2014 Annual Sub-Slab Depressurization System Operation, Maintenance, and Monitoring Report

Former Lockheed Martin
French Road Facility
Utica, New York



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Abbreviations

cfm	cubic feet per minute
DAR	Division of Air Resources
ft	Feet
HOA	hand-off-auto
HP	Horsepower
HX	heat exchanger
HVAC	heating, ventilation and air conditioning
ICM	interim corrective measure
in. W.C.	inches of water column
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O&M	operations and maintenance
OM&M	operation, maintenance, and monitoring
ORR	Operational Readiness Review
PCE	Tetrachloroethylene
PLC	programmable logic controller
PVC	polyvinyl chloride
ROVI	radius of vacuum influence
SDS	Sub-Slab Depressurization Sump
SSDS	Sub-Slab Depressurization System
TCE	Trichloroethene
USEPA	United States Environmental Protection Agency
UPS	uninterruptable power supply
VPGAC	Vapor-phase granular activated carbon
VMP	vacuum monitoring point
VOCs	volatile organic compounds
W.C.	water column

1.0 INTRODUCTION

Stantec Consulting Services Inc. (Stantec)* has prepared this Sub-Slab Depressurization System Operation, Maintenance, and Monitoring Report (OM&M Annual Report) to meet requirements specified in the Operation, Maintenance, and Monitoring Plan, Sub-Slab Depressurization System (OM&M Plan) (Stantec 2014) for the Former Lockheed Martin French Road Facility (Site) at 525 French Road, Utica, New York. A Site location map is presented as Figure 1, and the Site Plan and System Layout are shown on Figure 2.

As outlined in the OM&M Plan, this OM&M Annual Report documents the following: continuous operation of the sub-slab depressurization system (SSDS); monitoring of differential pressures; quarterly influent and effluent sampling, and system leak testing. This report summarizes the SSDS OM&M activities performed from January through December 2014.

*Note: At the beginning of 2014, Lockheed Martin retained Stantec to serve as Performing Contractor for the remedial program at the Utica site. The former contractor was Arcadis. Portions of this report are based on the *2013 Annual Sub-Slab Depressurization System Operation, Maintenance, and Monitoring Report* (February 2014) prepared by Arcadis.

2.0 SUB-SLAB DEPRESSURIZATION SYSTEM

The SSDS was initially installed in November 2007 and was operated as a pilot test to evaluate the system's effectiveness in addressing sub-slab concentrations of chlorinated volatile organic compounds (VOCs) requiring mitigation per the New York State Department of Health (NYSDOH) *Soil-Vapor-Intrusion Guidance* at the Site.

The initial pilot system extracted soil vapor from two sub-slab depressurization sumps (SDSs); SDS-1 and SDS-2. Based on the pilot-test results and supplemental indoor-air/sub-slab analytical results (*Revised Work Plan for the Interim Corrective Measure,* Arcadis 2008), the pilot-test system was expanded as part of an interim corrective action (ICM) plan to include an additional SDS location (SDS-3), a variable-frequency motor drive, and a programmable-logic controller (PLC) equipped with a cellular modem. Following the SSDS startup-shakedown period, the SSDS began continuous operation in July 2008. The ICM SSDS operated from July 2008 through November 2010.

As presented in the *Sub-Slab Depressurization System 100% Design Work Plan* (Arcadis 2010), OM&M activities during 2009 indicated that the ICM SSDS was not meeting operational goals (specifically in the area north of SDS-1 and west of SDS-3), thereby requiring system expansion and modification. In September 2010, SSDS upgrade activities (which included the installation of four additional depressurization sumps [SDS-4 through SDS-7] and upgrades to other major components of the system) were initiated. The purpose of these upgrades was to expand the capture area of sub-slab vapor from areas of the main building not currently being mitigated by the system. System upgrades continued into February 2011, at which point the expanded system began full-scale operation. A detailed description of the upgraded system was documented in the revised *Sub-Slab Depressurization System Operational, Maintenance, and Monitoring Plan* (Stantec 2014).

As presented in the *Work Plan for SSDS Pilot Test in Area of VMP-7A Solvent Dock Area* (Arcadis 2013), a pilot test was conducted to address the vacuum performance of the existing SSDS in the vicinity of vapor monitoring point (VMP) VMP-7A (*note: for purposes of this report, vacuum and differential pressure are reported as inches of water column [in. W. C.] and expressed as a positive value*).

The objective of the SSDS pilot test was to identify an SDS location(s) that would induce a vacuum greater than 0.004 in. W.C. in the sub-slab soil environment, at a sufficient radius to capture the area of VMP-7A and consistent with the design parameters (as presented within the *Sub-Slab Depressurization System 100% Design Work Plan* (Arcadis 2010). This was accomplished by the installation of SDS-8. The pilot test results indicated that operation of SDS-8 created a sub-slab vacuum at VMP-7A well in excess of the target performance criteria of 0.004 in. W.C. of vacuum. As a result, permanent piping and infrastructure incorporating SDS-8 into the full-scale SSDS was installed with approval from NYSDEC. SDS-8 was permanently brought online on October 23, 2013.

2.1 MAJOR SYSTEM COMPONENTS

Major components of the system are as follows:

- Eight SDSs (SDS-1 through SDS-8) are used to maintain a vacuum within selected Site areas. Each SDS was installed to a depth of two feet below the top of the concrete slab and was constructed of three-inch diameter polyvinyl chloride (PVC) well casing with 1.5 feet (ft) of 10-slot PVC well-screen. The well casing and screen were inserted into the borehole, the annular space between the well screen and the borehole was backfilled with a ⅜-inch diameter washed pea-stone filter pack to the bottom of the concrete slab, and the concrete slab was re-sealed with non-shrinking grout to the top of the slab to restore the facility floor.
- Three-inch diameter schedule-40 PVC conveyance pipe from the SDSs to the SSDS treatment equipment in the former pH Neutralization Building.
- One moisture separator (air/water separator [AWS-200]) for condensate collection.
- One inline-air filter to protect the blower from particulates (F-201).
- A single 15-horsepower regenerative blower (B-200).
- A 2-HP heat exchanger (HX-300) rated for 615 scfm.
- Two vapor-phase granular activated carbon (VPGAC) vessels (VPGAC-300 and VPGAC-301) operated in series to remove VOCs prior to SSDS discharge to the atmosphere. Each carbon vessel contains 1000 pounds (lbs) of granular activated carbon (Siemens VOCARB 36C).

Specific system details, including equipment specifications and model numbers can be found in the *Sub-Slab Depressurization System Operational, Maintenance, and Monitoring Plan* (Arcadis 2011). During SSDS operation, soil vapor is extracted from each SDS to create a vacuum under the floor slab. Refer to Figure 2 for extraction point locations. The applied vacuum extracts soil vapor from beneath the slab at each SDS and directs the soil vapor through individual, aboveground extraction pipelines to a common manifold, and conveys this vapor to the SSDS process equipment in the former pH Neutralization Building (Figure 2). The soil vapor is directed through a moisture separator to remove water vapor, through an inline air filter to remove particulates, by means of the regenerative blower, then to a heat exchanger and finally through VPGAC vessels for VOC removal including targeted VOCs (1,1-Dichloroethene, cis-1,2-Dichloroethene, Tetrachloroethylene, trans-1,2-Dichloroethene, Trichloroethene, and Vinyl Chloride) before SSDS discharge to the atmosphere. The vacuum under the floor slab mitigates the potential for soil vapor to enter the indoor air. Refer to Appendix A, Drawing M-1 and M-2, for the process flow descriptions and the piping and instrumentation diagram, respectively.

3.0 REMEDIAL OPERATIONAL OBJECTIVES

The SSDS operational goal is to reduce the potential for sub-slab soil vapor to intrude into the indoor air of the manufacturing building. The system operational objectives are as follows:

- Demonstrate a sufficient radius of vacuum influence in the sub-slab soil vapor environment beneath the building floor slab. The system achieves this by maintaining a vacuum beneath the building floor slab, creating a downward gradient (i.e., differential pressure) that will prevent migration of soil vapor into the manufacturing building. The Site-specific goal is defined as a constant vacuum in the sub-slab, regardless of heating, ventilation, and air conditioning (HVAC) conditions, maintained at greater than 0.004 in. W.C..
- Maintain and operate the system continuously without significant downtime.
- Demonstrate that the mass concentrations of constituents in the system exhaust remain below the NYSDEC Division of Air Resources (DAR) -1 guidance values before being discharged into the atmosphere.

The operational goals, as recommended in the 2013 OM&M Annual Report, were successfully achieved during the 2014 reporting period by performing the following activities:

- Monitoring the SSDS operation remotely on a daily basis to ensure continuous operation;
- Performing monthly physical system inspections to verify proper operation, and perform required maintenance;
- Performing quarterly system OM&M, which included the following:
    - Recorded SDS flowrates and vacuums, and differential pressure measurements at each VMP location.
    - Performed 24-hour continuous monitoring of differential pressure at select VMPs to verify that the SSDS is maintaining a continuous vacuum of 0.004 in. W.C. in the target areas.
    - Performed critical device testing to verify that the process control logic and instrumentation are functioning properly, and as designed.
    - Collected system effluent vapor samples during each quarter to monitor the effluent discharge concentrations of Site-related VOCs.

4.0 OPERATION AND MAINTENANCE ACTIVITIES

4.1 OPERATIONAL SUMMARY

The system was monitored via regular review of the daily system operational emails that are automatically generated and sent from the system PLC to system operators. System operational parameters are recorded during monthly Site inspections and quarterly system sampling events. Table 1 summarizes system monitoring data including: applied vacuums and extracted flow rates at each SDS, induced vacuum at each of the monitoring points (VMP-1A through VMP-8D), and the combined system effluent flow rate (FT-301). Figure 3 provides the average differential pressures measured at VMPs as part of the quarterly Site inspections. Refer to Appendix A, Drawing M-2, for sampling port and instrument locations.

The operation and maintenance (O&M) log sheets and Critical Device Testing logs sheets were updated in April 2014. Copies of the updated blank forms are included herein in Appendix B, along with completed field forms. An updated electronic copy of the *OM&M Plan* was distributed to the project team, and the hard copy kept onsite was also updated.

System runtime and down-time are summarized in Table 2. This report summarizes activities conducted during the calendar year, and system operational uptime is calculated for the calendar year. Note, however that operational data such as flow rates and mass removal are calculated using data from last readings obtained in December 2013 to the last readings obtained in December 2014.

The SSDS operated with an approximately 99% run time during the reporting period, with minor scheduled maintenance and/or operational interruptions due to system alarm conditions. The system was shut down several times for scheduled routine O&M activities throughout the reporting period, including various monthly, quarterly, and annual system inspections and/or testing. System shutdowns with durations less than three hours are not included in the system runtime calculation noted above.

In the event of an alarm condition, an alarm response log was prepared to document the alarm and any corrective actions and/or modifications made to the SSDS as a result. The section below summarizes the system alarms received during the reporting period.

4.2 NON-ROUTINE OPERATION AND MAINTENANCE ACTIVITIES

During the reporting period no non-routine system repairs were made.

- On February 21, 2014 a site visit was made to diagnose a drop in pressure (approximately 8 to 10 in. W.C.) observed in the PLC data for the pre-blower vacuum transmitter (VT-201). The system vacuum relief valve (VRV) was found to be leaking. The condition was corrected by manipulating the valve until it properly seated and remained closed. The valve functioned normally until the problem reoccurred on April 21. In response, the same action was taken to reseat the valve. VRV function remained normal throughout the remainder of 2014.

- On April 4, 2014 Stantec observed an accumulation of fibrous material on the floor along the north wall of the SSDS building in close proximity to the system. The material appeared to be potential bulk vermiculite insulation, which was historically a common insulating material often used for concrete block walls. The source of the material was uncertain but was suspected to have possibly been disturbed by rodents.

  Vermiculite is considered by the NYSDOH to be potentially asbestos-containing material (ACM) and should be treated and mitigated accordingly. ConMed arranged for the material to be removed by a licensed ACM contractor (Midlantic Environmental, Inc.). The work was performed primarily in April with followup work in July, 2014. Confirmatory air testing was performed in both cases to demonstrate sufficient removal and acceptable air quality. Stantec personnel did not enter the building until cleanup and confirmatory testing were complete. The block wall penetrations suspected to be the source of the material were sealed and no further occurrences have been noted.

4.3 ALARM CONDITIONS AND SYSTEM MODIFICATIONS

Several "fatal" alarm conditions occurred during the reporting period. Fatal alarm conditions are those which result in system shutdown. The cause of each system alarm and corresponding corrective action are summarized in Table 2. Alarm logs describing each alarm and response actions taken are included in Appendix C. Below is a summary of fatal system alarms during 2014 and system modifications (if any) that were made:

- February 3: Process 23 (high post-blower pressure). Site visit (Arcadis), drained condensate from VPGAC vessels and manifold. Restarted system – operation normal.
- March 1: Process 21 (Variable Frequency Drive [VFD] fault). Cause unknown, possibly related to ConMed electrical shutdown activities. System started remotely – operation normal.
- March 6: Process 23 (high post-blower pressure). Unable to connect remotely. Site visit; unplugged manifold drain fitting, drained ~8 gal. condensate; restarted system – operation normal.
- April 25, 27: Process 21 (VFD Fault). Cause unknown; PLC data indicates cause is coded as "Momentary Power Loss." Restarted system remotely each time – operation normal.
- May 1: Process 21 (VFD Fault). Cause unknown. Restarted system remotely – operation normal.
- June 16: Process 21 (VFD Fault). Cause unknown. Restarted system remotely – operation normal.
- June 21: Process 21 (VFD Fault). Cause unknown. Restarted system remotely – operation normal.

In response to the series of VFD faults apparently due to momentary power loss, adjustments will be made to the VFD settings to increase the Momentary Power Loss alarm tolerance. This alarm condition will continue to be tracked in 2015 for resolution.

Several non-fatal alarms or system communication deficiencies were observed during the reporting period. Alarm Logs generated for each of these alarm conditions or deficiencies are included in Appendix C. The following types of non-fatal alarms occurred:

- Process 14 (Air/Water Separator High Liquid Level);
- Lack of daily operational update email;
- Lack of daily operational update email attachments; and
- Process 27 (Low Air Flow Rate).

The lack of daily operational emails or missing daily operational email data attachments occurred several times in the first half of 2014. Stantec worked with EOS Research, the vendor/service provider for the PLC system during this time period in an attempt to resolve the problem. EOS made changes to the firmware used in operation of the PLC, but was not able to completely fix the problem. EOS contacted Verizon Communications who made additional changes to the communication system, including changing the IP address of the PLC. Although occasional missing attachments have been noted in the second half of 2014, the frequency of these occurrences has been significantly reduced, and overall communications with the PLC have remained relatively problem-free.

5.0 ANALYTICAL MONITORING ACTIVITIES

5.1 DAILY MONITORING

Daily remote monitoring of the system was performed during the reporting period. Monitoring included review of the daily system operational e-mails to confirm that the system was operational, that all system variables were within their allowable ranges, and that no alarm conditions were present.

5.2 MONTHLY MONITORING

The SSDS system was monitored monthly in 2014. Monitoring activities included inspection of critical system devices including the following:

- Air/Water separator, condensate collection points, and heat-trace outlet;
- Electrical and safety signage;
- SSDS vapor-exhaust vent screen;
- Process equipment valve locks; and
- Process piping including VPGAC connections.

Completed monthly O&M log sheets are attached in Appendix B.

5.3 QUARTERLY MONITORING

The Site was monitored quarterly during the reporting period. Note that the first quarter event, normally performed in January, was delayed until February to accommodate the transition from Arcadis to Stantec as Lockheed Martin's Performing Contractor for the project. Copies of completed quarterly O&M log sheets are attached in Appendix B. Monitoring activities included collection of the following data:

- Induced vacuum at each VMP location (Figure 3);
- Applied vacuum at the blower and each SDS location;
- Extracted-soil-gas flow rates at each SDS location and system effluent; and
- Barometric pressure and ambient temperature (obtained from local weather station). Note whether barometric pressure is rising or falling.

The results of the system inspections are documented on the O&M log sheets (Appendix B); key system parameters are summarized in Table 1. In addition to the data collection noted above, the following critical system devices were inspected quarterly:

- Air/Water separator, condensate collection points, and heat-trace outlet;
- Electrical and safety signage;
- SSDS vapor-exhaust vent screen;
- Process equipment valve locks; and

- Process piping including VPGAC connections.

Each of the critical system devices passed inspection during the reporting period.

5.3.1 Analytical Sampling

SSDS mid-VPGAC and vapor effluent samples were collected quarterly. Samples were collected with 1-liter batch-certified Summa® canisters with quick-grab regulators. All samples were analyzed by TestAmerica Laboratories of Burlington, Vermont per USEPA "Method TO-15" for VOCs.

SSDS influent vapor analytical results (collected from the individual sumps) are summarized in Tables 3 through 9. Combined influent, mid-VPGAC and effluent analytical results are summarized in Tables 10 and 11 respectively. Time-series plots of the analytical results for the primary COCs for each sump are provided in Figures 36 through 45. The laboratory analytical results for each sampling event are provided in Appendix D.

5.3.2 Checklist Items

In addition to the data collected above, the following critical system devices are inspected and/or tested quarterly:

- System electrical disconnect switch;
- System hand-off-auto switches;
- Control panel indicator lights;
- Battery-operated uninterruptible power-supply (UPS);
- Vacuum relief valve (VRV-200); and
- Inline filter (F-201).
- Vacuum transmitter VT-201 located on the vacuum side of the blower B-200;
- Flowmeter FT-301 located on the vacuum side of the blower B-200;
- Vacuum relief valve VRV-200 located on the vacuum side of the blower;
- High and High-High liquid-level switches LSH-201 and LSHH-201 located on air water separator AWS-200 tank;
- Pressure transmitter PT-201, located on the pressure side of the blower B-200;
- Temperature transmitter TT-201 and TT-301 located pre- and post- heat exchanger HX-300, respectively; and
- Wet Floor Sensor WFS-201 located below the VPGAC manifold.

Each of the critical system devices passed inspection during the reporting period. Copies of the Critical Device Testing forms are included with the OM&M Log Sheets in Appendix B.

5.3.3 Continuous Differential Pressure Monitoring

On February 5-6, April 2-3, July 9-10, and October 8-9, 2014, continuous monitoring of differential pressure at select VMPs was performed using continuous logging micromanometers (OMNIGUARD™ 4). Differential pressure was continuously monitored for a 24-hour period at each VMP location at least once during the reporting period. The micromanometer measures the differential pressure approximately every second and performs a rolling average of the past 15 measurements. Only the maximum and minimum differential pressure measurements over a five-minute period are recorded. Any differential pressures measured between the maximum or minimum values during each five-minute period are not recorded during normal operation.

The differential pressures measured during each of the events are presented on Figures 4 through 35. Not all VMPs are monitored during each event, however each VMP was monitored at least once during the reporting period, and some VMPs were tested more than once.

The majority of the VMP locations met or exceeded the minimum performance criteria for sub-slab vacuum (0.004 in. W.C.). Exceptions to this include:

- VMP-1A: Vacuum level at this point did not meet performance criteria during the Quarter 1 (February) event for approximately 80% of the time. This VMP was also monitored during all three remaining events in 2014 and criteria was successfully met essentially 100% of the time (approximately four readings were slightly above the performance threshold).
- VMP-6B: This VMP was measured during the Quarter 2 event only. The majority of the readings were well below the performance criteria, however a small number of points showed a drop in vacuum for a brief period near the end of the 24-hour test, and approximately seven readings were above the threshold.
- VMP-8D: This VMP was tested during the Quarter 4 event only, and did not achieve performance criteria throughout the entire 24-hour test. This vacuum monitoring point is scheduled for removal, inspection and replacement in 2015.

5.4 ANNUAL VAPOR INTRUSION MONITORING

An annual vapor intrusion study was performed in 2014 that included sub-slab soil-vapor and indoor-air samples collected to evaluate the effectiveness of the SSDS and monitor the current soil-vapor and indoor-air quality at the Site. This annual sampling was completed by a joint Arcadis/Stantec team on February 12-13, 2014; the results were summarized in the *Annual Vapor-Intrusion-Study Report for the Solvent Dock Area* (Stantec 2014), included herein as Appendix E).

Sampling included paired sub-slab soil gas and indoor air samples at 14 VMP locations, "split" samples of sub-slab soil gas at VMP-7B and indoor air at VMP-8D (the sub-slab sample at 8D was unsuccessful) and one ambient outdoor air location. The results determined that three locations (VMP-5A, VMP-6A, and VMP-7A) should be assigned a "Monitor" designation under the NYSDOH

VI guidance, due to concentrations of trichloroethene (TCE) in sub-slab soil gas; however at each location's paired indoor air sample, TCE was not detected above the reporting limit. In some cases this may have been due to higher-than-typical reporting limits for these samples that resulted from sample dilution for non-target compounds. This issue was addressed with the laboratory to avoid a similar situation from occurring in future events. At the remaining paired-sample locations, NYSDOH matrices indicate that (depending on the compound) either "No Further Action" is necessary or that "Actions to Identify Background Sources(s) and Reduce Exposures" should be implemented.

The quarterly performance data and annual VI study results indicate the SSDS is effective at maintaining a vacuum beneath the building slab and mitigating the potential migration of sub-slab soil gas to indoor air within the area of influence of the SSDS, with the exception of the area of VMP-8D. This VMP will be removed, inspected, and replaced in 2015 as necessary to facilitate obtaining further performance data in this area.

5.5 SSDS PIPING LEAK DETECTION TESTING

The SSDS piping was inspected and tested by Stantec for potential leaks on October 14-15, 2014. All solvent-welded and rubber-coupled joints were tested using an ULTRAPROBE 9000 audio detection instrument. No physical deficiencies were observed by the inspection, and no leaks were detected by the audio testing. Accordingly, no repairs or corrective measures are currently recommended for the system piping network. A copy of the *2014 Annual SSDS Piping Leak Detection Testing, Former Lockheed Martin French Road Facility Utica, NY* (Stantec November, 2014) is included in Appendix F.

In accordance with NYSDEC's approval of an 18-month testing interval, the next leak detection testing event will occur in April 2016.

6.0 SSDS PERFORMANCE RESULTS

The following subsections summarize the overall performance of the SSDS.

6.1 SSDS OPERATION

The SSDS operated continuously during the reporting period except for the brief down times noted above in section 4.3 and on Table 2. Overall runtime was approximately 99%.

Average instantaneous differential pressure readings for the vapor monitoring points 1A through 8D during the reporting period range from a vacuum of 0.005 in. W.C. to 7.251 in. W.C. Average vacuum readings for SDS-1 through SDS-8 range from 1.4 in. W.C. to 66.2 in. W.C. It should be noted that the SDS-2, SDS-3, and SDS-4 applied vacuums are lower by design due to their higher extracted soil vapor rates. The average combined influent flow rate for 2014 was approximately 101.2 standard cubic feet per minute (scfm).

The cumulative VOC mass removed by the SSDS was calculated based on the combined influent concentrations (Tables 3 through 10) and calculated flow rates (Table 1). Although the intended purpose of the system is to minimize vapor intrusion into indoor air, the system is also removing VOC mass from the sub-slab area. Cumulative VOC-mass removed from the sub-slab area is summarized in Table 13.

From the start of SSDS operations in July 2008 through December 2014, the system has removed 7.82 pounds of target VOCs (see Table 13). The percentage of target VOCs adsorbed by the VPGAC during the reporting period ranged from approximately 95.7% to 98.2%. The VOC concentrations emitted in the SSDS exhaust over the reporting period are below the allowable short-term guideline concentration (SGC) and annual guideline concentration (AGC) values in NYSDEC DAR-1 for all compounds. The individual VOCs emitted and their maximum allowable concentrations, as per NYSDEC DAR -1, are shown in Table 14.

6.2 ANALYTICAL RESULTS

Analytical data for sump samples and mid-carbon and system effluent samples are summarized in Tables 3 and 10. Figures 36 through 42 show plots of influent vapor VOC concentration versus time for TCE, tetrachloroethene (PCE), total dichloroethene (DCE; values represent combined concentrations of 1,1-DCE, cis-1,2-DCE, and trans-1-2, DCE) and vinyl chloride (VC) at each SDS location. Figures 44 and 45 depict VOC concentrations with time for the mid-carbon and effluent vapor samples. The following summarizes findings from these analyses:

Influent (Sump) Samples

- Sumps SDS-1 through SDS-5 have been in operation since 2008. In that time, sumps SDS-1, -3 and -4 appear to demonstrate stable VOC concentrations, while sumps SDS-2 and -5 appear to show decreasing trends.
- Sumps SDS-6 and -7 have been in operation since 2011. SDS-6 appears to show stable VOC levels, while SDS-7 indicates a decreasing trend through 2013, with stable levels in 2014.
- Sump SDS-8 has been operational since Quarter 4 of 2012 and has shown stable VOC concentrations since then.
- TCE is typically the VOC with the highest concentrations in the sump samples. Exceptions to this are sumps SDS-1 and -2, where PCE has shown the highest concentrations, and SDS-6 where PCE has shown sporadic "spikes" to levels above that of TCE.
- During the 2014 reporting period, the average influent total target VOC (1,1-dichloroethene, cis-1,2-dichloroethene, PCE, trans-1,2-dichloroethene, vinyl chloride and TCE) concentrations from each SDS location, calculated from Table 13, were as follows (concentrations in micrograms per cubic meter, or µg/m^3):
    - SDS-1 1,141.6
    - SDS-2 79.9
    - SDS-3 39.4
    - SDS-4 203.2
    - SDS-5 20.2
    - SDS-6 17.7
    - SDS-7 6.4
    - SDS-8 80.1

Mid-Carbon and Effluent Samples

The current carbon vessels have been in use since October 2009, when they replaced a smaller pair of vessels. The carbon media has not been changed since the vessels were installed. VOC concentrations in the mid-carbon samples (Figure 44) were variable through 2011, but show an apparently slowly increasing trend in total DCE concentrations since then. The carbon effluent samples results for TCE and PCE are variable and do not appear to indicate a trend. Total DCE results do however show an apparent rising trend since mid-2012.

These data indicate that carbon replacement may be warranted in 2015.

6.3 DIFFERENTIAL PRESSURE MONITORING RESULTS

As discussed in Section 4, measurement of differential pressure between the indoor-air and sub-slab environment were collected at each VMP and at each sump during the quarterly events. The differential pressures recorded at each VMP were used to monitor performance of

the system and its ability to maintain the desired vacuum in the soil vapor beneath the building floor slab. The differential pressures recorded are discussed in detail below.

Instantaneous differential pressures were recorded at each VMP with a handheld digital micromanometer; these data are summarized and shown on Table 1. The average instantaneous differential pressure values for each VMP are shown on Figure 3. Note that the differential pressure observed at each VMP location may reflect influence by more than one SDS location. The details of the 2014 monitoring results are discussed in the following sections.

6.3.1 Instantaneous Measurement

The area of vacuum influence measured during this reporting period is similar to the area of influence measured in 2013. The area of influence induced by Sumps 1 through 7 continues to include the eastern and northern Molding Facilities, CET Room in the north, and a main hallway and Warehouse Area J to the south and east. With the installation of SDS-8 at the end of 2013, the applied vacuum in the Warehouse Area J room was strengthened and the system's overall area of influence expanded to include the Molding Offices and a portion of the Molding Raw Material Storage Room to the south. Average readings from 2014 of VMP-8C and VMP-8D show that these points appear to be located at the southern extent of the area of vacuum influence generated by SDS-7 and SDS-8. Figure 3 depicts this data on a map of the system layout. Table 1A, shown below, summarizes the average instantaneous vacuum readings during the reporting period as well as the distance and direction of VMPs relative to associated sumps.

Table 1A SDS and VMP Location and Differential Pressure Data

Sump	Associated VMPs	Distance	Direction	2014 Avg. Vacuum (in. W.C.)
SDS-1	VMP-1A	17ft	E	0.016
	VMP-1B	33ft	W	0.347
	VMP-1C	33ft	S	0.106
SDS-2	VMP-2A	29ft	N	0.069
	VMP-2B	31ft	S	0.147
	VMP-2C	42ft	W	0.145
SDS-3	VMP-3B	26ft	S	0.008
	VMP-3C	17ft	N	0.021
	VMP-3D	49ft	SE	0.016
SDS-4	VMP-3E	24ft	NW	0.017
SDS-5	VMP-3A	29ft	NE	0.035
	VMP-5	26ft	SE	0.537
	VMP-5A	38ft	W	0.044
	VMP-5B	43ft	N	0.028
SDS-6	VMP-6	55ft	N	0.166
	VMP-6A	35ft	W	0.783
	VMP-6B	35ft	S	0.267
SDS-7	VMP-7	44ft	N	0.846
	VMP-7B	41ft	E	0.114
	VMP-8D	43ft	S	0.017
SDS-8	VMP-8A	15ft	N	2.413
	VMP-8B	19ft	S	7.251
	VMP-8C	76ft	SE	0.005

6.3.2 Continuous Data Logging

In addition to recording instantaneous differential pressures, and as discussed in Section 5.3.4 continuous data-logging micromanometers were used during quarterly events to monitor differential pressure over a 24-hour period. Every VMP was tested at least once and some were tested multiple times during the course of the year, in accordance with the recommendations of the 2013 OM&M Annual Report. This data was obtained to complement the instantaneous readings and to observe potential variations in sub-slab vacuum due to HVAC system operation, variation in barometric pressure, or other factors.

The 24-hour continuous data generally indicate that vacuum varies slightly over the course of a day at certain VMPs, as shown in several of the plots included in Figures 4 through 35. The data indicate that the SSDS performance may be slightly affected by HVAC, barometric pressure or other external influences at some locations.

The differential pressures recorded at each VMP, as described above, demonstrate that the SSDS is providing a sufficient vacuum in the sub-slab environment to mitigate the potential migration of sub-slab soil gas to indoor air, with the following exceptions:

- VMP-1A failed to meet the required vacuum criteria for most of the 24-hour test period in Quarter 1; however the results during Quarters 2 through 4 showed the required vacuum was successfully met during each of those tests. VMP-1A also met criteria in the three tests performed at this VMP in 2013 (with occasional brief exceedences). The 2014 Quarter 1 results may have been the result of faulty test equipment.
- VMP-8D did not meet the required vacuum criteria during the Quarter 4 event. The lack of proper vacuum at this VMP may be the result of plugged tubing in the VMP or an accumulation of water; accordingly this VMP is scheduled for further investigation and possible replacement in 2015. An assessment of sub-slab conditions at this location will be made at that time.

7.0 2015 GOALS AND RECOMMENDATIONS

The information presented in this report indicates that the SSDS has operated as designed. The exceptions were the Quarter 1 results at VMP-1A and the Quarter 4 measurement at VMP-8D. VMP-1A showed acceptable readings during subsequent quarterly measurements. VMP -8D will be further investigated in 2015. Continued operation, maintenance, and monitoring activities are planned to be implemented during 2015, and are described in the sections below.

7.1 GOALS

The SSDS 2015 remedial and operational goals remain unchanged from those noted in Section 3.0. The SSDS operation will continue to be monitored via the daily system data that are received by Stantec, along with monthly visual inspections, quarterly testing, and prompt response to alarms.

The operational data to be collected include:

- Review of the daily automated system operation status email logs to ensure continuous operation of the SSDS;
- Monthly system physical inspection to verify the operation of the system and to perform any minimal maintenance required to maintain proper operation (e.g., inspection of critical devices, draining of condensate, etc.);
- Quarterly system inspection information and required O&M and system performance monitoring data, including the recording of flows, pressures, temperatures, and differential pressure measurements at SDSs, VMPs, and the treatment equipment to verify the performance of the system;
- Vapor samples at each SDS, mid-carbon, and system effluent location will be collected during each quarter to monitor the mass removal of Site-related VOCs;
- Quarterly 24-hour continuous monitoring of differential pressure at eight select VMPs using continuous logging micromanometers to verify the system performance goal of maintaining a continuous vacuum of 0.004 in. W.C. in the areas of the Site noted above in Section 2;
- Quarterly critical device testing to verify that the control logic and instrumentation are functioning properly and as designed; and
- Continued demonstration that contaminant concentrations in the SSDS effluent vapor stream remain below the NYSDEC DAR 1 guidance values before being discharged to the atmosphere.

7.2 RECOMMENDATIONS

Our review and analysis of SSDS monitoring data for the 2014 reporting period indicates that the system is successful at mitigating sub-slab impacts noted as part of annual vapor-intrusion monitoring. Recommendations for the next reporting period (January–December 2015) include:

- Continue operation of the SSDS;
- Continue system performance and effluent sampling;
- Monitor VPGAC performance and determine if carbon replacement will be warranted in 2015;
- Continue preventive maintenance and failure-mode-effects analyses to improve system reliability;
- Repair/replace VMP-8D based on the insufficient differential pressure data at that location;
- Update the *OM&M Plan* as needed to include any system modifications; and
- Review results of the 2015 annual VI sampling event to determine if further annual vapor/air sampling is required per previous discussions with NYSDEC and NYSDOH.

8.0 REFERENCES

Stantec, 2014 *2014 Annual SSDS Piping Leak Detection Testing, Former Lockheed Martin French Road Facility Utica, NY*. November 2014.

Stantec, 2014. *Sub-Slab Depressurization System Operational, Maintenance, and Monitoring Plan, Former Lockheed Martin French Road Facility, Utica, New York*. May 2014.

Stantec, 2014 *2014 Annual Vapor Intrusion Study, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.* May 2014.

Arcadis, 2014. *2013 Annual Sub-Slab Depressurization System Operation, Maintenance, and Monitoring Report, Former Lockheed Martin French Road Facility Utica, New York.* February 2014.

Arcadis, 2014 *Summary Report for Startup of SDS-8 (in the Area of VMP-7A) Solvent Dock Area Former Lockheed Martin French Road Facility 525 French Road, Utica, New York.* January 2014.

Arcadis, 2013. *Summary Report for SSDS Pilot Test in Area of VMP-7A, Solvent Dock Area, Former Lockheed Martin French Road Facility, 525 French Road, Utica, New York.* July 2013.

Arcadis, 2013. *Annual Vapor Intrusion Study Report for the Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.* May 2013.

Arcadis, 2012. *Evaluation Report on SSDS Performance in Area of VMP-7A Former Lockheed Martin French Road Facility, Utica, New York*. November 2012.

Arcadis, 2012. *Annual Vapor-Intrusion-Study Report for the Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.* May 2012.

Arcadis, 2011. *Annual Vapor-Intrusion-Study Report for the Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.* April 2011.

Arcadis 2010. Sub-Slab Depressurization System 100% Design Work Plan, Former Lockheed Martin French Road Facility, Utica, New York. February 2010.

Arcadis 2008. *Revised Work Plan for the Interim Corrective Measure*. April 2008.

NYSDOH 2006. *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*. October 2006.

TABLES

Table 1. Sub-Slab Depressurization System Monitoring Data, Former Lockheed Martin French Road Facility, Utica, New York

Date	Pressure (In. W.C.)								Combined Influent Flow Rate (scfm)[1]	Differential Pressure at VMPs [In. W.C.]																							
	SDS-1	SDS-2[3]	SDS-3	SDS-4[3]	SDS-5	SDS-6	SDS-7	SDS-8		1A	1B	1C	2A	2B	2C	3A	3B	3C	3D	3E	4	5	5A	5B	6	6A	6B	7	7A	7B	8A	8B	8C	8D
07/17/08	-20.5	-19.8	-19.0	-	-	-	-	-	102	0.004	-0.080	-0.035	-1.281	-3.516	-3.046	0.005	-0.019	-0.011	-0.014	0.012	-	-	-	-	-	-	-	-	-	-	-	-	-
08/12/08	-28.0	-28.0	-26.0	-	-	-	-	-	55	0.018	-0.087	-0.014	-0.370	-1.028	-	0.020	-0.017	-0.007	-0.011	0.020	-	-	-	-	-	-	-	-	-	-	-	-	-
09/11/08	-28.0	-28.0	-26.0	-	-	-	-	-	78	0.015	-0.101	-0.021	-0.236	-0.657	-0.554	0.009	-0.035	-0.024	-	0.010	-	-	-	-	-	-	-	-	-	-	-	-	-
09/25/08	-25.5	-26.0	-23.8	-	-	-	-	-	76	0.000	-0.082	-0.031	-0.362	-0.974	-0.828	0.004	-0.040	-0.033	-0.040	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-
10/10/08	-21.0	-22.0	-18.0	-	-	-	-	-	81	-0.032	-0.011	-0.063	-0.317	-0.833	-0.711	-0.003	-0.058	-0.043	-0.052	-0.006	-	-	-	-	-	-	-	-	-	-	-	-	-
11/17/08	-22.3	-23.0	-19.7	-	-	-	-	-	86	0.000	-0.052	-0.033	-0.357	-0.662	-0.807	-0.003	-0.052	-0.034	-0.047	-0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
04/07/09	-18.0	-19.0	-15.5	-	-	-	-	-	91	0.000	-0.040	-0.025	-0.593	-1.317	-1.483	0.003	-0.044	-0.028	-0.041	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-
05/05/09	-18.0	-20.0	-16.0	-	-	-	-	-	91	0.000	0.000	-0.009	0.000	-0.034	-1.082	-0.030	-0.026	-0.042	0.012	-0.010	-	-	-	-	-	-	-	-	-	-	-	-	-
05/29/09	-16.0	-17.8	-17.0	-	-	-	-	-	91	-0.005	-0.233	-0.031	-0.642	-1.745	-1.613	0.000	-0.052	-0.039	-0.044	-0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
07/01/09	-18.7	-18.2	-14.0	-	-	-	-	-	90	0.008	-0.184	-0.014	-0.681	-1.856	-1.608	0.000	-0.048	-0.035	-0.032	0.006	-	-	-	-	-	-	-	-	-	-	-	-	-
08/14/09	-19.0	-18.0	-14.0	-	-	-	-	-	88	0.000	-0.189	-0.010	-0.755	-1.980	-1.305	0.000	-0.037	-0.040	-0.039	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-
09/30/09	-19.0	-13.0	-7.0	-	-	-	-	-	100	0.000	-0.198	-0.033	-0.739	-2.002	-1.147	-0.002	-0.038	-0.040	-0.043	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-
10/09/09	-19.0	-12.9	-7.3	-	-	-	-	-	99	-0.004	-0.217	-0.030	-0.708	-2.053	-1.758	-0.002	-0.036	-0.041	-0.050	-0.006	-	-	-	-	-	-	-	-	-	-	-	-	-
11/18/09	-18.0	-14.0	-6.5	-	-	-	-	-	98	0.000	-0.201	-0.029	-0.750	-2.034	-1.155	0.000	-0.037	-0.028	-0.035	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-
12/21/09	-17.5	-13.0	-6.5	-	-	-	-	-	97	0.000	-0.107	-0.026	-0.762	-2.085	-1.118	0.000	-0.036	-0.021	-0.031	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-
01/12/10	-17.8	-13	-7.0	-	-	-	-	-	93	0.000	-0.025	-0.038	-0.777	-2.110	-1.158	-0.004	-0.046	-0.030	-0.042	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-
02/03/10	-17.5	-13	-6.5	-	-	-	-	-	111	-0.011	-0.157	-0.027	-0.759	-1.566	-1.835	-0.003	-0.040	-0.023	-0.035	-0.008	-	-	-	-	-	-	-	-	-	-	-	-	-
03/03/10	-17.5	-13	-6.5	-	-	-	-	-	127	0.003	-0.136	-0.026	-0.752	-2.059	-1.794	0.003	-0.043	-0.026	-0.036	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-
04/07/10	-17.0	-18.0	-7.0	-	-	-	-	-	118	0.004	-0.224	-0.032	-0.755	-2.074	-1.809	-0.007	-0.047	-0.033	-0.042	-0.003	-	-	-	-	-	-	-	-	-	-	-	-	-
05/05/10	-17.0	-18.0	-7.0	-	-	-	-	-	82	-0.008	-0.180	-0.031	-0.760	-2.101	-1.845	-0.004	-0.043	-0.029	-0.041	-0.007	-	-	-	-	-	-	-	-	-	-	-	-	-
06/03/10	-17.0	-17.9	-6.8	-	-	-	-	-	81	-0.006	-0.162	-0.033	-0.748	-1.317	-1.807	-0.010	-0.037	-0.025	-0.042	-0.009	-	-	-	-	-	-	-	-	-	-	-	-	-
07/08/10	-17.0	-18.0	-15.0	-	-	-	-	-	86	-0.003	-0.164	-0.031	-0.736	-1.985	-1.766	-0.004	-0.039	-0.035	-0.041	-0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
08/05/10	-17.8	-18.0	-15.2	-	-	-	-	-	85	0.000	-0.156	-0.040	-0.765	-2.073	-1.825	0.000	-0.049	-0.034	-0.040	-0.004	-	-	-	-	-	-	-	-	-	-	-	-	-
09/07/10	-17.5	-18.0	-16.0	-	-	-	-	-	86	-0.004	-0.171	-0.045	-0.776	-2.098	-1.861	0.000	-0.044	-0.032	-0.041	-0.003	-	-	-	-	-	-	-	-	-	-	-	-	-
10/06/10	-18.5	-19.0	-16.0	-	-	-	-	-	87	0.018	-0.140	-0.048	-0.807	-2.117	-1.879	0.000	-0.048	-0.142	-0.041	-0.004	-	-	-	-	-	-	-	-	-	-	-	-	-
11/02/10	-20.0	-21.0	-19.0	-	-	-	-	-	90	0.006	-0.160	-0.052	-0.824	-2.156	-1.892	-0.003	-0.040	-0.115	-0.037	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-
12/30/10[2]	-52.0	-8.0	-14.0	-	-	-	-	-	58	0.000	-0.395	-0.111	-0.540	-1.500	-1.400	0.006	-0.012	-0.036	-0.008	0.012	-	-	-	-	-	-	-	-	-	-	-	-	-
01/05/11	-56.0	-1.4	-0.8	-1.0	-36.7	-54.1	-38.5	-	92	-0.003	-0.419	-0.114	-0.105	-0.261	-0.238	-0.083	-0.008	-0.018	-0.015	-0.011	-0.035	-0.127	-0.014	-0.003	-0.080	-0.009	-0.025	-0.020	0.000	-0.072	-	-	-
02/28/11	-67.8	-0.5	-1.9	-0.6	-55.5	-66.2	-66.2	-	64	-0.009	-0.490	-0.135	-0.049	-0.119	-0.110	-0.041	-0.013	-0.035	-0.018	-0.005	-0.012	-0.406	-0.041	-0.022	-0.190	0.000	-0.030	-0.028	0.000	-0.109	-	-	-
03/04/11	-68.2	-1.0	-0.6	-1.5	-58.0	-67.5	-67.0	-	82	-0.007	-0.525	-0.138	-0.091	-0.020	-0.180	-0.046	-0.012	-0.028	-0.014	-0.005	-0.037	-0.525	-0.041	-0.024	-0.200	-0.008	-0.049	-0.022	0.000	-0.118	-	-	-
04/04/11	-67.0	-1.0	-3.0	-1.0	-57.0	-67.0	-66.0	-	77	-0.015	-0.514	-0.139	-0.035	-0.094	-0.059	-0.047	-0.012	-0.032	-0.017	-0.013	-0.030	-0.133	-0.054	-0.033	-0.215	-0.045	0.055	-0.135	0.000	-0.098	-	-	-
05/12/11	-67.0	< -1.0	-3.0	< -1.0	-55.0	-65.0	-65.5	-	78	-0.022	-0.499	-0.136	-0.050	-0.118	-0.109	-0.050	-0.010	-0.030	-0.016	-0.009	-0.034	-0.211	-0.044	-0.031	-0.210	-0.006	-0.031	-0.018	0.000	-0.106	-	-	-
06/02/11	-70.0	< -1.0	-3.0	< -1.0	-57.0	-66.0	-70.0	-	83	-0.026	-0.520	-0.134	-0.055	-0.123	-0.100	-0.050	-0.011	-0.018	-0.018	-0.018	-0.049	-0.290	-0.041	-0.033	-	-0.025	-0.052	-0.043	0.000	-0.106	-	-	-
07/06/11	-66.0	< -1.0	-4.0	< -1.0	-56.0	-67.0	-65.0	-	128	-0.014	-0.450	-0.122	-0.090	-0.093	-0.080	-0.038	-0.014	-0.042	-0.019	-0.014	-0.028	-0.542	-0.045	-0.031	-0.229	-0.004	-0.036	-0.017	0.000	-0.009	-	-	-
08/11/11	-67.0	< -1.0	-3.0	< -1.0	-56.0	-65.0	-66.0	-	102	-0.024	-0.428	-0.148	-0.044	-0.093	-0.087	-0.052	-0.012	-0.038	-0.022	-0.018	-0.042	-0.602	-0.056	-0.032	-0.235	-0.023	-0.037	-0.022	0.000	-0.096	-	-	-
09/08/11	-72.0	-0.437	-1.35	-0.632	-55.0	-63.5	-63.5	-	78	-0.023	-0.550	-0.152	-0.047	-0.100	-0.094	-0.050	-0.011	-0.038	-0.020	-0.013	-0.037	-0.545	-0.046	-0.030	-0.230	-0.003	-0.027	-0.014	0.000	-0.101	-	-	-
10/12/11	-69.0	-0.430	-3.00	-0.590	-58.0	-68.0	-68.0	-	62	-0.010	-0.469	-0.147	-0.039	-0.097	-0.091	-0.060	-0.011	-0.033	-0.019	-0.018	-0.032	-0.412	-0.047	-0.032	-0.005	-0.011	-0.024	-0.017	0.000	-0.096	-	-	-
11/01/11	-71.0	-0.431	-1.33	-0.630	-61.0	-71.0	-71.0	-	76	-0.021	-0.539	-0.161	-0.023	-0.100	-0.061	-0.056	-0.016	-0.035	-0.020	-0.014	-0.038	-0.588	-0.480	-0.029	-0.230	-0.010	-0.026	-0.017	0.000	-0.109	-	-	-
12/01/11	-73.0	-0.282	-3.00	-0.599	-62.0	-72.0	-72.0	-	82	-0.019	-0.545	-0.160	-0.024	-0.048	-0.054	-0.067	-0.010	-0.028	-0.016	-0.012	-0.035	-0.641	-0.066	-0.041	-0.242	-0.021	-0.033	-0.019	-0.002	-0.112	-	-	-
01/11/12	-72.0	-0.554	-2.75	-0.587	-61.8	-70.0	-71.0	-	76	-0.017	-0.559	-0.158	-0.045	-0.094	-0.090	-0.060	-0.006	-0.015	-0.011	-0.008	-0.046	-0.624	-0.053	-0.031	-0.235	-0.029	-0.036	-0.028	-0.006	-0.118	-	-	-
02/09/12	-72.8	-0.797	-2.75	-0.594	-62.3	-72.0	-72.0	-	74	-0.018	-0.059	-0.160	-0.070	-0.150	-0.146	-0.065	-0.012	-0.023	-0.015	-0.009	-0.046	-0.432	-0.053	-0.029	-0.238	-0.016	-0.036	-0.025	-0.004	-0.124	-	-	-
03/01/12	-72.8	-0.870	-3.00	-0.624	-64.0	-72.3	-72.0	-	68	-0.008	-0.592	-0.160	-0.076	-0.173	-0.167	-0.062	-0.011	-0.025	-0.015	-0.008	-0.052	-0.628	-0.058	-0.031	-0.239	-0.020	-0.033	-0.026	-0.004	-0.123	-	-	-
04/03/12	-75.5	-0.828	-1.09	-0.625	-68.0	-72.5	-72.1	-	70	-0.034	-0.583	-0.165	-0.078	-0.167	-0.163	-0.063	-0.023	-0.023	-0.017	-0.011	-0.057	-0.633	-0.052	-0.035	-0.244	0.000	-0.024	-0.021	-0.004	-0.121	-	-	-
05/01/12	-74.0	-0.850	-3.00	-0.632	-64.0	-72.8	-72.3	-	66	-0.022	-0.559	-0.160	-0.074	-0.166	-0.156	-0.063	-0.012	-0.025	-0.017	-0.013	-0.055	-0.677	-0.054	-0.035	-0.249	-0.024	-0.043	-0.028	0.000	-0.119	-	-	-
06/07/12	-74.0	-0.830	-2.00	-0.633	-65.0	-74.0	-71.5	-	70	-0.020	-0.572	-0.156	-0.072	-0.163	-0.150	-0.063	-0.013	-0.030	-0.018	-0.012	-0.059	-0.689	-0.053	-0.360	-0.249	-0.005	-0.021	-0.030	-0.003	-0.112	-	-	-
07/11/12	-72.5	-0.850	-1.07	-0.640	-63.5	-71.9	-72.0	-	87	-0.030	-0.563	-0.164	-0.071	-0.160	-0.148	-0.061	-0.013	-0.033	-0.021	-0.018	-0.050	-0.700	-0.054	-0.040	-0.256	-0.004 to -0.009	-0.035	-0.020	0.000	-0.111	-	-	-
08/15/12	-75.0	-0.828	-2.00	-0.632	-64.0	-73.0	-72.5	-	72	-0.022	-0.578	-0.160	-0.079	-0.164	-0.155	-0.065	-0.018	-0.027	-0.019	-0.015	-0.057	-0.693	-0.056	-0.040	-0.252	-0.013	-0.028	-0.031	0.000	-0.109	-	-	-
09/11/12	-77.0	-0.821	-2.00	-0.633	-62.0	-75.3	-72.3	-	69	-0.024	-0.569	-0.162	-0.080	-0.160	-0.159	-0.070	-0.018	-0.029	-0.022	-0.013	-0.064	-0.701	-0.056	-0.035	-0.250	-0.020	-0.029	-0.032	0.000	-0.115	-	-	-
10/17/12	-74.8	-0.768	-1.25	-0.979	-64.7	-73.9	-74.1	-	74	-0.015	-0.561	-0.163	-0.068	-0.154	-0.141	-0.067	-0.009	-0.029	-0.021	-0.021	-0.044	-0.715	-0.062	-0.035	-0.255	-0.006	-0.033	-0.015	0.000	-0.118	-	-	-
11/08/12	-76.0	-0.825	-2.25	-0.642	-64.3	-74.3	-74.3	-	71	-0.020	-0.572	-0.161	-0.082	-0.160	-0.155	-0.063	-0.019	-0.028	-0.017	-0.021	-0.060	-0.716	-0.050	-0.029	-0.243	-0.014	-0.034	-0.039	0.000	-0.116	-	-	-
01/15/13	-76.8	-0.768	-1.03	-0.970	-65.2	-75.2	-75.5	-	91	-0.013	-0.532	-0.161	-0.070	-0.157	-0.142	-0.063	-0.009	-0.024	-0.018	-0.016	-0.041	-0.700	-0.045	-0.032	-0.227	0.000	-0.019	-0.016	0.000	-0.119	-	-	-
04/23/13	-76.1	-0.853	-1.04	-0.963	-66.2	-75.9	-75.2	-	67	0 to -0.008	-0.525	-0.150	-0.780	-0.175	-0.162	-0.063	-0.008	-0.025	-0.018	-0.017 to -0.022	-0.045	-0.710	-0.051	-0.031	-0.221	-0.007 to -0.009	-0.011	-0.021 to -0.024	0.000	-0.106	-	-	-
07/10/13	-73.0	-0.895	-2.50	-0.973	-64.0	-73.0	-72.0	-	73	-0.025	-0.435	-0.150	-0.085	-0.195	-0.184	-0.067	-0.012	-0.025	-0.023	-0.022	-0.048	-0.686	-0.055	-0.039	-0.210	-0.023	-0.036	-0.063	0.000	-0.130	-	-	-
10/21/13	-74.0	-0.888	-0.40	-0.995	-64.0	-73.0	-74.0	-62.0	101	-0.024 to -0.031	-0.500	-0.142	-0.081	-0.193	-0.179	-0.064	-0.012	-0.028	-0.023	-0.025	-0.033	-0.720	-0.052	-0.036	-0.206	-0.006 to -0.011	-0.032	-0.037	0.000	-0.134	-2.988	-13.9	-0.006	-0.326
2013 Average[4]:	**-75.0**	**-0.851**	**-1.24**	**-0.975**	**-64.9**	**-74.3**	**-74.2**	**-62.0**	**83**	**-0.017**	**-0.498**	**-0.151**	**-0.254**	**-0.180**	**-0.167**	**-0.064**	**-0.010**	**-0.026**	**-0.021**	**-0.021**	**-0.042**	**-0.704**	**-0.051**	**-0.035**	**-0.216**	**-0.010**	**-0.025**	**-0.035**	**0.000**	**-0.122**	**-2.988**	**-13.900**	**-0.006**	**-0.326**
02/05/14	-71.0	-1.2	-1.1	-1.0	-63.0	-70.0	-70.0	-66.0	88	0.005 to 0.015	-0.465	-0.130	-0.092	-0.190	-0.203	-0.058	-0.007	-0.022	-0.014	-0.015	-0.075	-0.608	-0.056	-0.027	-0.174	-0.977	-0.314	-1.080	-0.220	-0.141	-3.065	-10	-0.003 to 0.004	-0.515 to 0.700
04/02/14	-63.9	-1.0	-1.0	-1.0	-55.2	-61.4	-62.0	-61.0	119	-0.007	-0.441	-0.122	-0.085	-0.181	-0.171	-0.056	-0.009	-0.021	-0.015	-0.013	0.009	-0.669	-0.055	-0.031	-0.205	-0.967	-0.326	-1.042	-15	-0.140	-2.992	-8.25	-0.004 to 0	-0.029 to -0.013
07/09/14	-63.0	-1.0	-2.0	-1.1	-55.0	-62.0	-63.0	-60.0	103	-0.019	-0.427	-0.130	-0.083	-0.182	-0.174	-0.053	-0.010	-0.029	-0.021	-0.022	-0.052	-0.692	-0.053	-0.036	-0.217	-0.912	-0.311	-0.952	-15.000	-0.135	-2.830	-13.000	-0.006	-0.017
10/08/14	-67.0	-3.0	-3.0	-2.5	-58.0	-65.0	-68.0	-65.5	95	-0.034	-0.397	-0.146	-0.082	-0.176	-0.173	-0.004	-0.012	-0.029	-0.025	-0.029	-0.070	-0.711	-0.054	-0.042	-0.229	-1.054	-0.382	-1.154	-5.000	-0.152	-3.176	-5.000	-0.006	-0.029
2014 Average:	**-66.2**	**-1.5**	**-1.8**	**-1.4**	**-57.8**	**-64.6**	**-65.8**	**-63.1**	**101.2**	**-0.016**	**-0.347**	**-0.106**	**-0.069**	**-0.147**	**-0.145**	**-0.035**	**-0.008**	**-0.021**	**-0.016**	**-0.017**	**-0.038**	**-0.537**	**-0.044**	**-0.028**	**-0.166**	**-0.783**	**-0.267**	**-0.846**	**-7.045**	**-0.114**	**-2.413**	**-7.251**	**-0.005**	**-0.017**

Notes:
1. Cumulative influent flow rates shown after and including 12/30/10 obtained using manual anemometer. Prior to 12/30/10, combined influent flow rate value obtained from flow transmitter FT-201.
2. New blower installed as part of system upgrades in operation.
3. Vacuum at SDS-2 and SDS-4 wellheads from 5/12/11 through 8/11/11 were recorded as zero due to the scaled range of the field mounted vacuum gauges. Subsequent vacuum readings at those SDS locations have been recorded with a micromanometer.
4. For instances in which a differential pressure range has been provided for a VMP on a specific date, the middle of the range has been used for average calculations.
These values have not been included in the calculation of the average sub-slab vacuums.

Definitions:
ft - feet
In. W.C. - Inches of Water Column
scfm - standard cubic feet per minute
VMP - Vacuum Monitoring Point

Table 2. Sub-Slab Depressurization System Operation Summary, Former Lockheed Martin French Road Facility, Utica, New York

Date	Date/Time			Process	Description	Suspected Cause of Alarm	Corrective Action
	Shutdown	Online	Off (days)				
November 2007	Pilot test conducted						
7/19/2008	System brought online following ICM upgrades and startup/shakedown period						
8/11/2008	8/11/08 6:18	8/11/08 14:50	0.4	05	VFD run fault	Power outage/Voltage spike	Restart system
10/11/2008	10/11/08 6:42	10/13/08 9:16	2.1	05	VFD run fault	Power outage/Voltage spike	Restart system
2008 % Run Time Summary		**Days Offline**	**Days Online**	**% Run Time**			
		2.5	162.5	99%			
1/10/2009	1/10/09 23:09	1/13/09 18:48	2.8	06	AWS-HH	Build up of condensate	Thaw out frozen tank and install heat trace/insulating jacket on AWS tank.
2/2/2009	2/1/09 0:00	2/2/09 15:30	1.6	NA	Power outage	Power outage/ Faulty battery backup	Restart system
3/9/2009	3/8/09 11:03	3/9/09 11:03	1.0	05	VFD run fault	Power outage/Voltage spike	Inspect and restart system
7/7/2009	7/7/09 7:21	7/8/09 11:00	1.2	05	VFD run fault	ConMed temporarily shuts down power	Restart system
7/17/2009	7/17/09 10:57	7/17/09 13:00	0.1	05	VFD run fault	Power outage/Voltage spike	Inspect and restart system
7/31/2009	7/31/09 10:00	8/3/09 14:30	3.2	05	VFD run fault	Power outage/Voltage spike	Inspect and restart system
11/14/2009	11/14/09 18:55	11/16/09 8:00	1.5	05	VFD run fault	Power outage/Voltage spike	Inspect and restart system
2009 % Run Time Summary		**Days Offline**	**Days Online**	**% Run Time**			
		11.4	352.6	97%			
3/22/2010	3/22/10 11:16	3/22/10 18:26	0.3	05	VFD run fault	Power outage/Voltage spike	Inspect and restart system
6/8/2010	6/8/10 8:22	6/8/10 15:21	0.3	05	VFD run fault	Power outage/Voltage spike	Inspect and restart system
11/11/2010[(1)]	11/11/10 10:00	12/31/10 23:59	9.0	05	LOTO	System was shutdown periodically from 11/11 through 12/31 in order to implement remedial enhancements	Restart system daily
2010 % Run Time Summary[(1)]		**Days Offline**	**Days Online**	**% Run Time**			
		9.6	355.4	97%			
1/27/2011[(1)]	1/27/11 19:53	1/28/11 9:13	0.6	13	HX fault	Local HOA switch intentionally turned into off position. PLC still attempting to turn on HX.	Temperature setpoints controlling HX on/off operation temporarily adjusted so that PLC will not attempt to turn on HX. Restart system.
2/22/2011	2/22/11 9:52	2/22/11 16:15	0.3	NA	Manual shutdown	System temporarily shutdown to allow for supplemental lighting installation.	Restart system.
2/28/2011	2/28/11 12:08	2/28/11 21:12	0.4	NA	Manual shutdown	System temporarily shutdown to allow for VPGAC manifold repairs.	Restart system.
3/2/2011	3/2/11 12:40	3/2/11 18:01	0.2	NA	Manual shutdown	System temporarily shutdown to allow for electrical/programming maintenance.	Restart system.
3/30/2011	3/30/11 12:52	3/30/11 20:28	0.3	NA	Manual shutdown	System temporarily shutdown to allow for electrical labeling.	Restart system.
3/31/2011	3/31/11 8:05	3/31/11 13:33	0.2	NA	Manual shutdown	System temporarily shutdown to allow for electrical labeling.	Restart system.
4/11/2011	4/11/11 17:51	4/12/11 9:08	0.6	10	High TT-201	Post-blower temperature exceeding initial high temperature alarm setpoint.	Adjust high temperature setpoint from 180 °F to 200 °F.
4/24/2011	4/24/11 22:10	4/25/11 17:31	0.8	27	Low Flow	Potential drifting associated with transmitter calibration.	Continue to monitor and re-calibrate during next O&M visit if needed.
5/29/2011	5/29/11 15:13	6/1/11 20:34	3.2	10	High TT-201	Post-blower temperature exceeding initial high temperature alarm setpoint.	Adjust high temperature setpoint from 180 °F to 210 °F.
6/10/2011	6/10/11 23:31	6/13/11 16:18	2.7	NA	Power outage	Power outage/Voltage spike	Inspect and restart system. Upon inspection, replacement of a blown fuse conducted.
7/9/2011	7/9/11 7:01	7/11/11 11:08	2.2	28	Power outage	Power outage/Voltage spike	Restart system.
9/7/2011	9/7/11 1:14	9/7/11 10:14	0.4	27	Low Flow	Potential drifting associated with transmitter calibration.	Inspect flow transmitter on 9/8/11.
9/7/2011	9/7/11 16:56	9/8/11 10:31	0.7	27	Low Flow	Potential drifting associated with transmitter calibration.	Inspect flow transmitter on 9/8/11.
9/14/2011	9/14/11 7:44	9/14/11 14:18	0.3	NA	Manual shutdown	System temporarily shutdown to allow for heat exchanger bypass piping modification.	Operate ICM system while main system offline.
9/16/2011	9/16/11 7:07	9/16/11 12:06	0.2	NA	Manual shutdown	System temporarily shutdown to allow for heat exchanger bypass piping modification.	Operate ICM system while main system offline.
12/14/2011	12/14/11 4:23	12/14/11 12:24	0.3	27	Low Flow	Potential drifting associated with transmitter calibration.	Monitor system and flowrate remotely.

Table 2. Sub-Slab Depressurization System Operation Summary, Former Lockheed Martin French Road Facility, Utica, New York

Date	Date/Time			Process	Description	Suspected Cause of Alarm	Corrective Action
	Shutdown	Online	Off (days)				
12/19/2011	12/19/11 12:56	12/19/11 16:30	0.1	27	Low Flow	Potential drifting associated with transmitter calibration.	Monitor system and flowrate remotely.
12/19/2011	12/19/11 17:58	12/19/11 22:00	0.2	27	Low Flow	Potential drifting associated with transmitter calibration.	Monitor system and flowrate remotely. Modify alarm time delay and low set point.
12/23/2011	12/23/11 6:11	12/23/11 10:10	0.2	27	Low Flow	Potential drifting associated with transmitter calibration.	Monitor system and flowrate remotely. Modify alarm time delay and low set point.
12/24/2011	12/24/11 0:34	12/24/11 8:20	0.3	27	Low Flow	Potential drifting associated with transmitter calibration.	Reduce low flow alarm set point.
2011 % Run Time Summary[(1)(2)]		**Days Offline**	**Days Online**	**% Run Time**			
		14.2	350.8	96%			
1/14/2012	1/14/12 0:52	1/14/12 8:37	0.3	27	Low Flow	Potential drifting associated with cold weather pattern.	Restart system
1/19/2012	1/19/12 1:05	1/19/12 7:47	0.3	27	Low Flow	Potential drifting associated with cold weather pattern.	Restart system
2/13/2012	2/13/12 0:38	2/13/12 10:30	0.4	27	Low Flow	Suspect flow transmitter may have had some moisture on it, resulting in a false low air flow rate.	Restart system
2/15/2012	2/15/12 18:48	2/15/12 19:35	0.0	16	High Vacuum	Suspect that the flow transmitters 4-20mA signal may have temporarily drifted.	Log into the system remotely and downloaded the datalogger files to confirm possible causes of alarm. Datalogger file indicated that the vacuum readings were steady at around -71 in.W.C. prior to alarm. System was restarted.
3/1/2012	3/1/12 5:31	3/1/12 11:42	0.3	27	Low Flow	Potential drifting associated with cold weather pattern.	Restart system. Performed a field calibration to fix noted drifting.
3/7/2012	3/7/12 10:30	3/7/12 17:49	0.3	NA	System temporarily taken offline to complete the arc flash study field reconnaissance	NA	NA
4/20/2012	4/20/12 15:17	4/20/12 15:30	0.0	NA	System temporarily taken offline to complete the arc flash study field reconnaissance	NA	NA
4/23/2012	4/23/12 12:45	4/23/12 16:46	0.2	NA	Chris Davern onsite to modify the SSDS cfg file and test UPS battery.	The SSDS cfg file was modified so that the High for TT-201 is the fatal alarm as opposed to what it was previously, the High-High. UPS battery tested successfully and lasted approximately 60 minutes.	
6/21/2012	6/21/12 19:15	6/22/12 11:00	0.7	10	High TT-201	Post-blower/Pre-HX temperature exceeded high temperature alarm setpoint (225 F). Ambient temperatures exceeded 90's F.	Restart the system following inspection and passing of seasonal high ambient temperatures.
7/4/2012	7/4/12 17:58	7/5/12 11:00	0.7	10	High TT-201	Post-blower/Pre-HX temperature exceeded high temperature alarm setpoint (225 F). Ambient temperatures exceeded 90's F.	Restart system following inspection.

Table 2. Sub-Slab Depressurization System Operation Summary, Former Lockheed Martin French Road Facility, Utica, New York

Date	Date/Time			Process	Description	Suspected Cause of Alarm	Corrective Action
	Shutdown	Online	Off (days)				
7/14/2012	7/14/12 17:41	7/16/12 12:26	1.8	10	High TT-201	Post-blower/Pre-HX temperature exceeded high temperature alarm setpoint (225 F). Ambient temperatures exceeded 90's F.	Restart system. Confirmed accuracy of post-blower temperature transmitter TT-201 and post-blower temperature gauge TI-201. Conducted several tests consisting of varying blower speed and adjusting fresh-air dilution valve to observe impact on temperature rise through blower.
8/4/2012	8/4/12 16:17	8/6/12 9:19	1.7	10	High TT-201	Vapor stream post-blower exceeded the high set point if 225 F due to increased summer ambient temperatures.	Restart system remotely at 9:19 on 8/6/12. Continue to monitor post-blower temperatures during forecasted higher ambient temperature conditions.
9/13/2012	9/13/12 19:02	9/14/12 9:30	0.6	16	High Vacuum, VT-201	Suspect that the vacuum transmitter's 4-20mA signal may have temporarily drifted.	Log into the system remotely and downloaded the datalogger files to confirm possible causes of alarm. Datalogger file indicated that the vacuum readings were steady at around -73 in.W.C. prior to alarm. System was restarted. The high vacuum alarm set point was changed from -80 to -85 in.W.C.
2012 % Run Time Summary (through December 31)		**Days Offline**	**Days Online**	**% Run Time**			
		7.2	358.8	98%			
4/21/2013	4/21/13 16:02	4/22/13 8:45	0.7	16	High Vacuum, VT-201	Suspect that the vacuum transmitter's 4-20mA signal may have temporarily drifted.	Log into the system remotely and downloaded the datalogger files to confirm possible causes of alarm. Datalogger file indicated that the vacuum readings were steady at around -73 in.W.C. prior to alarm. System was restarted. The high vacuum alarm set point was changed from -80 to -85 in.W.C.
9/4/2013	9/4/13 7:05	9/5/13 8:46	1.1	24	Low Pressure, PT-201	Suspect that the pressure transmitter's 4-20mA signal may have temporarily drifted.	Log into the system remotely and downloaded the datalogger files to confirm possible causes of alarm. Datalogger file indicated that the pressure readings were steady at around 1.5-1.8 in.W.C. prior to alarm. System was restarted and monitored for operation.
10/27/2013	10/27/13 22:21	10/28/13 8:56	0.4	24	Low Pressure, PT-201	Suspect that the pressure transmitter's 4-20mA signal may have temporarily drifted.	Log into the system remotely and downloaded the datalogger files to confirm possible causes of alarm. Datalogger file indicated that the pressure readings were steady at around 3.8-4.1 in.W.C. prior to alarm. The alarm time delay was increased from 15 sec to 120 sec. System was restarted and monitored for operation.
11/6/2013	11/6/13 8:21	11/7/13 5:30	0.9	16	High Vacuum, VT-201	Suspect that the flow transmitters 4-20mA signal may have temporarily drifted.	The alarm time delay was increased from 2 seconds to 2 minutes. System was restarted and monitored for operation.
12/20/2013	12/19/13 4:15	12/19/13 18:52	0.6	21	VFD Fault	Suspect Temporary Power Failure	Based on correspondence with the facility operator (ConMed) they had some electrical issues with their parking lot lighting. As a result the SSDS building may have temporarily lost power. System was restarted and monitored for operation.
2013 % Run Time Summary (through December 31)		**Days Offline**	**Days Online**	**% Run Time**			
		3.7	361.3	99%			
1/9/2014	1/9/14 15:11	1/9/14 21:00	0.2	13	Heat Exchanger Motor Fault	As a result of the recent snow storm which occurred during this period snow/ice may have built up on the fan blades and thus frozen and thereby causing enough resistance to the fan motor to initiate the failed start condition detected by the PLC input.	Inspect HX physical HOA and locally mounted disconnect switches. The HOA was confirmed to be in the "Auto" position and the local disconnect was also confirmed to be in the "On" position. Verify that the overload relay did not trip. System was restarted and monitored for operation.

Table 2. Sub-Slab Depressurization System Operation Summary, Former Lockheed Martin French Road Facility, Utica, New York

Date	Date/Time			Process	Description	Suspected Cause of Alarm	Corrective Action
	Shutdown	Online	Off (days)				
1/14/2014	1/14/14 6:57	1/14/14 7:49	0.0	24	Low Pressure, PT-201	Suspect that the pressure transmitter's 4-20mA signal may have temporarily drifted.	Log into the system remotely and downloaded the datalogger files to confirm possible causes of alarm. Datalogger file indicated that the pressure readings were steady at around 1.5-1.8 in.W.C. prior to alarm. The alarm time dealy was increased from 2 to 5 minutes. System was restarted and monitored for operation.
2/3/2014	2/3/14 21:51	2/4/14 10:05	0.5	23	High Pressure, PT-201	Condensate buildup in the carbon bed manifold piping lead to airflow constriction.	Site visit was performed to drain carbon manifold piping. System was restarted and monitored for operation.
2/4/2014	2/4/14 10:06	2/4/14 10:56	0.0	23	High Pressure, PT-201	Condensate in carbon manifold piping had not been drained sufficiently to allow airflow to continue at normal operating conditions.	Carbon manifold piping was drained. System was restarted and monitored for operation.
2/7/2014	2/7/14 12:07	2/7/14 12:58	0.0	21	VFD Fault	System was shut down due to critical system testing. Test of VFD fault alarm caused the system to shut down.	NA
3/1/2014	3/1/14 21:24	3/1/14 23:15	0.1	21	VFD Fault	System was shut down due to apparent electrical surge/outing at the ConMed facility.	System was restarted in Auto remotely.
3/4/2014	3/4/14 14:00	3/4/14 14:30	0.0	NA	OM&M Activities	OM&M Activities	NA
3/6/2014	3/6/14 14:40	3/6/14 19:20	0.2	23	High Pressure, PT-201	Condensate in carbon manifold piping had not been drained sufficiently to allow airflow to continue at normal operating conditions.	Carbon manifold piping was drained. System was restarted and monitored for operation.
1st Quarter (2014) % Run Time Summary		**Days Offline**	**Days Online**	**% Run Time**			
		1.0	89.0	99%			
4/27/2014	4/27/14 0:04	4/27/14 10:00	0.4	21	VFD Fault	Cause of shutdown currently unknown and currently being investigated.	System was restarted in Auto remotely.
5/1/2014	5/1/14 20:57	5/2/14 7:49	0.5	21	VFD Fault	Cause of shutdown currently unknown and currently being investigated.	System was restarted in Auto remotely.
6/16/2014	6/16/14 8:22	6/16/14 8:40	0.0	21	VFD Fault	Cause of shutdown currently unknown and currently being investigated.	System was restarted in Auto remotely.
6/21/2014	6/21/14 6:45	6/21/14 10:30	0.2	21	VFD Fault	Cause of shutdown currently unknown and currently being investigated.	System was restarted in Auto remotely.
6/28/2014	6/28/14 7:30	6/29/14 13:00	1.2	-	ConMed Shutdown	ConMed Scheduled Shutdown	System was off during ConMed Shutdown and restarted during a site visit on 6/29/2014.
2nd Quarter (2014) % Run Time Summary		**Days Offline**	**Days Online**	**% Run Time**			
		2.3	88.7	97%			

Table 2. Sub-Slab Depressurization System Operation Summary, Former Lockheed Martin French Road Facility, Utica, New York

Date	Date/Time			Process	Description	Suspected Cause of Alarm	Corrective Action
	Shutdown	Online	Off (days)				
7/1/2014	7/1/14 18:02	7/1/14 18:50	0.0	ACFAIL	No description of ACFAIL	Possibly caused by loss of AC power	System was restarted in Auto remotely.
7/1/2014	7/1/14 20:06	7/1/14 21:40	0.1	ACFAIL	No description of ACFAIL	Possibly caused by loss of AC power	System was restarted in Auto remotely.
8/18/2014	8/18/14 3:55	8/18/14 7:33	0.2	21	VFD Fault	Cause of shutdown currently unknown and currently being investigated.	System was restarted in Auto remotely.
9/3/2014	9/3/14 1:19	9/3/14 7:17	0.2	21	VFD Fault	VFD electrical connection was investigated and secured.	System was restarted in Auto from on site.
3rd Quarter (2014) % Run Time Summary		**Days Offline**	**Days Online**	**% Run Time**			
		0.5	91.5	99%			
11/4/2014	11/4/14 5:49	11/4/14 7:50	0.1	21	VFD Fault	Cause of shutdown currently unknown and currently being investigated. Plan to increase fault time delay.	System was restarted in Auto remotely.
4th Quarter (2014) % Run Time Summary		**Days Offline**	**Days Online**	**% Run Time**			
		0.1	91.9	99.9%			
2014 % Run Time Summary (through December 31)		**Days Offline**	**Days Online**	**% Run Time**			
		3.9	361.1	99%			

Notes:

* Table does not include brief (less than 3 hours [0.1 days]) system shutdowns for routine operation and maintenance activities.

1. From 11/11/10 through 12/31/10, the system was typically offline for approximately 8 hours per work day (approximately 27 work days in that period).
2. Days offline during the Third Quarter 2011 do not include manual shutdowns on 9/14/11 and 9/16/11 as the ICM system was operated during that time.

Table 3. SDS-1 Air Sample Analytical Results, Former Lockheed Martin French Road Facility, Utica, New York

| Sample Location | SDS-1 | | |

Table 4. SDS-2 Air Sample Analytical Results, Former Lockheed Martin French Road Facility, Utica, New York

| Sample Location | SDS-2 | | |

Table 5. SDS-3 Air Sample Analytical Results, Former Lockheed Martin French Road Facility, Utica, New York

| Sample Location | SDS-3 | | |

Table 6. SDS-4 Air Sample Analytical Results, Former Lockheed Martin French Road Facility, Utica, New York

Sample Location	SDS-4																			
Date	1/7/2011	3/8/2011	4/4/2011	7/6/2011	10/22/2011	1/11/2012	4/3/2012	7/11/2012	10/17/2012	1/15/2013	4/23/2013	7/11/2013	10/23/2013	2/7/2014	4/4/2014	7/10/2014	10/9/2014
Volatile Organic Compounds[1]	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q
1,1,1-Trichloroethane	< 0.83	< 0.83	**0.94**	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 2.2	< 1.10	< 1.10	< 1.10	< 1.10	< 2.70	< 2.20
1,1,2,2-Tetrachloroethane	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 2.7	< 0.76	< 1.40	< 1.40	< 1.40	< 3.40	< 2.70
1,1,2-Trichloroethane	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 2.2	< 0.87	< 1.10	< 1.10	< 1.10	< 2.70	< 2.20
1,1-Dichloroethane	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 1.6	< 0.93	< 0.81	< 0.81	< 0.81	< 2.00	< 1.60
1,1-Dichloroethene	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 1.6	< 3.40	< 0.79	< 0.79	< 0.79	< 2.00	< 1.60
1,2,4-Trichlorobenzene	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 7.4	< 2.20	< 3.70	< 3.70	< 3.70	< 9.30	< 7.40
1,2,4-Trimethylbenzene	**3.8**	**1.7**	**1.4**	**4.4**	**1.9**	**0.6** J	**0.95**	**3.5**	**2.2**	**1.6**	**0.84** J	**2.6** J	**1.8**	**1.1**	**0.94** J	**3.5**	**3.2**
1,2-Dibromoethane	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 3.1	< 1.10	< 1.50	< 1.50	< 1.50	< 3.80	< 3.10
1,2-Dichlorobenzene	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.93	< 0.92	< 2.4	< 1.60	< 1.20	< 1.20	< 1.20	< 3.00	< 2.40
1,2-Dichloroethane	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 1.6	< 0.73	< 0.81	< 0.81	< 0.81	< 2.00	< 1.60
1,2-Dichloropropane	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 1.8	< 1.10	< 0.92	< 0.92	< 0.92	< 2.30	< 1.80
1,3,5-Trimethylbenzene	**1.6**	**0.5** J	< 0.75	**4.3**	**1.1**	<0.75	< 0.75	**2**	**1**	**1.1**	**1.2** J	< 0.93	**1.2**	**2.5**	**1.6**	**3.3**	**2.3**
1,3-butadiene	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.88	< 0.55	**0.3** J	**0.28** J	**0.26** J	**0.35** J	< 0.88
1,3-Dichlorobenzene	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 2.4	< 1.10	< 1.20	< 1.20	< 1.20	**0.25** BJ	< 2.40
1,4-Dichlorobenzene	< 0.92	< 0.92	**2.2**	**1.3**	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 2.4	< 1.10	< 1.20	< 1.20	< 1.20	< 3.00	< 2.40
1,4-Dioxane	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 36	< 2.50	< 18.00	< 18.00	< 18.00	< 45.00	**1.7** J
2-Chlorotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2.1	< 0.67	< 1.00	< 1.00	< 1.00	< 2.60	< 2.10
2,2,4-trimethylpentane	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	**1.6**	< 1.9	< 0.70	< 0.93	**1.2**	< 0.93	< 2.30	< 1.90
4-ethyltoluene	**1**	< 0.75	< 0.75	**1**	< 0.75	< 0.75	< 0.75	**0.75**	< 0.75	**0.55** J	**0.51** J	< 0.74	**0.43** J	**0.70** J	**0.48** J	**1.2** J	**0.74** J
4-Isopropyltoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**5.4**	< 1.10	**0.88** J	**1.2**	**4.2**	**2.7** J	**0.95** J
Acetone	**15**	**51**	**36**	**34**	**10**	**26**	**56**	**30**	**120**	**36**	**35**	**22** J	**7.8** J B	**18**	**61**	**21** J	**14** J
Allyl chloride	< 0.48	< 0.48	< 0.48	**2.1**	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 3.1	< 1.50	< 1.60	< 1.60	< 1.60	< 3.90	< 3.10
Benzene	**1.2**	**0.55**	**0.62**	**0.68**	0.55	**0.78**	**0.42** J	**0.42** J	**0.62** J	**1.1**	**0.72** J	< 0.58	**0.34** J	**0.87**	**0.37** J	**0.34** J	**0.37** J
Benzyl chloride	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 2.1	< 1.10	< 1.00	< 1.00	< 1.00	< 2.60	< 2.10
Bromodichloromethane	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 2.7	< 0.80	< 1.30	< 1.30	< 1.30	< 3.40	< 2.70
Bromoform	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 4.1	< 0.74	< 2.10	< 2.10	< 2.10	< 5.20	< 4.10
Bromomethane	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 1.6	< 1.00	< 0.78	< 0.78	< 0.78	< 1.90	< 1.60
Carbon disulfide	< 0.47	< 0.47	< 0.47	**0.6**	< 0.47	**1**	< 0.47	**0.76**	**0.38** J	< 0.47	< 3.1	< 0.62	**0.32** J	< 1.60	**0.27** J	**0.65** J	< 3.10
Carbon tetrachloride	< 0.96	< 0.96	< 0.96	**0.9** J	**0.45** J	**0.83** J	< 0.96	< 0.96	< 0.96	< 0.96	**0.56**	< 0.82	**0.52**	**0.59**	**0.41**	**0.52** J	**0.50** J
Chlorobenzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 1.8	< 0.60	< 0.92	**0.32** J	< 0.92	< 2.30	< 1.80
Chloroethane	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 2.6	< 0.87	< 1.30	< 1.30	< 1.30	< 3.30	< 2.60
Chloroform	**2.3**	**0.89**	**1.4**	**26**	**2.1**	**1.2**	**0.65** J	**4.5**	**0.99**	**0.79**	**0.82** J	**4.9** J	**1.5**	**1.2**	**0.35** J	**3.6**	< 2.00
Chloromethane	< 0.31	< 0.31	**0.69**	< 0.31	< 0.31	< 0.31	**0.92**	< 0.31	< 0.31	< 0.31	**1.4** JB	< 0.70	**0.82** J	**1.3**	**0.89** J	**1.1** J	< 2.10
cis-1,2-Dichloroethene	**3.1**	**1.3**	**1.7**	**2.9**	**2.1**	**2.5**	**1.4**	**2.7**	**1.9**	**1.3**	**2.2**	< 3.30	**1.9**	**2.1**	**1.4**	**1.8** J	**1.9**
cis-1,3-Dichloropropene	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 1.8	< 0.59	< 0.91	< 0.91	< 0.91	< 2.30	< 1.80
Cyclohexane	< 0.52	**5.1**	**10**	**37**	**6.1**	<.52	**5.4**	< 0.52	< 0.52	**1.3**	**0.8** J	**2.3** J	**1.9**	**0.69**	**12**	**54**	**4.4**
Dibromochloromethane	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 3.4	< 0.94	< 1.70	< 1.70	< 1.70	< 4.30	< 3.40
Ethyl acetate	< 0.92	< 0.92	< 0.92	**2.2**	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	**1.8**	**0.71**	**0.66**	**2.8**	**1.1**	**1.7**	**1.9**	**1.9**	**0.97**	**1.3**	**1.3** J	**< 0.65** J	**1.1**	**1.5**	**1.6**	**2.6**	**1.5** J
Freon 11	**3.1**	**3.7**	**4.7**	**2.5**	**3**	**240**	**6.4**	**4.9**	**170**	**5.5**	**4.8**	**28**	**78**	**2.4**	**1.3**	**2.0** J	**1.6** J
Freon 113	**4.1**	**4.4**	**4.2**	**4.4**	**1.9**	**3.3**	**2.4**	**3**	**1.9**	**1.3**	**1.5** J	< 1.50	1.3 J	**1.2** J	**0.88** J	**0.96** J	**0.96** J
Freon 114	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 2.8	< 1.40	< 1.40	< 1.40	< 1.40	< 3.50	< 2.80
Freon 12	**3.4**	**1.8**	**2.8**	**2.8**	**1.6**	**4.8**	**2.9**	**3.4**	**3.3**	**2.9**	**3.4** J	**2.2** J	**2.8**	**3.2**	**2.4** J	**3.0** J	**2.7** J
Freon 22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**1.1** J	< 0.81	1.1 J	**1.6** J	**1.1** J	< 4.40	**2.0** J
Heptane	**19**	**7.8**	**5.7**	**140**	**3.5**	**17**	**2.6**	**1.2**	**0.83**	**1**	**1.7**	**13**		**1.3**	**0.90**	**0.53** J	**29**
Hexachloro-1,3-butadiene	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 4.3	< 3.10	< 2.10	< 2.10	< 2.10	< 5.30	< 4.30
Hexane	**1.9**	< 0.54	< 0.54	**2.2**	< 0.54	< 0.54	< 0.54	**1.6**	**0.5** J	**1.1**	**0.42** J	< 0.70	0.57 J	**2**	**0.69** J	**0.88** J	**1.1** J
Isopropyl alcohol	**50**	**64**	**110**	**230**	**190**	**29**	**190**	**160**	**150**	**75**	**140**	**120** J	**58**	**72**	**140** E	**150**	**120**
m&p-Xylene	**4.1**	**2.3**	**1.6**	**7.6**	**3.1**	**4.3**	**5**	**5.7**	**2**	**2.7**	**2** J	**3.1** J	**2** J	**1.8** J	**3.4**	**4.0** J	**3.9** J
Methyl Butyl Ketone	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 4.1	< 1.60	< 2.00	< 2.00	< 2.00	< 5.10	< 4.10
Methyl Ethyl Ketone	**1.4**	**28**	**6.2**	**7.5** J	**1.4**	**2.7**	**0.78** J	**1.4**	**0.99**	**0.66** J	**1.9** J	< 0.74	**0.57** J	< 1.50	**2.3**	< 3.70	< 2.90
Methyl Isobutyl Ketone	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 4.1	< 1.40	< 2.00	< 2.00	**0.58** J	< 5.10	< 4.10
Methyl methacrylate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 4.1	< 0.66	< 2.00	< 2.00	< 2.00	< 5.10	< 4.10
Methyl tert-butyl ether	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 1.4	< 0.54	< 0.72	< 0.72	< 0.72	< 1.80	< 1.40
Methylene chloride	**13**	**49**	**51**	**76**	**140**	**79**	**160**	**170**	**150**	**64**	**10** B	**26** B	**8.3** B	**19**	**18**	**54**	**35**
Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 5.2	< 2.00	< 2.60	< 2.60	< 2.60	< 6.60	< 5.20
n-Butane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**1.2** J	< 0.52	**1.4**	**4.3**	**1.2**	< 3.00	< 2.40
n-Butylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2.2	< 1.20	< 1.10	< 1.10	< 1.10	< 2.70	< 2.20
n-Propylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2.0	< 0.64	**0.35** J	**0.52** J	< 0.98	< 2.50	< 2.00
o-Xylene	**2.3**	**1.2**	**1.1**	**5.5**	**3.6**	**1.5**	**1.6**	**3.1**	**2.4**	**2.2**	**2.6**	**3.5** J	**3**	**2.9**	**2.7**	**4.9**	**3.6**
Propylene	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NS	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2.2	< 0.82	< 1.10	< 1.10	< 1.10	< 2.70	< 2.20
Styrene	**0.91**	< 0.65	**0.87**	< 0.65	**1.1**	**0.69**	**0.91**	**1.7**	**0.95**	**1.3**	**0.45** J	< 0.47	**1.1**	**0.67** J	**0.56** J	**1.9** J	**0.85** J
tert-Butyl alcohol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 30	< 1.20	**0.28** J	< 15.00	< 15.00	< 38.00	< 30.00
tert-Butylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2.2	< 0.60	< 1.10	< 1.10	< 1.10	< 2.70	< 2.20
Tetrachloroethylene	**180**	**230**	**180**	**660**	**290**	**250**	**250**	**150**	**500**	**190**	**210**	**150**	**230**	**240**	**140**	**180**	**190**
Tetrahydrofuran	< 0.45	**78**	**4.3**	**13**	**2.4**	**3.4**	**3.1**	**3.7**	< 0.45	**0.9**	**1.8** J	< 0.86	< 15.00	**0.67** J	**0.92** J	< 37.00	< 29.00
Toluene	**2.8**	**1.6**	**4.8**	**9.2**	**1.8**	**2.1**	**5.7**	**6.2**	**2.8**	**4.1**	**1.6**	**2.8** J	**1.5**	**2.3**	**1.8**	**4.1**	**2.1**
trans-1,2-Dichloroethene	< 0.60	< 0.60	**3.3**	**0.64**	**2.1**	**6.9**	**1.4**	< 0.60	< 0.60	< 0.60	**0.45** J	< 0.91	**0.29** J	**0.40** J	**1.6**	**0.51** J	< 1.60
trans-1,3-Dichloropropene	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 1.8	< 0.68	< 0.91	< 0.91	< 0.91	< 2.30	< 1.80
Trichloroethene	**38**	**38**	**32**	**67**	**28**	**52**	**28**	**46**	**31**	**21**	**21**	**14**	**20**	**16**	**10**	**15**	**12**
Vinyl acetate	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	NS	NS	NS	NS	NS	NS	NS
Vinyl Bromide	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 1.7	< 0.83	< 0.87	< 0.87	< 0.87	< 2.20	< 1.70
Vinyl chloride	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.20	< 0.23	< 0.10	< 0.10	< 0.10	< 0.26	< 0.20
Cumulative VOCs (µg/m3)[2]	**353.81**	**571.55**	**468.18**	**1,348.52**	**698.90**	**731.30**	**728.43**	**608.43**	**1,144.73**	**420.30**	**456.67**	**394.40**	**431.37**	**405.81**	**416.10**	**518.69**	**436.37**
Target VOCs (µg/m3)[3]	**221.10**	**269.30**	**217.00**	**730.54**	**322.20**	**311.40**	**280.80**	**198.70**	**532.90**	**212.30**	**233.65**	**164.00**	**252.19**	**258.50**	**153.00**	**197.31**	**203.90**

Notes:

1. Samples analyzed for VOCs using USEPA Method TO-15.
2. Cumulative VOCs calculated using only detected concentrations.
3. Target VOCs calculated using only detected concentrations of the following compounds: 1,1-dichloroethene, cis-1,2-dichloroethene, tetrachloroethylene, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride.

-**BOLD** indicates a detected compound.

Definitions:

< - less than reporting limit listed
J - Indicates that the result was less than the RL, but greater than or equal to the MDL and the concentration is an estimate.
B - Indicates that the compound was also identified in the method blank and sample.
D - Indicates that the sample results are obtained from a dilution.
E - Indicates that the result exceeded the calibration range.
U - Indicates that compound was analyzed for but was not detected.
NS - Not Sampled For
Q - data qualifier
µg/m^3 - micrograms per cubic meter

Table 7. SDS-5 Air Sample Analytical Results, Former Lockheed Martin French Road Facility, Utica, New York

Sample Location	SDS-5																			
Date	1/7/2011	3/8/2011	4/4/2011	7/6/2011	10/22/2011	1/11/2012	4/3/2012	7/11/2012	10/17/2012	1/15/2013	4/23/2013	7/11/2013	10/23/2013	2/7/2014	4/4/2014	7/10/2014	10/9/2014
Volatile Organic Compounds[1]	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q
1,1,1-Trichloroethane	**3.9**	**1.7**	**3.3**	**5.5**	**4.7**	**4.4**	**2.2**	**4**	**3.9**	**1.9**	< 11	< 1.10	< 8.70	< 7.50	**0.85** J	**1.5** J	< 8.70
1,1,2,2-Tetrachloroethane	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 14	< 0.76	< 11.00	< 9.50	< 1.40	< 6.90	< 11.00
1,1,2-Trichloroethane	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 11	< 0.87	< 8.70	< 7.50	< 1.10	< 5.50	< 8.70
1,1-Dichloroethane	**0.91**	**1.9**	**2.1**	**3.5**	**4.7**	**5.3**	**2.7**	**5.3**	**2.8**	**3.8**	< 8.1	< 0.93	**2** J	< 5.60	**0.46** J	< 4.00	< 6.50
1,1-Dichloroethene	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 7.9	< 3.40	< 6.30	< 5.50	< 0.79	< 4.00	< 6.30
1,2,4-Trichlorobenzene	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 37	< 2.20	< 30.00	< 26.00	< 3.70	< 19.00	< 30.00
1,2,4-Trimethylbenzene	**3.2**	**1**	**3.6**	**3.3**	**0.7** J	**0.85**	**0.55** J	**1.9**	**0.95**	**1.4**	< 9.8	< 1.00	< 7.90	< 6.80	< 0.98	**0.56** J	< 7.90
1,2-Dibromoethane	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 15	< 1.10	< 12.00	< 11.00	< 1.50	< 7.70	< 12.00
1,2-Dichlorobenzene	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 12	< 1.60	< 9.60	< 8.30	< 1.20	< 6.00	< 9.60
1,2-Dichloroethane	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 8.1	< 0.73	< 6.50	< 5.60	< 0.81	< 4.00	< 6.50
1,2-Dichloropropane	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 9.2	< 1.10	< 7.40	< 6.40	< 0.92	< 4.60	< 7.40
1,3,5-Trimethylbenzene	**1**	< 0.75	**0.7** J	**1.7**	< 0.75	< 0.75	< 0.75	**0.9**	< 0.75	< 0.75	< 9.8	< 0.93	< 7.90	< 6.80	< 0.98	< 4.90	< 7.90
1,3-butadiene	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 4.4	< 0.55	< 3.50	< 3.10	< 0.44	< 2.20	< 3.50
1,3-Dichlorobenzene	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 12	< 1.10	< 9.60	< 8.30	< 1.20	< 6.00	< 9.60
1,4-Dichlorobenzene	**14**	**5.9**	**14**	**2.9**	**0.86** J	**12**	< 0.92	**3.5**	< 0.92	< 0.92	< 12	< 1.10	< 9.60	< 8.30	< 1.20	< 6.00	< 9.60
1,4-Dioxane	**1.6**	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 180	< 2.50	< 140.00	< 120.00	< 18.00	< 90.00	< 140.00
2-Chlorotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 10	< 0.67	< 8.30	< 7.10	< 1.00	< 5.20	< 8.30
2,2,4-trimethylpentane	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	**2.2**	< 9.3	< 0.70	< 7.50	< 6.40	< 0.93	< 4.70	< 7.50
4-ethyltoluene	**0.75**	< 0.75	**0.65** J	**0.85**	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 9.8	< 0.74	< 7.90	< 6.80	< 0.98	< 4.90	< 7.90
4-Isopropyltoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 11	< 1.10	< 8.80	< 7.60	< 1.10	< 5.50	< 8.80
Acetone	**160**	**22**	**38**	**66**	**21**	**52**	**70**	< 0.72	**100**	< 0.72	**33** J	**24** J	**21** J B	< 82.00	**24**	**16** J	< 95.00
Allyl chloride	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 16	< 1.50	< 13.00	< 11.00	< 1.60	< 7.80	< 13.00
Benzene	**1.8**	**0.68**	**0.68**	**3**	**0.39** J	**2.4**	**1.6**	**0.58**	**4.6**	**1.7**	< 6.4	< 0.58	**1.2** J	< 4.40	**0.56** J	**0.58** J	< 5.10
Benzyl chloride	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 10	< 1.10	< 8.30	< 7.10	< 1.00	< 5.20	< 8.30
Bromodichloromethane	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 13	< 0.80	< 11.00	< 9.20	< 1.30	< 6.70	< 11.00
Bromoform	< 1.60	< 1.60	< 1.60	**3.1**	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 21	< 0.74	< 17.00	< 14.00	< 2.10	< 10.00	< 17.00
Bromomethane	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 7.8	< 1.00	< 6.20	< 5.40	< 0.78	< 3.90	< 6.20
Carbon disulfide	**0.47**	< 0.47	**0.47**	**0.85**	**0.57**	0.47	< 0.47	< 0.47	**1**	< 0.47	< 16	< 0.62	< 12.00	< 11.00	**0.67** J	< 7.80	< 12.00
Carbon tetrachloride	**0.64** J	< 0.96	< 0.96	**0.9** J	**0.51** J	**0.83** J	< 0.96	< 0.96	< 0.96	< 0.96	< 2.5	< 0.82	< 2.00	< 1.70	**0.38**	< 1.30	< 2.00
Chlorobenzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 9.2	< 0.60	< 7.40	< 6.40	< 0.92	< 4.60	< 7.40
Chloroethane	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 13	< 0.87	< 11.00	< 9.10	< 1.30	< 6.60	< 11.00
Chloroform	**5.2**	**3**	**4.9**	**250**	**8.9**	**4.6**	**2.4**	**25**	**3.9**	**2.1**	**2.3** J	**36**	**5.8** J	**24**	**1.8**	**54**	< 7.80
Chloromethane	**1.2**	**0.4**	< 0.31	< 0.31	< 0.31	< 0.31	**0.8**	< 0.31	< 0.31	< 0.31	**2.2** J	< 0.70	**0.74** J	< 7.10	**0.70** J	< 5.20	< 8.30
cis-1,2-Dichloroethene	**0.69**	**1.9**	**2**	**3.7**	**3.3**	**3.4**	**1.5**	**3**	**1.9**	**1.4**	< 7.9	< 3.30	< 6.30	< 5.50	**0.62** J	< 4.00	< 6.30
cis-1,3-Dichloropropene	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 9.1	< 0.59	< 7.30	< 6.30	< 0.91	< 4.50	< 7.30
Cyclohexane	**1.7**	**4.7**	**10**	**22**	**5.3**	<0.52	< 0.52	**1.2**	< 0.52	**2.1**	**6.4** J	**5.3** J	**3.8** J	< 4.80	< 0.69	**5.4**	**3.8** J
Dibromochloromethane	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 17	< 0.94	< 14.00	< 12.00	< 1.70	< 8.50	< 14.00
Ethyl acetate	**30**	< 0.92	< 0.92	**4.5**	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	**3.4**	**8.8**	**12**	**4.4**	**1.3**	**1.7**	**0.84**	**2.4**	**0.88**	**1**	**1.4** J	**1.1** J	**0.83** J	< 6.00	**0.74** J	**1.0** J	**1.2** J
Freon 11	< 0.86	**2.1**	**7**	**3.4**	**11**	**43**	**19**	**11**	**8.5**	**4.1**	< 11	**16**	**19**	< 7.80	**1.2**	**1.5** J	< 9.00
Freon 113	**1.8**	**1.6**	**2.1**	**2**	< 1.20	**3.3**	**2**	**3.4**	**2.6**	**1.7**	**1.8** J	< 1.50	**1.6** J	< 11.00	**0.87** J	< 7.70	< 12.00
Freon 114	< 1.10	< 1.10	< 1.10	**1.3**	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 14	< 1.40	< 11.00	< 9.60	< 1.40	< 7.00	< 11.00
Freon 12	**3.4**	**1.8**	**2.2**	**8.2**	**6.4**	**10**	< 0.75	**5.3**	**9.5**	**4**	**3.8** J	**2.7** J	**3.7** J	**3.1** J	**2.3** J	**2.9** J	< 20.00
Freon 22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**3.6** J	< 0.81	**5.2** J	**11** J	**7.2**	**4.0** J	**5.0** J
Heptane	< 0.62	< 0.62	**2.2**	< 0.62	< 0.62	**4.9**	**1.1**	< 0.62	**1.4**	< 0.62	**2.4** J	**1.7** J	< 6.60	< 5.70	**3.5**	**1.6** J	< 6.60
Hexachloro-1,3-butadiene	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 21	< 3.10	< 17.00	< 15.00	< 2.10	< 11.00	< 17.00
Hexane	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	**2.3**	< 0.54	**1.2**	**1.8**	**1.8**	**1.7** J	< 0.70	< 5.60	< 4.90	**4.7**	< 3.50	**2.5** J
Isopropyl alcohol	**1100**	**76**	< 0.37	**250**	**150**	<0.37	**250**	**180**	**180**	**280**	**180**	**330**	**230**	**260**	**430** ED	**200**	**420**
m&p-Xylene	**120**	**34**	**44**	**18**	**4.7**	**6.1**	**2.8**	**10**	**3.4**	**3.7**	**4.5** J	**2.5** J	**2.7** J	**3.2** J	**1.8** J	**3.8** J	**3.8** J
Methyl Butyl Ketone	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	<20	< 1.60	< 16.00	< 14.00	< 2.00	< 10.00	< 16.00
Methyl Ethyl Ketone	**16**	**25**	**12**	**11**	**2.1**	<0.90	**1.6**	**1.2**	**1.8**	**1.1**	**2.8** J	< 0.74	**2.2** J	< 10.00	**3.6**	< 7.40	< 12.00
Methyl Isobutyl Ketone	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	<20	< 1.40	< 16.00	< 14.00	**0.44** J	< 10.00	< 16.00
Methyl methacrylate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<20	< 0.66	< 16.00	< 14.00	< 2.00	< 10.00	< 16.00
Methyl tert-butyl ether	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	<7.2	< 0.54	< 5.80	< 5.00	< 0.72	< 3.60	< 5.80
Methylene chloride	**110**	**340**	**150**	**270**	**740**	**1,200**	**570**	**460**	**1,000**	**1,800**	**850** B	**550** B	**590** B	**280**	**170** D	**410**	**220**
Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<26	< 2.00	< 21.00	< 18.00	< 2.60	< 13.00	< 21.00
n-Butane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2.2** J	< 0.52	**7.4** J	< 8.20	**3.3**	**8.4**	< 9.50
n-Butylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<11	< 1.20	< 8.80	< 7.60	< 1.10	< 5.50	< 8.80
n-Propylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<9.8	< 0.64	< 7.90	< 6.80	< 0.98	< 4.90	< 7.90
o-Xylene	**23**	**9.3**	**12**	**5.6**	**1.5**	**1.5**	**0.66**	**2.7**	**0.84**	**1.1**	**1.3** J	< 0.69	**0.77** J	**0.95** J	**0.37** J	**1.0** J	**1.0** J
Propylene	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NS	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<11	< 0.82	< 8.80	< 7.60	< 1.10	< 5.50	< 8.80
Styrene	< 0.65	< 0.65	< 0.65	**1.3**	< 0.65	< 0.65	< 0.65	< 0.65	**0.43** J	< 0.65	<8.5	< 0.47	< 6.80	< 5.90	< 0.85	< 4.30	< 6.80
tert-Butyl alcohol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<150	< 1.20	< 120.00	< 100.00	< 15.00	< 76.00	< 120.00
tert-Butylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 11	< 0.60	< 8.80	< 7.60	< 1.10	< 5.50	< 8.80
Tetrachloroethylene	**34**	**14**	**12**	**27**	**15**	**21**	**12**	22	**26**	**23**	**18**	**13** J	**18**	**7.6** J	**5.4**	**7.3**	**5.0** J
Tetrahydrofuran	< 0.45	**65**	**5.7**	**13**	**4.3**	**9.6**	**13**	**14**	**1.7**	**1.4**	**18** J	16 J	**10** J	**7.6** J	**3.4** J	< 74.00	< 120.00
Toluene	**11**	**4.7**	**14**	**21**	**2.9**	**4.7**	**3.6**	**7.9**	**3.4**	**5.5**	**3.8** J	**3.1** J	**2.5** J	**3.1** J	**5.4**	**2.3** J	**3.1** J
trans-1,2-Dichloroethene	**1.3**	**0.81**	**4.4**	**1.1**	**22**	**2.6**	**3.5**	< 0.60	< 0.60	0.85	**3.7** J	< 0.91	< 6.30	< 5.50	**7.6**	**1.5** J	< 6.30
trans-1,3-Dichloropropene	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 9.1	< 0.68	< 7.30	< 6.30	< 0.91	< 4.50	< 7.30
Trichloroethene	**45**	**35**	**36**	**68**	**32**	**55**	**30**	**45**	**37**	**27**	**20**	**17**	**23**	**14**	**9.8**	**13**	**9.0**
Vinyl acetate	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	NS	NS	NS	NS	NS	NS	NS
Vinyl Bromide	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 8.7	< 0.83	< 7.00	< 6.00	< 0.87	< 4.40	< 7.00
Vinyl chloride	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 1.0	< 0.23	< 0.82	< 0.71	< 0.10	< 0.51	< 0.82
Cumulative VOCs (µg/m3)[2]	**1,695.96**	**661.29**	**396.00**	**1,077.10**	**1,044.13**	**1,451.95**	**991.85**	**811.48**	**1,398.30**	**2,172.85**	**1,162.90**	**1,018.40**	**951.44**	**614.55**	**691.66**	**736.34**	**674.40**
Target VOCs (µg/m3)[3]	**80.99**	**51.71**	**54.40**	**99.80**	**72.30**	**82.00**	**47.00**	**70.00**	**64.90**	**52.25**	**41.70**	**30.00**	**41.00**	**21.60**	**23.42**	**21.80**	**14.00**

Notes:
1. Samples analyzed for VOCs using USEPA Method TO-15.
2. Cumulative VOCs calculated using only detected concentrations.
3. Target VOCs calculated using only detected concentrations of the following compounds: 1,1-dichloroethene, cis-1,2-dichloroethene, tetrachloroethylene, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride.
-**BOLD** indicates a detected compound.

Definitions:
< - less than reporting limit listed
J - Indicates that the result was less than the RL, but greater than or equal to the MDL and the concentration is an estimate.
B - Indicates that the compound was also identified in the method blank and sample.
D - Indicates that the sample results are obtained from a dilution.
E - Indicates that the result exceeded the calibration range.
U - Indicates that compound was analyzed for but was not detected.
NS - Not Sampled For
Q - data qualifier
µg/m^3 - micrograms per cubic meter
VOC - Volatile Organic Compounds

Table 8. SDS-6 Air Sample Analytical Results, Former Lockheed Martin French Road Facility, Utica, New York

Sample Location	SDS-6																													
Date	1/7/2011		3/8/2011		4/4/2011		7/6/2011		10/22/2011		1/11/2012		4/3/2012		7/11/2012		10/17/2012		1/15/2013		4/23/2013		7/11/2013		10/23/2013		2/7/2014		4/4/2014		7/10/2014		10/9/2014	
Volatile Organic Compounds[1]	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q
1,1,1-Trichloroethane	**19**		**12**		**19**		**42**		**21**		**40**		**11**		**21**		**16**		**21**		**24**		**24**		< 19.00		< 24.00		**0.48**	**J**	< 8.70		< 19.00	
1,1,2,2-Tetrachloroethane	< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 14		< 1.30		< 23.00		< 30.00		< 2.70		< 11.00		< 24.00	
1,1,2-Trichloroethane	< 0.83		< 0.83		< 0.83		< 0.83		< 0.83		< 0.83		< 0.83		< 0.83		< 0.83		< 0.83		< 11		< 1.50		< 19.00		< 24.00		< 2.20		< 8.70		< 19.00	
1,1-Dichloroethane	**2.1**		**5.2**		**8.8**		**13**		**8.8**		**12**		**3.7**		**6**		**3.4**		**8.4**		**8.4**		< 1.60		< 14.00		< 18.00		**0.54**	**J**	< 6.50		< 14.00	
1,1-Dichloroethene	< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 7.9		< 5.80		< 14.00		< 17.00		< 1.60		< 6.30		< 14.00	
1,2,4-Trichlorobenzene	< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 37		< 3.80		< 63.00		< 82.00		< 7.40		< 30.00		< 64.00	
1,2,4-Trimethylbenzene	**27**		**9.1**		**7.5**		**12**		**4.5**		**4.8**		**2.5**		**5.1**		**4.1**		**4.1**		< 9.8		< 1.80		< 17.00		< 22.00		**1.7**	**J**	**1.8**	**J**	< 17.00	
1,2-Dibromoethane	< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 15		< 1.80		< 26.00		< 34.00		< 3.10		< 12.00		< 26.00	
1,2-Dichlorobenzene	< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 12		< 2.70		< 21.00		< 26.00		< 2.40		< 9.60		< 21.00	
1,2-Dichloroethane	< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 8.1		< 1.20		< 14.00		< 18.00		< 1.60		< 6.50		< 14.00	
1,2-Dichloropropane	< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 9.2		< 1.80		< 16.00		< 20.00		< 1.80		< 7.40		< 16.00	
1,3,5-Trimethylbenzene	**15**		**2**		**3.5**		**5.1**		**2.8**		**1.9**		**1**		**3.1**		**1.6**		**2.4**		< 9.8		< 1.60		< 17.00		< 22.00		**0.81**	**J**	**0.88**	**J**	< 17.00	
1,3-butadiene	< 0.34		< 0.34		< 0.34		< 0.34		< 0.34		< 0.34		< 0.34		< 0.34		< 0.34		< 0.34		< 4.4		< 0.95		< 7.60		< 9.70		< 0.88		< 3.50		< 7.60	
1,3-Dichlorobenzene	< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 12		< 2.00		< 21.00		< 26.00		< 2.40		**0.80**	**BJ**	< 21.00	
1,4-Dichlorobenzene	**9.3**		**1.9**		**7**		**1.7**		**1.3**		**7.4**		< 0.92		**7.4**		< 0.92		< 0.92		< 12		< 1.90		< 21.00		< 26.00		< 2.40		< 9.60		< 21.00	
1,4-Dioxane	< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		**1.8**		< 1.10		< 1.10		< 180		< 4.30		< 310.00		< 400.00		< 36.00		< 140.00		< 310.00	
2-Chlorotoluene	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 10		< 1.20		< 18.00		< 23.00		< 2.10		< 8.30		< 18.00	
2,2,4-trimethylpentane	**0.95**		**0.81**		**1.4**		**1.2**		**0.71**		**0.76**		< 0.71		**0.71**		**0.62**	**J**	< 0.71		< 9.3		< 1.20		< 16.00		< 21.00		**0.34**	**J**	< 7.50		< 16.00	
4-ethyltoluene	**23**		**2.6**		**4**		**4.8**		**1.7**		**2**		**1**		**2.5**		**1.6**		**1.6**		< 9.8		< 1.30		< 17.00		< 22.00		**1.1**	**J**	**0.90**	**J**	< 17.00	
4-Isopropyltoluene	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 11		< 1.90		< 19.00		< 24.00		< 2.20		< 8.80		< 19.00	
Acetone	**40**		**83**		**33**		< 0.72		< 0.72		**52**		**40**		**76**		**48**		**37**		**34**	**J**	**59**	**J**	**42**	**J B**	< 260.00		**32**		**24**	**J**	< 200.00	
Allyl chloride	< 0.48		< 0.48		< 0.48		< 0.48		< 0.48		< 0.48		< 0.48		< 0.48		< 0.48		< 0.48		< 16		< 2.50		< 27.00		< 34.00		< 3.10		< 13.00		< 27.00	
Benzene	**1.3**		**0.91**		**1.1**		**0.78**		**0.52**		**1.3**		**1.2**		**1.8**		**1.8**		**2**		< 6.4		**3.8**	**J**	< 11.00		< 14.00		**0.67**	**J**	**0.74**	**J**	< 11.00	
Benzyl chloride	< 0.88		< 0.88		< 0.88		< 0.88		< 0.88		< 0.88		< 0.88		< 0.88		< 0.88		< 0.88		< 10		< 1.90		< 18.00		< 23.00		< 2.10		< 8.30		< 18.00	
Bromodichloromethane	< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 13		< 1.40		< 23.00		< 29.00		< 2.70		< 11.00		< 23.00	
Bromoform	< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 21		< 1.30		< 35.00		< 45.00		< 4.10		< 17.00		< 36.00	
Bromomethane	< 0.59		< 0.59		< 0.59		< 0.59		< 0.59		< 0.59		< 0.59		< 0.59		< 0.59		< 0.59		< 7.8		< 1.80		< 13.00		< 17.00		< 1.60		< 6.20		< 13.00	
Carbon disulfide	**0.85**		< 0.47		**0.47**		**0.47**		**1**		0.47		< 0.47		**0.51**		< 0.47		< 0.47		< 16		< 1.10		< 27.00		< 34.00		**0.74**	**J**	**19**		< 27.00	
Carbon tetrachloride	< 0.96		< 0.96		< 0.96		**0.77**	**J**	**0.38**	**J**	**0.7**	**J**	< 0.96		< 0.96		< 0.96		< 0.96		< 2.5		< 1.40		< 4.30		< 5.50		**0.36**	**J**	< 2.00		< 4.30	
Chlorobenzene	< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 9.2		< 1.00		< 16.00		< 20.00		< 1.80		< 7.40		< 16.00	
Chloroethane	< 0.40		< 0.40		< 0.40		< 0.40		< 0.40		< 0.40		< 0.40		< 0.40		< 0.40		< 0.40		< 13		< 1.50		< 23.00		< 29.00		< 2.60		< 11.00		< 23.00	
Chloroform	**1.8**		**9.6**		**16**		**25**		**16**		**23**		**8**		**15**		**8.8**		**11**		**16**		**18**		**6.5**	**J**	**50**		**1.6**	**J**	**1.9**	**J**	< 17.00	
Chloromethane	< 0.31		< 0.31		< 0.31		< 0.31		< 0.31		< 0.31		< 0.31		< 0.31		**1.2**		< 0.31		**2.3**	**J**	< 1.20		**1.4**	**J**	< 23.00		**1.0**	**J**	< 8.30		< 18.00	
cis-1,2-Dichloroethene	< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 7.9		< 5.70		< 14.00		< 17.00		< 1.60		< 6.30		< 14.00	
cis-1,3-Dichloropropene	< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 9.1		< 1.00		< 16.00		< 20.00		< 1.80		< 7.30		< 16.00	
Cyclohexane	**27**		**10**		**22**		**36**		**5.1**		**6.9**		< 0.52		< 0.52		< 0.52		< 0.52		**13**		**8.7**	**J**	**6.5**	**J**	< 15.00		**6.0**		**6.2**		**11**	**J**
Dibromochloromethane	< 1.30		< 1.30		< 1.30		< 1.30		< 1.30		< 1.30		< 1.30		< 1.30		< 1.30		< 1.30		< 17		< 1.60		< 29.00		< 37.00		< 3.40		< 14.00		< 29.00	
Ethyl acetate	< 0.92		< 0.92		**3.2**		**11**		< 0.92		< 0.92		**3.1**		< 0.92		**1.1**		< 0.92		NS		NS		NS		NS		NS		NS		NS		NS	
Ethylbenzene	**3**		**2.7**		**2**		**3.3**		**1.8**		**2.8**		**1.3**		**2.6**		**0.88**		**0.75**		**2**	**J**	< 1.10		< 15.00		< 19.00		**1.1**	**J**	**1.2**	**J**	< 15.00	
Freon 11	**2.1**		**3.6**		**2.6**		**6**		**17**		**91**		**26**		**24**		**16**		**6.9**		**7.1**	**J**	**35**		**33**		< 25.00		**1.3**	**J**	**1.9**	**J**	< 19.00	
Freon 113	**13**		**35**		**34**		**74**		**50**		**79**		**41**		**80**		**48**		**47**		**55**		56		**4.3**	**J**	< 34.00		**0.69**	**J**	< 12.00		< 26.00	
Freon 114	< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		**1.1**		**1.3**		**1.7**		< 1.10		< 14		< 2.40		< 24.00		< 31.00		< 2.80		< 11.00		< 24.00	
Freon 12	**3.6**		**5.4**		**5.4**		**5.3**		**12**		**24**		< 0.75		**11**		**14**		**8.5**		**4.6**	**J**	**8.6**	**J**	**9.9**	**J**	< 54.00		**2.1**	**J**	**3.2**	**J**	< 43.00	
Freon 22	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		**5.8**	**J**	< 1.40		< 30.00		**6.7**	**J**	**5.0**		**3.5**	**J**	**5.2**	**J**
Heptane	< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		**6.5**		**1.7**		**1.5**		**2.1**		**1.7**		**3.6**	**J**	< 1.20		< 14.00		< 18.00		**4.4**		< 6.60		< 14.00	
Hexachloro-1,3-butadiene	< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 21		< 5.30		< 36.00		< 47.00		< 4.30		< 17.00		< 37.00	
Hexane	< 0.54		< 0.54		< 0.54		< 0.54		**1.3**		**2.4**		< 0.54		**2.1**		**2.5**		**1.7**		**2.4**	**J**	< 1.20		< 12.00		< 16.00		**6.1**		< 5.60		< 12.00	
Isopropyl alcohol	**650**		**320**		**450**	**E**	**140**		**570**		**590**		**170**		**110**		**300**		**1,100**		**650**		**1100**		**1300**		**1900**		**1300**	**E**	**460**		**900**	
m&p-Xylene	**12**		**9.9**		**7.8**		**10**		**6.3**		**10**		**4.3**		**9.3**		**2.8**		**2.3**		**5.1**	**J**	< 1.60		< 37.00		< 48.00		**4.1**	**J**	**3.0**	**J**	< 37.00	
Methyl Butyl Ketone	< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 20		< 2.80		< 35.00		< 45.00		< 4.10		< 16.00		< 35.00	
Methyl Ethyl Ketone	**12**		**140**		**15**		**43**		**2.2**		<0.90		**1.3**		**2.1**		< 0.90		< 0.90		**2.7**	**J**	**4.4**	**J**	**2.6**	**J**	< 32.00		**5.9**		< 12.00		< 25.00	
Methyl Isobutyl Ketone	< 1.20		**1.3**		< 1.20		**1.4**		< 1.20		< 1.20		< 1.20		**3**		< 1.20		< 1.20		< 20		< 2.40		< 35.00		< 45.00		**0.58**	**J**	< 16.00		< 35.00	
Methyl methacrylate	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 20		< 1.10		< 35.00		< 45.00		**0.45**	**J**	< 16.00		< 35.00	
Methyl tert-butyl ether	< 0.55		< 0.55		< 0.55		< 0.55		< 0.55		< 0.55		< 0.55		< 0.55		< 0.55		< 0.55		< 7.2		< 0.92		< 12.00		< 16.00		< 1.40		< 5.80		< 12.00	
Methylene chloride	**570**		**580**		**450**	**E**	**320**		**660**		**2,500**		**950**		620		**990**		**5,700**		**670**	**B**	**540**	**B**	**750**	**B**	**590**		**260**		**350**		**220**	
Naphthalene	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 26		< 3.40		< 45.00		< 58.00		< 5.20		< 21.00		< 45.00	
n-Butane	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		**12**		< 0.89		**3.8**	**J**	< 26.00		**2.8**		**7.0**	**J**	< 20.00	
n-Butylbenzene	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 11		< 2.10		< 19.00		< 24.00		< 2.20		< 8.80		< 19.00	
n-Propylbenzene	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 9.8		< 1.10		< 17.00		< 22.00		< 2.00		< 7.90		< 17.00	
o-Xylene	**6.6**		**3.7**		**3.2**		**3.8**		**2.3**		**2.9**		**1.4**		**3**		**1**		**1.1**		**1.8**	**J**	< 1.20		< 15.00		< 19.00		**1.3**	**J**	**1.2**	**J**	< 15.00	
Propylene	< 0.26		< 0.26		< 0.26		< 0.26		< 0.26		< 0.26		< 0.26		< 0.26		< 0.26		< 0.26		NS		NS		NS		NS		NS		NS		NS		NS	
sec-Butylbenzene	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 11		< 1.40		< 19.00		< 24.00		< 2.20		< 8.80		< 19.00	
Styrene	< 0.65		< 0.65		< 0.65		< 0.65		**0.82**		<0.65		< 0.65		0.91		< 0.65		**1.5**		< 8.5		< 0.80		< 15.00		< 19.00		**0.49**	**J**	< 6.80		< 15.00	
tert-Butyl alcohol	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 150		< 2.10		< 260.00		< 330.00		< 30.00		< 120.00		< 260.00	
tert-Butylbenzene	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 11		< 1.00		< 19.00		< 24.00		< 2.20		< 8.80		< 19.00	
Tetrachloroethylene	**8.3**		**7.6**		**13**		**39**		**29**		**38**		**9.2**		**17**		**12**		**19**		**22**		**31**		**27**		**18**	**J**	**12**		**21**		**7.8**	**J**
Tetrahydrofuran	**7.8**		**260**		**9.6**		**100**		**18**		**58**		**25**		**16**		**3.6**		**8.1**		**33**	**J**	**34**	**J**	< 250.00		**42**	**J**	**13**	**J**	< 120.00		< 250.00	
Toluene	**31**		**18**		**28**		**42**		**11**		**16**		**15**		**15**		**12**		**7.7**		**14**		**16**		**8.8**	**J**	**14**	**J**	**14**		**7.4**		**7.0**	**J**
trans-1,2-Dichloroethene	**1**		< 0.60		**3**		< 0.60		**22**		<0.60		**2.7**		< 0.60		< 0.60		< 0.60		**6.6**	**J**	< 1.60		< 14.00		< 17.00		**5.3**		< 6.30		< 14.00	
trans-1,3-Dichloropropene	< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 9.1		< 1.20		< 16.00		< 20.00		< 1.80		< 7.30		< 16.00	
Trichloroethene	< 0.82		**5.5**		**7.4**		**18**		**10**		**19**		**6.3**		**14**		**8.8**		**12**		**16**		**19**		**10**		**4.3**	**J**	**2.5**		< 1.70		< 3.70	
Vinyl acetate	< 0.54		< 0.54		< 0.54		< 0.54		< 0.54		< 0.54		< 0.54		< 0.54		< 0.54		< 0.54		NS		NS		NS		NS		NS		NS		NS		NS	
Vinyl Bromide	< 0.67		< 0.67		< 0.67		< 0.67		< 0.67		< 0.67		< 0.67		< 0.67		< 0.67		< 0.67		< 8.7		< 1.40		< 15.00		< 19.00		< 1.70		< 7.00		< 15.00	
Vinyl chloride	< 0.39		< 0.39		< 0.39		< 0.39		< 0.39		< 0.39		< 0.39		< 0.39		< 0.39		< 0.39		< 1.0		< 0.40		< 1.70		< 2.20		< 0.20		< 0.82		< 1.80	
Cumulative VOCs (µg/m3)[2]	**1,487.70**		**1,529.82**		**1,157.97**		**959.62**		**1,477.53**		**3,592.83**		**1,327.80**		**1,073.73**		**1,503.60**		**7,005.75**		**1,611.40**		**1,957.50**		**2,205.80**		**2,625.00**		**1,690.45**		**915.62**		**1,151.00**	
Target VOCs (µg/m3)[3]	**9.30**		**13.10**		**23.40**		**57.00**		**61.00**		**57.00**		**18.20**		**31.00**		**20.80**		**31.00**		**44.60**		**50.00**		**37.00**		**22.30**		**19.80**		**21.00**		**7.80**	

Notes:

1. Samples analyzed for VOCs using USEPA Method TO-15.
2. Cumulative VOCs calculated using only detected concentrations.
3. Target VOCs calculated using only detected concentrations of the following compounds: 1,1-dichloroethene, cis-1,2-dichloroethene, tetrachloroethylene, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride.

-**BOLD** indicates a detected compound.

Definitions:

< - less than reporting limit listed
J - Indicates that the result was less than the RL, but greater than or equal to the MDL and the concentration is an estimate.
B - Indicates that the compound was also identified in the method blank and sample.
D - Indicates that the sample results are obtained from a dilution.
E - Indicates that the result exceeded the calibration range.
U - Indicates that compound was analyzed for but was not detected.
NS - Not Sampled For
Q - data qualifier
µg/m^3 - micrograms per cubic meter

Table 9. SDS-7 Air Sample Analytical Results, Former Lockheed Martin French Road Facility, Utica, New York

Sample Location	SDS-7																											
Date	1/7/2011		3/8/2011		4/4/2011		7/6/2011		10/22/2011		1/11/2012		4/3/2012		7/11/2012		10/17/2012		1/15/2013		4/23/2013		7/11/2013		10/23/2013		2/7/2014		4/4/2014		7/10/2014		10/9/2014	
Volatile Organic Compounds[1]	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q
1,1,1-Trichloroethane	**23**		**10**		**9.5**		**21**		**11**		**29**		**12**		**18**		**16**		**21**		**16**		**11**		**1.8**	**J**	< 5.50		**0.48**	**J**	**0.57**	**J**	< 4.40	
1,1,2,2-Tetrachloroethane	< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 5.5		< 0.76		< 8.30		< 6.90		< 1.40		< 1.70		< 5.50	
1,1,2-Trichloroethane	< 0.83		< 0.83		< 0.83		< 0.83		< 0.83		< 0.83		< 0.83		< 0.83		< 0.83		< 0.83		< 4.4		< 0.87		< 6.60		< 5.50		< 1.10		< 1.40		< 4.40	
1,1-Dichloroethane	**0.45**	**J**	< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 3.2		< 0.93		< 4.90		< 4.00		< 0.81		< 1.00		< 3.20	
1,1-Dichloroethene	< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 0.60		< 3.2		< 3.40		< 4.80		< 4.00		< 0.79		< 0.99		< 3.20	
1,2,4-Trichlorobenzene	< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 15		< 2.20		< 22.00		< 19.00		< 3.70		< 4.60		< 15.00	
1,2,4-Trimethylbenzene	**2.6**		**4**		**2**		**4**		**0.55**	**J**	**0.8**		**0.8**		**0.85**		**0.9**		**0.65**	**J**	< 3.9		< 1.00		< 6.00		< 4.90		**19**		**0.27**	**J**	< 3.90	
1,2-Dibromoethane	< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 6.1		< 1.10		< 9.30		< 7.70		< 1.50		< 1.90		< 6.10	
1,2-Dichlorobenzene	< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 4.8		< 1.60		< 7.30		< 6.00		< 1.20		< 1.50		< 4.80	
1,2-Dichloroethane	< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 0.62		< 3.2		< 0.73		< 4.90		< 4.00		< 0.81		< 1.00		< 3.20	
1,2-Dichloropropane	< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 3.7		< 1.10		< 5.60		< 4.60		< 0.92		< 1.20		< 3.70	
1,3,5-Trimethylbenzene	**1.1**		**1.1**		**0.7**	**J**	**2.2**		< 0.75		< 0.75		< 0.75		**1**		**0.7**	**J**	< 0.75		< 3.9		< 0.93		< 6.00		< 4.90		**3.6**		**0.13**	**J**	< 3.90	
1,3-butadiene	< 0.34		< 0.34		< 0.34		< 0.34		< 0.34		< 0.34		< 0.34		< 0.34		< 0.34		< 0.34		< 1.8		< 0.55		< 2.70		< 2.20		< 0.44		< 0.55		< 1.80	
1,3-Dichlorobenzene	< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 4.8		< 1.10		< 7.30		< 6.00		**0.58**	**J**	**0.28**	**BJ**	< 4.80	
1,4-Dichlorobenzene	**2.3**		< 0.92		**2.1**		**0.73**	**J**	< 0.92		**1.3**		< 0.92		**4.8**		< 0.92		< 0.92		< 4.8		< 1.10		< 7.30		< 6.00		**0.15**	**J**	< 1.50		< 4.80	
1,4-Dioxane	< 1.10		< 1.10		< 1.10		**0.92**	**J**	< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 72		< 2.50		< 110.00		< 90.00		**2.9**	**J**	< 23.00		< 72.00	
2-Chlorotoluene	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 4.1		< 0.67		< 6.30		< 5.20		< 1.00		< 1.30		< 4.10	
2,2,4-trimethylpentane	< 0.71		< 0.71		< 0.71		< 0.71		< 0.71		< 0.71		< 0.71		< 0.71		< 0.71		< 0.71		< 3.7		< 0.70		< 5.70		< 4.70		< 0.93		< 1.20		< 3.70	
4-ethyltoluene	**1.1**		**1.2**		**0.75**		**1.3**		< 0.75		< 0.75		< 0.75		< 0.75		< 0.75		< 0.75		< 3.9		< 0.74		< 6.00		< 4.90		**3.3**		**0.11**	**J**	< 3.90	
4-Isopropyltoluene	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 4.4		< 1.10		< 6.70		< 5.50		**38**		< 1.40		< 4.40	
Acetone	**17**		**100**	**J**	**17**		**22**		**21**		**27**		**20**		**20**		**19**		< 0.72		**39**	**J**	**34**	**J**	**13**	**J B**	< 59.00		**200**	**D**	**6.8**	**J**	< 48.00	
Allyl chloride	< 0.48		< 0.48		< 0.48		< 0.48		< 0.48		< 0.48		< 0.48		< 0.48		< 0.48		< 0.48		< 6.3		< 1.50		< 9.50		< 7.80		< 1.60		< 2.00		< 6.30	
Benzene	**1.3**		**0.58**		**0.78**		**1**		**0.42**	**J**	**0.75**		**0.36**	**J**	< 0.49		**0.42**	**J**	< 0.49		< 2.6		< 0.58		< 3.90		< 3.20		**1.6**		**0.093**	**J**	< 2.60	
Benzyl chloride	< 0.88		< 0.88		< 0.88		< 0.88		< 0.88		< 0.88		< 0.88		< 0.88		< 0.88		< 0.88		< 4.1		< 1.10		< 6.30		< 5.20		< 1.00		< 1.30		< 4.10	
Bromodichloromethane	< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 1.00		< 5.4		< 0.80		< 8.10		< 6.70		< 1.30		< 1.70		< 5.40	
Bromoform	< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 8.3		< 0.74		< 13.00		< 10.00		< 2.10		< 2.60		< 8.30	
Bromomethane	< 0.59		< 0.59		< 0.59		< 0.59		< 0.59		< 0.59		< 0.59		< 0.59		< 0.59		< 0.59		< 3.1		< 1.00		< 4.70		< 3.90		< 0.78		< 0.97		< 3.10	
Carbon disulfide	**1.7**		**0.66**		**0.63**		**0.82**		**0.73**		**0.95**		< 0.47		**0.57**		< 0.47		< 0.47		**21**		< 0.62		**4.4**	**J**	< 7.80		**32**		< 1.90		< 6.20	
Carbon tetrachloride	< 0.96		< 0.96		< 0.96		**0.96**		**0.58**	**J**	**0.83**	**J**	< 0.96		< 0.96		< 0.96		< 0.96		< 1.0		< 0.82		< 1.50		< 1.30		**0.39**		**0.45**		< 1.00	
Chlorobenzene	< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 0.70		< 3.7		< 0.60		< 5.60		< 4.60		< 0.92		< 1.20		< 3.70	
Chloroethane	< 0.40		< 0.40		< 0.40		< 0.40		< 0.40		< 0.40		< 0.40		< 0.40		< 0.40		< 0.40		< 5.3		< 0.87		< 8.00		< 6.60		**0.40**	**J**	< 1.60		< 5.30	
Chloroform	**8.9**		**6.6**		**8.8**		**19**		**12**		**23**		**14**		**22**		**15**		**16**		**17**		**12**		**5**	**J**	**7.5**		< 0.98		**1.5**		< 3.90	
Chloromethane	< 0.31		< 0.31		< 0.31		**3.9**		< 0.31		< 0.31		< 0.31		< 0.31		< 0.31		< 0.31		**0.87**	**JB**	< 0.70		**4.8**	**J**	< 5.20		**0.89**	**J**	< 1.30		< 4.10	
cis-1,2-Dichloroethene	**0.81**		**0.52**	**J**	**0.44**	**J**	0.73		**0.81**		**1.6**		< 0.60		**0.85**		**0.89**		**0.48**	**J**	< 3.2		< 3.30		< 4.80		< 4.00		**0.23**	**J**	**0.34**	**J**	< 3.20	
cis-1,3-Dichloropropene	< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 3.6		< 0.59		< 5.50		< 4.50		< 0.91		< 1.10		< 3.60	
Cyclohexane	**4.9**	**J**	< 0.52		**7.6**		**6.1**		**0.98**		**10**		**7.2**		< 0.52		< 0.52		< 0.52		**3.8**		< 0.65		**2.2**	**J**	< 3.40		**2.9**		**0.82**	**J**	**2.0**	**J**
Dibromochloromethane	< 1.30		< 1.30		< 1.30		< 1.30		< 1.30		< 1.30		< 1.30		< 1.30		< 1.30		< 1.30		< 6.8		< 0.94		< 10.00		< 8.50		< 1.70		< 2.10		< 6.80	
Ethyl acetate	< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		< 0.92		NS		NS		NS		NS		NS		NS		NS		NS	
Ethylbenzene	**0.66**		**1.2**		**0.49**	**J**	**1.1**		**0.62**	**J**	**1.3**		**0.49**	**J**	< 6.60		< 0.66		< 0.66		< 3.5		< 0.65		< 5.30		< 4.30		**4.3**		**0.19**	**J**	< 3.50	
Freon 11	**1.9**		**1.5**		**2.3**		**2.4**		**1.8**		**5.1**		**1.9**		**2.1**		**4.5**		**2.1**		**1.8**	**J**	**4.5**	**J**	**16**		< 5.60		**1.2**		**1.3**	**J**	< 4.50	
Freon 113	**4.5**		**3.1**		**3.3**		**4.4**		**4.1**		**6.9**		**3.9**		**3.4**		**4**		**3.3**		**4.3**	**J**	**3.9**	**J**	< 9.30		< 7.70		**0.53**	**J**	**0.60**	**J**	< 6.10	
Freon 114	< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		< 1.10		**0.92**	**J**	< 5.6		< 1.40		< 8.50		< 7.00		< 1.40		< 1.70		< 5.60	
Freon 12	**3.8**		**4.9**		**4.6**		**8.9**		**3.7**		**6.3**		< 0.75		**3.2**		**6.6**		**3.3**		**3.5**	**J**	**3.8**	**J**	**4**	**J**	**3.1**	**J**	**2.3**	**J**	**2.5**	**J**	**2.9**	**J**
Freon 22	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 7.1		< 0.81		< 11.00		**2.0**	**J**	**2.1**		**1.4**	**J**	**7.7**	
Heptane	< 0.62		< 0.62		**0.83**		**0.96**		< 0.62		< 0.62		< 0.62		< 0.62		**0.46**	**J**	< 0.62		< 3.3		< 0.70		< 5.00		< 4.10		**7.7**		< 1.00		< 3.30	
Hexachloro-1,3-butadiene	< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 1.60		< 8.5		< 3.10		< 13.00		< 11.00		< 2.10		< 2.70		< 8.50	
Hexane	< 0.54		< 0.54		**1.3**		< 0.54		< 0.54		< 0.54		< 0.54		< 0.54		< 0.54		< 0.54		< 2.8		< 0.70		< 4.30		< 3.50		**4.2**		< 0.88		< 2.80	
Isopropyl alcohol	**170**		**150**		**62**	**E**	**51**		**140**		**230**		**260**		**70**		**220**		**220**		**230**		**390**		**370**		**400**		**230**	**D**	**70**		**250**	
m&p-Xylene	**1.7**		**4.5**		**1.5**		**3.5**		**1.9**		**4.1**		**1.5**		**1.2**	**J**	< 1.30		< 1.30		< 8.7		< 0.96		< 13.00		< 11.00		**17**		**0.55**	**J**	< 8.70	
Methyl Butyl Ketone	< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 8.2		< 1.60		< 12.00		< 10.00		< 2.00		< 2.60		< 8.20	
Methyl Ethyl Ketone	**3.1**		**130**		**7.5**	**J**	**10**		**1.3**		**2.2**		**0.81**	**J**	**0.69**	**J**	< 0.90		< 0.90		**3.9**	**J**	< 0.74		**1.7**	**J**	< 7.40		**38**		**1.4**	**J**	< 5.90	
Methyl Isobutyl Ketone	< 1.20		< 1.20		< 1.20		**1.7**		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 1.20		< 8.2		< 1.40		< 12.00		< 10.00		**3.7**		< 2.60		< 8.20	
Methyl methacrylate	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 8.2		< 0.66		< 12.00		< 10.00		**2.0**	**J**	< 2.60		< 8.20	
Methyl tert-butyl ether	< 0.55		< 0.55		< 0.55		< 0.55		< 0.55		< 0.55		< 0.55		< 0.55		< 0.55		< 0.55		< 2.9		< 0.54		< 4.40		< 3.60		< 0.72		< 0.90		< 2.90	
Methylene chloride	**110**		**250**		**92**	**E**	**40**		**97**		**500**		**65**		**27**		**290**		**380**		**220**	**B**	**120**	**B**	**140**	**B**	**99**		**82**		**40**		**88**	
Naphthalene	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 10		< 2.00		< 16.00		< 13.00		**2.1**	**J**	< 3.30		**9.3**	**J**
n-Butane	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		**3.7**	**J**	< 0.52		**1.7**	**J**	< 5.90		< 1.20		**1.6**		**5.6**	
n-Butylbenzene	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 4.4		< 1.20		< 6.70		< 5.50		< 1.10		< 1.40		< 4.40	
n-Propylbenzene	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 3.9		< 0.64		< 6.00		< 4.90		**2.0**		< 1.20		< 3.90	
o-Xylene	**0.79**		**1.5**		**0.53**	**J**	**1.3**		**0.49**	**J**	**0.93**		< 0.66		< 0.66		< 0.66		< 0.66		< 3.5		< 0.69		< 5.30		< 4.30		**5.1**		**0.19**	**J**	< 3.50	
Propylene	< 0.26		< 0.26		< 0.26		< 0.26		< 0.26		< 0.26		< 0.26		< 0.26		< 0.26		< 0.26		NS		NS		NS		NS		NS		NS		NS		NS	
sec-Butylbenzene	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 4.4		< 0.82		< 6.70		< 5.50		< 1.10		< 1.40		< 4.40	
Styrene	**0.69**		< 0.65		< 0.65		**0.52**	**J**	< 0.65		< 0.65		< 0.65		< 0.65		< 0.65		< 0.65		< 3.4		< 0.47		< 5.20		< 4.30		**0.41**	**J**	**0.17**	**J**	< 3.40	
tert-Butyl alcohol	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 61		< 1.20		< 92.00		< 76.00		< 15.00		< 19.00		**30**	**J**
tert-Butylbenzene	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		< 4.4		< 0.60		< 6.70		< 5.50		< 1.10		< 1.40		< 4.40	
Tetrachloroethylene	**40**		**8**		**6.9**		**15**		**14**		**28**		**11**		**11**		**11**		**11**		**9.5**		**7.7**	**J**	**4.2**	**J**	**3.0**	**J**	**4.0**		**1.8**		**1.7**	**J**
Tetrahydrofuran	**40**		**390**		**11**		**25**		**22**		**33**		**27**		**3.1**		**1.3**		**0.99**		**67**		**43**	**J**	**9.1**	**J**	**26**	**J**	**41**		< 18.00		**4.6**	**J**
Toluene	**5.9**		**1.9**		**4.1**		**6.2**		**1.2**		**5.3**		**3.2**		**0.61**		**1.6**		**0.54**	**J**	**2.1**	**J**	**1.3**	**J**	**0.81**	**J**	**1.4**	**J**	**12**		**0.36**	**J**	**1.8**	**J**
trans-1,2-Dichloroethene	< 0.60		< 0.60		**0.73**		< 0.60		**5.2**		**0.77**		**15**		< 0.60		< 0.60		< 0.60		**19**		< 0.91		< 4.80		< 4.00		**4.3**		**0.20**	**J**	< 3.20	
trans-1,3-Dichloropropene	< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 0.69		< 3.6		< 0.68		< 5.50		< 4.50		< 0.91		< 1.10		< 3.60	
Trichloroethene	**36**		**44**		**19**		**56**		**26**		**53**		**26**		**42**		**29**		**35**		**32**		**24**		**7.4**		**2.6**		**1.7**		**3.4**		**2.2**	
Vinyl acetate	< 0.54		< 0.54		< 0.54		< 0.54		< 0.54		< 0.54		< 0.54		< 0.54		< 0.54		< 0.54		NS		NS		NS		NS		NS		NS		NS		NS	
Vinyl Bromide	< 0.67		< 0.67		< 0.67		< 0.67		< 0.67		< 0.67		< 0.67		< 0.67		< 0.67		< 0.67		< 3.5		< 0.83		< 5.30		< 4.40		< 0.87		< 1.10		< 3.50	
Vinyl chloride	< 0.39		< 0.39		< 0.39		< 0.39		< 0.39		< 0.39		< 0.39		< 0.39		< 0.39		< 0.39		< 0.41		< 0.23		< 0.62		< 0.51		< 0.10		< 0.13		< 0.41	
Cumulative VOCs (µg/m3)[2]	**484.20**		**1,114.96**		**268.38**		**312.64**		**367.38**		**972.13**		**470.16**		**232.37**		**621.37**		**695.28**		**694.47**		**655.20**		**586.11**		**544.60**		**774.06**		**137.02**		**405.80**	
Target VOCs (µg/m3)[3]	**76.81**		**52.22**		**27.07**		**71.73**		**46.01**		**83.37**		**52.00**		**53.85**		**40.89**		**46.48**		**60.50**		**31.70**		**11.60**		**5.60**		**10.23**		**5.74**		**3.90**	

Notes:
1. Samples analyzed for VOCs using USEPA Method TO-15.
2. Cumulative VOCs calculated using only detected concentrations.
3. Target VOCs calculated using only detected concentrations of the following compounds: 1,1-dichloroethene, cis-1,2-dichloroethene, tetrachloroethylene, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride.
-**BOLD** indicates a detected compound.

Definitions:
< - less than reporting limit listed
J - Indicates that the result was less than the RL, but greater than or equal to the MDL and the concentration is an estimate.
B - Indicates that the compound was also identified in the method blank and sample.
D - Indicates that the sample results are obtained from a dilution.
E - Indicates that the result exceeded the calibration range.
U - Indicates that compound was analyzed for but was not detected.
NS - Not Sampled For
Q - data qualifier
µg/m^3 - micrograms per cubic meter

Table 10. SDS-8 Air Sample Analytical Results, Former Lockheed Martin French Road Facility, Utica, New York

Sample Location	SDS-8									
Date	10/23/2013		2/7/2014		4/4/2014		7/10/2014		10/9/2014	
Volatile Organic Compounds[1]	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q
1,1,1-Trichloroethane	**13**		**11**		**7.4**		< 2.20		**4.8**	
1,1,2,2-Tetrachloroethane	< 3.40		< 5.50		< 1.40		< 2.70		< 4.10	
1,1,2-Trichloroethane	< 2.70		< 4.40		< 1.10		< 2.20		< 3.30	
1,1-Dichloroethane	**1.1**	**J**	**4.9**	**J**	**1.6**		**1.8**		**1.1**	**J**
1,1-Dichloroethene	< 2.00		< 3.20		< 0.79		< 1.60		< 2.40	
1,2,4-Trichlorobenzene	< 9.30		< 15.00		< 3.70		< 7.40		< 11.00	
1,2,4-Trimethylbenzene	< 2.50		< 3.90		**0.62**	**J**	< 2.00		< 2.90	
1,2-Dibromoethane	< 3.80		< 6.10		< 1.50		< 3.10		< 4.60	
1,2-Dichlorobenzene	< 3.00		< 4.80		< 1.20		< 2.40		< 3.60	
1,2-Dichloroethane	< 2.00		< 3.20		< 0.81		< 1.60		< 2.40	
1,2-Dichloropropane	< 2.30		< 3.70		< 0.92		< 1.80		< 2.80	
1,3,5-Trimethylbenzene	< 2.50		< 3.90		**0.20**	**J**	< 2.00		< 2.90	
1,3-butadiene	< 1.10		< 1.80		< 0.44		< 0.88		< 1.30	
1,3-Dichlorobenzene	< 3.00		< 4.80		< 1.20		**0.45**	**BJ**	< 3.60	
1,4-Dichlorobenzene	< 3.00		< 4.80		**0.12**	**J**	< 2.40		< 3.60	
1,4-Dioxane	< 45.00		< 72.00		**2.5**	**J**	< 36.00		< 54.00	
2-Chlorotoluene	< 2.60		< 4.10		< 1.00		< 2.10		< 3.10	
2,2,4-trimethylpentane	< 2.30		< 3.70		< 0.93		< 1.90		< 2.80	
4-ethyltoluene	< 2.50		< 3.90		**0.29**	**J**	< 2.00		< 2.90	
4-Isopropyltoluene	< 2.70		< 4.40		**1.1**		**1.3**	**J**	< 3.30	
Acetone	**130**	**B**	**24**	**J**	**280**	**D**	**29**		**35**	
Allyl chloride	< 3.90		< 6.30		< 1.60		< 3.10		< 4.70	
Benzene	**0.65**	**J**	**0.59**	**J**	**2.1**		< 1.30		< 1.90	
Benzyl chloride	< 2.60		< 4.10		< 1.00		< 2.10		< 3.10	
Bromodichloromethane	**1.2**	**J**	< 5.40		**0.58**	**J**	**1.0**	**J**	< 4.00	
Bromoform	< 5.20		< 8.30		< 2.10		< 4.10		< 6.20	
Bromomethane	< 1.90		< 3.10		< 0.78		< 1.60		< 2.30	
Carbon disulfide	**2.9**	**J**	< 6.20		**170**	**D**	**11**		< 4.70	
Carbon tetrachloride	< 0.63		< 1.00		**0.41**		< 0.50		**0.64**	**J**
Chlorobenzene	< 2.30		< 3.70		< 0.92		< 1.80		< 2.80	
Chloroethane	< 3.30		< 5.30		< 1.30		< 2.60		< 3.90	
Chloroform	**91**		**77**		**28**		**61**		**23**	
Chloromethane	**1.1**	**J**	< 4.10		**0.69**	**J**	**0.74**	**J**	< 3.10	
cis-1,2-Dichloroethene	**2.6**		**3.8**		**3.5**		**4.2**		**1.9**	**J**
cis-1,3-Dichloropropene	< 2.30		< 3.60		< 0.91		< 1.80		< 2.70	
Cyclohexane	**3.8**		< 2.80		**2.4**		< 1.40		< 2.10	
Dibromochloromethane	< 4.30		< 6.80		< 1.70		< 3.40		< 5.10	
Ethyl acetate	NS		NS		NS		NS		NS	
Ethylbenzene	**0.53**	**J**	< 3.50		**1.0**		**0.49**	**J**	< 2.60	
Freon 11	**18**		**4.3**	**J**	**2.4**		**2.6**		**1.9**	**J**
Freon 113	**33**		**12**		**8.7**		**11**		**5.9**	
Freon 114	< 3.50		< 5.60		< 1.40		< 2.80		< 4.20	
Freon 12	**3.8**	**J**	**7.1**	**J**	**4.9**		**9.2**		**5.9**	**J**
Freon 22	**3.4**	**J**	**3.9**	**J**	**4.1**		**3**	**J**	**8.1**	
Heptane	**0.8**	**J**	< 3.30		< 0.82		< 1.60		< 2.50	
Hexachloro-1,3-butadiene	< 5.30		< 8.50		< 2.10		< 4.30		< 6.40	
Hexane	**1**	**J**	< 2.80		**1.5**		< 1.40		< 2.10	
Isopropyl alcohol	**240**		**310**		**400**	**ED**	**120**		**270**	
m&p-Xylene	**1.3**	**J**	< 8.70		**3.7**		**1.2**	**J**	**1.2**	**J**
Methyl Butyl Ketone	< 5.10	U	< 8.20		**7.3**		< 4.10		< 6.10	
Methyl Ethyl Ketone	**3.4**	**J**	< 5.90		**74**		**4.2**		< 4.40	
Methyl Isobutyl Ketone	< 5.10		< 8.20		**3.7**		< 4.10		< 6.10	
Methyl methacrylate	< 5.10		< 8.20		< 2.00		< 4.10		< 6.10	
Methyl tert-butyl ether	< 1.80		< 2.90		< 0.72		< 1.40		< 2.20	
Methylene chloride	**210**	**B**	**74**		**130**		**160**		**94**	
Naphthalene	**1.4**	**J**	< 10.00		< 2.60		< 5.20		< 7.80	
n-Butane	**8.7**		**230**		**13**		**22**		**16**	
n-Butylbenzene	< 2.70		< 4.40		< 1.10		< 2.20		< 3.30	
n-Propylbenzene	< 2.50		< 3.90		< 0.98		< 2.00		< 2.90	
o-Xylene	**0.4**	**J**	< 3.50		**1.1**		**0.36**	**J**	< 2.60	
Propylene	NS		NS		NS		NS		NS	
sec-Butylbenzene	< 2.70		< 4.40		< 1.10		< 2.20		< 3.30	
Styrene	**0.42**	**J**	< 3.40		**0.19**	**J**	**0.19**	**J**	< 2.50	
tert-Butyl alcohol	< 38.00		< 61.00		**2.6**	**J**	< 30.00		< 45.00	
tert-Butylbenzene	< 2.70		< 4.40		< 1.10		< 2.20		< 3.30	
Tetrachloroethylene	**16**		**9.0**		**9.2**		**16**		**14**	
Tetrahydrofuran	**4**	**J**	**6.6**	**J**	**27**		< 29.00		< 44.00	
Toluene	**2.8**		**4.0**		**7.9**		**5.8**		**4.7**	
trans-1,2-Dichloroethene	< 2.00		**1.8**	**J**	**8.6**		**0.42**	**J**	< 2.40	
trans-1,3-Dichloropropene	< 2.30		< 3.60		< 0.91		< 1.80		< 2.70	
Trichloroethene	**72**		**67**		**55**		**81**		**45**	
Vinyl acetate	NS		NS		NS		NS		NS	
Vinyl Bromide	< 2.20		< 3.50		< 0.87		< 1.70		< 2.60	
Vinyl chloride	< 0.26		< 0.41		< 0.10		< 0.20		< 0.31	
Cumulative VOCs (µg/m3)[2]	**868.30**		**850.99**		**1,267.40**		**547.95**		**533.14**	
Target VOCs (µg/m3)[3]	**90.60**		**81.60**		**76.30**		**101.62**		**60.90**	

Notes:
1. Samples analyzed for VOCs using USEPA Method TO-15.
2. Cumulative VOCs calculated using only detected concentrations.
3. Target VOCs calculated using only detected concentrations of the following compounds: 1,1-dichloroethene, cis-1,2-dichloroethene, tetrachloroethylene, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride.
-**BOLD** indicates a detected compound.

Definitions:
< - less than reporting limit listed
J - Indicates that the result was less than the RL, but greater than or equal to the MDL and the concentration is an estimate.
B - Indicates that the compound was also identified in the method blank and sample.
D - Indicates that the sample results are obtained from a dilution.
E - Indicates that the result exceeded the calibration range.
U - Indicates that compound was analyzed for but was not detected.
NS - Not Sampled For
Q - data qualifier
µg/m^3 - micrograms per cubic meter
VOC - Volatile Organic Compounds

Table 11. Mid-Carbon air Sample Analytical Results, Former Lockheed Martin French Road Facility, Utica, New York

Sample Location	Mid-Carbon[2]					Mid-Carbon[3]																				
Date	10/9/2009	1/21/2010	4/7/2010	7/8/2010	10/6/2010	1/7/2011	3/8/2011	4/4/2011	7/6/2011	10/22/2011	1/11/2012	4/3/2012	7/11/2012	10/17/2012	1/15/2013	4/23/2013	7/11/2013	10/23/2013	2/7/2014	4/4/2014	7/10/2014	10/9/2014
Volatile Organic Compounds[1]	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q
1,1,1-Trichloroethane	**0.89**	**2.1**	**1.3**	**4.2**	**2.1**	< 0.83	< 0.83	**1.2**	< 0.83	< 0.83	**1.6**	< 0.83	< 0.83	< 0.83	**1.5**	**0.54** J	< 1.10	< 3.30	**2.5**	**1.8**	**9.0**	**1.8**
1,1,2,2-Tetrachloroethane	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.4	< 0.76	< 4.10	< 2.70	< 1.40	< 8.20	< 1.40
1,1,2-Trichloroethane	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 1.1	< 0.87	< 3.30	< 2.20	< 1.10	< 6.50	< 1.10
1,1-Dichloroethane	**1.8**	**0.62**	**0.86**	**1.9**	**0.62**	< 0.62	< 0.62	< 0.62	**0.53** J	**0.58** J	**1.4**	< 0.62	**0.49** J	**0.58** J	**2.3**	**0.45** J	< 0.93	< 2.40	**0.41** J	**0.36** J	**2.7** J	**0.44** J
1,1-Dichloroethene	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.79	< 3.40	< 2.40	< 1.60	< 0.79	< 4.80	< 0.79
1,2,4-Trichlorobenzene	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 3.7	< 2.20	< 11.00	< 7.40	< 3.70	< 22.00	< 3.70
1,2,4-Trimethylbenzene	**4.8**	< 0.75	**32**	**3.8**	**9.5**	**0.55** J	**0.9**	**0.6** J	**2.2**	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	**8.4**	**0.53** J	< 1.00	< 2.90	< 2.00	**0.24** J	**5.1** J	**0.17** J
1,2-Dibromoethane	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.5	< 1.10	< 4.60	< 3.10	< 1.50	< 9.20	< 1.50
1,2-Dichlorobenzene	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 1.2	< 1.60	< 3.60	< 2.40	< 1.20	< 7.20	< 1.20
1,2-Dichloroethane	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.81	< 0.73	< 2.40	< 1.60	< 0.81	< 4.90	< 0.81
1,2-Dichloropropane	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.92	< 1.10	< 2.80	< 1.80	< 0.92	< 5.50	< 0.92
1,3,5-Trimethylbenzene	**1.5**	< 0.75	**9.7**	**1.5**	**2.5**	< 0.75	< 0.75	< 0.75	**0.75**	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	**2.8**	< 0.98	< 0.93	< 2.90	< 2.00	**0.093** J	**1.6** J	< 0.98
1,3-butadiene	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	**0.12** J	< 0.55	< 1.30	< 0.88	< 0.44	< 2.70	< 0.44
1,3-Dichlorobenzene	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 1.2	< 1.10	< 3.60	< 2.40	< 1.20	**4.8** BJ	< 1.20
1,4-Dichlorobenzene	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 1.2	< 1.10	< 3.60	< 2.40	< 1.20	< 7.20	< 1.20
1,4-Dioxane	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 18	< 2.50	< 54.00	< 36.00	< 18.00	< 110.00	< 18.00
2-Chlorotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 1.0	< 0.67	< 3.10	< 2.10	< 1.00	< 6.20	< 1.00
2,2,4-trimethylpentane	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	**0.75** J	< 0.70	< 2.80	< 1.90	< 0.93	< 5.60	< 0.93
4-ethyltoluene	**1.5**	< 0.75	**10**	**0.7** J	**1.6**	< 0.75	< 0.75	< 0.75	**0.5** J	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	**1.2**	< 0.98	< 0.74	< 2.90	< 2.00	**0.10** J	**1.1** J	< 0.98
4-Isopropyltoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 1.1	< 1.10	**1.3** J	< 2.20	< 1.10	< 6.60	< 1.10
Acetone	**40**	**40**	**15**	**50**	**20**	**7.7**	**230**	**14**	< 0.72	**13**	<0.72	**9.2**	< 0.72	**18**	< 0.72	**35**	**34** J	**24** J B	**12** J	**8.6** J	**19** J	< 12.00
Allyl chloride	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 1.6	< 1.50	< 4.70	< 3.10	< 1.60	< 9.40	< 1.60
Benzene	**0.58**	< 0.49	< 0.49	< 0.49	< 0.49	**0.55**	< 0.49	**0.68**	< 0.49	**4.2**	**1.5**	**0.62**	**0.84**	**8.8**	**1.3**	**1.6**	**2.1** J	**1.5** J	< 1.30	**1.1**	**8.2**	**1.9**
Benzyl chloride	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 1.0	< 1.10	< 3.10	< 2.10	< 1.00	< 6.20	< 1.00
Bromodichloromethane	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.3	< 0.80	< 4.00	< 2.70	< 1.30	< 8.00	< 1.30
Bromoform	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 2.1	< 0.74	< 6.20	< 4.10	< 2.10	< 12.00	< 2.10
Bromomethane	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.78	< 1.00	< 2.30	< 1.60	< 0.78	< 4.70	< 0.78
Carbon disulfide	**3.3**	**0.38** J	**2**	**0.63**	**2.2**	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	**0.54**	< 0.47	**0.66**	< 0.47	< 0.47	< 1.6	< 0.62	67	< 3.10	< 1.60	< 9.30	< 1.60
Carbon tetrachloride	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	**0.24** J	< 0.82	< 0.75	**0.38** J	**0.31**	**1.4** J	**0.92**
Chlorobenzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.92	< 0.60	< 2.80	< 1.80	< 0.92	< 5.50	< 0.92
Chloroethane	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 1.3	< 0.87	< 3.90	< 2.60	< 1.30	< 7.90	< 1.30
Chloroform	**5.1**	**3.7**	**4.1**	**4.3**	**2.7**	< 0.74	< 0.74	< 0.74	**0.84**	**4.9**	**11**	**2**	**2.9**	**2.7**	**5.3**	**1.8**	**2** J	**2.7** J	**8.1**	**6.3**	**46**	**9.6**
Chloromethane	**0.78**	**0.55**	**0.67**	< 0.31	< 0.31	**0.76**	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NS	< 0.70	**1.1** J	< 2.10	**0.70** J	**3.0** J	< 1.00
cis-1,2-Dichloroethene	**4.4**	**1.4**	**2.4**	**6.2**	**2**	< 0.60	< 0.60	< 0.60	**0.73**	**2.3**	**0.81**	**2**	**1.5**	**2.6**	**1.5**	< 3.30	**2** J	**2.3**	**1.8**	**12**	**2.2**
cis-1,3-Dichloropropene	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.91	< 0.59	< 2.70	< 1.80	< 0.91	< 5.40	< 0.91
Cyclohexane	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	**0.45** J	**1.5**	**0.45** J	**1.5**	<0.52	**0.38** J	< 0.52	< 0.52	< 0.52	**11**	< 0.65	**0.66** J	**2.2**	**1.6**	**6.6**	**1.6**
Dibromochloromethane	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.7	< 0.94	< 5.10	< 3.40	< 1.70	< 10.00	< 1.70
Ethyl acetate	< 0.92	< 0.92	**0.92**	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	**2.3**	< 0.66	**3.7**	**0.66**	**1.7**	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	**0.57** J	< 0.66	< 0.66	**0.57** J	**0.49** J	**1.6**	< 0.65	**0.47** J	< 1.70	**0.42** J	**2.7** J	**0.15** J
Freon 11	**3.9**	**11**	**70**	**32**	**4.9**	< 0.86	**110**	**41**	**76**	**30**	**150**	**97**	**320**	**220**	**47**	**8**	**540**	**500**	**4.9**	**7.2**	**31**	**2.9**
Freon 113	**1.6**	**1.6**	**1.4**	**4.2**	**2.3**	< 1.20	**2.4**	**2.3**	**2.6**	**1.3**	**3.3**	< 1.20	< 1.20	**2**	< 1.10	**0.69** J	< 1.50	**1.3** J	**1.5** J	**1.5** J	**11**	**2.0**
Freon 114	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.4	< 1.40	< 4.20	< 2.80	< 1.40	< 8.40	< 1.40
Freon 12	**29**	**9.7**	**11**	**24**	**19**	**1.2**	**3.2**	**5.9**	**15**	**7.8**	**11**	**7.1**	**10**	**26**	**8.2**	**4.5**	**6.6** J	**11**	**5.0**	**4.7**	**28**	**6.9**
Freon 22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**3.2**	< 0.81	**3.1** J	**3.1** J	**2.5**	**9.0** J	**1.8**
Heptane	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	**0.46** J	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	**4.7**	< 0.70	< 2.50	< 1.60	< 0.82	< 4.90	< 0.82
Hexachloro-1,3-butadiene	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 2.1	< 3.10	< 6.40	< 4.30	< 2.10	< 13.00	< 2.10
Hexane	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	**2.8**	< 0.70	< 2.10	< 1.40	**0.14** J	< 4.20	< 0.70
Isopropyl alcohol	**140**	**190**	**220**	**750**	**150**	**4.4**	< 0.37	**8.2**	< 0.37	**18**	**110**	**49**	**87**	**53**	**160**	**91**	**130**	**93**	**160**	**81**	**320**	**71**
m&p-Xylene	**7.6**	< 1.30	**11**	**1.1** J	**5.7**	**0.75** J	**1.1** J	**0.88** J	**1.1** J	< 1.30	**1.9**	< 1.30	**0.97** J	**1.6**	**3.6**	**6.6**	< 0.96	**1.2** J	< 4.30	**1.5** J	**9.1** J	**0.45** J
Methyl Butyl Ketone	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 2.0	< 1.60	< 6.10	< 4.10	< 2.00	< 12.00	< 2.00
Methyl Ethyl Ketone	**2.9**	**0.66** J	**1.4**	**17**	< 0.90	< 0.90	**61**	**4.3**	**1**	**1.4**	<0.90	< 0.90	**1.2**	**0.69** J	**0.36** J	**6.9**	**3.6** J	**5.6**	< 2.90	< 1.50	**4.7** J	< 1.50
Methyl Isobutyl Ketone	< 1.20	< 1.20	< 1.20	< 1.20	**0.54** J	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 2.0	< 1.40	< 6.10	< 4.10	**0.35** J	**6.8** J	< 2.00
Methyl methacrylate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2.0	< 0.66	< 6.10	< 4.10	< 2.00	< 12.00	< 2.00
Methyl tert-butyl ether	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.72	< 0.54	< 2.20	< 1.40	< 0.72	< 4.30	< 0.72
Methylene chloride	**100**	**120**	**77**	**190**	**24**	< 0.53	**90**	**60**	**310**	**130**	**300**	**210**	**370**	**130**	**240**	**110** B	**150** B	**75** B	**69**	**63**	**460**	**29**
Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2.6	< 2.00	< 7.80	< 5.20	< 2.60	< 16.00	< 2.60
n-Butane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**9.8**	< 0.52	**2.4** J	**36**	**3.9**	**49**	**5.7**
n-Butylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 1.1	< 1.20	< 3.30	< 2.20	< 1.10	< 6.60	< 1.10
n-Propylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.98	< 0.64	< 2.90	< 2.00	< 0.98	< 5.90	< 0.98
o-Xylene	**2.3**	< 0.66	**6.8**	**0.57** J	**3.4**	< 0.66	< 0.66	< 0.66	**0.44** J	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	**1.8**	**2.1**	< 0.69	< 2.60	< 1.70	**0.48** J	**3.3** J	**0.16** J
Propylene	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NS	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 1.1	< 0.82	< 3.30	< 2.20	< 1.10	< 6.60	< 1.10
Styrene	**0.65**	< 0.65	< 0.65	**0.69**	**0.95**	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	**0.46** J	< 0.47	< 2.50	< 1.70	**0.14** J	< 5.10	< 0.85
tert-Butyl alcohol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**1.6** J	< 1.20	< 45.00	< 30.00	< 15.00	< 91.00	< 15.00
tert-Butylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 1.1	< 0.60	< 3.30	< 2.20	< 1.10	< 6.60	< 1.10
Tetrachloroethylene	**0.9** J	**1**	< 1.00	**1.7**	< 1.00	**3**	**0.83** J	**3.5**	**3.2**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**0.28** J	< 1.00	< 4.10	< 2.70	**0.28** J	< 8.10	< 1.40
Tetrahydrofuran	**5.3**	**2**	**3.5**	**22**	**6**	< 0.45	**95**	**6.6**	< 0.45	**0.99**	**4.3**	**1.2**	**2.1**	**1.7**	**3.4**	**3.6** J	< 0.86	< 44.00	**5.0** J	**2.7** J	< 88.00	**1.8** J
Toluene	**9.4**	< 0.57	**2.1**	**2.9**	**2.6**	**1**	**0.61**	**0.84**	**1.5**	**1**	**0.92**	**1.3**	**2**	< 0.57	**0.5** J	**5.3**	< 0.53	**0.29** J	**1.2** J	**2.9**	**2.6** J	**0.26** J
trans-1,2-Dichloroethene	< 0.60	< 0.60	< 0.60	**2**	**0.44** J	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	**2.2**	**1.6**	**3.4**	**2.1**	**5.2**	**1.4**	**2.1** J	**1.4** J	**1.2** J	**1.1**	**7.7**	**1.3**
trans-1,3-Dichloropropene	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.91	< 0.68	< 2.70	< 1.80	< 0.91	< 5.40	< 0.91
Trichloroethene	**0.66** J	**0.76** J	< 0.82	**1.1**	**1.5**	< 0.82	< 0.82	**0.76** J	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	**0.26**	**1.7** J	< 0.64	**0.76**	**0.55**	**1.6**	**0.42**
Vinyl acetate	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	NS	NS	NS	NS	NS	NS	NS
Vinyl Bromide	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.87	< 0.83	< 2.60	< 1.70	< 0.87	< 5.20	< 0.87
Vinyl chloride	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.10	< 0.23	< 0.31	**0.47**	< 0.10	< 0.61	< 0.10
Cumulative VOCs (µg/m3)[3,4]	**371.16**	**385.47**	**486.85**	**1123.15**	**266.25**	**19.91**	**595.49**	**152.26**	**416.57**	**215.4**	**602.53**	**380.21**	**803.56**	**469.24**	**498.95**	**318.32**	**872.10**	**795.02**	**316.02**	**197.36**	**1,067.00**	**142.47**
Target VOCs (µg/m3)[5]	**5.96**	**3.16**	**2.4**	**11**	**3.94**	**3**	**0.83**	**4.26**	**3.2**	**0.73**	**4.5**	**2.41**	**5.4**	**3.6**	**7.8**	**3.44**	**3.80**	**3.40**	**4.73**	**3.73**	**21.30**	**3.92**

Notes:

1. Samples analyzed for VOCs using USEPA Method TO-15.
2. Samples shown on this table collected prior to 2011 taken with only SDS-1, SDS-2, and SDS-3 online.
3. Samples shown on this table collected after the end of 2010 taken with SDS-1, SDS-2, SDS-3, SDS-4, SDS-5, SDS-6, and SDS-7 online.
4. Cumulative VOCs calculated using only detected concentrations.
5. Target VOCs calculated using only detected concentrations of the following compounds: 1,1-dichloroethene, cis-1,2-dichloroethene, tetrachloroethylene, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride.

-**BOLD** indicates a detected compound.

Definitions:

< - less than reporting limit listed
J - Indicates that the result was less than the RL, but greater than or equal to the MDL and the concentration is an estimate.
B - Indicates that the compound was also identified in the method blank and sample.
U - Indicates that compound was analyzed for but was not detected.
NS - Not Sampled For
Q - data qualifier
µg/m^3 - micrograms per cubic meter
VOC - Volatile Organic Compounds

Table 12. Combined Effluent Air Sample Analytical Results, Former Lockheed Martin French Road Facility, Utica, New York

Sample Location	Combined Effluent[2]												Combined Effluent[3]																	
Date	7/17/2008	8/13/2008	9/11/2008	10/10/2008	4/7/2009	7/1/2009	10/9/2009	1/21/2010	4/7/2010	7/8/2010	10/6/2010	1/7/2011	3/8/2011	4/4/2011	7/6/2011	10/22/2011	1/11/2012	4/3/2012	7/11/2012	10/17/2012	1/15/2013	4/23/2013	7/11/2013	10/23/2013	2/7/2014	4/4/2014	7/10/2014	10/9/2014
Volatile Organic Compounds[1]	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q	Result (µg/m3) Q
1,1,1-Trichloroethane	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	**1.2**	< 0.83	< 0.83	**1.1**	< 0.83	< 0.83	< 0.83	**0.83**	**0.46** J	< 1.10	< 3.30	**3.4**	**2.7**	**0.31** J	**0.59** J
1,1,2,2-Tetrachloroethane	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.4	< 0.76	< 4.10	< 3.40	< 1.40	< 1.40	< 1.40
1,1,2-Trichloroethane	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 1.1	< 0.87	< 3.30	< 2.70	< 1.10	< 1.10	< 1.10
1,1-Dichloroethane	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	**1.9**	**0.95**	< 0.62	**0.49** J	**1.1**	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	**1.5**	**0.41** J	< 0.62	< 0.62	**2.8**	**0.93**	< 0.93	**0.57** J	**0.68** J	**0.73** J	**0.43** J	**0.54** J
1,1-Dichloroethene	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.79	< 3.40	< 2.40	< 2.00	< 0.79	< 0.79	< 0.79
1,2,4-Trichlorobenzene	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 3.7	< 2.20	< 11.00	< 9.30	< 3.70	< 3.70	< 3.70
1,2,4-Trimethylbenzene	**1.7**	**1.1**	**0.8**	< 0.75	< 0.75	**5.8**	**5.2**	< 0.75	**43**	**3.7**	**9.5**	**0.7** J	**0.75**	< 0.75	**1**	< 0.75	< 0.75	< 0.75	**1.3**	< 0.75	**0.8**	**0.94** J	< 1.00	< 2.90	< 2.50	**0.15** J	**2.0**	**0.29** J
1,2-Dibromoethane	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.5	< 1.10	< 4.60	< 3.80	< 1.50	< 1.50	< 1.50
1,2-Dichlorobenzene	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 1.2	< 1.60	< 3.60	< 3.00	< 1.20	< 1.20	< 1.20
1,2-Dichloroethane	**0.62**	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.81	< 0.73	< 2.40	< 2.00	< 0.81	< 0.81	< 0.81
1,2-Dichloropropane	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.92	< 1.10	< 2.80	< 2.30	< 0.92	< 0.92	< 0.92
1,3,5-Trimethylbenzene	**1.2**	< 0.75	< 0.75	< 0.75	< 0.75	**1**	**1.1**	< 0.75	**9.5**	**1.4**	**3**	< 0.75	< 0.75	< 0.75	**0.7** J	< 0.75	< 0.75	< 0.75	**0.5** J	< 0.75	< 0.75	**0.47** J	< 0.93	< 2.90	< 2.50	**0.072** J	**0.57** J	< 0.98
1,3-butadiene	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	**0.12** J	< 0.55	< 1.30	< 1.10	< 0.44	< 0.44	< 0.44
1,3-Dichlorobenzene	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 1.2	< 1.10	< 3.60	< 3.00	< 1.20	**0.95** BJ	< 1.20
1,4-Dichlorobenzene	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	**3**	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	**0.33** J	< 1.10	< 3.60	< 3.00	< 1.20	**0.16** BJ	< 1.20
1,4-Dioxane	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	**2.3**	**1.8**	<1.1	< 1.10	< 1.10	< 1.10	< 1.10	< 18	< 2.50	**1.2** J	< 45.00	< 18.00	< 18.00	< 18.00
2-Chlorotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 1.0	< 0.70	< 3.10	< 2.60	< 1.00	**0.088** J	< 1.00
2,2,4-trimethylpentane	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	**0.47** J	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	**0.78** J	**0.78** J	< 0.67	< 2.80	< 2.30	< 0.93	< 0.93	< 0.93
4-ethyltoluene	**0.6** J	< 0.75	< 0.75	< 0.75	< 0.75	**1.9**	**1.5**	< 0.75	**15**	**0.55** J	**2.7**	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	**0.41** J	< 0.74	< 2.90	< 2.50	< 0.98	**0.43** J	< 0.98
4-Isopropyltoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 1.5	< 1.10	< 3.30	< 2.70	< 1.10	< 1.10	< 1.10
Acetone	**21** J	**3.2**	**3.5**	**1.9**	**2.4**	**4.4**	**29**	**110**	**11**	**28**	**18**	**13**	**54** J	< 0.72	**49**	**12**	<0.72	< 0.72	< 0.72	**16**	< 0.72	**37**	**26** J	**12** J B	< 30.00	**16**	**6.6** J	< 12.00
Allyl chloride	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 1.6	< 1.50	< 4.70	< 3.90	< 1.60	< 1.60	< 1.60
Benzene	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	**0.39** J	**0.71**	< 0.49	< 0.49	< 0.49	< 0.49	**1.1**	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	**0.45** J	< 0.49	< 0.49	**1.8**	< 0.58	< 1.90	< 1.60	< 0.64	**0.082** J	**0.29** J
Benzyl chloride	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 1.0	< 1.10	< 3.10	< 2.60	< 1.00	< 1.00	< 1.00
Bromodichloromethane	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.3	< 0.80	< 4.00	< 3.40	< 1.30	< 1.30	< 1.30
Bromoform	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 2.1	< 0.74	< 6.20	< 5.20	< 2.10	< 2.10	< 2.10
Bromomethane	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.78	< 1.00	< 2.30	< 1.90	< 0.78	< 0.78	< 0.78
Carbon disulfide	**0.98**	**1.5**	**0.79**	**0.89**	**1**	**1.2**	**4.4**	**0.44** J	**1.2**	**0.51**	**2.7**	< 0.47	< 0.47	< 0.47	**0.41** J	< 0.47	**0.44** J	< 0.47	**0.54**	< 0.47	< 0.47	**0.26** J	**2.3** J	< 4.70	< 3.90	< 1.60	< 1.60	< 1.60
Carbon tetrachloride	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.25	< 0.82	< 0.75	**0.48** J	**0.37**	< 0.25	**0.58**
Chlorobenzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	**0.12** J	< 0.60	< 2.80	< 2.30	< 0.92	**0.043** J	< 0.92
Chloroethane	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	**0.56** J	< 0.87	< 3.90	< 3.30	< 1.30	< 1.30	< 1.30
Chloroform	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	**0.5** J	**1.5**	**3.7**	**1.6**	**2.1**	**2.6**	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	**10**	**2.4**	**1.6**	**2.3**	**5.9**	**3.6**	< 1.20	**2.2** J	**10**	**11**	**4.5**	**6.4**
Chloromethane	< 0.31	**0.42**	< 0.31	< 0.31	**0.48**	**0.73**	**0.82**	**0.52**	**0.57**	< 0.31	< 0.31	**0.92**	**0.4**	**0.59**	< 0.31	< 0.31	< 0.31	**0.69**	< 0.31	< 0.31	< 0.31	**1.3**	< 0.70	**0.95** J	< 2.60	**0.60** J	**0.78** J	< 1.00
cis-1,2-Dichloroethene	< 0.60	< 0.60	< 0.60	**0.69**	< 0.60	< 0.60	**1.2**	**2**	**1.5**	**2.5**	**2.2**	< 0.60	< 0.60	< 0.60	< 0.60	**0.56** J	<60	< 0.60	< 0.60	< 0.60	**1.9**	**1.5**	< 3.30	< 2.40	**2.2**	**2.8**	**1.9**	**1.7**
cis-1,3-Dichloropropene	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.91	< 0.59	< 2.70	< 2.30	< 0.91	< 0.91	< 0.91
Cyclohexane	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	**3.7**	< 0.52	< 0.52	< 0.52	< 0.52	**0.73**	< 0.52	< 0.52	**6.8**	**0.52**	< 0.52	< 0.52	< 0.52	**2.7**	< 0.65	< 2.10	**3.2**	**3.3**	**0.35** J	**1.2**
Dibromochloromethane	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.30	< 1.7	< 0.94	< 5.10	< 4.30	< 1.70	< 1.70	< 1.70
Ethyl acetate	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	**1.2**	< 0.66	< 0.66	< 0.66	< 0.66	**1.7**	**2.6**	< 0.66	**5.1**	< 0.66	**3.8**	**1.1**	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	**0.88**	**0.84**	**0.44** J	**7.6**	< 0.65	< 2.60	< 2.20	**0.21** J	**0.73** J	**0.38** J
Freon 11	< 0.86	**0.69**	< 0.86	< 0.86	**2.3**	**42**	**6.4**	**6.6**	**22**	**51**	**9.2**	**2**	**46**	**49**	**44**	**120**	**160**	**130**	**210**	**270**	**47**	**31**	**170**	**510**	**7.2**	**15**	**19**	**5.6**
Freon 113	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	**1.7**	< 1.20	< 1.20	< 1.20	< 1.20	**1.2**	**2.6**	< 1.20	**2**	**3.7**	**1.2**	< 1.20	**1.9**	**3.7**	**1.4** J	< 1.50	**0.96** J	**1.6** J	**2.0**	< 1.50	**2.8**
Freon 114	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10	**5.5**	< 1.10	< 1.10	**0.28** J	< 1.40	< 4.20	< 3.50	< 1.40	**0.96** J	< 1.40
Freon 12	**6.7**	**15**	**13**	**19**	**9**	**25**	**34**	**11**	**9.8**	**23**	**25**	**2.7**	**3.5**	**4.6**	**15**	**9.6**	**12**	**6.7**	**10**	**18**	**8.7**	**6.5**	**6** J	**9.5**	**4.8** J	**4.6**	**7.0**	**6.2**
Freon 22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**4.8**	< 0.81	**1.7** J	**2.8** J	**2.7**	**2.7**	**2.1**
Heptane	< 0.62	< 0.62	**3.5**	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	**0.79**	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	**1.9**	< 0.70	< 2.50	< 2.00	< 0.82	< 0.82	**1.3**
Hexachloro-1,3-butadiene	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 1.60	< 2.1	< 3.10	< 6.40	< 5.30	< 2.10	< 2.10	< 2.10
Hexane	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	**2.6**	< 0.54	< 0.54	< 0.54	**0.54**	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	**1.7**	< 0.70	< 2.10	**1.1** J	< 0.70	< 0.70	**0.78**
Isopropyl alcohol	< 0.37	< 0.37	**2.3**	< 0.37	**8.5**	**29**	**360**	**320**	**150**	**210**	**210**	**2.6**	**3.8**	< 0.37	< 0.37	< 0.37	**6.3**	**20**	**24**	**17**	**40**	**66**	**29** J	**41**	**160**	**170** E	**69**	**58**
m&p-Xylene	**2.2**	**0.71** J	< 1.30	< 1.30	< 1.30	**6**	**9.1**	< 1.30	**15**	**1.1** J	**11** J	**2.9**	**1** J	< 1.30	**0.79** J	< 1.30	**2.1**	**0.62** J	**3**	**2.6**	**1.9**	**7.1**	< 0.96	< 6.50	**1.1** J	**0.79** J	**2.6**	**0.93** J
Methyl Butyl Ketone	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	**1.1** J	< 1.60	< 6.10	< 5.10	< 2.00	< 2.00	< 2.00
Methyl Ethyl Ketone	**32** J	**4.3**	**1.4**	**1**	< 0.90	**1**	**6**	**0.66** J	**1.9**	**22**	**1.5**	**2**	**61**	**0.57** J	**6.3**	**1.9**	<0.90	< 0.90	< 0.90	< 0.90	< 0.90	**15**	< 0.74	**1.4** J	< 3.70	**0.98** J	**1.2** J	< 1.50
Methyl Isobutyl Ketone	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	**1.7**	< 1.20	< 1.20	< 1.20	**0.79** J	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	**0.43** J	< 1.40	< 6.10	< 5.10	**0.18** J	**1.9** J	< 2.00
Methyl methacrylate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2.0	< 0.66	< 6.10	< 5.10	< 2.00	< 2.00	< 2.00
Methyl tert-butyl ether	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.72	< 0.54	< 2.20	< 1.80	< 0.72	< 0.72	< 0.72
Methylene chloride	**0.46**	**17**	**46**	**54**	**32**	**340**	**130**	**61**	**56**	**230**	**33**	**0.6**	**69**	**64**	**340**	**210**	**250**	**170**	**340**	**130**	**160**	**130** B	**150** B	**87** B	**85**	**80**	**82**	**36**
Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2.6	< 2.00	< 7.80 U	< 6.60	< 2.60	< 2.60	< 2.60
n-Butane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**16**	< 0.52	**2.6** J	**23**	**3.4**	**7.7**	**9.2**
n-Butylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 1.1	< 1.20	< 3.30	< 2.70	< 1.10	< 1.10	< 1.10
n-Propylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0.33** J	< 0.64	< 2.90	< 2.50	< 0.98	< 0.98	< 0.98
o-Xylene	**0.88**	< 0.66	< 0.66	< 0.66	< 0.66	**1.7**	**2.5**	< 0.66	**9.7**	**0.44** J	**7.4**	**0.75**	< 0.66	< 0.66	< 0.66	< 0.66	**0.49** J	< 0.66	**1**	**0.49** J	**0.57** J	**2**	< 0.82	< 2.60	**0.47** J	**0.25** J	**1.0**	**0.29** J
Propylene	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NS	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 1.1	< 0.47	< 3.30	< 2.70	< 1.10	< 1.10	< 1.10
Styrene	**1**	< 0.65	< 0.65	< 0.65	< 0.65	**0.69**	**0.78**	< 0.65	**0.74**	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	**0.56** J	< 1.20	< 2.50	< 2.10	< 0.85	< 0.85	< 0.85
tert-Butyl alcohol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2** J	< 0.60	< 45.00	< 38.00	< 15.00	< 15.00	< 15.00
tert-Butylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 1.1	**2.5** J	< 3.30	< 2.70	< 1.10	**0.28** J	< 1.10
Tetrachloroethylene	**0.83** J	< 1.00	< 1.00	< 1.00	< 1.00	**0.76** J	**0.97** J	**0.76** J	**1.1**	**1.4**	< 1.00	**2.5**	< 1.00	< 1.00	**0.69** J	**0.83** J	<1.0	< 1.00	< 1.00	**1.7**	< 1.00	**0.49** J	< 0.86	< 4.10	**0.74** J	**0.67** J	**0.12** J	< 1.40
Tetrahydrofuran	**240**	**4.9**	**1.9**	< 0.45	**6**	**6**	**21**	**6.6**	**2.6**	**25**	< 0.45	**3.6**	**70**	**3.4**	**2**	**1.1**	<0.45	**0.93**	< 0.45	< 0.45	**2.2**	**4.7** J	**4.6** J	< 44.00	**5.7** J	**6.8** J	**2.5** J	**1.9** J
Toluene	**2.6**	**0.88**	< 0.57	**1.1**	**0.38** J	**5.9**	**9.2** J	**0.42** J	**3**	**1.5**	**5.8**	**1.9**	**0.57**	< 0.57	**0.69**	**0.84**	**0.5** J	**0.57**	**6**	**0.57**	**0.42** J	**13**	< 0.91	**0.95** J	**0.94** J	**1.3**	**0.52** J	**0.42** J
trans-1,2-Dichloroethene	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	**0.89**	< 0.60	< 0.60	< 0.60	**3.1**	**1.6**	< 0.68	**1.3** J	**1.5** J	**1.9**	**1.9**	**1.4**
trans-1,3-Dichloropropene	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.91	**3.7**	< 2.70	< 2.30	< 0.91	**0.46** J	< 0.91
Trichloroethene	**0.87**	< 0.82	**1**	**2.2**	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	**0.87**	**0.87**	< 0.82	< 0.82	**1**	< 0.82	**0.55** J	<0.54	< 0.82	< 0.82	< 0.82	< 0.82	**0.23**	< 0.83	< 0.64	< 0.54	< 0.21	< 0.21	< 0.21
Vinyl acetate	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	NS	NS	NS	NS	NS	NS	NS
Vinyl Bromide	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.87	< 0.23	< 2.60	< 2.20	< 0.87	< 0.87	< 0.87
Vinyl chloride	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	**0.24**	< 0.69	< 0.31	< 0.26	< 0.10	< 0.10	< 0.10
Cumulative VOCs (µg/m3)[4]	**314.84**	**49.7**	**74.19**	**80.78**	**62.06**	**478.67**	**632.48**	**526.35**	**364.8**	**605.56**	**351.61**	**38.84**	**311.22**	**127.69**	**463.67**	**361.18**	**455.82**	**334.04**	**604.77**	**461.4**	**280.26**	**369.24**	**394.10**	**673.33**	**315.91**	**328.50**	**220.76**	**138.89**
Target VOCs (µg/m3)[5]	**1.7**	**0**	**1**	**2.89**	**0**	**0.76**	**2.17**	**2.76**	**2.6**	**4.77**	**3.07**	**2.5**	**0**	**1**	**0.69**	**1.94**	**0.89**	**0**	**0**	**1.7**	**5**	**4.06**	**0**	**1.3**	**4.44**	**5.37**	**3.92**	**3.10**

Notes:
1. Samples analyzed for VOCs using USEPA Method TO-15.
2. Samples shown on this table collected prior to 2011 taken with only SDS-1, SDS-2, and SDS-3 online.
3. Samples shown on this table collected after the end of 2010 taken with SDS-1, SDS-2, SDS-3, SDS-4, SDS-5, SDS-6, and SDS-7 online.
4. Cumulative VOCs calculated using only detected concentrations.
5. Target VOCs calculated using only detected concentrations of the following compounds: 1,1-dichloroethene, cis-1,2-dichloroethene, tetrachloroethylene, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride.
-**BOLD** indicates a detected compound.

Definitions:
< - less than reporting limit listed
J - Indicates that the result was less than the RL, but greater than or equal to the MDL and the concentration is an estimate.
B - Indicates that the compound was also identified in the method blank and sample.
U - Indicates that compound was analyzed for but was not detected.
NS - Not Sampled For
Q - data qualifier
µg/m^3 - micrograms per cubic meter
VOC - Volatile Organic Compounds

Table 13. Sub-Slab Depressurization System Cumulative Mass Removed, Former Lockheed Martin French Road Facility, Utica, New York

Date	SDS-1			SDS-2			SDS-3			SDS-4			SDS-5			SDS-6			SDS-7			SDS-8		
	Cumulative Target VOCs ($\mu g/m^3$)[1]	Flow Rate (scfm)[2]	Target VOC Mass Removal Rate (g/day)	Cumulative Target VOCs ($\mu g/m^3$)[1]	Flow Rate (scfm)[2]	Target VOC Mass Removal Rate (g/day)	Cumulative Target VOCs ($\mu g/m^3$)[1]	Flow Rate (scfm)[2]	Target VOC Mass Removal Rate (g/day)	Cumulative Target VOCs ($\mu g/m^3$)[1]	Flow Rate (scfm)[2]	Target VOC Mass Removal Rate (g/day)	Cumulative Target VOCs ($\mu g/m^3$)[1]	Flow Rate (scfm)[2]	Target VOC Mass Removal Rate (g/day)	Cumulative Target VOCs ($\mu g/m^3$)[1]	Flow Rate (scfm)[2]	Target VOC Mass Removal Rate (g/day)	Cumulative Target VOCs ($\mu g/m^3$)[1]	Flow Rate (scfm)[2]	Target VOC Mass Removal Rate (g/day)	Cumulative Target VOCs ($\mu g/m^3$)[1]	Flow Rate (scfm)[2]	Target VOC Mass Removal Rate (g/day)
07/17/08	16612.00	14	9.482	147.00	42	0.252	259.30	46	0.486	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08/13/08	871.93	10	0.355	45.00	12	0.022	40.70	33	0.055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/11/08	3440.00	12	1.683	87.40	13	0.046	138.70	53	0.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/10/08	7129.60	10	2.907	111.00	15	0.068	78.78	56	0.180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04/07/09	1633.90	14	0.933	646.10	24	0.632	73.50	53	0.159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07/01/09	2239.60	8	0.730	1093.60	28	1.248	127.70	54	0.281	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/9/2009[7]	4029.60	10	1.643	493.10	32	0.643	124.60	57	0.290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/31/2009[8]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01/21/10	2432.20	11	1.091	464.80	31	0.587	63.00	51	0.131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04/07/10	-	15	-	-	36	-	-	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/8/2010	1922.50	10	0.784	614.50	24	0.601	111.20	52	0.236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/6/2010	-	12	-	-	26	-	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/31/2010[8][9]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/7/2011	290.20	5.4	0.064	480.90	8.5	0.167	128.10	15.3	0.080	221.10	44.9	0.405	80.99	7.9	0.026	9.30	5.7	0.002	76.81	4.1	0.013	-	-	-
3/8/2011	4.60	8.6	0.002	193.00	5.7	0.045	45.81	25.9	0.048	269.30	21.1	0.232	51.71	12.0	0.025	13.10	5.2	0.003	52.22	3.9	0.008	-	-	-
4/4/2011	1182.30	8.7	0.419	278.48	4.2	0.048	65.90	18.5	0.050	217.00	24.1	0.213	54.40	11.5	0.026	23.40	6.2	0.006	27.07	3.9	0.004	-	-	-
7/6/2011	3481.70	15.7	2.229	139.87	6.5	0.037	151.60	29	0.179	730.54	38.7	1.153	99.80	18.0	0.073	57.00	12.1	0.028	71.73	8.1	0.024	-	-	-
10/12/2011	1672.50	7.2	0.491	239.56	4	0.039	73.70	14.2	0.043	322.20	18.9	0.248	72.30	8.7	0.026	61.00	5.1	0.013	46.01	3.9	0.007	-	-	-
12/31/2011[8]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/11/2012	2017.40	9.5	0.781	358.00	5.1	0.075	95.10	12.5	0.048	311.40	27.0	0.342	82.00	12.3	0.041	57.00	5.7	0.013	83.37	4.1	0.014	-	-	-
4/3/2012	1686.20	7.7	0.527	260.30	5.4	0.058	82.50	14.1	0.047	280.80	22.2	0.254	47.00	10.1	0.019	18.20	6.1	0.005	52.00	4.3	0.009	-	-	-
7/11/2012	3015.00	9.7	1.187	149.48	7.1	0.043	110.00	17.9	0.080	198.70	28.8	0.234	70.00	14.0	0.040	31.00	5.8	0.007	53.85	4.0	0.009	-	-	-
10/17/2012	5908.00	7.7	1.855	264.00	5.3	0.057	60.00	13.7	0.034	532.90	28.6	0.621	64.90	9.6	0.025	20.80	6.0	0.005	40.89	3.8	0.006	-	-	-
1/15/2013	2584.80	8.8	0.926	136.50	6.4	0.036	58.20	16.4	0.039	212.30	36.1	0.312	52.25	13.5	0.029	31.00	6.5	0.008	46.48	3.6	0.007	-	-	-
4/23/2013	1461.50	6.6	0.391	129.00	4.8	0.025	54.00	10.9	0.024	233.65	26.0	0.248	41.70	10.0	0.017	44.60	5.4	0.010	60.50	3.8	0.009	-	-	-
7/11/2013	1612.00	7.4	0.486	114.00	5.6	0.026	39.00	13.2	0.021	164.00	28.3	0.189	30.00	10.0	0.012	50.00	4.8	0.010	31.70	3.8	0.005	-	-	-
10/23/2013	2388.00	9.3	0.905	90.00	7.5	0.028	64.20	16.9	0.044	252.19	39.9	0.410	41.00	15.9	0.027	37.00	7.2	0.011	11.60	4.5	0.002	90.60	29.0	0.107
12/31/2013[11]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/7/2014	1249.00	6.4	0.324	93.00	7.3	0.028	54.10	17.1	0.038	258.50	36.6	0.385	21.60	12.1	0.011	22.30	4.3	0.004	5.60	4.6	0.001	81.60	21.9	0.073
4/4/2014	699.60	9.8	0.280	70.71	9.4	0.027	36.68	21.3	0.032	153.00	46.9	0.293	23.42	17.5	0.017	19.80	9.1	0.007	10.23	5.4	0.002	76.30	26.5	0.082
7/10/2014	1367.70	8.7	0.488	85.00	8.6	0.030	57.67	19.5	0.046	197.31	39.7	0.320	21.80	14.6	0.013	21.00	6.9	0.006	5.74	4.5	0.001	101.62	21.67	0.090
10/9/2014	1250.00	7.4	0.378	71.00	6.2	0.018	9.45	16.4	0.006	203.90	41.0	0.341	14.00	13.0	0.007	7.80	6.1	0.002	3.90	4.7	0.001	60.90	20.66	0.051

Table 13. Sub-Slab Depressurization System Cumulative Mass Removed, Former Lockheed Martin French Road Facility, Utica, New York

Date	Total Target VOC Mass Removal Rate Per Reporting Period (g/day)[3]	Days in Reporting Period	Target VOC Mass Removed Per Reporting Period (lb)[4]	Cumulative Target VOC Mass Removed (lb)[5]	Combined Influent[10]			Mid-Carbon			Combined Effluent			Target VOC Mass Emitted Per Reporting Period (lb)[6]	Cumulative Target VOC Mass Emitted (lb)[5]	Target VOC Mass Adsorption Rates			
					Cumulative Target VOCs ($\mu g/m^3$)[1]	Flow Rate (scfm)	Target VOC Mass Per Day (g/day)	Cumulative Target VOCs ($\mu g/m^3$)[1]	Flow Rate (scfm)	Target VOC Mass Per Day (g/day)	Cumulative Target VOCs ($\mu g/m^3$)[1]	Flow Rate (scfm)[2]	Target VOC Emission Rate (g/day)			Percentage Adsorbed by Lead Carbon Per Reporting Period (%)	Percentage Adsorbed by 2nd Carbon Per Reporting Period (%)	Cumulative Target VOC Mass Adsorbed By Carbon (lb)	Percentage Adsorbed by Both Carbons Per Reporting Period (%)
07/17/08	10.220	1	0.023	0.023	-	-	-	-	-	-	1.700	102	0.007	0.000	0.000	-	-	0.023	99.93
08/13/08	0.432	27	0.317	0.340	-	-	-	-	-	-	0.000	55	0.000	0.000	0.000	-	-	0.339	100.00
09/11/08	2.029	29	0.079	0.418	-	-	-	-	-	-	1.000	78	0.003	0.000	0.000	-	-	0.418	99.84
10/10/08	3.154	29	0.166	0.584	-	-	-	-	-	-	2.890	81	0.010	0.000	0.001	-	-	0.583	99.70
04/07/09	1.724	179	0.963	1.546	-	-	-	-	-	-	0.000	91	0.000	0.002	0.003	-	-	1.544	100.00
07/01/09	2.260	85	0.373	1.920	-	-	-	-	-	-	0.760	90	0.003	0.000	0.003	-	-	1.917	99.88
10/9/2009[7]	2.576	100	0.533	2.453	-	-	-	371.160	99	1.498	2.170	99	0.009	0.001	0.004	41.84	99.42	2.449	99.66
12/31/2009[8]	2.192	83	0.436	2.889	-	-	-		-	-	-	-	0.010	0.002	0.006	-	-	2.883	99.56
01/21/10	1.809	21	0.102	2.990	267.700	93	1.015	3.160	93	0.012	2.760	93	0.010	0.000	0.006	99.34	12.66	2.984	99.42
04/07/10	0.786	76	0.217	3.208	162.000	119	0.786	2.400	119	0.012	2.600	119	0.013	0.002	0.008	98.52	-8.33	3.200	98.40
7/8/2010	1.621	92	0.244	3.452	283.14	86	0.993	11	86	0.039	4.77	86	0.017	0.003	0.011	97.62	56.64	3.441	98.97
10/6/2010	1.429	90	0.303	3.755	393.90	89	1.429	3.94	89	0.014	3.07	89	0.011	0.003	0.014	99.00	22.08	3.741	99.22
12/31/2010[8][9]	1.093	86	0.239	3.994	-	-	-	-	-	-	-	-	0.010	0.002	0.016	-	-	3.978	99.06
1/7/2011	0.756	7	0.017	4.011	-	-	-	3	92	0.011	2.5	92	0.009	0.000	0.016	98.52	16.67	3.994	98.76
3/8/2011	0.363	60	0.074	4.085	-	-	-	0.83	82	0.003	0	82	0.000	0.001	0.017	99.23	100.00	4.068	100.00
4/4/2011	0.766	27	0.034	4.118	-	-	-	4.26	77	0.013	1	77	0.003	0.000	0.017	98.25	76.53	4.101	99.59
7/6/2011	3.723	93	0.460	4.578	-	-	-	3.20	128	0.017	0.69	128	0.004	0.001	0.018	99.55	78.44	4.561	99.90
10/12/2011	0.867	98	0.496	5.074	-	-	-	0.73	62	0.002	1.94	62	0.005	0.001	0.018	99.79	-165.75	5.056	99.43
12/31/2011[8]	1.091	80	0.192	5.266	-	-	-	-	-	-	-	-	0.004	0.001	0.019	-	-	5.247	99.65
1/11/2012	1.315	11	0.026	5.293	-	-	-	4.50	76	0.014	0.89	76	0.003	0.000	0.019	98.94	80.22	5.274	99.79
4/3/2012	0.919	83	0.204	5.497	-	-	-	2.41	70	0.007	0	70	0.000	0.000	0.019	99.25	100.00	5.478	100.00
7/11/2012	1.600	99	0.275	5.772	-	-	-	5.40	87	0.019	0	87	0.000	0.000	0.019	98.80	100.00	5.752	100.00
10/17/2012	2.603	98	0.454	6.226	-	-	-	3.60	75	0.011	1.7	75	0.005	0.001	0.020	99.58	52.78	6.206	99.80
1/15/2013	1.357	15	0.065	6.291	-	-	-	7.80	91	0.029	5	91	0.019	0.000	0.020	97.86	35.90	6.271	98.63
4/23/2013	0.725	98	0.225	6.516	-	-	-	3.44	68	0.009	4.06	68	0.011	0.003	0.024	98.69	-18.02	6.493	98.46
7/11/2013	0.750	79	0.128	6.645	-	-	-	3.80	73	0.011	0.00	73	0.000	0.001	0.025	98.49	100.00	6.620	100.00
10/23/2013	1.534	104	0.262	6.906	-	-	-	3.40	130	0.018	1.30	130	0.007	0.001	0.025	98.82	61.76	6.881	99.55
12/31/2013[11]	1.091	69	0.166	7.072	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/7/2014	0.862	91	0.173	7.245	-	-	-	4.73	110	0.021	4.44	110	0.020	0.003	0.028	97.54	6.13	7.217	97.69
4/4/2014	0.740	101	0.165	7.410	-	-	-	3.73	146	0.022	5.37	146	0.032	0.006	0.034	97.01	-43.97	7.376	95.69
7/10/2014	0.992	82	0.179	7.590	-	-	-	21.30	124	0.108	3.92	124	0.020	0.005	0.039	89.13	81.60	7.551	98.00
10/9/2014	0.804	91	0.161	7.751	-	-	-	3.92	115	0.018	3.10	115	0.015	0.003	0.042	97.71	20.92	7.709	98.19

Table 13. Sub-Slab Depressurization System Cumulative Mass Removed, Former Lockheed Martin French Road Facility, Utica, New York

Target VOC Removed (lb)[4]	
Fourth Quarter - 2013	0.43
2013 Total	0.85
First Quarter - 2014	0.17
Second Quarter - 2014	0.16
Third Quarter - 2014	0.18
Fourth Quarter - 2014	0.16
2014 Total (YTD)	0.68
Cumulative Since Startup	7.75

Notes:

1. Cumulative target VOC concentrations calculated using only detected concentrations of the following compounds: 1,1-dichloroethene, cis-1,2-dichloroethene, tetrachloroethylene, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride.

2. Following the start of 2011, flowrates from each depressurization sump were estimated by measuring differential pressure at each individual sump's orifice plate. The sump flowrates were adjusted proportionally to one another so that their sum equals a cumulative influent flowrate as measured using an anemometer. Prior to the start of 2011, combined effluent flow rates estimated based on the differential pressure transmitter located between the blower and the carbon. Note that flow rates for SDS-1, SDS-2, and SDS-3 have been estimated based on adjusting them so that the sum of the SDS-1, SDS-2, and SDS-3 flow rates equal the flow rate measured by the differential pressure transmitter. SDS-1, SDS-2, and SDS-3 flow rates were adjusted by maintaining the same proportions observed by air velocities measured in the field at each location. All flow rates have been converted from acfm to scfm for this table.

3. Total target VOC mass removal rate was calculated using the sum of the target VOC mass removal rates for SDS-1, SDS-2, and SDS-3 through 2010. If individual samples were not collected from each SDS, then total mass removal rate is calculated using combined influent sample concentrations. Beginning in 2011 the total target VOC mass removal rate is calculated using the sum of the target VOC mass removal rates for SDS-1 through SDS-7.

4. Target VOC mass removed per reporting period calculated using an average of the current mass removal rate and the mass removal rate from the previous reporting period. Reporting period length used for mass removed calculation is the time elapsed since the previous reading.

5. Cumulative VOC mass removed and mass emitted estimates date back to 7/17/08, when SDS-3 was brought online.

6. Target VOC mass emitted per reporting period calculated using an average of the current mass emission rate and the mass emission rate from the previous reporting period. Reporting period length used for mass emitted calculation is the time elapsed since the previous reading.

7. SDS-1 vapor sample results from 10/9/09 not used in this table due to sampling procedure error. Results from the resampling of SDS-1 on 11/5/09 have been used for this table.

8. Vapor samples were not collected on 12/31/09, 12/31/10, 12/31/11, and 12/31/12. Total target VOC mass removal and target VOC emission rates were estimated for 12/31/09, 12/31/10, 12/31/11, and 12/31/12 by averaging the VOC removal and VOC emission rates from the previous and following sampling events, respectively.

9. It should be noted that samples from 1/7/11, which have been used to estimate mass removal and emission rates for 12/31/10, were collected while the upgraded system was in use and with all seven depressurization sumps online. The combined effluent flowrate used to calculate mass emission rate was the sum of the flowrates measured in the field from SDS-1, SDS-2, and SDS-3. The combined effluent VOC concentration used to calculate mass emission rate was based off of an effluent vapor sample collected with SDS-1 through SDS-7 online. It should also be noted that from 11/11/10 to 1/3/11, the system was typically offline for approximately 8 hours per work day. This has not been accounted for in mass removal or emission estimates.

10. Combined influent vapor samples are not collected, influent mass is tracked only from individual SDS points.

11. The total VOC removal (lbs) was estimated for the period from 10/23/13 and 12/31/13 using the average VOC concentrations and flowrate.

Definitions:

g/day - grams per day
lb - pounds
scfm - standard cubic feet per minute
$\mu g/m^3$ - micrograms per cubic meter
VOC - Volatile Organic Compounds

Table 14. Regulatory Status of Air Emissions, Former Lockheed Martin French Road Facility, Utica, New York

Volatile Organic Compounds[1]	AGC[2] (µg/m^3)	SGC[2] (µg/m^3)	Maximum Effluent Concentration (µg/m^3)[3]	7/17/2008		8/13/2008		9/11/2008		10/10/2008		4/7/2009		7/1/2009		10/9/2009		1/21/2010		4/7/2010		7/8/2010		10/6/2010		1/7/2011		3/8/2011		4/4/2011		7/6/2011		10/22/2011		1/11/2012		4/3/2012	
				Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q
1,1,1-Trichloroethane	5,000	9,000	3.4	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		**1.2**		ND		ND		**1.1**		ND	
1,1-Dichloroethane	0.63	-	2.8	ND		ND		ND		ND		ND		ND		**1.9**		**0.95**		ND		**0.49**	**J**	**1.1**		ND		ND		ND		ND		**1.5**		**0.41**	**J**
1,2,4-Trimethylbenzene	290	-	43	**1.7**		**1.1**		**0.8**		ND		ND		**5.8**		**5.2**		ND		**43**		**3.7**		**9.5**		**0.7**	**J**	**0.75**		ND		**1**		ND		ND		ND	
1,2-Dichloroethane	0.038	-	0.62	**0.62**		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,3,5-Trimethylbenzene	290	-	9.5	**1.2**		ND		ND		ND		ND		**1**		**1.1**		ND		**9.5**		**1.4**		**3**		ND		ND		ND		**0.7**	**J**	ND		ND		ND	
1,3-butadiene	0.033	-	0.12	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	0.09	-	3	ND		ND		ND		ND		ND		**3**		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,4-Dioxane	0.13	3,000	2.3	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		**2.3**		**1.8**		<1.1		ND	
2,2,4-trimethylpentane	3,300	-	0.78	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		**0.47**	**J**	ND		ND		ND		ND		ND		ND	
4-ethyltoluene	-	-	15	**0.6**	**J**	ND		ND		ND		ND		**1.9**		**1.5**		ND		**15**		**0.55**	**J**	**2.7**		ND		ND		ND		ND		ND		ND		ND	
Acetone	28,000	180,000	110	**21**	**J**	**3.2**		**3.5**		**1.9**		**2.4**		**4.4**		**29**		**110**		**11**		**28**		**18**		**13**		**54**	**J**	ND		**49**		**12**		ND		ND	
Benzene	0.13	1,300	1.8	ND		ND		ND		ND		ND		**0.39**	**J**	**0.71**		ND		ND		ND		ND		**1.1**		ND		ND		ND		ND		ND		ND	
Carbon disulfide	700	6,200	4.4	**0.98**		**1.5**		**0.79**		**0.89**		**1**		**1.2**		**4.4**		**0.44**	**J**	**1.2**		**0.51**		**2.7**		ND		ND		ND		**0.41**	**J**	ND		**0.44**	**J**	ND	
Chlorobenzene	110	-	0.12	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chloroethane	10,000	-	0.56	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chloroform	0.043	150	11	ND		ND		ND		ND		ND		**0.5**	**J**	**1.5**		**3.7**		**1.6**		**2.1**		**2.6**		ND		ND		ND		ND		ND		**10**		**2.4**	
Chloromethane	90	22,000	1.3	ND		**0.42**		ND		ND		**0.48**		**0.73**		**0.82**		**0.52**		**0.57**		ND		ND		**0.92**		**0.4**		**0.59**		ND		ND		ND		**0.69**	
cis-1,2-Dichloroethene	63	-	2.8	ND		ND		ND		**0.69**		ND		ND		**1.2**		**2**		**1.5**		**2.5**		**2.2**		ND		ND		ND		ND		**0.56**	**J**	ND		ND	
Cyclohexane	6,000	-	6.8	ND		ND		ND		ND		ND		ND		ND		ND		**3.7**		ND		ND		ND		ND		**0.73**		ND		ND		**6.8**		**0.52**	
Ethylbenzene	1,000	54,000	7.6	**1.2**		ND		ND		ND		ND		**1.7**		**2.6**		ND		**5.1**		ND		**3.8**		**1.1**		ND		ND		ND		ND		ND		ND	
Freon 11	1,000	68,000	510	ND		**0.69**		ND		ND		**2.3**		**42**		**6.4**		**6.6**		**22**		**51**		**9.2**		**2**		**46**		**49**		**44**		**120**		**160**		**130**	
Freon 113	180,000	960,000	3.7	ND		ND		ND		ND		ND		ND		ND		**1.7**		ND		ND		ND		ND		**1.2**		**2.6**		ND		**2**		**3.7**		**1.2**	
Freon 114	17,000	-	5.5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Freon 12	12,000	-	34	**6.7**		**15**		**13**		**19**		**9**		**25**		**34**		**11**		**9.8**		**23**		**25**		**2.7**		**3.5**		**4.6**		**15**		**9.6**		**12**		**6.7**	
Freon 22	50,000	-	4.8	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Heptane	3,900	210,000	3.5	ND		ND		**3.5**		ND		ND		ND		ND		ND		**0.79**		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Hexane	700	-	2.6	ND		ND		ND		ND		ND		ND		**2.6**		ND		ND		ND		**0.54**		ND		ND		ND		ND		ND		ND		ND	
Isopropyl alcohol	7,000	98,000	360	ND		ND		**2.3**		ND		**8.5**		**29**		**360**		**320**		**150**		**210**		**210**		**2.6**		**3.8**		ND		ND		ND		**6.3**		**20**	
m&p-Xylene	100	4,300	15	**2.2**		**0.71**	**J**	ND		ND		ND		**6**		**9.1**		ND		**15**		**1.1**	**J**	**11**	**J**	**2.9**		**1**	**J**	ND		**0.79**	**J**	ND		**2.1**		**0.62**	**J**
Methyl Butyl Ketone	30	4,000	1.1	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Methyl Ethyl Ketone	5,000	13,000	61	**32**	**J**	**4.3**		**1.4**		**1**		ND		**1**		**6**		**0.66**	**J**	**1.9**		**22**		**1.5**		**2**		**61**		**0.57**	**J**	**6.3**		**1.9**		ND		ND	
Methyl Isobutyl Ketone	3,000	31,000	1.9	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		**1.7**		ND		ND		ND		**0.79**	**J**	ND		ND		ND	
Methylene chloride	2.1	14,000	340	**0.46**		**17**		**46**		**54**		**32**		**340**		**130**		**61**		**56**		**230**		**33**		**0.6**		**69**		**64**		**340**		**210**		**250**		**170**	
Naphthalene	3	7,900	0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
n-Butane	57,000	-	23	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
n-Propylbenzene	1,000	54,000	0.33	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
o-Xylene	100	4,300	9.7	**0.88**		ND		ND		ND		ND		**1.7**		**2.5**		ND		**9.7**		**0.44**	**J**	**7.4**		**0.75**		ND		ND		ND		ND		**0.49**	**J**	ND	
Styrene	1,000	17,000	1	**1**		ND		ND		ND		ND		**0.69**		**0.78**		ND		**0.74**		ND		ND		ND		ND		ND		ND		ND		ND		ND	
tert-Butyl alcohol	720	-	2	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Tetrachloroethylene	1	1,000	2.5	**0.83**	**J**	ND		ND		ND		ND		**0.76**	**J**	**0.97**	**J**	**0.76**	**J**	**1.1**		**1**		ND		**2.5**		ND		ND		**0.69**	**J**	**0.83**	**J**	ND		ND	
Tetrahydrofuran	350	30,000	240	**240**		**4.9**		**1.9**		ND		**6**		**6**		**21**		**6.6**		**2.6**		**25**		ND		**3.6**		**70**		**3.4**		**2**		**1.1**		ND		**0.93**	
Toluene	5,000	37,000	13	**2.6**		**0.88**		ND		**1.1**		**0.38**	**J**	**5.9**		**9.2**	**J**	**0.42**	**J**	**3**		**1.5**		**5.8**		**1.9**		**0.57**		ND		**0.69**		**0.84**		**0.5**	**J**	**0.57**	
trans-1,2-Dichloroethene	63	-	3.1	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		**0.89**		ND	
Trichloroethene	0.5	14,000	3.7	**0.87**		ND		**1**		**2.2**		ND		ND		ND		ND		ND		**0.87**		**0.87**		ND		ND		**1**		ND		**0.55**	**J**	ND		ND	
Vinyl chloride	0.1	180,000	0.24	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	

Notes:

1. Volatile organic compounds shown are only those detected in combined effluent samples from 7/17/08 to 4/24/13.
2. AGC and SGC values obtained from NYSDEC DAR-1 AGC/SGC Tables, dated 9/10/07.
3. Concentrations shown for each volatile organic compound are the maximum concentrations detected between 7/17/08 and 4/24/13.
4. Maximum emission rate calculated using the maximum concentrations for each volatile organic compound and the average combined effluent flow rate (80 scfm) recorded during 2011 and 2012.
5. Actual annual impact calculated by following procedures described in NYSDEC DAR-1 Guidelines for the Control of Toxic Ambient Air Contaminants (NYSDEC 1991). Note effective stack height of 28.5 feet.
6. Maximum emission rate calculated using the maximum concentrations for each volatile organic compound and the average combined effluent flow rate (100 scfm), post the installation of 2013.

Definitions:

< - less than laboratory detection limit listed
"-" - indicates no guideline as been established
AGC - Annual Guideline Concentration
J - Indicates concentration is estimated
B - Indicates that the compound was also identified in the method blank and sample.
lb/day - pounds per day
ND - not detected above reporting limit
NS - parameter not analyzed
Q - data qualifier
SGC - Short-term Guideline Concentration
µg/m^3 - micrograms per cubic meter

Table 14. Regulatory Status of Air Emissions, Former Lockheed Martin French Road Facility, Utica, New York

Volatile Organic Compounds[1]	AGC[2] (µg/m^3)	SGC[2] (µg/m^3)	Maximum Effluent Concentration (µg/m^3)[3]	7/11/2012		10/17/2012		1/15/2013		4/24/2013		7/11/2013		10/23/2013		2/7/2014		4/4/2014		7/10/2014		10/9/2014		Maximum Emission Rate (lb/day)[4, 6]	Actual Annual Impact (µg/m^3)[5]	Actual Annual Impact Percentage of AGC (%)
				Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q	Result (µg/m3)	Q			
1,1,1-Trichloroethane	5,000	9,000	3.4	ND		ND		**0.83**		**0.46**	**J**	ND		ND		**3.4**		**2.7**		**0.31**	**J**	**0.59**	**J**	3.05E-05	3.56E-05	0.00
1,1-Dichloroethane	0.63	-	2.8	ND		ND		**2.8**		**0.93**		ND		**0.57**	**J**	**0.68**	**J**	**0.73**	**J**	**0.43**	**J**	**0.54**	**J**	2.51E-05	2.93E-05	0.00
1,2,4-Trimethylbenzene	290	-	43	**1.3**		ND		**0.8**		**0.94**	**J**	ND		ND		ND		**0.15**	**J**	**2.0**		**0.29**	**J**	3.86E-04	4.50E-04	0.00
1,2-Dichloroethane	0.038	-	0.62	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.56E-06	6.49E-06	0.02
1,3,5-Trimethylbenzene	290	-	9.5	**0.5**	**J**	ND		ND		**0.47**	**J**	ND		ND		ND		**0.072**	**J**	**0.57**	**J**	ND		8.52E-05	9.94E-05	0.00
1,3-butadiene	0.033	-	0.12	ND		ND		ND		**0.12**	**J**	ND		ND		ND		ND		ND		ND		1.08E-06	1.26E-06	0.00
1,4-Dichlorobenzene	0.09	-	3	ND		ND		ND		**0.33**	**J**	ND		ND		ND		ND		**0.16**	**BJ**	ND		2.69E-05	3.14E-05	0.03
1,4-Dioxane	0.13	3,000	2.3	ND		ND		ND		ND		ND		**1.2**	**J**	ND		ND		ND		ND		2.06E-05	2.41E-05	0.02
2,2,4-trimethylpentane	3,300	-	0.78	ND		ND		ND		**0.78**	**J**	ND		ND		ND		ND		ND		ND		6.99E-06	8.16E-06	0.00
4-ethyltoluene	-	-	15	ND		ND		ND		**0.41**	**J**	ND		ND		ND		ND		**0.43**	**J**	ND		1.35E-04	1.57E-04	-
Acetone	28,000	180,000	110	ND		**16**		ND		**37**		**26**	**J**	**12**	**J B**	ND		**16**		**6.6**	**J**	ND		9.86E-04	1.15E-03	0.00
Benzene	0.13	1,300	1.8	**0.45**	**J**	ND		ND		**1.8**		ND		ND		ND		ND		**0.082**	**J**	**0.29**	**J**	1.61E-05	1.88E-05	0.01
Carbon disulfide	700	6,200	4.4	**0.54**		ND		ND		**0.26**	**J**	**2.3**	**J**	ND		ND		ND		ND		ND		3.95E-05	4.60E-05	0.00
Chlorobenzene	110	-	0.12	ND		ND		ND		**0.12**	**J**	ND		ND		ND		ND		**0.043**	**J**	ND		1.08E-06	1.26E-06	0.00
Chloroethane	10,000	-	0.56	ND		ND		ND		**0.56**	**J**	ND		ND		ND		ND		ND		ND		5.02E-06	5.86E-06	0.00
Chloroform	0.043	150	11	**1.6**		**2.3**		**5.9**		**3.6**		ND		**2.2**	**J**	**10**		**11**		**4.5**		**6.4**		9.86E-05	1.15E-04	0.27
Chloromethane	90	22,000	1.3	ND		ND		ND		**1.3**		ND		**0.95**	**J**	ND		**0.6**	**J**	**0.78**	**J**	ND		1.17E-05	1.36E-05	0.00
cis-1,2-Dichloroethene	63	-	2.8	ND		ND		**1.9**		**1.5**		ND		ND		**2.2**		**2.8**		**1.9**		**1.7**		2.51E-05	2.93E-05	0.00
Cyclohexane	6,000	-	6.8	ND		ND		ND		**2.7**		ND		ND		**3.2**		**3.3**		**0.35**	**J**	**1.2**		6.10E-05	7.12E-05	0.00
Ethylbenzene	1,000	54,000	7.6	**0.88**		**0.84**		**0.44**	**J**	**7.6**		ND		ND		ND		**0.21**	**J**	**0.73**	**J**	**0.38**	**J**	6.82E-05	7.95E-05	0.00
Freon 11	1,000	68,000	510	**210**		**270**		**47**		**31**		**170**		**510**		**7.2**		**15**		**19**		**5.6**		4.57E-03	5.34E-03	0.00
Freon 113	180,000	960,000	3.7	ND		**1.9**		**3.7**		**1.4**	**J**	ND		**0.96**	**J**	**1.6**	**J**	**2**		ND		**2.8**		3.32E-05	3.87E-05	0.00
Freon 114	17,000	-	5.5	**5.5**		ND		ND		**0.28**	**J**	ND		ND		ND		ND		**0.96**	**J**	ND		4.93E-05	5.76E-05	0.00
Freon 12	12,000	-	34	**10**		**18**		**8.7**		**6.5**		**6**	**J**	**9.5**		**4.8**	**J**	**4.6**		**7.0**		**6.2**		3.05E-04	3.56E-04	0.00
Freon 22	50,000	-	4.8	NS		NS		NS		**4.8**		ND		**1.7**	**J**	**2.8**	**J**	**2.7**		**2.7**		**2.1**		4.30E-05	5.02E-05	0.00
Heptane	3,900	210,000	3.5	ND		ND		ND		**1.9**		ND		ND		ND		ND		ND		**1.3**		3.14E-05	3.66E-05	0.00
Hexane	700	-	2.6	ND		ND		ND		**1.7**		ND		ND		**1.1**	**J**	ND		ND		**0.78**		2.33E-05	2.72E-05	0.00
Isopropyl alcohol	7,000	98,000	360	**24**		**17**		**40**		**66**		**29**	**J**	**41**		**160**		**170**	**E**	**69**		**58**		3.23E-03	3.77E-03	0.00
m&p-Xylene	100	4,300	15	**3**		**2.6**		**1.9**		**7.1**		ND		ND		**1.1**	**J**	**0.79**	**J**	**2.6**		**0.93**	**J**	1.35E-04	1.57E-04	0.00
Methyl Butyl Ketone	30	4,000	1.1	ND		ND		ND		**1.1**	**J**	ND		ND		ND		ND		ND		ND		9.86E-06	1.15E-05	0.00
Methyl Ethyl Ketone	5,000	13,000	61	ND		ND		ND		**15**		ND		**1.4**	**J**	ND		**0.98**	**J**	**1.2**	**J**	ND		5.47E-04	6.38E-04	0.00
Methyl Isobutyl Ketone	3,000	31,000	1.9	ND		ND		ND		**0.43**	**J**	ND		ND		ND		**0.18**	**J**	**1.9**	**J**	ND		1.70E-05	1.99E-05	0.00
Methylene chloride	2.1	14,000	340	**340**		**130**		**160**		**130**	**B**	**150**	**B**	**87**	**B**	**85**		**80**		**82**		**36**		3.05E-03	3.56E-03	0.17
Naphthalene	3	7,900	0	NS		NS		NS		ND		ND		ND		ND		ND		ND		ND		0.00E+00	0.00E+00	0.00
n-Butane	57,000	-	23	NS		NS		NS		**16**		ND		**2.6**	**J**	**23**		**3.4**		**7.7**		**9.2**		2.06E-04	2.41E-04	0.00
n-Propylbenzene	1,000	54,000	0.33	NS		NS		NS		**0.33**	**J**	ND		ND		ND		ND		ND		ND		2.96E-06	3.45E-06	0.00
o-Xylene	100	4,300	9.7	**1**		**0.49**	**J**	**0.57**	**J**	**2**		ND		ND		**0.47**	**J**	**0.25**	**J**	**1.0**		**0.29**	**J**	8.70E-05	1.02E-04	0.00
Styrene	1,000	17,000	1	ND		ND		ND		**0.56**	**J**	ND		ND		ND		ND		ND		ND		8.97E-06	1.05E-05	0.00
tert-Butyl alcohol	720	-	2	NS		NS		NS		**2**	**J**	ND		ND		ND		ND		ND		ND		1.79E-05	2.09E-05	0.00
Tetrachloroethylene	1	1,000	2.5	ND		**1.7**		ND		**0.49**	**J**	**2.5**	**J**	ND		**0.74**	**J**	**0.67**	**J**	**0.12**	**J**	ND		2.24E-05	2.62E-05	0.00
Tetrahydrofuran	350	30,000	240	ND		ND		**2.2**		**4.7**	**J**	ND		ND		**5.7**	**J**	**6.8**	**J**	**2.5**	**J**	**1.9**	**J**	2.15E-03	2.51E-03	0.00
Toluene	5,000	37,000	13	**6**		**0.57**		**0.42**	**J**	**13**		**4.6**	**J**	**0.95**	**J**	**0.94**	**J**	**1.3**		**0.52**	**J**	**0.42**	**J**	1.17E-04	1.36E-04	0.00
trans-1,2-Dichloroethene	63	-	3.1	ND		ND		**3.1**		**1.6**		ND		**1.3**	**J**	**1.5**	**J**	**1.9**		**1.9**		**1.4**		2.78E-05	3.24E-05	0.00
Trichloroethene	0.5	14,000	3.7	ND		ND		ND		**0.23**		**3.7**		ND		ND		ND		ND		ND		3.32E-05	3.87E-05	0.01
Vinyl chloride	0.1	180,000	0.24	ND		ND		ND		**0.24**		ND		ND		ND		ND		ND		ND		2.15E-06	2.51E-06	0.00

FIGURES

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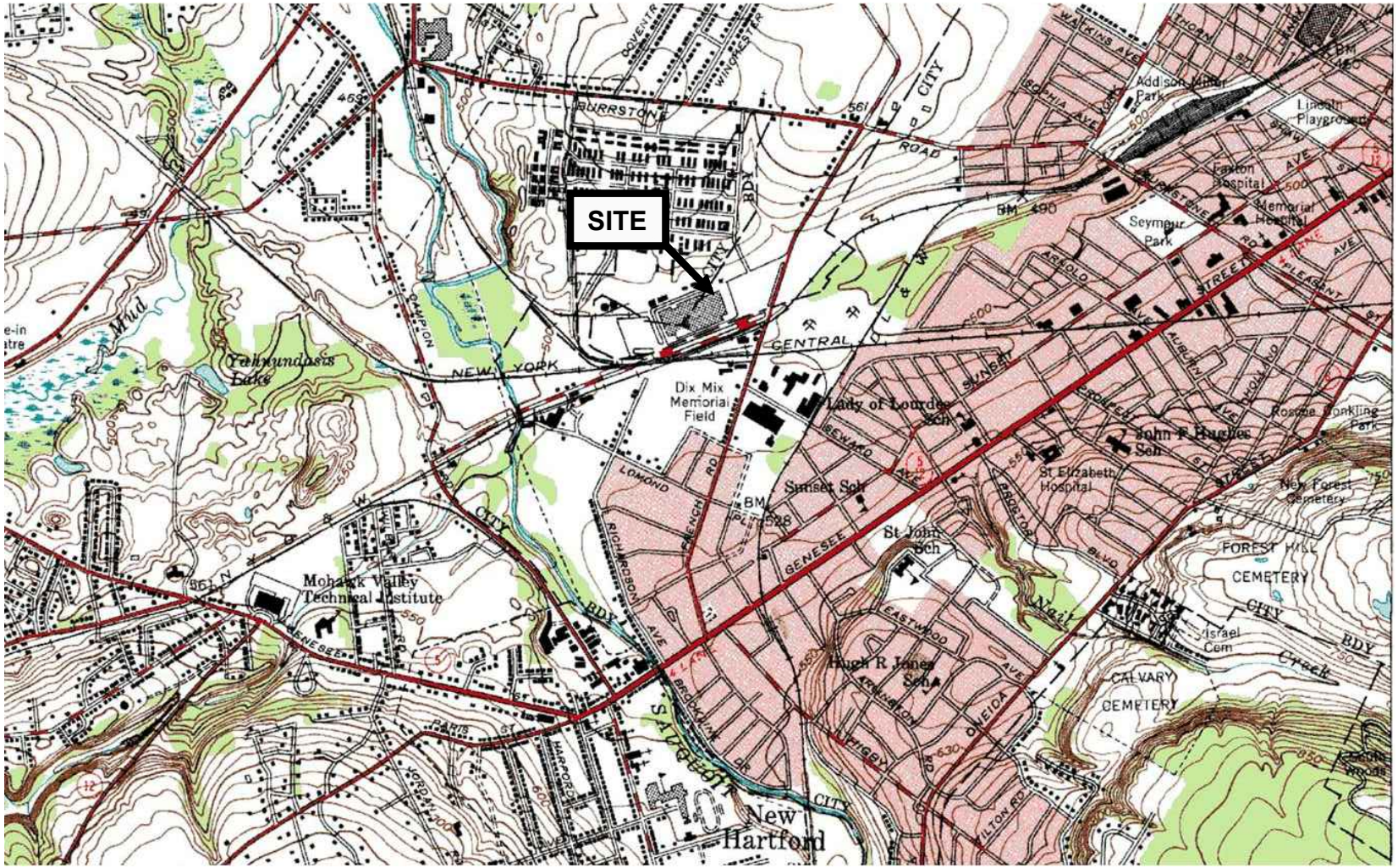



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2014 SUB-SLAB DEPRESSURIZATION SYSTEM ANNUAL REPORT
FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY UTICA, NEW YORK

SITE LOCATION MAP

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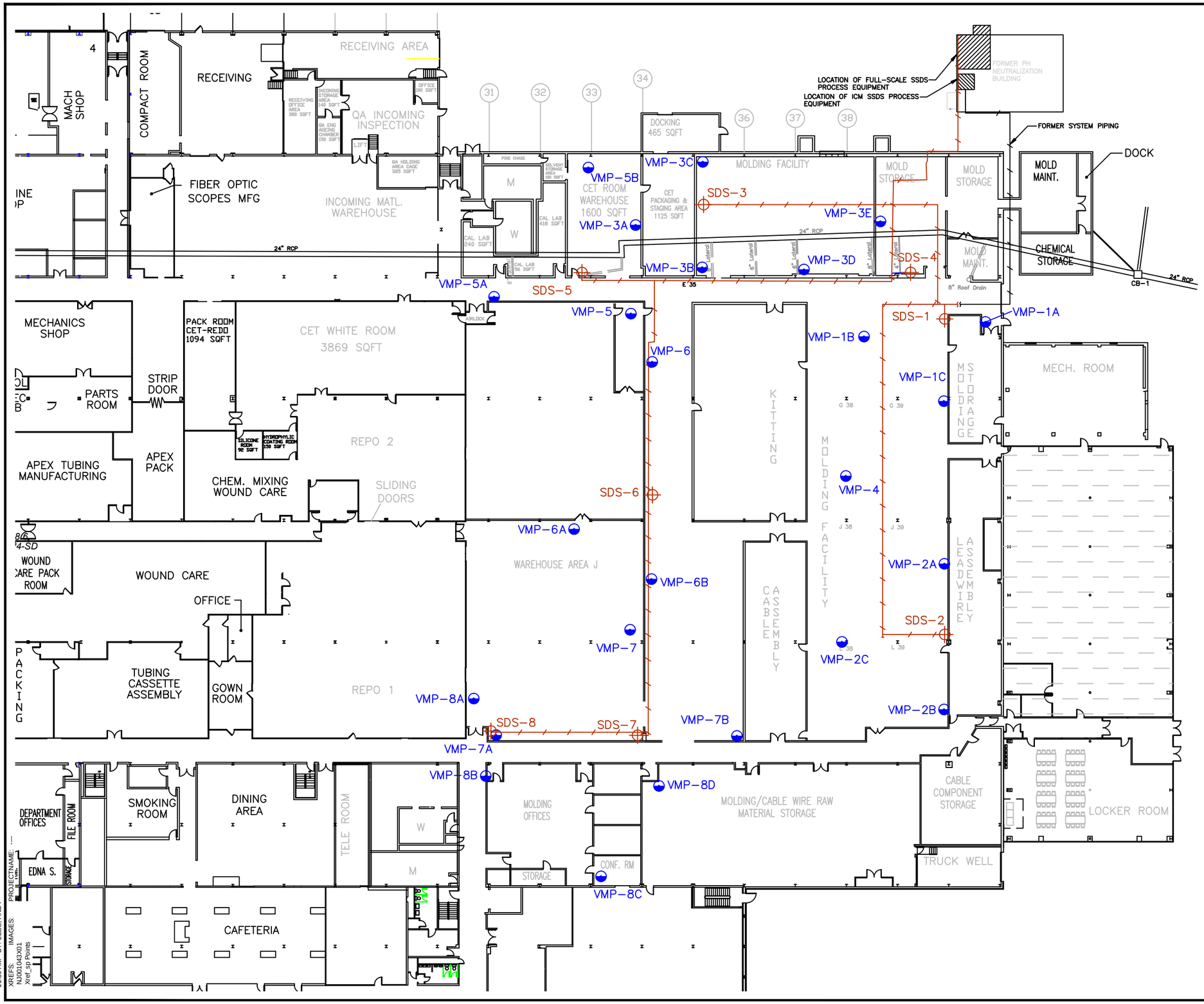
FIGURE
1



LEGEND

- BUILDING COLUMN LINE IDENTIFICATION
- LOCATION OF SUBSLAB DEPRESSURIZATION ABOVE GRADE PIPING
- SDS-4 — LOCATION OF SUBSLAB DEPRESSURIZATION SUMP (SDS)
- VMP-1B — LOCATION OF VACUUM MONITORING POINT (VMP)

NOTES:

1. BASE DRAWING SOURCE: CONMED, TITLE: FRENCH ROAD BLOCK PLAN PROPOSED SPACE UTILIZATION, DRAWING NO:FR001, DATE: 01/28/94. CONMED SOURCE DRAWING: LOCKHEED MARTIN DRAWING NUMBER RFABLK.DWG JEG 310CT94.
2. LOCATIONS OF SDS-8, VMP-8A, VMP-8B, VMP-8C, VMP-8D, WERE SURVEYED BY THEW ASSOCIATES ON OCTOBER 17, 2013. ALL OTHER SDS AND VMP LOCATIONS SURVEYED BY THEW ASSOCIATES, LPS IN 2011. REFERENCE DRAWING UK156-10-07.
3. THIS SURVEY IS REFERENCED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) AND PROJECTED ON THE NEW YORK STATE PLANE AN COORDINATE SYSTEM (CENTRAL ZONE).
4. THE REFERENCED HORIZONTAL CONTROL STATION IS A GPS CONTINUOUSLY OPERATING REFERENCE STATION (CORS) DESIGNATED AS "ROME CORS ARP" (NYRM). NYRM IS A SPECIAL HORIZONTAL AND VERTICAL CONTROL STATION ESTABLISHED BY NATIONAL GEODETIC SURVEY IN JULY 1997.

0 40' 80'

GRAPHIC SCALE

2014 SUB-SLAB DEPRESSURIZATION SYSTEM ANNUAL REPORT
FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NEW YORK

SSDS LAYOUT AND SITE PLAN

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FIGURE 2

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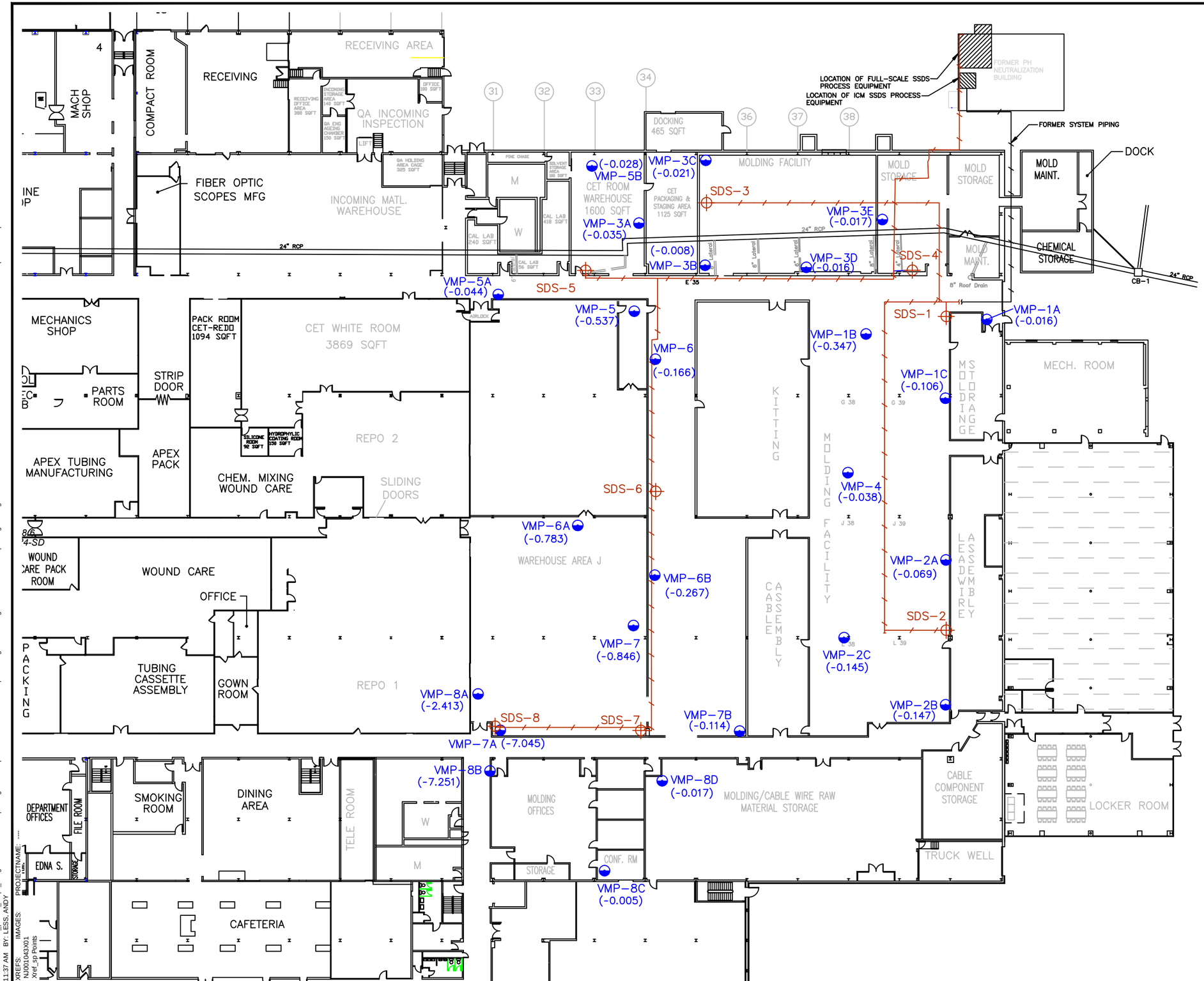

LEGEND

- BUILDING COLUMN LINE IDENTIFICATION
- LOCATION OF SUBSLAB DEPRESSURIZATION ABOVE GRADE PIPING
- SDS-4 — LOCATION OF SUBSLAB DEPRESSURIZATION SUMP (SDS)
- VMP-1B — LOCATION OF VACUUM MONITORING POINT (VMP)
- (-0.016) — 2014 AVERAGE INSTANTANEOUS DIFFERENTIAL PRESSURE (IN W.C.) RECORDED AT THE VMP LOCATION (CRITERIA IS -0.004 IN W.C.)

NOTES:

1. BASE DRAWING SOURCE: CONMED, TITLE: FRENCH ROAD BLOCK PLAN PROPOSED SPACE UTILIZATION, DRAWING NO:FR001, DATE: 01/28/94. CONMED SOURCE DRAWING: LOCKHEED MARTIN DRAWING NUMBER RFABLK.DWG JEG 310CT94.
2. LOCATIONS OF SDS-8, VMP-8A, VMP-8B, VMP-8C, VMP-8D, WERE SURVEYED BY THEW ASSOCIATES ON OCTOBER 17, 2013. ALL OTHER SDS AND VMP LOCATIONS SURVEYED BY THEW ASSOCIATES, LPS IN 2011. REFERENCE DRAWING UK156-10-07.
3. THIS SURVEY IS REFERENCED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) AND PROJECTED ON THE NEW YORK STATE PLANE AN COORDINATE SYSTEM (CENTRAL ZONE).
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0 40' 80'

GRAPHIC SCALE

2014 SUB-SLAB DEPRESSURIZATION SYSTEM ANNUAL REPORT
FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NEW YORK

AVERAGE DIFFERENTIAL PRESSURE AT VACUUM MONITORING POINTS

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FIGURE 3

CITY:(FAIRLAWN, NJ) SYRACUSE, NY DIV/GROUP:(ENV/CAD) DB:(J.GONZALEZ) K:\SARTORI LD:(J.GONZALEZ) PIC:(N. SHUKLA) PM:/TM (J. BONSTEEL) LYR:(On|ON=*;OFF=*REF*
U:\1905008000\07_photos_maps_images\DRAWINGS\Report Figures\2-Vapor Intrusion\2014 Annual rpt\Drawings\2014 VI Figures\2014 Annual Report Figures\Figure 3.DWG LAYOUT: 3 SAVED: 1/26/2015 11:37 AM ACADVER: 19.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 1/26/2015
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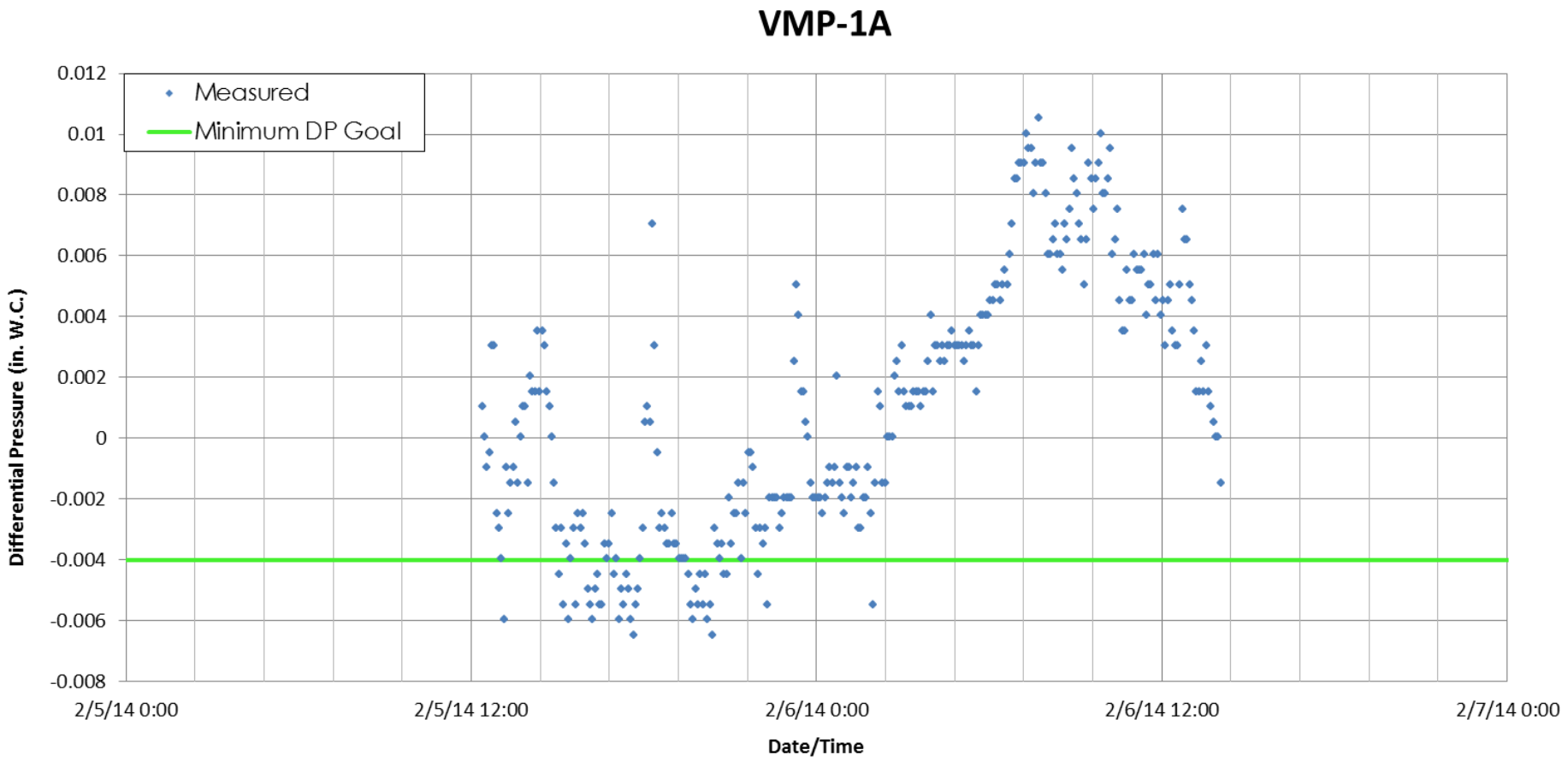

Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

2014 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT
FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NY

VACUUM MONITORING POINT VMP-1A DIFFERENTIAL PRESSURE DATA FEBRUARY 5-6, 2014

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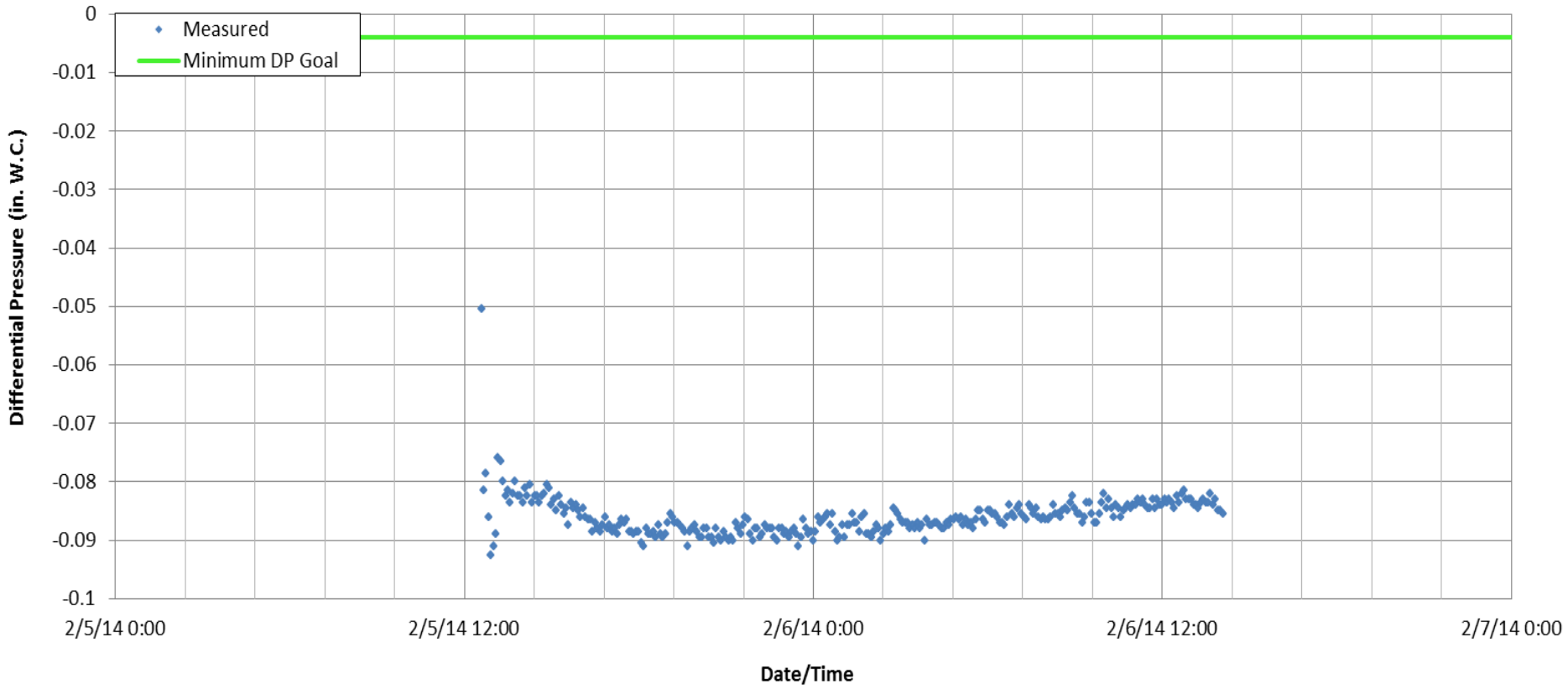
FIGURE
4



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

2014 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT
FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY □
UTICA, NY

VACUUM MONITORING POINT VMP-2A
DIFFERENTIAL PRESSURE DATA
FEBRUARY 5-6, 2014

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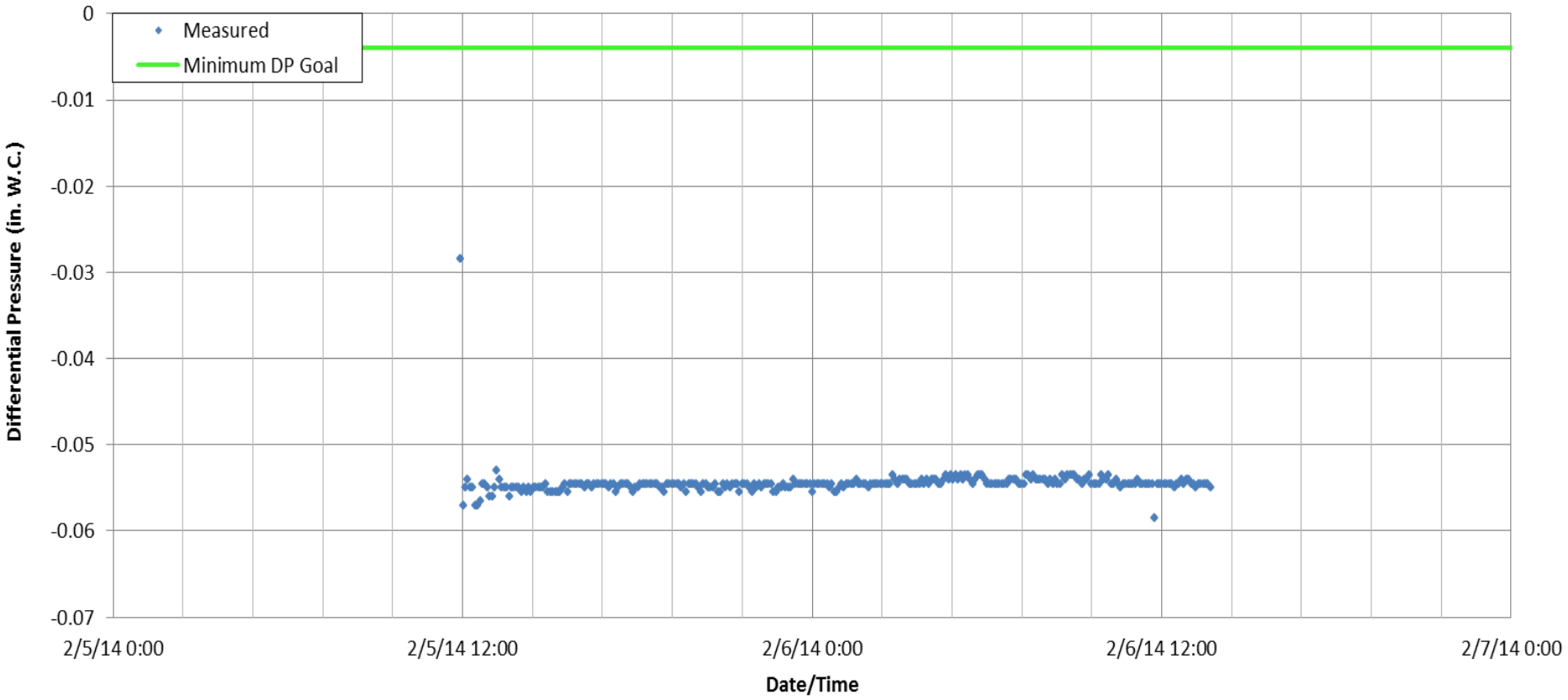
FIGURE
5



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

2014 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT
FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NY

VACUUM MONITORING POINT VMP-3A
DIFFERENTIAL PRESSURE DATA
FEBRUARY 5-6, 2014

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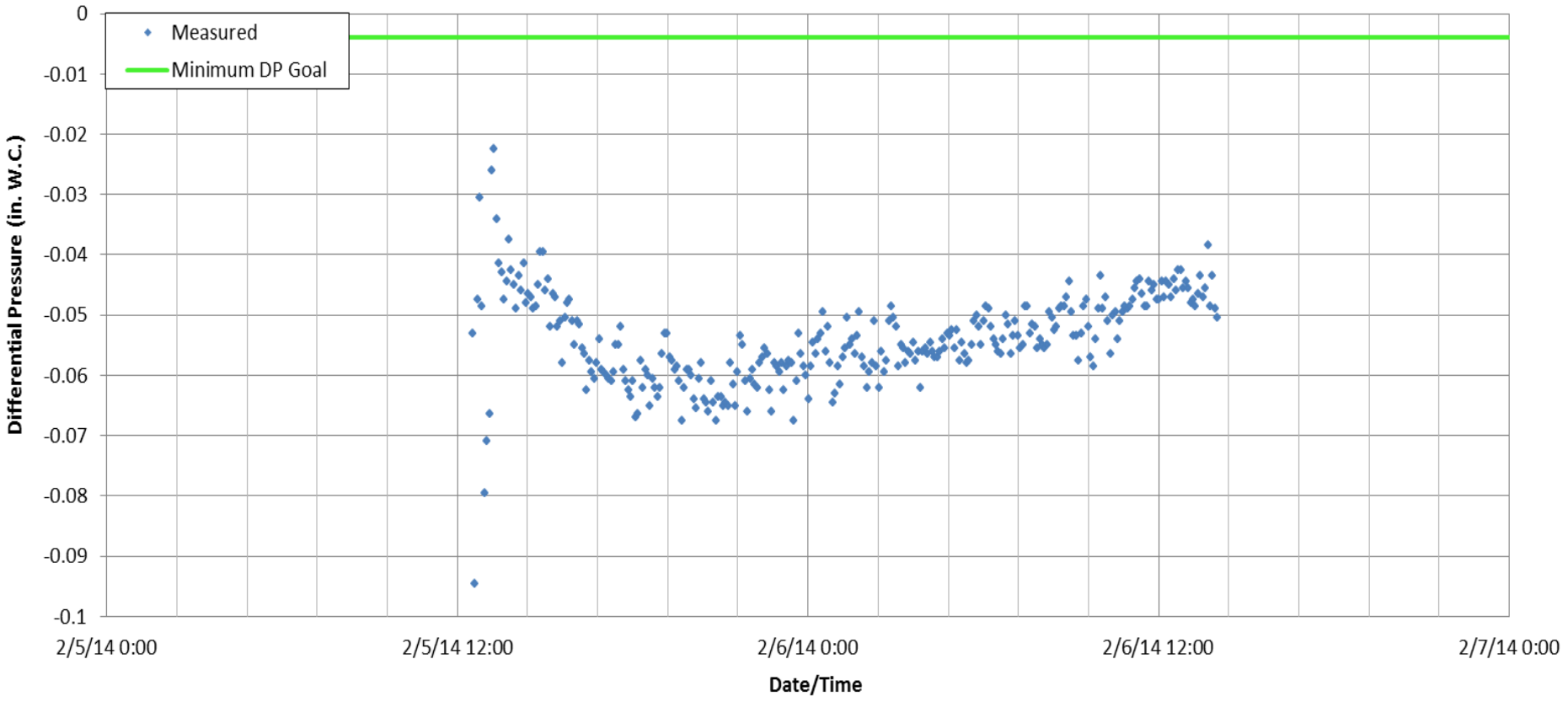
FIGURE
6



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

2014 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT
FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NY

VACUUM MONITORING POINT VMP-4
DIFFERENTIAL PRESSURE DATA
FEBRUARY 5-6, 2014

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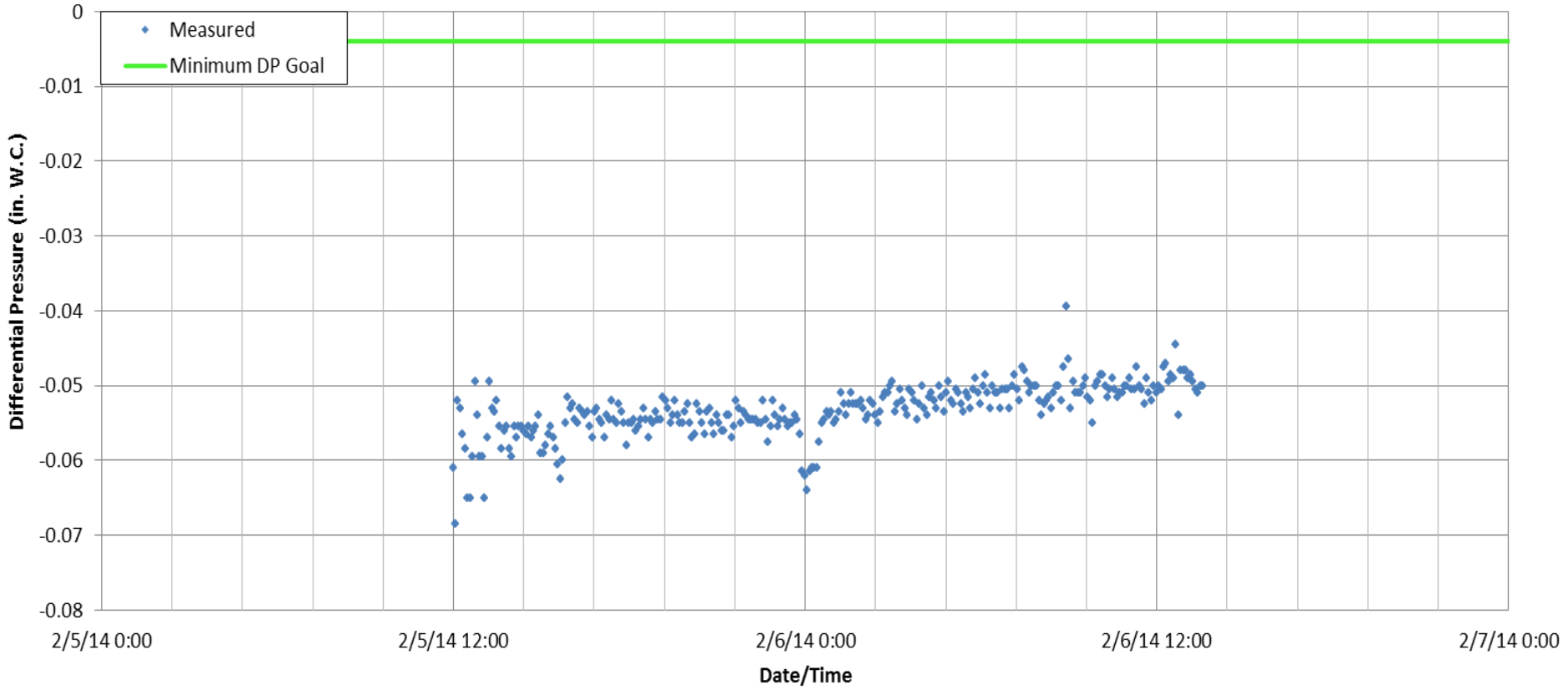
FIGURE
7



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

2014 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT
FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NY

VACUUM MONITORING POINT VMP-5A
DIFFERENTIAL PRESSURE DATA
FEBRUARY 5-6, 2014

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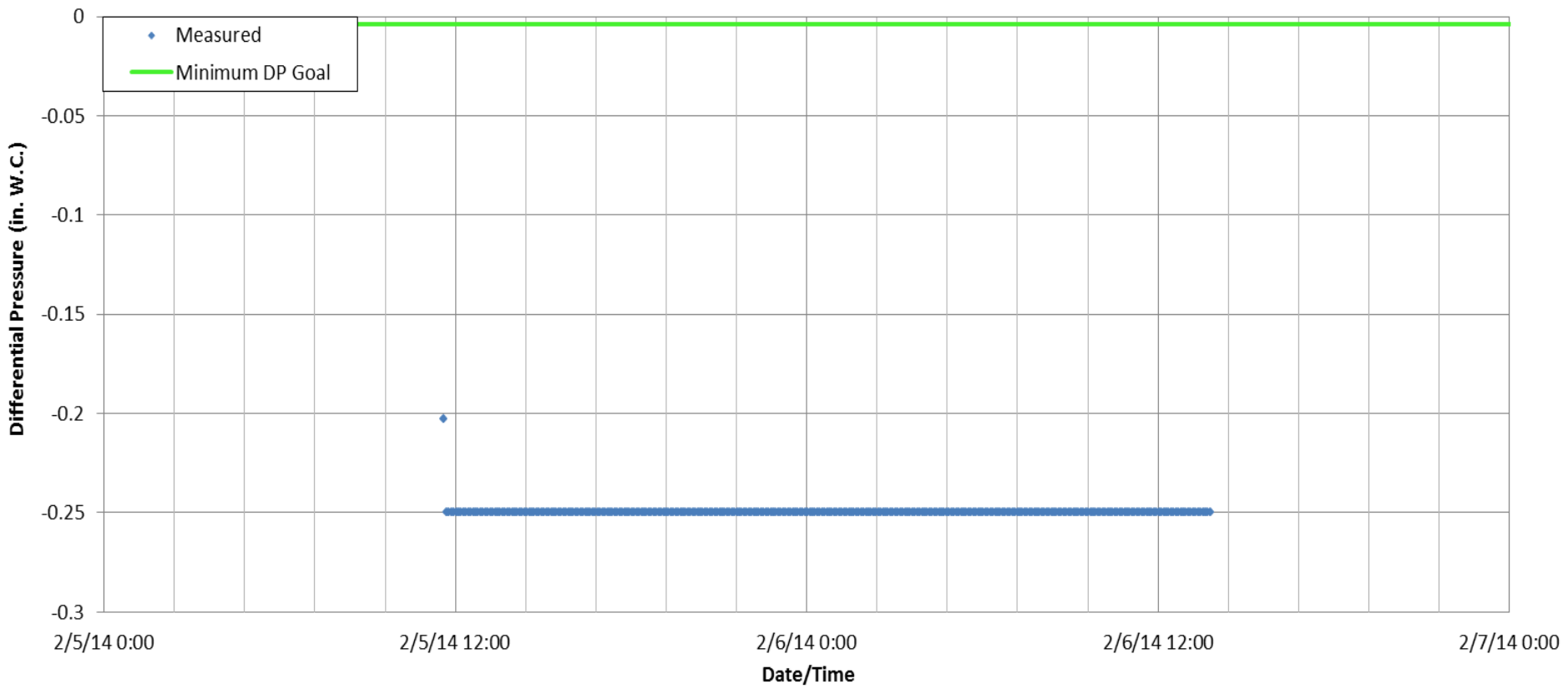
FIGURE
8



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

2014 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT
FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NY

VACUUM MONITORING POINT VMP-6A
DIFFERENTIAL PRESSURE DATA
FEBRUARY 5-6, 2014

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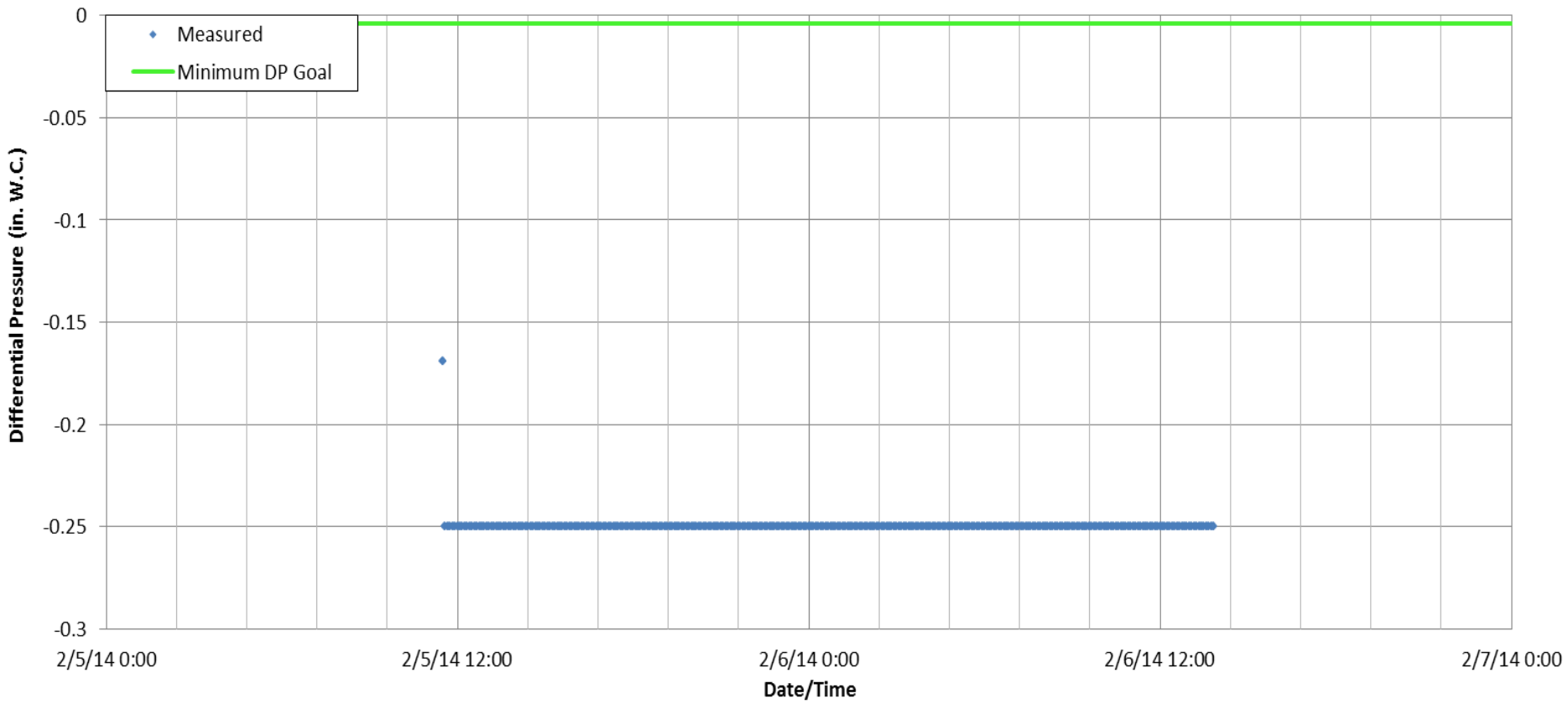
FIGURE
9



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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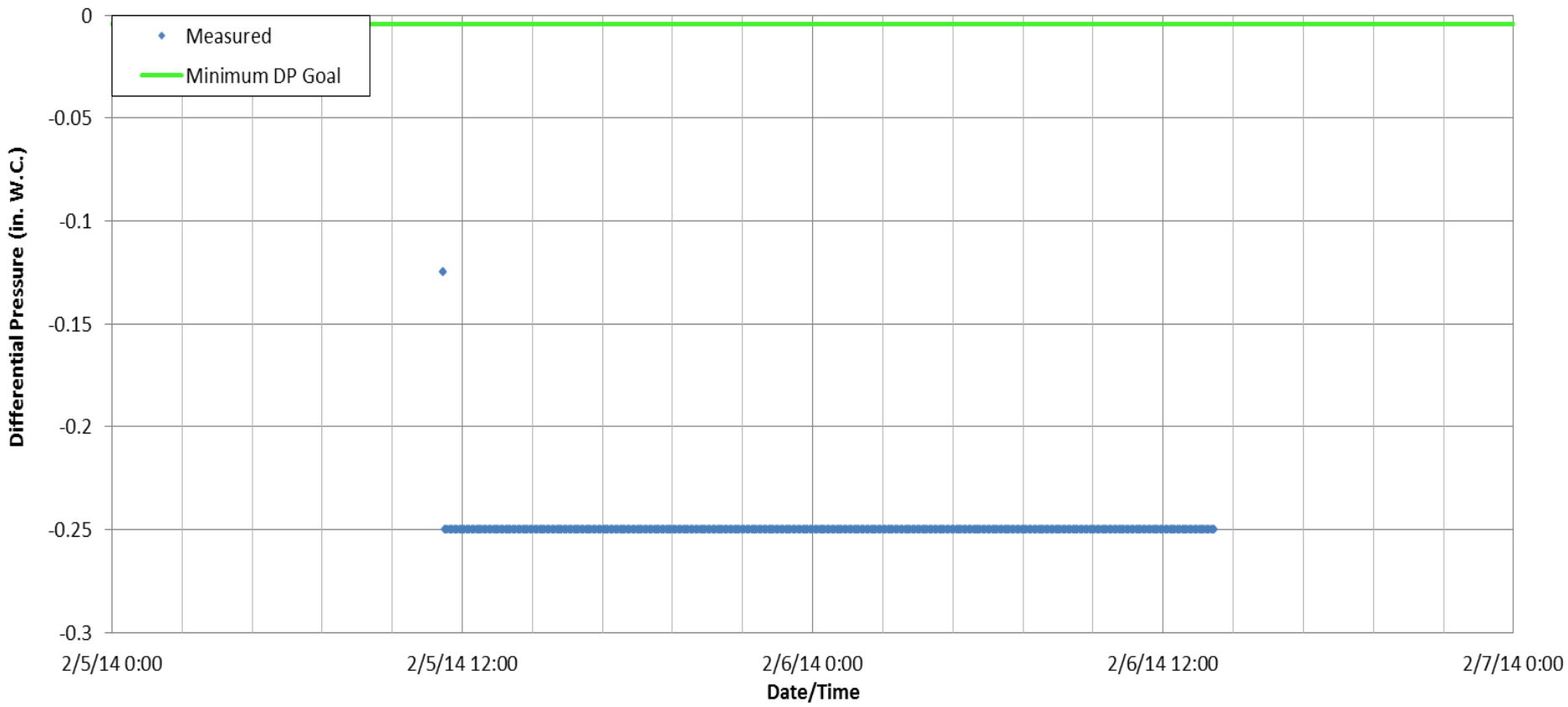
VACUUM MONITORING POINT VMP-7A
DIFFERENTIAL PRESSURE DATA
FEBRUARY 5-6, 2014

Stantec

FIGURE
10



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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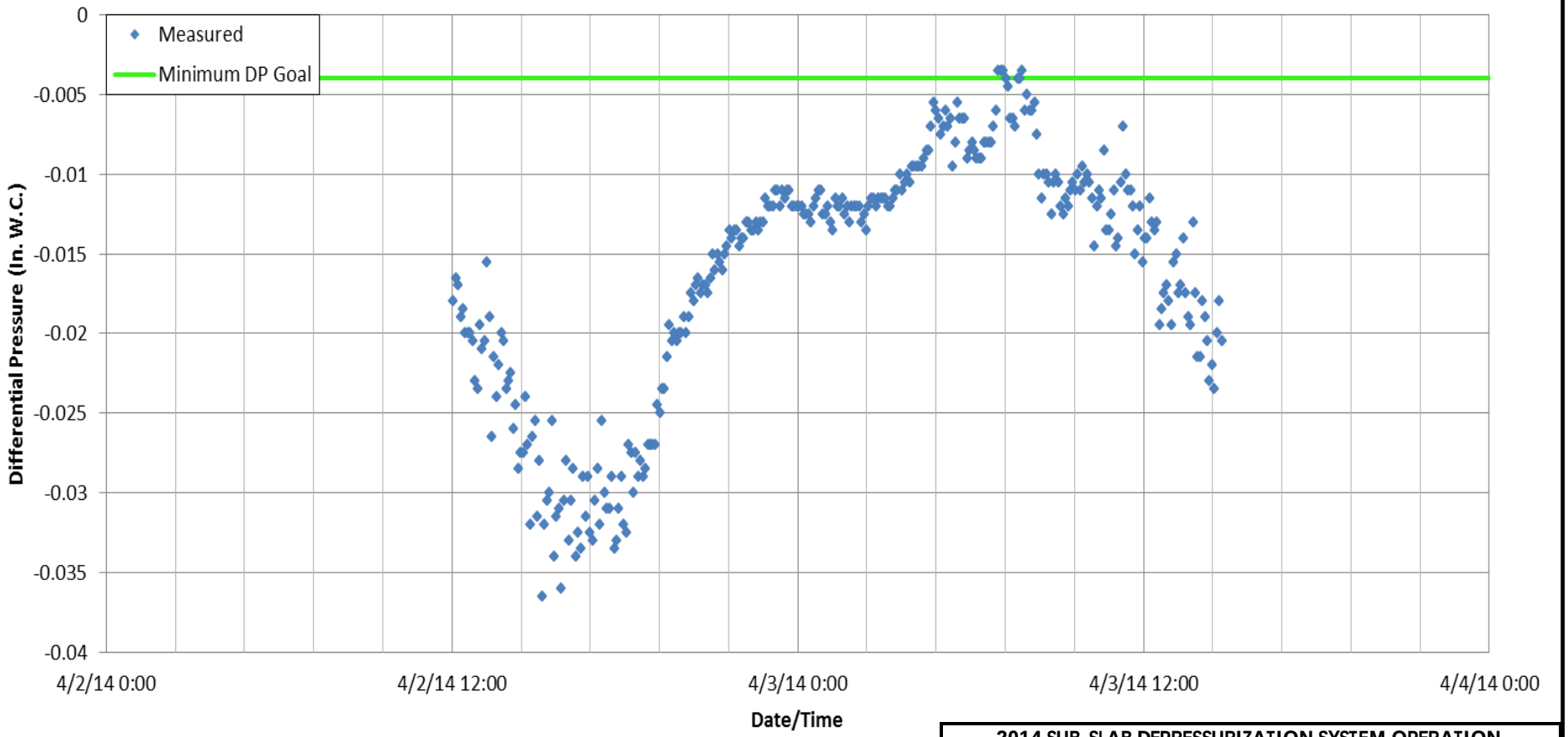
UTICA, NY

VACUUM MONITORING POINT VMP-8A
DIFFERENTIAL PRESSURE DATA
FEBRUARY 5-6, 2014

Stantec

FIGURE
11



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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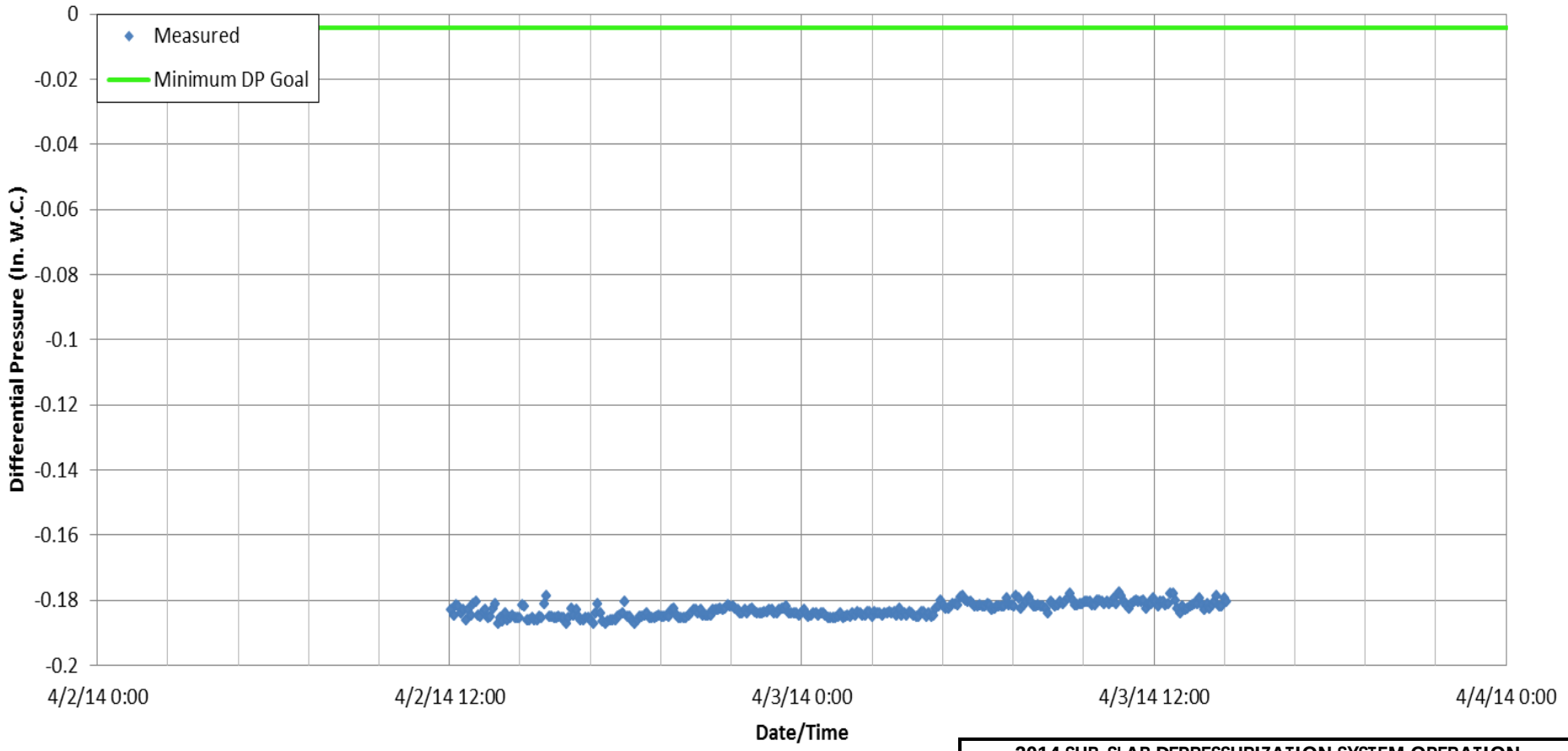
UTICA, NY

VACUUM MONITORING POINT VMP-1A DIFFERENTIAL PRESSURE DATA
April 2-3, 2014

Stantec

FIGURE
12



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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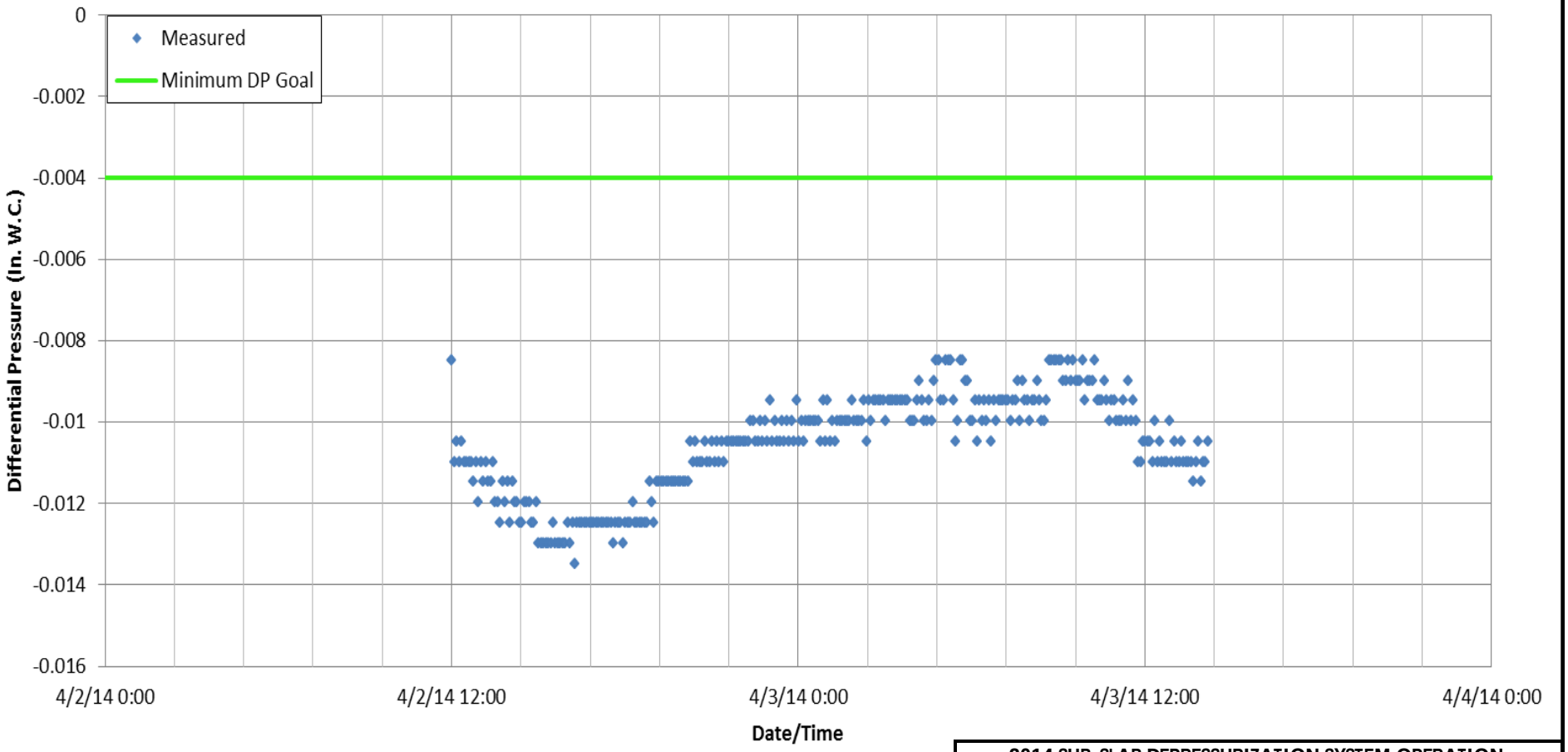
VACUUM MONITORING POINT VMP-2B
DIFFERENTIAL PRESSURE DATA
April 2-3, 2014

Stantec

FIGURE
13



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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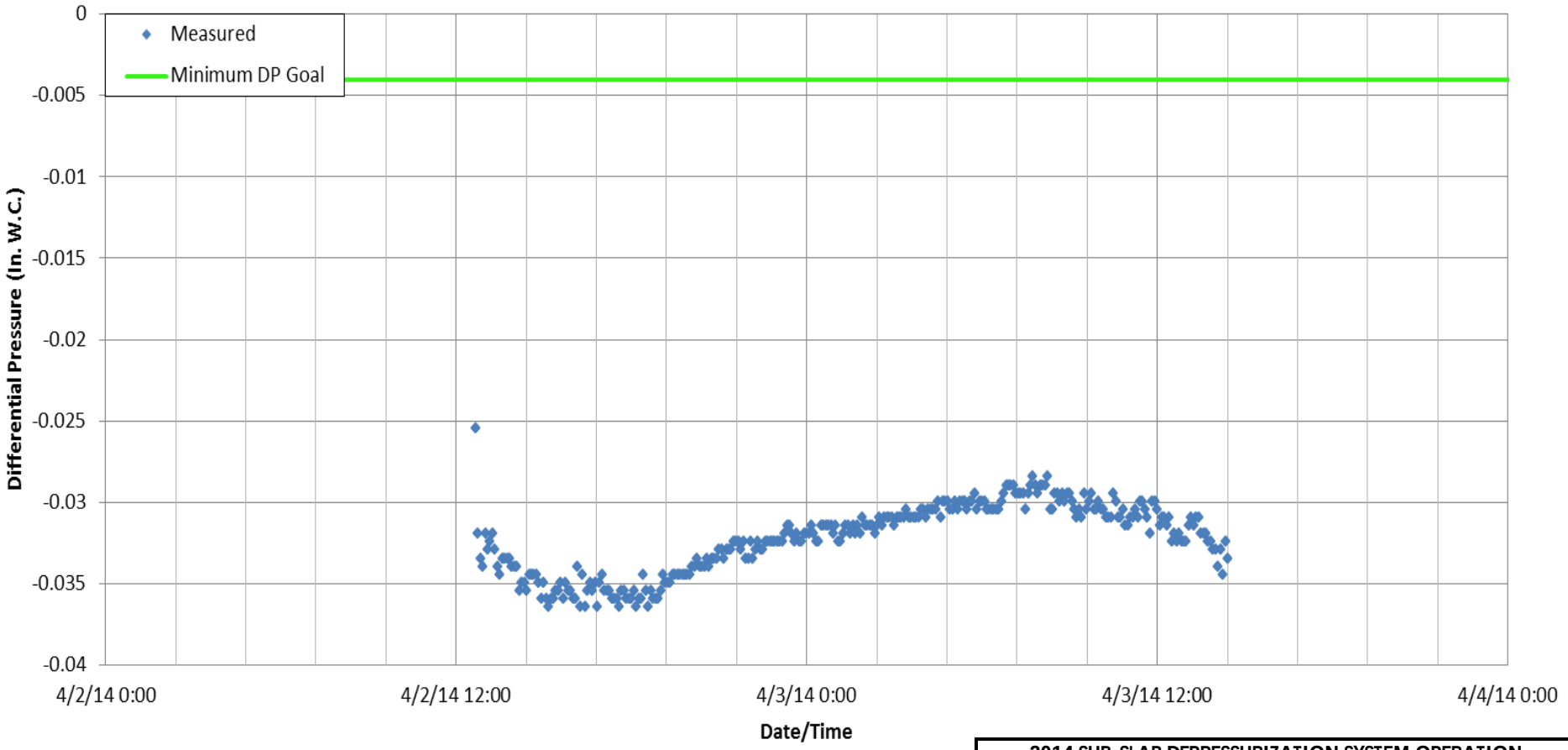
VACUUM MONITORING POINT VMP-3B
DIFFERENTIAL PRESSURE DATA
April 2-3, 2014

Stantec

FIGURE
14



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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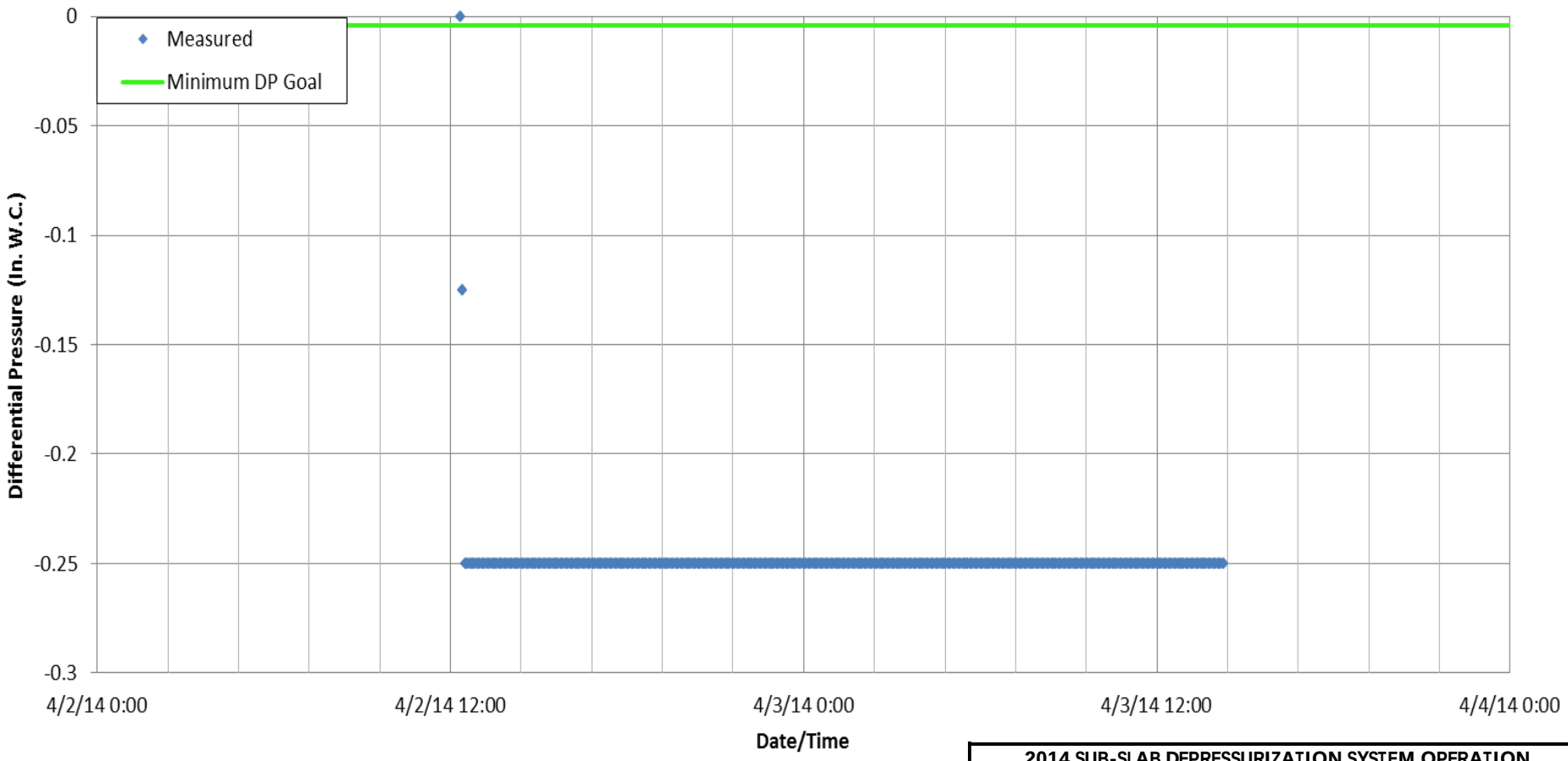
VACUUM MONITORING POINT VMP-5B
DIFFERENTIAL PRESSURE DATA
April 2-3, 2014

Stantec

FIGURE
15



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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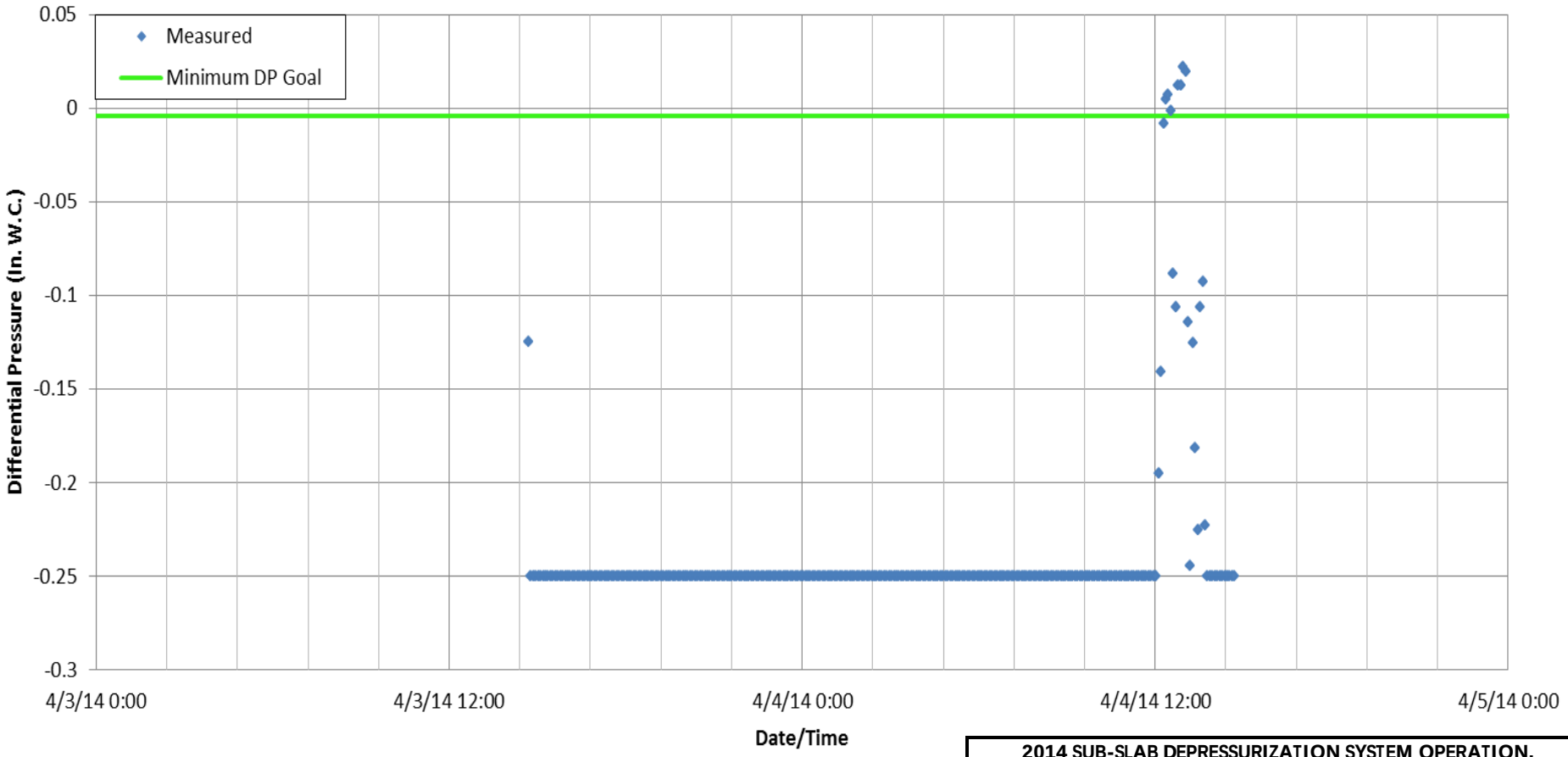
VACUUM MONITORING POINT VMP-6A
DIFFERENTIAL PRESSURE DATA
April 2-3, 2014

Stantec

FIGURE
16



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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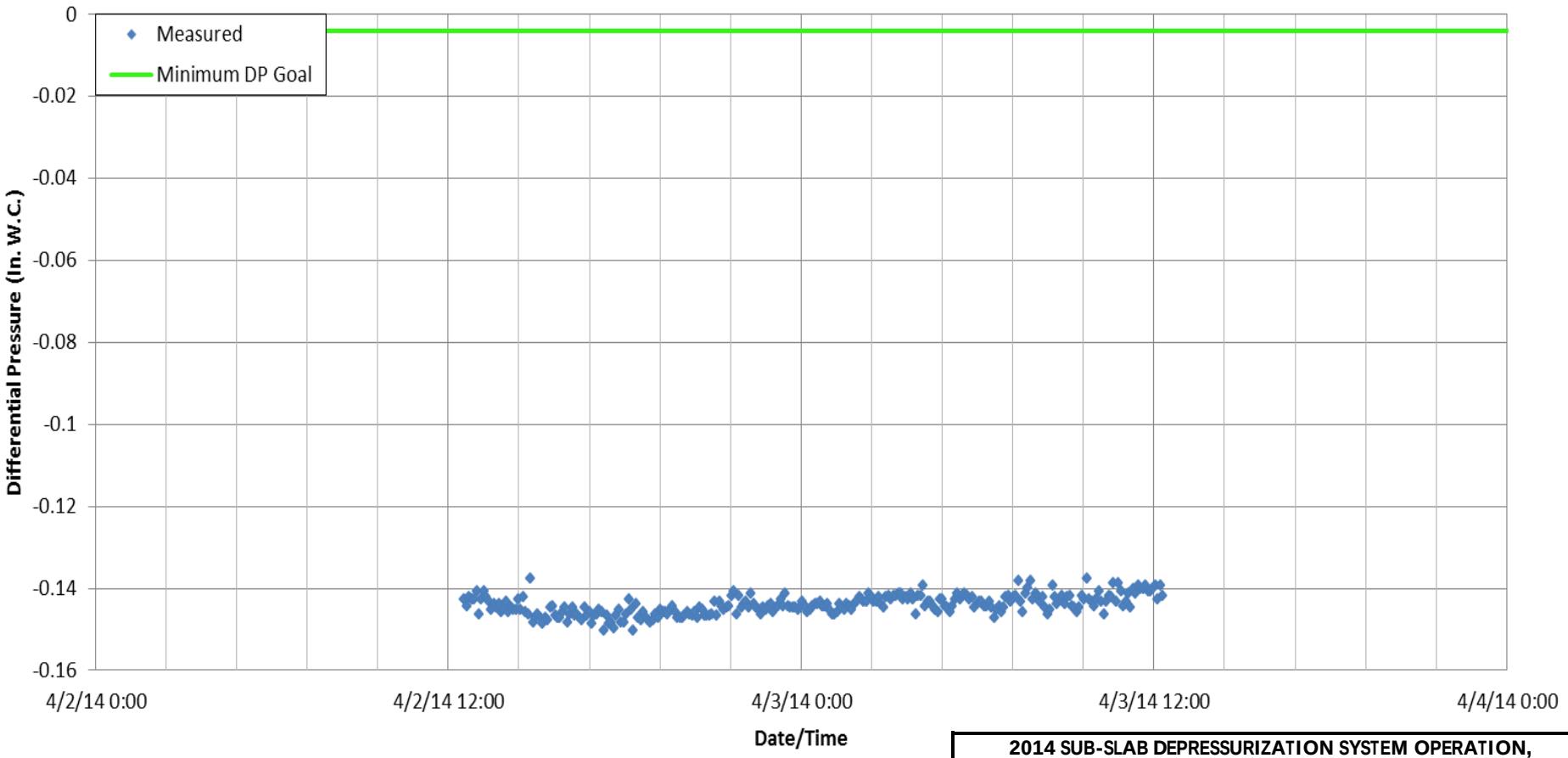
VACUUM MONITORING POINT VMP-6B
DIFFERENTIAL PRESSURE DATA
April 3-4, 2014

Stantec

FIGURE
17



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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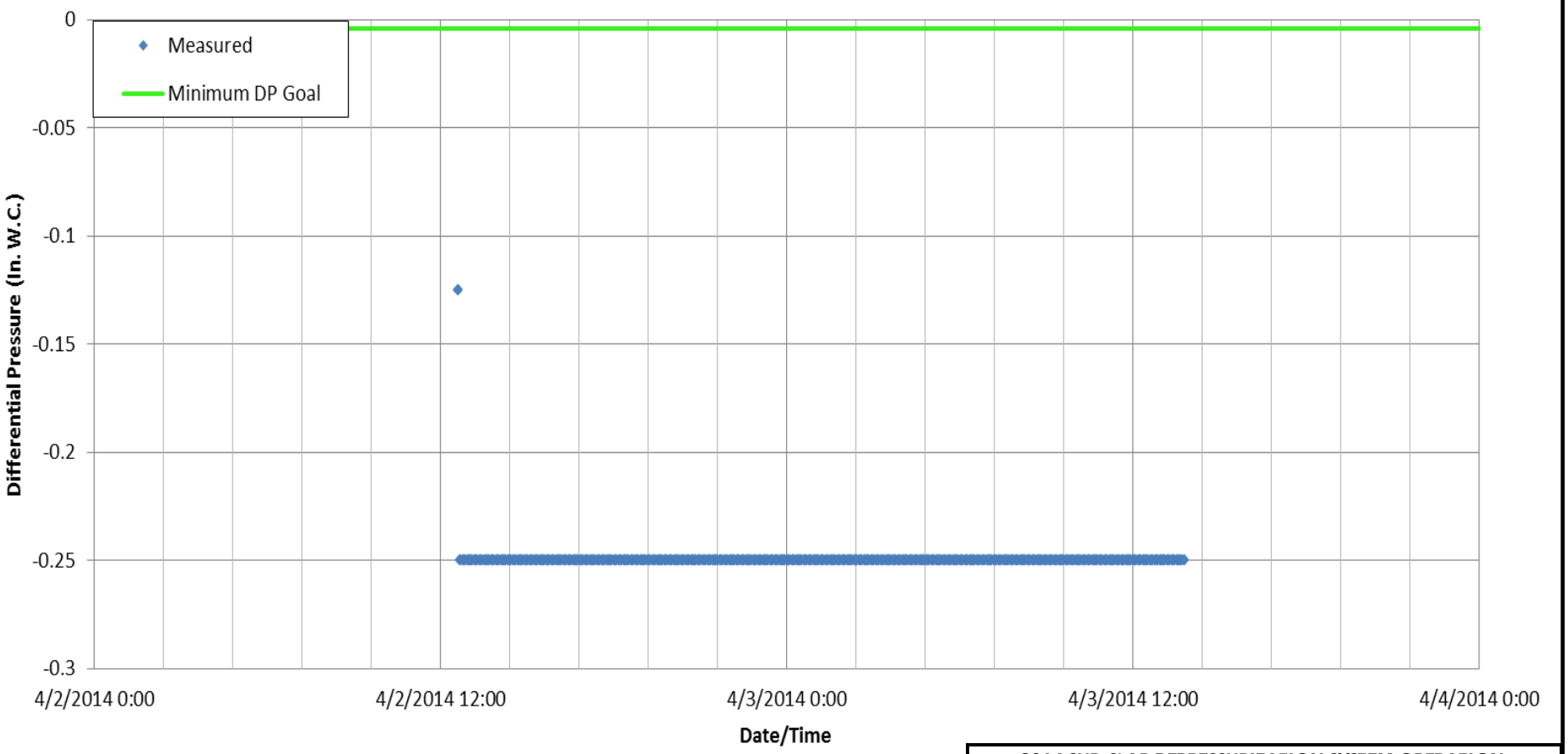
VACUUM MONITORING POINT VMP-7A
DIFFERENTIAL PRESSURE DATA
April 2-3, 2014

Stantec

FIGURE
18



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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VACUUM MONITORING POINT VMP-8B
DIFFERENTIAL PRESSURE DATA
April 2-3, 2014

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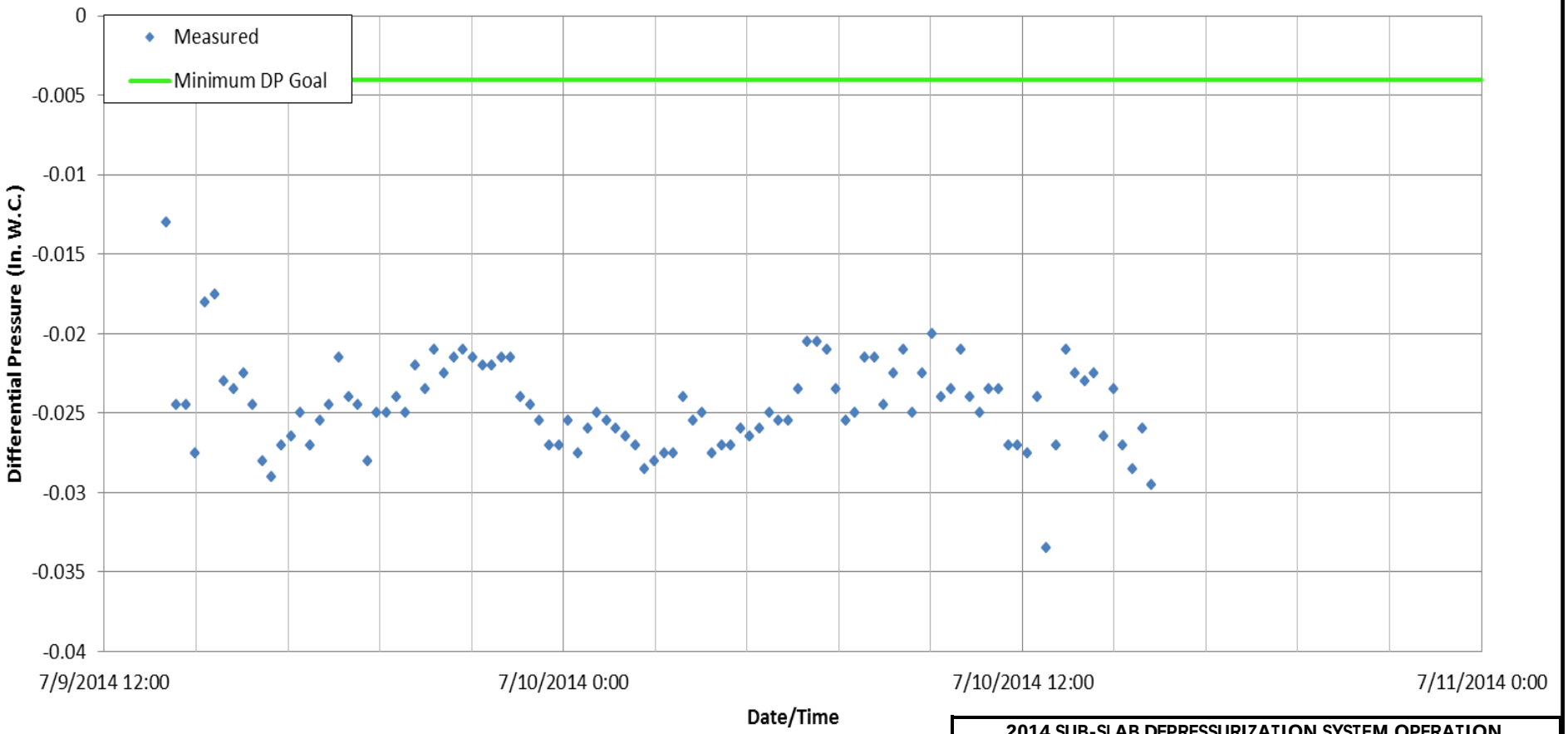
FIGURE
19



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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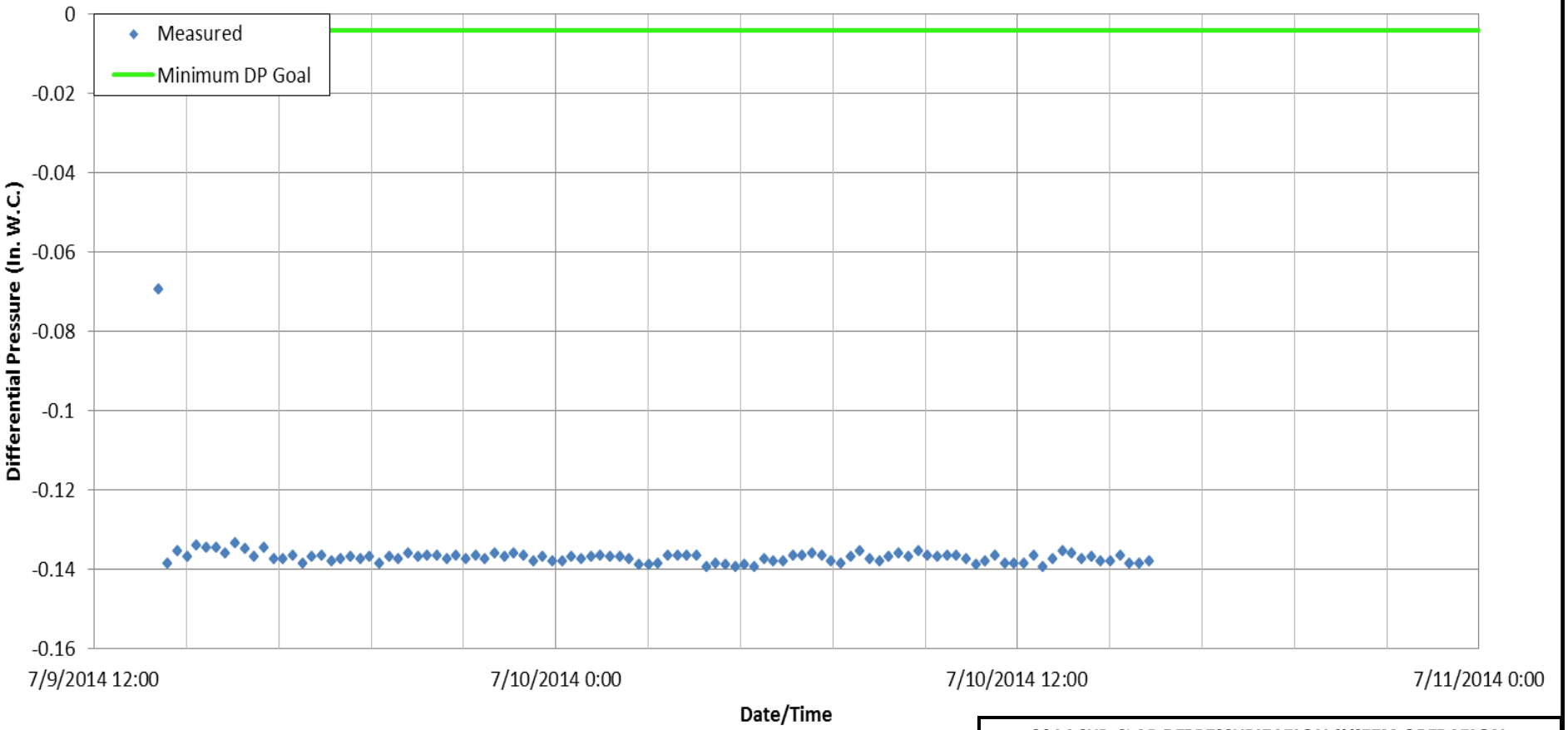
VACUUM MONITORING POINT VMP-1A
DIFFERENTIAL PRESSURE DATA
July 9-10, 2014

Stantec

FIGURE
20



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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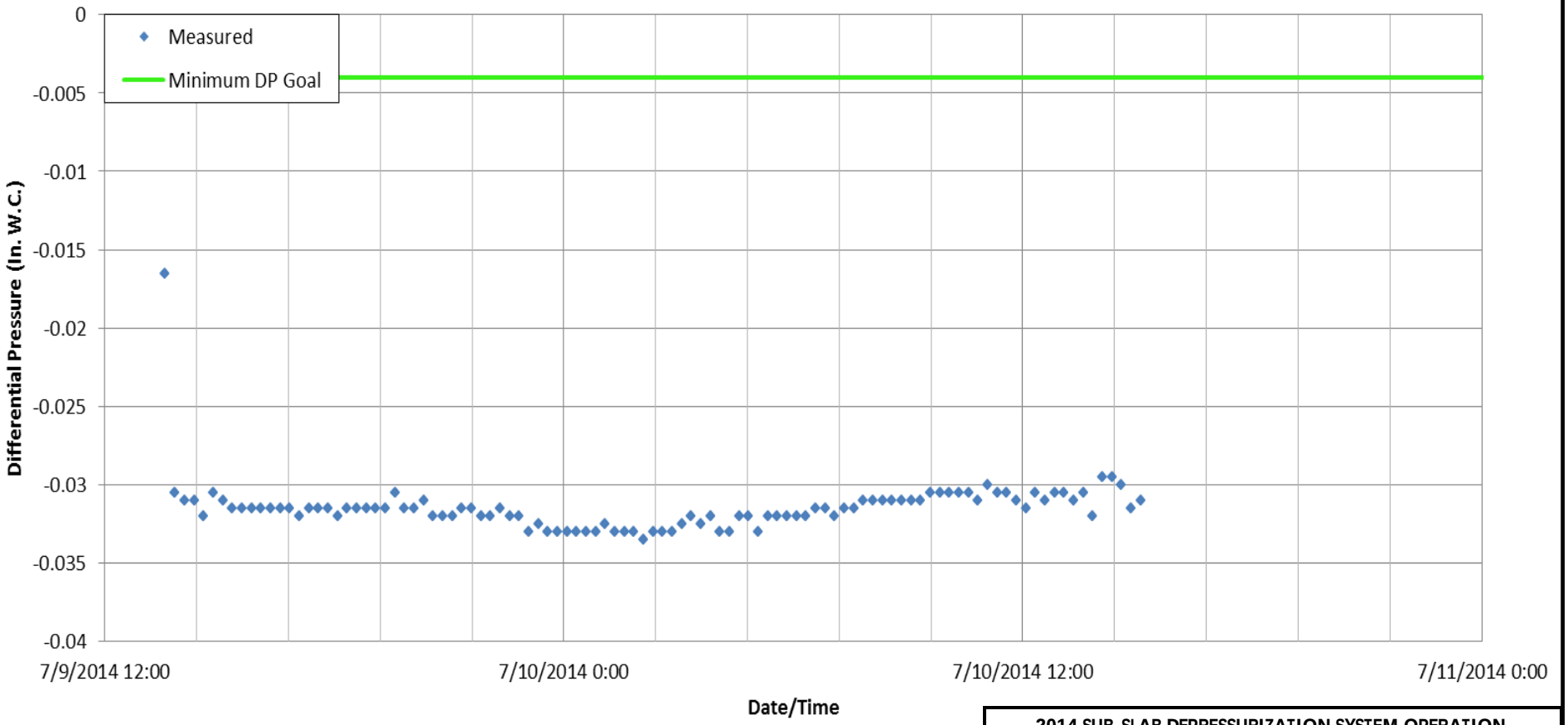
UTICA, NY

VACUUM MONITORING POINT VMP-1C DIFFERENTIAL PRESSURE DATA July 9-10, 2014

Stantec

FIGURE
21



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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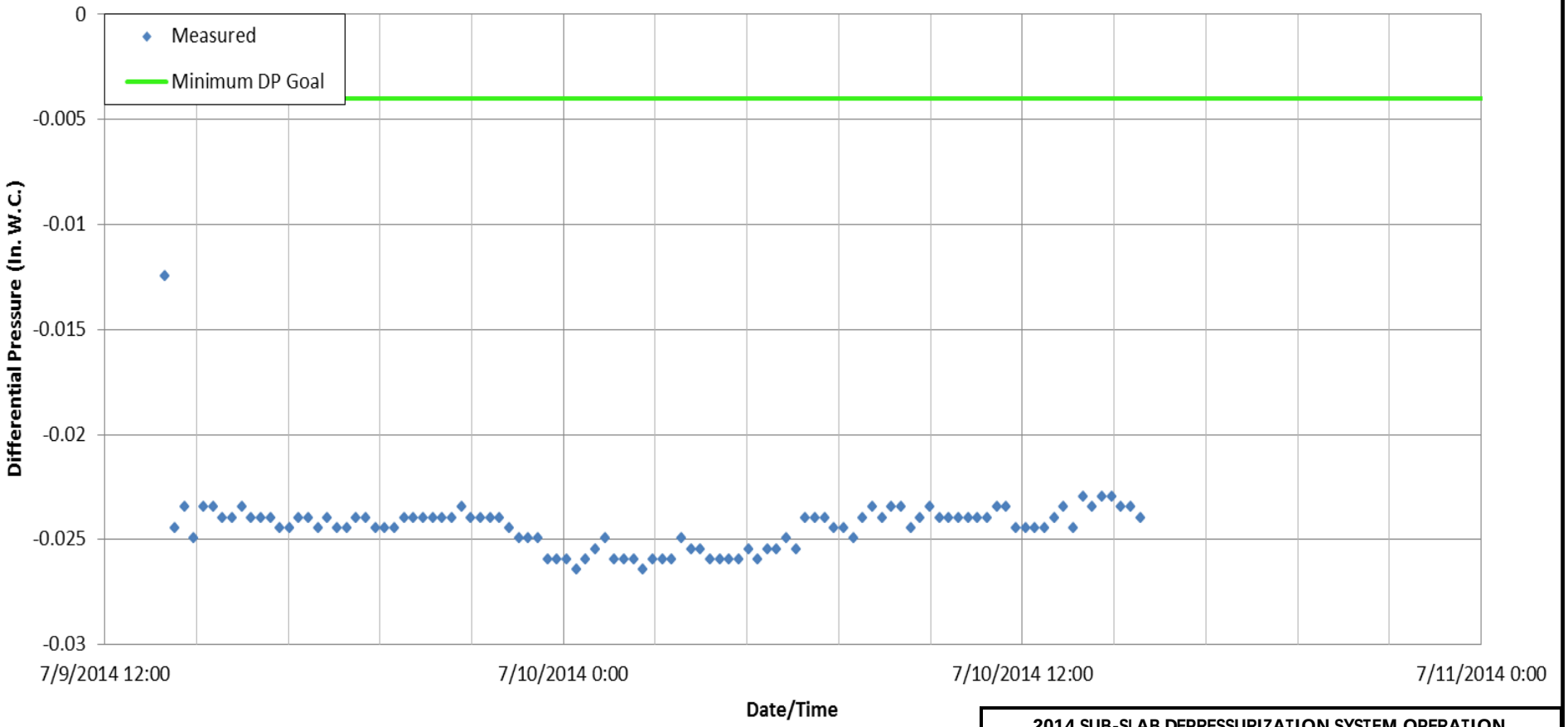
UTICA, NY

VACUUM MONITORING POINT VMP-3C
DIFFERENTIAL PRESSURE DATA
July 9-10, 2014

Stantec

FIGURE
22



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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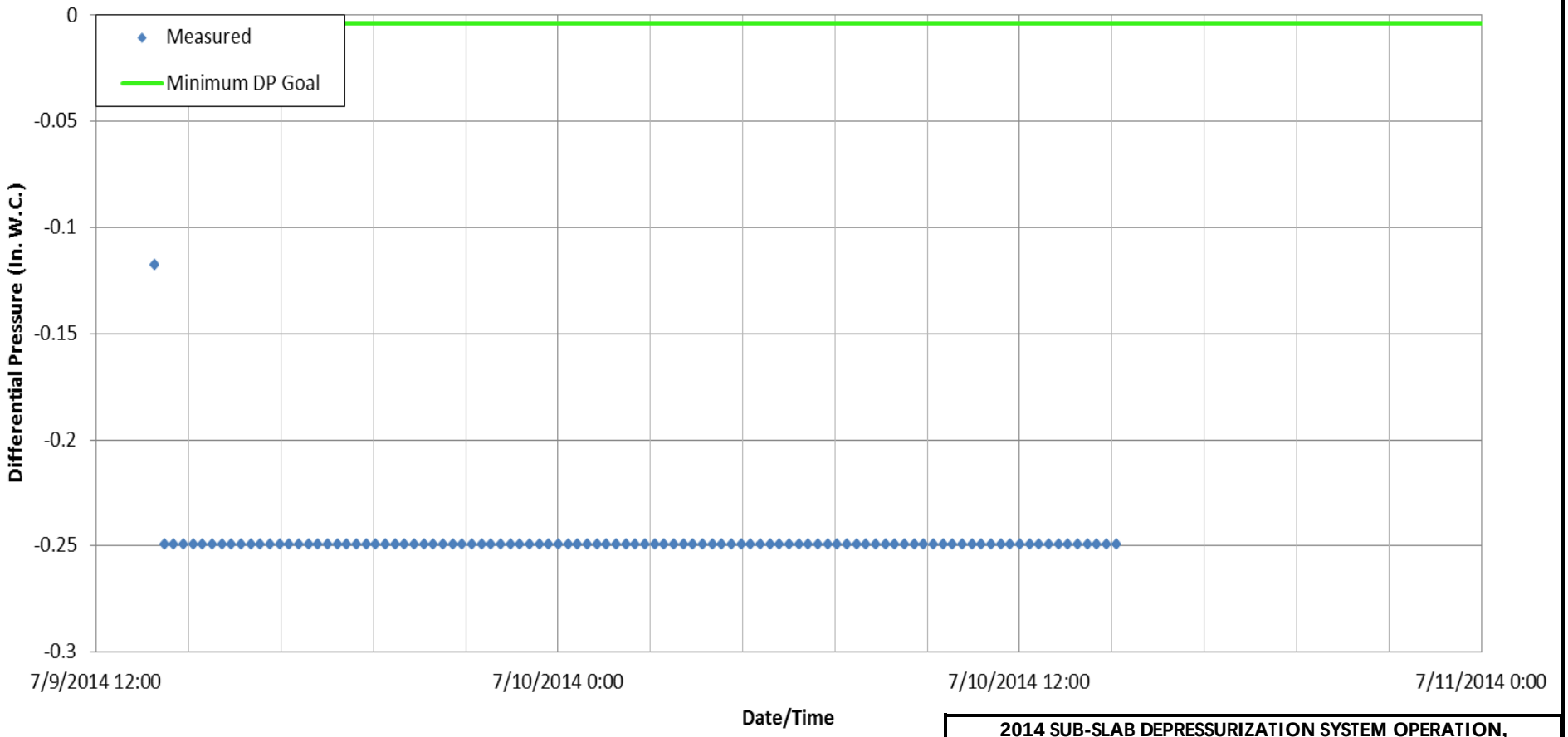
VACUUM MONITORING POINT VMP-3D
DIFFERENTIAL PRESSURE DATA
July 9-10, 2014

Stantec

FIGURE
23



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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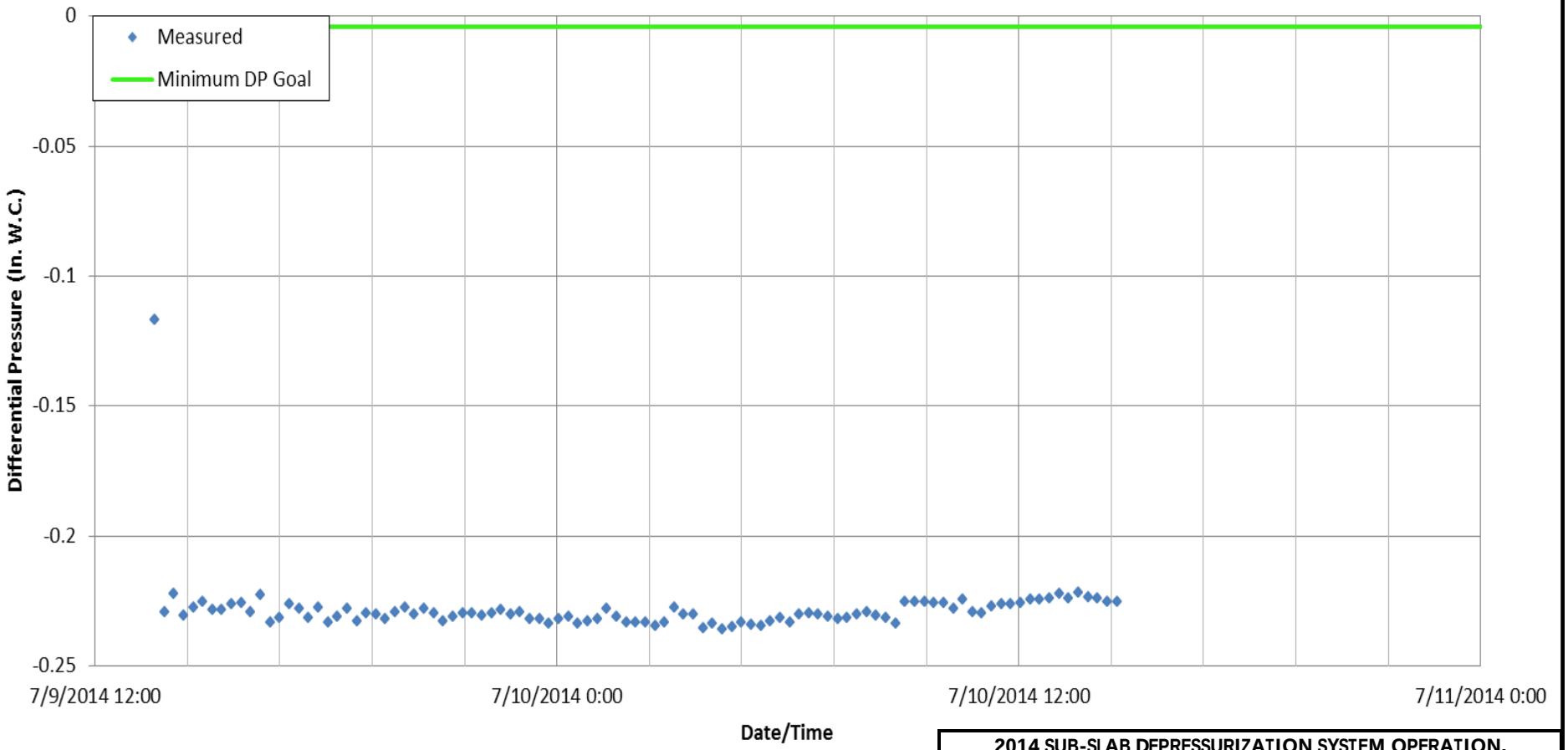
VACUUM MONITORING POINT VMP-5 DIFFERENTIAL PRESSURE DATA July 9-10, 2014

Stantec

FIGURE
24



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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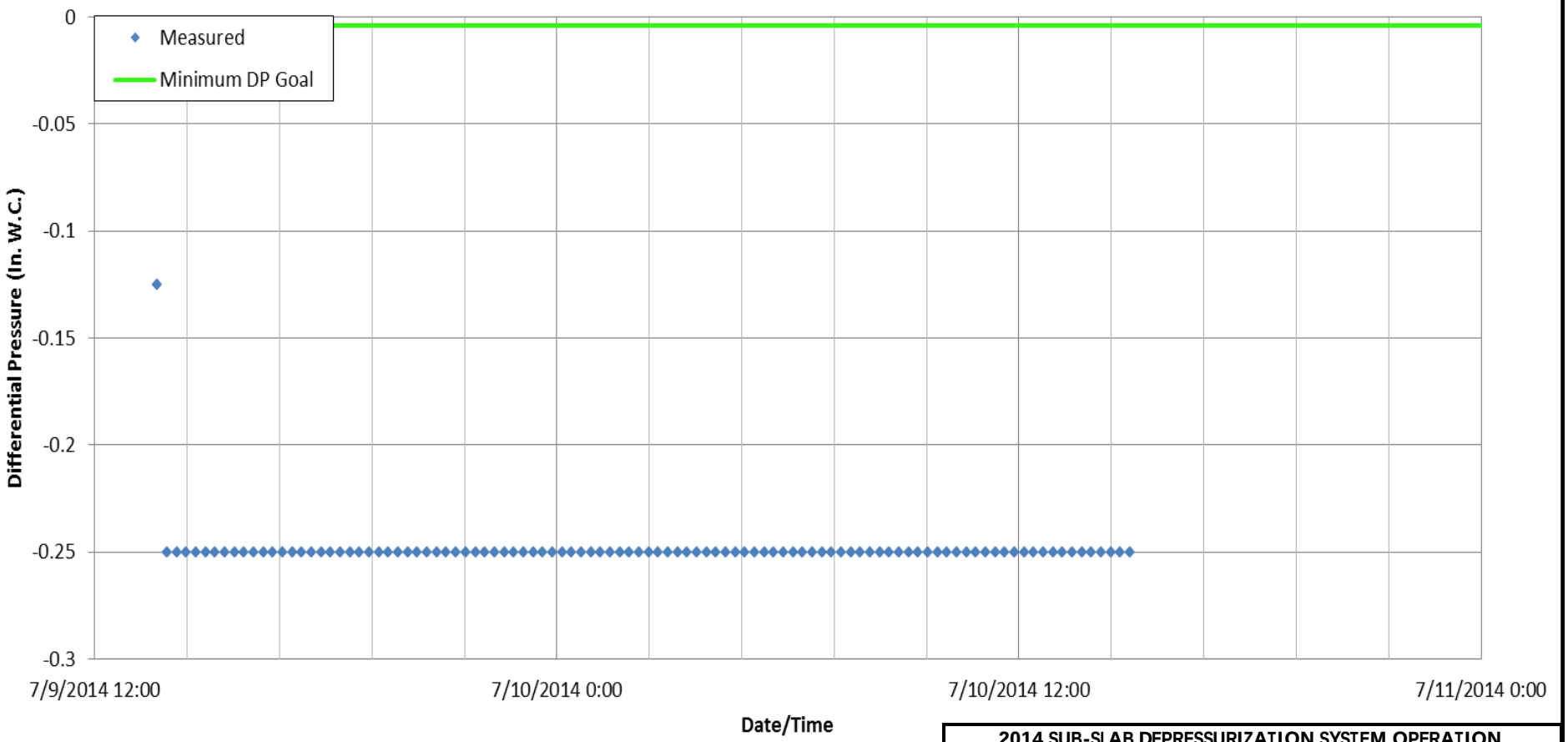
VACUUM MONITORING POINT VMP-6 DIFFERENTIAL PRESSURE DATA July 9-10, 2014

Stantec

FIGURE
25



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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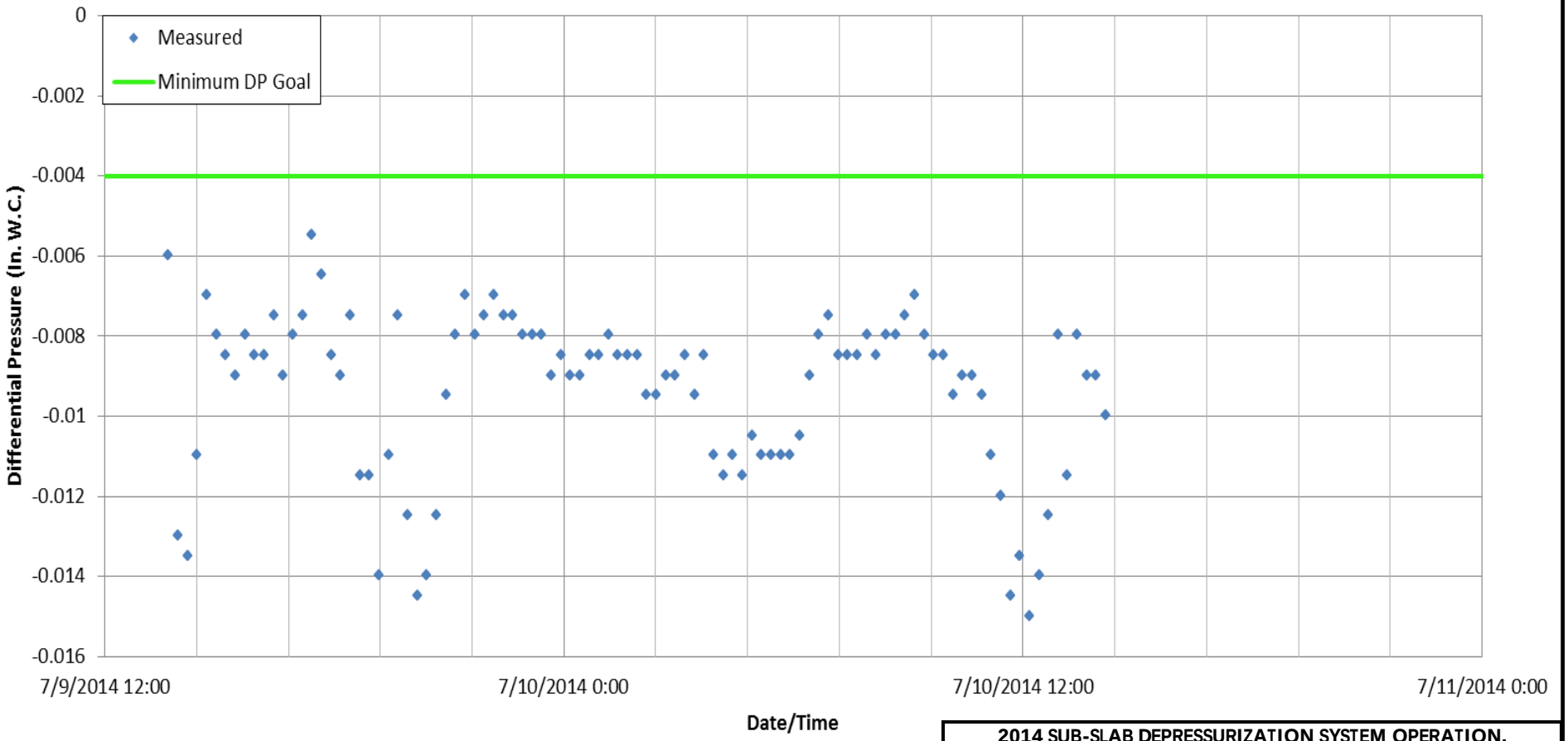
VACUUM MONITORING POINT VMP-6A DIFFERENTIAL PRESSURE DATA July 9-10, 2014

Stantec

FIGURE
26



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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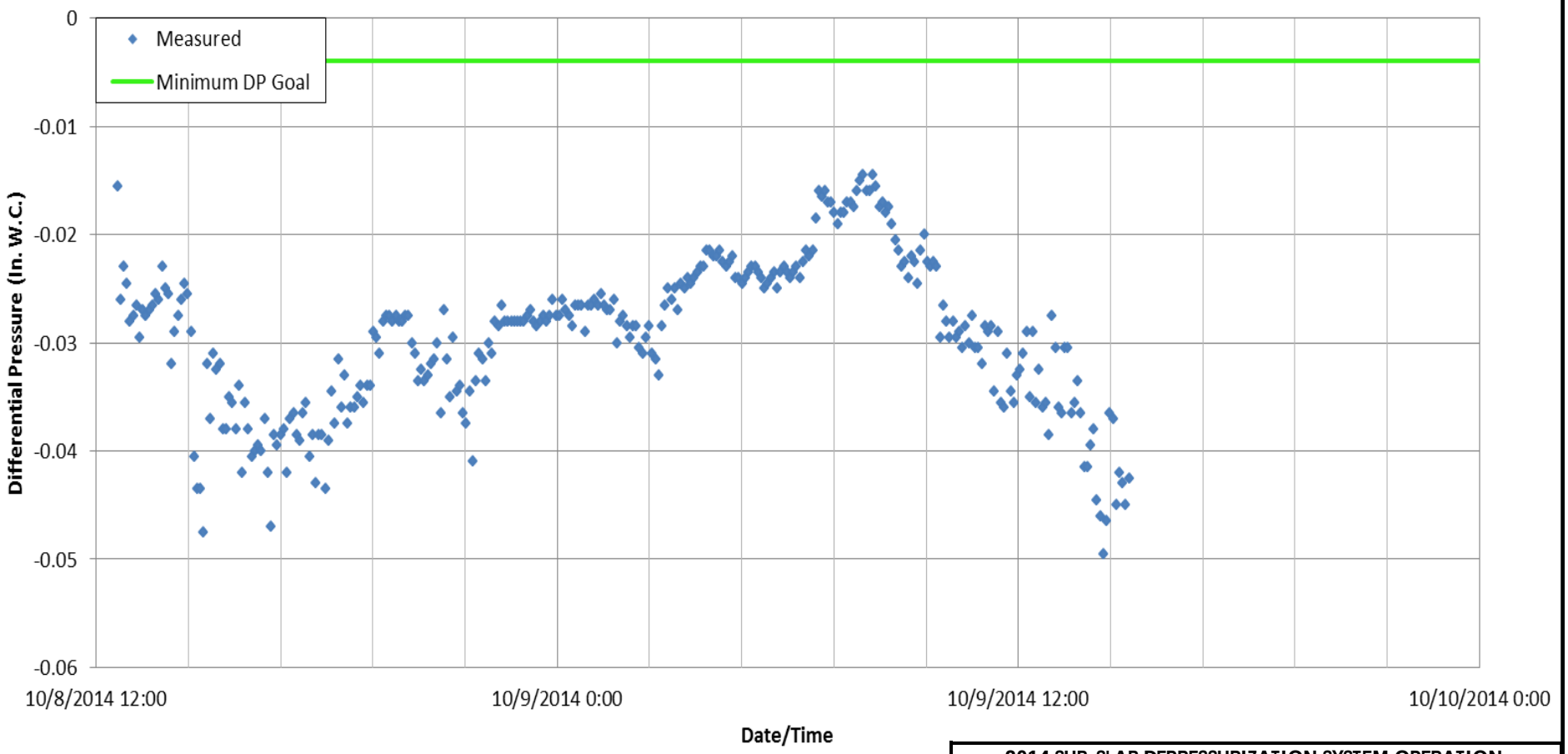
VACUUM MONITORING POINT VMP-8C
DIFFERENTIAL PRESSURE DATA
July 9-10, 2014

Stantec

FIGURE
27



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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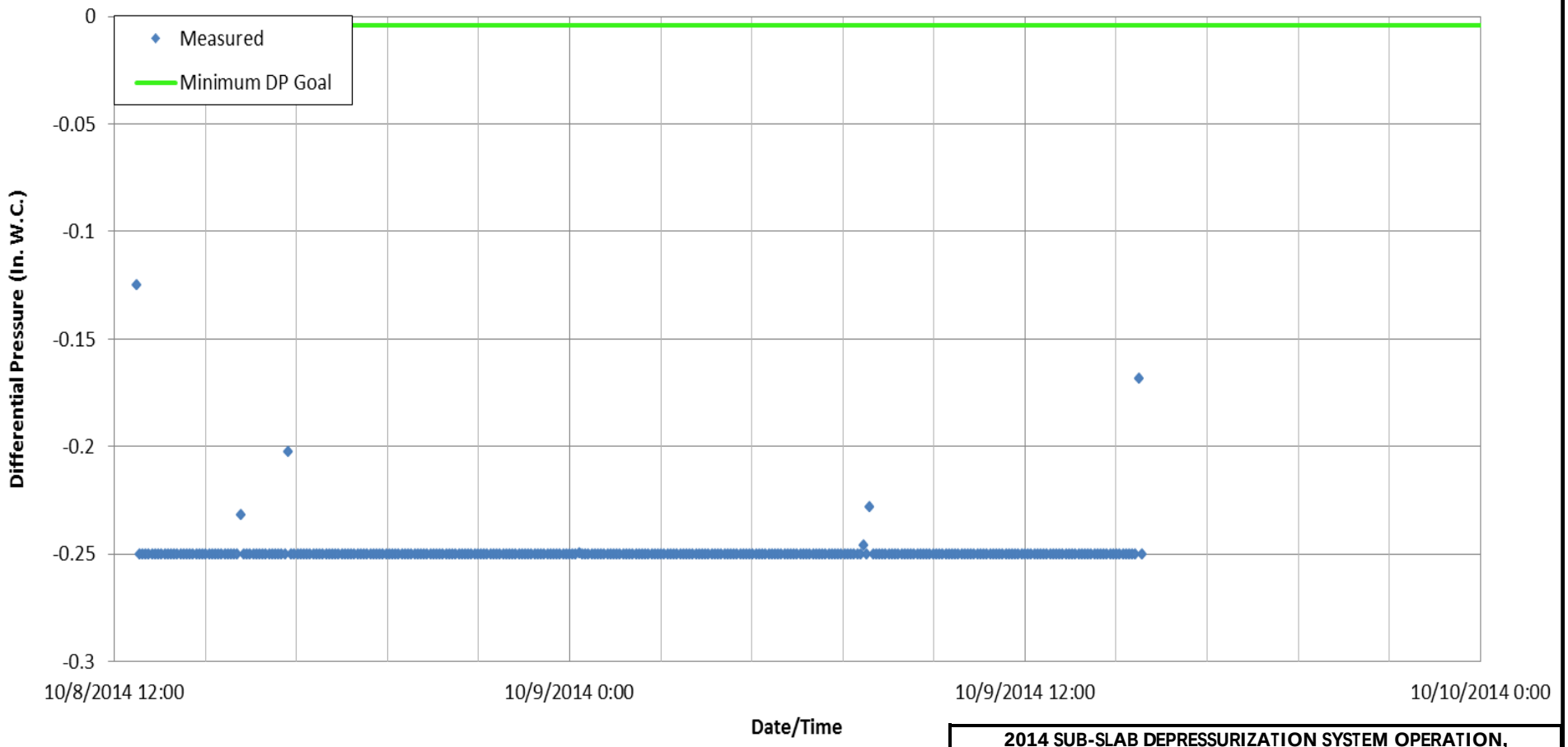
VACUUM MONITORING POINT VMP-1A DIFFERENTIAL PRESSURE DATA October 8-9, 2014

Stantec

FIGURE
28



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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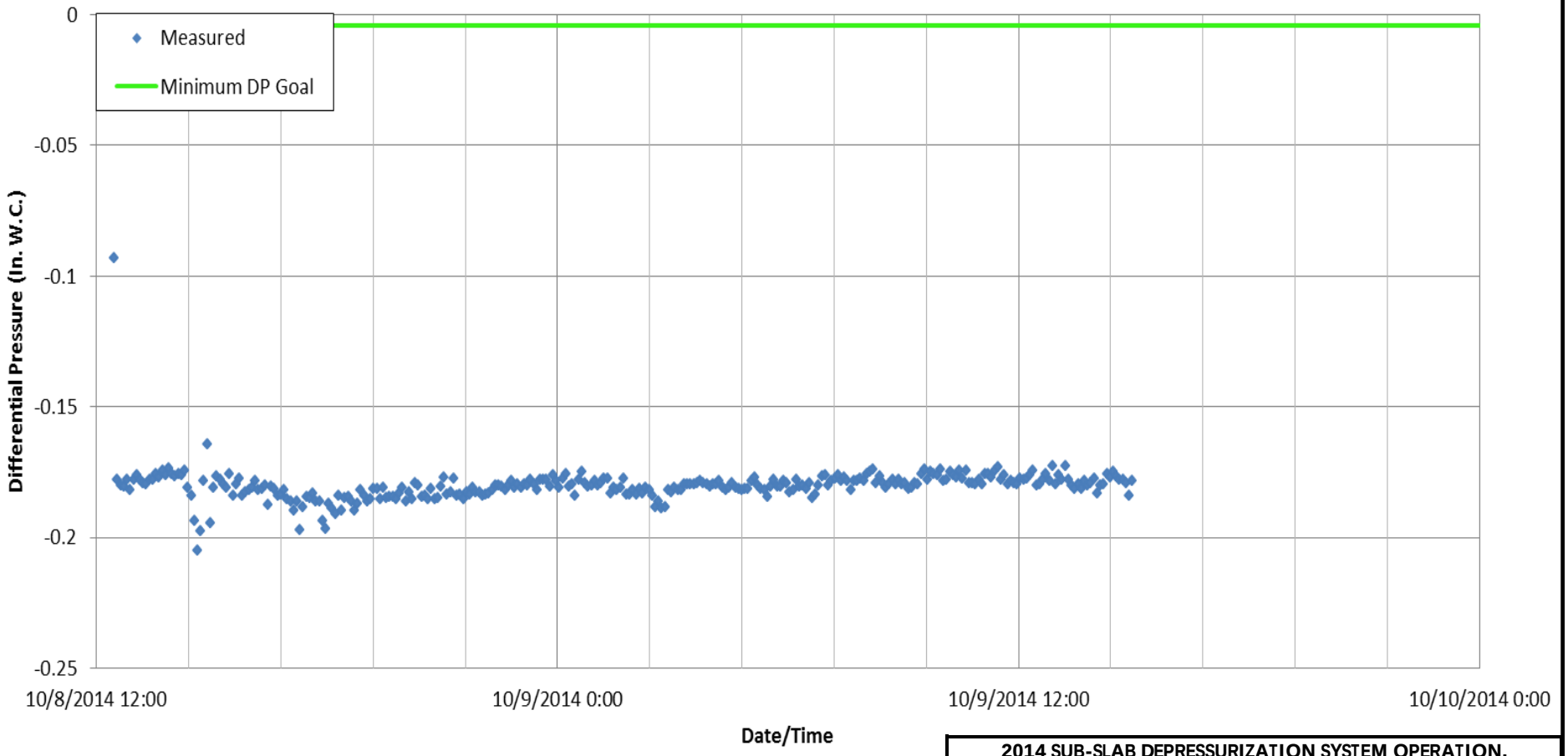
FIGURE
29



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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VACUUM MONITORING POINT VMP-2C
DIFFERENTIAL PRESSURE DATA
October 8-9, 2014

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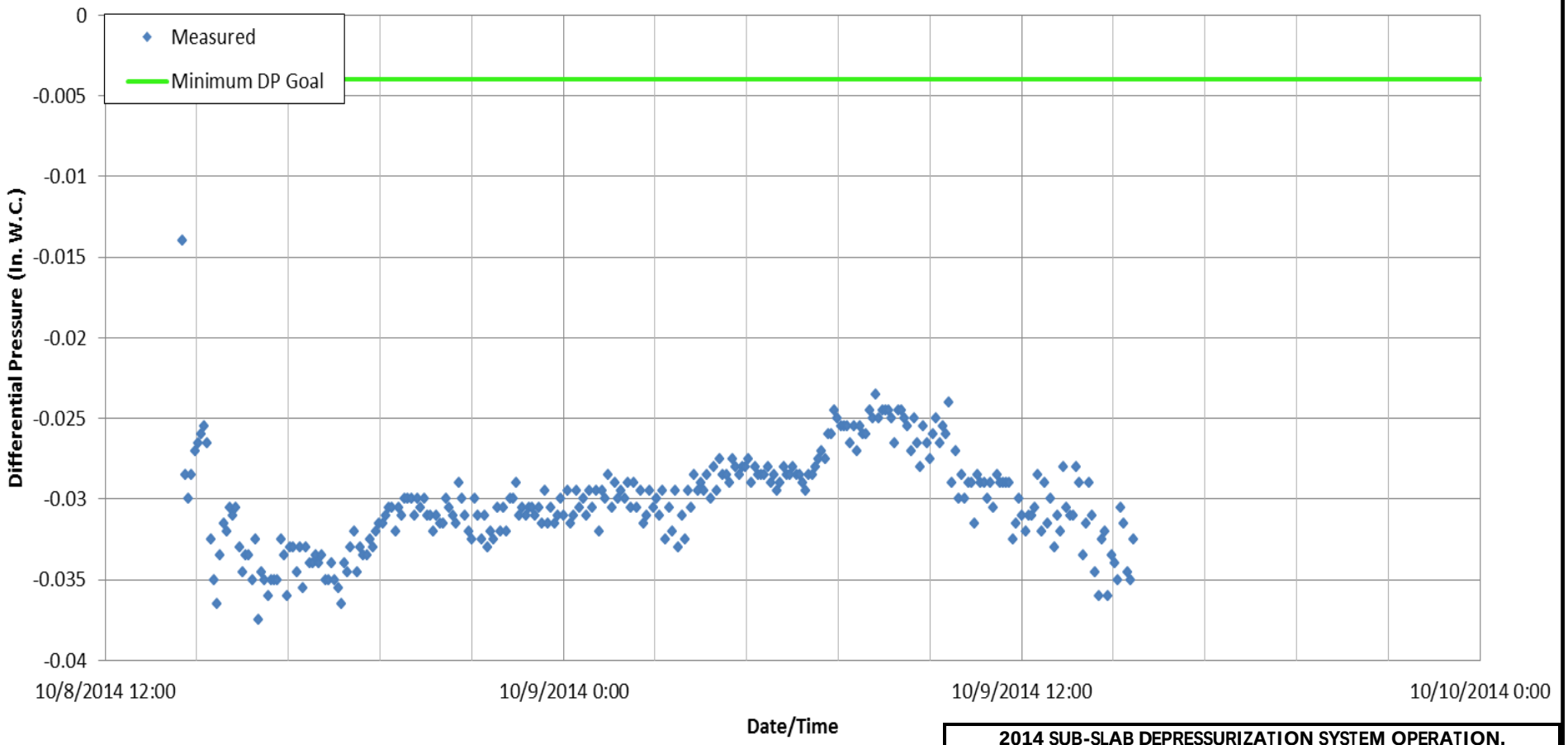
FIGURE
30



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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VACUUM MONITORING POINT VMP-3E
DIFFERENTIAL PRESSURE DATA
October 8-9, 2014

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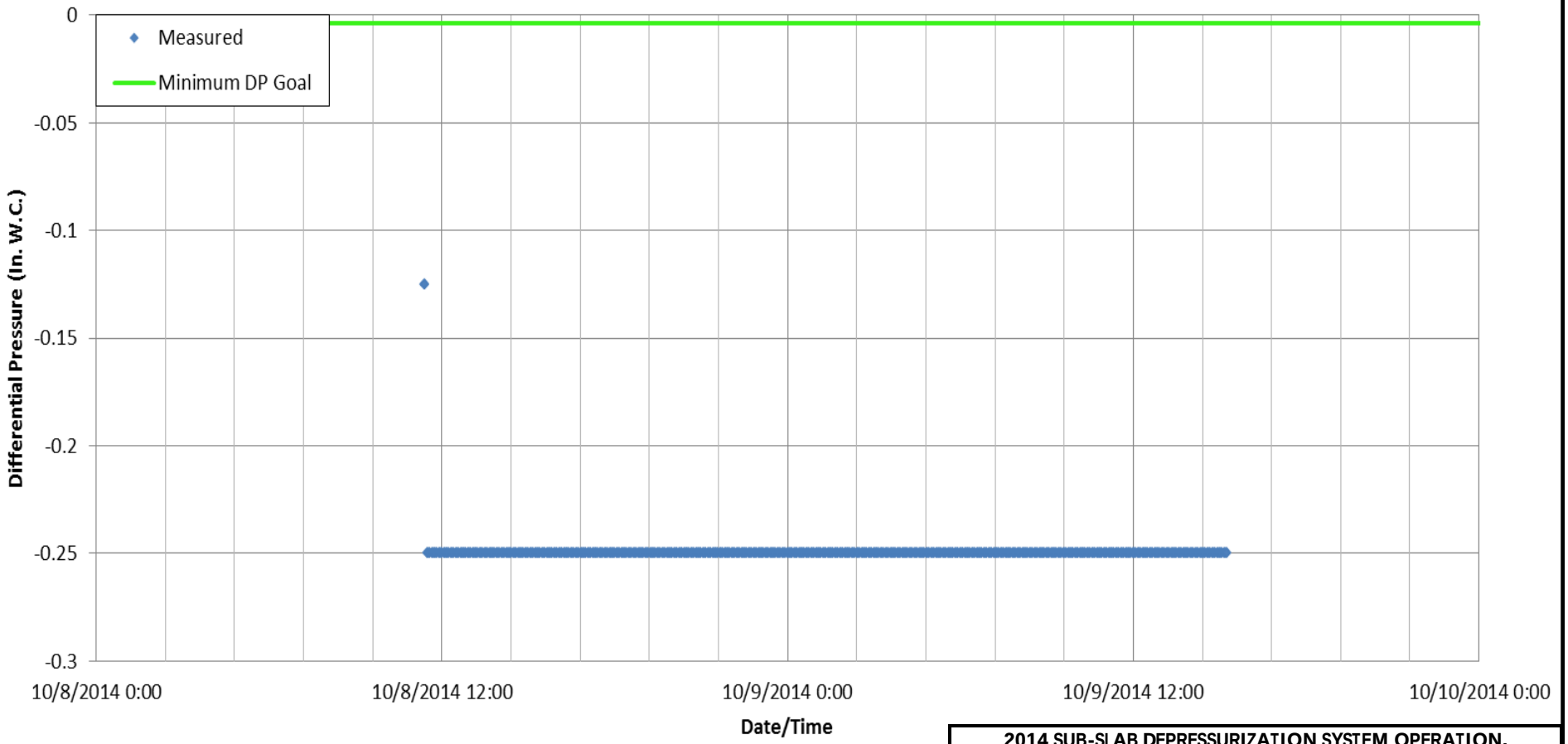
FIGURE
31



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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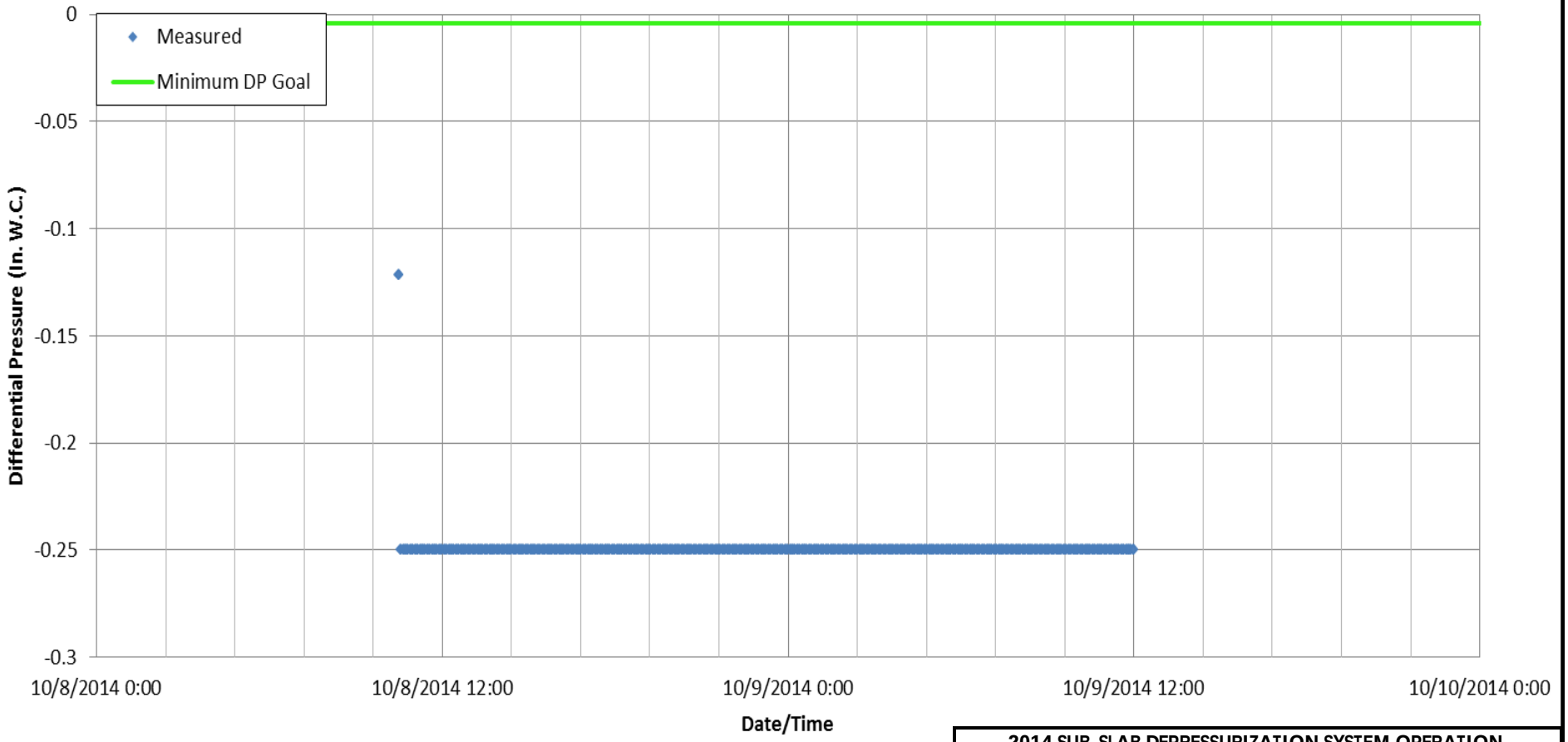
VACUUM MONITORING POINT VMP-6A DIFFERENTIAL PRESSURE DATA
October 8-9, 2014

Stantec

FIGURE
32



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1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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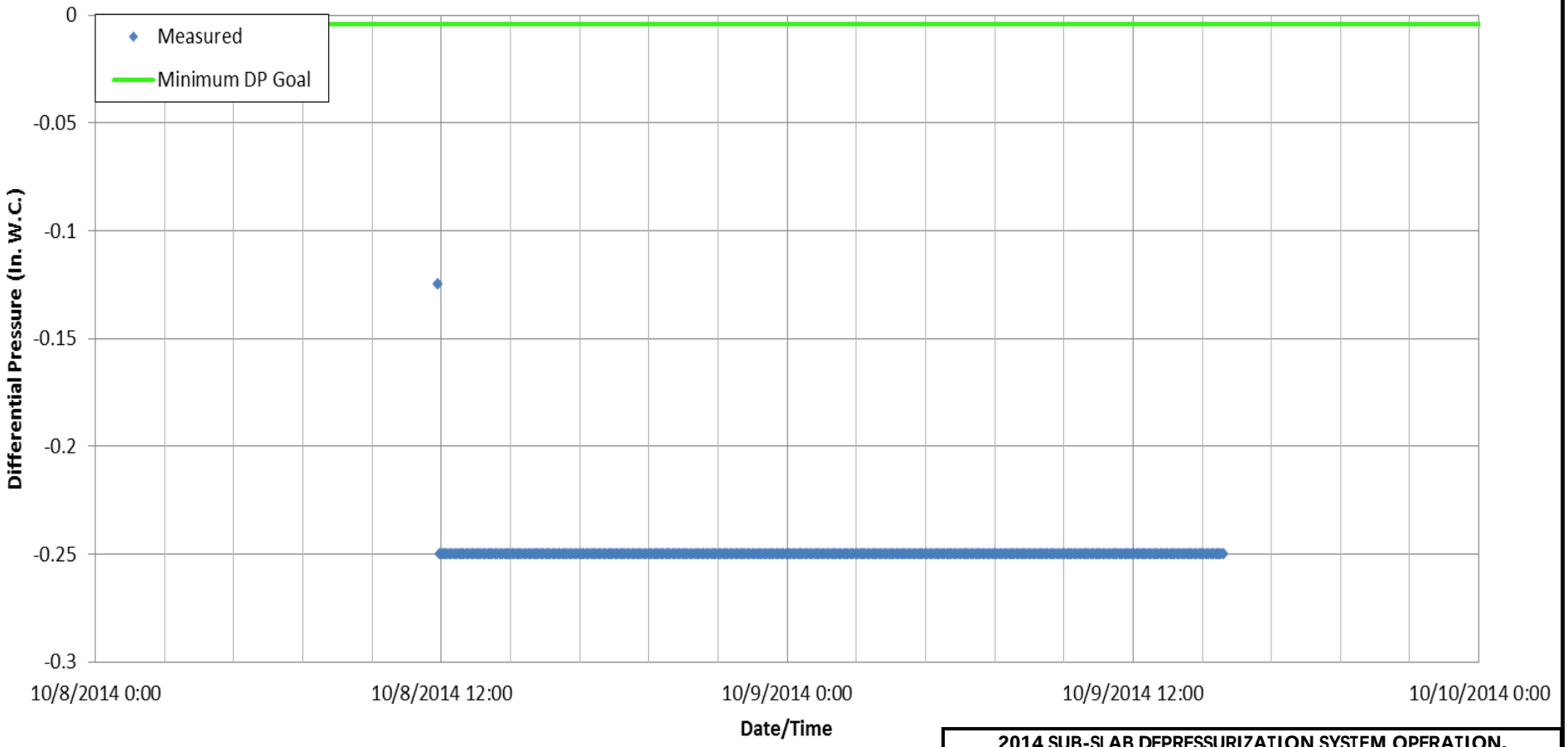
UTICA, NY

VACUUM MONITORING POINT VMP-7
DIFFERENTIAL PRESSURE DATA
October 8-9, 2014

Stantec

FIGURE
33



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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VACUUM MONITORING POINT VMP-7A DIFFERENTIAL PRESSURE DATA October 8-9, 2014

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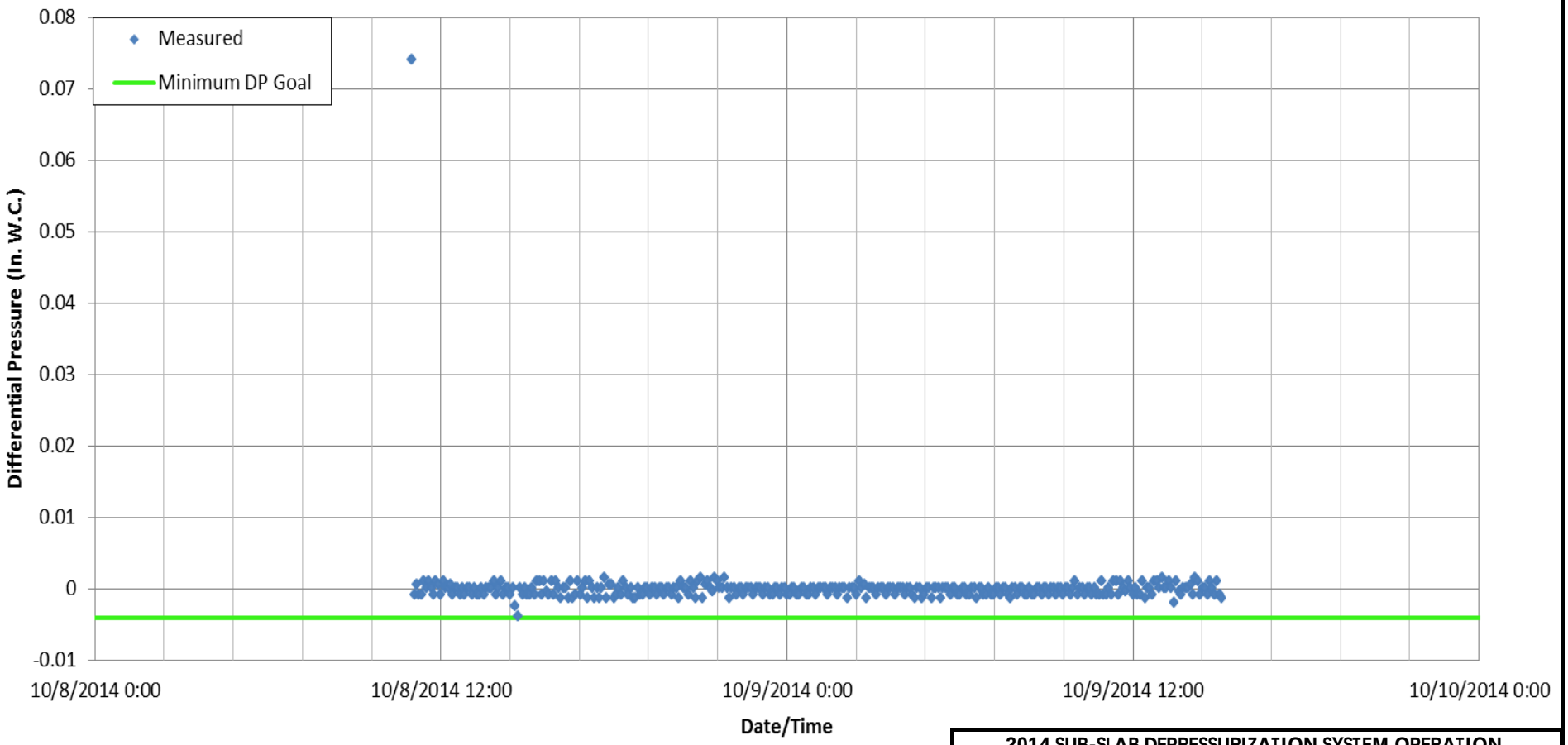
FIGURE
34



Note:
1. in. W.C. = Inches of water column
2. The differential pressure measurement range of the D.P. datalogger instrument is between -0.250 and +0.250. Values exceeding these limits are recorded as the maximum measurable value.

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VACUUM MONITORING POINT VMP-8D
DIFFERENTIAL PRESSURE DATA
October 8-9, 2014

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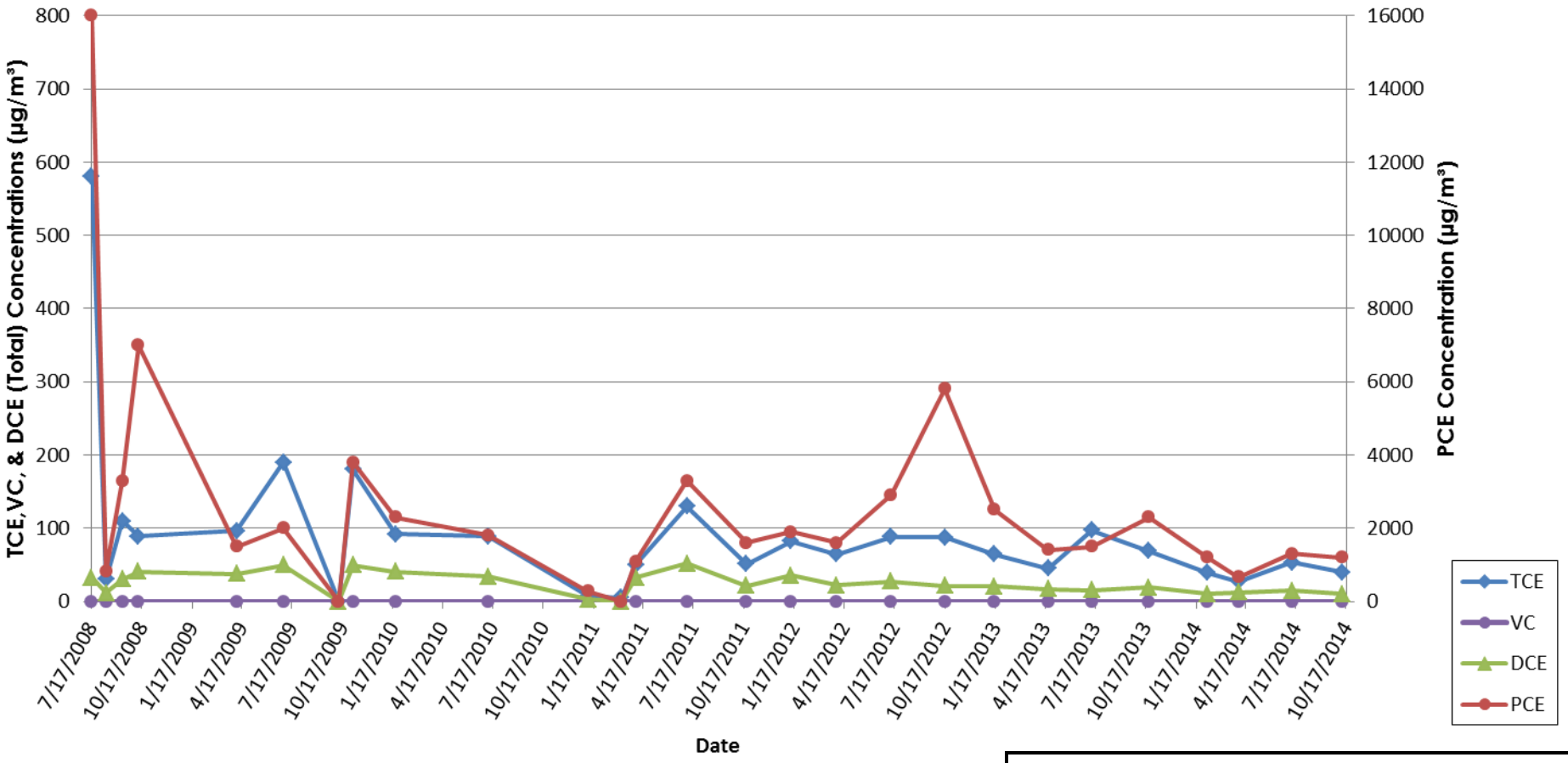
FIGURE
35

SDS-1



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FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY

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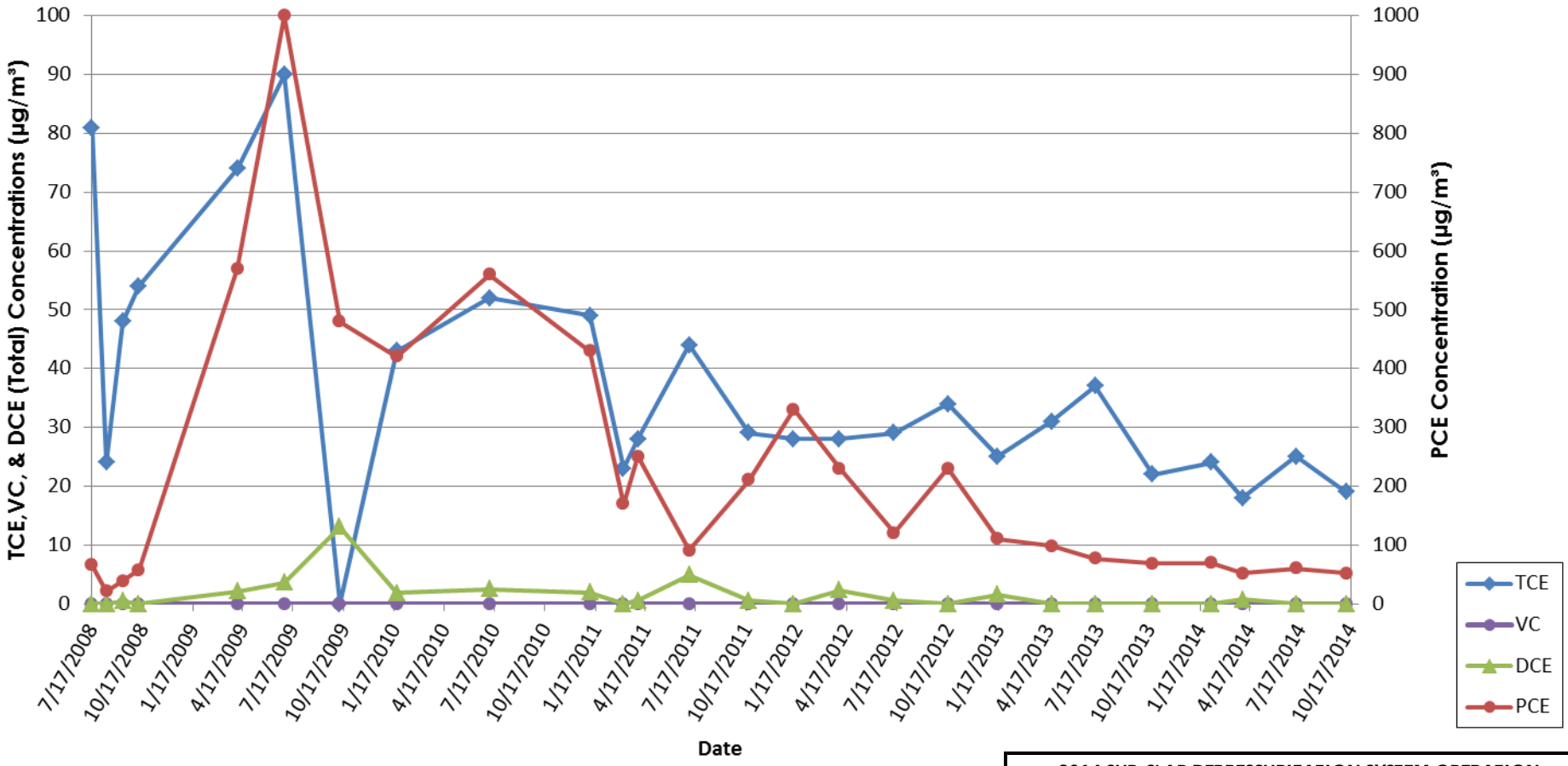
SUMP SDS-1 SELECTED ANALYTE CONCENTRATION RESULTS VS. TIME

Notes:
TCE = Trichloroethene
VC = Vinyl Chloride
DCE (Total) = 1,1-dichloroethene, cis-1,2-dichloroethene, and trans-1,2-dichloroethene
PCE = Tetrachloroethylene

Stantec

FIGURE
36



2014 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY

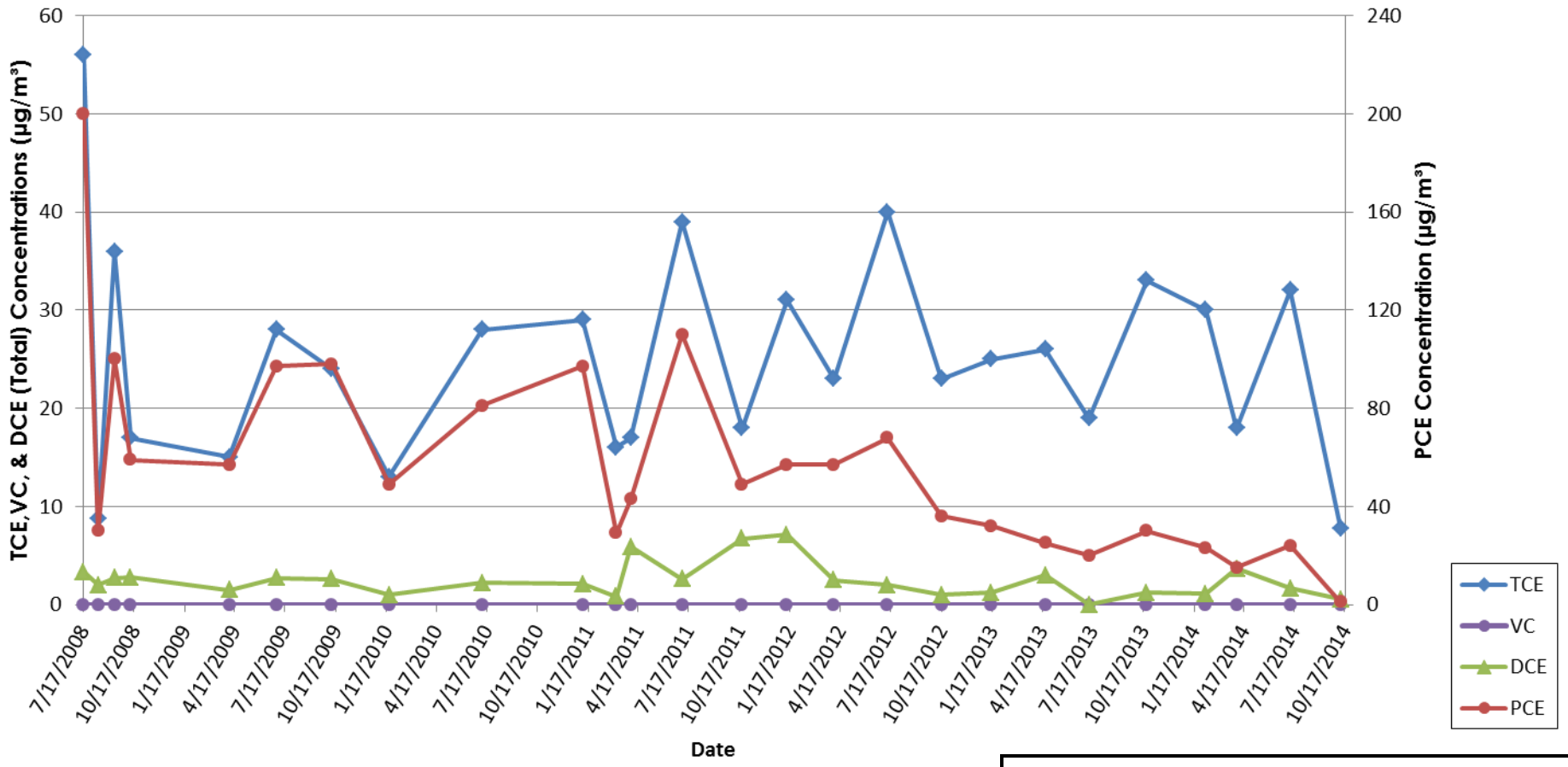
UTICA, NY

SUMP SDS-2 SELECTED ANALYTE CONCENTRATION RESULTS VS. TIME

Notes:
TCE = Trichloroethene
VC = Vinyl Chloride
DCE (Total) = 1,1-dichloroethene, cis-1,2-dichloroethene, and trans-1,2-dichloroethene
PCE = Tetrachloroethylene

Stantec

FIGURE
37



2014 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT

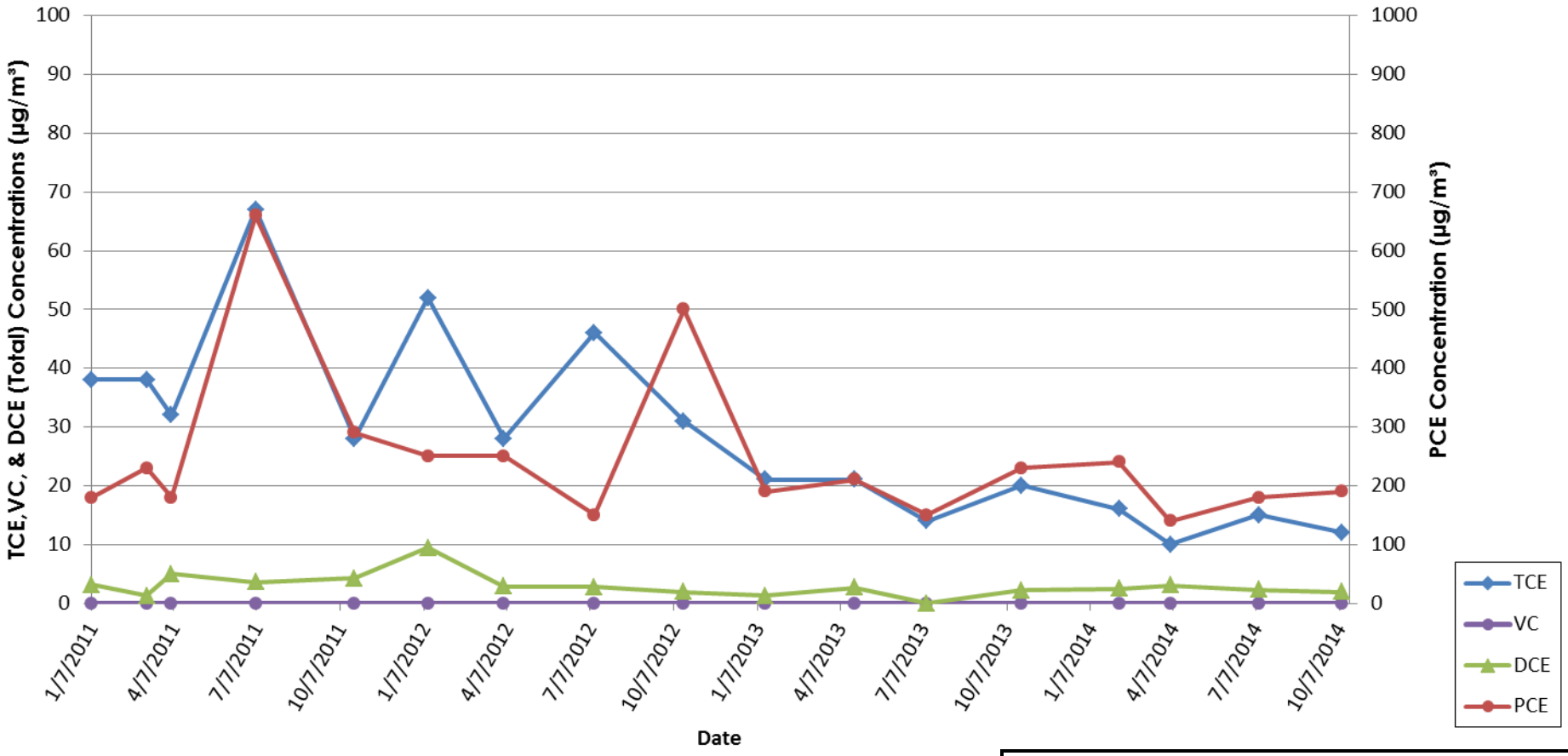
FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NY

SUMP SDS-3 SELECTED ANALYTE CONCENTRATION RESULTS VS. TIME

Notes:
TCE = Trichloroethene
VC = Vinyl Chloride
DCE (Total) = 1,1-dichloroethene, cis-1,2-dichloroethene, and trans-1,2-dichloroethene
PCE = Tetrachloroethylene

Stantec

FIGURE
38



2014 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NY

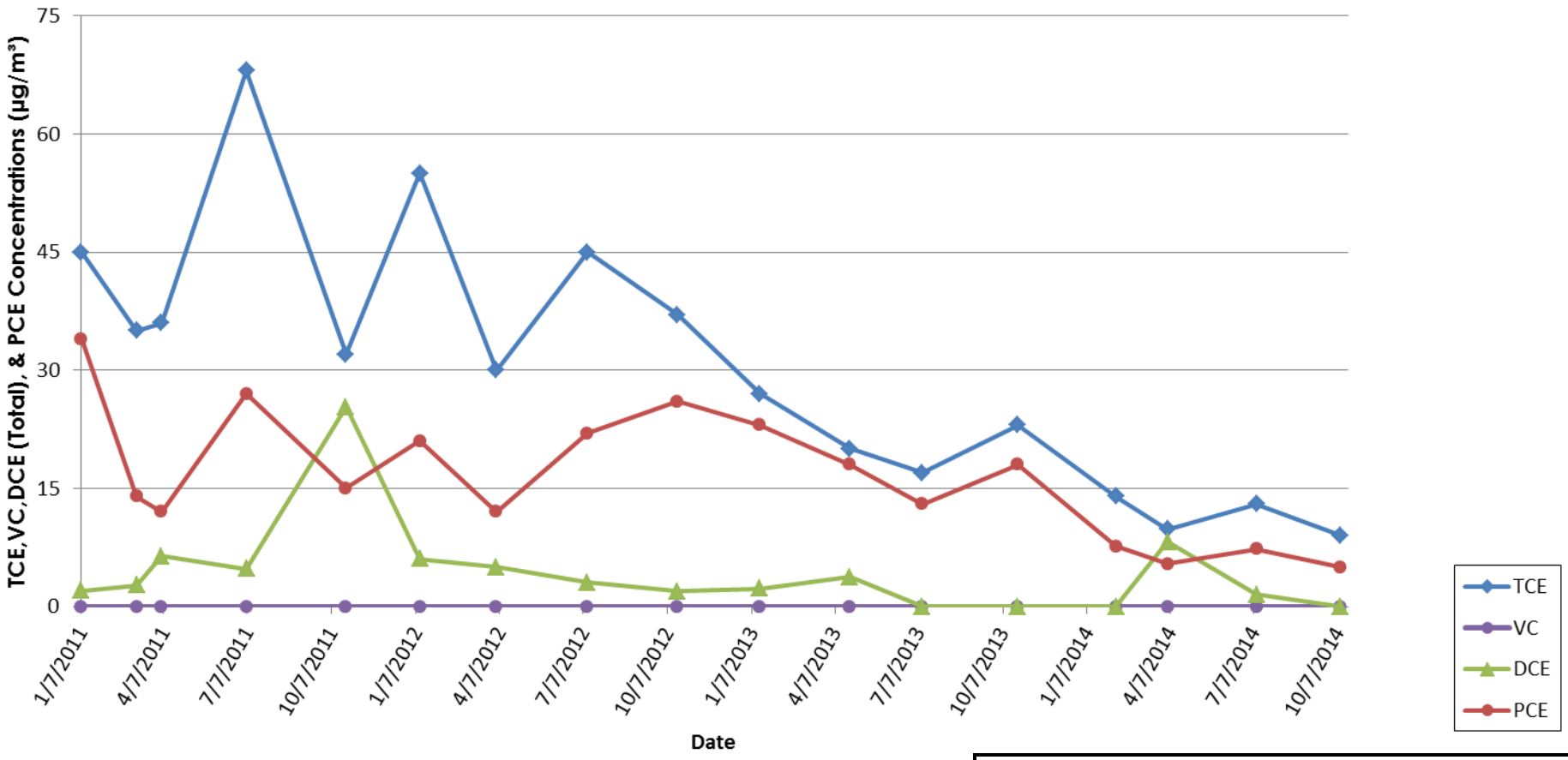
SUMP SDS-4 SELECTED ANALYTE CONCENTRATION RESULTS VS. TIME

Notes:
TCE = Trichloroethene
VC = Vinyl Chloride
DCE (Total) = 1,1-dichloroethene, cis-1,2-dichloroethene, and trans-1,2-dichloroethene
PCE = Tetrachloroethylene

Stantec

FIGURE
39

SDS-5



2014 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NY

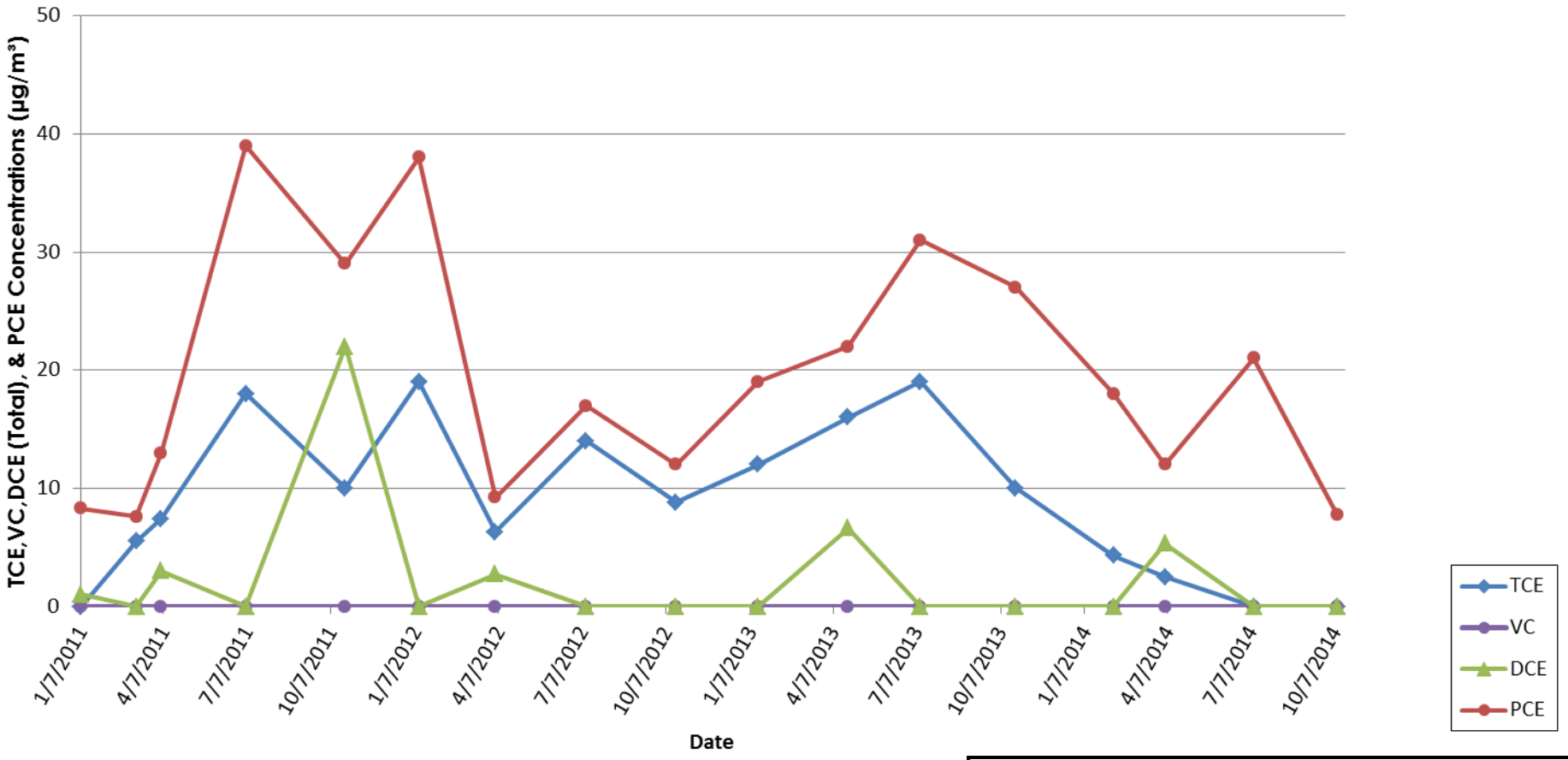
SUMP SDS-5 SELECTED ANALYTE CONCENTRATION RESULTS VS. TIME

Notes:
TCE = Trichloroethene
VC = Vinyl Chloride
DCE (Total) = 1,1-dichloroethene, cis-1,2-dichloroethene, and trans-1,2-dichloroethene
PCE = Tetrachloroethylene

Stantec

FIGURE
40

SDS-6



2014 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY

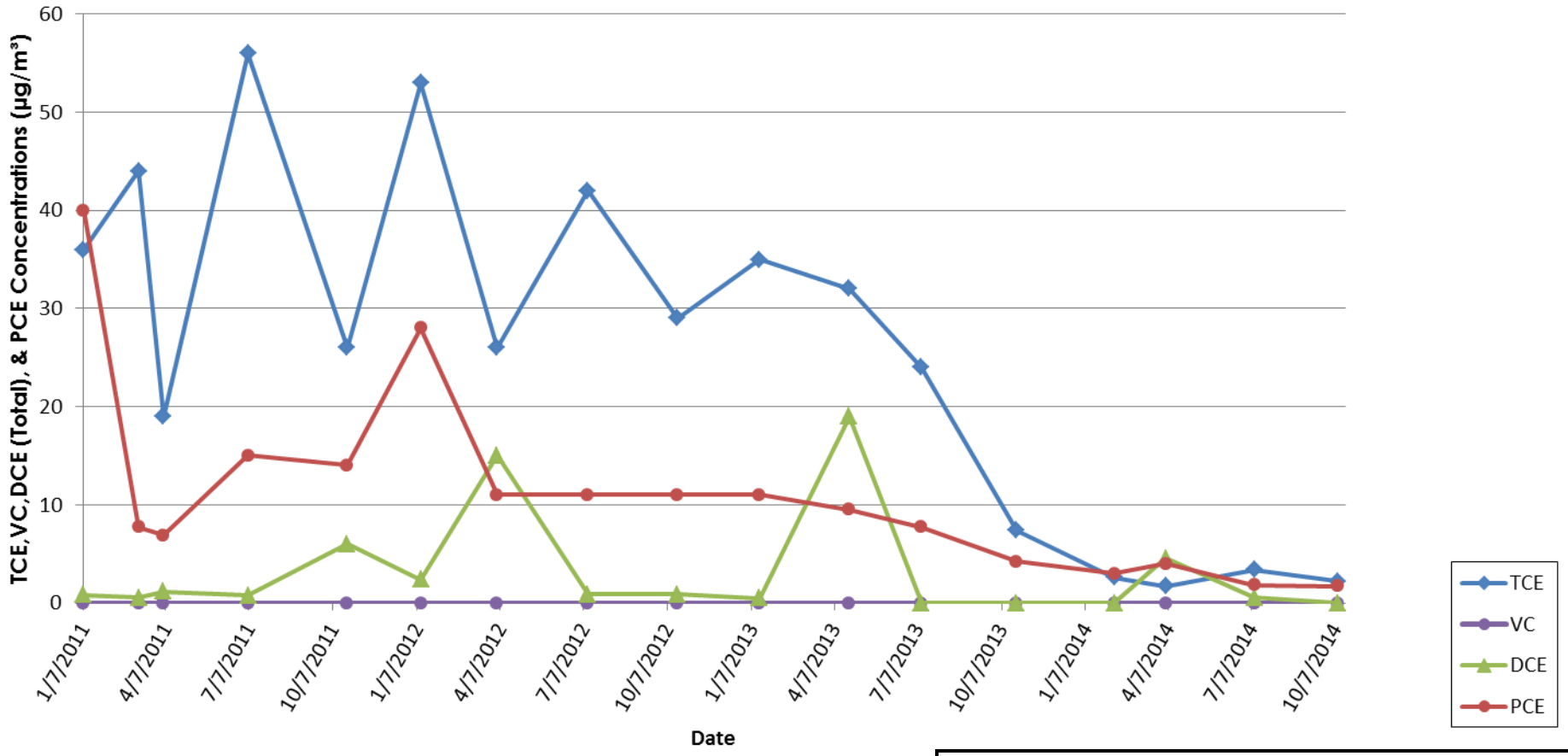
UTICA, NY

SUMP SDS-6 SELECTED ANALYTE CONCENTRATION RESULTS VS. TIME

Notes:
TCE = Trichloroethene
VC = Vinyl Chloride
DCE (Total) = 1,1-dichloroethene, cis-1,2-dichloroethene, and trans-1,2-dichloroethene
PCE = Tetrachloroethylene

Stantec

FIGURE
41



2014 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT

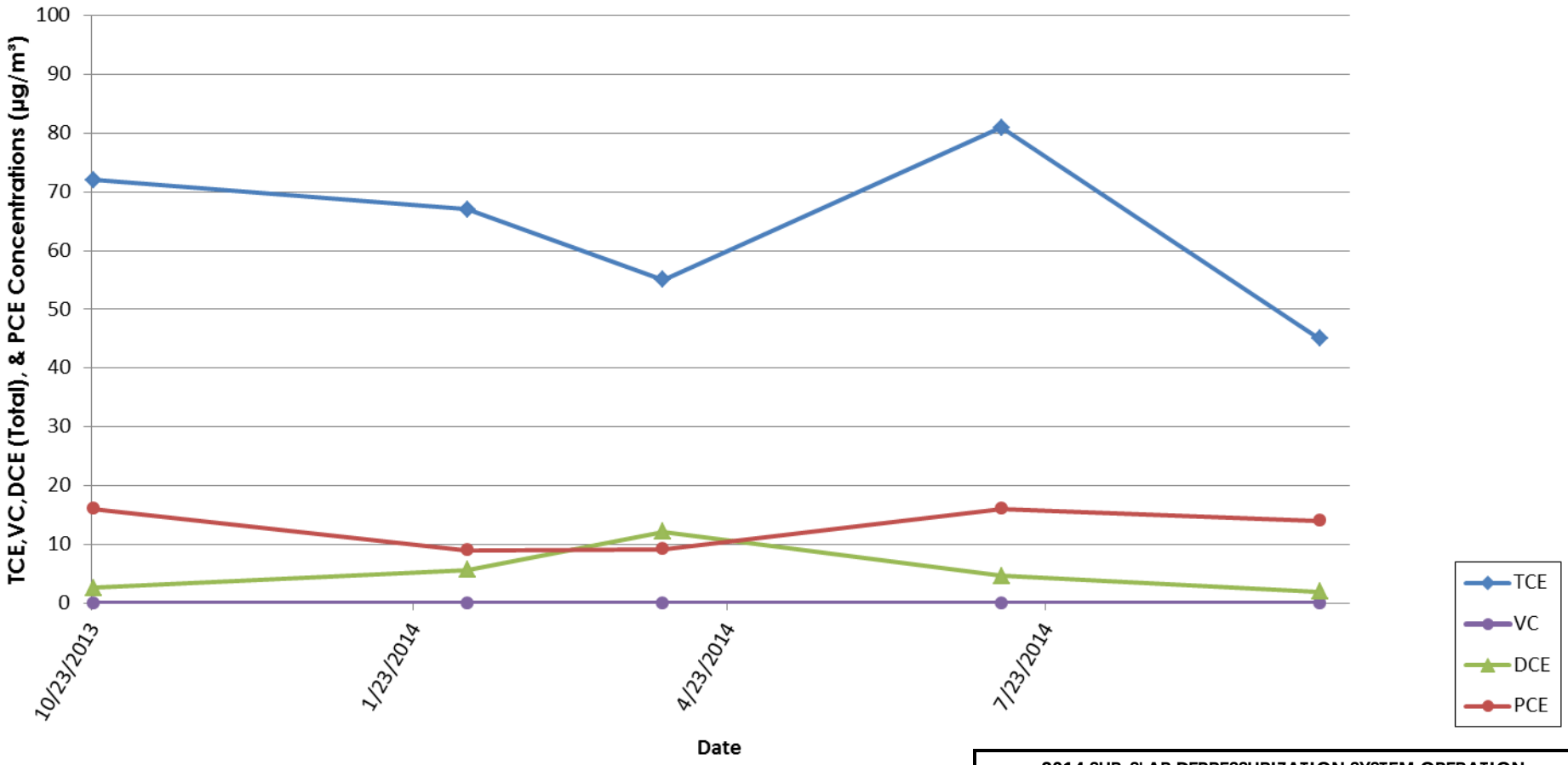
FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NY

SUMP SDS-7 SELECTED ANALYTE CONCENTRATION RESULTS VS. TIME

Notes:
TCE = Trichloroethene
VC = Vinyl Chloride
DCE (Total) = 1,1-dichloroethene, cis-1,2-dichloroethene, and trans-1,2-dichloroethene
PCE = Tetrachloroethylene

Stantec

FIGURE
42



2014 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NY

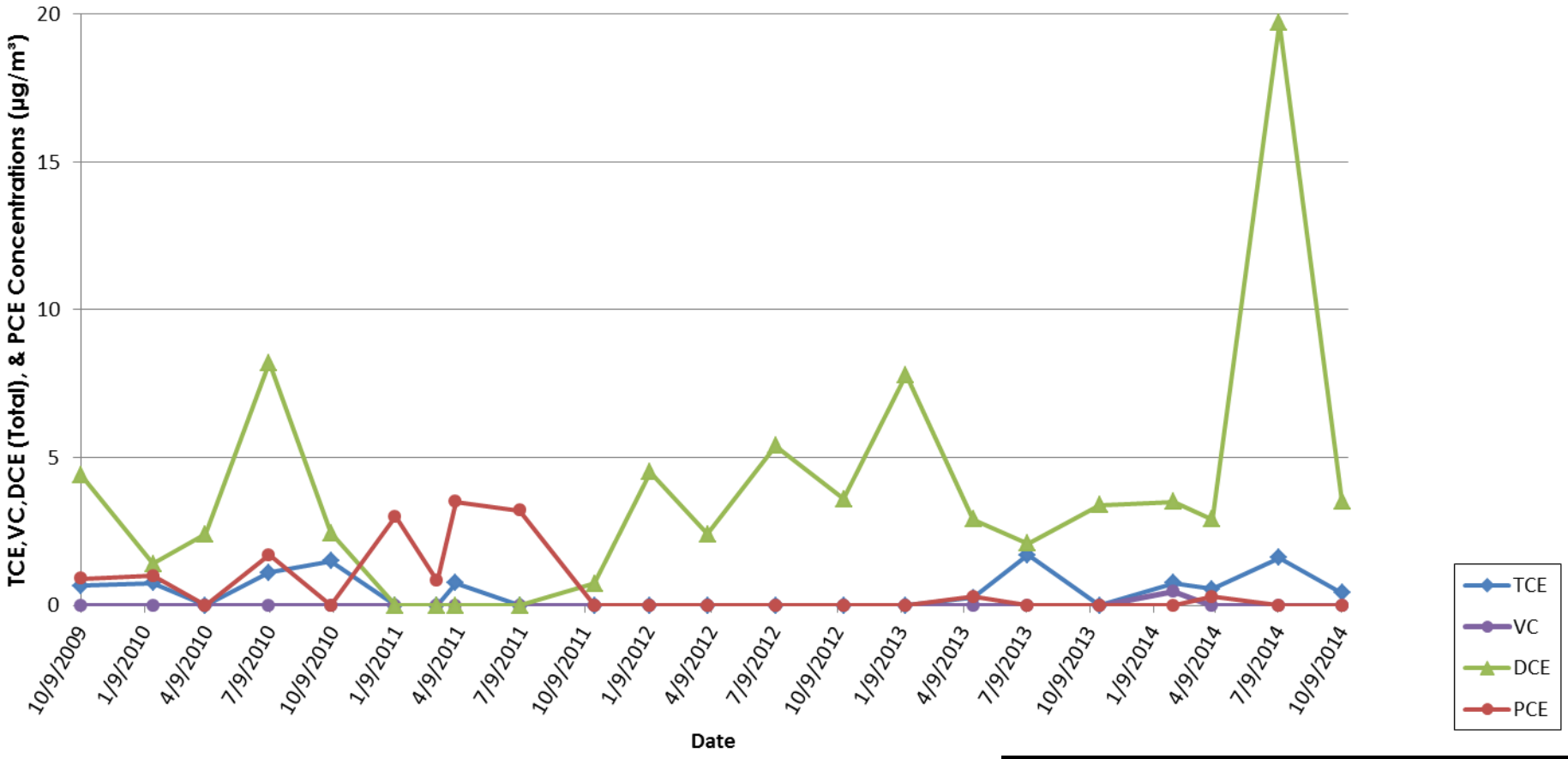
SUMP SDS-8 SELECTED ANALYTE CONCENTRATION RESULTS VS. TIME

Notes:
TCE = Trichloroethene
VC = Vinyl Chloride
DCE (Total) = 1,1-dichloroethene, cis-1,2-dichloroethene, and trans-1,2-dichloroethene
PCE = Tetrachloroethylene

Stantec

FIGURE
43

MID-CARBON



Notes:
TCE = Trichloroethene
VC = Vinyl Chloride
DCE (Total) = 1,1-dichloroethene, cis-1,2-dichloroethene, and trans-1,2-dichloroethene
PCE = Tetrachloroethylene

2014 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT

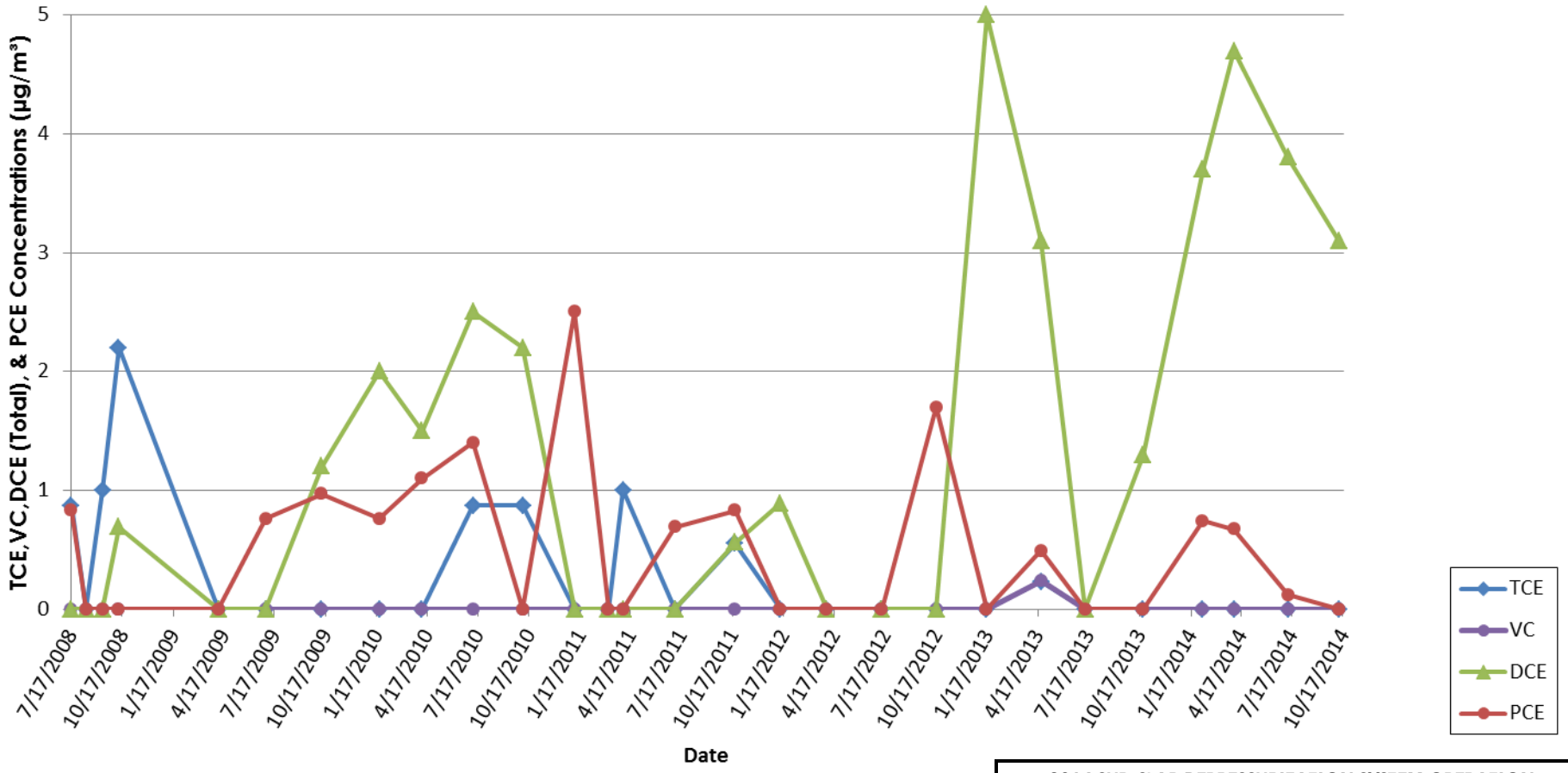
FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NY

MID-CARBON SELECTED ANALYTE CONCENTRATION RESULTS VS. TIME

Stantec

FIGURE
44

CARBON EFFLUENT



2014 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NY

CARBON EFFLUENT SELECTED ANALYTE CONCENTRATION RESULTS VS. TIME

Notes:
TCE = Trichloroethene
VC = Vinyl Chloride
DCE (Total) = 1,1-dichloroethene, cis-1,2-dichloroethene, and trans-1,2-dichloroethene
PCE = Tetrachloroethylene

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FIGURE
45

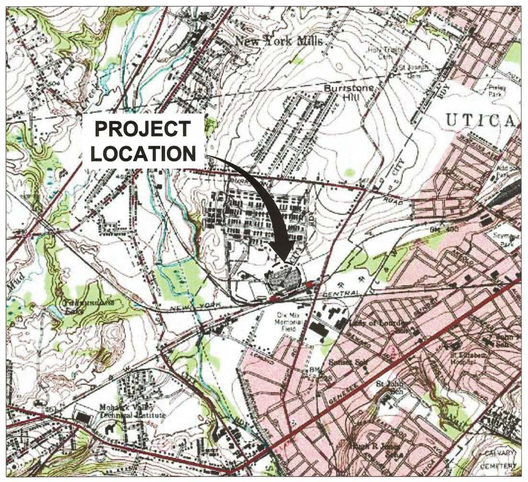
APPENDICES

Appendix A

Record Drawings

RECORD DRAWINGS

SUB-SLAB DEPRESSURIZATION SYSTEM AT FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY



REFERENCE: BASE MAP USGS 7.5 MINUTE QUADRANGLE., UTICA WEST, 1955

LOCATION MAP

0 2000' 4000'
GRAPHIC SCALE



NEW YORK

DATE ISSUED
DECEMBER 2013

LOCKHEED MARTIN CORPORATION
UTICA, NEW YORK

ARCADIS

ARCADIS OF NEW YORK, INC.

INDEX TO DRAWINGS

GENERAL

G-1 SUB-SLAB DEPRESSURIZATION SYSTEM LAYOUT

G-2 SSDS SUMP, MONITORING POINT, AND MISCELLANEOUS PIPING DETAILS

MECHANICAL

M-1 EQUIPMENT LEGEND, DESCRIPTIONS, SPECIFICATIONS, AND CONTROL LOGIC

M-2 PIPING AND INSTRUMENTATION DIAGRAM

M-3 EQUIPMENT LAYOUT AND MISCELLANEOUS DETAILS

ELECTRICAL

E-1 ELECTRICAL SINGLE LINE DIAGRAM

E-2 ELECTRICAL LAYOUT DRAWING

RECORD DRAWINGS

TO THE BEST OUR KNOWLEDGE, INFORMATION AND BELIEF, THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE PROJECT AS CONSTRUCTED.

DATE: 1/28/14 BY: [signature]

CITY:SYRACUSE-NY DIV/GROUP:ENVCAD DB:G.STEINBERGER LD: PIC:D. SAUDA PM:C. MOTTA TM:J. BONSTEEL LYR:ON=*;OFF=*REF*
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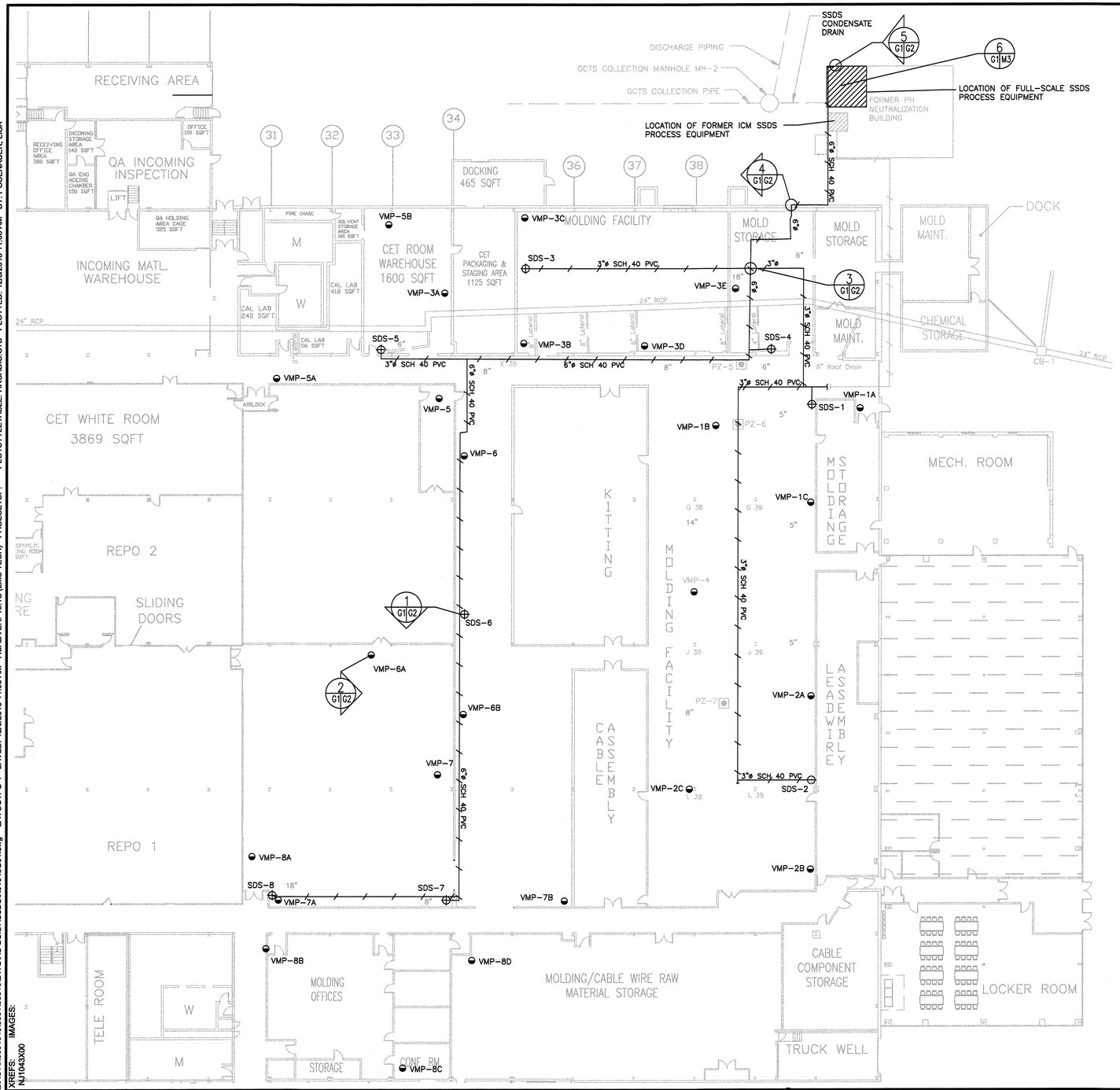

LEGEND

- PZ-7 — LOCATION OF EXISTING PIEZOMETER
- SDS-1 — LOCATION OF SUBSLAB DEPRESSURIZATION SUMP (SDS)
- VMP-1A — LOCATION OF VACUUM MONITORING POINT (VMP)
- LOCATION OF SUBSLAB DEPRESSURIZATION ABOVE GRADE PIPING 6"ø HEADER
- LOCATION OF SUBSLAB DEPRESSURIZATION ABOVE GRADE PIPING 3"ø LATERALS
- 5" — SLAB THICKNESS BASED ON RECORD DRAWINGS PROVIDED BY CONMED CORPORATION AND/OR FIELD OBSERVATIONS
- 35 — BUILDING COLUMN LINE IDENTIFICATION
- 24" RCP — ACTIVE FACILITY STORM SEWER

N — NYS GRID

Location ID	Northing	Easting	Elevation
SDS-1	1,127,795.9	1,167,718.1	508.6
SDS-2	1,127,676.1	1,167,767.6	508.6
SDS-3	1,127,810.1	1,167,607.0	508.6
SDS-4	1,127,807.8	1,167,694.9	N/A
SDS-5	1,127,755.5	1,167,571.9	N/A
SDS-6	1,127,681.6	1,167,631.4	N/A
SDS-7	1,127,589.7	1,167,665.6	N/A
SDS-8	1,127,568.1	1,167,609.4	N/A
VMP 1A	1,127,800.5	1,167,731.9	508.5
VMP 1B	1,127,771.2	1,167,694.5	508.5
VMP 1C	1,127,764.8	1,167,731.3	508.5
VMP 2A	1,127,707.9	1,167,754.3	508.5
VMP 2B	1,127,647.5	1,167,779.4	508.5
VMP 2C	1,127,657.9	1,167,729.7	508.5
VMP 3A	1,127,782.5	1,167,582.0	508.4
VMP 3B	1,127,779.1	1,167,615.8	508.5
VMP 3C	1,127,817.4	1,167,599.9	508.2
VMP 3D	1,127,790.7	1,167,652.7	508.4
VMP 3E	1,127,823.4	1,167,676.3	508.5
VMP-5A	1,127,732.9	1,167,541.0	508.6
VMP-5B	1,127,788.7	1,167,556.7	508.5
VMP-6	1,127,730.1	1,167,612.7	508.6
VMP-6A	1,127,653.4	1,167,600.5	508.6
VMP-6B	1,127,654.7	1,167,643.4	508.7
VMP-7A	1,127,565.9	1,167,611.4	508.6
VMP-7B	1,127,604.9	1,167,703.7	508.5
VMP-8A	1,127,577.7	1,167597.8	508.6
VMP-8B	1,127550.2	1,167614.6	508.5
VMP-8C	1,127530.5	1,167674.1	508.5
VMP-8D	1,127,573.9	1,167,681.8	508.5

NOTE:

1. BASE DRAWING SOURCE: CONMED, TITLE: FRENCH ROAD BLOCK PLAN PROPOSED SPACE UTILIZATION, DRAWING NO:FR001, DATE: 01/28/94. CONMED SOURCE DRAWING: LOCKHEED MARTIN DRAWING NUMBER RFABLK.DWG JEG 31OCT94.
2. SDS AND VMP LOCATIONS SURVEYED BY THEW ASSOCIATES, LPS IN 2011. REFERENCE DRAWING UK156-10-07.
3. THIS SURVEY IS REFERENCED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) AND PROJECTED ON THE NEW YORK STATE PLAN COORDINATE SYSTEM (CENTRAL ZONE).
4. THE REFERENCED HORIZONTAL CONTROL STATION IS A GPS CONTINUOUSLY OPERATING REFERENCE STATION (CORS) DESIGNATED AS "ROME CORS ARP" (NYRM). NYRM IS A SPECIAL HORIZONTAL AND VERTICAL CONTROL STATION ESTABLISHED BY NATIONAL GEODETIC SURVEY IN JULY 1997.
5. THE SDS AND VMP LOCATIONS SHOWN HERE ARE BASED ON AN INSTRUMENT SURVEY COMPLETED IN 2010 BY THEW ASSOCIATES, LPS.
6. TYPICAL STRAIGHT 3" SCH 40 PVC PIPE RUN CONNECTIONS TO BE MADE WITH 3" SOC X 3" SOC SCH 40 PVC COUPLERS, DRY FIT – VACUUM SEAL USING 3" PLASTIC SOC X 3" PLASTIC/CI FERNCO COUPLERS.
7. TYPICAL STRAIGHT HEADER 6" SCH 40 PVC PIPE RUN CONNECTIONS TO BE MADE WITH 6" SOC X 6" SOC SCH 40 PVC COUPLERS, DRY FIT – VACUUM SEAL USING 6" CLAY X 6" A/C DI FERNCO COUPLERS.
8. TYPICAL 90 DEGREE ELBOWS – 6" SOC X 6" SOC, DRY FIT – VACUUM SEAL USING 6" CLAY X 6" A/C DI FERNCO COUPLERS.
9. ALL HORIZONTAL ABOVE GRADE SDS PIPING SLOPES TOWARDS NEAREST SDS LOCATION.
10. SDS-8, VMP-8A, VMP-8C, AND VMP-8D LOCATIONS SURVEYED BY THEW ASSOCIATES, LPS IN 2013, REFERENCE DRAWING UK156-10-09, SHEET 9.

RECORD DRAWINGS

TO THE BEST OUR KNOWLEDGE, INFORMATION AND BELIEF, THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE PROJECT AS CONSTRUCTED.

DATE: 1/28/14 BY: _____

1"=20' — 20' 0 20' 40'

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd
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3	4/12/11	AS-BUILT RECORD DRAWINGS	CD	TC
2	2/11/10	FINAL 100% REMEDIAL DESIGN SUBMITTAL TO NYSDEC	TC	MM
1	1/6/10	DRAFT 100% DESIGN WORK PLAN	TC	MM
0	12/2/09	DRAFT 60% DESIGN WORK PLAN	TC	MM

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Professional Engineer's Name: MOH MOHIUDDIN PhD, PE, BCEE
Professional Engineer's No.: 074527

State	Date Signed	Project Mgr.
NY	1/28/14	JB
Designed by	Drawn by	Checked by
TC	TC	MM

STATE OF NEW YORK — MOH MOHIUDDIN — 074527 — LICENSED PROFESSIONAL ENGINEER

ARCADIS

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FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY • UTICA, NEW YORK
SUB-SLAB DEPRESSURIZATION SYSTEM

SUB-SLAB DEPRESSURIZATION SYSTEM LAYOUT

GENERAL

ARCADIS Project No.: NJ001043.0001
Date: 2013

ARCADIS OF NEW YORK, INC.
855 ROUTE 146
CLIFTON PARK, NEW YORK 12065
TEL. 518-250-7300

G-1

CITY:SYRACUSE-NY DIV/GROUP:ENVCAD DB:G.STEINBERGER LD: PIC:D.SAUDA PM:C. MOTTA TM:J. BONSTEEL LYR:ON=*;OFF=*REF*
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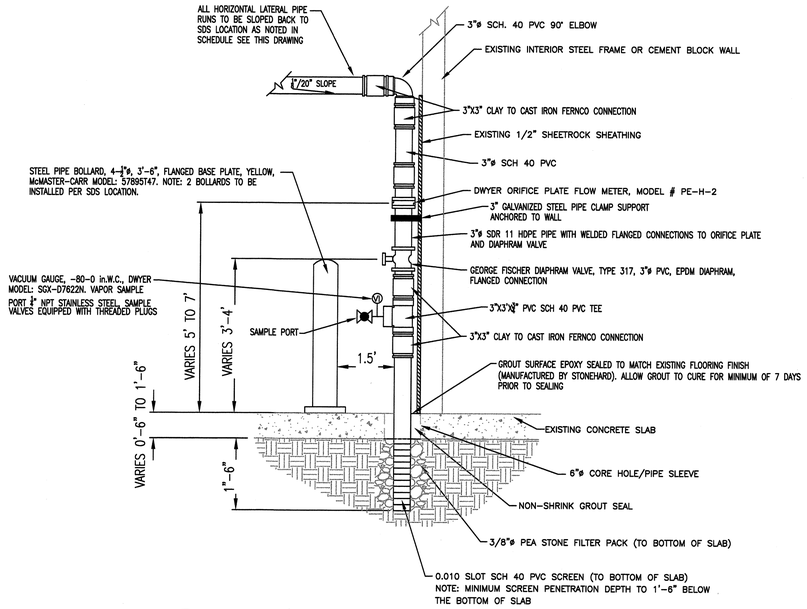


1 G1|G2 TYPICAL SUBSLAB DEPRESSURIZATION SUMP DETAIL

N.T.S.

SUMP CONSTRUCTION NOTES:

1. NON-SHRINK GROUT WAS USED TO FILL ALL VOIDS AROUND PIPE PENETRATIONS IN EXISTING CONCRETE SLAB AND WERE FINISHED 1/4" BELOW FINISH FLOOR TO ALLOW FINAL FINISH TO MATCH EXISTING FLOOR.

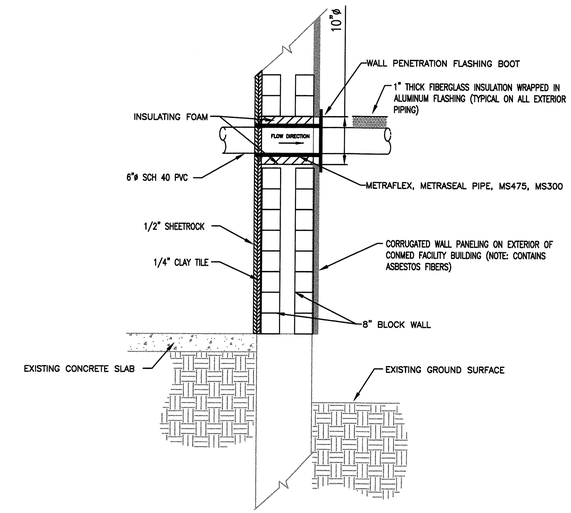
2. NO SOLVENT WELDING WAS USED IN JOINING PIPES OR FITTINGS AT EACH SDS WELLHEADS.

3. ALL LATERAL PIPING SLOPES TOWARD SDS LOCATION TO ALLOW THE GRAVITY DRAINAGE OF ANY POSSIBLE CONDENSATE BACK TO SUMP.

GENERAL CONSTRUCTION NOTES:

1. ALL INTERIOR WALL PENETRATIONS THROUGH SHEET ROCK FINISHED AND CLOSED OFF WITH JOINT COMPOUND AND PAINTED TO MATCH EXISTING.

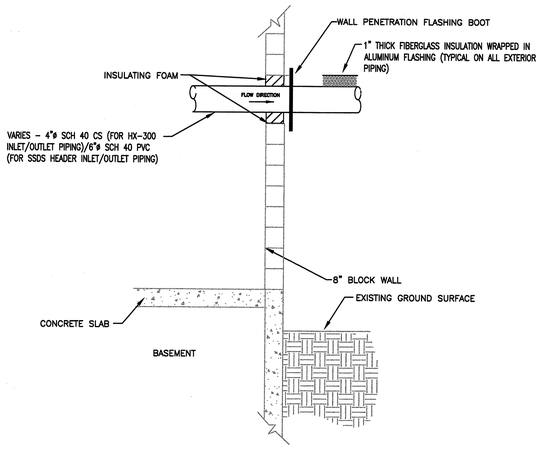
2. ALL PVC PIPING JOINTS AND FITTING DRY FITTED AND SEALED WITH RUBBER COUPLERS MANUFACTURED BY FERNCO UNLESS OTHERWISE NOTED ON THIS SHEET.



4 G1|G2 CONMED EXTERIOR WALL PENETRATION

NOT TO SCALE

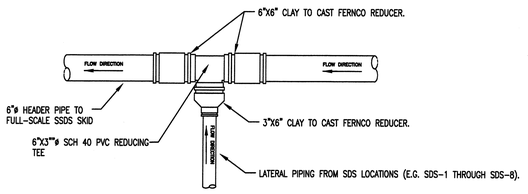
NOTE: CONMED FACILITY BUILDING EXTERIOR WALL CONTAINS A CATEGORY 2 NON-FRIABLE TRANSITE ASBESTOS CONTAINING MATERIAL. T



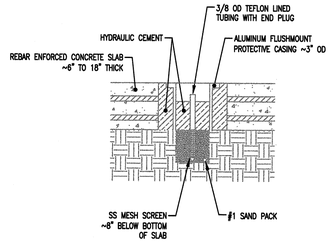
5 G1|G2 TYPICAL EXTERIOR WALL PENETRATION

NOT TO SCALE

NOTE: CONMED FACILITY BUILDING EXTERIOR WALL CONTAINS A CATEGORY 2 NON-FRIABLE TRANSITE ASBESTOS CONTAINING MATERIAL.



3 G1|G2 TYPICAL SSDS LATERAL/HEADER TIE-IN



2 G1|G2 TYPICAL VACUUM MONITORING POINT DETAIL

N.T.S.

NOTE: VACUUM MONITORING POINTS VMP-1A THROUGH VMP-8D ALL CONSTRUCTED SAME.

RECORD DRAWINGS

TO THE BEST OUR KNOWLEDGE, INFORMATION AND BELIEF, THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE PROJECT AS CONSTRUCTED.

DATE: 1/28/14 BY: _____

No.	Date	Revisions	By	Ckd
4	12/5/13	SDS-8 UPGRADE	CD	TC
3	4/12/11	AS-BUILT RECORD DRAWINGS	CD	TC
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1	1/6/10	DRAFT 100% DESIGN WORK PLAN	TC	MM
0	12/2/09	DRAFT 60% DESIGN WORK PLAN	TC	MM

NOT TO SCALE

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Professional Engineer's Name: MOH MOHIUDDIN PhD, PE, BCEE
Professional Engineer's No.: 074527
State: NY | Date Signed: 1/28/14 | Project Mgr.: JB
Designed by: TC | Drawn by: TC | Checked by: MM

STATE OF NEW YORK · MOH MOHIUDDIN · 074527 · LICENSED PROFESSIONAL ENGINEER

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FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY • UTICA, NEW YORK
SUB-SLAB DEPRESSURIZATION SYSTEM

SSDS SUMP, MONITORING POINT, AND MISCELLANEOUS PIPING DETAILS

GENERAL

ARCADIS Project No. NJ001043.0001
Date 2013

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855 ROUTE 146
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TEL. 518-250-7300

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XREFS: IMAGES:
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ABBREVIATIONS

ALUM ALUMINUM
AWS AIR WATER SEPARATOR
B BLOWER
BFV BUTTERFLY VALVE
BV BALL VALVE
°C CELSIUS
CI CAST IRON
CS CARBON STEEL
CFM CUBIC FEET PER MINUTE
DV DIAPHRAGM VALVE
F FILTER
°F FAHRENHEIT
FA FLOW ALARM
FCV FLOW CONTROL VALVE
FM FLOW METER
FT FLOW TRANSMITTER
FL FAULT INDICATOR LIGHT
G GREEN LIGHT
HS HAND SWITCH
H–O–A HAND–OFF–AUTO
HP HORSE POWER
HX HEAT EXCHANGER
in.HG INCHES OF MERCURY
in.W.C. INCHES OF WATER COLUMN
LAH LEVEL ALARM HIGH
LAHH LEVEL ALARM HIGH HIGH
LS LEVEL SWITCH
M MOTOR
MCC MOTOR CONTROL CENTER
MCP MAIN CONTROL PANEL
OP ORIFICE PLATE
P PHASE
PA PRESSURE ALARM
PI PRESSURE INDICATOR
PLC PROGRAMMABLE LOGIC CONTROLLER
PVC POLYVINYL CHLORIDE
PT PRESSURE TRANSMITTER
R RED LIGHT
SCH SCHEDULE
SCFM STANDARD CUBIC FEET PER MINUTE
SDS SUB–SLAB DEPRESSURIZATION SUMP
SG SIGHT GAUGE
SP SAMPLE PORT
TAH TEMPERATURE ALARM HIGH
V VOLTS
VA VACUUM ALARM
VPGAC VAPOR PHASE GRANULAR ACTIVATED CARBON
VRV VACUUM RELIEF VALVE
VI VACUUM INDICATOR
VT VACUUM TRANSMITTER
VOC VOLATILE ORGANIC COMPOUNDS
WFS WET FLOOR SENSOR
YL RUN INDICATOR LIGHT

INSTRUMENT NUMBERING SYSTEM

THE FIRST NUMBER OF EACH INSTRUMENT NUMERAL IDENTIFICATION REFERS TO THE FUNCTION OF THE INSTRUMENT:

1. SUB–SLAB DEPRESSURIZATION SUMP
2. EQUIPMENT SKID
3. TREATMENT COMPONENTS

EQUIPMENT AND VALVE SPECIFICATIONS

1. ALL PROCESS VALVES (NOT INCLUDING SAMPLE PORTS) AND EQUIPMENT WERE FURNISHED WITH FLANGED OR TRUE UNION CONNECTIONS FOR FUTURE MAINTENANCE ACTIVITIES.

2. ALL VALVES TO BE LOCKABLE WITHIN FULL RANGE. IF NON–LOCKABLE VALVE IS NOT AVAILABLE FOR SPECIFIED VALVE(S) FULL RANGE LOCKING KITS SHALL BE PROVIDED.

3. ALL NORMALLY CLOSED VALVES SHOWN ON DRAWING M–2 SHALL BE EQUIPPED WITH LOCKOUT TAGOUT DEVICES.

PIPE IDENTIFICATION

PROCESS FLOW LOCATION
LINE SIZE
PIPING SPECIFICATION (SEE PROCESS ABBREVIATIONS)
(A) 2"ø SCH. 80 PVC
DIRECTION OF FLOW

PIPING SYMBOLS/INSTRUMENTATION LEGEND

6" SSDS HEADER PROCESS PIPING
3"ø SSDS LATERAL PROCESS PIPING
WATER PROCESS LINE
LIMITS OF STRUCTURES/ENCLOSURES/EQUIPMENT
LOGIC CONNECTION
FLOW DIRECTION
NORMALLY OPEN BALL VALVE
NORMALLY CLOSED BALL VALVE
NORMALLY OPEN BUTTERFLY VALVE
NORMALLY CLOSED BUTTERFLY VALVE
FLOW CONTROL VALVE (DIAPHRAM TYPE)
VACUUM RELIEF VALVE
INDICATES LINE SIZE REDUCTION
SAMPLE PORT
UNION CONNECTION
PIPE DESIGNATION CHANGE
FERNCO CONNECTION
FIELD MOUNTED INSTRUMENT
DISCRETE/ANALOG INSTRUMENT INTERLOCKED TO PLC
PANEL MOUNTED INDICATOR LIGHT
M ELECTRICAL MOTOR
VFD VARIABLE FREQUENCY MOTOR DRIVE
BLOWER
PLC INTERLOCK CONNECTION
HEAT EXCHANGER

GENERAL PROCESS DESCRIPTION:

THE SYSTEM IS SUB–SLAB DEPRESSURIZATION SYSTEM DESIGNED TO CREATE A PRESSURE DIFFERENTIAL BETWEEN THE SUB–SLAB AND INDOOR AIR AREAS WITH THE CONMED FACILITY. THE SYSTEM WILL RECOVER BOTH SOIL VAPORS AND MOISTURE (I.E.CONDENSATE). EACH PHASE IS IMPACTED WITH LOW CONCENTRATION VOLATILE ORGANIC COMPOUNDS (VOCS). ONE REGENERATIVE BLOWER (B–200) WILL BE USED TO CREATE A LOW VACUUM TO PULL/EXTRACT SOIL VAPORS FROM EIGHT (8) SHALLOW SUMPS INTO ONE AIR/WATER SEPARATOR TANK (AWS–200). THE AWS–200 TANK WILL SEPARATE THE FOLLOWING TWO PHASES:

VAPOR PHASE:
THE VAPOR STREAM WILL BE EXTRACTED THROUGH THE TOP OF THE AWS–200 AND TRAVEL TO THE INLET SIDE OF THE B–200. ONCE THE VAPORS EXIT B–200 THEY WILL TRAVEL THROUGH THE HEAT EXCHANGER (HX–300) TO REDUCE ITS TEMPERATURE PRIOR TO THE TRAVELING THROUGH TWO VAPOR PHASE GRANULAR ACTIVATED CARBON (VPGAC–301/302) VESSELS. THE VPGAC VESSELS WILL REMOVE VOCS PRIOR TO EXHAUSTING/VENTING THE TREATED SOIL VAPORS TO THE ATMOSPHERE.

LIQUID PHASE:
THE LIQUID PHASE (e.g. CONDENSATE) WILL BE CAPTURED IN THE BOTTOM OF THE AWS–200. LIQUIDS WILL BE MANUALLY DRAINED TO MANHOLE MH–2 FOR TREATMENT AT THE GCTS.

EQUIPMENT OPERATION:
1. ALL HAND–OFF–AUTO SWITCHES (H–O–A) SHALL OPERATE AS FOLLOWS:

WHEN THE H–O–A SWITCH IS SET TO "OFF" POSITION THE EQUIPMENT WILL BE OFF REGARDLESS OF IF THE PLC IS AUTO AND CALLING FOR THE OPERATION. WHEN THE H–O–A SWITCH HIS PLACED IN THE "AUTO" POSITION THE EQUIPMENT SHALL RUN AS DIRECTED BY THE PLC. WHEN THE H–O–A SWITCH IS SET TO "HAND" THE EQUIPMENT SHALL OPERATE, HOWEVER THE PLC MUST BE IN AUTO MODE.

2. THE GREEN INDICATOR LIGHT YL–201 IS ILLUMINATED WHEN THAT PIECE OF EQUIPMENT IS OPERATING.

3. THE RED INDICATOR LIGHT FL–203 IS ILLUMINATED IF AN ALARM FAULT EXISTS FOR THAT PIECE OF EQUIPMENT.

4. THE PLC IS EQUIPPED WITH A VIRTUAL SYSTEM "STARTUP" SWITCH LOCATED ON PLC INTERFACE WHICH WILL START THE SYSTEM IN AN AUTOMATED SEQUENCE.

BLOWER B–200:
1. B–200 MOTOR SPEED TO BE CONTROLLED BY VFD–200 OUTPUT SIGNAL. THE VFD–200 OUTPUT SIGNAL CORRESPONDS TO THE HERTZ SET POINT. THE HERTZ SET POINT SHALL BE MAINTAINED AT A VALUE WHICH MEETS THE MINIMUM SYSTEM PERFORMANCE CRITERIA, AS SPECIFIED IN THE OM&M PLAN.

2. BLOWER B–200 SHALL OPERATE WHEN THE HAND–OFF–AUTO (H–O–A) SWITCH HS–200 IS SET TO "HAND". THE GREEN INDICATOR LIGHT YL–200 SHALL BE ILLUMINATED WHEN B–200 IS OPERATING.

3. FOLLOWING INITIATION OF THE SYSTEM STARTUP SEQUENCE, AND IF THE H–O–A SWITCH HS–200 IS SET TO "AUTO" BLOWER B–200 SHALL OPERATE UNLESS ANY MAJOR FAULT ALARMS EXIST.

HEAT EXCHANGER HX–300:
1. THE HX–300 TO BE CONTROLLED BY THE TT–301 4–20MA OUTPUT SIGNAL. THE 4–20MA OUTPUT SIGNAL CORRESPONDS TO 0–300 F. THE LOW AND HIGH TEMPERATURE SET POINTS SHALL BE MAINTAINED TO PROTECT THE PIPING, EQUIPMENT, AND CARBON MEDIA DOWNSTREAM OF THE BLOWER. HX–300 SHALL TURN ON AT A THE SPECIFIED HIGH SET POINT VALUE AND TURN OFF AT THE LOW SET POINT VALUE, AS SPECIFIED IN THE OM&M PLAN.

2. HEAT EXCHANGER HX–300 SHALL OPERATE WHEN THE H–O–A SWITCH HS–300 IS SET TO "HAND" THE GREEN INDICATOR LIGHT YL–300 SHALL BE ILLUMINATED WHEN HX–300 IS OPERATING.

3. FOLLOWING INITIATION OF THE SYSTEM STARTUP SEQUENCE, AND WHEN THE H–O–A SWITCH HS–300 IS SET TO "AUTO" HEAT EXCHANGER HX–300 SHALL OPERATE UNLESS ANY OF THE MAJOR FAULT ALARMS EXIST AND/OR AS CALLED FOR AS DETERMINED BY THE TEMPERATURE TRANSMITTER TT–301 OUTPUT.

EQUIPMENT DESCRIPTIONS

DESIGNATION: BLOWER, B–200
TYPE: REGENERATIVE
RATING: 15 HP, 460V, 3P
MANUFACTURER: ROTRON
MODEL: EN909BG72WL P/N038629
RANGE: 600 SCFM MAX. FLOW

DESIGNATION: HEAT EXCHANGER, HX–300
TYPE: FORCED AIR
RATING: 2 HP, 460V, 3P
MANUFACTURER: XCHANGER, INC.
MODEL: AA–1000

DESIGNATION: FILTER, F–201
MANUFACTURER: SOLBERG
MODEL: CT–235P–400C

DESIGNATION: FILTER, F–202
MANUFACTURER: SOLBERG
MODEL: FS–30P–200

DESIGNATION: VAPOR PHASE GRANULAR ACTIVATED CARBON, VPGAC–301–302
MANUFACTURER: SIEMENS
MODEL: VSC–1000
MEDIA: SIEMENS VOCARB 48C

DESIGNATION: AIR WATER SEPARATOR, AWS–200
TYPE: CYCLONIC
LIQUID CAPACITY: 60 GALLONS
MANUFACTURER: STODDARD SILENCERS
MODEL: UWVS–VCH–4
ACCESSORY: GLASS SIGHT GAUGE,
AWS–200 HEATED WITH 120 V SELF LIMITING HEAT TAPE AND ENCLOSED IN A INSULATED FIBERGLASS JACKET (MMC 3580K28, MCC 3580K33)

TRANSMITTER, SENSOR, AND GAUGE DESCRIPTIONS

DESIGNATION: VACUUM TRANSMITTER, VT–201
MANUFACTURER: WIKI
MODEL: 8642850(P#), 26128E5 (S#)
RANGE: –30–0 in.Hg. VACUUM

DESIGNATION: PRESSURE TRANSMITTER, PT–201
MANUFACTURER: PROSENSE
TYPE: PTDH25–20–0015H
RANGE: 0–15 PSI

DESIGNATION: TEMPERATURE TRANSMITTER, TT–201, TT–301
MANUFACTURER: PROSENSE
MODEL: TTD25C–20–0300F–H
RANGE: 0–300 °F

DESIGNATION: LEVEL SENSOR LSH–201, LSHH–201
MANUFACTURER: FLOTECT
TYPE: POLYPROPYLENE FLOAT SWITCH
MODEL: L6–EPB–B–S–3–0

DESIGNATION: FLOW TRANSMITTER, FT–301
MANUFACTURER: DWYER
MODEL: DM–2006–LCD
RANGE: 0–3 IN.W.C.
ACCESSORY: DWYER INLINE FLOW SENSOR, DS–300–4

DESIGNATION: WET FLOOR SENSOR, WFS–201
MANUFACTURER: AZTECH TECHNOLOGIES
MODEL: TB–WS–101

DESIGNATION: VACUUM INDICATOR, VI–101 THROUGH VI–108
MANUFACTURER: DWYER
TYPE: STAINLESS STEEL LOW VACUUM
MODEL: SGX–D7622N, –80–0 in.W.C..

DESIGNATION: TEMPERATURE INDICATOR, TI–201, TI–301
MANUFACTURER: DWYER
TYPE: STAINLESS STEEL, 0 TO 200°F
MODEL: SERIES BT

DESIGNATION: VACUUM INDICATOR, VI–201, VI–202
MANUFACTURER: WIKA
TYPE: STAINLESS STEEL VACUUM, 0 TO 100 IN.W.C.
MODEL: 9747473

DESIGNATION: FLOW METER, FM–101 THROUGH FM–108
MANUFACTURER: DWYER
TYPE: ORIFICE PLATE FLOW METER
MODEL: PE–H–2

DESIGNATION: PRESSURE INDICATOR, PI–201, PI–301, PI–302
MANUFACTURER: DWYER
TYPE: STAINLESS STEEL LOW PRESSURE
MODEL: SGX–D8522N, 0–80 in.W.C.

PROCESS FLOW TABLE

LOCATION ON DRAWING, M-2	CONTENTS	MAXIMUM DESIGN FLOW RATE	UNITS	MAXIMUM DESIGN PRESSURE	UNITS	MAXIMUM DESIGN TEMPERATURE	UNITS
A	SOIL GAS	100	SCFM	-80	IN.W.C.	80	°F
B	SOIL GAS	100	SCFM	-80	IN.W.C.	80	°F
C	SOIL GAS	100	SCFM	-80	IN.W.C.	80	°F
D	SOIL GAS	100	SCFM	-80	IN.W.C.	80	°F
E	SOIL GAS	100	SCFM	-80	IN.W.C.	80	°F
F	SOIL GAS	100	SCFM	-15	IN.W.C.	80	°F
G	SOIL GAS	100	SCFM	-80	IN.W.C.	80	°F
H	SOIL GAS	100	SCFM	-80	IN.W.C.	80	°F
I	SOIL GAS	500	SCFM	-80	IN.W.C.	100	°F
J	SOIL GAS	500	SCFM	-80	IN.W.C.	200	°F
K	SOIL GAS	500	SCFM	-80	IN.W.C.	120	°F
L	LIQUID	2	GPM	0(ATM)	IN.W.C.	-	-
M	LIQUID	2	GPM	0(ATM)	IN.W.C.	-	-

RECORD DRAWINGS

TO THE BEST OUR KNOWLEDGE, INFORMATION AND BELIEF, THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE PROJECT AS CONSTRUCTED.

DATE: 1/28/14 BY: [signature]

XREFS: NJ1043X00 IMAGES:

CITY:SYRACUSE-NY DIV/GROUP:ENVCAD DB:G.STEINBERGER LD: PIC:D. SAUDA PM:C. MOTTA TM:J. BONSTEEL LYR:ON=*;OFF=*REF* G:\ENVCAD\SYRACUSE\ACT\NJ001043\0001\00010\DWG\AS-BUILTS\SDS\NJ1043M01.dwg LAYOUT: M-1 SAVED: 12/6/2013 11:06 AM ACADVER: 18.1S (LMS TECH) PAGESETUP: — PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 12/6/2013 11:07 AM BY: POSENAUER, LISA

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No.	Date	Revisions	By	Ckd
4	12/5/13	SDS-8 UPGRADE	CD	TC
3	4/12/11	AS-BUILT RECORD DRAWINGS	CD	TC
2	2/11/10	FINAL 100% REMEDIAL DESIGN SUBMITTAL TO NYSDEC	TC	MM
1	1/6/10	DRAFT 100% DESIGN WORK PLAN	TC	MM
0	12/2/09	DRAFT 60% DESIGN WORK PLAN	TC	MM

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Professional Engineer's Name: MOH MOHIUDDIN PhD, PE, BCEE
Professional Engineer's No.: 074527
State: NY | Date Signed: 1/28/14 | Project Mgr.: JB
Designed by: TMC | Drawn by: TMC | Checked by: MM

STATE OF NEW YORK • MOH MOHIUDDIN • 074527 • LICENSED PROFESSIONAL ENGINEER

ARCADIS

ARCADIS OF NEW YORK, INC.

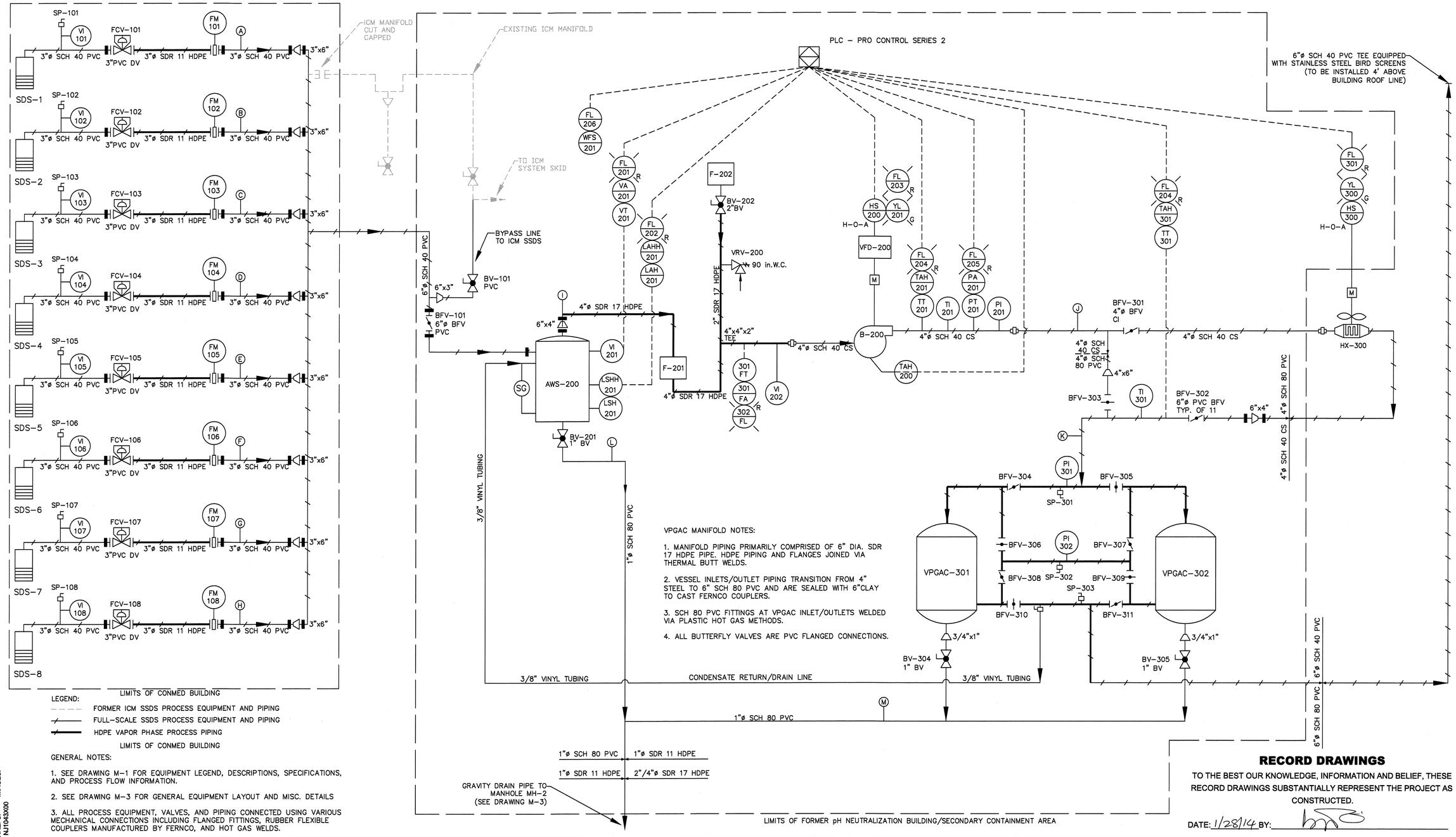
FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY • UTICA, NEW YORK
SUB-SLAB DEPRESSURIZATION SYSTEM

GENERAL LEGEND, EQUIPMENT SPECIFICATIONS, AND PROCESS FLOW DESCRIPTION

MECHANICAL

ARCADIS Project No. NJ001043.0001
Date 2013
ARCADIS OF NEW YORK, INC.
855 ROUTE 146
CLIFTON PARK, NEW YORK 12065
TEL. 518-250-7300

M-1



VPGAC MANIFOLD NOTES:

1. MANIFOLD PIPING PRIMARILY COMPRISED OF 6" DIA. SDR 17 HDPE PIPE. HDPE PIPING AND FLANGES JOINED VIA THERMAL BUTT WELDS.
2. VESSEL INLETS/OUTLET PIPING TRANSITION FROM 4" STEEL TO 6" SCH 80 PVC AND ARE SEALED WITH 6"CLAY TO CAST FERNCO COUPLERS.
3. SCH 80 PVC FITTINGS AT VPGAC INLET/OUTLETS WELDED VIA PLASTIC HOT GAS METHODS.
4. ALL BUTTERFLY VALVES ARE PVC FLANGED CONNECTIONS.

LEGEND:

- FORMER ICM SSDS PROCESS EQUIPMENT AND PIPING
- FULL-SCALE SSDS PROCESS EQUIPMENT AND PIPING
- HDPE VAPOR PHASE PROCESS PIPING
- LIMITS OF CONMED BUILDING

GENERAL NOTES:

1. SEE DRAWING M-1 FOR EQUIPMENT LEGEND, DESCRIPTIONS, SPECIFICATIONS, AND PROCESS FLOW INFORMATION.
2. SEE DRAWING M-3 FOR GENERAL EQUIPMENT LAYOUT AND MISC. DETAILS
3. ALL PROCESS EQUIPMENT, VALVES, AND PIPING CONNECTED USING VARIOUS MECHANICAL CONNECTIONS INCLUDING FLANGED FITTINGS, RUBBER FLEXIBLE COUPLERS MANUFACTURED BY FERNCO, AND HOT GAS WELDS.

RECORD DRAWINGS

TO THE BEST OUR KNOWLEDGE, INFORMATION AND BELIEF, THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE PROJECT AS CONSTRUCTED.

DATE: 1/28/14 BY:

CITY:SYRACUSE-NY DIVGROUP:ENVCAD DB:G.STEINBERGER LD: PIC:D.SAUDA PM:C.MOTTA TM:J.BONSTEEL LYRON="OFF"REF"
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XREFS: NJ1043X00
IMAGES:

No.	Date	Revisions	By	Ckd
4	12/5/13	SDS-8 UPGRADE	CD	TC
3	4/12/11	AS-BUILT RECORD DRAWINGS	CD	TC
2	2/11/10	FINAL 100% REMEDIAL DESIGN SUBMITTAL TO NYSDEC	TC	MM
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0	12/2/09	DRAFT 60% DESIGN WORK PLAN	TC	MM

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Professional Engineer's Name: **MOH MOHIUDDIN PhD, PE, BCEE**
Professional Engineer's No.: 074527
State: NY | Date Signed: 1/28/14 | Project Mgr.: TB
Designed by: TC | Drawn by: TC | Checked by: MM

STATE OF NEW YORK · MOH MOHIUDDIN · 074527 · LICENSED PROFESSIONAL ENGINEER

ARCADIS

ARCADIS OF NEW YORK, INC.

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY • UTICA, NEW YORK
SUB-SLAB DEPRESSURIZATION SYSTEM

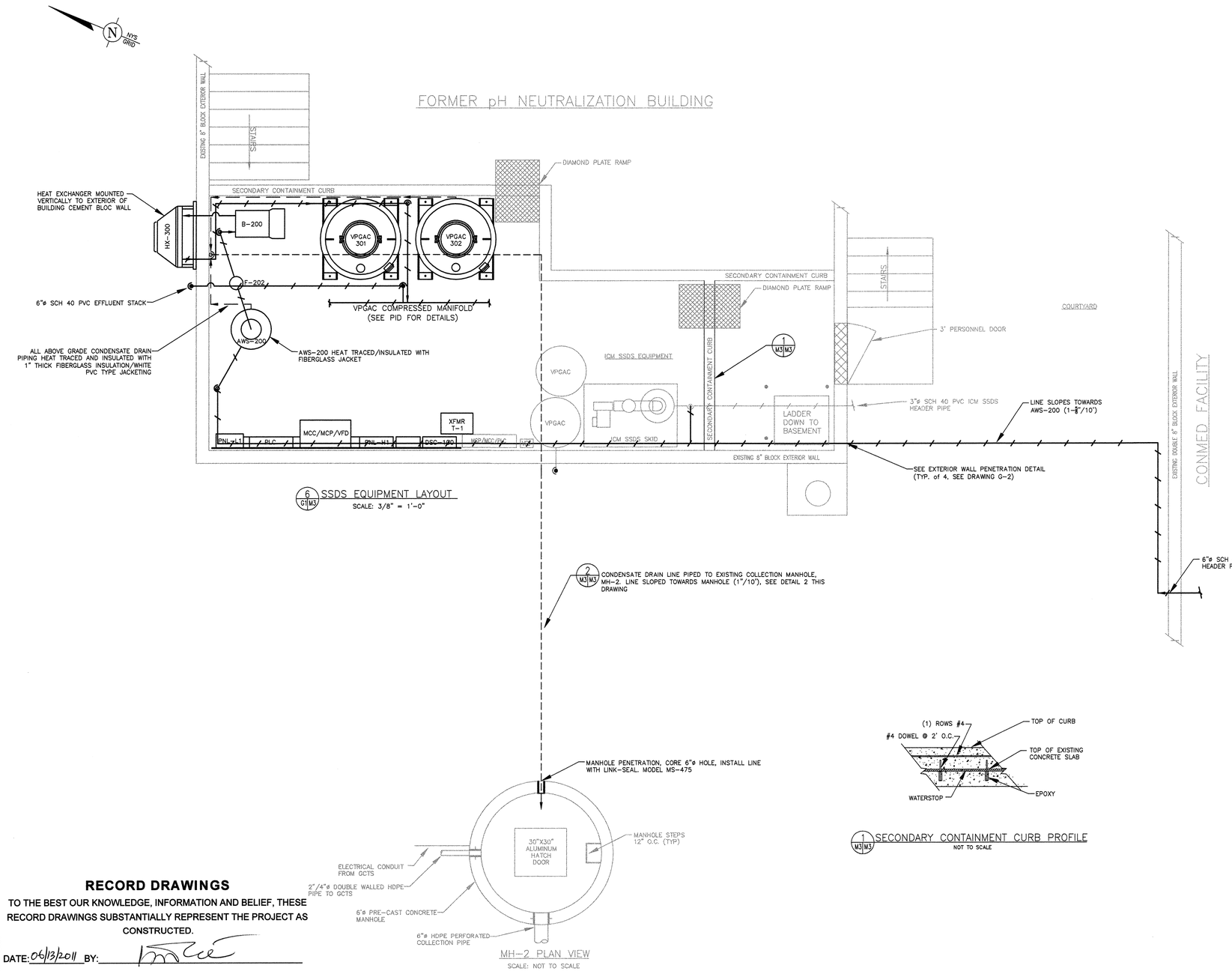
PIPING AND INSTRUMENTATION DIAGRAM

MECHANICAL

ARCADIS Project No.: NJ001043.0001
Date: 2013

ARCADIS OF NEW YORK, INC.
855 ROUTE 146
CLIFTON PARK, NEW YORK 12065
TEL. 518-250-7300

M-2

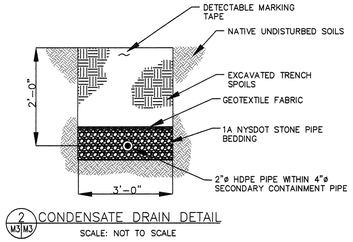


6 G1/M3 SSDS EQUIPMENT LAYOUT
SCALE: 3/8" = 1'-0"

2 M3/M3 CONDENSATE DRAIN LINE PIPED TO EXISTING COLLECTION MANHOLE, MH-2. LINE SLOPED TOWARDS MANHOLE (1"/10'), SEE DETAIL 2 THIS DRAWING

MH-2 PLAN VIEW
SCALE: NOT TO SCALE

1 M3/M3 SECONDARY CONTAINMENT CURB PROFILE
NOT TO SCALE



2 M3/M3 CONDENSATE DRAIN DETAIL
SCALE: NOT TO SCALE

LEGEND:

- VAPOR PHASE LINE
- CONDENSATE DRAIN LINE
- CONDENSATE DRAIN LINE IN BASEMENT/BELOW GRADE
- PIPING CHANGING DIRECTION FROM HORIZONTAL TO GOING UPWARD
- PIPING CHANGING DIRECTION FROM HORIZONTAL TO DOWNWARD
- EXISTING EQUIPMENT AND/OR STRUCTURES

GENERAL NOTES:

1. PIPE ROUTING SHOWN FOR LAYOUT PURPOSES ONLY.
2. PIPING LABELED WITH APPROPRIATE STICKERS INDICATING DIRECTION, CONTENTS OF PIPE, AND PERTINENT WARNINGS. [NOTE: PIPING LOCATED WITHIN CONMED FACILITY BUILDING SHALL NOT BE LABELED WITH PIPE CONTENTS (i.e. SOIL GAS OR VAPOR)]
3. REFER TO PID DRAWING FOR PROCESS DESCRIPTIONS, INCLUDING FLOW DIRECTION, VALVE AND SWITCH INTERPRETATIONS, ETC.
4. ALL PIPING/ELECTRICAL CONDUITS ARE ROUTED ALONG WALLS AND/OR OVERHEAD TO ALLOW EQUIPMENT ACCESS AND PREVENT TRIPPING HAZARDS.
5. BLOWER AND AIR/WATER SEPARATOR ANCHORED TO CONCRETE FLOOR USING MECHANICAL WEDGE ANCHORS.

CONCRETE/GROUT CONSTRUCTION NOTES:

1. NON-SHRINK GROUT USED TO FILL ALL VOIDS AROUND PIPE PENETRATIONS IN CONCRETE.
2. ANCHOR DOWELS SET INTO EXISTING BASE SLAB USING THE RAWL CHEM-FAST EPOXY ANCHOR SYSTEM AS MANUFACTURED BY THE RAWLPLUG COMPANY INC. SECONDARY CONTAINMENT BERM ADDITION.
3. GREEN STREAK LOCKSTOP WATERSTOP USED AS A WATERSTOP FOR SECONDARY CONTAINMENT BERM ADDITION.

RECORD DRAWINGS

TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF, THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE PROJECT AS CONSTRUCTED.

DATE: 06/13/2011 BY: _____

3/8"=1'-0" 2' 0 3' 6'
OR AS OTHERWISE SHOWN

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No.	Date	Revisions	By	Ckd
3	4/12/11	AS-BUILT RECORD DRAWINGS	CD	TC
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1	1/6/10	DRAFT 100% DESIGN WORK PLAN	TC	MM
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Professional Engineer's Name	MOH MOHIUDDIN PhD, PE, BCEE	
Professional Engineer's No.	074527	
State: NY	Date Signed: 06/13/2011	Project Mgr.: CM
Designed by: TC	Drawn by: TC	Checked by: MM

STATE OF NEW YORK · MOH MOHIUDDIN · 074527 · LICENSED PROFESSIONAL ENGINEER

ARCADIS

ARCADIS OF NEW YORK, INC.

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY • UTICA, NEW YORK
SUB-SLAB DEPRESSURIZATION SYSTEM

EQUIPMENT LAYOUT AND MISCELLANEOUS DETAILS

MECHANICAL

ARCADIS Project No.: NJ001024.0001
Date: 2011

ARCADIS OF NEW YORK, INC.
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M-3

CITY:SYRACUSE-NY DIV/GROUP:ENVCAD DB:G.STEINBERGER LD: PIC:D. SAUDA PM:C. MOTTA TM:J. BONSTEEL LYR:ON=*;OFF=*REF* IW:Z:\P1\data\4\PROJECTLOCKHEED\NJ001024.0001\SSDS Construction Doucments\O&M\OMM Plan 2011\Appendix A\NJ1024M03.dwg LAYOUT: M-3 SAVED: 4/13/2011 6:44 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: — PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 5/6/2011 2:54 PM BY: CARIGNAN, TODD
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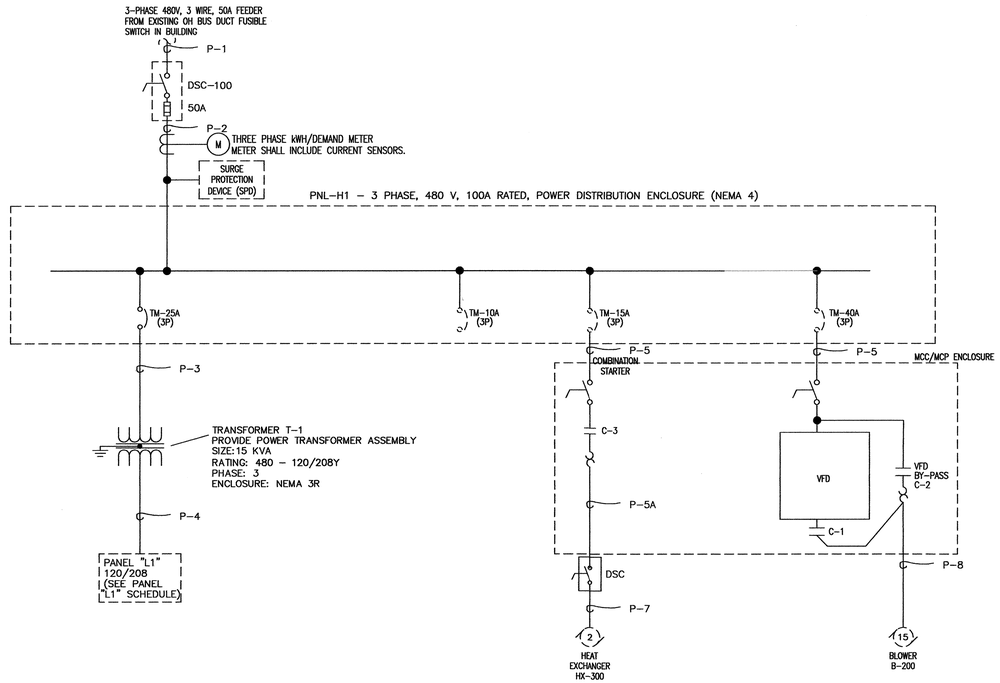

ELECTRICAL SINGLE - LINE DIAGRAM (N.T.S.)

PANEL L1 SCHEDULE

120/208, 3ø, 4 WIRE, 40A, NEMA TYPE 3R, CIRCUIT BREAKER TYPE: BOLT-ON, EQUIPPED WITH GROUND AND NEUTRAL BUS

L1 L2 L3 MLO

N

DESCRIPTION	WIRE	COND	POLE	AMP	CKT
BACK FEED MAIN	(3)#8 AWG & (1)#10 AWG GND	N/A	3	35	1
					3
					5
LIGHTING	(2)#12 AWG & (1)#12 AWG GND	N/A	1	20	7
SPACE					9
SPACE					11

CKT	AMP	POLE	COND	CONDUCTORS	DESCRIPTION
2	15	1	N/A	(2)#12 AWG & (1)#12 AWG GND	PLC
4	20	1	N/A	(2)#12 AWG & (1)#12 AWG GND	HEAT TRACE 1
6	20	1	N/A	(2)#12 AWG & (1)#12 AWG GND	HEAT TRACE 2
8	20	1	N/A	(2)#12 AWG & (1)#12 AWG GND	HEAT TRACE 3
10					SPACE
12					SPACE

LEGEND

ABBREVIATIONS

1FVNR	FULL VOLTAGE, NON-REVERSING (SIZE 1) STARTER
A.F.F.	ABOVE FINISHED FLOOR
A	AMPERES
DTT	DRY TYPE TRANSFORMER
EF	EXHAUST FAN
EUH	ELECTRIC UNIT HEATER
HP	HORSEPOWER
kVA	KILOVOLT-AMPS
kW	KILOWATT
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR CIRCUIT BREAKER
O.L.	OVERLOAD
PB	PANELBOARD
TM	THERMAL MAGNETIC CIRCUIT BREAKER
V	VOLTS
VAC	VOLTS AC
VFD	VARIABLE FREQUENCY DRIVE
CKT	CIRCUIT
N	NEUTRAL

ENCLOSURE LIMITS

MOTOR STARTER, FVNR-TYPE EQUIPPED WITH THERMAL OVERLOADS (FULL VOLTAGE, NON-REVERSING)

3-PHASE MOTOR, # DENOTES H.P.

EARTH GROUND

TRANSFORMER, POWER

MOLDED CASE CIRCUIT BREAKER

ELECTRIC DIGITAL METER

P-2 CONDUIT TAG

ELECTRICAL DISCONNECT SWITCH

ELECTRICAL SPECIFICATIONS:

GENERAL

1. ALL ELECTRICAL POWER EQUIPMENT U.L. LISTED AND LABELED.

2. ALL ELECTRICAL WORK PERFORMED IN ACCORDANCE WITH ALL UTICA LOCAL CODES AND THE LATEST REVISION OFNFPA-70NEC.

RIGID METAL CONDUIT (RGS)

1. GALVANIZED STEEL, HOT-DIPPED ZINC, ANSI STANDARD C80.1 AND C80.4.

2. MANUFACTURER ALLIED TUBE & CONDUIT CORPORATION, TRIANGLE WIRE AND CABLE INC., OR EQUAL.

3. CONDUIT CONNECTIONS THREADED AND COMPRESSION.

VARIABLE FREQUENCY DRIVE (VFD)

1. PROVIDE VFD WHERE INDICATED TO SUITABLY OPERATE THE INDICATED LOAD. VFD MANUFACTURER.

   A. DRIVE - DURAPULSE TYPE PART NUMBER GS3-4020.
      1. HORSE POWER: 20
      2. ENCLOSURE TYPE: NEMA 4
      3. VOLTAGE: 460-VOLTS
      4. PANEL LIGHTS: GREEN AFC RUNING, RED AFC FAULT
      5. MISC: VARIABLE TORQUE, WITH VFD BY-PASS, HAND-OFF-AUTO BLOWER CONTROL, START-STOP BLOWER CONTROL, SPEED POTENTIAMETER.

MOTOR - FED FROM VFD

1. MOTORS DRIVEN BY NON-LINEAR VOLTAGE SOURCE SHALL BE INVERTER-DUTY RATED AND HAVE 1600 VOLT INSULATION.

PROGRAMMABLE LOGIC CONTROLLER (PLC):

1. EOS, PROCONTROL SERIES 2.

2. PROGRAMMING OF PLC AND OPERATOR INTERFACE BY VENDOR/CONTRACTOR.

MAIN CONTROL PANEL (MCP):

1. PROVIDE 120 VAC POWER DISTRIBUTION, CIRCUIT BREAKER, RELAYS, AND ANCILLARY EQUIPMENT WITHIN MAIN CONTROL PANEL AS REQUIRED.

2. SIZE MAIN CONTROL PANEL TO ACCOMMODATE EQUIPMENT SHOWN IN THE DRAWINGS TO BE INCLUDED WITHIN THE PANEL, PLUS 30% SPACE.

3. ENCLOSURE: NEMA 4 ENCLOSURE.

TRANSFORMER

1. 15KVA TRANSFORMER, 480-120/208Y, THREE PHASE IN A NEMA 3R ENCLOSURE.
2. TEMPERATURE CLASS 185-DEG C WITH WINDING RISE FO 115-DEG C.
3. WINDING TAPS: TWO 5% BELOW RATED VOLTAGE, FULL CAPACITY TAPS ON PRIMARY WINDINGS.
4. DESIGN IN ACCORDANCE WITH NEMA, IEEE, AND ANSI STANDARDS.
5. TRANSFORMER MUST BE UL LISTED.
6. PROVIDE GROUNDING AND BONDING IN ACCORDANCE WITH NEC.
7. EXISTING OVERCURRENT PROTECTION ON THE PRIMARY SIDE OF THE TRANSFORMER SHALL BE A MAXIMUM OF 25A.

PANEL L1

1. PROVIDE LIGHT PANEL NQOD SQUARE D TYPE.
2. LIGHTING PANEL'S MAIN DISCONNECT SHALL BE A 35 AMPS BACKFEED MAIN BREAKER, MAIN LUG SHALL BE RATED FOR 100-AMPS, AND THE PANEL WILL BE CAPABLE OF HOLDING 12 CIRCUITS WITHOUT THE USE OF TANDOM BREAKERS. TANDOM BREAKERS SHALL NOT BE ACCEPTABLE. THE PANEL SHALL INCLUDE A GROUND BAR.

PANEL H1

1. PROVIDE POWER DISTRIBUTION PANEL I-LINE SQUARE D TYPE OR EQUIVALENT.
2. POWER DISTRIBUTION PANEL'S MAIN DISCONNECT SHALL BE 50 AMPS, MAIN LUG SHALL BE RATED FOR 100-AMPS, AND THE PANEL WILL BE CAPABLE OF HOLDING 6 THREE PHASE CIRCUITS.
3. A GROUND BAR SHALL BE INSTALLED WITH A GROUND BAR.

SURGE PROTECTION DEVICE

1. SURGE PROTECTION DEVICE (SPD) SHALL BE EXTERNAL MOUNT 480-VOLT SQUARE D TYPE PART NUMBER: TVS4HWA50X.
2. SPD SHALL BE MOUNTED AND CONNECTED WITHIN 12-INCHES OF THE MAIN POWER FEED TO PANEL H1.
3. SPD WILL HAVE FAULT LED INDICATION AND AUDIBLE ALARM CAPABILITIES..

WIRES AND CABLES

1. GENERAL

   A. ALL CONDUCTORS, UNLESS OTHERWISE NOTED, SHALL BE STRANDED COPPER, CONSTRUCTED OF SOFT DRAWN OR ANNEALED COPPER, THHN/THWN INSULATION.

   B. CONDUCTORS INSULATION SHALL BE COLOR CODED, WITH COLOR OF INSULATION ONE COLOR THROUGHOUT THE ENTIRE RUN.

   C. 120/208 VAC, THREE PHASE, 4 WIRE
      CONDUCTOR 1 - BLACK
      CONDUCTOR 2 - RED
      CONDUCTOR 3 - BLUE
      NEUTRAL - WHITE
      GROUND - GREEN

   D. 480 VAC, THREE PHASE, 4 WIRE
      PHASE A - BROWN
      PHASE B - ORANGE
      PHASE C - YELLOW
      GROUND - GREEN

2. LOW VOLTAGE CONDUCTORS

   A. ALL CONDUCTORS FOR POWER, LIGHTING AND 120 VAC CONTROL SHALL BE RATED A MINIMUM 600 VAC.

   B. CONDUCTORS SHALL BE CONSTRUCTED OF UNCOATED CLASS C COPPER CONCENTRIC-LAY-STRANDED WIRES.

   C. POWER AND LIGHTING CONDUCTORS - TYPE THHN/THWN.

   D. NON-LINEAR MOTOR LOAD WIRING - THHN/THWN.

3. INSTRUMENTATION CABLES TWISTED SHIELDED SINGLE PAIR OF NO. 18 AWG TINNED COATED CLASS C COPPER CONCENTRIC LAY STRANDED WIRES WITH AN 100% ALUMINUM POLYESTER SHIELD AND COPPER DRAIN. RATED FOR 300V AND COLOR COATED PVC OUTER JACKET.

4. CONNECTORS

   A. SPLICING IS NOT ACCEPTABLE EXCEPT AS SPECIFIED BELOW FOR LIGHTING AND RECEPTACLE CIRCUIT.

   B. LIGHTING AND RECEPTACLE CIRCUITS MAY BE SPLICED USING TAPERED SPRING WIRE NUTS. MANUFACTURER SHALL BE IDEAL WING NUT, BUCHANAN B-CAP, T&B PIGGIES, OR EQUAL. WIRE NUTS MAY NOT BE USED FOR PROCESS CONNECTIONS,

   C. FOR TERMINATION OF #14 CONTROL WIRES TO TERMINALS, USE INSULATED COMPRESSION SPADE TYPE CONNECTORS. MANUFACTURER SHALL BE BURNDY HYDENT, T&B STA-KON, OR EQUAL.

   D. FIXTURE CONNECTIONS MANUFACTURER SHALL BE T&B STA-KON SERIES PT-66M, IDEAL CRIMP SLEEVE NO. 410 WITH LONG BARREL, OR EQUAL.

   E. SPLICING IS NOT APPROVED UNLESS APPROVED BY ENGINEER.

GROUNDING

1. GROUNDING OF ELECTRICAL SYSTEMS AND EQUIPMENT SHALL, AT A MINIMUM, MEET THE REQUIREMENTS OF THE NEC ARTICLE 250 OR SHALL EXCEED ARTICLE 250 AS HEREIN SPECIFIED.

2. ALL CONDUITS SHALL HAVE AN INTERNAL GROUND CONDUCTOR. THIS GROUND CONDUCTOR SHALL BE PROVIDED ALTHOUGH IT MAY NOT BE SHOWN OR SCHEDULED ON THE PLANS.

3. GROUNDING ELECTRODE CONDUCTORS SHALL BE A MINIMUM OF NO. 2 AWG BARE STRANDED COPPER GROUND WIRE.

4. ALL PROCESS EQUIPMENT SHALL BE BONDED TO BUILDING EXISTING GROUNDING ELECTRODE SYSTEM.

ENCLOSURE & JUNCTION BOXES

1. ENCLOSURES SHALL BE MINIMUM NEMA 4 METAL RATED UNLESS OTHERWISE NOTED.

2. ENCLOSURES SHALL HAVE NAMEPLATE ON THE EXTERIOR IDENTIFYING THE APPLICATION FUNCTION OF THE EQUIPMENT ENCLOSED.

3. WATERTIGHT HUB FITTINGS SHALL BE USED WHERE CONDUITS ENTER ENCLOSURES.

4. PANEL H1 SHALL BE SQUARE D I-LINE TYPE OR EQUAL.

5. PANLE L1 SHALL BE SQUARE D NQOD TYPE OR EQUAL.

RECORD DRAWINGS

TO THE BEST OUR KNOWLEDGE, INFORMATION AND BELIEF, THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE PROJECT AS CONSTRUCTED.

DATE: 6/9/11 BY:

No.	Date	Revisions	By	Ckd
4	6/11/11	AS-BUILT RECORD DRAWINGS	MEC	MEC
3	4/12/11	AS-BUILT RECORD DRAWINGS	CD	TC
2	2/11/10	FINAL 100% REMEDIAL DESIGN SUBMITTAL TO NYSDEC	TC	MM
1	1/6/10	DRAFT 100% DESIGN WORK PLAN	TC	MM
0	12/2/09	DRAFT 60% DESIGN WORK PLAN	TC	MM

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NOT TO SCALE

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: ____ USE TO VERIFY FIGURE REPRODUCTION SCALE

Professional Engineer's Name: MICHAEL E. CURRIE
Professional Engineer's No.: 082521

State	Date Signed	Project Mgr.
NY	6/13/11	CM

Designed by	Drawn by	Checked by
TMC	TMC	MEC

ARCADIS

ARCADIS OF NEW YORK, INC.

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY • UTICA, NEW YORK
SUB-SLAB DEPRESSURIZATION SYSTEM

ELECTRICAL SINGLE LINE DRAWING

ELECTRICAL

ARCADIS Project No.: NJ001024.0001
Date: 2011

ARCADIS OF NEW YORK, INC.
465 NEW KARNER ROAD
ALBANY, NEW YORK 12205
TEL. 518-452-7826

E-1

CITY:SYRACUSE-NY DIV/GROUP:ENVCAD DB:G.STEINBERGER LD: PIC:D. SAUDA PM:C. MOTTA TM:J. BONSTEEL LYR:ON=*;OFF=*REF*
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XREFS: NJ101DX00 IMAGES: PROJECTNAME: ----

RECORD DRAWINGS

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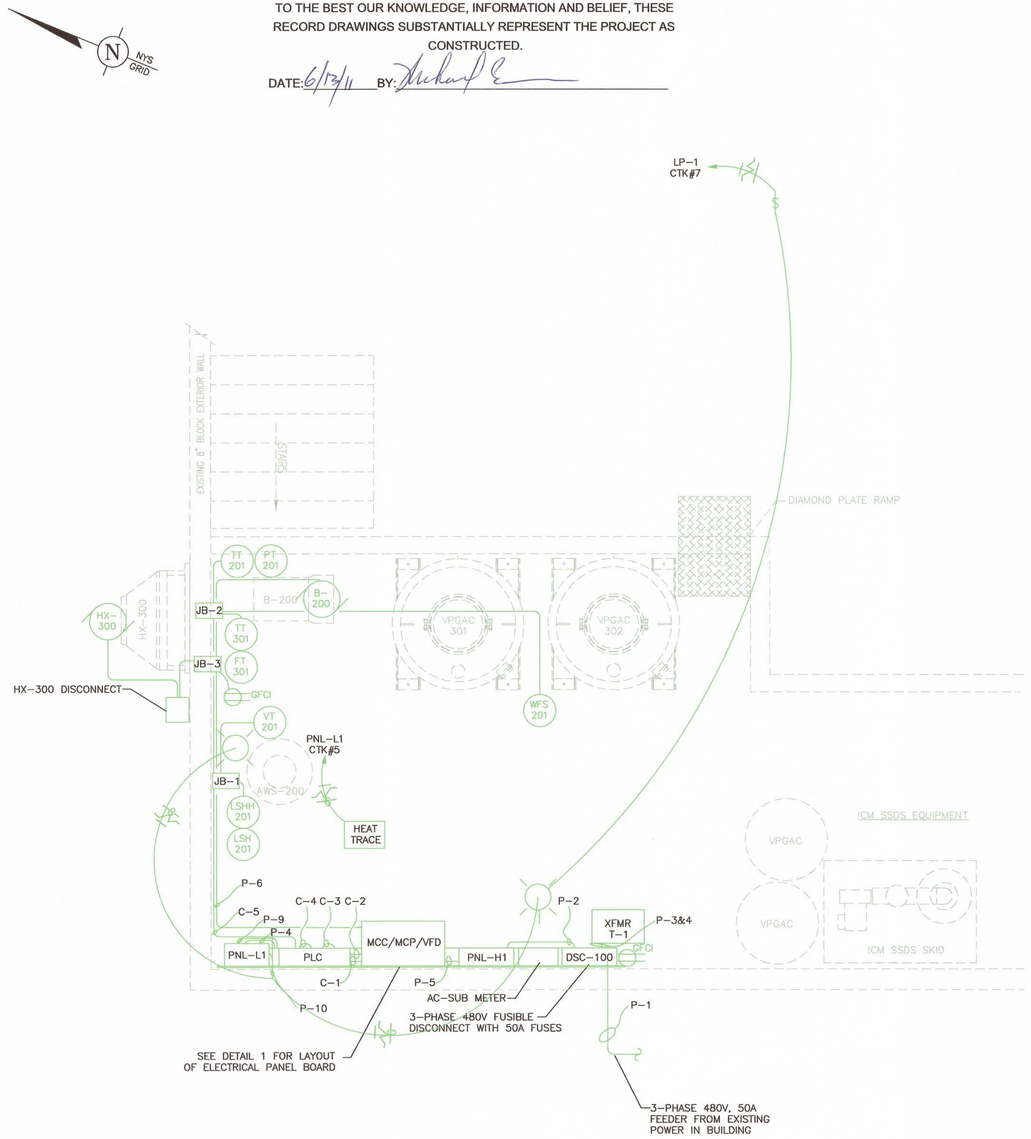
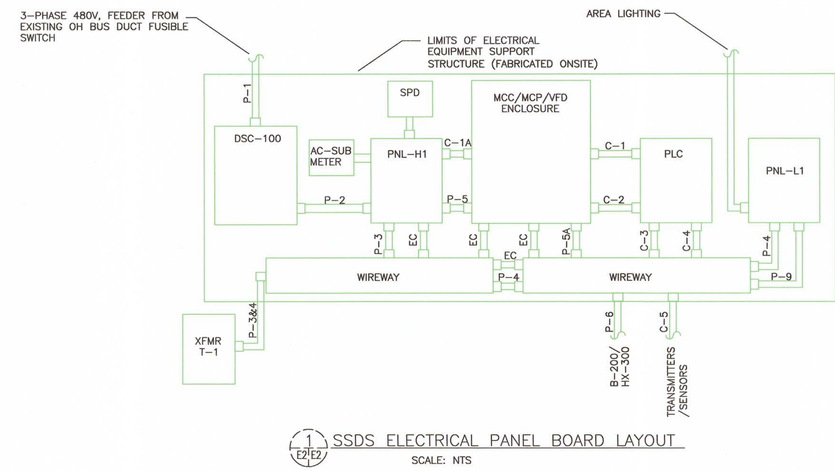
DATE: 6/13/11 BY: Michael E



FORMER LOCKHEAD MARTIN FRENCH ROAD FACILITY SSDS CONDUIT/CONDUCTOR SCHEDULE						
CONDUIT #	SIZE	CONDUIT TYPE	CONDUCTOR SIZE & TYPE	PURPOSE	ORIGINATION	TERMINATION
P-01	1"	R.G.S	(3) #6 AWG THHN, (1) #10 AWG THHN GROUND	SSDS SYSTEM POWER FEED PANEL DSC-100	50 FS ON OH BUS DUCT	DSC-100
P-02	1"	R.G.S	(3) #6 AWG THHN, (1) #10 AWG THHN GROUND	SSDS SYSTEM POWER FEED TO PANEL H1	DSC-100	PNL-H1
P-03	1"	R.G.S	(3) #12 AWG THHN, (1) #12 AWG THHN GROUND	POWER FEED TO TRANSFORMER	PNL-H1	XFMR T-1
P-04	1"	R.G.S	(4) #8 AWG THHN, (1) #10 AWG THHN GROUND	POWER FEED TO LIGHTING PANEL L1	XFMR T-1	PNL-L1
P-05	1"	R.G.S	(3) #12 AWG THHN, (1) #12 AWG THHN GROUND	POWER FEED TO HX-300 COMBO STARTER IN MCP	PNL-H1	HX-300 PNL DISC IN MCP
P-05	1"	R.G.S	(3) #8 AWG THHN, (1) #10 AWG THHN GROUND	POWER FEED TO BLOWER VFD/BY-PASS	PNL-H1	B-300 PNL DISC IN MCP
P-05A	1"	R.G.S	(3) #12 AWG THHN, (1) #12 AWG THHN GROUND	POWER TO HEAT EXCHANGER DISC	HX-300 STARTER IN MCP	WIREWAY
P-05A	1"	R.G.S	(3) #10 AWG THHN, (1) #10 AWG THHN GROUND	POWER FEED TO BLOWER MOTOR & THERMAL IN MOTOR	B-200 VFD/BY-PASS	WIREWAY
P-05A	1"	R.G.S	(2)#14 AWG THHN	THERMAL IN BLOWER MOTOR	WIREWAY	MCP
P-06	1	R.G.S	(3) #12 AWG THHN, (1) #12 AWG THHN GROUND	POWER TO HEAT EXCHANGER DISC	WIREWAY	HX-300 DISC VIA JB-3
P-06	1"	R.G.S	#10 AWG THHN, (1) #10 AWG THHN GROUND, (2)#14 AWG TH	POWER FEED TO BLOWER MOTOR & THERMAL IN MOTOR	WIREWAY	JB-3
P-07	1"	R.G.S	(3) #12 AWG THHN, (1) #12 AWG THHN GROUND	POWER TO HEAT EXCHANGER MOTOR	HX-300 DISC VIA JB-3	HX-300
P-08	1"	R.G.S	#10 AWG THHN, (1) #10 AWG THHN GROUND, (2)#14 AWG TH	POWER FEED TO BLOWER MOTOR & THERMAL IN MOTOR	JB-3	B-200
P-09	1"	R.G.S	(2) #12 AWG THHN, (1) #12 AWG THHN GROUND	POWER FEED TO PLC	PNL-L1	PLC
P-10	1"	R.G.S	(2) #12 AWG THHN, (1) #12 AWG THHN GROUND	POWER FEED TO LIGHTING	PNL-L1	LTG
C-01	1"	R.G.S	(10) #14 AWG THHN, (2) #12 AWG THHN GROUND	DISCRETE INPUTS TO PLC & B-200 THERMAL IN MOTOR	MCP & B-200	PLC
C-01	1"	R.G.S	VFD MFR'S CABLE	CONTROL CONDUCTOR FOR BLOWER	MCP	PLC
C-01 & C-01A	1"	R.G.S	(1) SINGLE PAIR #18 TWISTED SHIELDED	SPD STATUS	SPD	PLC
C-02	1"	R.G.S	(17) #14 AWG THHN	DISCRETE OUTPUTS FROM PLC	PLC	MCP
C-03	1"	R.G.S	(8) #18 SHIELDED CABLE	PT-201,TT-201 & 301, FT-301, VT-201 SIGNALS	WIREWAY	PLC
C-03	1"	R.G.S	(4) #18 SHIELDED CABLE	AWS HI 7 HI-HI ALARMS	WIREWAY	PLC
C-04	1"	R.G.S	(2) #14 AWG THHN	WET FLOOR DETECTION ALARM	WIREWAY	PLC
C-05	1"	R.G.S	(8) #18 SHIELDED CABLE	NSTRUMENTATION WIRE FROM PT-201,TT-201 & 301, FT-301, VT-201	FIELD INSTS. VIA JB-2 & 1	WIREWAY
C-05	1"	R.G.S	(2) #14 AWG THHN	WET FLOOR DETECTION ALARM	WFS-201 VIA JB-2 & 1	WIREWAY
C-05	1"	R.G.S	(4) #18 SHIELDED CABLE	AWS HI 7 HI-HI ALARMS	AWS ALARMS VIA JB-1	WIREWAY



1 E2 E2 SSDS ELECTRICAL PANEL BOARD LAYOUT

SCALE: NTS

GENERAL NOTES:

1. LIGHTS – WALL MOUNT TYPE, LITHONIA MODEL TWP 150S 120 RNP LPI, 150W
2. BOND EQUIPMENT TO BUILDING GROUND AND ELECTRODE
3. ALL THREADED CONNECTIONS NEED TO BE COATED WITH KOPR SHIELD OR AN APPROVED UL LISTED CONDUCTIVE SEALANT.
4. EC – EMPTY CONDUIT

ELECTRICAL PANEL BOARD NOTES:

1. ELECTRICAL PANEL BOARD CONSTRUCTED OF PRIMED AND PAINTED MARINE PLYWOOD $\frac{3}{4}$".
2. PANEL BOARD MOUNTED TO RAILING FOR BACK SUPPORT AND $1\frac{5}{8}$" CHANNEL MOUNTED TO THE BACK OF THE PANEL BOARD AND TO THE THE FLOOR FOR STRUCTURAL SUPPORT.

CITY:SYRACUSE-NY DIV/GROUP:ENV/CAD DB:G.STEINBERGER LD: PIC:D.SAUDA PM:C.MOTTA TM:J.BONSTEEL LYR:ON=*;OFF=*REF*
\\NJ2FP1\Data\-DATA\WIP\LMC\Utica\final as built\SSDS\NJ1024E027C.dwg LAYOUT: E-2 SAVED: 6/11/2011 7:48 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 6/13/2011 8:24 AM BY: CURRIE, MIKE
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No.	Date	Revisions	By	Ckd
4	6/11/11	AS-BUILT RECORD DRAWINGS	MEC	MEC
3	4/12/11	AS-BUILT RECORD DRAWINGS	CD	TC
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Professional Engineer's Name: MICHAEL E. CURRIE
Professional Engineer's No.: 082521
State: NY | Date Signed: 6/13/11 | Project Mgr.: CM
Designed by: TMC | Drawn by: TMC | Checked by: MEC

STATE OF NEW YORK MICHAEL E. CURRIE 082521 LICENSED PROFESSIONAL ENGINEER

ARCADIS

ARCADIS OF NEW YORK, INC.

FORMER LOCKHEAD MARTIN FRENCH ROAD FACILITY • UTICA, NEW YORK

SUB-SLAB DEPRESSURIZATION SYSTEM

ELECTRICAL EQUIPMENT LAYOUT

ELECTRICAL

ARCADIS Project No. NJ001024.0001

Date 2011

ARCADIS OF NEW YORK, INC.
465 NEW KARNER ROAD
ALBANY, NEW YORK 12205
TEL. 518-452-7826

E-2

Appendix B

Operation and Maintenance

Checklists

Updated Blank O&M Checklist Forms

Monthly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: _____
Time: _____
Technician: _____

SYSTEM STATUS

System operational? *(PLC screen indicating system in "AUTO" or "MANUAL")* _____

Alarms? (List) _____

SYSTEM PARAMETER	ID	Gauge Reading		PID TAG	PLC Reading	
Air/Water Tank Applied Vacuum	VI-201		(in. W.C.)	VT-201		(in. W.C.)
Post-Blower Temperature	TI-201		(°F)	TT-201		(°F)
Post-Heat Exchanger Temperature	TI-301		(°F)	TT-301		(°F)
Influent Pitot Tube Differential Pressure	FI-301		(in. W.C.)	FT-301		(cfm)
Post-Blower Pressure	PI-201		(in. W.C.)	PT-201		(in. W.C.)
Post-Filter Applied Vacuum	VI-202		(in. W.C.)			
Pre-VPGAC Pressure	PI-301		(in. W.C.)			
Mid-VPGAC Pressure	PI-302		(in. W.C.)			

METEOROLOGICAL DATA

Ambient Outdoor Temperature (°F): _____

Ambient Indoor Temperature (°F): _____

Barometric Pressure (in. Hg): _____

Barometric Pressure Trend: Rising or falling? _____

ADDITIONAL DATA

VFD Frequency (Hz): _____

Influent Vapor Velocity (*from VI-202 location, 1 fpm = 0.086 cfm)* _____ (fpm)

_____ (cfm)

Note position of HX-300 H-O-A switch: _____

Electrical Meter Reading (KWH): _____

Surge Protector Operational? (Y/N): _____

SYSTEM WATER/CONDENSATE INSPECTION

Water present in AWS-200 site gauge? (Y/N) _____

Note if AWS-200, VPGAC-301, VPGAC-302, or any other normally closed condensate drain component was drained. Estimate quantity: _____

VALVE INSPECTION

Note position of BFV-301, 302, and 303: *BFV-301* _____ *BFV-302* _____ *BFV-303* _____

Note/confirm butterfly valve configuration as it pertains to order of VPGAC vessels: _____

Are condensate drain valves for AWS-200, VPGAC-301, and VPGAC-302 in closed position? (Y/N) _____

BASEMENT SUMP INSPECTION

Water present in sumps? (Y/N): How much? (est. in inches) _____

OTHER NOTES: _____

Monthly OM&M Checklist
Sub-Slab Depressurization System, Solvent Dock Area,
Former Lockheed Martin French Road Facility, Utica, New York.

Date: _____
Time: _____
Technician: _____

CRITICAL SYSTEM DEVICE	Device Location	Inspected (yes/no)	Comments/Notes
MCC/MCP Mounted Equipment			
Electrical Hazard Signage	Outside/Inside MCP and MCC		
Electric Meter	Adjacent to MCC Door		
Surge Protection Device	Outside MCC		
Field Mounted Equipment			
System Exhaust Vent Screen	Post-VPGAC		
Process Valve Locks/Positions[1]	Skid/Field		
Post Blower Piping Connections	Skid/Field		
Heat Trace[2]	AWS-200/ VPGAC-301/302 Condensate Drains		
Fire Extinguisher	Treatment Building Primary Entry/Exit Doorway		
System Vapor Effluent Stack	Located on north building exterior wall		

Definitions:
AWS = Air/Water Separator
MCC - motor control center
MCP = main control panel
VPGAC = Vapor Phase Granular Activated Carbon
VT = Vacuum Transmitter
FT = Transmitter
LS = Level Sensor
B = Blower
NA = Not Applicable
VRV = Vacuum Relief Valve

Notes:
1. Process valves should be inspected, normal valve operating setting/positions are provided on Table 4.
2. Heat trace is only used during winter months (October-April).

Quarterly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: _____
Time: _____
Technician: _____

SYSTEM STATUS

System Running? (Yes/No) _____

Alarms? (List) _____

VAPOR SAMPLING LOCATIONS

Sample Location	PID TAG	Vapor Sample Collected (Y/N)	Condensate Present in Sample (Y/N)	Canister #	Canister Vacuum at Start (in. Hg.)	Canister Vacuum at Finish (in. Hg.)	Sample Time
SDS-1	SP-101						
SDS-2	SP-102						
SDS-3	SP-103						
SDS-4	SP-104						
SDS-5	SP-105						
SDS-6	SP-106						
SDS-7	SP-107						
SDS-8	SP-108						
Mid-Carbon	SP-302						
Effluent (Post-Carbon)	SP-303						

24 HOUR CONTINUOUS SUBSLAB MONITORING SCHEDULE

VMP Location	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
VMP-1A	X	X	X	X
VMP-1B				X
VMP-1C			X	
VMP-2A	X			
VMP-2B		X		
VMP-2C				X
VMP-3A	X			
VMP-3B		X		
VMP-3C			X	
VMP-3D			X	
VMP-3E				X
VMP-4	X			
VMP-5			X	
VMP-5A	X			
VMP-5B		X		
VMP-6			X	
VMP-6A	X	X	X	X
VMP-6B		X		
VMP-7				X
VMP-7A	X			X
VMP-7B		X		
VMP-8A	X			
VMP-8B		X		
VMP-8C			X	
VMP-8D				X

Definitions:

NR - Not Recorded

SDS - Sub-Slab Depressurization Sump

SP - Sample Port

PID - Piping and Instrumentation Diagram

VOCs - Volatile Organic Compounds

VMP - Vacuum monitoring point

in. Hg. - Inches of mercury

Quarterly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: _____

Time: _____

Technician: _____

VACUUM MONITORING POINTS	
VMP Location	**Differential Pressure (in. W.C.)**
VMP-1A	
VMP-1B	
VMP-1C	
VMP-2A	
VMP-2B	
VMP-2C	
VMP-3A	
VMP-3B	
VMP-3C	
VMP-3D	
VMP-3E	
VMP-4	
VMP-5	
VMP-5A	
VMP-5B	
VMP-6	
VMP-6A	
VMP-6B	
VMP-7	
VMP-7A	
VMP-7B	
VMP-8A	
VMP-8B	
VMP-8C	
VMP-8D	

SUB-SLAB DEPRESSURIZATION SUMPS					
SDS Location	**Induced Vacuum (in. W.C.)**		**Orifice Plate Differential Pressure (in. W.C.)**	**Orifice Plate Differential Pressure Typ. Ranges**	**FCV Position (turns open)**
SDS-1				0.03 - 0.07	
SDS-2				0.02 - 0.09	
SDS-3				0.20 - 1.1	
SDS-4				0.80 - 2.3	
SDS-5				0.08 - 0.30	
SDS-6				0.02 - 0.08	
SDS-7				0.02 - 0.04	
SDS-8					

Definitions:
NR - Not Recorded
SDS - Sub-Slab Depressurization Sump
SP - Sample Port
PID - Piping and Instrumentation Diagram
VOCs - Volatile Organic Compounds
VMP - Vacuum monitoring point
in. Hg. - Inches of mercury

Quarterly OM&M Checklist,
Subslab Depressurization System, Solvent Dock Area,
Former Lockheed Martin French Road Facility, Utica, New York

Date: _____
Time: _____
Technician: _____

CRITICAL SYSTEM DEVICE	Device Location	Inspected/Tested (yes/no)	Pass/Fail	Comments/Notes
MCC/MCP Mounted Equipment				
System Disconnect	Adjacent to MCC Door			
Blower H-O-A Switch	MCC Door			
Heat Exchanger H-O-A Switch	MCC Door			
VFD By-Pass Switch	MCC Door			
UPS Backup Battery	Inside MCP			
Panel Indicator Lights	MCC Door			
Process Equipment				
Vacuum Relief Valve (VRV-200)	Pre-Blower			
Filter Element (F-201)	Pre-Blower			

Definitions:
AWS = Air/Water Separator
MCC - motor control center
MCP = main control panel
VPGAC = Vapor Phase Granular Activated Carbon
VT = Vacuum Transmitter
FT = Transmitter
LS = Level Sensor
B = Blower
NA = Not Applicable
VRV = Vacuum Relief Valve

Notes:
1. Equipment locations can be found on the process and instrumentation diagram.
* Heat trace is only used during winter months.
**UPS battery backup should be replaced at a minimum, annually or as needed.
***Filter element F-201should be replaced at a minimum, annually or as needed.

Quarterly OM&M Checklist, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: _____
Time: _____
Technician: _____

QUARTERLY CRITICAL DEVICE / ALARM TESTING

Test the following critical alarms *(note that system must be in AUTO to observe proper alarm response):*

Alarm	Corresponding Transmitter / Sensor	PLC Alarm Name	Alarm Type	Caused PLC Alarm State Change? (Y/N)	Caused System Shutdown? (Y/N)	Passed (Y/N)
Vacuum Transmitter	VT-201	VA_201	fatal			
	Notes:					
Flow Transmitter	FT-301	FA_301	non-fatal			
	Notes:					
Pressure Transmitter	PT-201	PA_201	fatal			
	Notes:					
Temperature Transmitter	TT-201	TA_201	fatal			
	Notes:					
Temperature Transmitter	TT-301	TA_301	fatal			
	Notes:					
Air Water Separator High Level Switch	LSH-201	AWS_HI	non-fatal			
	Notes:					
Air Water Separator High-High Level Switch	LSHH-201	AWS_HH	fatal			
	Notes:					
Wet Floor Sensor	WFS-201	FLRWET	non-fatal			
	Notes:					

Quarterly OM&M Checklist, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: _____
Time: _____
Technician: _____

CRITICAL DEVICE CORRECTIVE ACTION LOG SHEET

Date: _____ Time: _____

Critical Device Failure:

Device Failure:

Corrective Action:

Completed O&M Checklists

Monthly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 2/5/14
Time: 10:30
Technician: CD (ARCADIS)
BH/WA (Stantec)

SYSTEM STATUS

System operational? *(PLC screen indicating system in "AUTO" or "MANUAL")* AUTO
Alarms? (List) None

SYSTEM PARAMETER	ID	Gauge Reading		PID TAG	PLC Reading	
Air/Water Tank Applied Vacuum	VI-201	71	(in. W.C.)	VT-201	-71.7	(in. W.C.)
Post-Blower Temperature	TI-201	152	(°F)	TT-201	153.7	(°F)
Post-Heat Exchanger Temperature	TI-301	88	(°F)	TT-301	93.8	(°F)
Influent Pitot Tube Differential Pressure	FI-301	0.24-0.28	(in. W.C.)	FT-301	85-99	(cfm)
Post-Blower Pressure	PI-201	5	(in. W.C.)	PT-201	3.8	(in. W.C.)
Post-Filter Applied Vacuum	VI-202	75	(in. W.C.)			
Pre-VPGAC Pressure	PI-301	3-4	(in. W.C.)			
Mid-VPGAC Pressure	PI-302	3-4	(in. W.C.)			

VACUUM MONITORING POINTS	
VMP Location	Differential Pressure (in. W.C.)
VMP-1A	+.005 to +.015
VMP-1B	-0.465
VMP-1C	-0.130
VMP-2A	-0.092
VMP-2B	-0.190
VMP-2C	-0.203
VMP-3A	-.058
VMP-3B	-.007
VMP-3C	-.022
VMP-3D	-.014
VMP-3E	-.015
VMP-4	-.075
VMP-5	-.608
VMP-5A	-.056
VMP-5B	-.027
VMP-6	-.174
VMP-6A	-.977
VMP-6B	-.314
VMP-7	-1.080
VMP-7A	-.22
VMP-7B	-.141

NO CAP* in hose tubing

VMP-8A -3.065

mp-8B -10

mp-8C -1.000 -0.003 to -0.004)

mp-8D 0.515 to 0.7

SUB-SLAB DEPRESSURIZATION SUMPS				
SDS Location	Induced Vacuum (in. W.C.)	Orifice Plate Differential Pressure (in. W.C.)	Orifice Plate Differential Pressure Typ. Ranges	FCV Position (turns open)
SDS-1	-.71	0.015	0.03 - 0.07	7.75
SDS-2	-1.2	0.063	0.02 - 0.09	0.75
SDS-3	-1.1	0.34	0.20 - 1.1	1.0
SDS-4	-0.98	1.6	0.80 - 2.3	1.25
SDS-5	-63	0.185	0.08 - 0.30	1.25
SDS-6	-70	0.01	0.02 - 0.08	7.75
SDS-7	-70	0.02	0.02 - 0.04	7.75
SDS-8	-66	1.7		0.50

METEOROLOGICAL DATA

Ambient Outdoor Temperature (°F): 27° F
Ambient Indoor Temperature (°F): 69° F
Barometric Pressure (in. Hg): 29.8
Barometric Pressure Trend: Rising or falling?

ADDITIONAL DATA

VFD Frequency (Hz): 47.5
Influent Vapor Velocity *(from VI-202 location, 1 fpm = 0.086 cfm)*: 1305 (fpm) / 112 (cfm)
Note position of HX-300 H-O-A switch: AUTO
Electrical Meter Reading (KWH): 213288
Surge Protector Operational? (Y/N): Yes

SYSTEM WATER/CONDENSATE INSPECTION

Water present in AWS-200 site gauge? (Y/N) No → drained 2/4/14
Note if AWS-200, VPGAC-301, VPGAC-302, or any other normally closed condensate drain component was drained. Estimate quantity: Yes, both VPGACs, AWS, VPGAC manifold, & HX-bypass & HX effluent drained. >50 gallons total

VALVE INSPECTION

Note position of BFV-301, 302, and 303: BFV-301 open BFV-302 open BFV-303 closed
Note/confirm butterfly valve configuration as it pertains to order of VPGAC vessels: VPGAC-301 then VPGAC-302
Are condensate drain valves for AWS-200, VPGAC-301, and VPGAC-302 in closed position? (Y/N) closed

BASEMENT SUMP INSPECTION

Water present in sumps? (Y/N): How much? (est. in inches) 15" in west sump, 1" in east sump

OTHER NOTES:

Monthly OM&M Checklist
Sub-Slab Depressurization System, Solvent Dock Area,
Former Lockheed Martin French Road Facility, Utica, New York.

Date: 3/6/14
Time: 11:20
Technician: CD/WA/BH
Stanter

CRITICAL SYSTEM DEVICE	Device Location	Inspected (yes/no)	Comments/Notes
MCC/MCP Mounted Equipment			
Electrical Hazard Signage	Outside/Inside MCP and MCC	Y	
Electric Meter	Adjacent to MCC Door	Y	213476
Surge Protection Device	Outside MCC	Y	
Field Mounted Equipment			
System Exhaust Vent Screen	Post-VPGAC	Y	Ice forming on vent
Process Valve Locks/Positions[1]	Skid/Field	Y	
Post Blower Piping Connections	Skid/Field	Y	
Heat Trace[2]	AWS-200/ VPGAC-301/302 Condensate Drains	Y	
Fire Extinguisher	Treatment Building Primary Entry/Exit Doorway	Y	
System Vapor Effluent Stack	Located on north building exterior wall	Y	

Definitions:
AWS = Air/Water Separator
MCC - motor control center
MCP = main control panel
VPGAC = Vapor Phase Granular Activated Carbon
VT = Vacuum Transmitter
FT = Transmitter
LS = Level Sensor
B = Blower
NA = Not Applicable
VRV = Vacuum Relief Valve

Notes:
1. Process valves should be inspected, normal valve operating setting/positions are provided on Table 4.
2. Heat trace is only used during winter months (October-April).

Monthly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 3/4
Time: 1430
Technician: WA + BH

SYSTEM STATUS

System operational? *(PLC screen indicating system in "AUTO" or "MANUAL")* Auto
Alarms? (List) Hi AWS after condensate drainage

SYSTEM PARAMETER	ID	Gauge Reading		PID TAG	PLC Reading	
Air/Water Tank Applied Vacuum	VI-201	-72	(in. W.C.)	VT-201	-69.9	(in. W.C.)
Post-Blower Temperature	TI-201	143	(°F)	TT-201	146.1	(°F)
Post-Heat Exchanger Temperature	TI-301	69	(°F)	TT-301	68.4	(°F)
Influent Pitot Tube Differential Pressure	FI-301	0.20	(in. W.C.)	FT-301	68	(cfm)
Post-Blower Pressure	PI-201	5	(in. W.C.)	PT-201	4.9	(in. W.C.)
Post-Filter Applied Vacuum	VI-202	72	(in. W.C.)			
Pre-VPGAC Pressure	PI-301	1	(in. W.C.)			
Mid-VPGAC Pressure	PI-302	21	(in. W.C.)			

VACUUM MONITORING POINTS	
VMP Location	**Differential Pressure (in. W.C.)**
VMP-1A	
VMP-1B	
VMP-1C	
VMP-2A	
VMP-2B	
VMP-2C	
VMP-3A	
VMP-3B	
VMP-3C	
VMP-3D	
VMP-3E	
VMP-4	
VMP-5	
VMP-5A	
VMP-5B	
VMP-6	
VMP-6A	
VMP-6B	
VMP-7	
VMP-7A	
VMP-7B	

SUB-SLAB DEPRESSURIZATION SUMPS				
SDS Location	**Induced Vacuum (in. W.C.)**	**Orifice Plate Differential Pressure (in. W.C.)**	**Orifice Plate Differential Pressure Typ. Ranges**	**FCV Position (turns open)**
SDS-1			0.03 - 0.07	
SDS-2			0.02 - 0.09	
SDS-3			0.20 - 1.1	
SDS-4			0.80 - 2.3	
SDS-5			0.08 - 0.30	
SDS-6			0.02 - 0.08	
SDS-7			0.02 - 0.04	

METEOROLOGICAL DATA

Ambient Outdoor Temperature (°F): 8
Ambient Indoor Temperature (°F): Need thermometer
Barometric Pressure (in. Hg):
Barometric Pressure Trend: Rising or falling?

ADDITIONAL DATA

VFD Frequency (Hz): initial 47.5 → during readings 46.2 → before we left 46.9
Influent Vapor Velocity *(from VI-202 location, 1 fpm = 0.086 cfm)*: ? (fpm) (cfm)
Note position of HX-300 H-O-A switch: Auto
Electrical Meter Reading (KWH): 218726
Surge Protector Operational? (Y/N): Y

SYSTEM WATER/CONDENSATE INSPECTION

Water present in AWS-200 site gauge? (Y/N) Y
Note if AWS-200, VPGAC-301, VPGAC-302, or any other normally closed condensate drain component was drained. Estimate quantity: Drained AWS, VPGAC-301, VPGAC-302
43 gal 35 gal

VALVE INSPECTION

Note position of BFV-301, 302, and 303: *BFV-301* open *BFV-302* open *BFV-303* closed
Note/confirm butterfly valve configuration as it pertains to order of VPGAC vessels: OK
Are condensate drain valves for AWS-200, VPGAC-301, and VPGAC-302 in closed position? (Y/N) Y

BASEMENT SUMP INSPECTION

Water present in sumps? (Y/N): How much? (est. in inches) Y W: 13" E: 1"

OTHER NOTES: Adjusted VFD frequency to 46.9 @ 71.1 IWC VT-201

Monthly OM&M Checklist
Sub-Slab Depressurization System, Solvent Dock Area,
Former Lockheed Martin French Road Facility, Utica, New York.

Date: 3/4/14
Time: 1500
Technician: BH WA

CRITICAL SYSTEM DEVICE	Device Location	Inspected (yes/no)	Comments/Notes
MCC/MCP Mounted Equipment			
Electrical Hazard Signage	Outside/Inside MCP and MCC	Y	
Electric Meter	Adjacent to MCC Door	Y	
Surge Protection Device	Outside MCC	Y	
Field Mounted Equipment			
System Exhaust Vent Screen	Post-VPGAC	OK	
Process Valve Locks/Positions[1]	Skid/Field	Y	
Post Blower Piping Connections	Skid/Field	Y	
Heat Trace[2]	AWS-200/ VPGAC-301/302 Condensate Drains	Y	
Fire Extinguisher	Treatment Building Primary Entry/Exit Doorway	Y	
System Vapor Effluent Stack	Located on north building exterior wall	OK	

Definitions:
AWS = Air/Water Separator
MCC - motor control center
MCP = main control panel
VPGAC = Vapor Phase Granular Activated Carbon
VT = Vacuum Transmitter
FT = Transmitter
LS = Level Sensor
B = Blower
NA = Not Applicable
VRV = Vacuum Relief Valve

Notes:
1. Process valves should be inspected, normal valve operating setting/positions are provided on Table 4.
2. Heat trace is only used during winter months (October-April).

Monthly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 4/4/14
Time:
Technician: BH & WA

SYSTEM STATUS

System operational? *(PLC screen indicating system in "AUTO" or "MANUAL")* Auto
Alarms? (List) No

SYSTEM PARAMETER	ID	Gauge Reading		PID TAG	PLC Reading	
Air/Water Tank Applied Vacuum	VI-201	-71	(in. W.C.)	VT-201	-69.6	(in. W.C.)
Post-Blower Temperature	TI-201	160	(°F)	TT-201	162.3	(°F)
Post-Heat Exchanger Temperature	TI-301	78	(°F)	TT-301	77.4	(°F)
Influent Pitot Tube Differential Pressure	FI-301	0.24	(in. W.C.)	FT-301	73-82	(cfm)
Post-Blower Pressure	PI-201	5	(in. W.C.)	PT-201	4.2	(in. W.C.)
Post-Filter Applied Vacuum	VI-202	-73	(in. W.C.)			
Pre-VPGAC Pressure	PI-301	1	(in. W.C.)			
Mid-VPGAC Pressure	PI-302	1	(in. W.C.)			

METEOROLOGICAL DATA

Ambient Outdoor Temperature (°F): 39
Ambient Indoor Temperature (°F): 41
Barometric Pressure (in. Hg): 30.07
Barometric Pressure Trend: Rising or (falling?)

ADDITIONAL DATA

VFD Frequency (Hz): 46.6
Influent Vapor Velocity *(from VI-202 location, 1 fpm = 0.086 cfm)*: 1750 (fpm) / 150.5 (cfm)
Note position of HX-300 H-O-A switch: Auto
Electrical Meter Reading (KWH): 224710
Surge Protector Operational? (Y/N): Y

SYSTEM WATER/CONDENSATE INSPECTION

Water present in AWS-200 site gauge? (Y/N): Y Halfway to Hi Alarm tick mark. Drained
Note if AWS-200, VPGAC-301, VPGAC-302, or any other normally closed condensate drain component was drained. Estimate quantity: All three ~50 gallons. Did not measure flow rate into M-1-2

VALVE INSPECTION

Note position of BFV-301, 302, and 303: BFV-301 open; BFV-302 open; BFV-303 closed

Note/confirm butterfly valve configuration as it pertains to order of VPGAC vessels: ok

Are condensate drain valves for AWS-200, VPGAC-301, and VPGAC-302 in closed position? (Y/N): Y

BASEMENT SUMP INSPECTION

Water present in sumps? (Y/N): How much? (est. in inches): yes w/ sheen 14" W, 1/4" E

OTHER NOTES: Set VFD frequency to 47.6 from 46.8. New vacuum: -71.5

Monthly OM&M Checklist
Sub-Slab Depressurization System, Solvent Dock Area,
Former Lockheed Martin French Road Facility, Utica, New York.

Date: 4/4/14
Time:
Technician: BH + WA

CRITICAL SYSTEM DEVICE	Device Location	Inspected (yes/no)	Comments/Notes
MCC/MCP Mounted Equipment			
Electrical Hazard Signage	Outside/Inside MCP and MCC	Y	
Electric Meter	Adjacent to MCC Door	Y	
Surge Protection Device	Outside MCC	Y	
Field Mounted Equipment			
System Exhaust Vent Screen	Post-VPGAC	Y	
Process Valve Locks/Positions[1]	Skid/Field	Y	
Post Blower Piping Connections	Skid/Field	Y	
Heat Trace[2]	AWS-200/ VPGAC-301/302 Condensate Drains	Y	
Fire Extinguisher	Treatment Building Primary Entry/Exit Doorway	Y	
System Vapor Effluent Stack	Located on north building exterior wall	Y	

Definitions:
AWS = Air/Water Separator
MCC - motor control center
MCP = main control panel
VPGAC = Vapor Phase Granular Activated Carbon
VT = Vacuum Transmitter
FT = Transmitter
LS = Level Sensor
B = Blower
NA = Not Applicable
VRV = Vacuum Relief Valve

Notes:
1. Process valves should be inspected, normal valve operating setting/positions are provided on Table 4.
2. Heat trace is only used during winter months (October-April).

Quarterly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 4/4/14
Time:
Technician: BH + WA

SYSTEM STATUS

System Running? (Yes/No) Y
Alarms? (List) none

VAPOR SAMPLING LOCATIONS

Sample Location	PID TAG	Vapor Sample Collected (Y/N)	Condensate Present in Sample (Y/N)	Canister #	Canister Vacuum at Start (in. Hg.)	Canister Vacuum at Finish (in. Hg.)	Sample Time
SDS-1	SP-101	Y	N	4789	-30.5	-7	1455
SDS-2	SP-102	Y	N	5092	-30	-7	1515
SDS-3	SP-103	Y	N	2533	-32	-6	1445
SDS-4	SP-104	Y	N	5454	-30	-6	1405
SDS-5	SP-105	Y	N	2508	-30	-6	1550
SDS-6	SP-106	Y	N	5721	-30	-7	1540
SDS-7	SP-107	Y	N	5639	-30	-7	1530
SDS-8	SP-108	Y	N	5057	-30	-6	1525
Mid-Carbon	SP-302	Y	N	3712	-30	-7	1125
Effluent (Post-Carbon)	SP-303	Y	N	5082	-29.9	-6.5	1135

24 HOUR CONTINUOUS SUBSLAB MONITORING SCHEDULE

VMP Location	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
VMP-1A	X	X	X	X
VMP-1B				X
VMP-1C			X	
VMP-2A	X			
VMP-2B		X		
VMP-2C				X
VMP-3A	X			
VMP-3B		X		
VMP-3C			X	
VMP-3D			X	
VMP-3E				X
VMP-4	X			
VMP-5			X	
VMP-5A	X			
VMP-5B		X		
VMP-6			X	
VMP-6A	X	X	X	X
VMP-6B		X		
VMP-7				X
VMP-7A	X			X
VMP-7B		X		
VMP-8A	X			
VMP-8B		X		
VMP-8C			X	
VMP-8D				X

Definitions:
NR - Not Recorded
SDS - Sub-Slab Depressurization S ump
SP - Sample Port
PID - Piping and Instrum entation Di agram
VOCs - Volatile Organic Compounds
VMP - Vacuum monitoring point
in. Hg. - Inches of mercury

ID	#	Vac start	Vac end	time
GCTS Pre Carbon	5128	-31	-7	0940
GCTS mid Carbon	2720	-31	-6	0930
GCTS Post Carbon	4807	-31	-7	0926

Quarterly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 4/4/14
Time: 0800
Technician: BH + WA

VACUUM MONITORING POINTS	
VMP Location	Differential Pressure (in. W.C.)
VMP-1A	-0.007
VMP-1B	-0.441
VMP-1C	-0.122
VMP-2A	-0.085
VMP-2B	-0.181
VMP-2C	-0.171
VMP-3A	-0.056
VMP-3B	-0.009
VMP-3C	-0.021
VMP-3D	-0.015
VMP-3E	-0.013
VMP-4	+0.009
VMP-5	-0.669
VMP-5A	-0.055
VMP-5B	-0.031
VMP-6	-0.205
VMP-6A	-0.967
VMP-6B	-0.326
VMP-7	-1.042
VMP-7A	< -15
VMP-7B	-0.140
VMP-8A	-2.992
VMP-8B	-8.25
VMP-8C	0 to -0.004
VMP-8D	-0.029

to -0.013

SUB-SLAB DEPRESSURIZATION SUMPS				
SDS Location	Induced Vacuum (in. W.C.)	Orifice Plate Differential Pressure (in. W.C.)	Orifice Plate Differential Pressure Typ. Ranges	FCV Position (turns open)
SDS-1	63.9	0.02	0.03 - 0.07	1.0
SDS-2	0.96	0.06	0.02 - 0.09	0.75
SDS-3	1.0	0.3	0.20 - 1.1	1.0
SDS-4	1.0	1.5	0.80 - 2.3	1.25
SDS-5	55.2	0.215	0.08 - 0.30	1.25
SDS-6	61.4	0.025	0.02 - 0.08	8
SDS-7	62.0	0.015	0.02 - 0.04	8
SDS-8	61.0	1.4		7.5

Definitions:
NR - Not Recorded
SDS - Sub-Slab Depressurization Sump
SP - Sample Port
PID - Piping and Instrumentation Diagram
VOCs - Volatile Organic Compounds
VMP - Vacuum monitoring point
in. Hg. - Inches of mercury

Quarterly OM&M Checklist, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 4/4/14
Time:
Technician: BH + WA

QUARTERLY CRITICAL DEVICE / ALARM TESTING

Test the following critical alarms *(note that system must be in AUTO to observe proper alarm response)*:

Alarm	Corresponding Transmitter / Sensor	PLC Alarm Name	Alarm Type	Caused PLC Alarm State Change? (Y/N)	Caused System Shutdown? (Y/N)	Passed (Y/N)
Vacuum Transmitter	VT-201	VA_201	fatal	Y	Y	Y
	Notes: Setpoint LO -90 HI -30 change to -50 ⇒ 3 min delay Shutdown -70 ⇒ 2 min delay Shutdown					
Flow Transmitter	FT-301	FA_301	non-fatal	Y	N	Y
	Notes: Unplugged high pressure tubing ~~Setp~~ at FT-301, No low alarm					
Pressure Transmitter	PT-201	PA_201	fatal	Y	Y	Y
	Notes: Started blower in direct. Quick ~5 sec delay No low alarm					
Temperature Transmitter	TT-201	TA_201	fatal	Y	Y	Y
	Notes: Setpoint LO 40 HI 225 change to 100 40 No low Alarm Fatal					
Temperature Transmitter	TT-301	TA_301	fatal	Y	Y	Y
	Notes: Setpoint LO 80 HI 105 change to 37 Fatal					
Air Water Separator High Level Switch	LSH-201	AWS_HI	non-fatal	Y	N	Y
	Notes: filled with hose from back of plastics engineering building					
Air Water Separator High-High Level Switch	LSHH-201	AWS_HH	fatal	Y	Y	Y
	Notes: filled "					
Wet Floor Sensor	WFS-201	FLRWET	non-fatal	Y	N	Y
	Notes: Wetted					

* To turn blower on, set Freq from 46.8 down to

Quarterly OM&M Checklist,
Subslab Depressurization System, Solvent Dock Area,
Former Lockheed Martin French Road Facility, Utica, New York

Date: 4/4/14
Time:
Technician: BH + WA

CRITICAL SYSTEM DEVICE	Device Location	Inspected/Tested (yes/no)	Pass/Fail	Comments/Notes
MCC/MCP Mounted Equipment				
System Disconnect	Adjacent to MCC Door	Y	Y	
Blower H-O-A Switch	MCC Door	Y	Y	
Heat Exchanger H-O-A Switch	MCC Door	Y	Y	
VFD By-Pass Switch	MCC Door	Y	Y	
UPS Backup Battery	Inside MCP	Y	Y	
Panel Indicator Lights	MCC Door	Y	Y	
Process Equipment				
Vacuum Relief Valve (VRV-200)	Pre-Blower	Y	Y	
Filter Element (F-201)	Pre-Blower	Y	Y	

Definitions:
AWS = Air/Water Separator
MCC - motor control center
MCP = main control panel
VPGAC = Vapor Phase Granular Activated Carbon
VT = Vacuum Transmitter
FT = Transmitter
LS = Level Sensor
B = Blower
NA = Not Applicable
VRV = Vacuum Relief Valve

Notes:
1. Equipment locations can be found on the process and instrumentation diagram.
* Heat trace is only used during winter months.
**UPS battery backup should be replaced at a minimum, annually or as needed.
***Filter element F-201should be replaced at a minimum, annually or as needed.

Monthly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 5/5/14
Time: 1140
Technician: WA

SYSTEM STATUS

System operational? *(PLC screen indicating system in "AUTO" or "MANUAL")* Auto
Alarms? (List) none

SYSTEM PARAMETER	ID	Gauge Reading		PID TAG	PLC Reading	
Air/Water Tank Applied Vacuum	VI-201	74	(in. W.C.)	VT-201	73.0	(in. W.C.)
Post-Blower Temperature	TI-201	184	(°F)	TT-201	182.1	(°F)
Post-Heat Exchanger Temperature	TI-301	88	(°F)	TT-301	95.6	(°F)
Influent Pitot Tube Differential Pressure	FI-301	0.28	(in. W.C.)	FT-301	87-99	(cfm)
Post-Blower Pressure	PI-201	4.1	(in. W.C.)	PT-201	3.2	(in. W.C.)
Post-Filter Applied Vacuum	VI-202	76	(in. W.C.)			
Pre-VPGAC Pressure	PI-301	1	(in. W.C.)			
Mid-VPGAC Pressure	PI-302	0.5	(in. W.C.)			

METEOROLOGICAL DATA

Ambient Outdoor Temperature (°F): 50
Ambient Indoor Temperature (°F): 49
Barometric Pressure (in. Hg): 29.9
Barometric Pressure Trend: Rising or falling?

ADDITIONAL DATA

VFD Frequency (Hz): 49.6
Influent Vapor Velocity (*from VI-202 location, 1 fpm = 0.086 cfm)* 1250 (fpm) 1075 (cfm)
Note position of HX-300 H-O-A switch: Auto
Electrical Meter Reading (KWH): 230995
Surge Protector Operational? (Y/N): Y

SYSTEM WATER/CONDENSATE INSPECTION

Water present in AWS-200 site gauge? (Y/N) N
Note if AWS-200, VPGAC-301, VPGAC-302, or any other normally closed condensate drain component was drained. Estimate quantity: VPGAC-301 + VPGAC-302 ~10 gal

VALVE INSPECTION

Note position of BFV-301, 302, and 303: *BFV-301* open *BFV-302* open *BFV-303* Shut

Note/confirm butterfly valve configuration as it pertains to order of VPGAC vessels: Confirmed in Series 301 → 302

Are condensate drain valves for AWS-200, VPGAC-301, and VPGAC-302 in closed position? (Y/N) Y

BASEMENT SUMP INSPECTION

Water present in sumps? (Y/N): How much? (est. in inches) 13 7/8 in 1/16 in ~~8 in~~

OTHER NOTES:
Changed VFD frequency to 48.8. Vacuum VT-201 ~~dropped~~ rose to -71.4

Monthly OM&M Checklist
Sub-Slab Depressurization System, Solvent Dock Area,
Former Lockheed Martin French Road Facility, Utica, New York.

Date: 5/5/14
Time: 1140
Technician: WA

CRITICAL SYSTEM DEVICE	Device Location	Inspected (yes/no)	Comments/Notes
MCC/MCP Mounted Equipment			
Electrical Hazard Signage	Outside/Inside MCP and MCC	Y	
Electric Meter	Adjacent to MCC Door	Y	
Surge Protection Device	Outside MCC	Y	
Field Mounted Equipment			
System Exhaust Vent Screen	Post-VPGAC	Y	
Process Valve Locks/Positions[1]	Skid/Field	Y	
Post Blower Piping Connections	Skid/Field	Y	
Heat Trace[2]	AWS-200/ VPGAC-301/302 Condensate Drains	Y	
Fire Extinguisher	Treatment Building Primary Entry/Exit Doorway	Y	
System Vapor Effluent Stack	Located on north building exterior wall	Y	

Definitions:
AWS = Air/Water Separator
MCC - motor control center
MCP = main control panel
VPGAC = Vapor Phase Granular Activated Carbon
VT = Vacuum Transmitter
FT = Transmitter
LS = Level Sensor
B = Blower
NA = Not Applicable
VRV = Vacuum Relief Valve

Notes:
1. Process valves should be inspected, normal valve operating setting/positions are provided on Table 4.
2. Heat trace is only used during winter months (October-April).

Monthly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 6/13/14
Time: 1100
Technician: Ben Haravitch

SYSTEM STATUS

System operational? *(PLC screen indicating system in "AUTO" or "MANUAL")* Auto
Alarms? (List) None

SYSTEM PARAMETER	ID	Gauge Reading		PID TAG	PLC Reading	
Air/Water Tank Applied Vacuum	VI-201	-73	(in. W.C.)	VT-201	-70.7	(in. W.C.)
Post-Blower Temperature	TI-201	192	(°F)	TT-201	190.3	(°F)
Post-Heat Exchanger Temperature	TI-301	85	(°F)	TT-301	92.9	(°F)
Influent Pitot Tube Differential Pressure	FI-301	0.28	(in. W.C.)	FT-301	93-103	(cfm)
Post-Blower Pressure	PI-201	4	(in. W.C.)	PT-201	2.8	(in. W.C.)
Post-Filter Applied Vacuum	VI-202	-74	(in. W.C.)			
Pre-VPGAC Pressure	PI-301	2	(in. W.C.)			
Mid-VPGAC Pressure	PI-302	2	(in. W.C.)			

METEOROLOGICAL DATA

Ambient Outdoor Temperature (°F): 71.4
Ambient Indoor Temperature (°F): 72.1
Barometric Pressure (in. Hg): 29.8
Barometric Pressure Trend: Rising or falling? steady

ADDITIONAL DATA

VFD Frequency (Hz): 15.0
Influent Vapor Velocity (*from VI-202 location, 1 fpm = 0.086 cfm*): 2350 (fpm) 2021 (cfm)
Note position of HX-300 H-O-A switch: Auto
Electrical Meter Reading (KWH): 239,279
Surge Protector Operational? (Y/N): Y

SYSTEM WATER/CONDENSATE INSPECTION

Water present in AWS-200 site gauge? (Y/N) No
Note if AWS-200, VPGAC-301, VPGAC-302, or any other normally closed condensate drain component was drained. Estimate quantity: Opened VPGAC 301 + 302. No water drained. Inspected VPGAC manifold drain hole: clear

VALVE INSPECTION

Note position of BFV-301, 302, and 303: BFV-301 open BFV-302 open BFV-303 closed
Note/confirm butterfly valve configuration as it pertains to order of VPGAC vessels: OK. In series from 301 → 302
Are condensate drain valves for AWS-200, VPGAC-301, and VPGAC-302 in closed position? (Y/N) Yes

BASEMENT SUMP INSPECTION

Water present in sumps? (Y/N): How much? (est. in inches) West 15" East 0.5"

OTHER NOTES: Vermiculite not removed from basement.

Monthly OM&M Checklist
Sub-Slab Depressurization System, Solvent Dock Area,
Former Lockheed Martin French Road Facility, Utica, New York.

Date: 6/13/14
Time: 1100
Technician: BH

CRITICAL SYSTEM DEVICE	Device Location	Inspected (yes/no)	Comments/Notes
MCC/MCP Mounted Equipment			
Electrical Hazard Signage	Outside/Inside MCP and MCC	Y	
Electric Meter	Adjacent to MCC Door	Y	
Surge Protection Device	Outside MCC	Y	
Field Mounted Equipment			
System Exhaust Vent Screen	Post-VPGAC	Y	
Process Valve Locks/Positions[1]	Skid/Field	Y	
Post Blower Piping Connections	Skid/Field	Y	
Heat Trace[2]	AWS-200/ VPGAC-301/302 Condensate Drains	Y	
Fire Extinguisher	Treatment Building Primary Entry/Exit Doorway	Y	
System Vapor Effluent Stack	Located on north building exterior wall	Y	

Definitions:
AWS = Air/Water Separator
MCC - motor control center
MCP = main control panel
VPGAC = Vapor Phase Granular Activated Carbon
VT = Vacuum Transmitter
FT = Transmitter
LS = Level Sensor
B = Blower
NA = Not Applicable
VRV = Vacuum Relief Valve

Notes:
1. Process valves should be inspected, normal valve operating setting/positions are provided on Table 4.
2. Heat trace is only used during winter months (October-April).

Monthly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 7/8/14
Time: 1600
Technician: WA + BH

SYSTEM STATUS

System operational? *(PLC screen indicating system in "AUTO" or "MANUAL")* Auto

Alarms? (List) None

SYSTEM PARAMETER	ID	Gauge Reading		PID TAG	PLC Reading	
Air/Water Tank Applied Vacuum	VI-201	-72.0	(in. W.C.)	VT-201	-69.0	(in. W.C.)
Post-Blower Temperature	TI-201	200	(°F)	TT-201	197.3	(°F)
Post-Heat Exchanger Temperature	TI-301	89	(°F)	TT-301	88.2	(°F)
Influent Pitot Tube Differential Pressure	FI-301	0.29	(in. W.C.)	FT-301	100	(cfm)
Post-Blower Pressure	PI-201	4	(in. W.C.)	PT-201	3.0	(in. W.C.)
Post-Filter Applied Vacuum	VI-202	-73	(in. W.C.)			
Pre-VPGAC Pressure	PI-301	0	(in. W.C.)			
Mid-VPGAC Pressure	PI-302	0	(in. W.C.)			

METEOROLOGICAL DATA

Ambient Outdoor Temperature (°F): 74
Ambient Indoor Temperature (°F): 75
Barometric Pressure (in. Hg): 30.18
Barometric Pressure Trend: Rising or falling? steady

ADDITIONAL DATA

VFD Frequency (Hz): 48.8
Influent Vapor Velocity *(from VI-202 location, 1 fpm = 0.086 cfm)*: 1495 (fpm) / 129 (cfm)
Note position of HX-300 H-O-A switch: Auto
Electrical Meter Reading (KWH): 24396
Surge Protector Operational? (Y/N): Y

SYSTEM WATER/CONDENSATE INSPECTION

Water present in AWS-200 site gauge? (Y/N) N

Note if AWS-200, VPGAC-301, VPGAC-302, or any other normally closed condensate drain component was drained. Estimate quantity: No drainage

VALVE INSPECTION

Note position of BFV-301, 302, and 303: BFV-301 open BFV-302 open BFV-303 closed

Note/confirm butterfly valve configuration as it pertains to order of VPGAC vessels: Confirmed vessels in series

Are condensate drain valves for AWS-200, VPGAC-301, and VPGAC-302 in closed position? (Y/N) Y

BASEMENT SUMP INSPECTION

Water present in sumps? (Y/N): How much? (est. in inches) No access

OTHER NOTES:

Monthly OM&M Checklist
Sub-Slab Depressurization System, Solvent Dock Area,
Former Lockheed Martin French Road Facility, Utica, New York.

Date: 7/11/14
Time: 0800
Technician: WA + BH

CRITICAL SYSTEM DEVICE	Device Location	Inspected (yes/no)	Comments/Notes
MCC/MCP Mounted Equipment			
Electrical Hazard Signage	Outside/Inside MCP and MCC	Y	
Electric Meter	Adjacent to MCC Door	Y	244991
Surge Protection Device	Outside MCC	Y	
Field Mounted Equipment			
System Exhaust Vent Screen	Post-VPGAC	Y	
Process Valve Locks/Positions[1]	Skid/Field	Y	
Post Blower Piping Connections	Skid/Field	Y	
Heat Trace[2]	AWS-200/ VPGAC-301/302 Condensate Drains	Y	
Fire Extinguisher	Treatment Building Primary Entry/Exit Doorway	Y	
System Vapor Effluent Stack	Located on north building exterior wall	Y	

Definitions:
AWS = Air/Water Separator
MCC - motor control center
MCP = main control panel
VPGAC = Vapor Phase Granular Activated Carbon
VT = Vacuum Transmitter
FT = Transmitter
LS = Level Sensor
B = Blower
NA = Not Applicable
VRV = Vacuum Relief Valve

Notes:
1. Process valves should be inspected, normal valve operating setting/positions are provided on Table 4.
2. Heat trace is only used during winter months (October-April).

Quarterly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 7/9/14
Time: 0800
Technician: WA + BH

VACUUM MONITORING POINTS		
VMP Location	Differential Pressure (in. W.C.)	
VMP-1A	-0.019	
VMP-1B	-0.427	
VMP-1C	-0.130	
VMP-2A	-0.083	
VMP-2B	-0.182	
VMP-2C	-0.174	
VMP-3A	-0.053	
VMP-3B	-0.010	
VMP-3C	-0.029	
VMP-3D	-0.021	
VMP-3E	-0.022	
VMP-4	-0.052	
VMP-5	-0.692	-0.741
VMP-5A	-0.053	-0.053
VMP-5B	-0.036	
VMP-6	-0.217	-.224
VMP-6A	-0.912	-1.088
VMP-6B	-0.311	
VMP-7	-0.952	
VMP-7A	~~<-15~~	
VMP-7B	-0.135	
VMP-8A	-2.830	
VMP-8B	13	
VMP-8C	-0.006	-0.009
VMP-8D	-0.017	

SUB-SLAB DEPRESSURIZATION SUMPS					
SDS Location	Induced Vacuum (in. W.C.)		Orifice Plate Differential Pressure (in. W.C.)	Orifice Plate Differential Pressure Typ. Ranges	FCV Position (turns open)
SDS-1	63		0.022	0.03 - 0.07	7.5
SDS-2	0.96		0.07	0.02 - 0.09	0.75
SDS-3	2		0.35	0.20 - 1.1	1
SDS-4	1.1		1.5	0.80 - 2.3	1.25
SDS-5	55		0.21	0.08 - 0.30	1.25
SDS-6	62		0.02	0.02 - 0.08	7.5
SDS-7	63		0.015	0.02 - 0.04	7.5
SDS-8	60		1.3		7.5

Definitions:
NR - Not Recorded
SDS - Sub-Slab Depressurization S ump
SP - Sample Port
PID - Piping and Instrum entation Di agram
VOCs - Volatile O rganic Compounds
VMP - Vacuum monitoring point
in. Hg. - Inches of mercury

Notes:
VMP-8D began over instrument pressure range but moved down to negative reading after 30s

VMP-4 large fluctuations. Remains below -0.004 threshold w/ fluctuations

★ changed VFD freq to 49.8 Hz
changed Sump # 6 from 7.5 turn open to 4 turn open.

Quarterly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 7/10/14
Time: 1400
Technician: WA

SYSTEM STATUS

System Running? (Yes/No) Yes
Alarms? (List) None

VAPOR SAMPLING LOCATIONS

Sample Location	PID TAG	Vapor Sample Collected (Y/N)	Condensate Present in Sample (Y/N)	Canister #	Canister Vacuum at Start (in. Hg.)	Canister Vacuum at Finish (in. Hg.)	Sample Time
SDS-1	SP-101	Y	N	3320	-29.5	-5	1525
SDS-2	SP-102	Y	N	4242	-29.5	-5	1534
SDS-3	SP-103	Y	N	5400	-29	-5	1555
SDS-4	SP-104	Y	N	5717	-29	-5	1543
SDS-5	SP-105	Y	N	3017	-29.5	-5.0	1507
SDS-6	SP-106	Y	N	4068	-29.1	-5.5	1500
SDS-7	SP-107	Y	N	5121	-29.5	-5.5	1445
SDS-8	SP-108	Y	N	4472	-30	-5.5	1440
Mid-Carbon	SP-302	Y	N	2708	-30	-4.8	1645
Effluent (Post-Carbon)	SP-303	Y	N	3145	-30	-5.2	1641
VMP 8C		Y	N	4716	-29	-4	1415

24 HOUR CONTINUOUS SUBSLAB MONITORING SCHEDULE

VMP Location	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
C VMP-1A	X	X	X	X
VMP-1B				X
C VMP-1C			X	
VMP-2A	X			
VMP-2B		X		
VMP-2C				X
VMP-3A	X			
VMP-3B		X		
C VMP-3C			X	
C VMP-3D			X	
VMP-3E				X
VMP-4	X			
VMP-5			X	
VMP-5A	X			
VMP-5B		X		
VMP-6			X	
VMP-6A	X	X	X	X
VMP-6B		X		
VMP-7				X
VMP-7A	X			X
VMP-7B		X		
VMP-8A	X			
VMP-8B		X		
VMP-8C			X	
VMP-8D				X

Definitions:
NR - Not Recorded
SDS - Sub-Slab Depressurization S ump
SP - Sample Port
PID - Piping and Instrum entation Di agram
VOCs - Volatile Organic Compounds
VMP - Vacuum monitoring point
in. Hg. - Inches of mercury

Quarterly OM&M Checklist, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 7/10/14
Time: 1500
Technician: MTBH

QUARTERLY CRITICAL DEVICE / ALARM TESTING

Test the following critical alarms *(note that system must be in AUTO to observe proper alarm response)*:

Alarm	Corresponding Transmitter / Sensor	PLC Alarm Name	Alarm Type	Caused PLC Alarm State Change? (Y/N)	Caused System Shutdown? (Y/N)	Passed (Y/N)
Vacuum Transmitter	VT-201	VA_201	fatal	Y	Y	Y
	Notes: Low -90.0 high -30.0 changed PLC Alarm levels set to -60.0 ✓ -80.0 ✓					
Flow Transmitter	FT-301	FA_301	non-fatal	Y	N	Y
	Notes: Low 5 CFM hig 200 Change PLC Alarm levels set to ~~200~~ 150 / high 10					
Pressure Transmitter	PT-201	PA_201	fatal	Y	Y	Y
	Notes: changed PLC Alarm levels ~~hig~~ at low 0.5 high 30 change to 5 changed to 1 need to change low-low					
Temperature Transmitter	TT-201	TA_201	fatal	Y	Y	Y
	Notes: changed PLC alarm setpoints No low alarm low 40 high 225 changed to 200 100					
Temperature Transmitter	TT-301	TA_301	fatal	Y	Y	Y
	Notes: changed PLC alarm setpoints No low alarm low 80 high-high 115 changed to ~~55~~ 100 set to 82					
Air Water Separator High Level Switch	LSH-201	AWS_HI	non-fatal	Y	N	Y
	Notes: filled AWS with water from hose					
Air Water Separator High-High Level Switch	LSHH-201	AWS_HH	fatal	Y	Y	Y
	Notes: filled AWS with water from hose					
Wet Floor Sensor	WFS-201	FLRWET	non-fatal	Y	N	Y
	Notes: poured water on sensor					

Quarterly OM&M Checklist,
Subslab Depressurization System, Solvent Dock Area,
Former Lockheed Martin French Road Facility, Utica, New York

Date: 7/11/14
Time: 0800
Technician: WT+BH

CRITICAL SYSTEM DEVICE	Device Location	Inspected/Tested (yes/no)	Pass/Fail	Comments/Notes
MCC/MCP Mounted Equipment				
System Disconnect	Adjacent to MCC Door	Y	Pass	
Blower H-O-A Switch	MCC Door	Y	Pass	
Heat Exchanger H-O-A Switch	MCC Door	Y	Pass	
VFD By-Pass Switch	MCC Door	Y	Pass	
UPS Backup Battery	Inside MCP	Y	Pass	
Panel Indicator Lights	MCC Door	Y	Pass	
Process Equipment				
Vacuum Relief Valve (VRV-200)	Pre-Blower	Y	Pass	
Filter Element (F-201)	Pre-Blower	Y	Pass	

Definitions:
AWS = Air/Water Separator
MCC - motor control center
MCP = main control panel
VPGAC = Vapor Phase Granular Activated Carbon
VT = Vacuum Transmitter
FT = Transmitter
LS = Level Sensor
B = Blower
NA = Not Applicable
VRV = Vacuum Relief Valve

Notes:
1. Equipment locations can be found on the process and instrumentation diagram.
* Heat trace is only used during winter months.
**UPS battery backup should be replaced at a minimum, annually or as needed.
***Filter element F-201should be replaced at a minimum, annually or as needed.

Monthly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 8/7/14
Time: 1420
Technician: W. Arrington

SYSTEM STATUS

System operational? *(PLC screen indicating system in "AUTO" or "MANUAL")* Auto
Alarms? (List) none

SYSTEM PARAMETER	ID	Gauge Reading		PID TAG	PLC Reading	
Air/Water Tank Applied Vacuum	VI-201	76	(in. W.C.)	VT-201	-74.2	(in. W.C.)
Post-Blower Temperature	TI-201	202	(°F)	TT-201	200.9	(°F)
Post-Heat Exchanger Temperature	TI-301	78	(°F)	TT-301	82.6	(°F)
Influent Pitot Tube Differential Pressure	FI-301	0.26	(in. W.C.)	FT-301	91	(cfm)
Post-Blower Pressure	PI-201	4	(in. W.C.)	PT-201	~~2.3.8~~ 2.8	(in. W.C.)
Post-Filter Applied Vacuum	VI-202	78	(in. W.C.)			
Pre-VPGAC Pressure	PI-301	0	(in. W.C.)			
Mid-VPGAC Pressure	PI-302	0	(in. W.C.)			

METEOROLOGICAL DATA

Ambient Outdoor Temperature (°F): 73.1
Ambient Indoor Temperature (°F): 76.7
Barometric Pressure (in. Hg):
Barometric Pressure Trend: Rising or falling?

ADDITIONAL DATA

VFD Frequency (Hz): 49.8
Influent Vapor Velocity *(from VI-202 location, 1 fpm = 0.086 cfm)*: 2336 (fpm)
(cfm)
Note position of HX-300 H-O-A switch: Auto
Electrical Meter Reading (KWH): 251059
Surge Protector Operational? (Y/N): Y

SYSTEM WATER/CONDENSATE INSPECTION

Water present in AWS-200 site gauge? (Y/N) No
Note if AWS-200, VPGAC-301, VPGAC-302, or any other normally closed condensate drain component was drained. Estimate quantity: None

VALVE INSPECTION

Note position of BFV-301, 302, and 303: BFV-301 open BFV-302 open BFV-303 closed

Note/confirm butterfly valve configuration as it pertains to order of VPGAC vessels: correct

Are condensate drain valves for AWS-200, VPGAC-301, and VPGAC-302 in closed position? (Y/N) Yes

BASEMENT SUMP INSPECTION

Water present in sumps? (Y/N): How much? (est. in inches) East 1 in West 17.25 in

OTHER NOTES:

Monthly OM&M Checklist
Sub-Slab Depressurization System, Solvent Dock Area,
Former Lockheed Martin French Road Facility, Utica, New York.

Date: 6/7/14
Time: 1420
Technician: W. Arrowsmith

CRITICAL SYSTEM DEVICE	Device Location	Inspected (yes/no)	Comments/Notes
MCC/MCP Mounted Equipment			
Electrical Hazard Signage	Outside/Inside MCP and MCC	Y	
Electric Meter	Adjacent to MCC Door	Y	
Surge Protection Device	Outside MCC	Y	
Field Mounted Equipment			
System Exhaust Vent Screen	Post-VPGAC	Y	
Process Valve Locks/Positions[1]	Skid/Field	Y	
Post Blower Piping Connections	Skid/Field	Y	
Heat Trace[2]	AWS-200/ VPGAC-301/302 Condensate Drains	Y	
Fire Extinguisher	Treatment Building Primary Entry/Exit Doorway	Y	
System Vapor Effluent Stack	Located on north building exterior wall	Y	

Definitions:
AWS = Air/Water Separator
MCC - motor control center
MCP = main control panel
VPGAC = Vapor Phase Granular Activated Carbon
VT = Vacuum Transmitter
FT = Transmitter
LS = Level Sensor
B = Blower
NA = Not Applicable
VRV = Vacuum Relief Valve

Notes:
1. Process valves should be inspected, normal valve operating setting/positions are provided on Table 4.
2. Heat trace is only used during winter months (October-April).

Monthly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 9/3/14
Time: 1200
Technician: BH

SYSTEM STATUS

System operational? *(PLC screen indicating system in "AUTO" or "MANUAL")* Auto

Alarms? (List) None

SYSTEM PARAMETER	ID	Gauge Reading		PID TAG	PLC Reading	
Air/Water Tank Applied Vacuum	VI-201	77	(in. W.C.)	VT-201	-75	(in. W.C.)
Post-Blower Temperature	TI-201	210	(°F)	TT-201	208.8	(°F)
Post-Heat Exchanger Temperature	TI-301	82	(°F)	TT-301	85.2	(°F)
Influent Pitot Tube Differential Pressure	FI-301	0.24	(in. W.C.)	FT-301	86	(cfm)
Post-Blower Pressure	PI-201	4	(in. W.C.)	PT-201	~~208.8~~ 2.7	(in. W.C.)
Post-Filter Applied Vacuum	VI-202	78	(in. W.C.)			
Pre-VPGAC Pressure	PI-301	1	(in. W.C.)			
Mid-VPGAC Pressure	PI-302	1	(in. W.C.)			

METEOROLOGICAL DATA

Ambient Outdoor Temperature (°F): 72
Ambient Indoor Temperature (°F): 70
Barometric Pressure (in. Hg): 30
Barometric Pressure Trend: Rising or falling?

ADDITIONAL DATA

VFD Frequency (Hz): 49.8
Influent Vapor Velocity (*from VI-202 location, 1 fpm = 0.086 cfm)*: 1750 (fpm) / 150.5 (cfm)
Note position of HX-300 H-O-A switch: Auto
Electrical Meter Reading (KWH): 256968
Surge Protector Operational? (Y/N): Yes

SYSTEM WATER/CONDENSATE INSPECTION

Water present in AWS-200 site gauge? (Y/N): NO
Note if AWS-200, VPGAC-301, VPGAC-302, or any other normally closed condensate drain component was drained. Estimate quantity: ~~Drained~~ opened drains for 301 + 302. No drainage observed at MH-2. No drainage observed in manifold tubing.

VALVE INSPECTION

Note position of BFV-301, 302, and 303: BFV-301 open BFV-302 open BFV-303 closed

Note/confirm butterfly valve configuration as it pertains to order of VPGAC vessels: Series 301 → 302

Are condensate drain valves for AWS-200, VPGAC-301, and VPGAC-302 in closed position? (Y/N): Yes

BASEMENT SUMP INSPECTION

Water present in sumps? (Y/N): How much? (est. in " inches): 18" West 1/2" East

OTHER NOTES: "VFD Active" Control panel bulb is out.
↳ Could VFD fault problem be a circuit/relay problem?

Monthly OM&M Checklist
Sub-Slab Depressurization System, Solvent Dock Area,
Former Lockheed Martin French Road Facility, Utica, New York.

Date: 9/3/14
Time: 1200
Technician: BH

CRITICAL SYSTEM DEVICE	Device Location	Inspected (yes/no)	Comments/Notes
MCC/MCP Mounted Equipment			
Electrical Hazard Signage	Outside/Inside MCP and MCC	Yes	
Electric Meter	Adjacent to MCC Door	Yes	
Surge Protection Device	Outside MCC	Yes	
Field Mounted Equipment			
System Exhaust Vent Screen	Post-VPGAC	OK	
Process Valve Locks/Positions[1]	Skid/Field	OK	
Post Blower Piping Connections	Skid/Field	OK	
Heat Trace[2]	AWS-200/ VPGAC-301/302 Condensate Drains	OK	
Fire Extinguisher	Treatment Building Primary Entry/Exit Doorway	✓	
System Vapor Effluent Stack	Located on north building exterior wall	OK	

Definitions:
AWS = Air/Water Separator
MCC - motor control center
MCP = main control panel
VPGAC = Vapor Phase Granular Activated Carbon
VT = Vacuum Transmitter
FT = Transmitter
LS = Level Sensor
B = Blower
NA = Not Applicable
VRV = Vacuum Relief Valve

Notes:
1. Process valves should be inspected, normal valve operating setting/positions are provided on Table 4.
2. Heat trace is only used during winter months (October-April).

Monthly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 10/10/14
Time: 9:00
Technician: WA & LL

SYSTEM STATUS

System operational? *(PLC screen indicating system in "AUTO" or "MANUAL")* AUTO
Alarms? (List) NONE

SYSTEM PARAMETER	ID	Gauge Reading		PID TAG	PLC Reading	
Air/Water Tank Applied Vacuum	VI-201	-77	(in. W.C.)	VT-201	-74.6	(in. W.C.)
Post-Blower Temperature	TI-201	198	(°F)	TT-201	187.2	(°F)
Post-Heat Exchanger Temperature	TI-301	72	(°F)	TT-301	79.5	(°F)
Influent Pitot Tube Differential Pressure	FI-301	0.27	(in. W.C.)	FT-301	94	(cfm)
Post-Blower Pressure	PI-201	4.5	(in. W.C.)	PT-201	3.2	(in. W.C.)
Post-Filter Applied Vacuum	VI-202	-78	(in. W.C.)			
Pre-VPGAC Pressure	PI-301	0.5	(in. W.C.)			
Mid-VPGAC Pressure	PI-302	1.5	(in. W.C.)			

METEOROLOGICAL DATA

Ambient Outdoor Temperature (°F): 45
Ambient Indoor Temperature (°F): 60
Barometric Pressure (in. Hg): 30.1
Barometric Pressure Trend: (Rising or falling?)

ADDITIONAL DATA

VFD Frequency (Hz): 49.8
Influent Vapor Velocity (*from VI-202 location, 1 fpm = 0.086 cfm)*: 1410 (fpm) / 121.3 (cfm)
Note position of HX-300 H-O-A switch: AUTO
Electrical Meter Reading (KWH): 265119
Surge Protector Operational? (Y/N): YES

SYSTEM WATER/CONDENSATE INSPECTION

Water present in AWS-200 site gauge? (Y/N) NO
Note if AWS-200, VPGAC-301, VPGAC-302, or any other normally closed condensate drain component was drained. Estimate quantity: VPGAC-301 & VPGAC302 condensate drain valves opened. NO condensate present.

VALVE INSPECTION

Note position of BFV-301, 302, and 303: BFV-301 OPEN BFV-302 OPEN BFV-303 CLOSED

Note/confirm butterfly valve configuration as it pertains to order of VPGAC vessels: OK configuration

Are condensate drain valves for AWS-200, VPGAC-301, and VPGAC-302 in closed position? (Y/N) Y

BASEMENT SUMP INSPECTION

Water present in sumps? (Y/N): How much? (est. in inches) W sump: 18 inches
E sump: 1/4 in.

OTHER NOTES:

Monthly OM&M Checklist
Sub-Slab Depressurization System, Solvent Dock Area,
Former Lockheed Martin French Road Facility, Utica, New York.

Date: 10/10/14
Time: 9:00
Technician: WA & LL

CRITICAL SYSTEM DEVICE	Device Location	Inspected (yes/no)	Comments/Notes
MCC/MCP Mounted Equipment			
Electrical Hazard Signage	Outside/Inside MCP and MCC	Y	
Electric Meter	Adjacent to MCC Door	Y	
Surge Protection Device	Outside MCC	Y	
Field Mounted Equipment			
System Exhaust Vent Screen	Post-VPGAC	Y	
Process Valve Locks/Positions[1]	Skid/Field	Y	
Post Blower Piping Connections	Skid/Field	Y	
Heat Trace[2]	AWS-200/ VPGAC-301/302 Condensate Drains	Y	
Fire Extinguisher	Treatment Building Primary Entry/Exit Doorway	Y	
System Vapor Effluent Stack	Located on north building exterior wall	Y	

Definitions:
AWS = Air/Water Separator
MCC - motor control center
MCP = main control panel
VPGAC = Vapor Phase Granular Activated Carbon
VT = Vacuum Transmitter
FT = Transmitter
LS = Level Sensor
B = Blower
NA = Not Applicable
VRV = Vacuum Relief Valve

Notes:
1. Process valves should be inspected, normal valve operating setting/positions are provided on Table 4.
2. Heat trace is only used during winter months (October-April).

VFD Fault Codes

newest ↓ oldest

1st: 24
2nd: 24
3rd: 24
4th: 24
5th: 24
} momentary power loss

6th: 15 – ground fault or fuse failure

Monthly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 11/5/14
Time: 1100
Technician: B. Haravitch
L. Lyons

SYSTEM STATUS

System operational? *(PLC screen indicating system in "AUTO" or "MANUAL")* AUTO
Alarms? (List) NONE, N/A

SYSTEM PARAMETER	ID	Gauge Reading		PID TAG	PLC Reading	
Air/Water Tank Applied Vacuum	VI-201	-78	(in. W.C.)	VT-201	-75.2	(in. W.C.)
Post-Blower Temperature	TI-201	188	(°F)	TT-201	187.2	(°F)
Post-Heat Exchanger Temperature	TI-301	93	(°F)	TT-301	70.8	(°F)
Influent Pitot Tube Differential Pressure	FI-301	0.27	(in. W.C.)	FT-301	91	(cfm)
Post-Blower Pressure	PI-201	4	(in. W.C.)	PT-201	3.5	(in. W.C.)
Post-Filter Applied Vacuum	VI-202	-79	(in. W.C.)			
Pre-VPGAC Pressure	PI-301	2	(in. W.C.)			
Mid-VPGAC Pressure	PI-302	2	(in. W.C.)			

METEOROLOGICAL DATA

Ambient Outdoor Temperature (°F): 53
Ambient Indoor Temperature (°F): 60
Barometric Pressure (in. Hg): 30.1
Barometric Pressure Trend: (Rising) or falling?

ADDITIONAL DATA

VFD Frequency (Hz): 49.8
Influent Vapor Velocity (*from VI-202 location, 1 fpm = 0.086 cfm)*: 1500 (fpm) / 129 (cfm)
Note position of HX-300 H-O-A switch: AUTO
Electrical Meter Reading (KWH): 270847
Surge Protector Operational? (Y/N): Y

SYSTEM WATER/CONDENSATE INSPECTION

Water present in AWS-200 site gauge? (Y/N) NONE
Note if AWS-200, VPGAC-301, VPGAC-302, or any other normally closed condensate drain component was drained. Estimate quantity: VPGAC-301 & -302 opened & saw no condensate drain.

VALVE INSPECTION

Note position of BFV-301, 302, and 303: BFV-301 open BFV-302 open BFV-303 closed

Note/confirm butterfly valve configuration as it pertains to order of VPGAC vessels: Good configuration, running in series from VPGAC 301 to VPGAC 302

Are condensate drain valves for AWS-200, VPGAC-301, and VPGAC-302 in closed position? (Y/N) Y

BASEMENT SUMP INSPECTION

Water present in sumps? (Y/N): How much? (est. in inches) W: 17.5" E: dry

OTHER NOTES:

Monthly OM&M Checklist
Sub-Slab Depressurization System, Solvent Dock Area,
Former Lockheed Martin French Road Facility, Utica, New York.

Date: 11/5/14
Time: 1100
Technician: BH & LL

CRITICAL SYSTEM DEVICE	Device Location	Inspected (yes/no)	Comments/Notes
MCC/MCP Mounted Equipment			
Electrical Hazard Signage	Outside/Inside MCP and MCC	Y	
Electric Meter	Adjacent to MCC Door	Y	
Surge Protection Device	Outside MCC	Y	
Field Mounted Equipment			
System Exhaust Vent Screen	Post-VPGAC	Y	
Process Valve Locks/Positions[1]	Skid/Field	Y	
Post Blower Piping Connections	Skid/Field	Y	
Heat Trace[2]	AWS-200/ VPGAC-301/302 Condensate Drains	Y	
Fire Extinguisher	Treatment Building Primary Entry/Exit Doorway	Y	
System Vapor Effluent Stack	Located on north building exterior wall	Y	

Definitions:
AWS = Air/Water Separator
MCC - motor control center
MCP = main control panel
VPGAC = Vapor Phase Granular Activated Carbon
VT = Vacuum Transmitter
FT = Transmitter
LS = Level Sensor
B = Blower
NA = Not Applicable
VRV = Vacuum Relief Valve

Notes:
1. Process valves should be inspected, normal valve operating setting/positions are provided on Table 4.
2. Heat trace is only used during winter months (October-April).

Monthly OM&M Log Sheet, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 12/3/14
Time: 1630
Technician: BH

SYSTEM STATUS

System operational? *(PLC screen indicating system in "AUTO" or "MANUAL")* Auto

Alarms? (List) None

SYSTEM PARAMETER	ID	Gauge Reading		PID TAG	PLC Reading	
Air/Water Tank Applied Vacuum	VI-201	-80	(in. W.C.)	VT-201	-76.7	(in. W.C.)
Post-Blower Temperature	TI-201	180	(°F)	TT-201	179.2	(°F)
Post-Heat Exchanger Temperature	TI-301	80	(°F)	TT-301	82.2	(°F)
Influent Pitot Tube Differential Pressure	FI-301	0.24	(in. W.C.)	FT-301	82	(cfm)
Post-Blower Pressure	PI-201	4	(in. W.C.)	PT-201	5.2	(in. W.C.)
Post-Filter Applied Vacuum	VI-202	-80	(in. W.C.)			
Pre-VPGAC Pressure	PI-301	0.5	(in. W.C.)			
Mid-VPGAC Pressure	PI-302	0.5	(in. W.C.)			

METEOROLOGICAL DATA

Ambient Outdoor Temperature (°F): 39
Ambient Indoor Temperature (°F): 49.4
Barometric Pressure (in. Hg): 29.94
Barometric Pressure Trend: Rising or falling?

ADDITIONAL DATA

VFD Frequency (Hz): 49.8
Influent Vapor Velocity (*from VI-202 location, 1 fpm = 0.086 cfm)*: 1375 (fpm) / 118.25 (cfm)
Note position of HX-300 H-O-A switch: Auto
Electrical Meter Reading (KWH): 277129
Surge Protector Operational? (Y/N): Yes

SYSTEM WATER/CONDENSATE INSPECTION

Water present in AWS-200 site gauge? (Y/N): NO
Note if AWS-200, VPGAC-301, VPGAC-302, or any other normally closed condensate drain component was drained. Estimate quantity: VPGAC-301 + 302 were drained. Unknown quantity less than 1/2 gal. Confirmed brass fitting at base of air piping drain is clear of debris.

VALVE INSPECTION

Note position of BFV-301, 302, and 303: BFV-301 open; BFV-302 open; BFV-303 closed

Note/confirm butterfly valve configuration as it pertains to order of VPGAC vessels: configured in series from 301 → 302

Are condensate drain valves for AWS-200, VPGAC-301, and VPGAC-302 in closed position? (Y/N): Yes

BASEMENT SUMP INSPECTION

Water present in sumps? (Y/N): How much? (est. in inches)

West	East
16"	Dry

OTHER NOTES:

Monthly OM&M Checklist
Sub-Slab Depressurization System, Solvent Dock Area,
Former Lockheed Martin French Road Facility, Utica, New York.

Date: 12/3/14
Time: 1630
Technician: BH

CRITICAL SYSTEM DEVICE	Device Location	Inspected (yes/no)	Comments/Notes
MCC/MCP Mounted Equipment			
Electrical Hazard Signage	Outside/Inside MCP and MCC	Y	
Electric Meter	Adjacent to MCC Door	Y	
Surge Protection Device	Outside MCC	Y	
Field Mounted Equipment			
System Exhaust Vent Screen	Post-VPGAC	Y	
Process Valve Locks/Positions[1]	Skid/Field	Y	
Post Blower Piping Connections	Skid/Field	Y	
Heat Trace[2]	AWS-200/ VPGAC-301/302 Condensate Drains	Y	
Fire Extinguisher	Treatment Building Primary Entry/Exit Doorway	Y	
System Vapor Effluent Stack	Located on north building exterior wall	Y	

Definitions:
AWS = Air/Water Separator
MCC - motor control center
MCP = main control panel
VPGAC = Vapor Phase Granular Activated Carbon
VT = Vacuum Transmitter
FT = Transmitter
LS = Level Sensor
B = Blower
NA = Not Applicable
VRV = Vacuum Relief Valve

Notes:
1. Process valves should be inspected, normal valve operating setting/positions are provided on Table 4.
2. Heat trace is only used during winter months (October-April).

Appendix C

Alarm Response Log Sheets

Fatal Alarms

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 2/10/2014
Time: 12:00
Technician: CMD

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 2/3/2014 Time: 21:51

Alarm Condition:

Process 23 (Fatal) - High post-blower pressure (greater than 15 in.W.C. for 3 seconds)

Cause of Alarm:

Accumulation of condensate within VPGAC manifold and treatment vessels.

Corrective Action:

CMD arrived onsite on 2/4/14 at approximately 10:00. The blower was temporarily restarted to assess the cause of the high post-blower pressure. The vast majority of the pressure drop through the system was observed to occur through the VPGAC vessels. Inspection of the condensate drain located at the bottom of the VPGAC manifold indicated that condensate had built up and was not draining properly, potentially due to the brass ball valve freezing (condensate inside return tubing was not frozen). Additionally, the natural traps located on the manifold (due to butterfly valves being closed on vertical rungs) were also in need of draining. ARCADIS drained a significant volume of condensate from the VPGAC vessels, the VPGAC manifold (including manipulating valves to allow draining from natural traps), the air/water separator, the heat exchanger effluent trap, and the heat exchanger bypass line. All water was either gravity drained into or manually collected/poured into nearby manhole MH-2. The system was restarted after roughly ~30 minutes of allowing the VPGAC vessels to drain. System parameters following restarting of the system were within normal ranges.

A review of pressure transmitter PT-201's values leading up to the Process 23 alarm indicate that the pressure began to gradually increase from the normal operating range (i.e., 3-5 in.W.C.) beginning at around 0:00 on 2/3/14 to the alarm setpoint (15 in.W.C.) at 21:51.

It should noted that the bottom portion of the manifold was drained on 1/7/2014 while responding to the AWS high level alarm condition. However, the top portion of the manifold may have contained some volume of condensate. As such, ARCADIS recommends that condensate draining activities include the manual adjustment of butterfly valves to allow for collection of condensate that accumulates in low spots within the manifold that are not regularly drainable due to valve configurations.

Further corrective actions may include insultating the VPGAC vessels, and/or piping to reduce the generation of condensation.

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 3/5/2014
Time: 1300
Technician: WA/BH

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 03/01/14 Time: 0924

Alarm Condition:

Process 21: VFD Fault

Cause of Alarm:

Rich Ferrialoa of Conmed indicated to Stantec that their facility experienced a power surge due to a faulty boiler on the night of 3/1, at about the time the SSDS system shut down. It is assumed this surge caused the SSDS VFD fault.

Corrective Action:

Stantec was able to restart the system remotely at 2315. The system appeared normal and no further action was taken.

Mahoney, Robert

From: The LMC SUBSLAB SYSTEM 2 system {#8951} in CONMED UTICA NY <procontrol@eosresearch.com> <procontrol@eosresearch.com>
Sent: Saturday, March 01, 2014 9:24 PM
To: Nielsen, Peter; Armington, William; Mahoney, Robert; Haravitch, Ben; ZigmontJH@cdmsmith.com
Subject: ProControl ALARM Report

ProControl Series 2plus ALARM Report

Email generated from WAN IP address: 166.249.2.237
Both HTML and plain text reports are attached. Enable plain text alternative mode to view only text.

ALARM generated at 21:24:10 on 03/01/2014
ALARM was triggered by PROCESS 21. Process specific message follows:

This system uses ROM version 2.218 and is a MODEL A1.
The system is currently in MANUAL mode.
This system last shut down at 21:24:10 on 03/01/2014 and the cause was VFDRUN.

DISCRETE INPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VFDRUN	OFF	VFDCTR	OFF	BYPSEL	OFF	BYPCTR	OFF
HTXCTR	OFF	BLRAUT	ON	BLRHND	OFF	AWS_HH	OFF
AWS_HI	ON	ACFAIL	OFF	WFS201	OFF	LAMP	OFF
THERML	OFF						

DISCRETE OUTPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VF_CTR	OFF	BY_CTR	OFF	HX_CTR	OFF	BLOALM	ON
HTXALM	OFF	VA_201	OFF	TMPALM	OFF	PA_201	OFF
FA_301	OFF	HI_AWS	ON	HH_AWS	OFF	BLOLIT	OFF
HXLITE	OFF	VNTFAN	OFF	VFDRUN	OFF	VFDRST	OFF
BYLITE	OFF	VFLITE	OFF	FLRWET	OFF		

ANALOG INPUT STATUS:

Tagname	*Value*	*Units*	*Totalizer*	*Total Units*	*Alarm Setpoints*			
					Low	*High*	*Low-Low*	*High-High*
VT_201	-3.0	IWC			-90.0	-30.0	0.0	0.0
FT_301	0	CFM			5	200	0	600
PT_201	0.3	IWC			0.5	15.0	0.0	30.0
TT_201	147.8	DEG			40.0	225.0	0.0	225.0
TT_301	72.9	DEG			80.0	100.0	35.0	115.0

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 3/7/2014
Time: 0900
Technician: B. Haravitch

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 3/6/14 Time: 1432

Alarm Condition:

Process 23 - Post Blower High Pressure (Fatal)

Cause of Alarm:

Pressure had been rising over the last 24 hrs. Alarm was tripped at 1432 hours. Could not resolve the issue or restart the sytem remotely

Corrective Action:

Traveled to site (arrived 1830). Manifold condensate drainage tubing recently installed had become plugged with sediment (partial freezing may also have occurred) at the brass fitting location. Blockage was cleared and approx. 8 gal. of condensate was drained. System was restarted and pressure and readings were back to normal ranges, and remained at normal levels at the time of this morning's fax report.

Mahoney, Robert

From: The LMC SUBSLAB SYSTEM 2 system {#8951} in CONMED UTICA NY <procontrol@eosresearch.com> <procontrol@eosresearch.com>
Sent: Thursday, March 06, 2014 2:32 PM
To: Nielsen, Peter; Armington, William; Mahoney, Robert; Haravitch, Ben; ZigmontJH@cdmsmith.com
Subject: ProControl ALARM Report

ProControl Series 2plus ALARM Report

Email generated from WAN IP address: 166.249.2.237
Both HTML and plain text reports are attached. Enable plain text alternative mode to view only text.

ALARM generated at 14:32:21 on 03/06/2014
ALARM was triggered by PROCESS 23. Process specific message follows:

This system uses ROM version 2.218 and is a MODEL A1.
The system is currently in MANUAL mode.
This system last shut down at 14:32:22 on 03/06/2014 and the cause was PT_201.

DISCRETE INPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VFDRUN	ON	VFDCTR	OFF	BYPSEL	OFF	BYPCTR	OFF
HTXCTR	OFF	BLRAUT	ON	BLRHND	OFF	AWS_HH	OFF
AWS_HI	OFF	ACFAIL	OFF	WFS201	OFF	LAMP	OFF
THERML	OFF						

DISCRETE OUTPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VF_CTR	OFF	BY_CTR	OFF	HX_CTR	OFF	BLOALM	OFF
HTXALM	OFF	VA_201	OFF	TMPALM	OFF	PA_201	ON
FA_301	OFF	HI_AWS	OFF	HH_AWS	OFF	BLOLIT	OFF
HXLITE	OFF	VNTFAN	OFF	VFDRUN	OFF	VFDRST	OFF
BYLITE	OFF	VFLITE	OFF	FLRWET	OFF		

ANALOG INPUT STATUS:

Tagname	*Value*	*Units*	*Totalizer*	*Total Units*	*Alarm Setpoints*			
					Low	*High*	*Low-Low*	*High-High*
VT_201	-4.1	IWC			-90.0	-30.0	0.0	0.0
FT_301	0	CFM			5	200	0	600
PT_201	0.3	IWC			0.5	15.0	0.0	30.0
TT_201	147.9	DEG			40.0	225.0	0.0	225.0
TT_301	82.1	DEG			80.0	100.0	35.0	115.0

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 4/28/2014
Time: 0924
Technician: Will Armington

(revised 5/16/14)

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 4/25/14 Time: 15:06
Date: 4/27/14 Time: 00:04

Alarm Condition:

Process 21 - VFD Fault (Fatal)

Cause of Alarm:

Root cause of alarm currently unknown. Stantec plans to assess causes of alarms via the VFD output control interface while onsite for the May monthly O&M visit. PLC-logged data indicated these interruptions were "Code 24 - Momentary Power Loss." Stantec contacted ConMed and inquired about possible power losses during this time period; however they indicated they had no records or knowledge of any power issues.

Corrective Action:

Stantec was able to restart the system remotely at 15:20 on 4/25 and at 10:00 on 4/27. The system appeared normal after both restarts and no further action was taken.

Mahoney, Robert

From: The LMC SUBSLAB SYSTEM 2 system {#8951} in CONMED UTICA NY <procontrol@eosresearch.com> <procontrol@eosresearch.com>
Sent: Friday, April 25, 2014 3:07 PM
To: Nielsen, Peter; Armington, William; Mahoney, Robert; Haravitch, Ben; ZigmontJH@cdmsmith.com
Subject: ProControl ALARM Report

ProControl Series 2plus ALARM Report

Email generated from WAN IP address: 166.249.2.237
Both HTML and plain text reports are attached. Enable plain text alternative mode to view only text.

ALARM generated at 15:06:42 on 04/25/2014
ALARM was triggered by PROCESS 21. Process specific message follows:

This system uses ROM version 2.218 and is a MODEL A1.
The system is currently in MANUAL mode.
This system last shut down at 15:06:42 on 04/25/2014 and the cause was VFDRUN.

DISCRETE INPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VFDRUN	OFF	VFDCTR	OFF	BYPSEL	OFF	BYPCTR	OFF
HTXCTR	OFF	BLRAUT	ON	BLRHND	OFF	AWS_HH	OFF
AWS_HI	OFF	ACFAIL	OFF	WFS201	OFF	LAMP	OFF
THERML	OFF						

DISCRETE OUTPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VF_CTR	OFF	BY_CTR	OFF	HX_CTR	OFF	BLOALM	ON
HTXALM	OFF	VA_201	OFF	TMPALM	OFF	PA_201	OFF
FA_301	OFF	HI_AWS	OFF	HH_AWS	OFF	BLOLIT	OFF
HXLITE	OFF	VNTFAN	OFF	VFDRUN	OFF	VFDRST	OFF
BYLITE	OFF	VFLITE	OFF	FLRWET	OFF		

ANALOG INPUT STATUS:

Tagname	*Value*	*Units*	*Totalizer*	*Total Units*	*Alarm Setpoints*			
					Low	*High*	*Low-Low*	*High-High*
VT_201	-3.2	IWC			-90.0	-30.0	0.0	0.0
FT_301	0	CFM			5	200	0	600
PT_201	0.0	IWC			0.5	30.0	0.0	30.0
TT_201	170.6	DEG			40.0	225.0	0.0	225.0
TT_301	95.1	DEG			80.0	100.0	35.0	115.0

Mahoney, Robert

From: The LMC SUBSLAB SYSTEM 2 system {#8951} in CONMED UTICA NY <procontrol@eosresearch.com> <procontrol@eosresearch.com>
Sent: Sunday, April 27, 2014 12:04 AM
To: Nielsen, Peter; Armington, William; Mahoney, Robert; Haravitch, Ben; ZigmontJH@cdmsmith.com
Subject: ProControl ALARM Report

ProControl Series 2plus ALARM Report

Email generated from WAN IP address: 166.249.2.237
Both HTML and plain text reports are attached. Enable plain text alternative mode to view only text.

ALARM generated at 00:04:13 on 04/27/2014
ALARM was triggered by PROCESS 21. Process specific message follows:

This system uses ROM version 2.218 and is a MODEL A1.
The system is currently in MANUAL mode.
This system last shut down at 00:04:13 on 04/27/2014 and the cause was VFDRUN.

DISCRETE INPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VFDRUN	OFF	VFDCTR	OFF	BYPSEL	OFF	BYPCTR	OFF
HTXCTR	OFF	BLRAUT	ON	BLRHND	OFF	AWS_HH	OFF
AWS_HI	OFF	ACFAIL	OFF	WFS201	OFF	LAMP	OFF
THERML	OFF						

DISCRETE OUTPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VF_CTR	OFF	BY_CTR	OFF	HX_CTR	OFF	BLOALM	ON
HTXALM	OFF	VA_201	OFF	TMPALM	OFF	PA_201	OFF
FA_301	OFF	HI_AWS	OFF	HH_AWS	OFF	BLOLIT	OFF
HXLITE	OFF	VNTFAN	OFF	VFDRUN	OFF	VFDRST	OFF
BYLITE	OFF	VFLITE	OFF	FLRWET	OFF		

ANALOG INPUT STATUS:

Tagname	*Value*	*Units*	*Totalizer*	*Total Units*	*Alarm Setpoints*			
					Low	*High*	*Low-Low*	*High-High*
VT_201	-3.2	IWC			-90.0	-30.0	0.0	0.0
FT_301	0	CFM			5	200	0	600
PT_201	0.0	IWC			0.5	30.0	0.0	30.0
TT_201	169.2	DEG			40.0	225.0	0.0	225.0
TT_301	93.0	DEG			80.0	100.0	35.0	115.0

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 5/2/2014
Time: 09:00
Technician: Will Armington

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 5/1/14 Time: 20:57

Alarm Condition:

Process 21 - VFD Fault (Fatal)

Cause of Alarm:

Root cause of alarm currently unknown. Stantec plans to assess causes of alarms via the VFD output control interface while onsite for the May monthly O&M visit. Alarm Log will be updated when cause is ascertained.

Corrective Action:

Stantec was able to restart the system remotely at 07:49 on 5/2. The system appeared normal after restart and no further action was taken.

Mahoney, Robert

From: The LMC SUBSLAB SYSTEM 2 system {#8951} in CONMED UTICA NY <procontrol@eosresearch.com> <procontrol@eosresearch.com>
Sent: Thursday, May 01, 2014 8:57 PM
To: Nielsen, Peter; Armington, William; Mahoney, Robert; Haravitch, Ben; ZigmontJH@cdmsmith.com
Subject: ProControl ALARM Report

ProControl Series 2plus ALARM Report

Email generated from WAN IP address: 166.249.2.237
Both HTML and plain text reports are attached. Enable plain text alternative mode to view only text.

ALARM generated at 20:57:29 on 05/01/2014
ALARM was triggered by PROCESS 21. Process specific message follows:

This system uses ROM version 2.218 and is a MODEL A1.
The system is currently in MANUAL mode.
This system last shut down at 20:57:30 on 05/01/2014 and the cause was VFDRUN.

DISCRETE INPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VFDRUN	OFF	VFDCTR	OFF	BYPSEL	OFF	BYPCTR	OFF
HTXCTR	OFF	BLRAUT	ON	BLRHND	OFF	AWS_HH	OFF
AWS_HI	OFF	ACFAIL	OFF	WFS201	OFF	LAMP	OFF
THERML	OFF						

DISCRETE OUTPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VF_CTR	OFF	BY_CTR	OFF	HX_CTR	OFF	BLOALM	ON
HTXALM	OFF	VA_201	OFF	TMPALM	OFF	PA_201	OFF
FA_301	OFF	HI_AWS	OFF	HH_AWS	OFF	BLOLIT	OFF
HXLITE	OFF	VNTFAN	OFF	VFDRUN	OFF	VFDRST	OFF
BYLITE	OFF	VFLITE	OFF	FLRWET	OFF		

ANALOG INPUT STATUS:

Tagname	*Value*	*Units*	*Totalizer*	*Total Units*	*Alarm Setpoints*			
					Low	*High*	*Low-Low*	*High-High*
VT_201	-3.4	IWC			-90.0	-30.0	0.0	0.0
FT_301	0	CFM			5	200	0	600
PT_201	0.0	IWC			0.5	30.0	0.0	30.0
TT_201	170.6	DEG			40.0	225.0	0.0	225.0
TT_301	75.2	DEG			80.0	100.0	35.0	115.0

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 6/16/2014
Time: 1145
Technician: Ben Haravitch

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 6/16/14 Time: 0822

Alarm Condition:

Process 21: VFD Fault

Cause of Alarm:

Cause of alarm is currently unknown. Stantec is investigating the power connection to the VFD control unit.

Corrective Action:

Stantec was able to restart the system remotely at 0840, 6/16. The system appeared normal and no further action was taken.

Mahoney, Robert

From: The LMC SUBSLAB SYSTEM 2 system {#8951} in CONMED UTICA NY <procontrol@eosresearch.com> <procontrol@eosresearch.com>
Sent: Monday, June 16, 2014 8:23 AM
To: Nielsen, Peter; Armington, William; Mahoney, Robert; Haravitch, Ben; ZigmontJH@cdmsmith.com
Subject: ProControl ALARM Report

ProControl Series 2plus ALARM Report

Email generated from WAN IP address: 166.161.76.253
Both HTML and plain text reports are attached. Enable plain text alternative mode to view only text.

ALARM generated at 08:22:53 on 06/16/2014
ALARM was triggered by PROCESS 21. Process specific message follows:

This system uses ROM version 2.218 and is a MODEL A1.
The system is currently in MANUAL mode.
This system last shut down at 08:22:54 on 06/16/2014 and the cause was VFDRUN.

DISCRETE INPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VFDRUN	OFF	VFDCTR	OFF	BYPSEL	OFF	BYPCTR	OFF
HTXCTR	OFF	BLRAUT	ON	BLRHND	OFF	AWS_HH	OFF
AWS_HI	OFF	ACFAIL	OFF	WFS201	OFF	LAMP	OFF
THERML	OFF						

DISCRETE OUTPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VF_CTR	OFF	BY_CTR	OFF	HX_CTR	OFF	BLOALM	ON
HTXALM	OFF	VA_201	OFF	TMPALM	OFF	PA_201	OFF
FA_301	OFF	HI_AWS	OFF	HH_AWS	OFF	BLOLIT	OFF
HXLITE	OFF	VNTFAN	OFF	VFDRUN	OFF	VFDRST	OFF
BYLITE	OFF	VFLITE	OFF	FLRWET	OFF		

ANALOG INPUT STATUS:

Tagname	*Value*	*Units*	*Totalizer*	*Total Units*	*Alarm Setpoints*			
					Low	*High*	*Low-Low*	*High-High*
VT_201	-3.1	IWC			-90.0	-30.0	0.0	0.0
FT_301	1	CFM			5	200	0	600
PT_201	0.0	IWC			0.5	30.0	0.0	30.0
TT_201	173.7	DEG			40.0	225.0	0.0	225.0
TT_301	95.1	DEG			80.0	100.0	35.0	115.0

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 6/23/2014
Time: 0930
Technician: Will Armington

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 6/21/14 Time: 1030

Alarm Condition:

Time of alarm: 0645

Process 21: VFD Fault

Cause of Alarm:

Cause of the alarm is currently unknown. Stantec is investigating the power connection to the VFD control unit.

Corrective Action:

Stantec was able to restart the system remotely at 1030, 6/21/2014. The system appeared normal and no further action was taken.

Mahoney, Robert

From: The LMC SUBSLAB SYSTEM 2 system {#8951} in CONMED UTICA NY <procontrol@eosresearch.com> <procontrol@eosresearch.com>
Sent: Saturday, June 21, 2014 6:45 AM
To: Nielsen, Peter; Armington, William; Mahoney, Robert; Haravitch, Ben; ZigmontJH@cdmsmith.com
Subject: ProControl ALARM Report

ProControl Series 2plus ALARM Report

Email generated from WAN IP address: 166.161.76.253
Both HTML and plain text reports are attached. Enable plain text alternative mode to view only text.

ALARM generated at 06:45:13 on 06/21/2014
ALARM was triggered by PROCESS 21. Process specific message follows:

This system uses ROM version 2.218 and is a MODEL A1.
The system is currently in MANUAL mode.
This system last shut down at 06:45:13 on 06/21/2014 and the cause was VFDRUN.

DISCRETE INPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VFDRUN	OFF	VFDCTR	OFF	BYPSEL	OFF	BYPCTR	OFF
HTXCTR	OFF	BLRAUT	ON	BLRHND	OFF	AWS_HH	OFF
AWS_HI	OFF	ACFAIL	OFF	WFS201	OFF	LAMP	OFF
THERML	OFF						

DISCRETE OUTPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VF_CTR	OFF	BY_CTR	OFF	HX_CTR	OFF	BLOALM	ON
HTXALM	OFF	VA_201	OFF	TMPALM	OFF	PA_201	OFF
FA_301	OFF	HI_AWS	OFF	HH_AWS	OFF	BLOLIT	OFF
HXLITE	OFF	VNTFAN	OFF	VFDRUN	OFF	VFDRST	OFF
BYLITE	OFF	VFLITE	OFF	FLRWET	OFF		

ANALOG INPUT STATUS:

Tagname	*Value*	*Units*	*Totalizer*	*Total Units*	*Alarm Setpoints*			
					Low	*High*	*Low-Low*	*High-High*
VT_201	-3.1	IWC			-90.0	-30.0	0.0	0.0
FT_301	1	CFM			5	200	0	600
PT_201	0.0	IWC			0.5	30.0	0.0	30.0
TT_201	175.4	DEG			40.0	225.0	0.0	225.0
TT_301	94.7	DEG			80.0	100.0	35.0	115.0

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Alarm Date:	7/1/2014
Alarm Time:	18:02:13
Technician:	WA

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 7/3/14 Time: 1200

Alarm Condition:

ACFAIL alarm (Fatal) - Generated at 18:02:13 on 7/1/2014.

Cause of Alarm:

Ccause of alarm is unknown at this time. No information on the definition of ACFAIL can be found in the latest OM&M manual. ACFail is presumed to refer to loss of AC Power. Stantec contacted EOS Research about the issue and EOS speculated that ACFAIL alarm was tripped due to momentary loss of power.

Corrective Action:

The system was restarted remotely at 18:50 on 7/1/2014 and operation apeared normal.

Note that the same alarm occurred again approximately 1.25 hours after the restart (see separate alarm log).

Mahoney, Robert

From: The LMC SUBSLAB SYSTEM 2 system {#8951} in CONMED UTICA NY <procontrol@eosresearch.com> <procontrol@eosresearch.com>
Sent: Tuesday, July 01, 2014 6:02 PM
To: Nielsen, Peter; Armington, William; Mahoney, Robert; Haravitch, Ben; ZigmontJH@cdmsmith.com
Subject: ProControl ALARM Report

ProControl Series 2plus ALARM Report

Both HTML and plain text reports are attached. Enable plain text alternative mode to view only text.

ALARM generated at 18:02:13 on 07/01/2014
ALARM was triggered by ACFAIL. Process specific message follows:

This system uses ROM version 2.218 and is a MODEL A1.
The system is currently in MANUAL mode.
This system last shut down at 18:02:13 on 07/01/2014 and the cause was ACFAIL.

DISCRETE INPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VFDRUN	OFF	VFDCTR	OFF	BYPSEL	OFF	BYPCTR	OFF
HTXCTR	OFF	BLRAUT	ON	BLRHND	OFF	AWS_HH	OFF
AWS_HI	OFF	ACFAIL	OFF	WFS201	OFF	LAMP	OFF
THERML	OFF						

DISCRETE OUTPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VF_CTR	OFF	BY_CTR	OFF	HX_CTR	OFF	BLOALM	OFF
HTXALM	OFF	VA_201	OFF	TMPALM	OFF	PA_201	OFF
FA_301	OFF	HI_AWS	OFF	HH_AWS	OFF	BLOLIT	OFF
HXLITE	OFF	VNTFAN	OFF	VFDRUN	OFF	VFDRST	OFF
BYLITE	OFF	VFLITE	OFF	FLRWET	OFF		

ANALOG INPUT STATUS:

Tagname	*Value*	*Units*	*Totalizer*	*Total Units*	*Alarm Setpoints*			
					Low	*High*	*Low-Low*	*High-High*
VT_201	-3.5	IWC			-90.0	-30.0	0.0	0.0
FT_301	5	CFM			5	200	0	600
PT_201	0.0	IWC			0.5	30.0	0.0	30.0
TT_201	185.0	DEG			40.0	225.0	0.0	225.0
TT_301	84.5	DEG			80.0	100.0	35.0	115.0

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Alarm Date:	7/1/2014
Alarm Time:	20:06:14
Technician:	WA

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 7/3/14 Time: 1200

Alarm Condition:

ACFAIL alarm (Fatal) - Generated at 20:06:14 on 7/1/2014.

Cause of Alarm:

Ccause of alarm is unknown at this time. No information on the definition of ACFAIL can be found in the latest OM&M manual. ACFail is presumed to refer to loss of AC Power. Stantec contacted EOS Research about the issue and EOS speculated that ACFAIL alarm was tripped due to momentary loss of power.

Corrective Action:

The system was restart remotely at 21:40 on 7/1/2014 and operation appeared normal.

Note that the same alarm occurred approximately 2 hours earlier (see separate alarm log).

Mahoney, Robert

From: The LMC SUBSLAB SYSTEM 2 system {#8951} in CONMED UTICA NY <procontrol@eosresearch.com> <procontrol@eosresearch.com>
Sent: Tuesday, July 01, 2014 8:06 PM
To: Nielsen, Peter; Armington, William; Mahoney, Robert; Haravitch, Ben; ZigmontJH@cdmsmith.com
Subject: ProControl ALARM Report

ProControl Series 2plus ALARM Report

Email generated from WAN IP address: 166.161.76.253
Both HTML and plain text reports are attached. Enable plain text alternative mode to view only text.

ALARM generated at 20:06:14 on 07/01/2014
ALARM was triggered by ACFAIL. Process specific message follows:

This system uses ROM version 2.218 and is a MODEL A1.
The system is currently in MANUAL mode.
This system last shut down at 20:06:14 on 07/01/2014 and the cause was ACFAIL.

DISCRETE INPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VFDRUN	OFF	VFDCTR	OFF	BYPSEL	OFF	BYPCTR	OFF
HTXCTR	OFF	BLRAUT	ON	BLRHND	OFF	AWS_HH	OFF
AWS_HI	OFF	ACFAIL	ON	WFS201	OFF	LAMP	OFF
THERML	ON						

DISCRETE OUTPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VF_CTR	OFF	BY_CTR	OFF	HX_CTR	OFF	BLOALM	OFF
HTXALM	OFF	VA_201	OFF	TMPALM	OFF	PA_201	OFF
FA_301	OFF	HI_AWS	OFF	HH_AWS	OFF	BLOLIT	OFF
HXLITE	OFF	VNTFAN	OFF	VFDRUN	OFF	VFDRST	OFF
BYLITE	OFF	VFLITE	OFF	FLRWET	OFF		

ANALOG INPUT STATUS:

Tagname	*Value*	*Units*	*Totalizer*	*Total Units*	*Alarm Setpoints*			
					Low	*High*	*Low-Low*	*High-High*
VT_201	-4.1	IWC			-90.0	-30.0	0.0	0.0
FT_301	4	CFM			5	200	0	600
PT_201	0.0	IWC			0.5	30.0	0.0	30.0
TT_201	189.3	DEG			40.0	225.0	0.0	225.0
TT_301	80.9	DEG			80.0	100.0	35.0	115.0

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 8/18/2014
Time: 0402
Technician: R. Mahoney/pn

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 8/18/14 Time: 0737

Alarm Condition:

Time of Alarm : 0402 ; Process 21 : VFD Fault

Cause of Alarm:

Cause of Alarm unknown, however similar to previous events - likely momentary power loss/surge

VFD alarm log will be reviewed during next OMM visit.

Corrective Action:

Stantec was able to log in and restart the system remotely at 0730, 8/18/2014. System restored to normal operating condition.

Nielsen, Peter

From: Mahoney, Robert
Sent: Monday, August 18, 2014 7:37 AM
To: Nielsen, Peter
Cc: Armington, William; Haravitch, Ben
Subject: Re: ProControl ALARM Report

I cleared the alarm and restarted the system.....seems to be running normal at the moment . I'll keep an eye on it.

Sent from my iPhone

On Aug 18, 2014, at 4:02 AM, "The LMC SUBSLAB SYSTEM 2 system {#8951} in CONMED UTICA NY <procontrol@eosresearch.com>" <procontrol@eosresearch.com> wrote:

ProControl Series 2plus ALARM Report

Email generated from WAN IP address: 166.161.76.253
Both HTML and plain text reports are attached. Enable plain text alternative mode to view only text.

ALARM generated at 04:02:00 on 08/18/2014
ALARM was triggered by PROCESS 21. Process specific message follows:

This system uses ROM version 2.218 and is a MODEL A1.
The system is currently in MANUAL mode.
This system last shut down at 03:55:35 on 08/18/2014 and the cause was VFDRUN.

DISCRETE INPUT STATUS:							
Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VFDRUN	OFF	VFDCTR	OFF	BYPSEL	OFF	BYPCTR	OFF
HTXCTR	OFF	BLRAUT	ON	BLRHND	OFF	AWS_HH	OFF
AWS_HI	OFF	ACFAIL	OFF	WFS201	OFF	LAMP	OFF
THERML	OFF						

DISCRETE OUTPUT STATUS:							
Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VF_CTR	OFF	BY_CTR	OFF	HX_CTR	OFF	BLOALM	ON
HTXALM	OFF	VA_201	OFF	TMPALM	OFF	PA_201	OFF

FA_301	OFF	HI_AWS	OFF	HH_AWS	OFF	BLOLIT	OFF
HXLITE	OFF	VNTFAN	OFF	VFDRUN	OFF	VFDRST	OFF
BYLITE	OFF	VFLITE	OFF	FLRWET	OFF		

ANALOG INPUT STATUS:								
Tagname	***Value***	***Units***	***Totalizer***	***Total Units***	***Alarm Setpoints***			
					Low	***High***	***Low-Low***	***High-High***
VT_201	-3.0	IWC			-90.0	-30.0	0.0	0.0
FT_301	1	CFM			5	200	0	600
PT_201	0.0	IWC			0.5	30.0	0.0	30.0
TT_201	154.1	DEG			40.0	225.0	0.0	225.0
TT_301	84.9	DEG			80.0	100.0	35.0	115.0

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Alarm Date:	9/3/2014
Alarm Time:	01:18:57
Technician:	Ben Haravitch

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 9/15/14 Time: 1630

Alarm Condition:

Time of alarm: 0118; Process 21: VFD Fault

Cause of Alarm:

Cause of alarm is unknown, however similar to previous events - likely momentary power loss/surge.

Corrective Action:

Stantec was on site the day of the alarm and restarted the system manually at 0715, 9/3/14. System returned to normal operating conditions.

VFD circuitry will be investigated during next monthly visit.

Mahoney, Robert

From: The LMC SUBSLAB SYSTEM 2 system {#8951} in CONMED UTICA NY <procontrol@eosresearch.com> <procontrol@eosresearch.com>
Sent: Wednesday, September 03, 2014 1:19 AM
To: Nielsen, Peter; Armington, William; Mahoney, Robert; Haravitch, Ben; ZigmontJH@cdmsmith.com
Subject: ProControl ALARM Report

ProControl Series 2plus ALARM Report

Email generated from WAN IP address: 166.161.76.253
Both HTML and plain text reports are attached. Enable plain text alternative mode to view only text.

ALARM generated at 01:18:57 on 09/03/2014
ALARM was triggered by PROCESS 21. Process specific message follows:

This system uses ROM version 2.218 and is a MODEL A1.
The system is currently in MANUAL mode.
This system last shut down at 01:18:58 on 09/03/2014 and the cause was VFDRUN.

DISCRETE INPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VFDRUN	OFF	VFDCTR	OFF	BYPSEL	OFF	BYPCTR	OFF
HTXCTR	OFF	BLRAUT	ON	BLRHND	OFF	AWS_HH	OFF
AWS_HI	OFF	ACFAIL	OFF	WFS201	OFF	LAMP	OFF
THERML	OFF						

DISCRETE OUTPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VF_CTR	OFF	BY_CTR	OFF	HX_CTR	OFF	BLOALM	ON
HTXALM	OFF	VA_201	OFF	TMPALM	OFF	PA_201	OFF
FA_301	OFF	HI_AWS	OFF	HH_AWS	OFF	BLOLIT	OFF
HXLITE	OFF	VNTFAN	OFF	VFDRUN	OFF	VFDRST	OFF
BYLITE	OFF	VFLITE	OFF	FLRWET	OFF		

ANALOG INPUT STATUS:

Tagname	*Value*	*Units*	*Totalizer*	*Total Units*	*Alarm Setpoints*			
					Low	*High*	*Low-Low*	*High-High*
VT_201	-3.1	IWC			-90.0	-30.0	0.0	0.0
FT_301	4	CFM			5	200	0	600
PT_201	0.0	IWC			0.5	30.0	0.0	30.0
TT_201	197.9	DEG			40.0	225.0	0.0	225.0
TT_301	96.2	DEG			80.0	100.0	35.0	115.0

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Alarm Date:	11/4/2014
Alarm Time:	06:50:02
Technician:	Ben Haravitch

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 11/5/2014 Time: 1000

Alarm Condition:

Time of alarm: 0650; Process 21: VFD Fault

Cause of Alarm:

Specific cause of alarm is unknown, however as with previous events it is likely related to momentary power variation.

Corrective Action:

Stantec restarted the system remotely at 0748, 11/04/14. System returned to normal operating conditions.

Non-Fatal Alarms

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 2/28/2014
Time: 1200
Technician: WA

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 2/28/14 Time: 0503

Alarm Condition:

Proces 14 (Non-Fatal) - High liquid level in the AWS tank.

Cause of Alarm:

Continued cold weather this month appears to have caused additional condensate to be produced from the cooling of influent soil gas between the ConMed building and the AWS tank.

Corrective Action:

WA logged into the system remotely on 2/28/2014 and confirmed the alarm. The system was running in "Auto".

The approx. rate of condensate accumulation since the last draining was calculated and it is believed that the system's HH_AWS alarm (fatal alarm) will not trip before Stantec visits the site for routine OMM on 3/4/2014. The initial course of action will be to turn the system off, drain the AWS and pre-carbon manifold of condensate, and restart the system. CDM Smith approved this response plan.

Followup, 3/5/14: System was drained on 3/4, inluding water from the AWS, manifold and both carbon beds. System now operating normally.

Mahoney, Robert

From: The LMC SUBSLAB SYSTEM 2 system {#8951} in CONMED UTICA NY <procontrol@eosresearch.com> <procontrol@eosresearch.com>
Sent: Friday, February 28, 2014 5:03 AM
To: Nielsen, Peter; Armington, William; Mahoney, Robert; Haravitch, Ben; ZigmontJH@cdmsmith.com
Subject: ProControl ALARM Report

ProControl Series 2plus ALARM Report

Email generated from WAN IP address: 166.249.2.237
Both HTML and plain text reports are attached. Enable plain text alternative mode to view only text.

ALARM generated at 05:03:21 on 02/28/2014
ALARM was triggered by PROCESS 14. Process specific message follows:

This system uses ROM version 2.218 and is a MODEL A1.
The system is currently in AUTO mode and the last process to run was AUTO process #14.
This system last shut down at 18:13:52 on 02/21/2014 and the cause was REMOTE.

DISCRETE INPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VFDRUN	ON	VFDCTR	ON	BYPSEL	OFF	BYPCTR	OFF
HTXCTR	OFF	BLRAUT	ON	BLRHND	OFF	AWS_HH	OFF
AWS_HI	OFF	ACFAIL	OFF	WFS201	OFF	LAMP	OFF
THERML	OFF						

DISCRETE OUTPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VF_CTR	ON	BY_CTR	OFF	HX_CTR	OFF	BLOALM	OFF
HTXALM	OFF	VA_201	OFF	TMPALM	OFF	PA_201	OFF
FA_301	OFF	HI_AWS	ON	HH_AWS	OFF	BLOLIT	ON
HXLITE	OFF	VNTFAN	ON	VFDRUN	ON	VFDRST	OFF
BYLITE	OFF	VFLITE	ON	FLRWET	OFF		

ANALOG INPUT STATUS:

Tagname	*Value*	*Units*	*Totalizer*	*Total Units*	*Alarm Setpoints*			
					Low	*High*	*Low-Low*	*High-High*
VT_201	-72.2	IWC			-90.0	-30.0	0.0	0.0
FT_301	79	CFM			5	200	0	600
PT_201	5.1	IWC			0.5	15.0	0.0	30.0
TT_201	152.6	DEG			40.0	225.0	0.0	225.0
TT_301	73.9	DEG			80.0	100.0	35.0	115.0

Mahoney, Robert

From: The LMC SUBSLAB SYSTEM 2 system {#8951} in CONMED UTICA NY <procontrol@eosresearch.com> <procontrol@eosresearch.com>
Sent: Friday, February 28, 2014 9:13 AM
To: Nielsen, Peter; Armington, William; Mahoney, Robert; Haravitch, Ben; ZigmontJH@cdmsmith.com
Subject: ProControl ALARM Report

ProControl Series 2plus ALARM Report

Email generated from WAN IP address: 166.249.2.237
Both HTML and plain text reports are attached. Enable plain text alternative mode to view only text.

ALARM generated at 09:13:00 on 02/28/2014
ALARM was triggered by PROCESS 14. Process specific message follows:

This system uses ROM version 2.218 and is a MODEL A1.
The system is currently in AUTO mode and the last process to run was AUTO process #14.
This system last shut down at 18:13:52 on 02/21/2014 and the cause was REMOTE.

DISCRETE INPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VFDRUN	ON	VFDCTR	ON	BYPSEL	OFF	BYPCTR	OFF
HTXCTR	OFF	BLRAUT	ON	BLRHND	OFF	AWS_HH	OFF
AWS_HI	ON	ACFAIL	OFF	WFS201	OFF	LAMP	OFF
THERML	OFF						

DISCRETE OUTPUT STATUS:

Tagname	*State*	*Tagname*	*State*	*Tagname*	*State*	*Tagname*	*State*
VF_CTR	ON	BY_CTR	OFF	HX_CTR	OFF	BLOALM	OFF
HTXALM	OFF	VA_201	OFF	TMPALM	OFF	PA_201	OFF
FA_301	OFF	HI_AWS	ON	HH_AWS	OFF	BLOLIT	ON
HXLITE	OFF	VNTFAN	ON	VFDRUN	ON	VFDRST	OFF
BYLITE	OFF	VFLITE	ON	FLRWET	OFF		

ANALOG INPUT STATUS:

Tagname	*Value*	*Units*	*Totalizer*	*Total Units*	*Alarm Setpoints*			
					Low	*High*	*Low-Low*	*High-High*
VT_201	-72.6	IWC			-90.0	-30.0	0.0	0.0
FT_301	77	CFM			5	200	0	600
PT_201	4.7	IWC			0.5	15.0	0.0	30.0
TT_201	152.5	DEG			40.0	225.0	0.0	225.0
TT_301	70.0	DEG			80.0	100.0	35.0	115.0

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 3/17/14
Time: 1500
Technician: R. Mahoney

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 3/16/14 Time: 0500

Alarm Condition:

"Non-alarm" issue: No e-mail report was received from the SSDS system on Sunday, 3/16.

Cause of Alarm:

R. Mahoney attempted to log into the system at approx. 1300 hrs on 3/16. No connection could be made; an error message was received related to "an incorrect serial port."

Corrective Action:

Stantec contacted CDM Smith and indicated we planned to visit the site on Monday 3/17; however a standard daily email report was then received on Monday at 0500 (note: only 2 of the 3 data files normally included were attached; no 'discrete" attachment file was included). A remote check of the sytem at approximately 07030 hrs. indicated operation was normal. Accordingly, no visit was made.

EOS Research was contacted regarding this issue. Ron Gehl indicated they have recently experienced intermittent communication interruptions on several other sites; this issue appears to be related to Verizon. They are working with Verizon to correct this problem and may be updating the "firmware' that controls the PLC communication, to prevent future problems. They will contact us when they have completed the modifications and testing to discuss potential actions relative to our site.

Stantec will continue to monitor the connectivity closely.

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 5/28/2014
Time: 0800
Technician: R. Mahoney

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 5/11/14 Time: 0500

Alarm Condition:

No attachments on PLC fax email received today.

Cause of Alarm:

No alarm. Cause unknown.

Corrective Action:

Stantec logged into system and confirmed operation was normal. No further action.

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 5/28/2014
Time: 0805
Technician: R. Mahoney

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 5/20/14 Time: 0500

Alarm Condition:

No attachments on PLC fax email received today.

Cause of Alarm:

No alarm. Cause unknown.

Corrective Action:

Stantec logged into system and confirmed operation was normal. No further action.

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Date: 5/28/2014
Time: 0810
Technician: R. Mahoney

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 5/22/14 Time: 0500

Alarm Condition:

No attachments on PLC fax email received today.

Cause of Alarm:

No alarm. Cause unknown.

Corrective Action:

Stantec logged into system and confirmed operation was normal. No further action.

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Alarm Date: 11/8/2014
Alarm Time: 0400 +/-
Technician: B. Haravitch

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 11/11/14 Time: 1300

Alarm Condition:

Non-alarm conditions: No daily status report was received from the system.

Cause of Alarm:

Unknown.

Corrective Action:

B. Haravitch visited site approx. 1300 hrs. System was operating normally - no indications of operation or communication problems.

Restarted system/rebooted PLC, and confirmed via laptop that communication was restored. Daily status update was received at the normal time on the following day.

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Alarm Date:	12/8/2014
Alarm Time:	16:39:24
Technician:	R. Mahoney

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 12/8/14 Time: 1710

Alarm Condition:

Process 27: Low Air Flowrate (nonfatal/warning)

Cause of Alarm:

Cause unknown. Logged into system within 5 min of receiving alarm. Vacuum level was normal (approx -79 IWC) however flow was 0 cfm. Downloaded logged data which indicated the flow began to vary and drop off at about 1440 hours today.

Corrective Action:

Shut system down, restarted and monitored for approx 15 min. Flow rate returned to normal levels (75-80 cfm) almost immediately and remained. All other parameters also appear normal.

On 12/17/14, the two pieces of tubing that connect to the Dwyer differential pressure gauge were trimmed back so that the tubing connection is tighter. Flow readings seemed to increase by approximately 5 cfm. Will continue to monitor condition.

Alarm Response Log Sheet, Subslab Depressurization System, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Alarm Date:	12/8/2014
Alarm Time:	16:55:25
Technician:	R. Mahoney

ALARM RESPONSE / CORRECTIVE ACTION LOG SHEET

Date: 12/9/14 Time: 0740

Alarm Condition:

Process 27: Low Air Flowrate (nonfatal/warning)

Cause of Alarm:

Cause unknown. Normal fax report received next morning (12/9/14) with normal flow rate shown. Logged into system 0730 on 12/8/14. flow rate was normal (+/- 80 cfm). System logged data indicates the flow values varied and and dropped off for approx 90 min. between 1740 and 1910 hrs. Alarm may be the result of a faulty sensor, since all other parameter appear normal during the same time period.

Corrective Action:

No action taken at this time as operation appears normal.

Will continue to monitor conditions periodically.

Appendix D

Sub Slab Depressurization System Laboratory Analytical Reports

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 200-20861-1

SDG Number: 200-20861

Job Description: LMC Utica

For:
ARCADIS U.S., Inc.
10 Friends Lane
Suite 200
Newtown, PA 18940

Attention: Mr. Jeffrey Bonsteel



Approved for release.
Don C Dawicki
Manager of Project Management
2/26/2014 7:21 AM

Don C Dawicki, Manager of Project Management
30 Community Drive, South Burlington, VT, 05403
(802)660-1990
don.dawicki@testamericainc.com
02/26/2014

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: LMC Utica

Report Number: 200-20861-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 02/10/2014; the samples arrived in good condition.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): SDS-3. The container has a canister ID of 4074. The COC lists a canister ID of 4075.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): SDS-7. The container label lists a sample time of 0914. The COC lists a sample time of 0913. Logged in per COC.

VOLATILE ORGANIC COMPOUNDS

Samples SDS-1, SDS-2, SDS-3, SDS-4, SDS-5, SDS-6, SDS-7, SDS-8, SSDS-MID-CARBON and SSDS-EFFLUENT were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 02/15/2014, 02/17/2014 and 02/18/2014.

The laboratory control sample (LCS) for batches 200-68401/4 and 200-68510/4 recovered outside control limits for the following analytes: 1,2,4-Trichlorobenzeneand Naphthalene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for batch 200-68430/4 recovered outside control limits for the following analyte: Naphthalene This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The analysis of the initial calibration associated with this delivery group yielded a %RSD for Naphthalene that exceeded the upper control limit.

The analysis of the initial calibration verification associated with batch 66774/13 yielded a %D for Naphthalene that exceeded the upper control limit.

The continuing calibration verification (CCV) associated with batch 68401 recovered above the upper control limit for Napthalene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: SDS-1, SDS-2, SDS-3, SDS-4, SDS-5.

The continuing calibration verification (CCV) associated with batch 68430 recovered above the upper control limit for Acetone and Naphthalene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: SDS-1, SSDS-MID-CARBON.

The continuing calibration verification (CCV) associated with batch 68510 recovered above the upper control limit for Acetone and Naphthalene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: SDS-6, SDS-7, SDS-8, SSDS-EFFLUENT.

Samples SDS-1[8X], SDS-2[5X], SDS-5[6.9X], SDS-6[22X], SDS-7[5X], SDS-8[4X], SSDS-MID-CARBON[2X] and SSDS-EFFLUENT[2.5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOC analysis.

All other quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Instrument ID: CHC.i Analysis Batch Number: 66774

Lab Sample ID: IC 200-66774/3 Client Sample ID:

Date Analyzed: 01/03/14 09:43 Lab File ID: cma003.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	3.98	Peak not found by the data system	lyonsb	01/14/14 12:59
1,1-Dichloroethane	9.28	Peak not found by the data system	lyonsb	01/14/14 12:59
Carbon tetrachloride	11.61	Baseline Event	lyonsb	01/14/14 12:59
Trichloroethene	13.48	Baseline Event	lyonsb	01/14/14 12:59

Lab Sample ID: IC 200-66774/4 Client Sample ID:

Date Analyzed: 01/03/14 10:35 Lab File ID: cma004.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl bromide	5.48	Peak not found by the data system	lyonsb	01/21/14 12:15
Isopropyl alcohol	7.40	Peak not found by the data system	lyonsb	01/21/14 12:15
tert-Butyl alcohol	8.21	Peak not found by the data system	lyonsb	01/21/14 12:15
Heptane	12.48	Baseline Event	lyonsb	01/21/14 12:15

Lab Sample ID: IC 200-66774/5 Client Sample ID:

Date Analyzed: 01/03/14 11:28 Lab File ID: cma005.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isopropyl alcohol	7.39	Peak not found by the data system	lyonsb	01/21/14 12:16
tert-Butyl alcohol	8.20	Baseline Event	lyonsb	01/21/14 12:16

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Instrument ID: CHC.i Analysis Batch Number: 66774

Lab Sample ID: ICIS 200-66774/7 Client Sample ID:

Date Analyzed: 01/03/14 13:12 Lab File ID: cma007.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	7.78	Peak not found by the data system	lyonsb	01/14/14 12:49

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Instrument ID: CHC.i Analysis Batch Number: 68401

Lab Sample ID: 200-20861-4 Client Sample ID: SDS-4

Date Analyzed: 02/15/14 09:26 Lab File ID: 6163_21.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	11.29	Baseline Event	desjardin sb	02/17/14 15:13

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Instrument ID: CHC.i Analysis Batch Number: 68430

Lab Sample ID: 200-20861-9 Client Sample ID: SSDS-MID-CARBON

Date Analyzed: 02/18/14 02:47 Lab File ID: 6176_20.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	11.30	Baseline Event	desjardin sb	02/18/14 12:56

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Instrument ID: CHC.i Analysis Batch Number: 68510

Lab Sample ID: 200-20861-7 Client Sample ID: SDS-7

Date Analyzed: 02/18/14 18:28 Lab File ID: 6208_08.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroform	11.07	Baseline Event	desjardin sb	02/19/14 11:01
Trichloroethene	13.47	Baseline Event	desjardin sb	02/19/14 11:01

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-20861-1	SDS-1	Air	02/07/2014 1005	02/10/2014 0930
200-20861-2	SDS-2	Air	02/07/2014 1012	02/10/2014 0930
200-20861-3	SDS-3	Air	02/07/2014 0945	02/10/2014 0930
200-20861-4	SDS-4	Air	02/07/2014 0957	02/10/2014 0930
200-20861-5	SDS-5	Air	02/07/2014 0931	02/10/2014 0930
200-20861-6	SDS-6	Air	02/07/2014 0921	02/10/2014 0930
200-20861-7	SDS-7	Air	02/07/2014 0913	02/10/2014 0930
200-20861-8	SDS-8	Air	02/07/2014 0903	02/10/2014 0930
200-20861-9	SSDS-MID-CARBON	Air	02/07/2014 1045	02/10/2014 0930
200-20861-10	SSDS-EFFLUENT	Air	02/07/2014 1030	02/10/2014 0930

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20861-1	**SDS-1**					
Freon 12		2.2	J	4.0	ppb v/v	TO-15
Freon 12		11	J	20	ug/m3	TO-15
n-Butane		8.3		4.0	ppb v/v	TO-15
n-Butane		20		9.5	ug/m3	TO-15
Freon 11		0.81	J	1.6	ppb v/v	TO-15
Freon 11		4.6	J	9.0	ug/m3	TO-15
Carbon disulfide		2.1	J	4.0	ppb v/v	TO-15
Carbon disulfide		6.5	J	12	ug/m3	TO-15
Hexane		1.5	J	1.6	ppb v/v	TO-15
Hexane		5.3	J	5.6	ug/m3	TO-15
cis-1,2-Dichloroethene		2.6		1.6	ppb v/v	TO-15
cis-1,2-Dichloroethene		10		6.3	ug/m3	TO-15
1,2-Dichloroethene, Total		2.6		1.6	ppb v/v	TO-15
1,2-Dichloroethene, Total		10		6.3	ug/m3	TO-15
2,2,4-Trimethylpentane		1.7		1.6	ppb v/v	TO-15
2,2,4-Trimethylpentane		7.8		7.5	ug/m3	TO-15
Benzene		0.84	J	1.6	ppb v/v	TO-15
Benzene		2.7	J	5.1	ug/m3	TO-15
Trichloroethene		7.2		0.32	ppb v/v	TO-15
Trichloroethene		39		1.7	ug/m3	TO-15
Toluene		0.80	J	1.6	ppb v/v	TO-15
Toluene		3.0	J	6.0	ug/m3	TO-15
Tetrachloroethene		170		1.6	ppb v/v	TO-15
Tetrachloroethene		1200		11	ug/m3	TO-15
Ethylbenzene		0.34	J	1.6	ppb v/v	TO-15
Ethylbenzene		1.5	J	6.9	ug/m3	TO-15
m,p-Xylene		0.87	J	4.0	ppb v/v	TO-15
m,p-Xylene		3.8	J	17	ug/m3	TO-15
Xylene, o-		0.25	J	1.6	ppb v/v	TO-15
Xylene, o-		1.1	J	6.9	ug/m3	TO-15
Xylene (total)		1.1	J	1.6	ppb v/v	TO-15
Xylene (total)		4.9	J	6.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20861-2	**SDS-2**					
Freon 12		8.4		2.5	ppb v/v	TO-15
Freon 12		42		12	ug/m3	TO-15
Freon 22		0.46	J	2.5	ppb v/v	TO-15
Freon 22		1.6	J	8.8	ug/m3	TO-15
Freon 11		1.7		1.0	ppb v/v	TO-15
Freon 11		9.4		5.6	ug/m3	TO-15
Isopropyl alcohol		140		25	ppb v/v	TO-15
Isopropyl alcohol		350		61	ug/m3	TO-15
Methylene Chloride		1.4	J	2.5	ppb v/v	TO-15
Methylene Chloride		4.9	J	8.7	ug/m3	TO-15
Hexane		0.50	J	1.0	ppb v/v	TO-15
Hexane		1.8	J	3.5	ug/m3	TO-15
Chloroform		0.42	J	1.0	ppb v/v	TO-15
Chloroform		2.1	J	4.9	ug/m3	TO-15
1,1,1-Trichloroethane		3.2		1.0	ppb v/v	TO-15
1,1,1-Trichloroethane		18		5.5	ug/m3	TO-15
Benzene		0.28	J	1.0	ppb v/v	TO-15
Benzene		0.89	J	3.2	ug/m3	TO-15
Trichloroethene		4.4		0.20	ppb v/v	TO-15
Trichloroethene		24		1.1	ug/m3	TO-15
Toluene		0.36	J	1.0	ppb v/v	TO-15
Toluene		1.4	J	3.8	ug/m3	TO-15
Tetrachloroethene		10		1.0	ppb v/v	TO-15
Tetrachloroethene		69		6.8	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20861-3	**SDS-3**					
Freon 12		0.64		0.50	ppb v/v	TO-15
Freon 12		3.2		2.5	ug/m3	TO-15
Freon 22		0.55		0.50	ppb v/v	TO-15
Freon 22		1.9		1.8	ug/m3	TO-15
Chloromethane		0.54		0.50	ppb v/v	TO-15
Chloromethane		1.1		1.0	ug/m3	TO-15
n-Butane		0.73		0.50	ppb v/v	TO-15
n-Butane		1.7		1.2	ug/m3	TO-15
Freon 11		0.29		0.20	ppb v/v	TO-15
Freon 11		1.6		1.1	ug/m3	TO-15
Freon 113		0.19	J	0.20	ppb v/v	TO-15
Freon 113		1.4	J	1.5	ug/m3	TO-15
Acetone		5.6		5.0	ppb v/v	TO-15
Acetone		13		12	ug/m3	TO-15
Isopropyl alcohol		18		5.0	ppb v/v	TO-15
Isopropyl alcohol		44		12	ug/m3	TO-15
Allyl chloride		1.4		0.50	ppb v/v	TO-15
Allyl chloride		4.5		1.6	ug/m3	TO-15
Methylene Chloride		8.0		0.50	ppb v/v	TO-15
Methylene Chloride		28		1.7	ug/m3	TO-15
Hexane		0.12	J	0.20	ppb v/v	TO-15
Hexane		0.44	J	0.70	ug/m3	TO-15
1,1-Dichloroethane		0.060	J	0.20	ppb v/v	TO-15
1,1-Dichloroethane		0.24	J	0.81	ug/m3	TO-15
cis-1,2-Dichloroethene		0.27		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		1.1		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		0.27		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		1.1		0.79	ug/m3	TO-15
Chloroform		0.28		0.20	ppb v/v	TO-15
Chloroform		1.3		0.98	ug/m3	TO-15
Tetrahydrofuran		0.38	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.1	J	15	ug/m3	TO-15
Carbon tetrachloride		0.085		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.53		0.25	ug/m3	TO-15
Benzene		0.21		0.20	ppb v/v	TO-15
Benzene		0.66		0.64	ug/m3	TO-15
Heptane		0.14	J	0.20	ppb v/v	TO-15
Heptane		0.55	J	0.82	ug/m3	TO-15
Trichloroethene		5.6		0.040	ppb v/v	TO-15
Trichloroethene		30		0.21	ug/m3	TO-15
Toluene		0.29		0.20	ppb v/v	TO-15
Toluene		1.1		0.75	ug/m3	TO-15
Tetrachloroethene		3.4		0.20	ppb v/v	TO-15
Tetrachloroethene		23		1.4	ug/m3	TO-15
Ethylbenzene		0.072	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.31	J	0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene		0.17	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.72	J	2.2	ug/m3	TO-15
Xylene, o-		0.084	J	0.20	ppb v/v	TO-15
Xylene, o-		0.36	J	0.87	ug/m3	TO-15
Xylene (total)		0.25		0.20	ppb v/v	TO-15
Xylene (total)		1.1		0.87	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.081	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.40	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.077	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.38	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Sample ID	Client Sample ID					
Analyte		**Result**	**Qualifier**	**Reporting Limit**	**Units**	**Method**
200-20861-4	**SDS-4**					
Freon 12		0.65		0.50	ppb v/v	TO-15
Freon 12		3.2		2.5	ug/m3	TO-15
Freon 22		0.46	J	0.50	ppb v/v	TO-15
Freon 22		1.6	J	1.8	ug/m3	TO-15
Chloromethane		0.64		0.50	ppb v/v	TO-15
Chloromethane		1.3		1.0	ug/m3	TO-15
n-Butane		1.8		0.50	ppb v/v	TO-15
n-Butane		4.3		1.2	ug/m3	TO-15
1,3-Butadiene		0.13	J	0.20	ppb v/v	TO-15
1,3-Butadiene		0.28	J	0.44	ug/m3	TO-15
Freon 11		0.44		0.20	ppb v/v	TO-15
Freon 11		2.4		1.1	ug/m3	TO-15
Freon 113		0.16	J	0.20	ppb v/v	TO-15
Freon 113		1.2	J	1.5	ug/m3	TO-15
Acetone		7.4		5.0	ppb v/v	TO-15
Acetone		18		12	ug/m3	TO-15
Isopropyl alcohol		29		5.0	ppb v/v	TO-15
Isopropyl alcohol		72		12	ug/m3	TO-15
Methylene Chloride		5.4		0.50	ppb v/v	TO-15
Methylene Chloride		19		1.7	ug/m3	TO-15
trans-1,2-Dichloroethene		0.10	J	0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		0.40	J	0.79	ug/m3	TO-15
Hexane		0.56		0.20	ppb v/v	TO-15
Hexane		2.0		0.70	ug/m3	TO-15
cis-1,2-Dichloroethene		0.54		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		2.1		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		0.64		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		2.5		0.79	ug/m3	TO-15
Chloroform		0.25		0.20	ppb v/v	TO-15
Chloroform		1.2		0.98	ug/m3	TO-15
Tetrahydrofuran		0.23	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.67	J	15	ug/m3	TO-15
Cyclohexane		0.20		0.20	ppb v/v	TO-15
Cyclohexane		0.69		0.69	ug/m3	TO-15
Carbon tetrachloride		0.094		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.59		0.25	ug/m3	TO-15
2,2,4-Trimethylpentane		0.26		0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		1.2		0.93	ug/m3	TO-15
Benzene		0.27		0.20	ppb v/v	TO-15
Benzene		0.87		0.64	ug/m3	TO-15
Heptane		0.32		0.20	ppb v/v	TO-15
Heptane		1.3		0.82	ug/m3	TO-15
Trichloroethene		3.0		0.040	ppb v/v	TO-15
Trichloroethene		16		0.21	ug/m3	TO-15
Toluene		0.62		0.20	ppb v/v	TO-15
Toluene		2.3		0.75	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Tetrachloroethene		35		0.20	ppb v/v	TO-15
Tetrachloroethene		240		1.4	ug/m3	TO-15
Chlorobenzene		0.070	J	0.20	ppb v/v	TO-15
Chlorobenzene		0.32	J	0.92	ug/m3	TO-15
Ethylbenzene		0.34		0.20	ppb v/v	TO-15
Ethylbenzene		1.5		0.87	ug/m3	TO-15
m,p-Xylene		0.41	J	0.50	ppb v/v	TO-15
m,p-Xylene		1.8	J	2.2	ug/m3	TO-15
Xylene, o-		0.68		0.20	ppb v/v	TO-15
Xylene, o-		2.9		0.87	ug/m3	TO-15
Xylene (total)		1.1		0.20	ppb v/v	TO-15
Xylene (total)		4.7		0.87	ug/m3	TO-15
Styrene		0.16	J	0.20	ppb v/v	TO-15
Styrene		0.67	J	0.85	ug/m3	TO-15
n-Propylbenzene		0.11	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.52	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.14	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.70	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.51		0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		2.5		0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.22		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.1		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.22		0.20	ppb v/v	TO-15
4-Isopropyltoluene		1.2		1.1	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20861-5	**SDS-5**					
Freon 12		0.62	J	3.5	ppb v/v	TO-15
Freon 12		3.1	J	17	ug/m3	TO-15
Freon 22		3.1	J	3.5	ppb v/v	TO-15
Freon 22		11	J	12	ug/m3	TO-15
Isopropyl alcohol		110		35	ppb v/v	TO-15
Isopropyl alcohol		260		85	ug/m3	TO-15
Methylene Chloride		80		3.5	ppb v/v	TO-15
Methylene Chloride		280		12	ug/m3	TO-15
Chloroform		4.9		1.4	ppb v/v	TO-15
Chloroform		24		6.7	ug/m3	TO-15
Tetrahydrofuran		2.6	J	35	ppb v/v	TO-15
Tetrahydrofuran		7.6	J	100	ug/m3	TO-15
Trichloroethene		2.7		0.28	ppb v/v	TO-15
Trichloroethene		14		1.5	ug/m3	TO-15
Toluene		0.83	J	1.4	ppb v/v	TO-15
Toluene		3.1	J	5.2	ug/m3	TO-15
Tetrachloroethene		1.1	J	1.4	ppb v/v	TO-15
Tetrachloroethene		7.6	J	9.4	ug/m3	TO-15
m,p-Xylene		0.73	J	3.5	ppb v/v	TO-15
m,p-Xylene		3.2	J	15	ug/m3	TO-15
Xylene, o-		0.22	J	1.4	ppb v/v	TO-15
Xylene, o-		0.95	J	6.0	ug/m3	TO-15
Xylene (total)		0.95	J	1.4	ppb v/v	TO-15
Xylene (total)		4.1	J	6.0	ug/m3	TO-15
200-20861-6	**SDS-6**					
Freon 22		1.9	J	11	ppb v/v	TO-15
Freon 22		6.7	J	39	ug/m3	TO-15
Isopropyl alcohol		760		110	ppb v/v	TO-15
Isopropyl alcohol		1900		270	ug/m3	TO-15
Methylene Chloride		170		11	ppb v/v	TO-15
Methylene Chloride		590		38	ug/m3	TO-15
Chloroform		10		4.4	ppb v/v	TO-15
Chloroform		50		21	ug/m3	TO-15
Tetrahydrofuran		14	J	110	ppb v/v	TO-15
Tetrahydrofuran		42	J	320	ug/m3	TO-15
Trichloroethene		0.80	J	0.88	ppb v/v	TO-15
Trichloroethene		4.3	J	4.7	ug/m3	TO-15
Toluene		3.8	J	4.4	ppb v/v	TO-15
Toluene		14	J	17	ug/m3	TO-15
Tetrachloroethene		2.7	J	4.4	ppb v/v	TO-15
Tetrachloroethene		18	J	30	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20861-7	**SDS-7**					
Freon 12		0.63	J	2.5	ppb v/v	TO-15
Freon 12		3.1	J	12	ug/m3	TO-15
Freon 22		0.57	J	2.5	ppb v/v	TO-15
Freon 22		2.0	J	8.8	ug/m3	TO-15
Isopropyl alcohol		160		25	ppb v/v	TO-15
Isopropyl alcohol		400		61	ug/m3	TO-15
Methylene Chloride		28		2.5	ppb v/v	TO-15
Methylene Chloride		99		8.7	ug/m3	TO-15
Chloroform		1.5		1.0	ppb v/v	TO-15
Chloroform		7.5		4.9	ug/m3	TO-15
Tetrahydrofuran		8.7	J	25	ppb v/v	TO-15
Tetrahydrofuran		26	J	74	ug/m3	TO-15
Trichloroethene		0.48		0.20	ppb v/v	TO-15
Trichloroethene		2.6		1.1	ug/m3	TO-15
Toluene		0.38	J	1.0	ppb v/v	TO-15
Toluene		1.4	J	3.8	ug/m3	TO-15
Tetrachloroethene		0.44	J	1.0	ppb v/v	TO-15
Tetrachloroethene		3.0	J	6.8	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20861-8	**SDS-8**					
Freon 12		1.4	J	2.0	ppb v/v	TO-15
Freon 12		7.1	J	9.9	ug/m3	TO-15
Freon 22		1.1	J	2.0	ppb v/v	TO-15
Freon 22		3.9	J	7.1	ug/m3	TO-15
n-Butane		97		2.0	ppb v/v	TO-15
n-Butane		230		4.8	ug/m3	TO-15
Freon 11		0.76	J	0.80	ppb v/v	TO-15
Freon 11		4.3	J	4.5	ug/m3	TO-15
Freon 113		1.6		0.80	ppb v/v	TO-15
Freon 113		12		6.1	ug/m3	TO-15
Acetone		10	J	20	ppb v/v	TO-15
Acetone		24	J	48	ug/m3	TO-15
Isopropyl alcohol		120		20	ppb v/v	TO-15
Isopropyl alcohol		310		49	ug/m3	TO-15
Methylene Chloride		21		2.0	ppb v/v	TO-15
Methylene Chloride		74		6.9	ug/m3	TO-15
trans-1,2-Dichloroethene		0.47	J	0.80	ppb v/v	TO-15
trans-1,2-Dichloroethene		1.8	J	3.2	ug/m3	TO-15
1,1-Dichloroethane		0.48	J	0.80	ppb v/v	TO-15
1,1-Dichloroethane		1.9	J	3.2	ug/m3	TO-15
cis-1,2-Dichloroethene		0.96		0.80	ppb v/v	TO-15
cis-1,2-Dichloroethene		3.8		3.2	ug/m3	TO-15
1,2-Dichloroethene, Total		1.4		0.80	ppb v/v	TO-15
1,2-Dichloroethene, Total		5.7		3.2	ug/m3	TO-15
Chloroform		16		0.80	ppb v/v	TO-15
Chloroform		77		3.9	ug/m3	TO-15
Tetrahydrofuran		2.3	J	20	ppb v/v	TO-15
Tetrahydrofuran		6.6	J	59	ug/m3	TO-15
1,1,1-Trichloroethane		2.1		0.80	ppb v/v	TO-15
1,1,1-Trichloroethane		11		4.4	ug/m3	TO-15
Benzene		0.18	J	0.80	ppb v/v	TO-15
Benzene		0.59	J	2.6	ug/m3	TO-15
Trichloroethene		13		0.16	ppb v/v	TO-15
Trichloroethene		67		0.86	ug/m3	TO-15
Toluene		1.1		0.80	ppb v/v	TO-15
Toluene		4.0		3.0	ug/m3	TO-15
Tetrachloroethene		1.3		0.80	ppb v/v	TO-15
Tetrachloroethene		9.0		5.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20861-9	**SSDS-MID-CARBON**					
Freon 12		1.0		1.0	ppb v/v	TO-15
Freon 12		5.0		4.9	ug/m3	TO-15
Freon 22		0.86	J	1.0	ppb v/v	TO-15
Freon 22		3.1	J	3.5	ug/m3	TO-15
n-Butane		15		1.0	ppb v/v	TO-15
n-Butane		36		2.4	ug/m3	TO-15
Vinyl chloride		0.18		0.080	ppb v/v	TO-15
Vinyl chloride		0.47		0.20	ug/m3	TO-15
Freon 11		0.88		0.40	ppb v/v	TO-15
Freon 11		4.9		2.2	ug/m3	TO-15
Freon 113		0.20	J	0.40	ppb v/v	TO-15
Freon 113		1.5	J	3.1	ug/m3	TO-15
Acetone		5.2	J	10	ppb v/v	TO-15
Acetone		12	J	24	ug/m3	TO-15
Isopropyl alcohol		63		10	ppb v/v	TO-15
Isopropyl alcohol		160		25	ug/m3	TO-15
Methylene Chloride		20		1.0	ppb v/v	TO-15
Methylene Chloride		69		3.5	ug/m3	TO-15
trans-1,2-Dichloroethene		0.31	J	0.40	ppb v/v	TO-15
trans-1,2-Dichloroethene		1.2	J	1.6	ug/m3	TO-15
1,1-Dichloroethane		0.10	J	0.40	ppb v/v	TO-15
1,1-Dichloroethane		0.41	J	1.6	ug/m3	TO-15
cis-1,2-Dichloroethene		0.59		0.40	ppb v/v	TO-15
cis-1,2-Dichloroethene		2.3		1.6	ug/m3	TO-15
1,2-Dichloroethene, Total		0.90		0.40	ppb v/v	TO-15
1,2-Dichloroethene, Total		3.6		1.6	ug/m3	TO-15
Chloroform		1.7		0.40	ppb v/v	TO-15
Chloroform		8.1		2.0	ug/m3	TO-15
Tetrahydrofuran		1.7	J	10	ppb v/v	TO-15
Tetrahydrofuran		5.0	J	29	ug/m3	TO-15
1,1,1-Trichloroethane		0.46		0.40	ppb v/v	TO-15
1,1,1-Trichloroethane		2.5		2.2	ug/m3	TO-15
Cyclohexane		0.63		0.40	ppb v/v	TO-15
Cyclohexane		2.2		1.4	ug/m3	TO-15
Carbon tetrachloride		0.060	J	0.080	ppb v/v	TO-15
Carbon tetrachloride		0.38	J	0.50	ug/m3	TO-15
Trichloroethene		0.14		0.080	ppb v/v	TO-15
Trichloroethene		0.76		0.43	ug/m3	TO-15
Toluene		0.33	J	0.40	ppb v/v	TO-15
Toluene		1.2	J	1.5	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20861-10	**SSDS-EFFLUENT**					
Freon 12		0.98	J	1.3	ppb v/v	TO-15
Freon 12		4.8	J	6.2	ug/m3	TO-15
Freon 22		0.79	J	1.3	ppb v/v	TO-15
Freon 22		2.8	J	4.4	ug/m3	TO-15
n-Butane		9.7		1.3	ppb v/v	TO-15
n-Butane		23		3.0	ug/m3	TO-15
Freon 11		1.3		0.50	ppb v/v	TO-15
Freon 11		7.2		2.8	ug/m3	TO-15
Freon 113		0.21	J	0.50	ppb v/v	TO-15
Freon 113		1.6	J	3.8	ug/m3	TO-15
Isopropyl alcohol		66		13	ppb v/v	TO-15
Isopropyl alcohol		160		31	ug/m3	TO-15
Methylene Chloride		24		1.3	ppb v/v	TO-15
Methylene Chloride		85		4.3	ug/m3	TO-15
trans-1,2-Dichloroethene		0.39	J	0.50	ppb v/v	TO-15
trans-1,2-Dichloroethene		1.5	J	2.0	ug/m3	TO-15
Hexane		0.32	J	0.50	ppb v/v	TO-15
Hexane		1.1	J	1.8	ug/m3	TO-15
1,1-Dichloroethane		0.17	J	0.50	ppb v/v	TO-15
1,1-Dichloroethane		0.68	J	2.0	ug/m3	TO-15
cis-1,2-Dichloroethene		0.56		0.50	ppb v/v	TO-15
cis-1,2-Dichloroethene		2.2		2.0	ug/m3	TO-15
1,2-Dichloroethene, Total		0.95		0.50	ppb v/v	TO-15
1,2-Dichloroethene, Total		3.8		2.0	ug/m3	TO-15
Chloroform		2.1		0.50	ppb v/v	TO-15
Chloroform		10		2.4	ug/m3	TO-15
Tetrahydrofuran		1.9	J	13	ppb v/v	TO-15
Tetrahydrofuran		5.7	J	37	ug/m3	TO-15
1,1,1-Trichloroethane		0.62		0.50	ppb v/v	TO-15
1,1,1-Trichloroethane		3.4		2.7	ug/m3	TO-15
Cyclohexane		0.92		0.50	ppb v/v	TO-15
Cyclohexane		3.2		1.7	ug/m3	TO-15
Carbon tetrachloride		0.076	J	0.10	ppb v/v	TO-15
Carbon tetrachloride		0.48	J	0.63	ug/m3	TO-15
Toluene		0.25	J	0.50	ppb v/v	TO-15
Toluene		0.94	J	1.9	ug/m3	TO-15
Tetrachloroethene		0.11	J	0.50	ppb v/v	TO-15
Tetrachloroethene		0.74	J	3.4	ug/m3	TO-15
m,p-Xylene		0.26	J	1.3	ppb v/v	TO-15
m,p-Xylene		1.1	J	5.4	ug/m3	TO-15
Xylene, o-		0.11	J	0.50	ppb v/v	TO-15
Xylene, o-		0.47	J	2.2	ug/m3	TO-15
Xylene (total)		0.37	J	0.50	ppb v/v	TO-15
Xylene (total)		1.6	J	2.2	ug/m3	TO-15

METHOD SUMMARY

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Method	Analyst	Analyst ID
EPA TO-15	Desjardins, William R	WRD

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-1**

Lab Sample ID: 200-20861-1
Client Matrix: Air

Date Sampled: 02/07/2014 1005
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68430	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6176_06.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	02/17/2014 1439			Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 1439			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	2.2	J	0.24	4.0
Freon 22	4.0	U	0.38	4.0
Freon-114	1.6	U	0.28	1.6
Chloromethane	4.0	U	1.1	4.0
n-Butane	8.3		2.3	4.0
Vinyl chloride	0.32	U	0.30	0.32
1,3-Butadiene	1.6	U	0.34	1.6
Bromomethane	1.6	U	0.22	1.6
Chloroethane	4.0	U	0.24	4.0
Vinyl bromide	1.6	U	0.24	1.6
Freon 11	0.81	J	0.24	1.6
Freon 113	1.6	U	0.14	1.6
1,1-Dichloroethene	1.6	U	0.19	1.6
Acetone	40	U	10	40
Isopropyl alcohol	40	U	1.7	40
Carbon disulfide	2.1	J	0.53	4.0
Allyl chloride	4.0	U	0.27	4.0
Methylene Chloride	4.0	U	1.0	4.0
tert-Butyl alcohol	40	U	2.6	40
Methyl tert-butyl ether	1.6	U	0.18	1.6
trans-1,2-Dichloroethene	1.6	U	0.23	1.6
Hexane	1.5	J	0.27	1.6
1,1-Dichloroethane	1.6	U	0.30	1.6
Methyl Ethyl Ketone	4.0	U	1.9	4.0
cis-1,2-Dichloroethene	2.6		0.30	1.6
1,2-Dichloroethene, Total	2.6		0.51	1.6
Chloroform	1.6	U	0.20	1.6
Tetrahydrofuran	40	U	0.37	40
1,1,1-Trichloroethane	1.6	U	0.17	1.6
Cyclohexane	1.6	U	0.20	1.6
Carbon tetrachloride	0.32	U	0.17	0.32
2,2,4-Trimethylpentane	1.7		0.22	1.6
Benzene	0.84	J	0.15	1.6
1,2-Dichloroethane	1.6	U	0.14	1.6
Heptane	1.6	U	0.37	1.6
Trichloroethene	7.2		0.19	0.32
Methyl methacrylate	4.0	U	0.24	4.0
1,2-Dichloropropane	1.6	U	0.26	1.6
1,4-Dioxane	40	U	1.6	40
Bromodichloromethane	1.6	U	0.14	1.6
cis-1,3-Dichloropropene	1.6	U	0.22	1.6
methyl isobutyl ketone	4.0	U	0.22	4.0
Toluene	0.80	J	0.14	1.6
trans-1,3-Dichloropropene	1.6	U	0.18	1.6
1,1,2-Trichloroethane	1.6	U	0.14	1.6
Tetrachloroethene	170		0.13	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-1**

Lab Sample ID: 200-20861-1
Client Matrix: Air

Date Sampled: 02/07/2014 1005
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68430	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6176_06.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	02/17/2014 1439			Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 1439			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	4.0	U	1.6	4.0
Dibromochloromethane	1.6	U	0.16	1.6
1,2-Dibromoethane	1.6	U	0.16	1.6
Chlorobenzene	1.6	U	0.065	1.6
Ethylbenzene	0.34	J	0.10	1.6
m,p-Xylene	0.87	J	0.18	4.0
Xylene, o-	0.25	J	0.13	1.6
Xylene (total)	1.1	J	0.27	1.6
Styrene	1.6	U	0.14	1.6
Bromoform	1.6	U	0.080	1.6
1,1,2,2-Tetrachloroethane	1.6	U	0.13	1.6
n-Propylbenzene	1.6	U	0.64	1.6
4-Ethyltoluene	1.6	U	0.14	1.6
1,3,5-Trimethylbenzene	1.6	U	0.096	1.6
2-Chlorotoluene	1.6	U	0.10	1.6
tert-Butylbenzene	1.6	U	0.14	1.6
1,2,4-Trimethylbenzene	1.6	U	0.11	1.6
sec-Butylbenzene	1.6	U	0.64	1.6
4-Isopropyltoluene	1.6	U	0.64	1.6
1,3-Dichlorobenzene	1.6	U	0.11	1.6
1,4-Dichlorobenzene	1.6	U	0.11	1.6
Benzyl chloride	1.6	U	0.64	1.6
n-Butylbenzene	1.6	U	0.64	1.6
1,2-Dichlorobenzene	1.6	U	0.11	1.6
1,2,4-Trichlorobenzene	4.0	U	0.22	4.0
Hexachloro-1,3-butadiene	1.6	U	0.18	1.6
Naphthalene	4.0	U ^ *	1.6	4.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	11	J	1.2	20
Freon 22	14	U	1.4	14
Freon-114	11	U	2.0	11
Chloromethane	8.3	U	2.2	8.3
n-Butane	20		5.4	9.5
Vinyl chloride	0.82	U	0.78	0.82
1,3-Butadiene	3.5	U	0.74	3.5
Bromomethane	6.2	U	0.87	6.2
Chloroethane	11	U	0.63	11
Vinyl bromide	7.0	U	1.0	7.0
Freon 11	4.6	J	1.3	9.0
Freon 113	12	U	1.1	12
1,1-Dichloroethene	6.3	U	0.76	6.3
Acetone	95	U	24	95
Isopropyl alcohol	98	U	4.2	98
Carbon disulfide	6.5	J	1.6	12
Allyl chloride	13	U	0.85	13

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-1**

Lab Sample ID: 200-20861-1
Client Matrix: Air

Date Sampled: 02/07/2014 1005
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68430	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6176_06.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	02/17/2014 1439			Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 1439			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	14	U	3.5	14
tert-Butyl alcohol	120	U	8.0	120
Methyl tert-butyl ether	5.8	U	0.63	5.8
trans-1,2-Dichloroethene	6.3	U	0.92	6.3
Hexane	5.3	J	0.96	5.6
1,1-Dichloroethane	6.5	U	1.2	6.5
Methyl Ethyl Ketone	12	U	5.7	12
cis-1,2-Dichloroethene	10		1.2	6.3
1,2-Dichloroethene, Total	10		2.0	6.3
Chloroform	7.8	U	0.98	7.8
Tetrahydrofuran	120	U	1.1	120
1,1,1-Trichloroethane	8.7	U	0.92	8.7
Cyclohexane	5.5	U	0.69	5.5
Carbon tetrachloride	2.0	U	1.1	2.0
2,2,4-Trimethylpentane	7.8		1.0	7.5
Benzene	2.7	J	0.49	5.1
1,2-Dichloroethane	6.5	U	0.55	6.5
Heptane	6.6	U	1.5	6.6
Trichloroethene	39		1.0	1.7
Methyl methacrylate	16	U	0.98	16
1,2-Dichloropropane	7.4	U	1.2	7.4
1,4-Dioxane	140	U	5.8	140
Bromodichloromethane	11	U	0.91	11
cis-1,3-Dichloropropene	7.3	U	1.0	7.3
methyl isobutyl ketone	16	U	0.88	16
Toluene	3.0	J	0.51	6.0
trans-1,3-Dichloropropene	7.3	U	0.80	7.3
1,1,2-Trichloroethane	8.7	U	0.74	8.7
Tetrachloroethene	1200		0.87	11
Methyl Butyl Ketone (2-Hexanone)	16	U	6.6	16
Dibromochloromethane	14	U	1.4	14
1,2-Dibromoethane	12	U	1.2	12
Chlorobenzene	7.4	U	0.30	7.4
Ethylbenzene	1.5	J	0.45	6.9
m,p-Xylene	3.8	J	0.80	17
Xylene, o-	1.1	J	0.56	6.9
Xylene (total)	4.9	J	1.2	6.9
Styrene	6.8	U	0.61	6.8
Bromoform	17	U	0.83	17
1,1,2,2-Tetrachloroethane	11	U	0.88	11
n-Propylbenzene	7.9	U	3.1	7.9
4-Ethyltoluene	7.9	U	0.71	7.9
1,3,5-Trimethylbenzene	7.9	U	0.47	7.9
2-Chlorotoluene	8.3	U	0.54	8.3
tert-Butylbenzene	8.8	U	0.75	8.8
1,2,4-Trimethylbenzene	7.9	U	0.55	7.9

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-1**

Lab Sample ID: 200-20861-1
Client Matrix: Air

Date Sampled: 02/07/2014 1005
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68430	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6176_06.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	02/17/2014 1439			Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 1439			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	8.8	U	3.5	8.8
4-Isopropyltoluene	8.8	U	3.5	8.8
1,3-Dichlorobenzene	9.6	U	0.67	9.6
1,4-Dichlorobenzene	9.6	U	0.67	9.6
Benzyl chloride	8.3	U	3.3	8.3
n-Butylbenzene	8.8	U	3.5	8.8
1,2-Dichlorobenzene	9.6	U	0.67	9.6
1,2,4-Trichlorobenzene	30	U	1.6	30
Hexachloro-1,3-butadiene	17	U	1.9	17
Naphthalene	21	U ^ *	8.4	21

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-2**

Lab Sample ID: 200-20861-2
Client Matrix: Air

Date Sampled: 02/07/2014 1012
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6163_19.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	02/15/2014 0741			Final Weight/Volume:	200 mL
Prep Date:	02/15/2014 0741			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	8.4		0.15	2.5
Freon 22	0.46	J	0.24	2.5
Freon-114	1.0	U	0.18	1.0
Chloromethane	2.5	U	0.68	2.5
n-Butane	2.5	U	1.4	2.5
Vinyl chloride	0.20	U	0.19	0.20
1,3-Butadiene	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.14	1.0
Chloroethane	2.5	U	0.15	2.5
Vinyl bromide	1.0	U	0.15	1.0
Freon 11	1.7		0.15	1.0
Freon 113	1.0	U	0.090	1.0
1,1-Dichloroethene	1.0	U	0.12	1.0
Acetone	25	U	6.3	25
Isopropyl alcohol	140		1.1	25
Carbon disulfide	2.5	U	0.33	2.5
Allyl chloride	2.5	U	0.17	2.5
Methylene Chloride	1.4	J	0.63	2.5
tert-Butyl alcohol	25	U	1.6	25
Methyl tert-butyl ether	1.0	U	0.11	1.0
trans-1,2-Dichloroethene	1.0	U	0.15	1.0
Hexane	0.50	J	0.17	1.0
1,1-Dichloroethane	1.0	U	0.19	1.0
Methyl Ethyl Ketone	2.5	U	1.2	2.5
cis-1,2-Dichloroethene	1.0	U	0.19	1.0
1,2-Dichloroethene, Total	1.0	U	0.32	1.0
Chloroform	0.42	J	0.13	1.0
Tetrahydrofuran	25	U	0.23	25
1,1,1-Trichloroethane	3.2		0.11	1.0
Cyclohexane	1.0	U	0.13	1.0
Carbon tetrachloride	0.20	U	0.11	0.20
2,2,4-Trimethylpentane	1.0	U	0.14	1.0
Benzene	0.28	J	0.095	1.0
1,2-Dichloroethane	1.0	U	0.085	1.0
Heptane	1.0	U	0.23	1.0
Trichloroethene	4.4		0.12	0.20
Methyl methacrylate	2.5	U	0.15	2.5
1,2-Dichloropropane	1.0	U	0.16	1.0
1,4-Dioxane	25	U	1.0	25
Bromodichloromethane	1.0	U	0.085	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
methyl isobutyl ketone	2.5	U	0.14	2.5
Toluene	0.36	J	0.085	1.0
trans-1,3-Dichloropropene	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.085	1.0
Tetrachloroethene	10		0.080	1.0

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-2**

Lab Sample ID: 200-20861-2
Client Matrix: Air

Date Sampled: 02/07/2014 1012
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6163_19.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	02/15/2014 0741			Final Weight/Volume:	200 mL
Prep Date:	02/15/2014 0741			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	2.5	U	1.0	2.5
Dibromochloromethane	1.0	U	0.10	1.0
1,2-Dibromoethane	1.0	U	0.10	1.0
Chlorobenzene	1.0	U	0.041	1.0
Ethylbenzene	1.0	U	0.065	1.0
m,p-Xylene	2.5	U	0.12	2.5
Xylene, o-	1.0	U	0.080	1.0
Xylene (total)	1.0	U	0.17	1.0
Styrene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.050	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.080	1.0
n-Propylbenzene	1.0	U	0.40	1.0
4-Ethyltoluene	1.0	U	0.090	1.0
1,3,5-Trimethylbenzene	1.0	U	0.060	1.0
2-Chlorotoluene	1.0	U	0.065	1.0
tert-Butylbenzene	1.0	U	0.085	1.0
1,2,4-Trimethylbenzene	1.0	U	0.070	1.0
sec-Butylbenzene	1.0	U	0.40	1.0
4-Isopropyltoluene	1.0	U	0.40	1.0
1,3-Dichlorobenzene	1.0	U	0.070	1.0
1,4-Dichlorobenzene	1.0	U	0.070	1.0
Benzyl chloride	1.0	U	0.40	1.0
n-Butylbenzene	1.0	U	0.40	1.0
1,2-Dichlorobenzene	1.0	U	0.070	1.0
1,2,4-Trichlorobenzene	2.5	U *	0.14	2.5
Hexachloro-1,3-butadiene	1.0	U	0.11	1.0
Naphthalene	2.5	U ^ *	1.0	2.5

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	42		0.74	12
Freon 22	1.6	J	0.85	8.8
Freon-114	7.0	U	1.2	7.0
Chloromethane	5.2	U	1.4	5.2
n-Butane	5.9	U	3.4	5.9
Vinyl chloride	0.51	U	0.49	0.51
1,3-Butadiene	2.2	U	0.46	2.2
Bromomethane	3.9	U	0.54	3.9
Chloroethane	6.6	U	0.40	6.6
Vinyl bromide	4.4	U	0.66	4.4
Freon 11	9.4		0.84	5.6
Freon 113	7.7	U	0.69	7.7
1,1-Dichloroethene	4.0	U	0.48	4.0
Acetone	59	U	15	59
Isopropyl alcohol	350		2.6	61
Carbon disulfide	7.8	U	1.0	7.8
Allyl chloride	7.8	U	0.53	7.8

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-2**

Lab Sample ID: 200-20861-2
Client Matrix: Air

Date Sampled: 02/07/2014 1012
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6163_19.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	02/15/2014 0741			Final Weight/Volume:	200 mL
Prep Date:	02/15/2014 0741			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	4.9	J	2.2	8.7
tert-Butyl alcohol	76	U	5.0	76
Methyl tert-butyl ether	3.6	U	0.40	3.6
trans-1,2-Dichloroethene	4.0	U	0.57	4.0
Hexane	1.8	J	0.60	3.5
1,1-Dichloroethane	4.0	U	0.77	4.0
Methyl Ethyl Ketone	7.4	U	3.6	7.4
cis-1,2-Dichloroethene	4.0	U	0.75	4.0
1,2-Dichloroethene, Total	4.0	U	1.3	4.0
Chloroform	2.1	J	0.61	4.9
Tetrahydrofuran	74	U	0.68	74
1,1,1-Trichloroethane	18		0.57	5.5
Cyclohexane	3.4	U	0.43	3.4
Carbon tetrachloride	1.3	U	0.66	1.3
2,2,4-Trimethylpentane	4.7	U	0.63	4.7
Benzene	0.89	J	0.30	3.2
1,2-Dichloroethane	4.0	U	0.34	4.0
Heptane	4.1	U	0.94	4.1
Trichloroethene	24		0.64	1.1
Methyl methacrylate	10	U	0.61	10
1,2-Dichloropropane	4.6	U	0.74	4.6
1,4-Dioxane	90	U	3.6	90
Bromodichloromethane	6.7	U	0.57	6.7
cis-1,3-Dichloropropene	4.5	U	0.64	4.5
methyl isobutyl ketone	10	U	0.55	10
Toluene	1.4	J	0.32	3.8
trans-1,3-Dichloropropene	4.5	U	0.50	4.5
1,1,2-Trichloroethane	5.5	U	0.46	5.5
Tetrachloroethene	69		0.54	6.8
Methyl Butyl Ketone (2-Hexanone)	10	U	4.1	10
Dibromochloromethane	8.5	U	0.85	8.5
1,2-Dibromoethane	7.7	U	0.77	7.7
Chlorobenzene	4.6	U	0.19	4.6
Ethylbenzene	4.3	U	0.28	4.3
m,p-Xylene	11	U	0.50	11
Xylene, o-	4.3	U	0.35	4.3
Xylene (total)	4.3	U	0.74	4.3
Styrene	4.3	U	0.38	4.3
Bromoform	10	U	0.52	10
1,1,2,2-Tetrachloroethane	6.9	U	0.55	6.9
n-Propylbenzene	4.9	U	2.0	4.9
4-Ethyltoluene	4.9	U	0.44	4.9
1,3,5-Trimethylbenzene	4.9	U	0.29	4.9
2-Chlorotoluene	5.2	U	0.34	5.2
tert-Butylbenzene	5.5	U	0.47	5.5
1,2,4-Trimethylbenzene	4.9	U	0.34	4.9

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-2**

Lab Sample ID: 200-20861-2
Client Matrix: Air

Date Sampled: 02/07/2014 1012
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6163_19.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	02/15/2014 0741			Final Weight/Volume:	200 mL
Prep Date:	02/15/2014 0741			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	5.5	U	2.2	5.5
4-Isopropyltoluene	5.5	U	2.2	5.5
1,3-Dichlorobenzene	6.0	U	0.42	6.0
1,4-Dichlorobenzene	6.0	U	0.42	6.0
Benzyl chloride	5.2	U	2.1	5.2
n-Butylbenzene	5.5	U	2.2	5.5
1,2-Dichlorobenzene	6.0	U	0.42	6.0
1,2,4-Trichlorobenzene	19	U *	1.0	19
Hexachloro-1,3-butadiene	11	U	1.2	11
Naphthalene	13	U ^ *	5.2	13

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-3**

Lab Sample ID: 200-20861-3
Client Matrix: Air

Date Sampled: 02/07/2014 0945
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6163_20.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/15/2014 0834			Final Weight/Volume:	200 mL
Prep Date:	02/15/2014 0834			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.64		0.030	0.50
Freon 22	0.55		0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.54		0.14	0.50
n-Butane	0.73		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.29		0.030	0.20
Freon 113	0.19	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.6		1.3	5.0
Isopropyl alcohol	18		0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	1.4		0.034	0.50
Methylene Chloride	8.0		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.12	J	0.034	0.20
1,1-Dichloroethane	0.060	J	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.27		0.038	0.20
1,2-Dichloroethene, Total	0.27		0.064	0.20
Chloroform	0.28		0.025	0.20
Tetrahydrofuran	0.38	J	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.085		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.21		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.14	J	0.046	0.20
Trichloroethene	5.6		0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.29		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	3.4		0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-3**

Lab Sample ID: 200-20861-3
Client Matrix: Air

Date Sampled: 02/07/2014 0945
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6163_20.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/15/2014 0834			Final Weight/Volume:	200 mL
Prep Date:	02/15/2014 0834			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.072	J	0.013	0.20
m,p-Xylene	0.17	J	0.023	0.50
Xylene, o-	0.084	J	0.016	0.20
Xylene (total)	0.25		0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.081	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.077	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U *	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U ^ *	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	3.2		0.15	2.5
Freon 22	1.9		0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.1		0.28	1.0
n-Butane	1.7		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.6		0.17	1.1
Freon 113	1.4	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	13		3.0	12
Isopropyl alcohol	44		0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	4.5		0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-3**

Lab Sample ID: 200-20861-3
Client Matrix: Air

Date Sampled: 02/07/2014 0945
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6163_20.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/15/2014 0834			Final Weight/Volume:	200 mL
Prep Date:	02/15/2014 0834			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	28		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.44	J	0.12	0.70
1,1-Dichloroethane	0.24	J	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	1.1		0.15	0.79
1,2-Dichloroethene, Total	1.1		0.25	0.79
Chloroform	1.3		0.12	0.98
Tetrahydrofuran	1.1	J	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.53		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.66		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.55	J	0.19	0.82
Trichloroethene	30		0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	1.1		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	23		0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.31	J	0.056	0.87
m,p-Xylene	0.72	J	0.10	2.2
Xylene, o-	0.36	J	0.069	0.87
Xylene (total)	1.1		0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.40	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.38	J	0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-3**

Lab Sample ID: 200-20861-3
Client Matrix: Air

Date Sampled: 02/07/2014 0945
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6163_20.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/15/2014 0834			Final Weight/Volume:	200 mL
Prep Date:	02/15/2014 0834			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U *	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U ^ *	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-4**

Lab Sample ID: 200-20861-4
Client Matrix: Air

Date Sampled: 02/07/2014 0957
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6163_21.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/15/2014 0926			Final Weight/Volume:	200 mL
Prep Date:	02/15/2014 0926			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.65		0.030	0.50
Freon 22	0.46	J	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.64		0.14	0.50
n-Butane	1.8		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.13	J	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.44		0.030	0.20
Freon 113	0.16	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	7.4		1.3	5.0
Isopropyl alcohol	29		0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	5.4		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.10	J	0.029	0.20
Hexane	0.56		0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.54		0.038	0.20
1,2-Dichloroethene, Total	0.64		0.064	0.20
Chloroform	0.25		0.025	0.20
Tetrahydrofuran	0.23	J	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20		0.025	0.20
Carbon tetrachloride	0.094		0.021	0.040
2,2,4-Trimethylpentane	0.26		0.027	0.20
Benzene	0.27		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.32		0.046	0.20
Trichloroethene	3.0		0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.62		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	35		0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-4**

Lab Sample ID: 200-20861-4
Client Matrix: Air

Date Sampled: 02/07/2014 0957
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6163_21.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/15/2014 0926			Final Weight/Volume:	200 mL
Prep Date:	02/15/2014 0926			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.070	J	0.0081	0.20
Ethylbenzene	0.34		0.013	0.20
m,p-Xylene	0.41	J	0.023	0.50
Xylene, o-	0.68		0.016	0.20
Xylene (total)	1.1		0.034	0.20
Styrene	0.16	J	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.11	J	0.080	0.20
4-Ethyltoluene	0.14	J	0.018	0.20
1,3,5-Trimethylbenzene	0.51		0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.22		0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.22		0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U *	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U ^ *	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	3.2		0.15	2.5
Freon 22	1.6	J	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.3		0.28	1.0
n-Butane	4.3		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.28	J	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	2.4		0.17	1.1
Freon 113	1.2	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	18		3.0	12
Isopropyl alcohol	72		0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-4**

Lab Sample ID: 200-20861-4
Client Matrix: Air

Date Sampled: 02/07/2014 0957
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6163_21.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/15/2014 0926			Final Weight/Volume:	200 mL
Prep Date:	02/15/2014 0926			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	19		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.40	J	0.11	0.79
Hexane	2.0		0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	2.1		0.15	0.79
1,2-Dichloroethene, Total	2.5		0.25	0.79
Chloroform	1.2		0.12	0.98
Tetrahydrofuran	0.67	J	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69		0.086	0.69
Carbon tetrachloride	0.59		0.13	0.25
2,2,4-Trimethylpentane	1.2		0.13	0.93
Benzene	0.87		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	1.3		0.19	0.82
Trichloroethene	16		0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	2.3		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	240		0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.32	J	0.037	0.92
Ethylbenzene	1.5		0.056	0.87
m,p-Xylene	1.8	J	0.10	2.2
Xylene, o-	2.9		0.069	0.87
Xylene (total)	4.7		0.15	0.87
Styrene	0.67	J	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.52	J	0.39	0.98
4-Ethyltoluene	0.70	J	0.088	0.98
1,3,5-Trimethylbenzene	2.5		0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	1.1		0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-4**

Lab Sample ID: 200-20861-4
Client Matrix: Air

Date Sampled: 02/07/2014 0957
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6163_21.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/15/2014 0926			Final Weight/Volume:	200 mL
Prep Date:	02/15/2014 0926			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.2		0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U *	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U ^ *	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-5**

Lab Sample ID: 200-20861-5
Client Matrix: Air

Date Sampled: 02/07/2014 0931
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6163_22.D
Dilution:	6.9			Initial Weight/Volume:	29 mL
Analysis Date:	02/15/2014 1017			Final Weight/Volume:	200 mL
Prep Date:	02/15/2014 1017			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.62	J	0.21	3.5
Freon 22	3.1	J	0.33	3.5
Freon-114	1.4	U	0.24	1.4
Chloromethane	3.5	U	0.94	3.5
n-Butane	3.5	U	1.9	3.5
Vinyl chloride	0.28	U	0.26	0.28
1,3-Butadiene	1.4	U	0.29	1.4
Bromomethane	1.4	U	0.19	1.4
Chloroethane	3.5	U	0.21	3.5
Vinyl bromide	1.4	U	0.21	1.4
Freon 11	1.4	U	0.21	1.4
Freon 113	1.4	U	0.12	1.4
1,1-Dichloroethene	1.4	U	0.17	1.4
Acetone	35	U	8.6	35
Isopropyl alcohol	110		1.5	35
Carbon disulfide	3.5	U	0.46	3.5
Allyl chloride	3.5	U	0.23	3.5
Methylene Chloride	80		0.86	3.5
tert-Butyl alcohol	35	U	2.3	35
Methyl tert-butyl ether	1.4	U	0.15	1.4
trans-1,2-Dichloroethene	1.4	U	0.20	1.4
Hexane	1.4	U	0.23	1.4
1,1-Dichloroethane	1.4	U	0.26	1.4
Methyl Ethyl Ketone	3.5	U	1.7	3.5
cis-1,2-Dichloroethene	1.4	U	0.26	1.4
1,2-Dichloroethene, Total	1.4	U	0.44	1.4
Chloroform	4.9		0.17	1.4
Tetrahydrofuran	2.6	J	0.32	35
1,1,1-Trichloroethane	1.4	U	0.14	1.4
Cyclohexane	1.4	U	0.17	1.4
Carbon tetrachloride	0.28	U	0.14	0.28
2,2,4-Trimethylpentane	1.4	U	0.19	1.4
Benzene	1.4	U	0.13	1.4
1,2-Dichloroethane	1.4	U	0.12	1.4
Heptane	1.4	U	0.32	1.4
Trichloroethene	2.7		0.17	0.28
Methyl methacrylate	3.5	U	0.21	3.5
1,2-Dichloropropane	1.4	U	0.22	1.4
1,4-Dioxane	35	U	1.4	35
Bromodichloromethane	1.4	U	0.12	1.4
cis-1,3-Dichloropropene	1.4	U	0.19	1.4
methyl isobutyl ketone	3.5	U	0.19	3.5
Toluene	0.83	J	0.12	1.4
trans-1,3-Dichloropropene	1.4	U	0.15	1.4
1,1,2-Trichloroethane	1.4	U	0.12	1.4
Tetrachloroethene	1.1	J	0.11	1.4

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-5**

Lab Sample ID: 200-20861-5
Client Matrix: Air

Date Sampled: 02/07/2014 0931
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6163_22.D
Dilution:	6.9			Initial Weight/Volume:	29 mL
Analysis Date:	02/15/2014 1017			Final Weight/Volume:	200 mL
Prep Date:	02/15/2014 1017			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	3.5	U	1.4	3.5
Dibromochloromethane	1.4	U	0.14	1.4
1,2-Dibromoethane	1.4	U	0.14	1.4
Chlorobenzene	1.4	U	0.056	1.4
Ethylbenzene	1.4	U	0.090	1.4
m,p-Xylene	0.73	J	0.16	3.5
Xylene, o-	0.22	J	0.11	1.4
Xylene (total)	0.95	J	0.23	1.4
Styrene	1.4	U	0.12	1.4
Bromoform	1.4	U	0.069	1.4
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	1.4	U	0.55	1.4
4-Ethyltoluene	1.4	U	0.12	1.4
1,3,5-Trimethylbenzene	1.4	U	0.083	1.4
2-Chlorotoluene	1.4	U	0.090	1.4
tert-Butylbenzene	1.4	U	0.12	1.4
1,2,4-Trimethylbenzene	1.4	U	0.097	1.4
sec-Butylbenzene	1.4	U	0.55	1.4
4-Isopropyltoluene	1.4	U	0.55	1.4
1,3-Dichlorobenzene	1.4	U	0.097	1.4
1,4-Dichlorobenzene	1.4	U	0.097	1.4
Benzyl chloride	1.4	U	0.55	1.4
n-Butylbenzene	1.4	U	0.55	1.4
1,2-Dichlorobenzene	1.4	U	0.097	1.4
1,2,4-Trichlorobenzene	3.5	U *	0.19	3.5
Hexachloro-1,3-butadiene	1.4	U	0.15	1.4
Naphthalene	3.5	U ^ *	1.4	3.5

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	3.1	J	1.0	17
Freon 22	11	J	1.2	12
Freon-114	9.6	U	1.7	9.6
Chloromethane	7.1	U	1.9	7.1
n-Butane	8.2	U	4.6	8.2
Vinyl chloride	0.71	U	0.67	0.71
1,3-Butadiene	3.1	U	0.64	3.1
Bromomethane	5.4	U	0.75	5.4
Chloroethane	9.1	U	0.55	9.1
Vinyl bromide	6.0	U	0.91	6.0
Freon 11	7.8	U	1.2	7.8
Freon 113	11	U	0.95	11
1,1-Dichloroethene	5.5	U	0.66	5.5
Acetone	82	U	21	82
Isopropyl alcohol	260		3.6	85
Carbon disulfide	11	U	1.4	11
Allyl chloride	11	U	0.73	11

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-5**

Lab Sample ID: 200-20861-5
Client Matrix: Air

Date Sampled: 02/07/2014 0931
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6163_22.D
Dilution:	6.9			Initial Weight/Volume:	29 mL
Analysis Date:	02/15/2014 1017			Final Weight/Volume:	200 mL
Prep Date:	02/15/2014 1017			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	280		3.0	12
tert-Butyl alcohol	100	U	6.9	100
Methyl tert-butyl ether	5.0	U	0.55	5.0
trans-1,2-Dichloroethene	5.5	U	0.79	5.5
Hexane	4.9	U	0.83	4.9
1,1-Dichloroethane	5.6	U	1.1	5.6
Methyl Ethyl Ketone	10	U	4.9	10
cis-1,2-Dichloroethene	5.5	U	1.0	5.5
1,2-Dichloroethene, Total	5.5	U	1.8	5.5
Chloroform	24		0.84	6.7
Tetrahydrofuran	7.6	J	0.94	100
1,1,1-Trichloroethane	7.5	U	0.79	7.5
Cyclohexane	4.8	U	0.59	4.8
Carbon tetrachloride	1.7	U	0.91	1.7
2,2,4-Trimethylpentane	6.4	U	0.87	6.4
Benzene	4.4	U	0.42	4.4
1,2-Dichloroethane	5.6	U	0.47	5.6
Heptane	5.7	U	1.3	5.7
Trichloroethene	14		0.89	1.5
Methyl methacrylate	14	U	0.85	14
1,2-Dichloropropane	6.4	U	1.0	6.4
1,4-Dioxane	120	U	5.0	120
Bromodichloromethane	9.2	U	0.79	9.2
cis-1,3-Dichloropropene	6.3	U	0.88	6.3
methyl isobutyl ketone	14	U	0.76	14
Toluene	3.1	J	0.44	5.2
trans-1,3-Dichloropropene	6.3	U	0.69	6.3
1,1,2-Trichloroethane	7.5	U	0.64	7.5
Tetrachloroethene	7.6	J	0.75	9.4
Methyl Butyl Ketone (2-Hexanone)	14	U	5.7	14
Dibromochloromethane	12	U	1.2	12
1,2-Dibromoethane	11	U	1.1	11
Chlorobenzene	6.4	U	0.26	6.4
Ethylbenzene	6.0	U	0.39	6.0
m,p-Xylene	3.2	J	0.69	15
Xylene, o-	0.95	J	0.48	6.0
Xylene (total)	4.1	J	1.0	6.0
Styrene	5.9	U	0.53	5.9
Bromoform	14	U	0.71	14
1,1,2,2-Tetrachloroethane	9.5	U	0.76	9.5
n-Propylbenzene	6.8	U	2.7	6.8
4-Ethyltoluene	6.8	U	0.61	6.8
1,3,5-Trimethylbenzene	6.8	U	0.41	6.8
2-Chlorotoluene	7.1	U	0.46	7.1
tert-Butylbenzene	7.6	U	0.64	7.6
1,2,4-Trimethylbenzene	6.8	U	0.47	6.8

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-5**

Lab Sample ID: 200-20861-5
Client Matrix: Air

Date Sampled: 02/07/2014 0931
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6163_22.D
Dilution:	6.9			Initial Weight/Volume:	29 mL
Analysis Date:	02/15/2014 1017			Final Weight/Volume:	200 mL
Prep Date:	02/15/2014 1017			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	7.6	U	3.0	7.6
4-Isopropyltoluene	7.6	U	3.0	7.6
1,3-Dichlorobenzene	8.3	U	0.58	8.3
1,4-Dichlorobenzene	8.3	U	0.58	8.3
Benzyl chloride	7.1	U	2.9	7.1
n-Butylbenzene	7.6	U	3.0	7.6
1,2-Dichlorobenzene	8.3	U	0.58	8.3
1,2,4-Trichlorobenzene	26	U *	1.4	26
Hexachloro-1,3-butadiene	15	U	1.6	15
Naphthalene	18	U ^ *	7.2	18

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-6**

Lab Sample ID: 200-20861-6
Client Matrix: Air

Date Sampled: 02/07/2014 0921
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6208_07.D
Dilution:	22			Initial Weight/Volume:	167 mL
Analysis Date:	02/18/2014 1736			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1736			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	11	U	0.66	11
Freon 22	1.9	J	1.1	11
Freon-114	4.4	U	0.77	4.4
Chloromethane	11	U	3.0	11
n-Butane	11	U	6.2	11
Vinyl chloride	0.88	U	0.84	0.88
1,3-Butadiene	4.4	U	0.92	4.4
Bromomethane	4.4	U	0.62	4.4
Chloroethane	11	U	0.66	11
Vinyl bromide	4.4	U	0.66	4.4
Freon 11	4.4	U	0.66	4.4
Freon 113	4.4	U	0.40	4.4
1,1-Dichloroethene	4.4	U	0.53	4.4
Acetone	110	U	28	110
Isopropyl alcohol	760		4.7	110
Carbon disulfide	11	U	1.5	11
Allyl chloride	11	U	0.75	11
Methylene Chloride	170		2.8	11
tert-Butyl alcohol	110	U	7.2	110
Methyl tert-butyl ether	4.4	U	0.48	4.4
trans-1,2-Dichloroethene	4.4	U	0.64	4.4
Hexane	4.4	U	0.75	4.4
1,1-Dichloroethane	4.4	U	0.84	4.4
Methyl Ethyl Ketone	11	U	5.3	11
cis-1,2-Dichloroethene	4.4	U	0.84	4.4
1,2-Dichloroethene, Total	4.4	U	1.4	4.4
Chloroform	10		0.55	4.4
Tetrahydrofuran	14	J	1.0	110
1,1,1-Trichloroethane	4.4	U	0.46	4.4
Cyclohexane	4.4	U	0.55	4.4
Carbon tetrachloride	0.88	U	0.46	0.88
2,2,4-Trimethylpentane	4.4	U	0.59	4.4
Benzene	4.4	U	0.42	4.4
1,2-Dichloroethane	4.4	U	0.37	4.4
Heptane	4.4	U	1.0	4.4
Trichloroethene	0.80	J	0.53	0.88
Methyl methacrylate	11	U	0.66	11
1,2-Dichloropropane	4.4	U	0.70	4.4
1,4-Dioxane	110	U	4.4	110
Bromodichloromethane	4.4	U	0.37	4.4
cis-1,3-Dichloropropene	4.4	U	0.62	4.4
methyl isobutyl ketone	11	U	0.59	11
Toluene	3.8	J	0.37	4.4
trans-1,3-Dichloropropene	4.4	U	0.48	4.4
1,1,2-Trichloroethane	4.4	U	0.37	4.4
Tetrachloroethene	2.7	J	0.35	4.4

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-6**

Lab Sample ID: 200-20861-6
Client Matrix: Air

Date Sampled: 02/07/2014 0921
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6208_07.D
Dilution:	22			Initial Weight/Volume:	167 mL
Analysis Date:	02/18/2014 1736			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1736			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	11	U	4.4	11
Dibromochloromethane	4.4	U	0.44	4.4
1,2-Dibromoethane	4.4	U	0.44	4.4
Chlorobenzene	4.4	U	0.18	4.4
Ethylbenzene	4.4	U	0.29	4.4
m,p-Xylene	11	U	0.51	11
Xylene, o-	4.4	U	0.35	4.4
Xylene (total)	4.4	U	0.75	4.4
Styrene	4.4	U	0.40	4.4
Bromoform	4.4	U	0.22	4.4
1,1,2,2-Tetrachloroethane	4.4	U	0.35	4.4
n-Propylbenzene	4.4	U	1.8	4.4
4-Ethyltoluene	4.4	U	0.40	4.4
1,3,5-Trimethylbenzene	4.4	U	0.26	4.4
2-Chlorotoluene	4.4	U	0.29	4.4
tert-Butylbenzene	4.4	U	0.37	4.4
1,2,4-Trimethylbenzene	4.4	U	0.31	4.4
sec-Butylbenzene	4.4	U	1.8	4.4
4-Isopropyltoluene	4.4	U	1.8	4.4
1,3-Dichlorobenzene	4.4	U	0.31	4.4
1,4-Dichlorobenzene	4.4	U	0.31	4.4
Benzyl chloride	4.4	U	1.8	4.4
n-Butylbenzene	4.4	U	1.8	4.4
1,2-Dichlorobenzene	4.4	U	0.31	4.4
1,2,4-Trichlorobenzene	11	U *	0.59	11
Hexachloro-1,3-butadiene	4.4	U	0.48	4.4
Naphthalene	11	U ^ *	4.4	11

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	54	U	3.3	54
Freon 22	6.7	J	3.7	39
Freon-114	31	U	5.4	31
Chloromethane	23	U	6.2	23
n-Butane	26	U	15	26
Vinyl chloride	2.2	U	2.1	2.2
1,3-Butadiene	9.7	U	2.0	9.7
Bromomethane	17	U	2.4	17
Chloroethane	29	U	1.7	29
Vinyl bromide	19	U	2.9	19
Freon 11	25	U	3.7	25
Freon 113	34	U	3.0	34
1,1-Dichloroethene	17	U	2.1	17
Acetone	260	U	65	260
Isopropyl alcohol	1900		12	270
Carbon disulfide	34	U	4.5	34
Allyl chloride	34	U	2.3	34

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-6**

Lab Sample ID: 200-20861-6
Client Matrix: Air

Date Sampled: 02/07/2014 0921
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6208_07.D
Dilution:	22			Initial Weight/Volume:	167 mL
Analysis Date:	02/18/2014 1736			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1736			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	590		9.6	38
tert-Butyl alcohol	330	U	22	330
Methyl tert-butyl ether	16	U	1.7	16
trans-1,2-Dichloroethene	17	U	2.5	17
Hexane	16	U	2.6	16
1,1-Dichloroethane	18	U	3.4	18
Methyl Ethyl Ketone	32	U	16	32
cis-1,2-Dichloroethene	17	U	3.3	17
1,2-Dichloroethene, Total	17	U	5.6	17
Chloroform	50		2.7	21
Tetrahydrofuran	42	J	3.0	320
1,1,1-Trichloroethane	24	U	2.5	24
Cyclohexane	15	U	1.9	15
Carbon tetrachloride	5.5	U	2.9	5.5
2,2,4-Trimethylpentane	21	U	2.8	21
Benzene	14	U	1.3	14
1,2-Dichloroethane	18	U	1.5	18
Heptane	18	U	4.1	18
Trichloroethene	4.3	J	2.8	4.7
Methyl methacrylate	45	U	2.7	45
1,2-Dichloropropane	20	U	3.3	20
1,4-Dioxane	400	U	16	400
Bromodichloromethane	29	U	2.5	29
cis-1,3-Dichloropropene	20	U	2.8	20
methyl isobutyl ketone	45	U	2.4	45
Toluene	14	J	1.4	17
trans-1,3-Dichloropropene	20	U	2.2	20
1,1,2-Trichloroethane	24	U	2.0	24
Tetrachloroethene	18	J	2.4	30
Methyl Butyl Ketone (2-Hexanone)	45	U	18	45
Dibromochloromethane	37	U	3.7	37
1,2-Dibromoethane	34	U	3.4	34
Chlorobenzene	20	U	0.82	20
Ethylbenzene	19	U	1.2	19
m,p-Xylene	48	U	2.2	48
Xylene, o-	19	U	1.5	19
Xylene (total)	19	U	3.2	19
Styrene	19	U	1.7	19
Bromoform	45	U	2.3	45
1,1,2,2-Tetrachloroethane	30	U	2.4	30
n-Propylbenzene	22	U	8.7	22
4-Ethyltoluene	22	U	1.9	22
1,3,5-Trimethylbenzene	22	U	1.3	22
2-Chlorotoluene	23	U	1.5	23
tert-Butylbenzene	24	U	2.1	24
1,2,4-Trimethylbenzene	22	U	1.5	22

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-6**

Lab Sample ID: 200-20861-6
Client Matrix: Air

Date Sampled: 02/07/2014 0921
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6208_07.D
Dilution:	22			Initial Weight/Volume:	167 mL
Analysis Date:	02/18/2014 1736			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1736			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	24	U	9.7	24
4-Isopropyltoluene	24	U	9.7	24
1,3-Dichlorobenzene	26	U	1.9	26
1,4-Dichlorobenzene	26	U	1.9	26
Benzyl chloride	23	U	9.1	23
n-Butylbenzene	24	U	9.7	24
1,2-Dichlorobenzene	26	U	1.9	26
1,2,4-Trichlorobenzene	82	U *	4.4	82
Hexachloro-1,3-butadiene	47	U	5.2	47
Naphthalene	58	U ^ *	23	58

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-7**

Lab Sample ID: 200-20861-7
Client Matrix: Air

Date Sampled: 02/07/2014 0913
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6208_08.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	02/18/2014 1828			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1828			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.63	J	0.15	2.5
Freon 22	0.57	J	0.24	2.5
Freon-114	1.0	U	0.18	1.0
Chloromethane	2.5	U	0.68	2.5
n-Butane	2.5	U	1.4	2.5
Vinyl chloride	0.20	U	0.19	0.20
1,3-Butadiene	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.14	1.0
Chloroethane	2.5	U	0.15	2.5
Vinyl bromide	1.0	U	0.15	1.0
Freon 11	1.0	U	0.15	1.0
Freon 113	1.0	U	0.090	1.0
1,1-Dichloroethene	1.0	U	0.12	1.0
Acetone	25	U	6.3	25
Isopropyl alcohol	160		1.1	25
Carbon disulfide	2.5	U	0.33	2.5
Allyl chloride	2.5	U	0.17	2.5
Methylene Chloride	28		0.63	2.5
tert-Butyl alcohol	25	U	1.6	25
Methyl tert-butyl ether	1.0	U	0.11	1.0
trans-1,2-Dichloroethene	1.0	U	0.15	1.0
Hexane	1.0	U	0.17	1.0
1,1-Dichloroethane	1.0	U	0.19	1.0
Methyl Ethyl Ketone	2.5	U	1.2	2.5
cis-1,2-Dichloroethene	1.0	U	0.19	1.0
1,2-Dichloroethene, Total	1.0	U	0.32	1.0
Chloroform	1.5		0.13	1.0
Tetrahydrofuran	8.7	J	0.23	25
1,1,1-Trichloroethane	1.0	U	0.11	1.0
Cyclohexane	1.0	U	0.13	1.0
Carbon tetrachloride	0.20	U	0.11	0.20
2,2,4-Trimethylpentane	1.0	U	0.14	1.0
Benzene	1.0	U	0.095	1.0
1,2-Dichloroethane	1.0	U	0.085	1.0
Heptane	1.0	U	0.23	1.0
Trichloroethene	0.48		0.12	0.20
Methyl methacrylate	2.5	U	0.15	2.5
1,2-Dichloropropane	1.0	U	0.16	1.0
1,4-Dioxane	25	U	1.0	25
Bromodichloromethane	1.0	U	0.085	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
methyl isobutyl ketone	2.5	U	0.14	2.5
Toluene	0.38	J	0.085	1.0
trans-1,3-Dichloropropene	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.085	1.0
Tetrachloroethene	0.44	J	0.080	1.0

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-7**

Lab Sample ID: 200-20861-7
Client Matrix: Air

Date Sampled: 02/07/2014 0913
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6208_08.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	02/18/2014 1828			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1828			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	2.5	U	1.0	2.5
Dibromochloromethane	1.0	U	0.10	1.0
1,2-Dibromoethane	1.0	U	0.10	1.0
Chlorobenzene	1.0	U	0.041	1.0
Ethylbenzene	1.0	U	0.065	1.0
m,p-Xylene	2.5	U	0.12	2.5
Xylene, o-	1.0	U	0.080	1.0
Xylene (total)	1.0	U	0.17	1.0
Styrene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.050	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.080	1.0
n-Propylbenzene	1.0	U	0.40	1.0
4-Ethyltoluene	1.0	U	0.090	1.0
1,3,5-Trimethylbenzene	1.0	U	0.060	1.0
2-Chlorotoluene	1.0	U	0.065	1.0
tert-Butylbenzene	1.0	U	0.085	1.0
1,2,4-Trimethylbenzene	1.0	U	0.070	1.0
sec-Butylbenzene	1.0	U	0.40	1.0
4-Isopropyltoluene	1.0	U	0.40	1.0
1,3-Dichlorobenzene	1.0	U	0.070	1.0
1,4-Dichlorobenzene	1.0	U	0.070	1.0
Benzyl chloride	1.0	U	0.40	1.0
n-Butylbenzene	1.0	U	0.40	1.0
1,2-Dichlorobenzene	1.0	U	0.070	1.0
1,2,4-Trichlorobenzene	2.5	U *	0.14	2.5
Hexachloro-1,3-butadiene	1.0	U	0.11	1.0
Naphthalene	2.5	U ^ *	1.0	2.5

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	3.1	J	0.74	12
Freon 22	2.0	J	0.85	8.8
Freon-114	7.0	U	1.2	7.0
Chloromethane	5.2	U	1.4	5.2
n-Butane	5.9	U	3.4	5.9
Vinyl chloride	0.51	U	0.49	0.51
1,3-Butadiene	2.2	U	0.46	2.2
Bromomethane	3.9	U	0.54	3.9
Chloroethane	6.6	U	0.40	6.6
Vinyl bromide	4.4	U	0.66	4.4
Freon 11	5.6	U	0.84	5.6
Freon 113	7.7	U	0.69	7.7
1,1-Dichloroethene	4.0	U	0.48	4.0
Acetone	59	U	15	59
Isopropyl alcohol	400		2.6	61
Carbon disulfide	7.8	U	1.0	7.8
Allyl chloride	7.8	U	0.53	7.8

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-7**

Lab Sample ID: 200-20861-7
Client Matrix: Air

Date Sampled: 02/07/2014 0913
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6208_08.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	02/18/2014 1828			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1828			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	99		2.2	8.7
tert-Butyl alcohol	76	U	5.0	76
Methyl tert-butyl ether	3.6	U	0.40	3.6
trans-1,2-Dichloroethene	4.0	U	0.57	4.0
Hexane	3.5	U	0.60	3.5
1,1-Dichloroethane	4.0	U	0.77	4.0
Methyl Ethyl Ketone	7.4	U	3.6	7.4
cis-1,2-Dichloroethene	4.0	U	0.75	4.0
1,2-Dichloroethene, Total	4.0	U	1.3	4.0
Chloroform	7.5		0.61	4.9
Tetrahydrofuran	26	J	0.68	74
1,1,1-Trichloroethane	5.5	U	0.57	5.5
Cyclohexane	3.4	U	0.43	3.4
Carbon tetrachloride	1.3	U	0.66	1.3
2,2,4-Trimethylpentane	4.7	U	0.63	4.7
Benzene	3.2	U	0.30	3.2
1,2-Dichloroethane	4.0	U	0.34	4.0
Heptane	4.1	U	0.94	4.1
Trichloroethene	2.6		0.64	1.1
Methyl methacrylate	10	U	0.61	10
1,2-Dichloropropane	4.6	U	0.74	4.6
1,4-Dioxane	90	U	3.6	90
Bromodichloromethane	6.7	U	0.57	6.7
cis-1,3-Dichloropropene	4.5	U	0.64	4.5
methyl isobutyl ketone	10	U	0.55	10
Toluene	1.4	J	0.32	3.8
trans-1,3-Dichloropropene	4.5	U	0.50	4.5
1,1,2-Trichloroethane	5.5	U	0.46	5.5
Tetrachloroethene	3.0	J	0.54	6.8
Methyl Butyl Ketone (2-Hexanone)	10	U	4.1	10
Dibromochloromethane	8.5	U	0.85	8.5
1,2-Dibromoethane	7.7	U	0.77	7.7
Chlorobenzene	4.6	U	0.19	4.6
Ethylbenzene	4.3	U	0.28	4.3
m,p-Xylene	11	U	0.50	11
Xylene, o-	4.3	U	0.35	4.3
Xylene (total)	4.3	U	0.74	4.3
Styrene	4.3	U	0.38	4.3
Bromoform	10	U	0.52	10
1,1,2,2-Tetrachloroethane	6.9	U	0.55	6.9
n-Propylbenzene	4.9	U	2.0	4.9
4-Ethyltoluene	4.9	U	0.44	4.9
1,3,5-Trimethylbenzene	4.9	U	0.29	4.9
2-Chlorotoluene	5.2	U	0.34	5.2
tert-Butylbenzene	5.5	U	0.47	5.5
1,2,4-Trimethylbenzene	4.9	U	0.34	4.9

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-7**

Lab Sample ID: 200-20861-7
Client Matrix: Air

Date Sampled: 02/07/2014 0913
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6208_08.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	02/18/2014 1828			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1828			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	5.5	U	2.2	5.5
4-Isopropyltoluene	5.5	U	2.2	5.5
1,3-Dichlorobenzene	6.0	U	0.42	6.0
1,4-Dichlorobenzene	6.0	U	0.42	6.0
Benzyl chloride	5.2	U	2.1	5.2
n-Butylbenzene	5.5	U	2.2	5.5
1,2-Dichlorobenzene	6.0	U	0.42	6.0
1,2,4-Trichlorobenzene	19	U *	1.0	19
Hexachloro-1,3-butadiene	11	U	1.2	11
Naphthalene	13	U ^ *	5.2	13

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-8**

Lab Sample ID: 200-20861-8
Client Matrix: Air

Date Sampled: 02/07/2014 0903
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6208_09.D
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	02/18/2014 1920			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1920			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	1.4	J	0.12	2.0
Freon 22	1.1	J	0.19	2.0
Freon-114	0.80	U	0.14	0.80
Chloromethane	2.0	U	0.54	2.0
n-Butane	97		1.1	2.0
Vinyl chloride	0.16	U	0.15	0.16
1,3-Butadiene	0.80	U	0.17	0.80
Bromomethane	0.80	U	0.11	0.80
Chloroethane	2.0	U	0.12	2.0
Vinyl bromide	0.80	U	0.12	0.80
Freon 11	0.76	J	0.12	0.80
Freon 113	1.6		0.072	0.80
1,1-Dichloroethene	0.80	U	0.096	0.80
Acetone	10	J	5.0	20
Isopropyl alcohol	120		0.86	20
Carbon disulfide	2.0	U	0.26	2.0
Allyl chloride	2.0	U	0.14	2.0
Methylene Chloride	21		0.50	2.0
tert-Butyl alcohol	20	U	1.3	20
Methyl tert-butyl ether	0.80	U	0.088	0.80
trans-1,2-Dichloroethene	0.47	J	0.12	0.80
Hexane	0.80	U	0.14	0.80
1,1-Dichloroethane	0.48	J	0.15	0.80
Methyl Ethyl Ketone	2.0	U	0.97	2.0
cis-1,2-Dichloroethene	0.96		0.15	0.80
1,2-Dichloroethene, Total	1.4		0.26	0.80
Chloroform	16		0.10	0.80
Tetrahydrofuran	2.3	J	0.18	20
1,1,1-Trichloroethane	2.1		0.084	0.80
Cyclohexane	0.80	U	0.10	0.80
Carbon tetrachloride	0.16	U	0.084	0.16
2,2,4-Trimethylpentane	0.80	U	0.11	0.80
Benzene	0.18	J	0.076	0.80
1,2-Dichloroethane	0.80	U	0.068	0.80
Heptane	0.80	U	0.18	0.80
Trichloroethene	13		0.096	0.16
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.80	U	0.13	0.80
1,4-Dioxane	20	U	0.80	20
Bromodichloromethane	0.80	U	0.068	0.80
cis-1,3-Dichloropropene	0.80	U	0.11	0.80
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	1.1		0.068	0.80
trans-1,3-Dichloropropene	0.80	U	0.088	0.80
1,1,2-Trichloroethane	0.80	U	0.068	0.80
Tetrachloroethene	1.3		0.064	0.80

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-8**

Lab Sample ID: 200-20861-8
Client Matrix: Air

Date Sampled: 02/07/2014 0903
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6208_09.D
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	02/18/2014 1920			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1920			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.80	2.0
Dibromochloromethane	0.80	U	0.080	0.80
1,2-Dibromoethane	0.80	U	0.080	0.80
Chlorobenzene	0.80	U	0.032	0.80
Ethylbenzene	0.80	U	0.052	0.80
m,p-Xylene	2.0	U	0.092	2.0
Xylene, o-	0.80	U	0.064	0.80
Xylene (total)	0.80	U	0.14	0.80
Styrene	0.80	U	0.072	0.80
Bromoform	0.80	U	0.040	0.80
1,1,2,2-Tetrachloroethane	0.80	U	0.064	0.80
n-Propylbenzene	0.80	U	0.32	0.80
4-Ethyltoluene	0.80	U	0.072	0.80
1,3,5-Trimethylbenzene	0.80	U	0.048	0.80
2-Chlorotoluene	0.80	U	0.052	0.80
tert-Butylbenzene	0.80	U	0.068	0.80
1,2,4-Trimethylbenzene	0.80	U	0.056	0.80
sec-Butylbenzene	0.80	U	0.32	0.80
4-Isopropyltoluene	0.80	U	0.32	0.80
1,3-Dichlorobenzene	0.80	U	0.056	0.80
1,4-Dichlorobenzene	0.80	U	0.056	0.80
Benzyl chloride	0.80	U	0.32	0.80
n-Butylbenzene	0.80	U	0.32	0.80
1,2-Dichlorobenzene	0.80	U	0.056	0.80
1,2,4-Trichlorobenzene	2.0	U *	0.11	2.0
Hexachloro-1,3-butadiene	0.80	U	0.088	0.80
Naphthalene	2.0	U ^ *	0.80	2.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	7.1	J	0.59	9.9
Freon 22	3.9	J	0.68	7.1
Freon-114	5.6	U	0.98	5.6
Chloromethane	4.1	U	1.1	4.1
n-Butane	230		2.7	4.8
Vinyl chloride	0.41	U	0.39	0.41
1,3-Butadiene	1.8	U	0.37	1.8
Bromomethane	3.1	U	0.43	3.1
Chloroethane	5.3	U	0.32	5.3
Vinyl bromide	3.5	U	0.52	3.5
Freon 11	4.3	J	0.67	4.5
Freon 113	12		0.55	6.1
1,1-Dichloroethene	3.2	U	0.38	3.2
Acetone	24	J	12	48
Isopropyl alcohol	310		2.1	49
Carbon disulfide	6.2	U	0.82	6.2
Allyl chloride	6.3	U	0.43	6.3

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-8**

Lab Sample ID: 200-20861-8
Client Matrix: Air

Date Sampled: 02/07/2014 0903
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6208_09.D
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	02/18/2014 1920			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1920			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	74		1.7	6.9
tert-Butyl alcohol	61	U	4.0	61
Methyl tert-butyl ether	2.9	U	0.32	2.9
trans-1,2-Dichloroethene	1.8	J	0.46	3.2
Hexane	2.8	U	0.48	2.8
1,1-Dichloroethane	1.9	J	0.62	3.2
Methyl Ethyl Ketone	5.9	U	2.9	5.9
cis-1,2-Dichloroethene	3.8		0.60	3.2
1,2-Dichloroethene, Total	5.7		1.0	3.2
Chloroform	77		0.49	3.9
Tetrahydrofuran	6.6	J	0.54	59
1,1,1-Trichloroethane	11		0.46	4.4
Cyclohexane	2.8	U	0.34	2.8
Carbon tetrachloride	1.0	U	0.53	1.0
2,2,4-Trimethylpentane	3.7	U	0.50	3.7
Benzene	0.59	J	0.24	2.6
1,2-Dichloroethane	3.2	U	0.28	3.2
Heptane	3.3	U	0.75	3.3
Trichloroethene	67		0.52	0.86
Methyl methacrylate	8.2	U	0.49	8.2
1,2-Dichloropropane	3.7	U	0.59	3.7
1,4-Dioxane	72	U	2.9	72
Bromodichloromethane	5.4	U	0.46	5.4
cis-1,3-Dichloropropene	3.6	U	0.51	3.6
methyl isobutyl ketone	8.2	U	0.44	8.2
Toluene	4.0		0.26	3.0
trans-1,3-Dichloropropene	3.6	U	0.40	3.6
1,1,2-Trichloroethane	4.4	U	0.37	4.4
Tetrachloroethene	9.0		0.43	5.4
Methyl Butyl Ketone (2-Hexanone)	8.2	U	3.3	8.2
Dibromochloromethane	6.8	U	0.68	6.8
1,2-Dibromoethane	6.1	U	0.61	6.1
Chlorobenzene	3.7	U	0.15	3.7
Ethylbenzene	3.5	U	0.23	3.5
m,p-Xylene	8.7	U	0.40	8.7
Xylene, o-	3.5	U	0.28	3.5
Xylene (total)	3.5	U	0.59	3.5
Styrene	3.4	U	0.31	3.4
Bromoform	8.3	U	0.41	8.3
1,1,2,2-Tetrachloroethane	5.5	U	0.44	5.5
n-Propylbenzene	3.9	U	1.6	3.9
4-Ethyltoluene	3.9	U	0.35	3.9
1,3,5-Trimethylbenzene	3.9	U	0.24	3.9
2-Chlorotoluene	4.1	U	0.27	4.1
tert-Butylbenzene	4.4	U	0.37	4.4
1,2,4-Trimethylbenzene	3.9	U	0.28	3.9

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SDS-8**

Lab Sample ID: 200-20861-8
Client Matrix: Air

Date Sampled: 02/07/2014 0903
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6208_09.D
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	02/18/2014 1920			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1920			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	4.4	U	1.8	4.4
4-Isopropyltoluene	4.4	U	1.8	4.4
1,3-Dichlorobenzene	4.8	U	0.34	4.8
1,4-Dichlorobenzene	4.8	U	0.34	4.8
Benzyl chloride	4.1	U	1.7	4.1
n-Butylbenzene	4.4	U	1.8	4.4
1,2-Dichlorobenzene	4.8	U	0.34	4.8
1,2,4-Trichlorobenzene	15	U *	0.80	15
Hexachloro-1,3-butadiene	8.5	U	0.94	8.5
Naphthalene	10	U ^ *	4.2	10

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SSDS-MID-CARBON**

Lab Sample ID: 200-20861-9
Client Matrix: Air

Date Sampled: 02/07/2014 1045
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68430	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6176_20.D
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	02/18/2014 0247			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0247			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	1.0		0.060	1.0
Freon 22	0.86	J	0.096	1.0
Freon-114	0.40	U	0.070	0.40
Chloromethane	1.0	U	0.27	1.0
n-Butane	15		0.56	1.0
Vinyl chloride	0.18		0.076	0.080
1,3-Butadiene	0.40	U	0.084	0.40
Bromomethane	0.40	U	0.056	0.40
Chloroethane	1.0	U	0.060	1.0
Vinyl bromide	0.40	U	0.060	0.40
Freon 11	0.88		0.060	0.40
Freon 113	0.20	J	0.036	0.40
1,1-Dichloroethene	0.40	U	0.048	0.40
Acetone	5.2	J	2.5	10
Isopropyl alcohol	63		0.43	10
Carbon disulfide	1.0	U	0.13	1.0
Allyl chloride	1.0	U	0.068	1.0
Methylene Chloride	20		0.25	1.0
tert-Butyl alcohol	10	U	0.66	10
Methyl tert-butyl ether	0.40	U	0.044	0.40
trans-1,2-Dichloroethene	0.31	J	0.058	0.40
Hexane	0.40	U	0.068	0.40
1,1-Dichloroethane	0.10	J	0.076	0.40
Methyl Ethyl Ketone	1.0	U	0.48	1.0
cis-1,2-Dichloroethene	0.59		0.076	0.40
1,2-Dichloroethene, Total	0.90		0.13	0.40
Chloroform	1.7		0.050	0.40
Tetrahydrofuran	1.7	J	0.092	10
1,1,1-Trichloroethane	0.46		0.042	0.40
Cyclohexane	0.63		0.050	0.40
Carbon tetrachloride	0.060	J	0.042	0.080
2,2,4-Trimethylpentane	0.40	U	0.054	0.40
Benzene	0.40	U	0.038	0.40
1,2-Dichloroethane	0.40	U	0.034	0.40
Heptane	0.40	U	0.092	0.40
Trichloroethene	0.14		0.048	0.080
Methyl methacrylate	1.0	U	0.060	1.0
1,2-Dichloropropane	0.40	U	0.064	0.40
1,4-Dioxane	10	U	0.40	10
Bromodichloromethane	0.40	U	0.034	0.40
cis-1,3-Dichloropropene	0.40	U	0.056	0.40
methyl isobutyl ketone	1.0	U	0.054	1.0
Toluene	0.33	J	0.034	0.40
trans-1,3-Dichloropropene	0.40	U	0.044	0.40
1,1,2-Trichloroethane	0.40	U	0.034	0.40
Tetrachloroethene	0.40	U	0.032	0.40

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SSDS-MID-CARBON**

Lab Sample ID: 200-20861-9
Client Matrix: Air

Date Sampled: 02/07/2014 1045
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68430	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6176_20.D
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	02/18/2014 0247			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0247			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.0	U	0.40	1.0
Dibromochloromethane	0.40	U	0.040	0.40
1,2-Dibromoethane	0.40	U	0.040	0.40
Chlorobenzene	0.40	U	0.016	0.40
Ethylbenzene	0.40	U	0.026	0.40
m,p-Xylene	1.0	U	0.046	1.0
Xylene, o-	0.40	U	0.032	0.40
Xylene (total)	0.40	U	0.068	0.40
Styrene	0.40	U	0.036	0.40
Bromoform	0.40	U	0.020	0.40
1,1,2,2-Tetrachloroethane	0.40	U	0.032	0.40
n-Propylbenzene	0.40	U	0.16	0.40
4-Ethyltoluene	0.40	U	0.036	0.40
1,3,5-Trimethylbenzene	0.40	U	0.024	0.40
2-Chlorotoluene	0.40	U	0.026	0.40
tert-Butylbenzene	0.40	U	0.034	0.40
1,2,4-Trimethylbenzene	0.40	U	0.028	0.40
sec-Butylbenzene	0.40	U	0.16	0.40
4-Isopropyltoluene	0.40	U	0.16	0.40
1,3-Dichlorobenzene	0.40	U	0.028	0.40
1,4-Dichlorobenzene	0.40	U	0.028	0.40
Benzyl chloride	0.40	U	0.16	0.40
n-Butylbenzene	0.40	U	0.16	0.40
1,2-Dichlorobenzene	0.40	U	0.028	0.40
1,2,4-Trichlorobenzene	1.0	U	0.054	1.0
Hexachloro-1,3-butadiene	0.40	U	0.044	0.40
Naphthalene	1.0	U ^ *	0.40	1.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	5.0		0.30	4.9
Freon 22	3.1	J	0.34	3.5
Freon-114	2.8	U	0.49	2.8
Chloromethane	2.1	U	0.56	2.1
n-Butane	36		1.3	2.4
Vinyl chloride	0.47		0.19	0.20
1,3-Butadiene	0.88	U	0.19	0.88
Bromomethane	1.6	U	0.22	1.6
Chloroethane	2.6	U	0.16	2.6
Vinyl bromide	1.7	U	0.26	1.7
Freon 11	4.9		0.34	2.2
Freon 113	1.5	J	0.28	3.1
1,1-Dichloroethene	1.6	U	0.19	1.6
Acetone	12	J	5.9	24
Isopropyl alcohol	160		1.1	25
Carbon disulfide	3.1	U	0.41	3.1
Allyl chloride	3.1	U	0.21	3.1

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SSDS-MID-CARBON**

Lab Sample ID: 200-20861-9
Client Matrix: Air

Date Sampled: 02/07/2014 1045
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68430	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6176_20.D
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	02/18/2014 0247			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0247			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	69		0.87	3.5
tert-Butyl alcohol	30	U	2.0	30
Methyl tert-butyl ether	1.4	U	0.16	1.4
trans-1,2-Dichloroethene	1.2	J	0.23	1.6
Hexane	1.4	U	0.24	1.4
1,1-Dichloroethane	0.41	J	0.31	1.6
Methyl Ethyl Ketone	2.9	U	1.4	2.9
cis-1,2-Dichloroethene	2.3		0.30	1.6
1,2-Dichloroethene, Total	3.6		0.51	1.6
Chloroform	8.1		0.24	2.0
Tetrahydrofuran	5.0	J	0.27	29
1,1,1-Trichloroethane	2.5		0.23	2.2
Cyclohexane	2.2		0.17	1.4
Carbon tetrachloride	0.38	J	0.26	0.50
2,2,4-Trimethylpentane	1.9	U	0.25	1.9
Benzene	1.3	U	0.12	1.3
1,2-Dichloroethane	1.6	U	0.14	1.6
Heptane	1.6	U	0.38	1.6
Trichloroethene	0.76		0.26	0.43
Methyl methacrylate	4.1	U	0.25	4.1
1,2-Dichloropropane	1.8	U	0.30	1.8
1,4-Dioxane	36	U	1.4	36
Bromodichloromethane	2.7	U	0.23	2.7
cis-1,3-Dichloropropene	1.8	U	0.25	1.8
methyl isobutyl ketone	4.1	U	0.22	4.1
Toluene	1.2	J	0.13	1.5
trans-1,3-Dichloropropene	1.8	U	0.20	1.8
1,1,2-Trichloroethane	2.2	U	0.19	2.2
Tetrachloroethene	2.7	U	0.22	2.7
Methyl Butyl Ketone (2-Hexanone)	4.1	U	1.6	4.1
Dibromochloromethane	3.4	U	0.34	3.4
1,2-Dibromoethane	3.1	U	0.31	3.1
Chlorobenzene	1.8	U	0.075	1.8
Ethylbenzene	1.7	U	0.11	1.7
m,p-Xylene	4.3	U	0.20	4.3
Xylene, o-	1.7	U	0.14	1.7
Xylene (total)	1.7	U	0.30	1.7
Styrene	1.7	U	0.15	1.7
Bromoform	4.1	U	0.21	4.1
1,1,2,2-Tetrachloroethane	2.7	U	0.22	2.7
n-Propylbenzene	2.0	U	0.79	2.0
4-Ethyltoluene	2.0	U	0.18	2.0
1,3,5-Trimethylbenzene	2.0	U	0.12	2.0
2-Chlorotoluene	2.1	U	0.13	2.1
tert-Butylbenzene	2.2	U	0.19	2.2
1,2,4-Trimethylbenzene	2.0	U	0.14	2.0

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SSDS-MID-CARBON**

Lab Sample ID: 200-20861-9
Client Matrix: Air

Date Sampled: 02/07/2014 1045
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68430	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6176_20.D
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	02/18/2014 0247			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0247			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	2.2	U	0.88	2.2
4-Isopropyltoluene	2.2	U	0.88	2.2
1,3-Dichlorobenzene	2.4	U	0.17	2.4
1,4-Dichlorobenzene	2.4	U	0.17	2.4
Benzyl chloride	2.1	U	0.83	2.1
n-Butylbenzene	2.2	U	0.88	2.2
1,2-Dichlorobenzene	2.4	U	0.17	2.4
1,2,4-Trichlorobenzene	7.4	U	0.40	7.4
Hexachloro-1,3-butadiene	4.3	U	0.47	4.3
Naphthalene	5.2	U ^ *	2.1	5.2

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SSDS-EFFLUENT**

Lab Sample ID: 200-20861-10
Client Matrix: Air

Date Sampled: 02/07/2014 1030
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6208_10.D
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	02/18/2014 2012			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 2012			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.98	J	0.075	1.3
Freon 22	0.79	J	0.12	1.3
Freon-114	0.50	U	0.088	0.50
Chloromethane	1.3	U	0.34	1.3
n-Butane	9.7		0.71	1.3
Vinyl chloride	0.10	U	0.095	0.10
1,3-Butadiene	0.50	U	0.11	0.50
Bromomethane	0.50	U	0.070	0.50
Chloroethane	1.3	U	0.075	1.3
Vinyl bromide	0.50	U	0.075	0.50
Freon 11	1.3		0.075	0.50
Freon 113	0.21	J	0.045	0.50
1,1-Dichloroethene	0.50	U	0.060	0.50
Acetone	13	U	3.1	13
Isopropyl alcohol	66		0.54	13
Carbon disulfide	1.3	U	0.17	1.3
Allyl chloride	1.3	U	0.085	1.3
Methylene Chloride	24		0.31	1.3
tert-Butyl alcohol	13	U	0.82	13
Methyl tert-butyl ether	0.50	U	0.055	0.50
trans-1,2-Dichloroethene	0.39	J	0.073	0.50
Hexane	0.32	J	0.085	0.50
1,1-Dichloroethane	0.17	J	0.095	0.50
Methyl Ethyl Ketone	1.3	U	0.61	1.3
cis-1,2-Dichloroethene	0.56		0.095	0.50
1,2-Dichloroethene, Total	0.95		0.16	0.50
Chloroform	2.1		0.063	0.50
Tetrahydrofuran	1.9	J	0.12	13
1,1,1-Trichloroethane	0.62		0.053	0.50
Cyclohexane	0.92		0.063	0.50
Carbon tetrachloride	0.076	J	0.053	0.10
2,2,4-Trimethylpentane	0.50	U	0.068	0.50
Benzene	0.50	U	0.048	0.50
1,2-Dichloroethane	0.50	U	0.043	0.50
Heptane	0.50	U	0.12	0.50
Trichloroethene	0.10	U	0.060	0.10
Methyl methacrylate	1.3	U	0.075	1.3
1,2-Dichloropropane	0.50	U	0.080	0.50
1,4-Dioxane	13	U	0.50	13
Bromodichloromethane	0.50	U	0.043	0.50
cis-1,3-Dichloropropene	0.50	U	0.070	0.50
methyl isobutyl ketone	1.3	U	0.068	1.3
Toluene	0.25	J	0.043	0.50
trans-1,3-Dichloropropene	0.50	U	0.055	0.50
1,1,2-Trichloroethane	0.50	U	0.043	0.50
Tetrachloroethene	0.11	J	0.040	0.50

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SSDS-EFFLUENT**

Lab Sample ID: 200-20861-10
Client Matrix: Air

Date Sampled: 02/07/2014 1030
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6208_10.D
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	02/18/2014 2012			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 2012			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.3	U	0.50	1.3
Dibromochloromethane	0.50	U	0.050	0.50
1,2-Dibromoethane	0.50	U	0.050	0.50
Chlorobenzene	0.50	U	0.020	0.50
Ethylbenzene	0.50	U	0.033	0.50
m,p-Xylene	0.26	J	0.058	1.3
Xylene, o-	0.11	J	0.040	0.50
Xylene (total)	0.37	J	0.085	0.50
Styrene	0.50	U	0.045	0.50
Bromoform	0.50	U	0.025	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.040	0.50
n-Propylbenzene	0.50	U	0.20	0.50
4-Ethyltoluene	0.50	U	0.045	0.50
1,3,5-Trimethylbenzene	0.50	U	0.030	0.50
2-Chlorotoluene	0.50	U	0.033	0.50
tert-Butylbenzene	0.50	U	0.043	0.50
1,2,4-Trimethylbenzene	0.50	U	0.035	0.50
sec-Butylbenzene	0.50	U	0.20	0.50
4-Isopropyltoluene	0.50	U	0.20	0.50
1,3-Dichlorobenzene	0.50	U	0.035	0.50
1,4-Dichlorobenzene	0.50	U	0.035	0.50
Benzyl chloride	0.50	U	0.20	0.50
n-Butylbenzene	0.50	U	0.20	0.50
1,2-Dichlorobenzene	0.50	U	0.035	0.50
1,2,4-Trichlorobenzene	1.3	U *	0.068	1.3
Hexachloro-1,3-butadiene	0.50	U	0.055	0.50
Naphthalene	1.3	U ^ *	0.50	1.3

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	4.8	J	0.37	6.2
Freon 22	2.8	J	0.42	4.4
Freon-114	3.5	U	0.61	3.5
Chloromethane	2.6	U	0.70	2.6
n-Butane	23		1.7	3.0
Vinyl chloride	0.26	U	0.24	0.26
1,3-Butadiene	1.1	U	0.23	1.1
Bromomethane	1.9	U	0.27	1.9
Chloroethane	3.3	U	0.20	3.3
Vinyl bromide	2.2	U	0.33	2.2
Freon 11	7.2		0.42	2.8
Freon 113	1.6	J	0.34	3.8
1,1-Dichloroethene	2.0	U	0.24	2.0
Acetone	30	U	7.4	30
Isopropyl alcohol	160		1.3	31
Carbon disulfide	3.9	U	0.51	3.9
Allyl chloride	3.9	U	0.27	3.9

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SSDS-EFFLUENT**

Lab Sample ID: 200-20861-10
Client Matrix: Air

Date Sampled: 02/07/2014 1030
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6208_10.D
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	02/18/2014 2012			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 2012			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	85		1.1	4.3
tert-Butyl alcohol	38	U	2.5	38
Methyl tert-butyl ether	1.8	U	0.20	1.8
trans-1,2-Dichloroethene	1.5	J	0.29	2.0
Hexane	1.1	J	0.30	1.8
1,1-Dichloroethane	0.68	J	0.38	2.0
Methyl Ethyl Ketone	3.7	U	1.8	3.7
cis-1,2-Dichloroethene	2.2		0.38	2.0
1,2-Dichloroethene, Total	3.8		0.63	2.0
Chloroform	10		0.31	2.4
Tetrahydrofuran	5.7	J	0.34	37
1,1,1-Trichloroethane	3.4		0.29	2.7
Cyclohexane	3.2		0.22	1.7
Carbon tetrachloride	0.48	J	0.33	0.63
2,2,4-Trimethylpentane	2.3	U	0.32	2.3
Benzene	1.6	U	0.15	1.6
1,2-Dichloroethane	2.0	U	0.17	2.0
Heptane	2.0	U	0.47	2.0
Trichloroethene	0.54	U	0.32	0.54
Methyl methacrylate	5.1	U	0.31	5.1
1,2-Dichloropropane	2.3	U	0.37	2.3
1,4-Dioxane	45	U	1.8	45
Bromodichloromethane	3.4	U	0.28	3.4
cis-1,3-Dichloropropene	2.3	U	0.32	2.3
methyl isobutyl ketone	5.1	U	0.28	5.1
Toluene	0.94	J	0.16	1.9
trans-1,3-Dichloropropene	2.3	U	0.25	2.3
1,1,2-Trichloroethane	2.7	U	0.23	2.7
Tetrachloroethene	0.74	J	0.27	3.4
Methyl Butyl Ketone (2-Hexanone)	5.1	U	2.0	5.1
Dibromochloromethane	4.3	U	0.43	4.3
1,2-Dibromoethane	3.8	U	0.38	3.8
Chlorobenzene	2.3	U	0.093	2.3
Ethylbenzene	2.2	U	0.14	2.2
m,p-Xylene	1.1	J	0.25	5.4
Xylene, o-	0.47	J	0.17	2.2
Xylene (total)	1.6	J	0.37	2.2
Styrene	2.1	U	0.19	2.1
Bromoform	5.2	U	0.26	5.2
1,1,2,2-Tetrachloroethane	3.4	U	0.27	3.4
n-Propylbenzene	2.5	U	0.98	2.5
4-Ethyltoluene	2.5	U	0.22	2.5
1,3,5-Trimethylbenzene	2.5	U	0.15	2.5
2-Chlorotoluene	2.6	U	0.17	2.6
tert-Butylbenzene	2.7	U	0.23	2.7
1,2,4-Trimethylbenzene	2.5	U	0.17	2.5

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Client Sample ID: **SSDS-EFFLUENT**

Lab Sample ID: 200-20861-10
Client Matrix: Air

Date Sampled: 02/07/2014 1030
Date Received: 02/10/2014 0930

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6208_10.D
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	02/18/2014 2012			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 2012			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	2.7	U	1.1	2.7
4-Isopropyltoluene	2.7	U	1.1	2.7
1,3-Dichlorobenzene	3.0	U	0.21	3.0
1,4-Dichlorobenzene	3.0	U	0.21	3.0
Benzyl chloride	2.6	U	1.0	2.6
n-Butylbenzene	2.7	U	1.1	2.7
1,2-Dichlorobenzene	3.0	U	0.21	3.0
1,2,4-Trichlorobenzene	9.3	U *	0.50	9.3
Hexachloro-1,3-butadiene	5.3	U	0.59	5.3
Naphthalene	6.6	U ^ *	2.6	6.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Method Blank - Batch: 200-68401

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68401/6	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6163_06.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/14/2014 1841	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/14/2014 1841			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	0.50	U	0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.20	U	0.030	0.20
Freon 113	0.20	U	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.0	U	1.3	5.0
Isopropyl alcohol	5.0	U	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.50	U	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.20	U	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Method Blank - Batch: 200-68401

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68401/6	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6163_06.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/14/2014 1841	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/14/2014 1841			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.20	U	0.016	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.20	U	0.013	0.20
m,p-Xylene	0.50	U	0.023	0.50
Xylene, o-	0.20	U	0.016	0.20
Xylene (total)	0.20	U	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U ^	0.20	0.50

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Method Blank - Batch: 200-68401

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68401/6	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6163_06.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/14/2014 1841	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/14/2014 1841			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	2.5	U	0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.1	U	0.17	1.1
Freon 113	1.5	U	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12	U	3.0	12
Isopropyl alcohol	12	U	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6
Methylene Chloride	1.7	U	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	0.75	U	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Method Blank - Batch: 200-68401

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68401/6	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6163_06.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/14/2014 1841	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/14/2014 1841			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.87	U	0.056	0.87
m,p-Xylene	2.2	U	0.10	2.2
Xylene, o-	0.87	U	0.069	0.87
Xylene (total)	0.87	U	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U ^	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Control Sample - Batch: 200-68401

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68401/4	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6163_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/14/2014 1657	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/14/2014 1657			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Freon 12	10.0	10.7	107	70 - 130	
Freon 22	10.0	10.4	104	70 - 130	
Freon-114	10.0	10.4	104	70 - 130	
Chloromethane	10.0	9.89	99	70 - 130	
n-Butane	10.0	9.99	100	70 - 130	
Vinyl chloride	10.0	10.3	103	70 - 130	
1,3-Butadiene	10.0	10.3	103	70 - 130	
Bromomethane	10.0	10.4	104	70 - 130	
Chloroethane	10.0	10.5	105	70 - 130	
Vinyl bromide	10.0	10.4	104	70 - 130	
Freon 11	10.0	10.6	106	70 - 130	
Freon 113	10.0	10.5	105	70 - 130	
1,1-Dichloroethene	10.0	10.4	104	70 - 130	
Acetone	10.0	10.2	102	70 - 130	
Isopropyl alcohol	10.0	10.3	103	70 - 130	
Carbon disulfide	10.0	10.0	100	70 - 130	
Allyl chloride	10.0	10.3	103	70 - 130	
Methylene Chloride	10.0	9.87	99	70 - 130	
tert-Butyl alcohol	10.0	10.0	100	70 - 130	
Methyl tert-butyl ether	10.0	10.3	103	70 - 130	
trans-1,2-Dichloroethene	10.0	10.3	103	70 - 130	
Hexane	10.0	9.84	98	70 - 130	
1,1-Dichloroethane	10.0	10.2	102	70 - 130	
Methyl Ethyl Ketone	10.0	9.36	94	70 - 130	
cis-1,2-Dichloroethene	10.0	10.2	102	70 - 130	
Chloroform	10.0	10.4	104	70 - 130	
Tetrahydrofuran	10.0	10.6	106	70 - 130	
1,1,1-Trichloroethane	10.0	10.7	107	70 - 130	
Cyclohexane	10.0	10.3	103	70 - 130	
Carbon tetrachloride	10.0	11.1	111	70 - 130	
2,2,4-Trimethylpentane	10.0	10.1	101	70 - 130	
Benzene	10.0	10.2	102	70 - 130	
1,2-Dichloroethane	10.0	10.6	107	70 - 130	
Heptane	10.0	9.84	98	70 - 130	
Trichloroethene	10.0	10.5	105	70 - 130	
Methyl methacrylate	10.0	10.4	104	70 - 130	
1,2-Dichloropropane	10.0	10.2	102	70 - 130	
1,4-Dioxane	10.0	10.2	102	70 - 130	
Bromodichloromethane	10.0	10.9	109	70 - 130	
cis-1,3-Dichloropropene	10.0	10.6	106	70 - 130	
methyl isobutyl ketone	10.0	10.3	103	70 - 130	
Toluene	10.0	10.4	104	70 - 130	
trans-1,3-Dichloropropene	10.0	10.4	104	70 - 130	
1,1,2-Trichloroethane	10.0	10.5	105	70 - 130	
Tetrachloroethene	10.0	11.1	111	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.4	104	70 - 130	

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Control Sample - Batch: 200-68401

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68401/4	Analysis Batch:	200-68401	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6163_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/14/2014 1657	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/14/2014 1657			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	11.1	111	70 - 130	
1,2-Dibromoethane	10.0	10.8	108	70 - 130	
Chlorobenzene	10.0	10.6	106	70 - 130	
Ethylbenzene	10.0	10.6	106	70 - 130	
m,p-Xylene	20.0	21.6	108	70 - 130	
Xylene, o-	10.0	10.6	106	70 - 130	
Styrene	10.0	10.9	109	70 - 130	
Bromoform	10.0	11.3	113	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.6	106	70 - 130	
n-Propylbenzene	10.0	10.7	107	70 - 130	
4-Ethyltoluene	10.0	11.1	111	70 - 130	
1,3,5-Trimethylbenzene	10.0	10.9	109	70 - 130	
2-Chlorotoluene	10.0	11.0	110	70 - 130	
tert-Butylbenzene	10.0	10.8	108	70 - 130	
1,2,4-Trimethylbenzene	10.0	10.9	110	70 - 130	
sec-Butylbenzene	10.0	10.8	108	70 - 130	
4-Isopropyltoluene	10.0	11.0	110	70 - 130	
1,3-Dichlorobenzene	10.0	11.1	111	70 - 130	
1,4-Dichlorobenzene	10.0	11.0	110	70 - 130	
Benzyl chloride	10.0	10.9	109	70 - 130	
n-Butylbenzene	10.0	11.4	114	70 - 130	
1,2-Dichlorobenzene	10.0	10.9	109	70 - 130	
1,2,4-Trichlorobenzene	10.0	13.2	132	70 - 130	*
Hexachloro-1,3-butadiene	10.0	11.7	117	70 - 130	
Naphthalene	10.0	16.0	160	70 - 130	* ^

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Method Blank - Batch: 200-68430

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68430/5	Analysis Batch:	200-68430	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6176_05.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/17/2014 1345	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 1345			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	0.50	U	0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.20	U	0.030	0.20
Freon 113	0.20	U	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.0	U	1.3	5.0
Isopropyl alcohol	5.0	U	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.50	U	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.20	U	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Method Blank - Batch: 200-68430

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68430/5	Analysis Batch:	200-68430	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6176_05.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/17/2014 1345	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 1345			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.20	U	0.016	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.20	U	0.013	0.20
m,p-Xylene	0.50	U	0.023	0.50
Xylene, o-	0.20	U	0.016	0.20
Xylene (total)	0.20	U	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U ^	0.20	0.50

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Method Blank - Batch: 200-68430

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68430/5	Analysis Batch:	200-68430	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6176_05.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/17/2014 1345	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 1345			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	2.5	U	0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.1	U	0.17	1.1
Freon 113	1.5	U	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12	U	3.0	12
Isopropyl alcohol	12	U	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6
Methylene Chloride	1.7	U	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	0.75	U	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Method Blank - Batch: 200-68430

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68430/5	Analysis Batch:	200-68430	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6176_05.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/17/2014 1345	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 1345			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.87	U	0.056	0.87
m,p-Xylene	2.2	U	0.10	2.2
Xylene, o-	0.87	U	0.069	0.87
Xylene (total)	0.87	U	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U ^	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Control Sample - Batch: 200-68430

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68430/4	Analysis Batch:	200-68430	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6176_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/17/2014 1253	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 1253			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Freon 12	10.0	11.2	112	70 - 130	
Freon 22	10.0	11.5	115	70 - 130	
Freon-114	10.0	11.0	110	70 - 130	
Chloromethane	10.0	11.2	112	70 - 130	
n-Butane	10.0	11.3	113	70 - 130	
Vinyl chloride	10.0	11.3	113	70 - 130	
1,3-Butadiene	10.0	11.1	111	70 - 130	
Bromomethane	10.0	10.8	108	70 - 130	
Chloroethane	10.0	11.1	111	70 - 130	
Vinyl bromide	10.0	10.7	107	70 - 130	
Freon 11	10.0	10.8	108	70 - 130	
Freon 113	10.0	10.8	108	70 - 130	
1,1-Dichloroethene	10.0	10.6	106	70 - 130	
Acetone	10.0	11.1	111	70 - 130	
Isopropyl alcohol	10.0	10.7	107	70 - 130	
Carbon disulfide	10.0	10.5	105	70 - 130	
Allyl chloride	10.0	11.2	112	70 - 130	
Methylene Chloride	10.0	10.5	105	70 - 130	
tert-Butyl alcohol	10.0	10.4	104	70 - 130	
Methyl tert-butyl ether	10.0	10.7	107	70 - 130	
trans-1,2-Dichloroethene	10.0	10.7	107	70 - 130	
Hexane	10.0	10.3	103	70 - 130	
1,1-Dichloroethane	10.0	10.6	106	70 - 130	
Methyl Ethyl Ketone	10.0	9.77	98	70 - 130	
cis-1,2-Dichloroethene	10.0	10.4	104	70 - 130	
Chloroform	10.0	10.5	105	70 - 130	
Tetrahydrofuran	10.0	11.3	113	70 - 130	
1,1,1-Trichloroethane	10.0	10.7	107	70 - 130	
Cyclohexane	10.0	10.4	104	70 - 130	
Carbon tetrachloride	10.0	11.0	110	70 - 130	
2,2,4-Trimethylpentane	10.0	10.3	103	70 - 130	
Benzene	10.0	10.3	103	70 - 130	
1,2-Dichloroethane	10.0	10.8	108	70 - 130	
Heptane	10.0	10.4	104	70 - 130	
Trichloroethene	10.0	10.5	105	70 - 130	
Methyl methacrylate	10.0	10.4	104	70 - 130	
1,2-Dichloropropane	10.0	10.3	103	70 - 130	
1,4-Dioxane	10.0	9.96	100	70 - 130	
Bromodichloromethane	10.0	10.9	109	70 - 130	
cis-1,3-Dichloropropene	10.0	10.7	107	70 - 130	
methyl isobutyl ketone	10.0	10.8	108	70 - 130	
Toluene	10.0	10.5	105	70 - 130	
trans-1,3-Dichloropropene	10.0	10.5	105	70 - 130	
1,1,2-Trichloroethane	10.0	10.6	106	70 - 130	
Tetrachloroethene	10.0	11.1	111	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.9	109	70 - 130	

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Control Sample - Batch: 200-68430

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68430/4	Analysis Batch:	200-68430	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6176_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/17/2014 1253	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 1253			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	11.0	110	70 - 130	
1,2-Dibromoethane	10.0	10.8	108	70 - 130	
Chlorobenzene	10.0	10.6	106	70 - 130	
Ethylbenzene	10.0	10.6	106	70 - 130	
m,p-Xylene	20.0	21.7	108	70 - 130	
Xylene, o-	10.0	10.6	106	70 - 130	
Styrene	10.0	10.9	109	70 - 130	
Bromoform	10.0	11.2	112	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.7	107	70 - 130	
n-Propylbenzene	10.0	10.8	108	70 - 130	
4-Ethyltoluene	10.0	11.2	112	70 - 130	
1,3,5-Trimethylbenzene	10.0	10.9	109	70 - 130	
2-Chlorotoluene	10.0	11.1	111	70 - 130	
tert-Butylbenzene	10.0	10.8	108	70 - 130	
1,2,4-Trimethylbenzene	10.0	11.0	110	70 - 130	
sec-Butylbenzene	10.0	10.8	108	70 - 130	
4-Isopropyltoluene	10.0	10.9	109	70 - 130	
1,3-Dichlorobenzene	10.0	11.0	110	70 - 130	
1,4-Dichlorobenzene	10.0	10.9	109	70 - 130	
Benzyl chloride	10.0	10.9	109	70 - 130	
n-Butylbenzene	10.0	11.4	114	70 - 130	
1,2-Dichlorobenzene	10.0	10.8	108	70 - 130	
1,2,4-Trichlorobenzene	10.0	13.0	130	70 - 130	
Hexachloro-1,3-butadiene	10.0	11.7	117	70 - 130	
Naphthalene	10.0	15.6	156	70 - 130	^ *

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Method Blank - Batch: 200-68510

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68510/5	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6208_05.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 1551	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1551			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	0.50	U	0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.20	U	0.030	0.20
Freon 113	0.20	U	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.0	U	1.3	5.0
Isopropyl alcohol	5.0	U	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.50	U	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.20	U	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Method Blank - Batch: 200-68510

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68510/5	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6208_05.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 1551	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1551			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.20	U	0.016	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.20	U	0.013	0.20
m,p-Xylene	0.50	U	0.023	0.50
Xylene, o-	0.20	U	0.016	0.20
Xylene (total)	0.20	U	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U ^	0.20	0.50

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Method Blank - Batch: 200-68510

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68510/5	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6208_05.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 1551	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1551			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	2.5	U	0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.1	U	0.17	1.1
Freon 113	1.5	U	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12	U	3.0	12
Isopropyl alcohol	12	U	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6
Methylene Chloride	1.7	U	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	0.75	U	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Method Blank - Batch: 200-68510

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68510/5	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6208_05.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 1551	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1551			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.87	U	0.056	0.87
m,p-Xylene	2.2	U	0.10	2.2
Xylene, o-	0.87	U	0.069	0.87
Xylene (total)	0.87	U	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U ^	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Control Sample - Batch: 200-68510

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68510/4	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6208_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 1459	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1459			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Freon 12	10.0	11.4	114	70 - 130	
Freon 22	10.0	11.6	116	70 - 130	
Freon-114	10.0	11.2	112	70 - 130	
Chloromethane	10.0	11.3	113	70 - 130	
n-Butane	10.0	11.3	113	70 - 130	
Vinyl chloride	10.0	11.5	115	70 - 130	
1,3-Butadiene	10.0	11.2	112	70 - 130	
Bromomethane	10.0	11.0	110	70 - 130	
Chloroethane	10.0	11.3	113	70 - 130	
Vinyl bromide	10.0	10.8	108	70 - 130	
Freon 11	10.0	10.9	109	70 - 130	
Freon 113	10.0	10.9	109	70 - 130	
1,1-Dichloroethene	10.0	10.9	109	70 - 130	
Acetone	10.0	11.0	110	70 - 130	
Isopropyl alcohol	10.0	11.0	110	70 - 130	
Carbon disulfide	10.0	10.6	106	70 - 130	
Allyl chloride	10.0	11.3	113	70 - 130	
Methylene Chloride	10.0	10.8	108	70 - 130	
tert-Butyl alcohol	10.0	10.6	106	70 - 130	
Methyl tert-butyl ether	10.0	10.8	108	70 - 130	
trans-1,2-Dichloroethene	10.0	10.9	109	70 - 130	
Hexane	10.0	10.5	105	70 - 130	
1,1-Dichloroethane	10.0	10.7	107	70 - 130	
Methyl Ethyl Ketone	10.0	9.77	98	70 - 130	
cis-1,2-Dichloroethene	10.0	10.5	105	70 - 130	
Chloroform	10.0	10.6	106	70 - 130	
Tetrahydrofuran	10.0	11.4	114	70 - 130	
1,1,1-Trichloroethane	10.0	11.0	110	70 - 130	
Cyclohexane	10.0	10.6	106	70 - 130	
Carbon tetrachloride	10.0	11.2	112	70 - 130	
2,2,4-Trimethylpentane	10.0	10.5	105	70 - 130	
Benzene	10.0	10.3	103	70 - 130	
1,2-Dichloroethane	10.0	11.0	110	70 - 130	
Heptane	10.0	10.4	104	70 - 130	
Trichloroethene	10.0	10.7	107	70 - 130	
Methyl methacrylate	10.0	10.5	105	70 - 130	
1,2-Dichloropropane	10.0	10.4	104	70 - 130	
1,4-Dioxane	10.0	10.2	102	70 - 130	
Bromodichloromethane	10.0	11.0	110	70 - 130	
cis-1,3-Dichloropropene	10.0	10.8	108	70 - 130	
methyl isobutyl ketone	10.0	10.9	109	70 - 130	
Toluene	10.0	10.5	105	70 - 130	
trans-1,3-Dichloropropene	10.0	10.6	106	70 - 130	
1,1,2-Trichloroethane	10.0	10.7	107	70 - 130	
Tetrachloroethene	10.0	11.2	112	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.9	109	70 - 130	

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Control Sample - Batch: 200-68510

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68510/4	Analysis Batch:	200-68510	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6208_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 1459	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 1459			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	11.1	111	70 - 130	
1,2-Dibromoethane	10.0	10.9	109	70 - 130	
Chlorobenzene	10.0	10.7	107	70 - 130	
Ethylbenzene	10.0	10.7	108	70 - 130	
m,p-Xylene	20.0	21.8	109	70 - 130	
Xylene, o-	10.0	10.7	107	70 - 130	
Styrene	10.0	11.0	110	70 - 130	
Bromoform	10.0	11.4	114	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.8	108	70 - 130	
n-Propylbenzene	10.0	10.9	109	70 - 130	
4-Ethyltoluene	10.0	11.3	113	70 - 130	
1,3,5-Trimethylbenzene	10.0	11.0	110	70 - 130	
2-Chlorotoluene	10.0	11.2	112	70 - 130	
tert-Butylbenzene	10.0	10.9	109	70 - 130	
1,2,4-Trimethylbenzene	10.0	11.1	111	70 - 130	
sec-Butylbenzene	10.0	10.9	109	70 - 130	
4-Isopropyltoluene	10.0	11.1	111	70 - 130	
1,3-Dichlorobenzene	10.0	11.1	111	70 - 130	
1,4-Dichlorobenzene	10.0	11.1	111	70 - 130	
Benzyl chloride	10.0	11.0	110	70 - 130	
n-Butylbenzene	10.0	11.5	115	70 - 130	
1,2-Dichlorobenzene	10.0	11.0	110	70 - 130	
1,2,4-Trichlorobenzene	10.0	13.2	132	70 - 130	*
Hexachloro-1,3-butadiene	10.0	11.9	119	70 - 130	
Naphthalene	10.0	15.8	158	70 - 130	^ *

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

Lab Section	Qualifier	Description
Air - GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	^	Instrument related QC exceeds the control limits
	*	Recovery or RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
Sdg Number: 200-20861

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-68401					
LCS 200-68401/4	Lab Control Sample	T	Air	TO-15	
MB 200-68401/6	Method Blank	T	Air	TO-15	
200-20861-2	SDS-2	T	Air	TO-15	
200-20861-3	SDS-3	T	Air	TO-15	
200-20861-4	SDS-4	T	Air	TO-15	
200-20861-5	SDS-5	T	Air	TO-15	
Analysis Batch:200-68430					
LCS 200-68430/4	Lab Control Sample	T	Air	TO-15	
MB 200-68430/5	Method Blank	T	Air	TO-15	
200-20861-1	SDS-1	T	Air	TO-15	
200-20861-9	SSDS-MID-CARBON	T	Air	TO-15	
Analysis Batch:200-68510					
LCS 200-68510/4	Lab Control Sample	T	Air	TO-15	
MB 200-68510/5	Method Blank	T	Air	TO-15	
200-20861-6	SDS-6	T	Air	TO-15	
200-20861-7	SDS-7	T	Air	TO-15	
200-20861-8	SDS-8	T	Air	TO-15	
200-20861-10	SSDS-EFFLUENT	T	Air	TO-15	

Report Basis
T = Total

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
SDG: 200-20861

Laboratory Chronicle

Lab ID: 200-20861-1 **Client ID:** SDS-1

Sample Date/Time: 02/07/2014 10:05 Received Date/Time: 02/10/2014 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20861-A-1		200-68430		02/17/2014 14:39	8	TAL BUR	WRD
A:TO-15	200-20861-A-1		200-68430		02/17/2014 14:39	8	TAL BUR	WRD

Lab ID: 200-20861-2 **Client ID:** SDS-2

Sample Date/Time: 02/07/2014 10:12 Received Date/Time: 02/10/2014 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20861-A-2		200-68401		02/15/2014 07:41	5	TAL BUR	WRD
A:TO-15	200-20861-A-2		200-68401		02/15/2014 07:41	5	TAL BUR	WRD

Lab ID: 200-20861-3 **Client ID:** SDS-3

Sample Date/Time: 02/07/2014 09:45 Received Date/Time: 02/10/2014 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20861-A-3		200-68401		02/15/2014 08:34	1	TAL BUR	WRD
A:TO-15	200-20861-A-3		200-68401		02/15/2014 08:34	1	TAL BUR	WRD

Lab ID: 200-20861-4 **Client ID:** SDS-4

Sample Date/Time: 02/07/2014 09:57 Received Date/Time: 02/10/2014 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20861-A-4		200-68401		02/15/2014 09:26	1	TAL BUR	WRD
A:TO-15	200-20861-A-4		200-68401		02/15/2014 09:26	1	TAL BUR	WRD

Lab ID: 200-20861-5 **Client ID:** SDS-5

Sample Date/Time: 02/07/2014 09:31 Received Date/Time: 02/10/2014 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20861-A-5		200-68401		02/15/2014 10:17	6.9	TAL BUR	WRD
A:TO-15	200-20861-A-5		200-68401		02/15/2014 10:17	6.9	TAL BUR	WRD

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
SDG: 200-20861

Laboratory Chronicle

Lab ID: 200-20861-6 **Client ID:** SDS-6

Sample Date/Time: 02/07/2014 09:21 Received Date/Time: 02/10/2014 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20861-A-6		200-68510		02/18/2014 17:36	22	TAL BUR	WRD
A:TO-15	200-20861-A-6		200-68510		02/18/2014 17:36	22	TAL BUR	WRD

Lab ID: 200-20861-7 **Client ID:** SDS-7

Sample Date/Time: 02/07/2014 09:13 Received Date/Time: 02/10/2014 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20861-A-7		200-68510		02/18/2014 18:28	5	TAL BUR	WRD
A:TO-15	200-20861-A-7		200-68510		02/18/2014 18:28	5	TAL BUR	WRD

Lab ID: 200-20861-8 **Client ID:** SDS-8

Sample Date/Time: 02/07/2014 09:03 Received Date/Time: 02/10/2014 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20861-A-8		200-68510		02/18/2014 19:20	4	TAL BUR	WRD
A:TO-15	200-20861-A-8		200-68510		02/18/2014 19:20	4	TAL BUR	WRD

Lab ID: 200-20861-9 **Client ID:** SSDS-MID-CARBON

Sample Date/Time: 02/07/2014 10:45 Received Date/Time: 02/10/2014 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20861-A-9		200-68430		02/18/2014 02:47	2	TAL BUR	WRD
A:TO-15	200-20861-A-9		200-68430		02/18/2014 02:47	2	TAL BUR	WRD

Lab ID: 200-20861-10 **Client ID:** SSDS-EFFLUENT

Sample Date/Time: 02/07/2014 10:30 Received Date/Time: 02/10/2014 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20861-A-10		200-68510		02/18/2014 20:12	2.5	TAL BUR	WRD
A:TO-15	200-20861-A-10		200-68510		02/18/2014 20:12	2.5	TAL BUR	WRD

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
SDG: 200-20861

Laboratory Chronicle

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-68401/6		200-68401		02/14/2014 18:41	1	TAL BUR	WRD
A:TO-15	MB 200-68401/6		200-68401		02/14/2014 18:41	1	TAL BUR	WRD
P:Summa Canister	MB 200-68430/5		200-68430		02/17/2014 13:45	1	TAL BUR	WRD
A:TO-15	MB 200-68430/5		200-68430		02/17/2014 13:45	1	TAL BUR	WRD
P:Summa Canister	MB 200-68510/5		200-68510		02/18/2014 15:51	1	TAL BUR	WRD
A:TO-15	MB 200-68510/5		200-68510		02/18/2014 15:51	1	TAL BUR	WRD

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-68401/4		200-68401		02/14/2014 16:57	1	TAL BUR	WRD
A:TO-15	LCS 200-68401/4		200-68401		02/14/2014 16:57	1	TAL BUR	WRD
P:Summa Canister	LCS 200-68430/4		200-68430		02/17/2014 12:53	1	TAL BUR	WRD
A:TO-15	LCS 200-68430/4		200-68430		02/17/2014 12:53	1	TAL BUR	WRD
P:Summa Canister	LCS 200-68510/4		200-68510		02/18/2014 14:59	1	TAL BUR	WRD
A:TO-15	LCS 200-68510/4		200-68510		02/18/2014 14:59	1	TAL BUR	WRD

Lab References:
TAL BUR = TestAmerica Burlington

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: LMC Utica

TestAmerica Job ID: 200-20861-1
SDG: 200-20861

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA
TestAmerica Burlington	Florida	NELAP	4	E87467
TestAmerica Burlington	L-A-B	DoD ELAP		L2336
TestAmerica Burlington	Louisiana	NELAP	6	176292
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAP	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAP	1	2006
TestAmerica Burlington	New Jersey	NELAP	2	VT972
TestAmerica Burlington	New York	NELAP	2	10391
TestAmerica Burlington	Pennsylvania	NELAP	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	US Fish & Wildlife	Federal		LE-058448-0
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAP	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method TO15

Volatile Organic Compounds (GC/MS)
by Method TO15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Matrix: Air Level: Low Lab File ID: 6163_04.D

Lab ID: LCS 200-68401/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 12	10.0	10.7	107	70-130	
Freon 22	10.0	10.4	104	70-130	
Freon-114	10.0	10.4	104	70-130	
Chloromethane	10.0	9.89	99	70-130	
n-Butane	10.0	9.99	100	70-130	
Vinyl chloride	10.0	10.3	103	70-130	
1,3-Butadiene	10.0	10.3	103	70-130	
Bromomethane	10.0	10.4	104	70-130	
Chloroethane	10.0	10.5	105	70-130	
Vinyl bromide	10.0	10.4	104	70-130	
Freon 11	10.0	10.6	106	70-130	
Freon 113	10.0	10.5	105	70-130	
1,1-Dichloroethene	10.0	10.4	104	70-130	
Acetone	10.0	10.2	102	70-130	
Isopropyl alcohol	10.0	10.3	103	70-130	
Carbon disulfide	10.0	10.0	100	70-130	
Allyl chloride	10.0	10.3	103	70-130	
Methylene Chloride	10.0	9.87	99	70-130	
tert-Butyl alcohol	10.0	10.0	100	70-130	
Methyl tert-butyl ether	10.0	10.3	103	70-130	
trans-1,2-Dichloroethene	10.0	10.3	103	70-130	
Hexane	10.0	9.84	98	70-130	
1,1-Dichloroethane	10.0	10.2	102	70-130	
Methyl Ethyl Ketone	10.0	9.36	94	70-130	
cis-1,2-Dichloroethene	10.0	10.2	102	70-130	
Chloroform	10.0	10.4	104	70-130	
Tetrahydrofuran	10.0	10.6	106	70-130	
1,1,1-Trichloroethane	10.0	10.7	107	70-130	
Cyclohexane	10.0	10.3	103	70-130	
Carbon tetrachloride	10.0	11.1	111	70-130	
2,2,4-Trimethylpentane	10.0	10.1	101	70-130	
Benzene	10.0	10.2	102	70-130	
1,2-Dichloroethane	10.0	10.6	107	70-130	
Heptane	10.0	9.84	98	70-130	
Trichloroethene	10.0	10.5	105	70-130	
Methyl methacrylate	10.0	10.4	104	70-130	
1,2-Dichloropropane	10.0	10.2	102	70-130	
1,4-Dioxane	10.0	10.2	102	70-130	
Bromodichloromethane	10.0	10.9	109	70-130	
cis-1,3-Dichloropropene	10.0	10.6	106	70-130	
methyl isobutyl ketone	10.0	10.3	103	70-130	
Toluene	10.0	10.4	104	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Matrix: Air Level: Low Lab File ID: 6163_04.D

Lab ID: LCS 200-68401/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.4	104	70-130	
1,1,2-Trichloroethane	10.0	10.5	105	70-130	
Tetrachloroethene	10.0	11.1	111	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.4	104	70-130	
Dibromochloromethane	10.0	11.1	111	70-130	
1,2-Dibromoethane	10.0	10.8	108	70-130	
Chlorobenzene	10.0	10.6	106	70-130	
Ethylbenzene	10.0	10.6	106	70-130	
m,p-Xylene	20.0	21.6	108	70-130	
Xylene, o-	10.0	10.6	106	70-130	
Styrene	10.0	10.9	109	70-130	
Bromoform	10.0	11.3	113	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.6	106	70-130	
n-Propylbenzene	10.0	10.7	107	70-130	
4-Ethyltoluene	10.0	11.1	111	70-130	
1,3,5-Trimethylbenzene	10.0	10.9	109	70-130	
2-Chlorotoluene	10.0	11.0	110	70-130	
tert-Butylbenzene	10.0	10.8	108	70-130	
1,2,4-Trimethylbenzene	10.0	10.9	110	70-130	
sec-Butylbenzene	10.0	10.8	108	70-130	
4-Isopropyltoluene	10.0	11.0	110	70-130	
1,3-Dichlorobenzene	10.0	11.1	111	70-130	
1,4-Dichlorobenzene	10.0	11.0	110	70-130	
Benzyl chloride	10.0	10.9	109	70-130	
n-Butylbenzene	10.0	11.4	114	70-130	
1,2-Dichlorobenzene	10.0	10.9	109	70-130	
1,2,4-Trichlorobenzene	10.0	13.2	132	70-130	*
Hexachloro-1,3-butadiene	10.0	11.7	117	70-130	
Naphthalene	10.0	16.0	160	70-130	* ^

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Matrix: Air Level: Low Lab File ID: 6176_04.D

Lab ID: LCS 200-68430/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 12	10.0	11.2	112	70-130	
Freon 22	10.0	11.5	115	70-130	
Freon-114	10.0	11.0	110	70-130	
Chloromethane	10.0	11.2	112	70-130	
n-Butane	10.0	11.3	113	70-130	
Vinyl chloride	10.0	11.3	113	70-130	
1,3-Butadiene	10.0	11.1	111	70-130	
Bromomethane	10.0	10.8	108	70-130	
Chloroethane	10.0	11.1	111	70-130	
Vinyl bromide	10.0	10.7	107	70-130	
Freon 11	10.0	10.8	108	70-130	
Freon 113	10.0	10.8	108	70-130	
1,1-Dichloroethene	10.0	10.6	106	70-130	
Acetone	10.0	11.1	111	70-130	
Isopropyl alcohol	10.0	10.7	107	70-130	
Carbon disulfide	10.0	10.5	105	70-130	
Allyl chloride	10.0	11.2	112	70-130	
Methylene Chloride	10.0	10.5	105	70-130	
tert-Butyl alcohol	10.0	10.4	104	70-130	
Methyl tert-butyl ether	10.0	10.7	107	70-130	
trans-1,2-Dichloroethene	10.0	10.7	107	70-130	
Hexane	10.0	10.3	103	70-130	
1,1-Dichloroethane	10.0	10.6	106	70-130	
Methyl Ethyl Ketone	10.0	9.77	98	70-130	
cis-1,2-Dichloroethene	10.0	10.4	104	70-130	
Chloroform	10.0	10.5	105	70-130	
Tetrahydrofuran	10.0	11.3	113	70-130	
1,1,1-Trichloroethane	10.0	10.7	107	70-130	
Cyclohexane	10.0	10.4	104	70-130	
Carbon tetrachloride	10.0	11.0	110	70-130	
2,2,4-Trimethylpentane	10.0	10.3	103	70-130	
Benzene	10.0	10.3	103	70-130	
1,2-Dichloroethane	10.0	10.8	108	70-130	
Heptane	10.0	10.4	104	70-130	
Trichloroethene	10.0	10.5	105	70-130	
Methyl methacrylate	10.0	10.4	104	70-130	
1,2-Dichloropropane	10.0	10.3	103	70-130	
1,4-Dioxane	10.0	9.96	100	70-130	
Bromodichloromethane	10.0	10.9	109	70-130	
cis-1,3-Dichloropropene	10.0	10.7	107	70-130	
methyl isobutyl ketone	10.0	10.8	108	70-130	
Toluene	10.0	10.5	105	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Matrix: Air Level: Low Lab File ID: 6176_04.D

Lab ID: LCS 200-68430/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.5	105	70-130	
1,1,2-Trichloroethane	10.0	10.6	106	70-130	
Tetrachloroethene	10.0	11.1	111	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.9	109	70-130	
Dibromochloromethane	10.0	11.0	110	70-130	
1,2-Dibromoethane	10.0	10.8	108	70-130	
Chlorobenzene	10.0	10.6	106	70-130	
Ethylbenzene	10.0	10.6	106	70-130	
m,p-Xylene	20.0	21.7	108	70-130	
Xylene, o-	10.0	10.6	106	70-130	
Styrene	10.0	10.9	109	70-130	
Bromoform	10.0	11.2	112	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.7	107	70-130	
n-Propylbenzene	10.0	10.8	108	70-130	
4-Ethyltoluene	10.0	11.2	112	70-130	
1,3,5-Trimethylbenzene	10.0	10.9	109	70-130	
2-Chlorotoluene	10.0	11.1	111	70-130	
tert-Butylbenzene	10.0	10.8	108	70-130	
1,2,4-Trimethylbenzene	10.0	11.0	110	70-130	
sec-Butylbenzene	10.0	10.8	108	70-130	
4-Isopropyltoluene	10.0	10.9	109	70-130	
1,3-Dichlorobenzene	10.0	11.0	110	70-130	
1,4-Dichlorobenzene	10.0	10.9	109	70-130	
Benzyl chloride	10.0	10.9	109	70-130	
n-Butylbenzene	10.0	11.4	114	70-130	
1,2-Dichlorobenzene	10.0	10.8	108	70-130	
1,2,4-Trichlorobenzene	10.0	13.0	130	70-130	
Hexachloro-1,3-butadiene	10.0	11.7	117	70-130	
Naphthalene	10.0	15.6	156	70-130	^ *

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Matrix: Air Level: Low Lab File ID: 6208_04.D

Lab ID: LCS 200-68510/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 12	10.0	11.4	114	70-130	
Freon 22	10.0	11.6	116	70-130	
Freon-114	10.0	11.2	112	70-130	
Chloromethane	10.0	11.3	113	70-130	
n-Butane	10.0	11.3	113	70-130	
Vinyl chloride	10.0	11.5	115	70-130	
1,3-Butadiene	10.0	11.2	112	70-130	
Bromomethane	10.0	11.0	110	70-130	
Chloroethane	10.0	11.3	113	70-130	
Vinyl bromide	10.0	10.8	108	70-130	
Freon 11	10.0	10.9	109	70-130	
Freon 113	10.0	10.9	109	70-130	
1,1-Dichloroethene	10.0	10.9	109	70-130	
Acetone	10.0	11.0	110	70-130	
Isopropyl alcohol	10.0	11.0	110	70-130	
Carbon disulfide	10.0	10.6	106	70-130	
Allyl chloride	10.0	11.3	113	70-130	
Methylene Chloride	10.0	10.8	108	70-130	
tert-Butyl alcohol	10.0	10.6	106	70-130	
Methyl tert-butyl ether	10.0	10.8	108	70-130	
trans-1,2-Dichloroethene	10.0	10.9	109	70-130	
Hexane	10.0	10.5	105	70-130	
1,1-Dichloroethane	10.0	10.7	107	70-130	
Methyl Ethyl Ketone	10.0	9.77	98	70-130	
cis-1,2-Dichloroethene	10.0	10.5	105	70-130	
Chloroform	10.0	10.6	106	70-130	
Tetrahydrofuran	10.0	11.4	114	70-130	
1,1,1-Trichloroethane	10.0	11.0	110	70-130	
Cyclohexane	10.0	10.6	106	70-130	
Carbon tetrachloride	10.0	11.2	112	70-130	
2,2,4-Trimethylpentane	10.0	10.5	105	70-130	
Benzene	10.0	10.3	103	70-130	
1,2-Dichloroethane	10.0	11.0	110	70-130	
Heptane	10.0	10.4	104	70-130	
Trichloroethene	10.0	10.7	107	70-130	
Methyl methacrylate	10.0	10.5	105	70-130	
1,2-Dichloropropane	10.0	10.4	104	70-130	
1,4-Dioxane	10.0	10.2	102	70-130	
Bromodichloromethane	10.0	11.0	110	70-130	
cis-1,3-Dichloropropene	10.0	10.8	108	70-130	
methyl isobutyl ketone	10.0	10.9	109	70-130	
Toluene	10.0	10.5	105	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Matrix: Air Level: Low Lab File ID: 6208_04.D

Lab ID: LCS 200-68510/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.6	106	70-130	
1,1,2-Trichloroethane	10.0	10.7	107	70-130	
Tetrachloroethene	10.0	11.2	112	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.9	109	70-130	
Dibromochloromethane	10.0	11.1	111	70-130	
1,2-Dibromoethane	10.0	10.9	109	70-130	
Chlorobenzene	10.0	10.7	107	70-130	
Ethylbenzene	10.0	10.7	108	70-130	
m,p-Xylene	20.0	21.8	109	70-130	
Xylene, o-	10.0	10.7	107	70-130	
Styrene	10.0	11.0	110	70-130	
Bromoform	10.0	11.4	114	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.8	108	70-130	
n-Propylbenzene	10.0	10.9	109	70-130	
4-Ethyltoluene	10.0	11.3	113	70-130	
1,3,5-Trimethylbenzene	10.0	11.0	110	70-130	
2-Chlorotoluene	10.0	11.2	112	70-130	
tert-Butylbenzene	10.0	10.9	109	70-130	
1,2,4-Trimethylbenzene	10.0	11.1	111	70-130	
sec-Butylbenzene	10.0	10.9	109	70-130	
4-Isopropyltoluene	10.0	11.1	111	70-130	
1,3-Dichlorobenzene	10.0	11.1	111	70-130	
1,4-Dichlorobenzene	10.0	11.1	111	70-130	
Benzyl chloride	10.0	11.0	110	70-130	
n-Butylbenzene	10.0	11.5	115	70-130	
1,2-Dichlorobenzene	10.0	11.0	110	70-130	
1,2,4-Trichlorobenzene	10.0	13.2	132	70-130	*
Hexachloro-1,3-butadiene	10.0	11.9	119	70-130	
Naphthalene	10.0	15.8	158	70-130	^ *

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab File ID: 6163_06.D Lab Sample ID: MB 200-68401/6

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHC.i Date Analyzed: 02/14/2014 18:41

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-68401/4	6163_04.D	02/14/2014 16:57
SDS-2	200-20861-2	6163_19.D	02/15/2014 07:41
SDS-3	200-20861-3	6163_20.D	02/15/2014 08:34
SDS-4	200-20861-4	6163_21.D	02/15/2014 09:26
SDS-5	200-20861-5	6163_22.D	02/15/2014 10:17

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab File ID: 6176_05.D Lab Sample ID: MB 200-68430/5

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHC.i Date Analyzed: 02/17/2014 13:45

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-68430/4	6176_04.D	02/17/2014 12:53
SDS-1	200-20861-1	6176_06.D	02/17/2014 14:39
SSDS-MID-CARBON	200-20861-9	6176_20.D	02/18/2014 02:47

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab File ID: 6208_05.D Lab Sample ID: MB 200-68510/5

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHC.i Date Analyzed: 02/18/2014 15:51

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-68510/4	6208_04.D	02/18/2014 14:59
SDS-6	200-20861-6	6208_07.D	02/18/2014 17:36
SDS-7	200-20861-7	6208_08.D	02/18/2014 18:28
SDS-8	200-20861-8	6208_09.D	02/18/2014 19:20
SSDS-EFFLUENT	200-20861-10	6208_10.D	02/18/2014 20:12

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab File ID: cma001.D BFB Injection Date: 01/03/2014

Instrument ID: CHC.i BFB Injection Time: 07:37

Analysis Batch No.: 66774

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.4	
75	30.0 - 66.0% of mass 95	49.0	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	67.2	
175	4.0 - 9.0 % of mass 174	4.6	(6.8)1
176	93.0 - 101.0% of mass 174	64.6	(96.1)1
177	5.0 - 9.0% of mass 176	4.2	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-66774/3	cma003.D	01/03/2014	09:43
	IC 200-66774/4	cma004.D	01/03/2014	10:35
	IC 200-66774/5	cma005.D	01/03/2014	11:28
	IC 200-66774/6	cma006.D	01/03/2014	12:20
	ICIS 200-66774/7	cma007.D	01/03/2014	13:12
	IC 200-66774/8	cma008.D	01/03/2014	14:04
	IC 200-66774/9	cma009.D	01/03/2014	14:56
	IC 200-66774/10	cma010.D	01/03/2014	15:48
	ICV 200-66774/13	cma013.D	01/03/2014	17:25

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab File ID: 6163_01.D BFB Injection Date: 02/14/2014

Instrument ID: CHC.i BFB Injection Time: 14:13

Analysis Batch No.: 68401

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.8	
75	30.0 - 66.0% of mass 95	46.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	64.2	
175	4.0 - 9.0 % of mass 174	4.5	(7.1)1
176	93.0 - 101.0% of mass 174	62.0	(96.6)1
177	5.0 - 9.0% of mass 176	4.0	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-68401/3	6163_03.D	02/14/2014	15:59
	LCS 200-68401/4	6163_04.D	02/14/2014	16:57
	MB 200-68401/6	6163_06.D	02/14/2014	18:41
SDS-2	200-20861-2	6163_19.D	02/15/2014	07:41
SDS-3	200-20861-3	6163_20.D	02/15/2014	08:34
SDS-4	200-20861-4	6163_21.D	02/15/2014	09:26
SDS-5	200-20861-5	6163_22.D	02/15/2014	10:17

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab File ID: 6176_01.D BFB Injection Date: 02/17/2014

Instrument ID: CHC.i BFB Injection Time: 10:16

Analysis Batch No.: 68430

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.1	
75	30.0 - 66.0% of mass 95	47.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	64.7	
175	4.0 - 9.0 % of mass 174	4.5	(6.9)1
176	93.0 - 101.0% of mass 174	62.6	(96.8)1
177	5.0 - 9.0% of mass 176	4.0	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-68430/3	6176_03.D	02/17/2014	12:00
	LCS 200-68430/4	6176_04.D	02/17/2014	12:53
	MB 200-68430/5	6176_05.D	02/17/2014	13:45
SDS-1	200-20861-1	6176_06.D	02/17/2014	14:39
SSDS-MID-CARBON	200-20861-9	6176_20.D	02/18/2014	02:47

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab File ID: 6208_01.D BFB Injection Date: 02/18/2014

Instrument ID: CHC.i BFB Injection Time: 12:25

Analysis Batch No.: 68510

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.4	
75	30.0 - 66.0% of mass 95	46.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	65.7	
175	4.0 - 9.0 % of mass 174	4.6	(7.0)1
176	93.0 - 101.0% of mass 174	63.1	(96.0)1
177	5.0 - 9.0% of mass 176	4.1	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-68510/3	6208_03.D	02/18/2014	14:07
	LCS 200-68510/4	6208_04.D	02/18/2014	14:59
	MB 200-68510/5	6208_05.D	02/18/2014	15:51
SDS-6	200-20861-6	6208_07.D	02/18/2014	17:36
SDS-7	200-20861-7	6208_08.D	02/18/2014	18:28
SDS-8	200-20861-8	6208_09.D	02/18/2014	19:20
SSDS-EFFLUENT	200-20861-10	6208_10.D	02/18/2014	20:12

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Sample No.: ICIS 200-66774/7 Date Analyzed: 01/03/2014 13:12

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): cma007.D Heated Purge: (Y/N) N

Calibration ID: 25229

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		524149	10.94	2939250	13.01	2821366	19.15
UPPER LIMIT		733809	11.27	4114950	13.34	3949912	19.48
LOWER LIMIT		314489	10.61	1763550	12.68	1692820	18.82
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-66774/13		545172	10.94	3224050	13.01	3112926	19.15

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Sample No.: CCVIS 200-68401/3 Date Analyzed: 02/14/2014 15:59

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6163_03.D Heated Purge: (Y/N) N

Calibration ID: 25229

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		471097	10.93	2627371	13.00	2523132	19.14
UPPER LIMIT		659536	11.26	3678319	13.33	3532385	19.47
LOWER LIMIT		282658	10.60	1576423	12.67	1513879	18.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-68401/4		472566	10.93	2630916	13.00	2529083	19.14
MB 200-68401/6		451143	10.93	2572621	13.00	2389336	19.14
200-20861-2	SDS-2	372813	10.93	1940692	13.00	1762310	19.14
200-20861-3	SDS-3	345986	10.93	1797215	13.00	1626480	19.14
200-20861-4	SDS-4	350686	10.93	1791009	13.00	1693946	19.14
200-20861-5	SDS-5	361751	10.93	1870755	13.00	1723068	19.14

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Sample No.: CCVIS 200-68430/3 Date Analyzed: 02/17/2014 12:00

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6176_03.D Heated Purge: (Y/N) N

Calibration ID: 25229

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		471233	10.92	2601360	12.99	2498862	19.13
UPPER LIMIT		659726	11.25	3641904	13.32	3498407	19.46
LOWER LIMIT		282740	10.59	1560816	12.66	1499317	18.80
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-68430/4		466400	10.93	2608988	13.00	2495803	19.14
MB 200-68430/5		434025	10.92	2449473	12.99	2236271	19.13
200-20861-1	SDS-1	362494	10.92	1930265	12.99	1798574	19.13
200-20861-9	SSDS-MID-CARBON	379607	10.93	2028228	12.99	1802903	19.13

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Sample No.: CCVIS 200-68510/3 Date Analyzed: 02/18/2014 14:07

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6208_03.D Heated Purge: (Y/N) N

Calibration ID: 25229

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		461785	10.93	2552401	13.00	2459389	19.14
UPPER LIMIT		646499	11.26	3573361	13.33	3443145	19.47
LOWER LIMIT		277071	10.60	1531441	12.67	1475633	18.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-68510/4		456874	10.93	2553095	13.00	2452220	19.14
MB 200-68510/5		439060	10.92	2500471	12.99	2333172	19.13
200-20861-6	SDS-6	400837	10.93	2153562	12.99	1965002	19.13
200-20861-7	SDS-7	351055	10.92	1846713	12.99	1617876	19.13
200-20861-8	SDS-8	333603	10.92	1728044	12.99	1556344	19.13
200-20861-10	SSDS-EFFLUENT	379074	10.92	2029297	12.99	1826309	19.13

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-1 Lab Sample ID: 200-20861-1

Matrix: Air Lab File ID: 6176_06.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:05

Sample wt/vol: 25(mL) Date Analyzed: 02/17/2014 14:39

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.2	J	4.0	0.24
75-45-6	Freon 22	86.47	4.0	U	4.0	0.38
76-14-2	Freon-114	170.92	1.6	U	1.6	0.28
74-87-3	Chloromethane	50.49	4.0	U	4.0	1.1
106-97-8	n-Butane	58.12	8.3		4.0	2.3
75-01-4	Vinyl chloride	62.50	0.32	U	0.32	0.30
106-99-0	1,3-Butadiene	54.09	1.6	U	1.6	0.34
74-83-9	Bromomethane	94.94	1.6	U	1.6	0.22
75-00-3	Chloroethane	64.52	4.0	U	4.0	0.24
593-60-2	Vinyl bromide	106.96	1.6	U	1.6	0.24
75-69-4	Freon 11	137.37	0.81	J	1.6	0.24
76-13-1	Freon 113	187.38	1.6	U	1.6	0.14
75-35-4	1,1-Dichloroethene	96.94	1.6	U	1.6	0.19
67-64-1	Acetone	58.08	40	U	40	10
67-63-0	Isopropyl alcohol	60.10	40	U	40	1.7
75-15-0	Carbon disulfide	76.14	2.1	J	4.0	0.53
107-05-1	Allyl chloride	76.53	4.0	U	4.0	0.27
75-09-2	Methylene Chloride	84.93	4.0	U	4.0	1.0
75-65-0	tert-Butyl alcohol	74.12	40	U	40	2.6
1634-04-4	Methyl tert-butyl ether	88.15	1.6	U	1.6	0.18
156-60-5	trans-1,2-Dichloroethene	96.94	1.6	U	1.6	0.23
110-54-3	Hexane	86.17	1.5	J	1.6	0.27
75-34-3	1,1-Dichloroethane	98.96	1.6	U	1.6	0.30
78-93-3	Methyl Ethyl Ketone	72.11	4.0	U	4.0	1.9
156-59-2	cis-1,2-Dichloroethene	96.94	2.6		1.6	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	2.6		1.6	0.51
67-66-3	Chloroform	119.38	1.6	U	1.6	0.20
109-99-9	Tetrahydrofuran	72.11	40	U	40	0.37
71-55-6	1,1,1-Trichloroethane	133.41	1.6	U	1.6	0.17
110-82-7	Cyclohexane	84.16	1.6	U	1.6	0.20
56-23-5	Carbon tetrachloride	153.81	0.32	U	0.32	0.17
540-84-1	2,2,4-Trimethylpentane	114.23	1.7		1.6	0.22
71-43-2	Benzene	78.11	0.84	J	1.6	0.15
107-06-2	1,2-Dichloroethane	98.96	1.6	U	1.6	0.14
142-82-5	Heptane	100.21	1.6	U	1.6	0.37

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-1 Lab Sample ID: 200-20861-1

Matrix: Air Lab File ID: 6176_06.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:05

Sample wt/vol: 25(mL) Date Analyzed: 02/17/2014 14:39

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	7.2		0.32	0.19
80-62-6	Methyl methacrylate	100.12	4.0	U	4.0	0.24
78-87-5	1,2-Dichloropropane	112.99	1.6	U	1.6	0.26
123-91-1	1,4-Dioxane	88.11	40	U	40	1.6
75-27-4	Bromodichloromethane	163.83	1.6	U	1.6	0.14
10061-01-5	cis-1,3-Dichloropropene	110.97	1.6	U	1.6	0.22
108-10-1	methyl isobutyl ketone	100.16	4.0	U	4.0	0.22
108-88-3	Toluene	92.14	0.80	J	1.6	0.14
10061-02-6	trans-1,3-Dichloropropene	110.97	1.6	U	1.6	0.18
79-00-5	1,1,2-Trichloroethane	133.41	1.6	U	1.6	0.14
127-18-4	Tetrachloroethene	165.83	170		1.6	0.13
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.0	U	4.0	1.6
124-48-1	Dibromochloromethane	208.29	1.6	U	1.6	0.16
106-93-4	1,2-Dibromoethane	187.87	1.6	U	1.6	0.16
108-90-7	Chlorobenzene	112.56	1.6	U	1.6	0.065
100-41-4	Ethylbenzene	106.17	0.34	J	1.6	0.10
179601-23-1	m,p-Xylene	106.17	0.87	J	4.0	0.18
95-47-6	Xylene, o-	106.17	0.25	J	1.6	0.13
1330-20-7	Xylene (total)	106.17	1.1	J	1.6	0.27
100-42-5	Styrene	104.15	1.6	U	1.6	0.14
75-25-2	Bromoform	252.75	1.6	U	1.6	0.080
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.6	U	1.6	0.13
103-65-1	n-Propylbenzene	120.19	1.6	U	1.6	0.64
622-96-8	4-Ethyltoluene	120.20	1.6	U	1.6	0.14
108-67-8	1,3,5-Trimethylbenzene	120.20	1.6	U	1.6	0.096
95-49-8	2-Chlorotoluene	126.59	1.6	U	1.6	0.10
98-06-6	tert-Butylbenzene	134.22	1.6	U	1.6	0.14
95-63-6	1,2,4-Trimethylbenzene	120.20	1.6	U	1.6	0.11
135-98-8	sec-Butylbenzene	134.22	1.6	U	1.6	0.64
99-87-6	4-Isopropyltoluene	134.22	1.6	U	1.6	0.64
541-73-1	1,3-Dichlorobenzene	147.00	1.6	U	1.6	0.11
106-46-7	1,4-Dichlorobenzene	147.00	1.6	U	1.6	0.11
100-44-7	Benzyl chloride	126.58	1.6	U	1.6	0.64
104-51-8	n-Butylbenzene	134.22	1.6	U	1.6	0.64

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-1 Lab Sample ID: 200-20861-1

Matrix: Air Lab File ID: 6176_06.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:05

Sample wt/vol: 25(mL) Date Analyzed: 02/17/2014 14:39

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.6	U	1.6	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	4.0	U	4.0	0.22
87-68-3	Hexachloro-1,3-butadiene	260.76	1.6	U	1.6	0.18
91-20-3	Naphthalene	128.17	4.0	U ^ *	4.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-1 Lab Sample ID: 200-20861-1

Matrix: Air Lab File ID: 6176_06.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:05

Sample wt/vol: 25(mL) Date Analyzed: 02/17/2014 14:39

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	11	J	20	1.2
75-45-6	Freon 22	86.47	14	U	14	1.4
76-14-2	Freon-114	170.92	11	U	11	2.0
74-87-3	Chloromethane	50.49	8.3	U	8.3	2.2
106-97-8	n-Butane	58.12	20		9.5	5.4
75-01-4	Vinyl chloride	62.50	0.82	U	0.82	0.78
106-99-0	1,3-Butadiene	54.09	3.5	U	3.5	0.74
74-83-9	Bromomethane	94.94	6.2	U	6.2	0.87
75-00-3	Chloroethane	64.52	11	U	11	0.63
593-60-2	Vinyl bromide	106.96	7.0	U	7.0	1.0
75-69-4	Freon 11	137.37	4.6	J	9.0	1.3
76-13-1	Freon 113	187.38	12	U	12	1.1
75-35-4	1,1-Dichloroethene	96.94	6.3	U	6.3	0.76
67-64-1	Acetone	58.08	95	U	95	24
67-63-0	Isopropyl alcohol	60.10	98	U	98	4.2
75-15-0	Carbon disulfide	76.14	6.5	J	12	1.6
107-05-1	Allyl chloride	76.53	13	U	13	0.85
75-09-2	Methylene Chloride	84.93	14	U	14	3.5
75-65-0	tert-Butyl alcohol	74.12	120	U	120	8.0
1634-04-4	Methyl tert-butyl ether	88.15	5.8	U	5.8	0.63
156-60-5	trans-1,2-Dichloroethene	96.94	6.3	U	6.3	0.92
110-54-3	Hexane	86.17	5.3	J	5.6	0.96
75-34-3	1,1-Dichloroethane	98.96	6.5	U	6.5	1.2
78-93-3	Methyl Ethyl Ketone	72.11	12	U	12	5.7
156-59-2	cis-1,2-Dichloroethene	96.94	10		6.3	1.2
540-59-0	1,2-Dichloroethene, Total	96.94	10		6.3	2.0
67-66-3	Chloroform	119.38	7.8	U	7.8	0.98
109-99-9	Tetrahydrofuran	72.11	120	U	120	1.1
71-55-6	1,1,1-Trichloroethane	133.41	8.7	U	8.7	0.92
110-82-7	Cyclohexane	84.16	5.5	U	5.5	0.69
56-23-5	Carbon tetrachloride	153.81	2.0	U	2.0	1.1
540-84-1	2,2,4-Trimethylpentane	114.23	7.8		7.5	1.0
71-43-2	Benzene	78.11	2.7	J	5.1	0.49
107-06-2	1,2-Dichloroethane	98.96	6.5	U	6.5	0.55
142-82-5	Heptane	100.21	6.6	U	6.6	1.5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-1 Lab Sample ID: 200-20861-1

Matrix: Air Lab File ID: 6176_06.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:05

Sample wt/vol: 25(mL) Date Analyzed: 02/17/2014 14:39

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	39		1.7	1.0
80-62-6	Methyl methacrylate	100.12	16	U	16	0.98
78-87-5	1,2-Dichloropropane	112.99	7.4	U	7.4	1.2
123-91-1	1,4-Dioxane	88.11	140	U	140	5.8
75-27-4	Bromodichloromethane	163.83	11	U	11	0.91
10061-01-5	cis-1,3-Dichloropropene	110.97	7.3	U	7.3	1.0
108-10-1	methyl isobutyl ketone	100.16	16	U	16	0.88
108-88-3	Toluene	92.14	3.0	J	6.0	0.51
10061-02-6	trans-1,3-Dichloropropene	110.97	7.3	U	7.3	0.80
79-00-5	1,1,2-Trichloroethane	133.41	8.7	U	8.7	0.74
127-18-4	Tetrachloroethene	165.83	1200		11	0.87
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	16	U	16	6.6
124-48-1	Dibromochloromethane	208.29	14	U	14	1.4
106-93-4	1,2-Dibromoethane	187.87	12	U	12	1.2
108-90-7	Chlorobenzene	112.56	7.4	U	7.4	0.30
100-41-4	Ethylbenzene	106.17	1.5	J	6.9	0.45
179601-23-1	m,p-Xylene	106.17	3.8	J	17	0.80
95-47-6	Xylene, o-	106.17	1.1	J	6.9	0.56
1330-20-7	Xylene (total)	106.17	4.9	J	6.9	1.2
100-42-5	Styrene	104.15	6.8	U	6.8	0.61
75-25-2	Bromoform	252.75	17	U	17	0.83
79-34-5	1,1,2,2-Tetrachloroethane	167.85	11	U	11	0.88
103-65-1	n-Propylbenzene	120.19	7.9	U	7.9	3.1
622-96-8	4-Ethyltoluene	120.20	7.9	U	7.9	0.71
108-67-8	1,3,5-Trimethylbenzene	120.20	7.9	U	7.9	0.47
95-49-8	2-Chlorotoluene	126.59	8.3	U	8.3	0.54
98-06-6	tert-Butylbenzene	134.22	8.8	U	8.8	0.75
95-63-6	1,2,4-Trimethylbenzene	120.20	7.9	U	7.9	0.55
135-98-8	sec-Butylbenzene	134.22	8.8	U	8.8	3.5
99-87-6	4-Isopropyltoluene	134.22	8.8	U	8.8	3.5
541-73-1	1,3-Dichlorobenzene	147.00	9.6	U	9.6	0.67
106-46-7	1,4-Dichlorobenzene	147.00	9.6	U	9.6	0.67
100-44-7	Benzyl chloride	126.58	8.3	U	8.3	3.3
104-51-8	n-Butylbenzene	134.22	8.8	U	8.8	3.5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-1 Lab Sample ID: 200-20861-1

Matrix: Air Lab File ID: 6176_06.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:05

Sample wt/vol: 25(mL) Date Analyzed: 02/17/2014 14:39

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.6	U	9.6	0.67
120-82-1	1,2,4-Trichlorobenzene	181.45	30	U	30	1.6
87-68-3	Hexachloro-1,3-butadiene	260.76	17	U	17	1.9
91-20-3	Naphthalene	128.17	21	U ^ *	21	8.4

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_06.D
Lims ID: 200-20861-A-1 Lab Sample ID: 200-20861-1
Client ID: SDS-1
Sample Type: Client
Inject. Date: 17-Feb-2014 14:39:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 8.0000
Sample Info: 200-0006176-006
Misc. Info.: 20861-01
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Feb-2014 12:25:46 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: desjardinsb Date: 18-Feb-2014 12:25:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.256	3.256	0.0	84	16716	0.2740	
6 Chlorodifluoromethane	51		3.315					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.544					
8 Chloromethane	50		3.699					
9 Butane	43	3.918	3.918	0.0	91	14354	1.04	
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.793					
13 Chloroethane	64		5.049					
15 Vinyl bromide	106		5.465					
16 Trichlorofluoromethane	101	5.577	5.572	0.005	44	7327	0.1018	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.714					
23 1,1-Dichloroethene	96		6.757					
25 Acetone	43		7.040					
26 Carbon disulfide	76	7.146	7.147	-0.001	79	16491	0.2607	
28 Isopropyl alcohol	45		7.360					
29 3-Chloro-1-propene	41		7.595					
31 Methylene Chloride	49		7.904					
32 2-Methyl-2-propanol	59		8.161					
33 Methyl tert-butyl ether	73		8.321					
34 trans-1,2-Dichloroethene	61		8.347					
36 Hexane	57	8.737	8.742	-0.005	63	4384	0.1864	
37 1,1-Dichloroethane	63		9.271					
S 39 1,2-Dichloroethene, Total	61				0		0.3306	
40 cis-1,2-Dichloroethene	96	10.439	10.434	0.005	62	11370	0.3306	
41 2-Butanone (MEK)	72		10.509					
* 43 Chlorobromomethane	128	10.920	10.920	0.0	65	362494	10.0	
44 Tetrahydrofuran	42		10.936					
45 Chloroform	83		11.064					
46 Cyclohexane	84		11.293					
47 1,1,1-Trichloroethane	97		11.341					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	49 Carbon tetrachloride	117		11.592					
	50 Isooctane	57	12.056	12.051	0.005	91	23854	0.2090	
	51 Benzene	78	12.099	12.099	0.0	53	10470	0.1044	
	52 1,2-Dichloroethane	62		12.302					
	53 n-Heptane	43		12.462					
*	54 1,4-Difluorobenzene	114	12.990	12.990	0.0	92	1930265	10.0	
	56 Trichloroethene	95	13.471	13.476	-0.005	95	46453	0.8983	
	58 1,2-Dichloropropane	63		14.074					
	59 Methyl methacrylate	69		14.250					
	60 1,4-Dioxane	88		14.319					
	62 Dichlorobromomethane	83		14.645					
	64 cis-1,3-Dichloropropene	75		15.600					
	65 4-Methyl-2-pentanone (MIBK)	43		15.910					
	66 Toluene	92	16.198	16.198	0.0	73	8855	0.0999	
	70 trans-1,3-Dichloropropene	75		16.812					
	71 1,1,2-Trichloroethane	83		17.196					
	72 Tetrachloroethene	166	17.281	17.281	0.0	97	1654471	21.4	
	73 2-Hexanone	43		17.655					
	74 Chlorodibromomethane	129		17.964					
	75 Ethylene Dibromide	107		18.237					
*	76 Chlorobenzene-d5	117	19.133	19.133	0.0	81	1798574	10.0	
	77 Chlorobenzene	112		19.197					
	79 Ethylbenzene	91	19.341	19.347	-0.006	40	7988	0.0420	
	81 m-Xylene & p-Xylene	106	19.587	19.592	-0.005	87	8653	0.1093	
S	82 Xylenes, Total	106		20.100					
	83 o-Xylene	106	20.398	20.403	-0.005	20	2394	0.0309	
	84 Styrene	104		20.451					
	85 Bromoform	173		20.852					
$	87 4-Bromofluorobenzene	95	21.391	21.391	0.0	95	1262048	NC	
	88 1,1,2,2-Tetrachloroethane	83		21.658					
	89 N-Propylbenzene	91		21.722					
	92 4-Ethyltoluene	105		21.898					
	93 2-Chlorotoluene	91		21.914					
	94 1,3,5-Trimethylbenzene	105		21.999					
	96 tert-Butylbenzene	119		22.469					
	97 1,2,4-Trimethylbenzene	105		22.560					
	98 sec-Butylbenzene	105		22.784					
	99 4-Isopropyltoluene	119		22.981					
	100 1,3-Dichlorobenzene	146		23.018					
	101 1,4-Dichlorobenzene	146		23.157					
	102 Benzyl chloride	91		23.365					
	103 n-Butylbenzene	91		23.568					
	105 1,2-Dichlorobenzene	146		23.712					
	107 1,2,4-Trichlorobenzene	180		26.343					
	108 Hexachlorobutadiene	225		26.530					
	109 Naphthalene	128		26.872					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

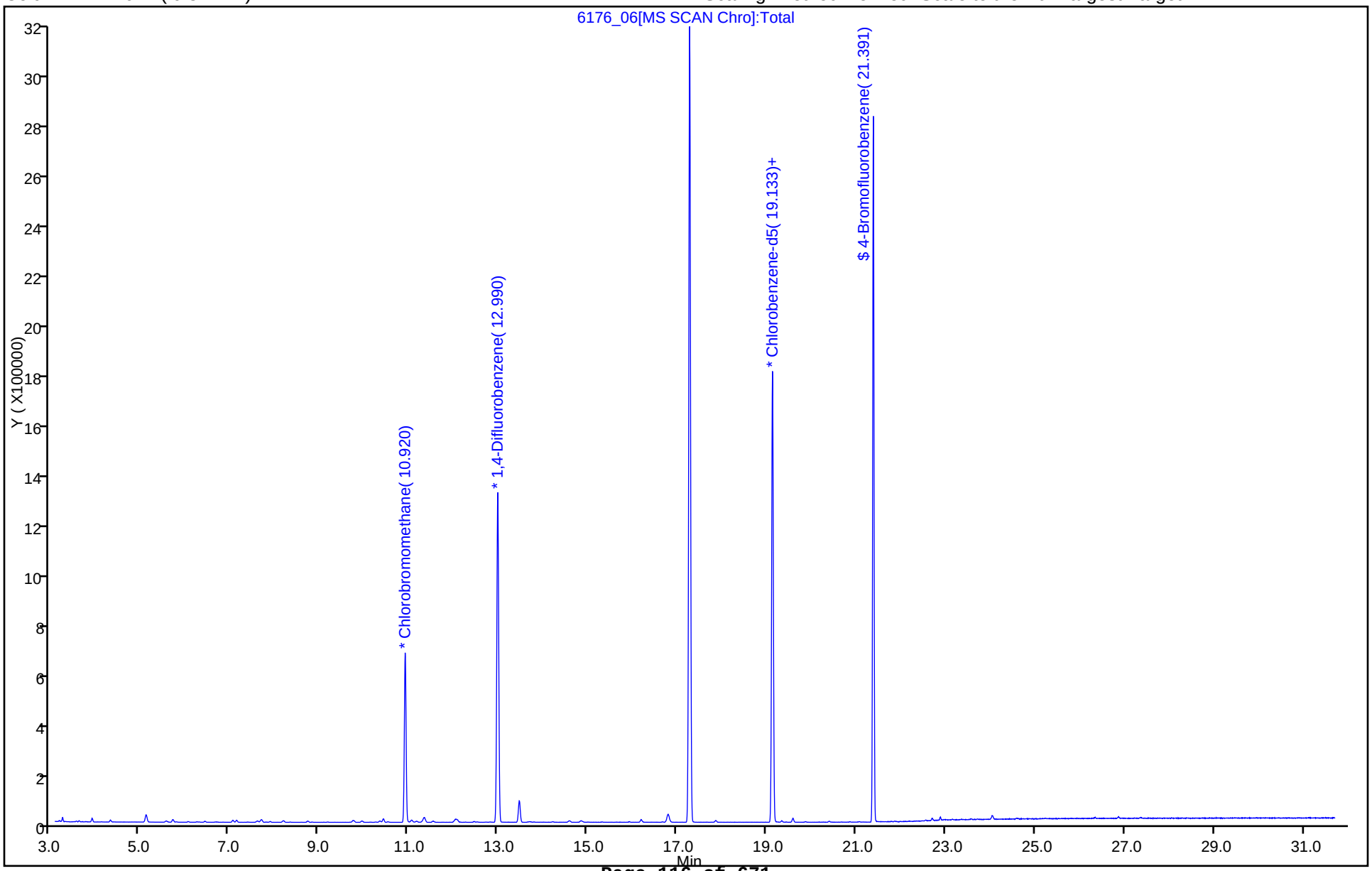
Report Date: 18-Feb-2014 12:25:46 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_06.D

Injection Date:	17-Feb-2014 14:39:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-20861-A-1	Lab Sample ID:	200-20861-1	Worklist Smp#:	6
Client ID:	SDS-1				
Purge Vol:	200.000 mL	Dil. Factor:	8.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 18-Feb-2014 12:25:46 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

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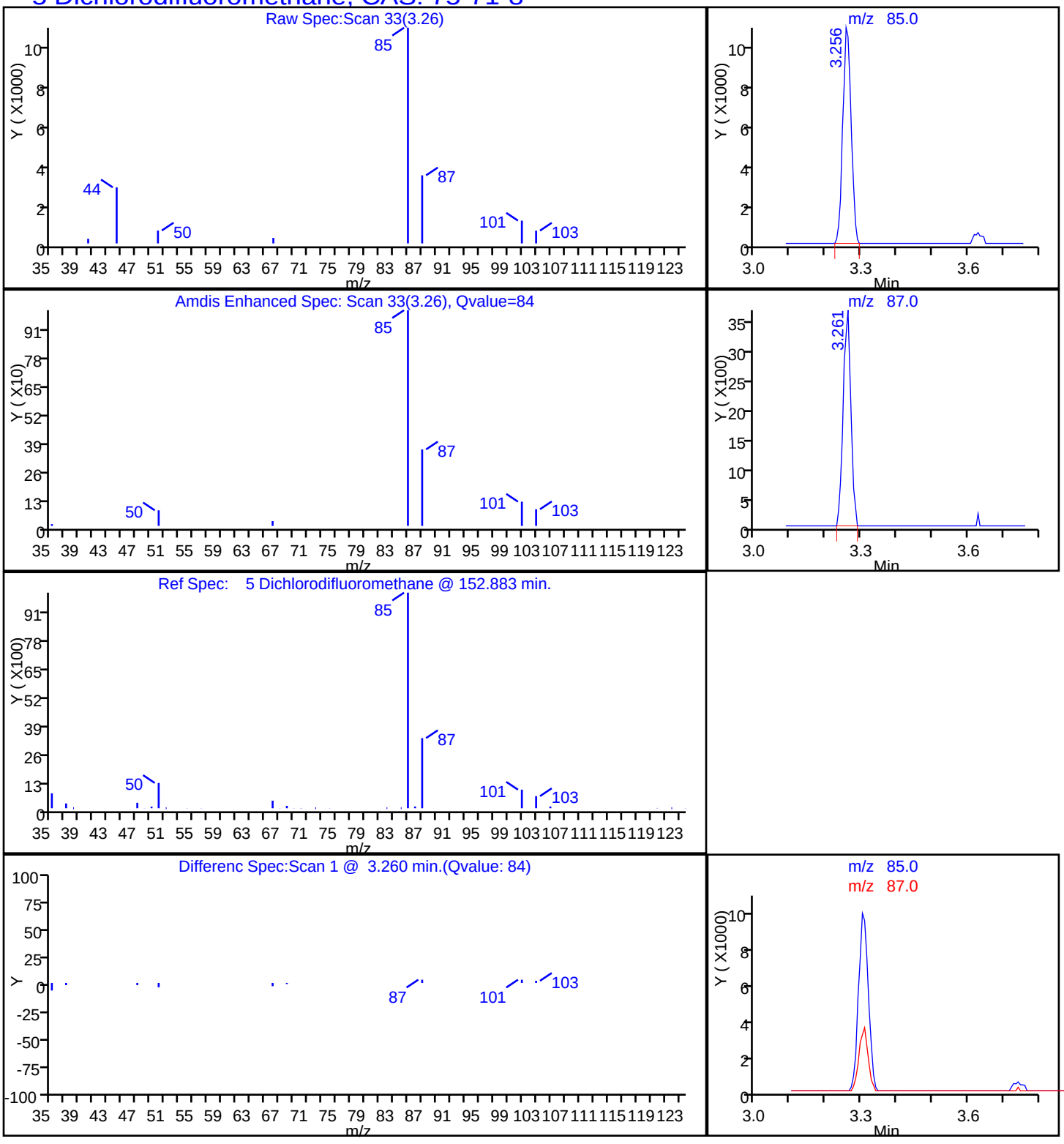
Injection Date:	17-Feb-2014 14:39:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-1	Lab Sample ID:	200-20861-1		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Dichlorodifluoromethane, CAS: 75-71-8



Report Date: 18-Feb-2014 12:25:46 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

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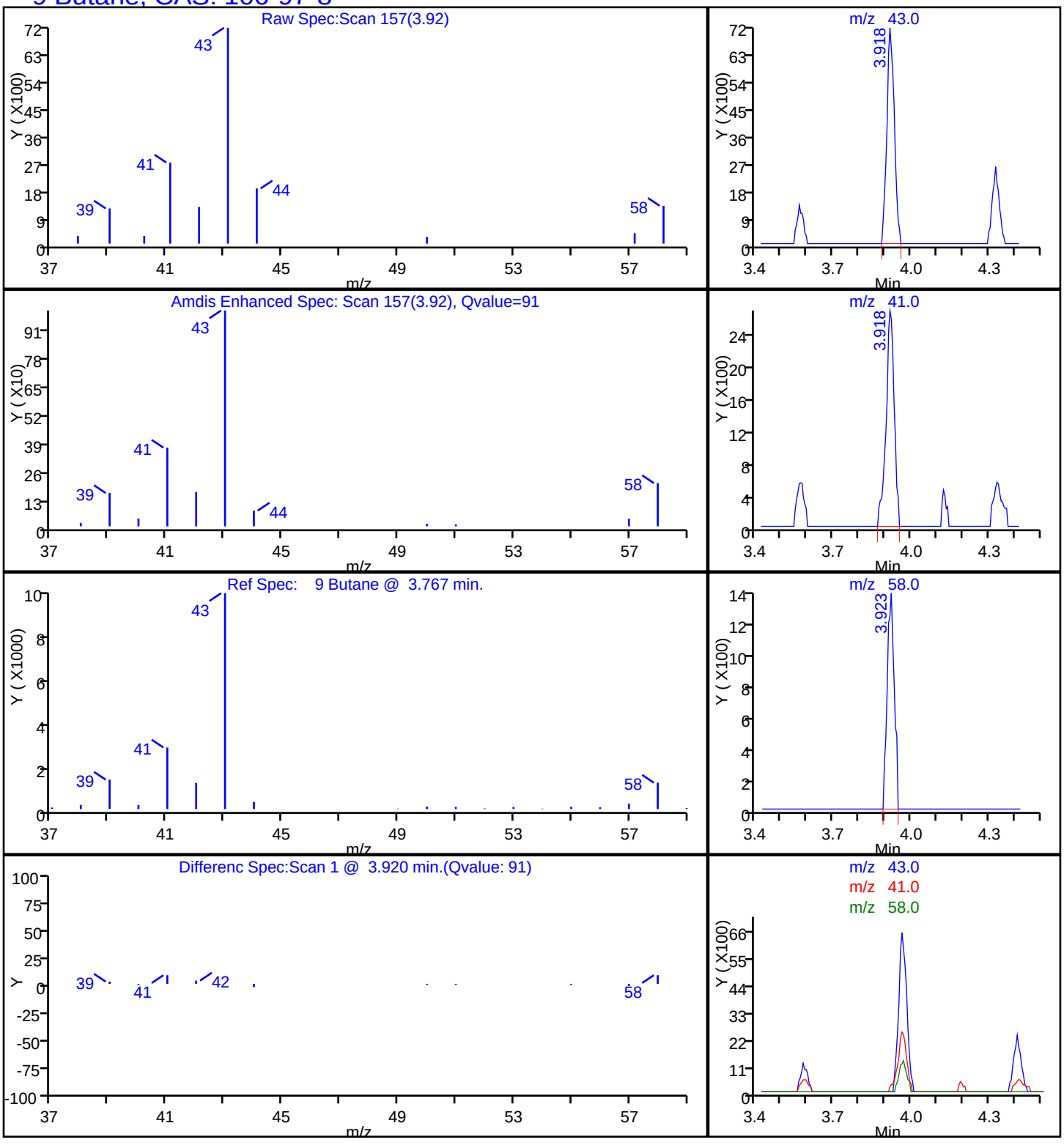
Injection Date:	17-Feb-2014 14:39:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-1	Lab Sample ID:	200-20861-1		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



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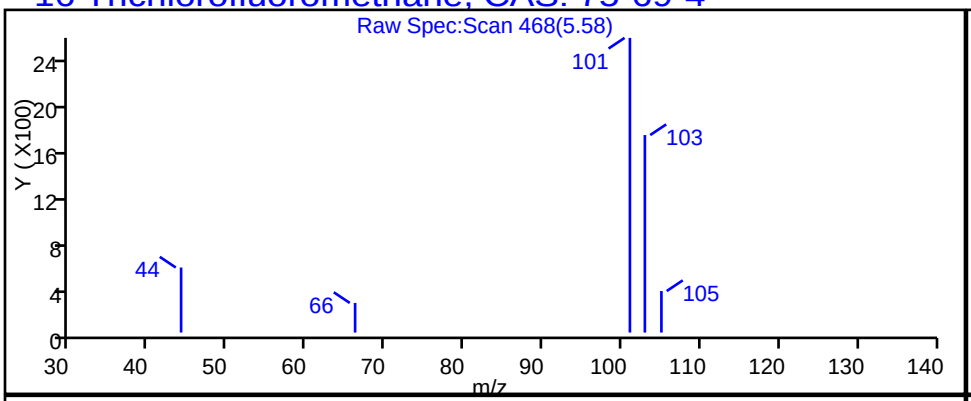
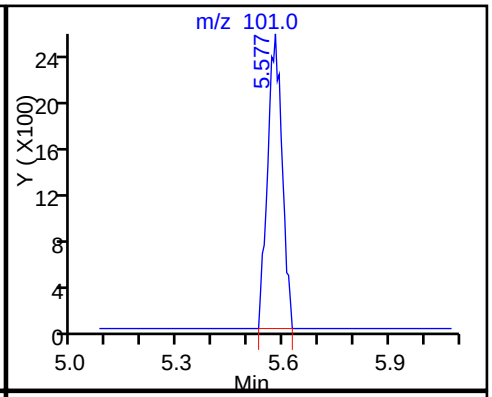
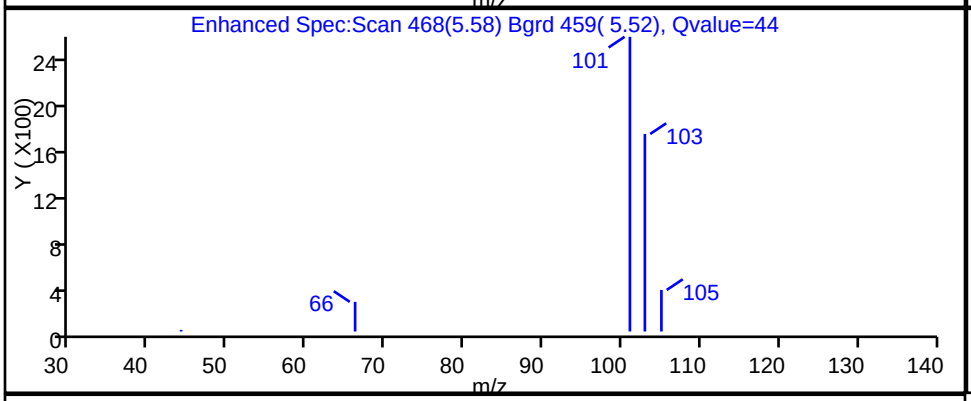
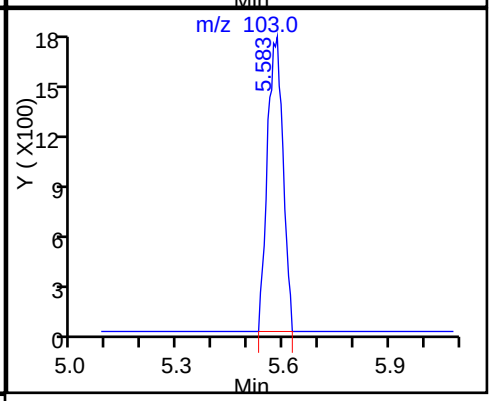
Injection Date:	17-Feb-2014 14:39:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-1	Lab Sample ID:	200-20861-1		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

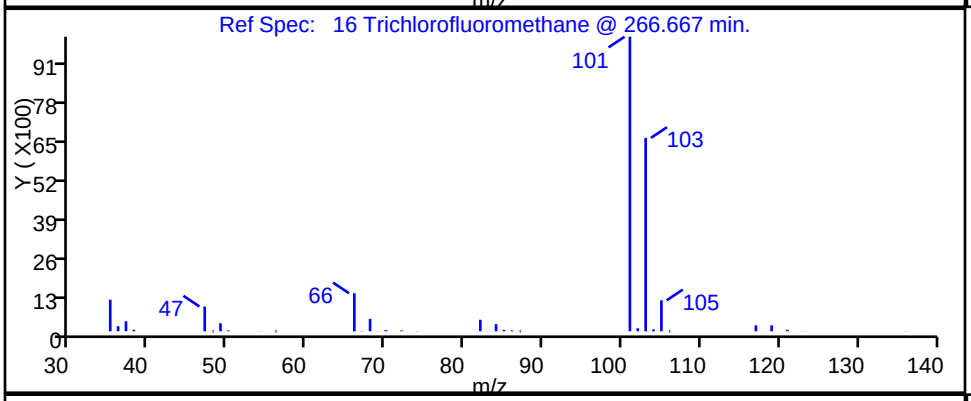
16 Trichlorofluoromethane, CAS: 75-69-4

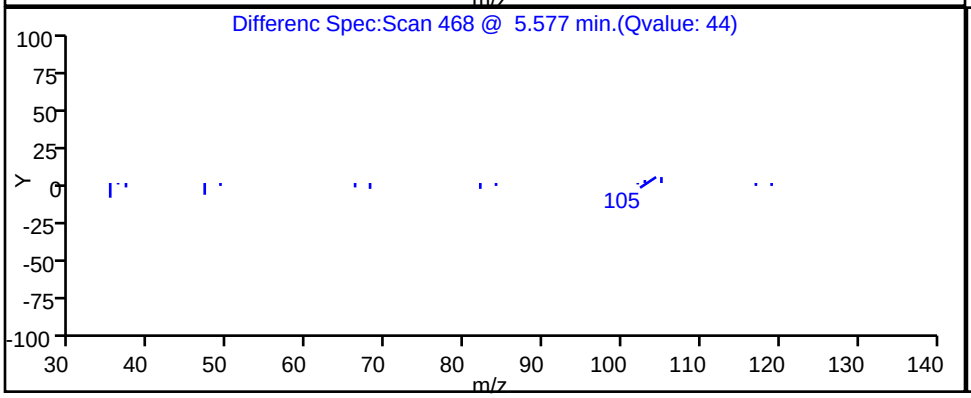


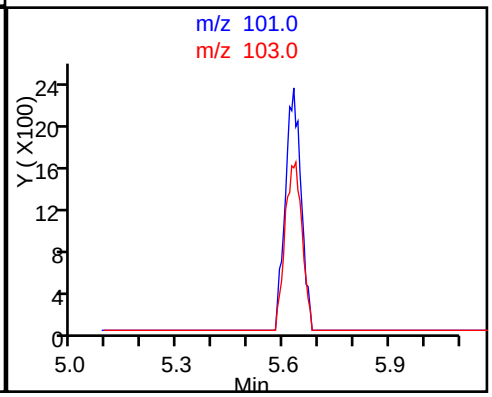












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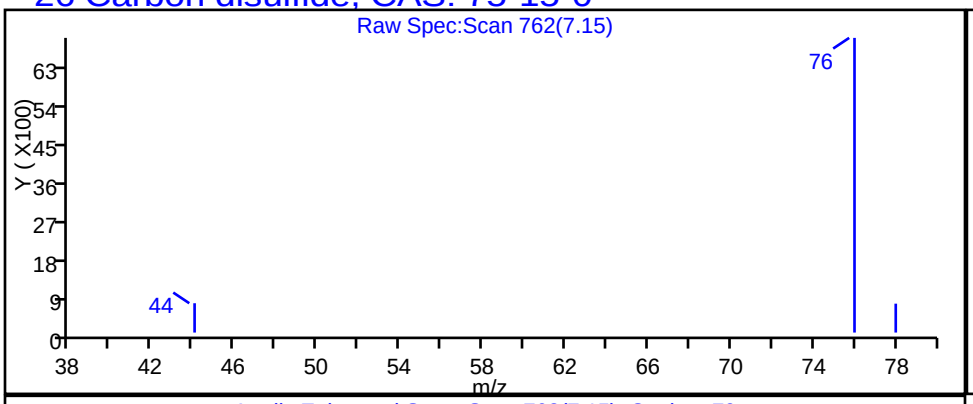
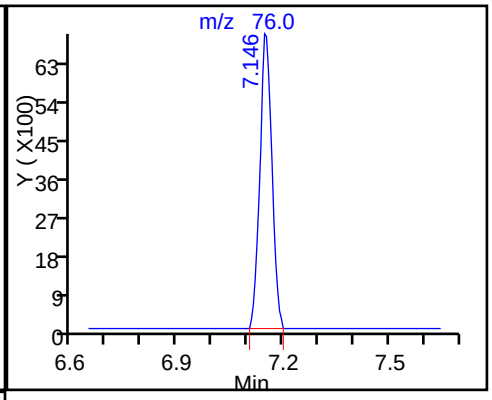
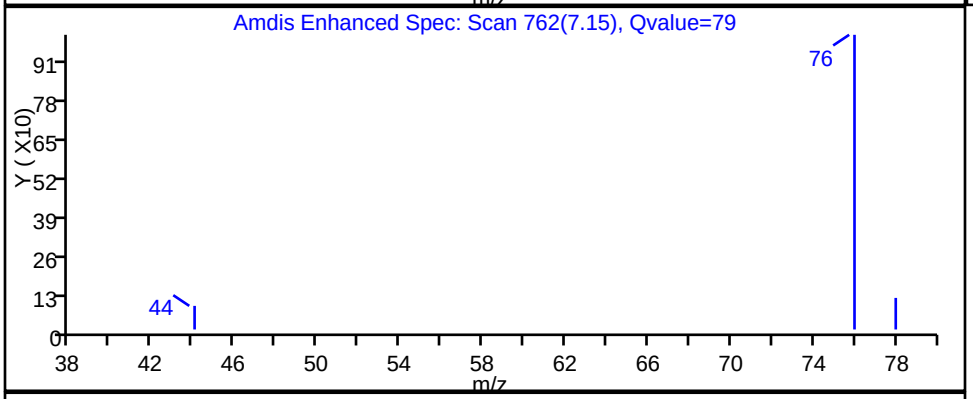
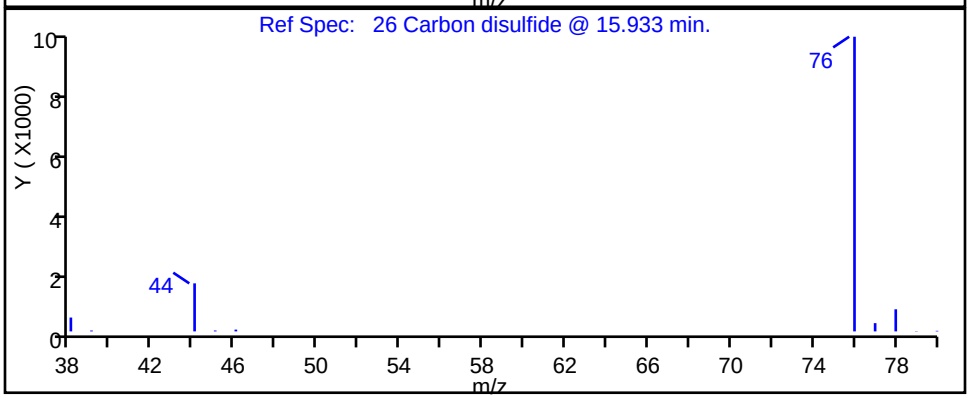
Lims ID:	200-20861-A-1	Lab Sample ID:	200-20861-1		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0









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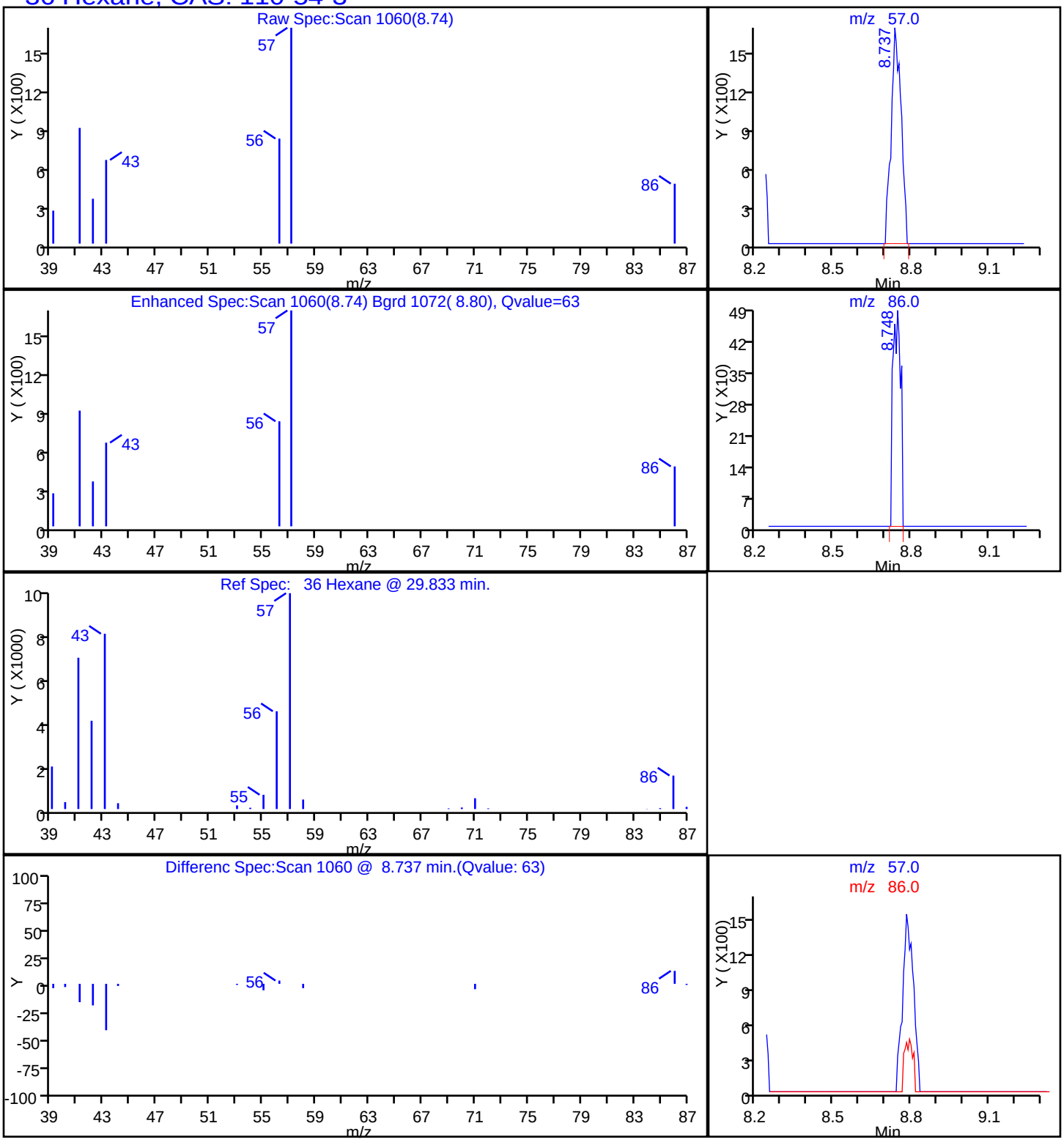
Lims ID:	200-20861-A-1	Lab Sample ID:	200-20861-1		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



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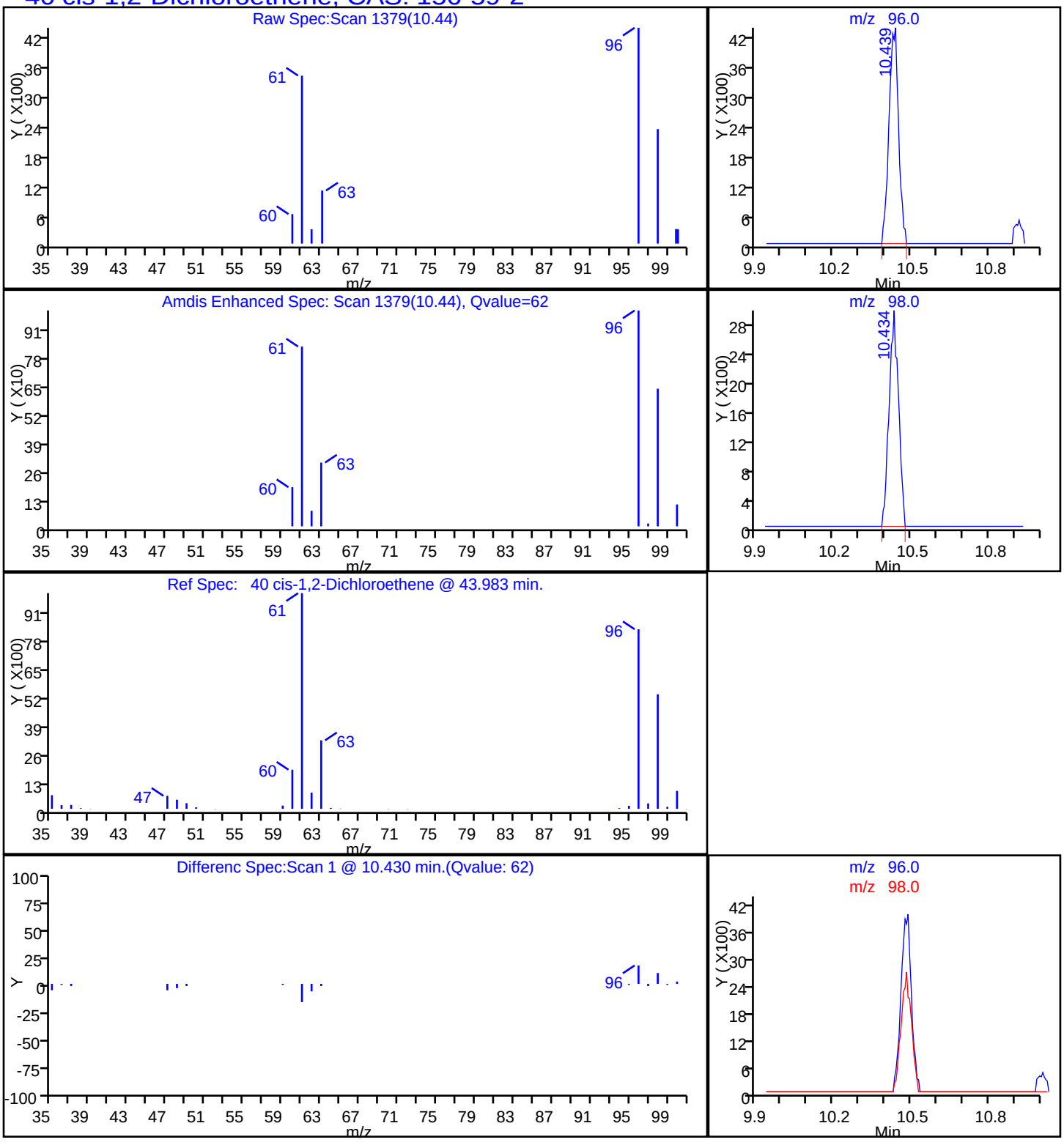
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 cis-1,2-Dichloroethene, CAS: 156-59-2



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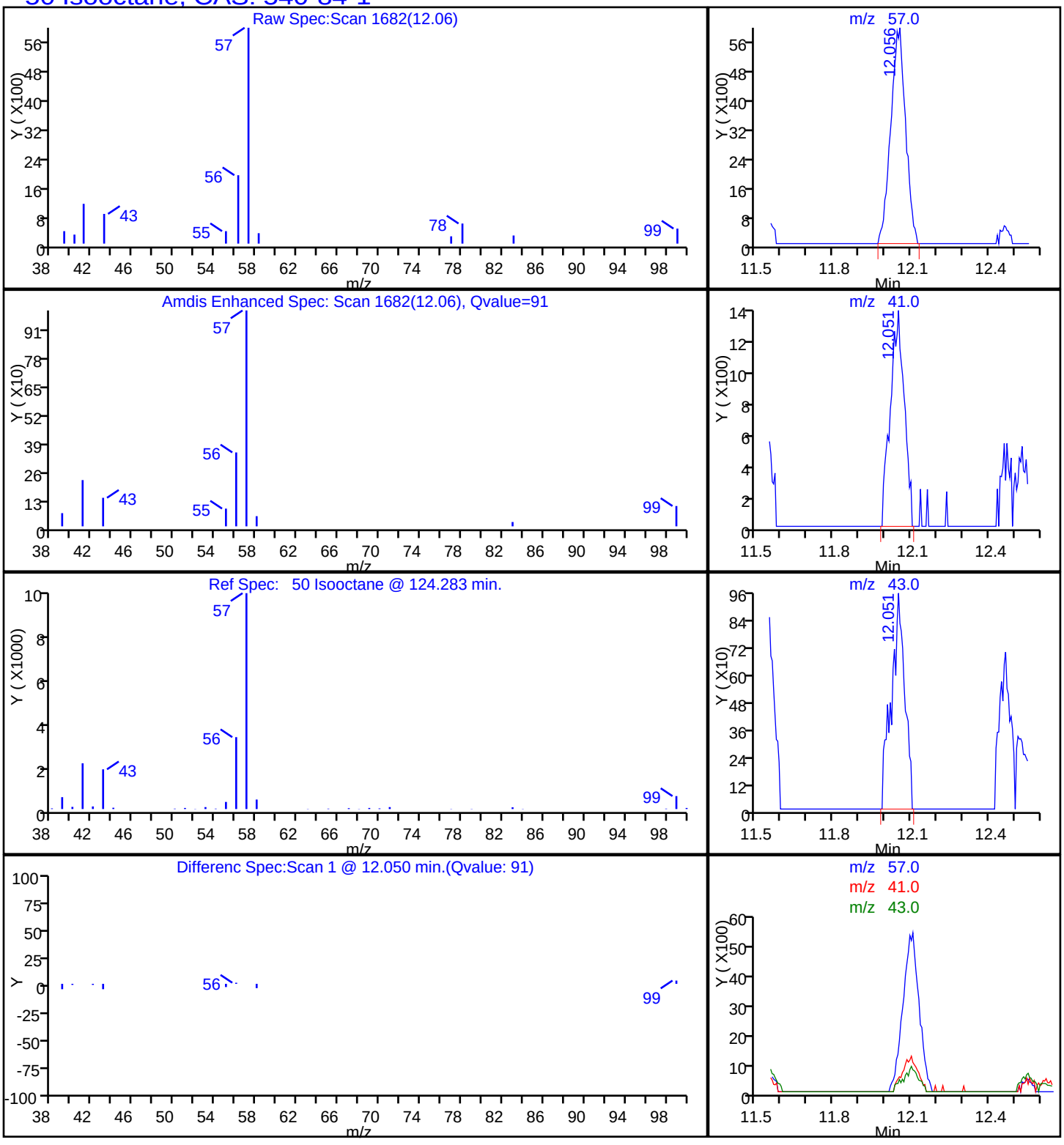
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Isooctane, CAS: 540-84-1



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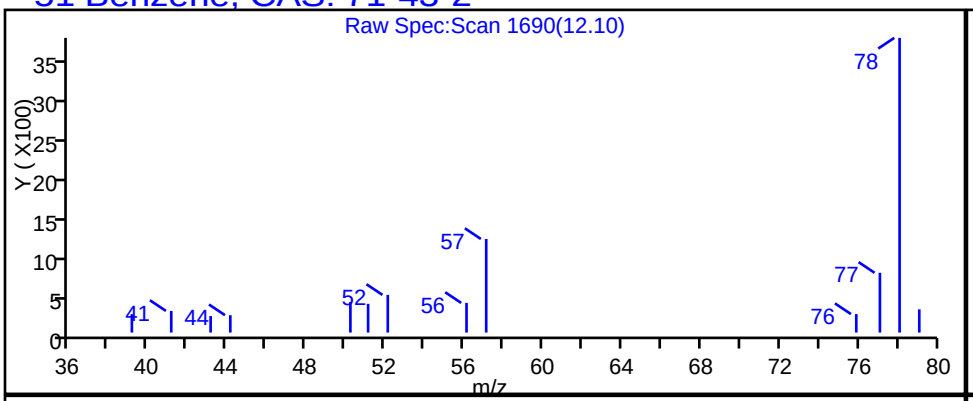
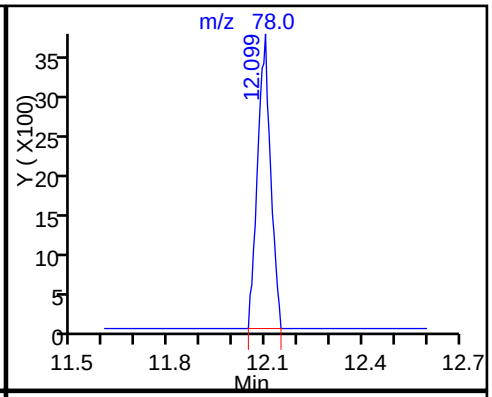
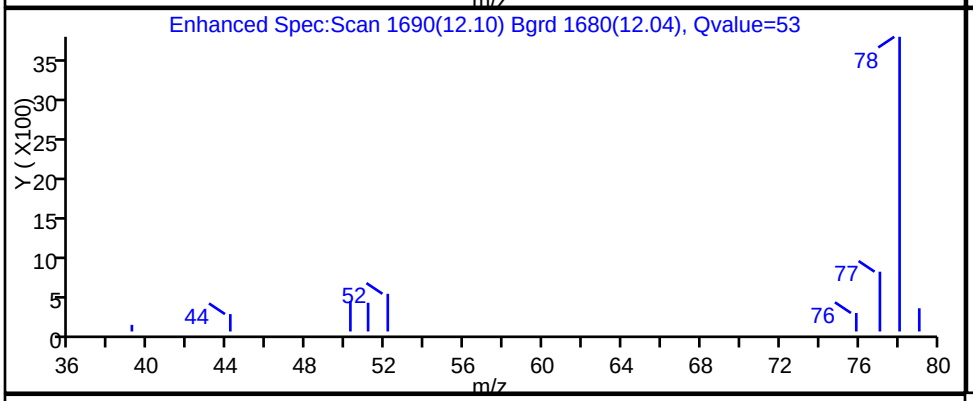
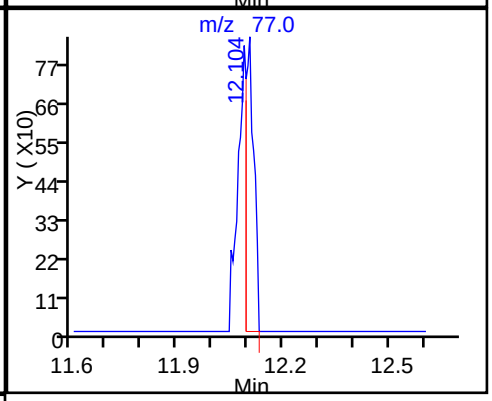
Lims ID:	200-20861-A-1	Lab Sample ID:	200-20861-1		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

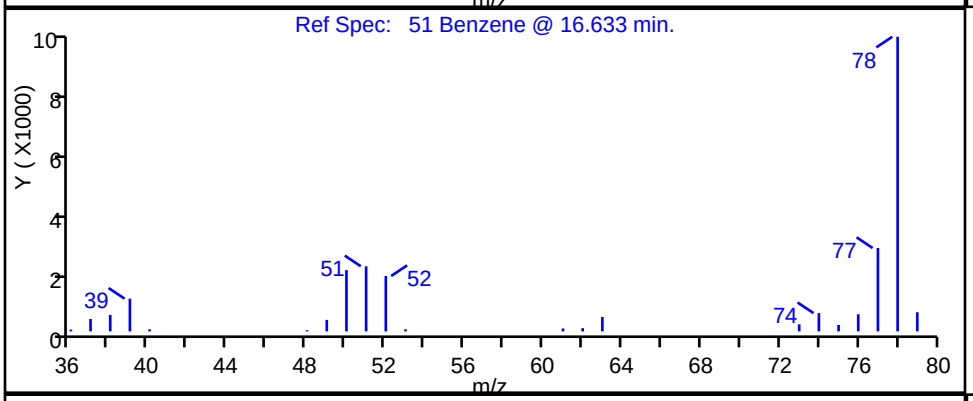
51 Benzene, CAS: 71-43-2

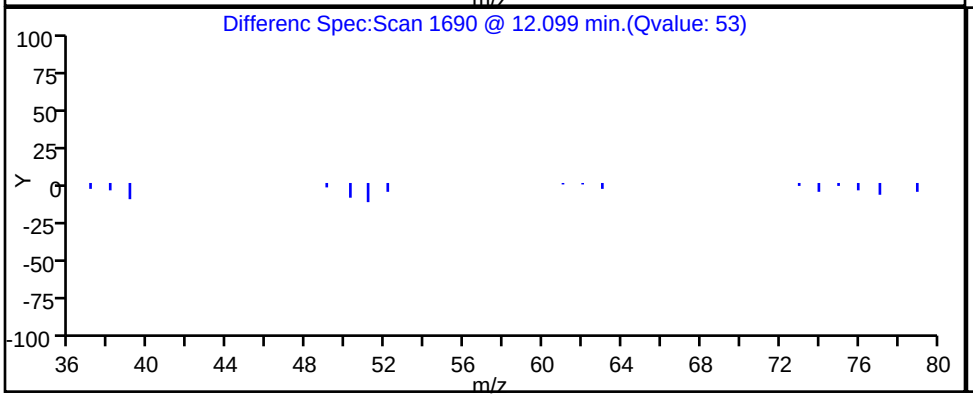


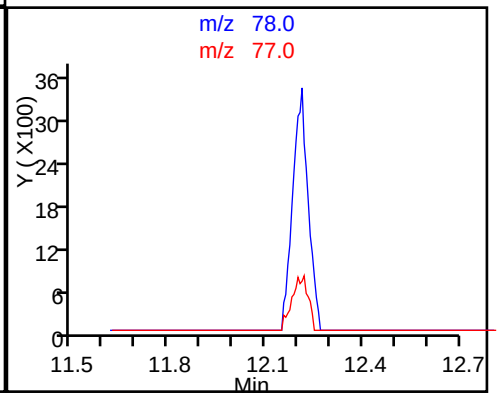












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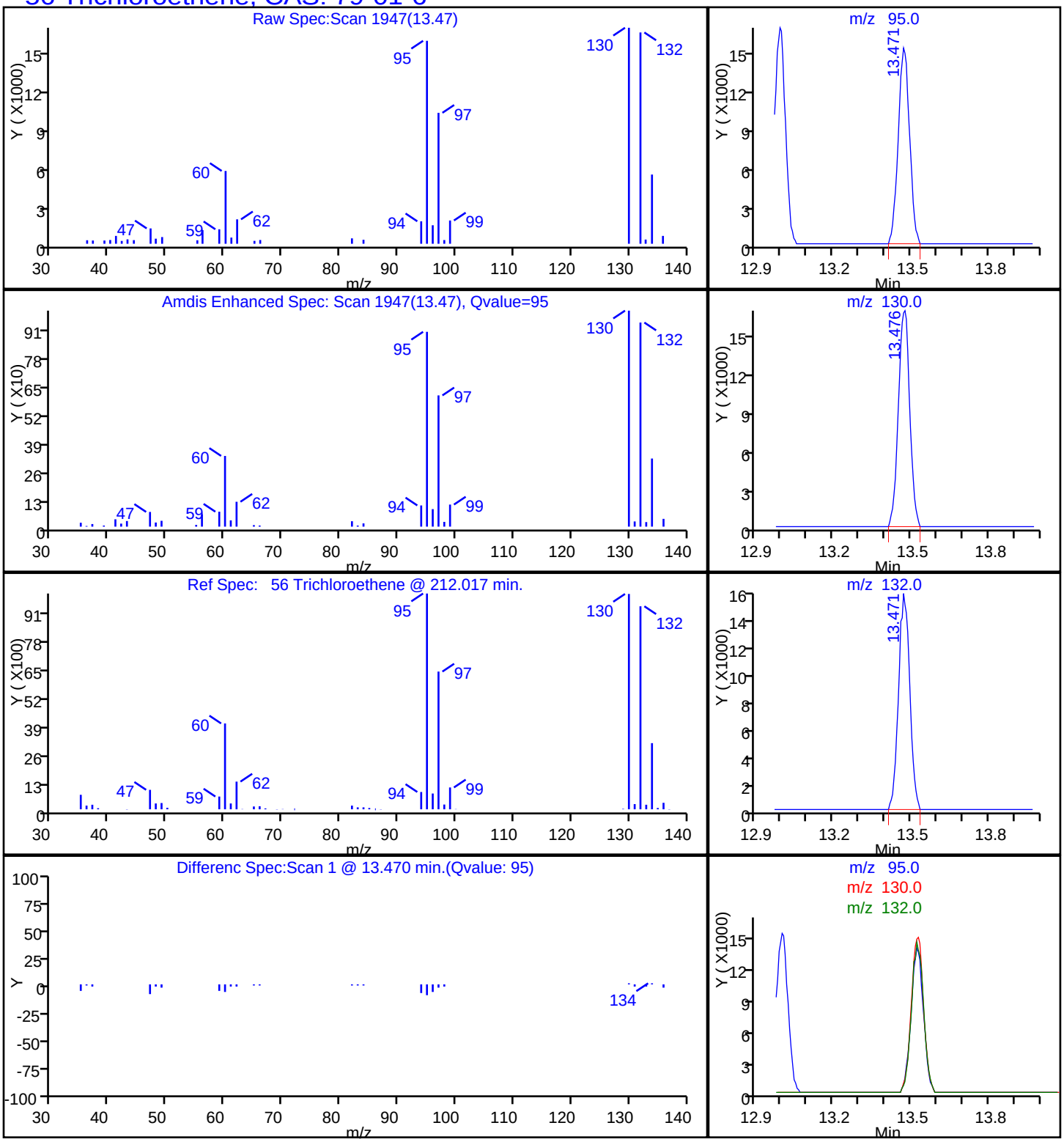
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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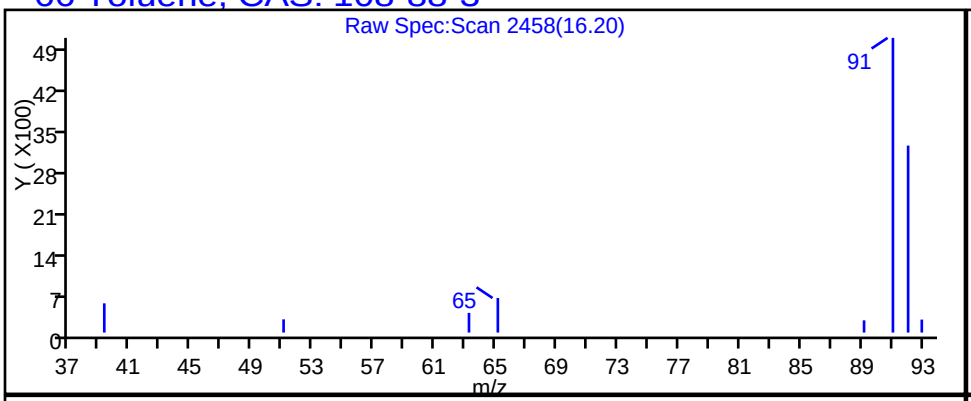
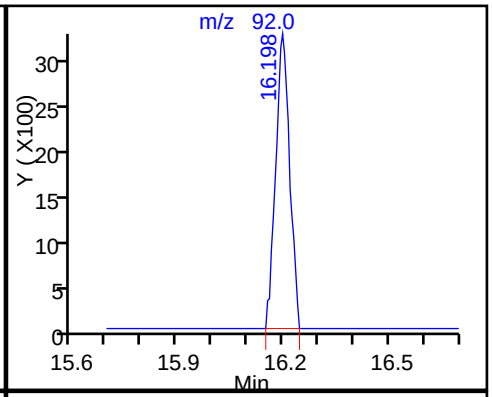
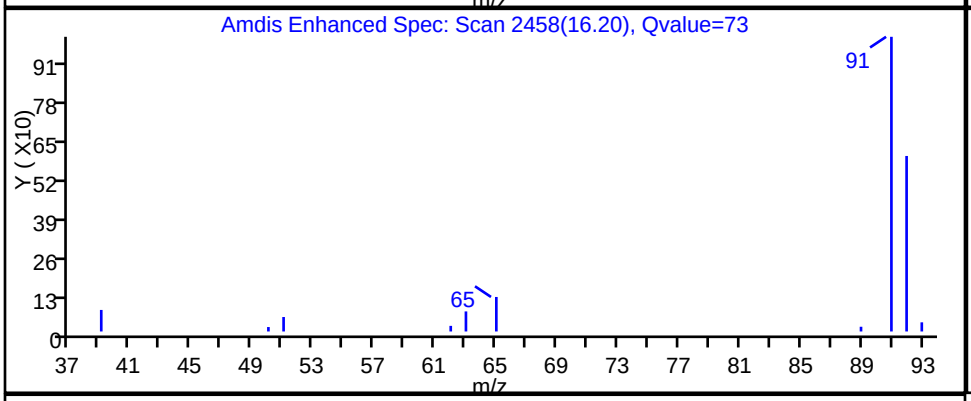
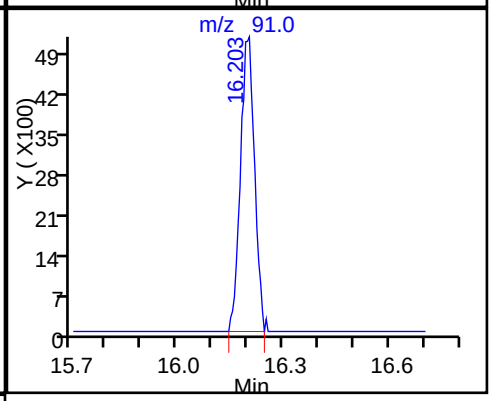
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

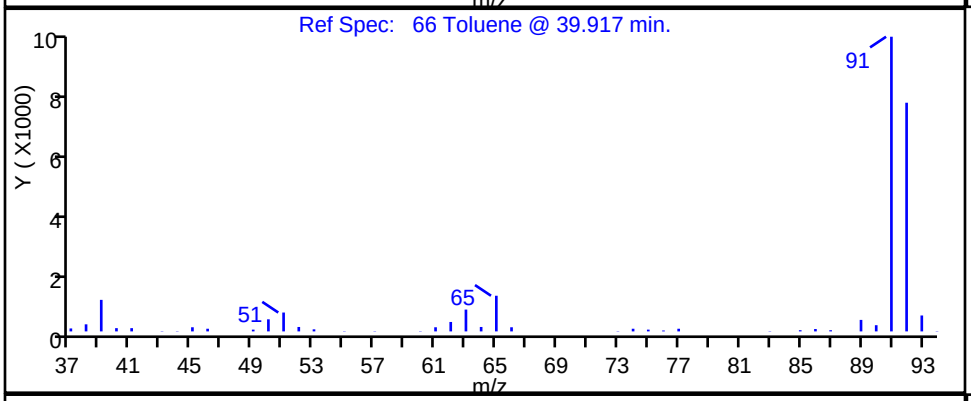
66 Toluene, CAS: 108-88-3

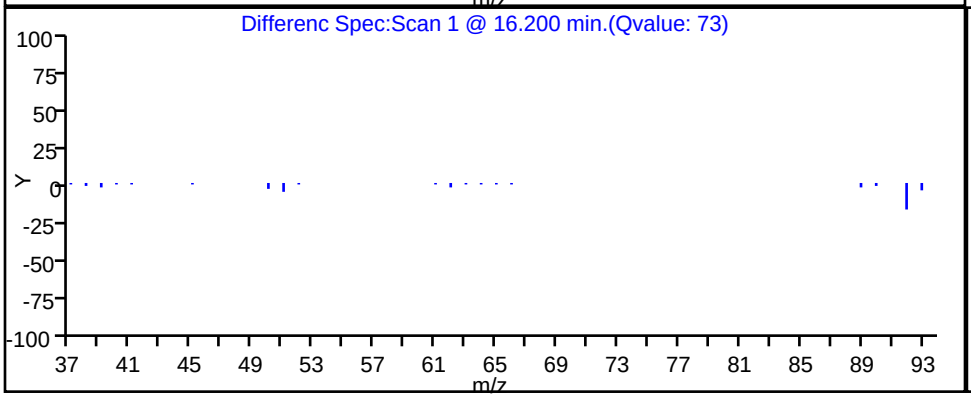


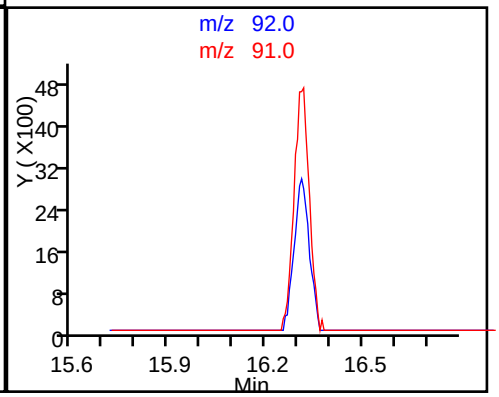












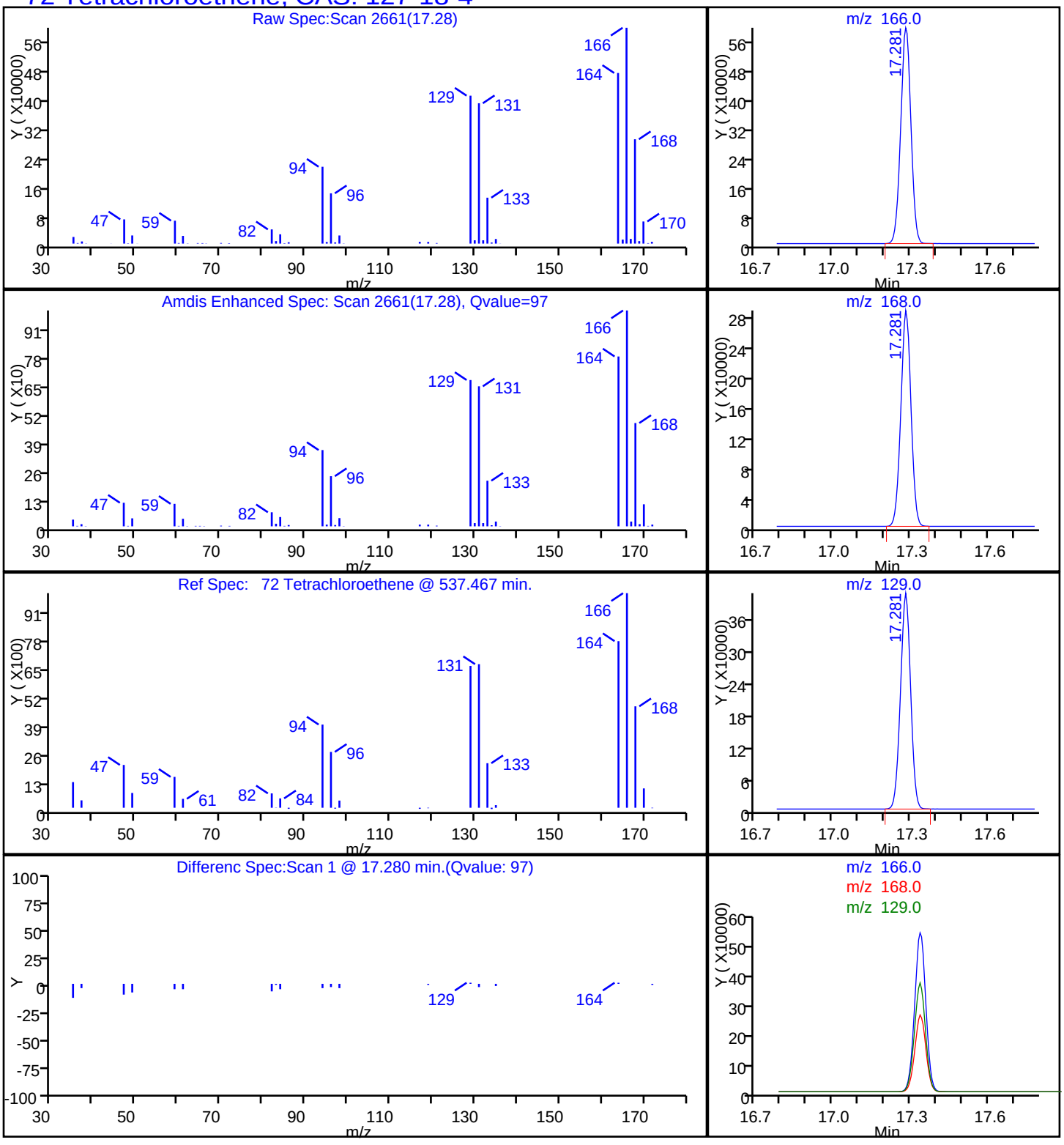
Report Date: 18-Feb-2014 12:25:46 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_06.D

Injection Date:	17-Feb-2014 14:39:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-1	Lab Sample ID:	200-20861-1		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



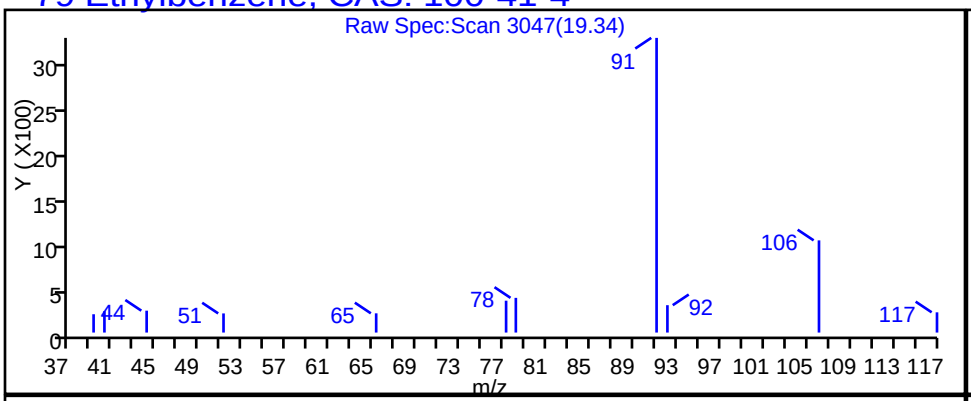
Report Date: 18-Feb-2014 12:25:46 Chrom Revision: 2.2 06-Feb-2014 15:19:06

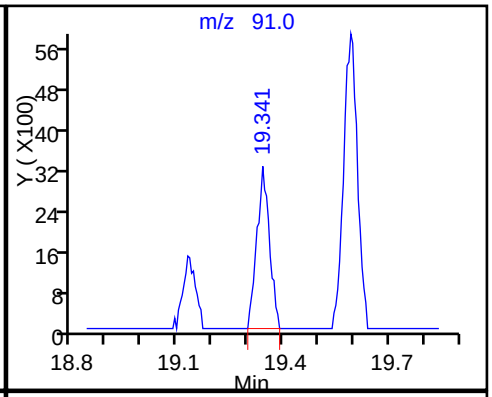
TestAmerica Burlington

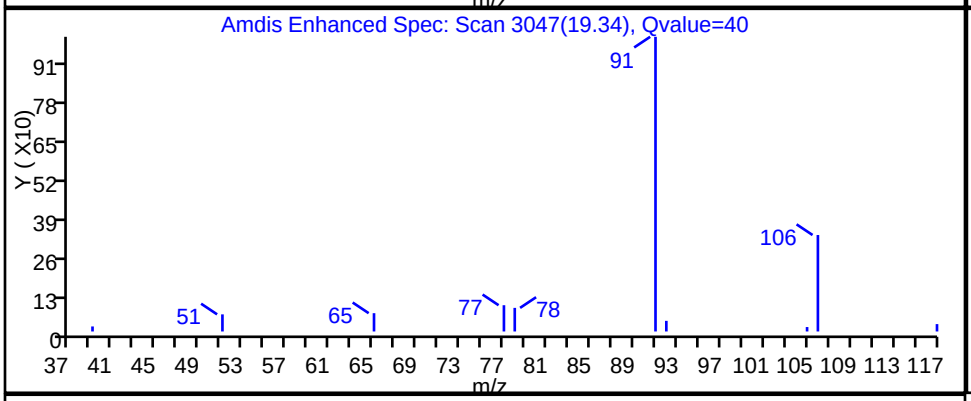
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_06.D

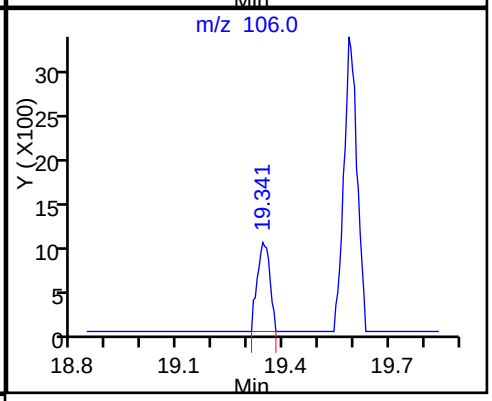
Injection Date:	17-Feb-2014 14:39:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-1	Lab Sample ID:	200-20861-1		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

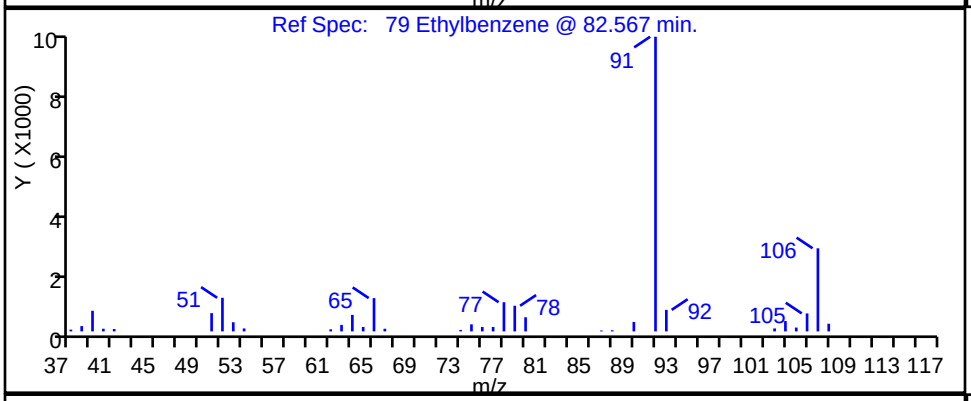
79 Ethylbenzene, CAS: 100-41-4

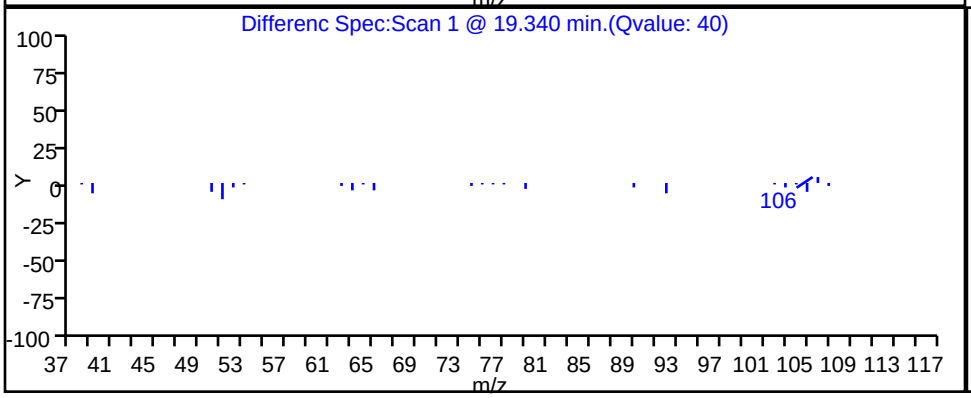


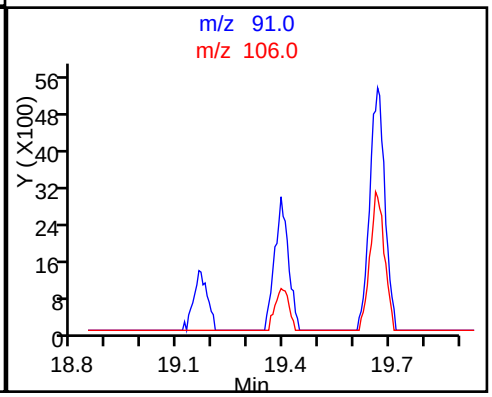










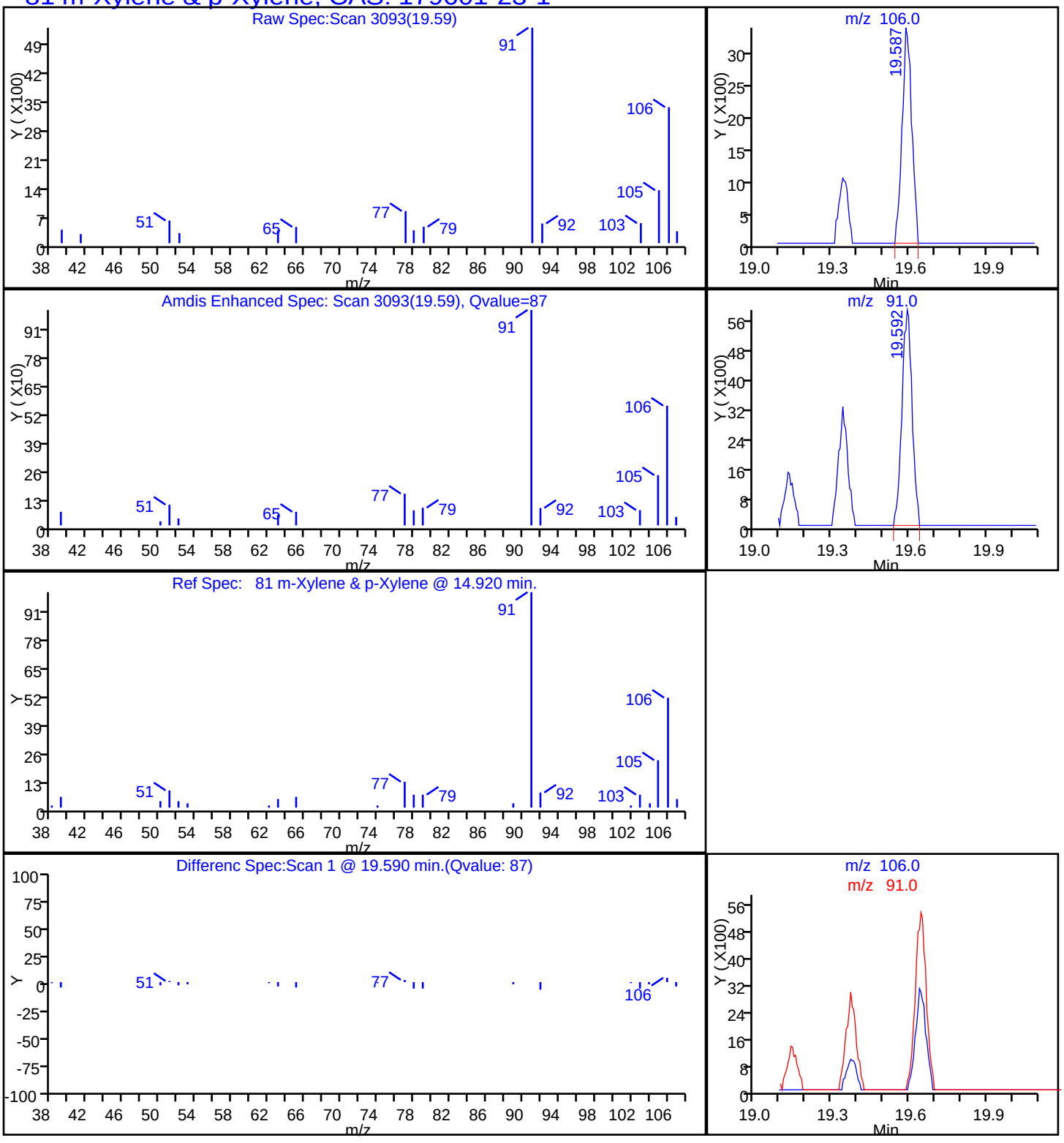


Report Date: 18-Feb-2014 12:25:46 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_06.D				
Injection Date:	17-Feb-2014 14:39:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-1	Lab Sample ID:	200-20861-1		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



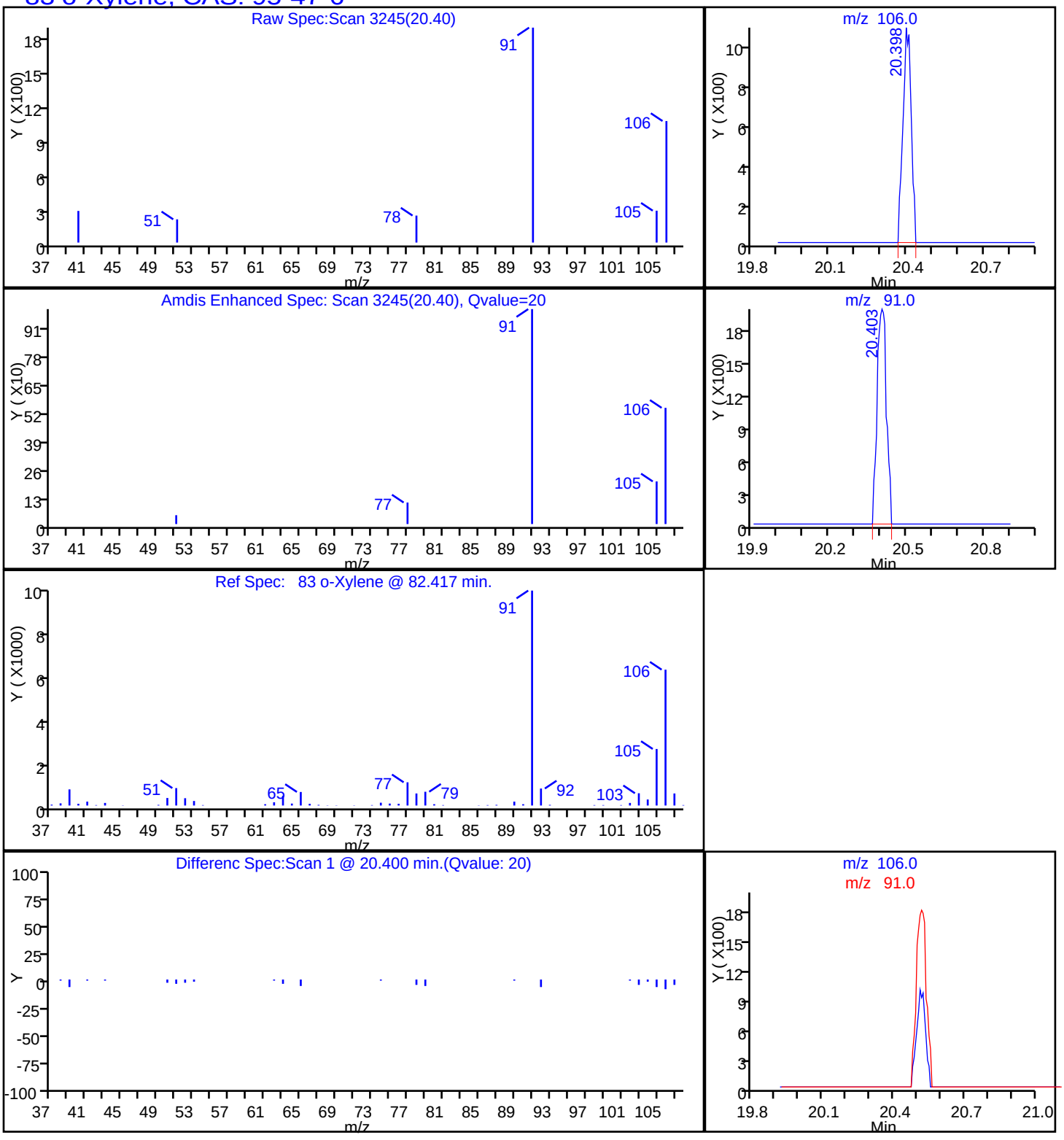
Report Date: 18-Feb-2014 12:25:46 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_06.D

Injection Date:	17-Feb-2014 14:39:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-1	Lab Sample ID:	200-20861-1		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-2 Lab Sample ID: 200-20861-2

Matrix: Air Lab File ID: 6163_19.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:12

Sample wt/vol: 40(mL) Date Analyzed: 02/15/2014 07:41

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	8.4		2.5	0.15
75-45-6	Freon 22	86.47	0.46	J	2.5	0.24
76-14-2	Freon-114	170.92	1.0	U	1.0	0.18
74-87-3	Chloromethane	50.49	2.5	U	2.5	0.68
106-97-8	n-Butane	58.12	2.5	U	2.5	1.4
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.19
106-99-0	1,3-Butadiene	54.09	1.0	U	1.0	0.21
74-83-9	Bromomethane	94.94	1.0	U	1.0	0.14
75-00-3	Chloroethane	64.52	2.5	U	2.5	0.15
593-60-2	Vinyl bromide	106.96	1.0	U	1.0	0.15
75-69-4	Freon 11	137.37	1.7		1.0	0.15
76-13-1	Freon 113	187.38	1.0	U	1.0	0.090
75-35-4	1,1-Dichloroethene	96.94	1.0	U	1.0	0.12
67-64-1	Acetone	58.08	25	U	25	6.3
67-63-0	Isopropyl alcohol	60.10	140		25	1.1
75-15-0	Carbon disulfide	76.14	2.5	U	2.5	0.33
107-05-1	Allyl chloride	76.53	2.5	U	2.5	0.17
75-09-2	Methylene Chloride	84.93	1.4	J	2.5	0.63
75-65-0	tert-Butyl alcohol	74.12	25	U	25	1.6
1634-04-4	Methyl tert-butyl ether	88.15	1.0	U	1.0	0.11
156-60-5	trans-1,2-Dichloroethene	96.94	1.0	U	1.0	0.15
110-54-3	Hexane	86.17	0.50	J	1.0	0.17
75-34-3	1,1-Dichloroethane	98.96	1.0	U	1.0	0.19
78-93-3	Methyl Ethyl Ketone	72.11	2.5	U	2.5	1.2
156-59-2	cis-1,2-Dichloroethene	96.94	1.0	U	1.0	0.19
540-59-0	1,2-Dichloroethene, Total	96.94	1.0	U	1.0	0.32
67-66-3	Chloroform	119.38	0.42	J	1.0	0.13
109-99-9	Tetrahydrofuran	72.11	25	U	25	0.23
71-55-6	1,1,1-Trichloroethane	133.41	3.2		1.0	0.11
110-82-7	Cyclohexane	84.16	1.0	U	1.0	0.13
56-23-5	Carbon tetrachloride	153.81	0.20	U	0.20	0.11
540-84-1	2,2,4-Trimethylpentane	114.23	1.0	U	1.0	0.14
71-43-2	Benzene	78.11	0.28	J	1.0	0.095
107-06-2	1,2-Dichloroethane	98.96	1.0	U	1.0	0.085
142-82-5	Heptane	100.21	1.0	U	1.0	0.23

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-2 Lab Sample ID: 200-20861-2

Matrix: Air Lab File ID: 6163_19.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:12

Sample wt/vol: 40(mL) Date Analyzed: 02/15/2014 07:41

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	4.4		0.20	0.12
80-62-6	Methyl methacrylate	100.12	2.5	U	2.5	0.15
78-87-5	1,2-Dichloropropane	112.99	1.0	U	1.0	0.16
123-91-1	1,4-Dioxane	88.11	25	U	25	1.0
75-27-4	Bromodichloromethane	163.83	1.0	U	1.0	0.085
10061-01-5	cis-1,3-Dichloropropene	110.97	1.0	U	1.0	0.14
108-10-1	methyl isobutyl ketone	100.16	2.5	U	2.5	0.14
108-88-3	Toluene	92.14	0.36	J	1.0	0.085
10061-02-6	trans-1,3-Dichloropropene	110.97	1.0	U	1.0	0.11
79-00-5	1,1,2-Trichloroethane	133.41	1.0	U	1.0	0.085
127-18-4	Tetrachloroethene	165.83	10		1.0	0.080
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.5	U	2.5	1.0
124-48-1	Dibromochloromethane	208.29	1.0	U	1.0	0.10
106-93-4	1,2-Dibromoethane	187.87	1.0	U	1.0	0.10
108-90-7	Chlorobenzene	112.56	1.0	U	1.0	0.041
100-41-4	Ethylbenzene	106.17	1.0	U	1.0	0.065
179601-23-1	m,p-Xylene	106.17	2.5	U	2.5	0.12
95-47-6	Xylene, o-	106.17	1.0	U	1.0	0.080
1330-20-7	Xylene (total)	106.17	1.0	U	1.0	0.17
100-42-5	Styrene	104.15	1.0	U	1.0	0.090
75-25-2	Bromoform	252.75	1.0	U	1.0	0.050
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.0	U	1.0	0.080
103-65-1	n-Propylbenzene	120.19	1.0	U	1.0	0.40
622-96-8	4-Ethyltoluene	120.20	1.0	U	1.0	0.090
108-67-8	1,3,5-Trimethylbenzene	120.20	1.0	U	1.0	0.060
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.065
98-06-6	tert-Butylbenzene	134.22	1.0	U	1.0	0.085
95-63-6	1,2,4-Trimethylbenzene	120.20	1.0	U	1.0	0.070
135-98-8	sec-Butylbenzene	134.22	1.0	U	1.0	0.40
99-87-6	4-Isopropyltoluene	134.22	1.0	U	1.0	0.40
541-73-1	1,3-Dichlorobenzene	147.00	1.0	U	1.0	0.070
106-46-7	1,4-Dichlorobenzene	147.00	1.0	U	1.0	0.070
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.40
104-51-8	n-Butylbenzene	134.22	1.0	U	1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-2 Lab Sample ID: 200-20861-2

Matrix: Air Lab File ID: 6163_19.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:12

Sample wt/vol: 40(mL) Date Analyzed: 02/15/2014 07:41

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.0	U	1.0	0.070
120-82-1	1,2,4-Trichlorobenzene	181.45	2.5	U *	2.5	0.14
87-68-3	Hexachloro-1,3-butadiene	260.76	1.0	U	1.0	0.11
91-20-3	Naphthalene	128.17	2.5	U ^ *	2.5	1.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-2 Lab Sample ID: 200-20861-2

Matrix: Air Lab File ID: 6163_19.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:12

Sample wt/vol: 40(mL) Date Analyzed: 02/15/2014 07:41

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	42		12	0.74
75-45-6	Freon 22	86.47	1.6	J	8.8	0.85
76-14-2	Freon-114	170.92	7.0	U	7.0	1.2
74-87-3	Chloromethane	50.49	5.2	U	5.2	1.4
106-97-8	n-Butane	58.12	5.9	U	5.9	3.4
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.49
106-99-0	1,3-Butadiene	54.09	2.2	U	2.2	0.46
74-83-9	Bromomethane	94.94	3.9	U	3.9	0.54
75-00-3	Chloroethane	64.52	6.6	U	6.6	0.40
593-60-2	Vinyl bromide	106.96	4.4	U	4.4	0.66
75-69-4	Freon 11	137.37	9.4		5.6	0.84
76-13-1	Freon 113	187.38	7.7	U	7.7	0.69
75-35-4	1,1-Dichloroethene	96.94	4.0	U	4.0	0.48
67-64-1	Acetone	58.08	59	U	59	15
67-63-0	Isopropyl alcohol	60.10	350		61	2.6
75-15-0	Carbon disulfide	76.14	7.8	U	7.8	1.0
107-05-1	Allyl chloride	76.53	7.8	U	7.8	0.53
75-09-2	Methylene Chloride	84.93	4.9	J	8.7	2.2
75-65-0	tert-Butyl alcohol	74.12	76	U	76	5.0
1634-04-4	Methyl tert-butyl ether	88.15	3.6	U	3.6	0.40
156-60-5	trans-1,2-Dichloroethene	96.94	4.0	U	4.0	0.57
110-54-3	Hexane	86.17	1.8	J	3.5	0.60
75-34-3	1,1-Dichloroethane	98.96	4.0	U	4.0	0.77
78-93-3	Methyl Ethyl Ketone	72.11	7.4	U	7.4	3.6
156-59-2	cis-1,2-Dichloroethene	96.94	4.0	U	4.0	0.75
540-59-0	1,2-Dichloroethene, Total	96.94	4.0	U	4.0	1.3
67-66-3	Chloroform	119.38	2.1	J	4.9	0.61
109-99-9	Tetrahydrofuran	72.11	74	U	74	0.68
71-55-6	1,1,1-Trichloroethane	133.41	18		5.5	0.57
110-82-7	Cyclohexane	84.16	3.4	U	3.4	0.43
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	0.66
540-84-1	2,2,4-Trimethylpentane	114.23	4.7	U	4.7	0.63
71-43-2	Benzene	78.11	0.89	J	3.2	0.30
107-06-2	1,2-Dichloroethane	98.96	4.0	U	4.0	0.34
142-82-5	Heptane	100.21	4.1	U	4.1	0.94

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-2 Lab Sample ID: 200-20861-2

Matrix: Air Lab File ID: 6163_19.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:12

Sample wt/vol: 40(mL) Date Analyzed: 02/15/2014 07:41

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	24		1.1	0.64
80-62-6	Methyl methacrylate	100.12	10	U	10	0.61
78-87-5	1,2-Dichloropropane	112.99	4.6	U	4.6	0.74
123-91-1	1,4-Dioxane	88.11	90	U	90	3.6
75-27-4	Bromodichloromethane	163.83	6.7	U	6.7	0.57
10061-01-5	cis-1,3-Dichloropropene	110.97	4.5	U	4.5	0.64
108-10-1	methyl isobutyl ketone	100.16	10	U	10	0.55
108-88-3	Toluene	92.14	1.4	J	3.8	0.32
10061-02-6	trans-1,3-Dichloropropene	110.97	4.5	U	4.5	0.50
79-00-5	1,1,2-Trichloroethane	133.41	5.5	U	5.5	0.46
127-18-4	Tetrachloroethene	165.83	69		6.8	0.54
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10	U	10	4.1
124-48-1	Dibromochloromethane	208.29	8.5	U	8.5	0.85
106-93-4	1,2-Dibromoethane	187.87	7.7	U	7.7	0.77
108-90-7	Chlorobenzene	112.56	4.6	U	4.6	0.19
100-41-4	Ethylbenzene	106.17	4.3	U	4.3	0.28
179601-23-1	m,p-Xylene	106.17	11	U	11	0.50
95-47-6	Xylene, o-	106.17	4.3	U	4.3	0.35
1330-20-7	Xylene (total)	106.17	4.3	U	4.3	0.74
100-42-5	Styrene	104.15	4.3	U	4.3	0.38
75-25-2	Bromoform	252.75	10	U	10	0.52
79-34-5	1,1,2,2-Tetrachloroethane	167.85	6.9	U	6.9	0.55
103-65-1	n-Propylbenzene	120.19	4.9	U	4.9	2.0
622-96-8	4-Ethyltoluene	120.20	4.9	U	4.9	0.44
108-67-8	1,3,5-Trimethylbenzene	120.20	4.9	U	4.9	0.29
95-49-8	2-Chlorotoluene	126.59	5.2	U	5.2	0.34
98-06-6	tert-Butylbenzene	134.22	5.5	U	5.5	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	4.9	U	4.9	0.34
135-98-8	sec-Butylbenzene	134.22	5.5	U	5.5	2.2
99-87-6	4-Isopropyltoluene	134.22	5.5	U	5.5	2.2
541-73-1	1,3-Dichlorobenzene	147.00	6.0	U	6.0	0.42
106-46-7	1,4-Dichlorobenzene	147.00	6.0	U	6.0	0.42
100-44-7	Benzyl chloride	126.58	5.2	U	5.2	2.1
104-51-8	n-Butylbenzene	134.22	5.5	U	5.5	2.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-2 Lab Sample ID: 200-20861-2

Matrix: Air Lab File ID: 6163_19.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:12

Sample wt/vol: 40(mL) Date Analyzed: 02/15/2014 07:41

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	6.0	U	6.0	0.42
120-82-1	1,2,4-Trichlorobenzene	181.45	19	U *	19	1.0
87-68-3	Hexachloro-1,3-butadiene	260.76	11	U	11	1.2
91-20-3	Naphthalene	128.17	13	U ^ *	13	5.2

Report Date: 17-Feb-2014 15:08:59 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_19.D
Lims ID: 200-20861-A-2 Lab Sample ID: 200-20861-2
Client ID: SDS-2
Sample Type: Client
Inject. Date: 15-Feb-2014 07:41:30 ALS Bottle#: 17 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Sample Info: 200-0006163-019
Operator ID: pad Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Feb-2014 15:08:58 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desjardinsb Date: 17-Feb-2014 15:08:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.256	3.261	-0.005	98	105997	1.69	
6 Chlorodifluoromethane	51	3.320	3.325	-0.005	29	1794	0.0930	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.555					
8 Chloromethane	50		3.704					
9 Butane	43		3.923					
10 Vinyl chloride	62		3.976					
11 Butadiene	54		4.062					
12 Bromomethane	94		4.798					
13 Chloroethane	64		5.065					
15 Vinyl bromide	106		5.476					
16 Trichlorofluoromethane	101	5.577	5.583	-0.006	81	24877	0.3362	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.725					
23 1,1-Dichloroethene	96		6.768					
25 Acetone	43		7.050					
26 Carbon disulfide	76		7.157					
28 Isopropyl alcohol	45	7.365	7.371	-0.006	98	305389	28.4	
29 3-Chloro-1-propene	41		7.600					
31 Methylene Chloride	49	7.904	7.910	-0.006	46	3563	0.2841	
32 2-Methyl-2-propanol	59		8.177					
33 Methyl tert-butyl ether	73		8.331					
34 trans-1,2-Dichloroethene	61		8.358					
36 Hexane	57	8.737	8.748	-0.011	53	2415	0.0998	
37 1,1-Dichloroethane	63		9.276					
S 39 1,2-Dichloroethene, Total	61		10.200					
40 cis-1,2-Dichloroethene	96		10.439					
41 2-Butanone (MEK)	72		10.519					
* 43 Chlorobromomethane	128	10.925	10.930	-0.005	65	372813	10.0	
44 Tetrahydrofuran	42		10.946					
45 Chloroform	83	11.064	11.069	-0.005	26	5578	0.0849	
46 Cyclohexane	84		11.304					
47 1,1,1-Trichloroethane	97	11.341	11.347	-0.006	83	44529	0.6443	
49 Carbon tetrachloride	117		11.597					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	50	Isooctane		57		12.062				
	51	Benzene		78	12.094	12.104	-0.010	23	5640	0.0560
	52	1,2-Dichloroethane		62		12.307				
	53	n-Heptane		43		12.473				
*	54	1,4-Difluorobenzene		114	12.996	13.001	-0.005	92	1940692	10.0
	56	Trichloroethene		95	13.476	13.481	-0.005	94	45992	0.8846
	58	1,2-Dichloropropane		63		14.079				
	59	Methyl methacrylate		69		14.261				
	60	1,4-Dioxane		88		14.330				
	62	Dichlorobromomethane		83		14.650				
	64	cis-1,3-Dichloropropene		75		15.611				
	65	4-Methyl-2-pentanone (MIBK)		43		15.920				
	66	Toluene		92	16.198	16.209	-0.011	65	6230	0.0718
	70	trans-1,3-Dichloropropene		75		16.822				
	71	1,1,2-Trichloroethane		83		17.201				
	72	Tetrachloroethene		166	17.281	17.287	-0.006	93	153801	2.03
	73	2-Hexanone		43		17.660				
	74	Chlorodibromomethane		129		17.970				
	75	Ethylene Dibromide		107		18.247				
*	76	Chlorobenzene-d5		117	19.139	19.144	-0.005	81	1762310	10.0
	77	Chlorobenzene		112		19.203				
	79	Ethylbenzene		91		19.352				
	81	m-Xylene & p-Xylene		106		19.603				
S	82	Xylenes, Total		106		20.100				
	83	o-Xylene		106		20.409				
	84	Styrene		104		20.457				
	85	Bromoform		173		20.857				
$	87	4-Bromofluorobenzene		95	21.391	21.396	-0.005	94	1247151	NC
	88	1,1,2,2-Tetrachloroethane		83		21.663				
	89	N-Propylbenzene		91		21.722				
	92	4-Ethyltoluene		105		21.903				
	93	2-Chlorotoluene		91		21.919				
	94	1,3,5-Trimethylbenzene		105		22.004				
	96	tert-Butylbenzene		119		22.474				
	97	1,2,4-Trimethylbenzene		105		22.565				
	98	sec-Butylbenzene		105		22.789				
	99	4-Isopropyltoluene		119		22.986				
	100	1,3-Dichlorobenzene		146		23.024				
	101	1,4-Dichlorobenzene		146		23.163				
	102	Benzyl chloride		91		23.371				
	103	n-Butylbenzene		91		23.573				
	105	1,2-Dichlorobenzene		146		23.718				
	107	1,2,4-Trichlorobenzene		180		26.349				
	108	Hexachlorobutadiene		225		26.541				
	109	Naphthalene		128		26.877				

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

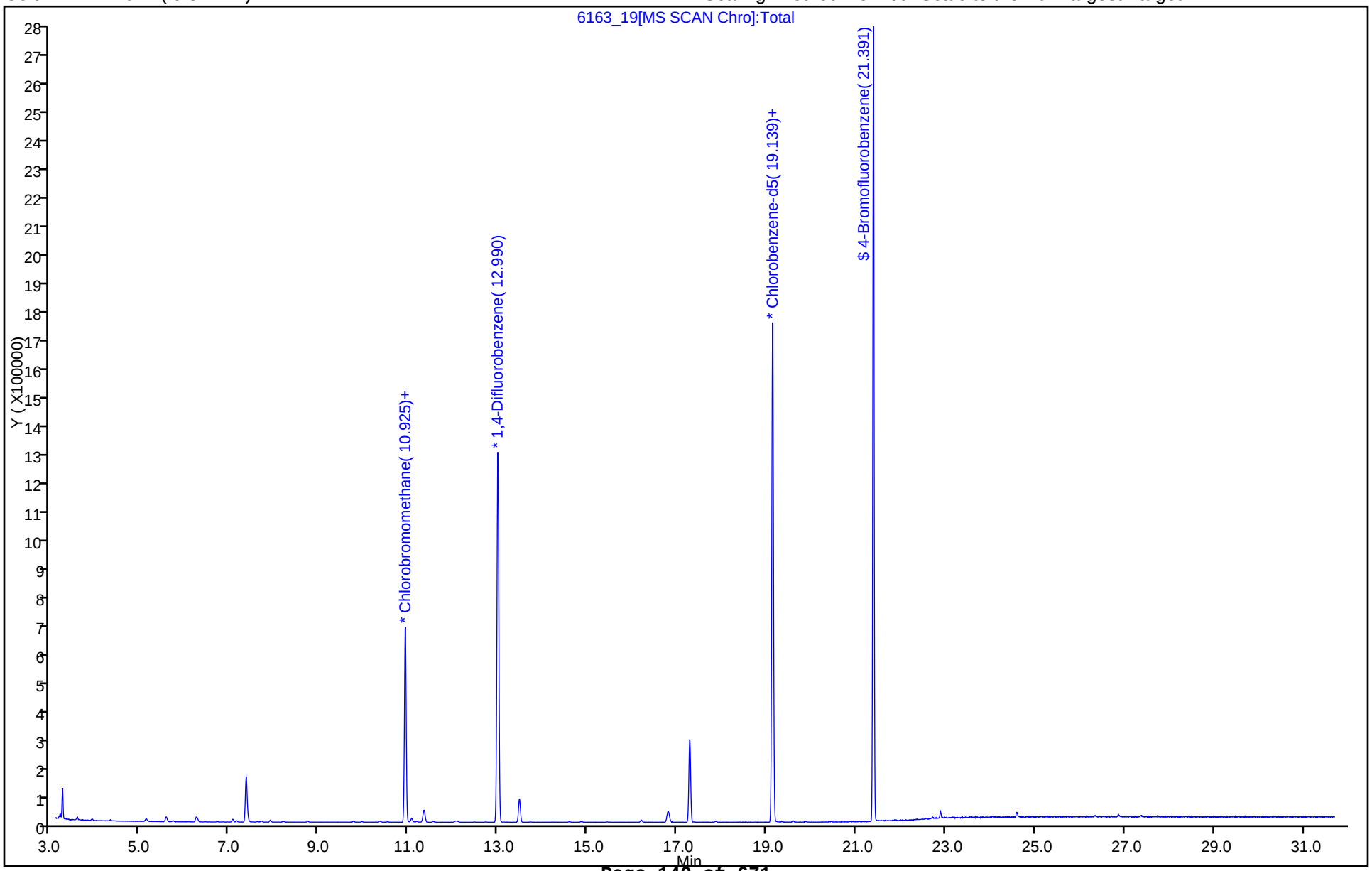
Report Date: 17-Feb-2014 15:08:59 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_19.D

Injection Date:	15-Feb-2014 07:41:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	200-20861-A-2	Lab Sample ID:	200-20861-2	Worklist Smp#:	19
Client ID:	SDS-2				
Purge Vol:	200.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	17
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

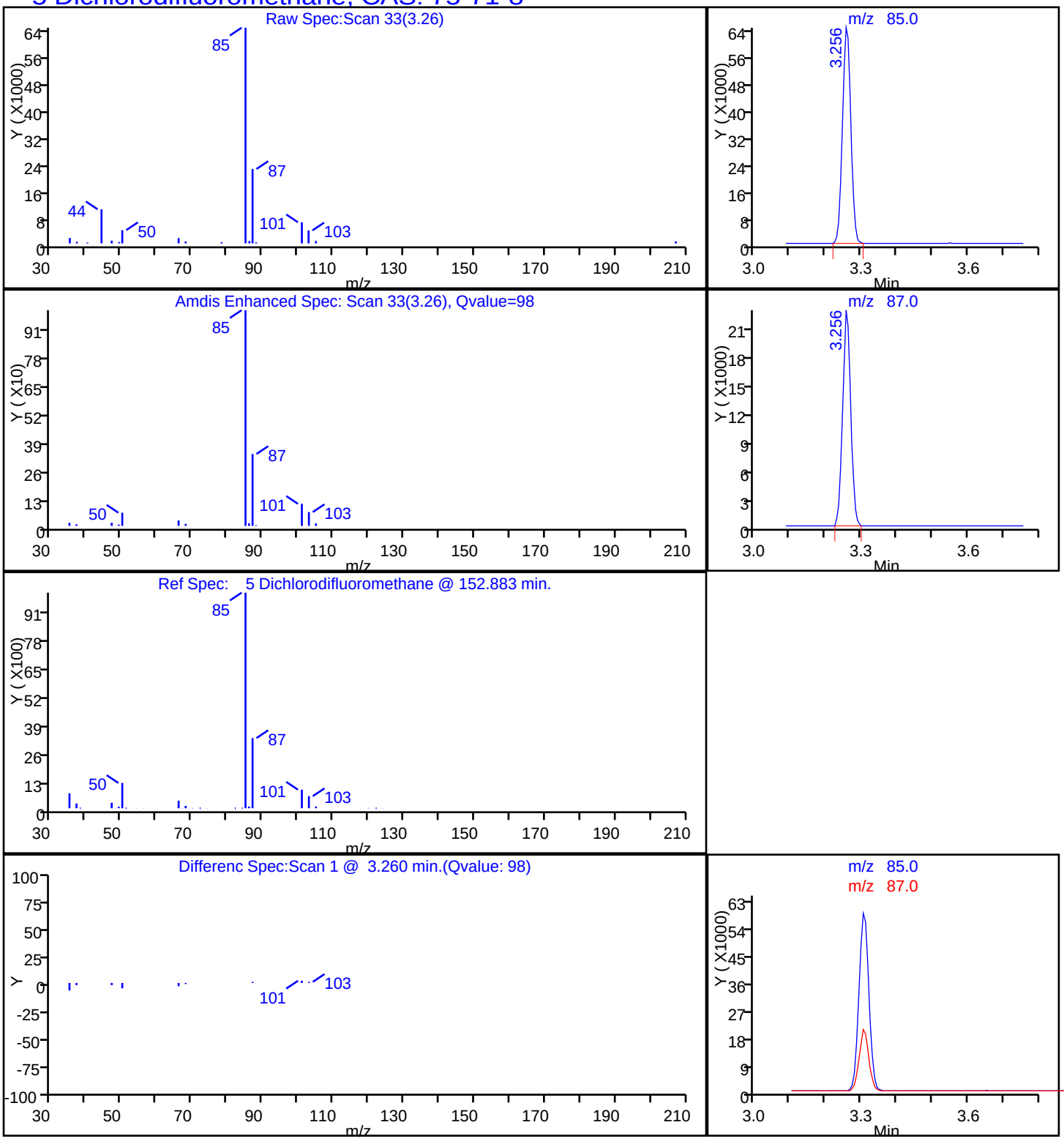


Report Date: 17-Feb-2014 15:08:59 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_19.D				
Injection Date:	15-Feb-2014 07:41:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-2	Lab Sample ID:	200-20861-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Dichlorodifluoromethane, CAS: 75-71-8

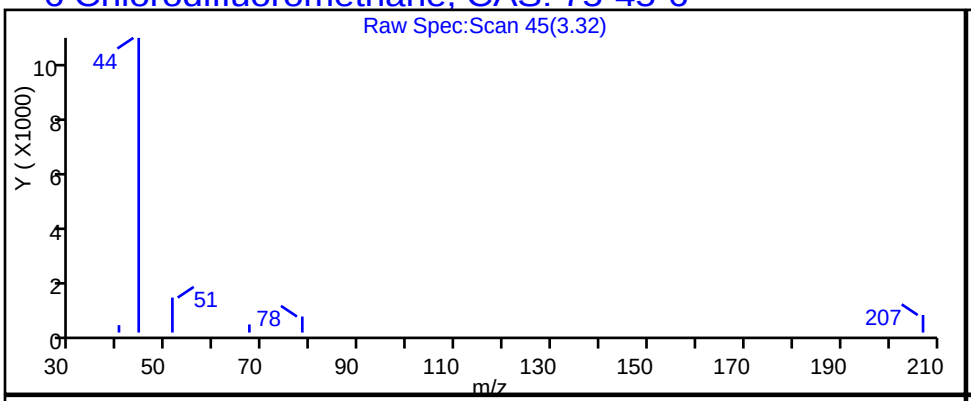


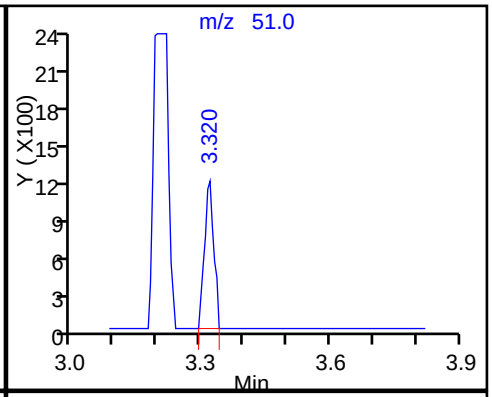
Report Date: 17-Feb-2014 15:08:59 Chrom Revision: 2.1 15-Jan-2014 14:06:26

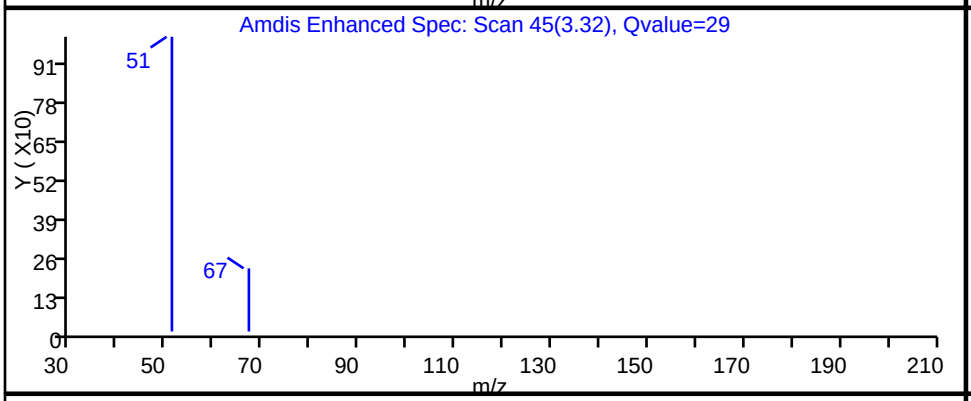
TestAmerica Burlington

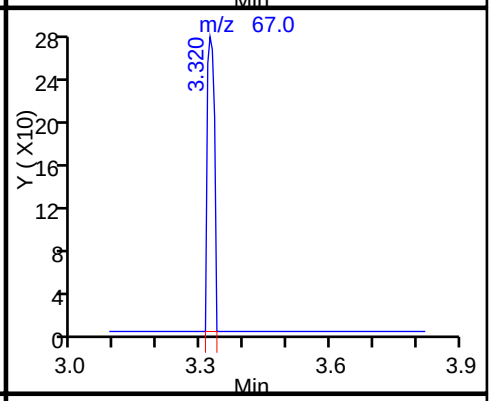
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_19.D				
Injection Date:	15-Feb-2014 07:41:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-2	Lab Sample ID:	200-20861-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

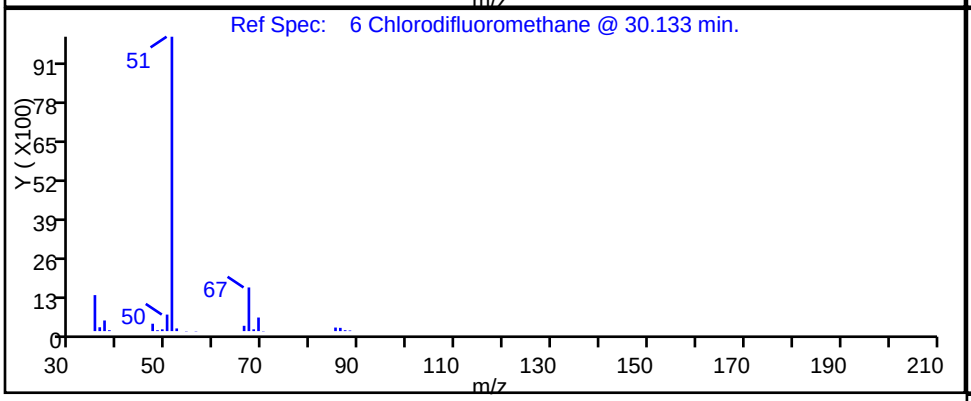
6 Chlorodifluoromethane, CAS: 75-45-6

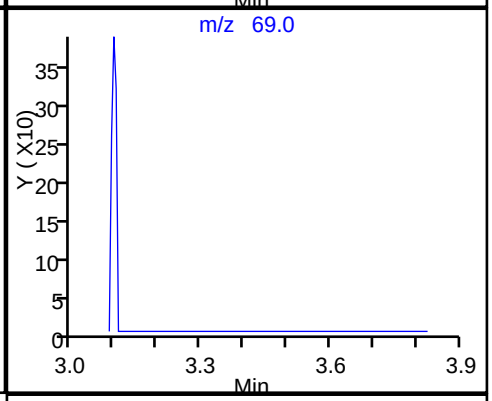


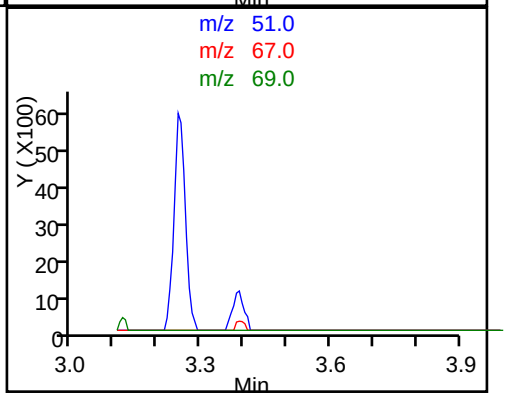












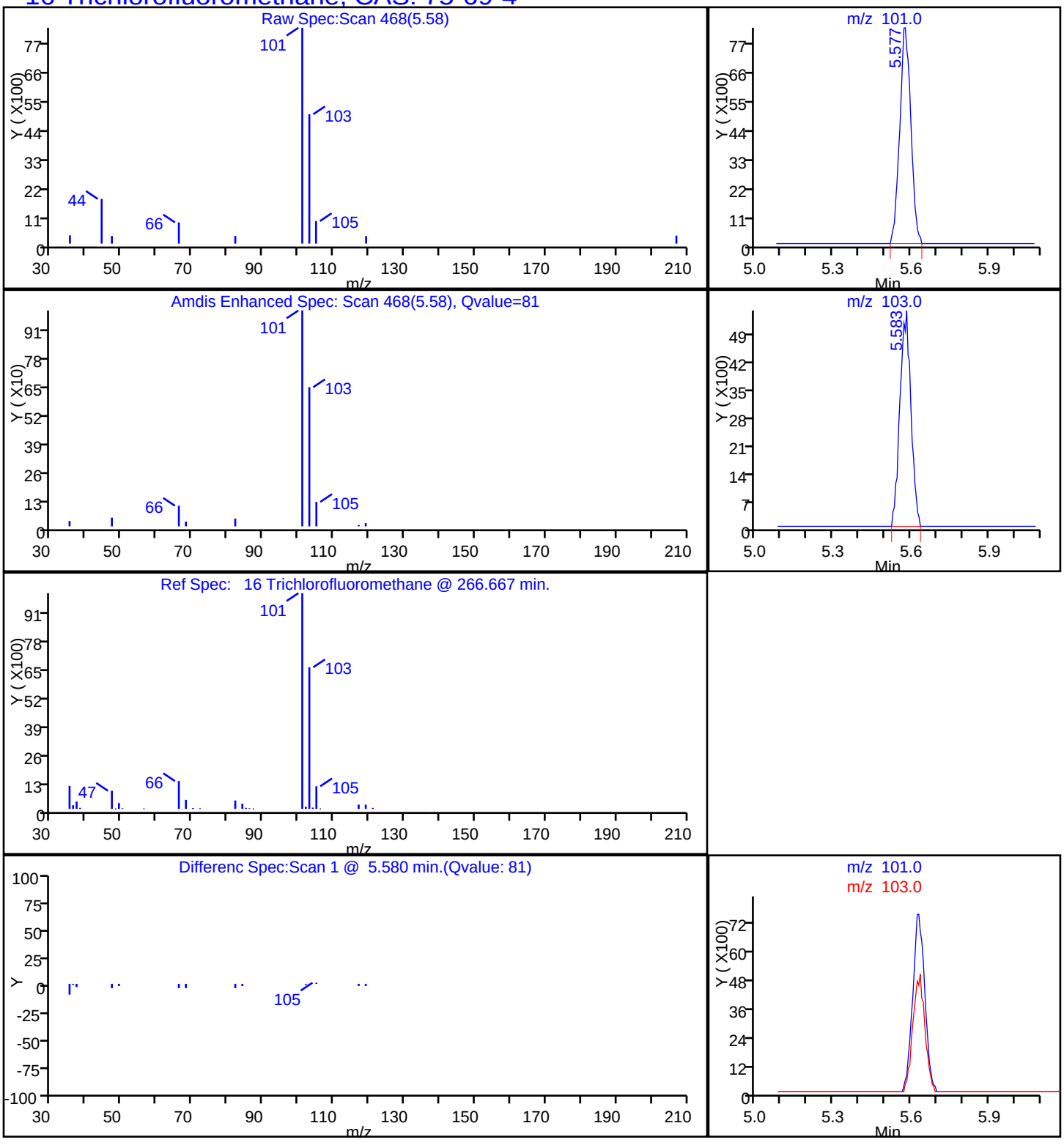
Report Date: 17-Feb-2014 15:08:59 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_19.D

Injection Date:	15-Feb-2014 07:41:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-2	Lab Sample ID:	200-20861-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

16 Trichlorofluoromethane, CAS: 75-69-4

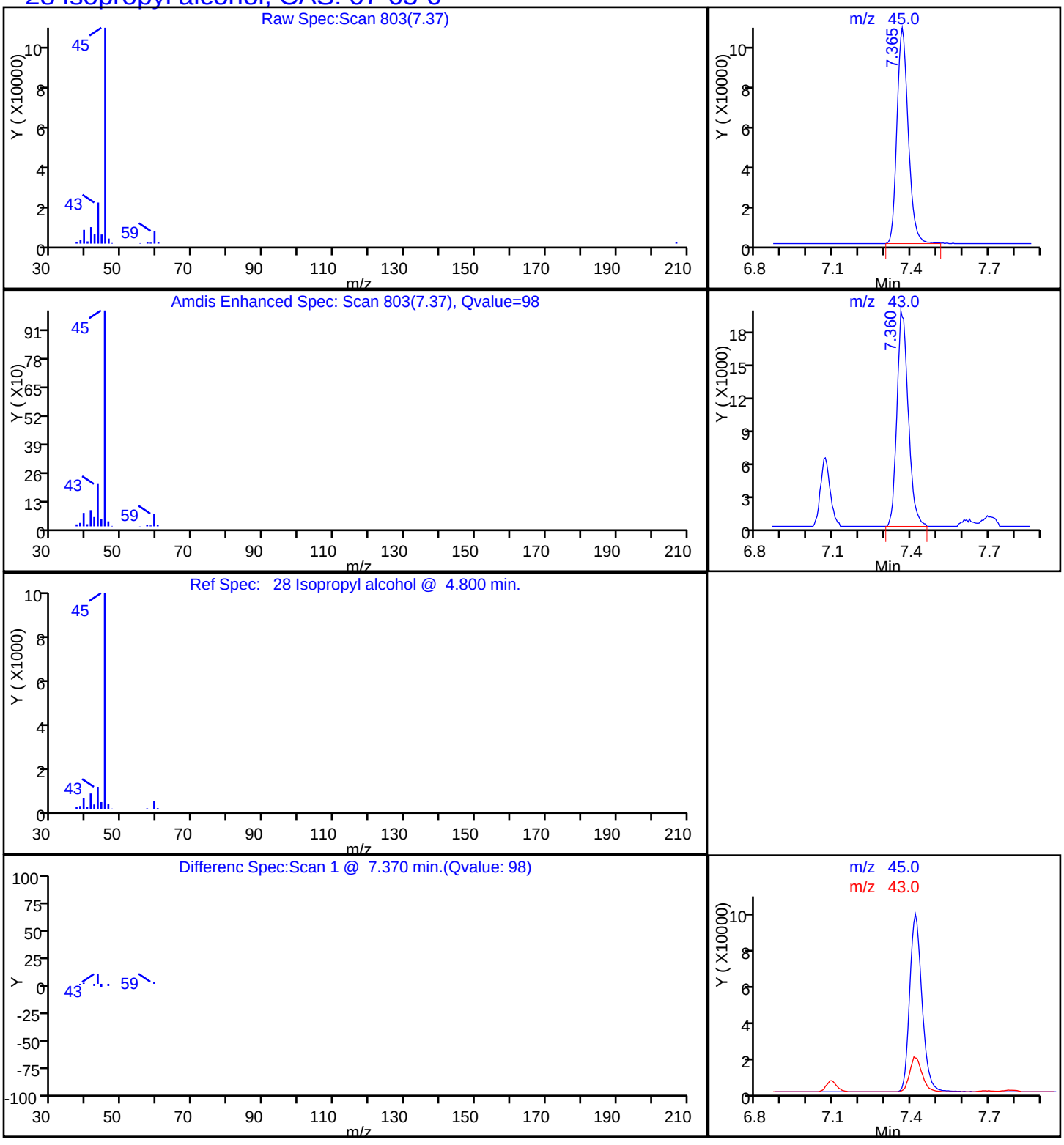


Report Date: 17-Feb-2014 15:08:59 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_19.D				
Injection Date:	15-Feb-2014 07:41:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-2	Lab Sample ID:	200-20861-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 Isopropyl alcohol, CAS: 67-63-0



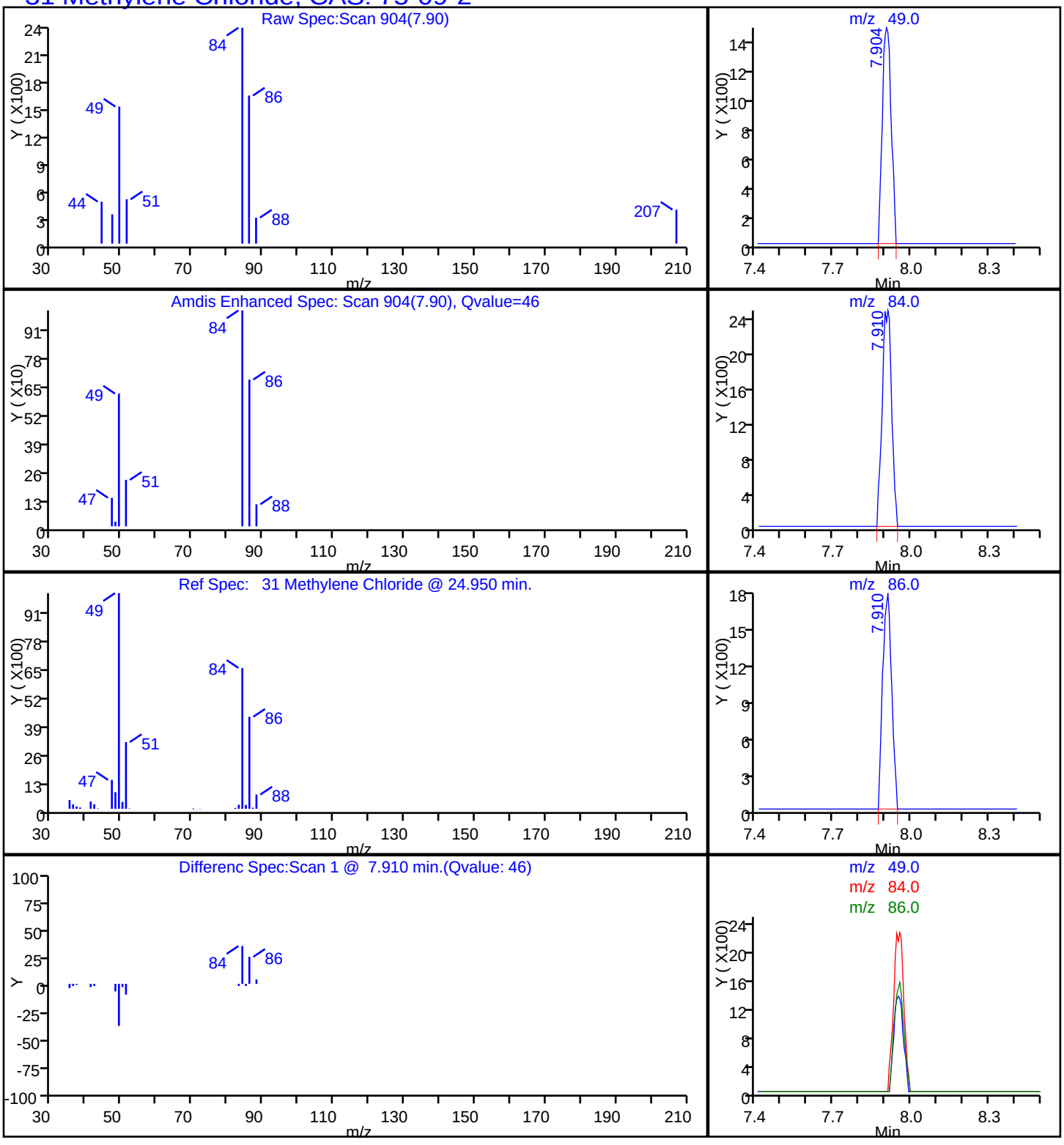
Report Date: 17-Feb-2014 15:08:59 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_19.D

Injection Date:	15-Feb-2014 07:41:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-2	Lab Sample ID:	200-20861-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



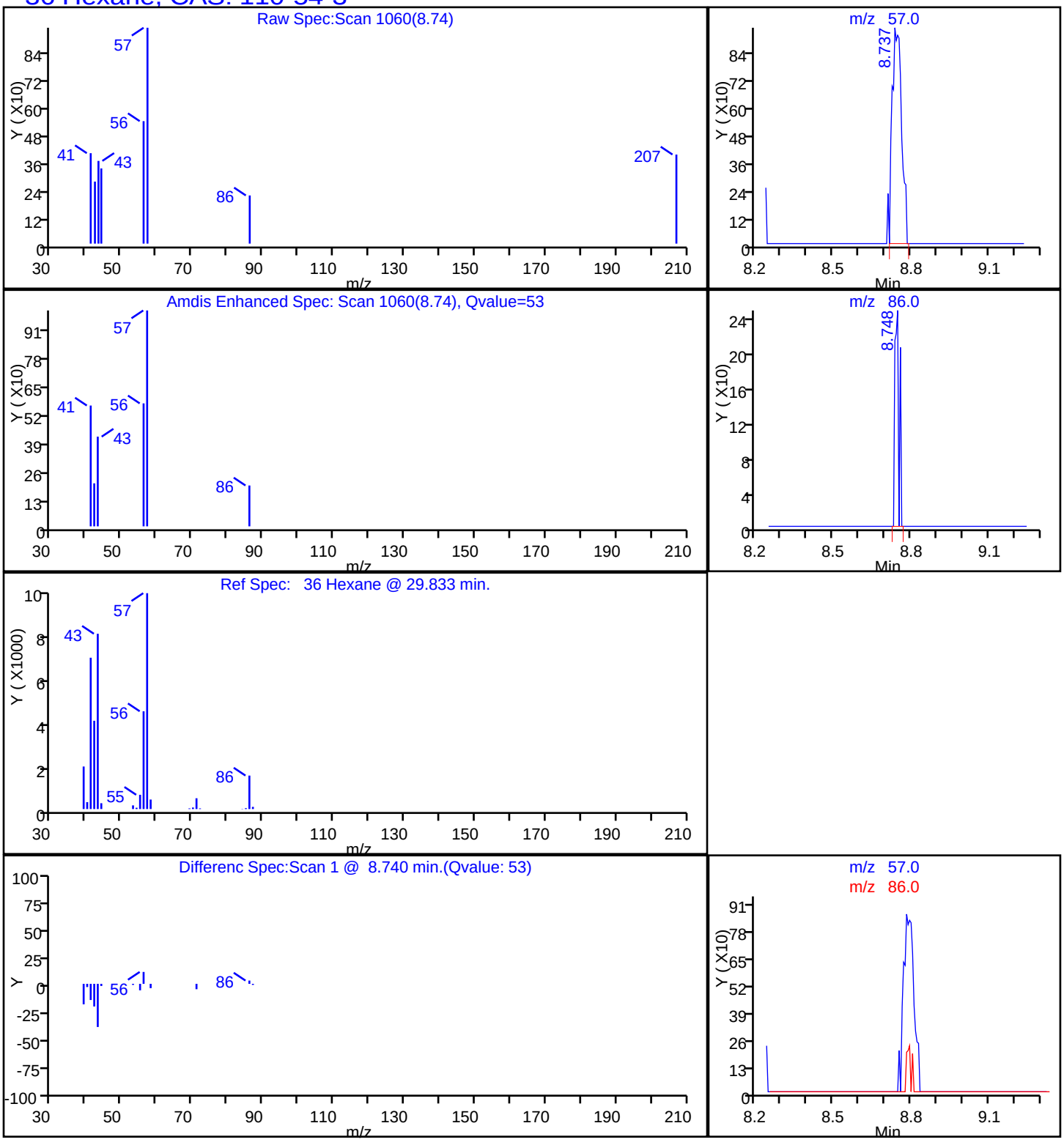
Report Date: 17-Feb-2014 15:08:59 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_19.D

Injection Date:	15-Feb-2014 07:41:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-2	Lab Sample ID:	200-20861-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



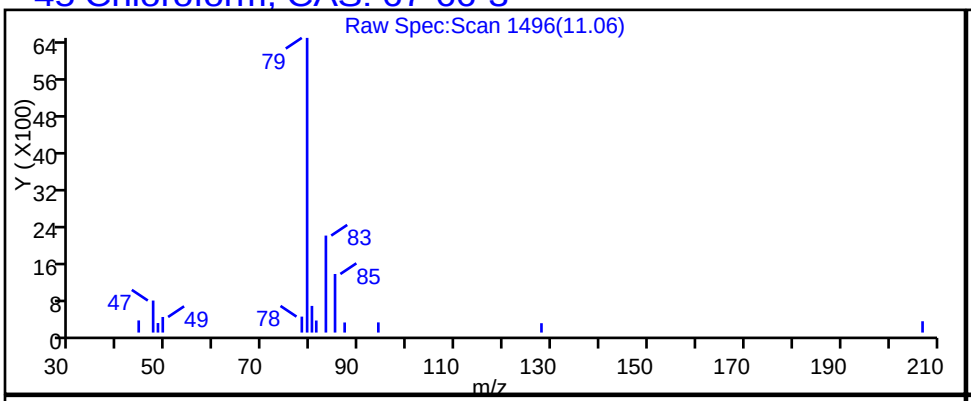
Report Date: 17-Feb-2014 15:08:59 Chrom Revision: 2.1 15-Jan-2014 14:06:26

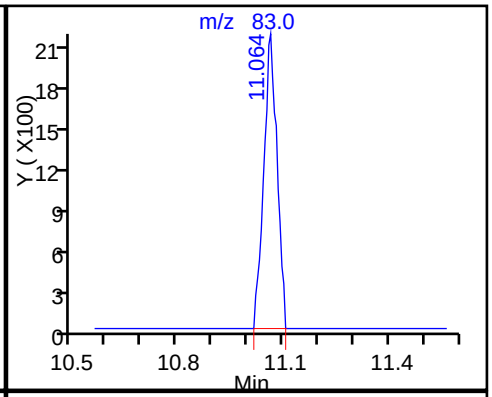
TestAmerica Burlington

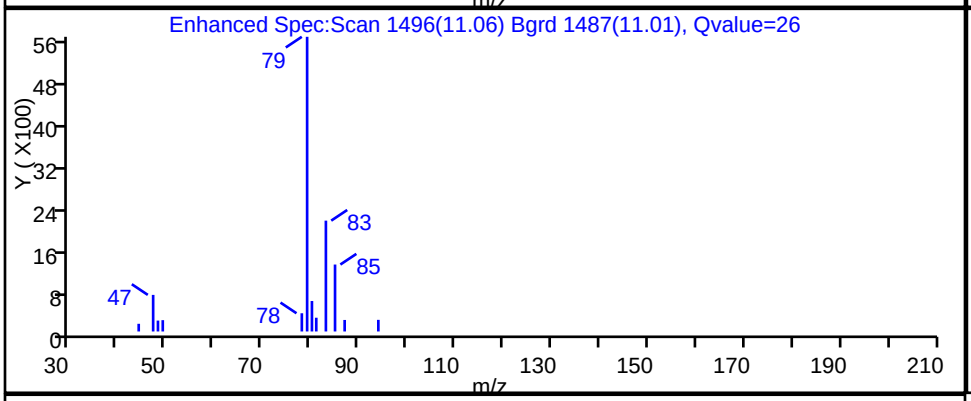
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_19.D

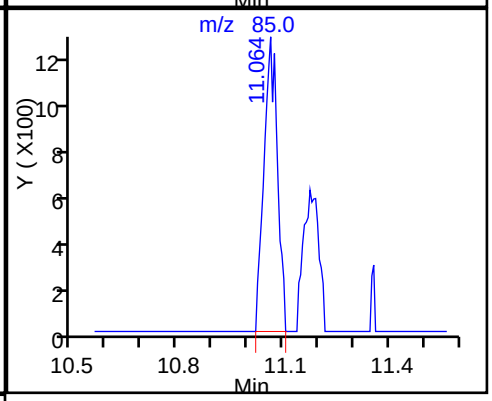
Injection Date:	15-Feb-2014 07:41:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-2	Lab Sample ID:	200-20861-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

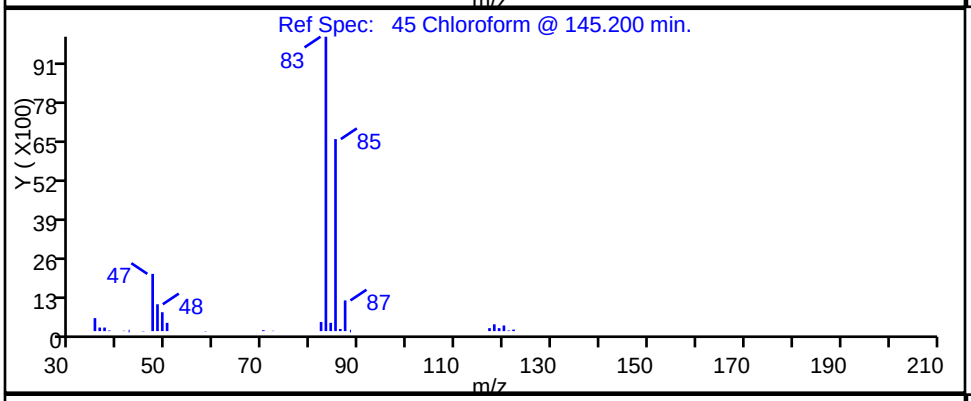
45 Chloroform, CAS: 67-66-3

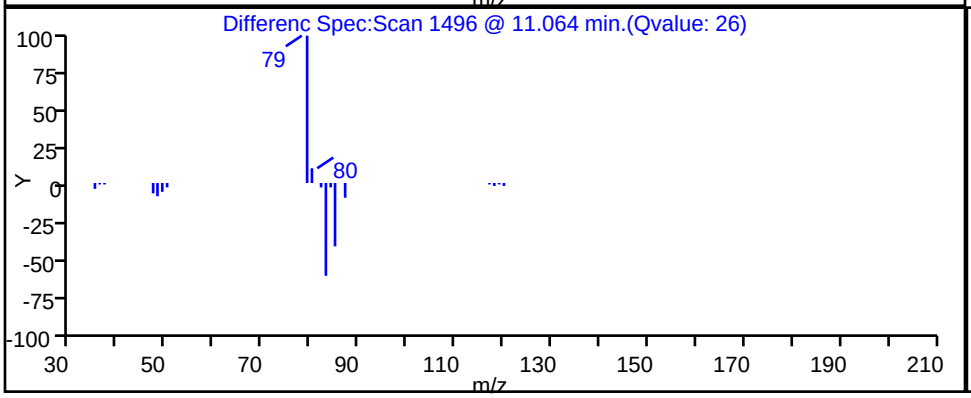


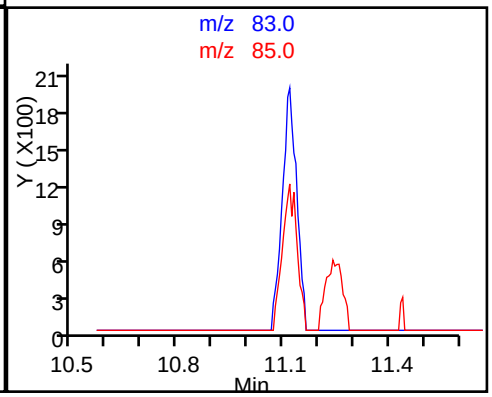










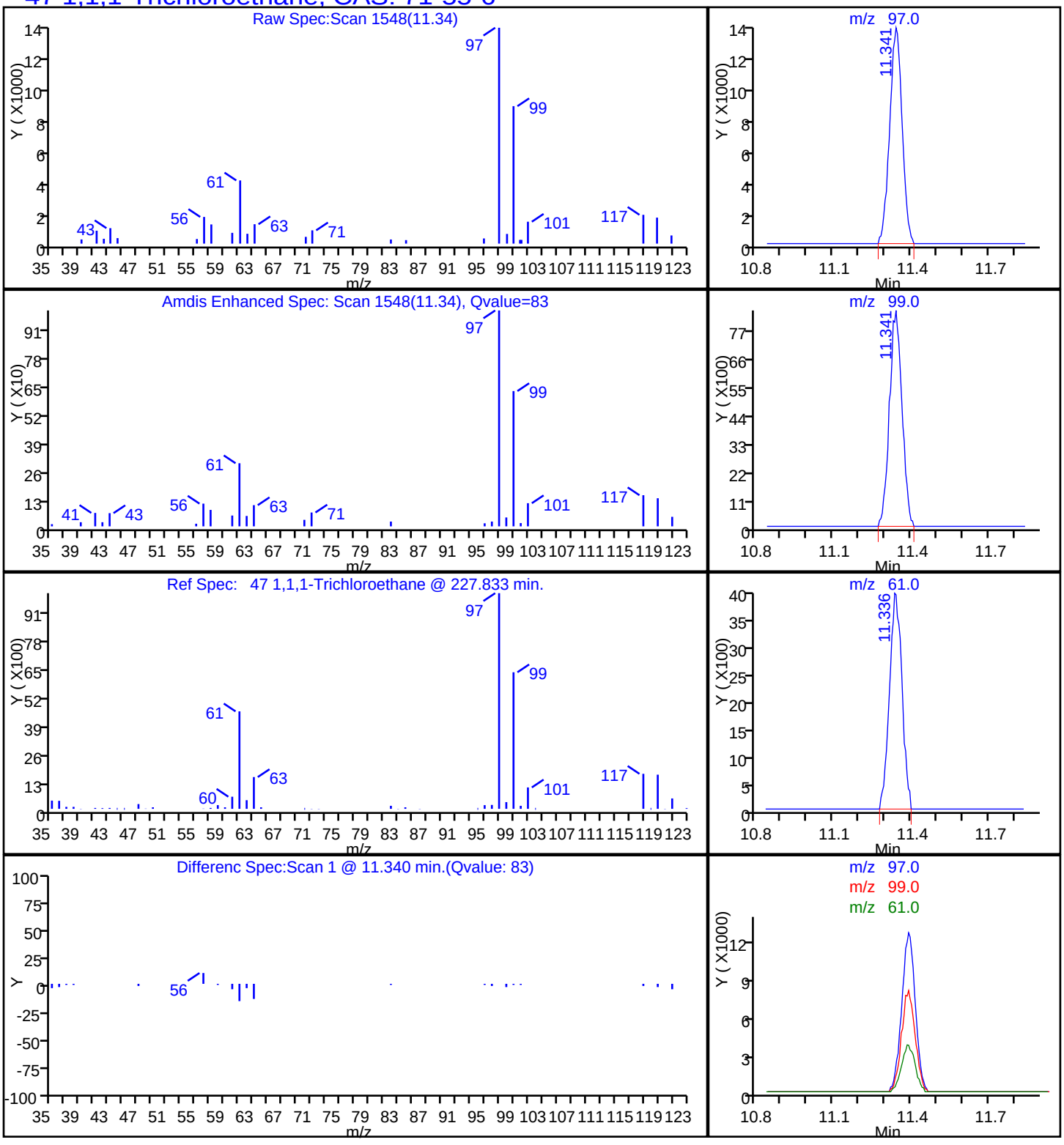


Report Date: 17-Feb-2014 15:08:59 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_19.D				
Injection Date:	15-Feb-2014 07:41:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-2	Lab Sample ID:	200-20861-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



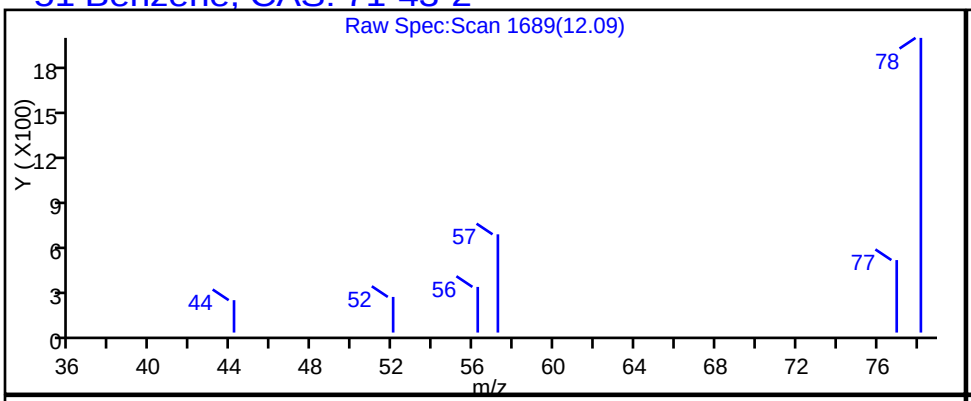
Report Date: 17-Feb-2014 15:08:59 Chrom Revision: 2.1 15-Jan-2014 14:06:26

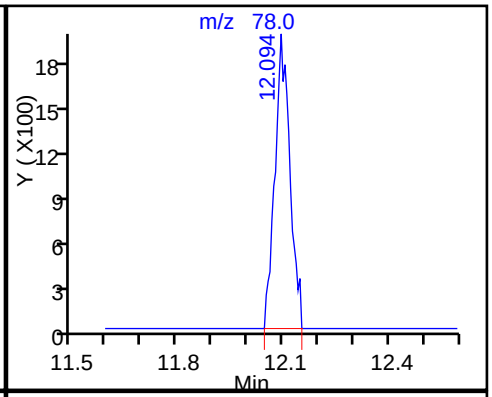
TestAmerica Burlington

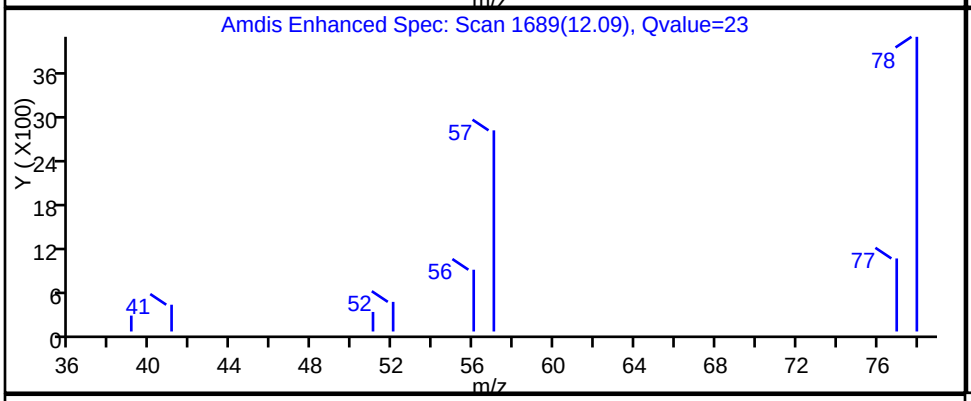
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_19.D

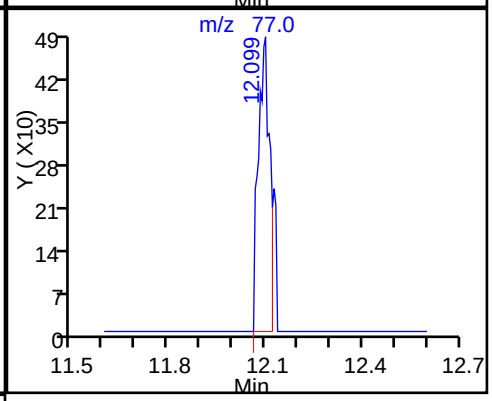
Injection Date:	15-Feb-2014 07:41:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-2	Lab Sample ID:	200-20861-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

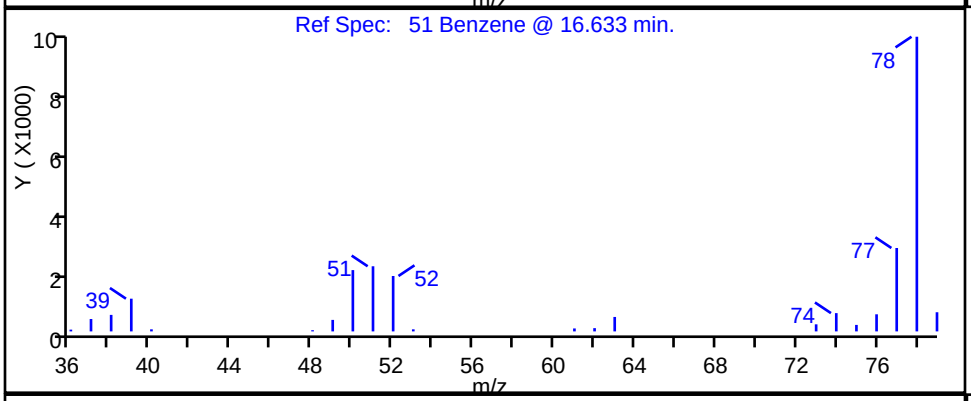
51 Benzene, CAS: 71-43-2

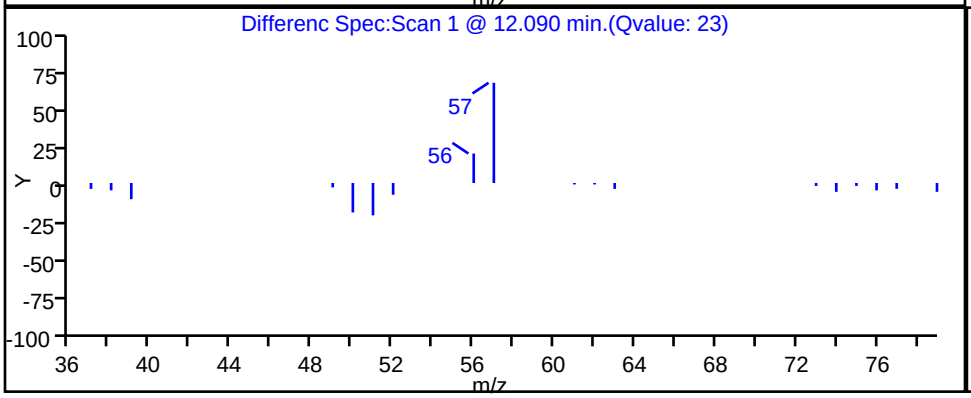


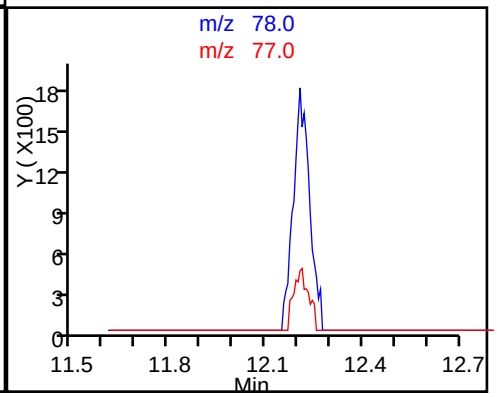












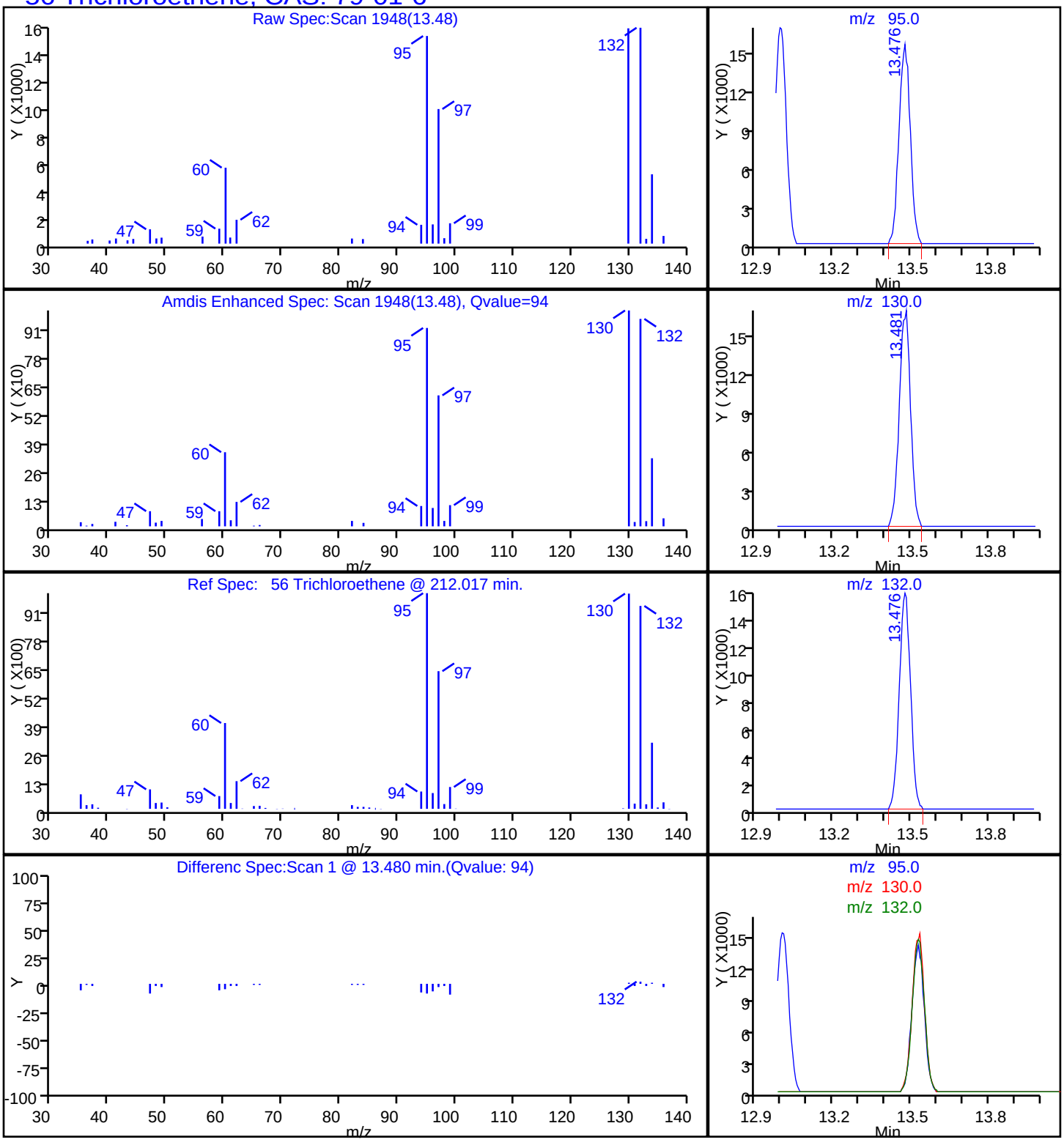
Report Date: 17-Feb-2014 15:08:59 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_19.D

Injection Date:	15-Feb-2014 07:41:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-2	Lab Sample ID:	200-20861-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



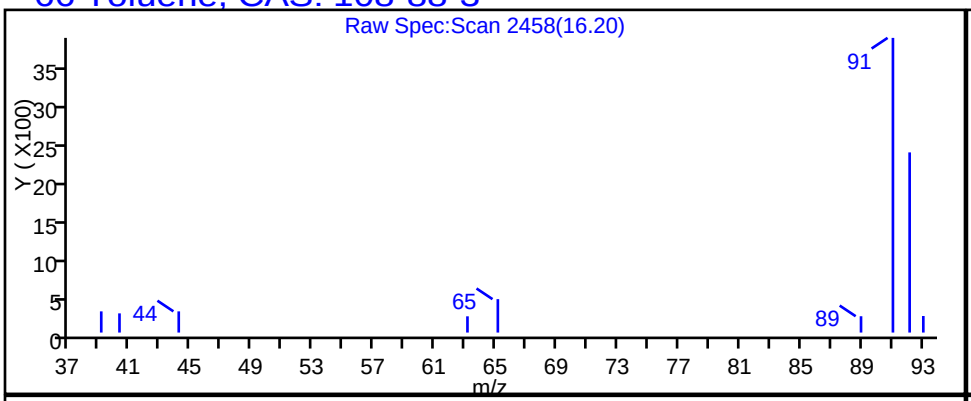
Report Date: 17-Feb-2014 15:08:59 Chrom Revision: 2.1 15-Jan-2014 14:06:26

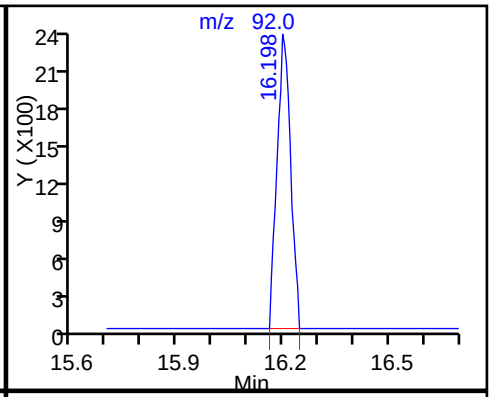
TestAmerica Burlington

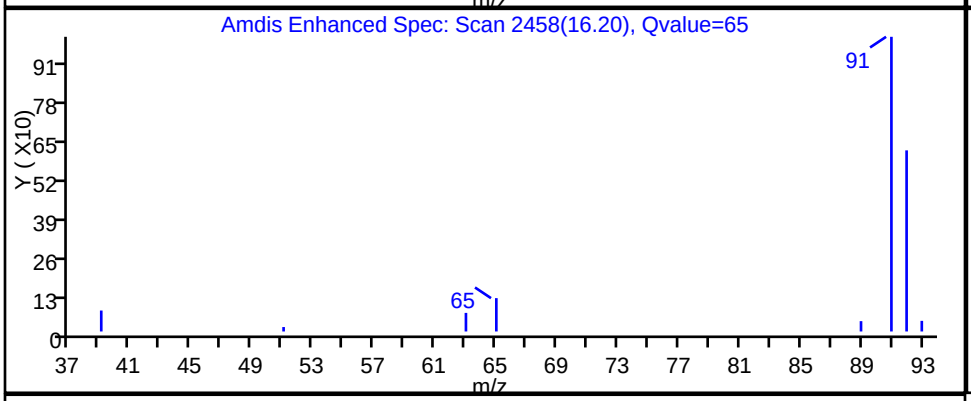
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_19.D

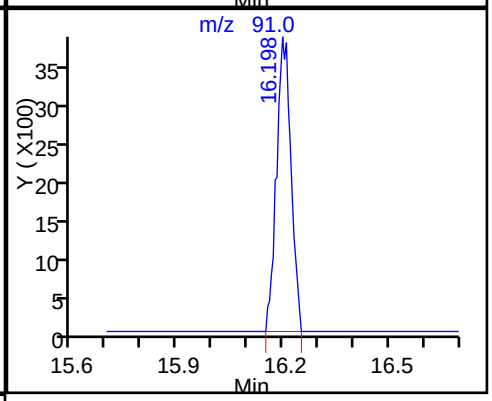
Injection Date:	15-Feb-2014 07:41:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-2	Lab Sample ID:	200-20861-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

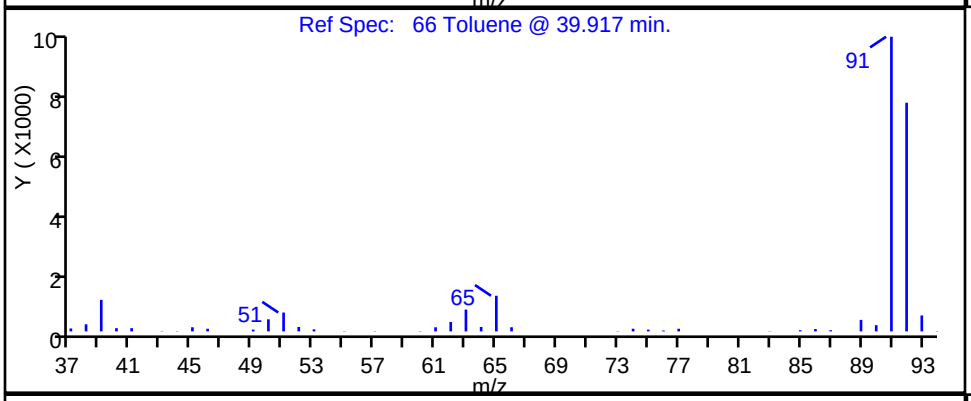
66 Toluene, CAS: 108-88-3

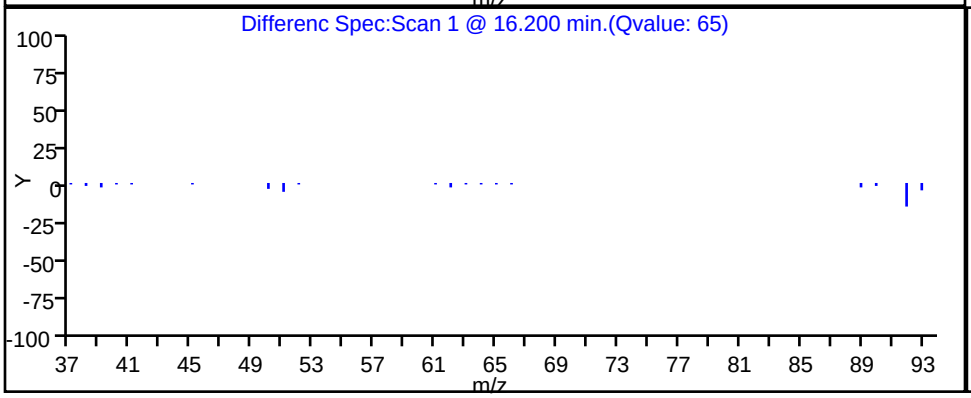


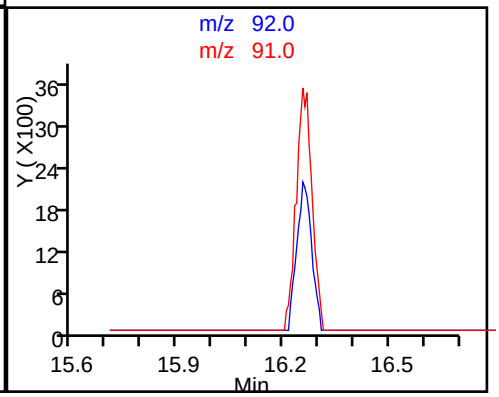












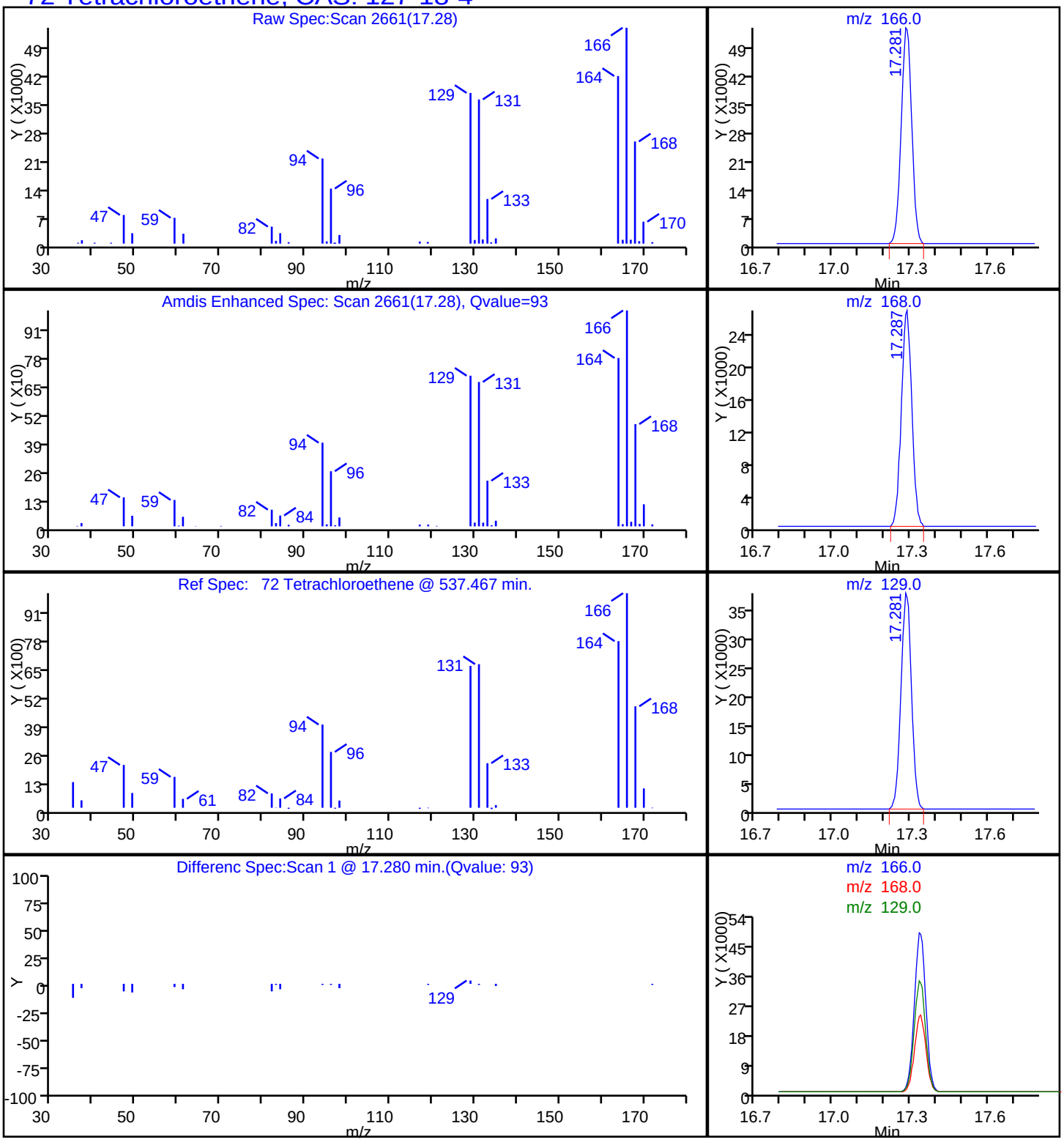
Report Date: 17-Feb-2014 15:08:59 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_19.D

Injection Date:	15-Feb-2014 07:41:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-2	Lab Sample ID:	200-20861-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	17	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-3 Lab Sample ID: 200-20861-3

Matrix: Air Lab File ID: 6163_20.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:45

Sample wt/vol: 200(mL) Date Analyzed: 02/15/2014 08:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.64		0.50	0.030
75-45-6	Freon 22	86.47	0.55		0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.54		0.50	0.14
106-97-8	n-Butane	58.12	0.73		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.29		0.20	0.030
76-13-1	Freon 113	187.38	0.19	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.6		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	18		5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	1.4		0.50	0.034
75-09-2	Methylene Chloride	84.93	8.0		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.12	J	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.060	J	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.27		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.27		0.20	0.064
67-66-3	Chloroform	119.38	0.28		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	0.38	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.085		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.21		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.14	J	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-3 Lab Sample ID: 200-20861-3

Matrix: Air Lab File ID: 6163_20.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:45

Sample wt/vol: 200(mL) Date Analyzed: 02/15/2014 08:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	5.6		0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.29		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	3.4		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.072	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.17	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.084	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.25		0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.081	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.077	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-3 Lab Sample ID: 200-20861-3

Matrix: Air Lab File ID: 6163_20.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:45

Sample wt/vol: 200(mL) Date Analyzed: 02/15/2014 08:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U *	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U ^ *	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-3 Lab Sample ID: 200-20861-3

Matrix: Air Lab File ID: 6163_20.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:45

Sample wt/vol: 200(mL) Date Analyzed: 02/15/2014 08:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	3.2		2.5	0.15
75-45-6	Freon 22	86.47	1.9		1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.1		1.0	0.28
106-97-8	n-Butane	58.12	1.7		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.6		1.1	0.17
76-13-1	Freon 113	187.38	1.4	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	13		12	3.0
67-63-0	Isopropyl alcohol	60.10	44		12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	4.5		1.6	0.11
75-09-2	Methylene Chloride	84.93	28		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.44	J	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.24	J	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	1.1		0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	1.1		0.79	0.25
67-66-3	Chloroform	119.38	1.3		0.98	0.12
109-99-9	Tetrahydrofuran	72.11	1.1	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.53		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.66		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.55	J	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-3 Lab Sample ID: 200-20861-3

Matrix: Air Lab File ID: 6163_20.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:45

Sample wt/vol: 200(mL) Date Analyzed: 02/15/2014 08:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	30		0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	1.1		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	23		1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.31	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.72	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.36	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	1.1		0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.40	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.38	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-3 Lab Sample ID: 200-20861-3

Matrix: Air Lab File ID: 6163_20.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:45

Sample wt/vol: 200(mL) Date Analyzed: 02/15/2014 08:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U *	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U ^ *	2.6	1.0

Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D
Lims ID: 200-20861-A-3 Lab Sample ID: 200-20861-3
Client ID: SDS-3
Sample Type: Client
Inject. Date: 15-Feb-2014 08:34:30 ALS Bottle#: 18 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006163-020
Operator ID: pad Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Feb-2014 15:10:45 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desjardinsb Date: 17-Feb-2014 15:10:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.261	3.261	0.0	93	37357	0.6416	
6 Chlorodifluoromethane	51	3.325	3.325	0.0	75	9835	0.5492	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.555					
8 Chloromethane	50	3.704	3.704	0.0	70	5005	0.5431	
9 Butane	43	3.928	3.923	0.005	87	9594	0.7285	
10 Vinyl chloride	62		3.976					
11 Butadiene	54		4.062					
12 Bromomethane	94		4.798					
13 Chloroethane	64		5.065					
15 Vinyl bromide	106		5.476					
16 Trichlorofluoromethane	101	5.583	5.583	0.0	70	19856	0.2891	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.730	6.725	0.005	75	9453	0.1872	
23 1,1-Dichloroethene	96		6.768					
25 Acetone	43	7.056	7.050	0.006	91	76180	5.64	
26 Carbon disulfide	76		7.157					
28 Isopropyl alcohol	45	7.376	7.371	0.005	98	176837	17.8	
29 3-Chloro-1-propene	41	7.376	7.600	-0.224	1	14185	1.44	
31 Methylene Chloride	49	7.904	7.910	-0.006	67	93405	8.02	
32 2-Methyl-2-propanol	59		8.177					
33 Methyl tert-butyl ether	73		8.331					
34 trans-1,2-Dichloroethene	61		8.358					
36 Hexane	57	8.737	8.748	-0.011	53	2773	0.1235	
37 1,1-Dichloroethane	63	9.270	9.276	-0.006	2	1902	0.0598	
S 39 1,2-Dichloroethene, Total	61				0		0.2702	
40 cis-1,2-Dichloroethene	96	10.439	10.439	0.0	61	8868	0.2702	
41 2-Butanone (MEK)	72		10.519					
* 43 Chlorobromomethane	128	10.925	10.930	-0.005	66	345986	10.0	
44 Tetrahydrofuran	42	10.978	10.946	0.032	74	4429	0.3825	
45 Chloroform	83	11.064	11.069	-0.005	86	16794	0.2754	
46 Cyclohexane	84		11.304					
47 1,1,1-Trichloroethane	97		11.347					
49 Carbon tetrachloride	117	11.597	11.597	0.0	69	5979	0.0849	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	50	Isooctane	57		12.062					
	51	Benzene	78	12.094	12.104	-0.010	68	19169	0.2054	
	52	1,2-Dichloroethane	62		12.307					
	53	n-Heptane	43	12.457	12.473	-0.016	61	4106	0.1353	
*	54	1,4-Difluorobenzene	114	12.996	13.001	-0.005	93	1797215	10.0	
	56	Trichloroethene	95	13.476	13.481	-0.005	94	267843	5.56	
	58	1,2-Dichloropropane	63		14.079					
	59	Methyl methacrylate	69		14.261					
	60	1,4-Dioxane	88		14.330					
	62	Dichlorobromomethane	83		14.650					
	64	cis-1,3-Dichloropropene	75		15.611					
	65	4-Methyl-2-pentanone (MIBK)	43		15.920					
	66	Toluene	92	16.203	16.209	-0.006	85	23609	0.2947	
	70	trans-1,3-Dichloropropene	75		16.822					
	71	1,1,2-Trichloroethane	83		17.201					
	72	Tetrachloroethene	166	17.287	17.287	-0.001	98	240870	3.44	
	73	2-Hexanone	43		17.660					
	74	Chlorodibromomethane	129		17.970					
	75	Ethylene Dibromide	107		18.247					
*	76	Chlorobenzene-d5	117	19.138	19.144	-0.006	82	1626480	10.0	
	77	Chlorobenzene	112		19.203					
	79	Ethylbenzene	91	19.347	19.352	-0.005	61	12459	0.0725	
	81	m-Xylene & p-Xylene	106	19.592	19.603	-0.011	97	11845	0.1654	
S	82	Xylenes, Total	106		20.100					
	83	o-Xylene	106	20.403	20.409	-0.006	69	5876	0.0839	
	84	Styrene	104		20.457					
	85	Bromoform	173		20.857					
$	87	4-Bromofluorobenzene	95	21.391	21.396	-0.005	92	1196270	NC	
	88	1,1,2,2-Tetrachloroethane	83		21.663					
	89	N-Propylbenzene	91		21.722					
	92	4-Ethyltoluene	105		21.903					
	93	2-Chlorotoluene	91		21.919					
	94	1,3,5-Trimethylbenzene	105	22.004	22.004	0.0	77	13557	0.0806	
	96	tert-Butylbenzene	119		22.474					
	97	1,2,4-Trimethylbenzene	105	22.565	22.565	0.0	81	12927	0.0772	
	98	sec-Butylbenzene	105		22.789					
	99	4-Isopropyltoluene	119		22.986					
	100	1,3-Dichlorobenzene	146		23.024					
	101	1,4-Dichlorobenzene	146		23.163					
	102	Benzyl chloride	91		23.371					
	103	n-Butylbenzene	91		23.573					
	105	1,2-Dichlorobenzene	146		23.718					
	107	1,2,4-Trichlorobenzene	180		26.349					
	108	Hexachlorobutadiene	225		26.541					
	109	Naphthalene	128		26.877					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

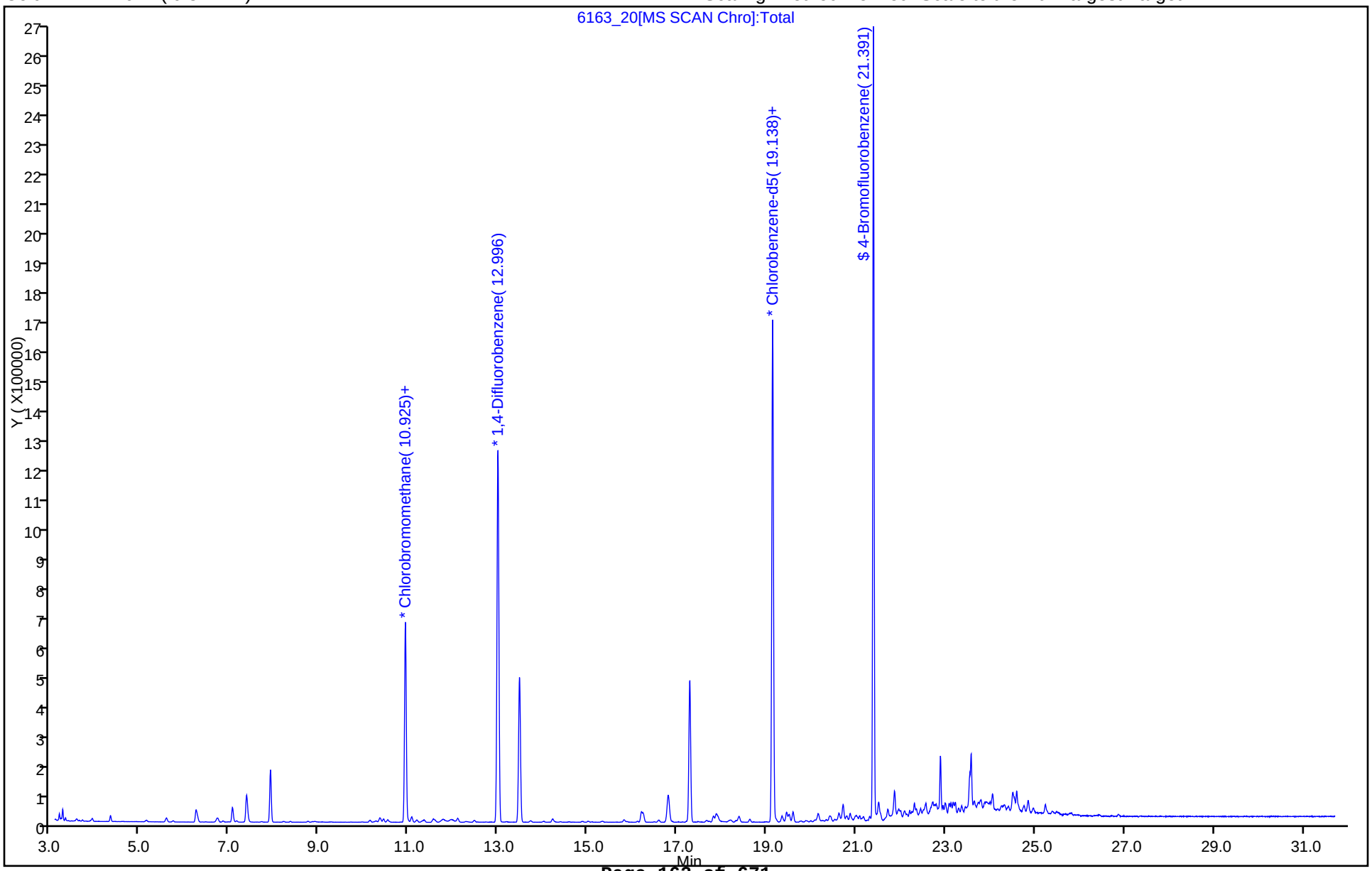
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3	Worklist Smp#:	20
Client ID:	SDS-3				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



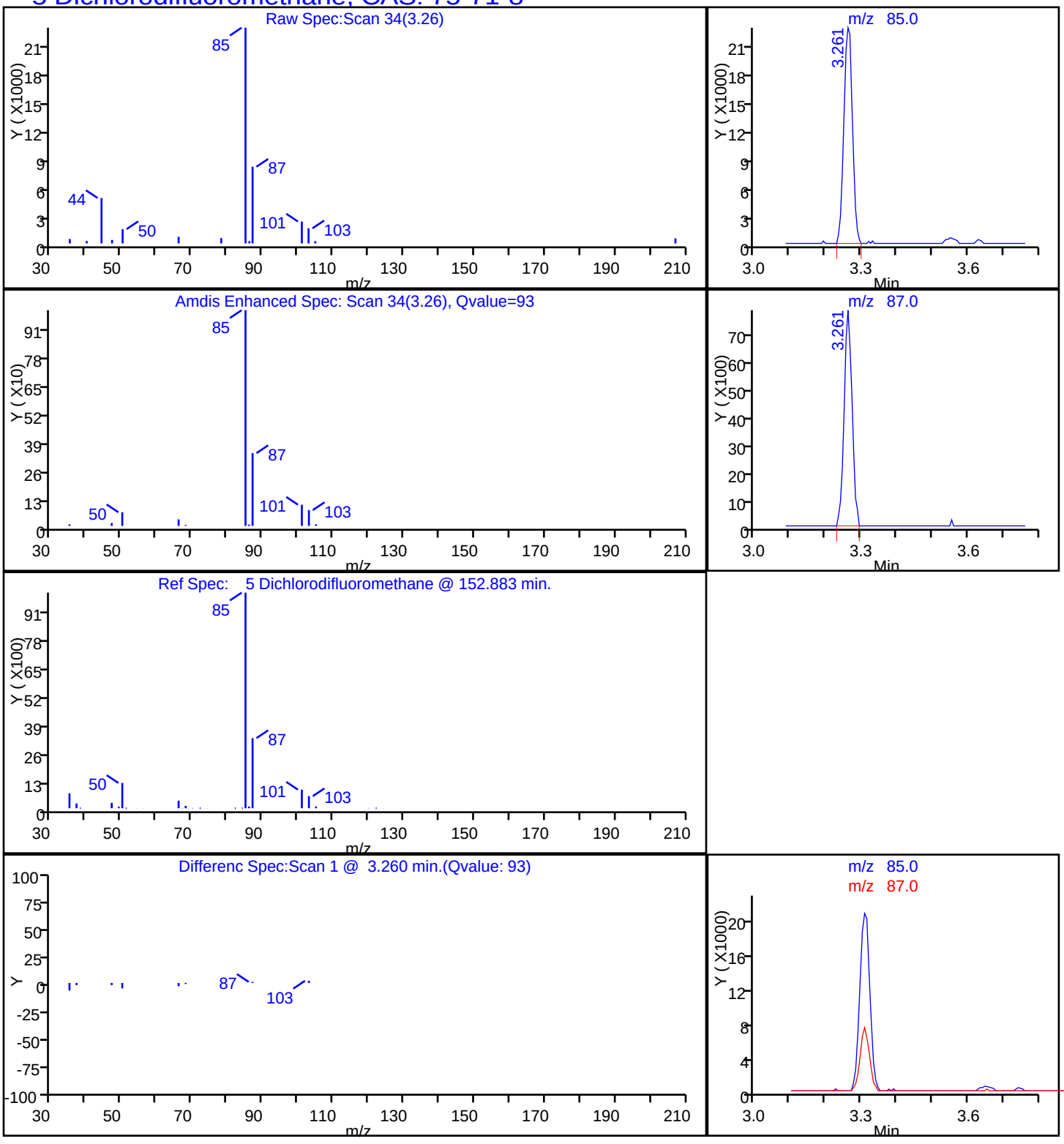
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Dichlorodifluoromethane, CAS: 75-71-8



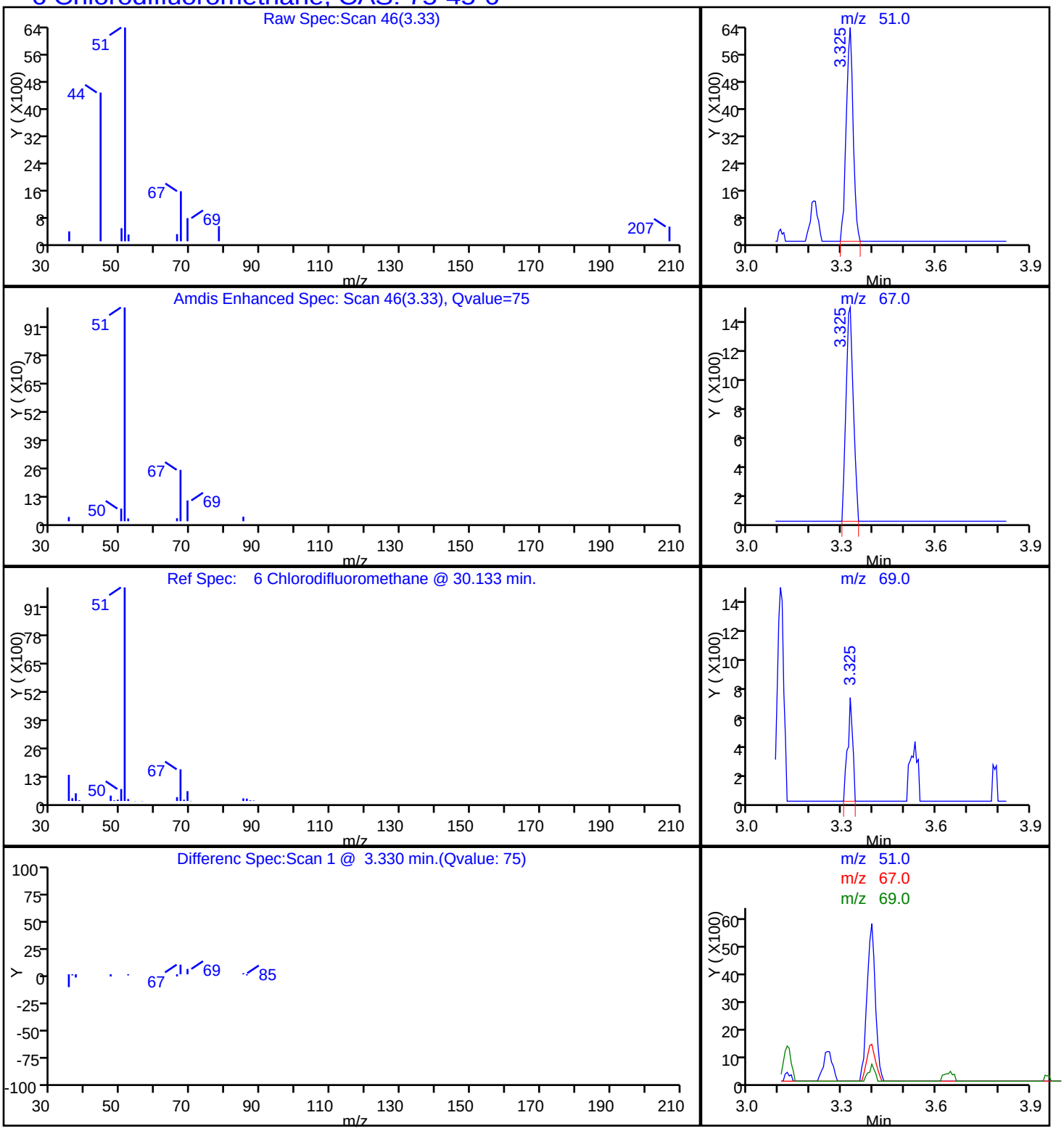
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



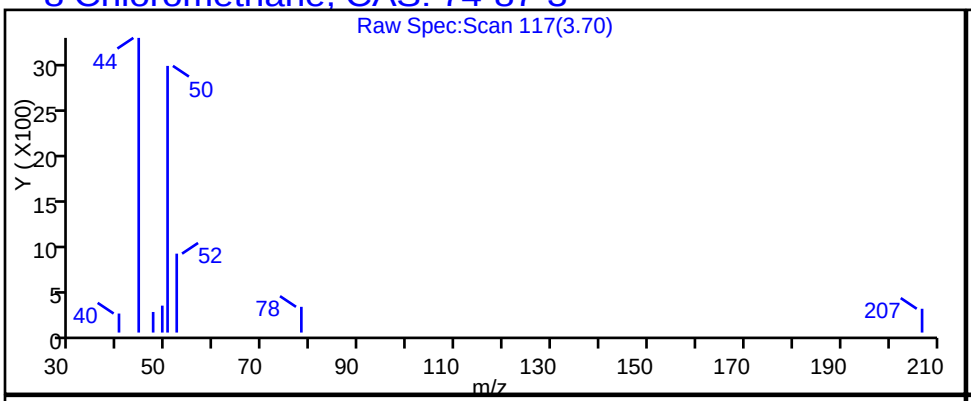
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

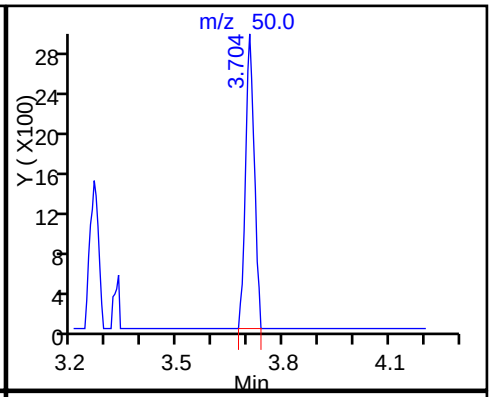
TestAmerica Burlington

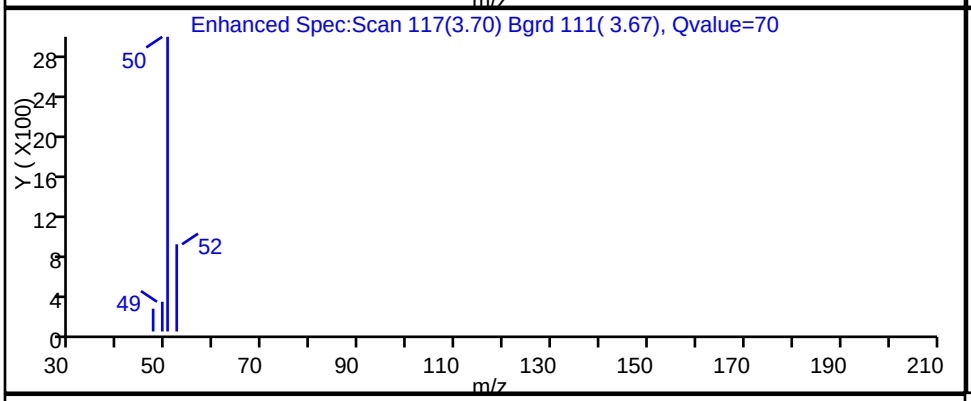
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

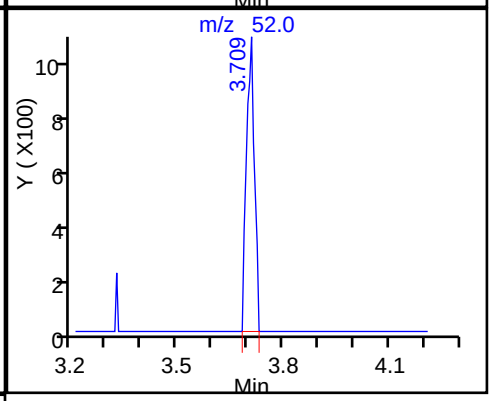
Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

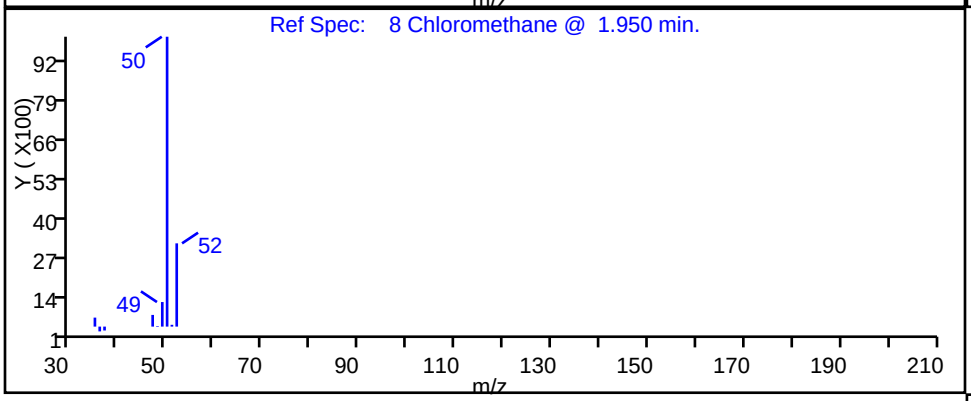
8 Chloromethane, CAS: 74-87-3

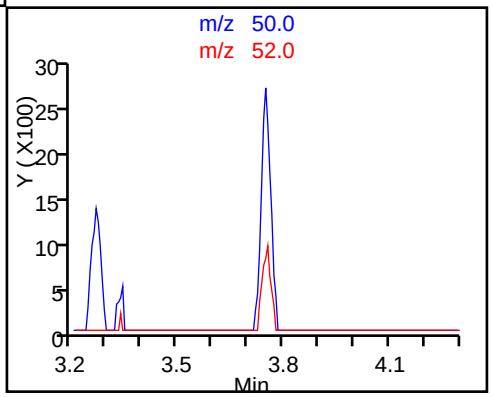












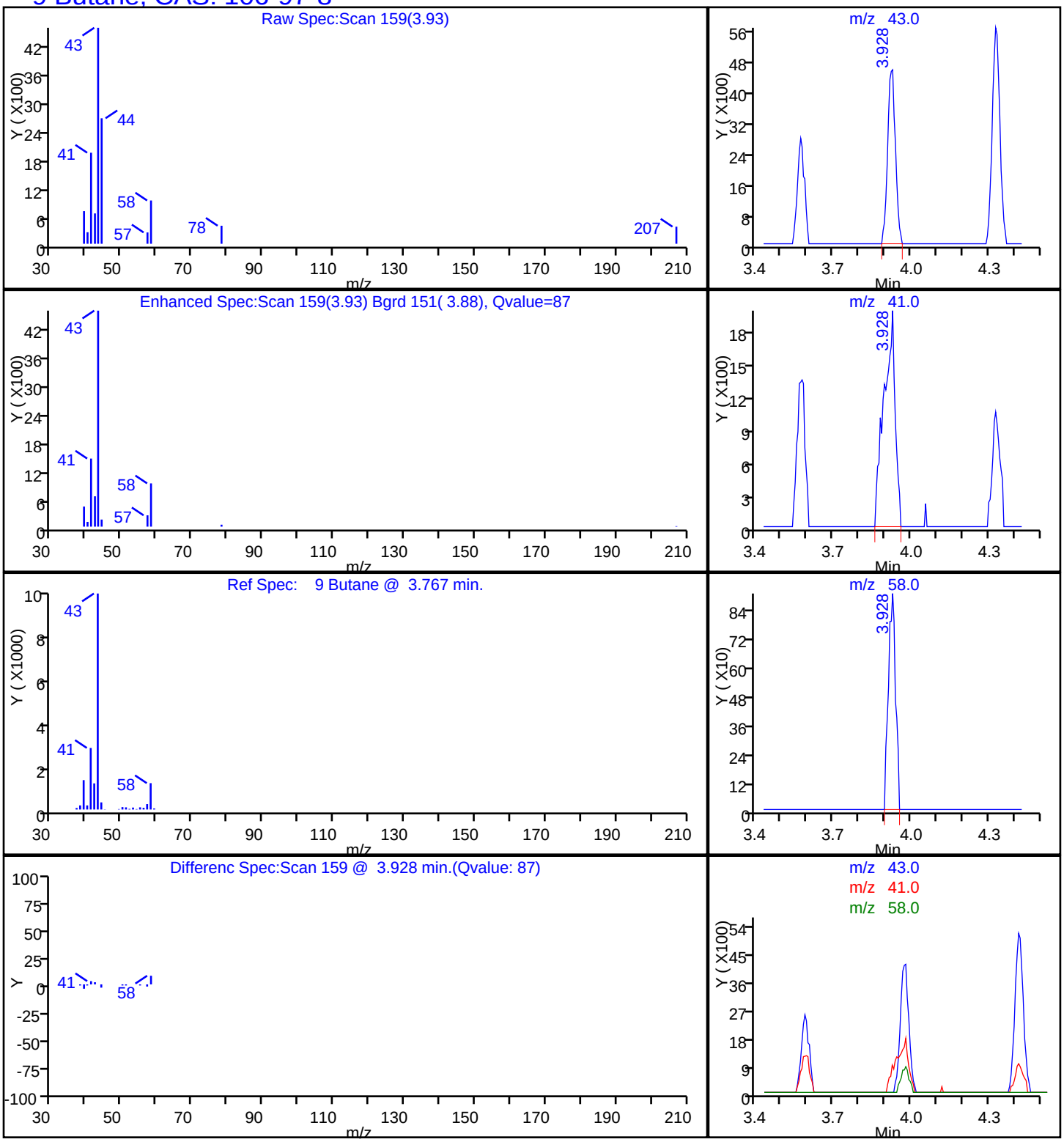
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



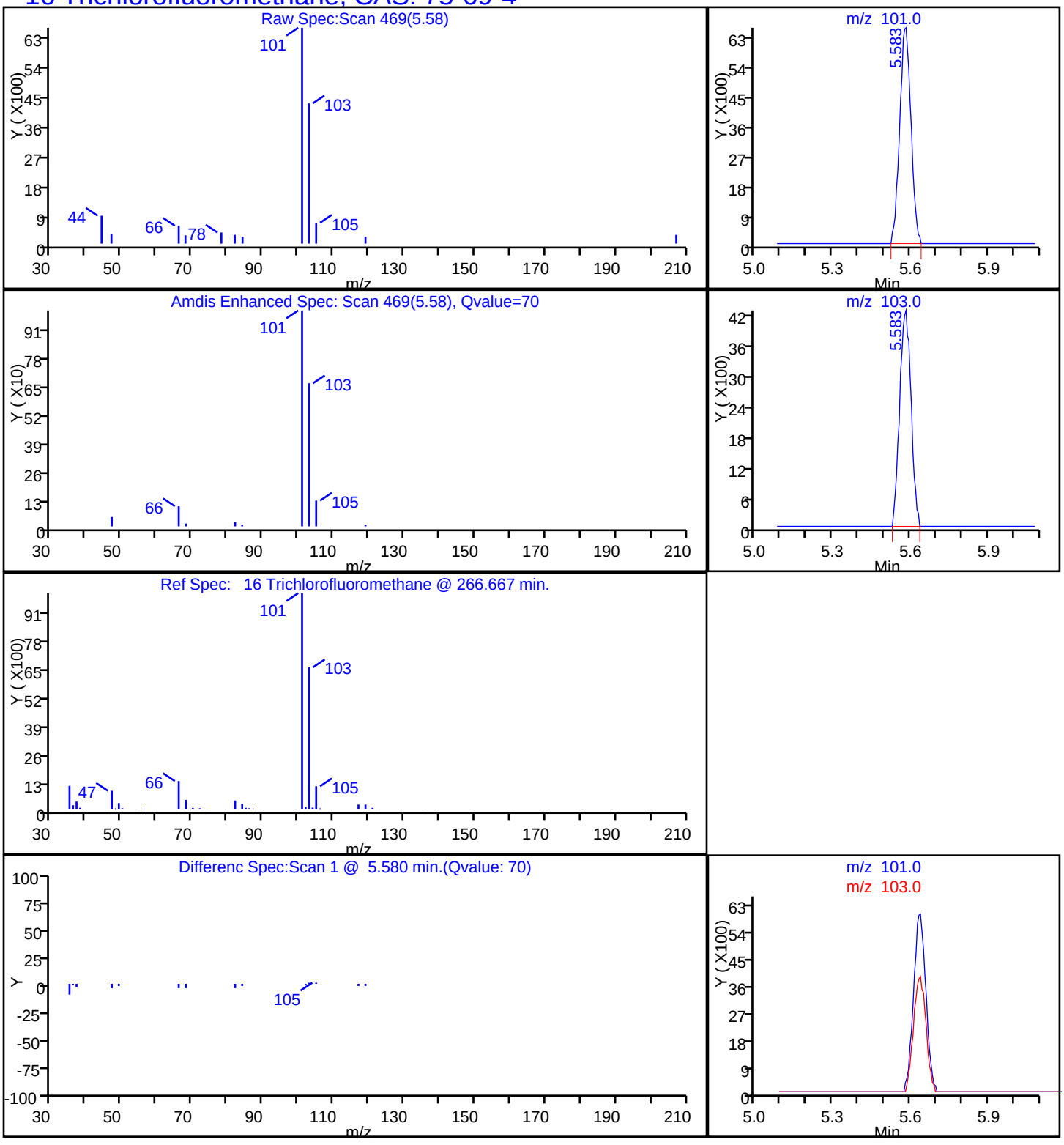
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

16 Trichlorofluoromethane, CAS: 75-69-4

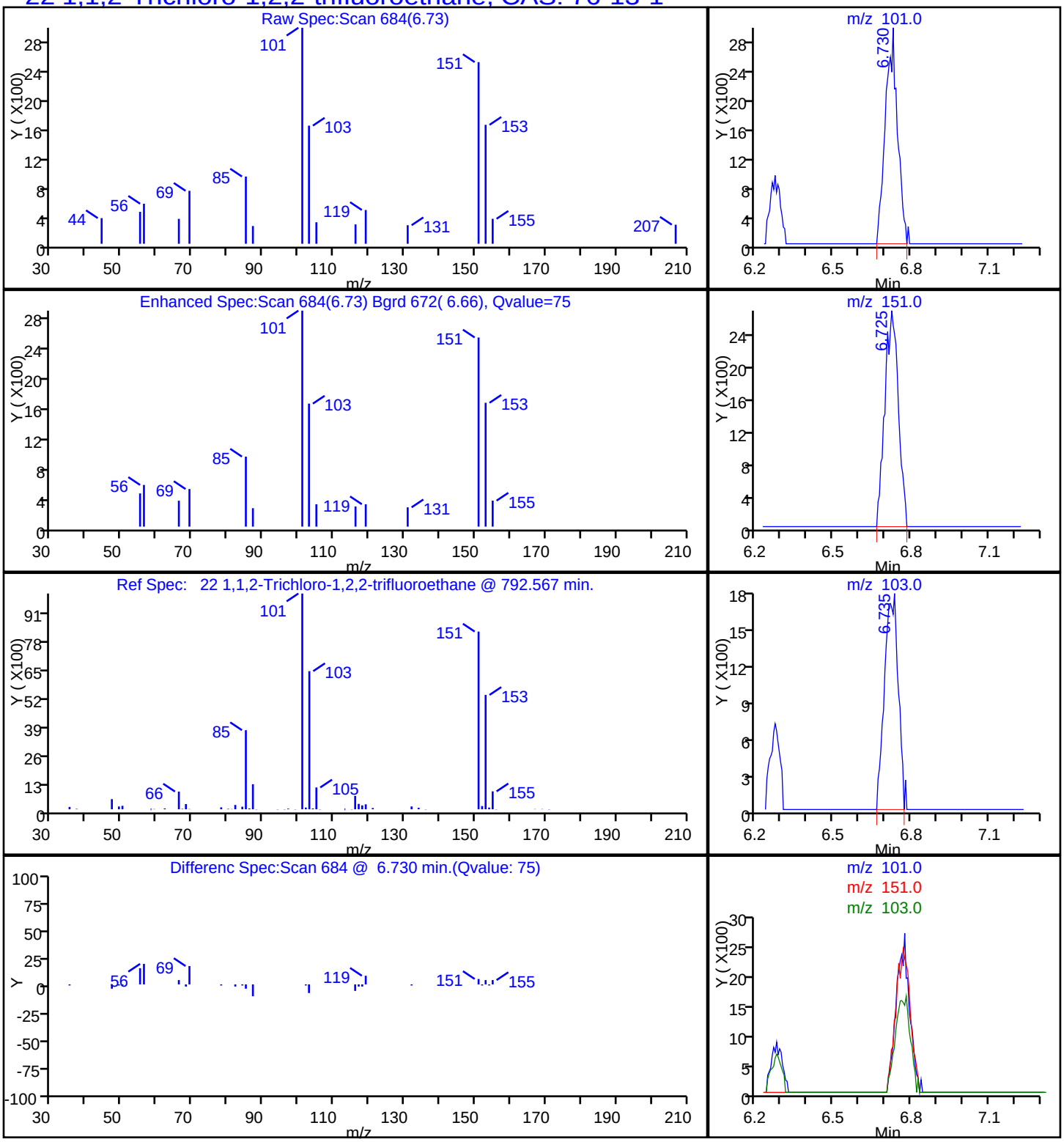


Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D				
Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



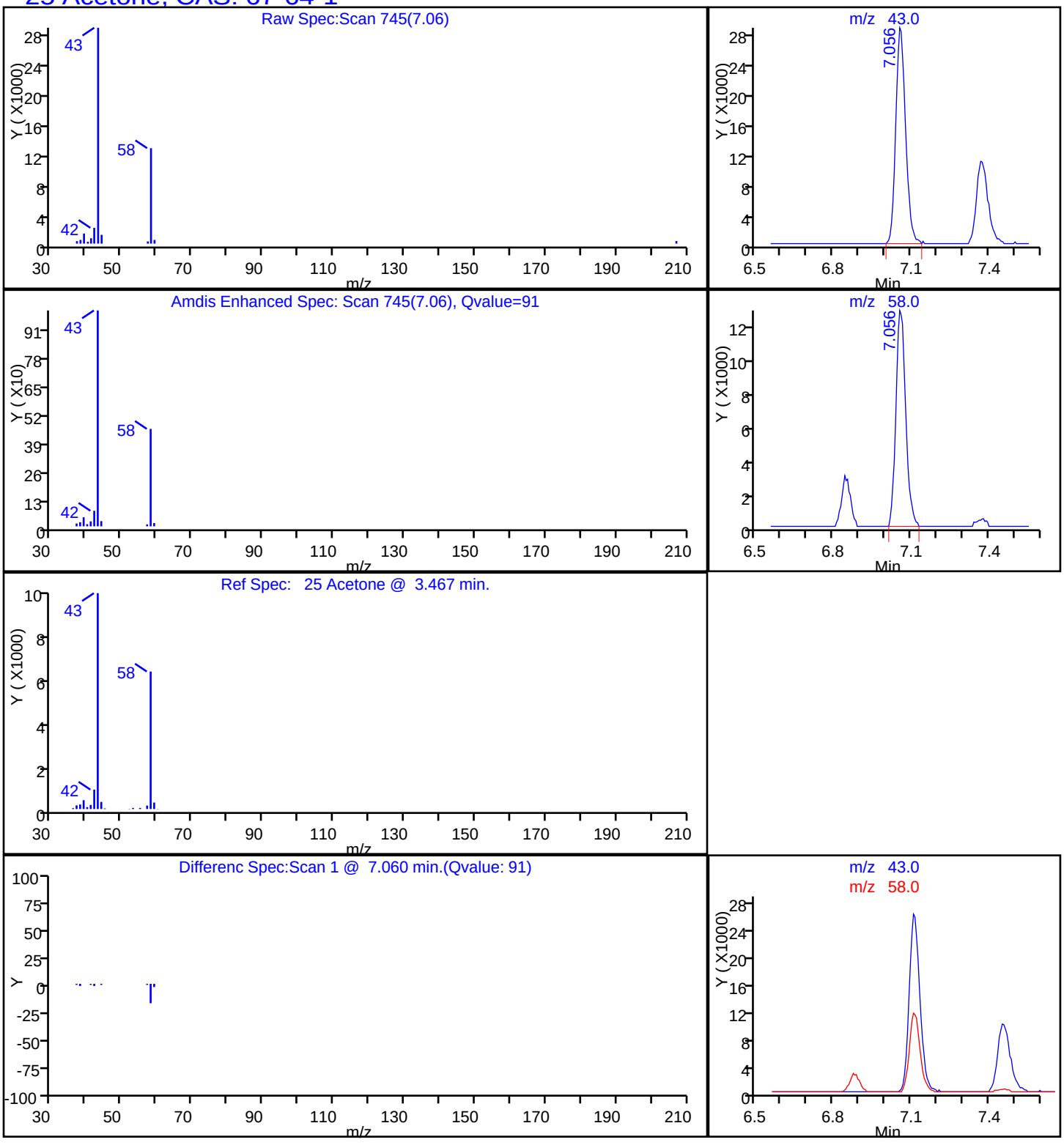
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



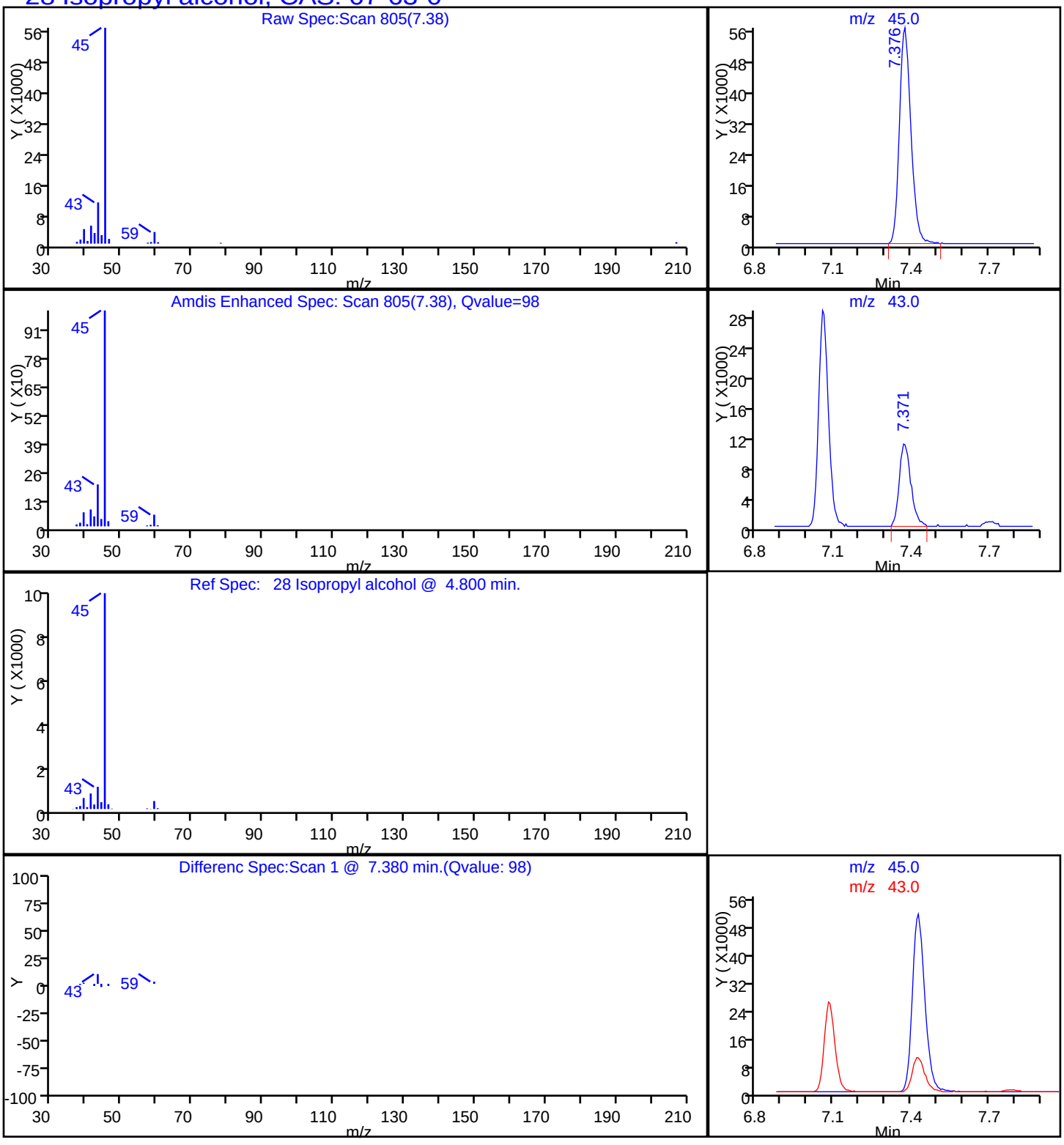
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 Isopropyl alcohol, CAS: 67-63-0



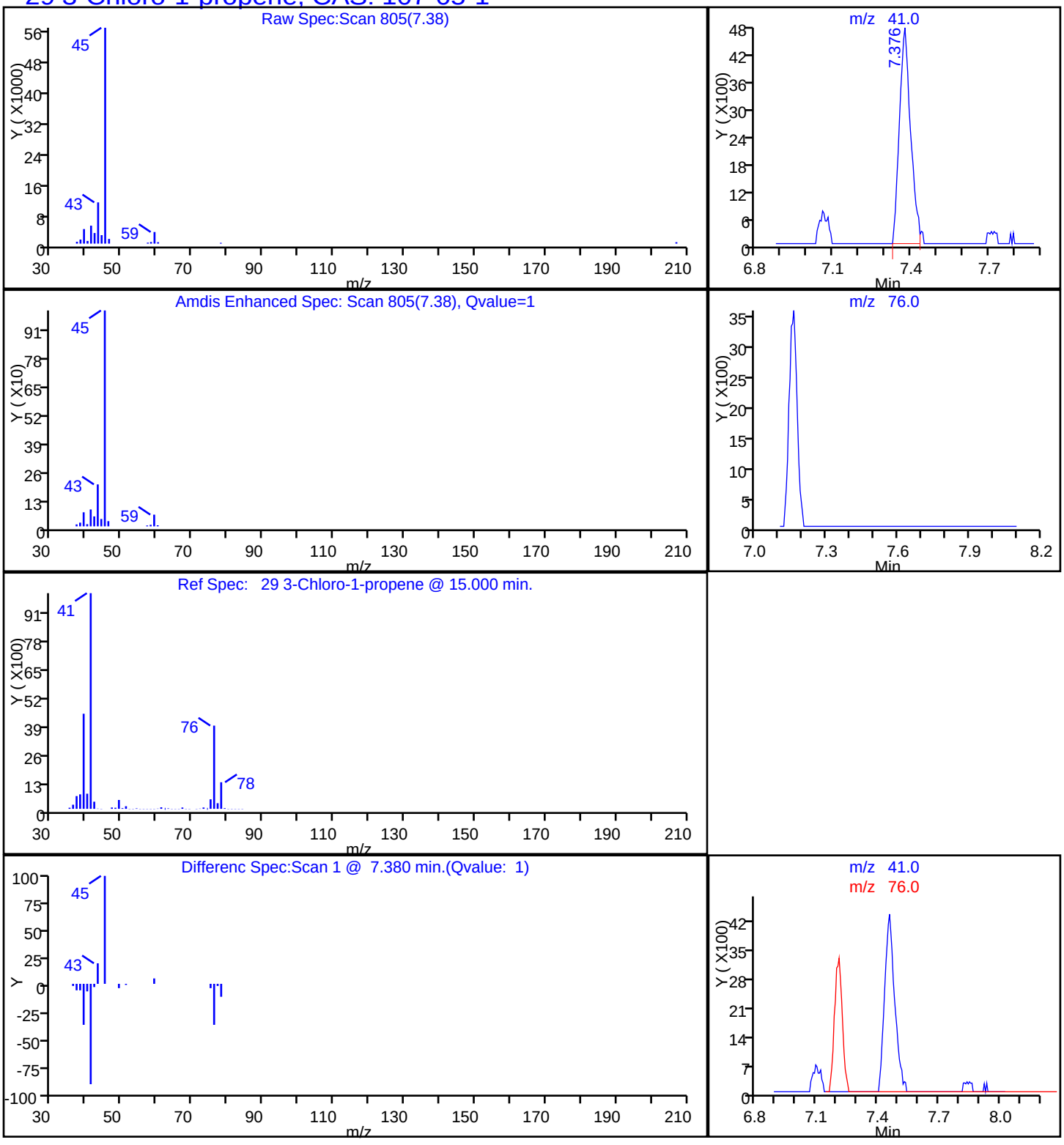
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 3-Chloro-1-propene, CAS: 107-05-1



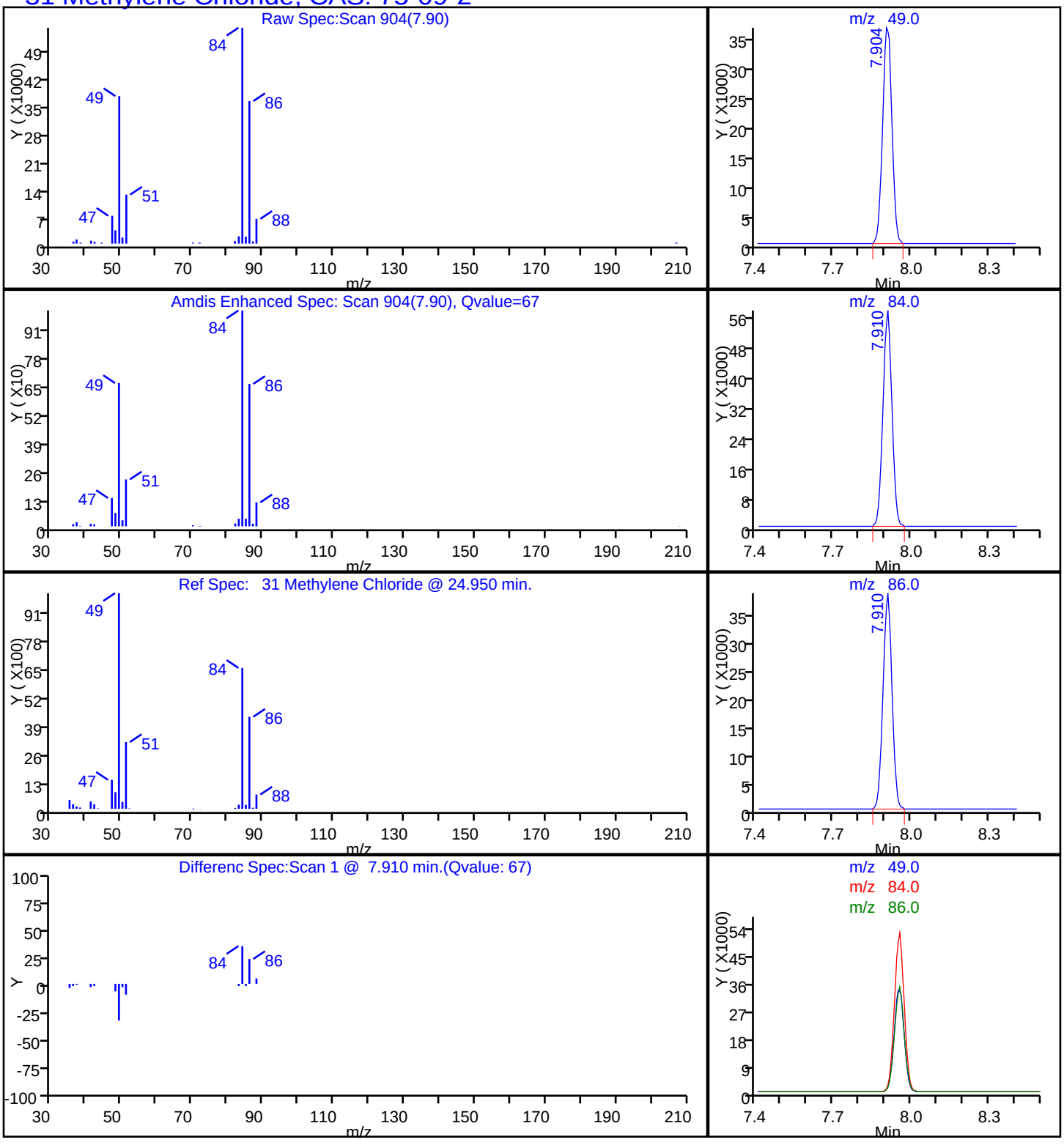
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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TestAmerica Burlington

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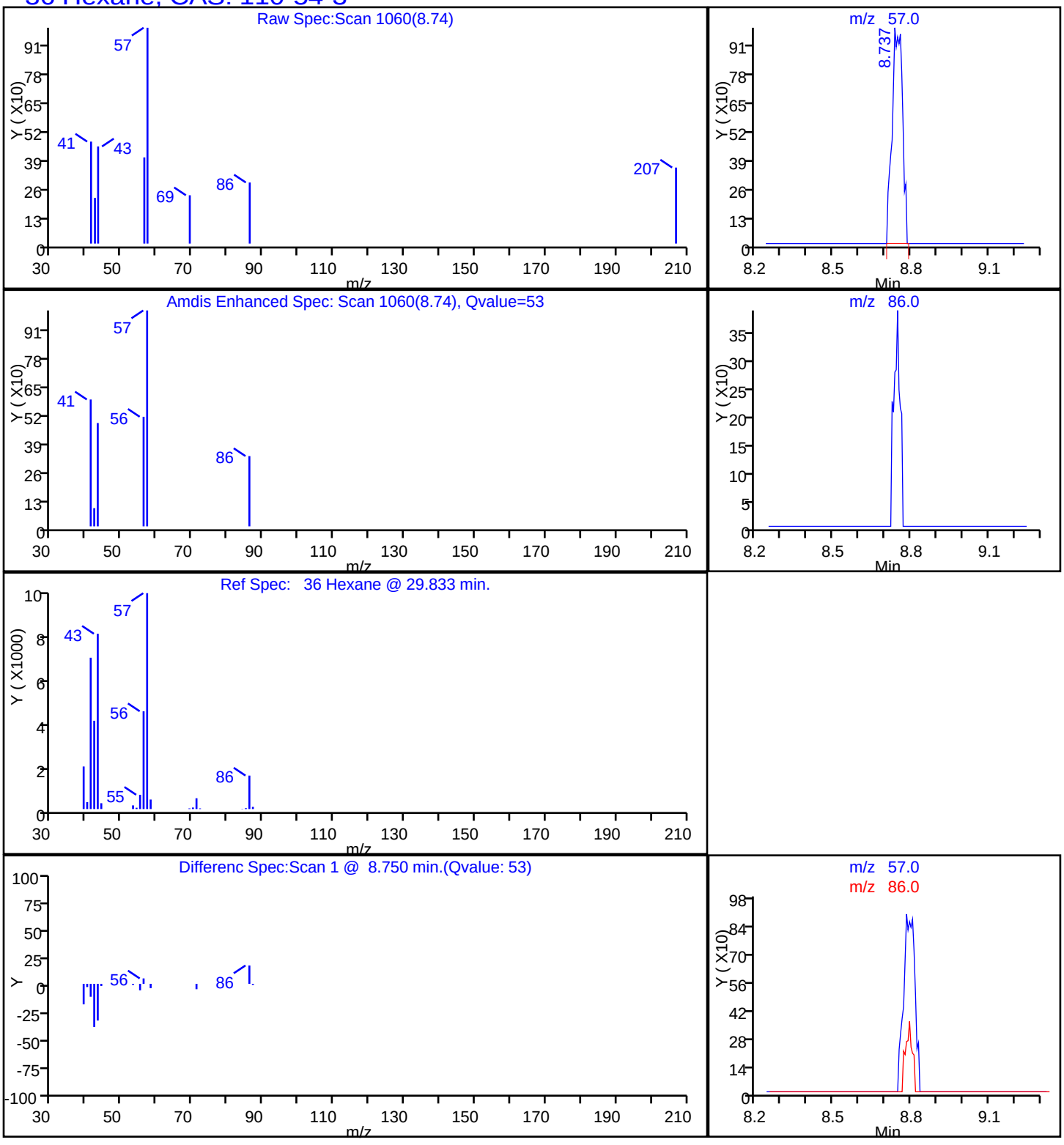
Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



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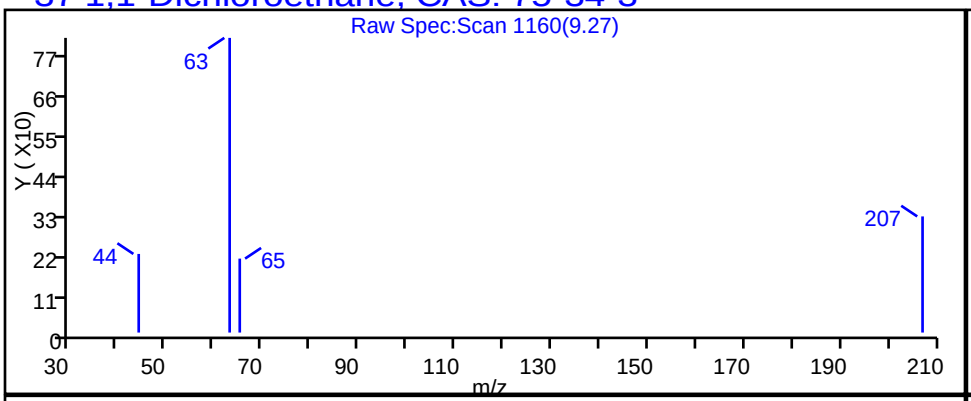
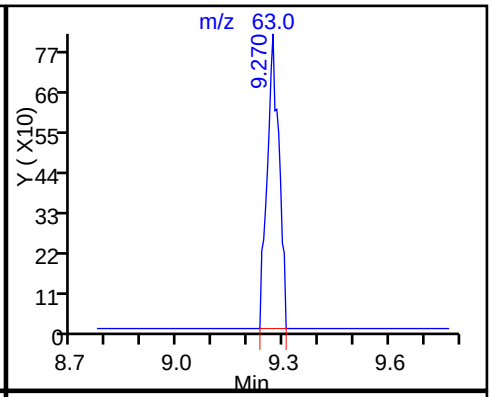
TestAmerica Burlington

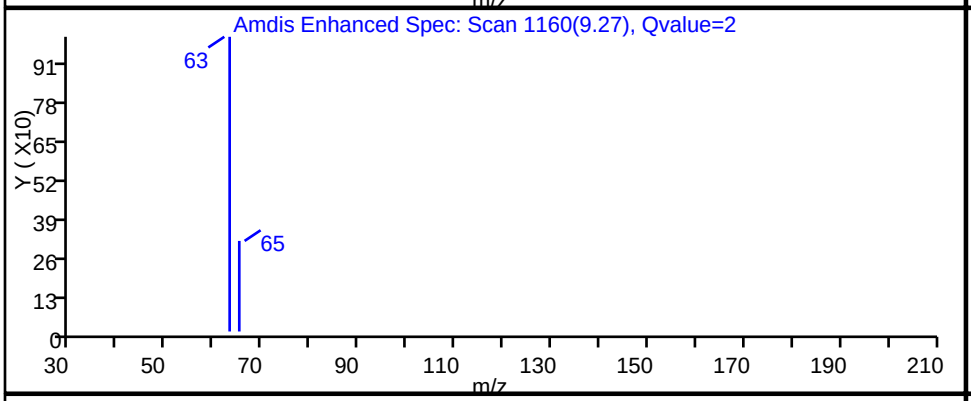
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

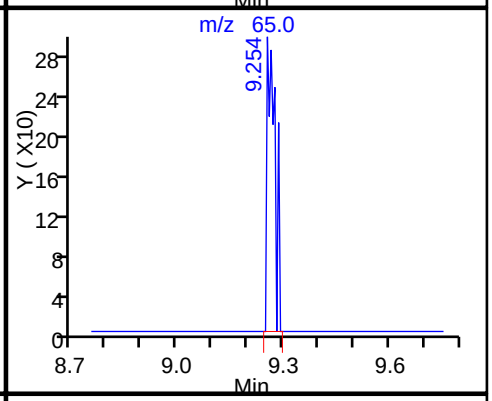
Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

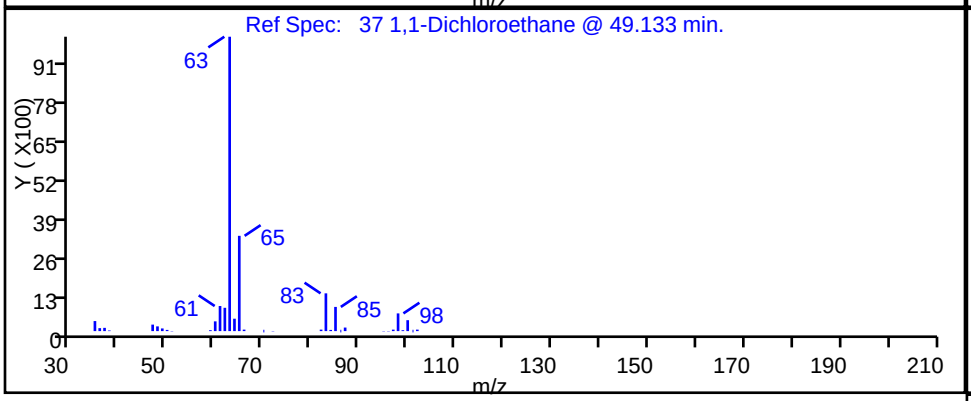
37 1,1-Dichloroethane, CAS: 75-34-3

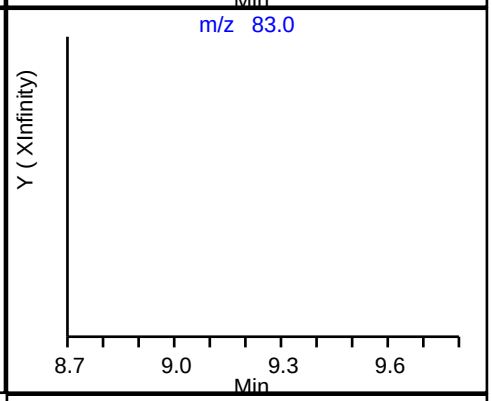


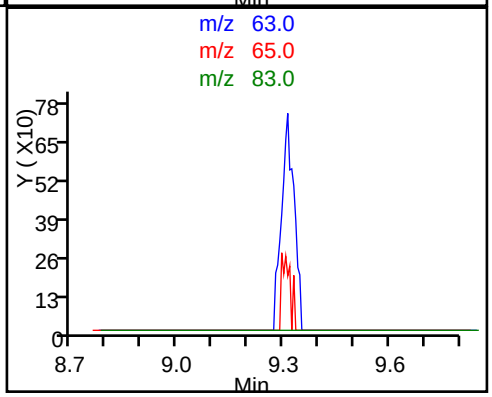












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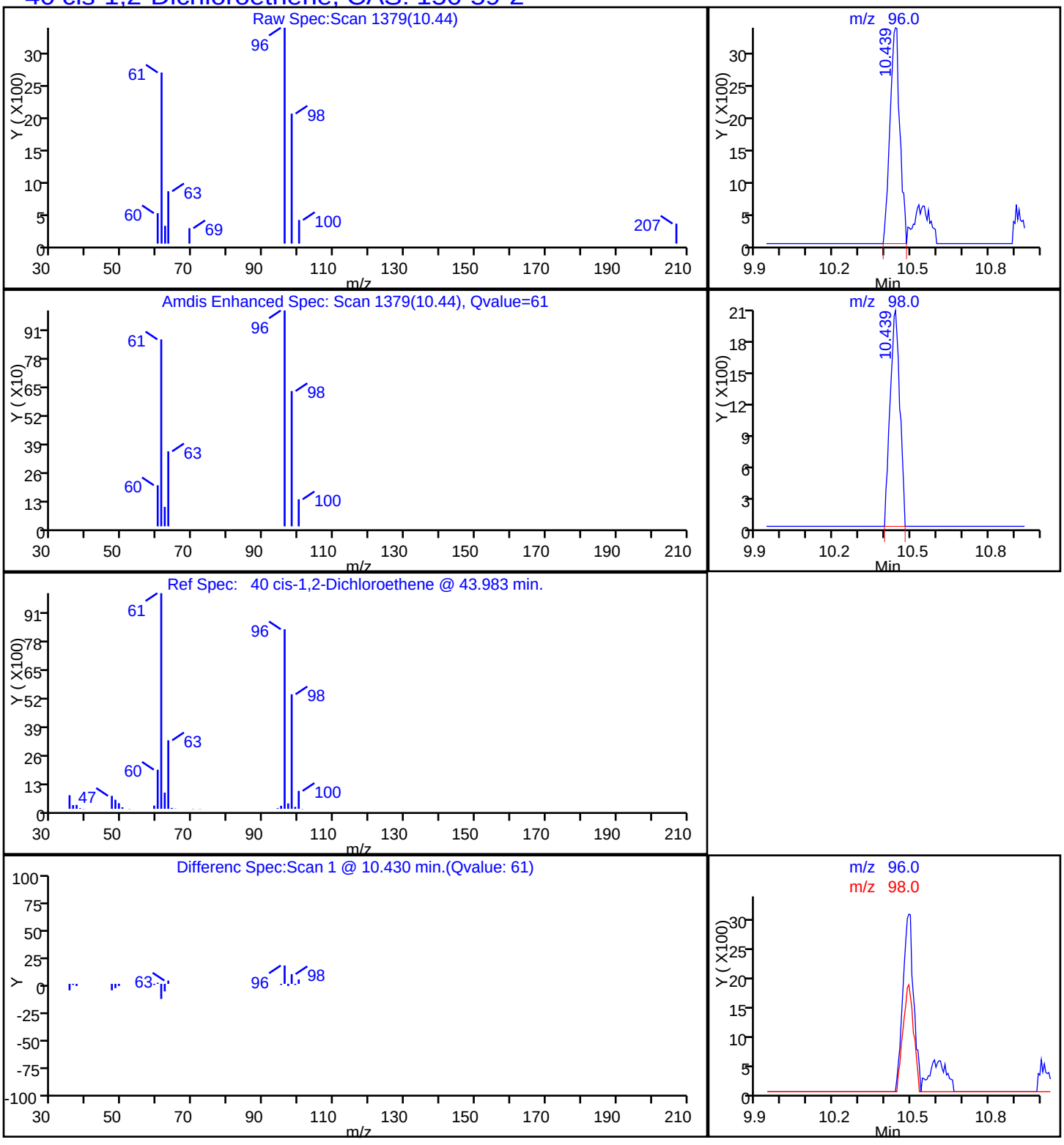
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 cis-1,2-Dichloroethene, CAS: 156-59-2



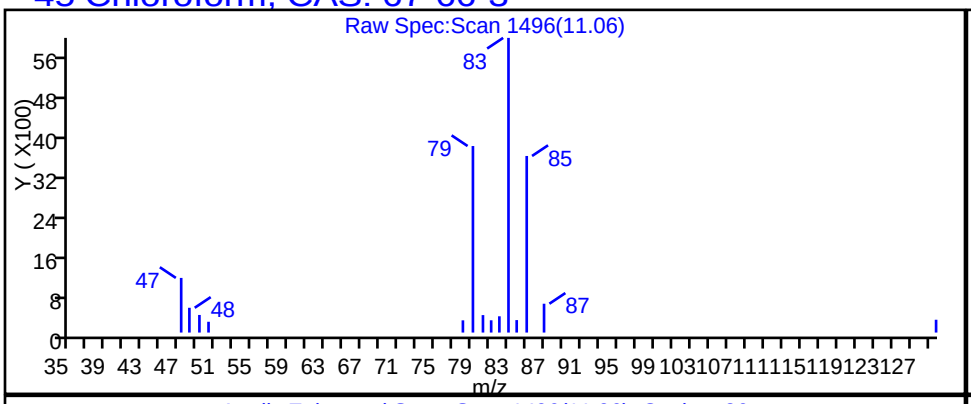
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

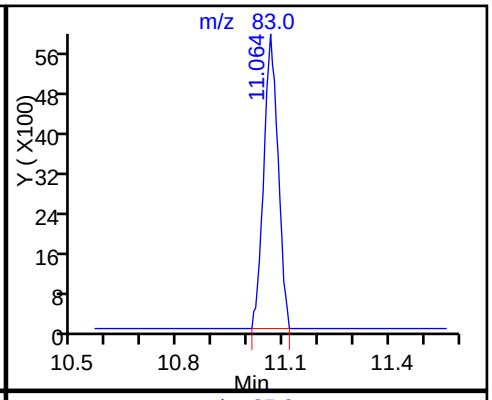
TestAmerica Burlington

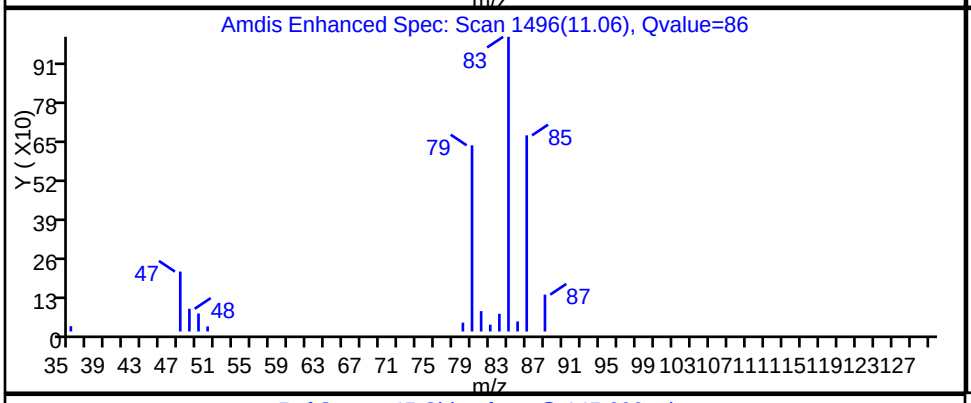
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

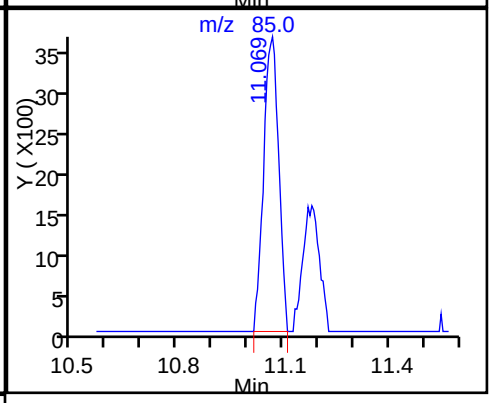
Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

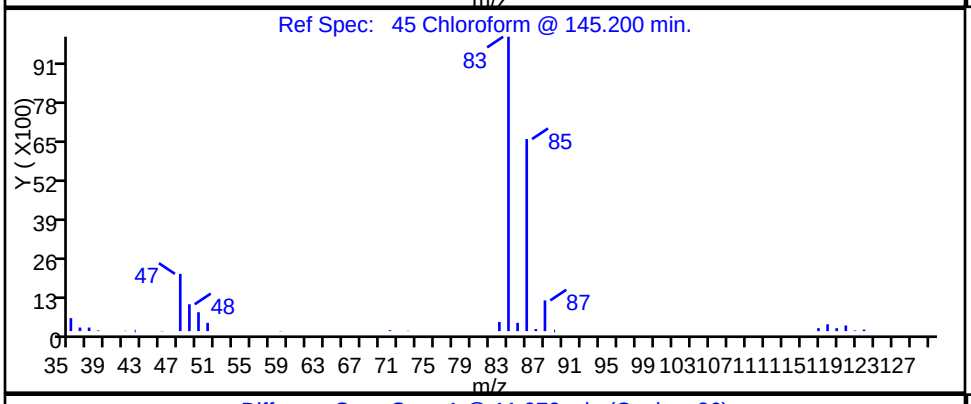
45 Chloroform, CAS: 67-66-3

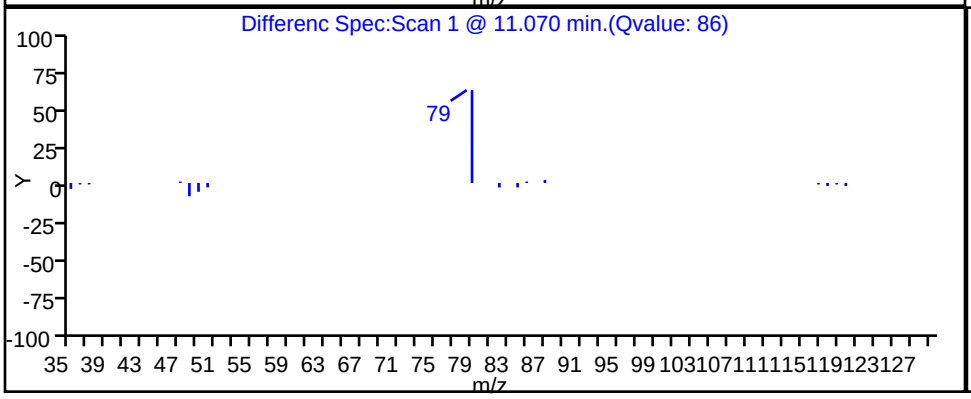


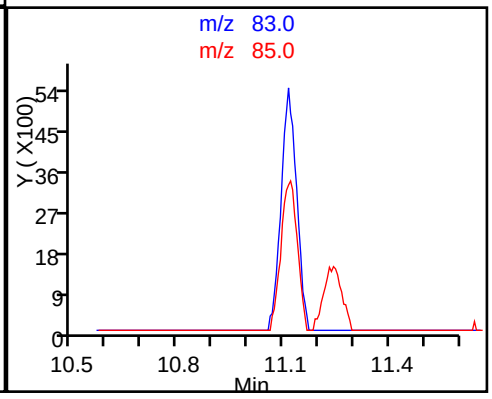












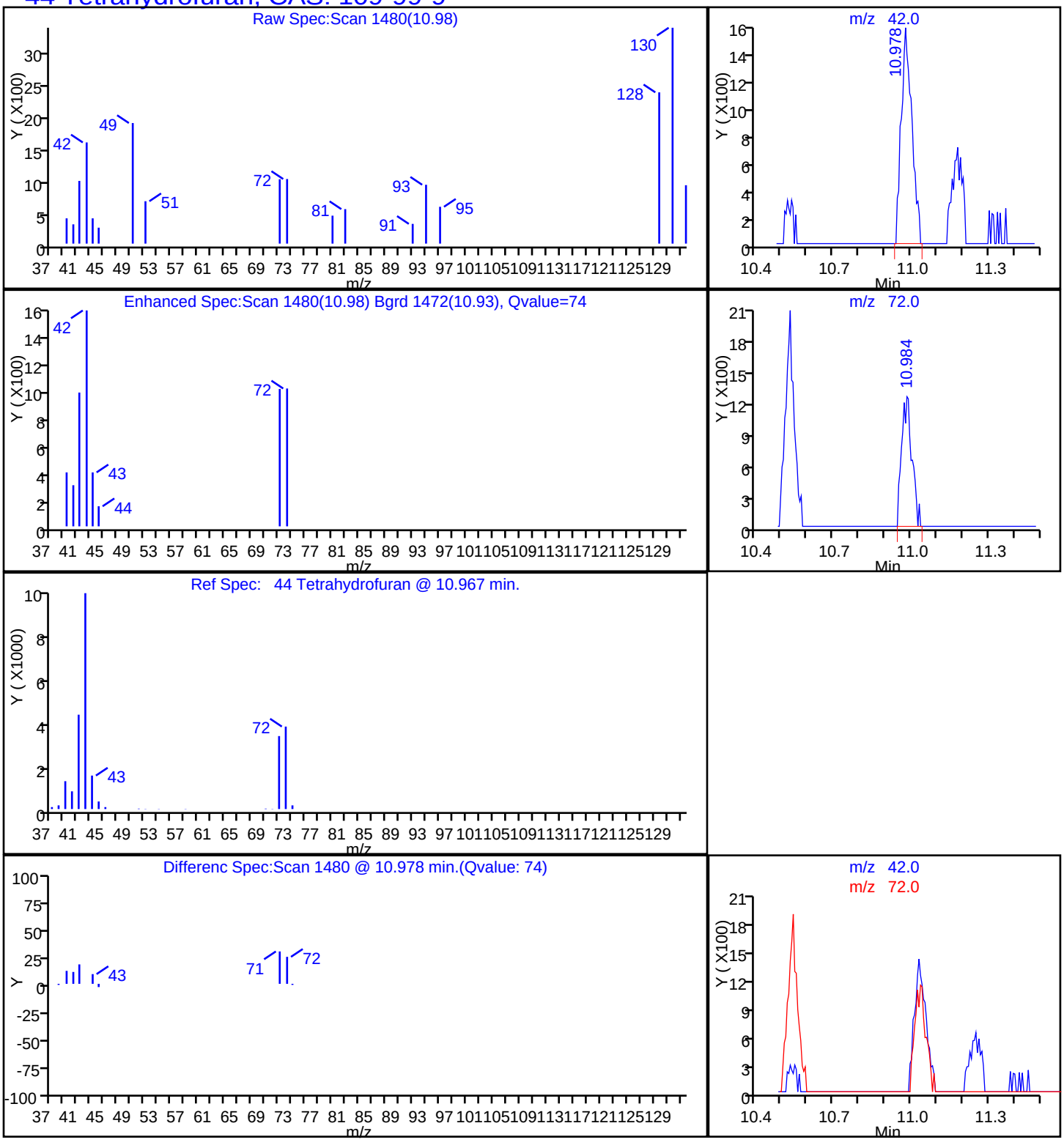
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Tetrahydrofuran, CAS: 109-99-9



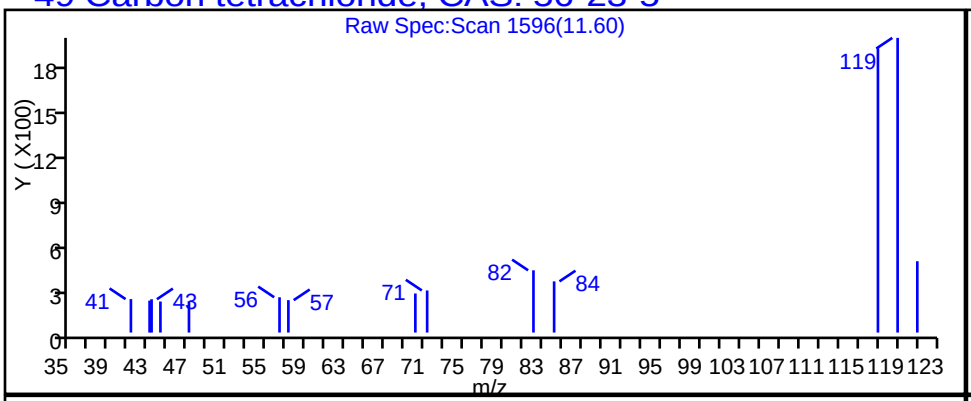
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

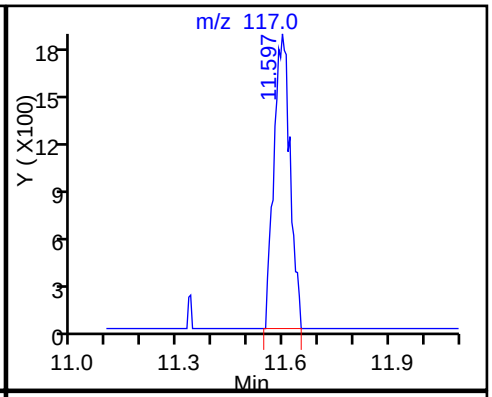
TestAmerica Burlington

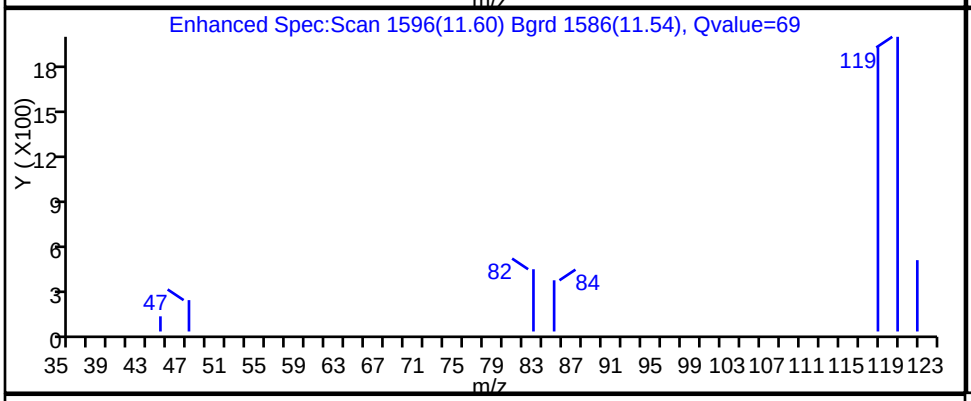
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

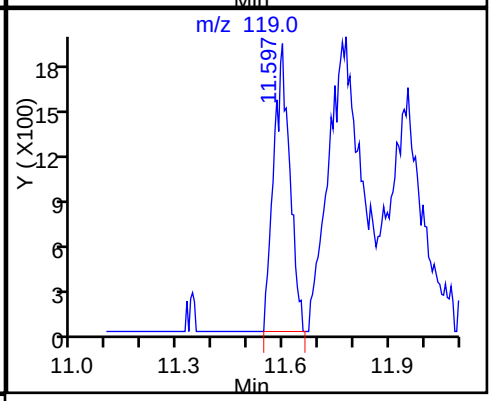
Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

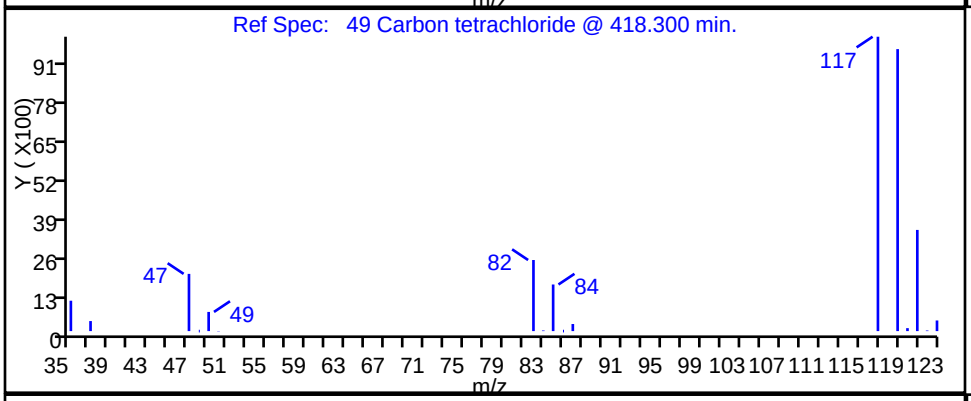
49 Carbon tetrachloride, CAS: 56-23-5

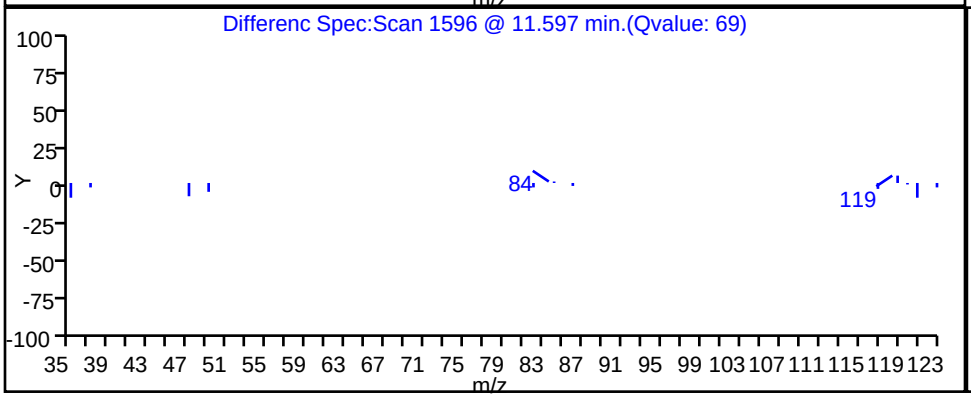


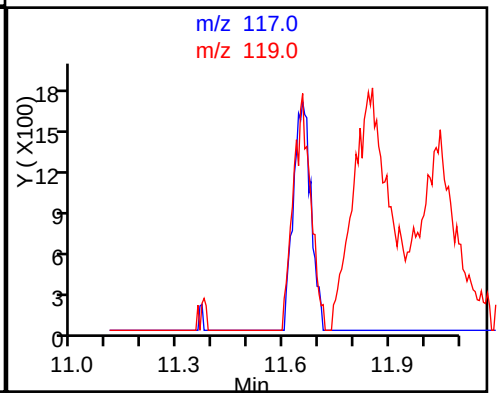












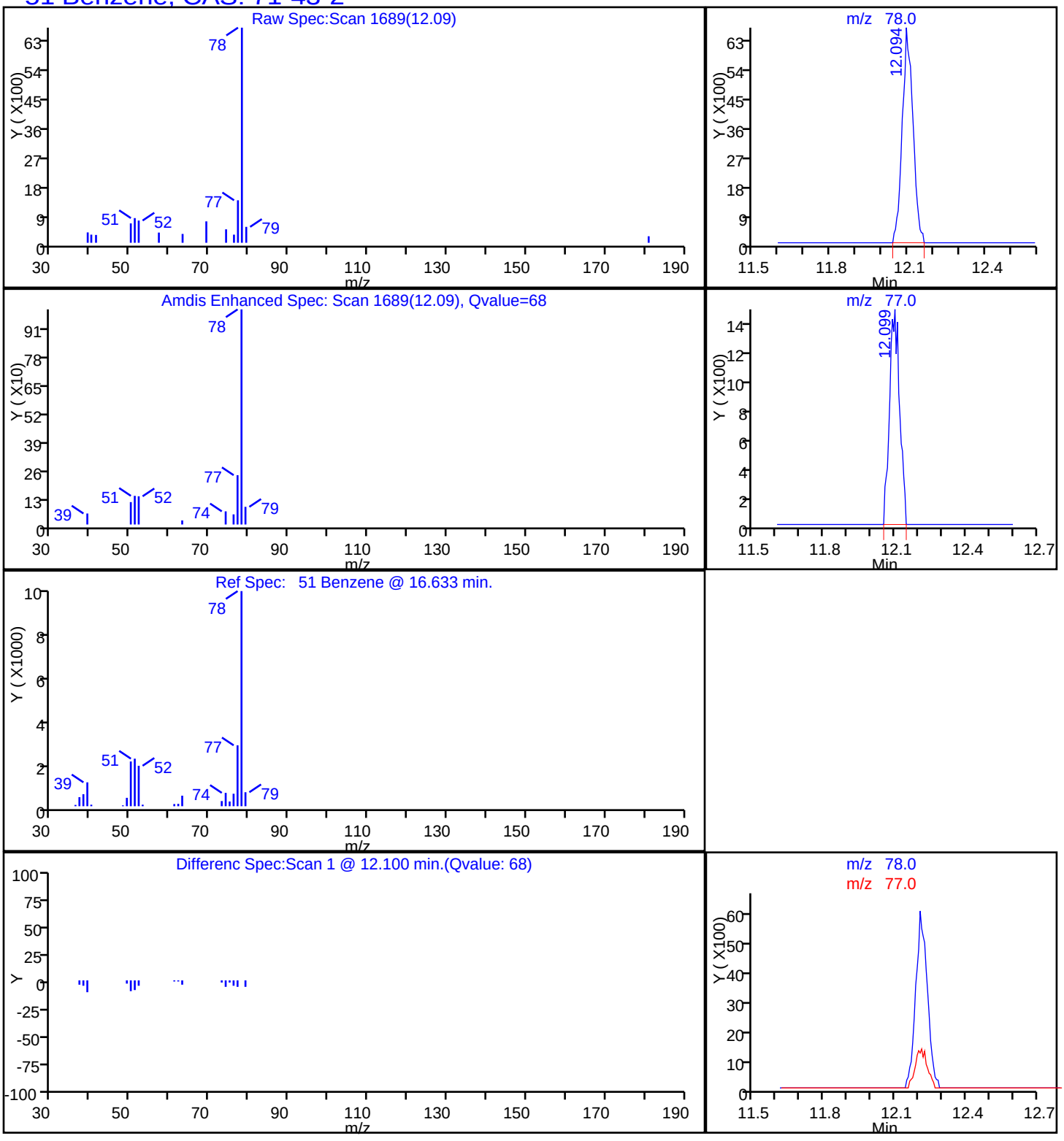
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Benzene, CAS: 71-43-2

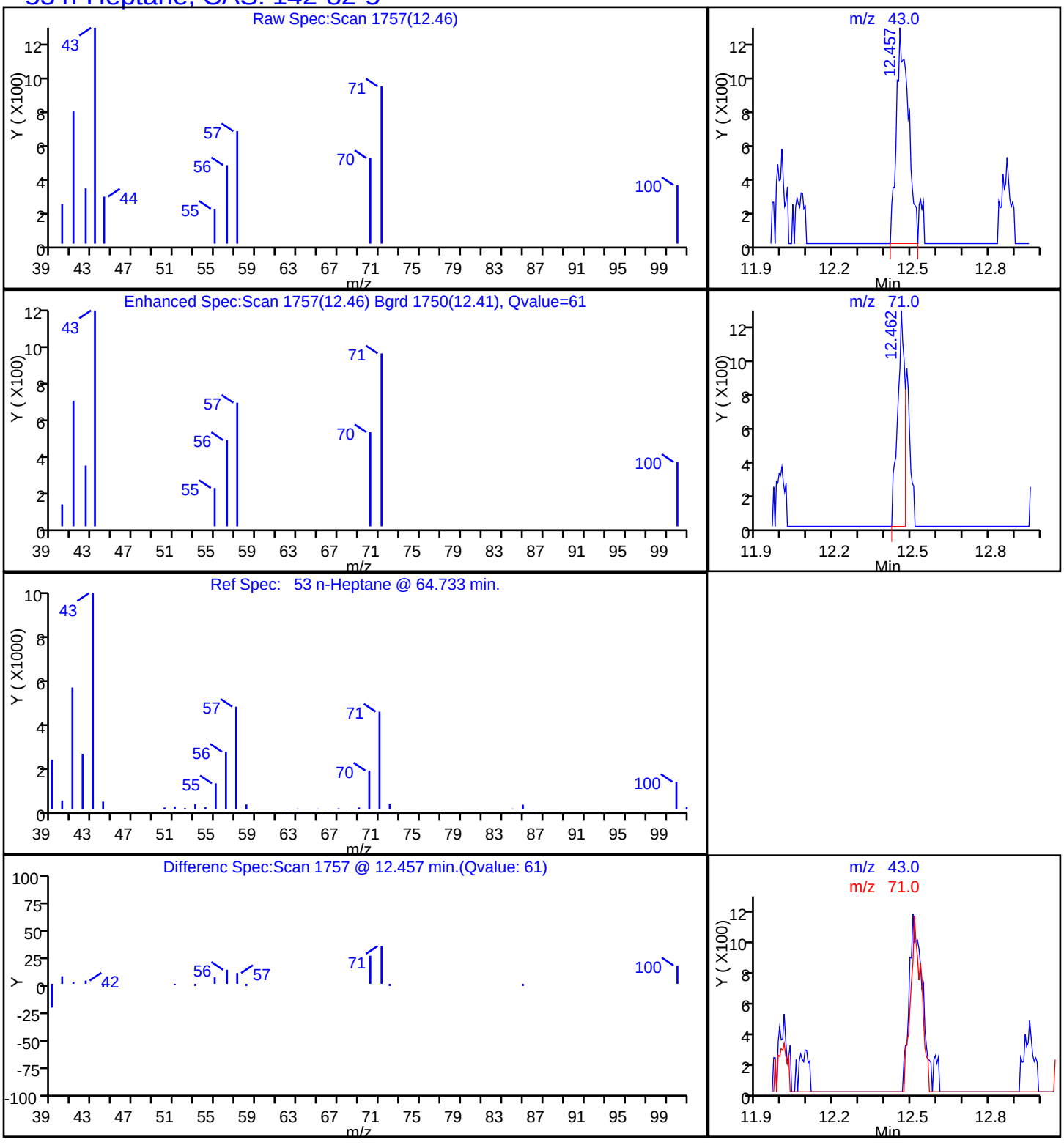


Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D				
Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5



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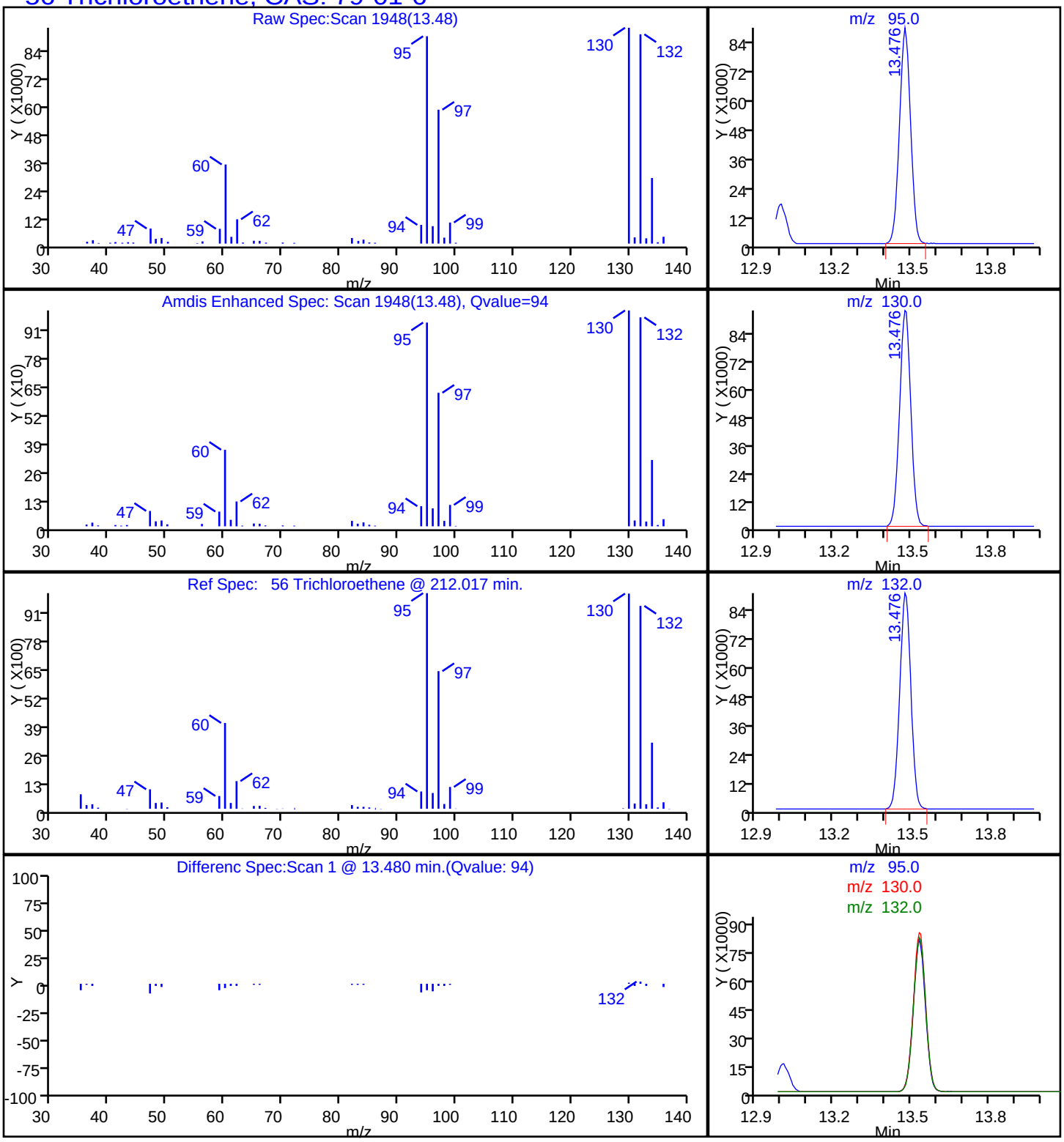
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



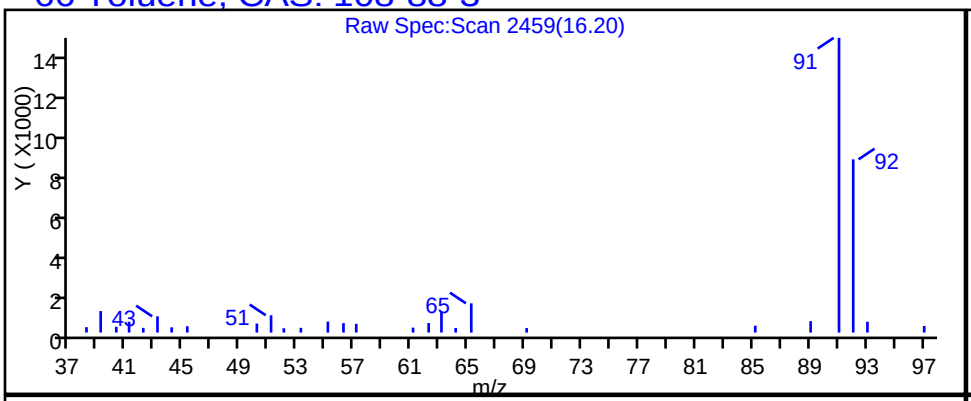
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

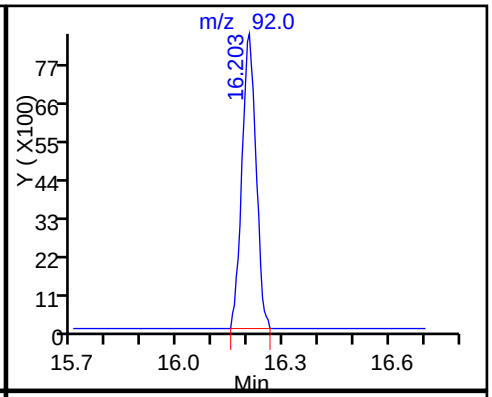
TestAmerica Burlington

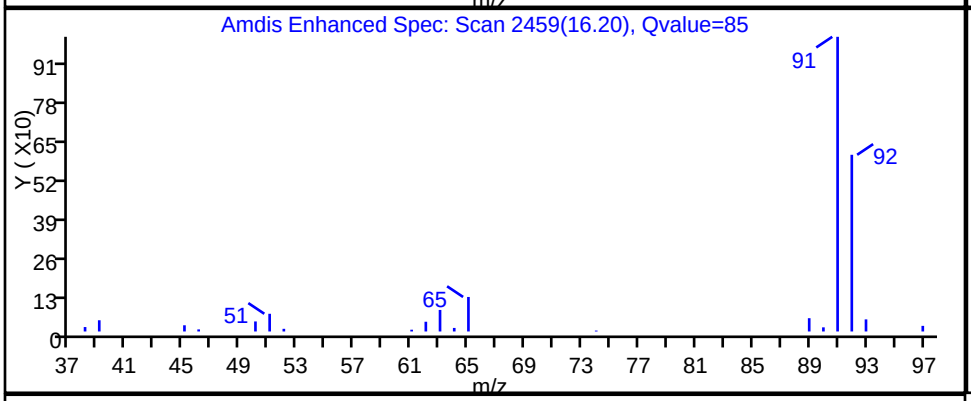
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

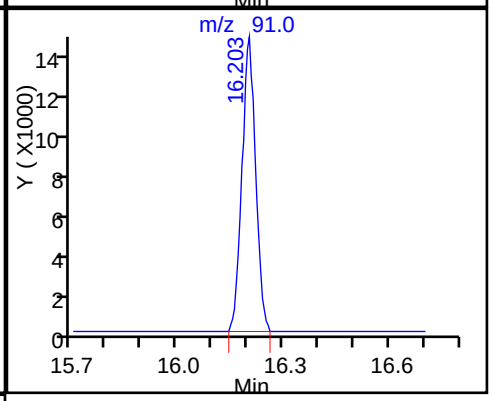
Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

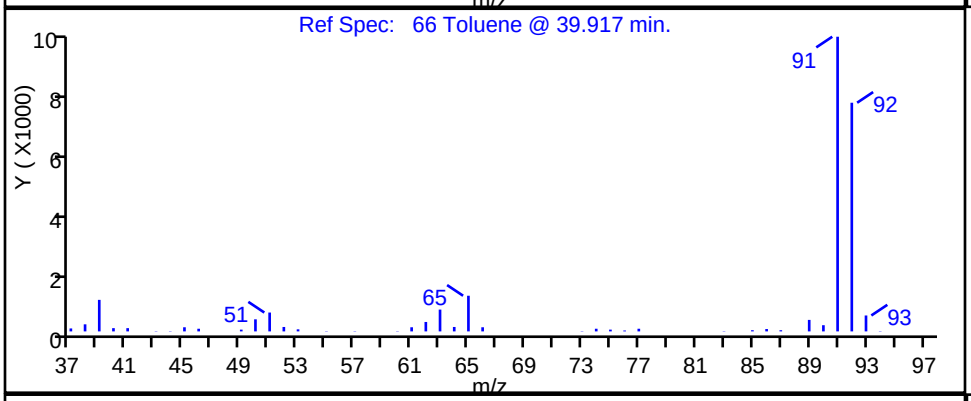
66 Toluene, CAS: 108-88-3

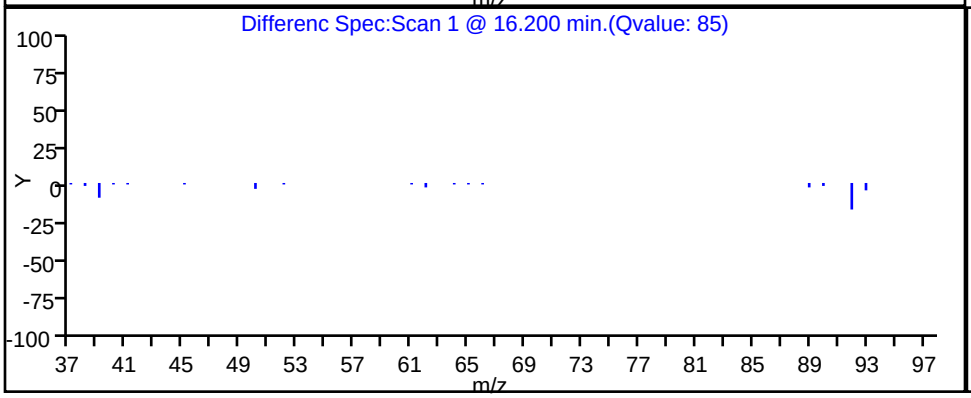


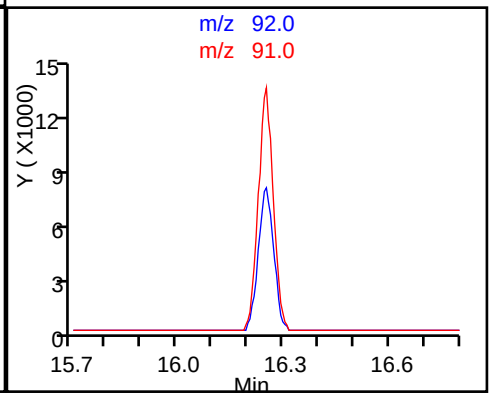












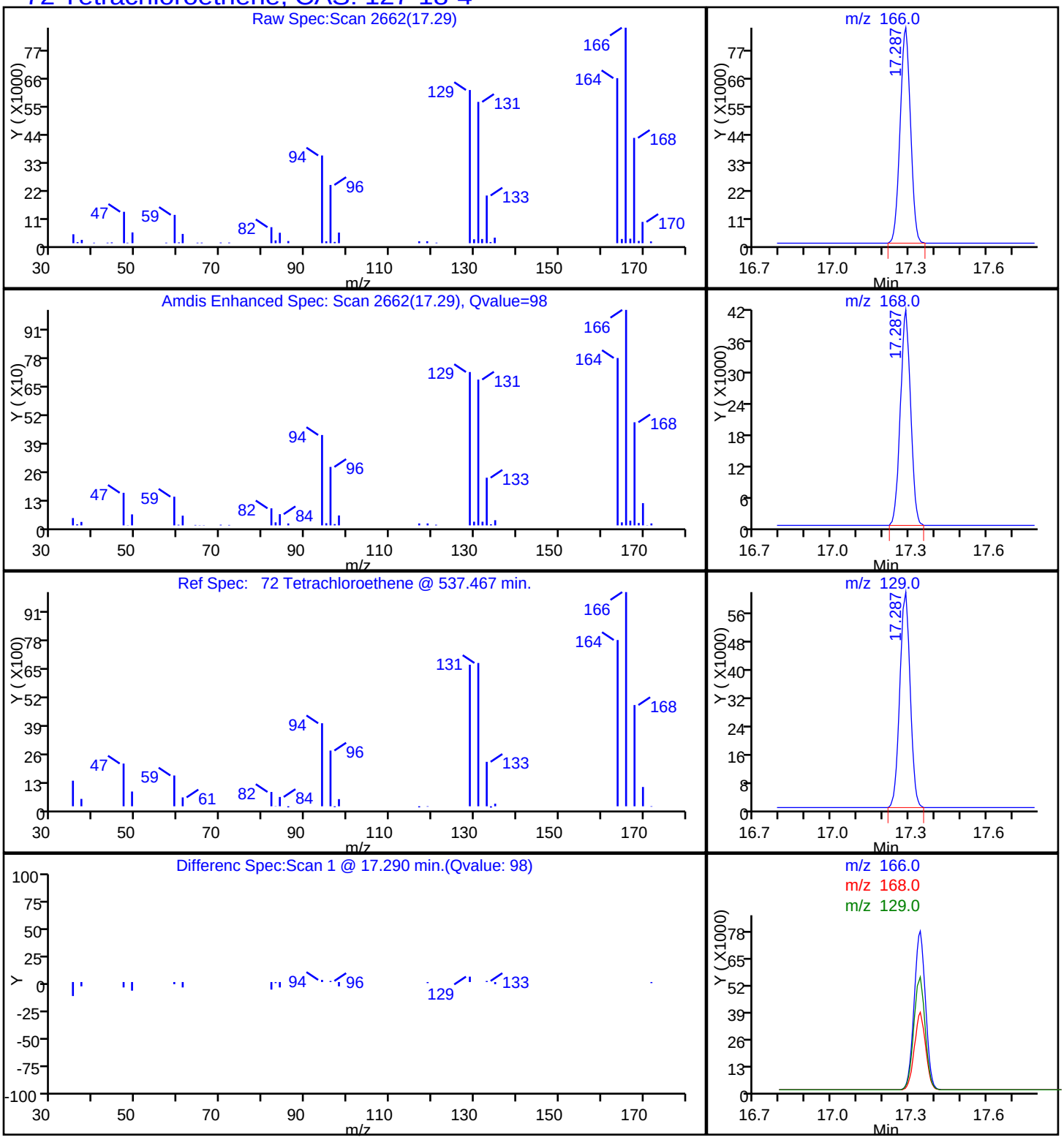
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



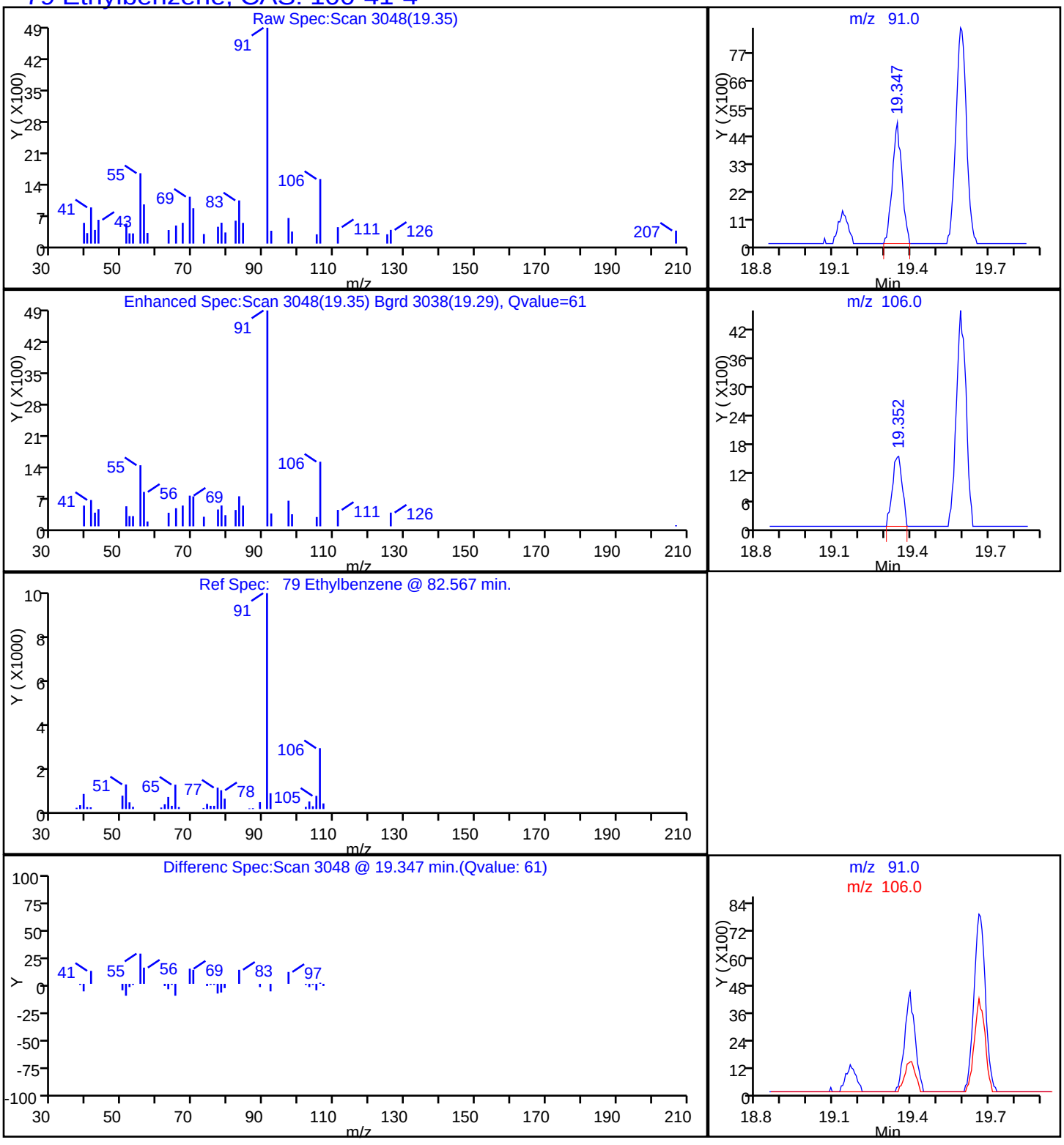
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

79 Ethylbenzene, CAS: 100-41-4

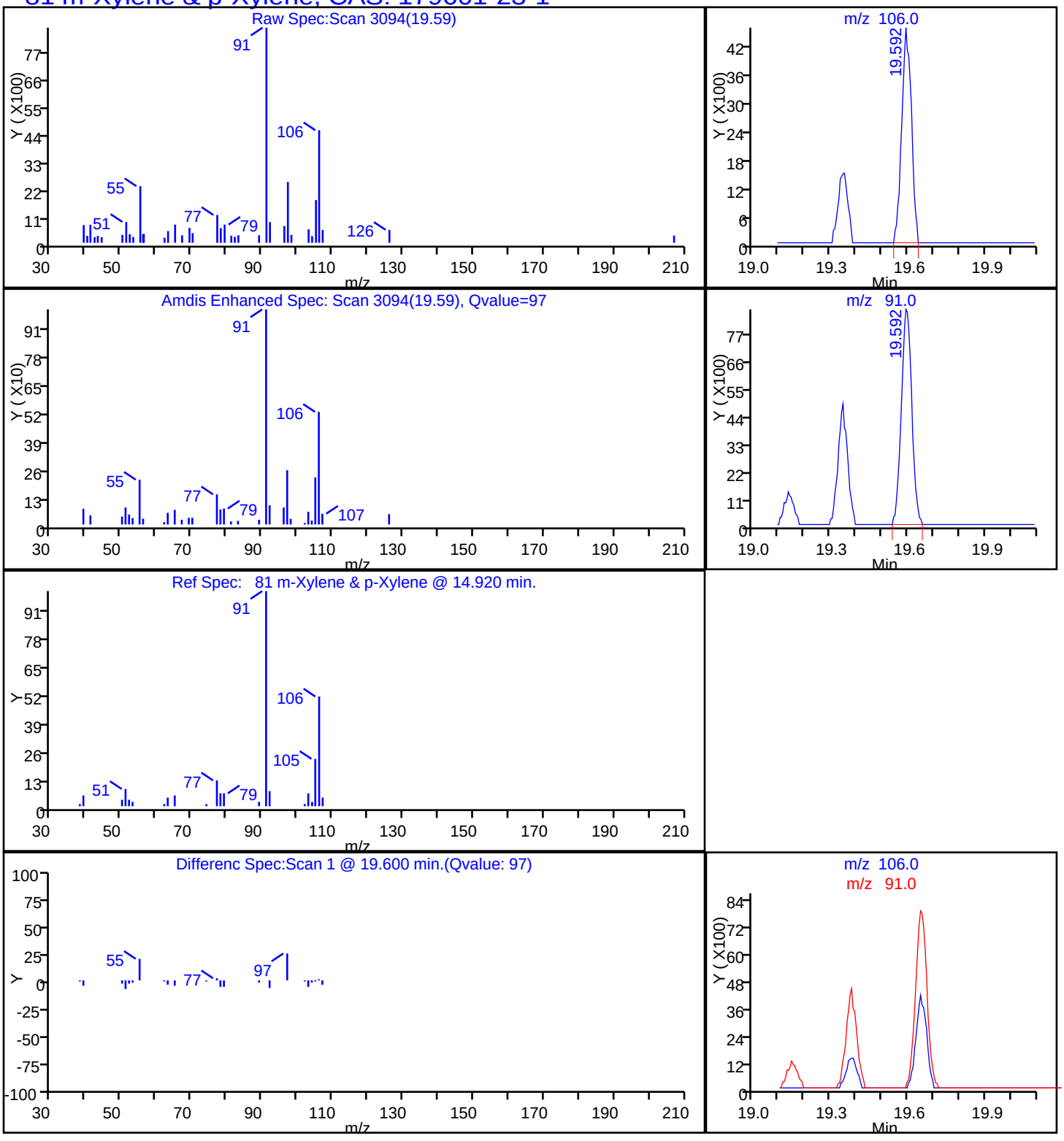


Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D				
Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1

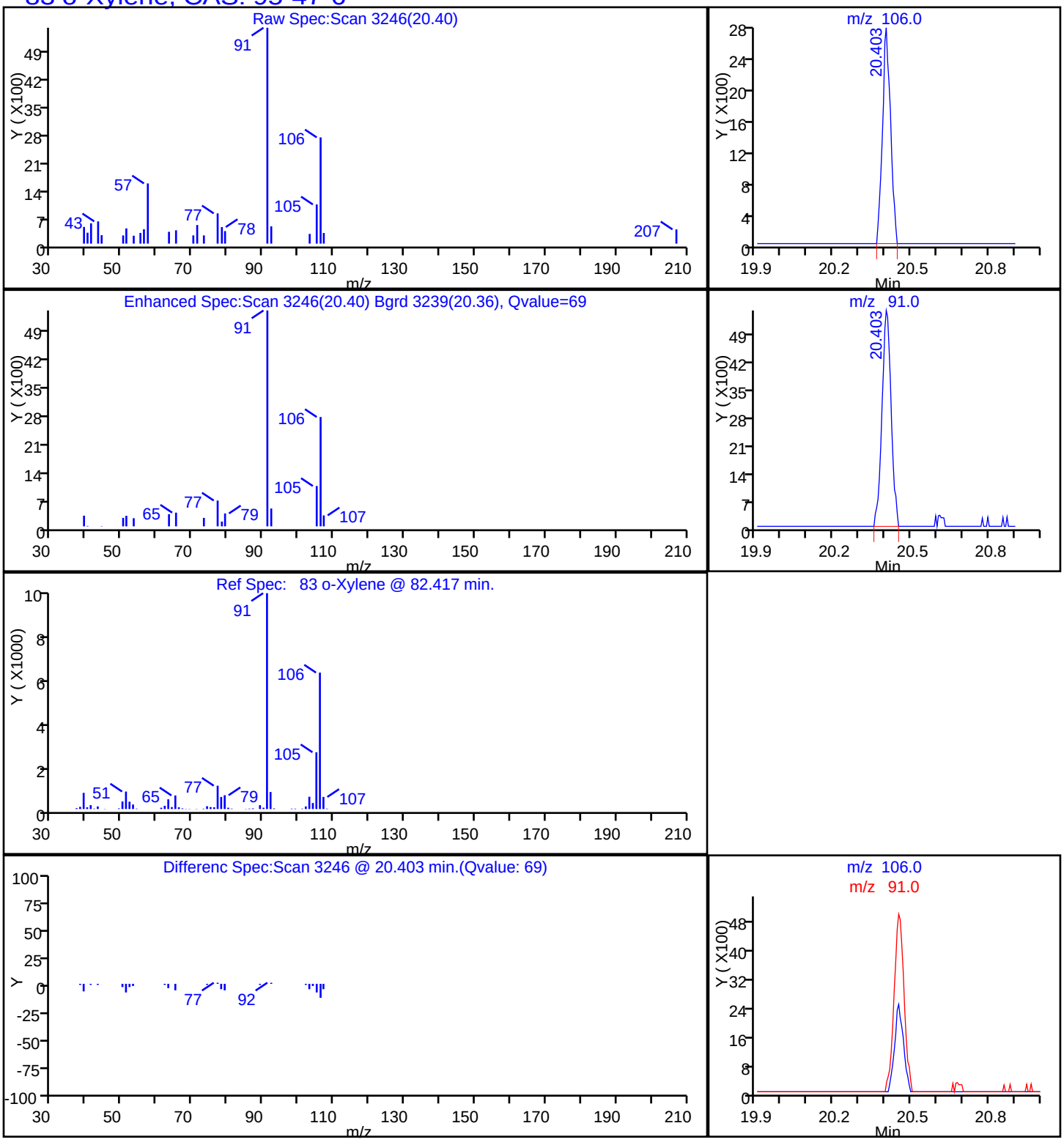


Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D				
Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



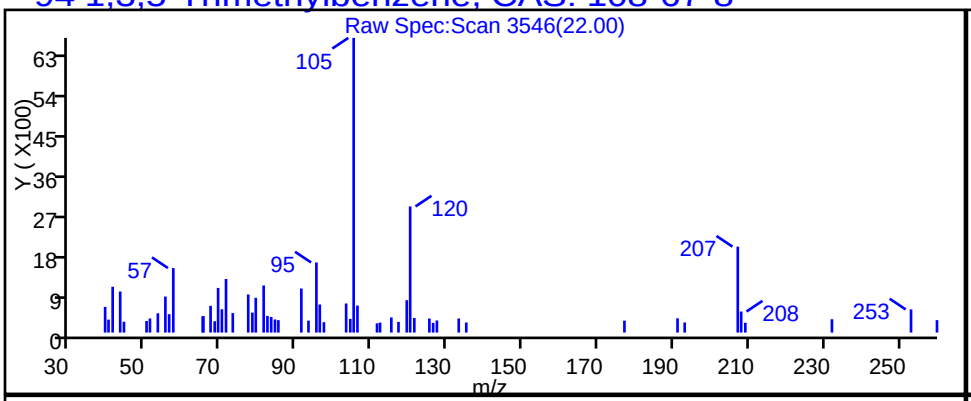
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

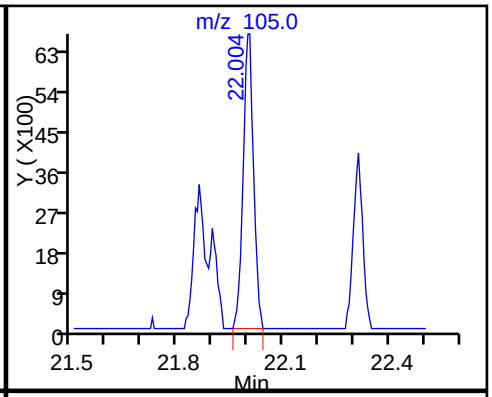
TestAmerica Burlington

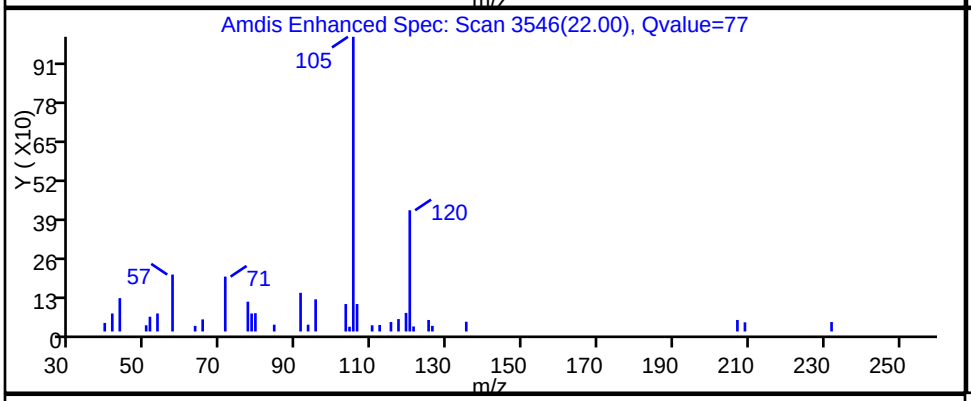
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D

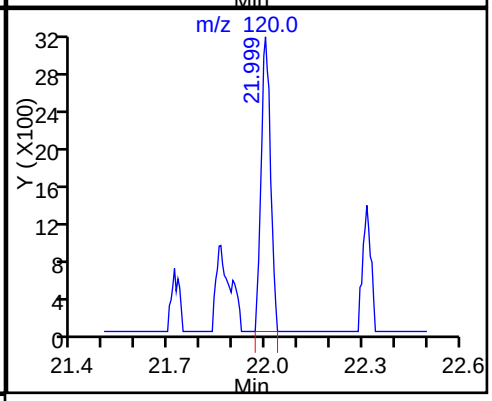
Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

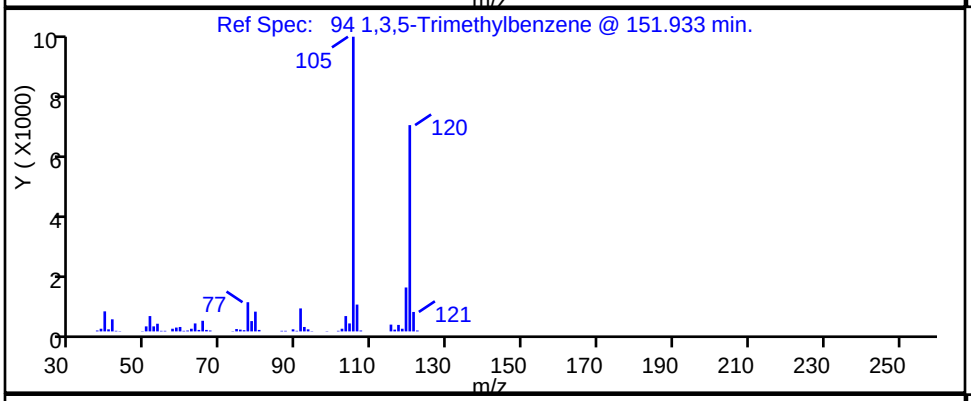
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

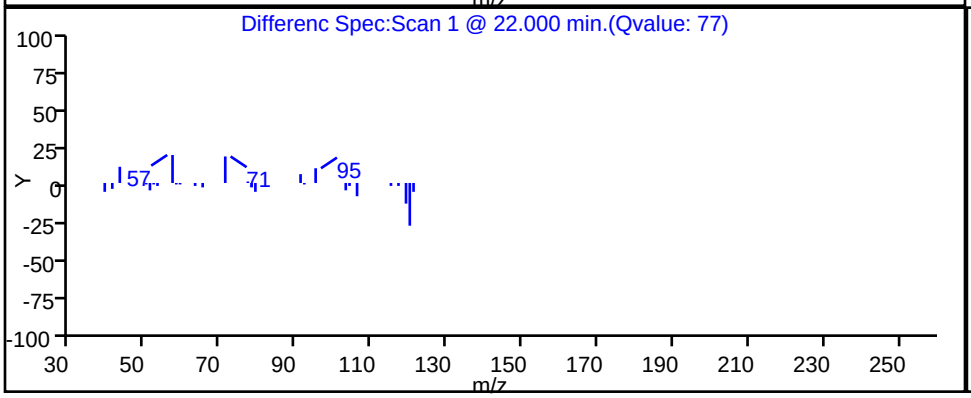


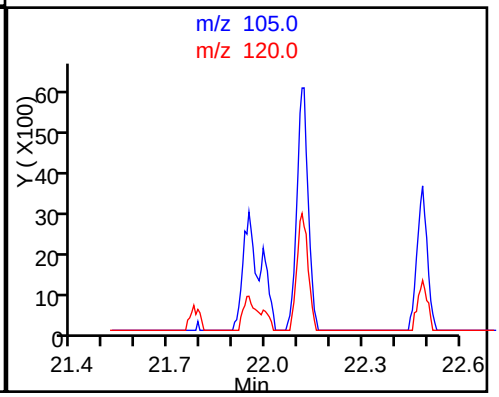










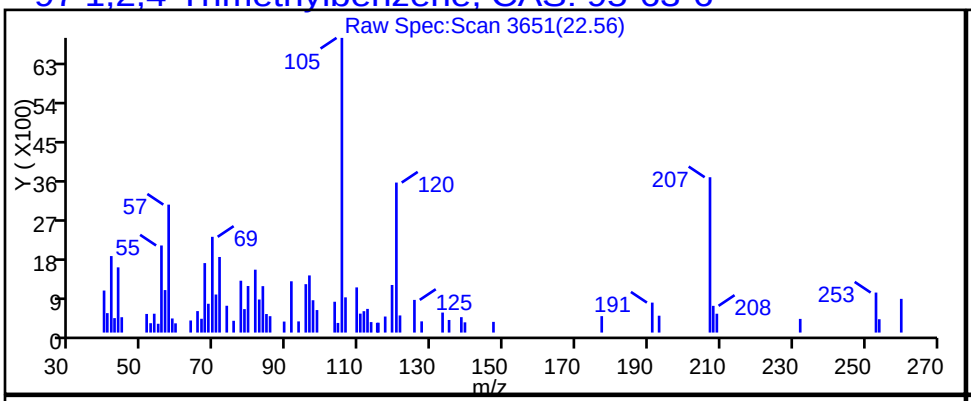


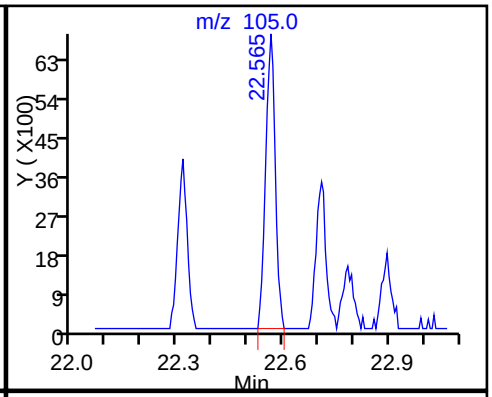
Report Date: 17-Feb-2014 15:10:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

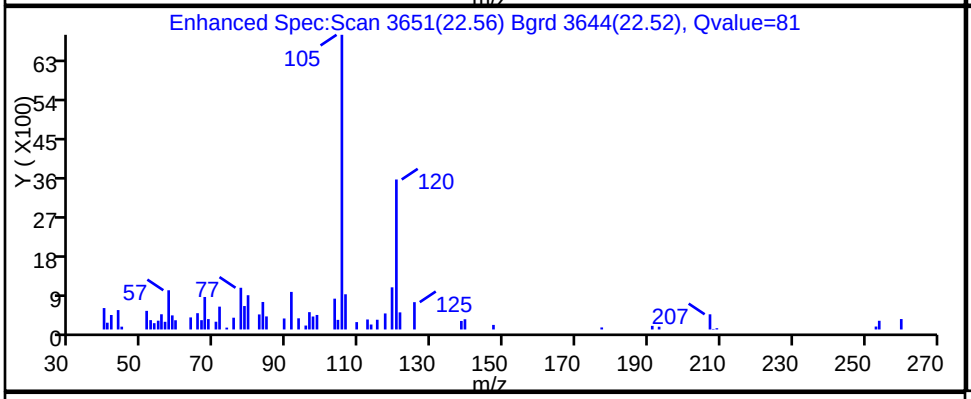
TestAmerica Burlington

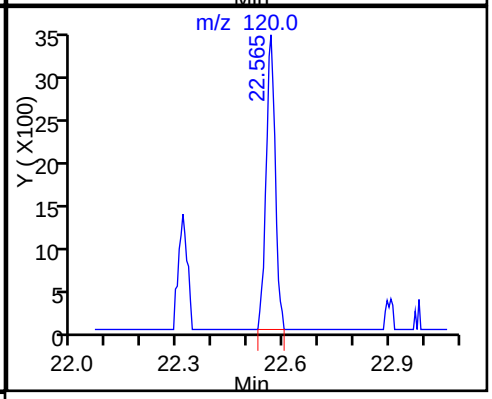
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_20.D				
Injection Date:	15-Feb-2014 08:34:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-3	Lab Sample ID:	200-20861-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

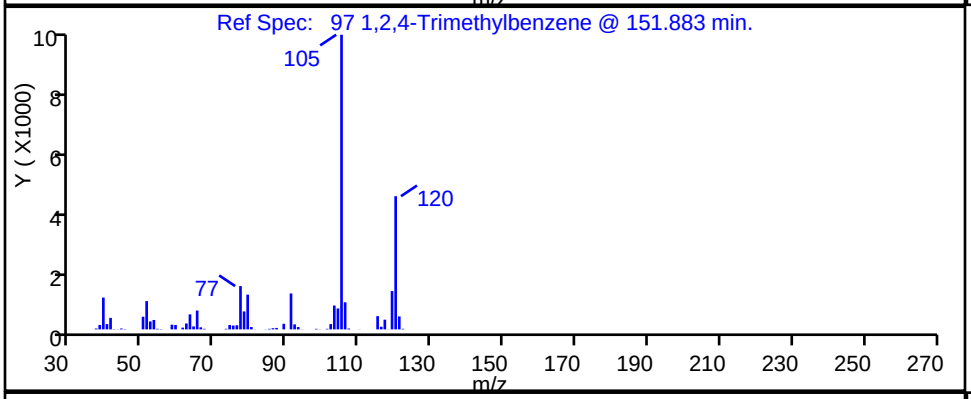
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

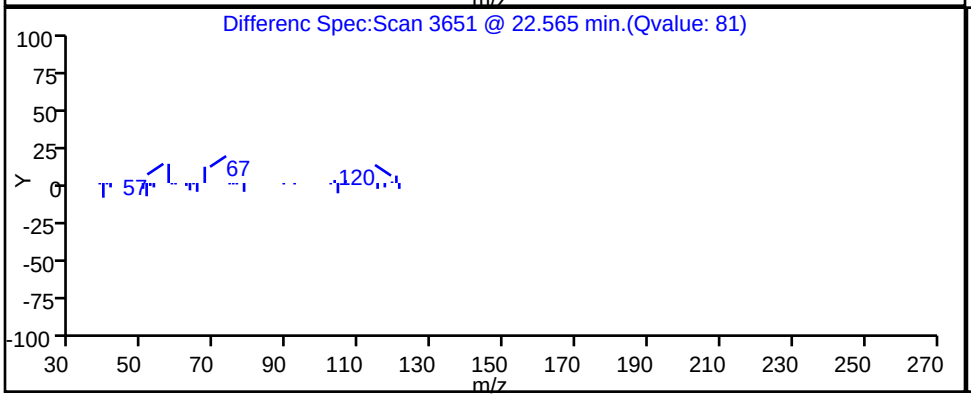


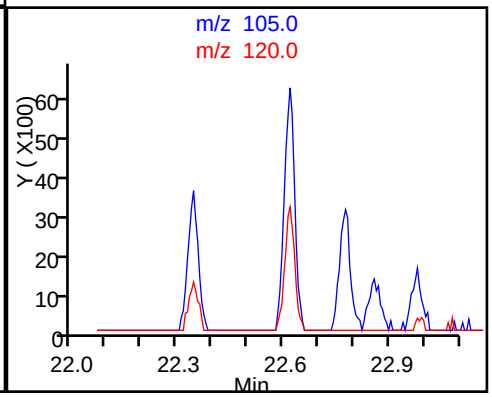












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-4 Lab Sample ID: 200-20861-4

Matrix: Air Lab File ID: 6163_21.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:57

Sample wt/vol: 200(mL) Date Analyzed: 02/15/2014 09:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.65		0.50	0.030
75-45-6	Freon 22	86.47	0.46	J	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.64		0.50	0.14
106-97-8	n-Butane	58.12	1.8		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.13	J	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.44		0.20	0.030
76-13-1	Freon 113	187.38	0.16	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	7.4		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	29		5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	5.4		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.10	J	0.20	0.029
110-54-3	Hexane	86.17	0.56		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.54		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.64		0.20	0.064
67-66-3	Chloroform	119.38	0.25		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	0.23	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.094		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.26		0.20	0.027
71-43-2	Benzene	78.11	0.27		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.32		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-4 Lab Sample ID: 200-20861-4

Matrix: Air Lab File ID: 6163_21.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:57

Sample wt/vol: 200(mL) Date Analyzed: 02/15/2014 09:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	3.0		0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.62		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	35		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.070	J	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.34		0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.41	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.68		0.20	0.016
1330-20-7	Xylene (total)	106.17	1.1		0.20	0.034
100-42-5	Styrene	104.15	0.16	J	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.11	J	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.14	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.51		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.22		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.22		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-4 Lab Sample ID: 200-20861-4

Matrix: Air Lab File ID: 6163_21.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:57

Sample wt/vol: 200(mL) Date Analyzed: 02/15/2014 09:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U *	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U ^ *	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-4 Lab Sample ID: 200-20861-4

Matrix: Air Lab File ID: 6163_21.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:57

Sample wt/vol: 200(mL) Date Analyzed: 02/15/2014 09:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	3.2		2.5	0.15
75-45-6	Freon 22	86.47	1.6	J	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.3		1.0	0.28
106-97-8	n-Butane	58.12	4.3		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.28	J	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	2.4		1.1	0.17
76-13-1	Freon 113	187.38	1.2	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	18		12	3.0
67-63-0	Isopropyl alcohol	60.10	72		12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	19		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.40	J	0.79	0.11
110-54-3	Hexane	86.17	2.0		0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	2.1		0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	2.5		0.79	0.25
67-66-3	Chloroform	119.38	1.2		0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.67	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.59		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	1.2		0.93	0.13
71-43-2	Benzene	78.11	0.87		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	1.3		0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-4 Lab Sample ID: 200-20861-4

Matrix: Air Lab File ID: 6163_21.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:57

Sample wt/vol: 200(mL) Date Analyzed: 02/15/2014 09:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	16		0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	2.3		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	240		1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.32	J	0.92	0.037
100-41-4	Ethylbenzene	106.17	1.5		0.87	0.056
179601-23-1	m,p-Xylene	106.17	1.8	J	2.2	0.10
95-47-6	Xylene, o-	106.17	2.9		0.87	0.069
1330-20-7	Xylene (total)	106.17	4.7		0.87	0.15
100-42-5	Styrene	104.15	0.67	J	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.52	J	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.70	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	2.5		0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	1.1		0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.2		1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-4 Lab Sample ID: 200-20861-4

Matrix: Air Lab File ID: 6163_21.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:57

Sample wt/vol: 200(mL) Date Analyzed: 02/15/2014 09:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U *	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U ^ *	2.6	1.0

Report Date: 17-Feb-2014 15:13:24 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D
Lims ID: 200-20861-A-4 Lab Sample ID: 200-20861-4
Client ID: SDS-4
Sample Type: Client
Inject. Date: 15-Feb-2014 09:26:30 ALS Bottle#: 19 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006163-021
Operator ID: pad Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Feb-2014 15:13:23 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desjardinsb Date: 17-Feb-2014 15:13:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.261	3.261	0.0	97	38636	0.6547	
6 Chlorodifluoromethane	51	3.325	3.325	0.0	71	8375	0.4614	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.555					
8 Chloromethane	50	3.709	3.704	0.005	76	5961	0.6381	
9 Butane	43	3.923	3.923	0.0	95	24295	1.82	
10 Vinyl chloride	62		3.976					
11 Butadiene	54	4.056	4.062	-0.006	64	1206	0.1277	
12 Bromomethane	94		4.798					
13 Chloroethane	64		5.065					
15 Vinyl bromide	106		5.476					
16 Trichlorofluoromethane	101	5.577	5.583	-0.006	87	30349	0.4360	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.725	6.725	0.0	74	7968	0.1557	
23 1,1-Dichloroethene	96		6.768					
25 Acetone	43	7.056	7.050	0.006	91	101700	7.42	
26 Carbon disulfide	76		7.157					
28 Isopropyl alcohol	45	7.376	7.371	0.005	98	295646	29.3	
29 3-Chloro-1-propene	41		7.600					
31 Methylene Chloride	49	7.910	7.910	0.0	70	64162	5.44	
32 2-Methyl-2-propanol	59		8.177					
33 Methyl tert-butyl ether	73		8.331					
34 trans-1,2-Dichloroethene	61	8.358	8.358	0.0	21	2283	0.1001	
36 Hexane	57	8.742	8.748	-0.006	79	12712	0.5586	
37 1,1-Dichloroethane	63	9.270	9.276	-0.006	1	1181	0.0366	
S 39 1,2-Dichloroethene, Total	61				0		0.6416	
40 cis-1,2-Dichloroethene	96	10.439	10.439	0.0	74	18018	0.5416	
41 2-Butanone (MEK)	72		10.519					
* 43 Chlorobromomethane	128	10.925	10.930	-0.005	65	350686	10.0	
44 Tetrahydrofuran	42	10.962	10.946	0.016	58	2640	0.2288	
45 Chloroform	83	11.069	11.069	0.0	58	15173	0.2455	
46 Cyclohexane	84	11.293	11.293	-0.011	53	8120	0.2008	M
47 1,1,1-Trichloroethane	97		11.347					
49 Carbon tetrachloride	117	11.597	11.597	0.0	70	6583	0.0938	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v		Flags
	50	Isooctane		57	12.056	12.062	-0.006	90	27108	0.2560	
	51	Benzene		78	12.099	12.104	-0.005	73	25362	0.2727	
	52	1,2-Dichloroethane		62		12.307					
	53	n-Heptane		43	12.467	12.473	-0.006	67	9532	0.3152	
*	54	1,4-Difluorobenzene		114	12.996	13.001	-0.005	92	1791009	10.0	
	56	Trichloroethene		95	13.476	13.481	-0.005	97	144861	3.02	
	58	1,2-Dichloropropane		63		14.079					
	59	Methyl methacrylate		69		14.261					
	60	1,4-Dioxane		88		14.330					
	62	Dichlorobromomethane		83		14.650					
	64	cis-1,3-Dichloropropene		75		15.611					
	65	4-Methyl-2-pentanone (MIBK)		43		15.920					
	66	Toluene		92	16.198	16.209	-0.011	90	51499	0.6172	
	70	trans-1,3-Dichloropropene		75		16.822					
	71	1,1,2-Trichloroethane		83		17.201					
	72	Tetrachloroethene		166	17.286	17.287	-0.001	97	2562685	35.2	
	73	2-Hexanone		43		17.660					
	74	Chlorodibromomethane		129		17.970					
	75	Ethylene Dibromide		107		18.247					
*	76	Chlorobenzene-d5		117	19.138	19.144	-0.006	83	1693946	10.0	
	77	Chlorobenzene		112	19.197	19.203	-0.006	66	8269	0.0701	
	79	Ethylbenzene		91	19.347	19.352	-0.006	94	60580	0.3384	
	81	m-Xylene & p-Xylene		106	19.597	19.603	-0.006	99	30553	0.4097	
S	82	Xylenes, Total		106				0		1.09	
	83	o-Xylene		106	20.403	20.409	-0.006	89	49531	0.6789	
	84	Styrene		104	20.451	20.457	-0.006	74	17764	0.1581	
	85	Bromoform		173		20.857					
$	87	4-Bromofluorobenzene		95	21.391	21.396	-0.005	93	1259035	NC	
	88	1,1,2,2-Tetrachloroethane		83		21.663					
	89	N-Propylbenzene		91	21.716	21.722	-0.006	94	25735	0.1063	
	92	4-Ethyltoluene		105	21.903	21.903	0.0	86	29751	0.1414	
	93	2-Chlorotoluene		91		21.919					
	94	1,3,5-Trimethylbenzene		105	21.999	22.004	-0.005	92	89684	0.5120	
	96	tert-Butylbenzene		119		22.474					
	97	1,2,4-Trimethylbenzene		105	22.565	22.565	0.0	95	38161	0.2187	
	98	sec-Butylbenzene		105		22.789					
	99	4-Isopropyltoluene		119	22.981	22.986	-0.005	85	49697	0.2237	
	100	1,3-Dichlorobenzene		146		23.024					
	101	1,4-Dichlorobenzene		146		23.163					
	102	Benzyl chloride		91		23.371					
	103	n-Butylbenzene		91		23.573					
	105	1,2-Dichlorobenzene		146		23.718					
	107	1,2,4-Trichlorobenzene		180		26.349					
	108	Hexachlorobutadiene		225		26.541					
	109	Naphthalene		128		26.877					

QC Flag Legend

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

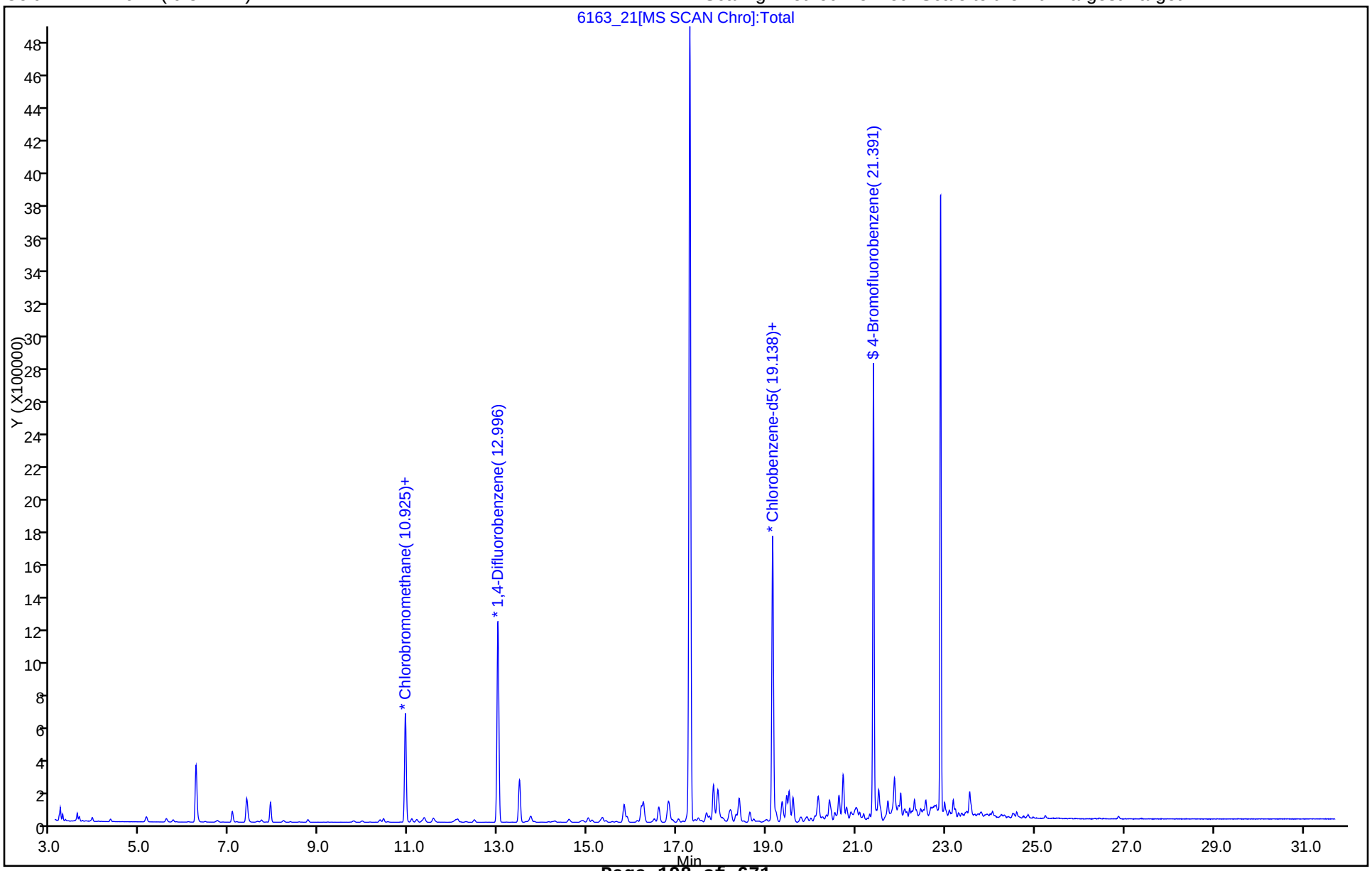
Report Date: 17-Feb-2014 15:13:24 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4	Worklist Smp#:	21
Client ID:	SDS-4				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



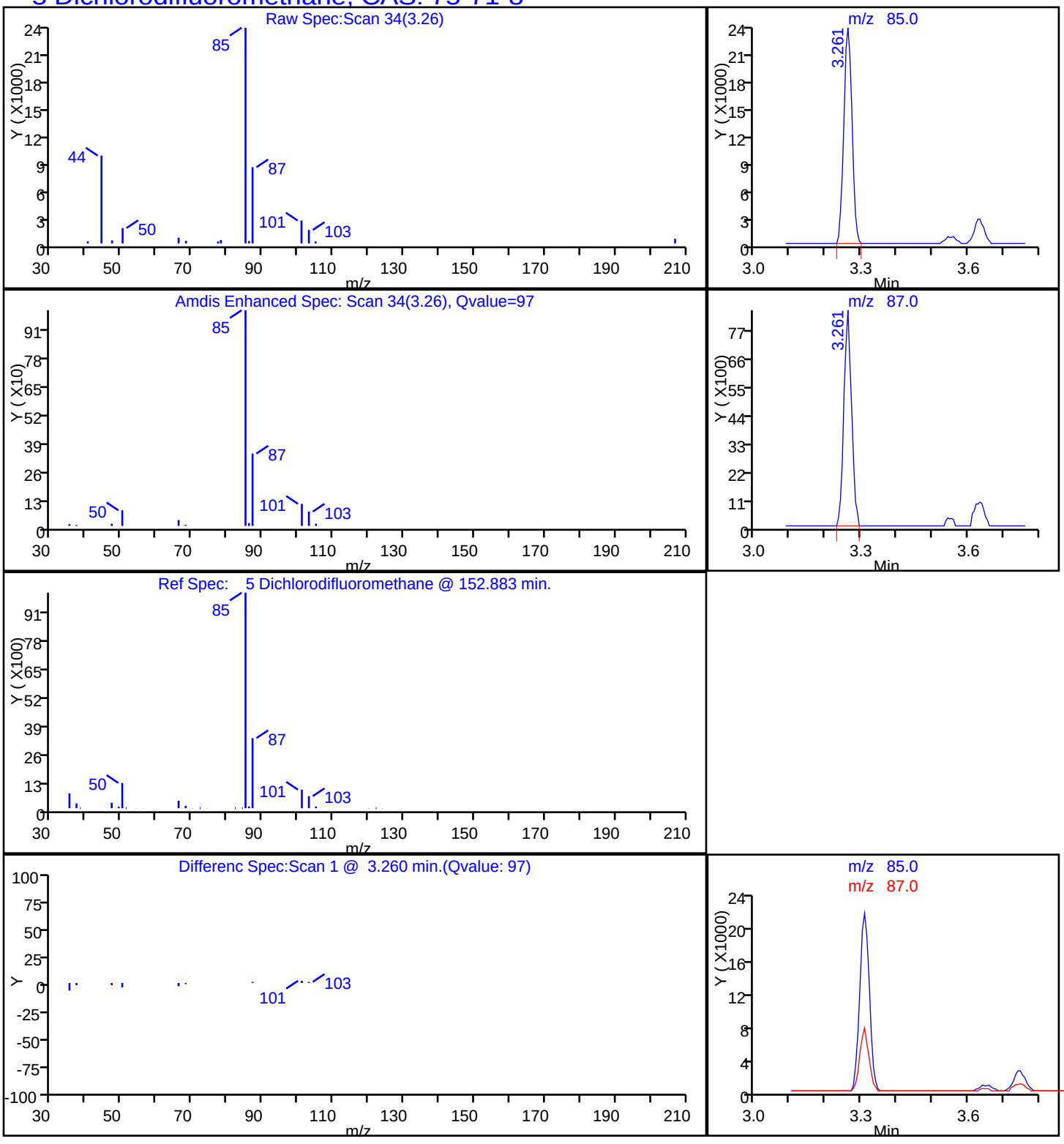
Report Date: 17-Feb-2014 15:13:24 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Dichlorodifluoromethane, CAS: 75-71-8



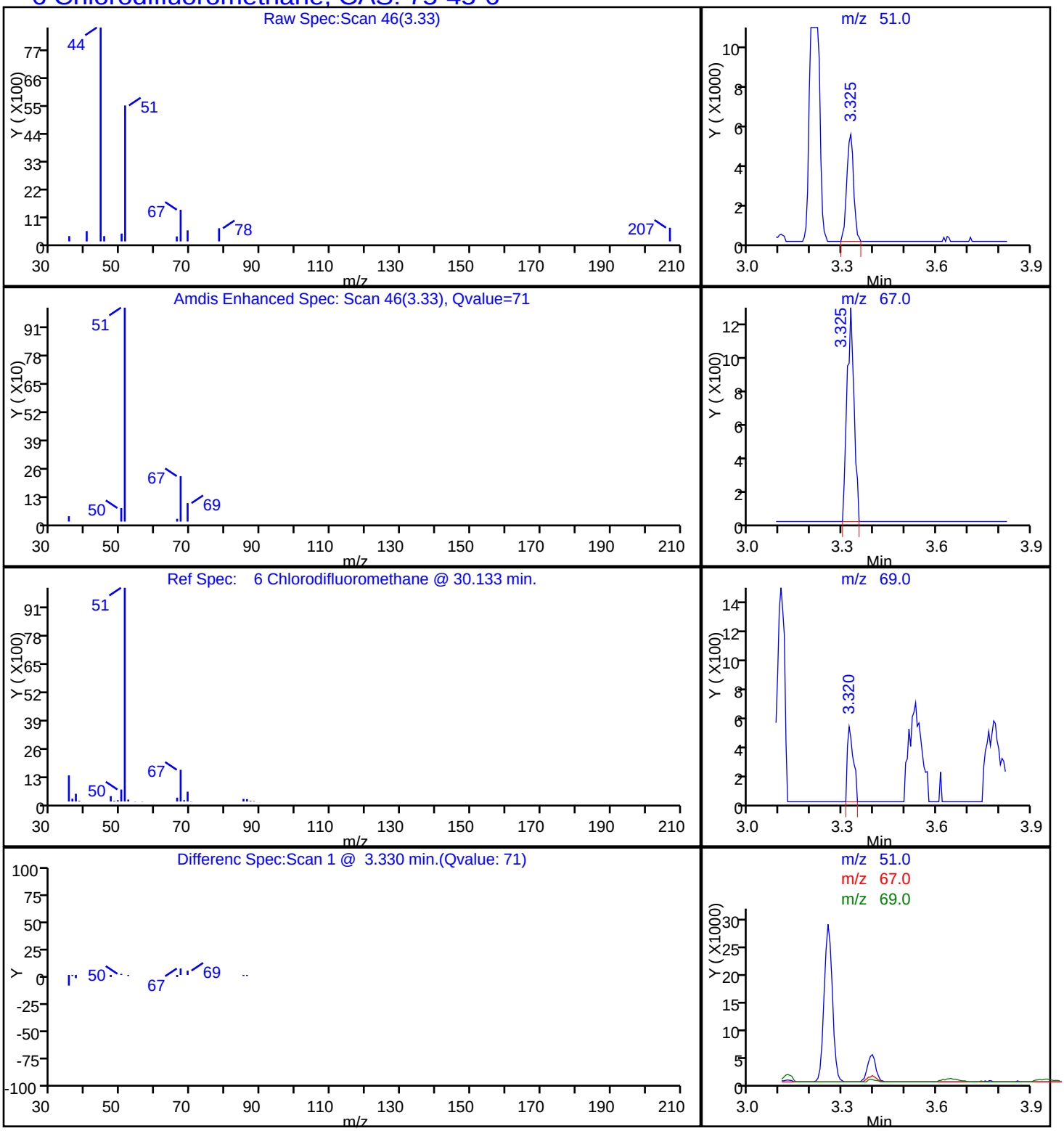
Report Date: 17-Feb-2014 15:13:24 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



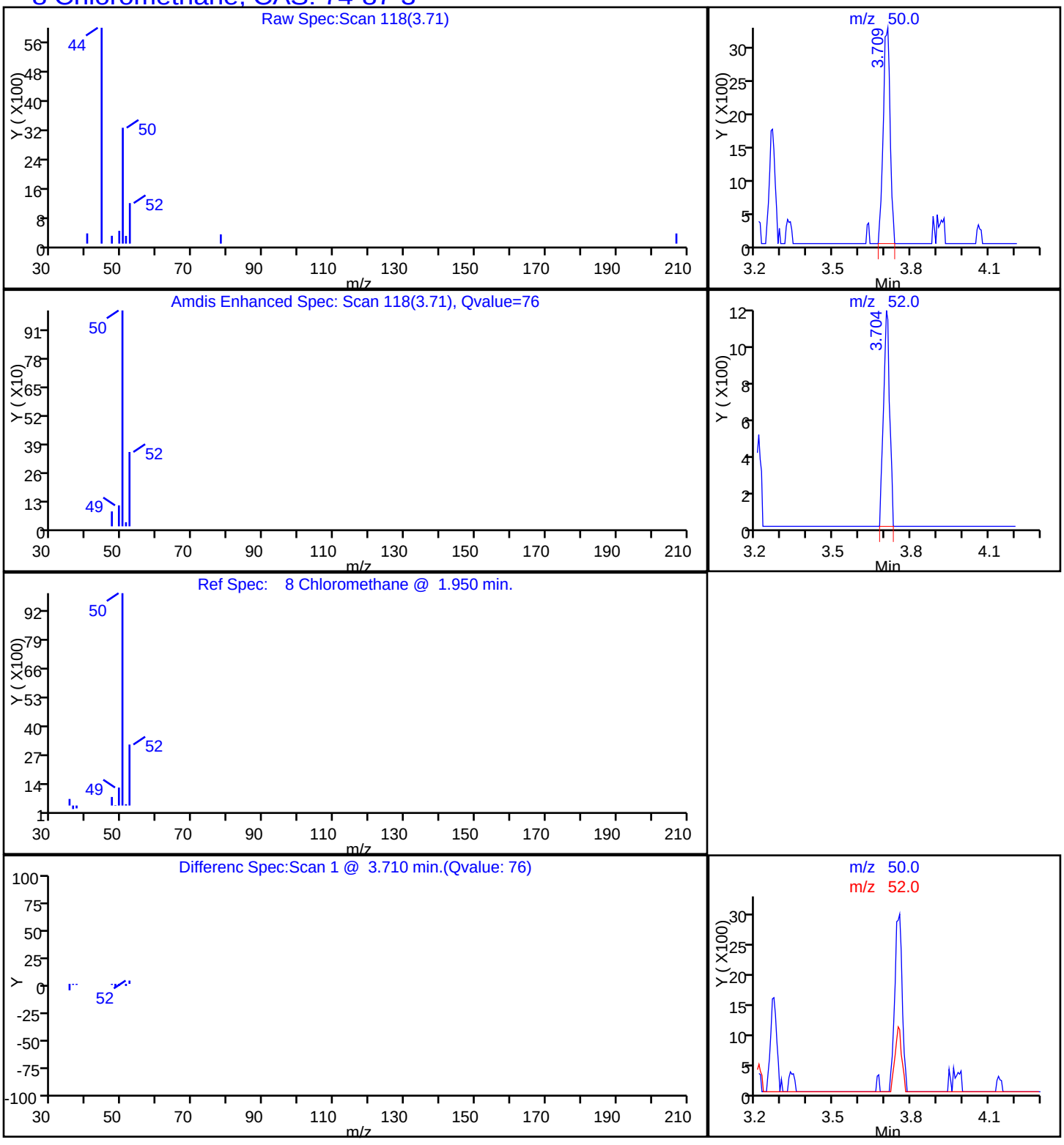
Report Date: 17-Feb-2014 15:13:24 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3



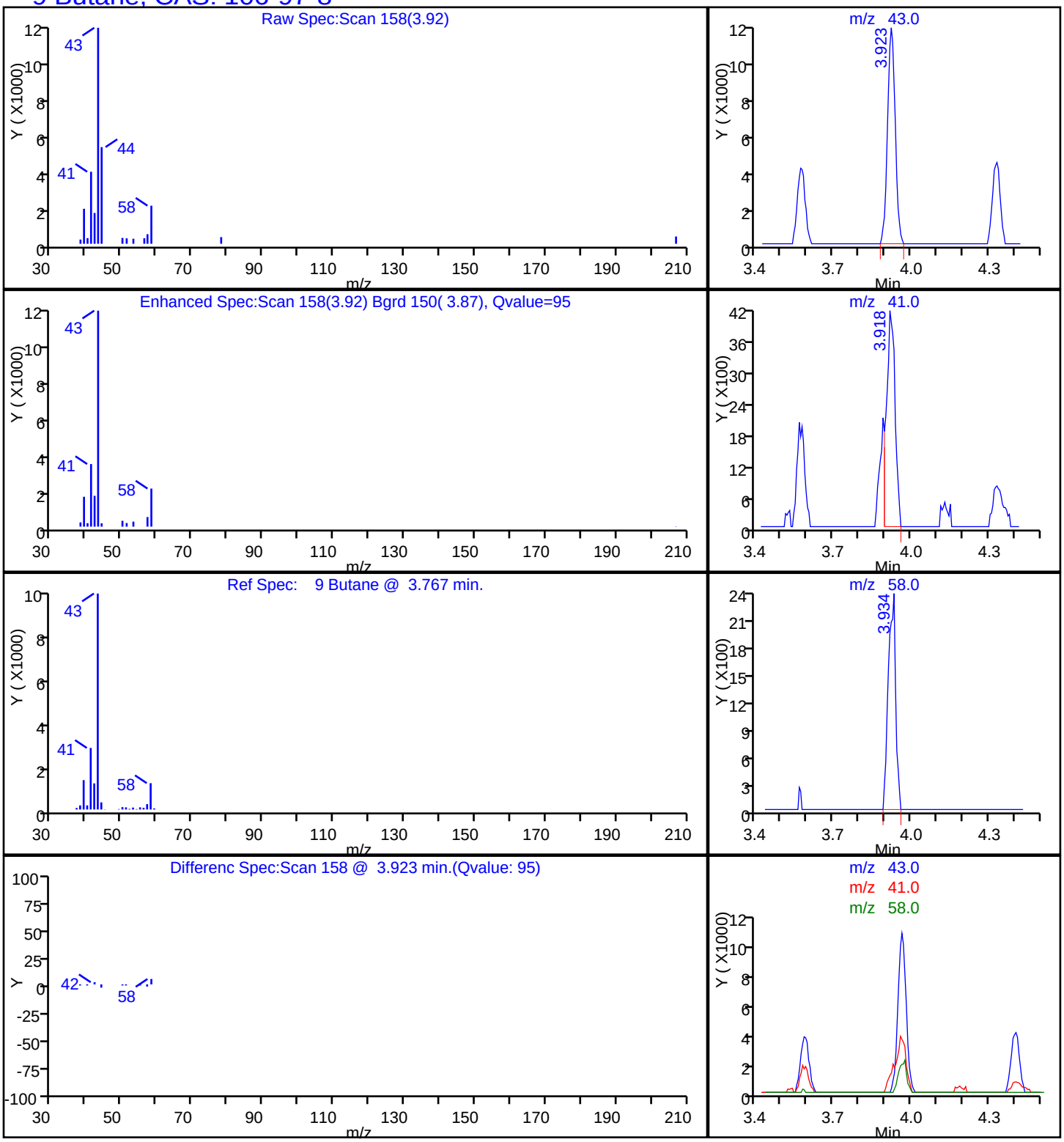
Report Date: 17-Feb-2014 15:13:24 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



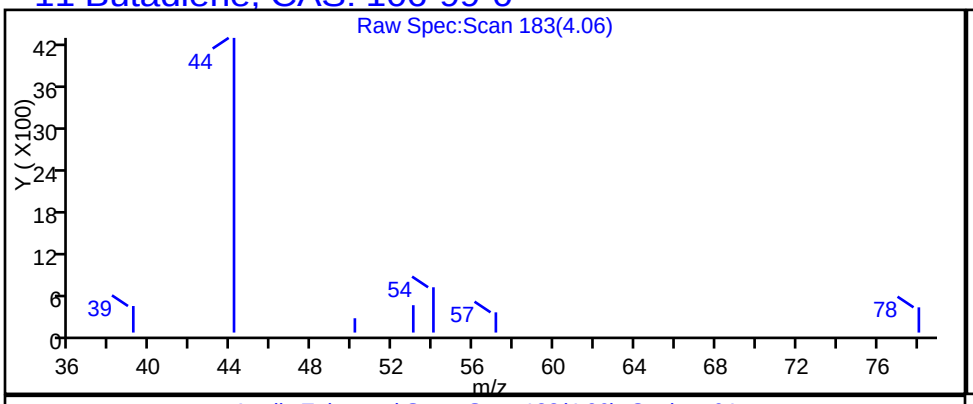
Report Date: 17-Feb-2014 15:13:24 Chrom Revision: 2.1 15-Jan-2014 14:06:26

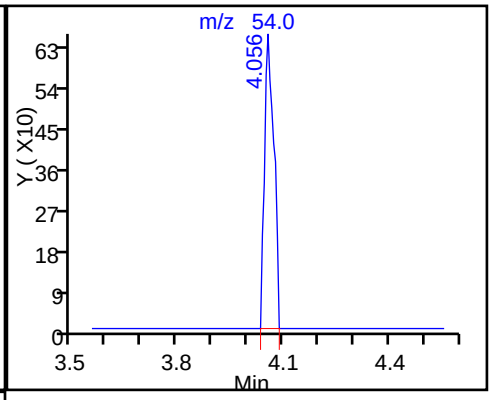
TestAmerica Burlington

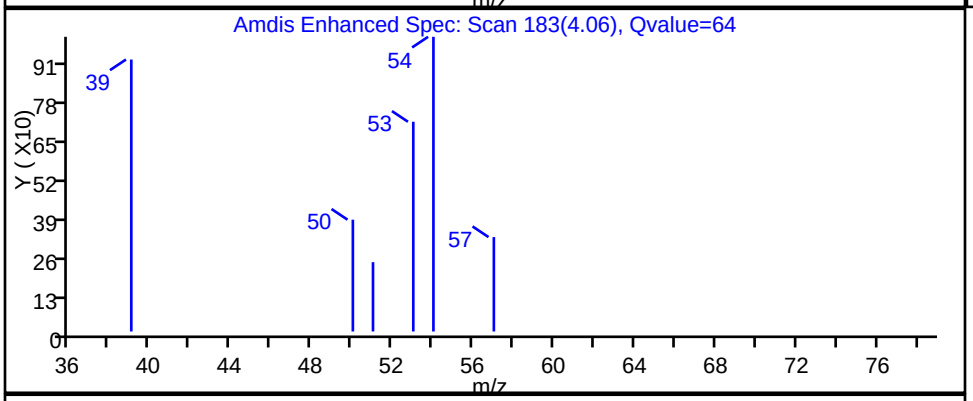
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

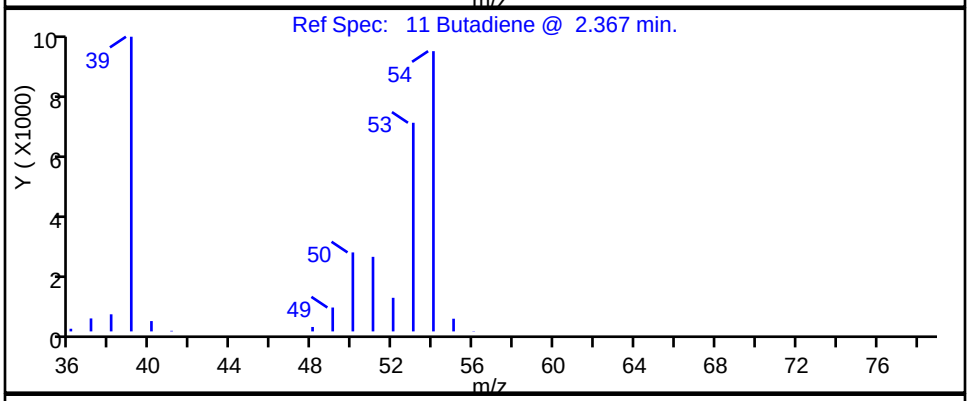
Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

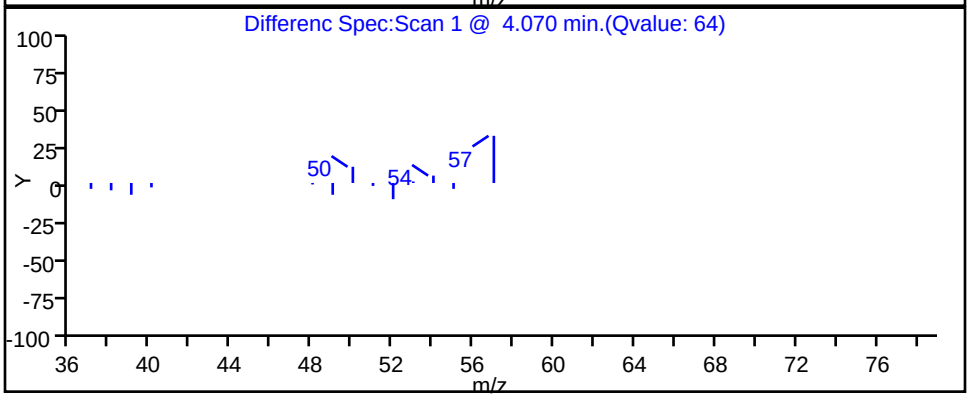
11 Butadiene, CAS: 106-99-0











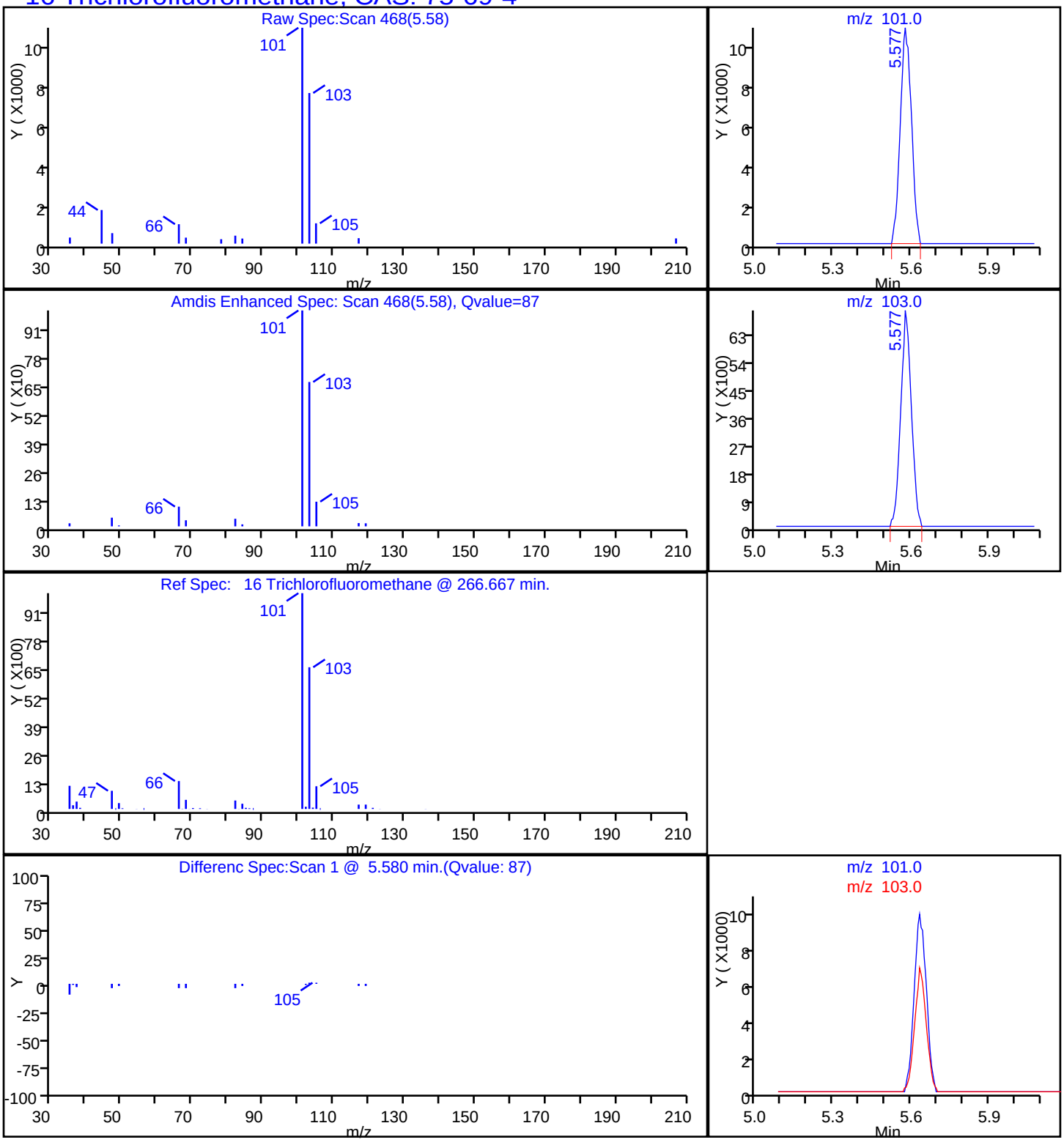
Report Date: 17-Feb-2014 15:13:24 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

16 Trichlorofluoromethane, CAS: 75-69-4



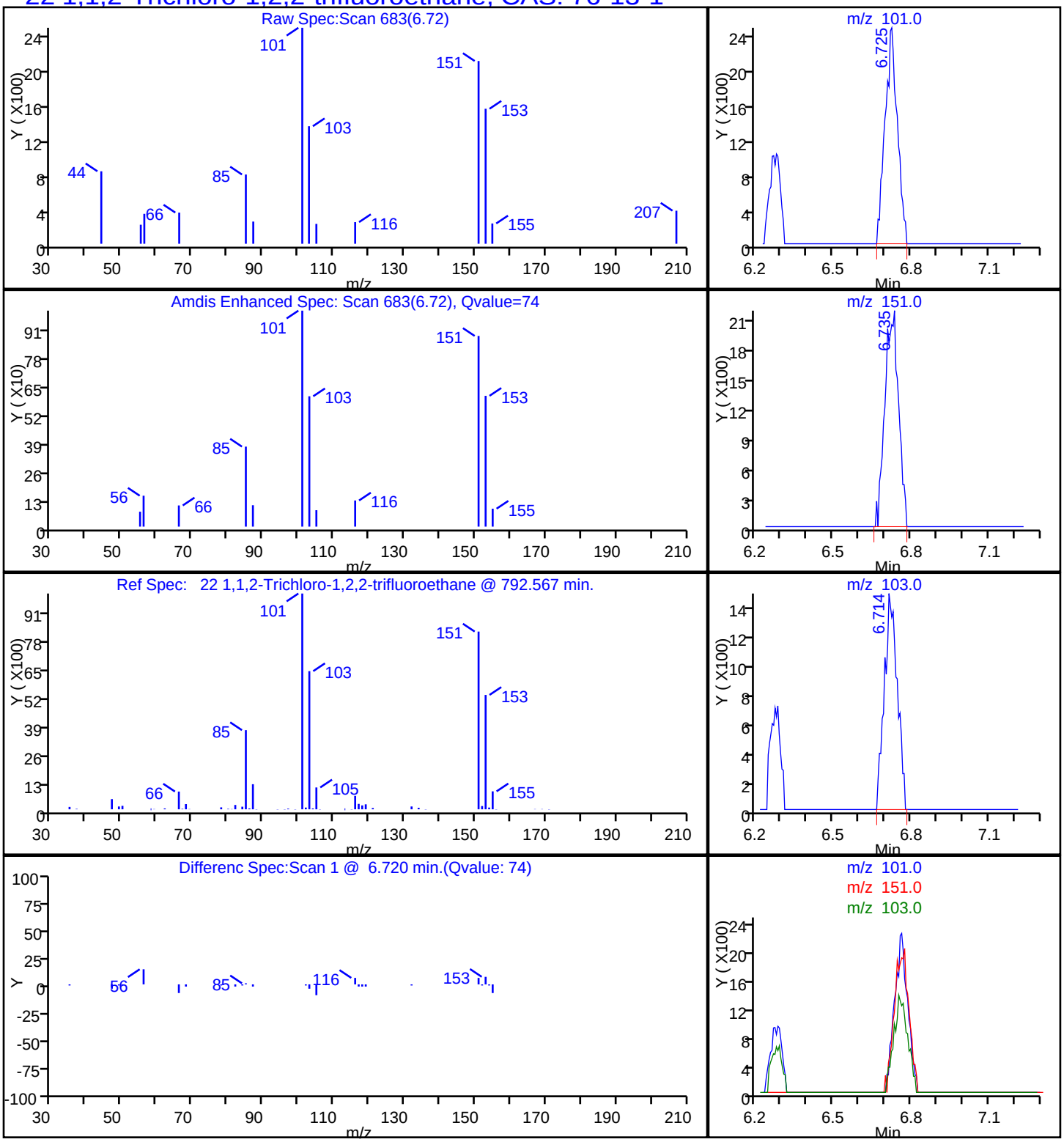
Report Date: 17-Feb-2014 15:13:24 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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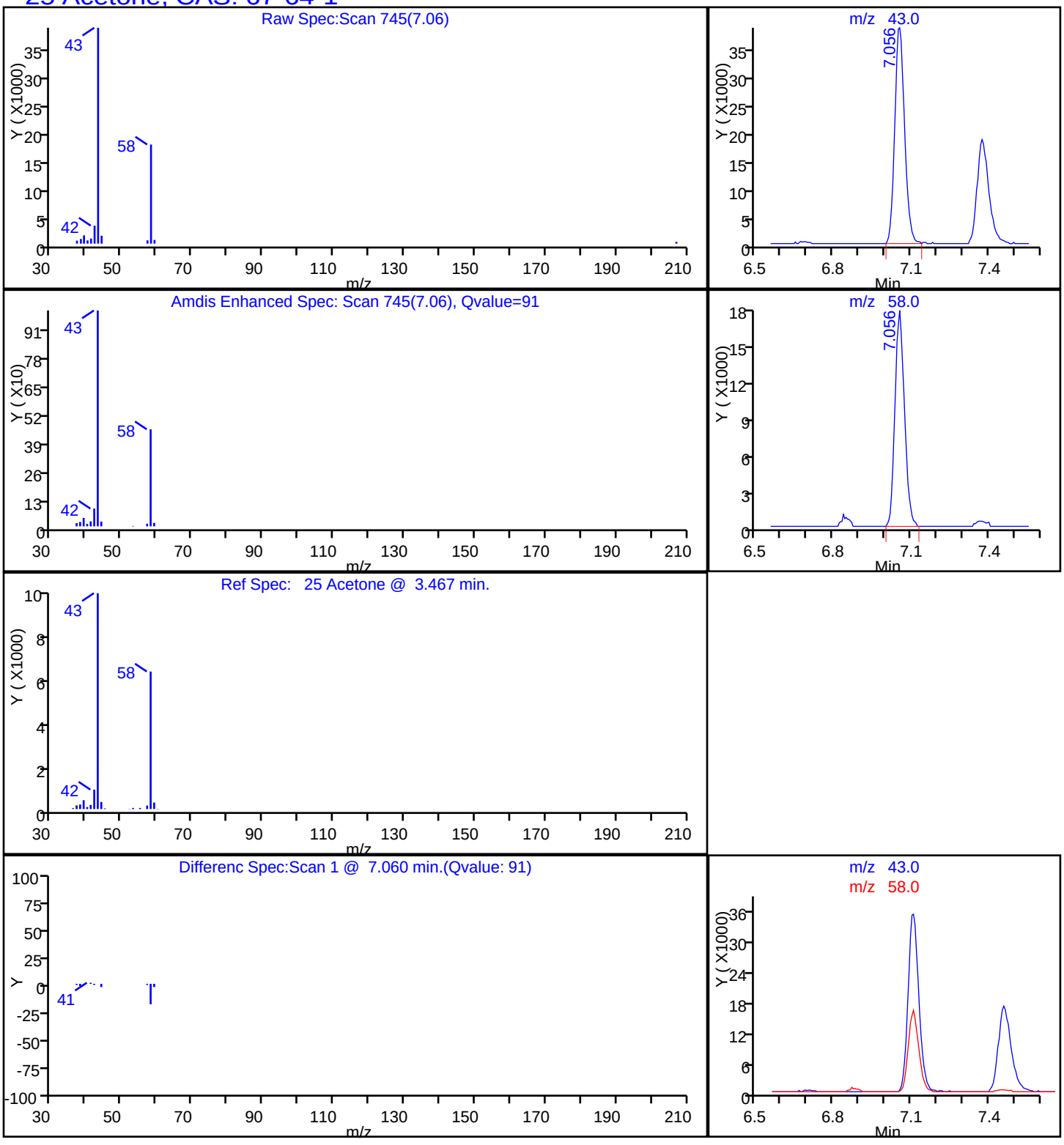
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



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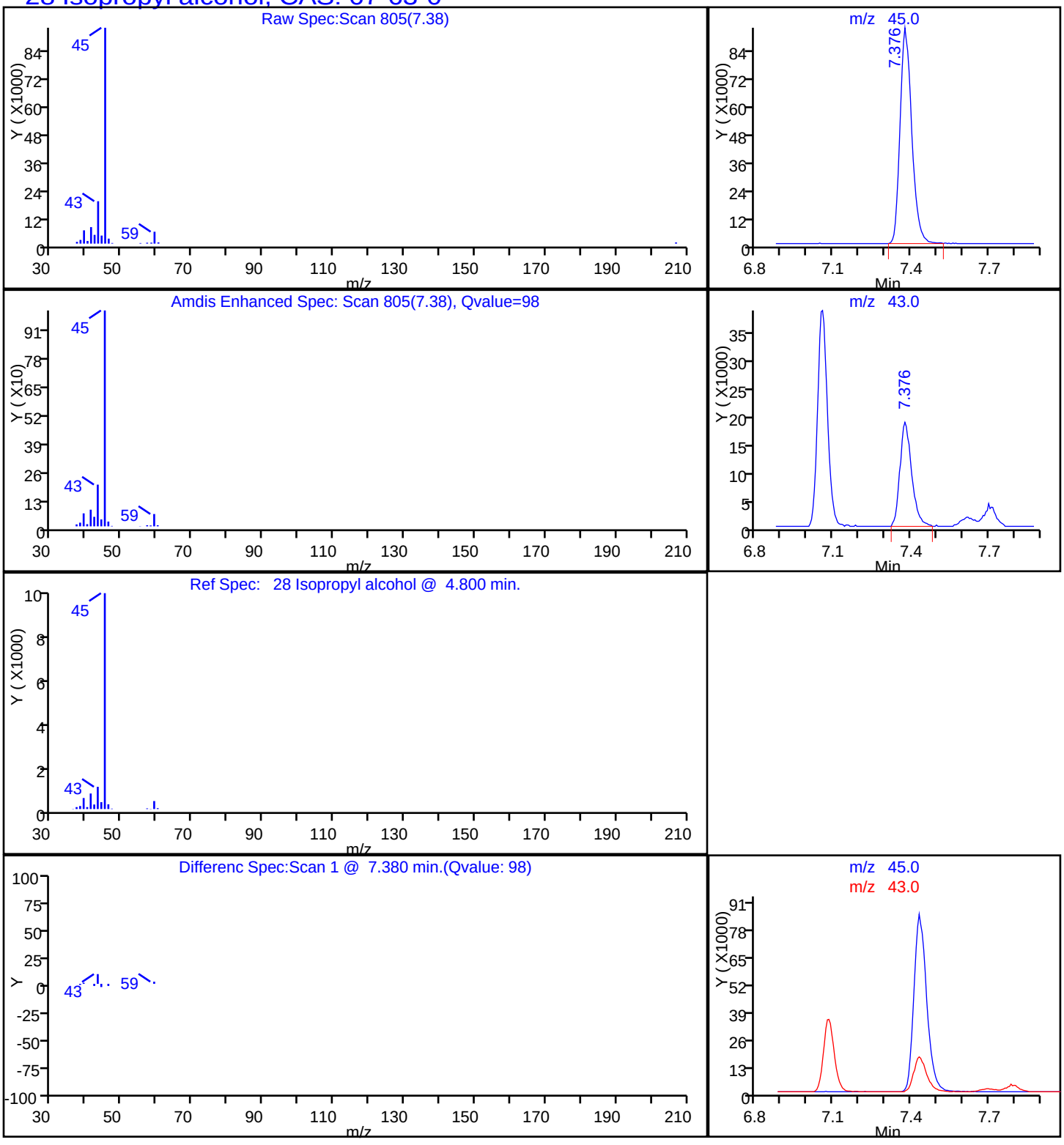
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 Isopropyl alcohol, CAS: 67-63-0



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TestAmerica Burlington

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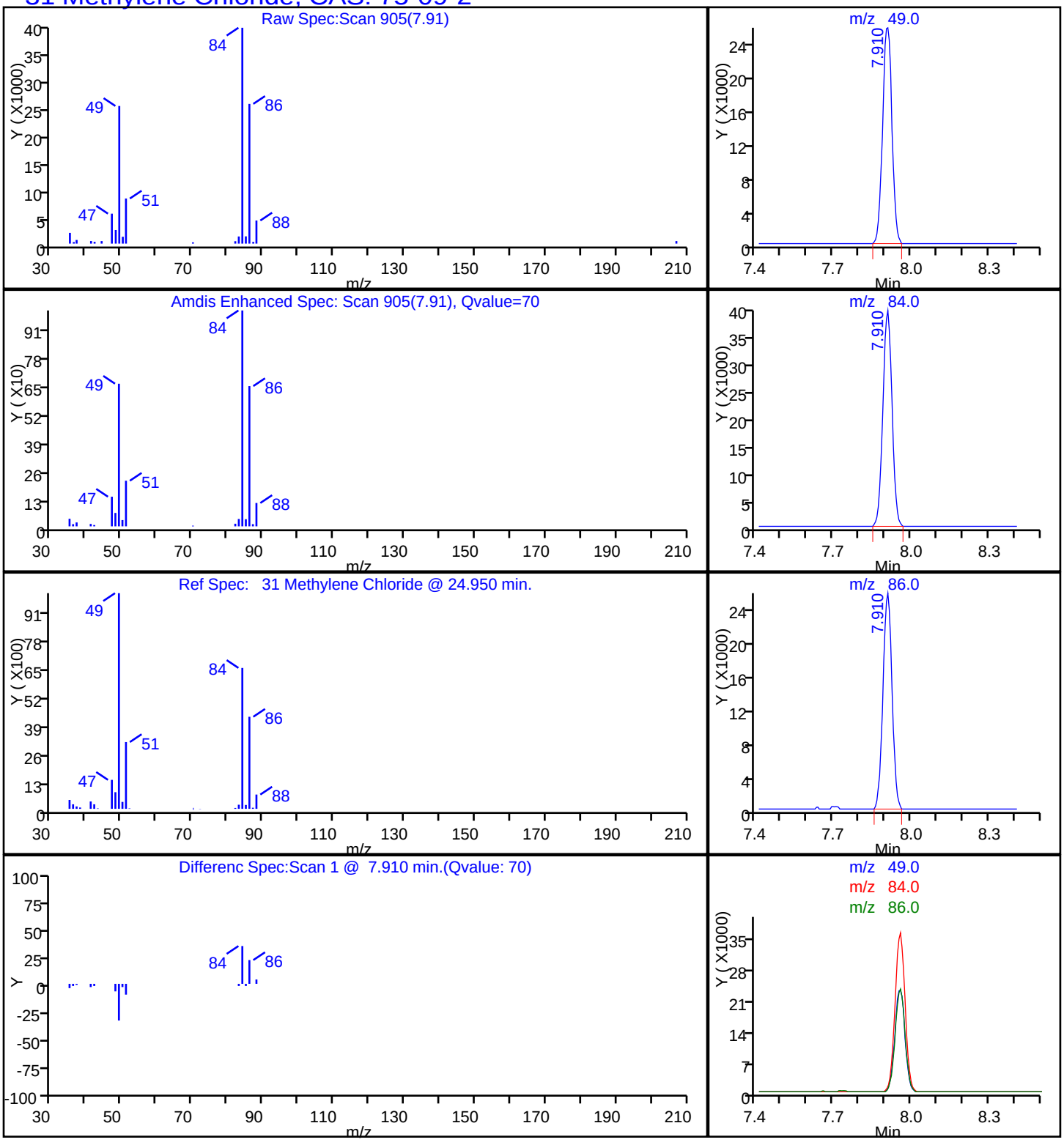
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

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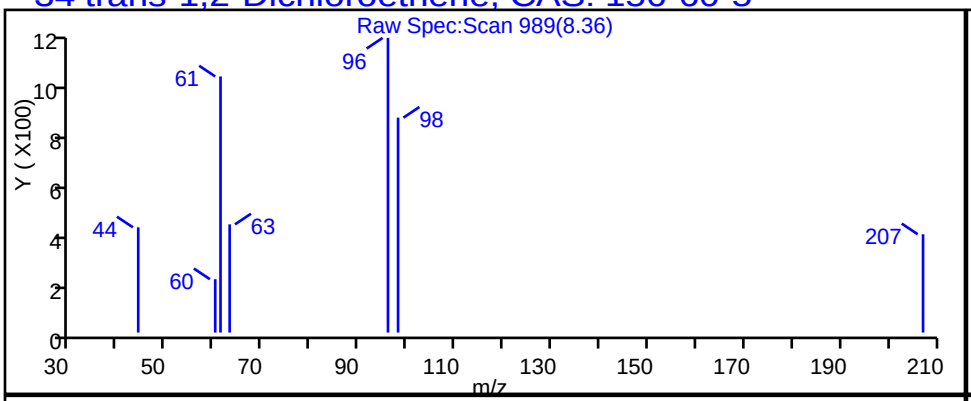
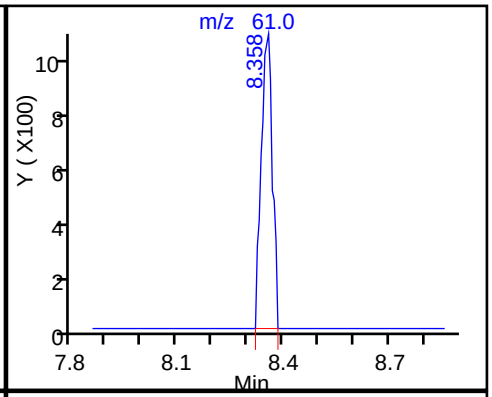
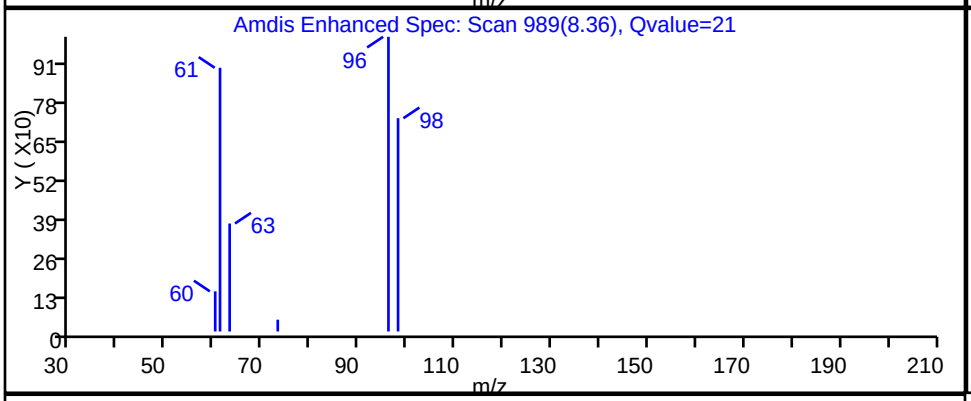
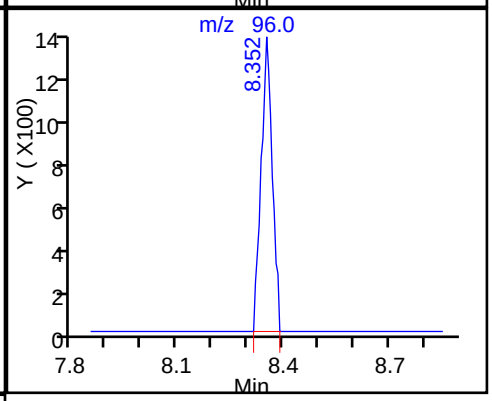
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

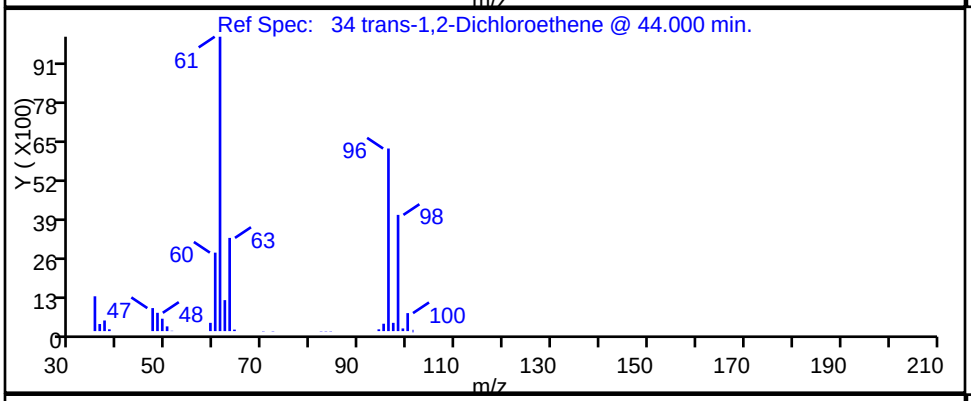
34 trans-1,2-Dichloroethene, CAS: 156-60-5

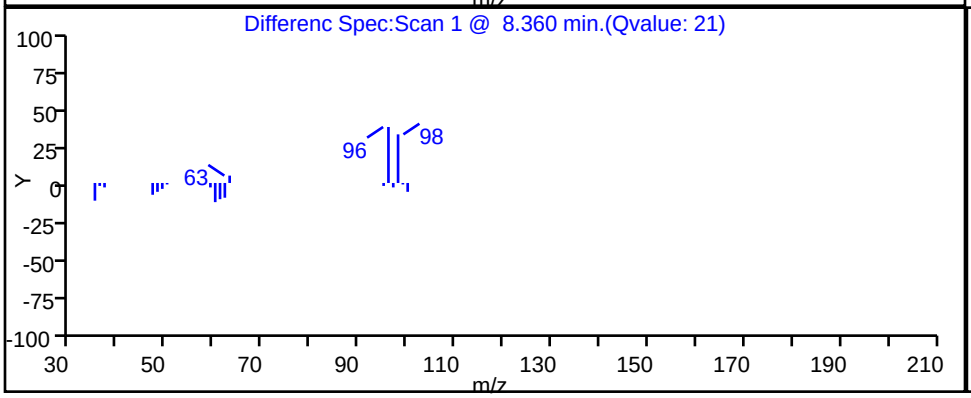


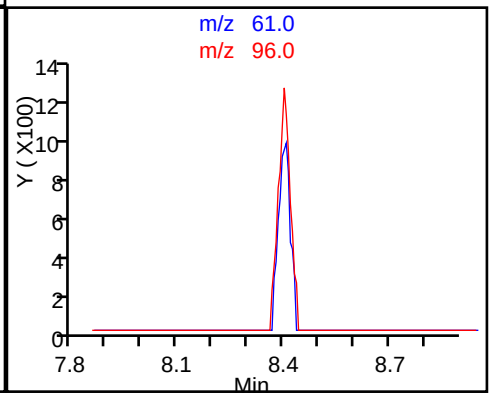












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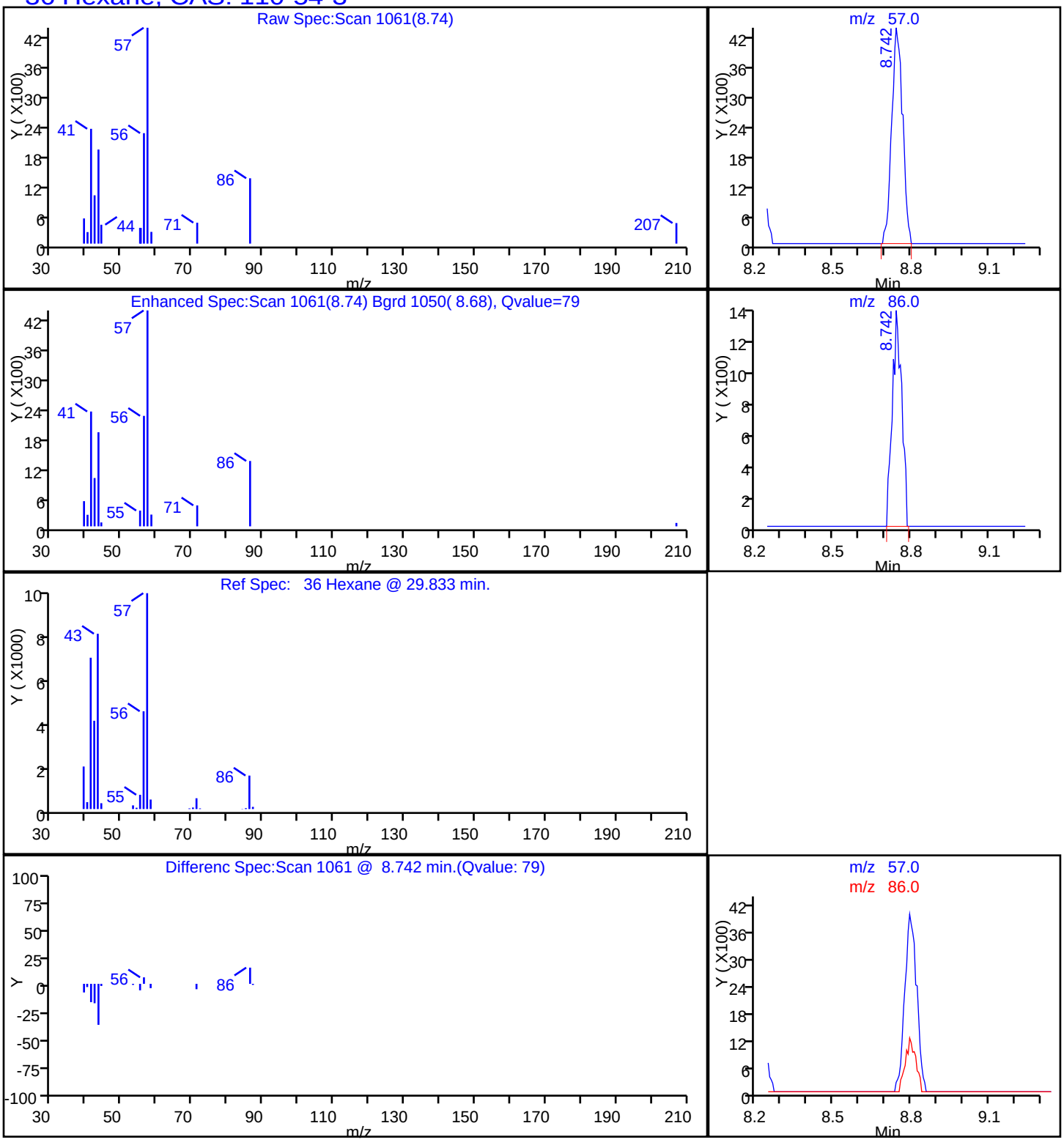
Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



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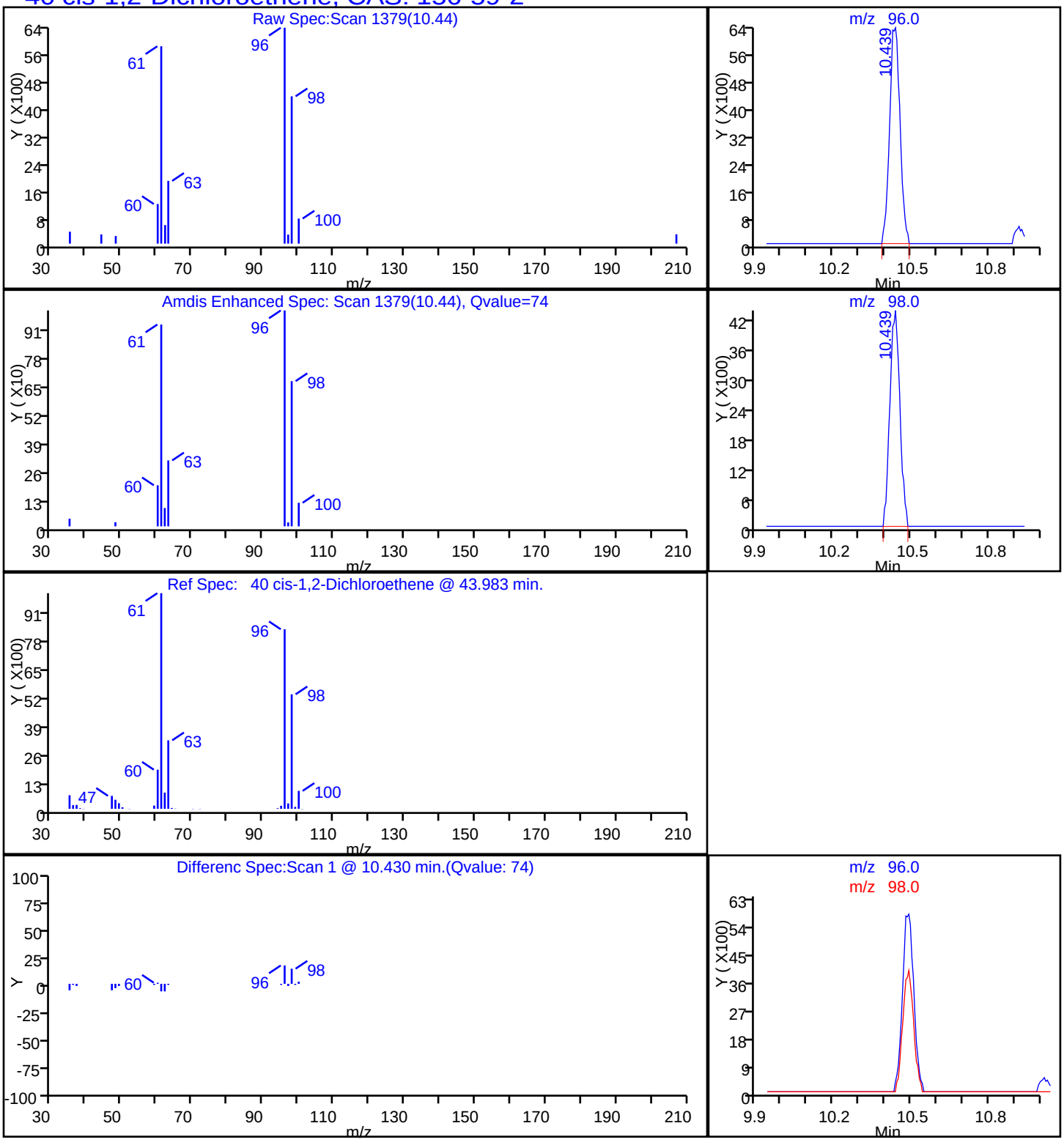
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 cis-1,2-Dichloroethene, CAS: 156-59-2



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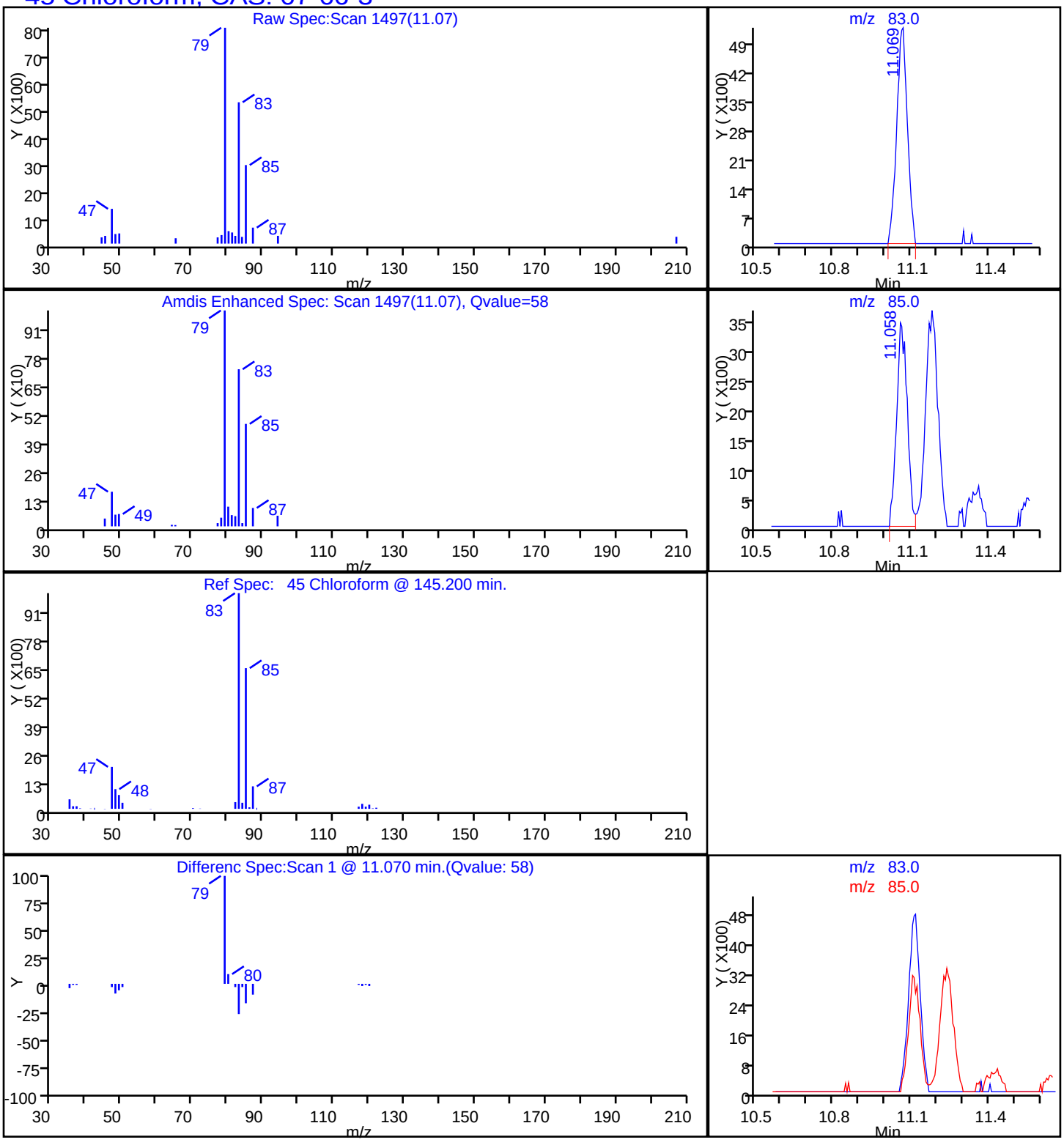
Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



Report Date: 17-Feb-2014 15:13:24 Chrom Revision: 2.1 15-Jan-2014 14:06:26

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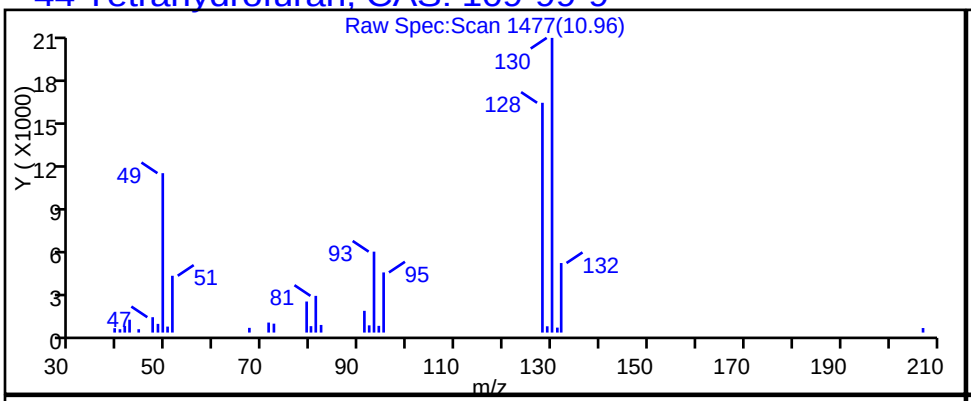
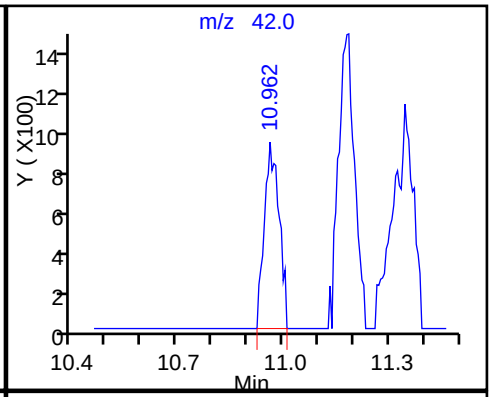
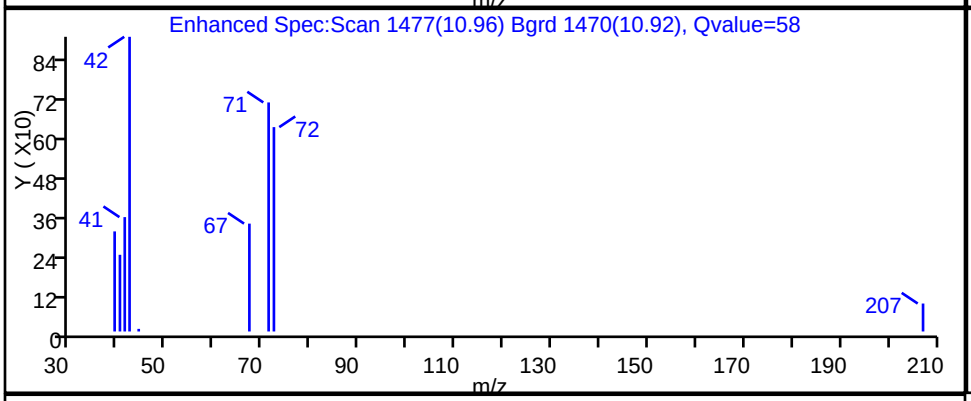
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

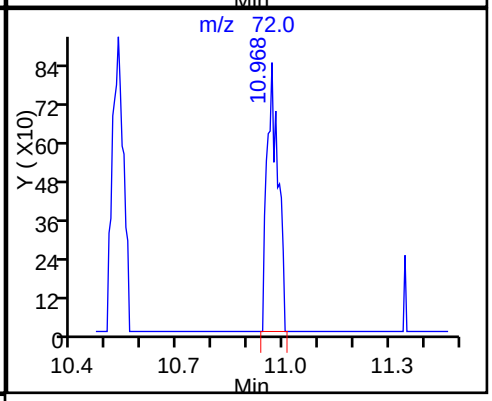
Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

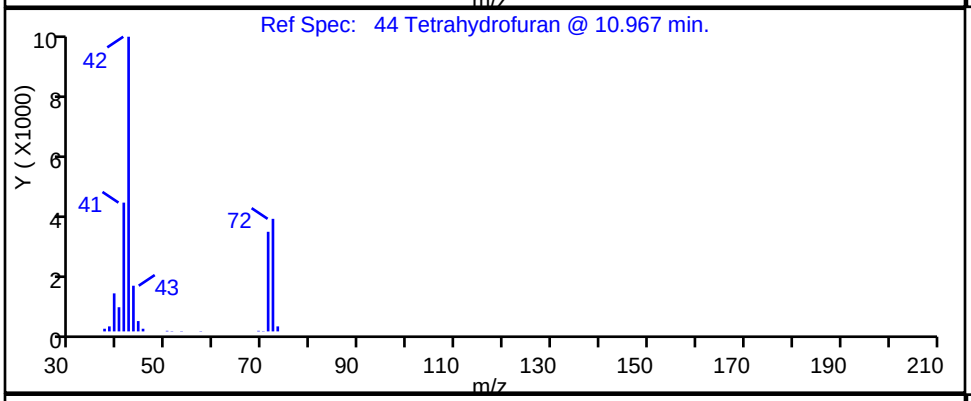
44 Tetrahydrofuran, CAS: 109-99-9

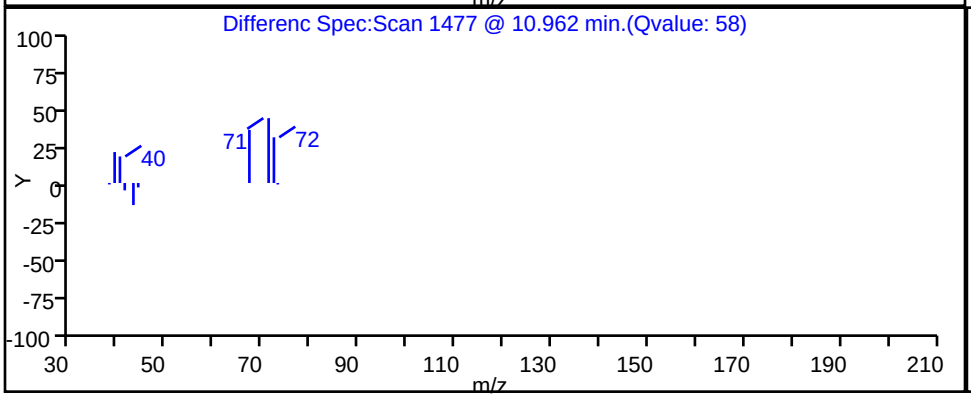


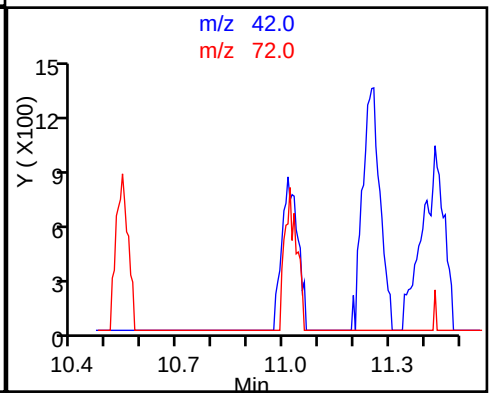












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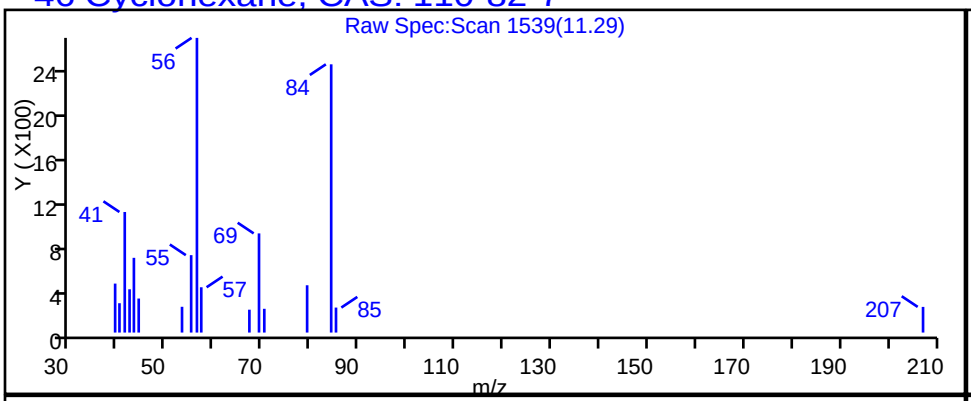
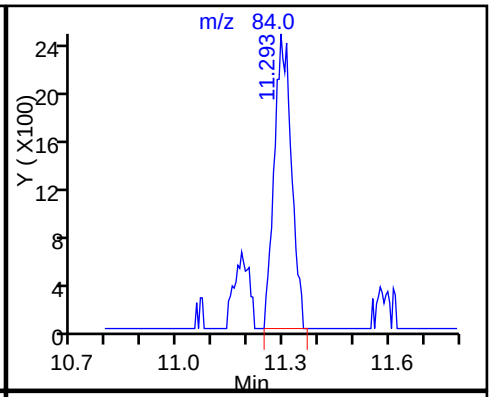
TestAmerica Burlington

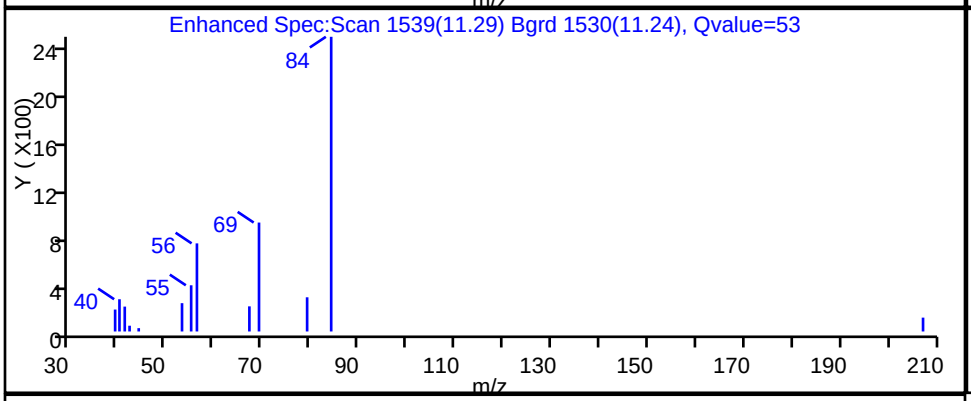
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

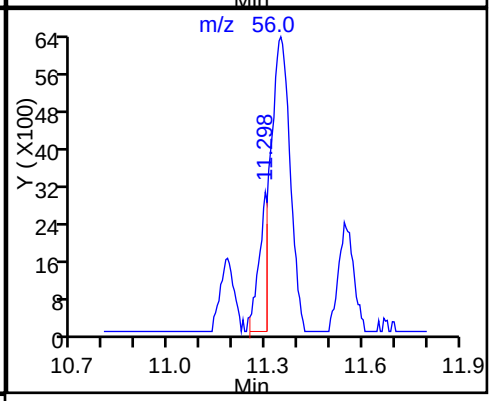
Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

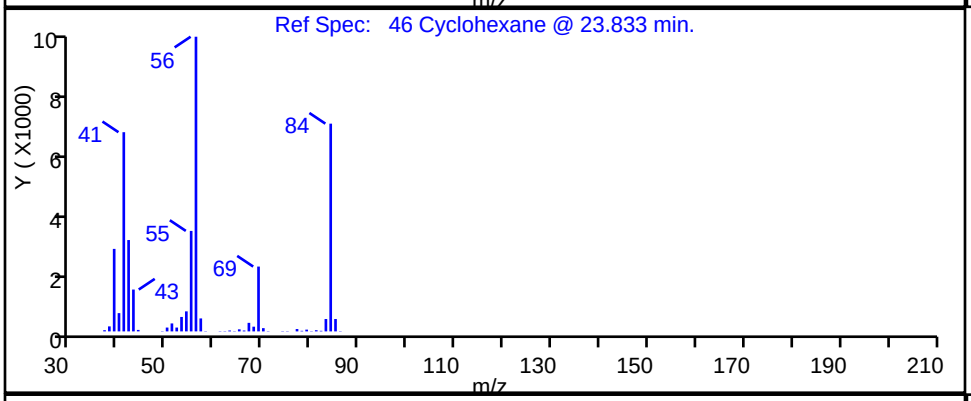
46 Cyclohexane, CAS: 110-82-7

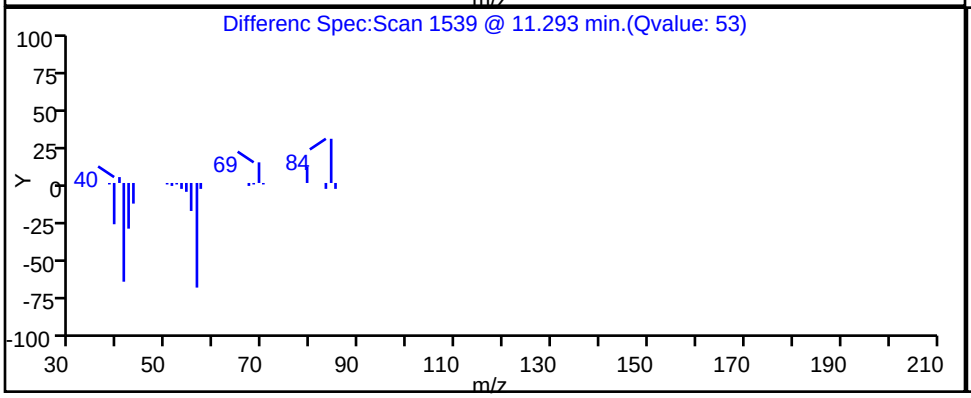


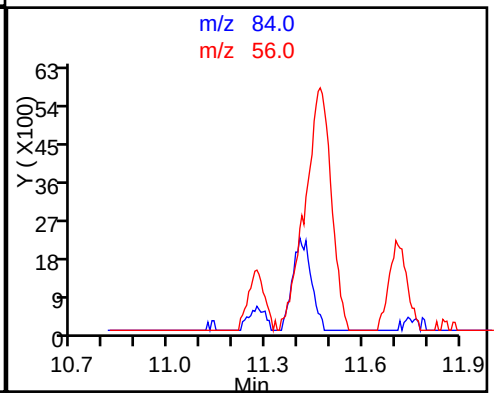












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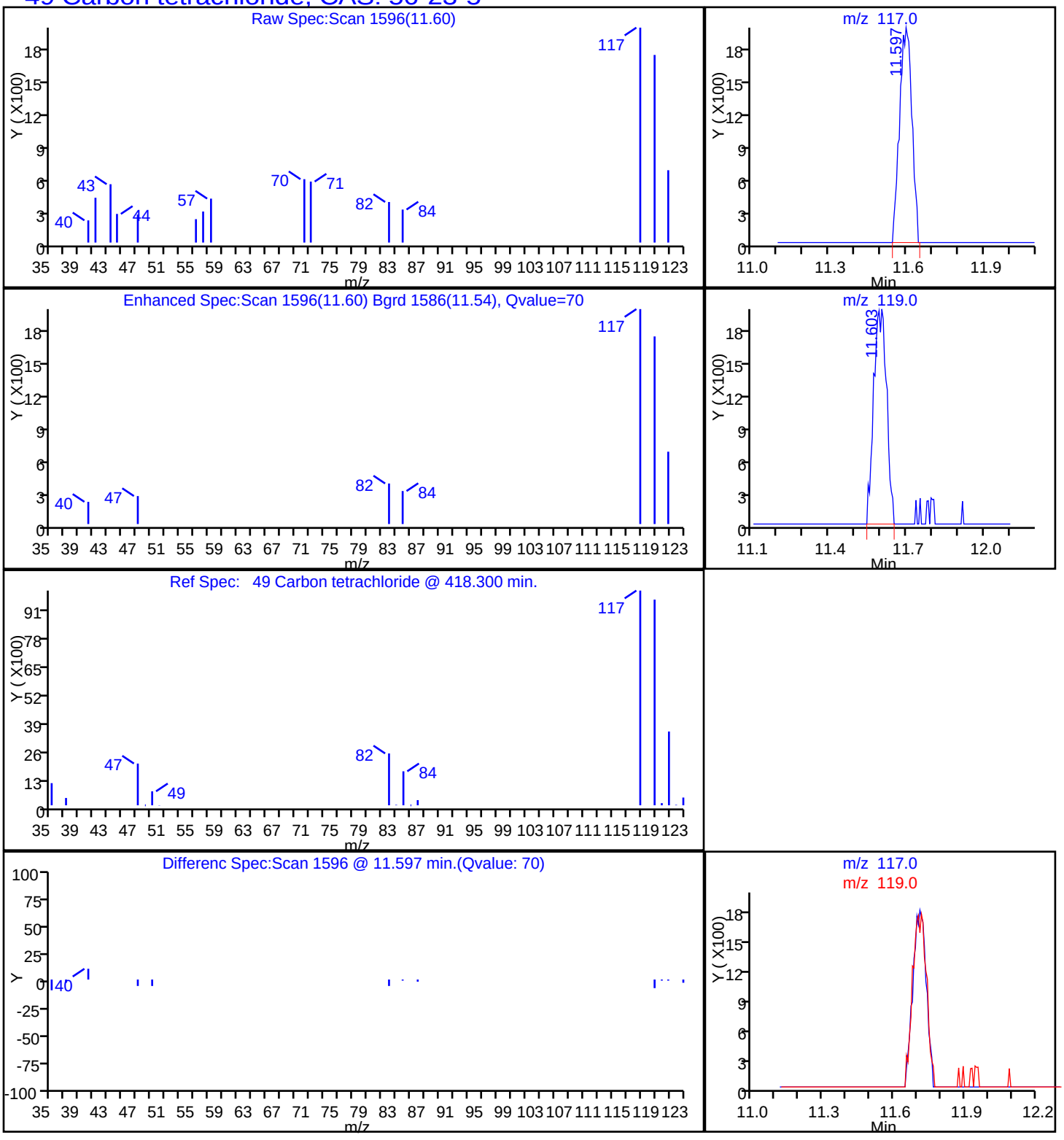
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

49 Carbon tetrachloride, CAS: 56-23-5



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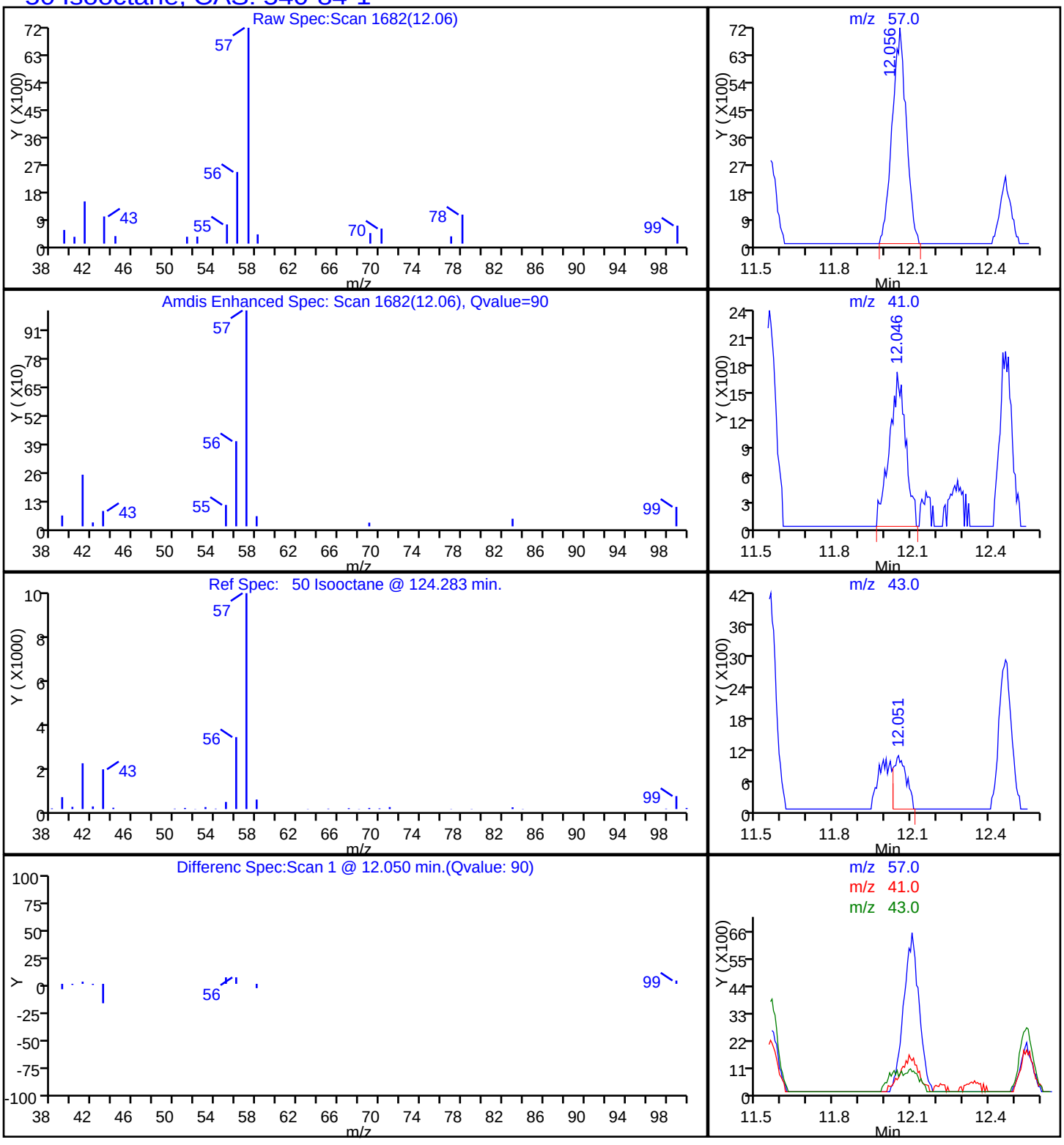
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Isooctane, CAS: 540-84-1



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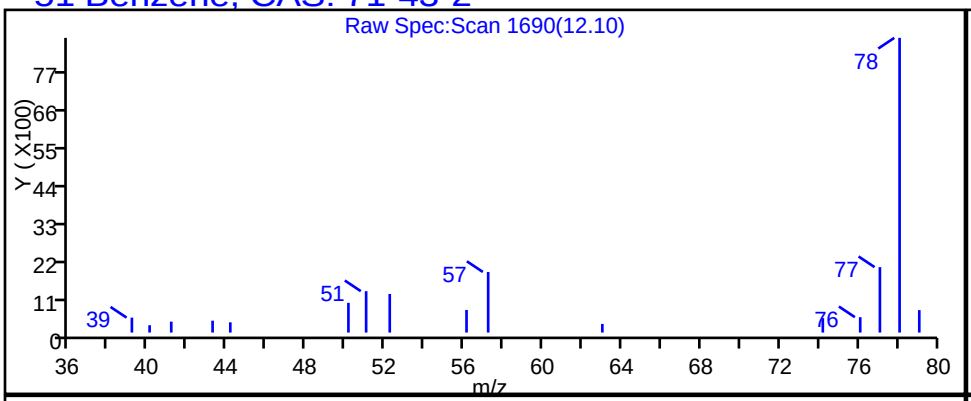
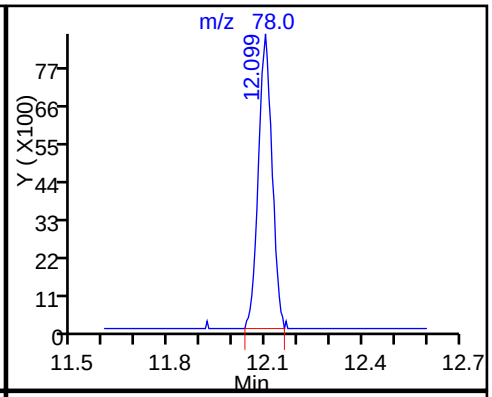
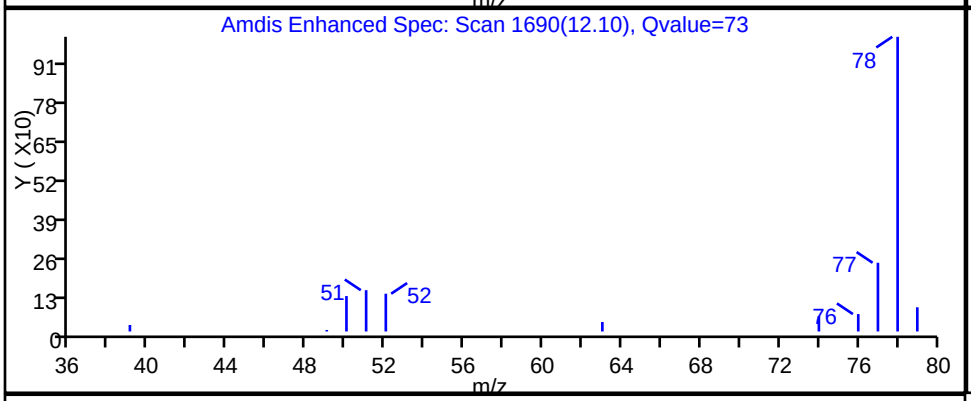
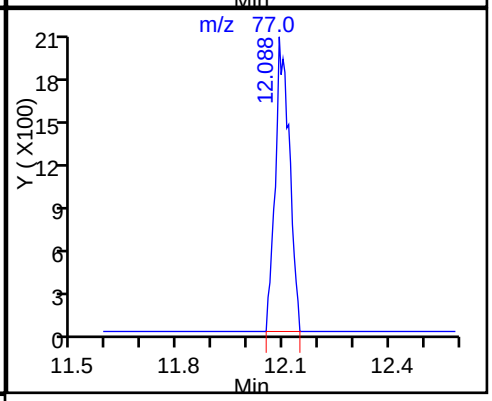
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

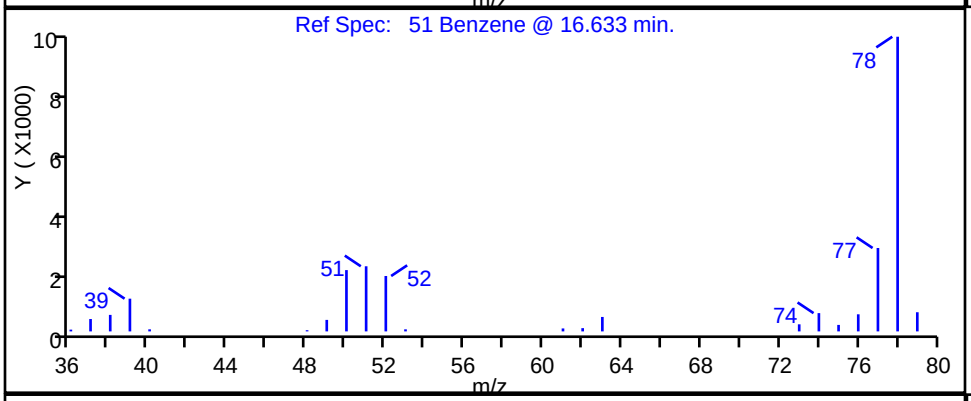
51 Benzene, CAS: 71-43-2

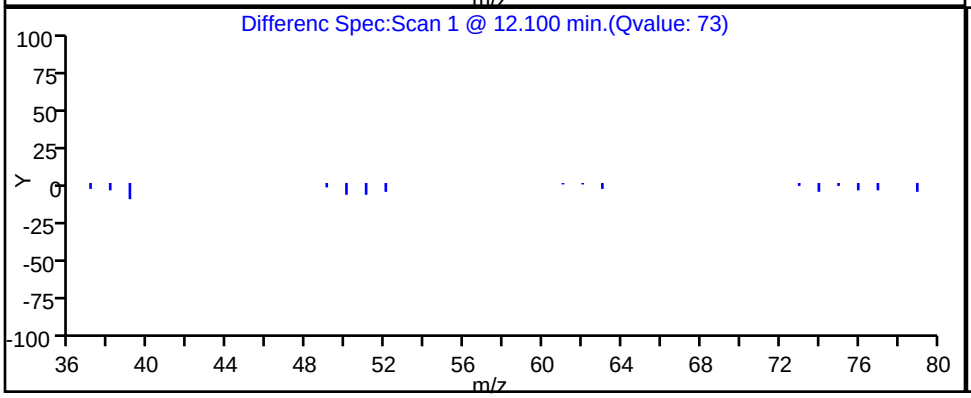


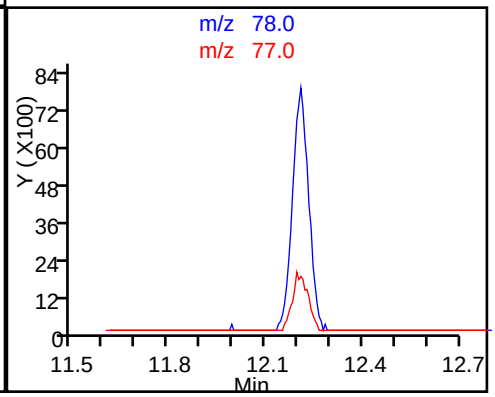










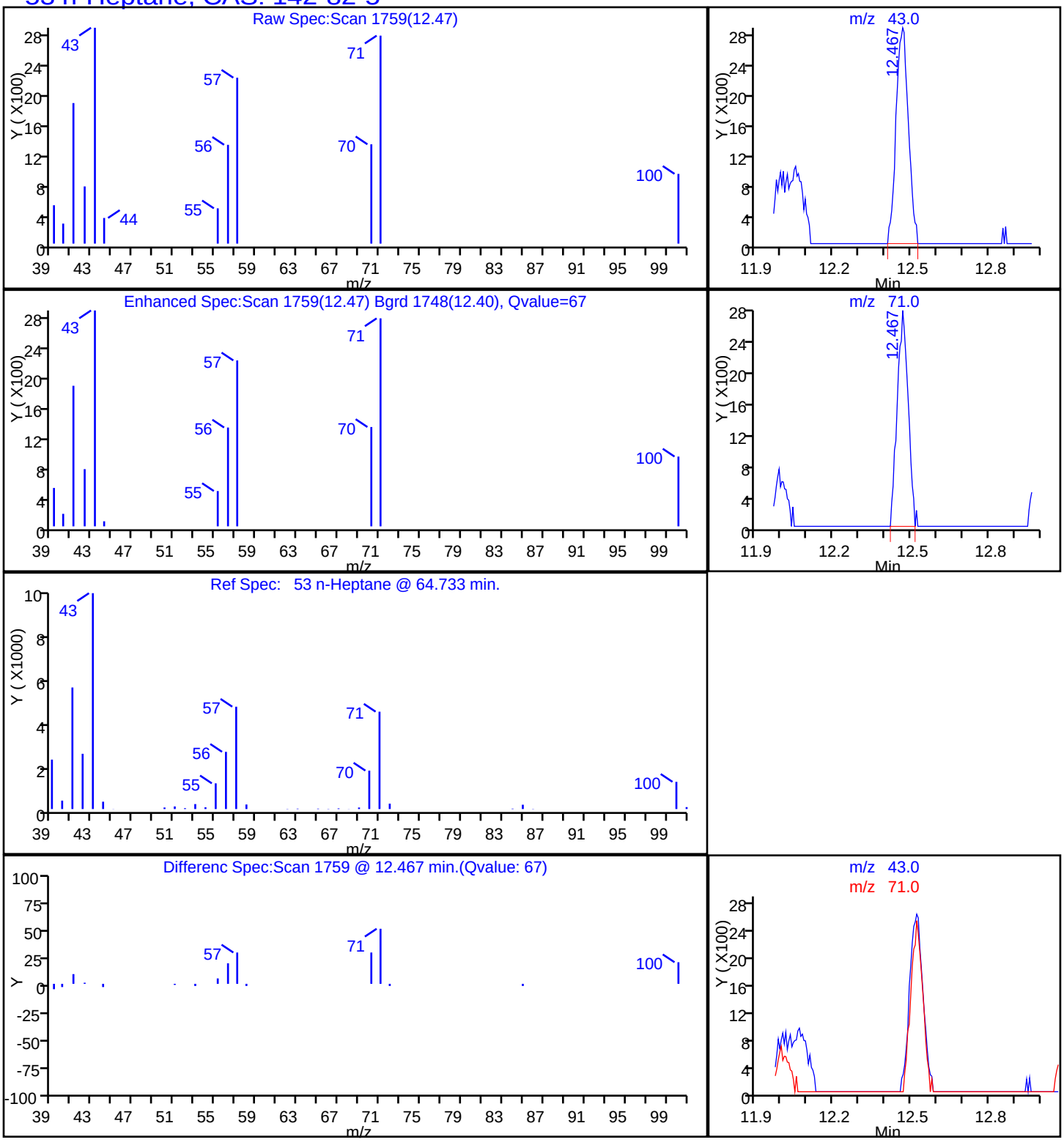


Report Date: 17-Feb-2014 15:13:24 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D				
Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5



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TestAmerica Burlington

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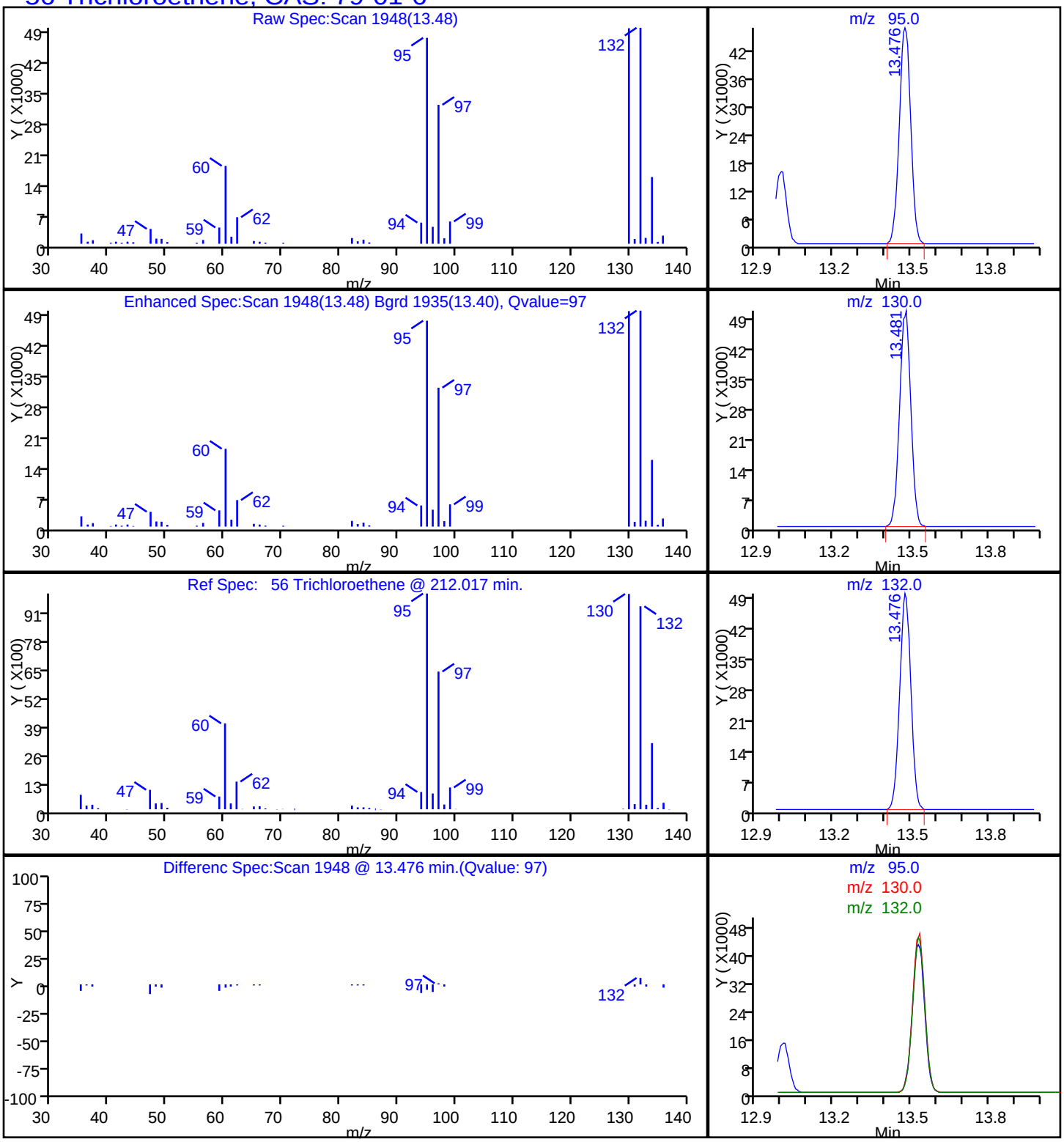
Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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TestAmerica Burlington

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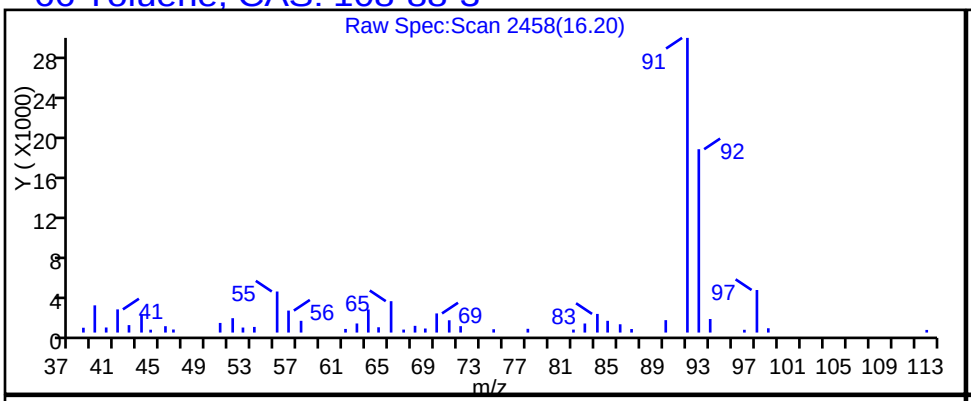
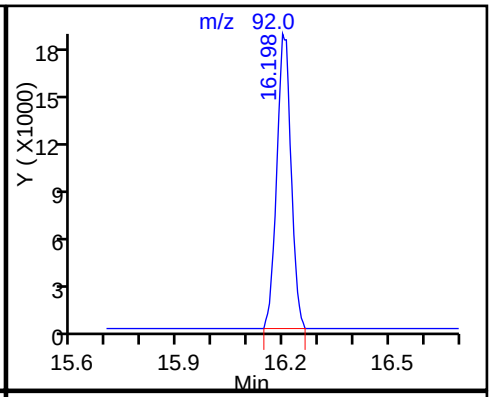
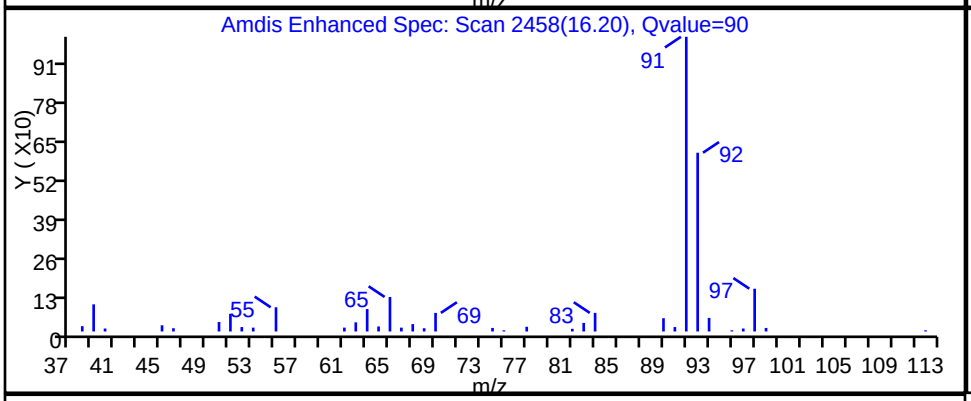
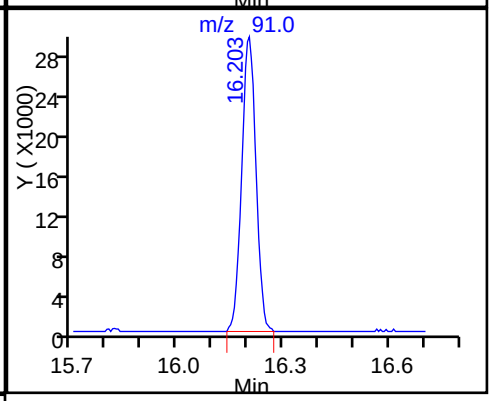
Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

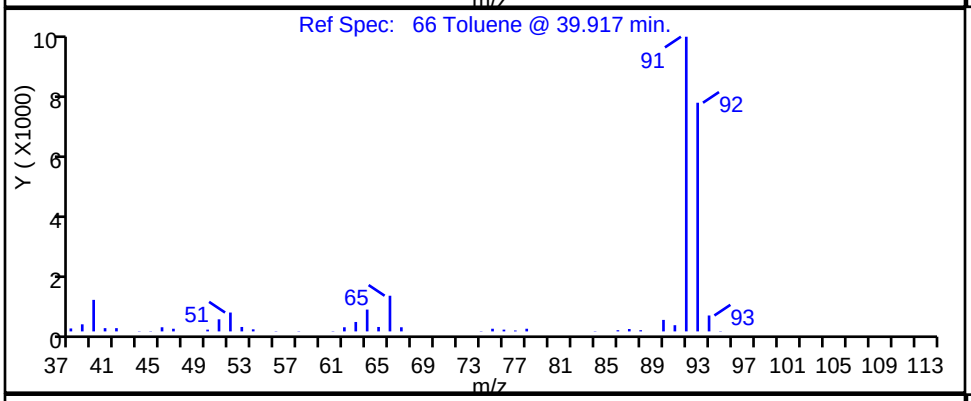
66 Toluene, CAS: 108-88-3

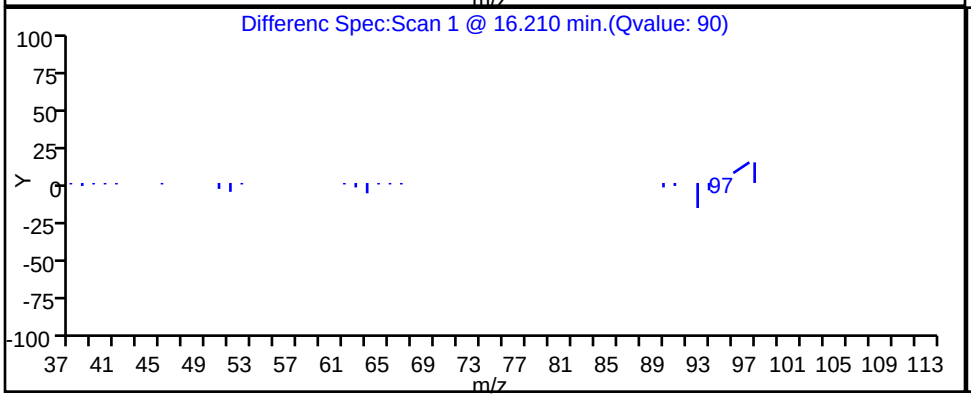


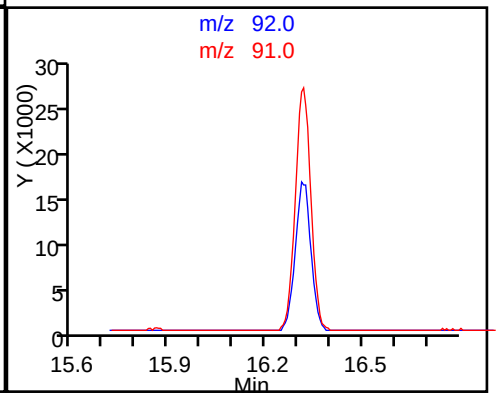












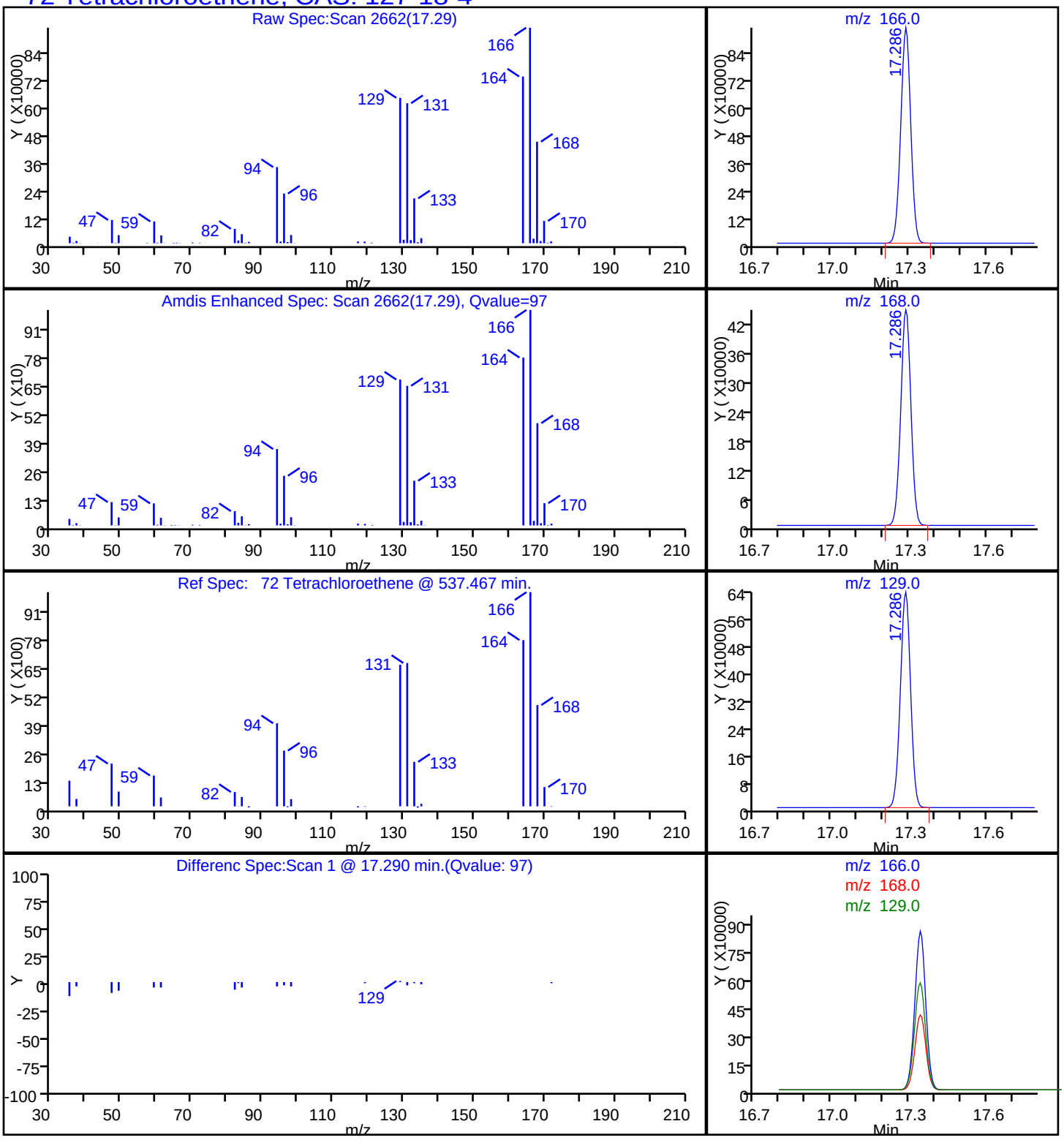
Report Date: 17-Feb-2014 15:13:24 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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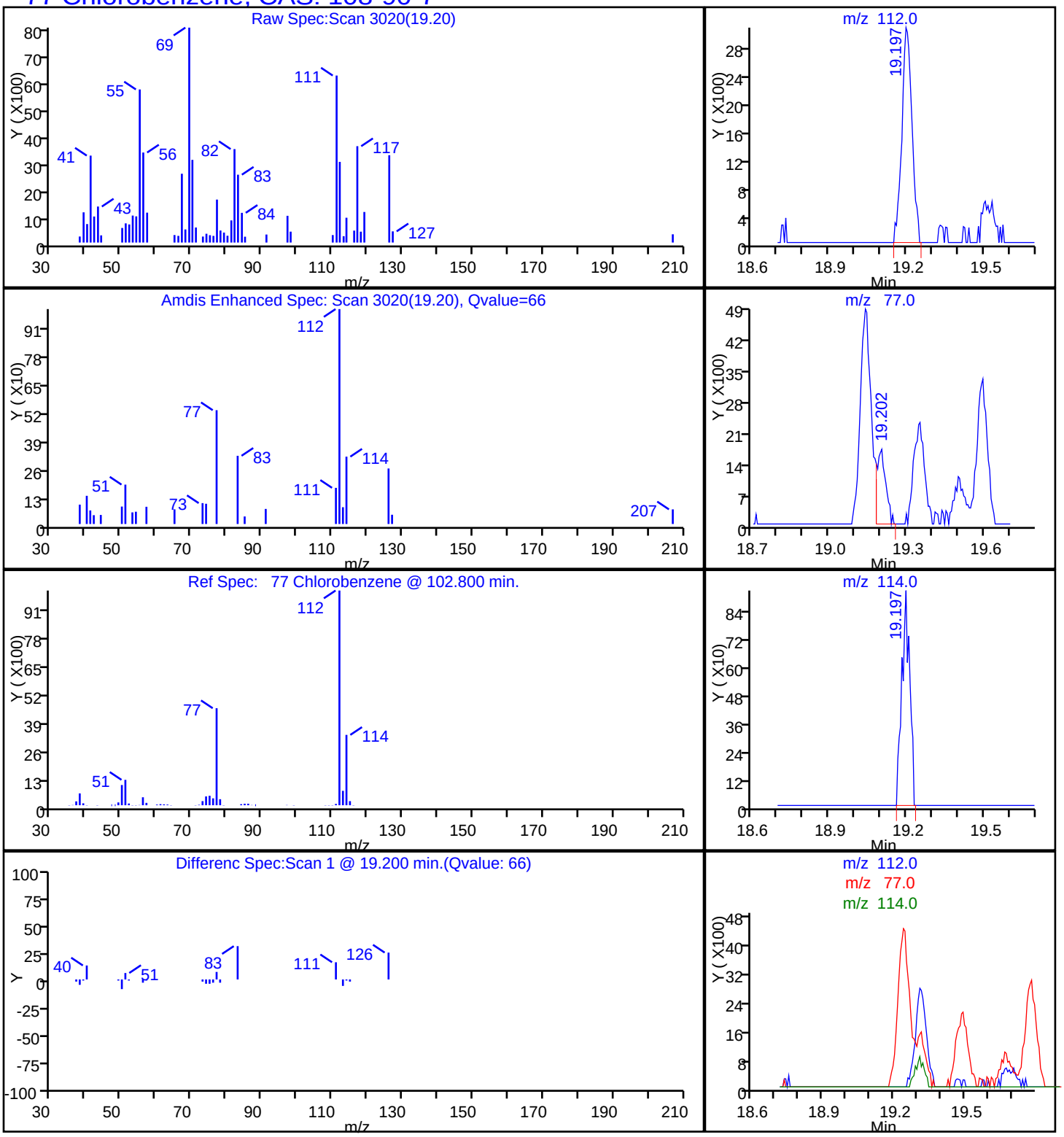
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

77 Chlorobenzene, CAS: 108-90-7



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TestAmerica Burlington

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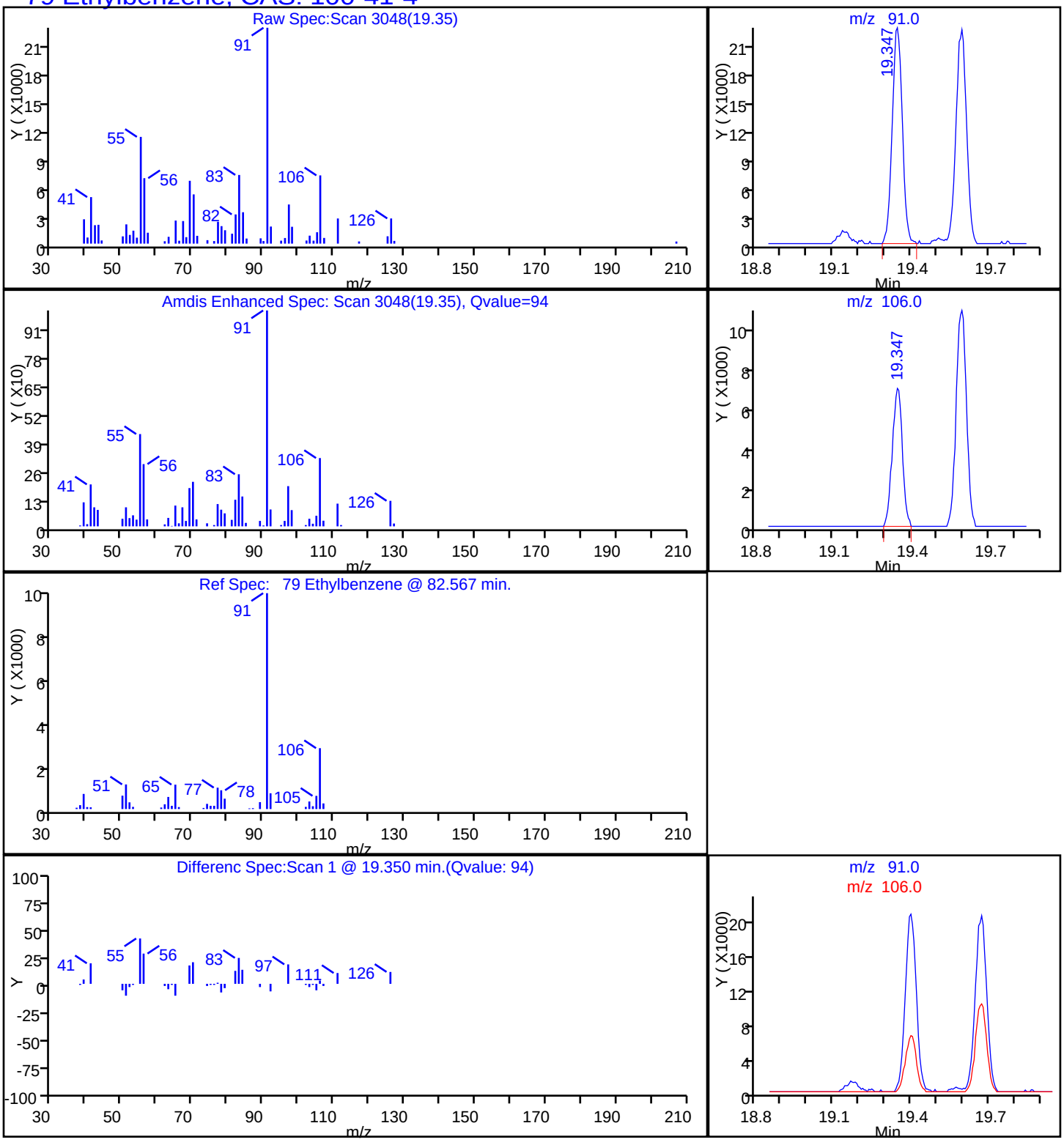
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

79 Ethylbenzene, CAS: 100-41-4



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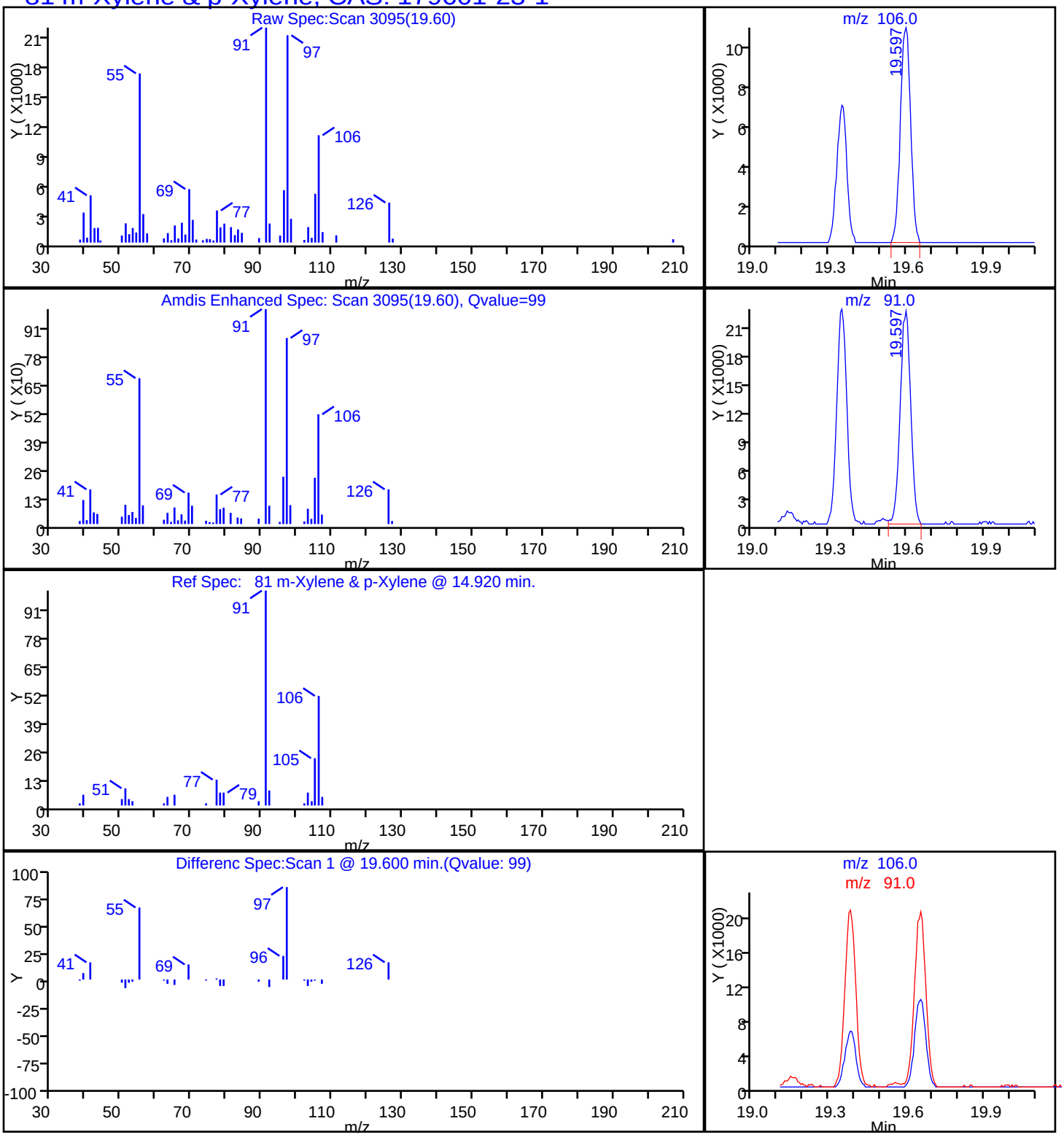
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



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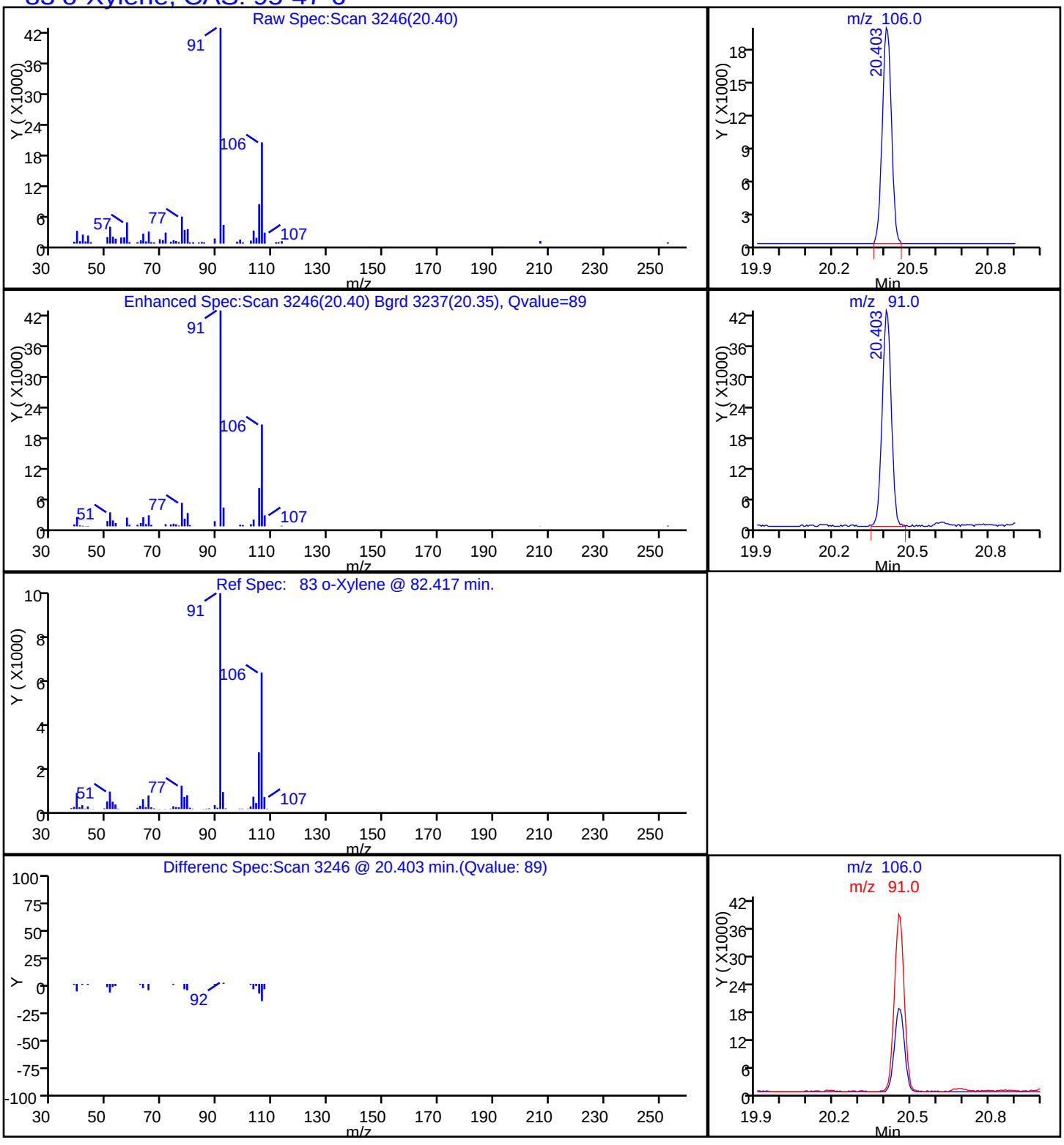
Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



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TestAmerica Burlington

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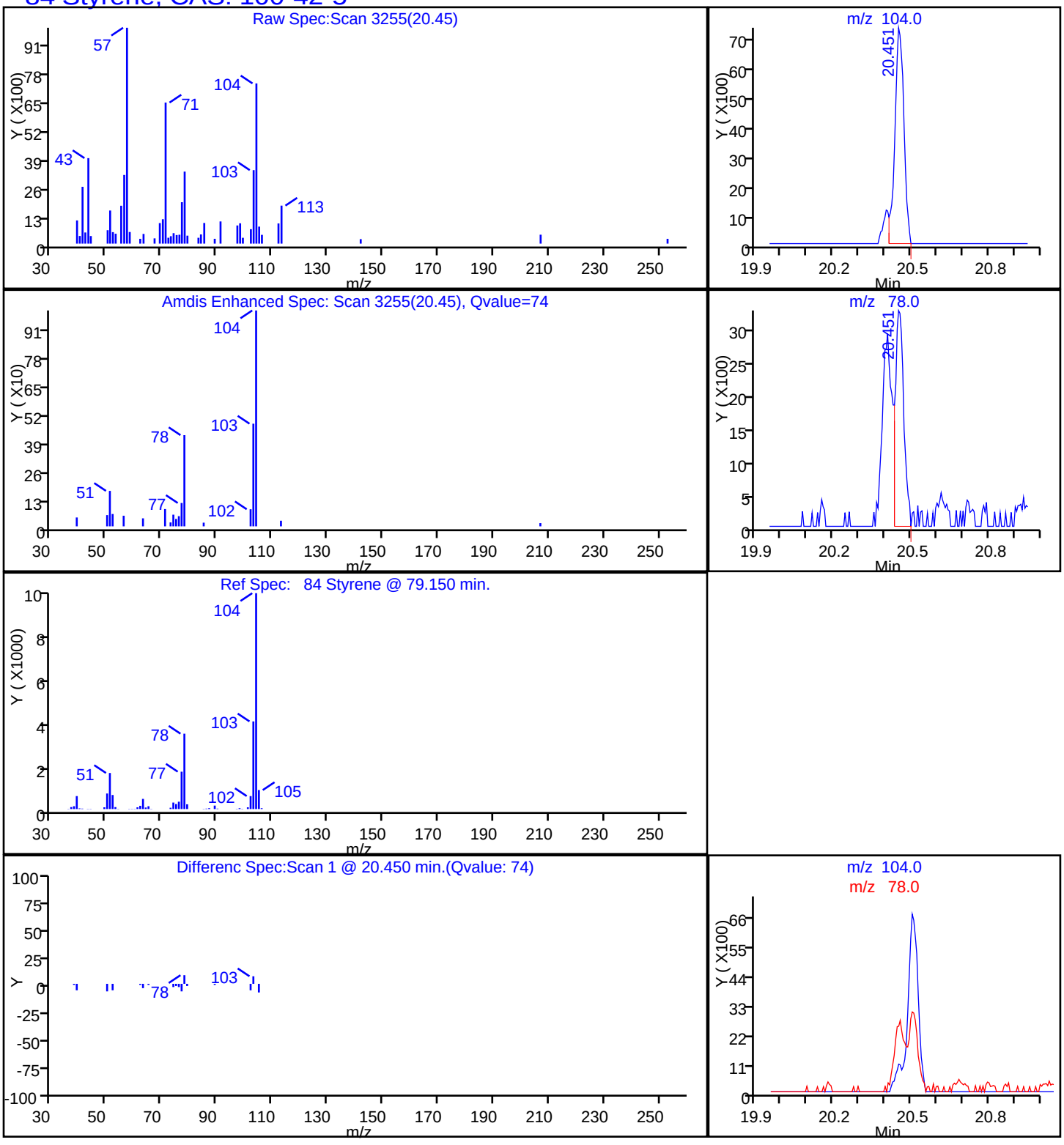
Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5



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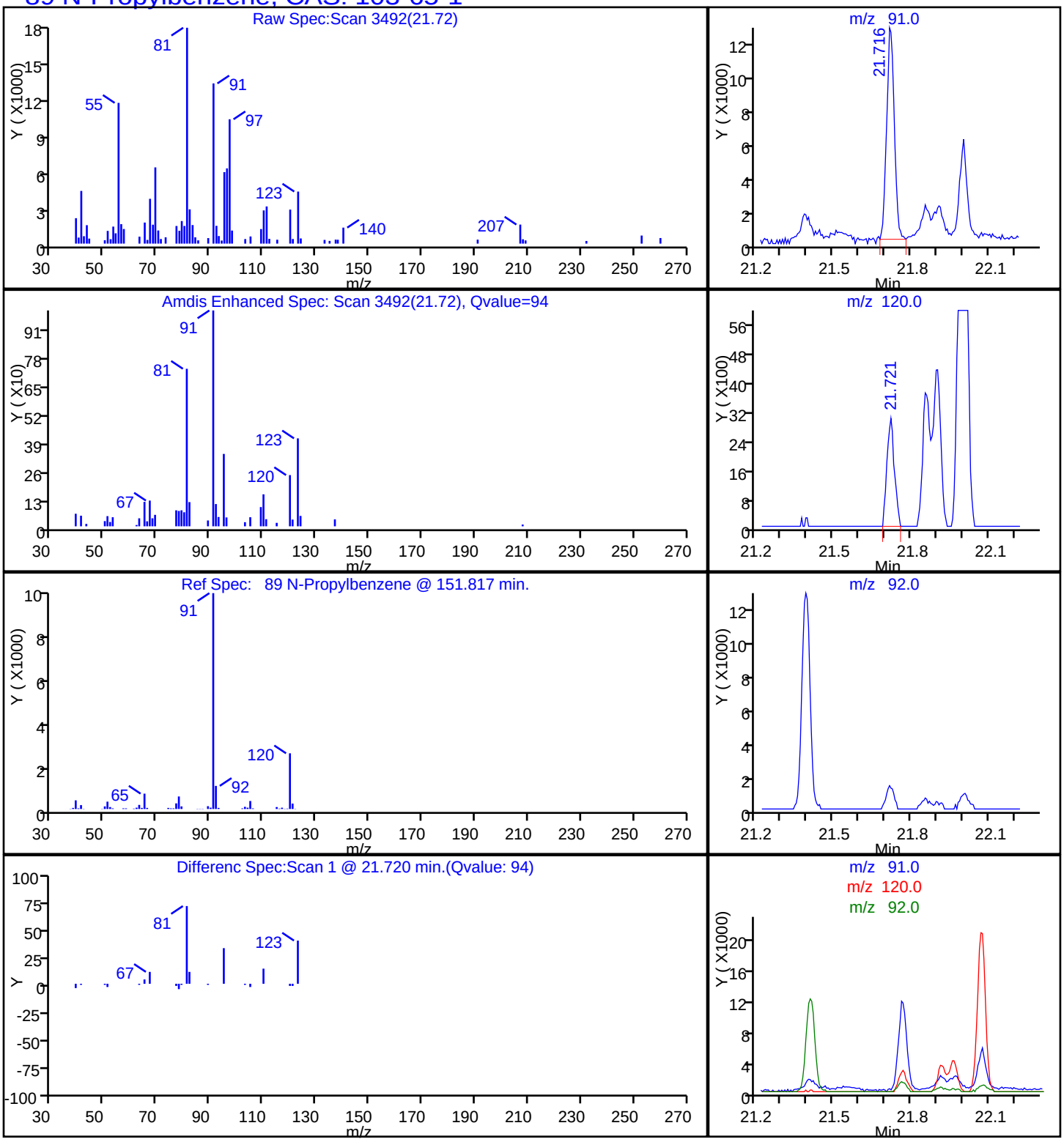
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D

Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

89 N-Propylbenzene, CAS: 103-65-1



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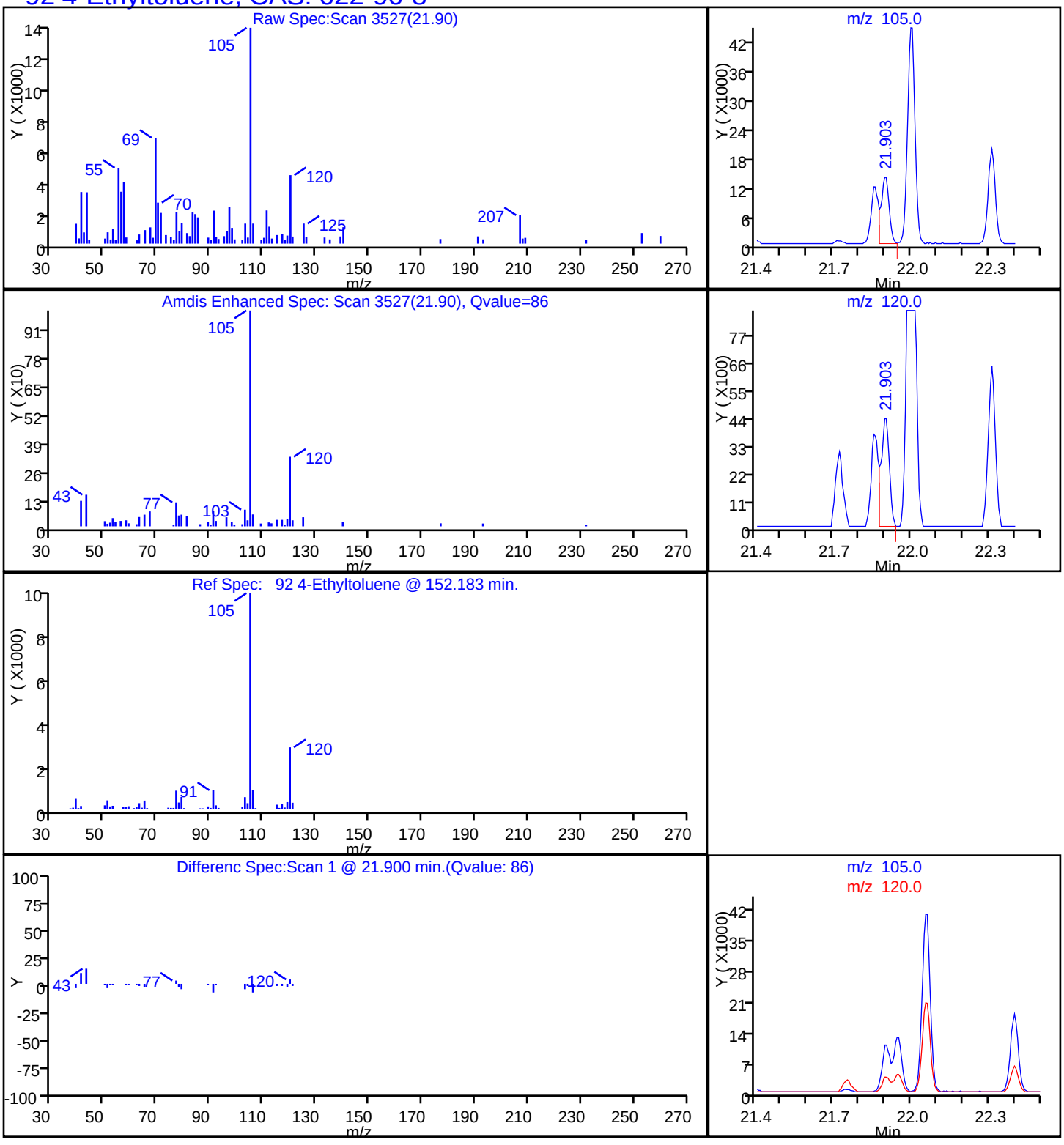
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D				
Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

92 4-Ethyltoluene, CAS: 622-96-8



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TestAmerica Burlington

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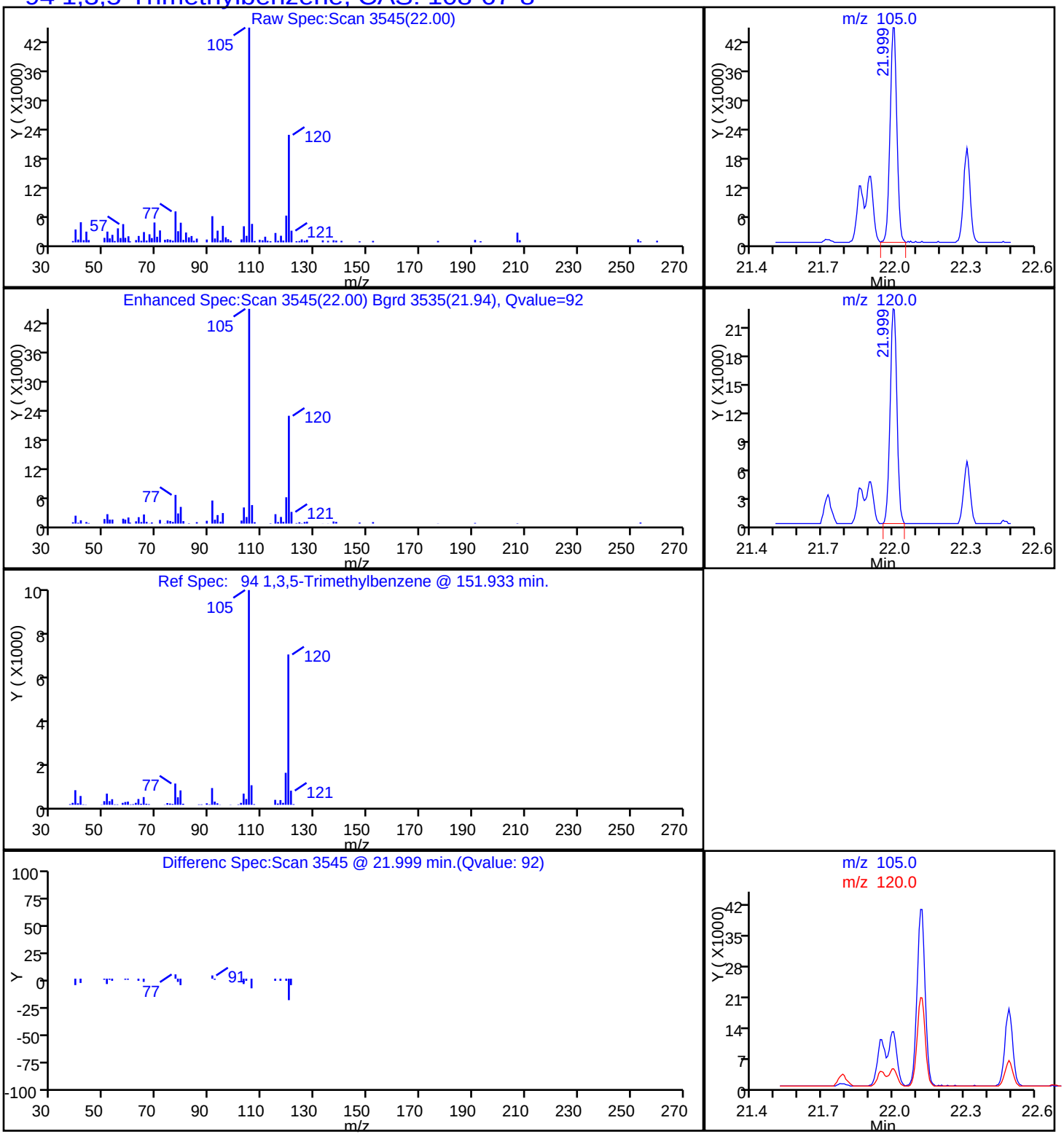
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 1,3,5-Trimethylbenzene, CAS: 108-67-8



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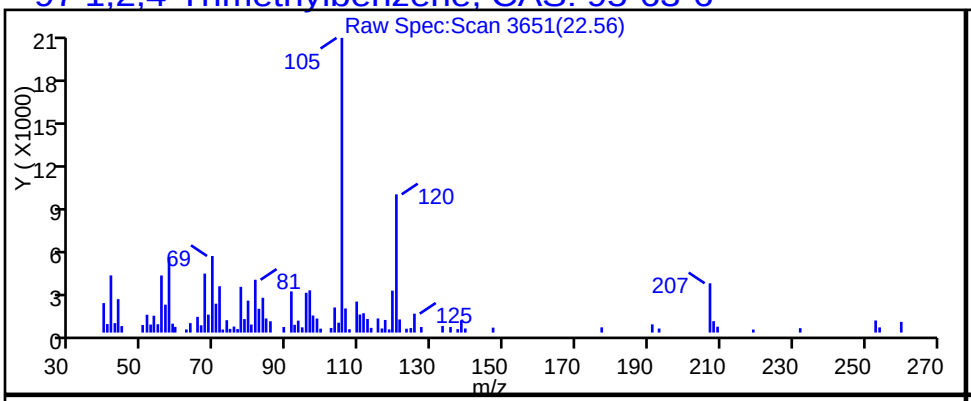
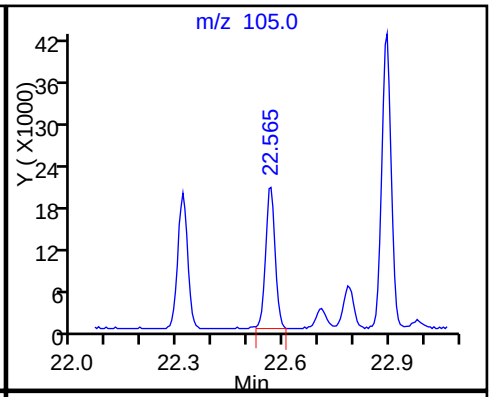
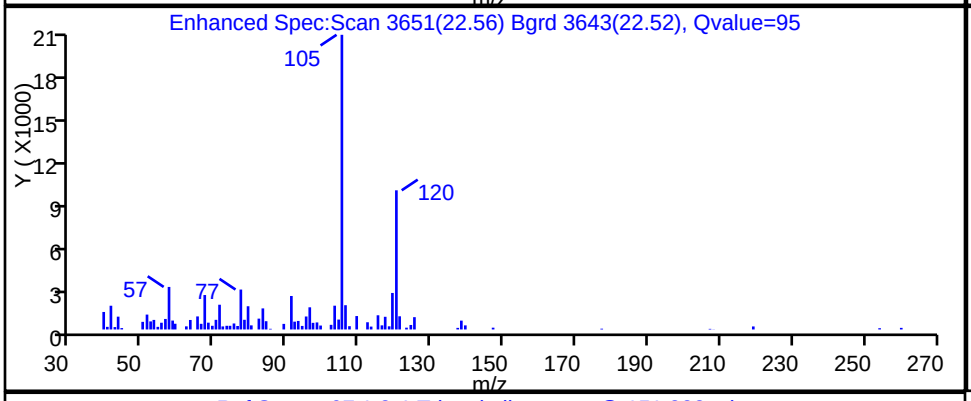
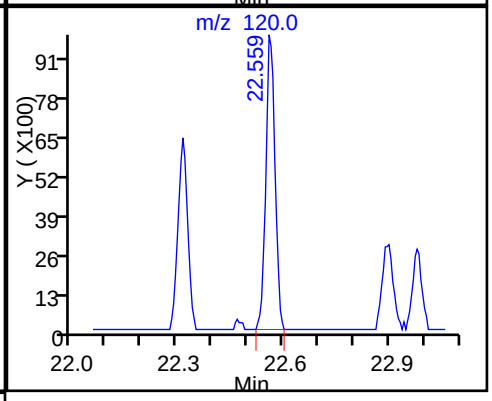
Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

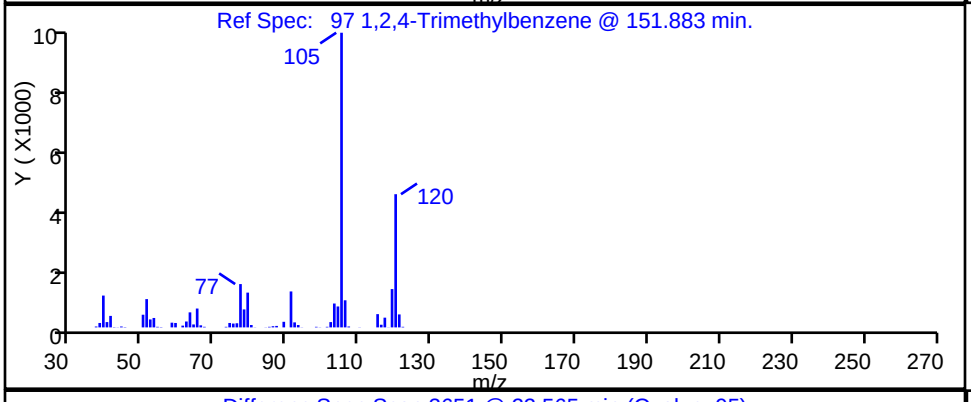
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

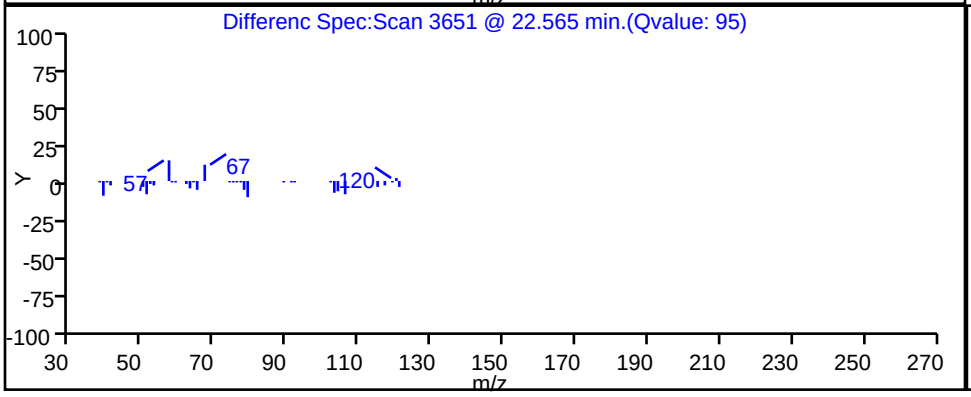


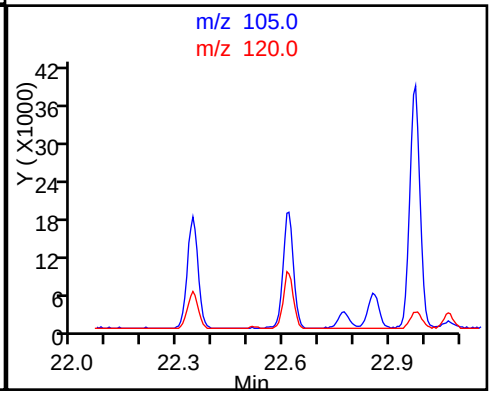












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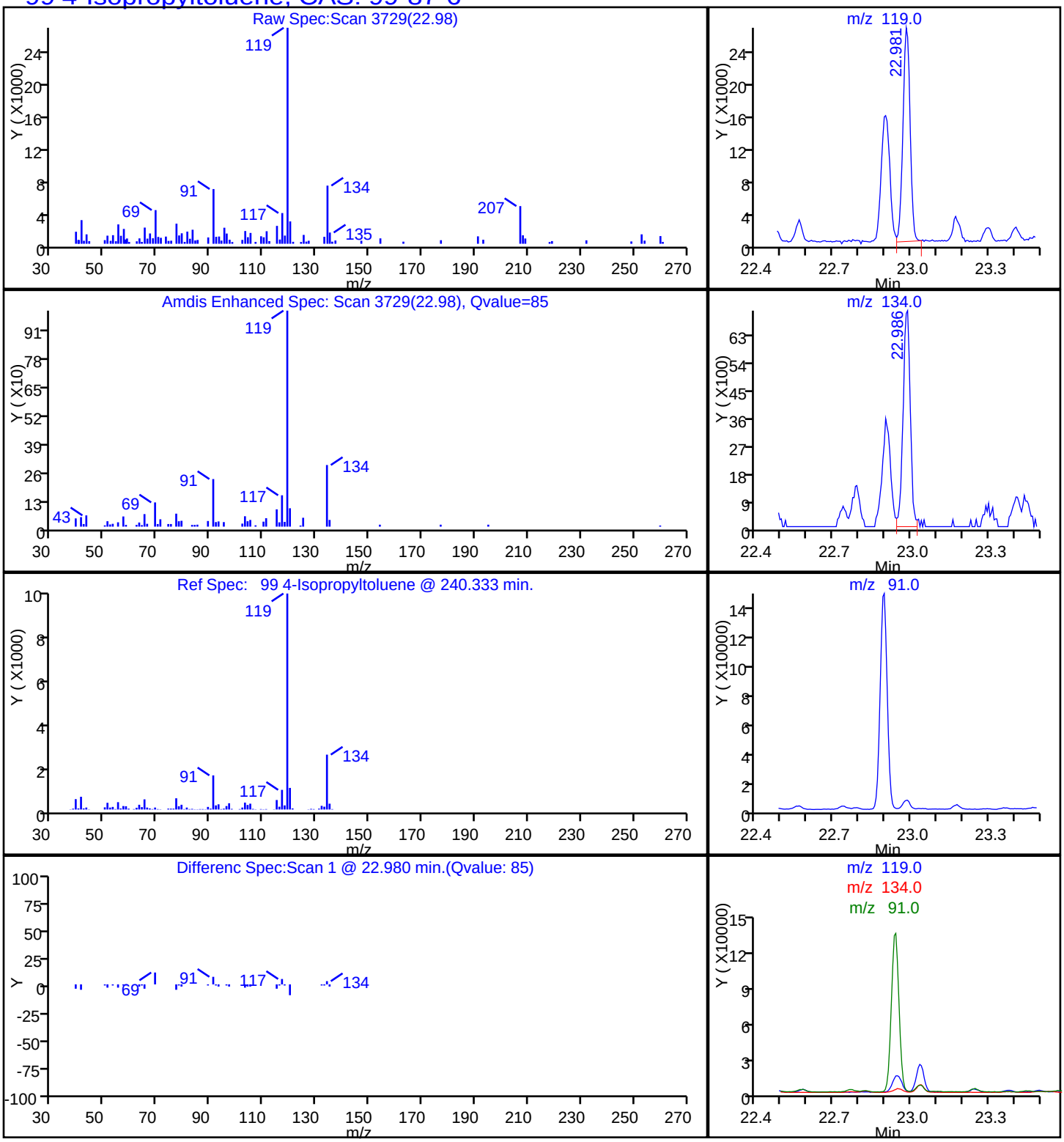
Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

99 4-Isopropyltoluene, CAS: 99-87-6



Manual Integration/User Assign Peak Report

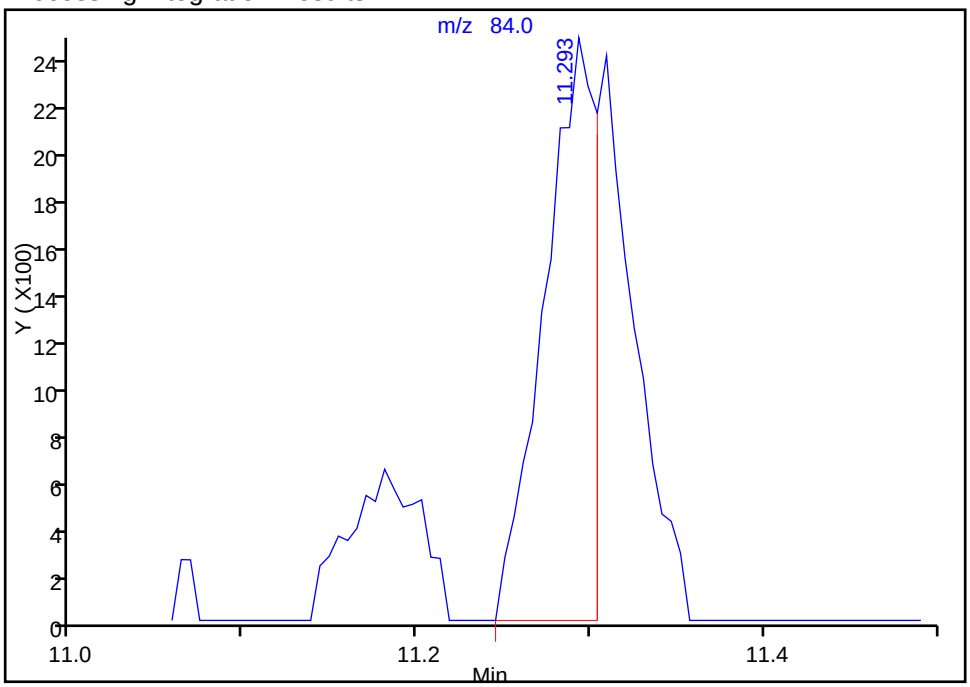
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_21.D				
Injection Date:	15-Feb-2014 09:26:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-4	Lab Sample ID:	200-20861-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

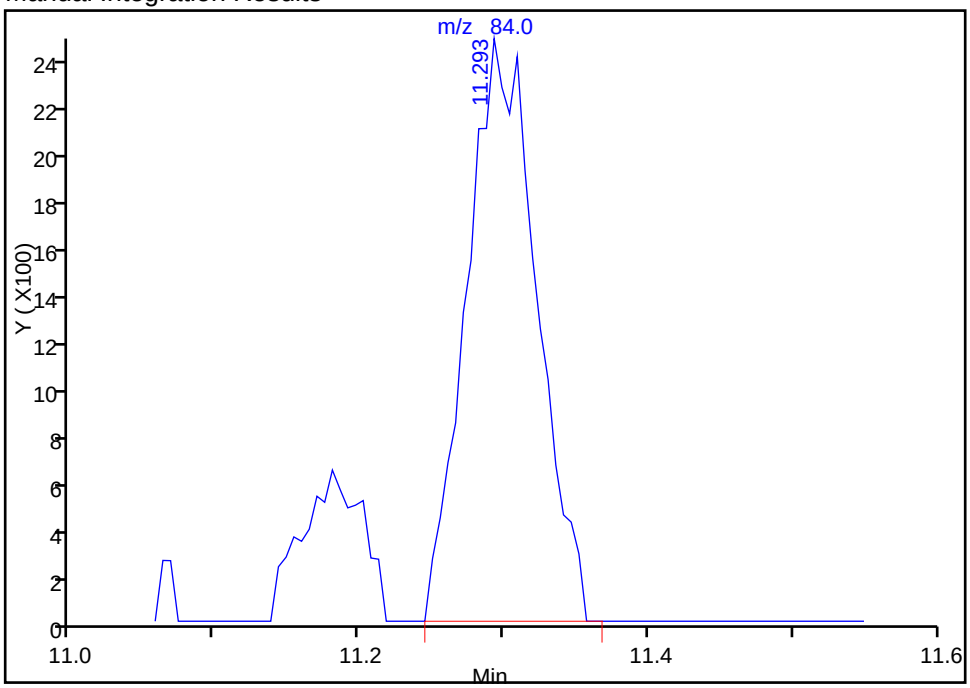
Processing Integration Results

RT: 11.29
Response: 5026
Amount: 0.124285



Manual Integration Results

RT: 11.29
Response: 8120
Amount: 0.200796



Reviewer: desjardinsb, 17-Feb-2014 15:13:23
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-5 Lab Sample ID: 200-20861-5

Matrix: Air Lab File ID: 6163_22.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:31

Sample wt/vol: 29(mL) Date Analyzed: 02/15/2014 10:17

Soil Aliquot Vol: Dilution Factor: 6.9

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.62	J	3.5	0.21
75-45-6	Freon 22	86.47	3.1	J	3.5	0.33
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	3.5	U	3.5	0.94
106-97-8	n-Butane	58.12	3.5	U	3.5	1.9
75-01-4	Vinyl chloride	62.50	0.28	U	0.28	0.26
106-99-0	1,3-Butadiene	54.09	1.4	U	1.4	0.29
74-83-9	Bromomethane	94.94	1.4	U	1.4	0.19
75-00-3	Chloroethane	64.52	3.5	U	3.5	0.21
593-60-2	Vinyl bromide	106.96	1.4	U	1.4	0.21
75-69-4	Freon 11	137.37	1.4	U	1.4	0.21
76-13-1	Freon 113	187.38	1.4	U	1.4	0.12
75-35-4	1,1-Dichloroethene	96.94	1.4	U	1.4	0.17
67-64-1	Acetone	58.08	35	U	35	8.6
67-63-0	Isopropyl alcohol	60.10	110		35	1.5
75-15-0	Carbon disulfide	76.14	3.5	U	3.5	0.46
107-05-1	Allyl chloride	76.53	3.5	U	3.5	0.23
75-09-2	Methylene Chloride	84.93	80		3.5	0.86
75-65-0	tert-Butyl alcohol	74.12	35	U	35	2.3
1634-04-4	Methyl tert-butyl ether	88.15	1.4	U	1.4	0.15
156-60-5	trans-1,2-Dichloroethene	96.94	1.4	U	1.4	0.20
110-54-3	Hexane	86.17	1.4	U	1.4	0.23
75-34-3	1,1-Dichloroethane	98.96	1.4	U	1.4	0.26
78-93-3	Methyl Ethyl Ketone	72.11	3.5	U	3.5	1.7
156-59-2	cis-1,2-Dichloroethene	96.94	1.4	U	1.4	0.26
540-59-0	1,2-Dichloroethene, Total	96.94	1.4	U	1.4	0.44
67-66-3	Chloroform	119.38	4.9		1.4	0.17
109-99-9	Tetrahydrofuran	72.11	2.6	J	35	0.32
71-55-6	1,1,1-Trichloroethane	133.41	1.4	U	1.4	0.14
110-82-7	Cyclohexane	84.16	1.4	U	1.4	0.17
56-23-5	Carbon tetrachloride	153.81	0.28	U	0.28	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	1.4	U	1.4	0.19
71-43-2	Benzene	78.11	1.4	U	1.4	0.13
107-06-2	1,2-Dichloroethane	98.96	1.4	U	1.4	0.12
142-82-5	Heptane	100.21	1.4	U	1.4	0.32

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-5 Lab Sample ID: 200-20861-5

Matrix: Air Lab File ID: 6163_22.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:31

Sample wt/vol: 29(mL) Date Analyzed: 02/15/2014 10:17

Soil Aliquot Vol: Dilution Factor: 6.9

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.7		0.28	0.17
80-62-6	Methyl methacrylate	100.12	3.5	U	3.5	0.21
78-87-5	1,2-Dichloropropane	112.99	1.4	U	1.4	0.22
123-91-1	1,4-Dioxane	88.11	35	U	35	1.4
75-27-4	Bromodichloromethane	163.83	1.4	U	1.4	0.12
10061-01-5	cis-1,3-Dichloropropene	110.97	1.4	U	1.4	0.19
108-10-1	methyl isobutyl ketone	100.16	3.5	U	3.5	0.19
108-88-3	Toluene	92.14	0.83	J	1.4	0.12
10061-02-6	trans-1,3-Dichloropropene	110.97	1.4	U	1.4	0.15
79-00-5	1,1,2-Trichloroethane	133.41	1.4	U	1.4	0.12
127-18-4	Tetrachloroethene	165.83	1.1	J	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	3.5	U	3.5	1.4
124-48-1	Dibromochloromethane	208.29	1.4	U	1.4	0.14
106-93-4	1,2-Dibromoethane	187.87	1.4	U	1.4	0.14
108-90-7	Chlorobenzene	112.56	1.4	U	1.4	0.056
100-41-4	Ethylbenzene	106.17	1.4	U	1.4	0.090
179601-23-1	m,p-Xylene	106.17	0.73	J	3.5	0.16
95-47-6	Xylene, o-	106.17	0.22	J	1.4	0.11
1330-20-7	Xylene (total)	106.17	0.95	J	1.4	0.23
100-42-5	Styrene	104.15	1.4	U	1.4	0.12
75-25-2	Bromoform	252.75	1.4	U	1.4	0.069
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	1.4	U	1.4	0.55
622-96-8	4-Ethyltoluene	120.20	1.4	U	1.4	0.12
108-67-8	1,3,5-Trimethylbenzene	120.20	1.4	U	1.4	0.083
95-49-8	2-Chlorotoluene	126.59	1.4	U	1.4	0.090
98-06-6	tert-Butylbenzene	134.22	1.4	U	1.4	0.12
95-63-6	1,2,4-Trimethylbenzene	120.20	1.4	U	1.4	0.097
135-98-8	sec-Butylbenzene	134.22	1.4	U	1.4	0.55
99-87-6	4-Isopropyltoluene	134.22	1.4	U	1.4	0.55
541-73-1	1,3-Dichlorobenzene	147.00	1.4	U	1.4	0.097
106-46-7	1,4-Dichlorobenzene	147.00	1.4	U	1.4	0.097
100-44-7	Benzyl chloride	126.58	1.4	U	1.4	0.55
104-51-8	n-Butylbenzene	134.22	1.4	U	1.4	0.55

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-5 Lab Sample ID: 200-20861-5

Matrix: Air Lab File ID: 6163_22.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:31

Sample wt/vol: 29(mL) Date Analyzed: 02/15/2014 10:17

Soil Aliquot Vol: Dilution Factor: 6.9

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.4	U	1.4	0.097
120-82-1	1,2,4-Trichlorobenzene	181.45	3.5	U *	3.5	0.19
87-68-3	Hexachloro-1,3-butadiene	260.76	1.4	U	1.4	0.15
91-20-3	Naphthalene	128.17	3.5	U ^ *	3.5	1.4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-5 Lab Sample ID: 200-20861-5

Matrix: Air Lab File ID: 6163_22.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:31

Sample wt/vol: 29(mL) Date Analyzed: 02/15/2014 10:17

Soil Aliquot Vol: Dilution Factor: 6.9

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	3.1	J	17	1.0
75-45-6	Freon 22	86.47	11	J	12	1.2
76-14-2	Freon-114	170.92	9.6	U	9.6	1.7
74-87-3	Chloromethane	50.49	7.1	U	7.1	1.9
106-97-8	n-Butane	58.12	8.2	U	8.2	4.6
75-01-4	Vinyl chloride	62.50	0.71	U	0.71	0.67
106-99-0	1,3-Butadiene	54.09	3.1	U	3.1	0.64
74-83-9	Bromomethane	94.94	5.4	U	5.4	0.75
75-00-3	Chloroethane	64.52	9.1	U	9.1	0.55
593-60-2	Vinyl bromide	106.96	6.0	U	6.0	0.91
75-69-4	Freon 11	137.37	7.8	U	7.8	1.2
76-13-1	Freon 113	187.38	11	U	11	0.95
75-35-4	1,1-Dichloroethene	96.94	5.5	U	5.5	0.66
67-64-1	Acetone	58.08	82	U	82	21
67-63-0	Isopropyl alcohol	60.10	260		85	3.6
75-15-0	Carbon disulfide	76.14	11	U	11	1.4
107-05-1	Allyl chloride	76.53	11	U	11	0.73
75-09-2	Methylene Chloride	84.93	280		12	3.0
75-65-0	tert-Butyl alcohol	74.12	100	U	100	6.9
1634-04-4	Methyl tert-butyl ether	88.15	5.0	U	5.0	0.55
156-60-5	trans-1,2-Dichloroethene	96.94	5.5	U	5.5	0.79
110-54-3	Hexane	86.17	4.9	U	4.9	0.83
75-34-3	1,1-Dichloroethane	98.96	5.6	U	5.6	1.1
78-93-3	Methyl Ethyl Ketone	72.11	10	U	10	4.9
156-59-2	cis-1,2-Dichloroethene	96.94	5.5	U	5.5	1.0
540-59-0	1,2-Dichloroethene, Total	96.94	5.5	U	5.5	1.8
67-66-3	Chloroform	119.38	24		6.7	0.84
109-99-9	Tetrahydrofuran	72.11	7.6	J	100	0.94
71-55-6	1,1,1-Trichloroethane	133.41	7.5	U	7.5	0.79
110-82-7	Cyclohexane	84.16	4.8	U	4.8	0.59
56-23-5	Carbon tetrachloride	153.81	1.7	U	1.7	0.91
540-84-1	2,2,4-Trimethylpentane	114.23	6.4	U	6.4	0.87
71-43-2	Benzene	78.11	4.4	U	4.4	0.42
107-06-2	1,2-Dichloroethane	98.96	5.6	U	5.6	0.47
142-82-5	Heptane	100.21	5.7	U	5.7	1.3

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-5 Lab Sample ID: 200-20861-5

Matrix: Air Lab File ID: 6163_22.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:31

Sample wt/vol: 29(mL) Date Analyzed: 02/15/2014 10:17

Soil Aliquot Vol: Dilution Factor: 6.9

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	14		1.5	0.89
80-62-6	Methyl methacrylate	100.12	14	U	14	0.85
78-87-5	1,2-Dichloropropane	112.99	6.4	U	6.4	1.0
123-91-1	1,4-Dioxane	88.11	120	U	120	5.0
75-27-4	Bromodichloromethane	163.83	9.2	U	9.2	0.79
10061-01-5	cis-1,3-Dichloropropene	110.97	6.3	U	6.3	0.88
108-10-1	methyl isobutyl ketone	100.16	14	U	14	0.76
108-88-3	Toluene	92.14	3.1	J	5.2	0.44
10061-02-6	trans-1,3-Dichloropropene	110.97	6.3	U	6.3	0.69
79-00-5	1,1,2-Trichloroethane	133.41	7.5	U	7.5	0.64
127-18-4	Tetrachloroethene	165.83	7.6	J	9.4	0.75
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	14	U	14	5.7
124-48-1	Dibromochloromethane	208.29	12	U	12	1.2
106-93-4	1,2-Dibromoethane	187.87	11	U	11	1.1
108-90-7	Chlorobenzene	112.56	6.4	U	6.4	0.26
100-41-4	Ethylbenzene	106.17	6.0	U	6.0	0.39
179601-23-1	m,p-Xylene	106.17	3.2	J	15	0.69
95-47-6	Xylene, o-	106.17	0.95	J	6.0	0.48
1330-20-7	Xylene (total)	106.17	4.1	J	6.0	1.0
100-42-5	Styrene	104.15	5.9	U	5.9	0.53
75-25-2	Bromoform	252.75	14	U	14	0.71
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.5	U	9.5	0.76
103-65-1	n-Propylbenzene	120.19	6.8	U	6.8	2.7
622-96-8	4-Ethyltoluene	120.20	6.8	U	6.8	0.61
108-67-8	1,3,5-Trimethylbenzene	120.20	6.8	U	6.8	0.41
95-49-8	2-Chlorotoluene	126.59	7.1	U	7.1	0.46
98-06-6	tert-Butylbenzene	134.22	7.6	U	7.6	0.64
95-63-6	1,2,4-Trimethylbenzene	120.20	6.8	U	6.8	0.47
135-98-8	sec-Butylbenzene	134.22	7.6	U	7.6	3.0
99-87-6	4-Isopropyltoluene	134.22	7.6	U	7.6	3.0
541-73-1	1,3-Dichlorobenzene	147.00	8.3	U	8.3	0.58
106-46-7	1,4-Dichlorobenzene	147.00	8.3	U	8.3	0.58
100-44-7	Benzyl chloride	126.58	7.1	U	7.1	2.9
104-51-8	n-Butylbenzene	134.22	7.6	U	7.6	3.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-5 Lab Sample ID: 200-20861-5

Matrix: Air Lab File ID: 6163_22.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:31

Sample wt/vol: 29(mL) Date Analyzed: 02/15/2014 10:17

Soil Aliquot Vol: Dilution Factor: 6.9

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	8.3	U	8.3	0.58
120-82-1	1,2,4-Trichlorobenzene	181.45	26	U *	26	1.4
87-68-3	Hexachloro-1,3-butadiene	260.76	15	U	15	1.6
91-20-3	Naphthalene	128.17	18	U ^ *	18	7.2

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_22.D
Lims ID: 200-20861-A-5 Lab Sample ID: 200-20861-5
Client ID: SDS-5
Sample Type: Client
Inject. Date: 15-Feb-2014 10:17:30 ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 6.9000
Sample Info: 200-0006163-022
Operator ID: pad Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Feb-2014 15:14:45 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desjardinsb Date: 17-Feb-2014 15:14:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.261	3.261	0.0	69	5447	0.0895	
6 Chlorodifluoromethane	51	3.325	3.325	0.0	73	8359	0.4464	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.555					
8 Chloromethane	50		3.704					
9 Butane	43		3.923					
10 Vinyl chloride	62		3.976					
11 Butadiene	54		4.062					
12 Bromomethane	94		4.798					
13 Chloroethane	64		5.065					
15 Vinyl bromide	106		5.476					
16 Trichlorofluoromethane	101		5.583					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.725					
23 1,1-Dichloroethene	96		6.768					
25 Acetone	43		7.050					
26 Carbon disulfide	76		7.157					
28 Isopropyl alcohol	45	7.381	7.371	0.010	98	159400	15.3	
29 3-Chloro-1-propene	41		7.600					
31 Methylene Chloride	49	7.910	7.910	0.0	70	141960	11.7	
32 2-Methyl-2-propanol	59		8.177					
33 Methyl tert-butyl ether	73		8.331					
34 trans-1,2-Dichloroethene	61		8.358					
36 Hexane	57		8.748					
37 1,1-Dichloroethane	63	9.270	9.276	-0.006	1	736	0.0221	
S 39 1,2-Dichloroethene, Total	61		10.200					
40 cis-1,2-Dichloroethene	96		10.439					
41 2-Butanone (MEK)	72		10.519					
* 43 Chlorobromomethane	128	10.925	10.930	-0.005	66	361751	10.0	
44 Tetrahydrofuran	42	10.994	10.946	0.048	70	4518	0.3748	
45 Chloroform	83	11.069	11.069	0.0	95	44855	0.7036	
46 Cyclohexane	84		11.304					
47 1,1,1-Trichloroethane	97		11.347					
49 Carbon tetrachloride	117		11.597					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	50	Isooctane		57		12.062				
	51	Benzene		78		12.104				
	52	1,2-Dichloroethane		62		12.307				
	53	n-Heptane		43		12.473				
*	54	1,4-Difluorobenzene		114	12.996	13.001	-0.005	92	1870755	10.0
	56	Trichloroethene		95	13.476	13.481	-0.005	88	19518	0.3894
	58	1,2-Dichloropropane		63		14.079				
	59	Methyl methacrylate		69		14.261				
	60	1,4-Dioxane		88		14.330				
	62	Dichlorobromomethane		83		14.650				
	64	cis-1,3-Dichloropropene		75		15.611				
	65	4-Methyl-2-pentanone (MIBK)		43		15.920				
	66	Toluene		92	16.203	16.209	-0.006	73	10271	0.1210
	70	trans-1,3-Dichloropropene		75		16.822				
	71	1,1,2-Trichloroethane		83		17.201				
	72	Tetrachloroethene		166	17.286	17.287	-0.001	85	12096	0.1632
	73	2-Hexanone		43		17.660				
	74	Chlorodibromomethane		129		17.970				
	75	Ethylene Dibromide		107		18.247				
*	76	Chlorobenzene-d5		117	19.138	19.144	-0.006	83	1723068	10.0
	77	Chlorobenzene		112		19.203				
	79	Ethylbenzene		91		19.352				
	81	m-Xylene & p-Xylene		106	19.597	19.603	-0.006	87	8055	0.1062
S	82	Xylenes, Total		106		20.100				
	83	o-Xylene		106	20.403	20.409	-0.006	26	2361	0.0318
	84	Styrene		104		20.457				
	85	Bromoform		173		20.857				
$	87	4-Bromofluorobenzene		95	21.391	21.396	-0.005	93	1240012	NC
	88	1,1,2,2-Tetrachloroethane		83		21.663				
	89	N-Propylbenzene		91		21.722				
	92	4-Ethyltoluene		105		21.903				
	93	2-Chlorotoluene		91		21.919				
	94	1,3,5-Trimethylbenzene		105		22.004				
	96	tert-Butylbenzene		119		22.474				
	97	1,2,4-Trimethylbenzene		105		22.565				
	98	sec-Butylbenzene		105		22.789				
	99	4-Isopropyltoluene		119		22.986				
	100	1,3-Dichlorobenzene		146		23.024				
	101	1,4-Dichlorobenzene		146		23.163				
	102	Benzyl chloride		91		23.371				
	103	n-Butylbenzene		91		23.573				
	105	1,2-Dichlorobenzene		146		23.718				
	107	1,2,4-Trichlorobenzene		180		26.349				
	108	Hexachlorobutadiene		225		26.541				
	109	Naphthalene		128		26.877				

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

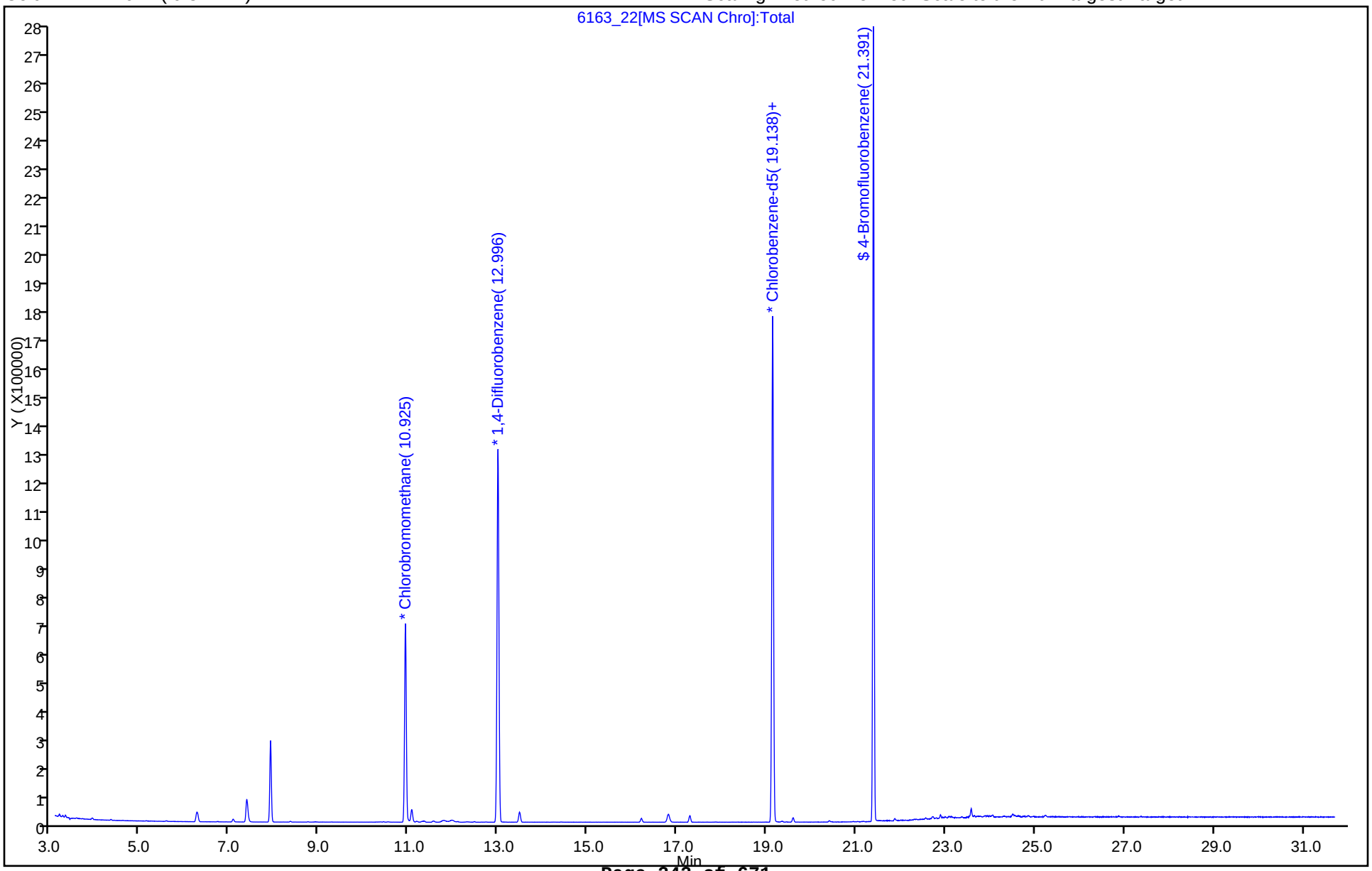
Report Date: 17-Feb-2014 15:14:45 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_22.D

Injection Date:	15-Feb-2014 10:17:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	200-20861-A-5	Lab Sample ID:	200-20861-5	Worklist Smp#:	22
Client ID:	SDS-5				
Purge Vol:	200.000 mL	Dil. Factor:	6.9000	ALS Bottle#:	20
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



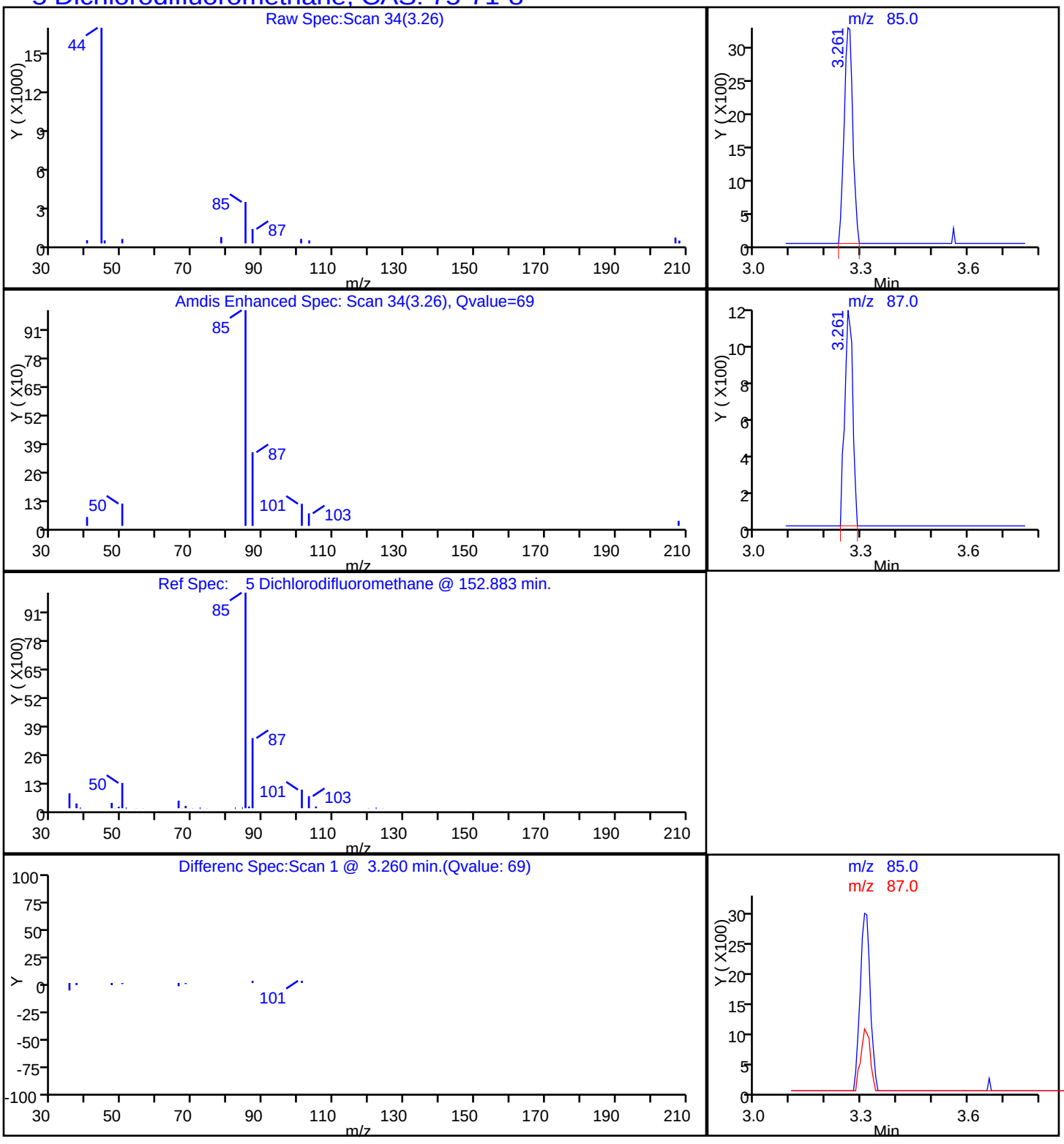
Report Date: 17-Feb-2014 15:14:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_22.D

Injection Date:	15-Feb-2014 10:17:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-5	Lab Sample ID:	200-20861-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	20	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Dichlorodifluoromethane, CAS: 75-71-8



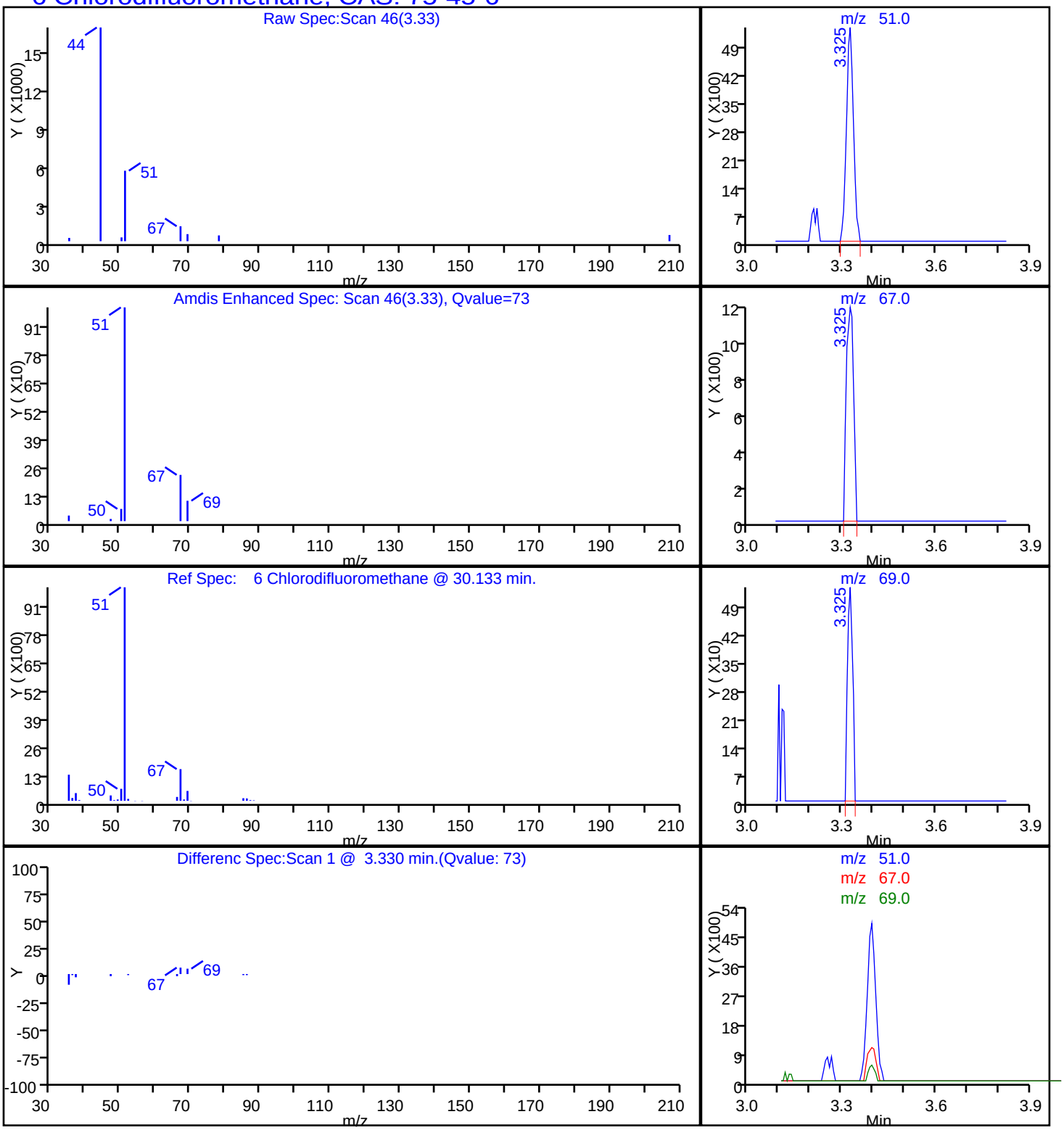
Report Date: 17-Feb-2014 15:14:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_22.D

Injection Date:	15-Feb-2014 10:17:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-5	Lab Sample ID:	200-20861-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	20	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



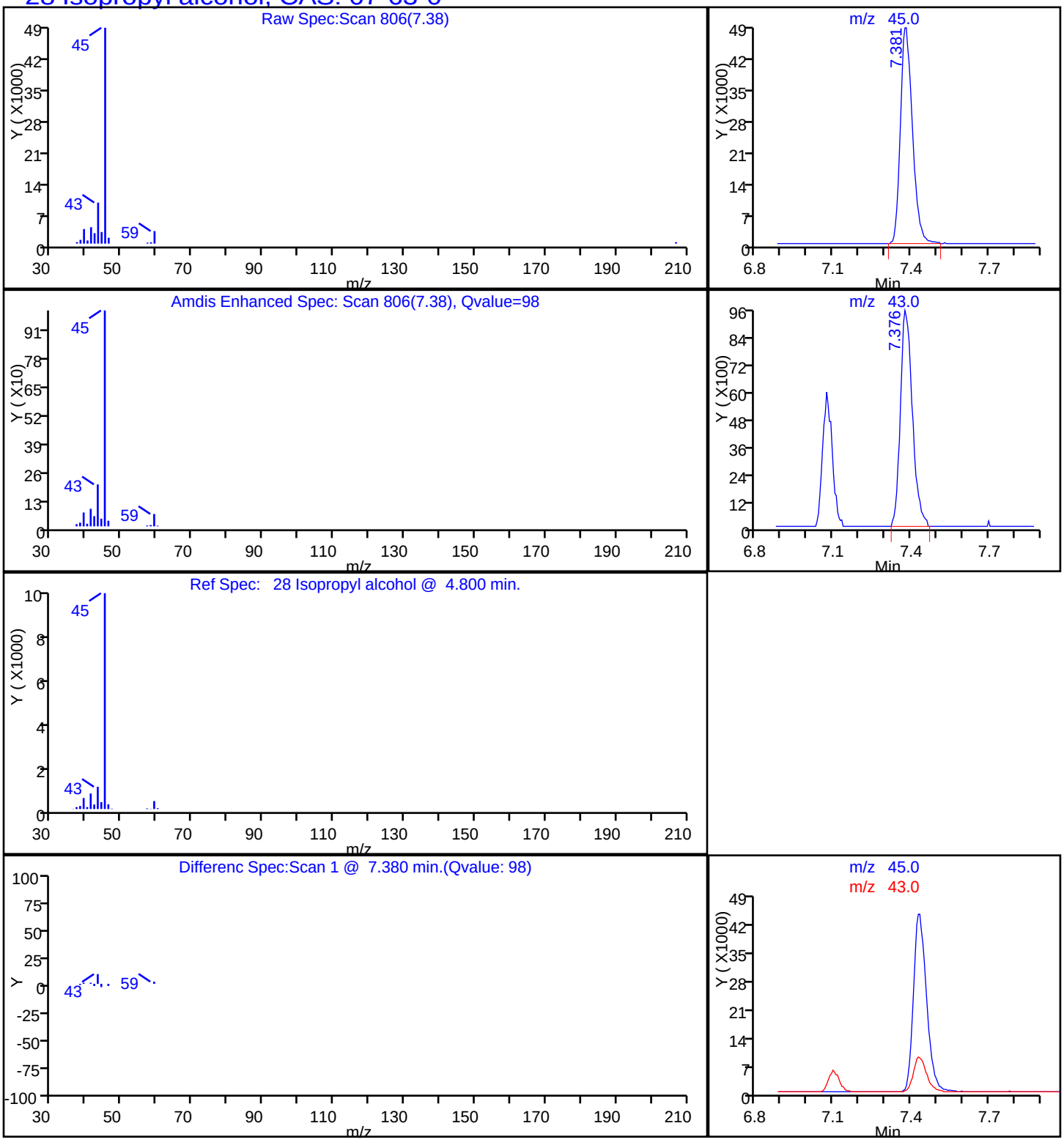
Report Date: 17-Feb-2014 15:14:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_22.D

Injection Date:	15-Feb-2014 10:17:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-5	Lab Sample ID:	200-20861-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	20	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 Isopropyl alcohol, CAS: 67-63-0



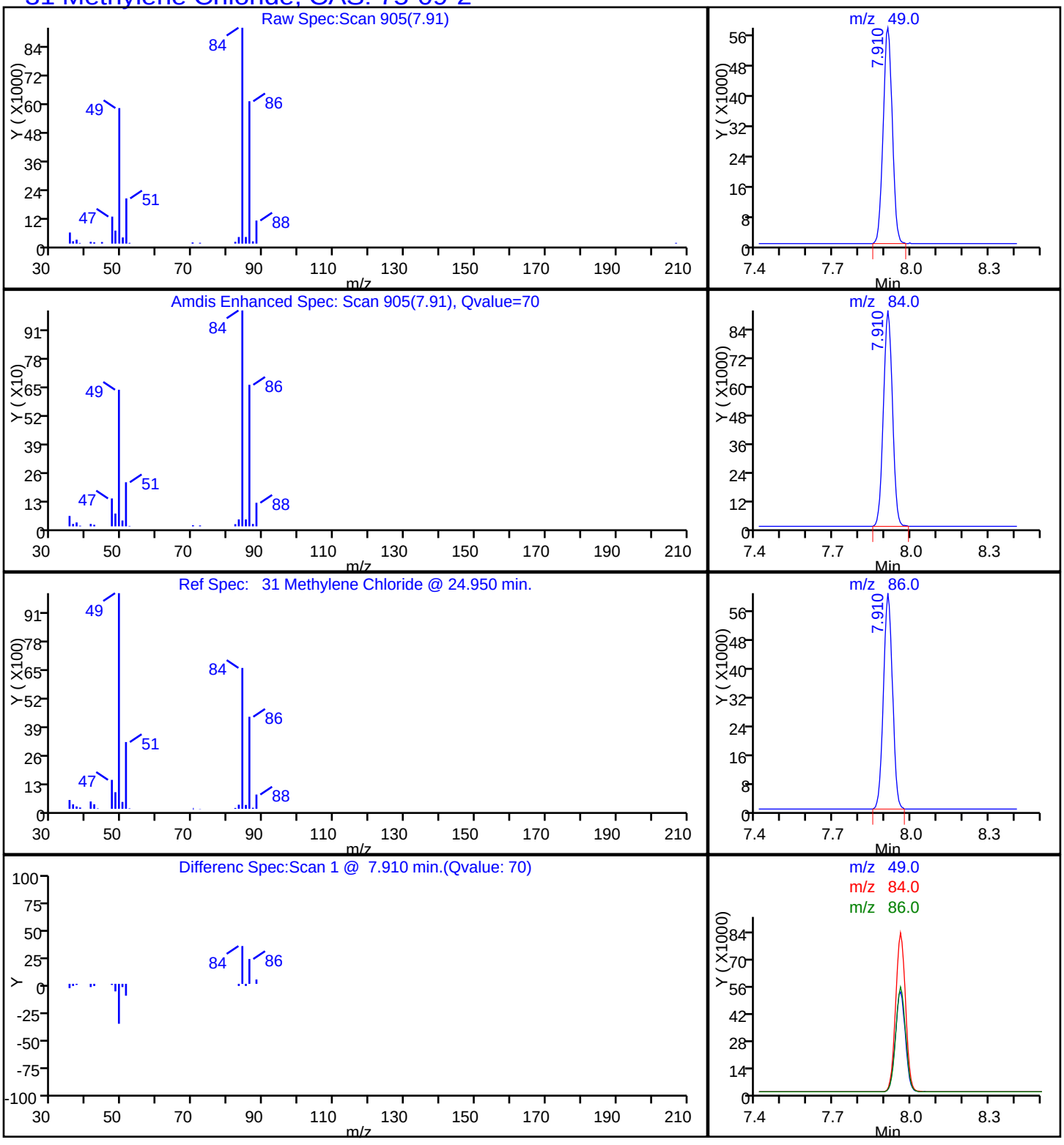
Report Date: 17-Feb-2014 15:14:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_22.D

Injection Date:	15-Feb-2014 10:17:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-5	Lab Sample ID:	200-20861-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	20	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



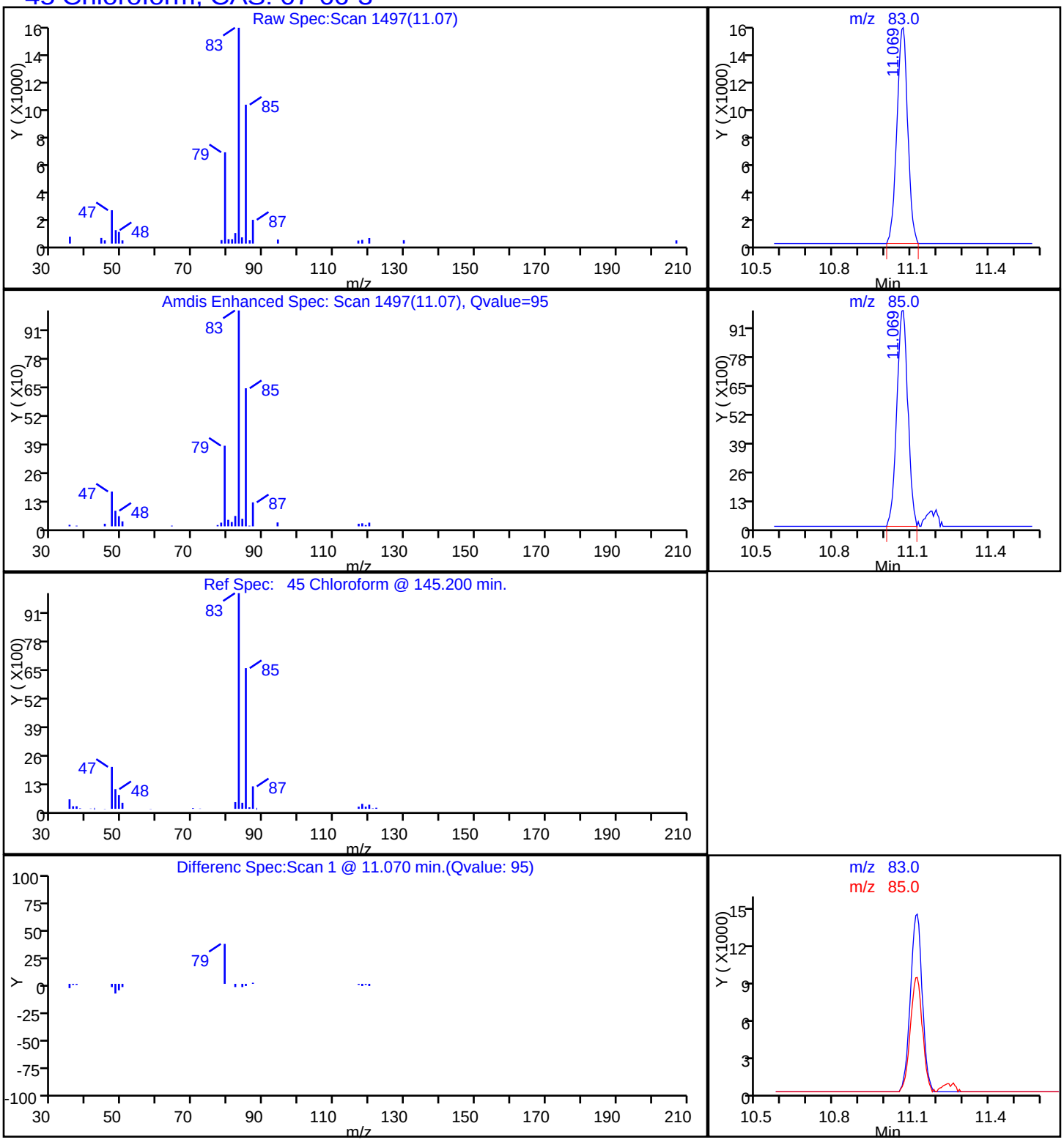
Report Date: 17-Feb-2014 15:14:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_22.D

Injection Date:	15-Feb-2014 10:17:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-5	Lab Sample ID:	200-20861-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	20	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



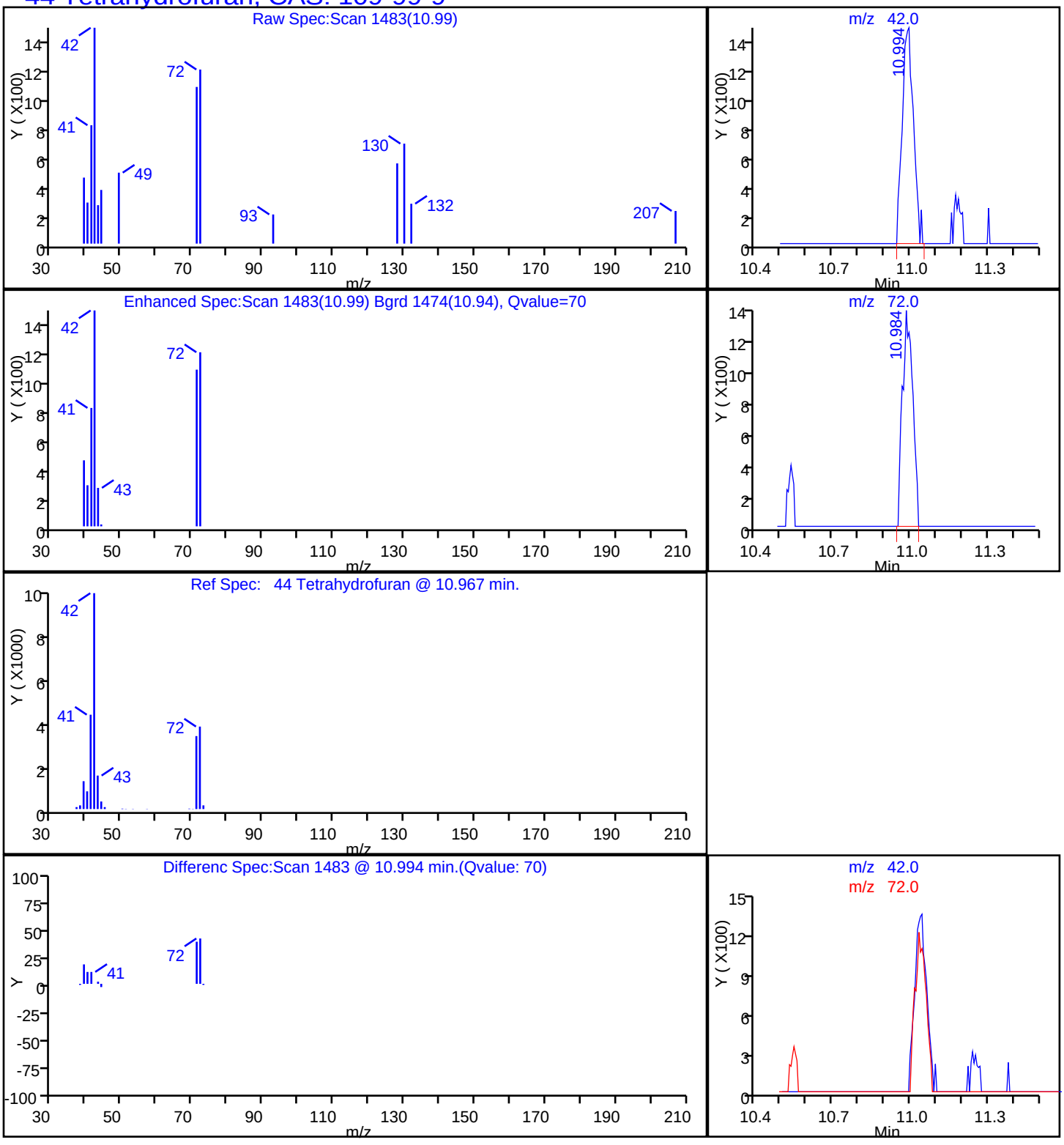
Report Date: 17-Feb-2014 15:14:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_22.D

Injection Date:	15-Feb-2014 10:17:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-5	Lab Sample ID:	200-20861-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	20	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Tetrahydrofuran, CAS: 109-99-9



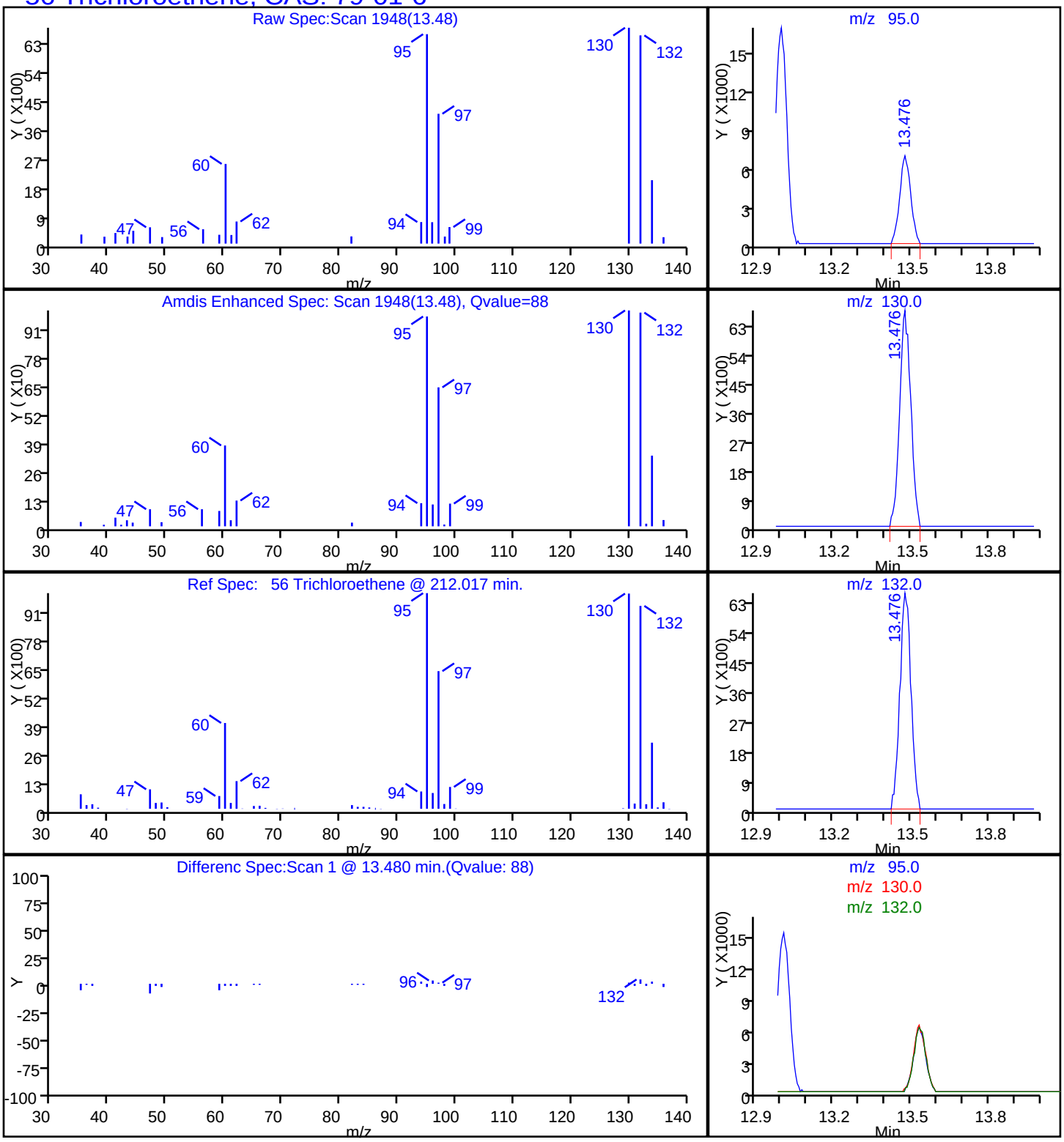
Report Date: 17-Feb-2014 15:14:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_22.D

Injection Date:	15-Feb-2014 10:17:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-5	Lab Sample ID:	200-20861-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	20	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



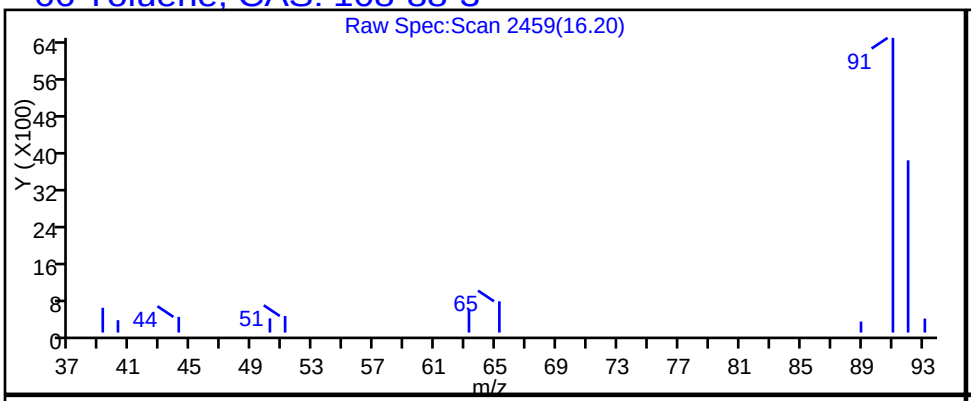
Report Date: 17-Feb-2014 15:14:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

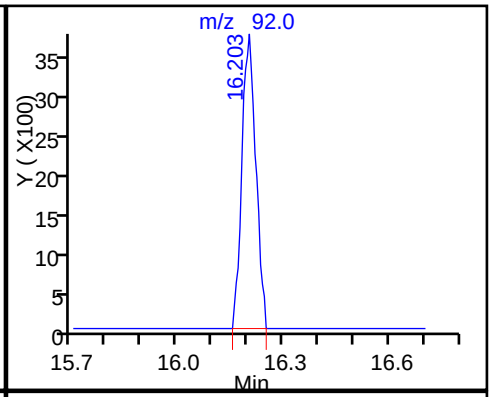
TestAmerica Burlington

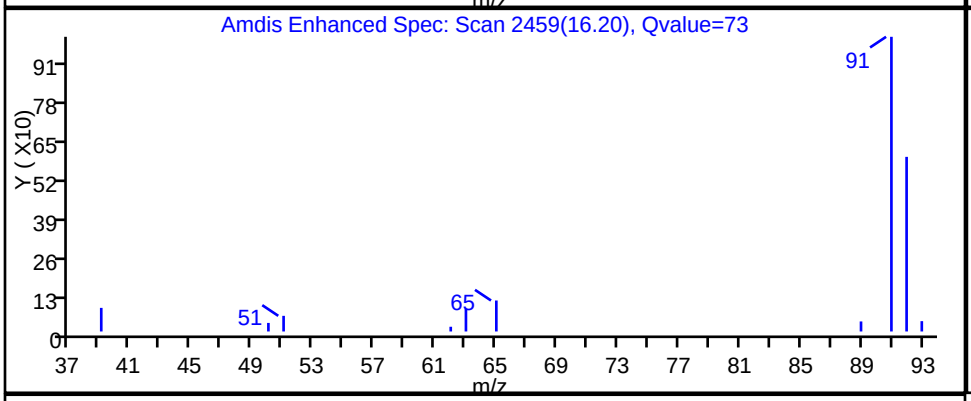
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_22.D

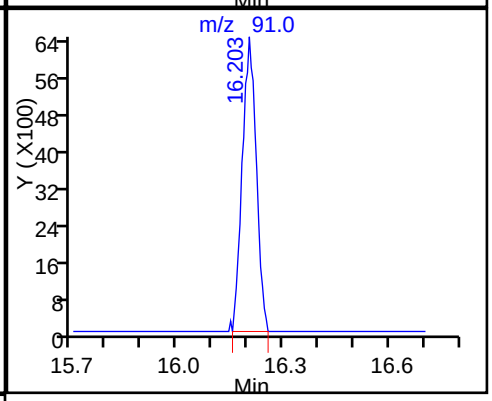
Injection Date:	15-Feb-2014 10:17:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-5	Lab Sample ID:	200-20861-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	20	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

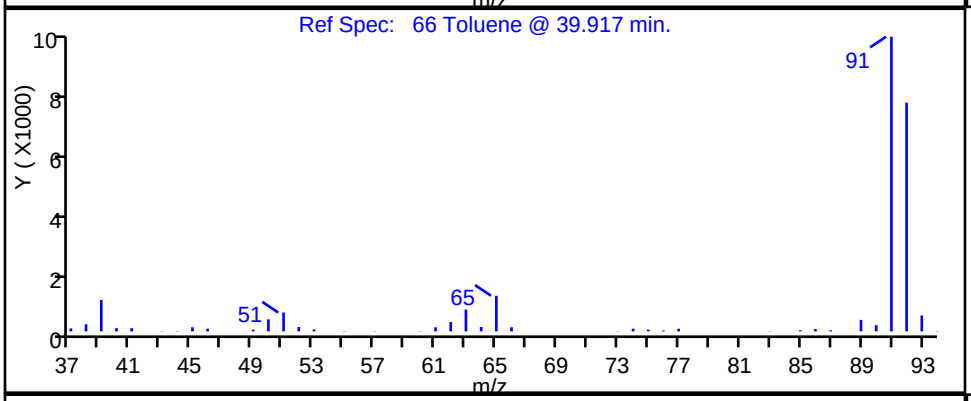
66 Toluene, CAS: 108-88-3

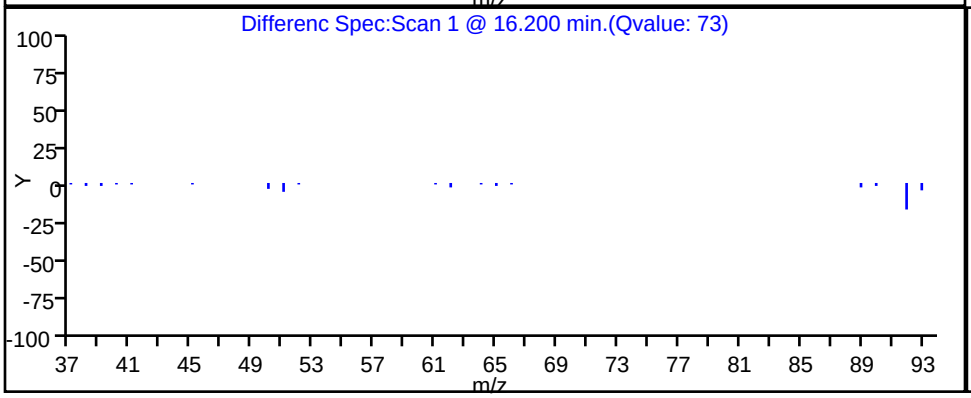


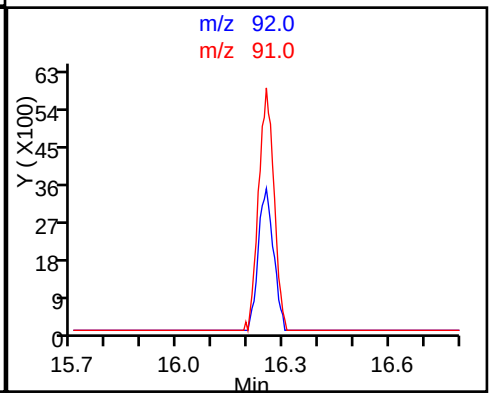












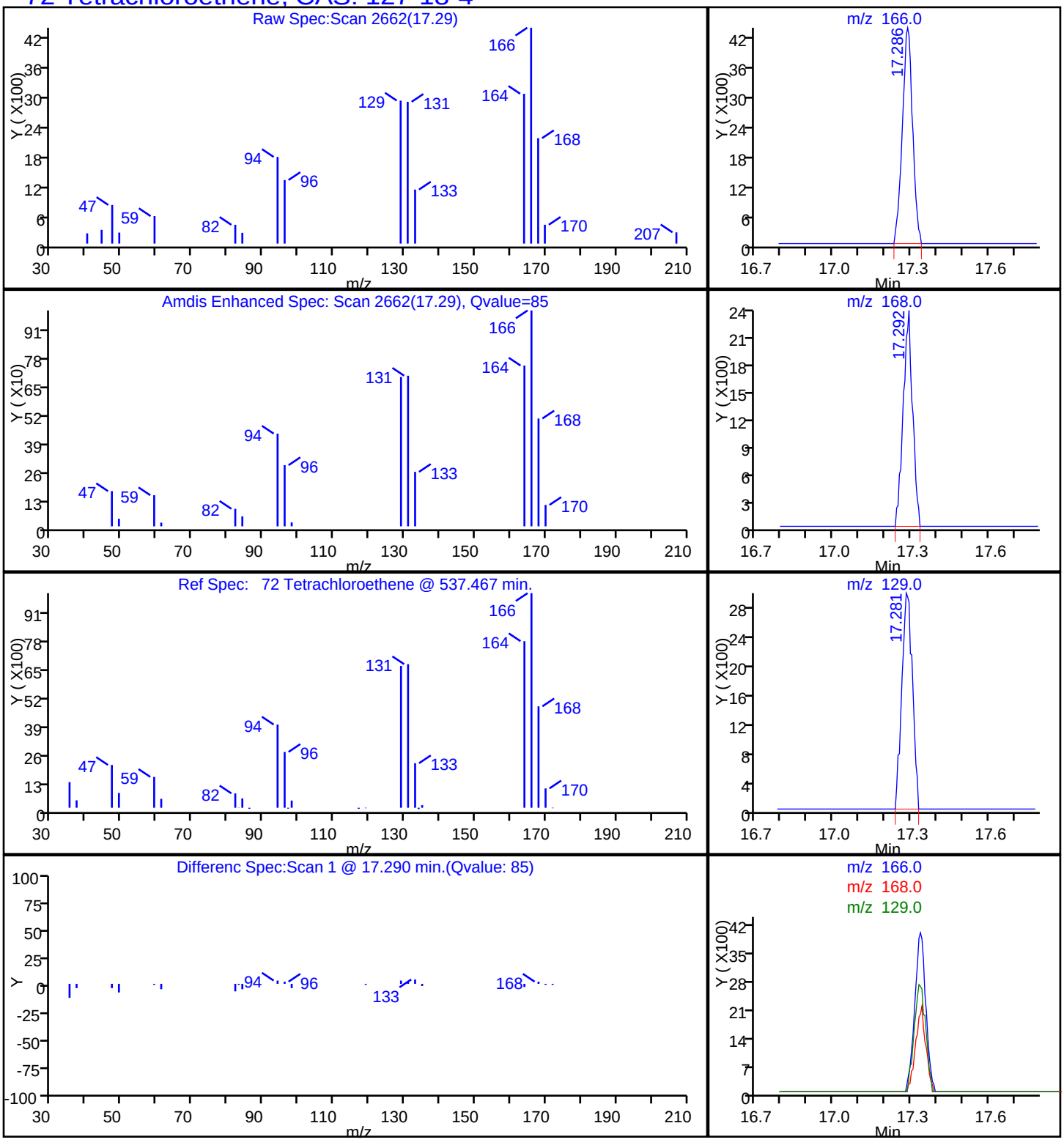
Report Date: 17-Feb-2014 15:14:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_22.D

Injection Date:	15-Feb-2014 10:17:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-5	Lab Sample ID:	200-20861-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	20	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



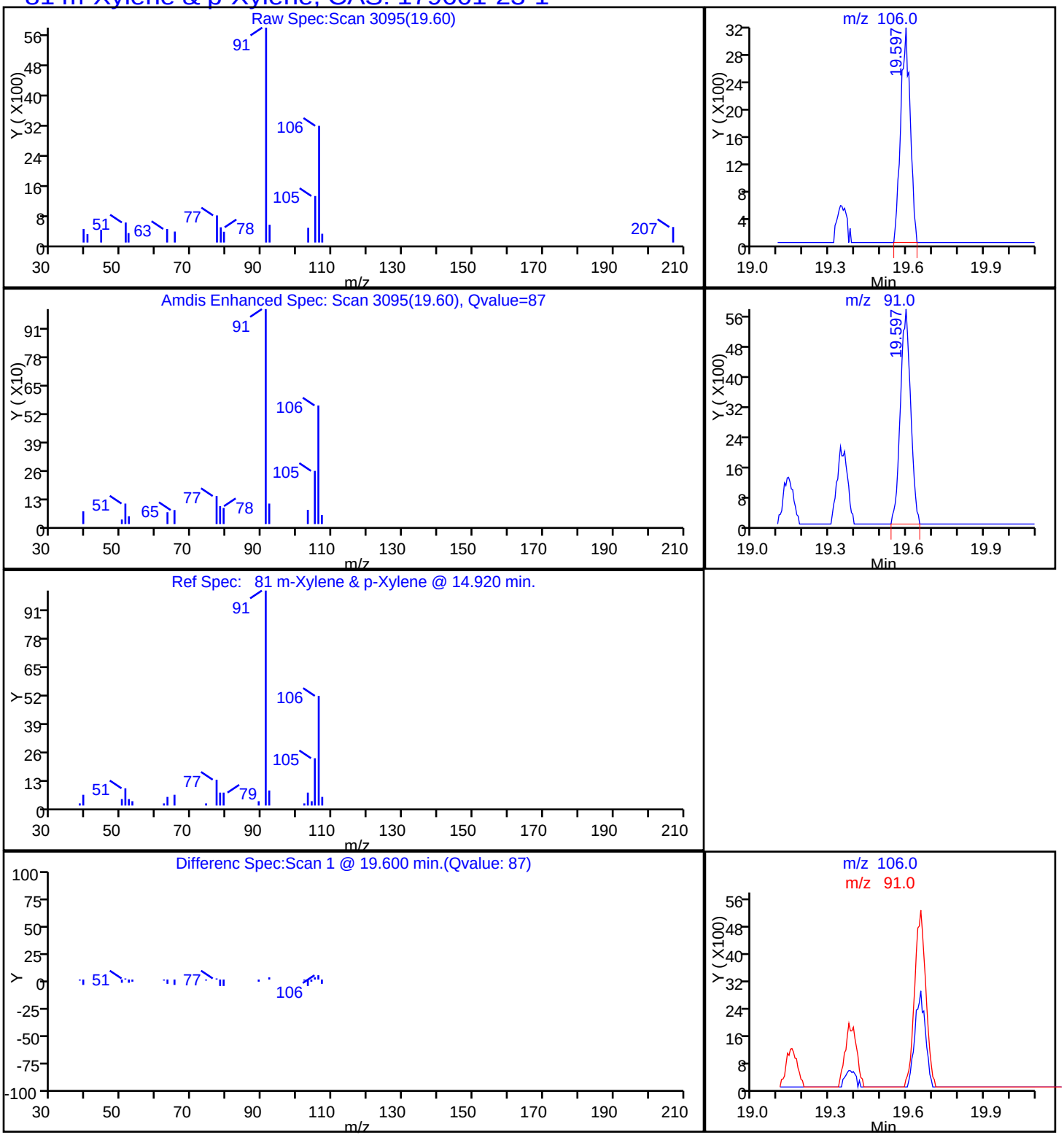
Report Date: 17-Feb-2014 15:14:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_22.D

Injection Date:	15-Feb-2014 10:17:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-5	Lab Sample ID:	200-20861-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	20	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



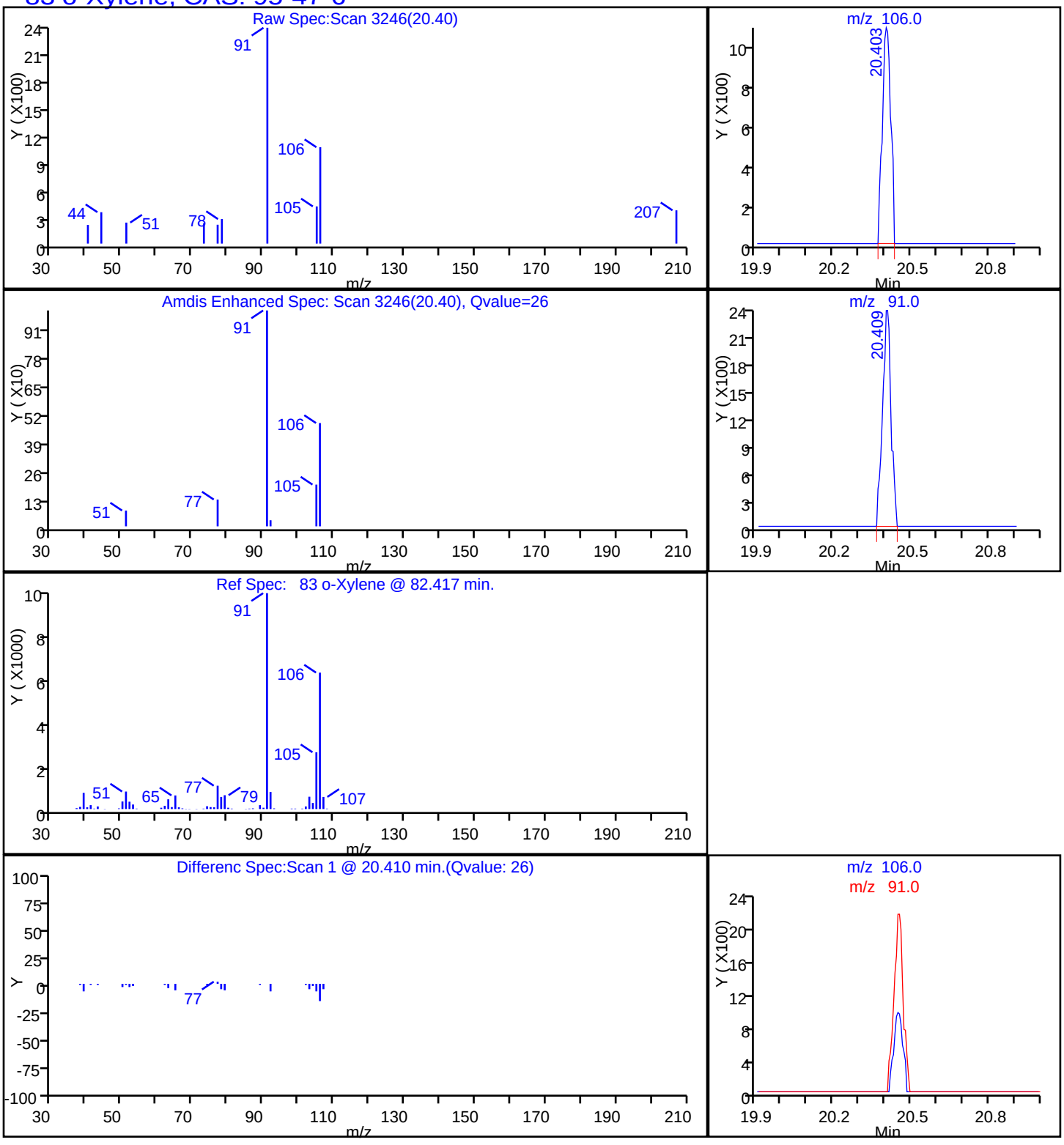
Report Date: 17-Feb-2014 15:14:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_22.D

Injection Date:	15-Feb-2014 10:17:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-5	Lab Sample ID:	200-20861-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	20	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-6 Lab Sample ID: 200-20861-6

Matrix: Air Lab File ID: 6208_07.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:21

Sample wt/vol: 167(mL) Date Analyzed: 02/18/2014 17:36

Soil Aliquot Vol: Dilution Factor: 22

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	11	U	11	0.66
75-45-6	Freon 22	86.47	1.9	J	11	1.1
76-14-2	Freon-114	170.92	4.4	U	4.4	0.77
74-87-3	Chloromethane	50.49	11	U	11	3.0
106-97-8	n-Butane	58.12	11	U	11	6.2
75-01-4	Vinyl chloride	62.50	0.88	U	0.88	0.84
106-99-0	1,3-Butadiene	54.09	4.4	U	4.4	0.92
74-83-9	Bromomethane	94.94	4.4	U	4.4	0.62
75-00-3	Chloroethane	64.52	11	U	11	0.66
593-60-2	Vinyl bromide	106.96	4.4	U	4.4	0.66
75-69-4	Freon 11	137.37	4.4	U	4.4	0.66
76-13-1	Freon 113	187.38	4.4	U	4.4	0.40
75-35-4	1,1-Dichloroethene	96.94	4.4	U	4.4	0.53
67-64-1	Acetone	58.08	110	U	110	28
67-63-0	Isopropyl alcohol	60.10	760		110	4.7
75-15-0	Carbon disulfide	76.14	11	U	11	1.5
107-05-1	Allyl chloride	76.53	11	U	11	0.75
75-09-2	Methylene Chloride	84.93	170		11	2.8
75-65-0	tert-Butyl alcohol	74.12	110	U	110	7.2
1634-04-4	Methyl tert-butyl ether	88.15	4.4	U	4.4	0.48
156-60-5	trans-1,2-Dichloroethene	96.94	4.4	U	4.4	0.64
110-54-3	Hexane	86.17	4.4	U	4.4	0.75
75-34-3	1,1-Dichloroethane	98.96	4.4	U	4.4	0.84
78-93-3	Methyl Ethyl Ketone	72.11	11	U	11	5.3
156-59-2	cis-1,2-Dichloroethene	96.94	4.4	U	4.4	0.84
540-59-0	1,2-Dichloroethene, Total	96.94	4.4	U	4.4	1.4
67-66-3	Chloroform	119.38	10		4.4	0.55
109-99-9	Tetrahydrofuran	72.11	14	J	110	1.0
71-55-6	1,1,1-Trichloroethane	133.41	4.4	U	4.4	0.46
110-82-7	Cyclohexane	84.16	4.4	U	4.4	0.55
56-23-5	Carbon tetrachloride	153.81	0.88	U	0.88	0.46
540-84-1	2,2,4-Trimethylpentane	114.23	4.4	U	4.4	0.59
71-43-2	Benzene	78.11	4.4	U	4.4	0.42
107-06-2	1,2-Dichloroethane	98.96	4.4	U	4.4	0.37
142-82-5	Heptane	100.21	4.4	U	4.4	1.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-6 Lab Sample ID: 200-20861-6

Matrix: Air Lab File ID: 6208_07.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:21

Sample wt/vol: 167(mL) Date Analyzed: 02/18/2014 17:36

Soil Aliquot Vol: Dilution Factor: 22

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.80	J	0.88	0.53
80-62-6	Methyl methacrylate	100.12	11	U	11	0.66
78-87-5	1,2-Dichloropropane	112.99	4.4	U	4.4	0.70
123-91-1	1,4-Dioxane	88.11	110	U	110	4.4
75-27-4	Bromodichloromethane	163.83	4.4	U	4.4	0.37
10061-01-5	cis-1,3-Dichloropropene	110.97	4.4	U	4.4	0.62
108-10-1	methyl isobutyl ketone	100.16	11	U	11	0.59
108-88-3	Toluene	92.14	3.8	J	4.4	0.37
10061-02-6	trans-1,3-Dichloropropene	110.97	4.4	U	4.4	0.48
79-00-5	1,1,2-Trichloroethane	133.41	4.4	U	4.4	0.37
127-18-4	Tetrachloroethene	165.83	2.7	J	4.4	0.35
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	11	U	11	4.4
124-48-1	Dibromochloromethane	208.29	4.4	U	4.4	0.44
106-93-4	1,2-Dibromoethane	187.87	4.4	U	4.4	0.44
108-90-7	Chlorobenzene	112.56	4.4	U	4.4	0.18
100-41-4	Ethylbenzene	106.17	4.4	U	4.4	0.29
179601-23-1	m,p-Xylene	106.17	11	U	11	0.51
95-47-6	Xylene, o-	106.17	4.4	U	4.4	0.35
1330-20-7	Xylene (total)	106.17	4.4	U	4.4	0.75
100-42-5	Styrene	104.15	4.4	U	4.4	0.40
75-25-2	Bromoform	252.75	4.4	U	4.4	0.22
79-34-5	1,1,2,2-Tetrachloroethane	167.85	4.4	U	4.4	0.35
103-65-1	n-Propylbenzene	120.19	4.4	U	4.4	1.8
622-96-8	4-Ethyltoluene	120.20	4.4	U	4.4	0.40
108-67-8	1,3,5-Trimethylbenzene	120.20	4.4	U	4.4	0.26
95-49-8	2-Chlorotoluene	126.59	4.4	U	4.4	0.29
98-06-6	tert-Butylbenzene	134.22	4.4	U	4.4	0.37
95-63-6	1,2,4-Trimethylbenzene	120.20	4.4	U	4.4	0.31
135-98-8	sec-Butylbenzene	134.22	4.4	U	4.4	1.8
99-87-6	4-Isopropyltoluene	134.22	4.4	U	4.4	1.8
541-73-1	1,3-Dichlorobenzene	147.00	4.4	U	4.4	0.31
106-46-7	1,4-Dichlorobenzene	147.00	4.4	U	4.4	0.31
100-44-7	Benzyl chloride	126.58	4.4	U	4.4	1.8
104-51-8	n-Butylbenzene	134.22	4.4	U	4.4	1.8

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-6 Lab Sample ID: 200-20861-6

Matrix: Air Lab File ID: 6208_07.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:21

Sample wt/vol: 167(mL) Date Analyzed: 02/18/2014 17:36

Soil Aliquot Vol: Dilution Factor: 22

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	4.4	U	4.4	0.31
120-82-1	1,2,4-Trichlorobenzene	181.45	11	U *	11	0.59
87-68-3	Hexachloro-1,3-butadiene	260.76	4.4	U	4.4	0.48
91-20-3	Naphthalene	128.17	11	U ^ *	11	4.4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-6 Lab Sample ID: 200-20861-6

Matrix: Air Lab File ID: 6208_07.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:21

Sample wt/vol: 167(mL) Date Analyzed: 02/18/2014 17:36

Soil Aliquot Vol: Dilution Factor: 22

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	54	U	54	3.3
75-45-6	Freon 22	86.47	6.7	J	39	3.7
76-14-2	Freon-114	170.92	31	U	31	5.4
74-87-3	Chloromethane	50.49	23	U	23	6.2
106-97-8	n-Butane	58.12	26	U	26	15
75-01-4	Vinyl chloride	62.50	2.2	U	2.2	2.1
106-99-0	1,3-Butadiene	54.09	9.7	U	9.7	2.0
74-83-9	Bromomethane	94.94	17	U	17	2.4
75-00-3	Chloroethane	64.52	29	U	29	1.7
593-60-2	Vinyl bromide	106.96	19	U	19	2.9
75-69-4	Freon 11	137.37	25	U	25	3.7
76-13-1	Freon 113	187.38	34	U	34	3.0
75-35-4	1,1-Dichloroethene	96.94	17	U	17	2.1
67-64-1	Acetone	58.08	260	U	260	65
67-63-0	Isopropyl alcohol	60.10	1900		270	12
75-15-0	Carbon disulfide	76.14	34	U	34	4.5
107-05-1	Allyl chloride	76.53	34	U	34	2.3
75-09-2	Methylene Chloride	84.93	590		38	9.6
75-65-0	tert-Butyl alcohol	74.12	330	U	330	22
1634-04-4	Methyl tert-butyl ether	88.15	16	U	16	1.7
156-60-5	trans-1,2-Dichloroethene	96.94	17	U	17	2.5
110-54-3	Hexane	86.17	16	U	16	2.6
75-34-3	1,1-Dichloroethane	98.96	18	U	18	3.4
78-93-3	Methyl Ethyl Ketone	72.11	32	U	32	16
156-59-2	cis-1,2-Dichloroethene	96.94	17	U	17	3.3
540-59-0	1,2-Dichloroethene, Total	96.94	17	U	17	5.6
67-66-3	Chloroform	119.38	50		21	2.7
109-99-9	Tetrahydrofuran	72.11	42	J	320	3.0
71-55-6	1,1,1-Trichloroethane	133.41	24	U	24	2.5
110-82-7	Cyclohexane	84.16	15	U	15	1.9
56-23-5	Carbon tetrachloride	153.81	5.5	U	5.5	2.9
540-84-1	2,2,4-Trimethylpentane	114.23	21	U	21	2.8
71-43-2	Benzene	78.11	14	U	14	1.3
107-06-2	1,2-Dichloroethane	98.96	18	U	18	1.5
142-82-5	Heptane	100.21	18	U	18	4.1

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-6 Lab Sample ID: 200-20861-6

Matrix: Air Lab File ID: 6208_07.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:21

Sample wt/vol: 167(mL) Date Analyzed: 02/18/2014 17:36

Soil Aliquot Vol: Dilution Factor: 22

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	4.3	J	4.7	2.8
80-62-6	Methyl methacrylate	100.12	45	U	45	2.7
78-87-5	1,2-Dichloropropane	112.99	20	U	20	3.3
123-91-1	1,4-Dioxane	88.11	400	U	400	16
75-27-4	Bromodichloromethane	163.83	29	U	29	2.5
10061-01-5	cis-1,3-Dichloropropene	110.97	20	U	20	2.8
108-10-1	methyl isobutyl ketone	100.16	45	U	45	2.4
108-88-3	Toluene	92.14	14	J	17	1.4
10061-02-6	trans-1,3-Dichloropropene	110.97	20	U	20	2.2
79-00-5	1,1,2-Trichloroethane	133.41	24	U	24	2.0
127-18-4	Tetrachloroethene	165.83	18	J	30	2.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	45	U	45	18
124-48-1	Dibromochloromethane	208.29	37	U	37	3.7
106-93-4	1,2-Dibromoethane	187.87	34	U	34	3.4
108-90-7	Chlorobenzene	112.56	20	U	20	0.82
100-41-4	Ethylbenzene	106.17	19	U	19	1.2
179601-23-1	m,p-Xylene	106.17	48	U	48	2.2
95-47-6	Xylene, o-	106.17	19	U	19	1.5
1330-20-7	Xylene (total)	106.17	19	U	19	3.2
100-42-5	Styrene	104.15	19	U	19	1.7
75-25-2	Bromoform	252.75	45	U	45	2.3
79-34-5	1,1,2,2-Tetrachloroethane	167.85	30	U	30	2.4
103-65-1	n-Propylbenzene	120.19	22	U	22	8.7
622-96-8	4-Ethyltoluene	120.20	22	U	22	1.9
108-67-8	1,3,5-Trimethylbenzene	120.20	22	U	22	1.3
95-49-8	2-Chlorotoluene	126.59	23	U	23	1.5
98-06-6	tert-Butylbenzene	134.22	24	U	24	2.1
95-63-6	1,2,4-Trimethylbenzene	120.20	22	U	22	1.5
135-98-8	sec-Butylbenzene	134.22	24	U	24	9.7
99-87-6	4-Isopropyltoluene	134.22	24	U	24	9.7
541-73-1	1,3-Dichlorobenzene	147.00	26	U	26	1.9
106-46-7	1,4-Dichlorobenzene	147.00	26	U	26	1.9
100-44-7	Benzyl chloride	126.58	23	U	23	9.1
104-51-8	n-Butylbenzene	134.22	24	U	24	9.7

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-6 Lab Sample ID: 200-20861-6

Matrix: Air Lab File ID: 6208_07.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:21

Sample wt/vol: 167(mL) Date Analyzed: 02/18/2014 17:36

Soil Aliquot Vol: Dilution Factor: 22

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	26	U	26	1.9
120-82-1	1,2,4-Trichlorobenzene	181.45	82	U *	82	4.4
87-68-3	Hexachloro-1,3-butadiene	260.76	47	U	47	5.2
91-20-3	Naphthalene	128.17	58	U ^ *	58	23

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_07.D
Lims ID: 200-20861-A-6 Lab Sample ID: 200-20861-6
Client ID: SDS-6
Sample Type: Client
Inject. Date: 18-Feb-2014 17:36:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 22.0000
Sample Info: 200-0006208-007
Misc. Info.: 20861-6
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Feb-2014 10:59:40 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: desjardinsb Date: 19-Feb-2014 10:59:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85		3.256					
6 Chlorodifluoromethane	51	3.320	3.320	0.0	29	1788	0.0862	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.549					
8 Chloromethane	50		3.699					
9 Butane	43		3.918					
10 Vinyl chloride	62		3.971					
11 Butadiene	54		4.056					
12 Bromomethane	94		4.798					
13 Chloroethane	64		5.054					
15 Vinyl bromide	106		5.471					
16 Trichlorofluoromethane	101		5.577					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.720					
23 1,1-Dichloroethene	96		6.762					
25 Acetone	43		7.045					
26 Carbon disulfide	76		7.152					
28 Isopropyl alcohol	45	7.360	7.360	0.0	98	397160	34.4	
29 3-Chloro-1-propene	41		7.595					
31 Methylene Chloride	49	7.904	7.904	0.0	70	104987	7.79	
32 2-Methyl-2-propanol	59		8.166					
33 Methyl tert-butyl ether	73		8.321					
34 trans-1,2-Dichloroethene	61		8.353					
36 Hexane	57		8.748					
37 1,1-Dichloroethane	63		9.271					
S 39 1,2-Dichloroethene, Total	61		10.200					
40 cis-1,2-Dichloroethene	96		10.434					
41 2-Butanone (MEK)	72		10.514					
* 43 Chlorobromomethane	128	10.925	10.925	0.0	64	400837	10.0	
44 Tetrahydrofuran	42	10.957	10.941	0.016	68	8969	0.6464	
45 Chloroform	83	11.064	11.064	0.0	88	32716	0.4631	
46 Cyclohexane	84		11.299					
47 1,1,1-Trichloroethane	97		11.341					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	49 Carbon tetrachloride	117		11.597					
	50 Isooctane	57		12.051					
	51 Benzene	78		12.099					
	52 1,2-Dichloroethane	62		12.307					
	53 n-Heptane	43		12.462					
*	54 1,4-Difluorobenzene	114	12.990	12.996	-0.006	92	2153562	10.0	
	56 Trichloroethene	95	13.481	13.476	0.005	33	2097	0.0363	
	58 1,2-Dichloropropane	63		14.074					
	59 Methyl methacrylate	69		14.255					
	60 1,4-Dioxane	88		14.319					
	62 Dichlorobromomethane	83		14.645					
	64 cis-1,3-Dichloropropene	75		15.605					
	65 4-Methyl-2-pentanone (MIBK)	43		15.915					
	66 Toluene	92	16.203	16.203	0.0	76	16655	0.1721	
	70 trans-1,3-Dichloropropene	75		16.817					
	71 1,1,2-Trichloroethane	83		17.196					
	72 Tetrachloroethene	166	17.287	17.287	0.0	79	10406	0.1231	
	73 2-Hexanone	43		17.655					
	74 Chlorodibromomethane	129		17.964					
	75 Ethylene Dibromide	107		18.242					
*	76 Chlorobenzene-d5	117	19.133	19.139	-0.006	81	1965002	10.0	
	77 Chlorobenzene	112		19.197					
	79 Ethylbenzene	91		19.347					
	81 m-Xylene & p-Xylene	106		19.598					
S	82 Xylenes, Total	106		20.100					
	83 o-Xylene	106		20.403					
	84 Styrene	104		20.457					
	85 Bromoform	173		20.852					
$	87 4-Bromofluorobenzene	95	21.391	21.391	0.0	95	1385947	NC	
	88 1,1,2,2-Tetrachloroethane	83		21.658					
	89 N-Propylbenzene	91		21.722					
	92 4-Ethyltoluene	105		21.898					
	93 2-Chlorotoluene	91		21.914					
	94 1,3,5-Trimethylbenzene	105		21.999					
	96 tert-Butylbenzene	119		22.474					
	97 1,2,4-Trimethylbenzene	105		22.565					
	98 sec-Butylbenzene	105		22.784					
	99 4-Isopropyltoluene	119		22.981					
	100 1,3-Dichlorobenzene	146		23.018					
	101 1,4-Dichlorobenzene	146		23.157					
	102 Benzyl chloride	91		23.365					
	103 n-Butylbenzene	91		23.573					
	105 1,2-Dichlorobenzene	146		23.712					
	107 1,2,4-Trichlorobenzene	180		26.343					
	108 Hexachlorobutadiene	225		26.530					
	109 Naphthalene	128		26.872					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

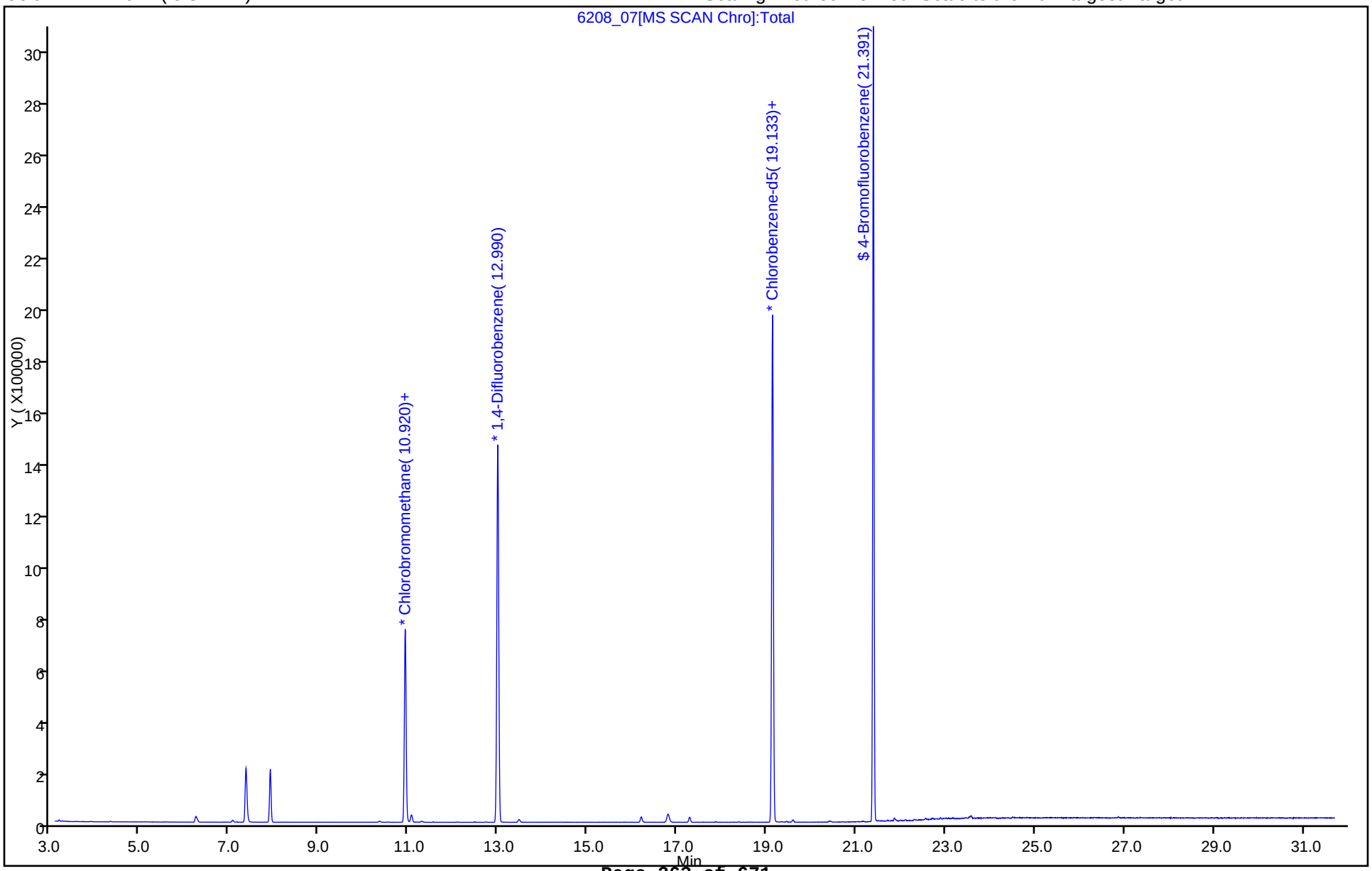
Report Date: 19-Feb-2014 10:59:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_07.D

Injection Date:	18-Feb-2014 17:36:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-20861-A-6	Lab Sample ID:	200-20861-6	Worklist Smp#:	7
Client ID:	SDS-6				
Purge Vol:	200.000 mL	Dil. Factor:	22.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



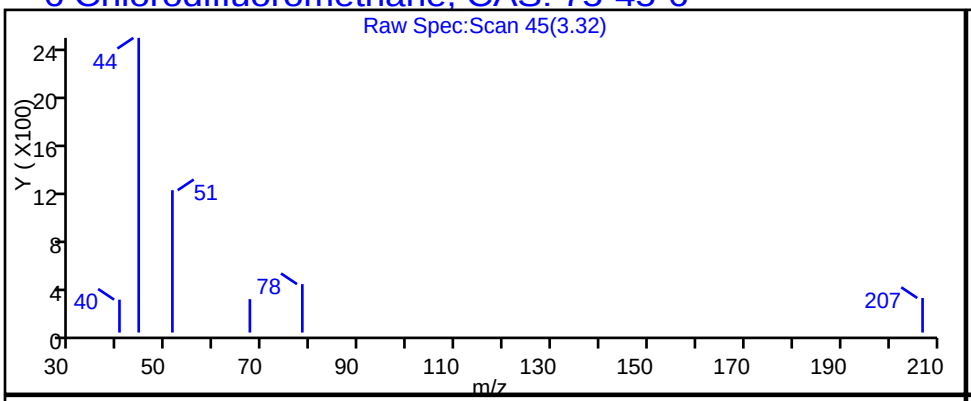
Report Date: 19-Feb-2014 10:59:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

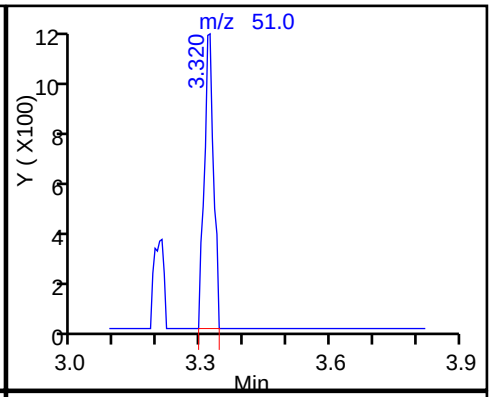
TestAmerica Burlington

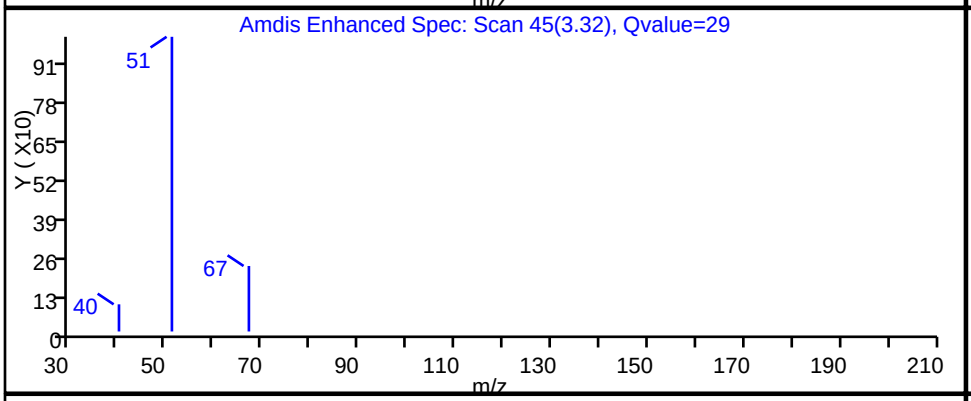
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_07.D

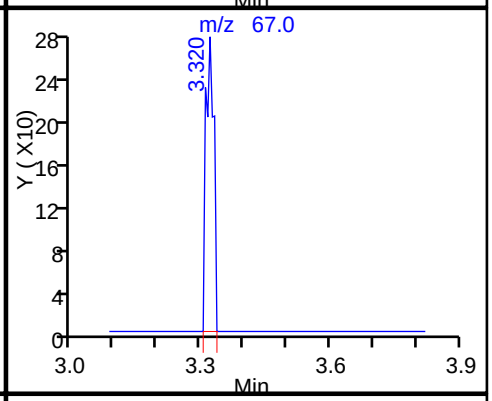
Injection Date:	18-Feb-2014 17:36:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-6	Lab Sample ID:	200-20861-6		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	22.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

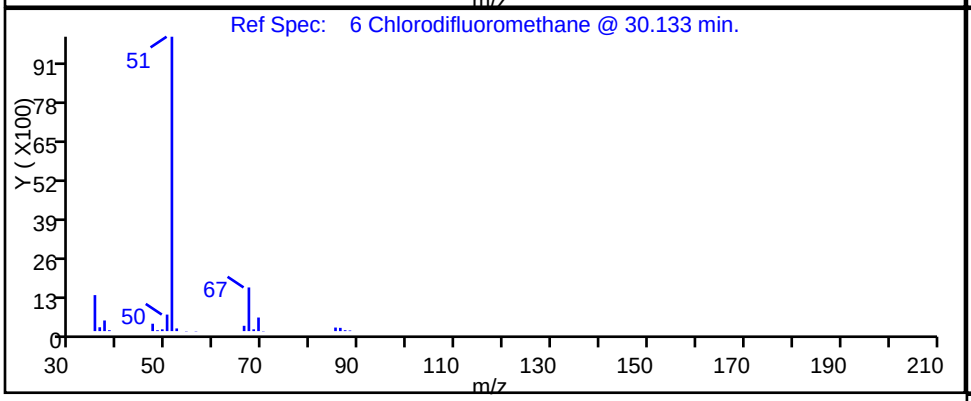
6 Chlorodifluoromethane, CAS: 75-45-6

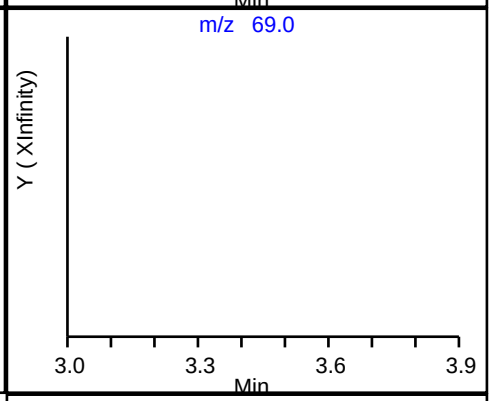


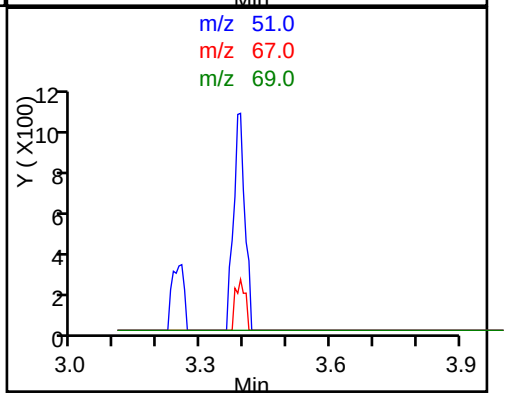












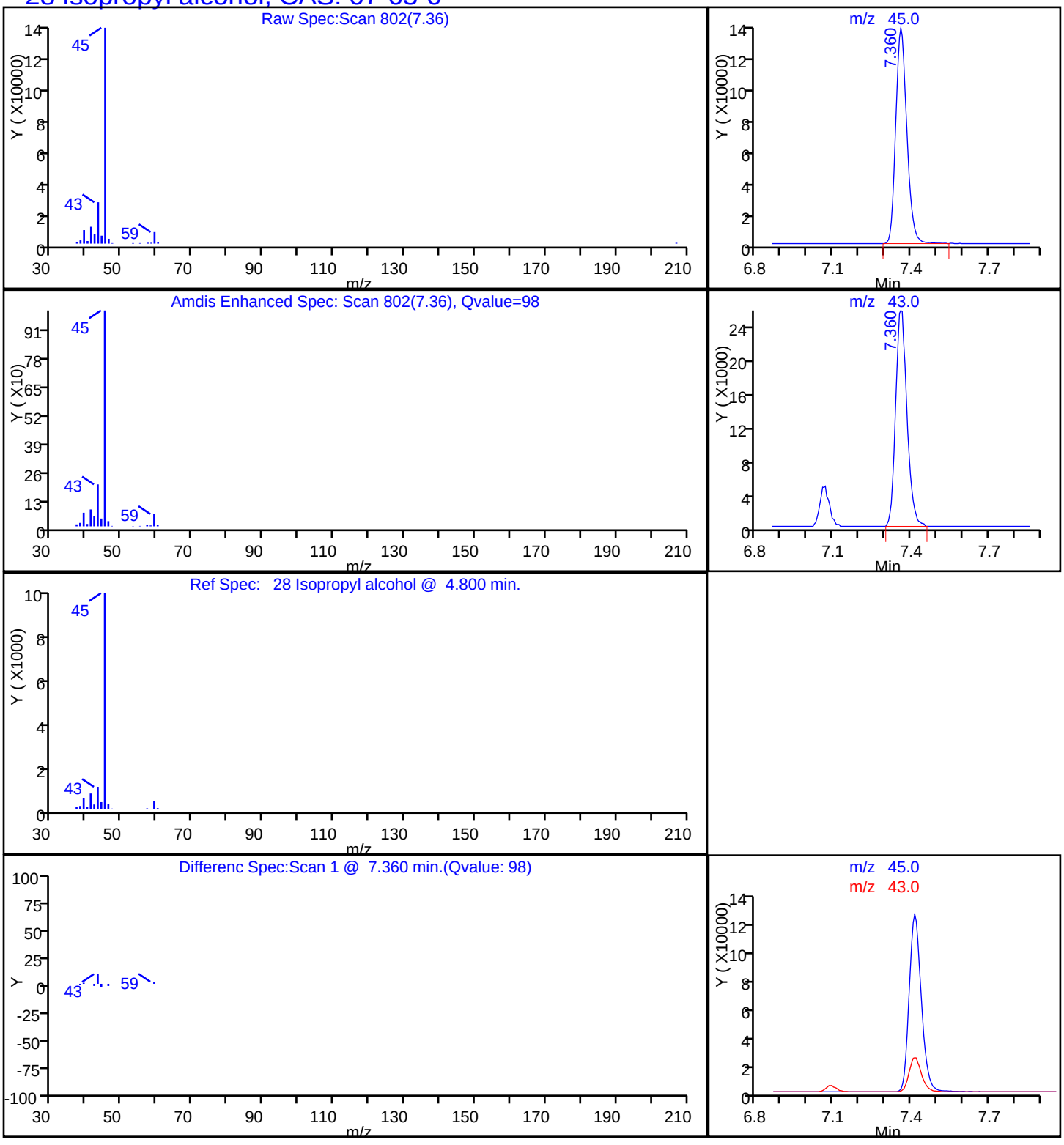
Report Date: 19-Feb-2014 10:59:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_07.D

Injection Date:	18-Feb-2014 17:36:30	Instrument ID:	CHC.i
Lims ID:	200-20861-A-6	Lab Sample ID:	200-20861-6
Client ID:	SDS-6		
Operator ID:	wrd	ALS Bottle#:	6 Worklist Smp#: 7
Purge Vol:	200.000 mL	Dil. Factor:	22.0000
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

28 Isopropyl alcohol, CAS: 67-63-0



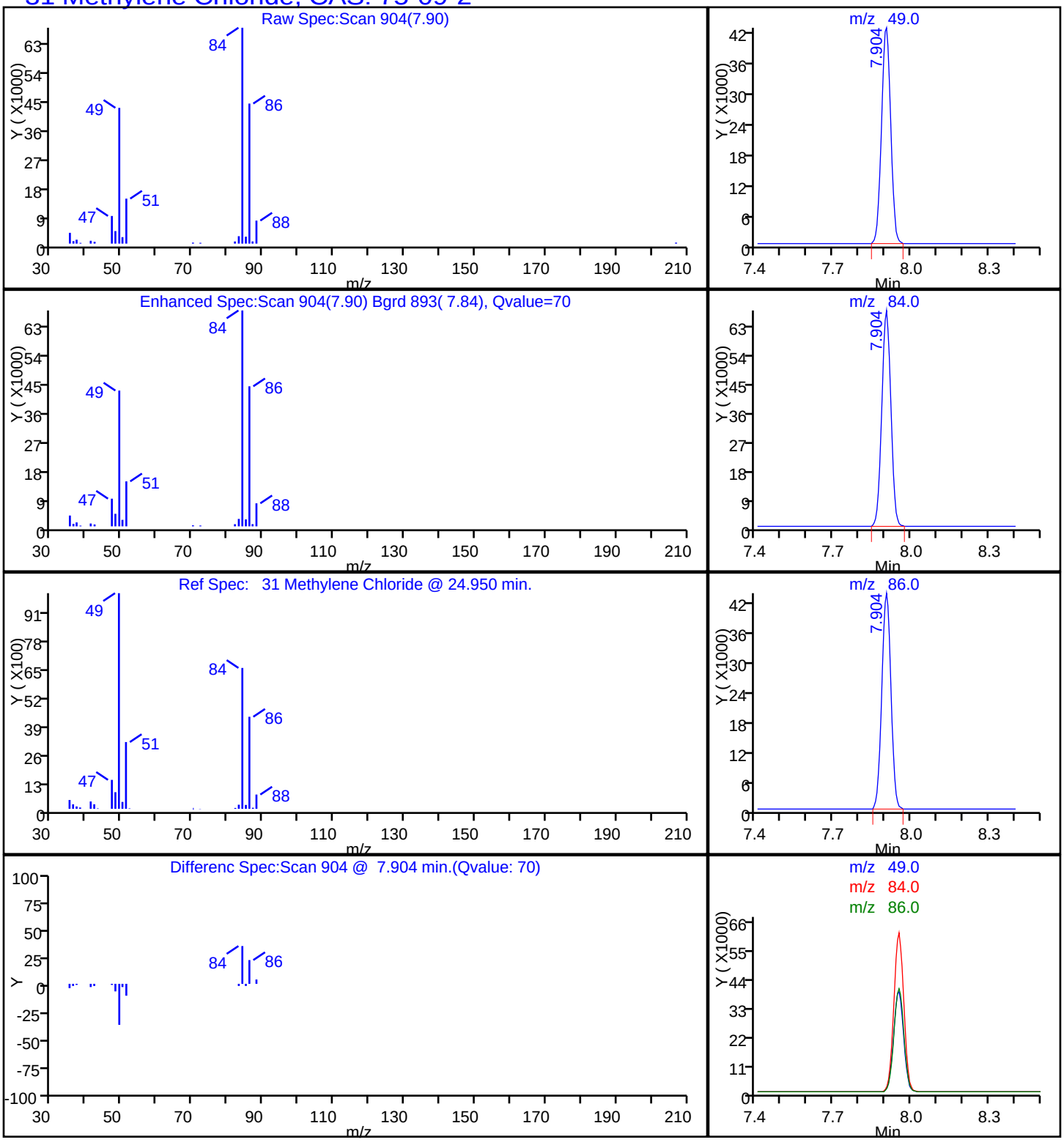
Report Date: 19-Feb-2014 10:59:42 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_07.D

Injection Date:	18-Feb-2014 17:36:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-6	Lab Sample ID:	200-20861-6		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	22.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



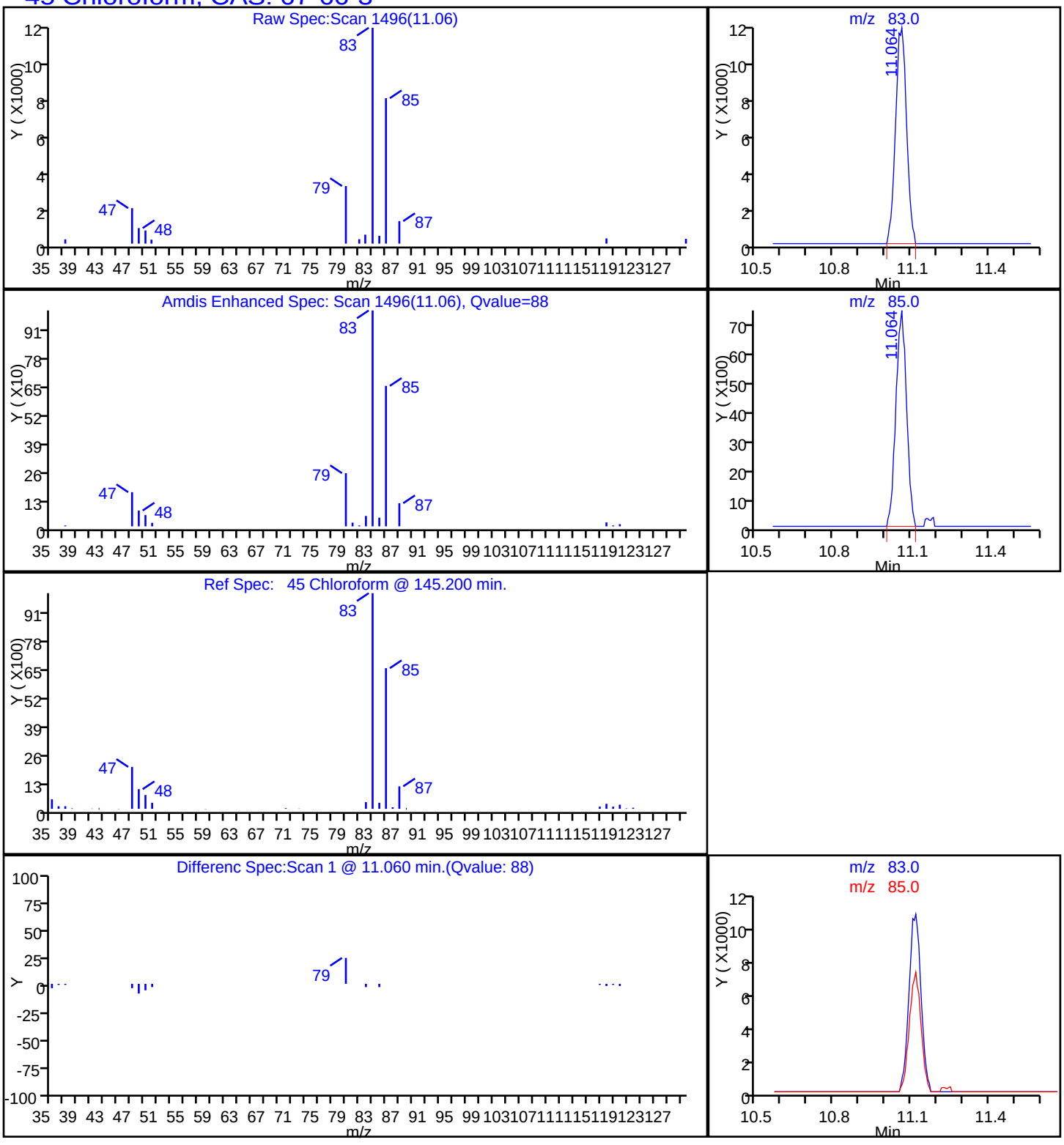
Report Date: 19-Feb-2014 10:59:42 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_07.D

Injection Date:	18-Feb-2014 17:36:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-6	Lab Sample ID:	200-20861-6		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	22.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



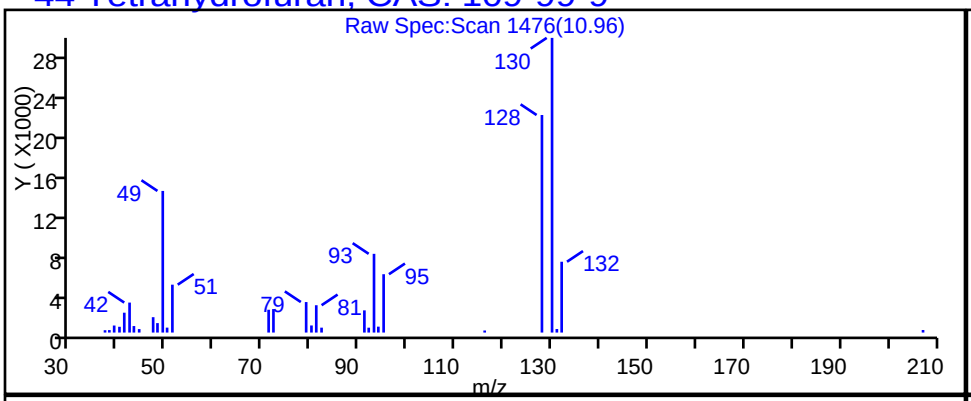
Report Date: 19-Feb-2014 10:59:42 Chrom Revision: 2.2 06-Feb-2014 15:19:06

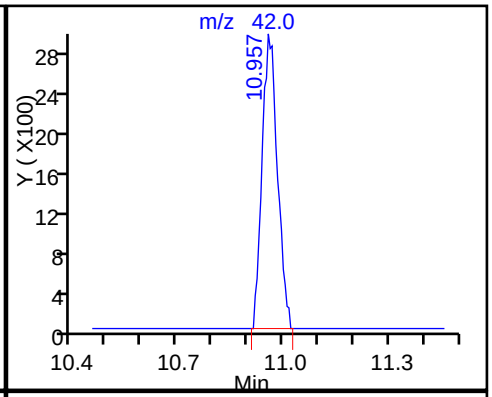
TestAmerica Burlington

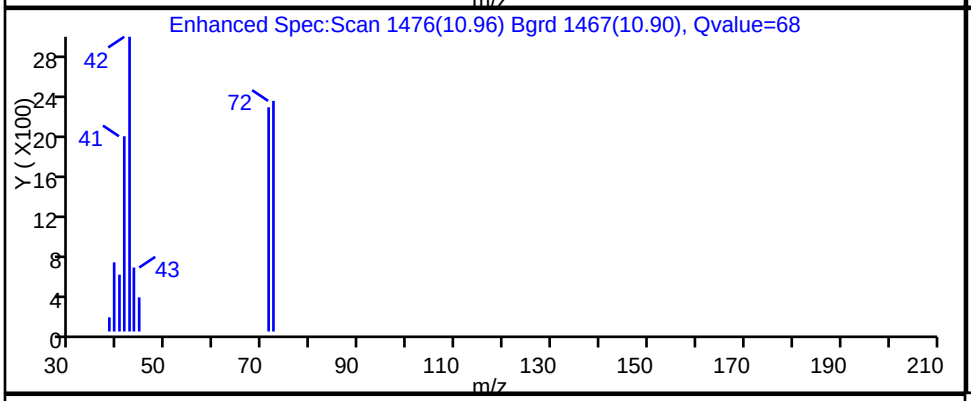
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_07.D

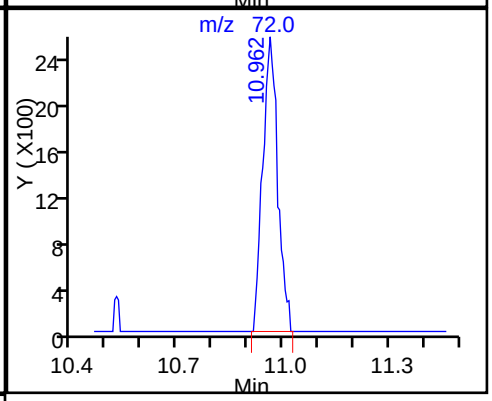
Injection Date:	18-Feb-2014 17:36:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-6	Lab Sample ID:	200-20861-6		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	22.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

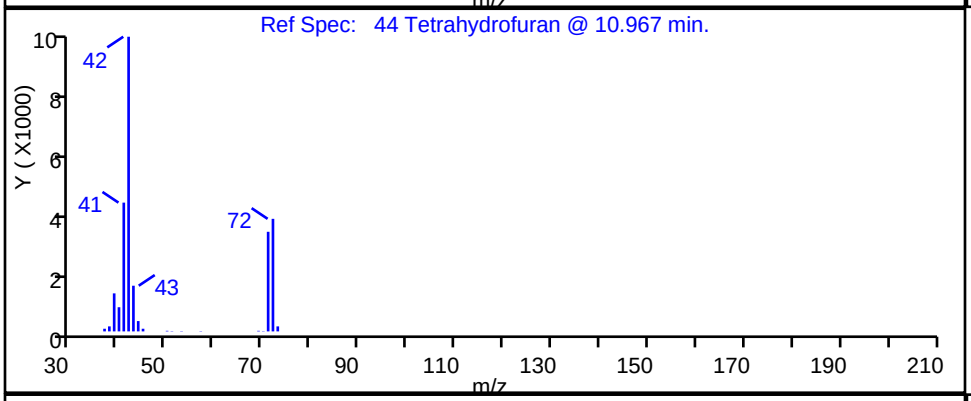
44 Tetrahydrofuran, CAS: 109-99-9

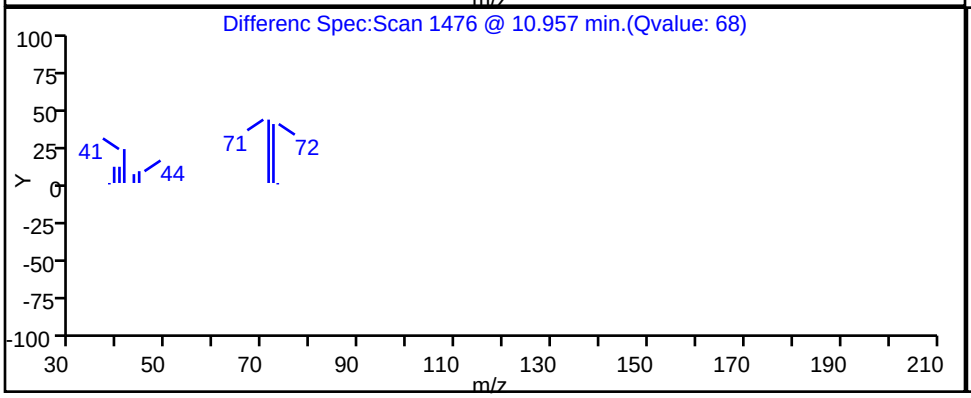


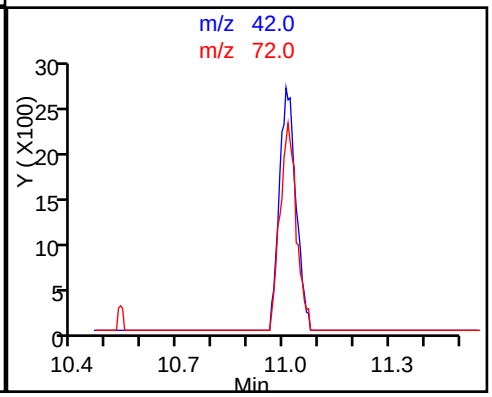












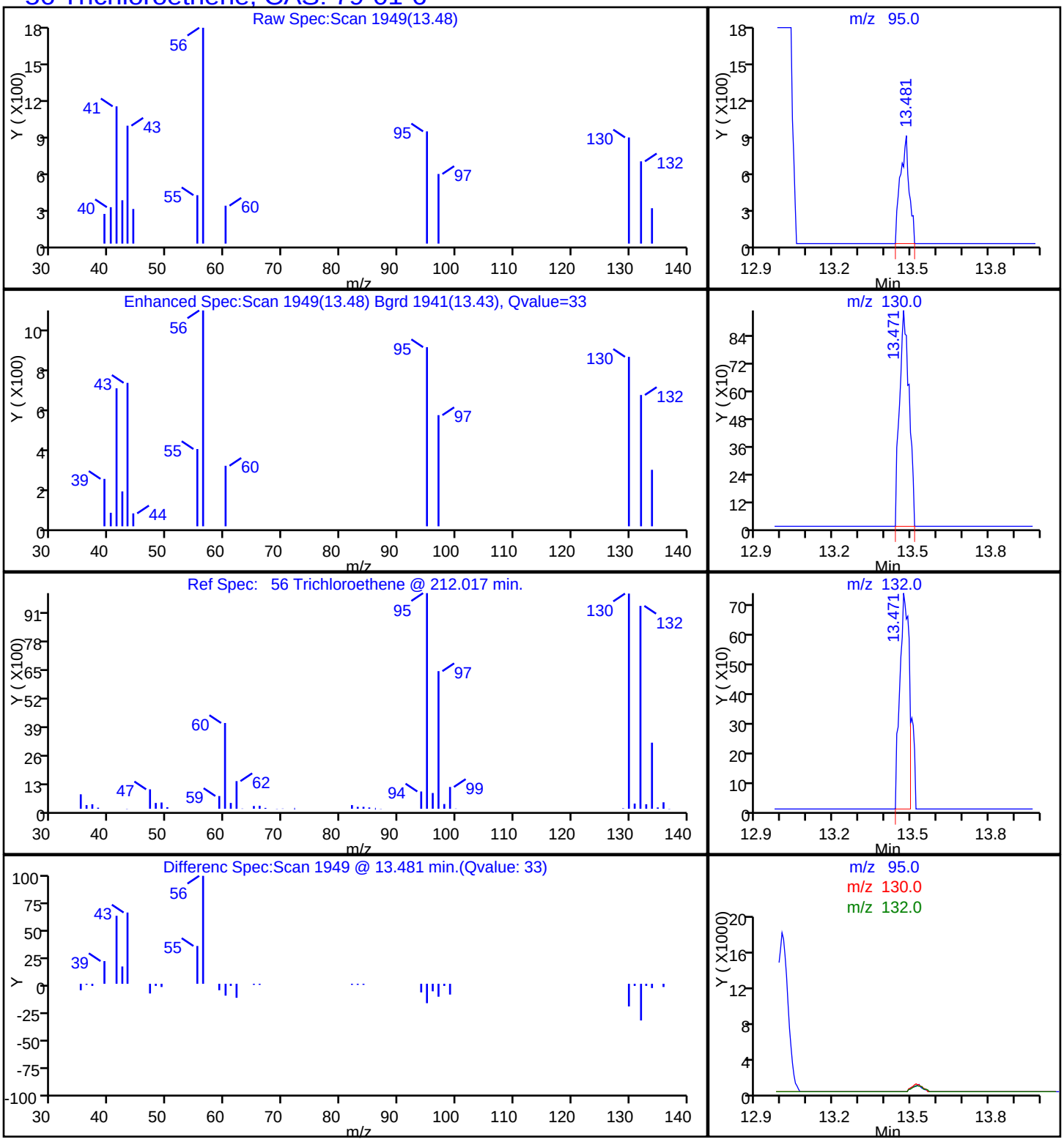
Report Date: 19-Feb-2014 10:59:42 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_07.D

Injection Date:	18-Feb-2014 17:36:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-6	Lab Sample ID:	200-20861-6		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	22.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



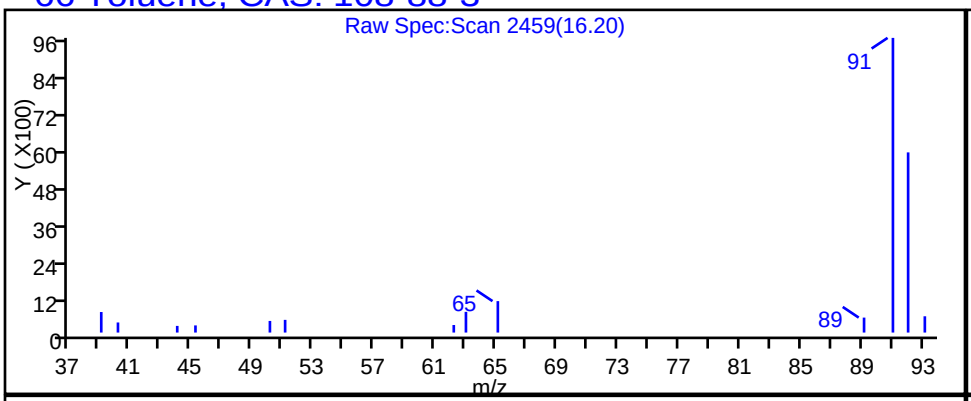
Report Date: 19-Feb-2014 10:59:42 Chrom Revision: 2.2 06-Feb-2014 15:19:06

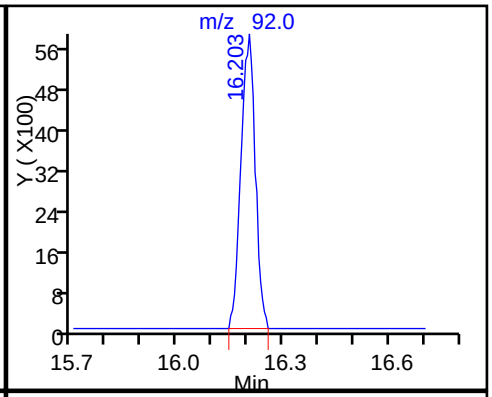
TestAmerica Burlington

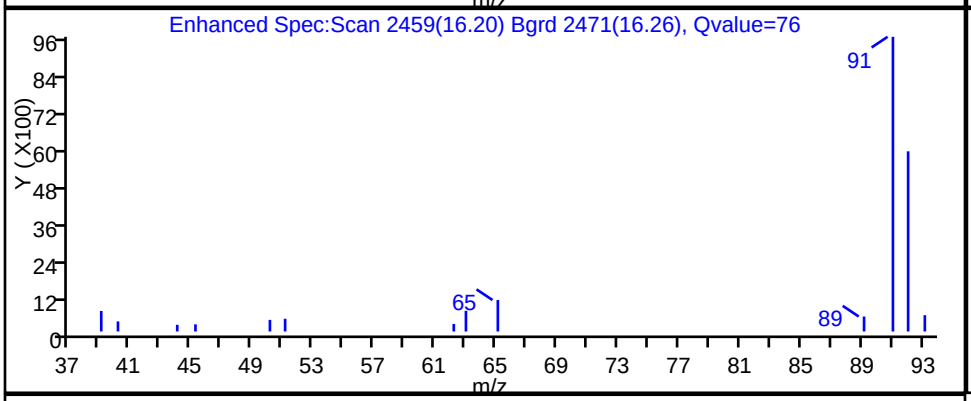
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_07.D

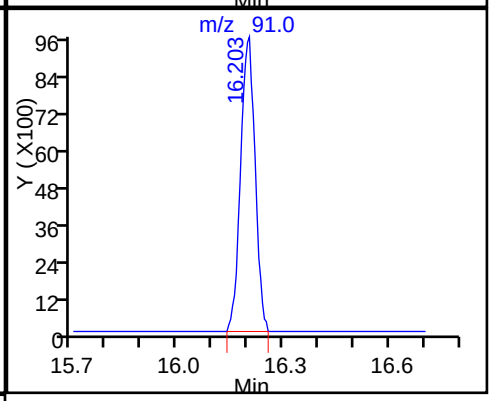
Injection Date:	18-Feb-2014 17:36:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-6	Lab Sample ID:	200-20861-6		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	22.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

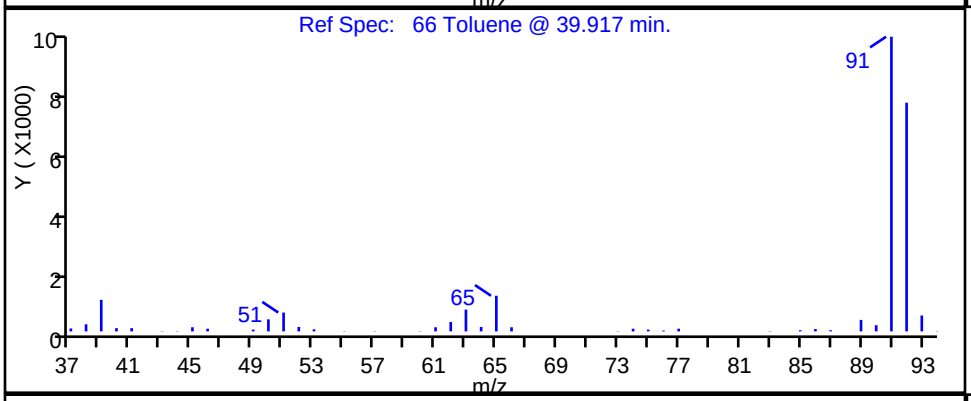
66 Toluene, CAS: 108-88-3

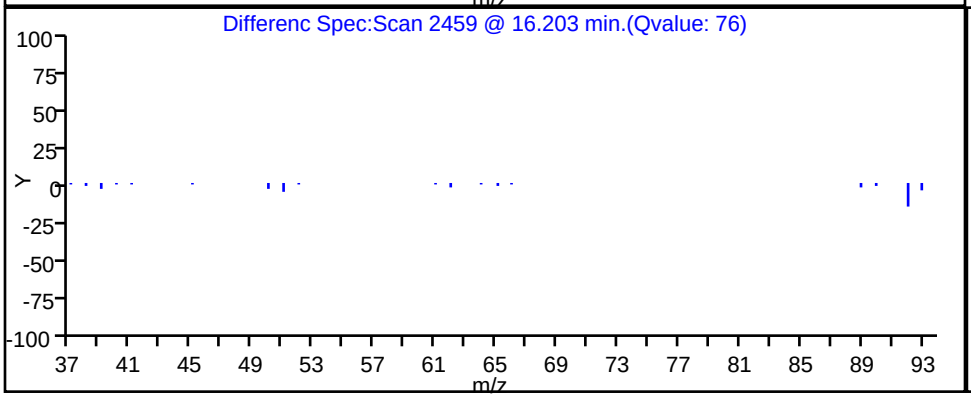


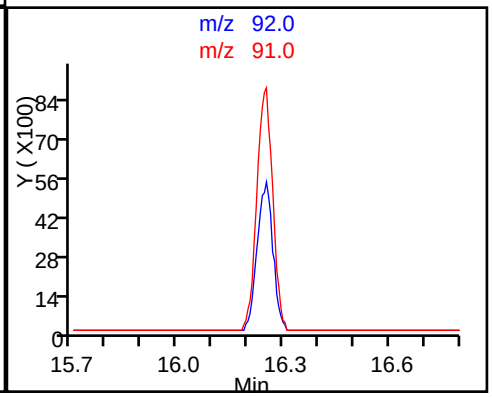












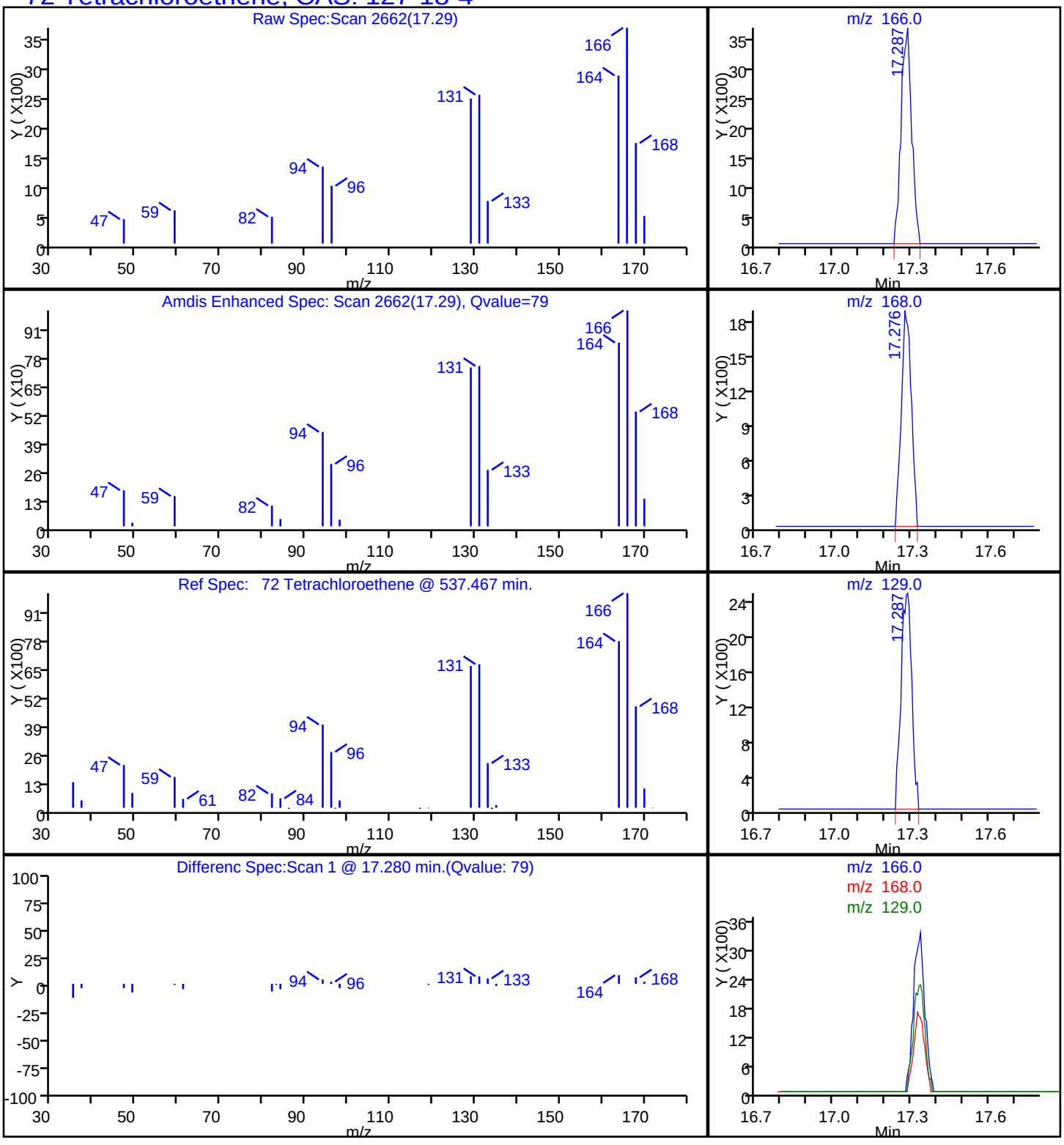
Report Date: 19-Feb-2014 10:59:42 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_07.D

Injection Date:	18-Feb-2014 17:36:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-6	Lab Sample ID:	200-20861-6		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	22.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-7 Lab Sample ID: 200-20861-7

Matrix: Air Lab File ID: 6208_08.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:13

Sample wt/vol: 40(mL) Date Analyzed: 02/18/2014 18:28

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.63	J	2.5	0.15
75-45-6	Freon 22	86.47	0.57	J	2.5	0.24
76-14-2	Freon-114	170.92	1.0	U	1.0	0.18
74-87-3	Chloromethane	50.49	2.5	U	2.5	0.68
106-97-8	n-Butane	58.12	2.5	U	2.5	1.4
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.19
106-99-0	1,3-Butadiene	54.09	1.0	U	1.0	0.21
74-83-9	Bromomethane	94.94	1.0	U	1.0	0.14
75-00-3	Chloroethane	64.52	2.5	U	2.5	0.15
593-60-2	Vinyl bromide	106.96	1.0	U	1.0	0.15
75-69-4	Freon 11	137.37	1.0	U	1.0	0.15
76-13-1	Freon 113	187.38	1.0	U	1.0	0.090
75-35-4	1,1-Dichloroethene	96.94	1.0	U	1.0	0.12
67-64-1	Acetone	58.08	25	U	25	6.3
67-63-0	Isopropyl alcohol	60.10	160		25	1.1
75-15-0	Carbon disulfide	76.14	2.5	U	2.5	0.33
107-05-1	Allyl chloride	76.53	2.5	U	2.5	0.17
75-09-2	Methylene Chloride	84.93	28		2.5	0.63
75-65-0	tert-Butyl alcohol	74.12	25	U	25	1.6
1634-04-4	Methyl tert-butyl ether	88.15	1.0	U	1.0	0.11
156-60-5	trans-1,2-Dichloroethene	96.94	1.0	U	1.0	0.15
110-54-3	Hexane	86.17	1.0	U	1.0	0.17
75-34-3	1,1-Dichloroethane	98.96	1.0	U	1.0	0.19
78-93-3	Methyl Ethyl Ketone	72.11	2.5	U	2.5	1.2
156-59-2	cis-1,2-Dichloroethene	96.94	1.0	U	1.0	0.19
540-59-0	1,2-Dichloroethene, Total	96.94	1.0	U	1.0	0.32
67-66-3	Chloroform	119.38	1.5		1.0	0.13
109-99-9	Tetrahydrofuran	72.11	8.7	J	25	0.23
71-55-6	1,1,1-Trichloroethane	133.41	1.0	U	1.0	0.11
110-82-7	Cyclohexane	84.16	1.0	U	1.0	0.13
56-23-5	Carbon tetrachloride	153.81	0.20	U	0.20	0.11
540-84-1	2,2,4-Trimethylpentane	114.23	1.0	U	1.0	0.14
71-43-2	Benzene	78.11	1.0	U	1.0	0.095
107-06-2	1,2-Dichloroethane	98.96	1.0	U	1.0	0.085
142-82-5	Heptane	100.21	1.0	U	1.0	0.23

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-7 Lab Sample ID: 200-20861-7

Matrix: Air Lab File ID: 6208_08.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:13

Sample wt/vol: 40(mL) Date Analyzed: 02/18/2014 18:28

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.48		0.20	0.12
80-62-6	Methyl methacrylate	100.12	2.5	U	2.5	0.15
78-87-5	1,2-Dichloropropane	112.99	1.0	U	1.0	0.16
123-91-1	1,4-Dioxane	88.11	25	U	25	1.0
75-27-4	Bromodichloromethane	163.83	1.0	U	1.0	0.085
10061-01-5	cis-1,3-Dichloropropene	110.97	1.0	U	1.0	0.14
108-10-1	methyl isobutyl ketone	100.16	2.5	U	2.5	0.14
108-88-3	Toluene	92.14	0.38	J	1.0	0.085
10061-02-6	trans-1,3-Dichloropropene	110.97	1.0	U	1.0	0.11
79-00-5	1,1,2-Trichloroethane	133.41	1.0	U	1.0	0.085
127-18-4	Tetrachloroethene	165.83	0.44	J	1.0	0.080
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.5	U	2.5	1.0
124-48-1	Dibromochloromethane	208.29	1.0	U	1.0	0.10
106-93-4	1,2-Dibromoethane	187.87	1.0	U	1.0	0.10
108-90-7	Chlorobenzene	112.56	1.0	U	1.0	0.041
100-41-4	Ethylbenzene	106.17	1.0	U	1.0	0.065
179601-23-1	m,p-Xylene	106.17	2.5	U	2.5	0.12
95-47-6	Xylene, o-	106.17	1.0	U	1.0	0.080
1330-20-7	Xylene (total)	106.17	1.0	U	1.0	0.17
100-42-5	Styrene	104.15	1.0	U	1.0	0.090
75-25-2	Bromoform	252.75	1.0	U	1.0	0.050
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.0	U	1.0	0.080
103-65-1	n-Propylbenzene	120.19	1.0	U	1.0	0.40
622-96-8	4-Ethyltoluene	120.20	1.0	U	1.0	0.090
108-67-8	1,3,5-Trimethylbenzene	120.20	1.0	U	1.0	0.060
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.065
98-06-6	tert-Butylbenzene	134.22	1.0	U	1.0	0.085
95-63-6	1,2,4-Trimethylbenzene	120.20	1.0	U	1.0	0.070
135-98-8	sec-Butylbenzene	134.22	1.0	U	1.0	0.40
99-87-6	4-Isopropyltoluene	134.22	1.0	U	1.0	0.40
541-73-1	1,3-Dichlorobenzene	147.00	1.0	U	1.0	0.070
106-46-7	1,4-Dichlorobenzene	147.00	1.0	U	1.0	0.070
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.40
104-51-8	n-Butylbenzene	134.22	1.0	U	1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-7 Lab Sample ID: 200-20861-7

Matrix: Air Lab File ID: 6208_08.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:13

Sample wt/vol: 40(mL) Date Analyzed: 02/18/2014 18:28

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.0	U	1.0	0.070
120-82-1	1,2,4-Trichlorobenzene	181.45	2.5	U *	2.5	0.14
87-68-3	Hexachloro-1,3-butadiene	260.76	1.0	U	1.0	0.11
91-20-3	Naphthalene	128.17	2.5	U ^ *	2.5	1.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-7 Lab Sample ID: 200-20861-7

Matrix: Air Lab File ID: 6208_08.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:13

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Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	3.1	J	12	0.74
75-45-6	Freon 22	86.47	2.0	J	8.8	0.85
76-14-2	Freon-114	170.92	7.0	U	7.0	1.2
74-87-3	Chloromethane	50.49	5.2	U	5.2	1.4
106-97-8	n-Butane	58.12	5.9	U	5.9	3.4
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.49
106-99-0	1,3-Butadiene	54.09	2.2	U	2.2	0.46
74-83-9	Bromomethane	94.94	3.9	U	3.9	0.54
75-00-3	Chloroethane	64.52	6.6	U	6.6	0.40
593-60-2	Vinyl bromide	106.96	4.4	U	4.4	0.66
75-69-4	Freon 11	137.37	5.6	U	5.6	0.84
76-13-1	Freon 113	187.38	7.7	U	7.7	0.69
75-35-4	1,1-Dichloroethene	96.94	4.0	U	4.0	0.48
67-64-1	Acetone	58.08	59	U	59	15
67-63-0	Isopropyl alcohol	60.10	400		61	2.6
75-15-0	Carbon disulfide	76.14	7.8	U	7.8	1.0
107-05-1	Allyl chloride	76.53	7.8	U	7.8	0.53
75-09-2	Methylene Chloride	84.93	99		8.7	2.2
75-65-0	tert-Butyl alcohol	74.12	76	U	76	5.0
1634-04-4	Methyl tert-butyl ether	88.15	3.6	U	3.6	0.40
156-60-5	trans-1,2-Dichloroethene	96.94	4.0	U	4.0	0.57
110-54-3	Hexane	86.17	3.5	U	3.5	0.60
75-34-3	1,1-Dichloroethane	98.96	4.0	U	4.0	0.77
78-93-3	Methyl Ethyl Ketone	72.11	7.4	U	7.4	3.6
156-59-2	cis-1,2-Dichloroethene	96.94	4.0	U	4.0	0.75
540-59-0	1,2-Dichloroethene, Total	96.94	4.0	U	4.0	1.3
67-66-3	Chloroform	119.38	7.5		4.9	0.61
109-99-9	Tetrahydrofuran	72.11	26	J	74	0.68
71-55-6	1,1,1-Trichloroethane	133.41	5.5	U	5.5	0.57
110-82-7	Cyclohexane	84.16	3.4	U	3.4	0.43
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	0.66
540-84-1	2,2,4-Trimethylpentane	114.23	4.7	U	4.7	0.63
71-43-2	Benzene	78.11	3.2	U	3.2	0.30
107-06-2	1,2-Dichloroethane	98.96	4.0	U	4.0	0.34
142-82-5	Heptane	100.21	4.1	U	4.1	0.94

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-7 Lab Sample ID: 200-20861-7

Matrix: Air Lab File ID: 6208_08.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:13

Sample wt/vol: 40(mL) Date Analyzed: 02/18/2014 18:28

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.6		1.1	0.64
80-62-6	Methyl methacrylate	100.12	10	U	10	0.61
78-87-5	1,2-Dichloropropane	112.99	4.6	U	4.6	0.74
123-91-1	1,4-Dioxane	88.11	90	U	90	3.6
75-27-4	Bromodichloromethane	163.83	6.7	U	6.7	0.57
10061-01-5	cis-1,3-Dichloropropene	110.97	4.5	U	4.5	0.64
108-10-1	methyl isobutyl ketone	100.16	10	U	10	0.55
108-88-3	Toluene	92.14	1.4	J	3.8	0.32
10061-02-6	trans-1,3-Dichloropropene	110.97	4.5	U	4.5	0.50
79-00-5	1,1,2-Trichloroethane	133.41	5.5	U	5.5	0.46
127-18-4	Tetrachloroethene	165.83	3.0	J	6.8	0.54
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10	U	10	4.1
124-48-1	Dibromochloromethane	208.29	8.5	U	8.5	0.85
106-93-4	1,2-Dibromoethane	187.87	7.7	U	7.7	0.77
108-90-7	Chlorobenzene	112.56	4.6	U	4.6	0.19
100-41-4	Ethylbenzene	106.17	4.3	U	4.3	0.28
179601-23-1	m,p-Xylene	106.17	11	U	11	0.50
95-47-6	Xylene, o-	106.17	4.3	U	4.3	0.35
1330-20-7	Xylene (total)	106.17	4.3	U	4.3	0.74
100-42-5	Styrene	104.15	4.3	U	4.3	0.38
75-25-2	Bromoform	252.75	10	U	10	0.52
79-34-5	1,1,2,2-Tetrachloroethane	167.85	6.9	U	6.9	0.55
103-65-1	n-Propylbenzene	120.19	4.9	U	4.9	2.0
622-96-8	4-Ethyltoluene	120.20	4.9	U	4.9	0.44
108-67-8	1,3,5-Trimethylbenzene	120.20	4.9	U	4.9	0.29
95-49-8	2-Chlorotoluene	126.59	5.2	U	5.2	0.34
98-06-6	tert-Butylbenzene	134.22	5.5	U	5.5	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	4.9	U	4.9	0.34
135-98-8	sec-Butylbenzene	134.22	5.5	U	5.5	2.2
99-87-6	4-Isopropyltoluene	134.22	5.5	U	5.5	2.2
541-73-1	1,3-Dichlorobenzene	147.00	6.0	U	6.0	0.42
106-46-7	1,4-Dichlorobenzene	147.00	6.0	U	6.0	0.42
100-44-7	Benzyl chloride	126.58	5.2	U	5.2	2.1
104-51-8	n-Butylbenzene	134.22	5.5	U	5.5	2.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-7 Lab Sample ID: 200-20861-7

Matrix: Air Lab File ID: 6208_08.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:13

Sample wt/vol: 40(mL) Date Analyzed: 02/18/2014 18:28

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	6.0	U	6.0	0.42
120-82-1	1,2,4-Trichlorobenzene	181.45	19	U *	19	1.0
87-68-3	Hexachloro-1,3-butadiene	260.76	11	U	11	1.2
91-20-3	Naphthalene	128.17	13	U ^ *	13	5.2

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_08.D
Lims ID: 200-20861-A-7 Lab Sample ID: 200-20861-7
Client ID: SDS-7
Sample Type: Client
Inject. Date: 18-Feb-2014 18:28:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Sample Info: 200-0006208-008
Misc. Info.: 20861-7
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Feb-2014 11:01:35 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: desjardinsb Date: 19-Feb-2014 11:01:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.250	3.256	-0.006	74	7391	0.1251	
6 Chlorodifluoromethane	51	3.315	3.320	-0.005	29	2068	0.1138	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.549					
8 Chloromethane	50		3.699					
9 Butane	43		3.918					
10 Vinyl chloride	62		3.971					
11 Butadiene	54		4.056					
12 Bromomethane	94		4.798					
13 Chloroethane	64		5.054					
15 Vinyl bromide	106		5.471					
16 Trichlorofluoromethane	101		5.577					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.720					
23 1,1-Dichloroethene	96		6.762					
25 Acetone	43		7.045					
26 Carbon disulfide	76		7.152					
28 Isopropyl alcohol	45	7.355	7.360	-0.005	98	333026	32.9	
29 3-Chloro-1-propene	41		7.595					
31 Methylene Chloride	49	7.904	7.904	0.0	66	67269	5.70	
32 2-Methyl-2-propanol	59		8.166					
33 Methyl tert-butyl ether	73		8.321					
34 trans-1,2-Dichloroethene	61		8.353					
36 Hexane	57		8.748					
37 1,1-Dichloroethane	63		9.271					
S 39 1,2-Dichloroethene, Total	61		10.200					
40 cis-1,2-Dichloroethene	96		10.434					
41 2-Butanone (MEK)	72		10.514					
* 43 Chlorobromomethane	128	10.920	10.925	-0.005	66	351055	10.0	
44 Tetrahydrofuran	42	10.946	10.941	0.005	70	20752	1.74	
45 Chloroform	83	11.069	11.069	0.005	75	19059	0.3080	M
46 Cyclohexane	84		11.299					
47 1,1,1-Trichloroethane	97		11.341					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	49	Carbon tetrachloride	117		11.597					
	50	Isooctane	57		12.051					
	51	Benzene	78		12.099					
	52	1,2-Dichloroethane	62		12.307					
	53	n-Heptane	43		12.462					
*	54	1,4-Difluorobenzene	114	12.990	12.996	-0.006	92	1846713	10.0	
	56	Trichloroethene	95	13.471	13.471	-0.005	63	4786	0.0967	M
	58	1,2-Dichloropropane	63		14.074					
	59	Methyl methacrylate	69		14.255					
	60	1,4-Dioxane	88		14.319					
	62	Dichlorobromomethane	83		14.645					
	64	cis-1,3-Dichloropropene	75		15.605					
	65	4-Methyl-2-pentanone (MIBK)	43		15.915					
	66	Toluene	92	16.198	16.203	-0.005	65	6062	0.0761	
	70	trans-1,3-Dichloropropene	75		16.817					
	71	1,1,2-Trichloroethane	83		17.196					
	72	Tetrachloroethene	166	17.281	17.287	-0.006	72	6184	0.0888	
	73	2-Hexanone	43		17.655					
	74	Chlorodibromomethane	129		17.964					
	75	Ethylene Dibromide	107		18.242					
*	76	Chlorobenzene-d5	117	19.133	19.139	-0.006	83	1617876	10.0	
	77	Chlorobenzene	112		19.197					
	79	Ethylbenzene	91		19.347					
	81	m-Xylene & p-Xylene	106		19.598					
S	82	Xylenes, Total	106		20.100					
	83	o-Xylene	106		20.403					
	84	Styrene	104		20.457					
	85	Bromoform	173		20.852					
$	87	4-Bromofluorobenzene	95	21.391	21.391	0.0	93	1170281	NC	
	88	1,1,2,2-Tetrachloroethane	83		21.658					
	89	N-Propylbenzene	91		21.722					
	92	4-Ethyltoluene	105		21.898					
	93	2-Chlorotoluene	91		21.914					
	94	1,3,5-Trimethylbenzene	105		21.999					
	96	tert-Butylbenzene	119		22.474					
	97	1,2,4-Trimethylbenzene	105		22.565					
	98	sec-Butylbenzene	105		22.784					
	99	4-Isopropyltoluene	119		22.981					
	100	1,3-Dichlorobenzene	146		23.018					
	101	1,4-Dichlorobenzene	146		23.157					
	102	Benzyl chloride	91		23.365					
	103	n-Butylbenzene	91		23.573					
	105	1,2-Dichlorobenzene	146		23.712					
	107	1,2,4-Trichlorobenzene	180		26.343					
	108	Hexachlorobutadiene	225		26.530					
	109	Naphthalene	128		26.872					

QC Flag Legend

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

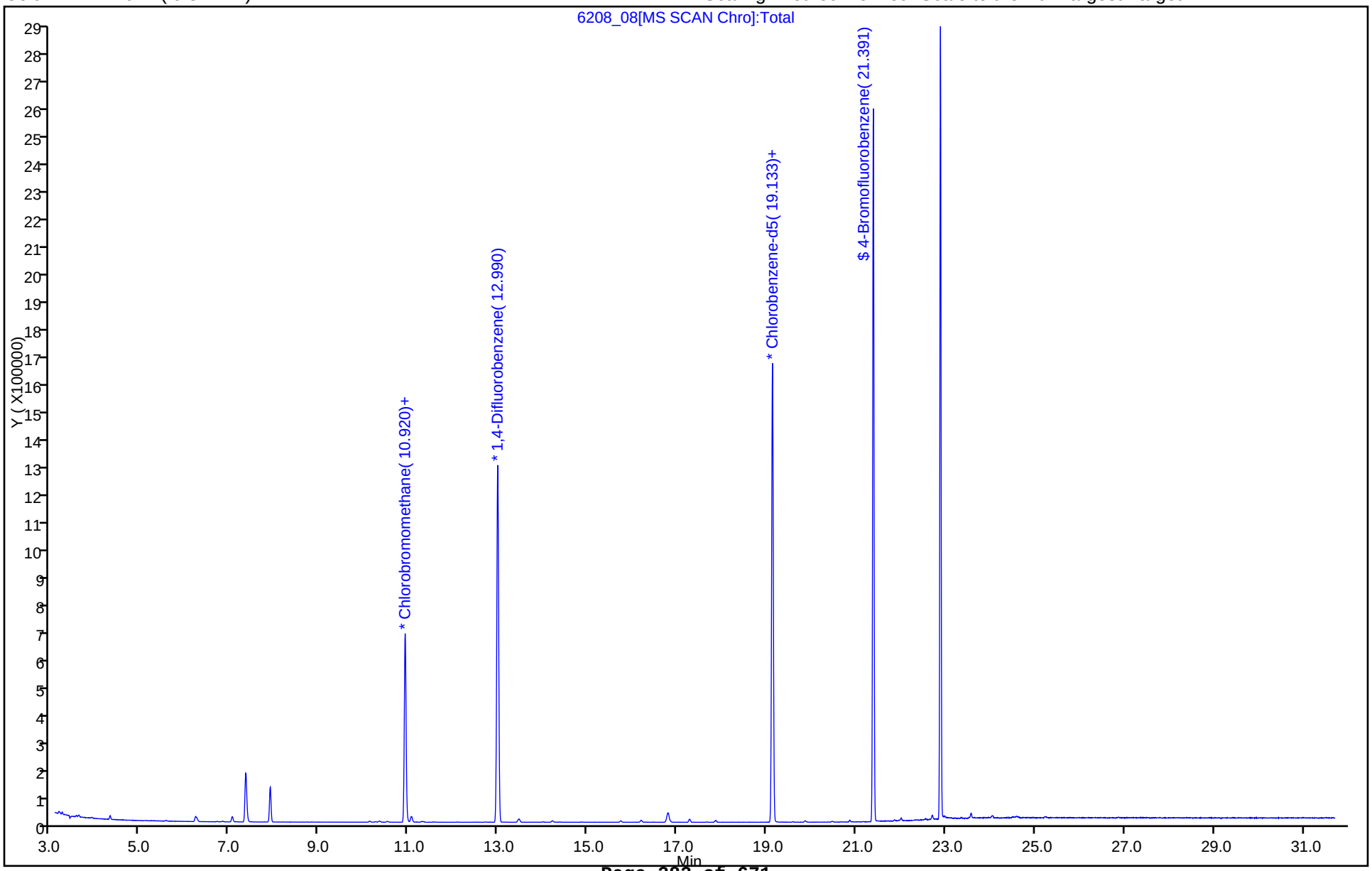
Report Date: 19-Feb-2014 11:01:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_08.D

Injection Date:	18-Feb-2014 18:28:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-20861-A-7	Lab Sample ID:	200-20861-7	Worklist Smp#:	8
Client ID:	SDS-7				
Purge Vol:	200.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



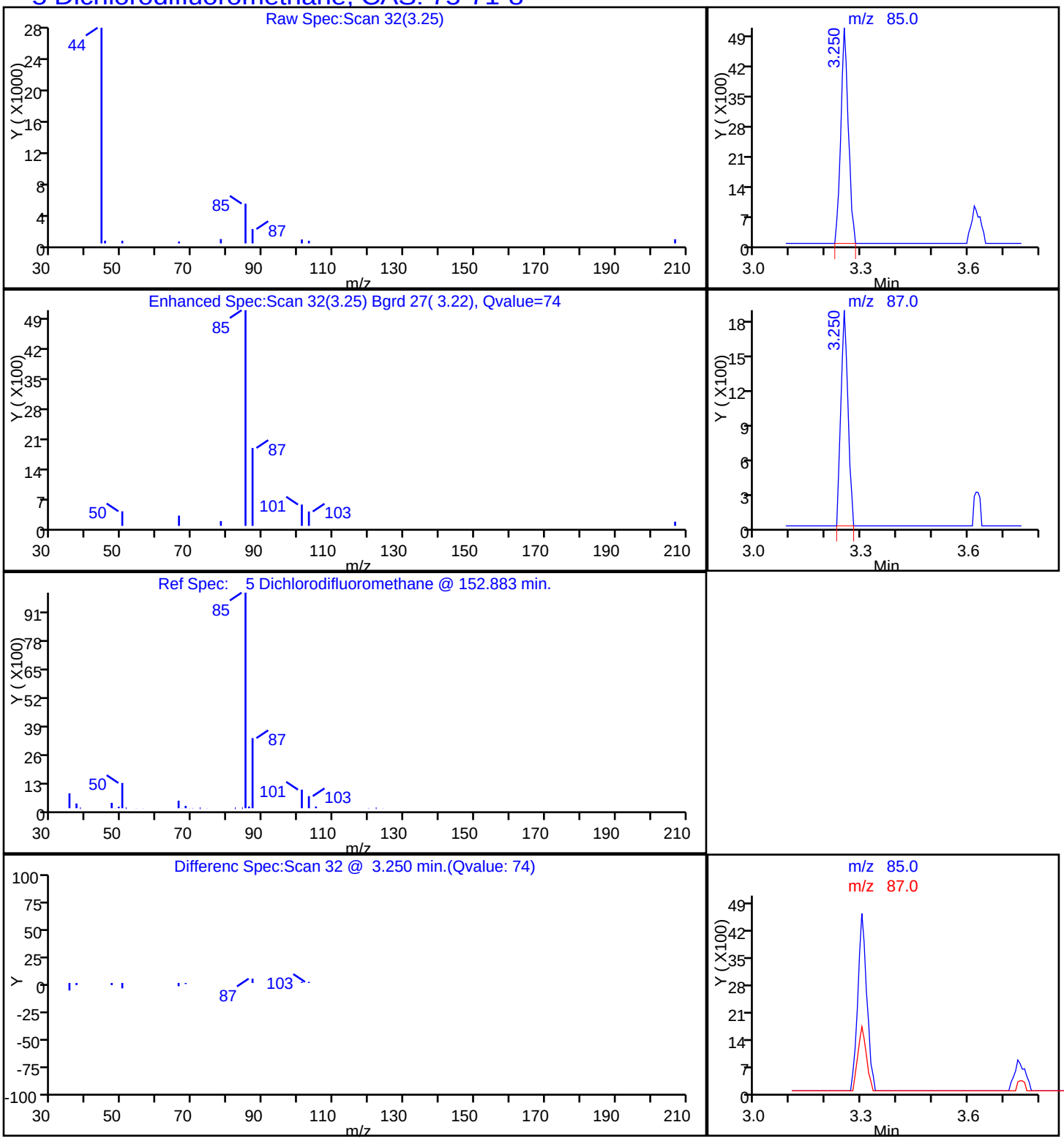
Report Date: 19-Feb-2014 11:01:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_08.D

Injection Date:	18-Feb-2014 18:28:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-7	Lab Sample ID:	200-20861-7		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Dichlorodifluoromethane, CAS: 75-71-8



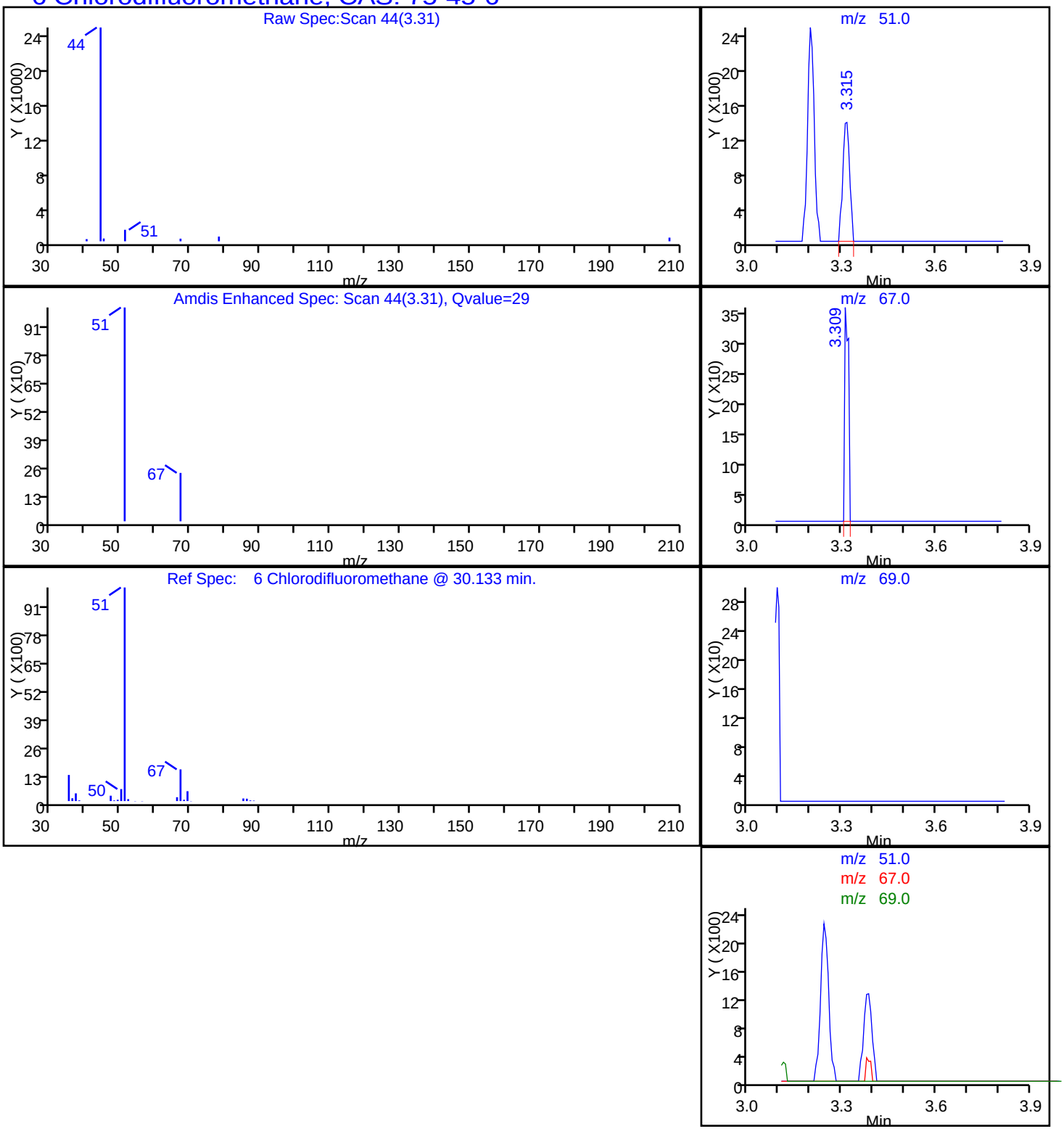
Report Date: 19-Feb-2014 11:01:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_08.D

Injection Date:	18-Feb-2014 18:28:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-7	Lab Sample ID:	200-20861-7		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



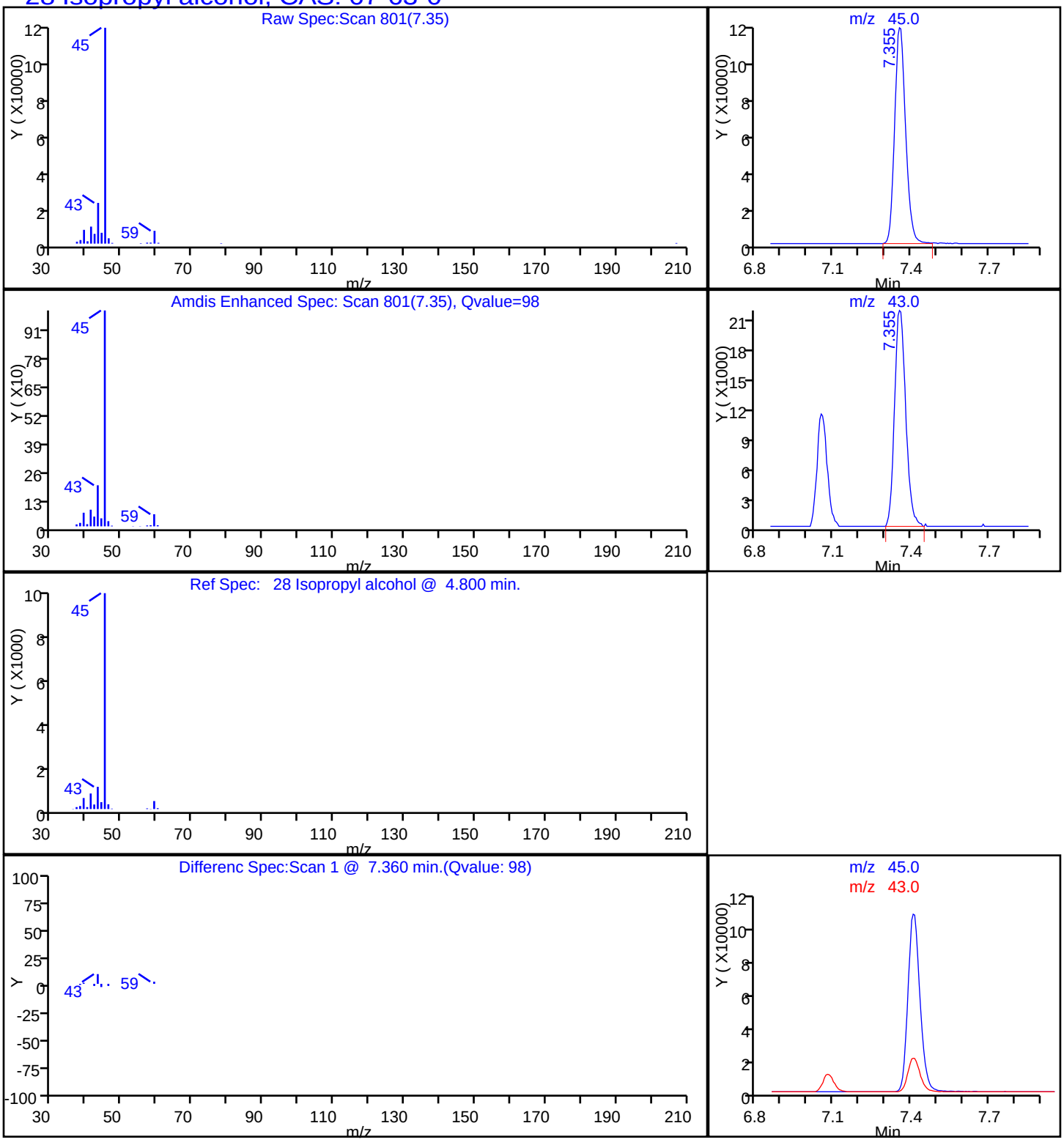
Report Date: 19-Feb-2014 11:01:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_08.D

Injection Date:	18-Feb-2014 18:28:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-7	Lab Sample ID:	200-20861-7		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 Isopropyl alcohol, CAS: 67-63-0



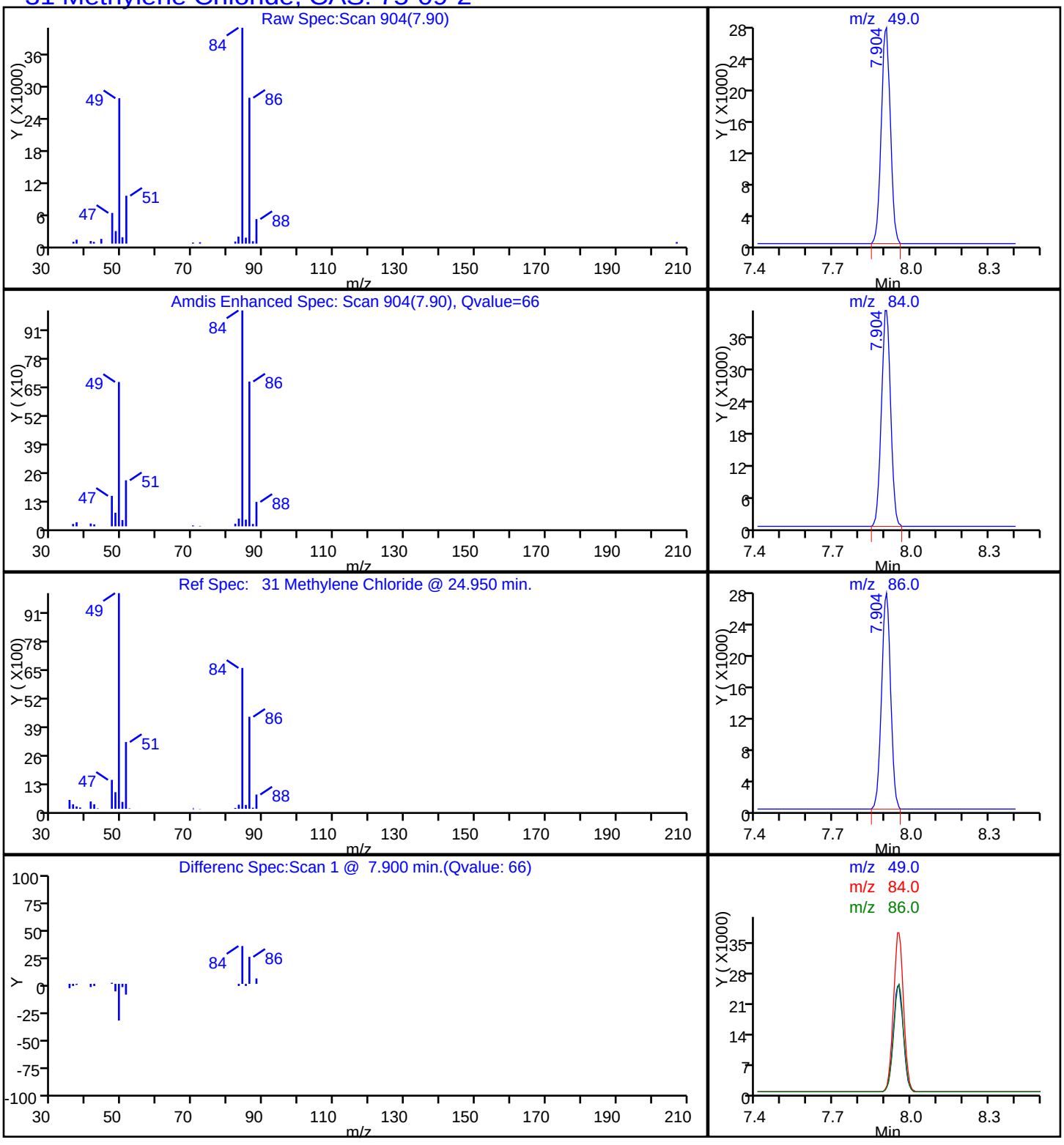
Report Date: 19-Feb-2014 11:01:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_08.D

Injection Date:	18-Feb-2014 18:28:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-7	Lab Sample ID:	200-20861-7		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



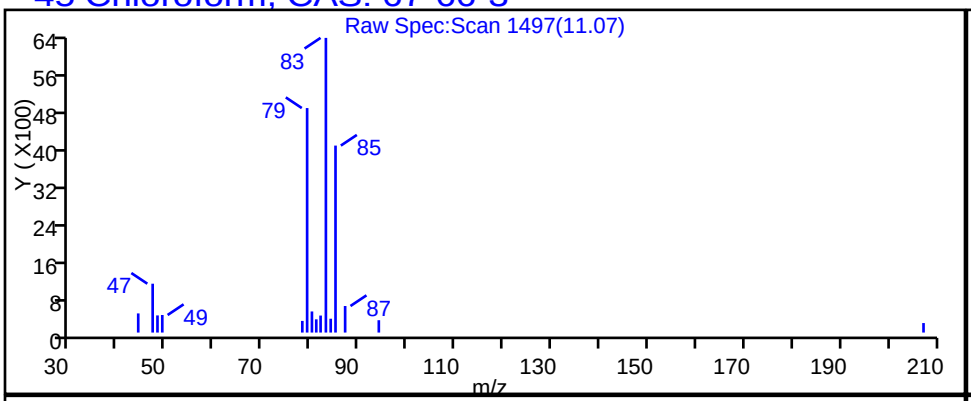
Report Date: 19-Feb-2014 11:01:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

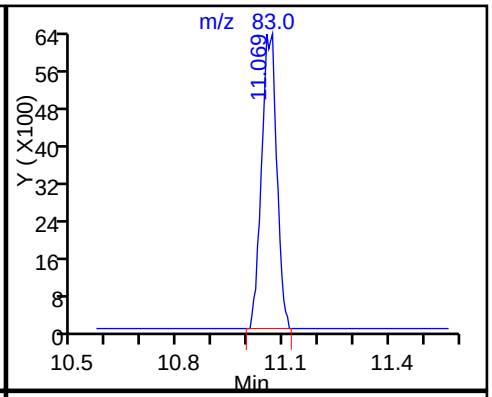
TestAmerica Burlington

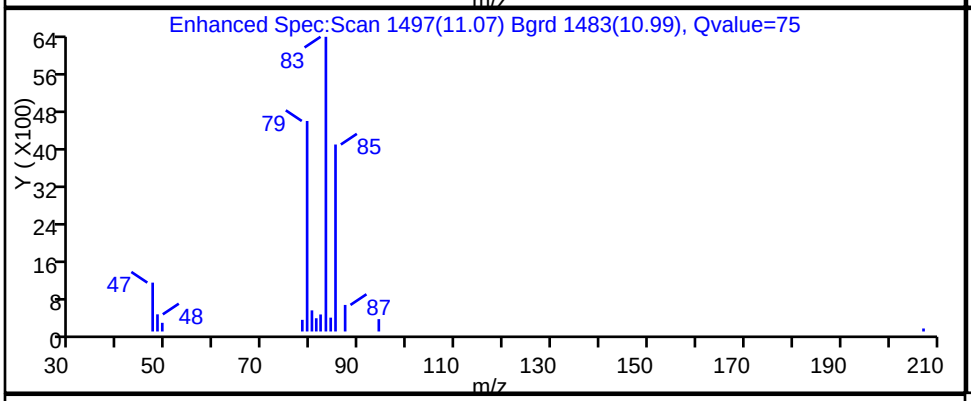
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_08.D

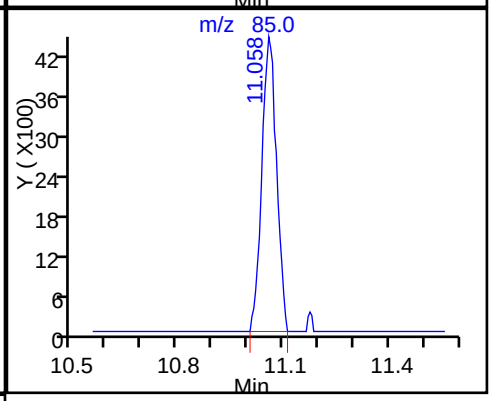
Injection Date:	18-Feb-2014 18:28:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-7	Lab Sample ID:	200-20861-7		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

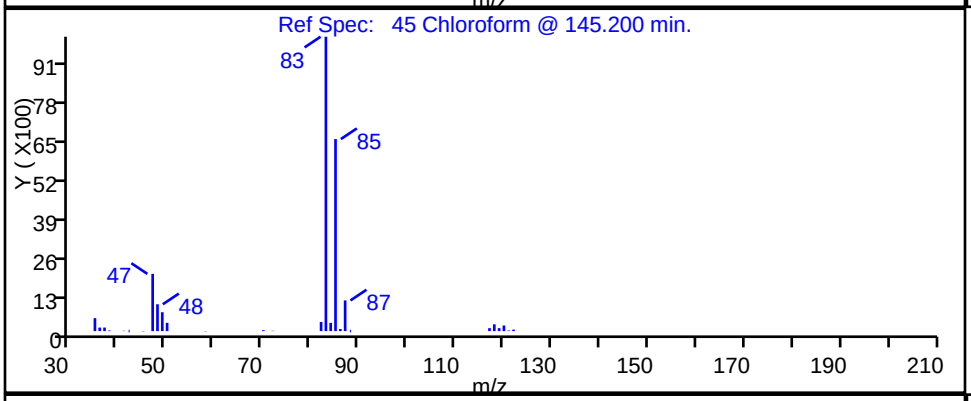
45 Chloroform, CAS: 67-66-3

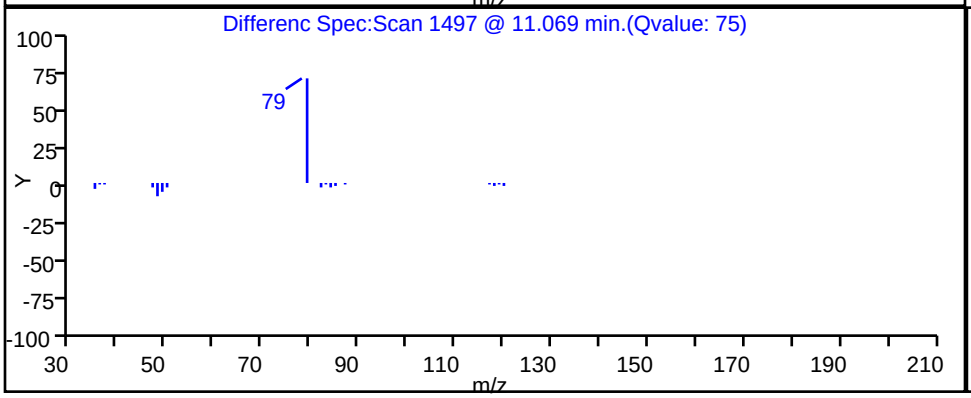


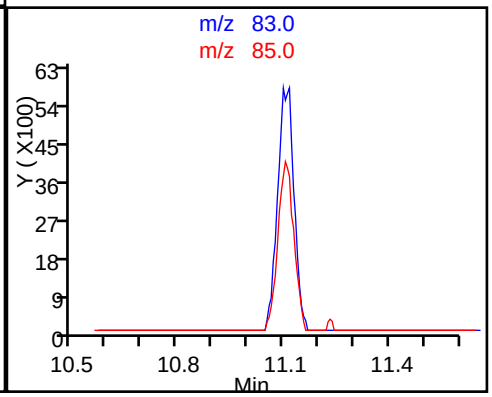












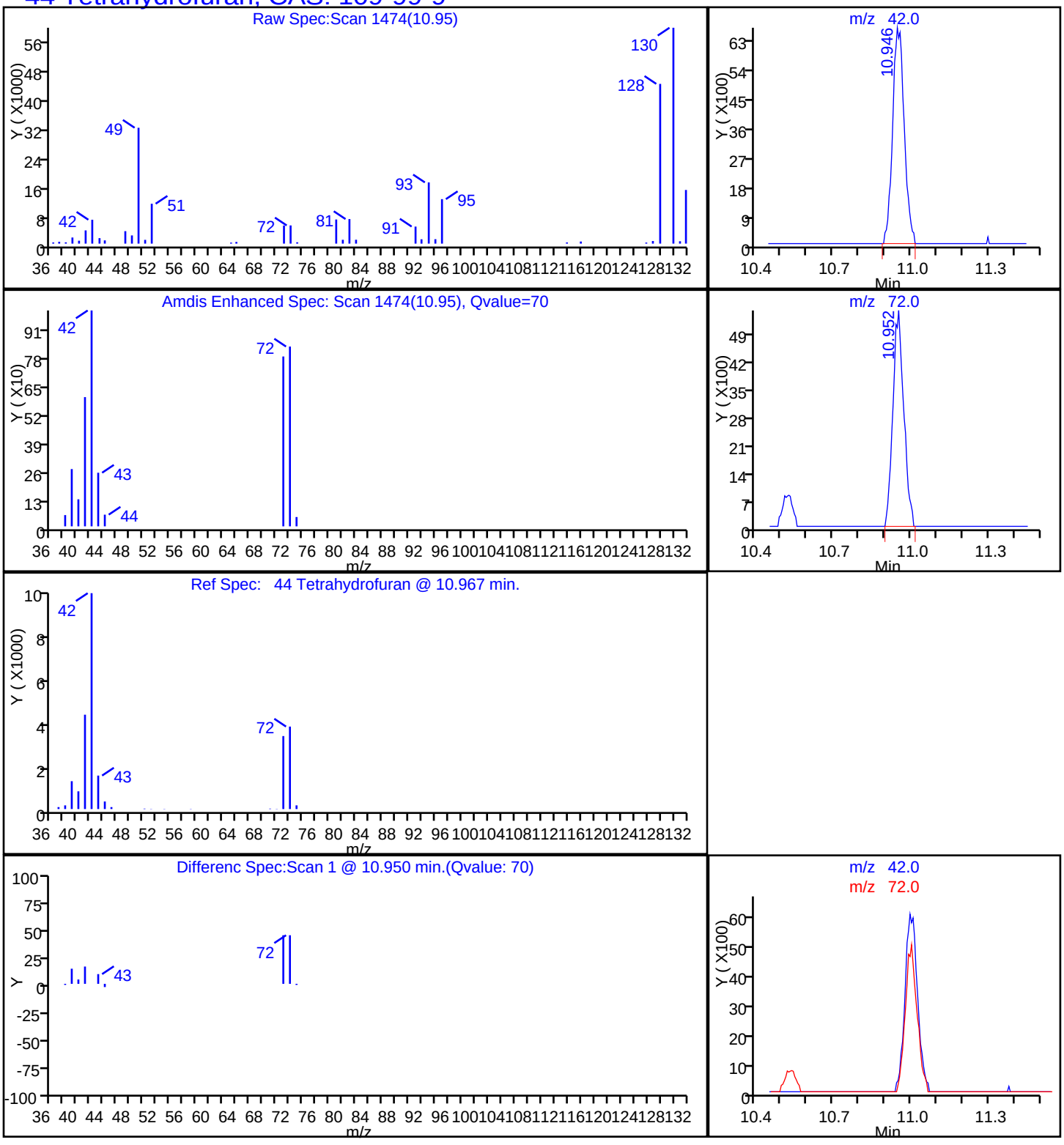
Report Date: 19-Feb-2014 11:01:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_08.D

Injection Date:	18-Feb-2014 18:28:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-7	Lab Sample ID:	200-20861-7		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Tetrahydrofuran, CAS: 109-99-9



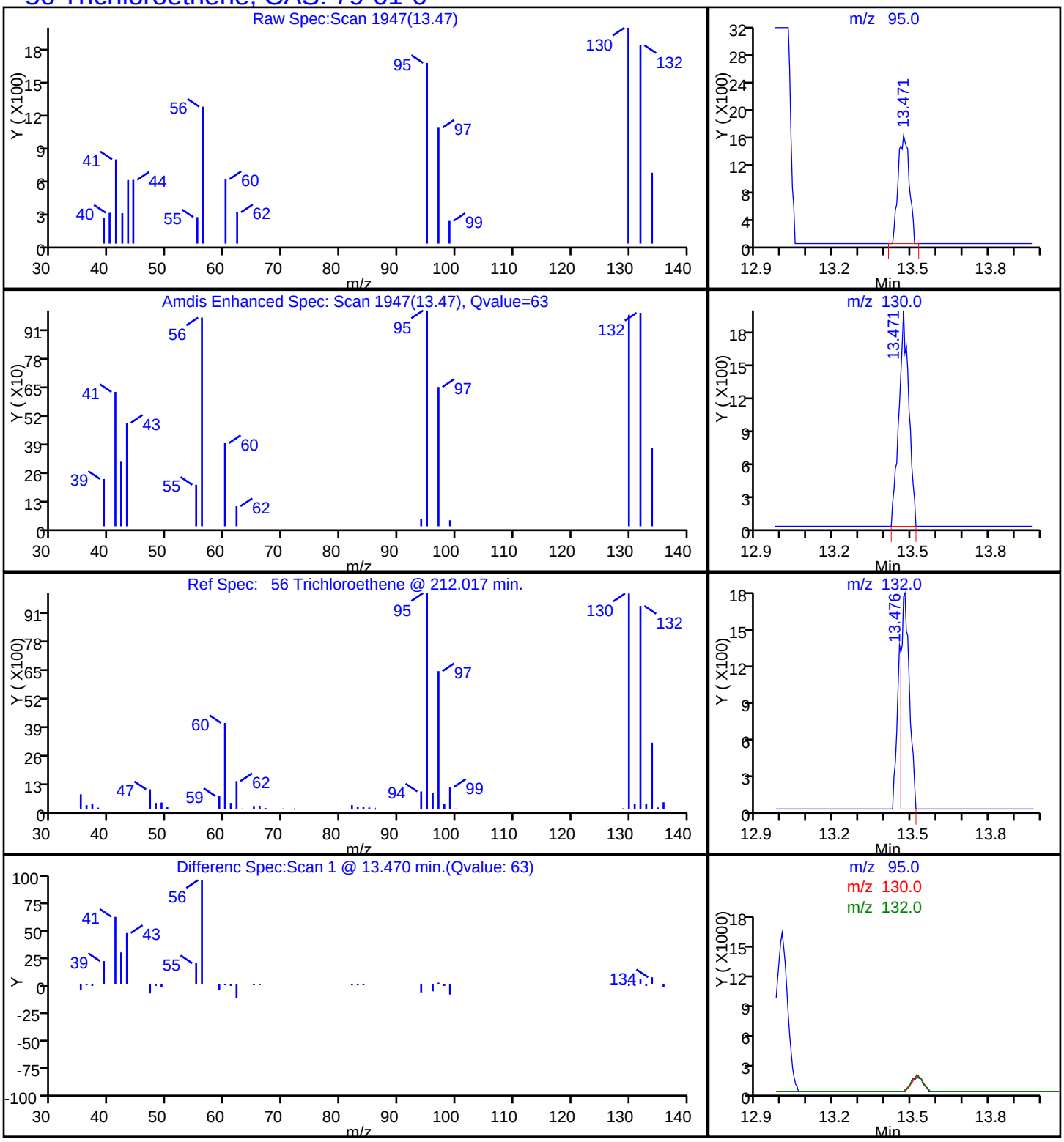
Report Date: 19-Feb-2014 11:01:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_08.D

Injection Date:	18-Feb-2014 18:28:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-7	Lab Sample ID:	200-20861-7		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



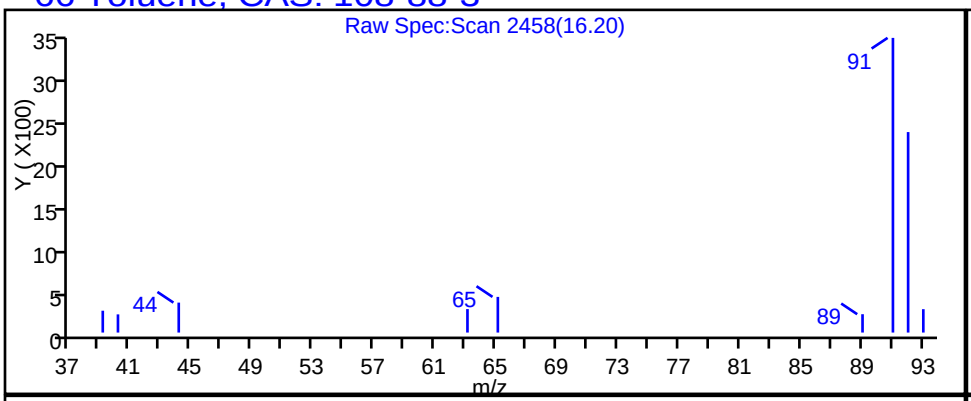
Report Date: 19-Feb-2014 11:01:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

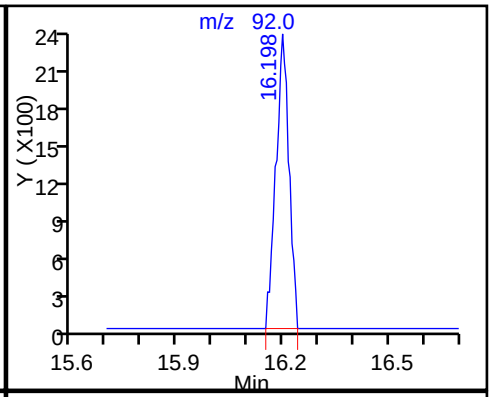
TestAmerica Burlington

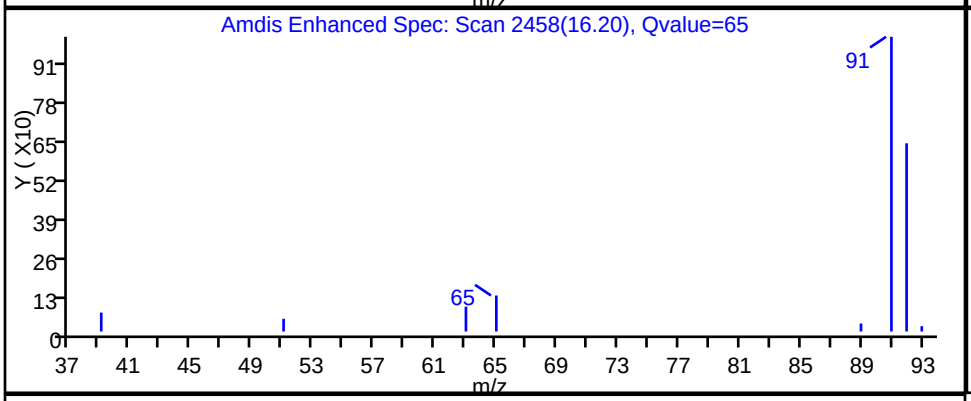
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_08.D

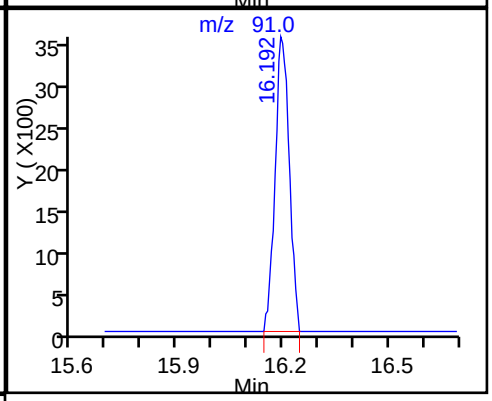
Injection Date:	18-Feb-2014 18:28:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-7	Lab Sample ID:	200-20861-7		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

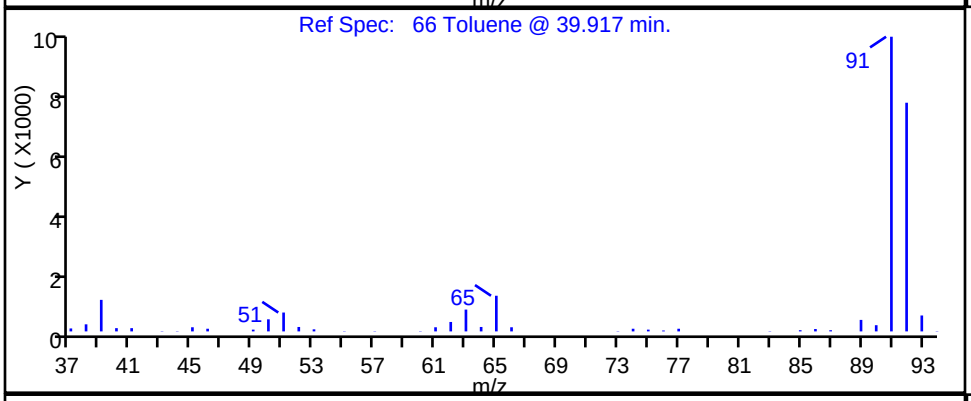
66 Toluene, CAS: 108-88-3

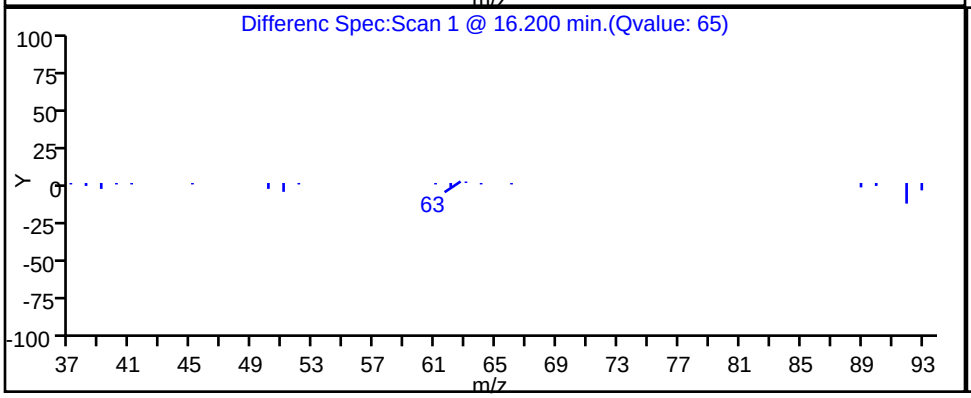


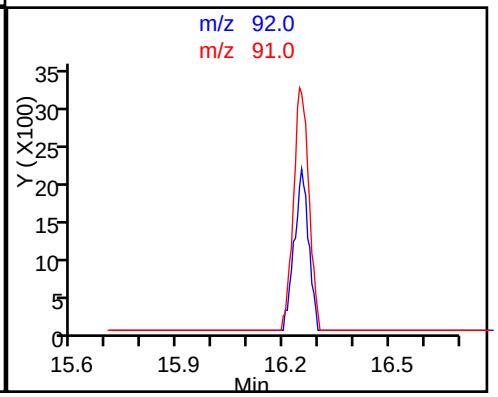












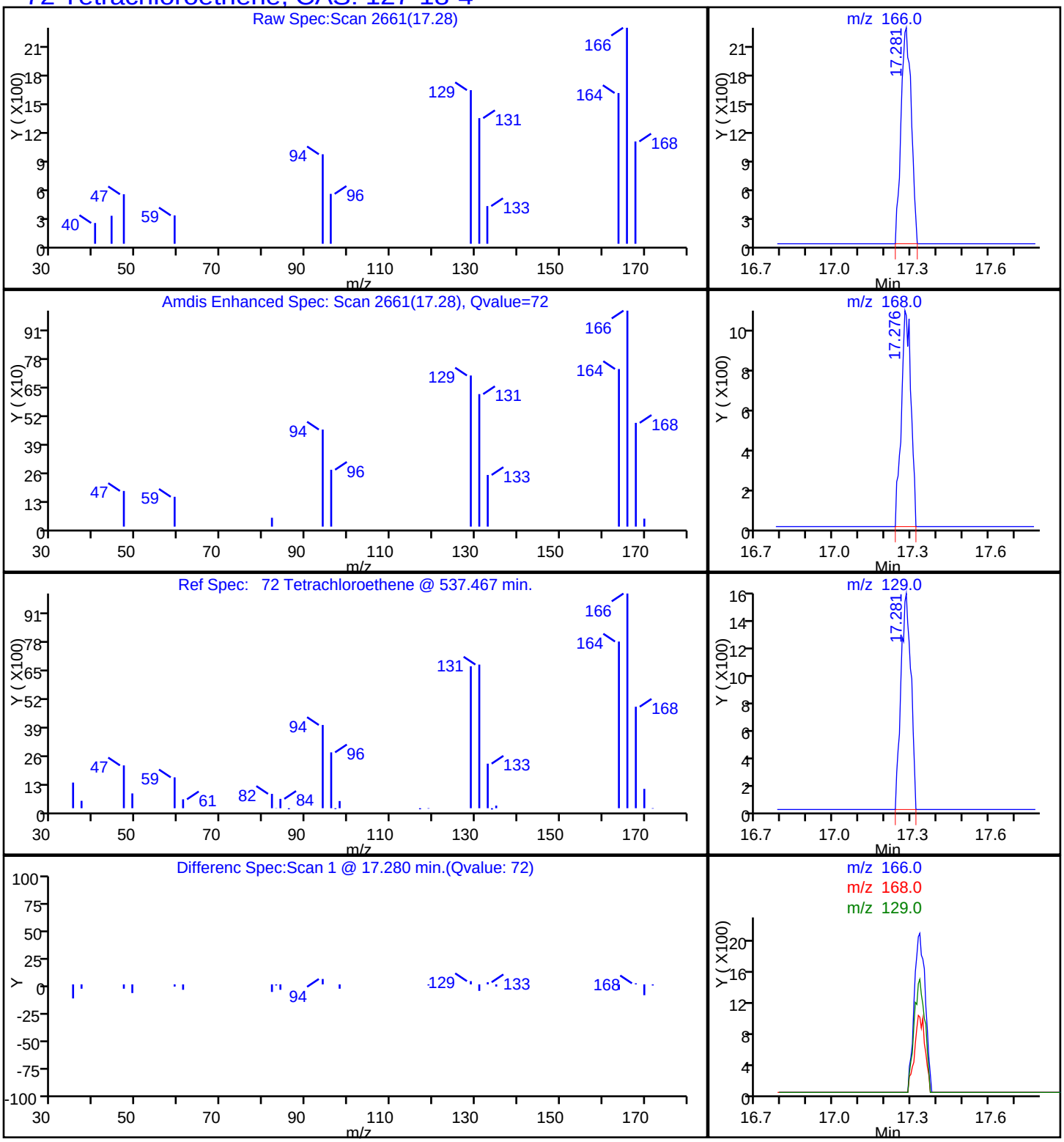
Report Date: 19-Feb-2014 11:01:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_08.D

Injection Date:	18-Feb-2014 18:28:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-7	Lab Sample ID:	200-20861-7		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



Manual Integration/User Assign Peak Report

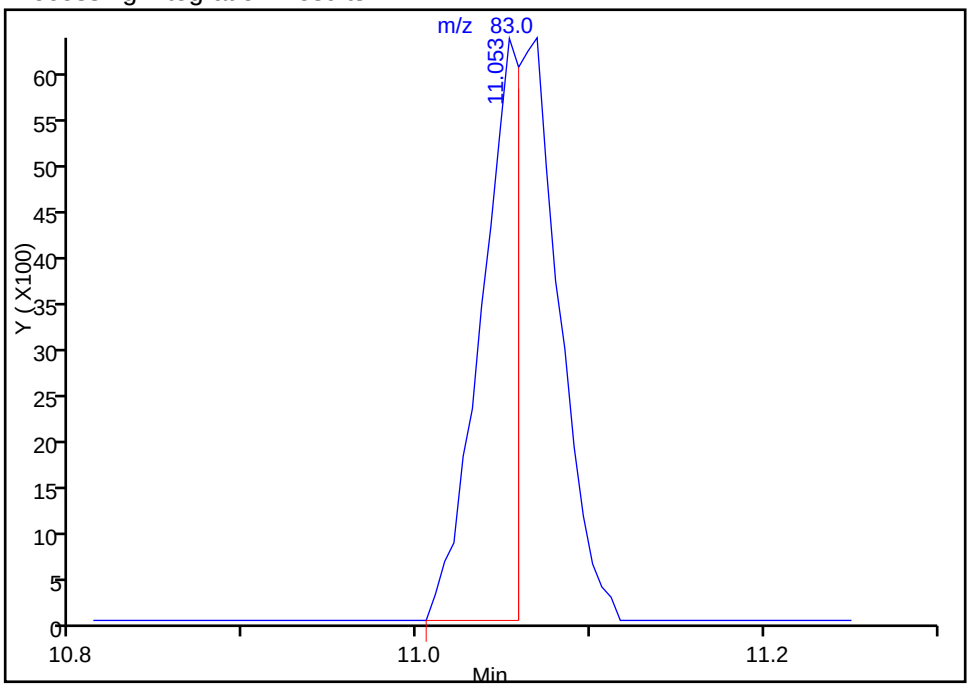
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_08.D				
Injection Date:	18-Feb-2014 18:28:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-7	Lab Sample ID:	200-20861-7		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3

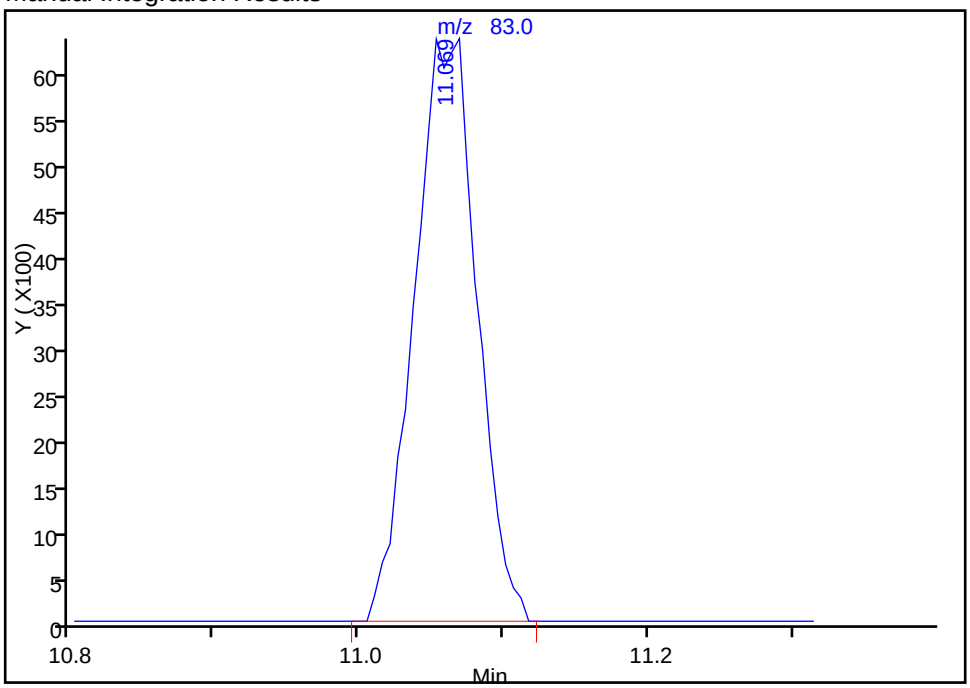
Processing Integration Results

RT: 11.05
Response: 9991
Amount: 0.161484



Manual Integration Results

RT: 11.07
Response: 19059
Amount: 0.308049



Reviewer: desjardinsb, 19-Feb-2014 11:01:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

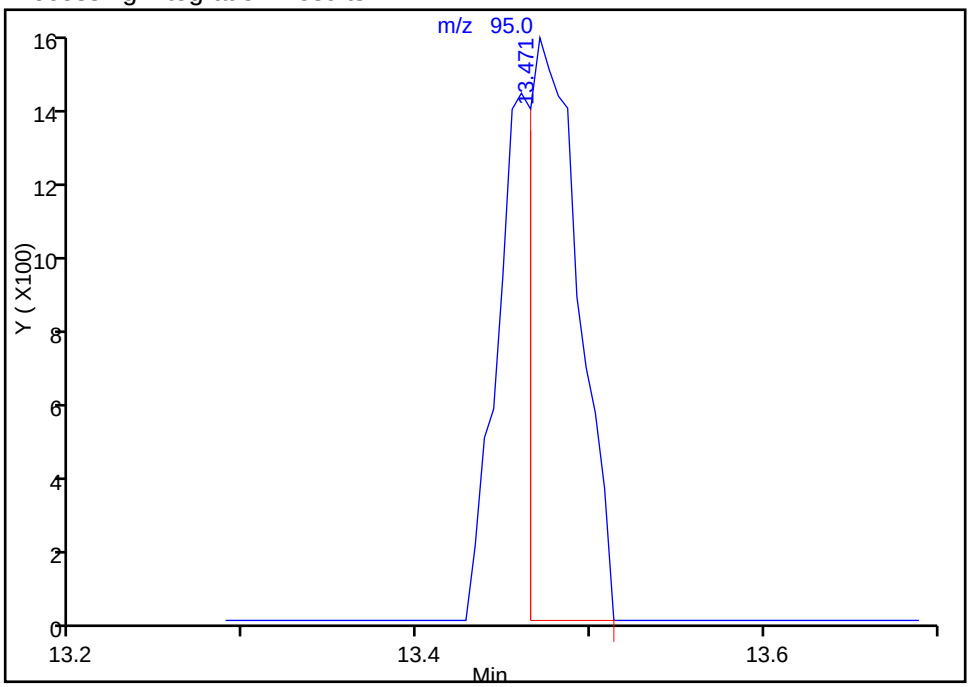
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_08.D				
Injection Date:	18-Feb-2014 18:28:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-7	Lab Sample ID:	200-20861-7		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

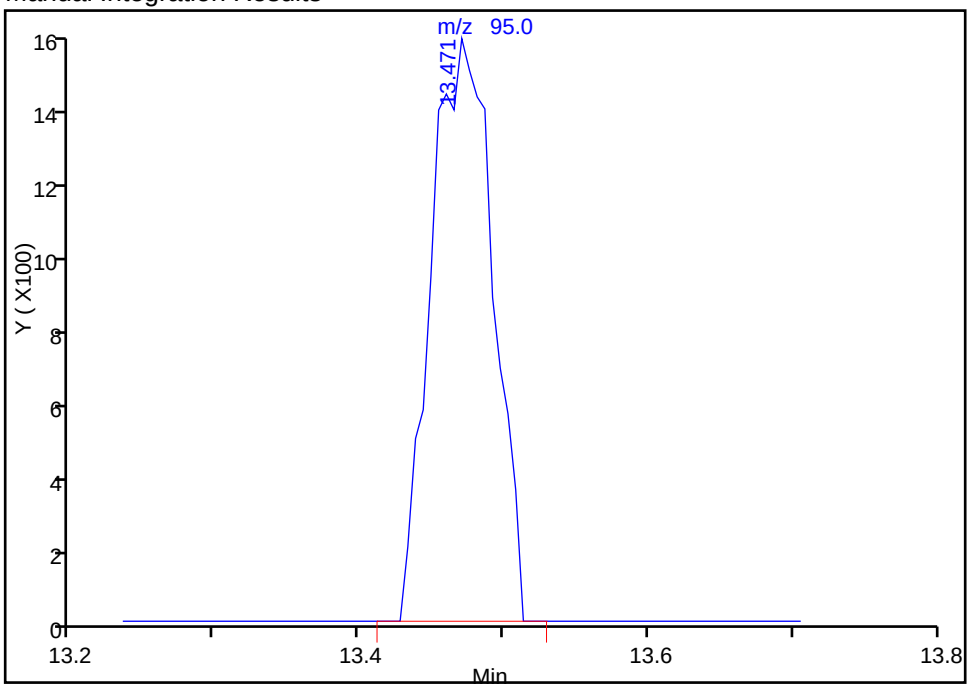
Processing Integration Results

RT: 13.47
Response: 3159
Amount: 0.063850



Manual Integration Results

RT: 13.47
Response: 4786
Amount: 0.096735



Reviewer: desjardinsb, 19-Feb-2014 11:01:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-8 Lab Sample ID: 200-20861-8

Matrix: Air Lab File ID: 6208_09.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:03

Sample wt/vol: 50(mL) Date Analyzed: 02/18/2014 19:20

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	1.4	J	2.0	0.12
75-45-6	Freon 22	86.47	1.1	J	2.0	0.19
76-14-2	Freon-114	170.92	0.80	U	0.80	0.14
74-87-3	Chloromethane	50.49	2.0	U	2.0	0.54
106-97-8	n-Butane	58.12	97		2.0	1.1
75-01-4	Vinyl chloride	62.50	0.16	U	0.16	0.15
106-99-0	1,3-Butadiene	54.09	0.80	U	0.80	0.17
74-83-9	Bromomethane	94.94	0.80	U	0.80	0.11
75-00-3	Chloroethane	64.52	2.0	U	2.0	0.12
593-60-2	Vinyl bromide	106.96	0.80	U	0.80	0.12
75-69-4	Freon 11	137.37	0.76	J	0.80	0.12
76-13-1	Freon 113	187.38	1.6		0.80	0.072
75-35-4	1,1-Dichloroethene	96.94	0.80	U	0.80	0.096
67-64-1	Acetone	58.08	10	J	20	5.0
67-63-0	Isopropyl alcohol	60.10	120		20	0.86
75-15-0	Carbon disulfide	76.14	2.0	U	2.0	0.26
107-05-1	Allyl chloride	76.53	2.0	U	2.0	0.14
75-09-2	Methylene Chloride	84.93	21		2.0	0.50
75-65-0	tert-Butyl alcohol	74.12	20	U	20	1.3
1634-04-4	Methyl tert-butyl ether	88.15	0.80	U	0.80	0.088
156-60-5	trans-1,2-Dichloroethene	96.94	0.47	J	0.80	0.12
110-54-3	Hexane	86.17	0.80	U	0.80	0.14
75-34-3	1,1-Dichloroethane	98.96	0.48	J	0.80	0.15
78-93-3	Methyl Ethyl Ketone	72.11	2.0	U	2.0	0.97
156-59-2	cis-1,2-Dichloroethene	96.94	0.96		0.80	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	1.4		0.80	0.26
67-66-3	Chloroform	119.38	16		0.80	0.10
109-99-9	Tetrahydrofuran	72.11	2.3	J	20	0.18
71-55-6	1,1,1-Trichloroethane	133.41	2.1		0.80	0.084
110-82-7	Cyclohexane	84.16	0.80	U	0.80	0.10
56-23-5	Carbon tetrachloride	153.81	0.16	U	0.16	0.084
540-84-1	2,2,4-Trimethylpentane	114.23	0.80	U	0.80	0.11
71-43-2	Benzene	78.11	0.18	J	0.80	0.076
107-06-2	1,2-Dichloroethane	98.96	0.80	U	0.80	0.068
142-82-5	Heptane	100.21	0.80	U	0.80	0.18

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-8 Lab Sample ID: 200-20861-8

Matrix: Air Lab File ID: 6208_09.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:03

Sample wt/vol: 50(mL) Date Analyzed: 02/18/2014 19:20

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	13		0.16	0.096
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.80	U	0.80	0.13
123-91-1	1,4-Dioxane	88.11	20	U	20	0.80
75-27-4	Bromodichloromethane	163.83	0.80	U	0.80	0.068
10061-01-5	cis-1,3-Dichloropropene	110.97	0.80	U	0.80	0.11
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	1.1		0.80	0.068
10061-02-6	trans-1,3-Dichloropropene	110.97	0.80	U	0.80	0.088
79-00-5	1,1,2-Trichloroethane	133.41	0.80	U	0.80	0.068
127-18-4	Tetrachloroethene	165.83	1.3		0.80	0.064
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.80
124-48-1	Dibromochloromethane	208.29	0.80	U	0.80	0.080
106-93-4	1,2-Dibromoethane	187.87	0.80	U	0.80	0.080
108-90-7	Chlorobenzene	112.56	0.80	U	0.80	0.032
100-41-4	Ethylbenzene	106.17	0.80	U	0.80	0.052
179601-23-1	m,p-Xylene	106.17	2.0	U	2.0	0.092
95-47-6	Xylene, o-	106.17	0.80	U	0.80	0.064
1330-20-7	Xylene (total)	106.17	0.80	U	0.80	0.14
100-42-5	Styrene	104.15	0.80	U	0.80	0.072
75-25-2	Bromoform	252.75	0.80	U	0.80	0.040
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.80	U	0.80	0.064
103-65-1	n-Propylbenzene	120.19	0.80	U	0.80	0.32
622-96-8	4-Ethyltoluene	120.20	0.80	U	0.80	0.072
108-67-8	1,3,5-Trimethylbenzene	120.20	0.80	U	0.80	0.048
95-49-8	2-Chlorotoluene	126.59	0.80	U	0.80	0.052
98-06-6	tert-Butylbenzene	134.22	0.80	U	0.80	0.068
95-63-6	1,2,4-Trimethylbenzene	120.20	0.80	U	0.80	0.056
135-98-8	sec-Butylbenzene	134.22	0.80	U	0.80	0.32
99-87-6	4-Isopropyltoluene	134.22	0.80	U	0.80	0.32
541-73-1	1,3-Dichlorobenzene	147.00	0.80	U	0.80	0.056
106-46-7	1,4-Dichlorobenzene	147.00	0.80	U	0.80	0.056
100-44-7	Benzyl chloride	126.58	0.80	U	0.80	0.32
104-51-8	n-Butylbenzene	134.22	0.80	U	0.80	0.32

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-8 Lab Sample ID: 200-20861-8

Matrix: Air Lab File ID: 6208_09.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:03

Sample wt/vol: 50(mL) Date Analyzed: 02/18/2014 19:20

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.80	U	0.80	0.056
120-82-1	1,2,4-Trichlorobenzene	181.45	2.0	U *	2.0	0.11
87-68-3	Hexachloro-1,3-butadiene	260.76	0.80	U	0.80	0.088
91-20-3	Naphthalene	128.17	2.0	U ^ *	2.0	0.80

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-8 Lab Sample ID: 200-20861-8

Matrix: Air Lab File ID: 6208_09.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:03

Sample wt/vol: 50(mL) Date Analyzed: 02/18/2014 19:20

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	7.1	J	9.9	0.59
75-45-6	Freon 22	86.47	3.9	J	7.1	0.68
76-14-2	Freon-114	170.92	5.6	U	5.6	0.98
74-87-3	Chloromethane	50.49	4.1	U	4.1	1.1
106-97-8	n-Butane	58.12	230		4.8	2.7
75-01-4	Vinyl chloride	62.50	0.41	U	0.41	0.39
106-99-0	1,3-Butadiene	54.09	1.8	U	1.8	0.37
74-83-9	Bromomethane	94.94	3.1	U	3.1	0.43
75-00-3	Chloroethane	64.52	5.3	U	5.3	0.32
593-60-2	Vinyl bromide	106.96	3.5	U	3.5	0.52
75-69-4	Freon 11	137.37	4.3	J	4.5	0.67
76-13-1	Freon 113	187.38	12		6.1	0.55
75-35-4	1,1-Dichloroethene	96.94	3.2	U	3.2	0.38
67-64-1	Acetone	58.08	24	J	48	12
67-63-0	Isopropyl alcohol	60.10	310		49	2.1
75-15-0	Carbon disulfide	76.14	6.2	U	6.2	0.82
107-05-1	Allyl chloride	76.53	6.3	U	6.3	0.43
75-09-2	Methylene Chloride	84.93	74		6.9	1.7
75-65-0	tert-Butyl alcohol	74.12	61	U	61	4.0
1634-04-4	Methyl tert-butyl ether	88.15	2.9	U	2.9	0.32
156-60-5	trans-1,2-Dichloroethene	96.94	1.8	J	3.2	0.46
110-54-3	Hexane	86.17	2.8	U	2.8	0.48
75-34-3	1,1-Dichloroethane	98.96	1.9	J	3.2	0.62
78-93-3	Methyl Ethyl Ketone	72.11	5.9	U	5.9	2.9
156-59-2	cis-1,2-Dichloroethene	96.94	3.8		3.2	0.60
540-59-0	1,2-Dichloroethene, Total	96.94	5.7		3.2	1.0
67-66-3	Chloroform	119.38	77		3.9	0.49
109-99-9	Tetrahydrofuran	72.11	6.6	J	59	0.54
71-55-6	1,1,1-Trichloroethane	133.41	11		4.4	0.46
110-82-7	Cyclohexane	84.16	2.8	U	2.8	0.34
56-23-5	Carbon tetrachloride	153.81	1.0	U	1.0	0.53
540-84-1	2,2,4-Trimethylpentane	114.23	3.7	U	3.7	0.50
71-43-2	Benzene	78.11	0.59	J	2.6	0.24
107-06-2	1,2-Dichloroethane	98.96	3.2	U	3.2	0.28
142-82-5	Heptane	100.21	3.3	U	3.3	0.75

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-8 Lab Sample ID: 200-20861-8

Matrix: Air Lab File ID: 6208_09.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:03

Sample wt/vol: 50(mL) Date Analyzed: 02/18/2014 19:20

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	67		0.86	0.52
80-62-6	Methyl methacrylate	100.12	8.2	U	8.2	0.49
78-87-5	1,2-Dichloropropane	112.99	3.7	U	3.7	0.59
123-91-1	1,4-Dioxane	88.11	72	U	72	2.9
75-27-4	Bromodichloromethane	163.83	5.4	U	5.4	0.46
10061-01-5	cis-1,3-Dichloropropene	110.97	3.6	U	3.6	0.51
108-10-1	methyl isobutyl ketone	100.16	8.2	U	8.2	0.44
108-88-3	Toluene	92.14	4.0		3.0	0.26
10061-02-6	trans-1,3-Dichloropropene	110.97	3.6	U	3.6	0.40
79-00-5	1,1,2-Trichloroethane	133.41	4.4	U	4.4	0.37
127-18-4	Tetrachloroethene	165.83	9.0		5.4	0.43
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.2	U	8.2	3.3
124-48-1	Dibromochloromethane	208.29	6.8	U	6.8	0.68
106-93-4	1,2-Dibromoethane	187.87	6.1	U	6.1	0.61
108-90-7	Chlorobenzene	112.56	3.7	U	3.7	0.15
100-41-4	Ethylbenzene	106.17	3.5	U	3.5	0.23
179601-23-1	m,p-Xylene	106.17	8.7	U	8.7	0.40
95-47-6	Xylene, o-	106.17	3.5	U	3.5	0.28
1330-20-7	Xylene (total)	106.17	3.5	U	3.5	0.59
100-42-5	Styrene	104.15	3.4	U	3.4	0.31
75-25-2	Bromoform	252.75	8.3	U	8.3	0.41
79-34-5	1,1,2,2-Tetrachloroethane	167.85	5.5	U	5.5	0.44
103-65-1	n-Propylbenzene	120.19	3.9	U	3.9	1.6
622-96-8	4-Ethyltoluene	120.20	3.9	U	3.9	0.35
108-67-8	1,3,5-Trimethylbenzene	120.20	3.9	U	3.9	0.24
95-49-8	2-Chlorotoluene	126.59	4.1	U	4.1	0.27
98-06-6	tert-Butylbenzene	134.22	4.4	U	4.4	0.37
95-63-6	1,2,4-Trimethylbenzene	120.20	3.9	U	3.9	0.28
135-98-8	sec-Butylbenzene	134.22	4.4	U	4.4	1.8
99-87-6	4-Isopropyltoluene	134.22	4.4	U	4.4	1.8
541-73-1	1,3-Dichlorobenzene	147.00	4.8	U	4.8	0.34
106-46-7	1,4-Dichlorobenzene	147.00	4.8	U	4.8	0.34
100-44-7	Benzyl chloride	126.58	4.1	U	4.1	1.7
104-51-8	n-Butylbenzene	134.22	4.4	U	4.4	1.8

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SDS-8 Lab Sample ID: 200-20861-8

Matrix: Air Lab File ID: 6208_09.D

Analysis Method: TO-15 Date Collected: 02/07/2014 09:03

Sample wt/vol: 50(mL) Date Analyzed: 02/18/2014 19:20

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	4.8	U	4.8	0.34
120-82-1	1,2,4-Trichlorobenzene	181.45	15	U *	15	0.80
87-68-3	Hexachloro-1,3-butadiene	260.76	8.5	U	8.5	0.94
91-20-3	Naphthalene	128.17	10	U ^ *	10	4.2

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D
Lims ID: 200-20861-A-8 Lab Sample ID: 200-20861-8
Client ID: SDS-8
Sample Type: Client
Inject. Date: 18-Feb-2014 19:20:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 4.0000
Sample Info: 200-0006208-009
Misc. Info.: 20861-8
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Feb-2014 11:04:06 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: desjardinsb Date: 19-Feb-2014 11:04:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.256	3.256	0.0	90	20238	0.3605	
6 Chlorodifluoromethane	51	3.314	3.320	-0.006	50	4720	0.2733	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.549					
8 Chloromethane	50		3.699					
9 Butane	43	3.912	3.918	-0.006	97	307524	24.2	
10 Vinyl chloride	62		3.971					
11 Butadiene	54		4.056					
12 Bromomethane	94		4.798					
13 Chloroethane	64		5.054					
15 Vinyl bromide	106		5.471					
16 Trichlorofluoromethane	101	5.577	5.577	0.0	59	12546	0.1895	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.709	6.720	-0.011	82	19511	0.4007	
23 1,1-Dichloroethene	96		6.762					
25 Acetone	43	7.056	7.045	0.011	84	32998	2.53	
26 Carbon disulfide	76		7.152					
28 Isopropyl alcohol	45	7.360	7.360	0.0	98	298134	31.0	
29 3-Chloro-1-propene	41		7.595					
31 Methylene Chloride	49	7.899	7.904	-0.005	71	59769	5.33	
32 2-Methyl-2-propanol	59		8.166					
33 Methyl tert-butyl ether	73		8.321					
34 trans-1,2-Dichloroethene	61	8.347	8.353	-0.006	32	2523	0.1163	
36 Hexane	57		8.748					
37 1,1-Dichloroethane	63	9.265	9.271	-0.006	17	3668	0.1195	
S 39 1,2-Dichloroethene, Total	61				0		0.3558	
40 cis-1,2-Dichloroethene	96	10.434	10.434	0.0	62	7581	0.2395	
41 2-Butanone (MEK)	72		10.514					
* 43 Chlorobromomethane	128	10.920	10.925	-0.005	68	333603	10.0	
44 Tetrahydrofuran	42	10.957	10.941	0.016	75	6264	0.5626	
45 Chloroform	83	11.058	11.064	-0.006	98	231836	3.94	
46 Cyclohexane	84		11.299					
47 1,1,1-Trichloroethane	97	11.341	11.341	0.0	82	32190	0.5231	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	49	Carbon tetrachloride	117		11.597					
	50	Isooctane	57		12.051					
	51	Benzene	78	12.099	12.099	0.0	1	4117	0.0459	
	52	1,2-Dichloroethane	62		12.307					
	53	n-Heptane	43		12.462					
*	54	1,4-Difluorobenzene	114	12.990	12.996	-0.006	93	1728044	10.0	
	56	Trichloroethene	95	13.471	13.476	-0.005	98	145202	3.14	
	58	1,2-Dichloropropane	63		14.074					
	59	Methyl methacrylate	69		14.255					
	60	1,4-Dioxane	88		14.319					
	62	Dichlorobromomethane	83		14.645					
	64	cis-1,3-Dichloropropene	75		15.605					
	65	4-Methyl-2-pentanone (MIBK)	43		15.915					
	66	Toluene	92	16.198	16.203	-0.005	78	20323	0.2651	
	70	trans-1,3-Dichloropropene	75		16.817					
	71	1,1,2-Trichloroethane	83		17.196					
	72	Tetrachloroethene	166	17.281	17.287	-0.006	93	22328	0.3335	
	73	2-Hexanone	43		17.655					
	74	Chlorodibromomethane	129		17.964					
	75	Ethylene Dibromide	107		18.242					
*	76	Chlorobenzene-d5	117	19.133	19.139	-0.006	84	1556344	10.0	
	77	Chlorobenzene	112		19.197					
	79	Ethylbenzene	91		19.347					
	81	m-Xylene & p-Xylene	106		19.598					
S	82	Xylenes, Total	106		20.100					
	83	o-Xylene	106		20.403					
	84	Styrene	104		20.457					
	85	Bromoform	173		20.852					
$	87	4-Bromofluorobenzene	95	21.391	21.391	0.0	92	1150004	NC	
	88	1,1,2,2-Tetrachloroethane	83		21.658					
	89	N-Propylbenzene	91		21.722					
	92	4-Ethyltoluene	105		21.898					
	93	2-Chlorotoluene	91		21.914					
	94	1,3,5-Trimethylbenzene	105		21.999					
	96	tert-Butylbenzene	119		22.474					
	97	1,2,4-Trimethylbenzene	105		22.565					
	98	sec-Butylbenzene	105		22.784					
	99	4-Isopropyltoluene	119		22.981					
	100	1,3-Dichlorobenzene	146		23.018					
	101	1,4-Dichlorobenzene	146		23.157					
	102	Benzyl chloride	91		23.365					
	103	n-Butylbenzene	91		23.573					
	105	1,2-Dichlorobenzene	146		23.712					
	107	1,2,4-Trichlorobenzene	180		26.343					
	108	Hexachlorobutadiene	225		26.530					
	109	Naphthalene	128		26.872					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

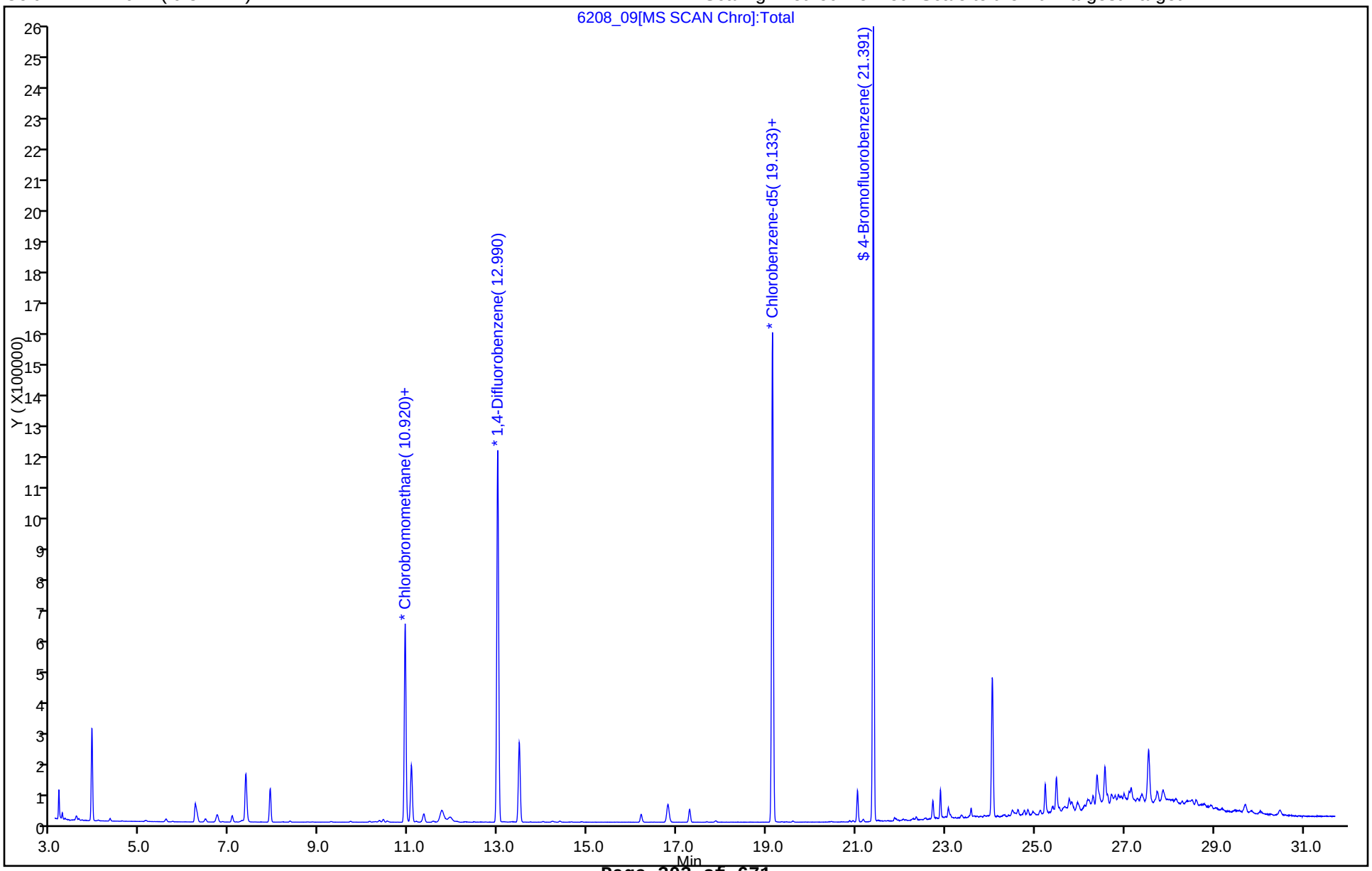
Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D

Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-20861-A-8	Lab Sample ID:	200-20861-8	Worklist Smp#:	9
Client ID:	SDS-8				
Purge Vol:	200.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

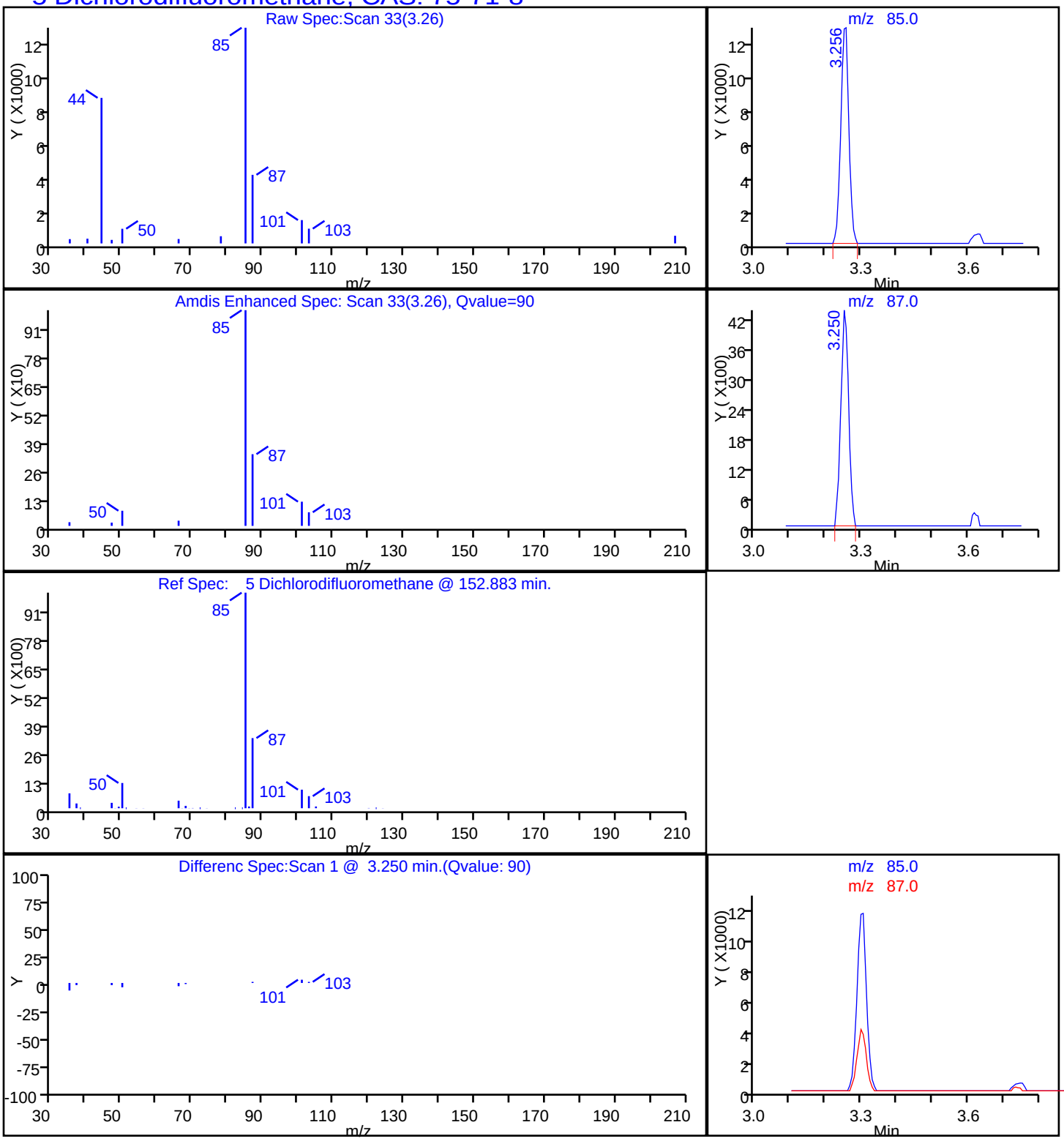


Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D				
Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-8	Lab Sample ID:	200-20861-8		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Dichlorodifluoromethane, CAS: 75-71-8



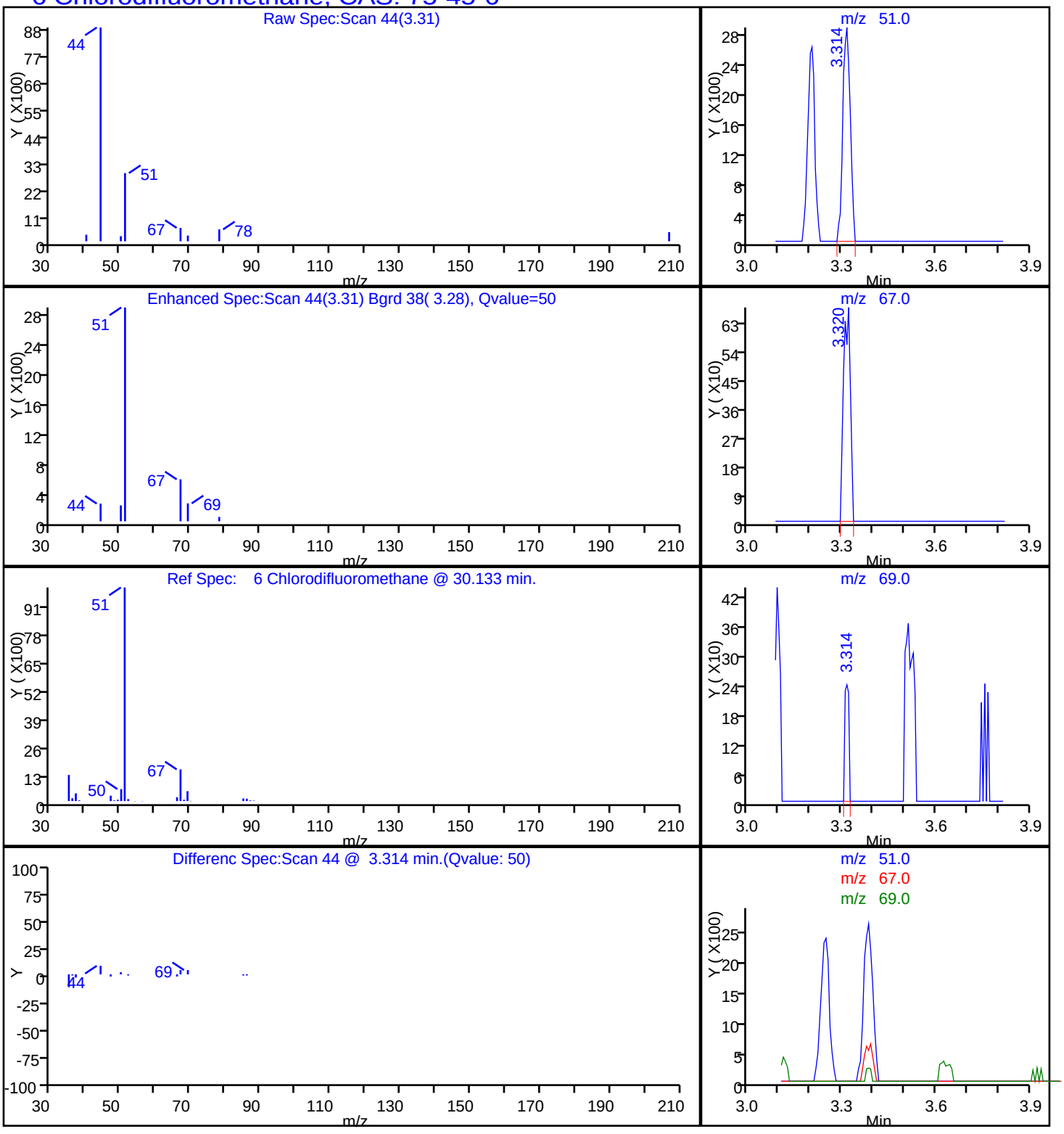
Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D

Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-8	Lab Sample ID:	200-20861-8		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



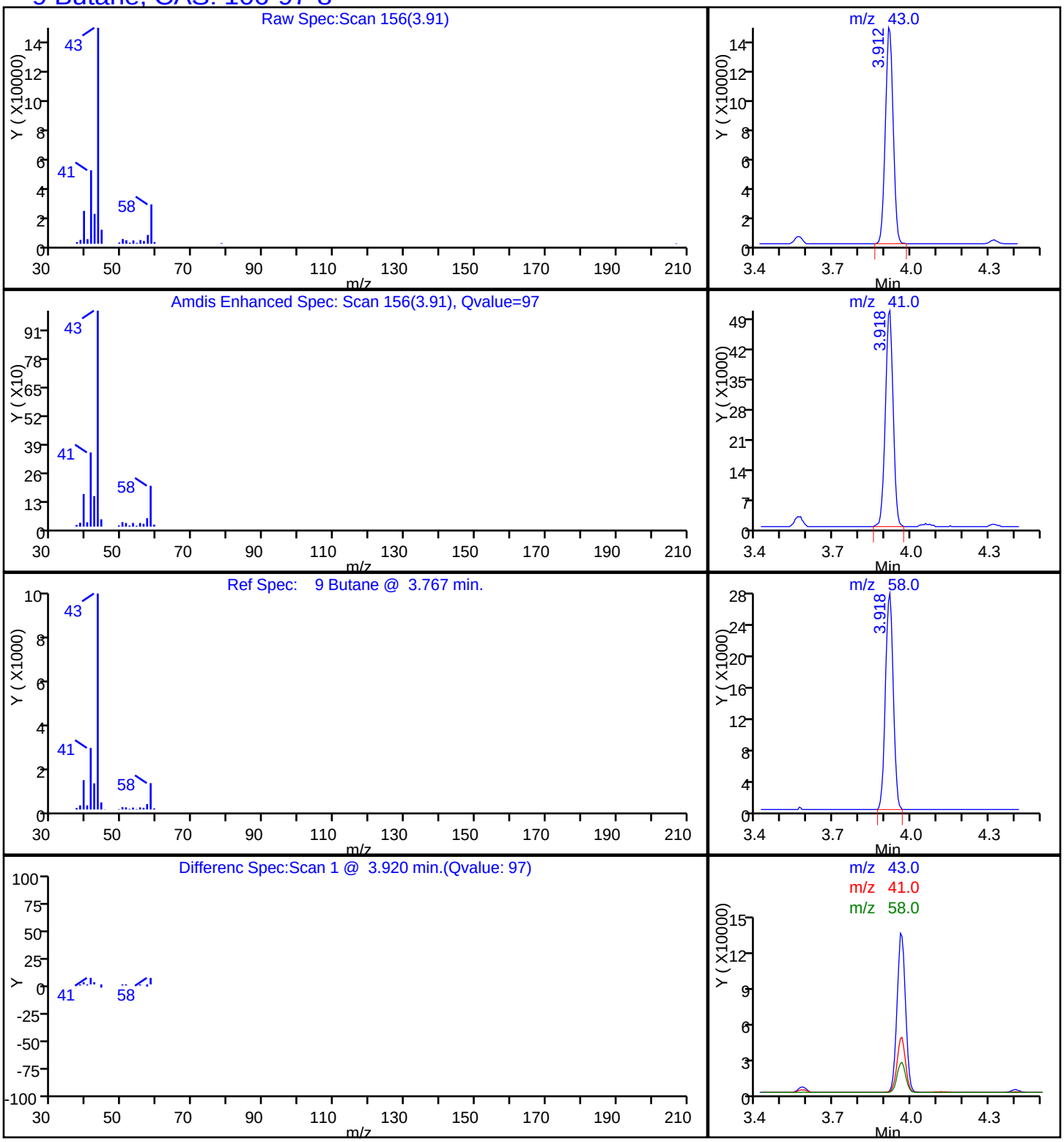
Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D

Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-8	Lab Sample ID:	200-20861-8		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



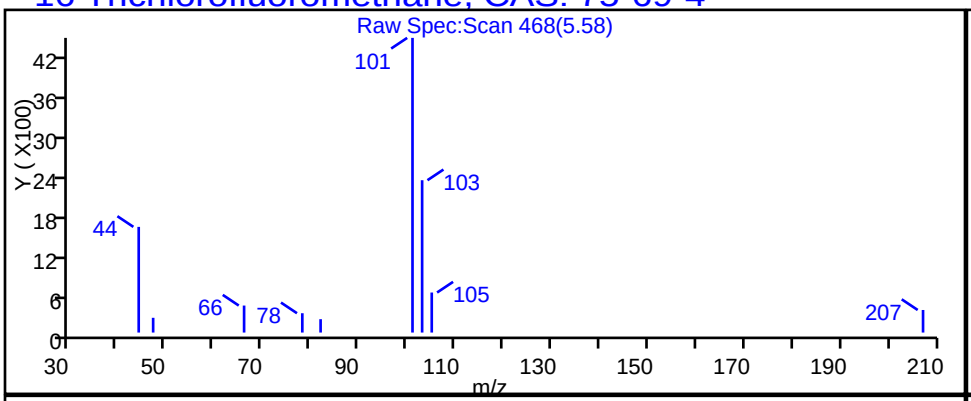
Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

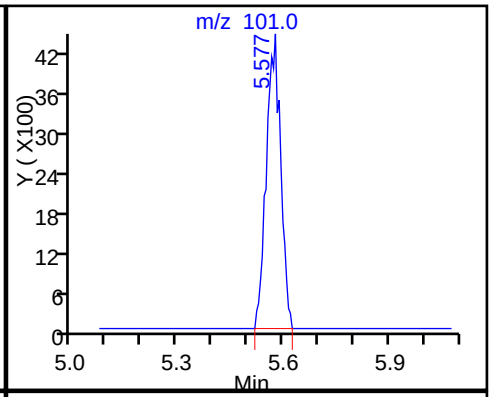
TestAmerica Burlington

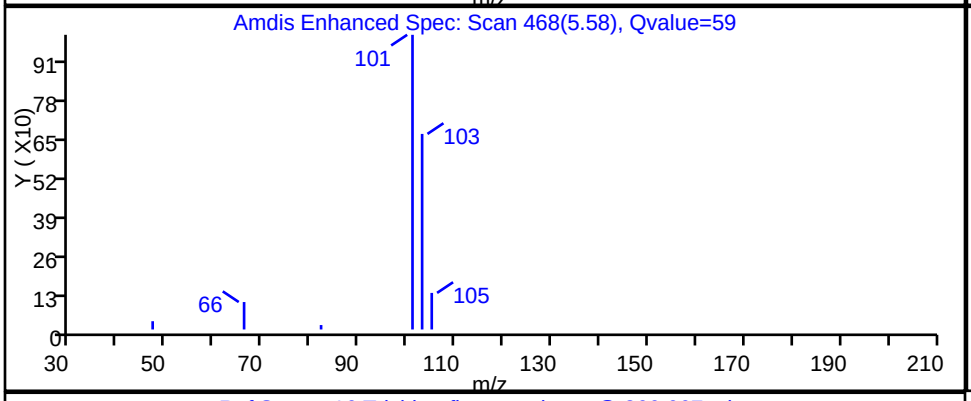
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D

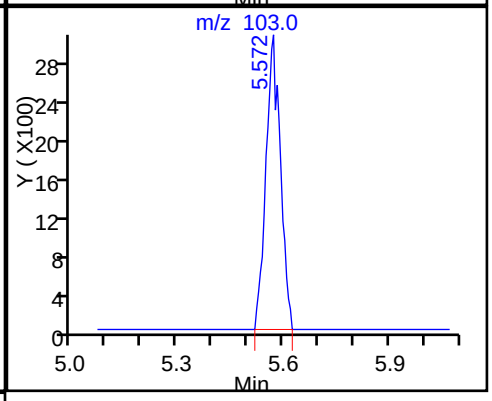
Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-8	Lab Sample ID:	200-20861-8		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

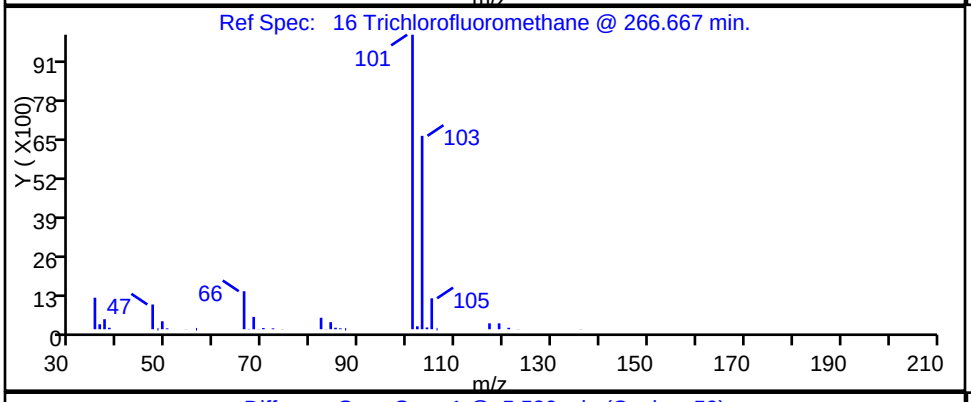
16 Trichlorofluoromethane, CAS: 75-69-4

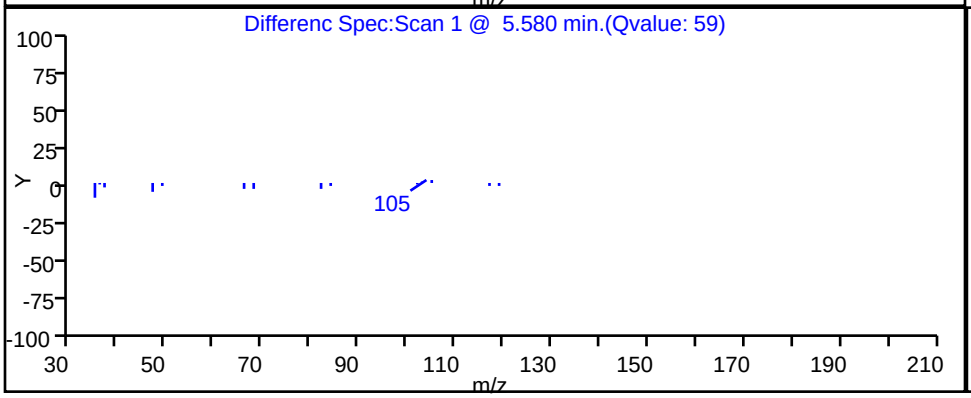


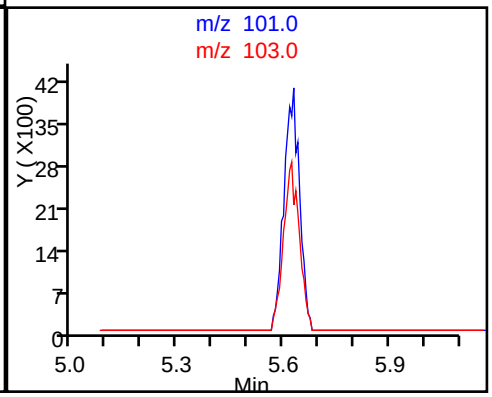












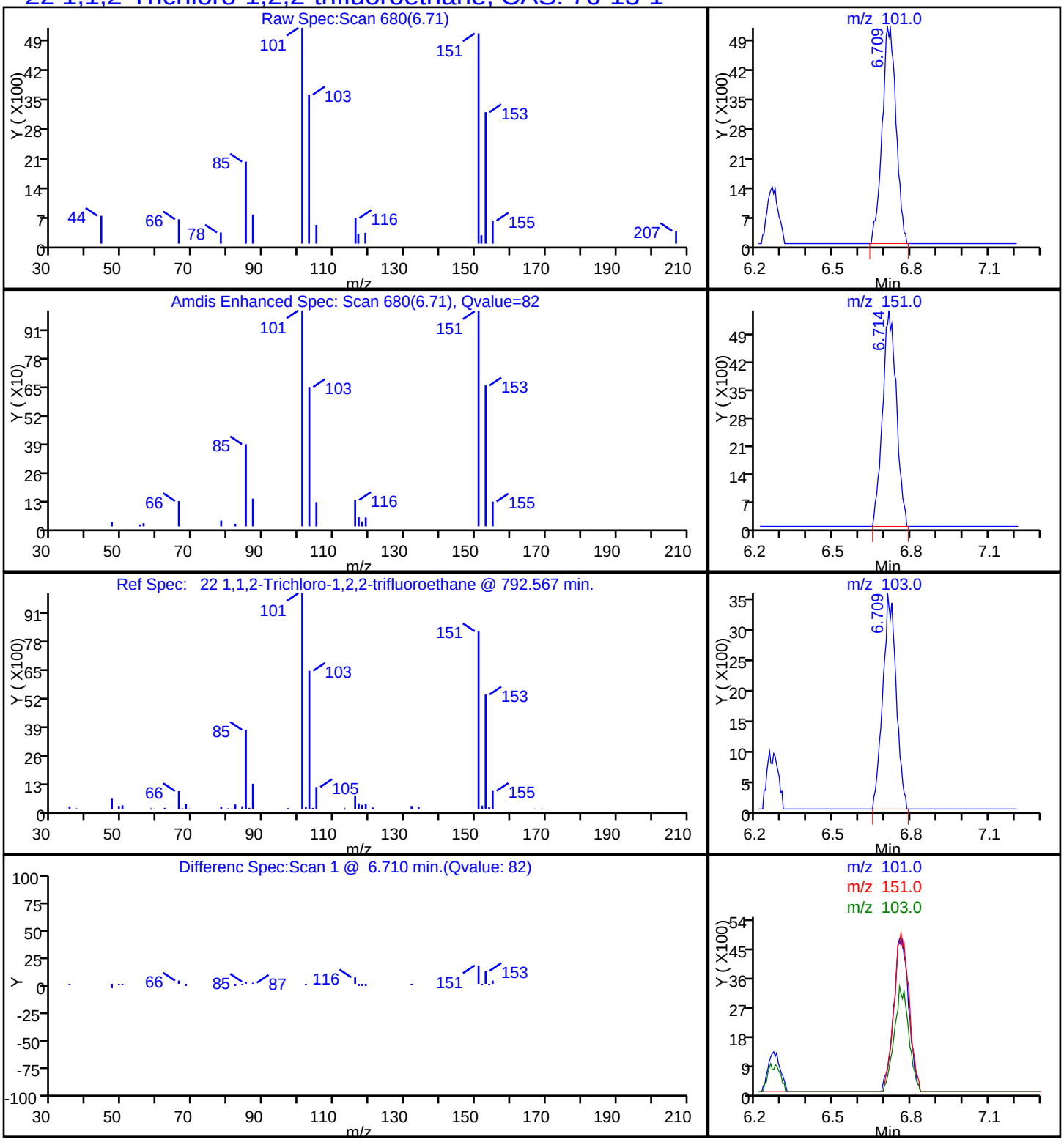
Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D

Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-8	Lab Sample ID:	200-20861-8		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

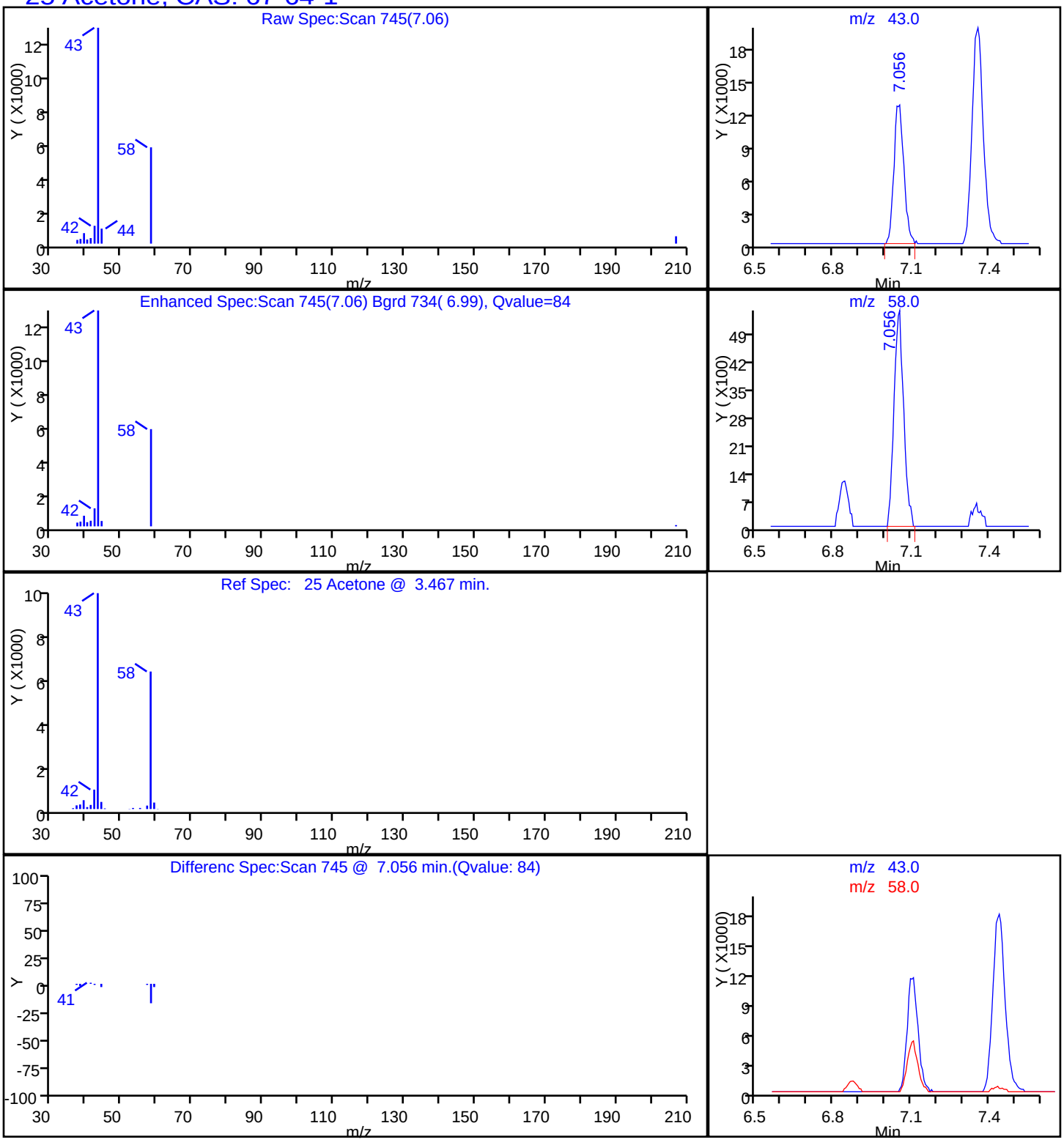


Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D				
Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-8	Lab Sample ID:	200-20861-8		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



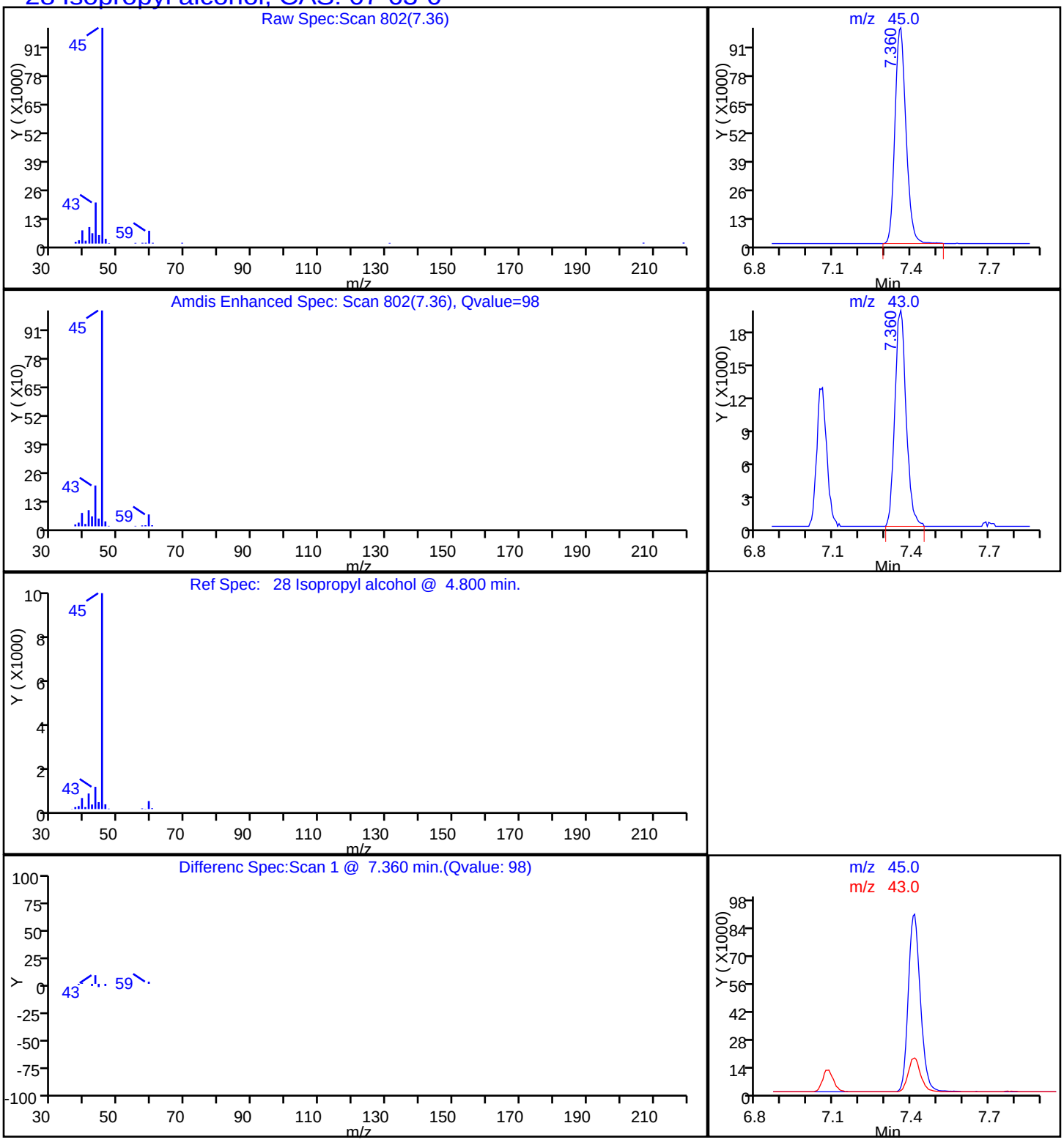
Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D

Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-8	Lab Sample ID:	200-20861-8		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 Isopropyl alcohol, CAS: 67-63-0



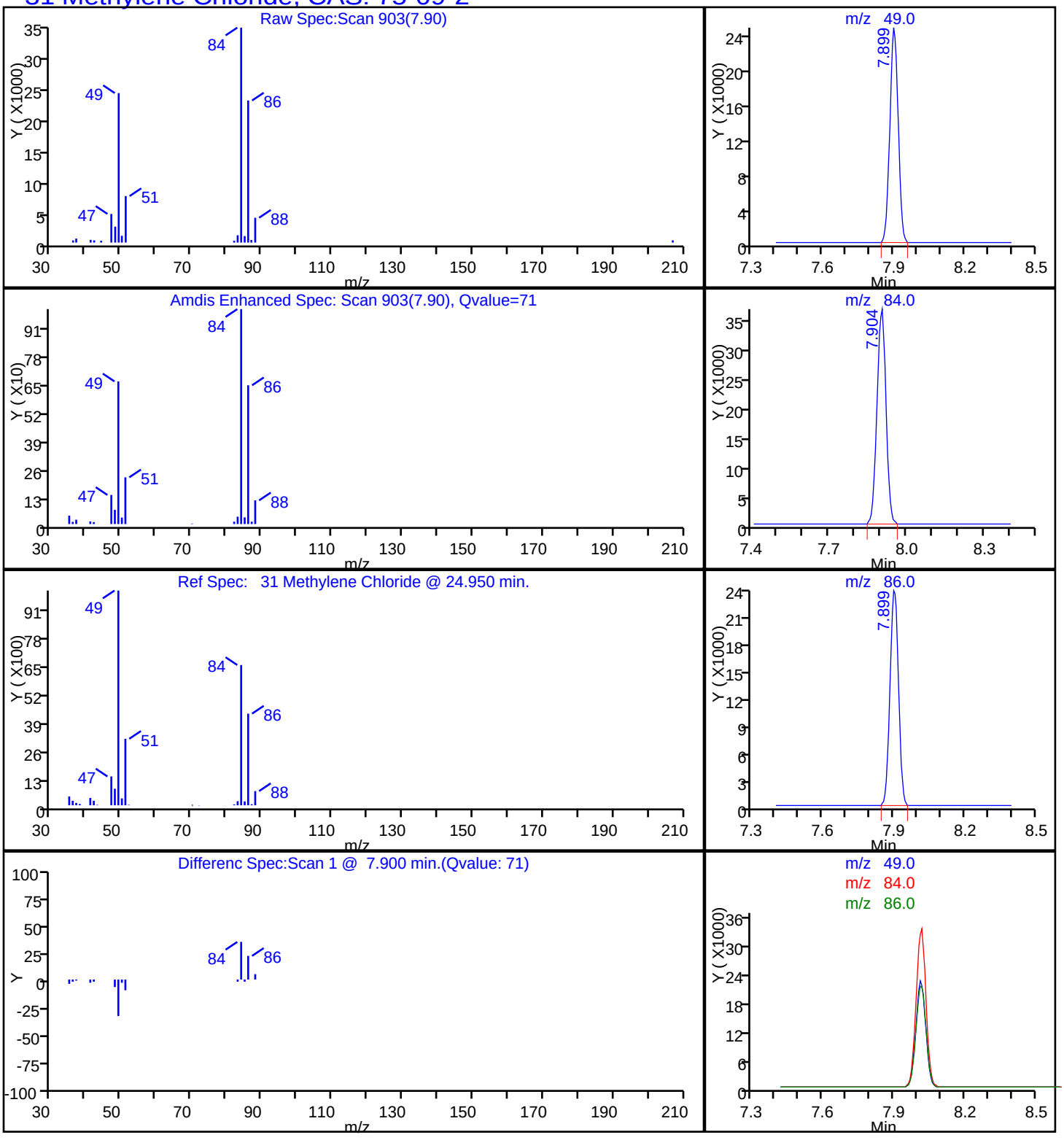
Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D

Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-8	Lab Sample ID:	200-20861-8		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



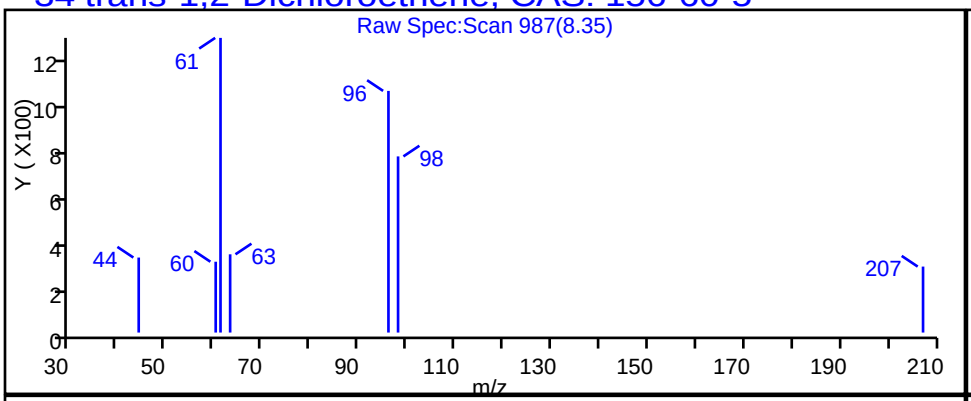
Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

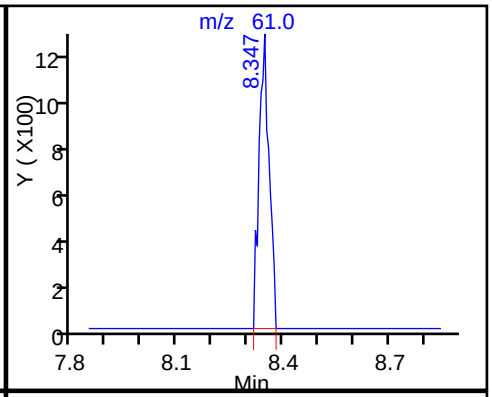
TestAmerica Burlington

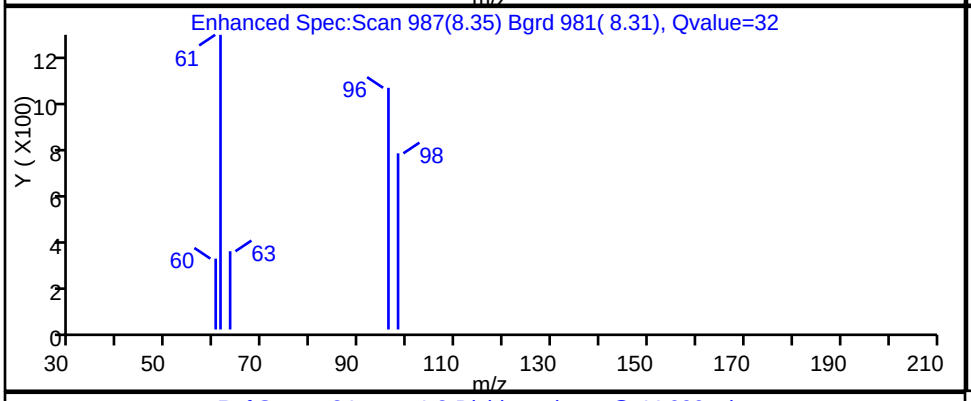
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D

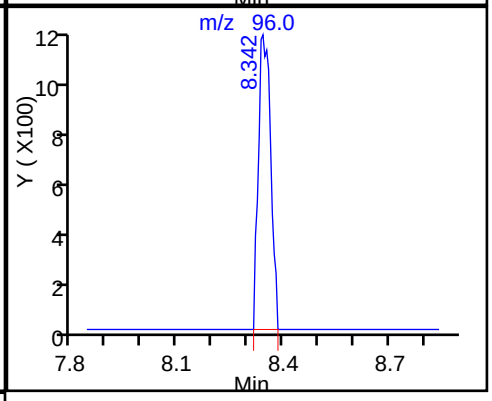
Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-8	Lab Sample ID:	200-20861-8		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

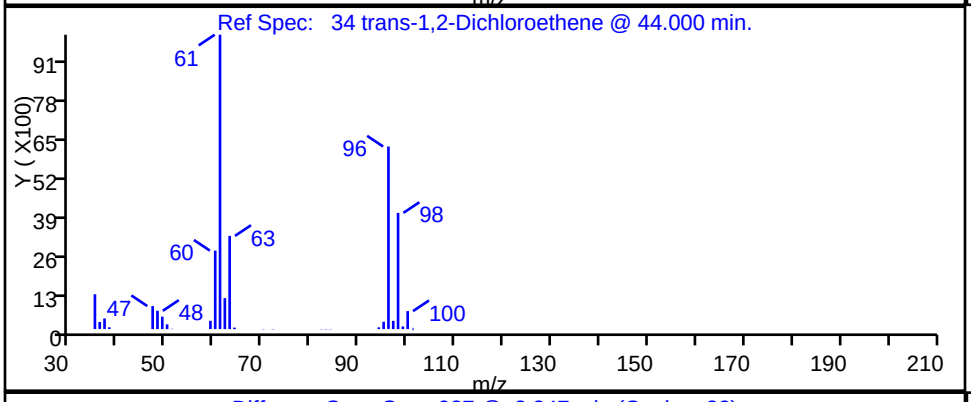
34 trans-1,2-Dichloroethene, CAS: 156-60-5

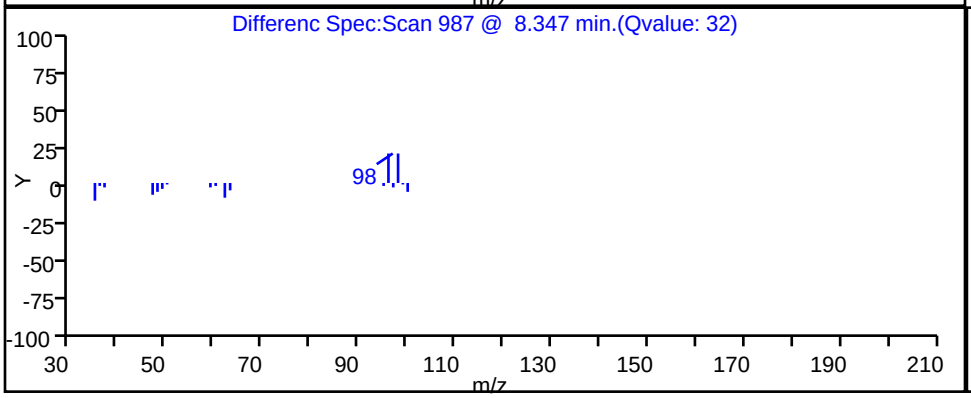


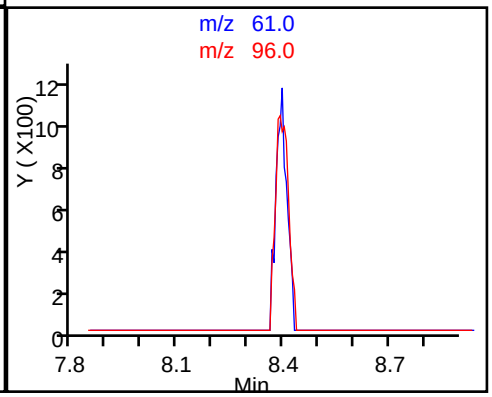












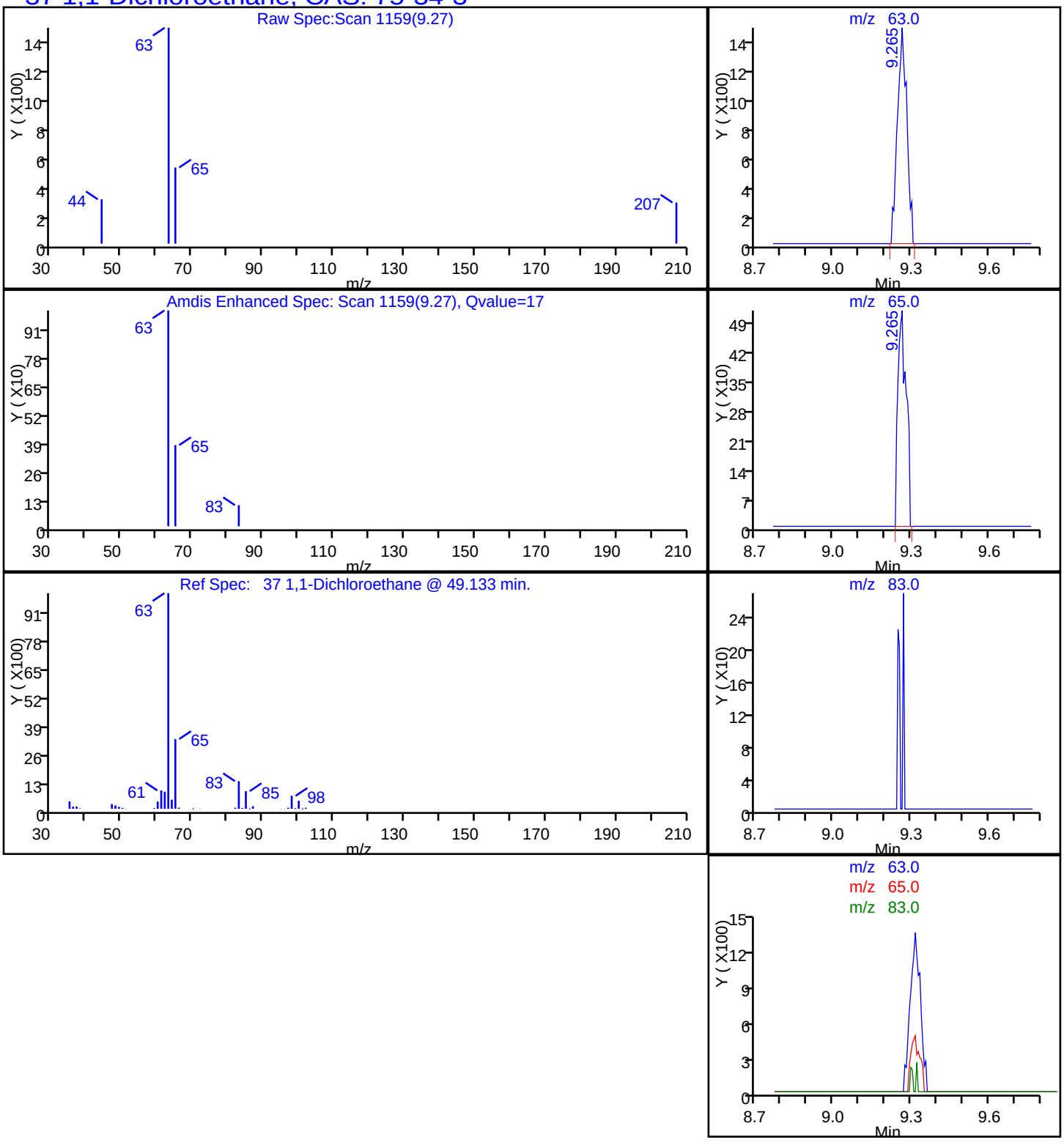
Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D

Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-8	Lab Sample ID:	200-20861-8		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



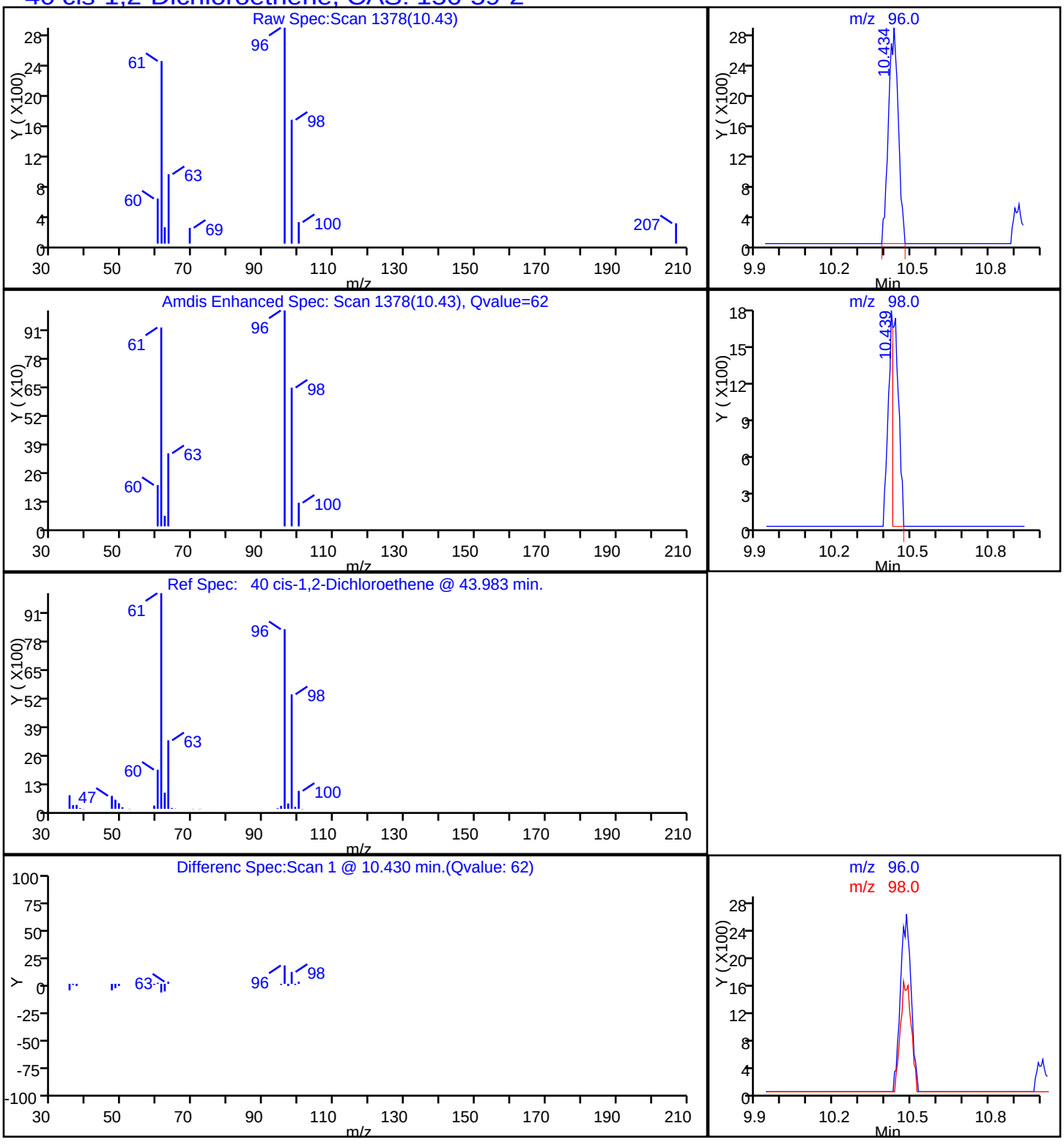
Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D

Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-8	Lab Sample ID:	200-20861-8		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 cis-1,2-Dichloroethene, CAS: 156-59-2



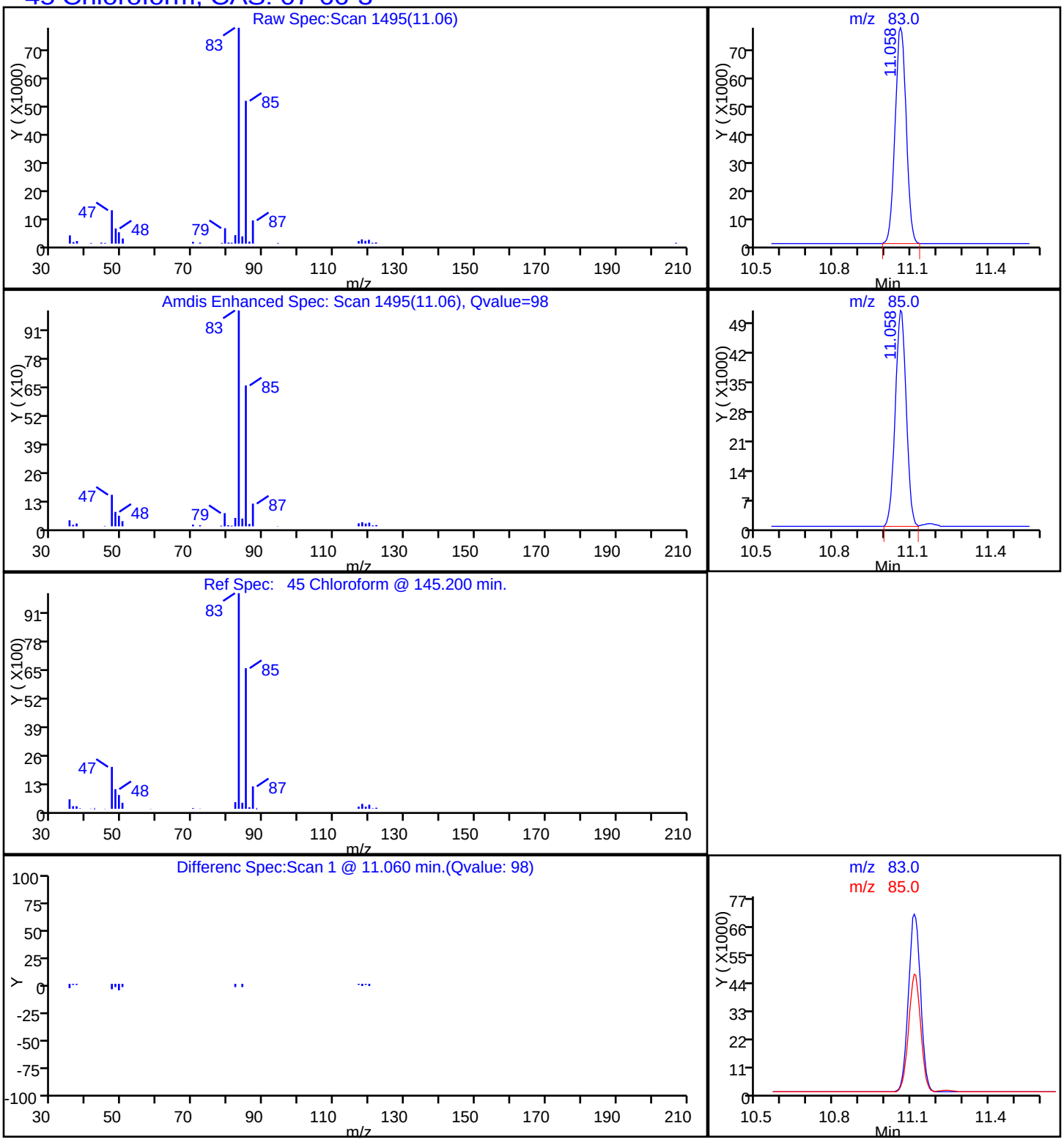
Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D

Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-8	Lab Sample ID:	200-20861-8		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D				
Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
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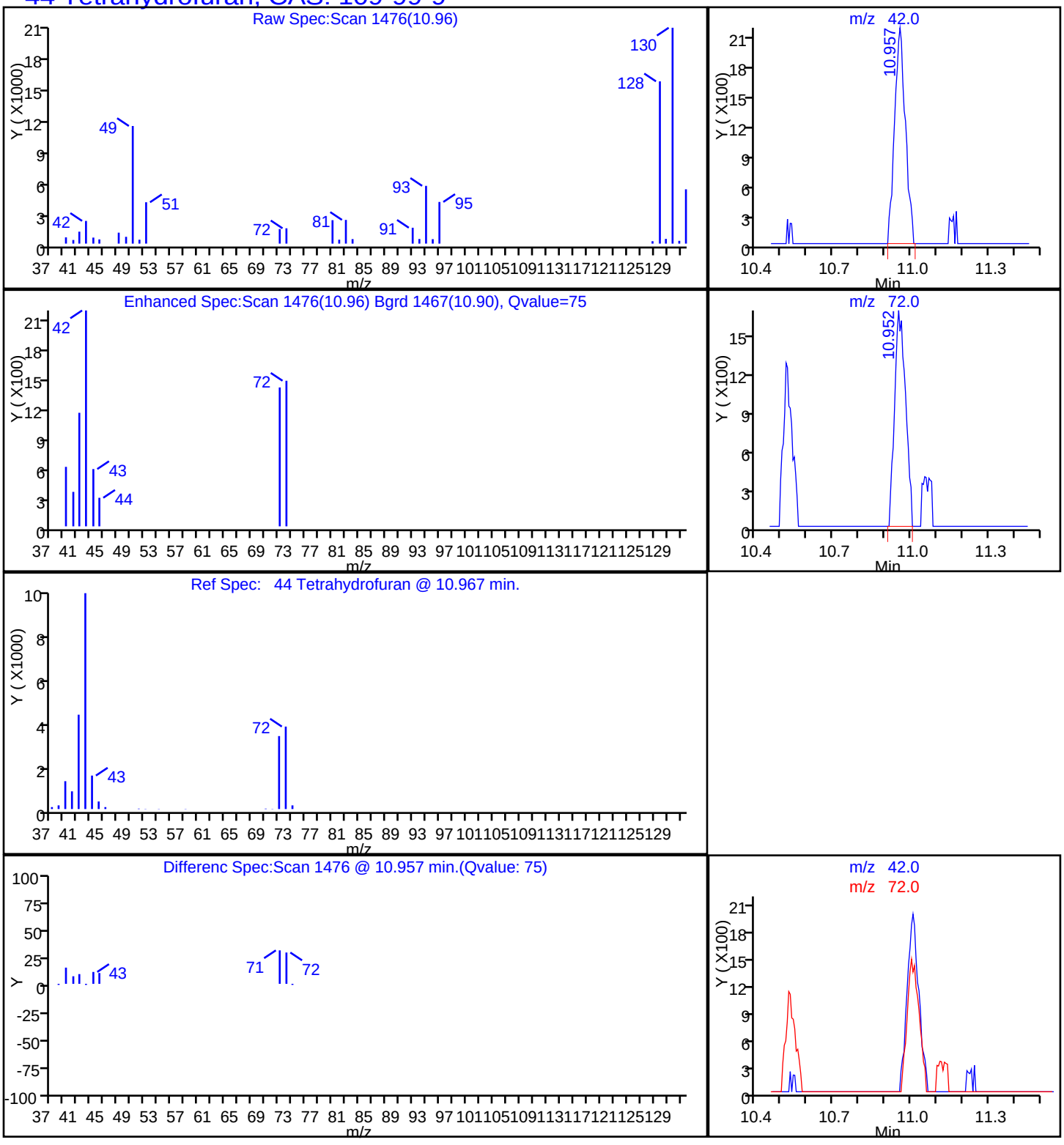
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Tetrahydrofuran, CAS: 109-99-9



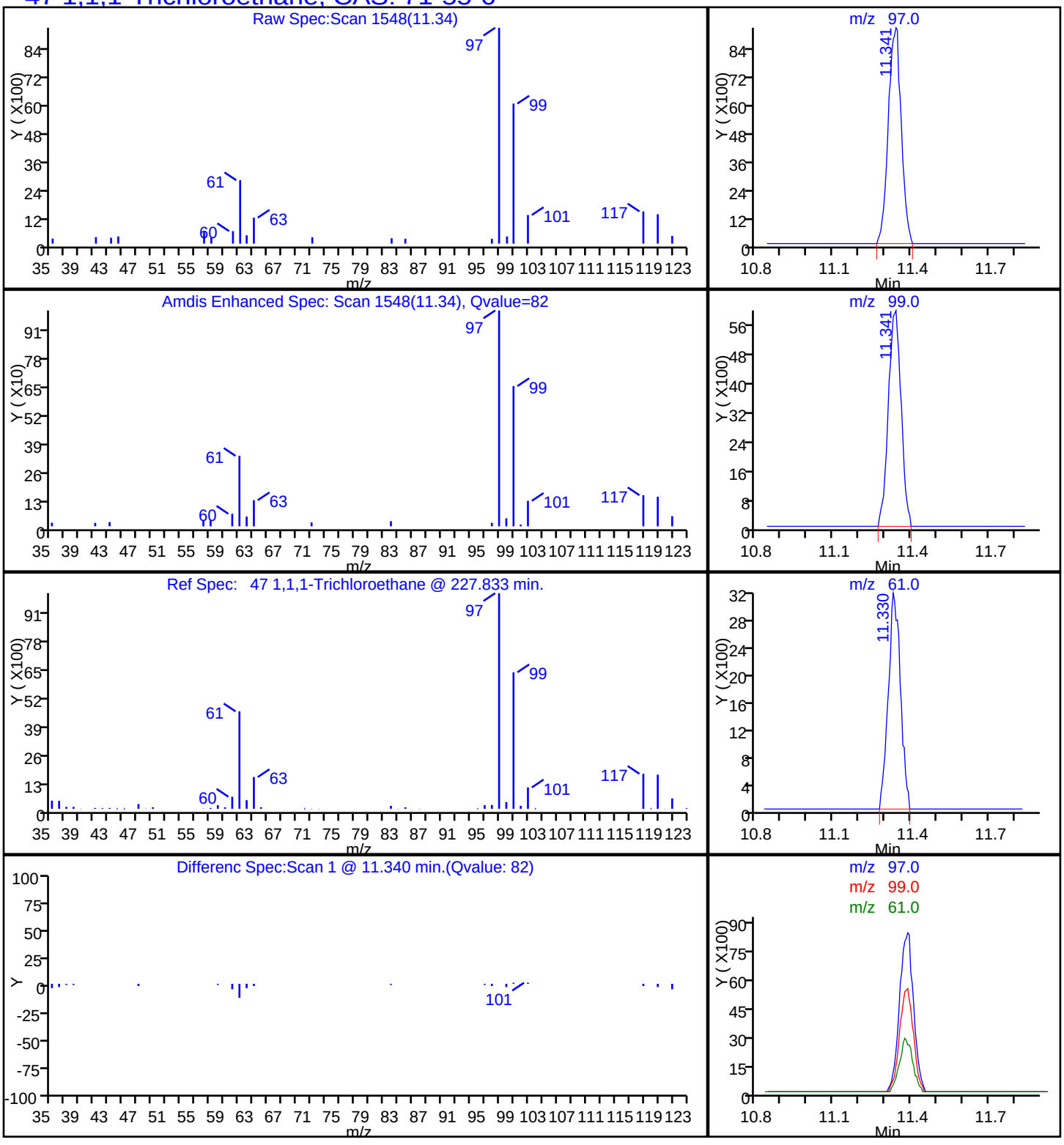
Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D

Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-8	Lab Sample ID:	200-20861-8		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

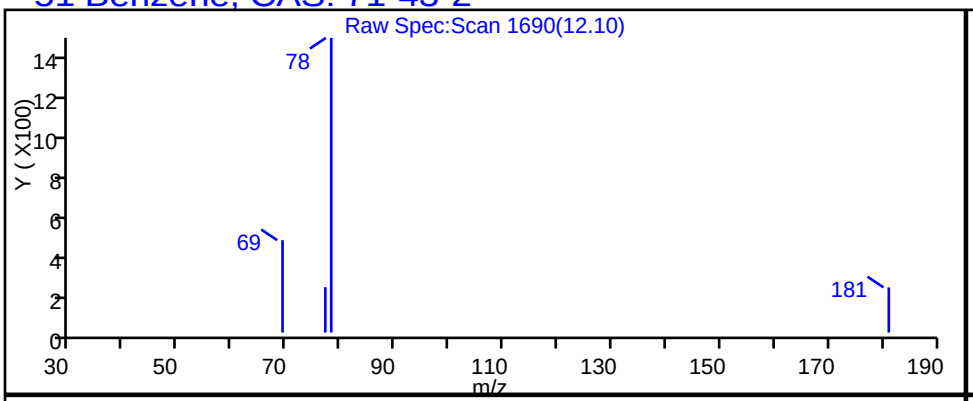


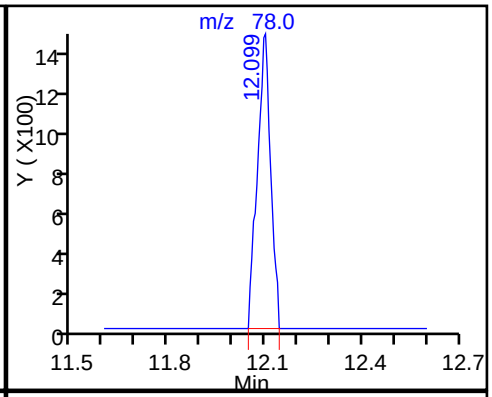
Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

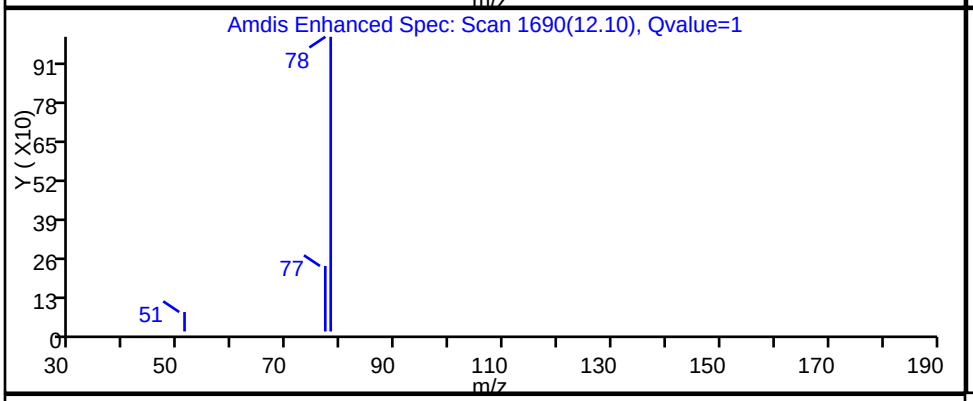
TestAmerica Burlington

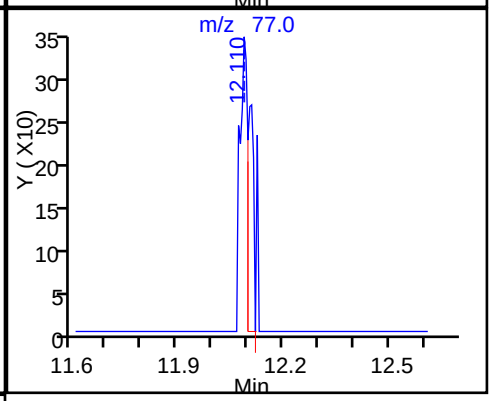
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D				
Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-8	Lab Sample ID:	200-20861-8		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

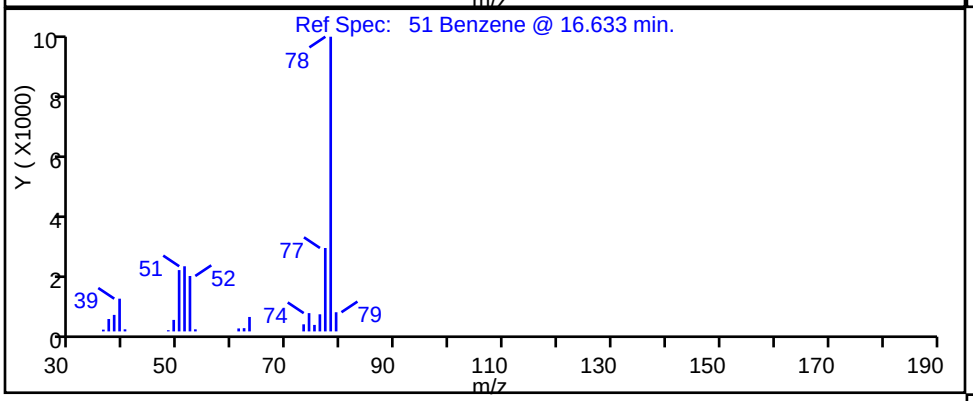
51 Benzene, CAS: 71-43-2

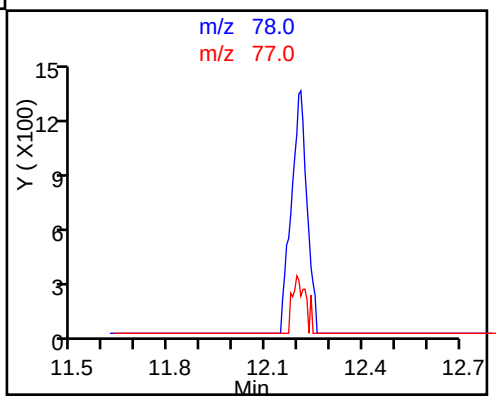












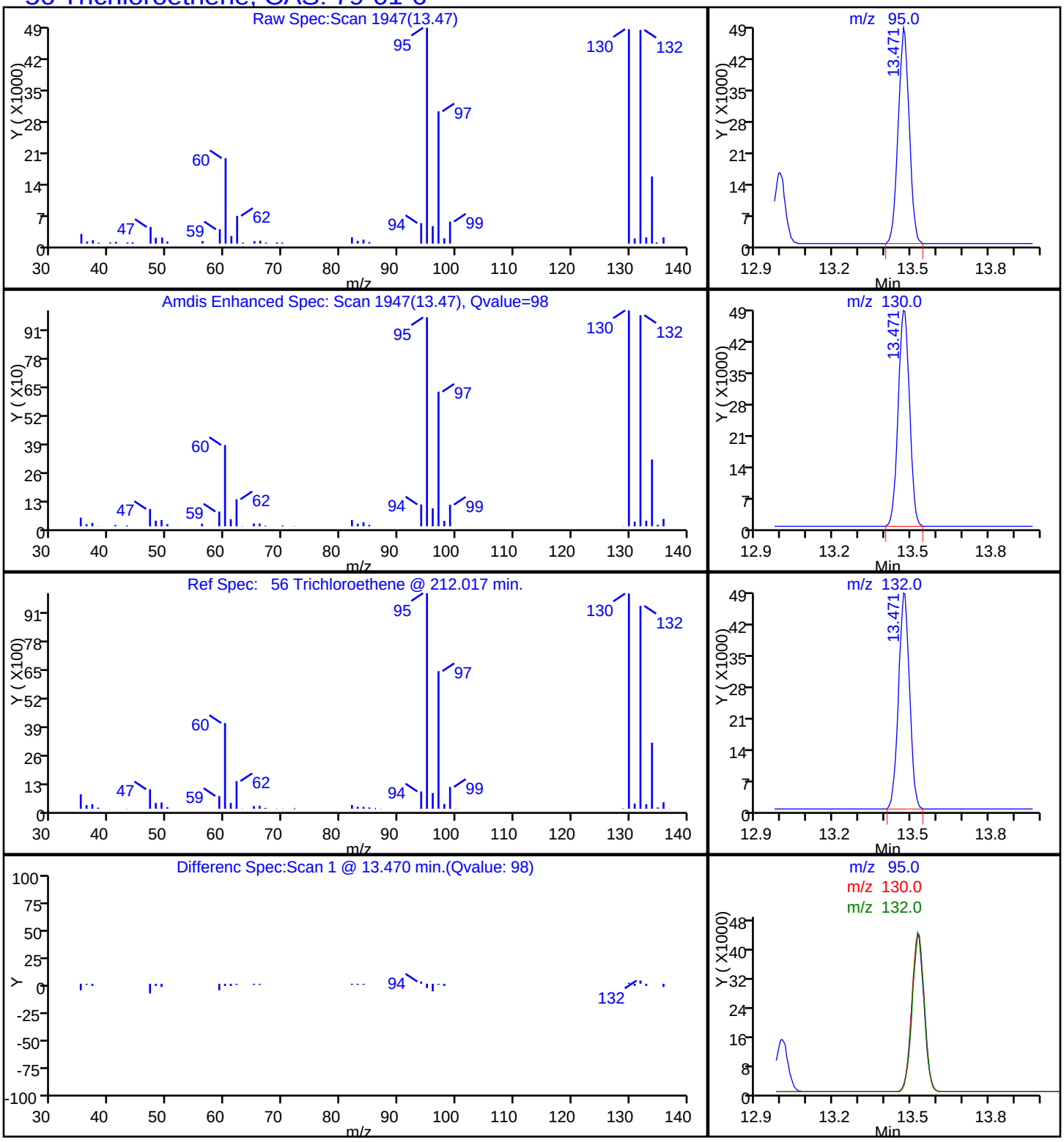
Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D

Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-8	Lab Sample ID:	200-20861-8		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D

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Client ID:	SDS-8				
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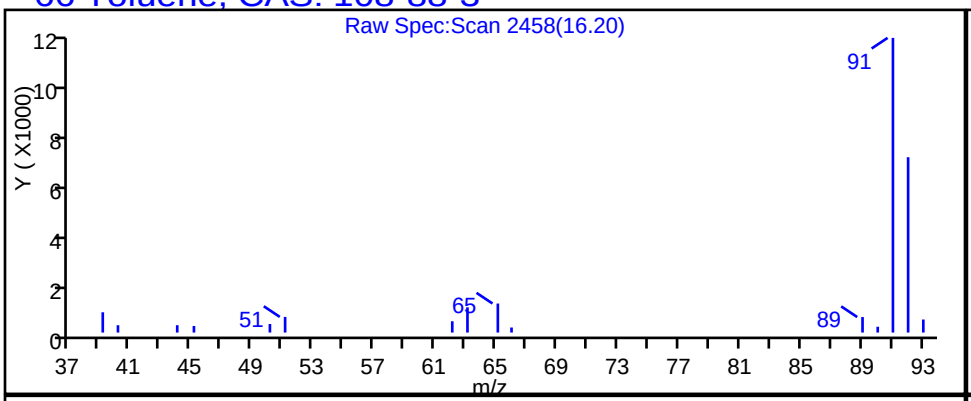
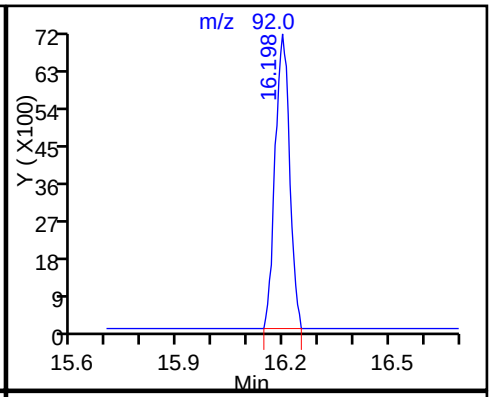
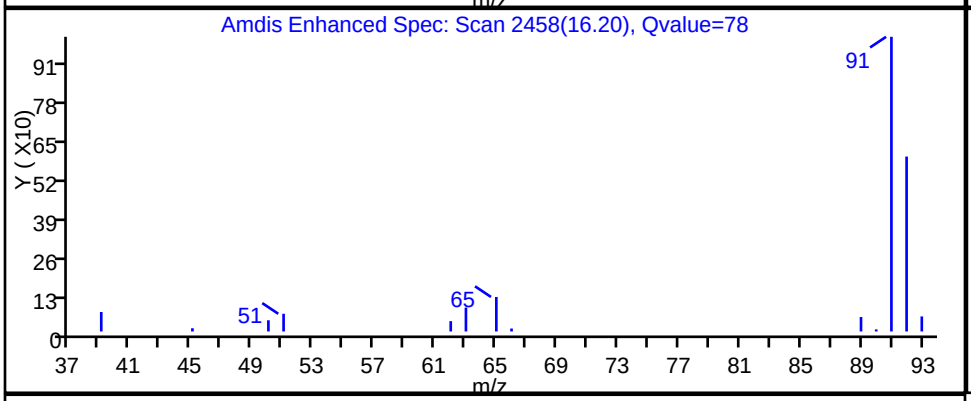
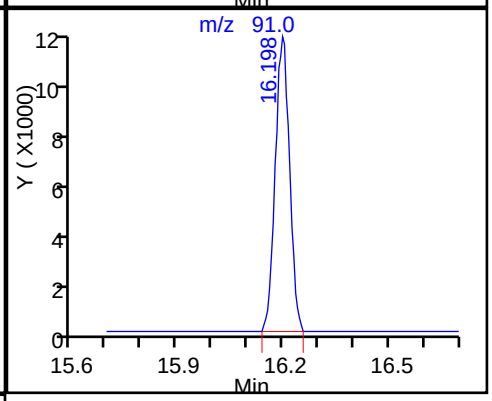
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

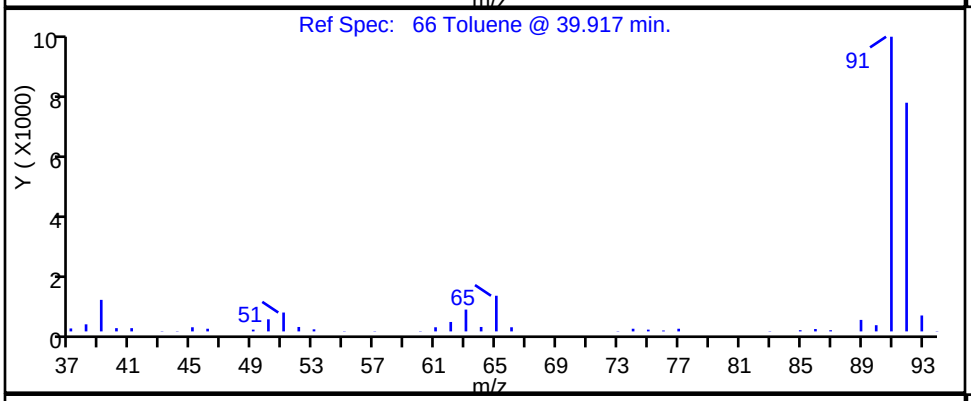
66 Toluene, CAS: 108-88-3

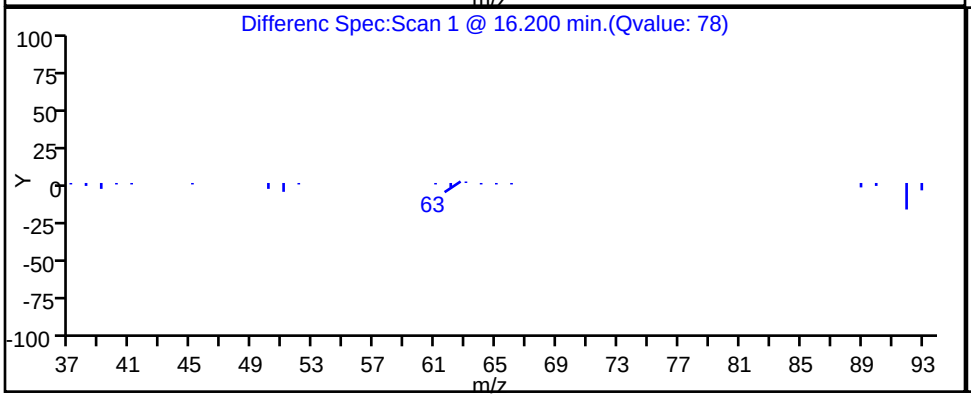


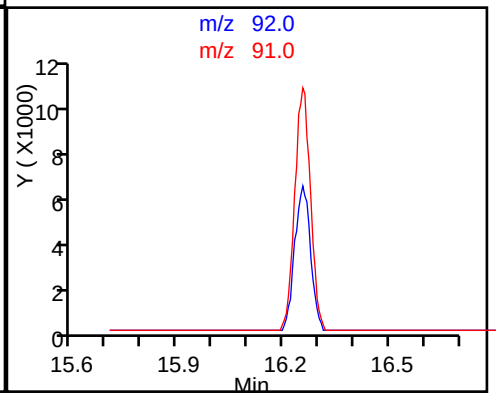












Report Date: 19-Feb-2014 11:04:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_09.D

Injection Date:	18-Feb-2014 19:20:30	Instrument ID:	CHC.i		
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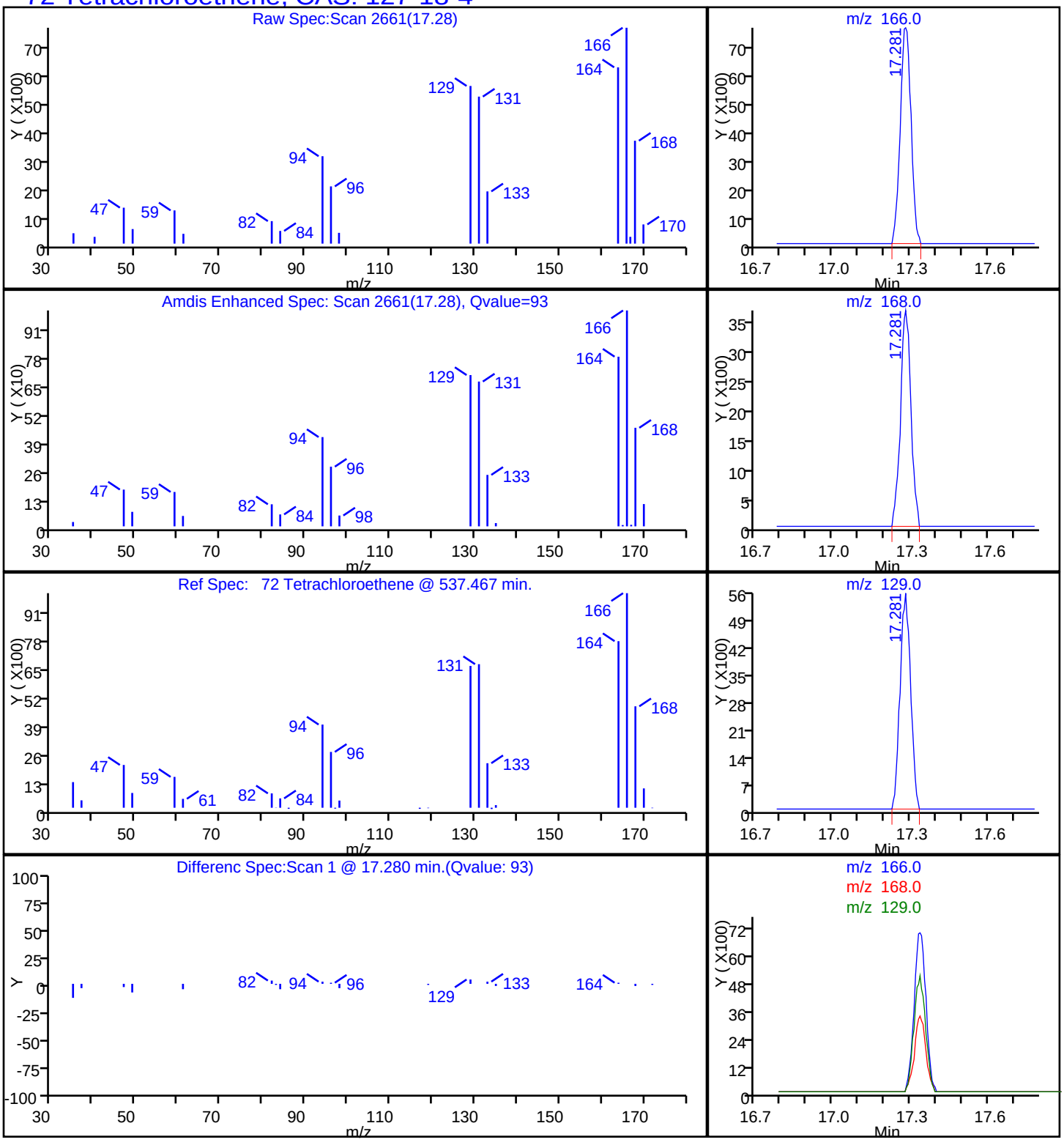
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SSDS-MID-CARBON Lab Sample ID: 200-20861-9

Matrix: Air Lab File ID: 6176_20.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:45

Sample wt/vol: 100(mL) Date Analyzed: 02/18/2014 02:47

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	1.0		1.0	0.060
75-45-6	Freon 22	86.47	0.86	J	1.0	0.096
76-14-2	Freon-114	170.92	0.40	U	0.40	0.070
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.27
106-97-8	n-Butane	58.12	15		1.0	0.56
75-01-4	Vinyl chloride	62.50	0.18		0.080	0.076
106-99-0	1,3-Butadiene	54.09	0.40	U	0.40	0.084
74-83-9	Bromomethane	94.94	0.40	U	0.40	0.056
75-00-3	Chloroethane	64.52	1.0	U	1.0	0.060
593-60-2	Vinyl bromide	106.96	0.40	U	0.40	0.060
75-69-4	Freon 11	137.37	0.88		0.40	0.060
76-13-1	Freon 113	187.38	0.20	J	0.40	0.036
75-35-4	1,1-Dichloroethene	96.94	0.40	U	0.40	0.048
67-64-1	Acetone	58.08	5.2	J	10	2.5
67-63-0	Isopropyl alcohol	60.10	63		10	0.43
75-15-0	Carbon disulfide	76.14	1.0	U	1.0	0.13
107-05-1	Allyl chloride	76.53	1.0	U	1.0	0.068
75-09-2	Methylene Chloride	84.93	20		1.0	0.25
75-65-0	tert-Butyl alcohol	74.12	10	U	10	0.66
1634-04-4	Methyl tert-butyl ether	88.15	0.40	U	0.40	0.044
156-60-5	trans-1,2-Dichloroethene	96.94	0.31	J	0.40	0.058
110-54-3	Hexane	86.17	0.40	U	0.40	0.068
75-34-3	1,1-Dichloroethane	98.96	0.10	J	0.40	0.076
78-93-3	Methyl Ethyl Ketone	72.11	1.0	U	1.0	0.48
156-59-2	cis-1,2-Dichloroethene	96.94	0.59		0.40	0.076
540-59-0	1,2-Dichloroethene, Total	96.94	0.90		0.40	0.13
67-66-3	Chloroform	119.38	1.7		0.40	0.050
109-99-9	Tetrahydrofuran	72.11	1.7	J	10	0.092
71-55-6	1,1,1-Trichloroethane	133.41	0.46		0.40	0.042
110-82-7	Cyclohexane	84.16	0.63		0.40	0.050
56-23-5	Carbon tetrachloride	153.81	0.060	J	0.080	0.042
540-84-1	2,2,4-Trimethylpentane	114.23	0.40	U	0.40	0.054
71-43-2	Benzene	78.11	0.40	U	0.40	0.038
107-06-2	1,2-Dichloroethane	98.96	0.40	U	0.40	0.034
142-82-5	Heptane	100.21	0.40	U	0.40	0.092

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SSDS-MID-CARBON Lab Sample ID: 200-20861-9

Matrix: Air Lab File ID: 6176_20.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:45

Sample wt/vol: 100(mL) Date Analyzed: 02/18/2014 02:47

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.14		0.080	0.048
80-62-6	Methyl methacrylate	100.12	1.0	U	1.0	0.060
78-87-5	1,2-Dichloropropane	112.99	0.40	U	0.40	0.064
123-91-1	1,4-Dioxane	88.11	10	U	10	0.40
75-27-4	Bromodichloromethane	163.83	0.40	U	0.40	0.034
10061-01-5	cis-1,3-Dichloropropene	110.97	0.40	U	0.40	0.056
108-10-1	methyl isobutyl ketone	100.16	1.0	U	1.0	0.054
108-88-3	Toluene	92.14	0.33	J	0.40	0.034
10061-02-6	trans-1,3-Dichloropropene	110.97	0.40	U	0.40	0.044
79-00-5	1,1,2-Trichloroethane	133.41	0.40	U	0.40	0.034
127-18-4	Tetrachloroethene	165.83	0.40	U	0.40	0.032
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.0	U	1.0	0.40
124-48-1	Dibromochloromethane	208.29	0.40	U	0.40	0.040
106-93-4	1,2-Dibromoethane	187.87	0.40	U	0.40	0.040
108-90-7	Chlorobenzene	112.56	0.40	U	0.40	0.016
100-41-4	Ethylbenzene	106.17	0.40	U	0.40	0.026
179601-23-1	m,p-Xylene	106.17	1.0	U	1.0	0.046
95-47-6	Xylene, o-	106.17	0.40	U	0.40	0.032
1330-20-7	Xylene (total)	106.17	0.40	U	0.40	0.068
100-42-5	Styrene	104.15	0.40	U	0.40	0.036
75-25-2	Bromoform	252.75	0.40	U	0.40	0.020
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.40	U	0.40	0.032
103-65-1	n-Propylbenzene	120.19	0.40	U	0.40	0.16
622-96-8	4-Ethyltoluene	120.20	0.40	U	0.40	0.036
108-67-8	1,3,5-Trimethylbenzene	120.20	0.40	U	0.40	0.024
95-49-8	2-Chlorotoluene	126.59	0.40	U	0.40	0.026
98-06-6	tert-Butylbenzene	134.22	0.40	U	0.40	0.034
95-63-6	1,2,4-Trimethylbenzene	120.20	0.40	U	0.40	0.028
135-98-8	sec-Butylbenzene	134.22	0.40	U	0.40	0.16
99-87-6	4-Isopropyltoluene	134.22	0.40	U	0.40	0.16
541-73-1	1,3-Dichlorobenzene	147.00	0.40	U	0.40	0.028
106-46-7	1,4-Dichlorobenzene	147.00	0.40	U	0.40	0.028
100-44-7	Benzyl chloride	126.58	0.40	U	0.40	0.16
104-51-8	n-Butylbenzene	134.22	0.40	U	0.40	0.16

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SSDS-MID-CARBON Lab Sample ID: 200-20861-9

Matrix: Air Lab File ID: 6176_20.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:45

Sample wt/vol: 100(mL) Date Analyzed: 02/18/2014 02:47

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.40	U	0.40	0.028
120-82-1	1,2,4-Trichlorobenzene	181.45	1.0	U	1.0	0.054
87-68-3	Hexachloro-1,3-butadiene	260.76	0.40	U	0.40	0.044
91-20-3	Naphthalene	128.17	1.0	U ^ *	1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SSDS-MID-CARBON Lab Sample ID: 200-20861-9

Matrix: Air Lab File ID: 6176_20.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:45

Sample wt/vol: 100(mL) Date Analyzed: 02/18/2014 02:47

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	5.0		4.9	0.30
75-45-6	Freon 22	86.47	3.1	J	3.5	0.34
76-14-2	Freon-114	170.92	2.8	U	2.8	0.49
74-87-3	Chloromethane	50.49	2.1	U	2.1	0.56
106-97-8	n-Butane	58.12	36		2.4	1.3
75-01-4	Vinyl chloride	62.50	0.47		0.20	0.19
106-99-0	1,3-Butadiene	54.09	0.88	U	0.88	0.19
74-83-9	Bromomethane	94.94	1.6	U	1.6	0.22
75-00-3	Chloroethane	64.52	2.6	U	2.6	0.16
593-60-2	Vinyl bromide	106.96	1.7	U	1.7	0.26
75-69-4	Freon 11	137.37	4.9		2.2	0.34
76-13-1	Freon 113	187.38	1.5	J	3.1	0.28
75-35-4	1,1-Dichloroethene	96.94	1.6	U	1.6	0.19
67-64-1	Acetone	58.08	12	J	24	5.9
67-63-0	Isopropyl alcohol	60.10	160		25	1.1
75-15-0	Carbon disulfide	76.14	3.1	U	3.1	0.41
107-05-1	Allyl chloride	76.53	3.1	U	3.1	0.21
75-09-2	Methylene Chloride	84.93	69		3.5	0.87
75-65-0	tert-Butyl alcohol	74.12	30	U	30	2.0
1634-04-4	Methyl tert-butyl ether	88.15	1.4	U	1.4	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	1.2	J	1.6	0.23
110-54-3	Hexane	86.17	1.4	U	1.4	0.24
75-34-3	1,1-Dichloroethane	98.96	0.41	J	1.6	0.31
78-93-3	Methyl Ethyl Ketone	72.11	2.9	U	2.9	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	2.3		1.6	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	3.6		1.6	0.51
67-66-3	Chloroform	119.38	8.1		2.0	0.24
109-99-9	Tetrahydrofuran	72.11	5.0	J	29	0.27
71-55-6	1,1,1-Trichloroethane	133.41	2.5		2.2	0.23
110-82-7	Cyclohexane	84.16	2.2		1.4	0.17
56-23-5	Carbon tetrachloride	153.81	0.38	J	0.50	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	1.9	U	1.9	0.25
71-43-2	Benzene	78.11	1.3	U	1.3	0.12
107-06-2	1,2-Dichloroethane	98.96	1.6	U	1.6	0.14
142-82-5	Heptane	100.21	1.6	U	1.6	0.38

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SSDS-MID-CARBON Lab Sample ID: 200-20861-9

Matrix: Air Lab File ID: 6176_20.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:45

Sample wt/vol: 100(mL) Date Analyzed: 02/18/2014 02:47

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.76		0.43	0.26
80-62-6	Methyl methacrylate	100.12	4.1	U	4.1	0.25
78-87-5	1,2-Dichloropropane	112.99	1.8	U	1.8	0.30
123-91-1	1,4-Dioxane	88.11	36	U	36	1.4
75-27-4	Bromodichloromethane	163.83	2.7	U	2.7	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	1.8	U	1.8	0.25
108-10-1	methyl isobutyl ketone	100.16	4.1	U	4.1	0.22
108-88-3	Toluene	92.14	1.2	J	1.5	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	1.8	U	1.8	0.20
79-00-5	1,1,2-Trichloroethane	133.41	2.2	U	2.2	0.19
127-18-4	Tetrachloroethene	165.83	2.7	U	2.7	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.1	U	4.1	1.6
124-48-1	Dibromochloromethane	208.29	3.4	U	3.4	0.34
106-93-4	1,2-Dibromoethane	187.87	3.1	U	3.1	0.31
108-90-7	Chlorobenzene	112.56	1.8	U	1.8	0.075
100-41-4	Ethylbenzene	106.17	1.7	U	1.7	0.11
179601-23-1	m,p-Xylene	106.17	4.3	U	4.3	0.20
95-47-6	Xylene, o-	106.17	1.7	U	1.7	0.14
1330-20-7	Xylene (total)	106.17	1.7	U	1.7	0.30
100-42-5	Styrene	104.15	1.7	U	1.7	0.15
75-25-2	Bromoform	252.75	4.1	U	4.1	0.21
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.7	U	2.7	0.22
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.79
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.18
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	0.12
95-49-8	2-Chlorotoluene	126.59	2.1	U	2.1	0.13
98-06-6	tert-Butylbenzene	134.22	2.2	U	2.2	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0	U	2.0	0.14
135-98-8	sec-Butylbenzene	134.22	2.2	U	2.2	0.88
99-87-6	4-Isopropyltoluene	134.22	2.2	U	2.2	0.88
541-73-1	1,3-Dichlorobenzene	147.00	2.4	U	2.4	0.17
106-46-7	1,4-Dichlorobenzene	147.00	2.4	U	2.4	0.17
100-44-7	Benzyl chloride	126.58	2.1	U	2.1	0.83
104-51-8	n-Butylbenzene	134.22	2.2	U	2.2	0.88

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SSDS-MID-CARBON Lab Sample ID: 200-20861-9

Matrix: Air Lab File ID: 6176_20.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:45

Sample wt/vol: 100(mL) Date Analyzed: 02/18/2014 02:47

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	2.4	U	2.4	0.17
120-82-1	1,2,4-Trichlorobenzene	181.45	7.4	U	7.4	0.40
87-68-3	Hexachloro-1,3-butadiene	260.76	4.3	U	4.3	0.47
91-20-3	Naphthalene	128.17	5.2	U ^ *	5.2	2.1

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D
Lims ID: 200-20861-A-9 Lab Sample ID: 200-20861-9
Client ID: SSDS-MID-CARBON
Sample Type: Client
Inject. Date: 18-Feb-2014 02:47:30 ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Sample Info: 200-0006176-020
Misc. Info.: 20861-9
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Feb-2014 12:56:18 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: desjardinsb Date: 18-Feb-2014 12:56:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.261	3.256	0.005	93	32496	0.5087	
6 Chlorodifluoromethane	51	3.320	3.315	0.005	69	8489	0.4320	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.544					
8 Chloromethane	50		3.699					
9 Butane	43	3.923	3.918	0.005	97	110411	7.64	
10 Vinyl chloride	62	3.976	3.966	0.010	21	1469	0.0916	
11 Butadiene	54		4.051					
12 Bromomethane	94		4.793					
13 Chloroethane	64		5.049					
15 Vinyl bromide	106		5.465					
16 Trichlorofluoromethane	101	5.577	5.572	0.005	87	33094	0.4392	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.720	6.714	0.006	50	5465	0.0986	
23 1,1-Dichloroethene	96		6.757					
25 Acetone	43	7.061	7.040	0.021	90	38523	2.60	
26 Carbon disulfide	76		7.147					
28 Isopropyl alcohol	45	7.365	7.360	0.005	98	344810	31.5	
29 3-Chloro-1-propene	41		7.595					
31 Methylene Chloride	49	7.904	7.904	0.0	70	126071	9.87	
32 2-Methyl-2-propanol	59		8.161					
33 Methyl tert-butyl ether	73		8.321					
34 trans-1,2-Dichloroethene	61	8.353	8.347	0.006	32	3799	0.1538	
36 Hexane	57		8.742					
37 1,1-Dichloroethane	63	9.276	9.271	0.005	3	1773	0.0508	
S 39 1,2-Dichloroethene, Total	61				0		0.4483	
40 cis-1,2-Dichloroethene	96	10.434	10.434	0.0	60	10603	0.2944	
41 2-Butanone (MEK)	72		10.509					
* 43 Chlorobromomethane	128	10.925	10.920	0.005	65	379607	10.0	
44 Tetrahydrofuran	42	10.968	10.936	0.032	73	11069	0.8470	
45 Chloroform	83	11.058	11.064	-0.006	97	55737	0.8331	
46 Cyclohexane	84	11.304	11.304	0.011	61	14510	0.3168	M
47 1,1,1-Trichloroethane	97	11.341	11.341	0.0	72	16690	0.2311	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	49 Carbon tetrachloride	117	11.597	11.592	0.005	29	2376	0.0299	
	50 Isooctane	57		12.051					
	51 Benzene	78		12.099					
	52 1,2-Dichloroethane	62		12.302					
	53 n-Heptane	43		12.462					
*	54 1,4-Difluorobenzene	114	12.990	12.990	0.0	92	2028228	10.0	
	56 Trichloroethene	95	13.471	13.476	-0.005	54	3846	0.0708	
	58 1,2-Dichloropropane	63		14.074					
	59 Methyl methacrylate	69		14.250					
	60 1,4-Dioxane	88		14.319					
	62 Dichlorobromomethane	83		14.645					
	64 cis-1,3-Dichloropropene	75		15.600					
	65 4-Methyl-2-pentanone (MIBK)	43		15.910					
	66 Toluene	92	16.198	16.198	0.0	79	14636	0.1648	
	70 trans-1,3-Dichloropropene	75		16.812					
	71 1,1,2-Trichloroethane	83		17.196					
	72 Tetrachloroethene	166		17.281					
	73 2-Hexanone	43		17.655					
	74 Chlorodibromomethane	129		17.964					
	75 Ethylene Dibromide	107		18.237					
*	76 Chlorobenzene-d5	117	19.133	19.133	0.0	83	1802903	10.0	
	77 Chlorobenzene	112		19.197					
	79 Ethylbenzene	91		19.347					
	81 m-Xylene & p-Xylene	106		19.592					
S	82 Xylenes, Total	106		20.100					
	83 o-Xylene	106		20.403					
	84 Styrene	104		20.451					
	85 Bromoform	173		20.852					
$	87 4-Bromofluorobenzene	95	21.391	21.391	0.0	95	1271243	NC	
	88 1,1,2,2-Tetrachloroethane	83		21.658					
	89 N-Propylbenzene	91		21.722					
	92 4-Ethyltoluene	105		21.898					
	93 2-Chlorotoluene	91		21.914					
	94 1,3,5-Trimethylbenzene	105		21.999					
	96 tert-Butylbenzene	119		22.469					
	97 1,2,4-Trimethylbenzene	105		22.560					
	98 sec-Butylbenzene	105		22.784					
	99 4-Isopropyltoluene	119		22.981					
	100 1,3-Dichlorobenzene	146		23.018					
	101 1,4-Dichlorobenzene	146		23.157					
	102 Benzyl chloride	91		23.365					
	103 n-Butylbenzene	91		23.568					
	105 1,2-Dichlorobenzene	146		23.712					
	107 1,2,4-Trichlorobenzene	180		26.343					
	108 Hexachlorobutadiene	225		26.530					
	109 Naphthalene	128		26.872					

QC Flag Legend

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

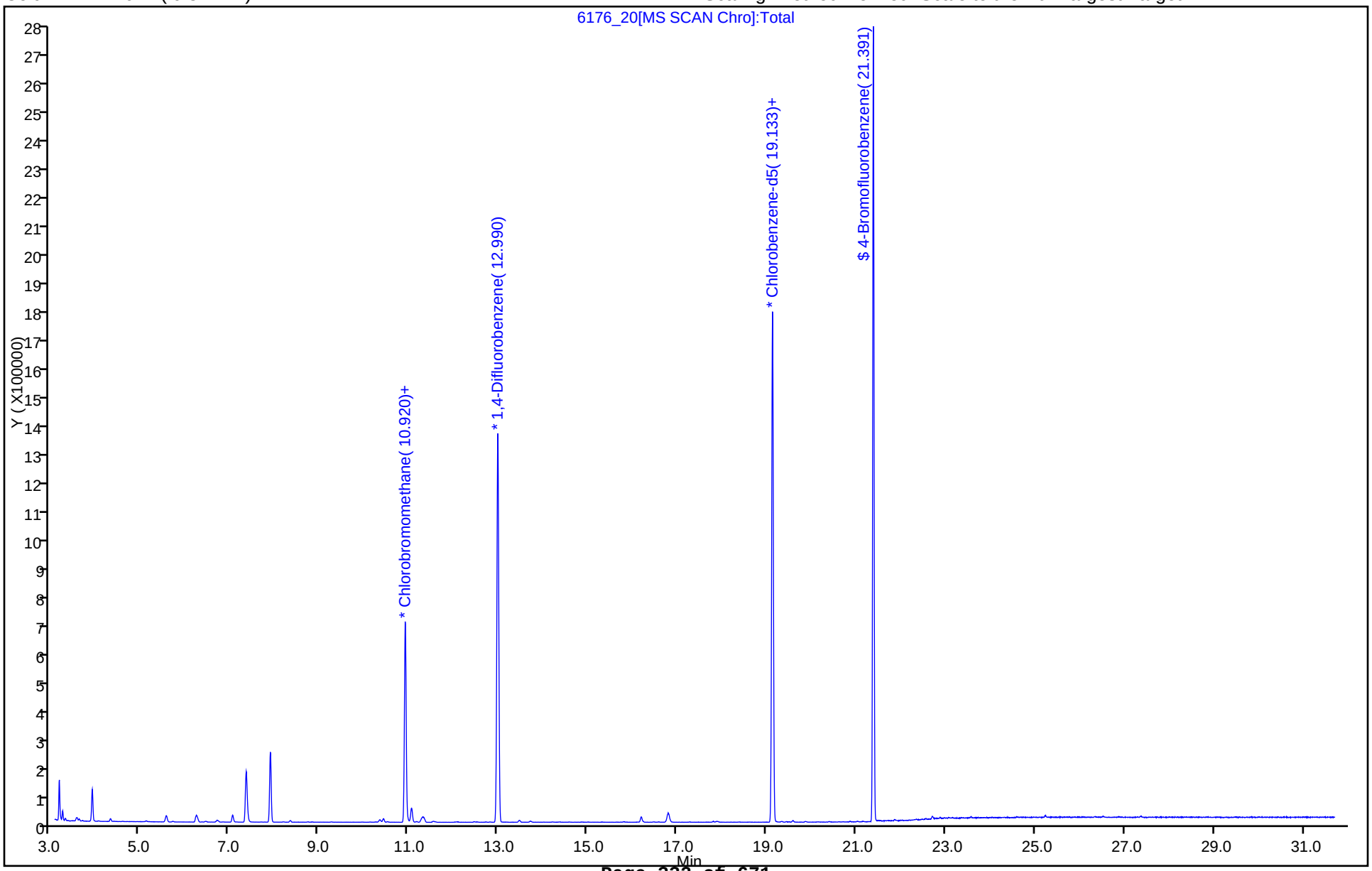
Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9	Worklist Smp#:	20
Client ID:	SSDS-MID-CARBON				
Purge Vol:	200.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

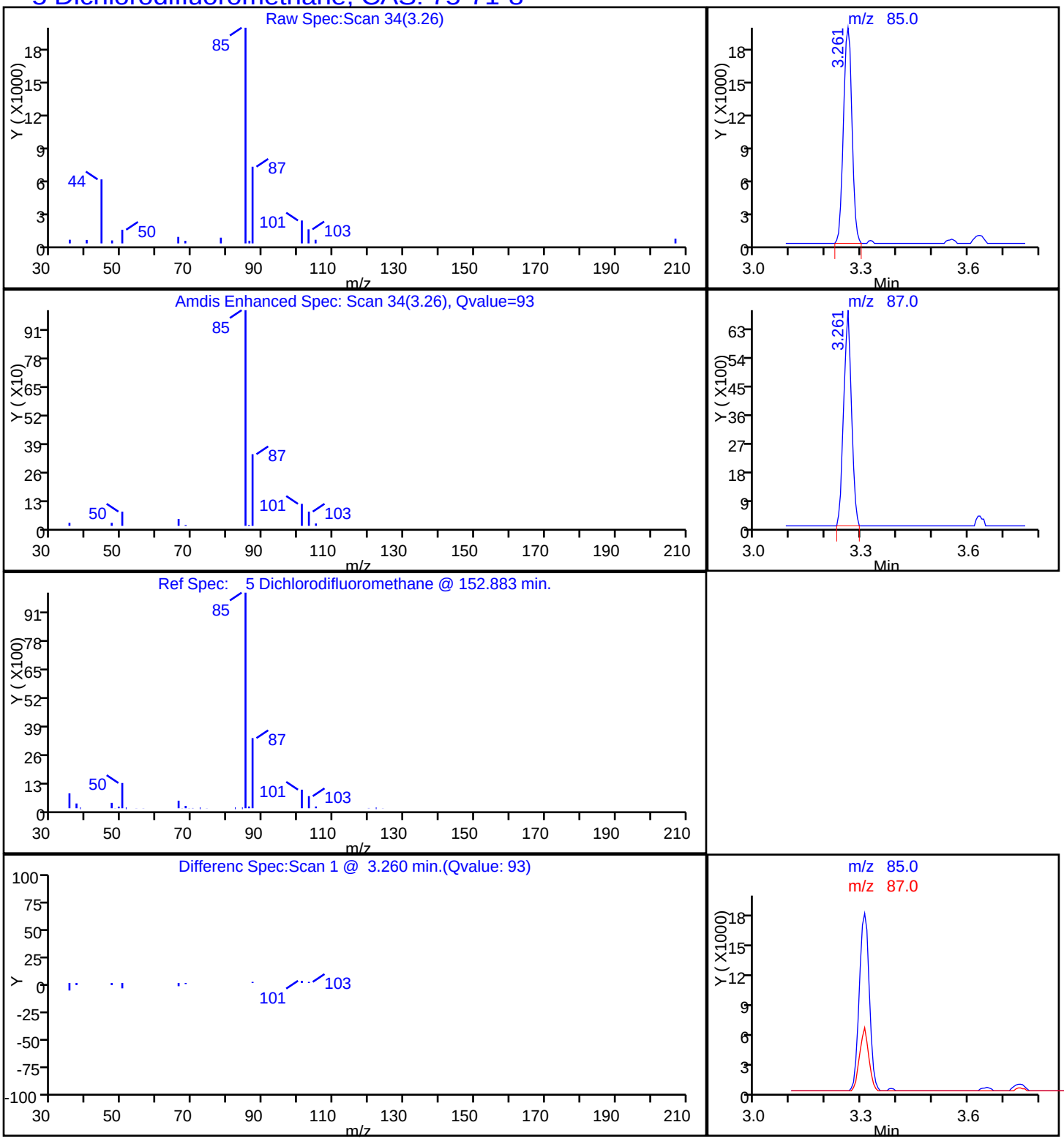


Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D				
Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Dichlorodifluoromethane, CAS: 75-71-8



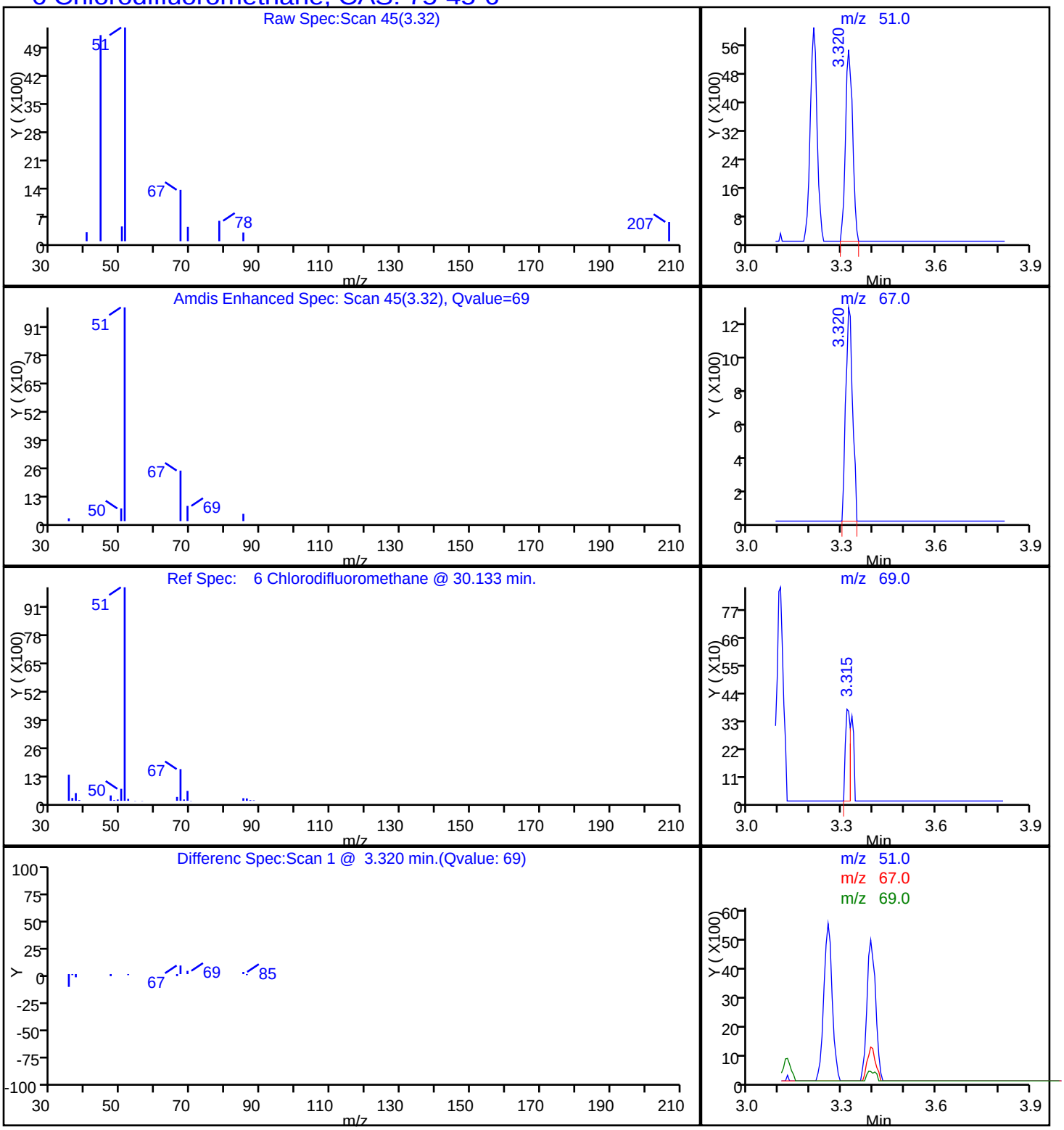
Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



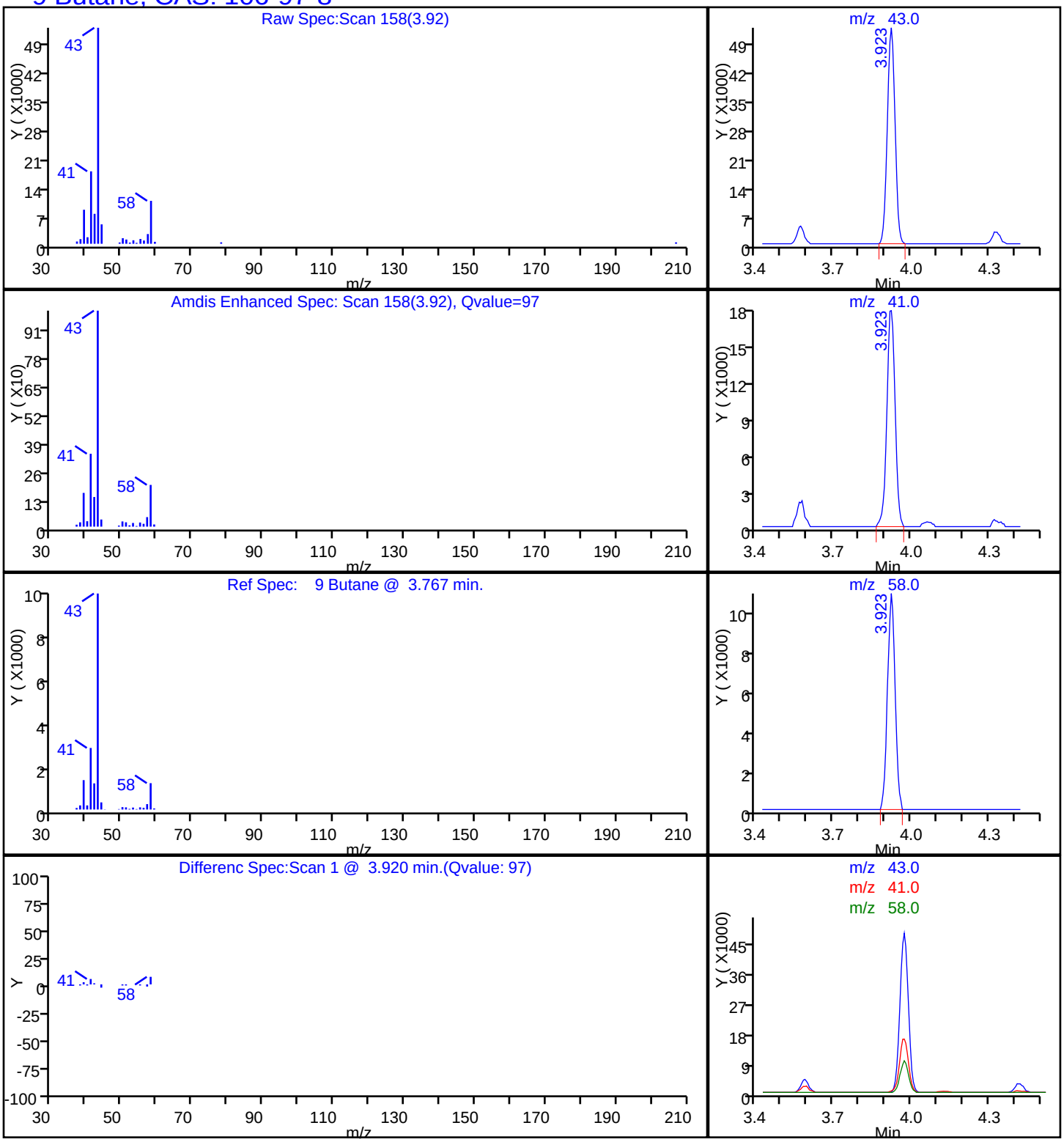
Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



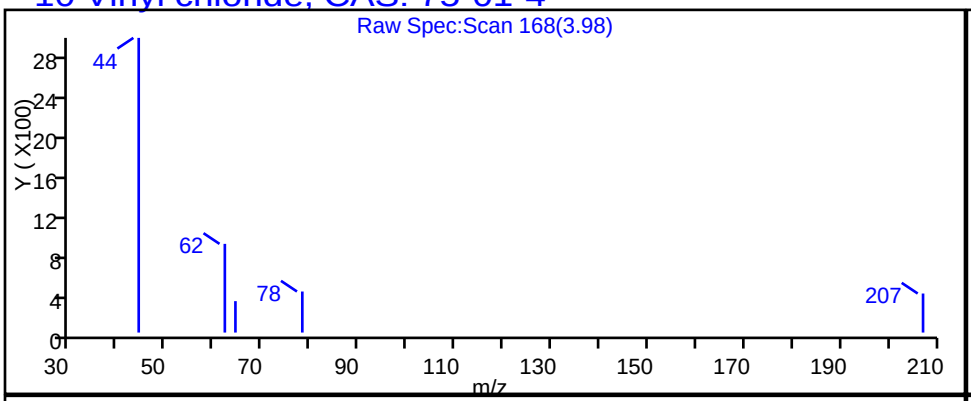
Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

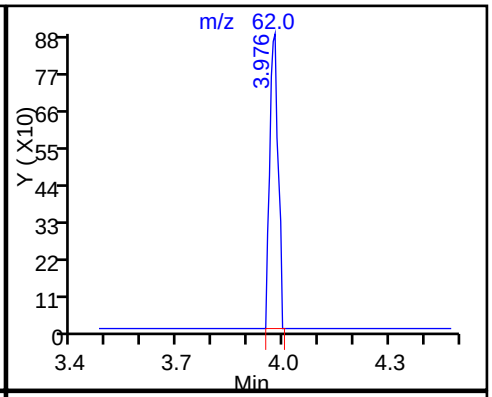
TestAmerica Burlington

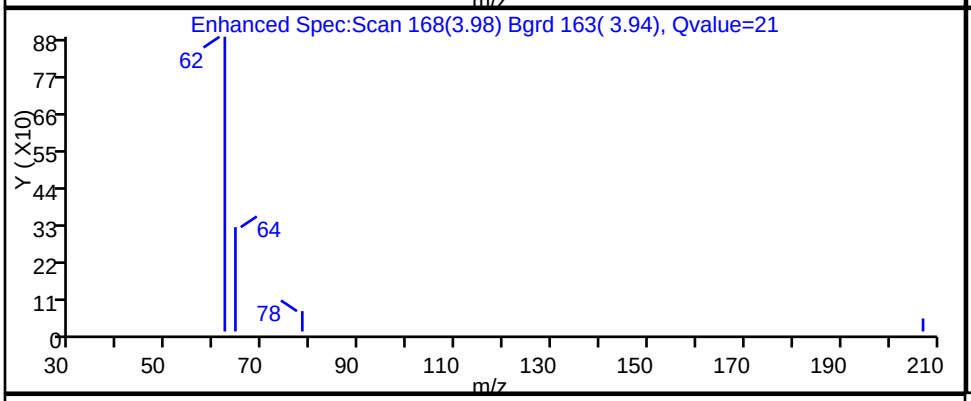
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

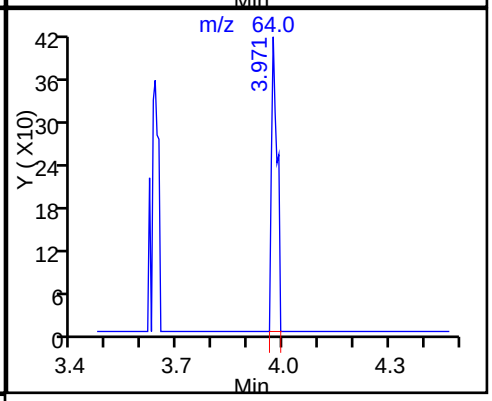
Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

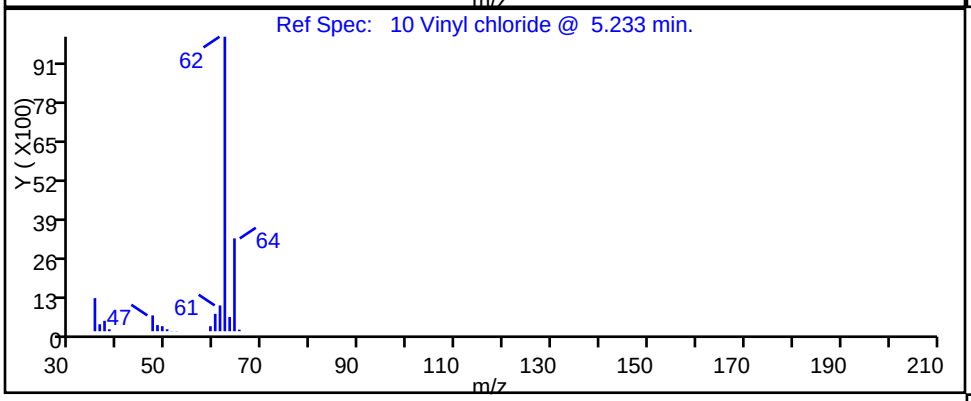
10 Vinyl chloride, CAS: 75-01-4

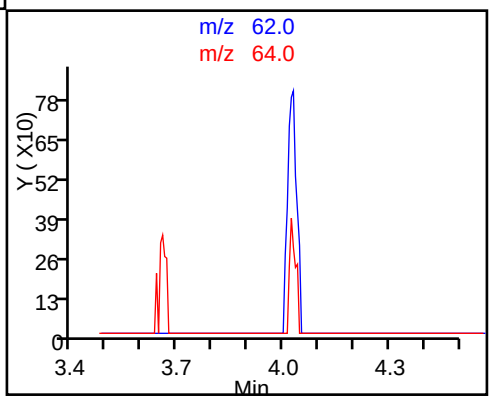












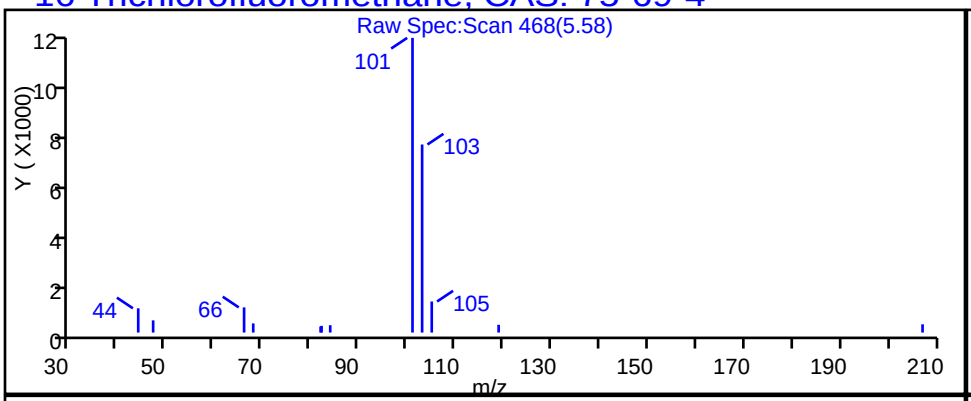
Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

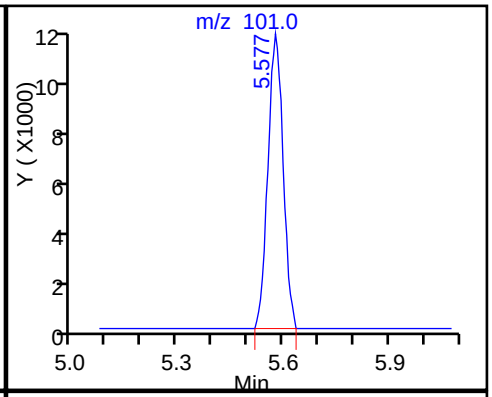
TestAmerica Burlington

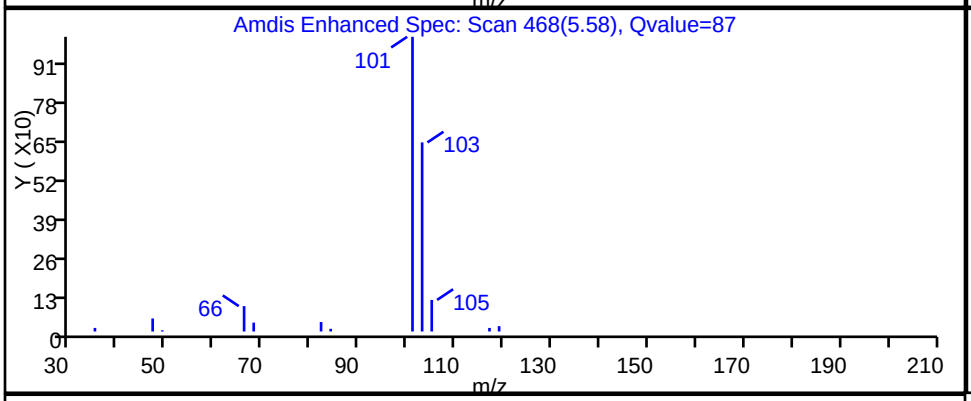
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

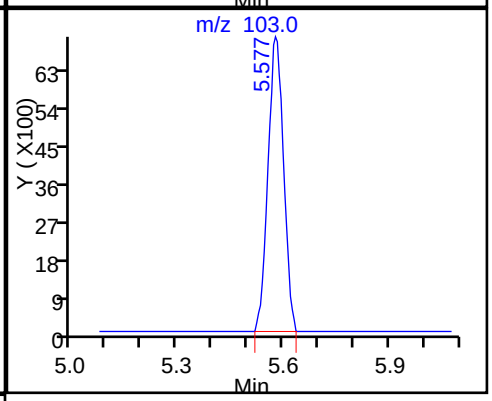
Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

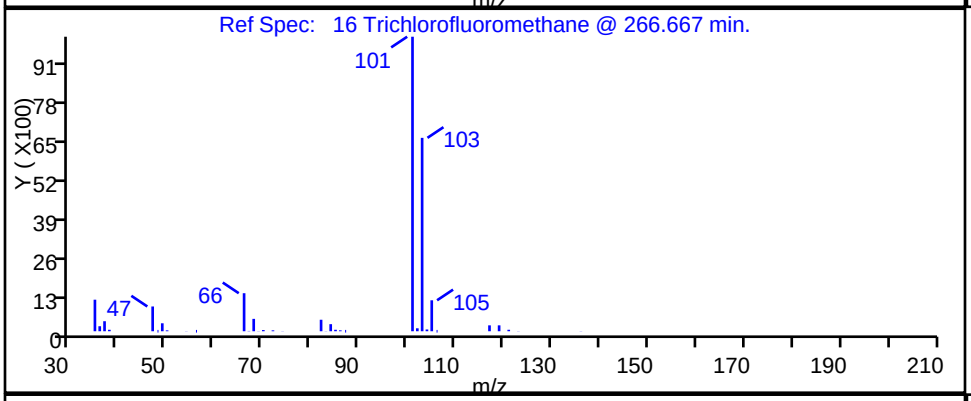
16 Trichlorofluoromethane, CAS: 75-69-4

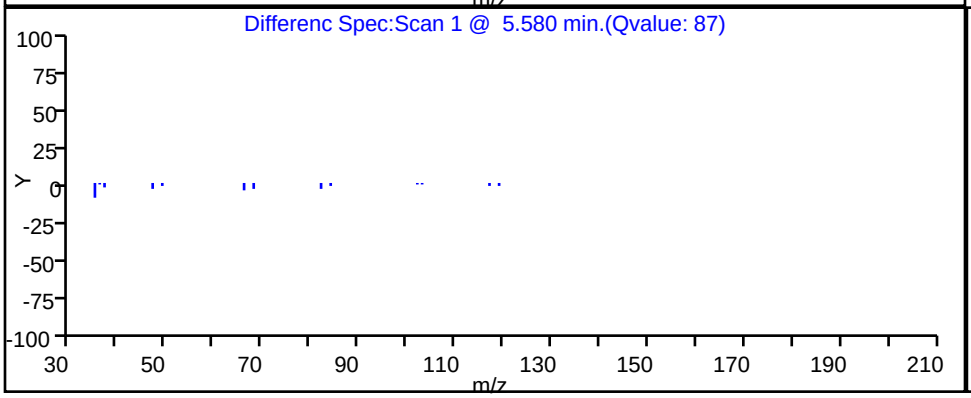


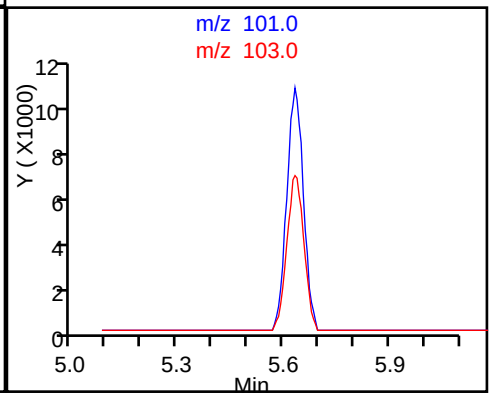












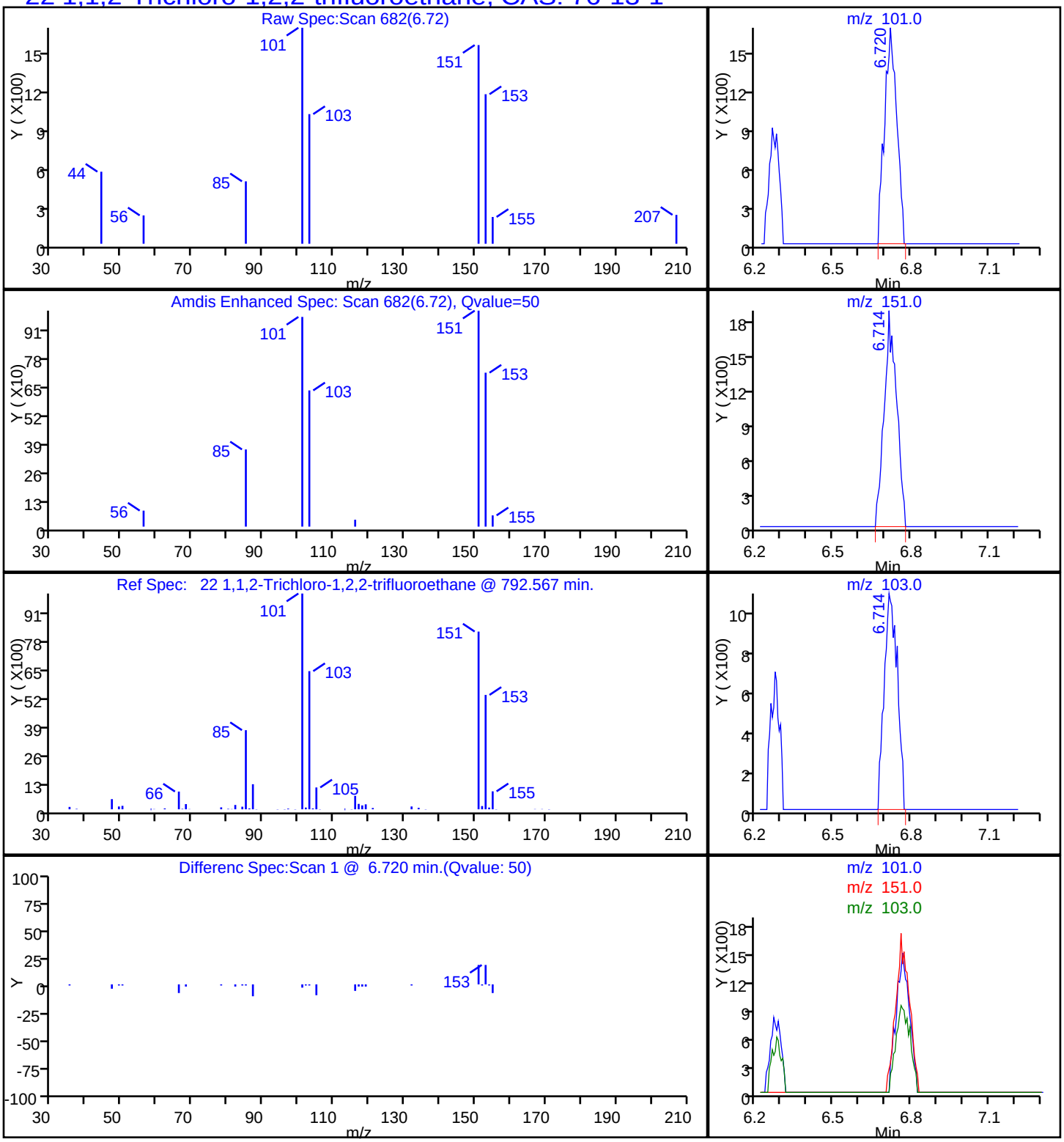
Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



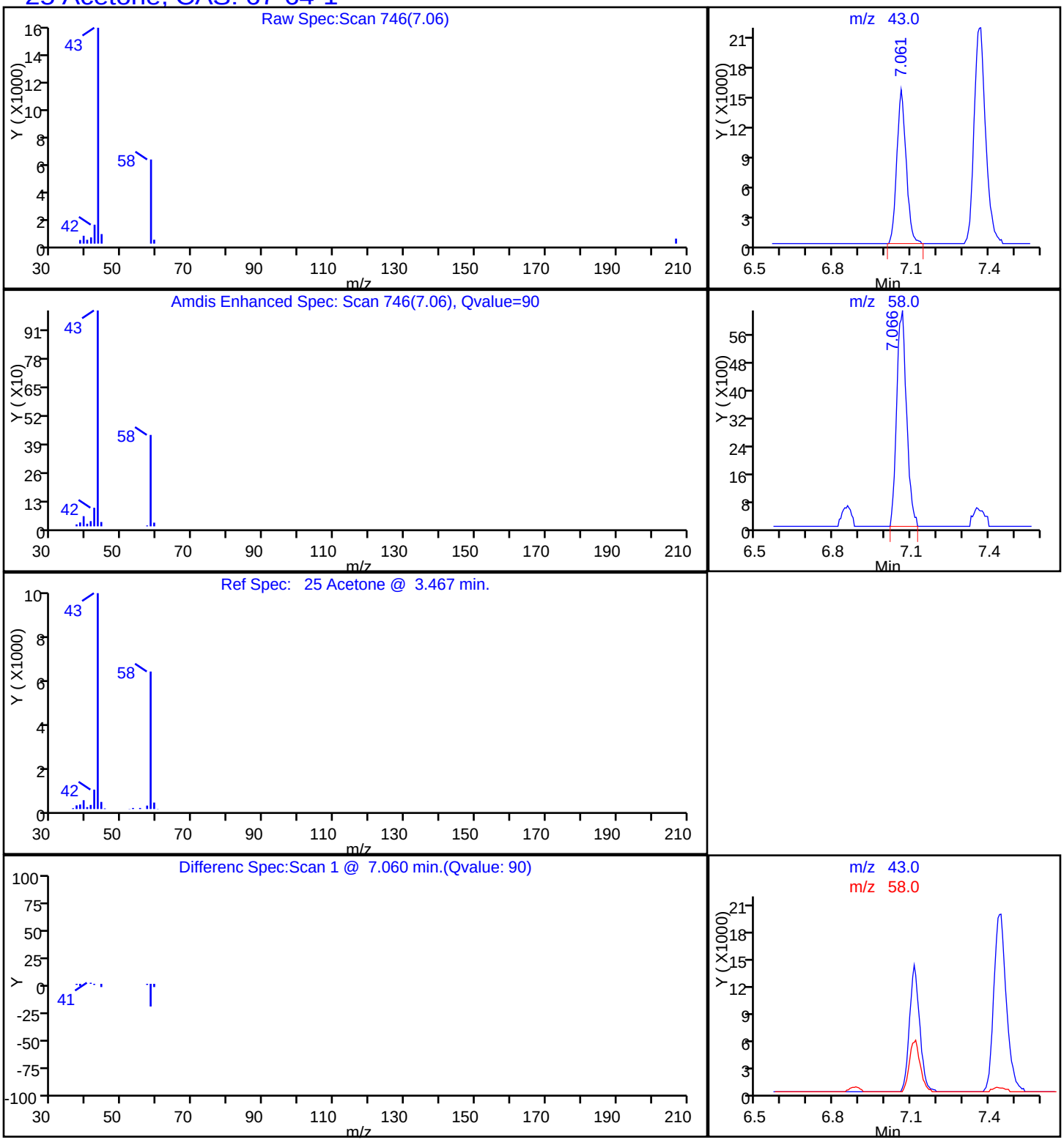
Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



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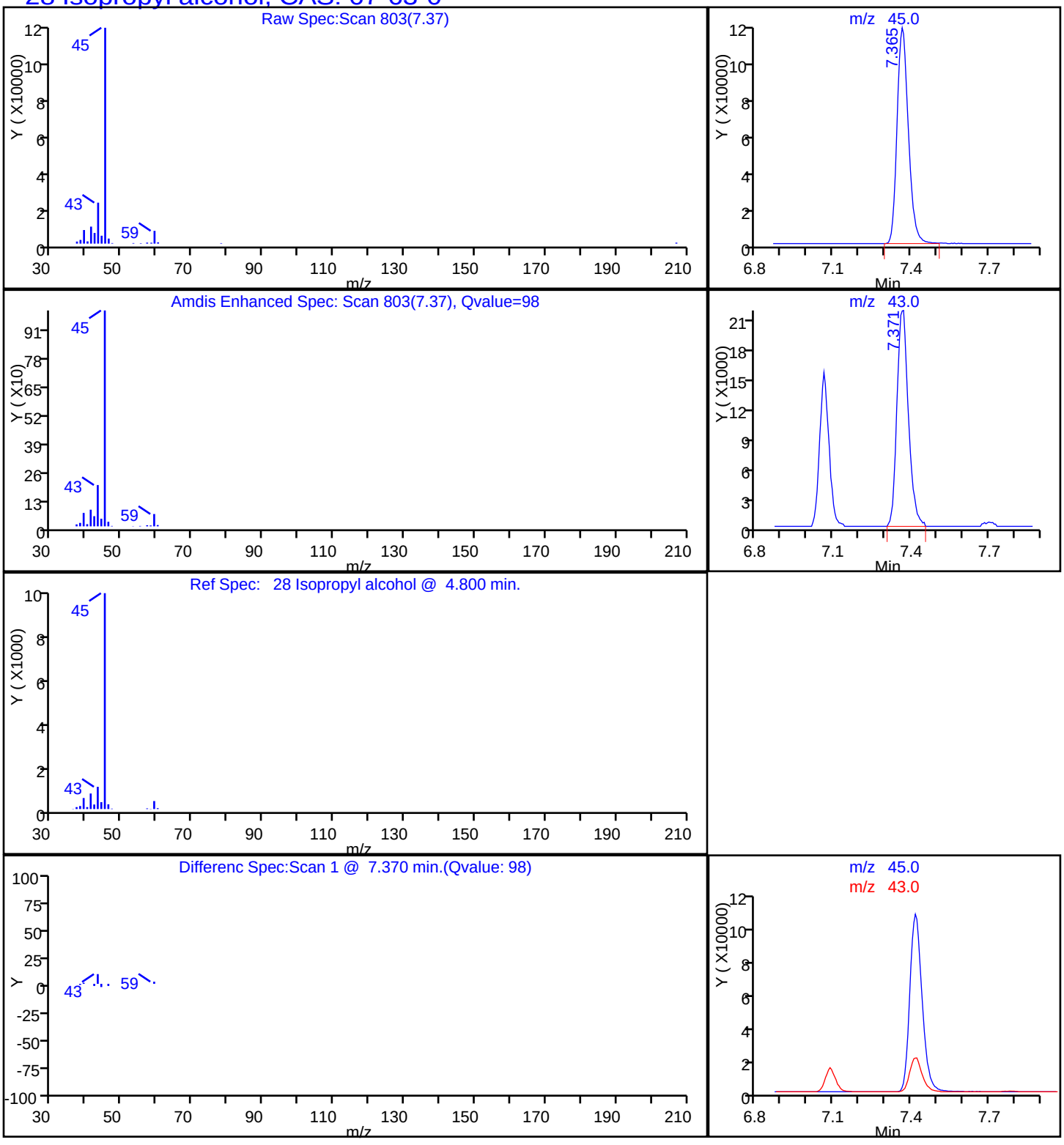
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 Isopropyl alcohol, CAS: 67-63-0



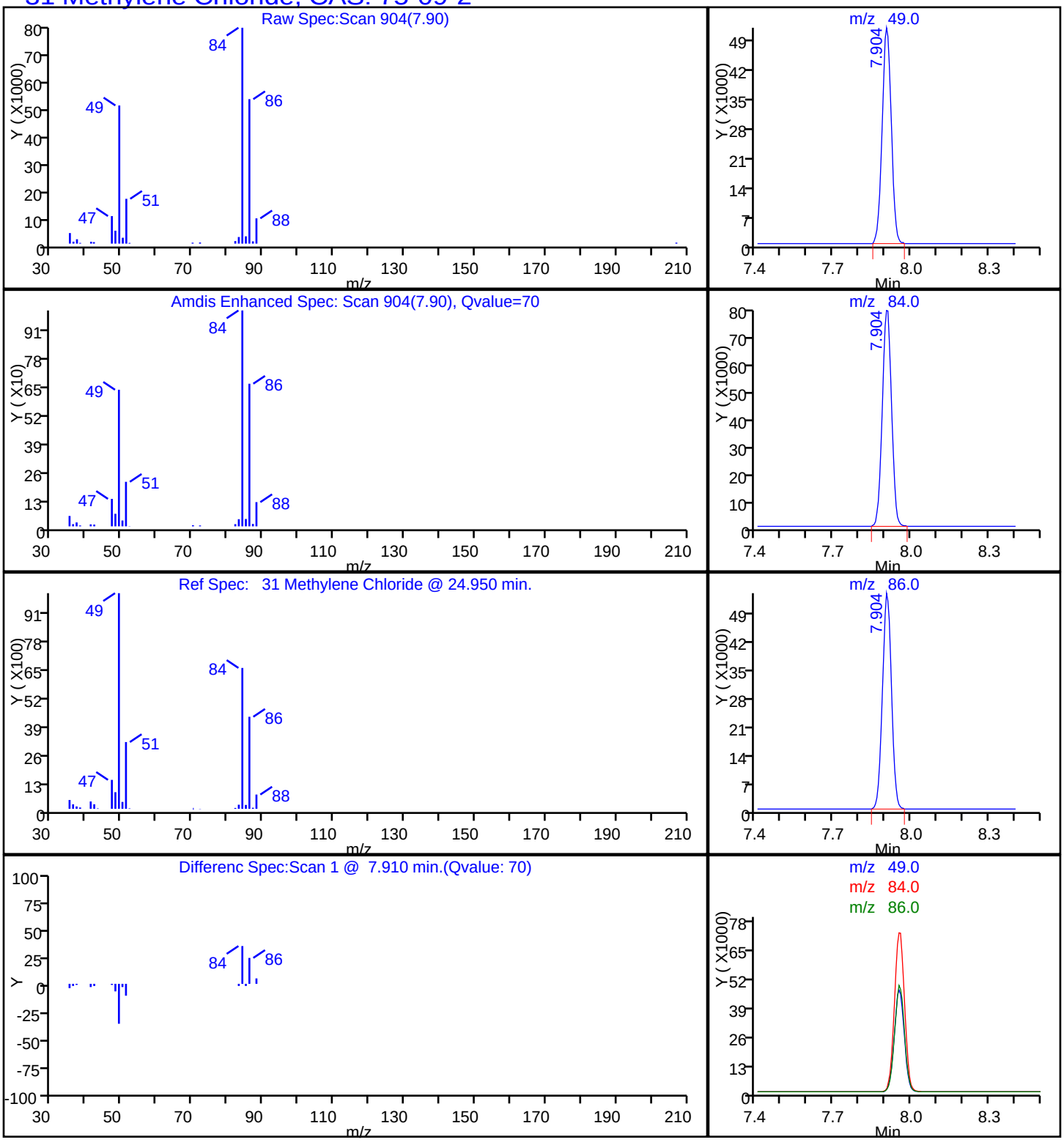
Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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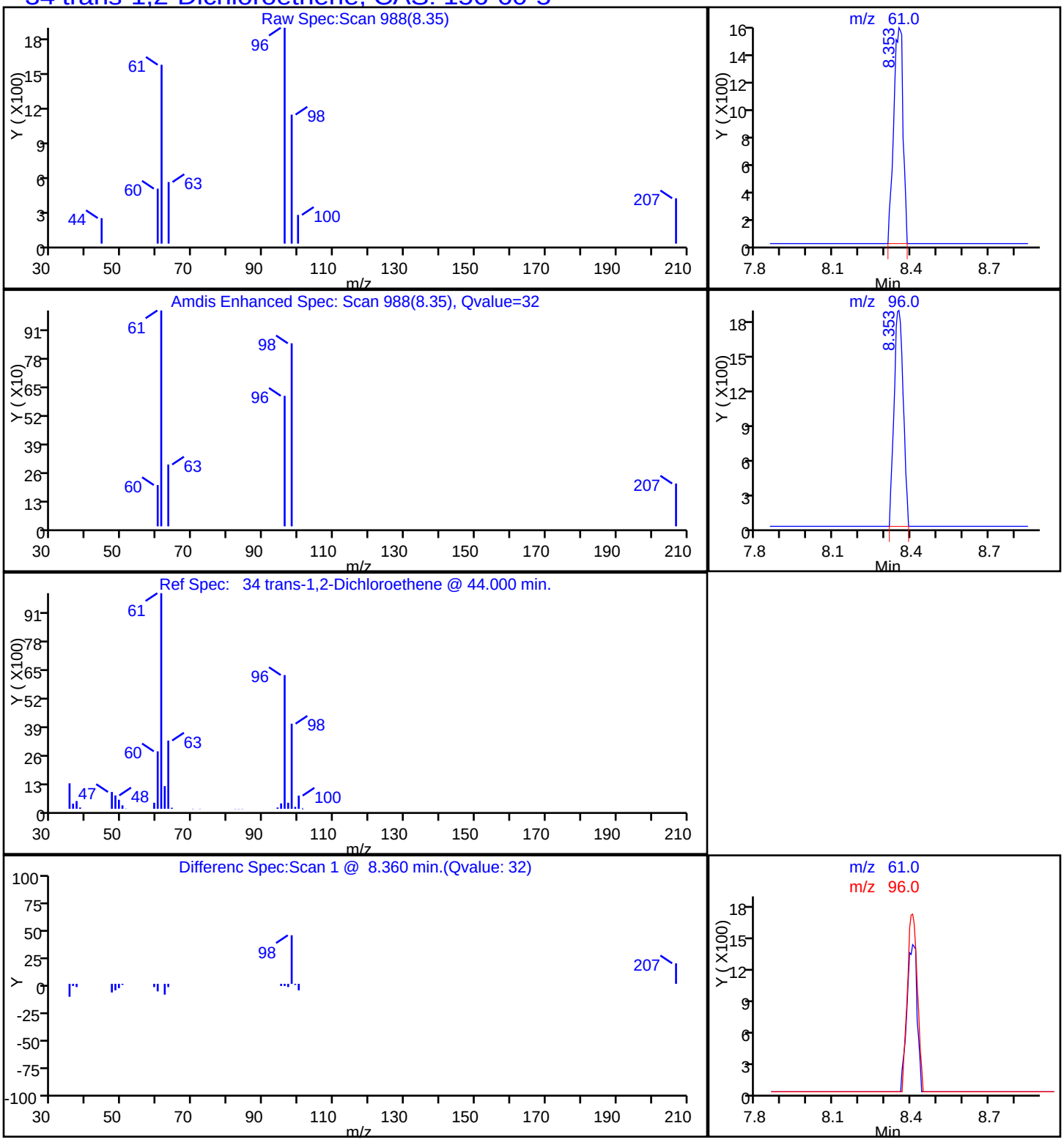
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5



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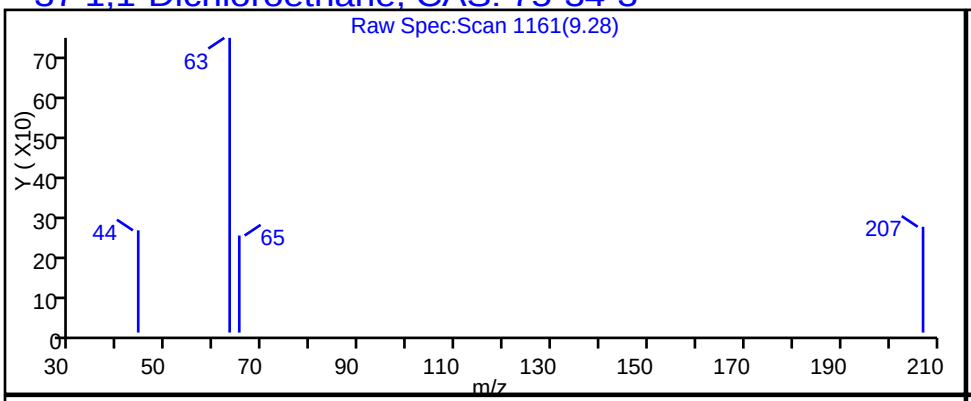
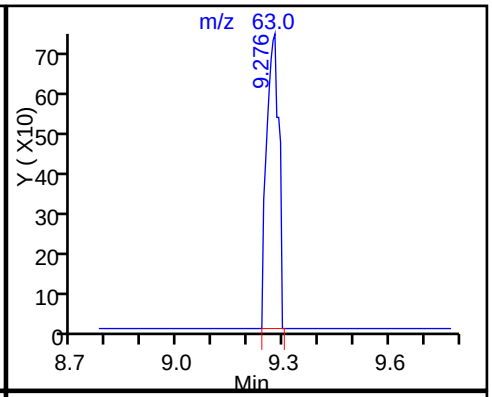
TestAmerica Burlington

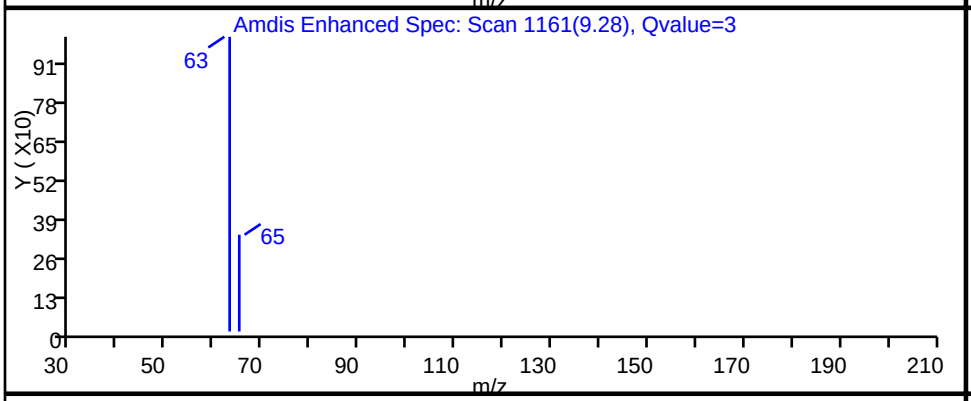
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

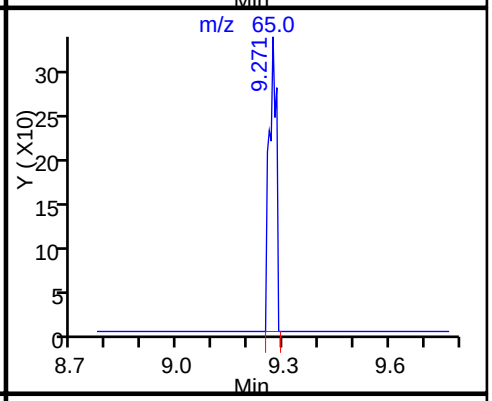
Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

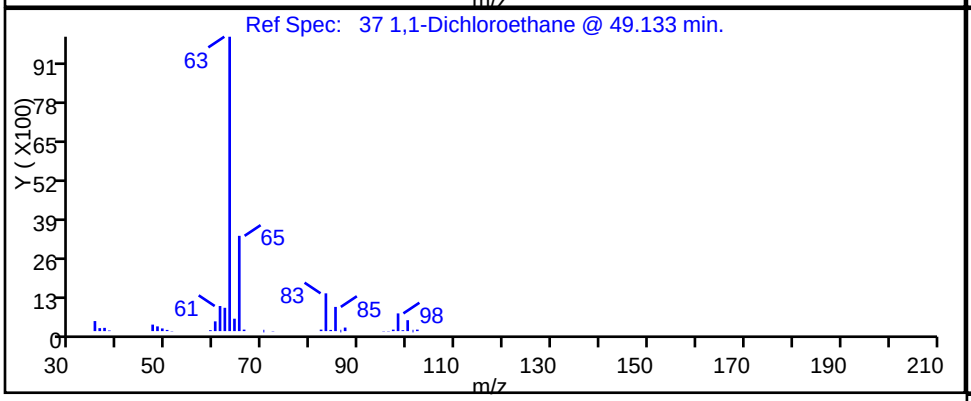
37 1,1-Dichloroethane, CAS: 75-34-3

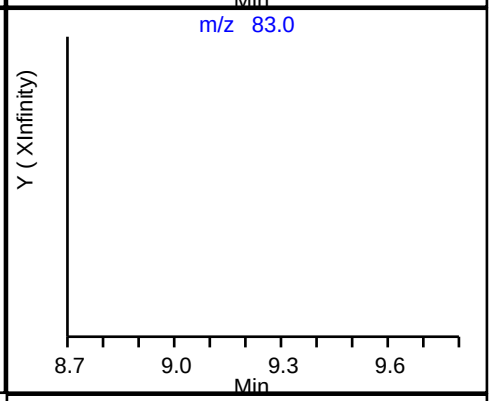


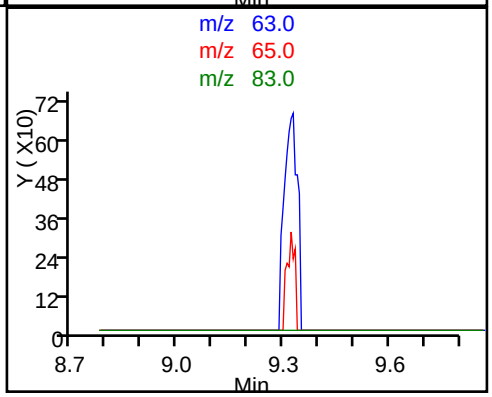












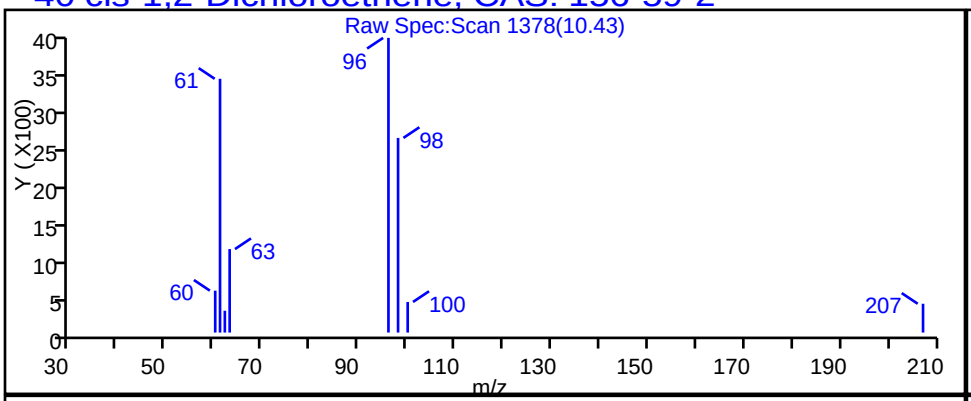
Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

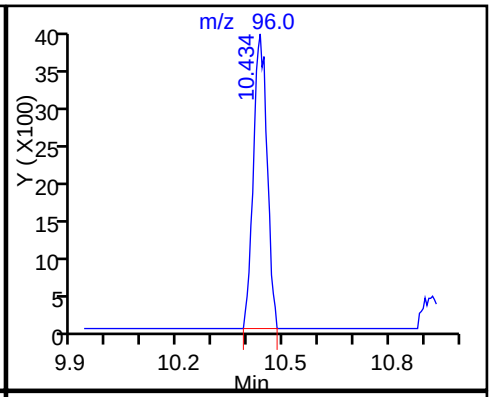
TestAmerica Burlington

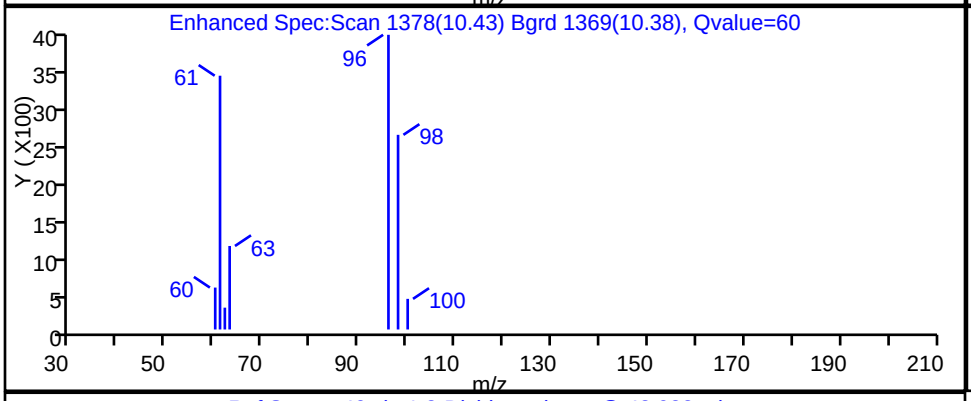
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

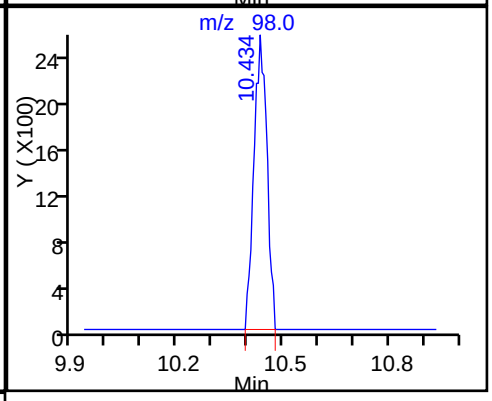
Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

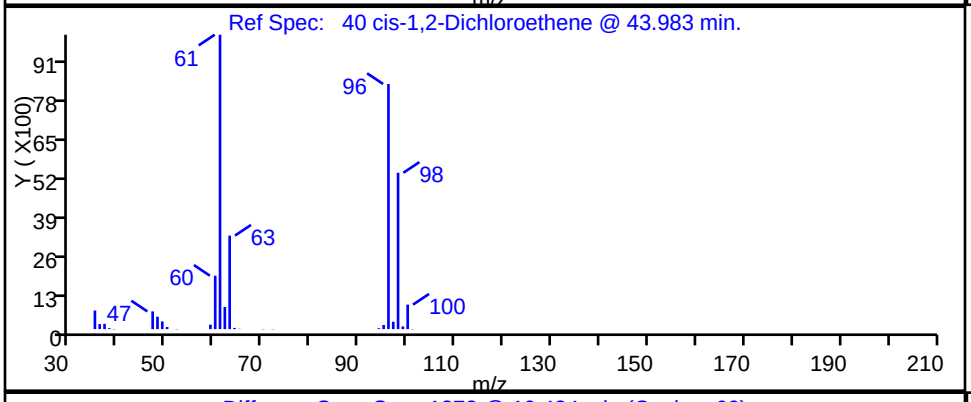
40 cis-1,2-Dichloroethene, CAS: 156-59-2

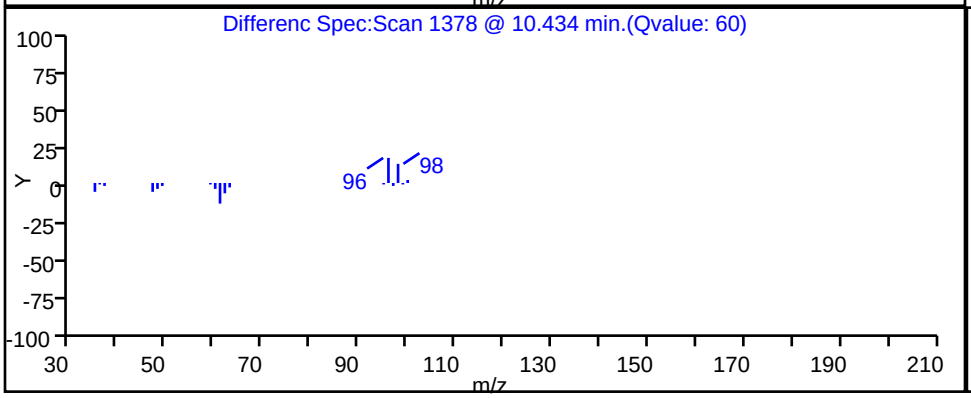


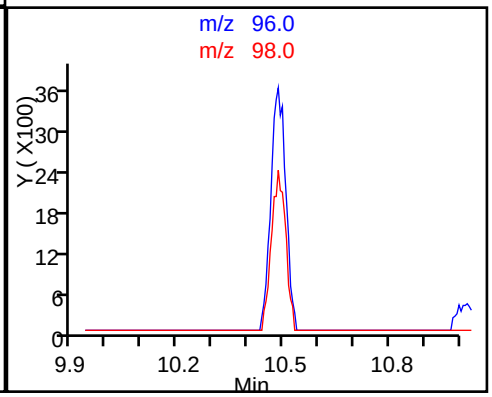












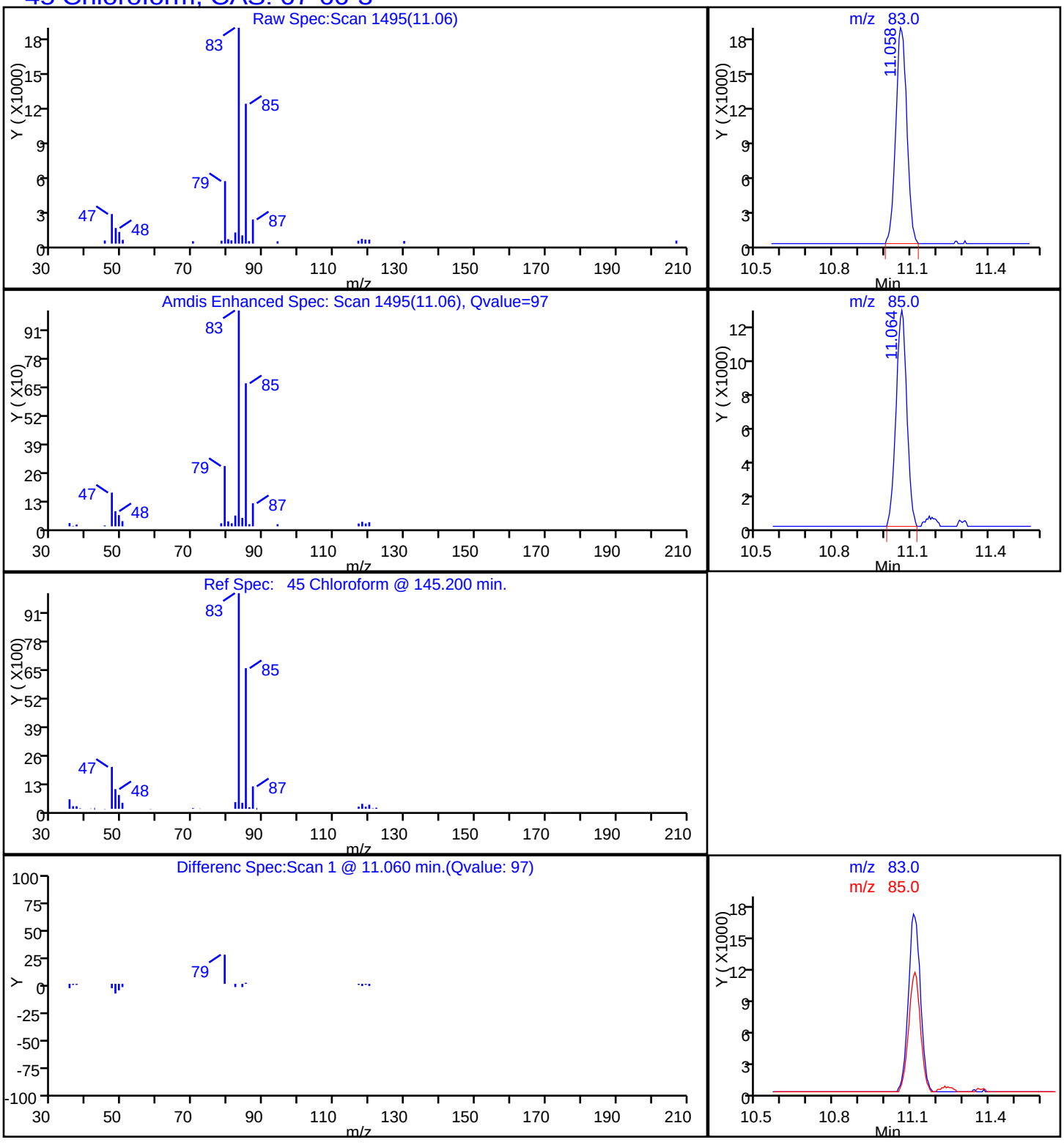
Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



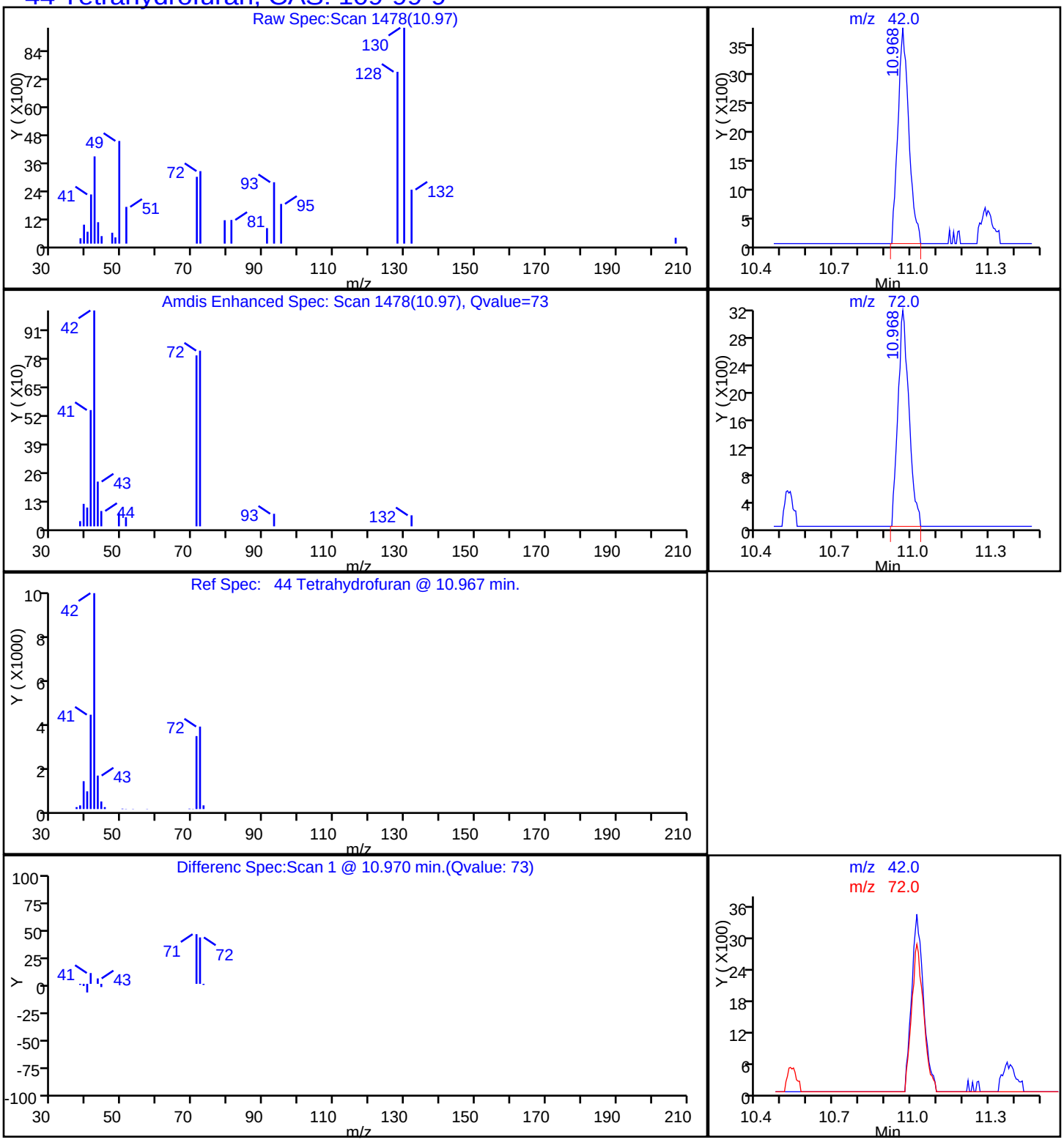
Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Tetrahydrofuran, CAS: 109-99-9



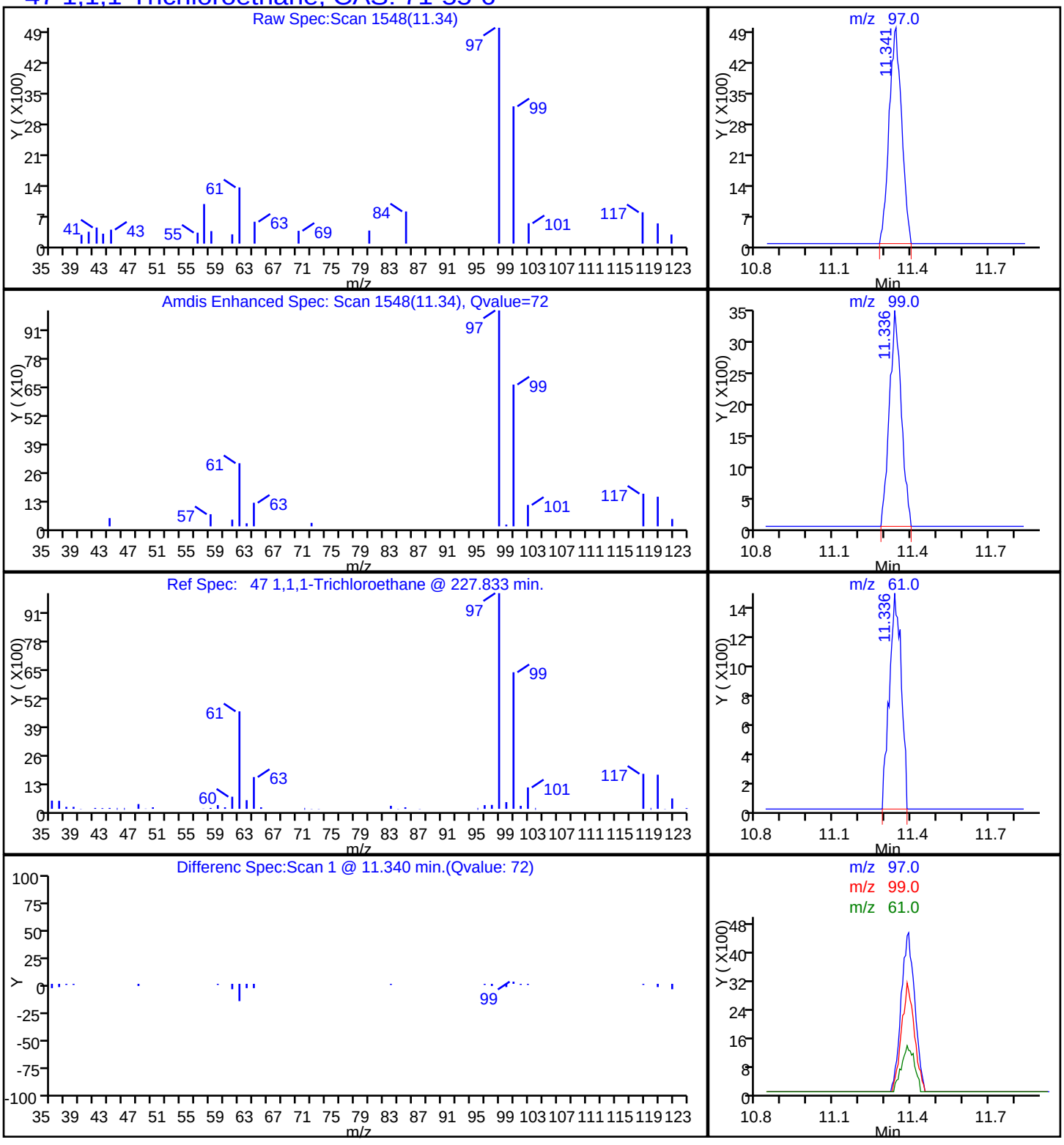
Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

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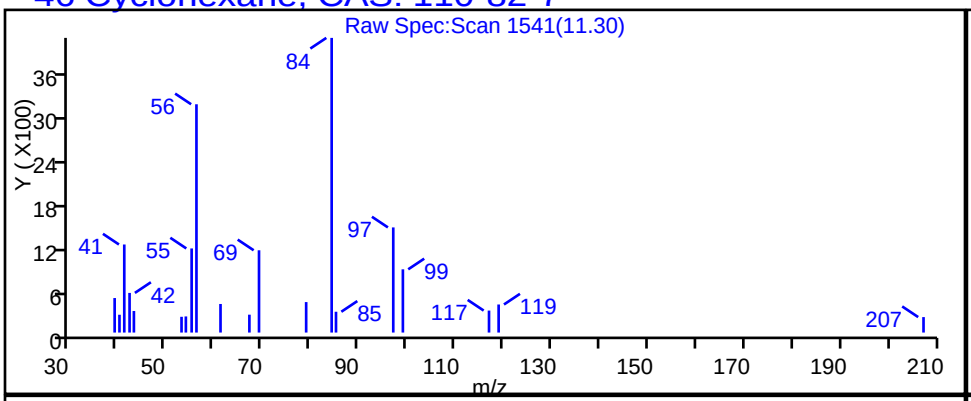
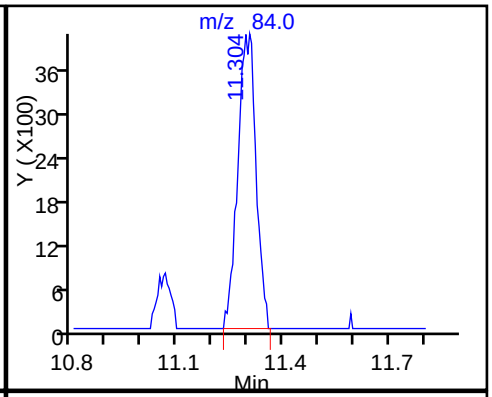
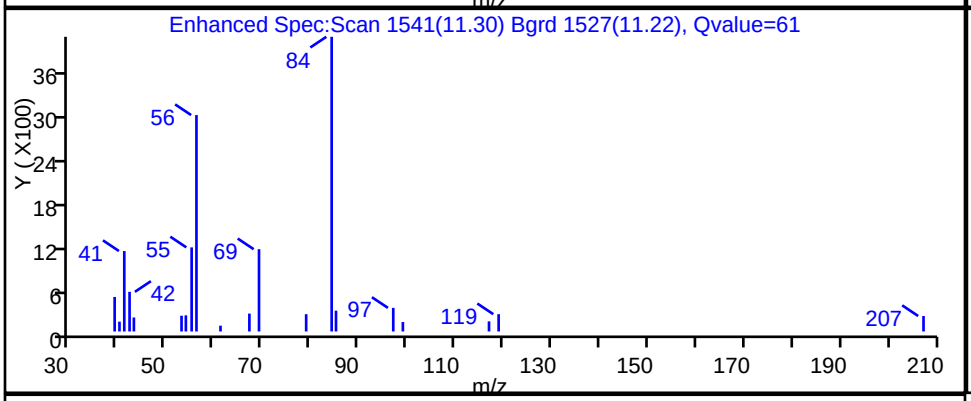
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

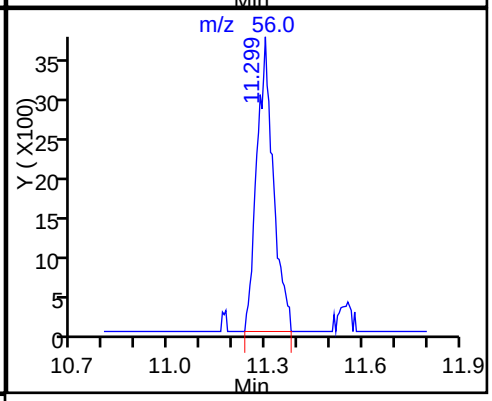
Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

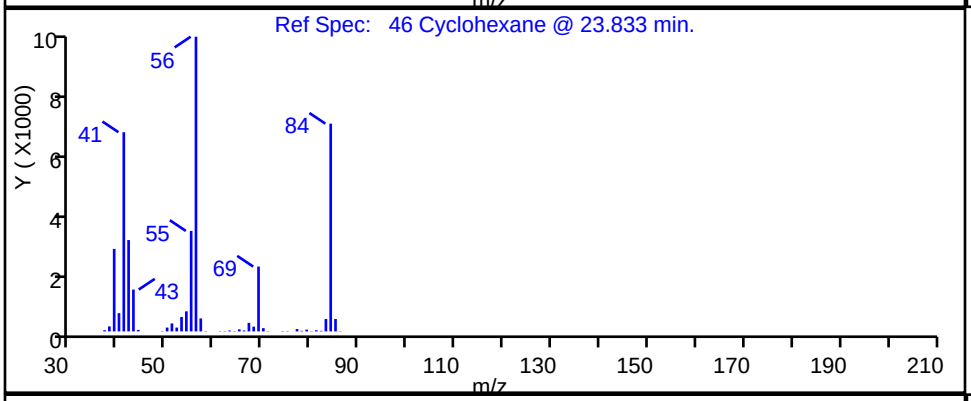
46 Cyclohexane, CAS: 110-82-7

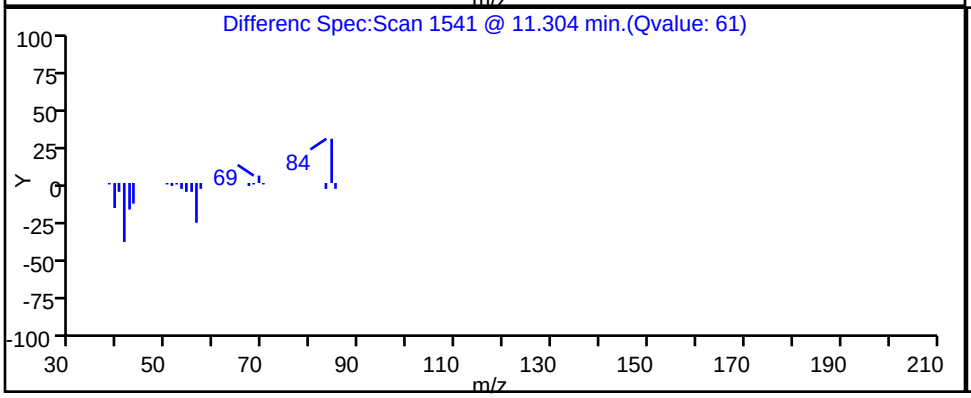


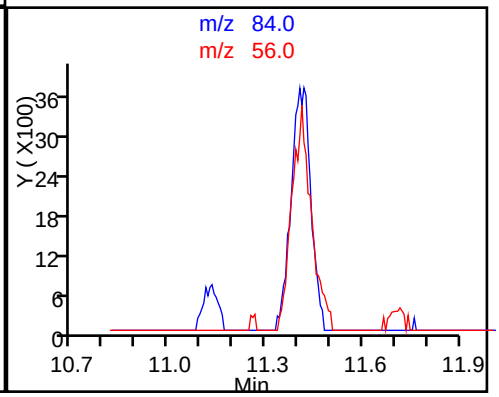












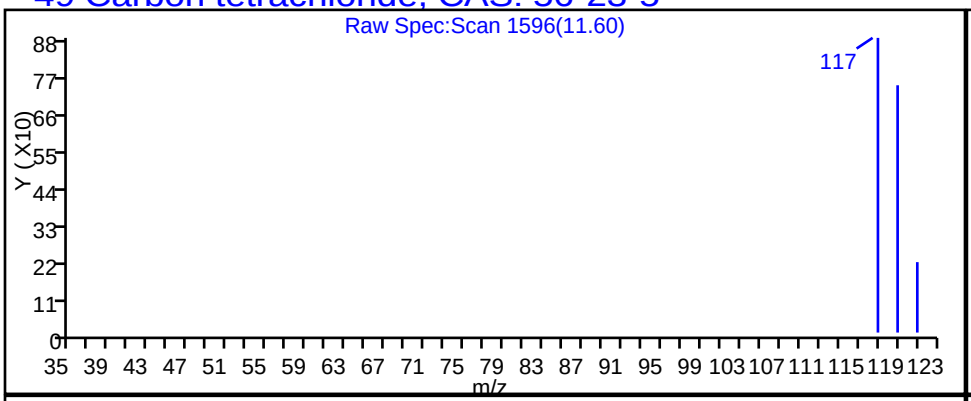
Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

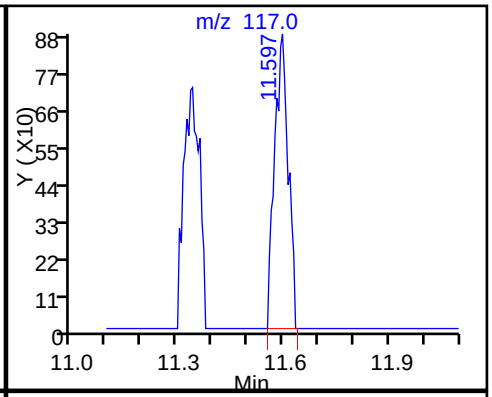
TestAmerica Burlington

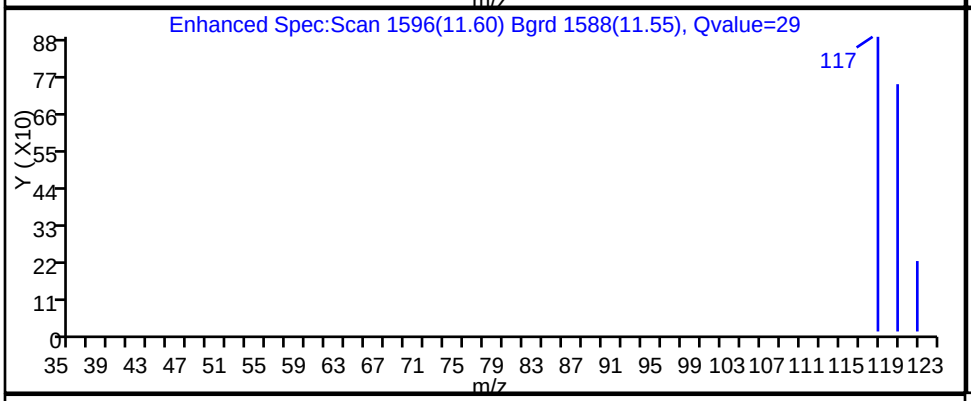
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

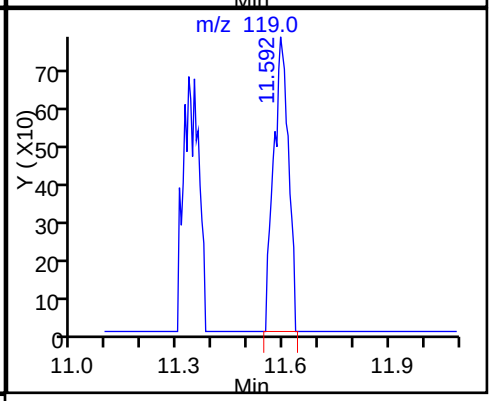
Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

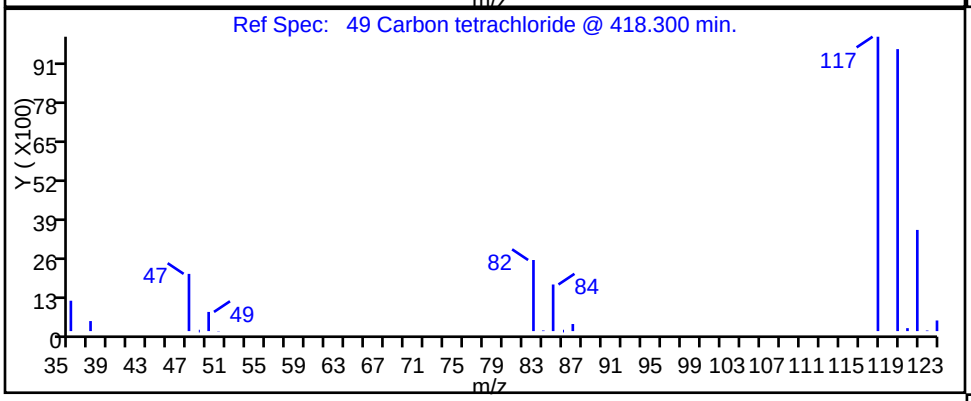
49 Carbon tetrachloride, CAS: 56-23-5

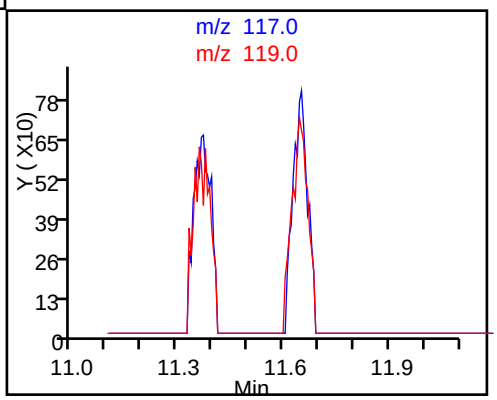












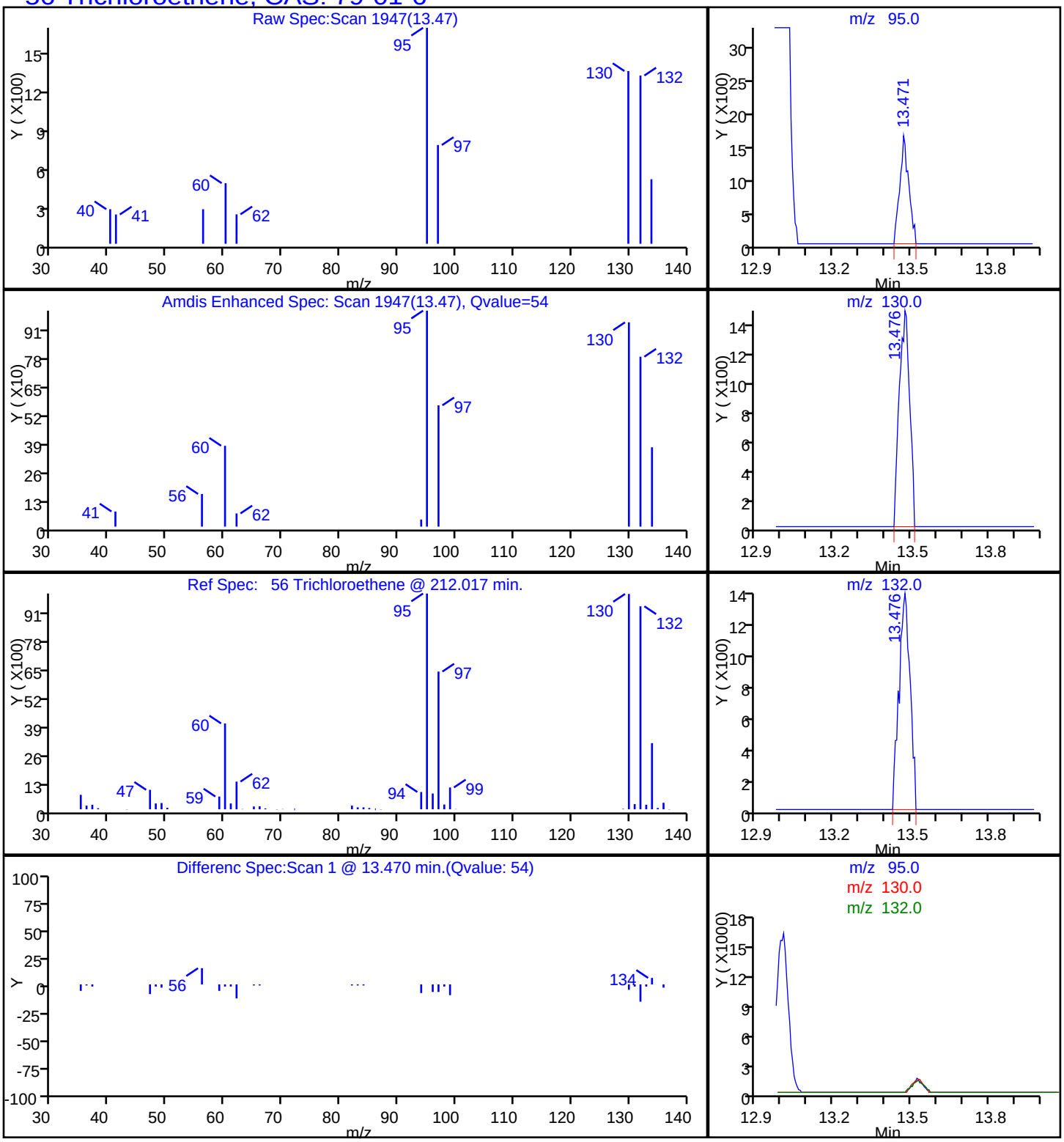
Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



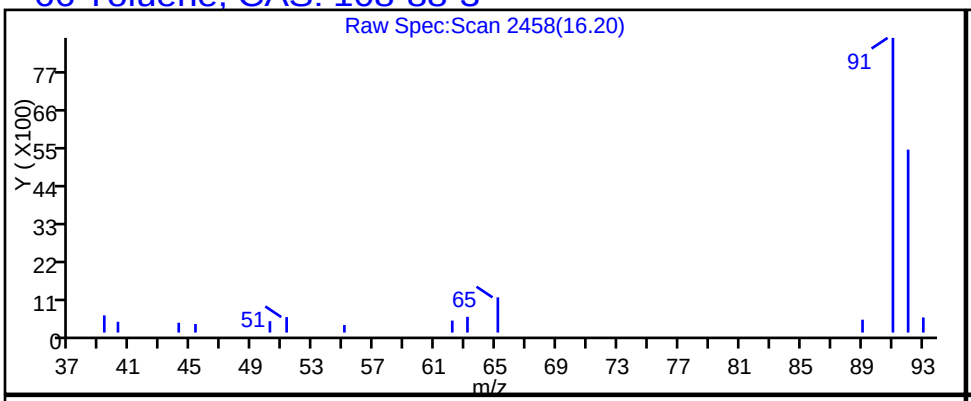
Report Date: 18-Feb-2014 12:56:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

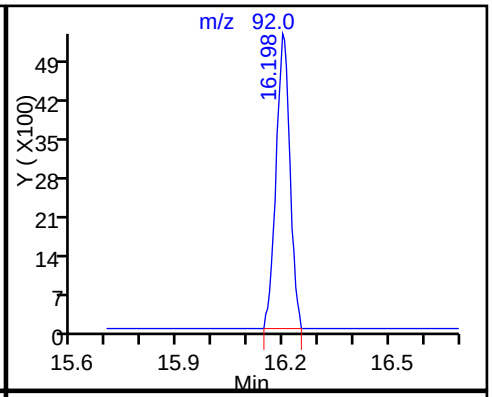
TestAmerica Burlington

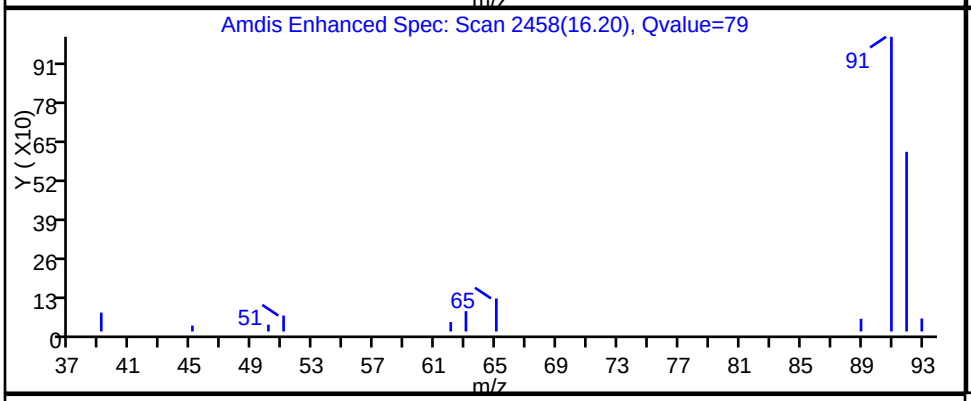
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D

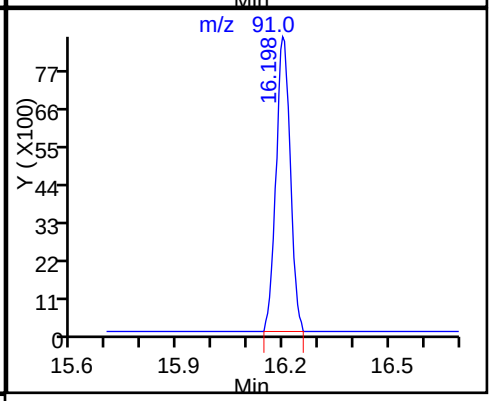
Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

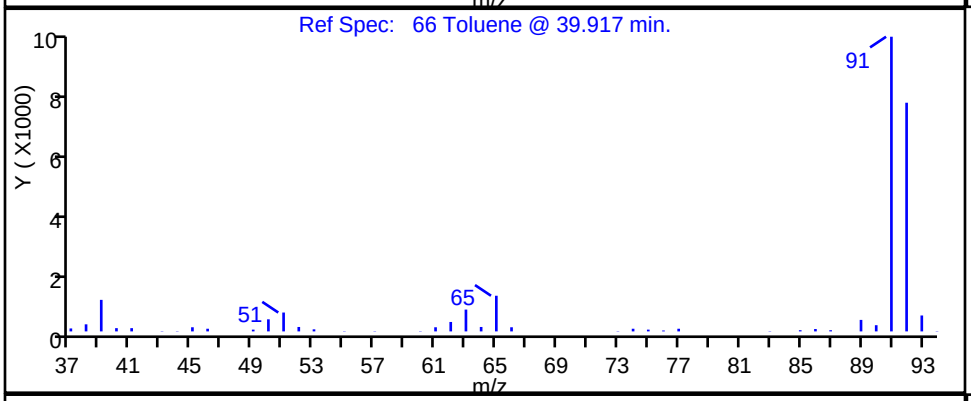
66 Toluene, CAS: 108-88-3

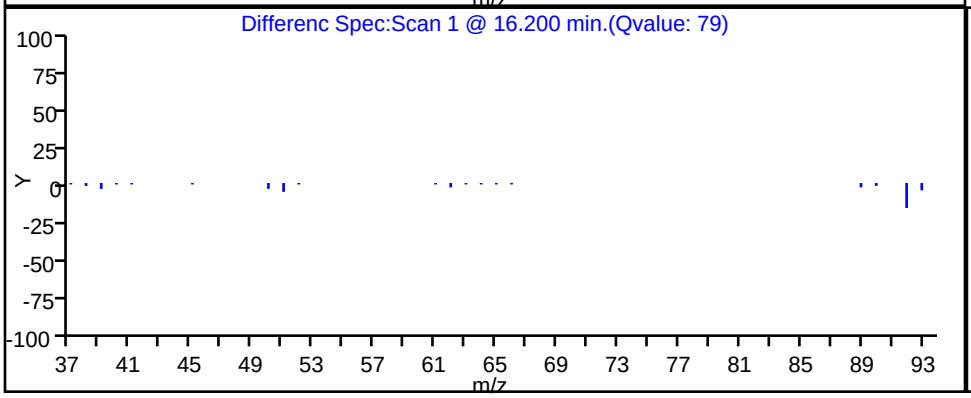


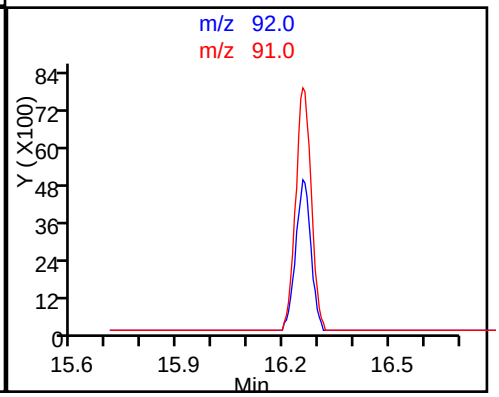












Manual Integration/User Assign Peak Report

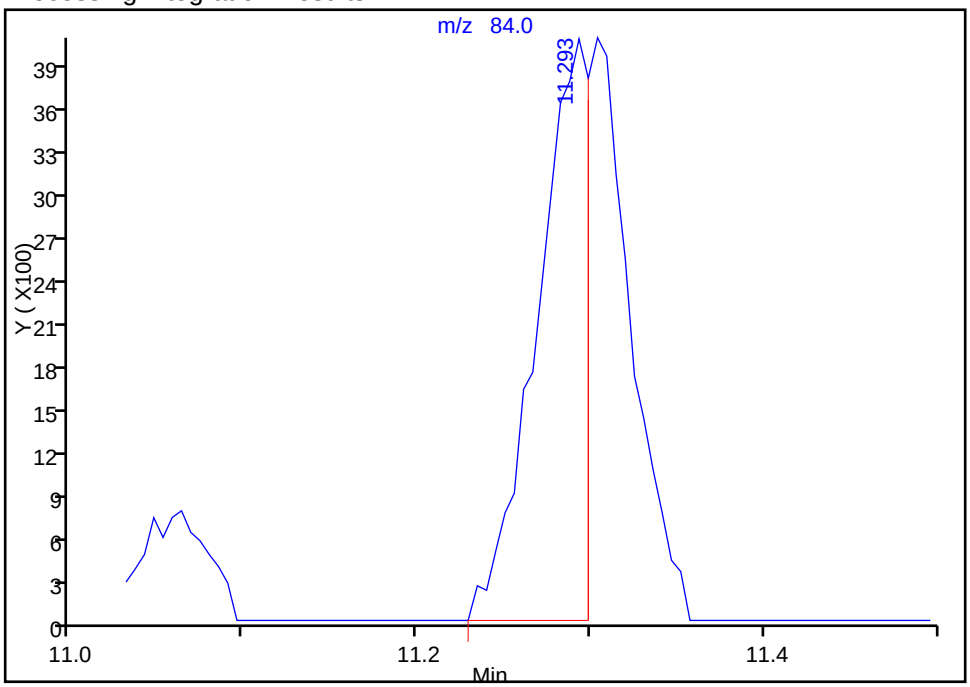
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_20.D				
Injection Date:	18-Feb-2014 02:47:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-9	Lab Sample ID:	200-20861-9		
Client ID:	SSDS-MID-CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

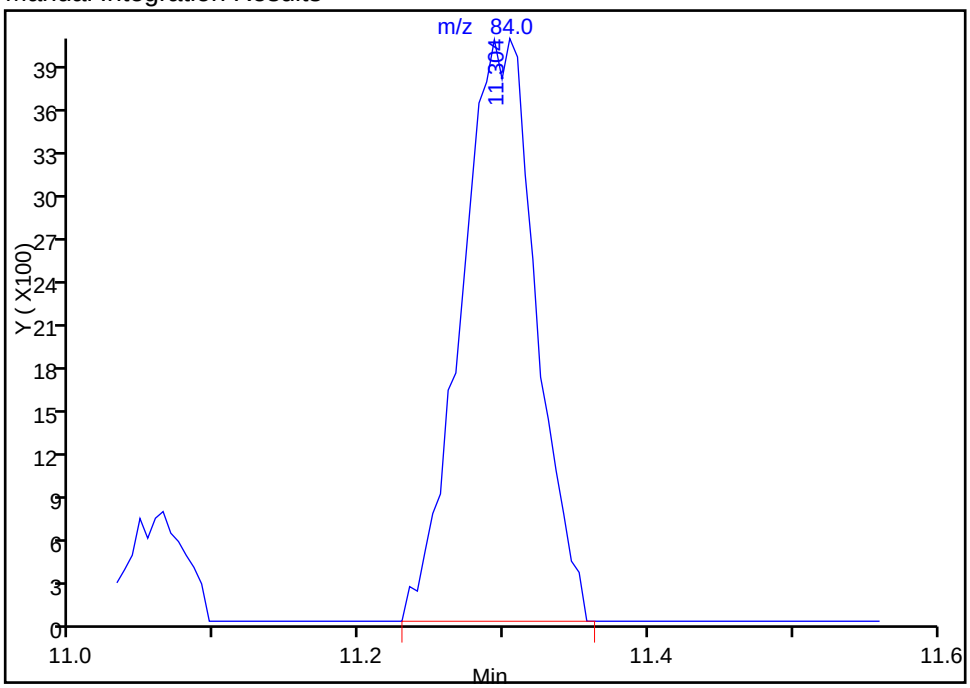
Processing Integration Results

RT: 11.29
Response: 8389
Amount: 0.183185



Manual Integration Results

RT: 11.30
Response: 14510
Amount: 0.316845



Reviewer: desjardinsb, 18-Feb-2014 12:56:18
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SSDS-EFFLUENT Lab Sample ID: 200-20861-10

Matrix: Air Lab File ID: 6208_10.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:30

Sample wt/vol: 80(mL) Date Analyzed: 02/18/2014 20:12

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.98	J	1.3	0.075
75-45-6	Freon 22	86.47	0.79	J	1.3	0.12
76-14-2	Freon-114	170.92	0.50	U	0.50	0.088
74-87-3	Chloromethane	50.49	1.3	U	1.3	0.34
106-97-8	n-Butane	58.12	9.7		1.3	0.71
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.095
106-99-0	1,3-Butadiene	54.09	0.50	U	0.50	0.11
74-83-9	Bromomethane	94.94	0.50	U	0.50	0.070
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.075
593-60-2	Vinyl bromide	106.96	0.50	U	0.50	0.075
75-69-4	Freon 11	137.37	1.3		0.50	0.075
76-13-1	Freon 113	187.38	0.21	J	0.50	0.045
75-35-4	1,1-Dichloroethene	96.94	0.50	U	0.50	0.060
67-64-1	Acetone	58.08	13	U	13	3.1
67-63-0	Isopropyl alcohol	60.10	66		13	0.54
75-15-0	Carbon disulfide	76.14	1.3	U	1.3	0.17
107-05-1	Allyl chloride	76.53	1.3	U	1.3	0.085
75-09-2	Methylene Chloride	84.93	24		1.3	0.31
75-65-0	tert-Butyl alcohol	74.12	13	U	13	0.82
1634-04-4	Methyl tert-butyl ether	88.15	0.50	U	0.50	0.055
156-60-5	trans-1,2-Dichloroethene	96.94	0.39	J	0.50	0.073
110-54-3	Hexane	86.17	0.32	J	0.50	0.085
75-34-3	1,1-Dichloroethane	98.96	0.17	J	0.50	0.095
78-93-3	Methyl Ethyl Ketone	72.11	1.3	U	1.3	0.61
156-59-2	cis-1,2-Dichloroethene	96.94	0.56		0.50	0.095
540-59-0	1,2-Dichloroethene, Total	96.94	0.95		0.50	0.16
67-66-3	Chloroform	119.38	2.1		0.50	0.063
109-99-9	Tetrahydrofuran	72.11	1.9	J	13	0.12
71-55-6	1,1,1-Trichloroethane	133.41	0.62		0.50	0.053
110-82-7	Cyclohexane	84.16	0.92		0.50	0.063
56-23-5	Carbon tetrachloride	153.81	0.076	J	0.10	0.053
540-84-1	2,2,4-Trimethylpentane	114.23	0.50	U	0.50	0.068
71-43-2	Benzene	78.11	0.50	U	0.50	0.048
107-06-2	1,2-Dichloroethane	98.96	0.50	U	0.50	0.043
142-82-5	Heptane	100.21	0.50	U	0.50	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SSDS-EFFLUENT Lab Sample ID: 200-20861-10

Matrix: Air Lab File ID: 6208_10.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:30

Sample wt/vol: 80(mL) Date Analyzed: 02/18/2014 20:12

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.10	U	0.10	0.060
80-62-6	Methyl methacrylate	100.12	1.3	U	1.3	0.075
78-87-5	1,2-Dichloropropane	112.99	0.50	U	0.50	0.080
123-91-1	1,4-Dioxane	88.11	13	U	13	0.50
75-27-4	Bromodichloromethane	163.83	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	110.97	0.50	U	0.50	0.070
108-10-1	methyl isobutyl ketone	100.16	1.3	U	1.3	0.068
108-88-3	Toluene	92.14	0.25	J	0.50	0.043
10061-02-6	trans-1,3-Dichloropropene	110.97	0.50	U	0.50	0.055
79-00-5	1,1,2-Trichloroethane	133.41	0.50	U	0.50	0.043
127-18-4	Tetrachloroethene	165.83	0.11	J	0.50	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.3	U	1.3	0.50
124-48-1	Dibromochloromethane	208.29	0.50	U	0.50	0.050
106-93-4	1,2-Dibromoethane	187.87	0.50	U	0.50	0.050
108-90-7	Chlorobenzene	112.56	0.50	U	0.50	0.020
100-41-4	Ethylbenzene	106.17	0.50	U	0.50	0.033
179601-23-1	m,p-Xylene	106.17	0.26	J	1.3	0.058
95-47-6	Xylene, o-	106.17	0.11	J	0.50	0.040
1330-20-7	Xylene (total)	106.17	0.37	J	0.50	0.085
100-42-5	Styrene	104.15	0.50	U	0.50	0.045
75-25-2	Bromoform	252.75	0.50	U	0.50	0.025
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.50	U	0.50	0.040
103-65-1	n-Propylbenzene	120.19	0.50	U	0.50	0.20
622-96-8	4-Ethyltoluene	120.20	0.50	U	0.50	0.045
108-67-8	1,3,5-Trimethylbenzene	120.20	0.50	U	0.50	0.030
95-49-8	2-Chlorotoluene	126.59	0.50	U	0.50	0.033
98-06-6	tert-Butylbenzene	134.22	0.50	U	0.50	0.043
95-63-6	1,2,4-Trimethylbenzene	120.20	0.50	U	0.50	0.035
135-98-8	sec-Butylbenzene	134.22	0.50	U	0.50	0.20
99-87-6	4-Isopropyltoluene	134.22	0.50	U	0.50	0.20
541-73-1	1,3-Dichlorobenzene	147.00	0.50	U	0.50	0.035
106-46-7	1,4-Dichlorobenzene	147.00	0.50	U	0.50	0.035
100-44-7	Benzyl chloride	126.58	0.50	U	0.50	0.20
104-51-8	n-Butylbenzene	134.22	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SSDS-EFFLUENT Lab Sample ID: 200-20861-10

Matrix: Air Lab File ID: 6208_10.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:30

Sample wt/vol: 80(mL) Date Analyzed: 02/18/2014 20:12

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.50	U	0.50	0.035
120-82-1	1,2,4-Trichlorobenzene	181.45	1.3	U *	1.3	0.068
87-68-3	Hexachloro-1,3-butadiene	260.76	0.50	U	0.50	0.055
91-20-3	Naphthalene	128.17	1.3	U ^ *	1.3	0.50

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SSDS-EFFLUENT Lab Sample ID: 200-20861-10

Matrix: Air Lab File ID: 6208_10.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:30

Sample wt/vol: 80(mL) Date Analyzed: 02/18/2014 20:12

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	4.8	J	6.2	0.37
75-45-6	Freon 22	86.47	2.8	J	4.4	0.42
76-14-2	Freon-114	170.92	3.5	U	3.5	0.61
74-87-3	Chloromethane	50.49	2.6	U	2.6	0.70
106-97-8	n-Butane	58.12	23		3.0	1.7
75-01-4	Vinyl chloride	62.50	0.26	U	0.26	0.24
106-99-0	1,3-Butadiene	54.09	1.1	U	1.1	0.23
74-83-9	Bromomethane	94.94	1.9	U	1.9	0.27
75-00-3	Chloroethane	64.52	3.3	U	3.3	0.20
593-60-2	Vinyl bromide	106.96	2.2	U	2.2	0.33
75-69-4	Freon 11	137.37	7.2		2.8	0.42
76-13-1	Freon 113	187.38	1.6	J	3.8	0.34
75-35-4	1,1-Dichloroethene	96.94	2.0	U	2.0	0.24
67-64-1	Acetone	58.08	30	U	30	7.4
67-63-0	Isopropyl alcohol	60.10	160		31	1.3
75-15-0	Carbon disulfide	76.14	3.9	U	3.9	0.51
107-05-1	Allyl chloride	76.53	3.9	U	3.9	0.27
75-09-2	Methylene Chloride	84.93	85		4.3	1.1
75-65-0	tert-Butyl alcohol	74.12	38	U	38	2.5
1634-04-4	Methyl tert-butyl ether	88.15	1.8	U	1.8	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	1.5	J	2.0	0.29
110-54-3	Hexane	86.17	1.1	J	1.8	0.30
75-34-3	1,1-Dichloroethane	98.96	0.68	J	2.0	0.38
78-93-3	Methyl Ethyl Ketone	72.11	3.7	U	3.7	1.8
156-59-2	cis-1,2-Dichloroethene	96.94	2.2		2.0	0.38
540-59-0	1,2-Dichloroethene, Total	96.94	3.8		2.0	0.63
67-66-3	Chloroform	119.38	10		2.4	0.31
109-99-9	Tetrahydrofuran	72.11	5.7	J	37	0.34
71-55-6	1,1,1-Trichloroethane	133.41	3.4		2.7	0.29
110-82-7	Cyclohexane	84.16	3.2		1.7	0.22
56-23-5	Carbon tetrachloride	153.81	0.48	J	0.63	0.33
540-84-1	2,2,4-Trimethylpentane	114.23	2.3	U	2.3	0.32
71-43-2	Benzene	78.11	1.6	U	1.6	0.15
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	0.17
142-82-5	Heptane	100.21	2.0	U	2.0	0.47

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SSDS-EFFLUENT Lab Sample ID: 200-20861-10

Matrix: Air Lab File ID: 6208_10.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:30

Sample wt/vol: 80(mL) Date Analyzed: 02/18/2014 20:12

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.54	U	0.54	0.32
80-62-6	Methyl methacrylate	100.12	5.1	U	5.1	0.31
78-87-5	1,2-Dichloropropane	112.99	2.3	U	2.3	0.37
123-91-1	1,4-Dioxane	88.11	45	U	45	1.8
75-27-4	Bromodichloromethane	163.83	3.4	U	3.4	0.28
10061-01-5	cis-1,3-Dichloropropene	110.97	2.3	U	2.3	0.32
108-10-1	methyl isobutyl ketone	100.16	5.1	U	5.1	0.28
108-88-3	Toluene	92.14	0.94	J	1.9	0.16
10061-02-6	trans-1,3-Dichloropropene	110.97	2.3	U	2.3	0.25
79-00-5	1,1,2-Trichloroethane	133.41	2.7	U	2.7	0.23
127-18-4	Tetrachloroethene	165.83	0.74	J	3.4	0.27
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.1	U	5.1	2.0
124-48-1	Dibromochloromethane	208.29	4.3	U	4.3	0.43
106-93-4	1,2-Dibromoethane	187.87	3.8	U	3.8	0.38
108-90-7	Chlorobenzene	112.56	2.3	U	2.3	0.093
100-41-4	Ethylbenzene	106.17	2.2	U	2.2	0.14
179601-23-1	m,p-Xylene	106.17	1.1	J	5.4	0.25
95-47-6	Xylene, o-	106.17	0.47	J	2.2	0.17
1330-20-7	Xylene (total)	106.17	1.6	J	2.2	0.37
100-42-5	Styrene	104.15	2.1	U	2.1	0.19
75-25-2	Bromoform	252.75	5.2	U	5.2	0.26
79-34-5	1,1,2,2-Tetrachloroethane	167.85	3.4	U	3.4	0.27
103-65-1	n-Propylbenzene	120.19	2.5	U	2.5	0.98
622-96-8	4-Ethyltoluene	120.20	2.5	U	2.5	0.22
108-67-8	1,3,5-Trimethylbenzene	120.20	2.5	U	2.5	0.15
95-49-8	2-Chlorotoluene	126.59	2.6	U	2.6	0.17
98-06-6	tert-Butylbenzene	134.22	2.7	U	2.7	0.23
95-63-6	1,2,4-Trimethylbenzene	120.20	2.5	U	2.5	0.17
135-98-8	sec-Butylbenzene	134.22	2.7	U	2.7	1.1
99-87-6	4-Isopropyltoluene	134.22	2.7	U	2.7	1.1
541-73-1	1,3-Dichlorobenzene	147.00	3.0	U	3.0	0.21
106-46-7	1,4-Dichlorobenzene	147.00	3.0	U	3.0	0.21
100-44-7	Benzyl chloride	126.58	2.6	U	2.6	1.0
104-51-8	n-Butylbenzene	134.22	2.7	U	2.7	1.1

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: SSDS-EFFLUENT Lab Sample ID: 200-20861-10

Matrix: Air Lab File ID: 6208_10.D

Analysis Method: TO-15 Date Collected: 02/07/2014 10:30

Sample wt/vol: 80(mL) Date Analyzed: 02/18/2014 20:12

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	3.0	U	3.0	0.21
120-82-1	1,2,4-Trichlorobenzene	181.45	9.3	U *	9.3	0.50
87-68-3	Hexachloro-1,3-butadiene	260.76	5.3	U	5.3	0.59
91-20-3	Naphthalene	128.17	6.6	U ^ *	6.6	2.6

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D
Lims ID: 200-20861-A-10 Lab Sample ID: 200-20861-10
Client ID: SSDS-EFFLUENT
Sample Type: Client
Inject. Date: 18-Feb-2014 20:12:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 2.5000
Sample Info: 200-0006208-010
Misc. Info.: 20861-10
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Feb-2014 11:06:49 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: desjardinsb Date: 19-Feb-2014 11:07:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.261	3.256	0.005	90	24971	0.3915	
6 Chlorodifluoromethane	51	3.320	3.320	0.0	48	6187	0.3153	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.549					
8 Chloromethane	50		3.699					
9 Butane	43	3.918	3.918	0.0	97	56242	3.90	
10 Vinyl chloride	62		3.971					
11 Butadiene	54		4.056					
12 Bromomethane	94		4.798					
13 Chloroethane	64		5.054					
15 Vinyl bromide	106		5.471					
16 Trichlorofluoromethane	101	5.578	5.577	0.001	87	38614	0.5132	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.714	6.720	-0.006	50	4725	0.0854	
23 1,1-Dichloroethene	96		6.762					
25 Acetone	43		7.045					
26 Carbon disulfide	76		7.152					
28 Isopropyl alcohol	45	7.365	7.360	0.005	98	289945	26.6	
29 3-Chloro-1-propene	41		7.595					
31 Methylene Chloride	49	7.904	7.904	0.0	70	124528	9.76	
32 2-Methyl-2-propanol	59		8.166					
33 Methyl tert-butyl ether	73		8.321					
34 trans-1,2-Dichloroethene	61	8.347	8.353	-0.006	29	3843	0.1558	
36 Hexane	57	8.737	8.748	-0.011	72	3123	0.1270	
37 1,1-Dichloroethane	63	9.276	9.271	0.005	2	2327	0.0667	
S 39 1,2-Dichloroethene, Total	61				0		0.3783	
40 cis-1,2-Dichloroethene	96	10.434	10.434	0.0	62	8000	0.2224	
41 2-Butanone (MEK)	72		10.514					
* 43 Chlorobromomethane	128	10.920	10.925	-0.005	64	379074	10.0	
44 Tetrahydrofuran	42	10.968	10.941	0.027	75	10043	0.7681	
45 Chloroform	83	11.064	11.064	0.0	90	56451	0.8450	
46 Cyclohexane	84	11.299	11.299	0.0	71	16863	0.3680	
47 1,1,1-Trichloroethane	97	11.336	11.341	-0.005	72	18022	0.2494	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	49 Carbon tetrachloride	117	11.587	11.597	-0.010	24	2417	0.0304	
	50 Isooctane	57		12.051					
	51 Benzene	78		12.099					
	52 1,2-Dichloroethane	62		12.307					
	53 n-Heptane	43		12.462					
*	54 1,4-Difluorobenzene	114	12.990	12.996	-0.006	92	2029297	10.0	
	56 Trichloroethene	95		13.476					
	58 1,2-Dichloropropane	63		14.074					
	59 Methyl methacrylate	69		14.255					
	60 1,4-Dioxane	88		14.319					
	62 Dichlorobromomethane	83		14.645					
	64 cis-1,3-Dichloropropene	75		15.605					
	65 4-Methyl-2-pentanone (MIBK)	43		15.915					
	66 Toluene	92	16.198	16.203	-0.005	73	8976	0.0998	
	70 trans-1,3-Dichloropropene	75		16.817					
	71 1,1,2-Trichloroethane	83		17.196					
	72 Tetrachloroethene	166	17.281	17.287	-0.006	56	3436	0.0437	
	73 2-Hexanone	43		17.655					
	74 Chlorodibromomethane	129		17.964					
	75 Ethylene Dibromide	107		18.242					
*	76 Chlorobenzene-d5	117	19.133	19.139	-0.006	83	1826309	10.0	
	77 Chlorobenzene	112		19.197					
	79 Ethylbenzene	91		19.347					
	81 m-Xylene & p-Xylene	106	19.592	19.598	-0.006	83	8309	0.1033	
S	82 Xylenes, Total	106		20.100					
	83 o-Xylene	106	20.403	20.403	0.0	53	3403	0.0433	
	84 Styrene	104		20.457					
	85 Bromoform	173		20.852					
$	87 4-Bromofluorobenzene	95	21.391	21.391	0.0	95	1297797	NC	
	88 1,1,2,2-Tetrachloroethane	83		21.658					
	89 N-Propylbenzene	91		21.722					
	92 4-Ethyltoluene	105		21.898					
	93 2-Chlorotoluene	91		21.914					
	94 1,3,5-Trimethylbenzene	105		21.999					
	96 tert-Butylbenzene	119		22.474					
	97 1,2,4-Trimethylbenzene	105		22.565					
	98 sec-Butylbenzene	105		22.784					
	99 4-Isopropyltoluene	119		22.981					
	100 1,3-Dichlorobenzene	146		23.018					
	101 1,4-Dichlorobenzene	146		23.157					
	102 Benzyl chloride	91		23.365					
	103 n-Butylbenzene	91		23.573					
	105 1,2-Dichlorobenzene	146		23.712					
	107 1,2,4-Trichlorobenzene	180		26.343					
	108 Hexachlorobutadiene	225		26.530					
	109 Naphthalene	128		26.872					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

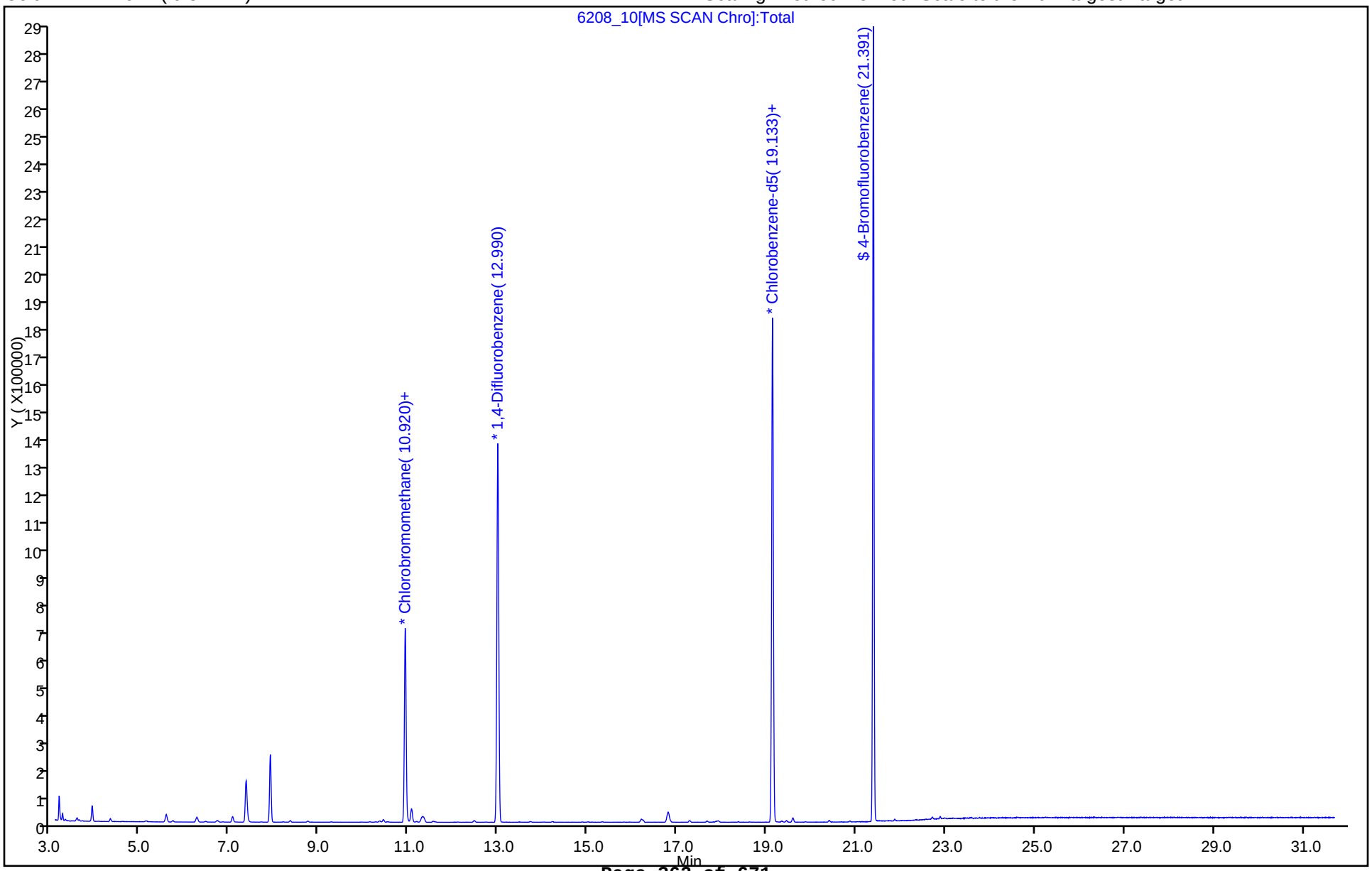
Report Date: 19-Feb-2014 11:07:03 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10	Worklist Smp#:	10
Client ID:	SSDS-EFFLUENT				
Purge Vol:	200.000 mL	Dil. Factor:	2.5000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



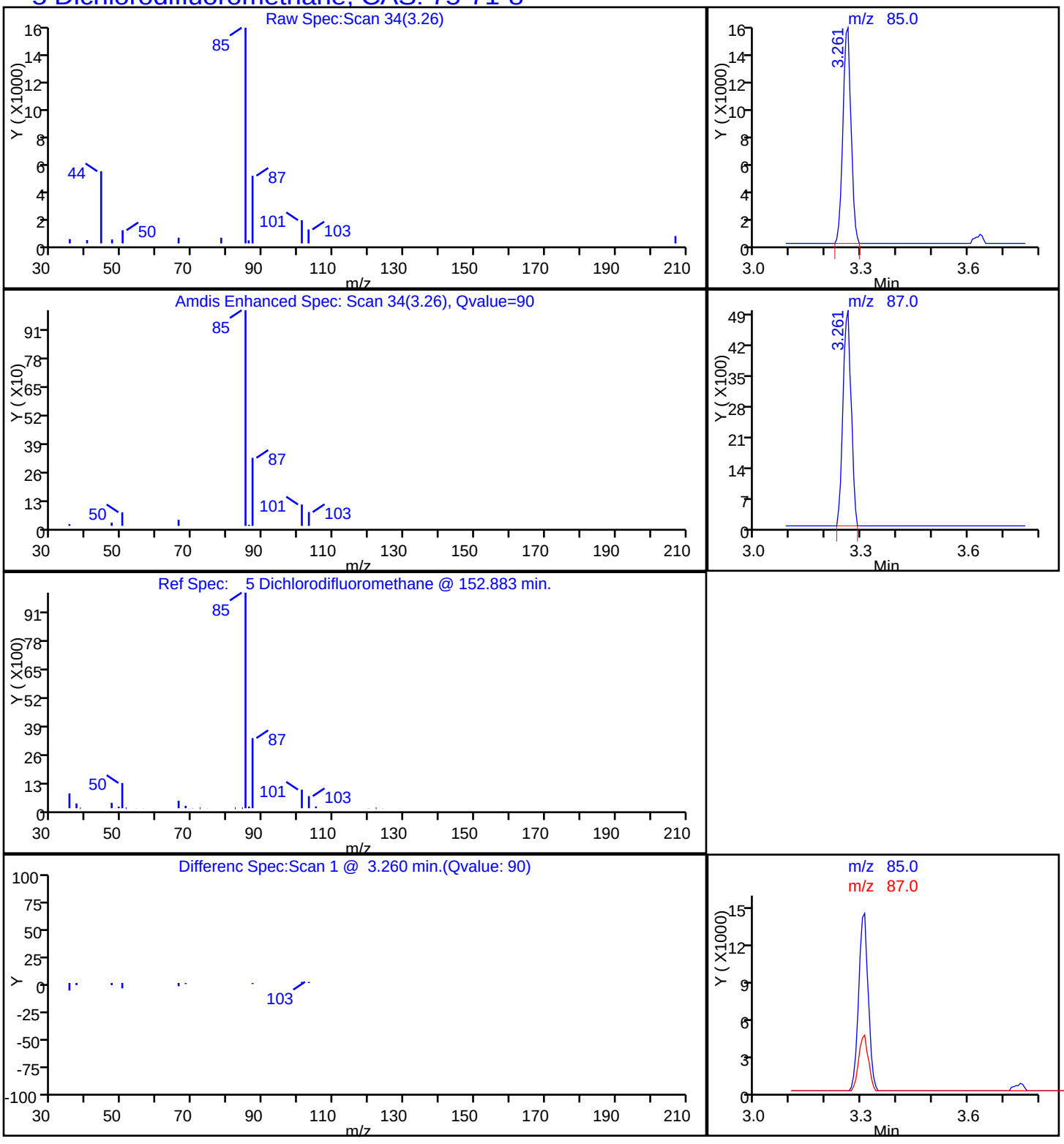
Report Date: 19-Feb-2014 11:07:03 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10		
Client ID:	SSDS-EFFLUENT				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Dichlorodifluoromethane, CAS: 75-71-8



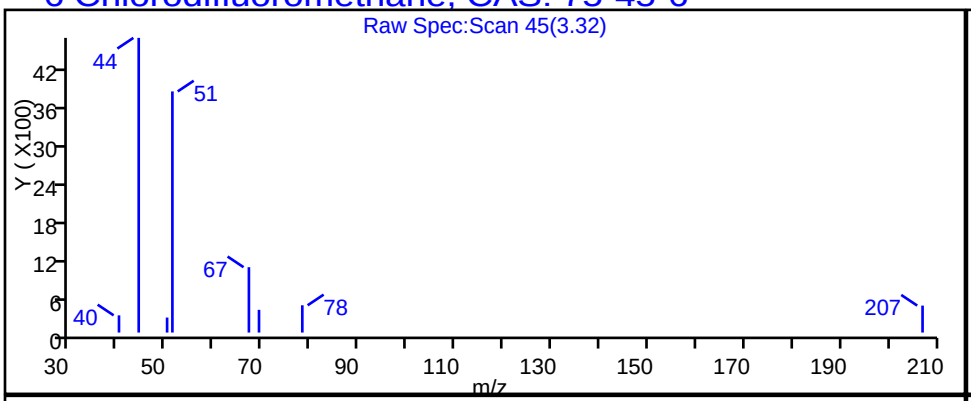
Report Date: 19-Feb-2014 11:07:03 Chrom Revision: 2.2 06-Feb-2014 15:19:06

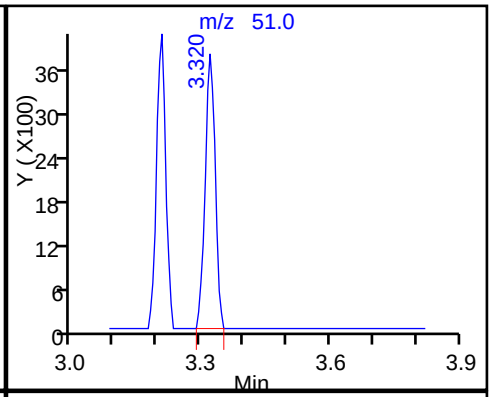
TestAmerica Burlington

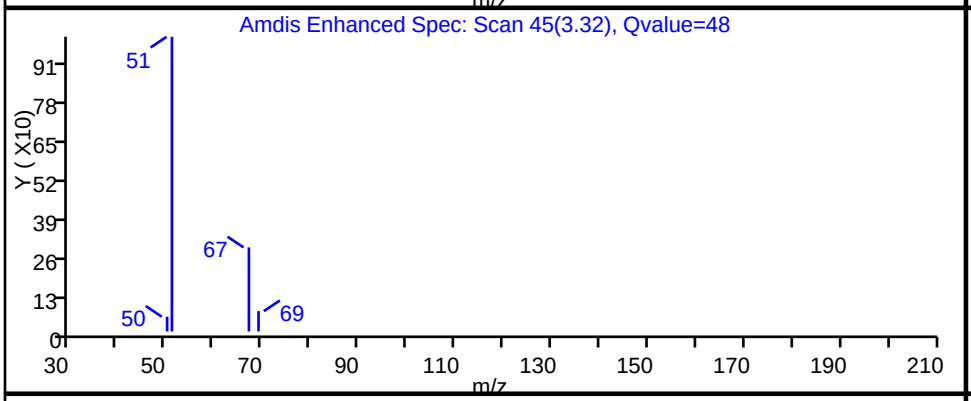
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

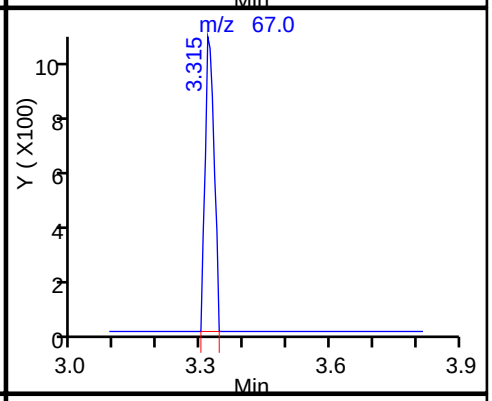
Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10		
Client ID:	SSDS-EFFLUENT				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

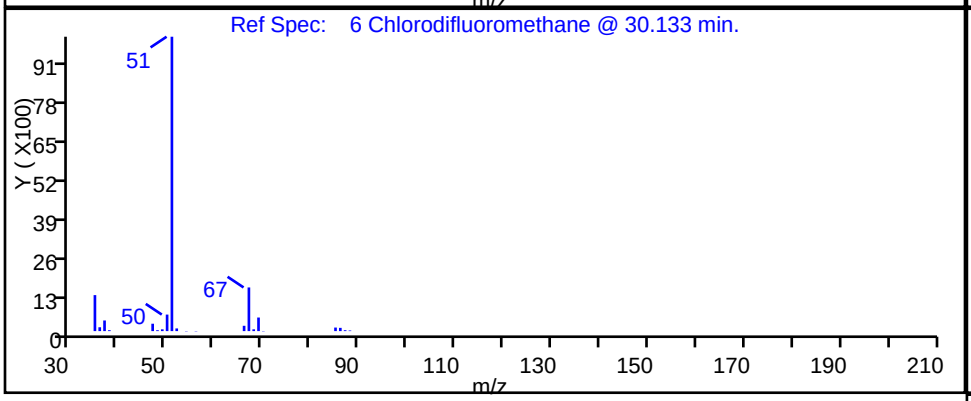
6 Chlorodifluoromethane, CAS: 75-45-6

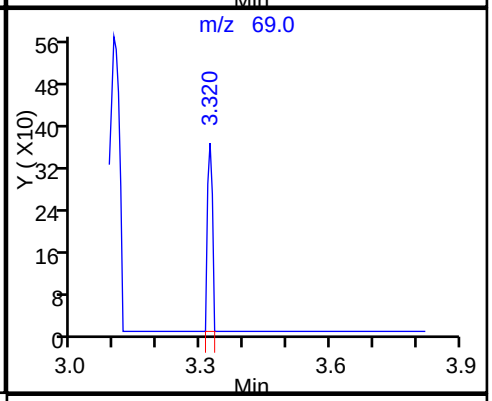


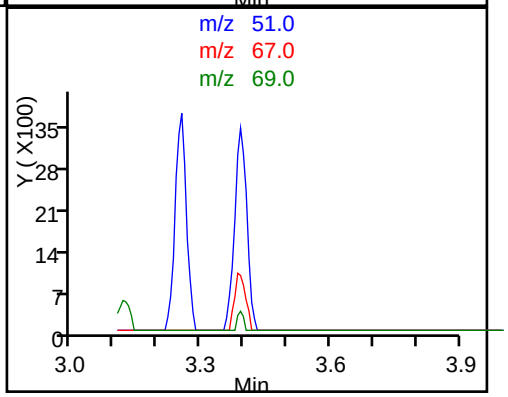












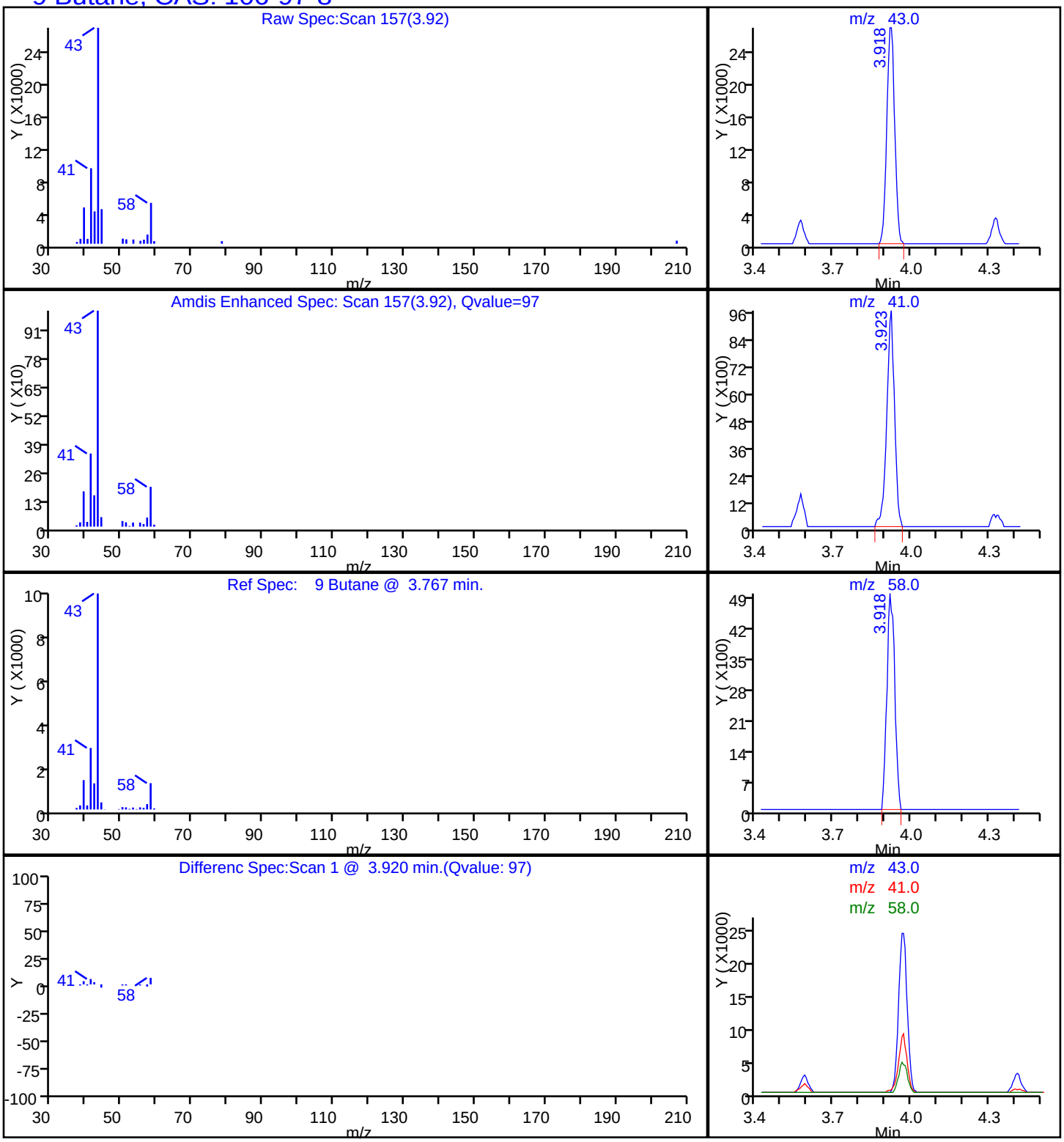
Report Date: 19-Feb-2014 11:07:03 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10		
Client ID:	SSDS-EFFLUENT				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



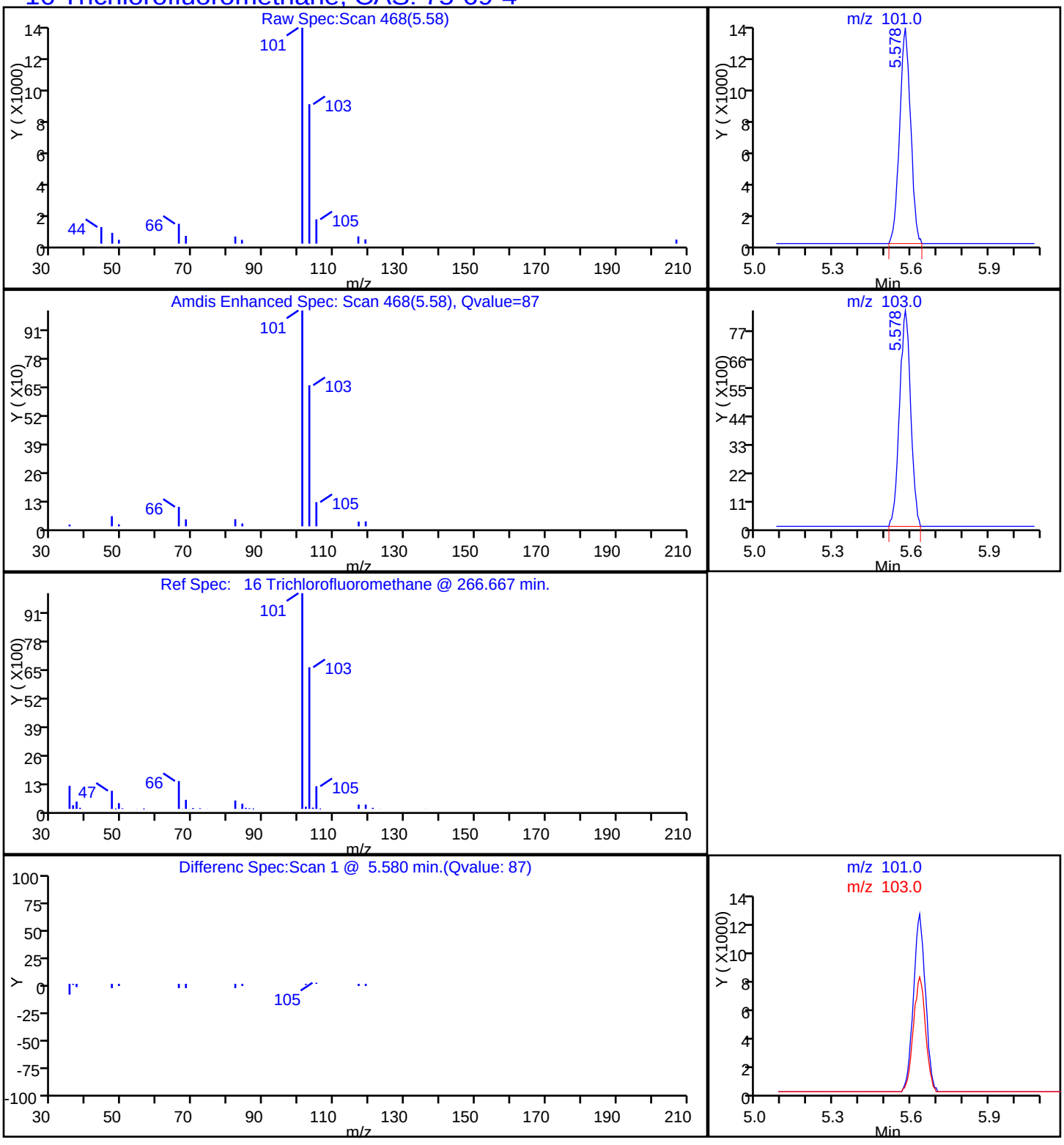
Report Date: 19-Feb-2014 11:07:03 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10		
Client ID:	SSDS-EFFLUENT				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

16 Trichlorofluoromethane, CAS: 75-69-4



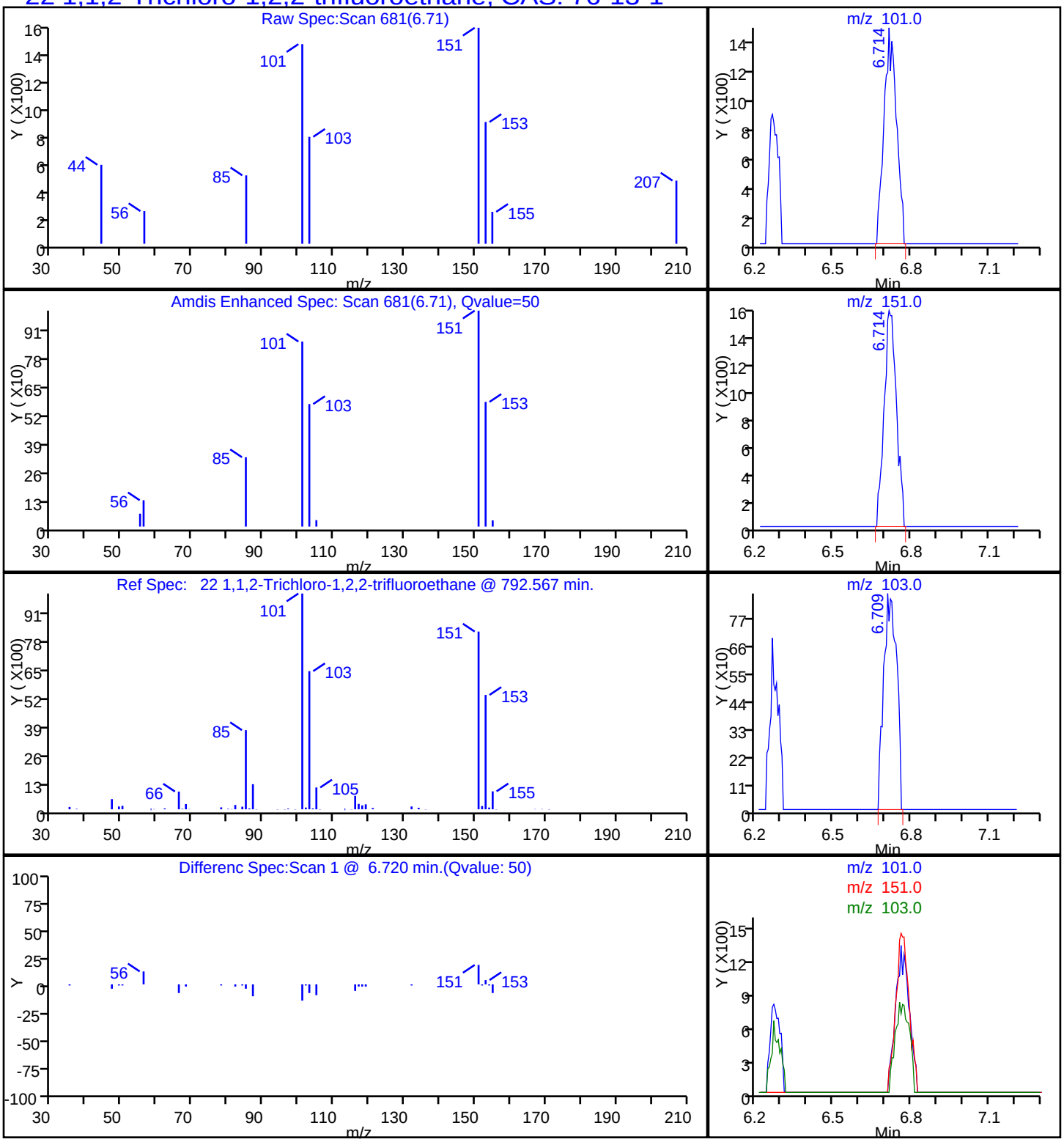
Report Date: 19-Feb-2014 11:07:03 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10		
Client ID:	SSDS-EFFLUENT				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



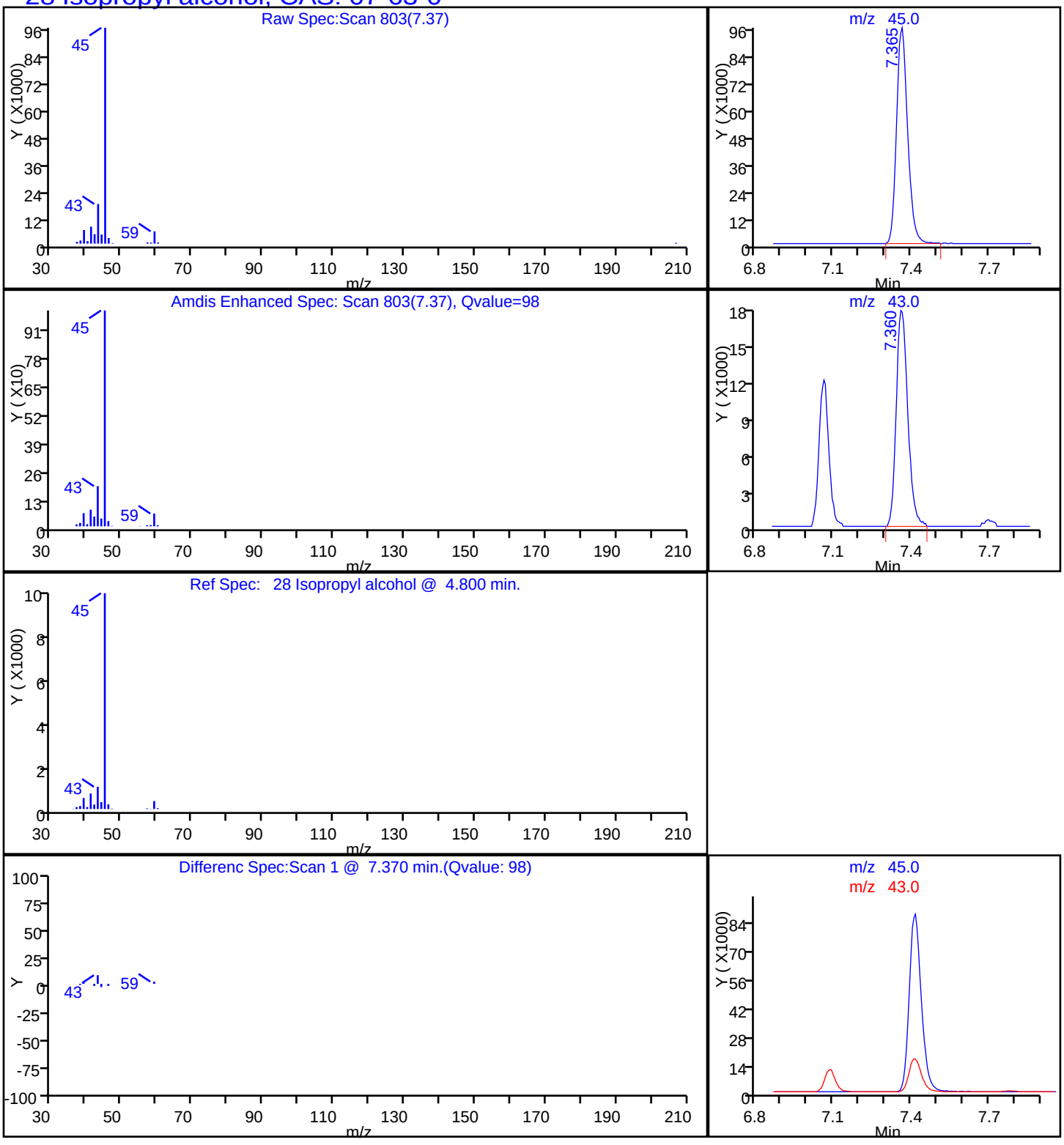
Report Date: 19-Feb-2014 11:07:04 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10		
Client ID:	SSDS-EFFLUENT				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 Isopropyl alcohol, CAS: 67-63-0



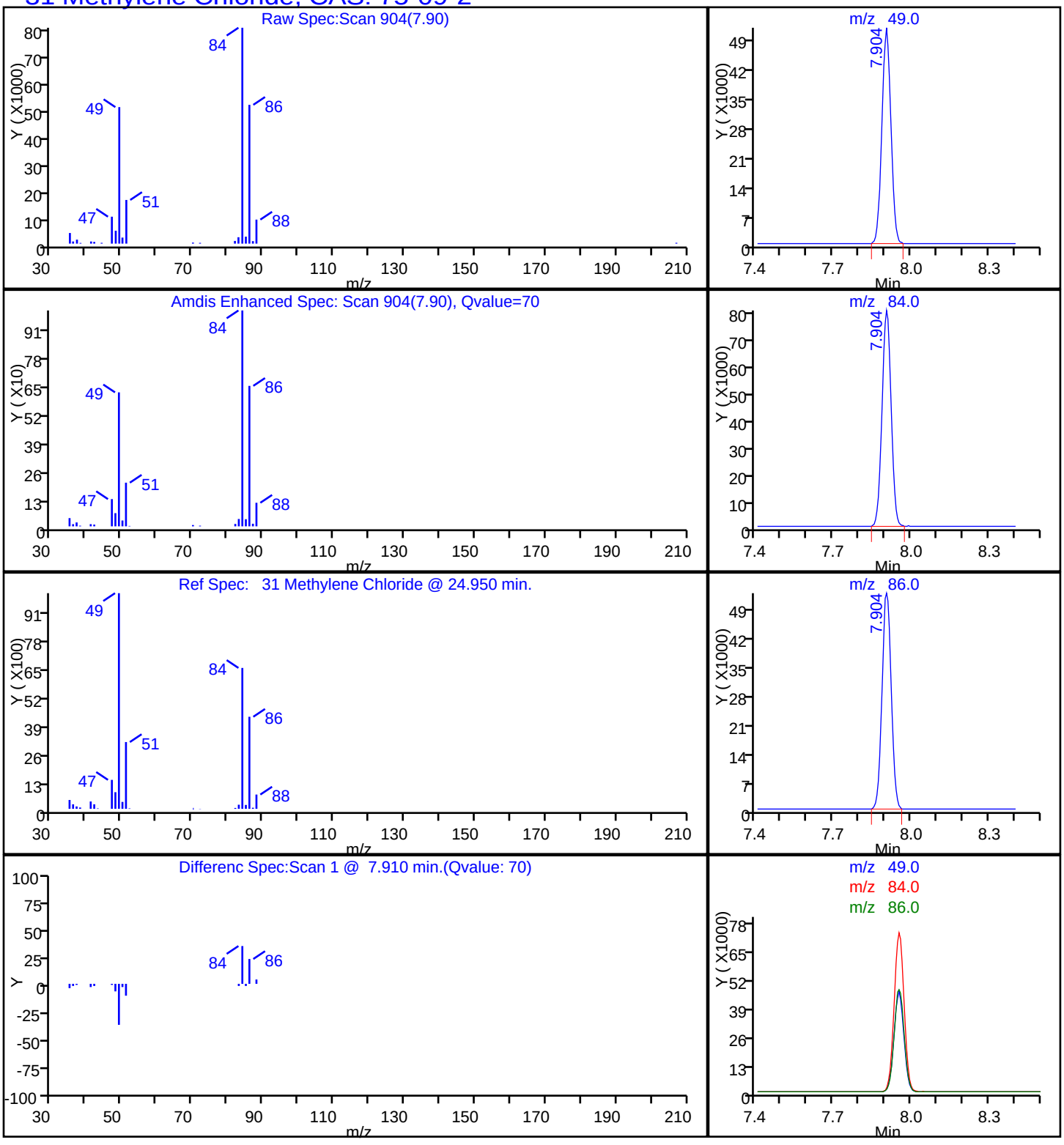
Report Date: 19-Feb-2014 11:07:04 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10		
Client ID:	SSDS-EFFLUENT				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



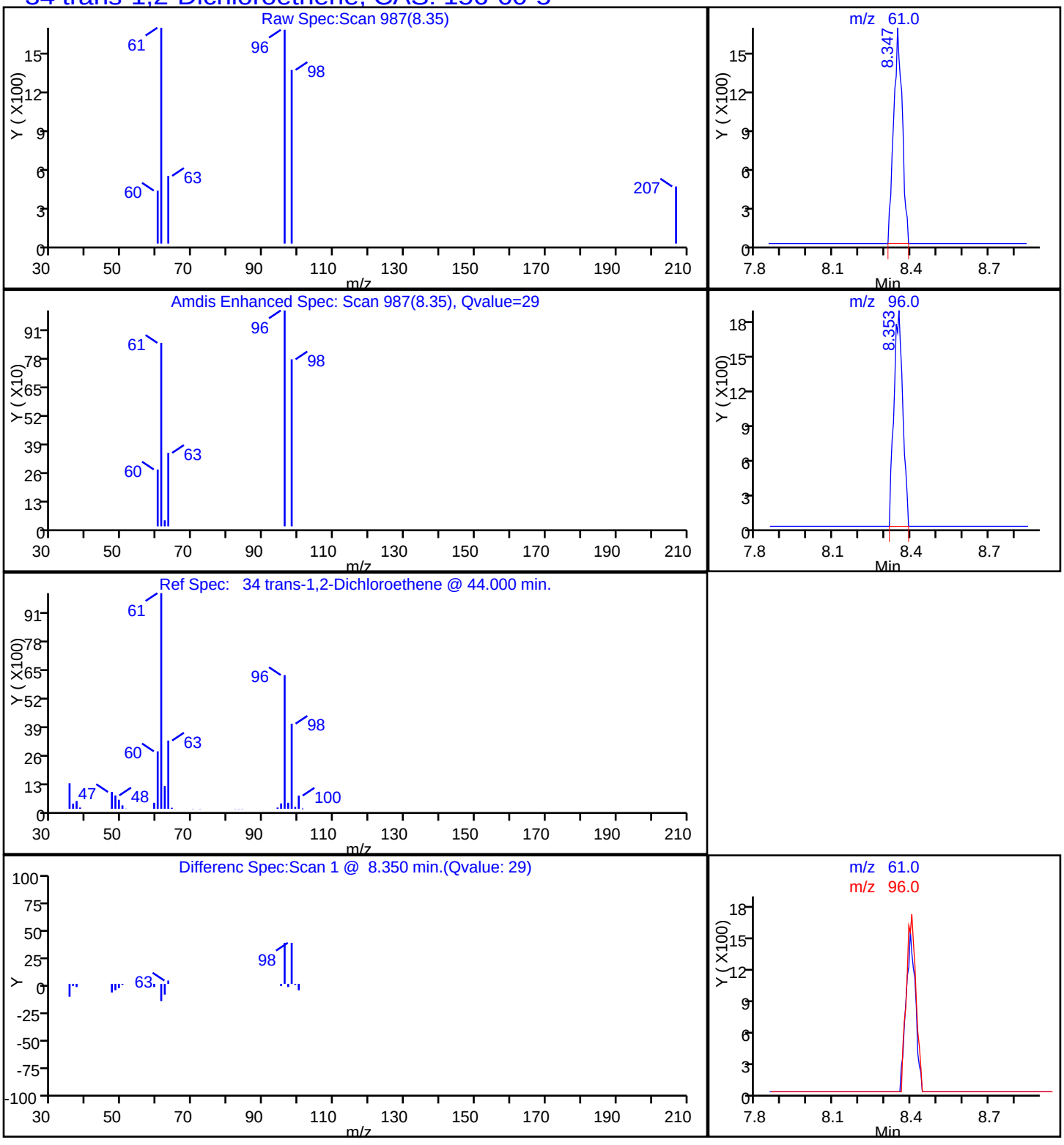
Report Date: 19-Feb-2014 11:07:04 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10		
Client ID:	SSDS-EFFLUENT				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5



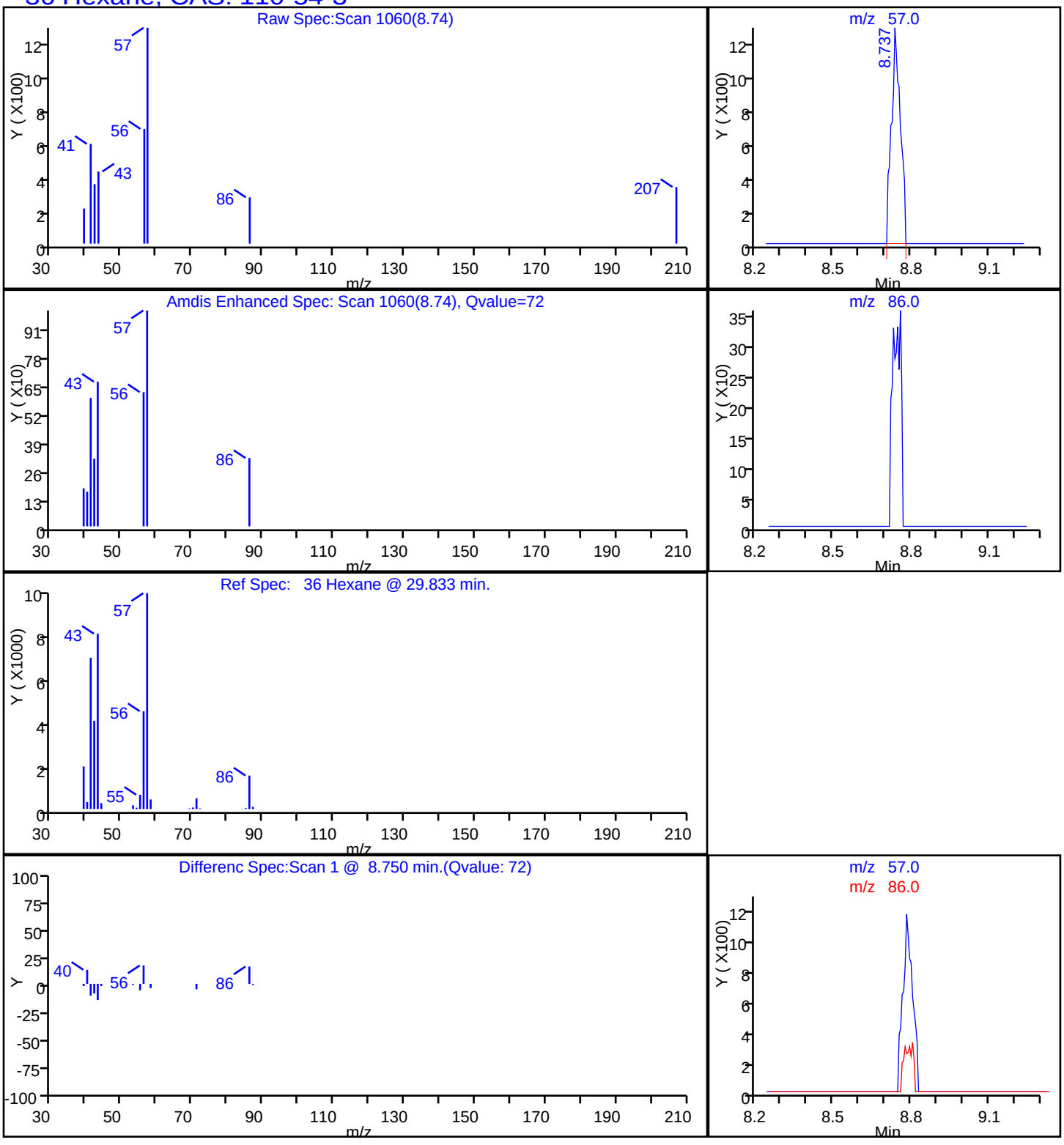
Report Date: 19-Feb-2014 11:07:04 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10		
Client ID:	SSDS-EFFLUENT				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



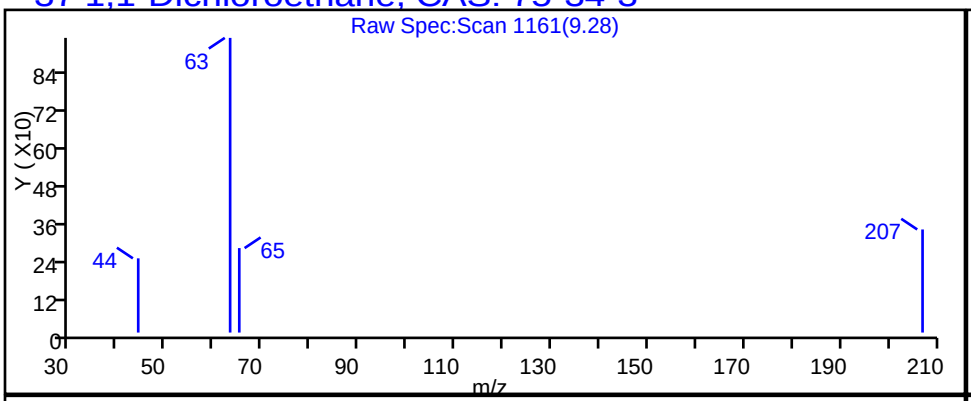
Report Date: 19-Feb-2014 11:07:04 Chrom Revision: 2.2 06-Feb-2014 15:19:06

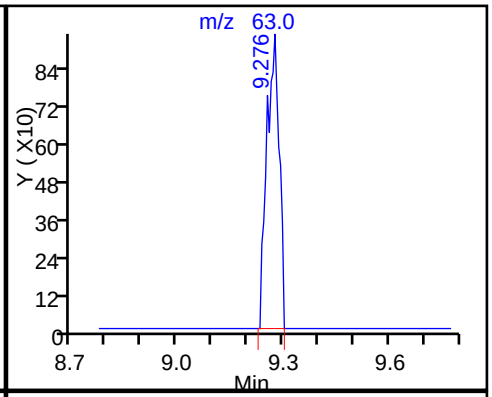
TestAmerica Burlington

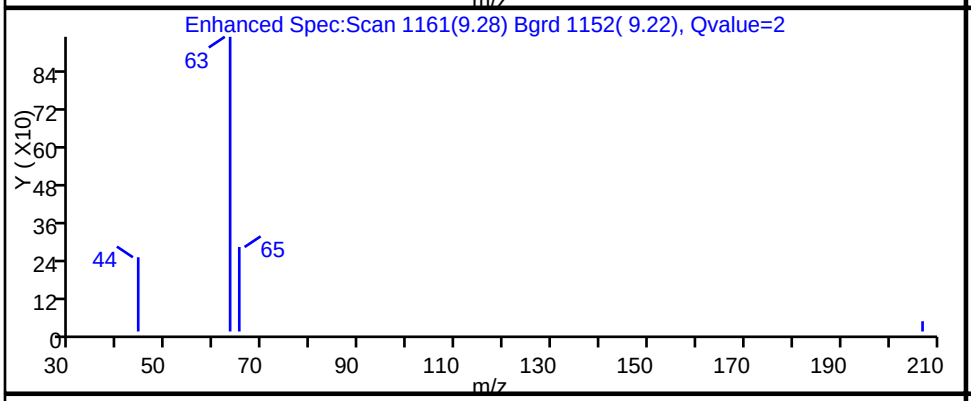
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

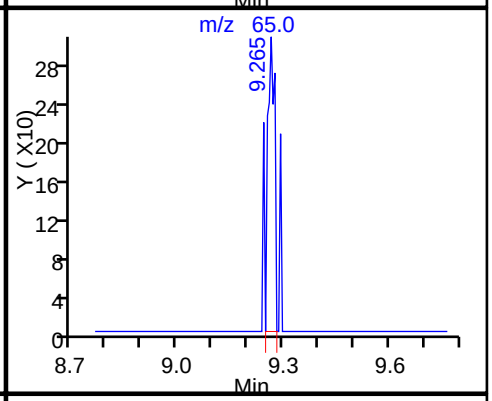
Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10		
Client ID:	SSDS-EFFLUENT				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

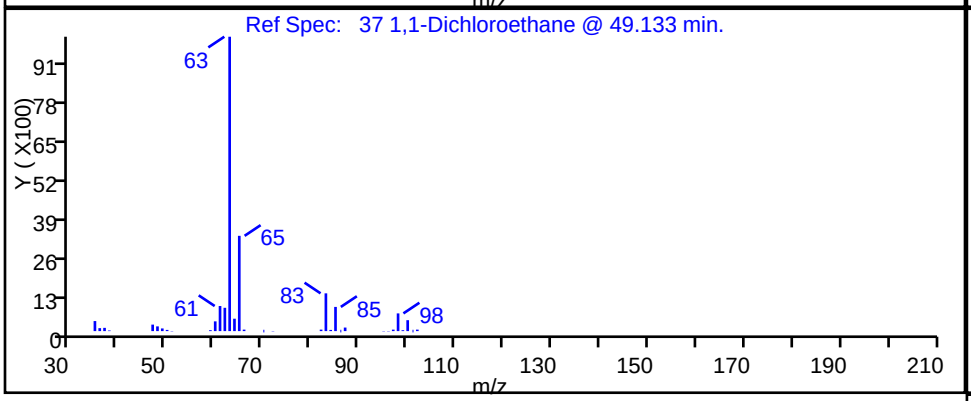
37 1,1-Dichloroethane, CAS: 75-34-3

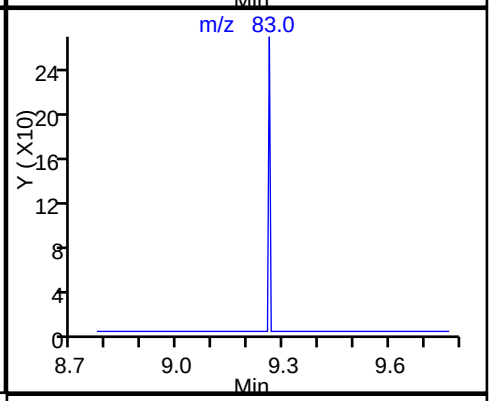


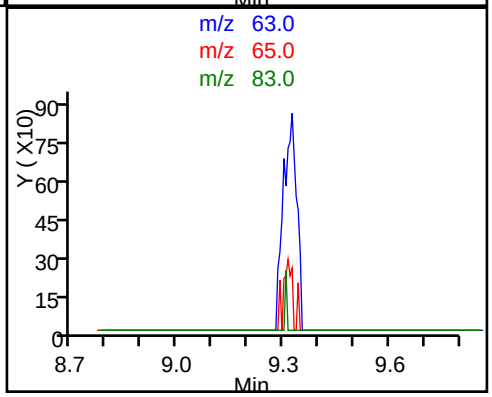












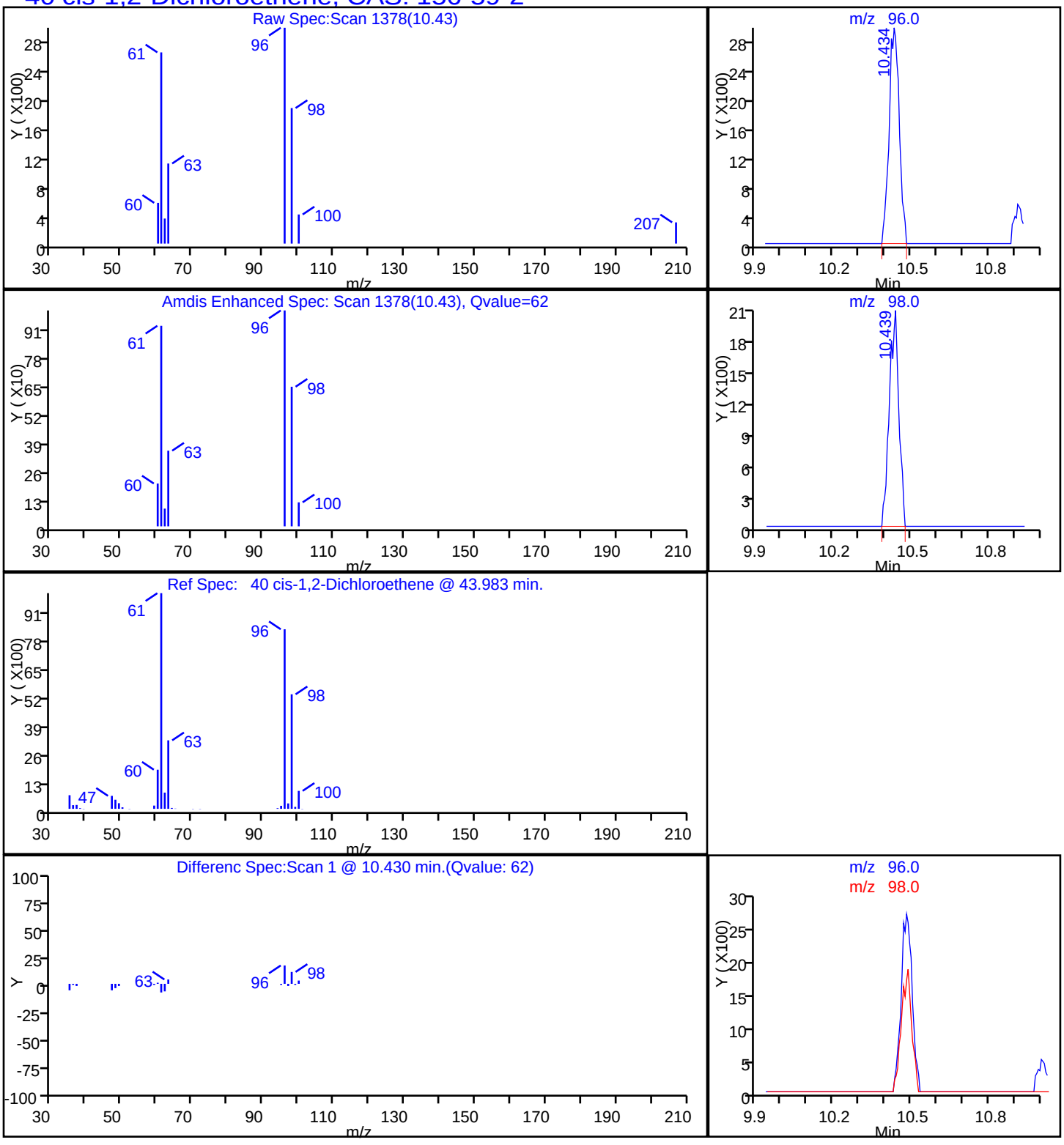
Report Date: 19-Feb-2014 11:07:04 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10		
Client ID:	SSDS-EFFLUENT				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 cis-1,2-Dichloroethene, CAS: 156-59-2



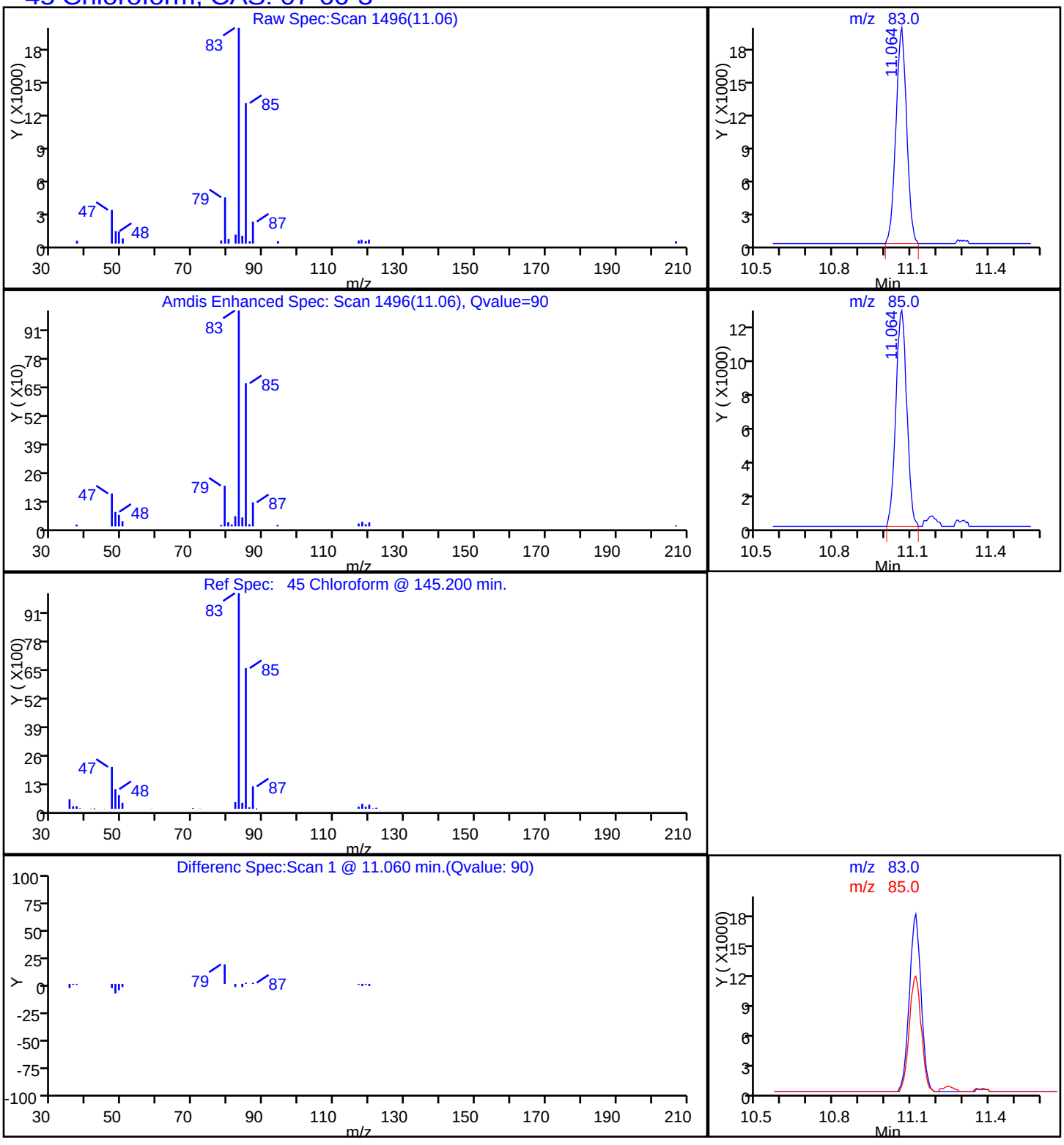
Report Date: 19-Feb-2014 11:07:04 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10		
Client ID:	SSDS-EFFLUENT				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



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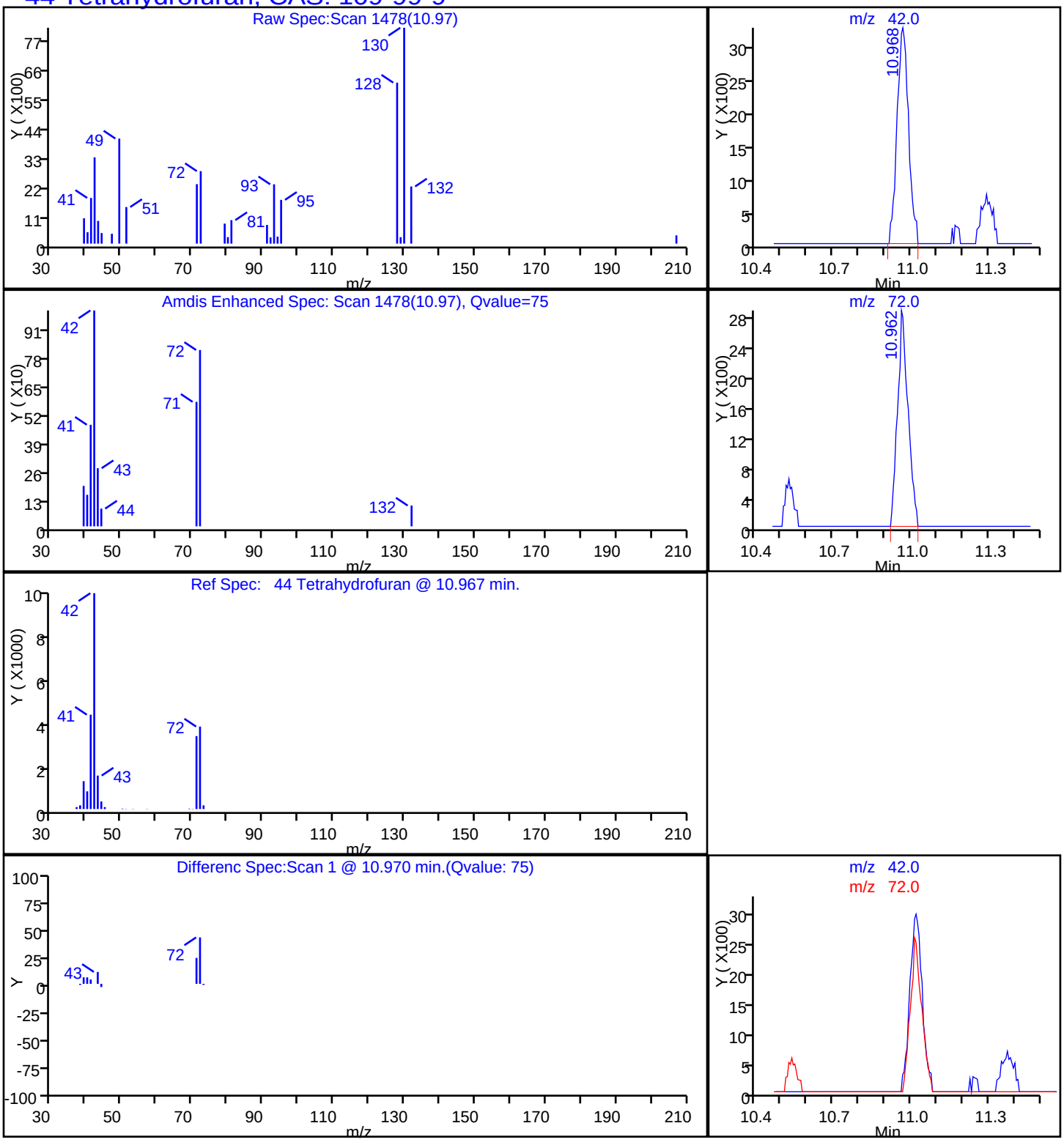
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10		
Client ID:	SSDS-EFFLUENT				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Tetrahydrofuran, CAS: 109-99-9



Report Date: 19-Feb-2014 11:07:04 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

Injection Date: 18-Feb-2014 20:12:30 Instrument ID: CHC.i

Lims ID: 200-20861-A-10 Lab Sample ID: 200-20861-10

Client ID: SSDS-EFFLUENT

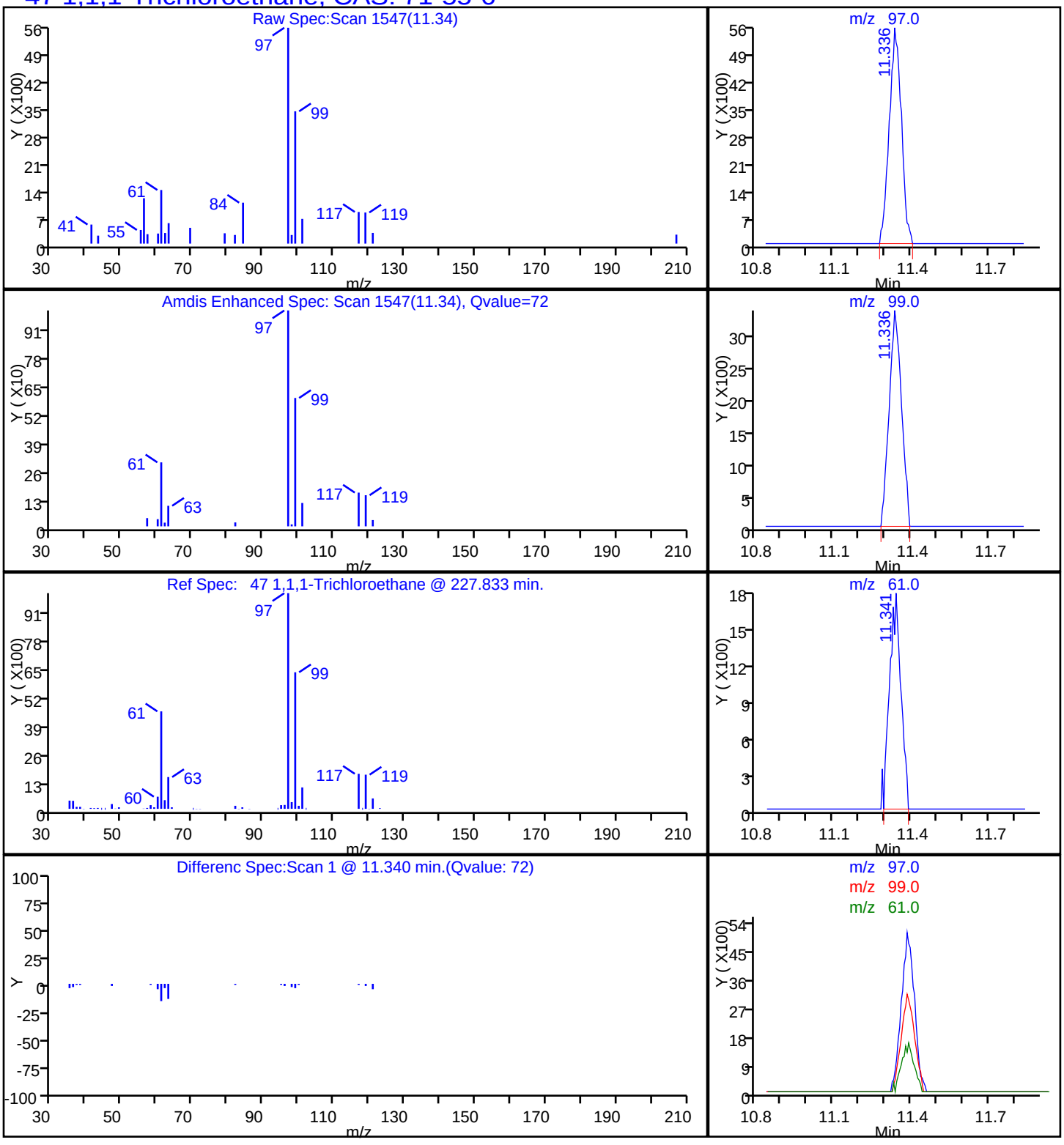
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10

Purge Vol: 200.000 mL Dil. Factor: 2.5000

Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

47 1,1,1-Trichloroethane, CAS: 71-55-6



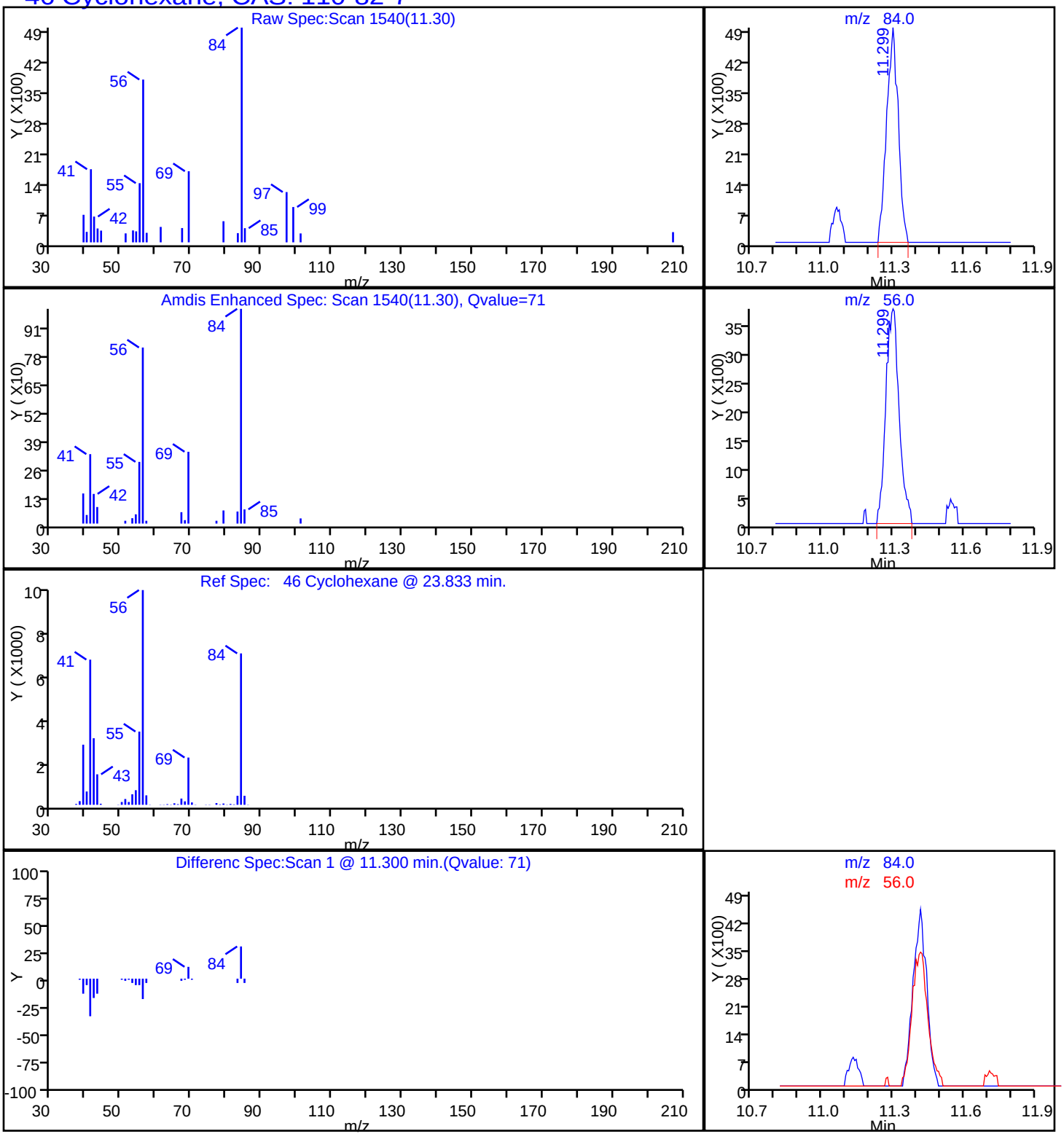
Report Date: 19-Feb-2014 11:07:04 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10		
Client ID:	SSDS-EFFLUENT				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

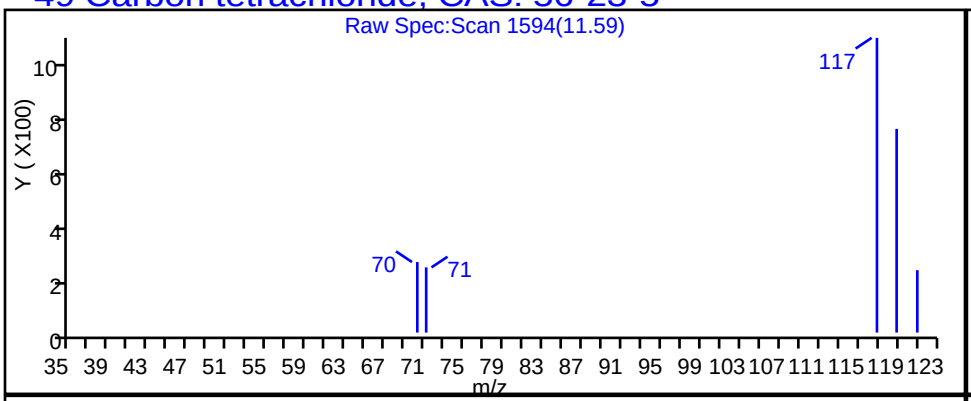


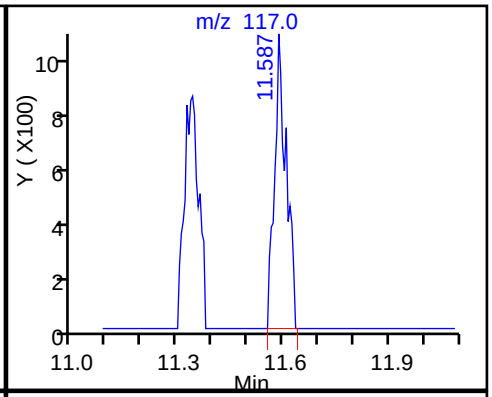
Report Date: 19-Feb-2014 11:07:04 Chrom Revision: 2.2 06-Feb-2014 15:19:06

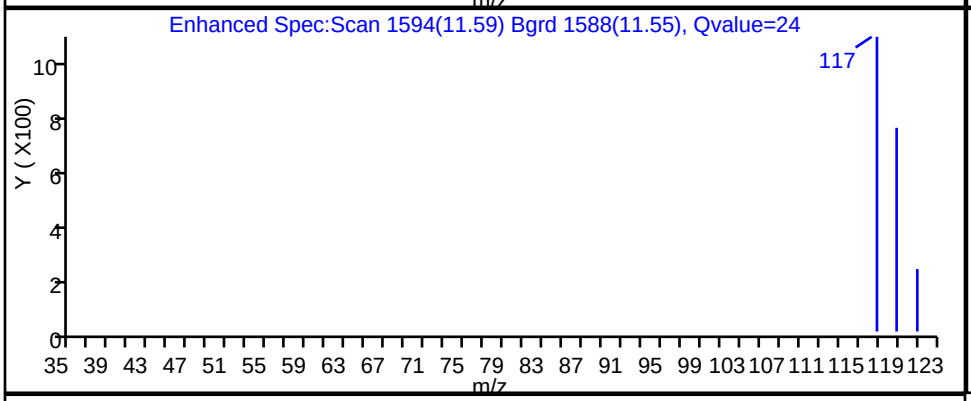
TestAmerica Burlington

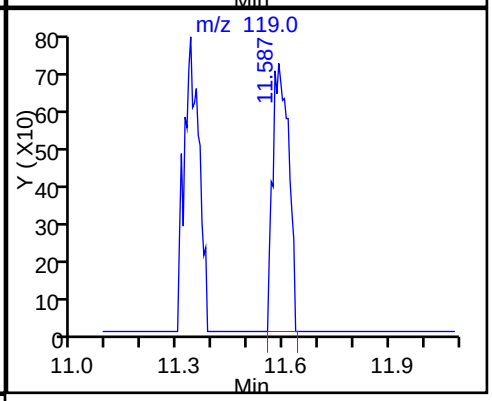
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D				
Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10		
Client ID:	SSDS-EFFLUENT				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

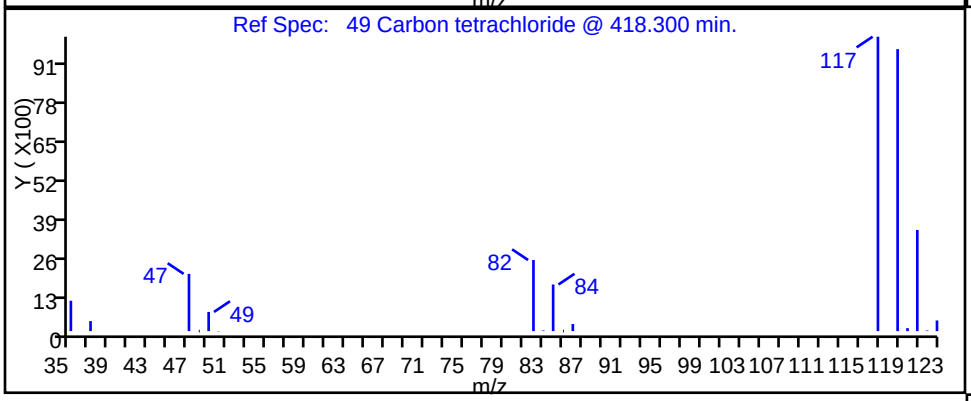
49 Carbon tetrachloride, CAS: 56-23-5

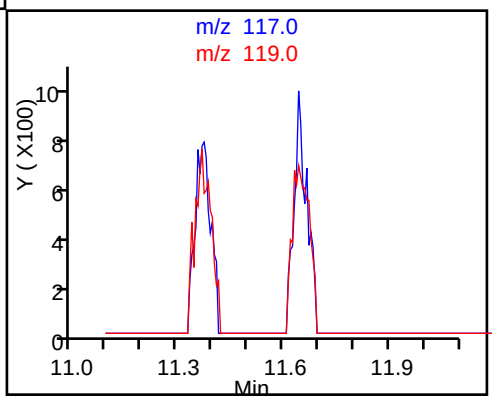












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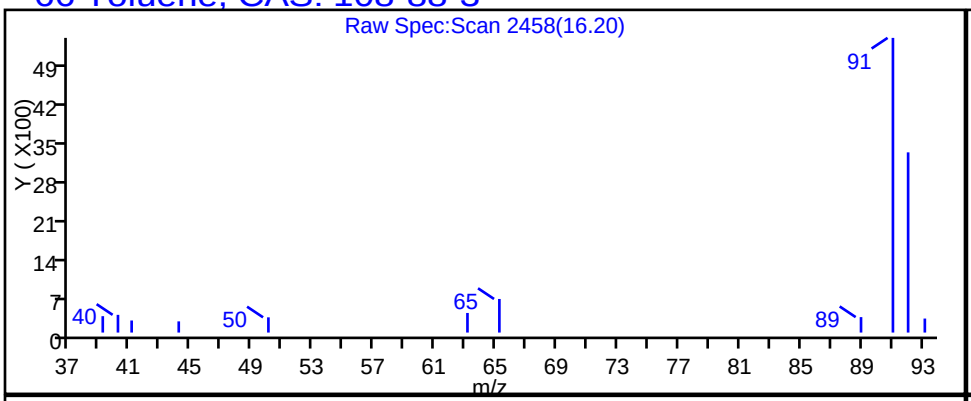
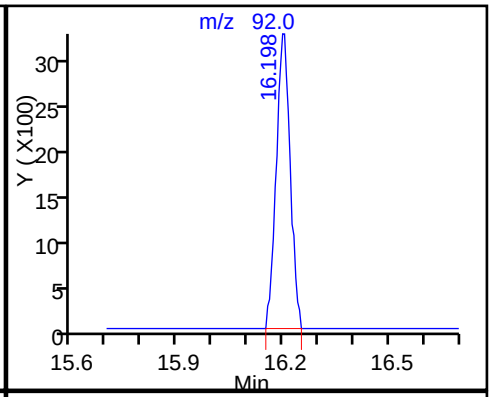
TestAmerica Burlington

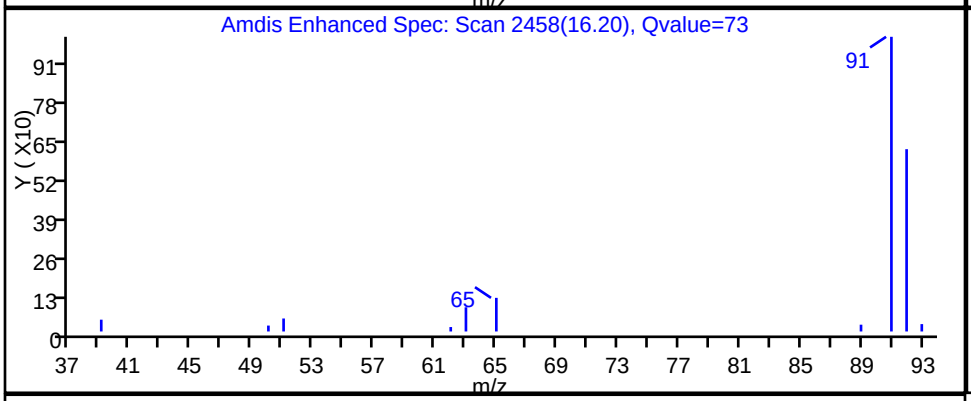
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

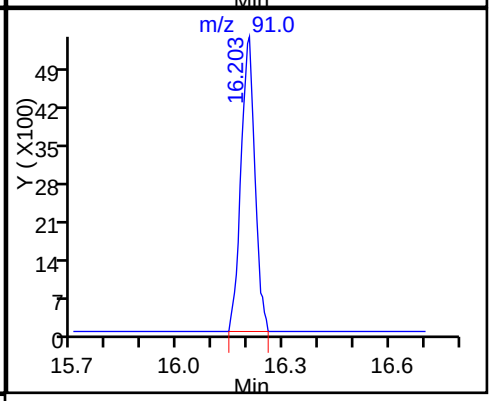
Injection Date:	18-Feb-2014 20:12:30	Instrument ID:	CHC.i		
Lims ID:	200-20861-A-10	Lab Sample ID:	200-20861-10		
Client ID:	SSDS-EFFLUENT				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

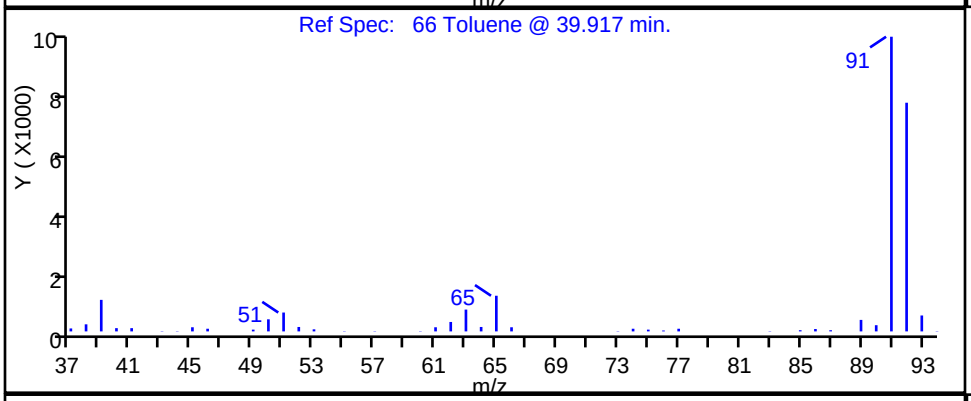
66 Toluene, CAS: 108-88-3

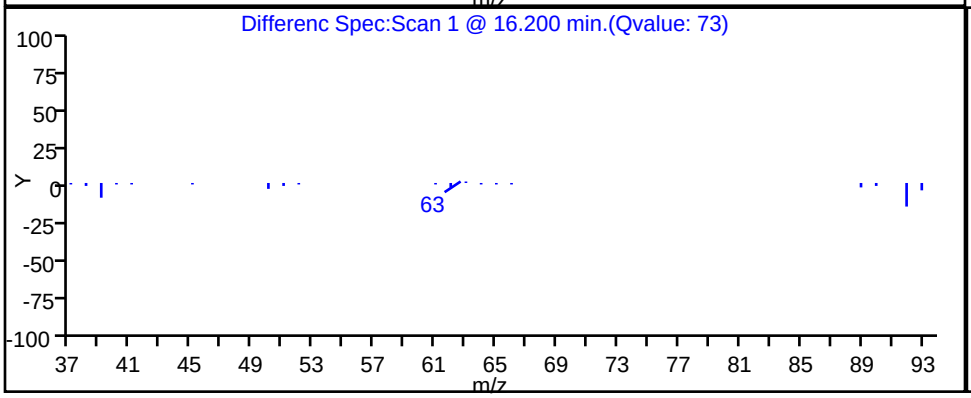


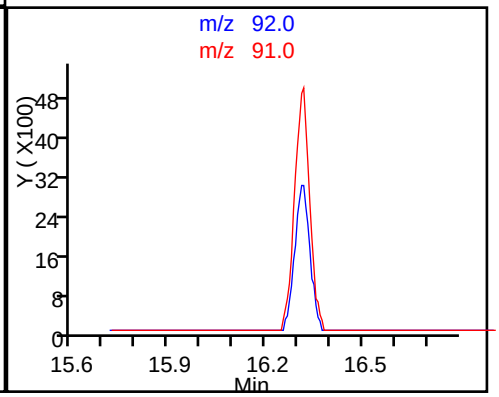












Report Date: 19-Feb-2014 11:07:04 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_10.D

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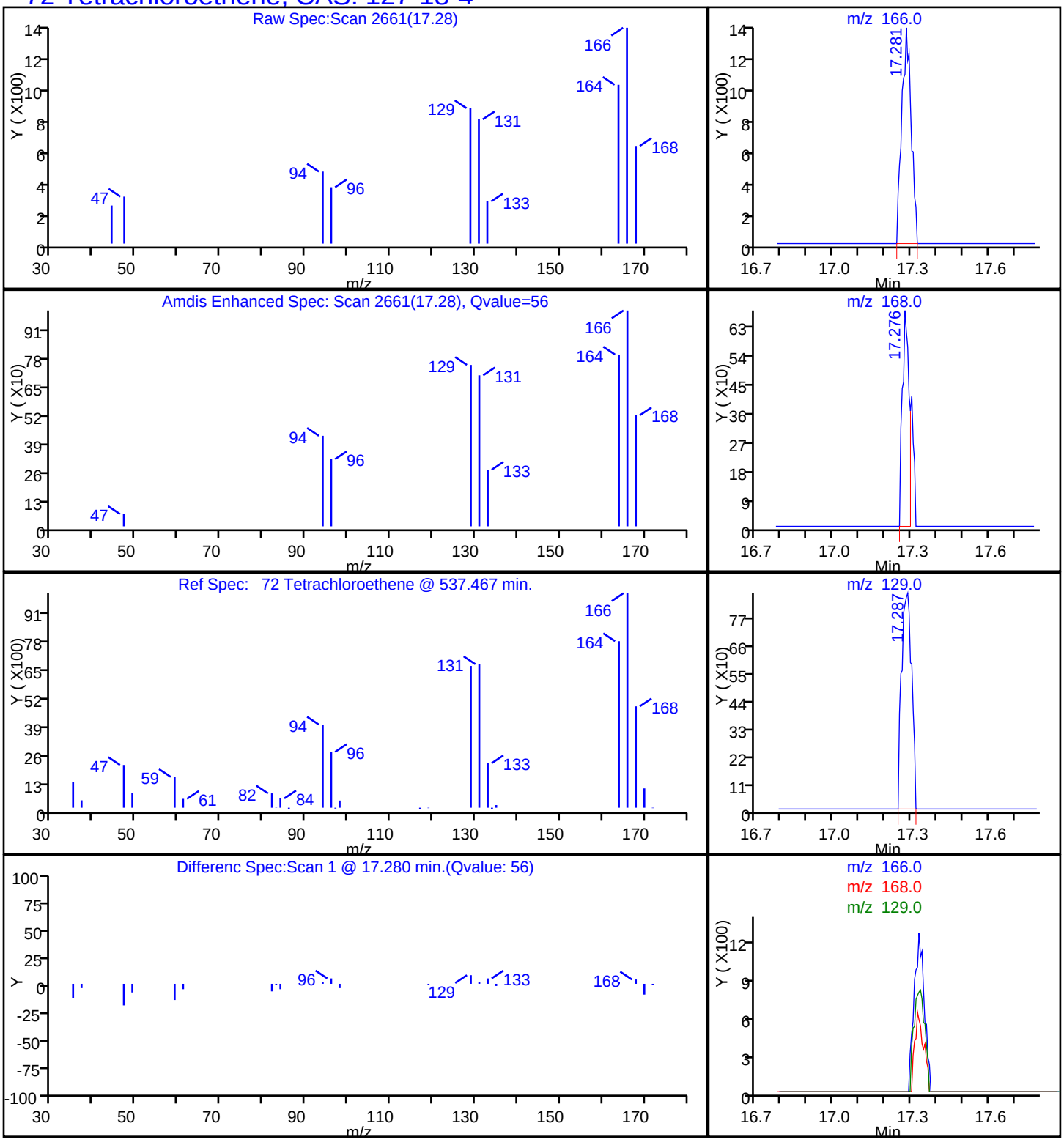
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



Report Date: 19-Feb-2014 11:07:04 Chrom Revision: 2.2 06-Feb-2014 15:19:06

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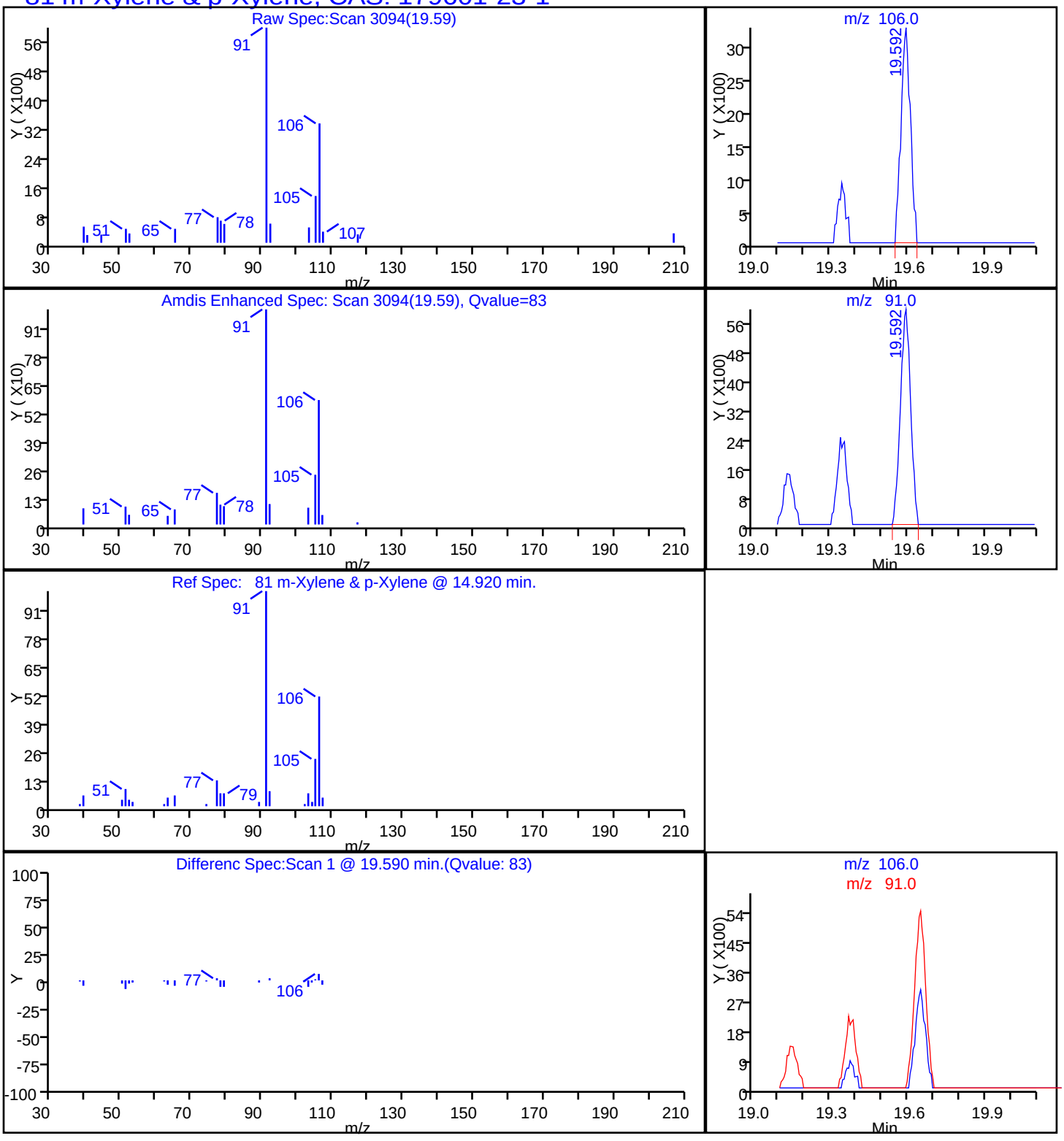
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



Report Date: 19-Feb-2014 11:07:04 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

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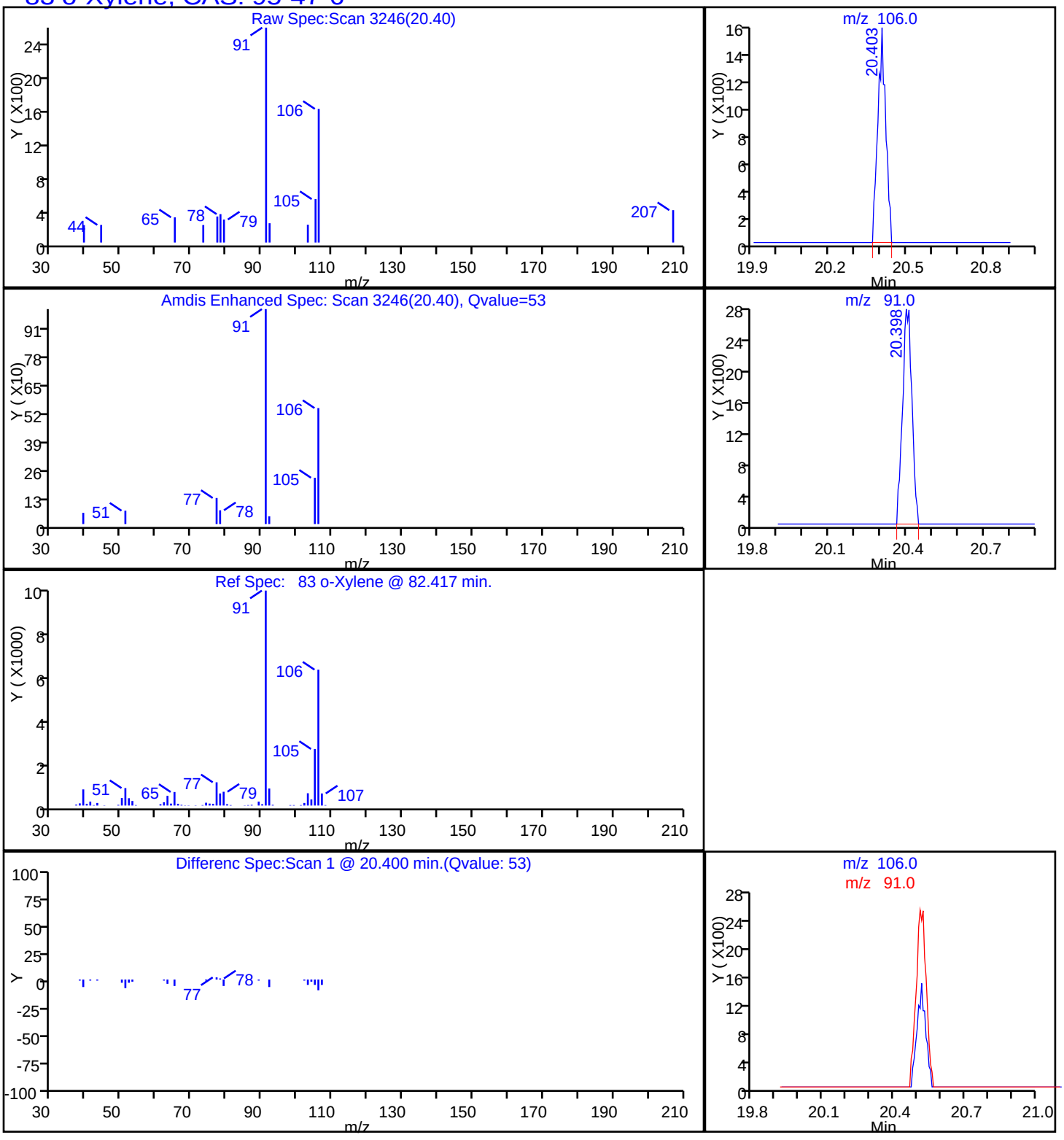
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20861-1 Analy Batch No.: 66774

SDG No.: 200-20861

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-66774/3	cma003.D
Level 2	IC 200-66774/4	cma004.D
Level 3	IC 200-66774/5	cma005.D
Level 4	IC 200-66774/6	cma006.D
Level 5	ICIS 200-66774/7	cma007.D
Level 6	IC 200-66774/8	cma008.D
Level 7	IC 200-66774/9	cma009.D
Level 8	IC 200-66774/10	cma010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.1534	+++++ 0.1423	0.2322 0.1326	0.1758	0.1615	Ave		0.1663				21.0		30.0			
Freon 12	+++++ 1.6269	+++++ 1.5883	1.8917 1.4716	1.8041	1.7138	Ave		1.6827				9.0		30.0			
Freon 22	+++++ 0.4852	+++++ 0.4726	0.6178 0.4389	0.5695	0.5217	Ave		0.5176				13.0		30.0			
Freon-114	+++++ 1.6919	1.8113 1.6464	2.0117 1.5061	1.9011	1.8031	Ave		1.7674				9.5		30.0			
Chloromethane	+++++ 0.2441	+++++ 0.2364	0.3414 0.2218	0.2887	0.2658	Ave		0.2664				16.0		30.0			
n-Butane	+++++ 0.3644	+++++ 0.3322	0.5080 0.3077	0.4051	0.3665	Ave		0.3806				19.0		30.0			
Vinyl chloride	0.3430 0.4107	0.4492 0.4037	0.4920 0.3760	0.4698	0.4351	Ave		0.4224				12.0		30.0			
1,3-Butadiene	+++++ 0.2528	0.2900 0.2473	0.2979 0.2325	0.2916	0.2723	Ave		0.2692				9.4		30.0			
Bromomethane	+++++ 0.6269	0.6986 0.6201	0.7301 0.5887	0.6857	0.6637	Ave		0.6591				7.5		30.0			
Chloroethane	+++++ 0.1956	+++++ 0.1908	0.2430 0.1827	0.2226	0.2091	Ave		0.2073				11.0		30.0			
Isopentane	+++++ 0.2316	0.3465 0.2216	0.3182 0.2072	0.2697	0.2439	Ave		0.2627				20.0		30.0			
Vinyl bromide	+++++ 0.7976	0.8240 0.7865	0.8798 0.7459	0.8459	0.8230	Ave		0.8147				5.3		30.0			
Freon 11	+++++ 1.9237	2.0430 1.9035	2.1529 1.7994	2.0712	2.0012	Ave		1.9850				6.0		30.0			
n-Pentane	+++++ 0.4279	+++++ 0.3933	0.5556 0.3656	0.4886	0.4366	Ave		0.4446				15.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20861-1 Analy Batch No.: 66774

SDG No.: 200-20861

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.0901	+++++ 0.0844	0.1030 0.0769	0.0937	0.0949	Ave		0.0905				10.0		30.0			
Ethyl ether	+++++ 0.2897	0.3082 0.2826	0.3397 0.2646	0.3341	0.3079	Ave		0.3038				8.9		30.0			
Acrolein	+++++ 0.1314	+++++ 0.1200	+++++ 0.1104	0.1555	0.1422	Ave		0.1319				13.0		30.0			
Freon 113	+++++ 1.4252	1.4550 1.4025	1.6044 1.2952	1.5512	1.4836	Ave		1.4596				6.9		30.0			
1,1-Dichloroethene	+++++ 0.6788	0.6828 0.6691	0.7560 0.6170	0.7378	0.7119	Ave		0.6933				6.7		30.0			
Acetone	+++++ 0.3652	+++++ 0.3542	+++++ 0.3257	0.4547	0.4534	Ave		0.3906				15.0		30.0			
Carbon disulfide	+++++ 1.6576	+++++ 1.6237	2.0634 1.5193	1.8638	1.7412	Ave		1.7449				11.0		30.0			
Isopropyl alcohol	+++++ 0.2936	+++++ 0.2598	+++++ 0.2474	0.3405	0.2985	Ave		0.2879				13.0		30.0			
Allyl chloride	+++++ 0.2644	0.2948 0.2589	0.3316 0.2428	0.3113	0.2828	Ave		0.2838				11.0		30.0			
Acetonitrile	+++++ 0.2644	+++++ 0.2589	+++++ 0.2428	0.1761	0.1538	Ave		0.2192				23.0		30.0			
Methylene Chloride	+++++ 0.3003	+++++ 0.2906	0.4706 0.2728	0.3652	0.3191	Ave		0.3364				22.0		30.0			
tert-Butyl alcohol	+++++ 0.7325	+++++ 0.6727	+++++ 0.6352	0.8204	0.7444	Ave		0.7211				9.9		30.0			
Methyl tert-butyl ether	+++++ 1.6114	1.6174 1.5763	1.8114 1.4769	1.7744	1.6874	Ave		1.6507				7.0		30.0			
trans-1,2-Dichloroethene	+++++ 0.6196	0.6628 0.6034	0.7432 0.5527	0.7107	0.6613	Ave		0.6505				10.0		30.0			
Acrylonitrile	+++++ 0.2390	+++++ 0.2302	0.2711 0.2217	0.2744	0.2529	Ave		0.2482				8.7		30.0			
Hexane	+++++ 0.6177	0.6997 0.5810	0.7733 0.5420	0.6926	0.6361	Ave		0.6489				12.0		30.0			
1,1-Dichloroethane	0.8567 0.8839	0.9671 0.8724	1.0216 0.8205	1.0012	0.9357	Ave		0.9199				7.9		30.0			
Vinyl acetate	+++++ 0.6943	+++++ 0.6751	+++++ 0.6397	0.7997	0.6904	Ave		0.6999				8.5		30.0			
cis-1,2-Dichloroethene	+++++ 0.9367	0.9365 0.9313	1.0163 0.8882	0.9714	0.9607	Ave		0.9487				4.2		30.0			
Methyl Ethyl Ketone	+++++ 0.3419	+++++ 0.3353	0.4766 0.3134	0.3795	0.3662	Ave		0.3688				16.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20861-1 Analy Batch No.: 66774

SDG No.: 200-20861

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0791	+++++ 0.0782	+++++ 0.0735	0.0792	0.0802	Ave		0.0780				3.4		30.0			
Tetrahydrofuran	+++++ 0.0625	+++++ 0.0581	+++++ 0.0543	0.0787	0.0686	Ave		0.0644				15.0		30.0			
Chloroform	+++++ 1.7265	1.7655 1.7144	1.8915 1.6185	1.8381	1.7823	Ave		1.7624				5.0		30.0			
Cyclohexane	+++++ 0.2206	0.2314 0.2153	0.2433 0.2020	0.2386	0.2294	Ave		0.2258				6.3		30.0			
1,1,1-Trichloroethane	+++++ 0.3491	0.3520 0.3451	0.3809 0.3276	0.3746	0.3635	Ave		0.3561				5.1		30.0			
Carbon tetrachloride	0.3658 0.3951	0.3693 0.3955	0.4109 0.3822	0.4102	0.4064	Ave		0.3919				4.5		30.0			
2,2,4-Trimethylpentane	+++++ 0.5555	0.6323 0.5271	0.6878 0.4715	0.6611	0.6030	Ave		0.5912				13.0		30.0			
Benzene	+++++ 0.4995	0.5574 0.4871	0.5702 0.4515	0.5455	0.5244	Ave		0.5194				8.2		30.0			
1,2-Dichloroethane	+++++ 0.1761	0.1805 0.1724	0.2040 0.1633	0.1982	0.1868	Ave		0.1831				7.8		30.0			
Heptane	+++++ 0.1522	0.2032 0.1407	0.2046 0.1241	0.1905	0.1666	Ave		0.1688				19.0		30.0			
n-Butanol	+++++ 0.0755	+++++ 0.0665	+++++ 0.0612	0.0850	0.0739	Ave		0.0724				13.0		30.0			
Trichloroethene	0.2736 0.2665	0.2637 0.2678	0.2799 0.2563	0.2667	0.2688	Ave		0.2679				2.6		30.0			
1,2-Dichloropropane	+++++ 0.1869	0.1963 0.1817	0.2117 0.1683	0.2046	0.1969	Ave		0.1923				7.6		30.0			
Methyl methacrylate	+++++ 0.2038	+++++ 0.2009	0.1995 0.1891	0.2106	0.2090	Ave		0.2021				3.8		30.0			
1,4-Dioxane	+++++ 0.0933	+++++ 0.0848	+++++ 0.0765	0.0979	0.0943	Ave		0.0894				9.6		30.0			
Dibromomethane	+++++ 0.2791	0.2312 0.2918	0.2441 0.2976	0.2489	0.2677	Ave		0.2658				9.5		30.0			
Bromodichloromethane	+++++ 0.4098	0.3793 0.4065	0.4098 0.3869	0.4205	0.4181	Ave		0.4044				3.8		30.0			
cis-1,3-Dichloropropene	+++++ 0.3311	0.3048 0.3280	0.3353 0.3137	0.3386	0.3377	Ave		0.3270				4.0		30.0			
methyl isobutyl ketone	+++++ 0.2422	+++++ 0.2276	0.2916 0.2027	0.2930	0.2659	Ave		0.2538				14.0		30.0			
Toluene	+++++ 0.4927	0.5042 0.4915	0.5055 0.4640	0.4913	0.4989	Ave		0.4926				2.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20861-1 Analy Batch No.: 66774

SDG No.: 200-20861

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.2586	0.3446 0.2356	0.3609 0.1915	0.3339	0.2904	Ave		0.2879				22.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.3400	0.3597 0.3382	0.3532 0.3235	0.3548	0.3545	Ave		0.3463				3.7		30.0			
1,1,2-Trichloroethane	+++++ 0.2246	0.2168 0.2223	0.2352 0.2088	0.2311	0.2301	Ave		0.2241				4.1		30.0			
Tetrachloroethene	0.3897 0.4555	0.3798 0.4747	0.4103 0.4781	0.4124	0.4414	Ave		0.4302				8.8		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2468	+++++ 0.2292	0.3031 0.2012	0.3014	0.2708	Ave		0.2588				16.0		30.0			
Dibromochloromethane	+++++ 0.5052	0.3959 0.5164	0.4331 0.5141	0.4748	0.4972	Ave		0.4767				9.6		30.0			
1,2-Dibromoethane	+++++ 0.4516	0.3990 0.4567	0.4200 0.4400	0.4376	0.4509	Ave		0.4366				4.7		30.0			
Chlorobenzene	+++++ 0.7132	0.6545 0.7239	0.6827 0.7079	0.6828	0.7089	Ave		0.6963				3.4		30.0			
Ethylbenzene	+++++ 1.0668	1.0186 1.0647	1.0909 1.0032	1.0732	1.0809	Ave		1.0569				3.1		30.0			
n-Nonane	+++++ 0.3790	0.4551 0.3552	0.4830 0.2994	0.4483	0.4107	Ave		0.4044				16.0		30.0			
m,p-Xylene	+++++ 0.4555	0.4052 0.4547	0.4430 0.4192	0.4452	0.4592	Ave		0.4403				4.6		30.0			
Xylene, o-	+++++ 0.4409	0.3991 0.4455	0.4281 0.4277	0.4309	0.4428	Ave		0.4307				3.7		30.0			
Styrene	+++++ 0.7106	0.5452 0.7160	0.6009 0.6889	0.6757	0.7053	Ave		0.6632				9.8		30.0			
Bromoform	+++++ 0.5506	0.3827 0.5677	0.4173 0.5642	0.4984	0.5335	Ave		0.5021				15.0		30.0			
Cumene	+++++ 1.2577	1.1317 1.2571	1.2050 1.1873	1.2395	1.2648	Ave		1.2204				4.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5883	0.5757 0.5667	0.6158 0.4999	0.6251	0.6116	Ave		0.5833				7.3		30.0			
n-Propylbenzene	+++++ 1.4526	1.4124 1.4151	1.4790 1.2576	1.5018	1.4844	Ave		1.4290				5.8		30.0			
1,2,3-Trichloropropane	+++++ 0.4301	+++++ 0.4101	0.4882 0.3565	0.4745	0.4552	Ave		0.4358				11.0		30.0			
n-Decane	+++++ 0.4542	+++++ 0.4059	0.6224 0.3021	0.5793	0.4983	Ave		0.4770				24.0		30.0			
4-Ethyltoluene	+++++ 1.2953	1.1892 1.2529	1.2601 1.0470	1.3220	1.3254	Ave		1.2417				7.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20861-1 Analy Batch No.: 66774

SDG No.: 200-20861

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 0.9769	0.9664 0.9291	1.0126 0.7648	1.0437	1.0202	Ave		0.9591				9.8		30.0			
1,3,5-Trimethylbenzene	+++++ 1.0708	0.9593 1.0628	1.0233 0.9827	1.0693	1.0706	Ave		1.0341				4.5		30.0			
Alpha Methyl Styrene	+++++ 0.5964	0.4409 0.5996	0.4649 0.5800	0.5597	0.5703	Ave		0.5445				12.0		30.0			
tert-Butylbenzene	+++++ 1.0617	0.9085 1.0675	1.0000 1.0087	1.0382	1.0519	Ave		1.0195				5.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.0757	0.9471 1.0619	0.9981 0.9804	1.0776	1.0682	Ave		1.0298				5.2		30.0			
sec-Butylbenzene	+++++ 1.5466	1.4102 1.5268	1.4873 1.3862	1.5623	1.5484	Ave		1.4954				4.7		30.0			
4-Isopropyltoluene	+++++ 1.3870	1.1811 1.3883	1.2425 1.2652	1.3546	1.3614	Ave		1.3115				6.2		30.0			
1,3-Dichlorobenzene	+++++ 0.8174	0.6914 0.8180	0.6658 0.7835	0.7792	0.7958	Ave		0.7644				8.0		30.0			
1,4-Dichlorobenzene	+++++ 0.8186	0.6903 0.8196	0.6690 0.7953	0.7654	0.7945	Ave		0.7647				8.0		30.0			
Benzyl chloride	+++++ 0.9439	0.8388 0.9149	0.8501 0.8624	0.9640	0.9621	Ave		0.9052				6.0		30.0			
n-Butylbenzene	+++++ 1.0865	1.1000 1.0067	1.1109 0.7914	1.2053	1.1374	Ave		1.0626				13.0		30.0			
n-Undecane	+++++ 0.4618	+++++ 0.3898	+++++ 0.2558	0.6453	0.4763	Ave		0.4458				32.0	*	30.0			
1,2-Dichlorobenzene	+++++ 0.7609	0.6678 0.7630	0.6407 0.7513	0.7239	0.7388	Ave		0.7209				6.7		30.0			
n-Dodecane	+++++ 0.5264	+++++ 0.4572	+++++ 0.2040	0.6058	0.3060	Ave		0.4199				39.0	*	30.0			
1,2,4-Trichlorobenzene	+++++ 0.6507	+++++ 0.6077	0.2708 0.4851	0.5217	0.5159	Ave		0.5087				26.0		30.0			
Hexachloro-1,3-butadiene	+++++ 0.5595	0.4362 0.5567	0.4306 0.3699	0.5220	0.5079	Ave		0.4833				15.0		30.0			
Naphthalene	+++++ 1.3059	+++++ 1.0506	0.3315 0.9664	0.8109	0.8281	Ave		0.8822				37.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.5601	0.4638 0.5130	0.2207 0.3312	0.4522	0.4139	Ave		0.4221				27.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20861-1 Analy Batch No.: 66774

SDG No.: 200-20861

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-66774/3	cma003.D
Level 2	IC 200-66774/4	cma004.D
Level 3	IC 200-66774/5	cma005.D
Level 4	IC 200-66774/6	cma006.D
Level 5	ICIS 200-66774/7	cma007.D
Level 6	IC 200-66774/8	cma008.D
Level 7	IC 200-66774/9	cma009.D
Level 8	IC 200-66774/10	cma010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 124122	+++++ 157143	5571 298655	42935	84638	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 12	BCM	Ave	+++++ 1316189	+++++ 1754058	45377 3315356	440533	898118	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 392514	+++++ 521868	14821 988759	139066	273415	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon-114	BCM	Ave	+++++ 1368796	17710 1818253	48257 3393002	464216	944889	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 197446	+++++ 261114	8190 499671	70501	139299	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 294776	+++++ 366810	12186 693094	98918	192043	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	703 332260	4392 445864	11803 846985	114705	228021	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 204506	2835 273104	7147 523834	71198	142721	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 507195	6831 684801	17513 1326169	167437	347831	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 158262	+++++ 210748	5829 411528	54348	109569	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 187359	3388 244772	7633 466708	65852	127794	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl bromide	BCM	Ave	+++++ 645267	8057 868559	21104 1680461	206549	431306	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Freon 11	BCM	Ave	+++++ 1556335	19976 2102105	51644 4053828	505743	1048712	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 346175	+++++ 434342	13327 823720	119316	228804	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 97367	+++++ 186347	24739 432862	45774	74658	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20861-1 Analy Batch No.: 66774

SDG No.: 200-20861

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 234347	3013 312120	8149 596037	81581	161365	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 106342	+++++ 132544	+++++ 248766	37975	74508	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon 113	BCM	Ave	+++++ 1153017	14226 1548857	38486 2917761	378769	777486	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 549125	6676 738974	18135 1389925	180155	373073	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 295444	+++++ 391172	+++++ 733792	111024	237601	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1341038	+++++ 1793102	49498 3422690	455113	912494	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 237522	+++++ 286886	+++++ 557249	83134	156436	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Allyl chloride	BCM	Ave	+++++ 213885	2882 285868	7954 547043	76006	148213	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 213885	+++++ 285861	+++++ 547029	43003	80607	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 242935	+++++ 320938	11288 614488	89173	167207	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 592633	+++++ 742921	+++++ 1431100	200334	390095	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1303626	15814 1740821	43452 3327207	433281	884266	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 501227	6481 666324	17829 1245123	173528	346536	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 193356	+++++ 254226	6503 499532	67000	132521	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexane	BCM	Ave	+++++ 499690	6841 641670	18551 1221057	169121	333354	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1756 715112	9456 963481	24506 1848529	244466	490369	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 561708	+++++ 745535	+++++ 1441251	195275	361815	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 757771	9157 1028480	24378 2001034	237194	503475	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 276633	+++++ 370305	11432 706139	92669	191902	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 64014	+++++ 86361	+++++ 165484	19335	42054	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 289349	+++++ 371828	+++++ 708235	105798	201675	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20861-1 Analy Batch No.: 66774

SDG No.: 200-20861

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1396759	17262 1893294	45374 3646312	448827	934006	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1020592	12523 1378482	32227 2636392	320896	674009	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1615260	19053 2209737	50442 4276728	503779	1068292	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	4267 1828171	19989 2532074	54412 4988641	551593	1194161	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2570029	34225 3374963	91084 6155007	889099	1772110	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 2311015	30171 3118954	75512 5893988	733560	1541036	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 814888	9772 1104020	27010 2131827	266586	549003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Heptane	DFB	Ave	+++++ 704042	10999 900677	27101 1619771	256172	489714	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 349357	+++++ 425996	+++++ 798972	114306	217103	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	3192 1233269	14274 1714473	37062 3345512	358675	789784	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 864837	10622 1163175	28037 2197076	275105	578531	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 942825	+++++ 1286318	26422 2468173	283187	614278	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 431565	+++++ 543037	+++++ 999017	131628	277018	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 1291367	12513 1868268	32333 3885444	334700	786588	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1896111	20532 2602704	54274 5051043	565458	1228678	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1531995	16495 2100471	44401 4095202	455388	992342	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1120828	+++++ 1456998	38613 2646426	394075	781397	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 2196929	25455 3047441	62424 5885894	628054	1407345	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1196735	18652 1508661	47800 2499868	449048	853405	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1573168	19466 2165511	46779 4222649	477111	1041881	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1001770	10948 1377991	29041 2648591	295352	649014	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20861-1 Analy Batch No.: 66774

SDG No.: 200-20861

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	4229 2031274	19177 2943208	50675 6064560	527159	1245014	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1100791	+++++ 1421043	37430 2552778	385316	763872	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 2252964	19986 3201569	53484 6521503	606906	1402463	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2013934	20146 2831746	51874 5581701	559382	1271910	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 3180517	33042 4487860	84317 8980350	872800	1999703	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 4757073	51427 6600852	134729 12725806	1371777	3048982	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 1689974	22977 2202089	59655 3797852	572999	1158583	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 4062425	40912 5638403	109426 10635110	1138257	2590473	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1965912	20148 2761754	52875 5425653	550762	1249103	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 3168626	27525 4439325	74216 8738808	863740	1989385	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 2455409	19324 3519944	51533 7156617	637087	1504831	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 5608554	57135 7793634	148819 15060699	1584424	3567777	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 2623603	29067 3513658	76052 6341028	799069	1725251	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 6477530	71307 8773755	182650 15953282	1919597	4187105	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1917898	+++++ 2542638	60287 4522411	606575	1283930	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 2025555	+++++ 2516659	76865 3831625	740523	1405567	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 5776169	60039 7768139	155619 13281490	1689816	3738585	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 4356577	48789 5760441	125060 9701240	1334057	2877864	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 4774950	48434 6588946	126376 12465448	1366762	3019837	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 2659502	22259 3717362	57416 7357313	715477	1608683	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 4734472	45870 6618459	123503 12795874	1327113	2967315	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20861-1 Analy Batch No.: 66774

SDG No.: 200-20861

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 4796792	47819 6583826	123258 12436082	1377412	3013132	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 6896883	71199 9466258	183683 17583772	1996965	4367727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 6185335	59633 8607057	153445 16048695	1731528	3840403	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 3645061	34909 5071291	82226 9939069	996013	2244736	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 3650630	34850 5081191	82626 10088897	978415	2241230	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 4209069	42350 5672247	104986 10939788	1232207	2713993	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 4845205	55538 6241306	137191 10038946	1540692	3208309	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 2059120	+++++ 2416563	+++++ 3244490	824877	1343489	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 3393031	33715 4730576	79120 9530424	925329	2084160	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 2347257	+++++ 2834400	+++++ 2587541	774295	863185	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 2901798	+++++ 3767518	33442 6153908	666882	1455384	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachloro-1,3-butadiene	CBZ	Ave	+++++ 2494911	22022 3451475	53181 4692774	667222	1432742	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 5823598	+++++ 6513834	40941 12259209	1036507	2335893	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 2497503	23415 3180482	27258 4201320	578055	1167583	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma003.D
Lims ID: ic Lab Sample ID: VIBLK 200-66774/3-A
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Jan-2014 09:43:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-003
Misc. Info.: ic
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:19:30 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: lyonsb Date: 14-Jan-2014 12:55:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		3.181					
2 Dichlorodifluoromethane	85		3.256					
6 Chlorodifluoromethane	51		3.320					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.549					
8 Chloromethane	50		3.704					
9 Butane	43		3.918					
10 Vinyl chloride	62	3.976	3.971	0.005	20	703	0.0325	M
11 Butadiene	54		4.056					
12 Bromomethane	94		4.798					
13 Chloroethane	64		5.060					
14 2-Methylbutane	43		5.134					
15 Vinyl bromide	106		5.476					
16 Trichlorofluoromethane	101		5.583					
17 Pentane	43		5.732					
19 Ethanol	45		6.239					
21 Ethyl ether	59		6.303					
22 Acrolein	56		6.719					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.725					
24 1,1-Dichloroethene	96		6.773					
25 Acetone	43		7.056					
26 Carbon disulfide	76		7.157					
27 Isopropyl alcohol	45		7.371					
29 3-Chloro-1-propene	41		7.605					
30 Acetonitrile	41		7.776					
31 Methylene Chloride	49		7.915					
32 2-Methyl-2-propanol	59		8.176					
33 Methyl tert-butyl ether	73		8.331					
34 trans-1,2-Dichloroethene	61		8.358					
35 Acrylonitrile	53		8.555					
36 Hexane	57		8.758					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	37 1,1-Dichloroethane	63	9.276	9.281	-0.005	2	1756	0.0373		M
	38 Vinyl acetate	43		9.377						
S	41 1,2-Dichloroethene, Total	61		10.200						
	39 cis-1,2-Dichloroethene	96		10.445						
	40 2-Butanone (MEK)	72		10.530						
	42 Ethyl acetate	88		10.562						
*	43 Chlorobromomethane	128	10.936	10.936	0.0	64	511329	10.0		
	44 Tetrahydrofuran	42		10.952						
	45 Chloroform	83		11.080						
	46 Cyclohexane	84		11.304						M
	47 1,1,1-Trichloroethane	97		11.352						
	48 Carbon tetrachloride	117	11.608	11.608	0.0	59	4267	0.0374		M
	51 Isooctane	57		12.067						
	50 Benzene	78		12.110						
	52 1,2-Dichloroethane	62		12.318						
	53 n-Heptane	43		12.478						
*	54 1,4-Difluorobenzene	114	13.006	13.006	0.0	91	2909925	10.0		
	55 n-Butanol	56		13.449						
	56 Trichloroethene	95	13.481	13.487	-0.006	46	3192	0.0409		M
A	57 GRO	1		5.124	21.886					
	58 1,2-Dichloropropane	63		14.090						
	59 Methyl methacrylate	69		14.271						
	60 1,4-Dioxane	88		14.335						
	61 Dibromomethane	174		14.351						
	62 Dichlorobromomethane	83		14.655						M
A	63 TVOC as Toluene	1		3.171	27.394					
	64 cis-1,3-Dichloropropene	75		15.616						
	65 4-Methyl-2-pentanone (MIBK)	43		15.926						
A	67 Toluene Range	1		16.174	16.254					
	66 Toluene	92		16.214						
A	69 C8 Range	1		16.201	16.301					
	68 n-Octane	43		16.251						
	70 trans-1,3-Dichloropropene	75		16.828						
	71 1,1,2-Trichloroethane	83		17.212						M
	72 Tetrachloroethene	166	17.292	17.297	-0.005	62	4229	0.0363		
	73 2-Hexanone	43		17.671						
	74 Chlorodibromomethane	129		17.975						
	75 Ethylene Dibromide	107		18.252						
*	76 Chlorobenzene-d5	117	19.149	19.149	0.0	81	2707206	10.0		
	77 Chlorobenzene	112		19.208						
	78 Ethylbenzene	91		19.357						
	79 n-Nonane	57		19.459						
	81 m-Xylene & p-Xylene	106		19.608						M
S	82 Xylenes, Total	106		20.100						
	83 o-Xylene	106		20.414						
	84 Styrene	104		20.467						
	85 Bromoform	173		20.862						
	86 Isopropylbenzene	105		21.049						
$	87 4-Bromofluorobenzene	95	21.401	21.401	0.0	97	1885193	NC		
	88 1,1,2,2-Tetrachloroethane	83		21.668						
	90 N-Propylbenzene	91		21.727						
	89 1,2,3-Trichloropropane	75		21.764						

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane			57	21.876			
91 4-Ethyltoluene			105	21.908			
92 2-Chlorotoluene			91	21.924			
94 1,3,5-Trimethylbenzene			105	22.010			
95 Alpha Methyl Styrene			118	22.362			
96 tert-Butylbenzene			119	22.479			
97 1,2,4-Trimethylbenzene			105	22.570			
98 sec-Butylbenzene			105	22.794			
99 4-Isopropyltoluene			119	22.992			
100 1,3-Dichlorobenzene			146	23.029			
101 1,4-Dichlorobenzene			146	23.168			
102 Benzyl chloride			91	23.376			
103 n-Butylbenzene			91	23.579			
104 Undecane			57	23.584			
105 1,2-Dichlorobenzene			146	23.723			
106 Dodecane			57	25.244			
107 1,2,4-Trichlorobenzene			180	26.354			
108 Hexachlorobutadiene			225	26.541			
109 Naphthalene			128	26.882			
110 1,2,3-Trichlorobenzene			180	27.384			

QC Flag Legend

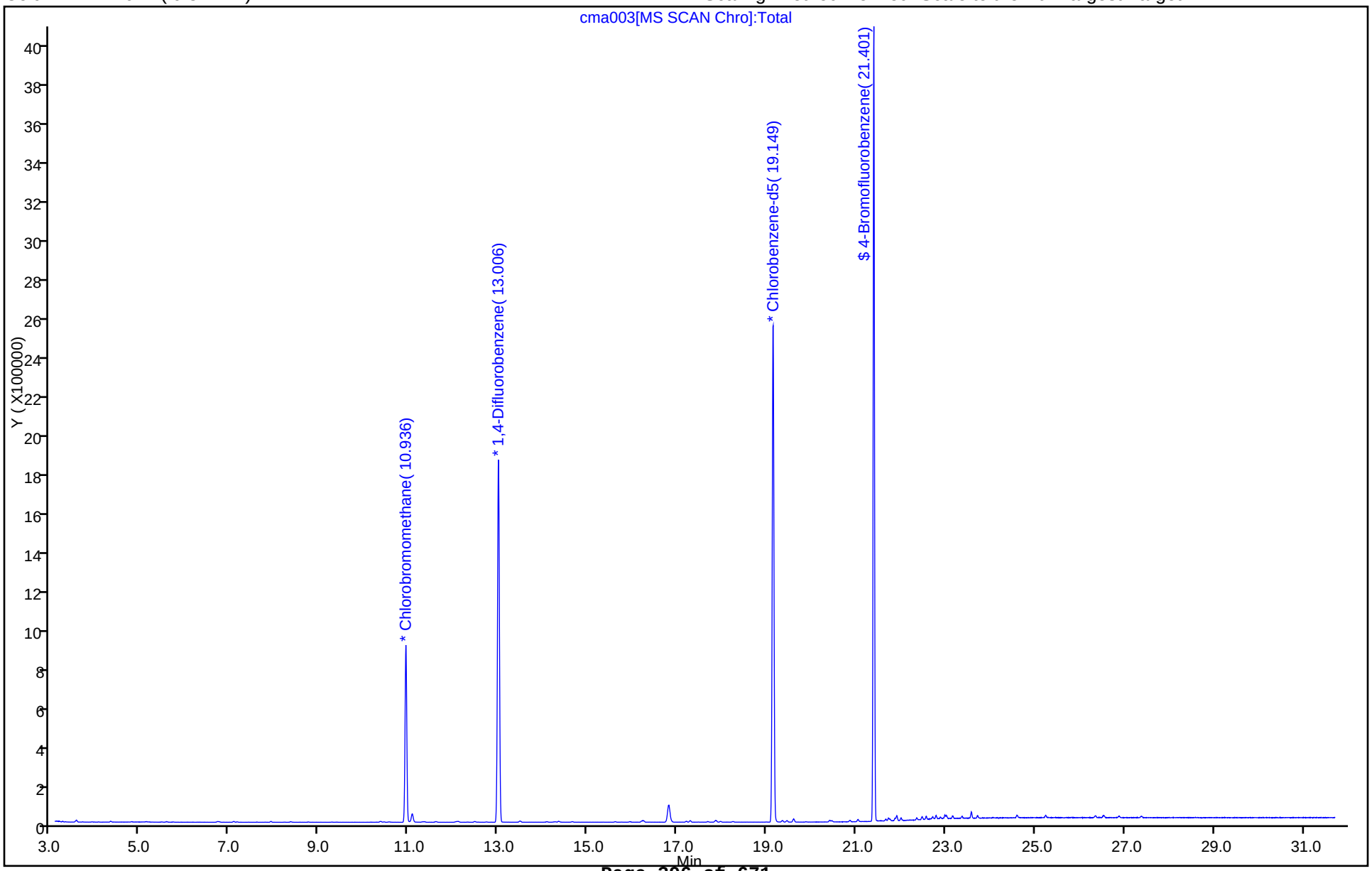
Review Flags
M - Manually Integrated

Report Date: 21-Jan-2014 12:19:31 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma003.D				
Injection Date:	03-Jan-2014 09:43:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic	Lab Sample ID:	VIBLK 200-66774/3-A	Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma003.D				
Injection Date:	03-Jan-2014 09:43:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:	VIBLK 200-66774/3-A		
Client ID:					
Operator ID:	pad	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

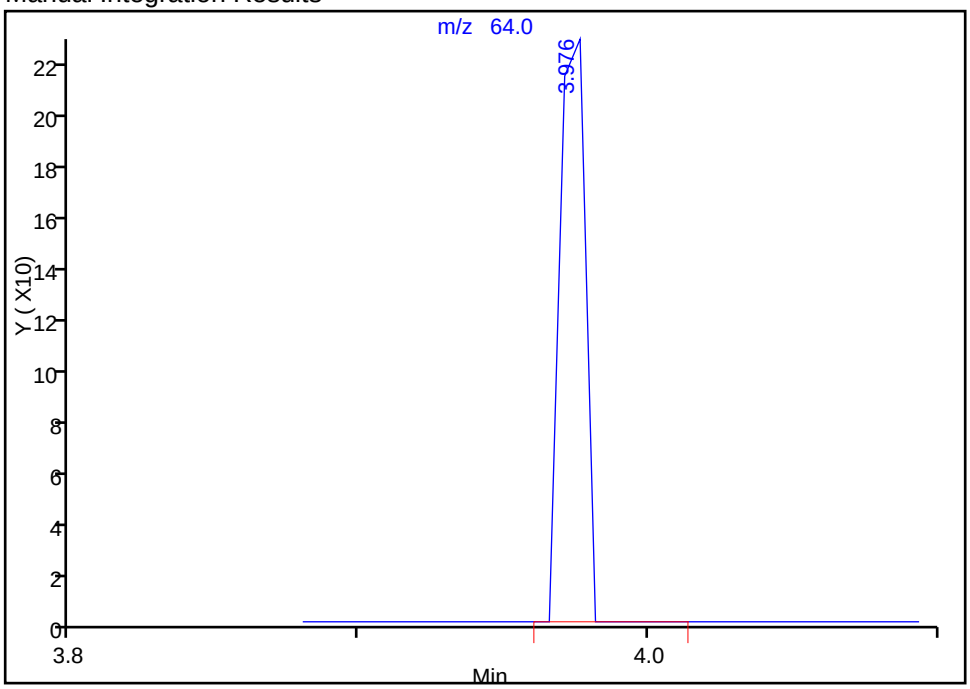
10 Vinyl chloride, CAS: 75-01-4

Processing Integration Results

RT: 3.97
Response: 0
Amount: 0.032546

Manual Integration Results

RT: 3.98
Response: 137
Amount: 0.032546



Reviewer: lyonsb, 14-Jan-2014 12:59:43
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma003.D				
Injection Date:	03-Jan-2014 09:43:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:	VIBLK 200-66774/3-A		
Client ID:					
Operator ID:	pad	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

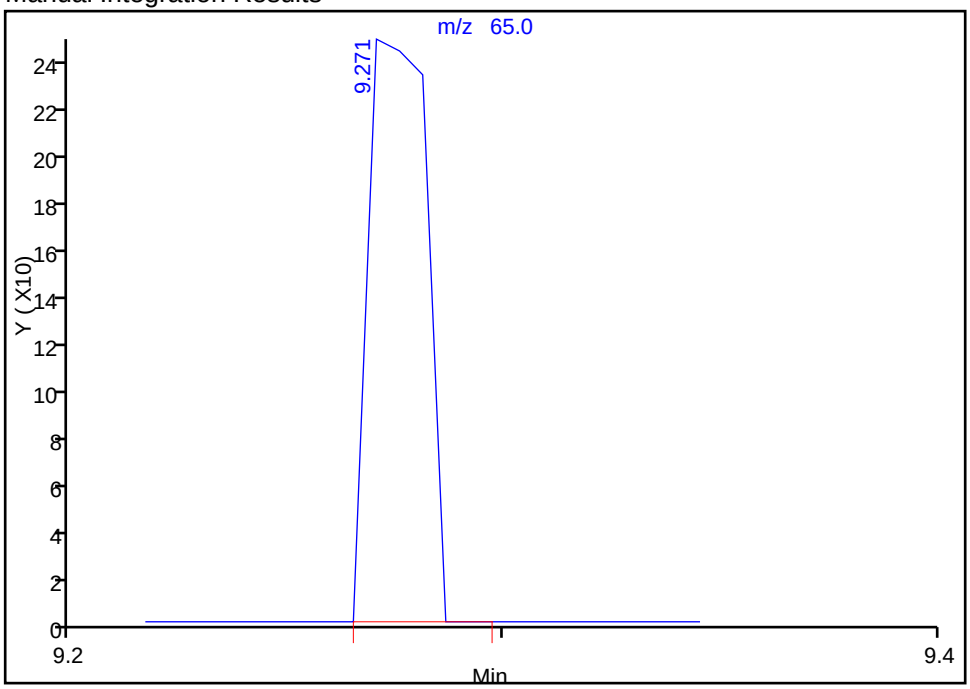
37 1,1-Dichloroethane, CAS: 75-34-3

Processing Integration Results

RT: 9.28
Response: 0
Amount: 0.037332

Manual Integration Results

RT: 9.27
Response: 229
Amount: 0.037332



Reviewer: lyonsb, 14-Jan-2014 12:59:43
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma003.D				
Injection Date:	03-Jan-2014 09:43:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:	VIBLK 200-66774/3-A		
Client ID:					
Operator ID:	pad	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

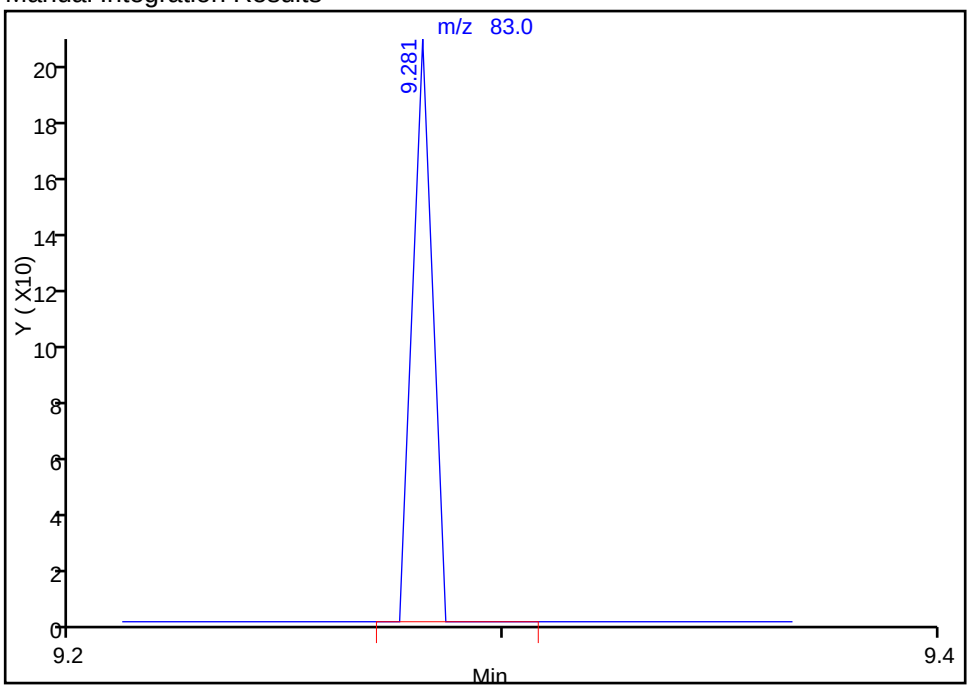
37 1,1-Dichloroethane, CAS: 75-34-3

Processing Integration Results

RT: 9.28
Response: 0
Amount: 0.037332

Manual Integration Results

RT: 9.28
Response: 65
Amount: 0.037332



Reviewer: lyonsb, 14-Jan-2014 12:59:43
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

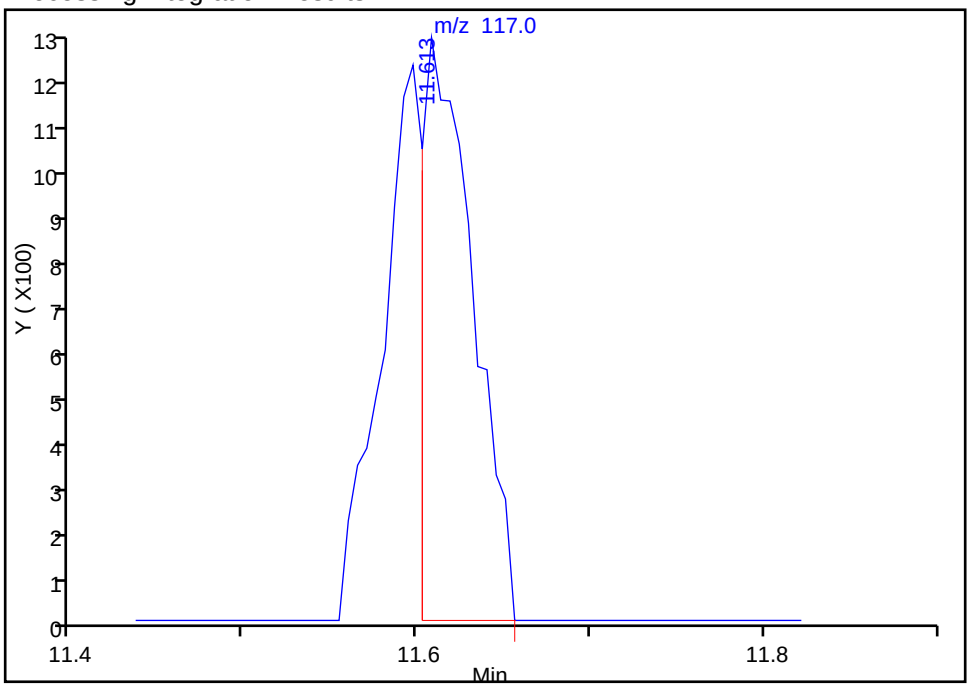
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma003.D				
Injection Date:	03-Jan-2014 09:43:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:	VIBLK 200-66774/3-A		
Client ID:					
Operator ID:	pad	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 Carbon tetrachloride, CAS: 56-23-5

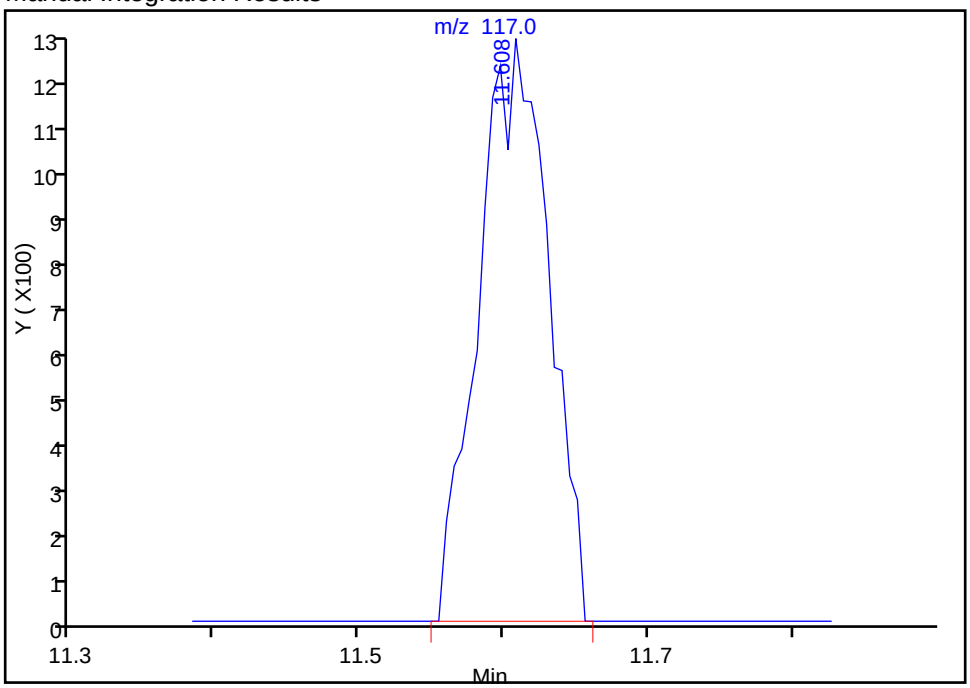
Processing Integration Results

RT: 11.61
Response: 2593
Amount: 0.023828



Manual Integration Results

RT: 11.61
Response: 4267
Amount: 0.037416



Reviewer: lyonsb, 14-Jan-2014 12:59:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

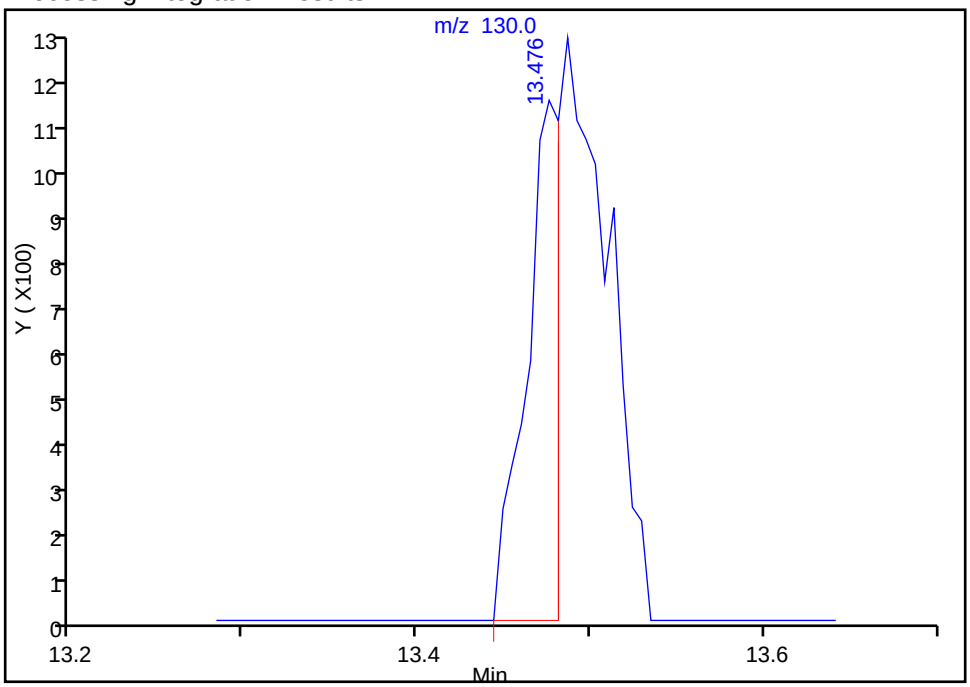
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma003.D				
Injection Date:	03-Jan-2014 09:43:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:	VIBLK 200-66774/3-A		
Client ID:					
Operator ID:	pad	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

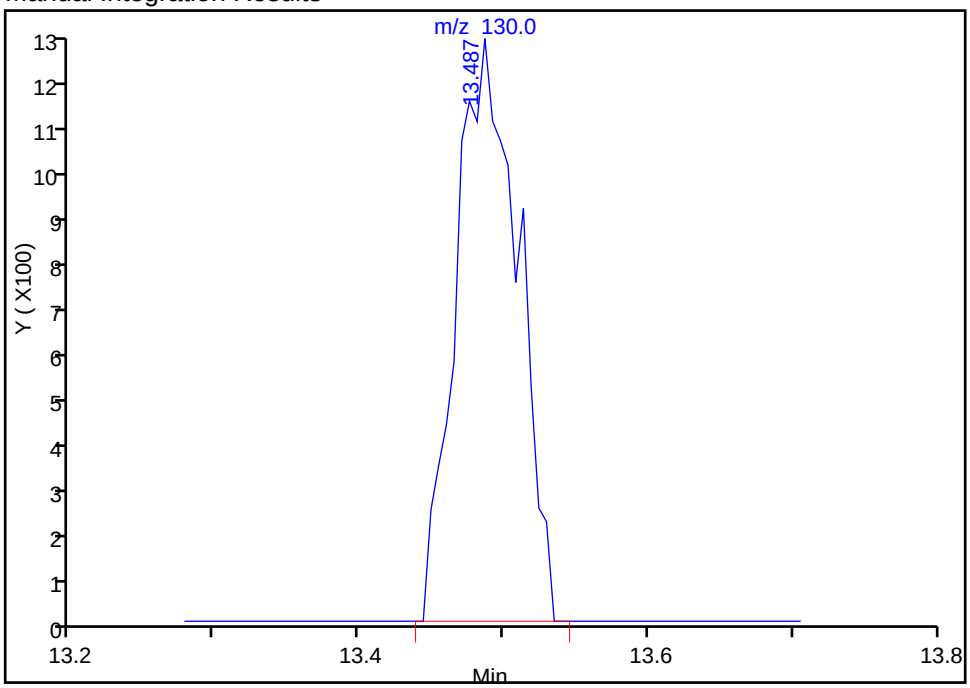
Processing Integration Results

RT: 13.48
Response: 1559
Amount: 0.040944



Manual Integration Results

RT: 13.49
Response: 3816
Amount: 0.040944



Reviewer: lyonsb, 14-Jan-2014 12:59:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma004.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 03-Jan-2014 10:35:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-004
Misc. Info.: ic
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:19:32 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: desjardinsb Date: 15-Jan-2014 11:45:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.186	3.181	0.005	87	3432	0.4230	
2 Dichlorodifluoromethane	85	3.261	3.256	0.005	86	17694	0.2156	
6 Chlorodifluoromethane	51	3.325	3.320	0.005	48	5677	0.2248	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.555	3.549	0.006	81	17710	0.2054	
8 Chloromethane	50	3.709	3.704	0.005	69	4943	0.3804	
9 Butane	43	3.923	3.918	0.005	85	5051	0.2720	
10 Vinyl chloride	62	3.976	3.971	0.005	35	4392	0.2131	
11 Butadiene	54	4.062	4.056	0.006	60	2835	0.2159	
12 Bromomethane	94	4.804	4.798	0.006	85	6831	0.2125	
13 Chloroethane	64	5.060	5.060	0.0	50	2252	0.2227	
14 2-Methylbutane	43	5.129	5.134	-0.005	61	3388	0.2644	
15 Vinyl bromide	106	5.476	5.476	0.0	80	8057	0.2027	M
16 Trichlorofluoromethane	101	5.588	5.583	0.005	66	19976	0.2063	
17 Pentane	43	5.727	5.732	-0.005	81	5432	0.2505	
19 Ethanol	45	6.266	6.239	0.027	74	2843	0.6441	
21 Ethyl ether	59	6.319	6.303	0.016	54	3013	0.2033	
22 Acrolein	56	6.741	6.719	0.022	1	2893	0.4496	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.735	6.725	0.010	76	14226	0.1998	
24 1,1-Dichloroethene	96	6.773	6.773	0.0	54	6676	0.1974	
25 Acetone	43	7.077	7.056	0.021	88	27907	1.46	
26 Carbon disulfide	76	7.162	7.157	0.005	85	18072	0.2123	
27 Isopropyl alcohol	45	7.403	7.371	0.032	48	3548	0.2526	M
29 3-Chloro-1-propene	41	7.600	7.605	-0.005	31	2882	0.2082	
30 Acetonitrile	41	7.792	7.776	0.016	79	2687	0.2513	
31 Methylene Chloride	49	7.915	7.915	0.0	45	5231	0.3188	
32 2-Methyl-2-propanol	59	8.214	8.176	0.038	74	6945	0.1974	M
33 Methyl tert-butyl ether	73	8.363	8.331	0.032	63	15814	0.1964	
34 trans-1,2-Dichloroethene	61	8.358	8.358	0.0	39	6481	0.2042	
35 Acrylonitrile	53	8.561	8.555	0.006	71	2459	0.2031	
36 Hexane	57	8.753	8.758	-0.005	71	6841	0.2161	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	9.287	9.281	0.006	64	9456	0.2107	
	38 Vinyl acetate	43	9.377	9.377	0.0	95	6699	0.1962	
S	41 1,2-Dichloroethene, Total	61				0		0.4021	
	39 cis-1,2-Dichloroethene	96	10.450	10.445	0.005	60	9157	0.1979	
	40 2-Butanone (MEK)	72	10.546	10.530	0.016	83	7849	0.4363	
	42 Ethyl acetate	88		10.562					
*	43 Chlorobromomethane	128	10.936	10.936	0.0	65	487805	10.0	
	44 Tetrahydrofuran	42	10.989	10.952	0.037	65	4109	0.2362	
	45 Chloroform	83	11.074	11.080	-0.006	39	17262	0.2008	
	46 Cyclohexane	84	11.309	11.304	0.005	51	12523	0.2054	
	47 1,1,1-Trichloroethane	97	11.357	11.352	0.005	69	19053	0.1981	
	48 Carbon tetrachloride	117	11.608	11.608	0.0	89	19989	0.1889	
	51 Isooctane	57	12.067	12.067	0.0	94	34225	0.2144	
	50 Benzene	78	12.115	12.110	0.005	72	30171	0.2151	
	52 1,2-Dichloroethane	62	12.323	12.318	0.005	70	9772	0.1977	
	53 n-Heptane	43	12.483	12.478	0.005	65	10999	0.2412	M
*	54 1,4-Difluorobenzene	114	13.006	13.006	0.0	92	2700299	10.0	
	55 n-Butanol	56	13.476	13.449	0.027	37	6730	0.3441	
	56 Trichloroethene	95	13.481	13.487	-0.006	76	14274	0.1973	
A	57 GRO	1	13.505	5.124 -	21.886	0	3978309	0	
	58 1,2-Dichloropropane	63	14.090	14.090	0.0	79	10622	0.2045	
	59 Methyl methacrylate	69	14.277	14.271	0.006	58	9776	0.1791	
	60 1,4-Dioxane	88	14.373	14.335	0.038	48	5377	0.2229	
	61 Dibromomethane	174	14.351	14.351	0.0	88	12513	0.1744	
	62 Dichlorobromomethane	83	14.650	14.655	-0.005	87	20532	0.1880	
A	63 TVOC as Toluene	1	15.282	3.171 -	27.394	0	6987646	52.5	
	64 cis-1,3-Dichloropropene	75	15.621	15.616	0.005	62	16495	0.1868	
	65 4-Methyl-2-pentanone (MIBK)	43	15.942	15.926	0.016	77	14447	0.2108	
A	67 Toluene Range	1	16.214	16.174 -	16.254	0	172220	NC	
	66 Toluene	92	16.214	16.214	0.0	87	25455	0.2052	
A	69 C8 Range	1	16.251	16.201 -	16.301	0	172220	NC	
	68 n-Octane	43	16.251	16.251	0.0	77	18652	0.2399	
	70 trans-1,3-Dichloropropene	75	16.822	16.828	-0.006	73	19466	0.2082	
	71 1,1,2-Trichloroethane	83	17.212	17.212	0.0	87	10948	0.1939	
	72 Tetrachloroethene	166	17.287	17.297	-0.010	92	19177	0.1770	
	73 2-Hexanone	43	17.681	17.671	0.010	83	15837	0.2430	
	74 Chlorodibromomethane	129	17.970	17.975	-0.005	88	19986	0.1665	
	75 Ethylene Dibromide	107	18.253	18.252	0.001	87	20146	0.1832	
*	76 Chlorobenzene-d5	117	19.149	19.149	0.0	82	2518836	10.0	
	77 Chlorobenzene	112	19.208	19.208	0.0	41	33042	0.1884	
	78 Ethylbenzene	91	19.357	19.357	0.0	86	51427	0.1932	
	79 n-Nonane	57	19.459	19.459	0.0	80	22977	0.2256	
	81 m-Xylene & p-Xylene	106	19.608	19.608	0.0	100	40912	0.3689	
S	82 Xylenes, Total	106				0		0.5546	
	83 o-Xylene	106	20.414	20.414	0.0	83	20148	0.1857	
	84 Styrene	104	20.462	20.467	-0.005	88	27525	0.1648	
	85 Bromoform	173	20.862	20.862	0.0	97	19324	0.1528	
	86 Isopropylbenzene	105	21.044	21.049	-0.005	90	57135	0.1859	
$	87 4-Bromofluorobenzene	95	21.401	21.401	0.0	96	1793801	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.668	21.668	0.0	89	29067	0.1978	
	90 N-Propylbenzene	91	21.732	21.727	0.005	96	71307	0.1981	
	89 1,2,3-Trichloropropane	75	21.764	21.764	0.0	89	23582	0.2148	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
93 n-Decane	57	21.876	21.876	0.0	80	29101	0.2422	
91 4-Ethyltoluene	105	21.908	21.908	0.0	92	60039	0.1920	
92 2-Chlorotoluene	91	21.919	21.924	-0.005	85	48789	0.2020	
94 1,3,5-Trimethylbenzene	105	22.004	22.010	-0.006	90	48434	0.1859	
95 Alpha Methyl Styrene	118	22.362	22.362	0.0	85	22259	0.1623	
96 tert-Butylbenzene	119	22.479	22.479	0.0	90	45870	0.1786	
97 1,2,4-Trimethylbenzene	105	22.570	22.570	0.0	92	47819	0.1843	
98 sec-Butylbenzene	105	22.789	22.794	-0.005	96	71199	0.1890	
99 4-Isopropyltoluene	119	22.992	22.992	0.0	82	59633	0.1805	
100 1,3-Dichlorobenzene	146	23.024	23.029	-0.005	95	34909	0.1813	
101 1,4-Dichlorobenzene	146	23.162	23.168	-0.006	94	34850	0.1809	
102 Benzyl chloride	91	23.376	23.376	0.0	95	42350	0.1857	
103 n-Butylbenzene	91	23.579	23.579	0.0	96	55538	0.2075	
104 Undecane	57	23.584	23.584	0.0	87	33459	0.2980	
105 1,2-Dichlorobenzene	146	23.723	23.723	0.0	94	33715	0.1857	
106 Dodecane	57	25.244	25.244	0.0	89	29626	0.2801	
107 1,2,4-Trichlorobenzene	180	26.354	26.354	0.0	81	25530	0.1993	
108 Hexachlorobutadiene	225	26.541	26.541	0.0	85	22022	0.1809	
109 Naphthalene	128	26.882	26.882	0.0	95	50496	0.2272	
110 1,2,3-Trichlorobenzene	180	27.389	27.384	0.005	83	23415	0.2202	

QC Flag Legend

Review Flags
M - Manually Integrated

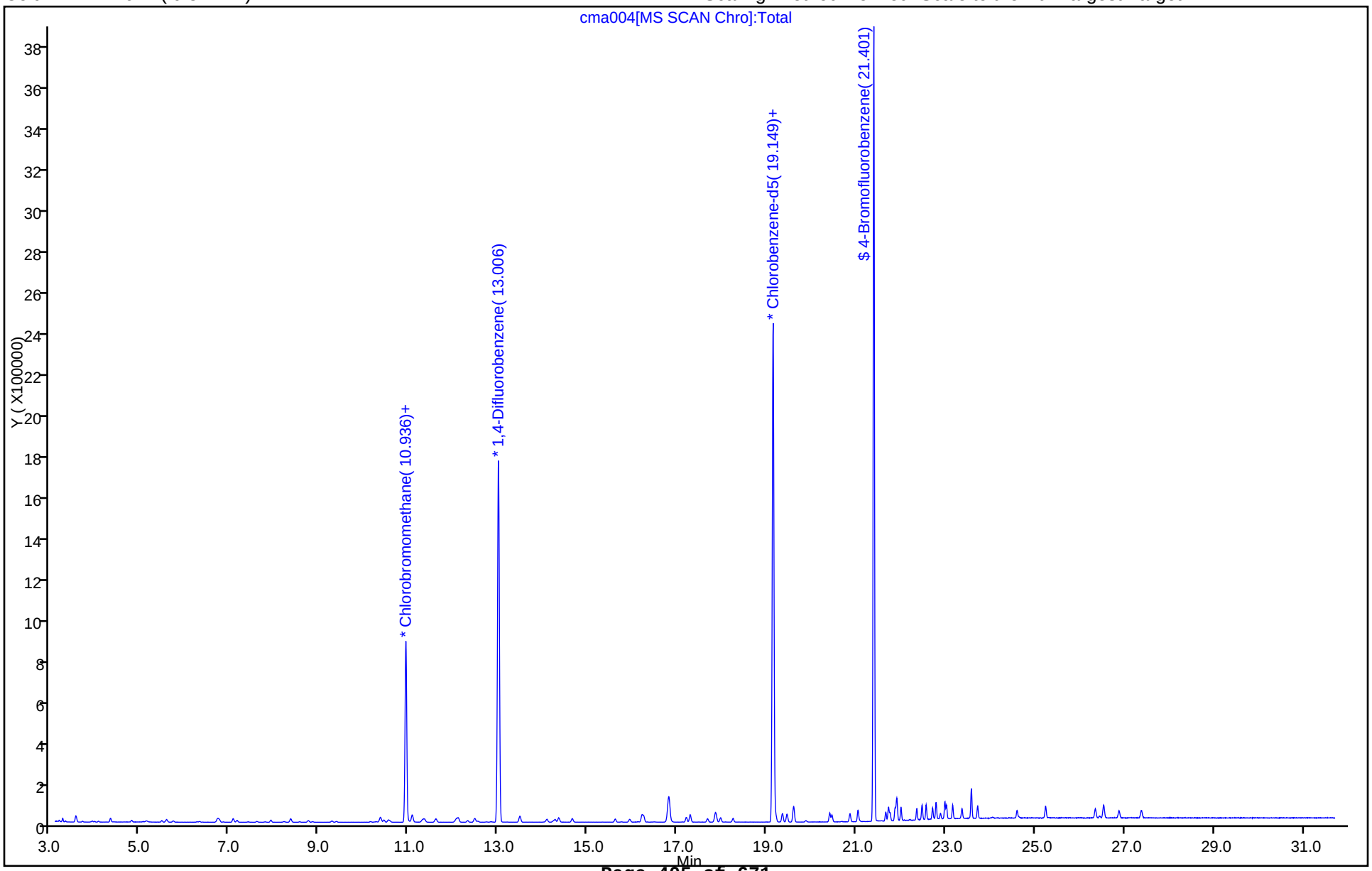
Report Date: 21-Jan-2014 12:19:33 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma004.D

Injection Date:	03-Jan-2014 10:35:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma004.D				
Injection Date:	03-Jan-2014 10:35:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

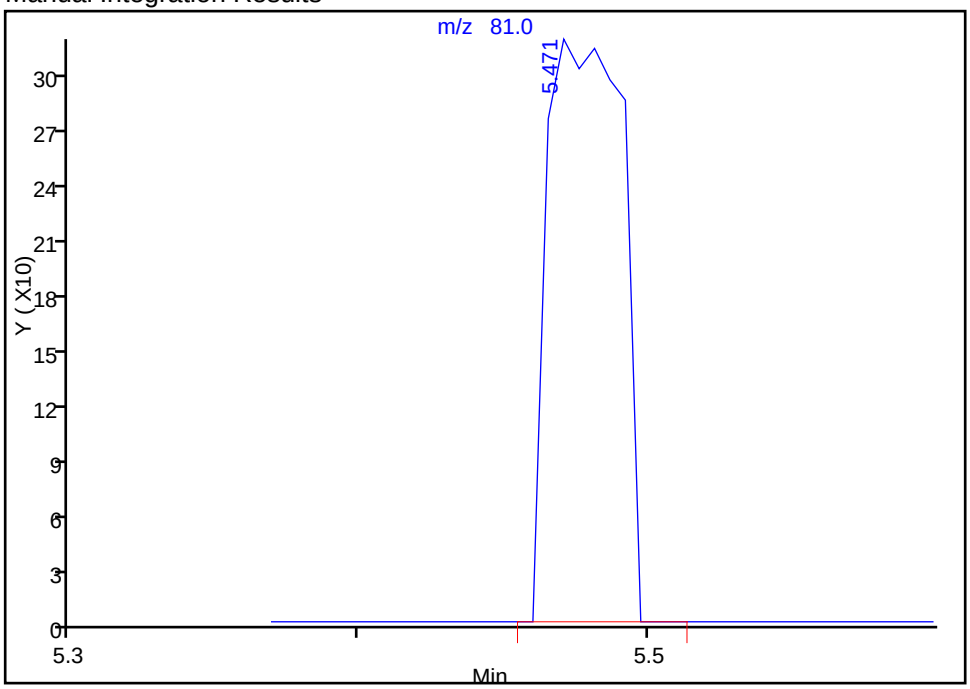
15 Vinyl bromide, CAS: 593-60-2

Processing Integration Results

RT: 5.48
Response: 0
Amount: 0.202741

Manual Integration Results

RT: 5.47
Response: 567
Amount: 0.202741



Reviewer: lyonsb, 21-Jan-2014 12:15:20
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma004.D				
Injection Date:	03-Jan-2014 10:35:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

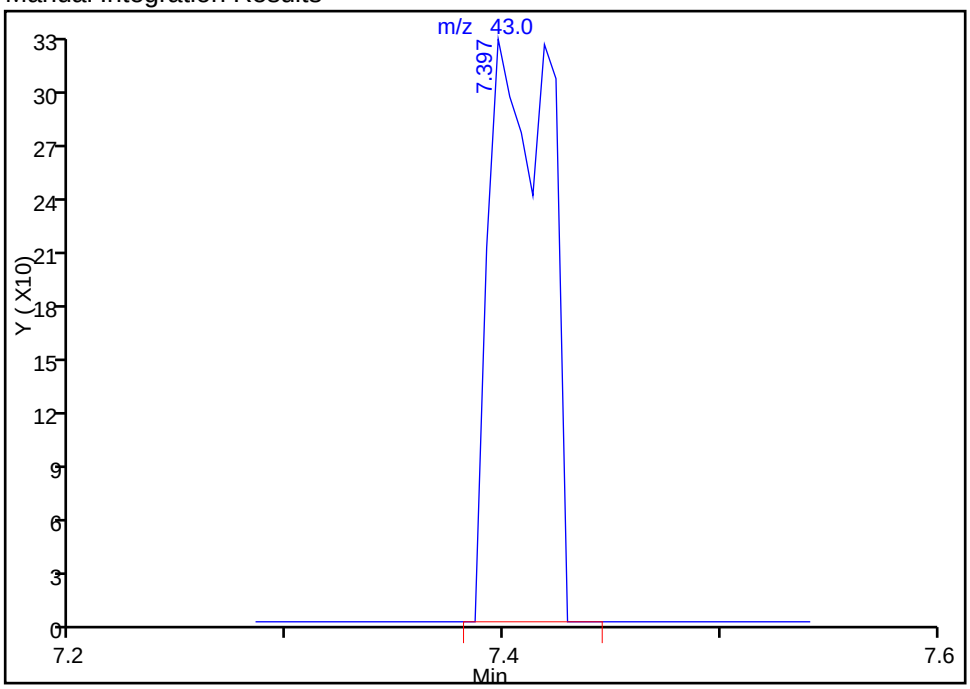
27 Isopropyl alcohol, CAS: 67-63-0

Processing Integration Results

RT: 7.37
Response: 0
Amount: 0.252601

Manual Integration Results

RT: 7.40
Response: 626
Amount: 0.252601



Reviewer: lyonsb, 21-Jan-2014 12:15:20
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma004.D				
Injection Date:	03-Jan-2014 10:35:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

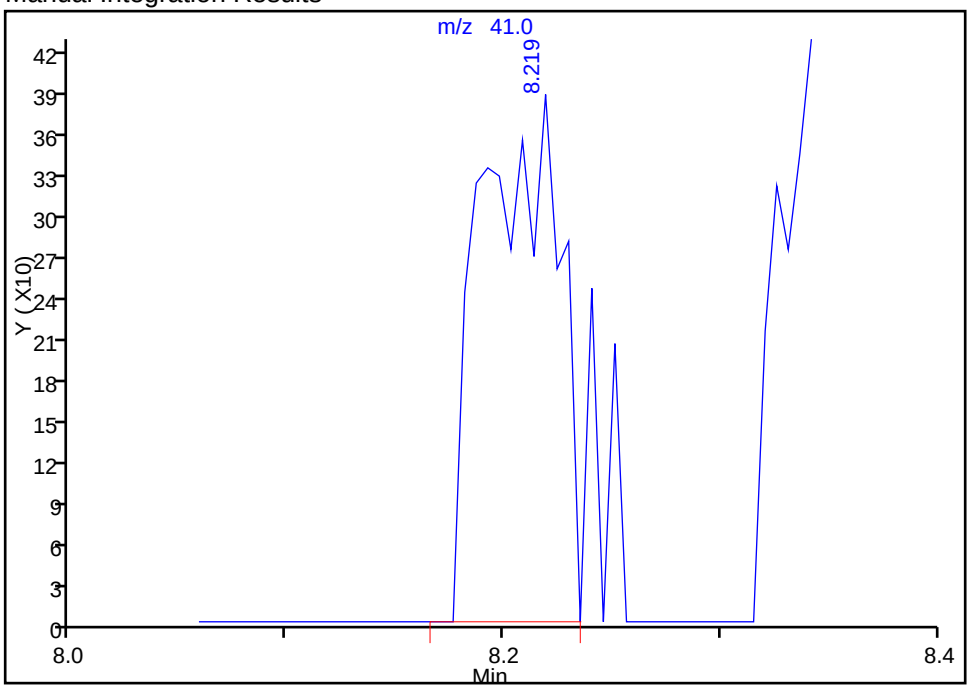
32 2-Methyl-2-propanol, CAS: 75-65-0

Processing Integration Results

RT: 8.18
Response: 0
Amount: 0.197447

Manual Integration Results

RT: 8.22
Response: 960
Amount: 0.197447



Reviewer: lyonsb, 21-Jan-2014 12:15:20
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma004.D				
Injection Date:	03-Jan-2014 10:35:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

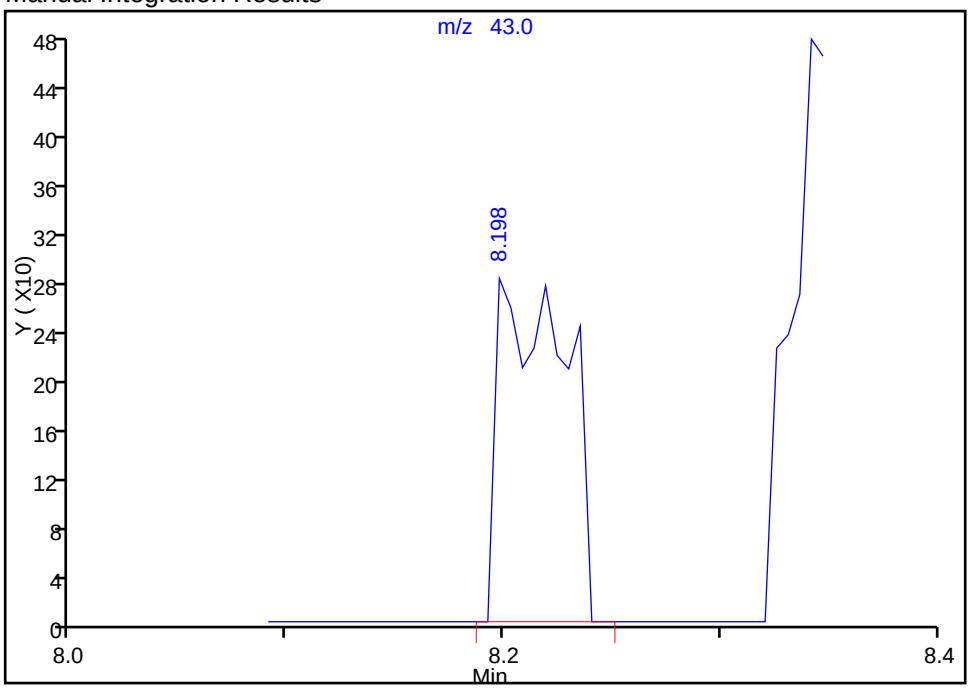
32 2-Methyl-2-propanol, CAS: 75-65-0

Processing Integration Results

RT: 8.18
Response: 0
Amount: 0.197447

Manual Integration Results

RT: 8.20
Response: 612
Amount: 0.197447



Reviewer: lyonsb, 21-Jan-2014 12:15:20
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

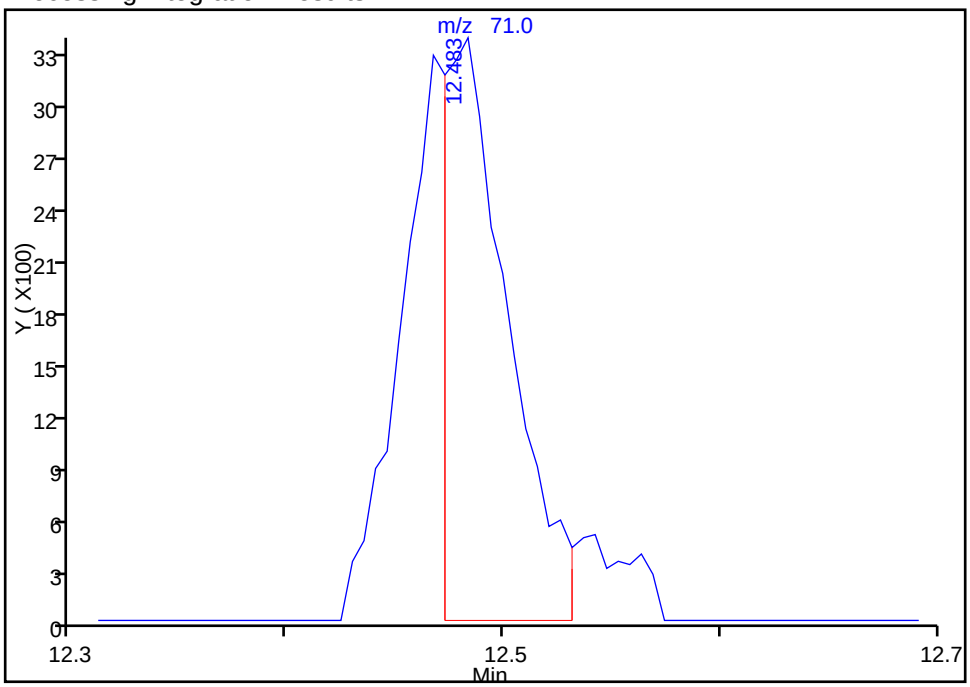
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma004.D				
Injection Date:	03-Jan-2014 10:35:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

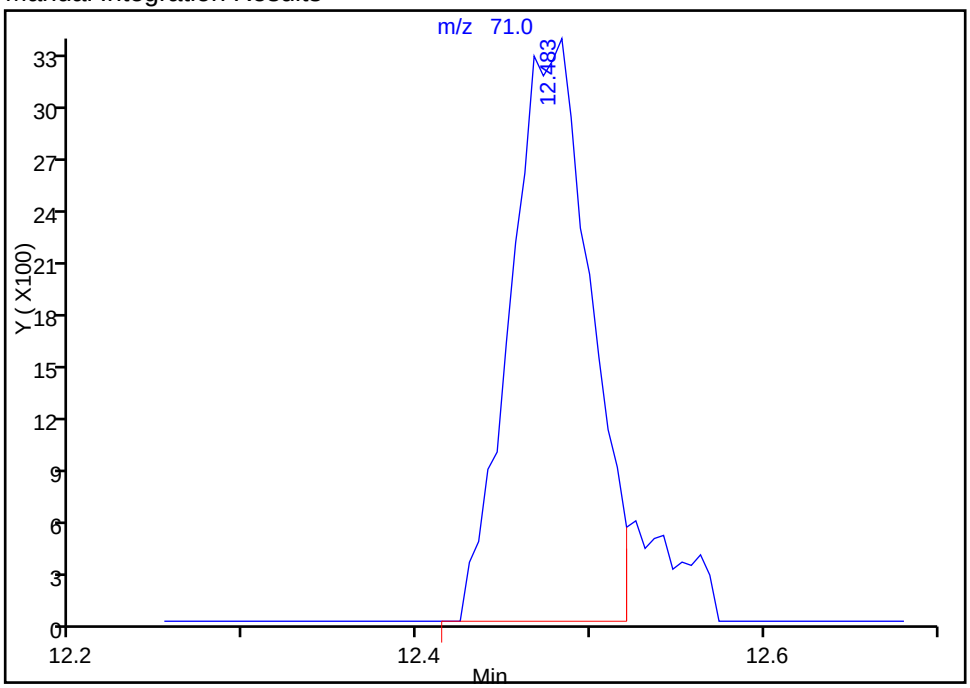
Processing Integration Results

RT: 12.48
Response: 7035
Amount: 0.241244



Manual Integration Results

RT: 12.48
Response: 10652
Amount: 0.241244



Reviewer: lyonsb, 21-Jan-2014 12:15:20
Audit Action: Split an Integrated Peak
Audit Reason: Baseline Event

Report Date: 21-Jan-2014 12:19:35 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma005.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 03-Jan-2014 11:28:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-005
Misc. Info.: ic
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:19:34 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: desjardinsb Date: 15-Jan-2014 11:43:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.181	3.181	0.0	93	5571	0.6988	
2 Dichlorodifluoromethane	85	3.256	3.256	0.0	97	45377	0.5626	
6 Chlorodifluoromethane	51	3.315	3.320	-0.006	75	14821	0.5974	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.549	3.549	0.0	86	48257	0.5696	
8 Chloromethane	50	3.704	3.704	0.0	76	8190	0.6414	
9 Butane	43	3.918	3.918	0.0	88	12186	0.6679	
10 Vinyl chloride	62	3.976	3.971	0.005	53	11803	0.5829	
11 Butadiene	54	4.056	4.056	0.0	78	7147	0.5539	
12 Bromomethane	94	4.798	4.798	0.0	94	17513	0.5543	
13 Chloroethane	64	5.060	5.060	0.0	62	5829	0.5866	
14 2-Methylbutane	43	5.134	5.134	0.0	79	7633	0.6063	
15 Vinyl bromide	106	5.476	5.476	0.0	96	21104	0.5404	
16 Trichlorofluoromethane	101	5.583	5.583	0.0	88	51644	0.5428	
17 Pentane	43	5.727	5.732	-0.005	89	13327	0.6253	
19 Ethanol	45	6.244	6.239	0.005	97	24739	5.70	
21 Ethyl ether	59	6.309	6.303	0.006	67	8149	0.5596	
22 Acrolein	56	6.725	6.719	0.006	1	4485	0.7093	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.725	6.725	0.0	86	38486	0.5501	
24 1,1-Dichloroethene	96	6.767	6.773	-0.006	65	18135	0.5457	
25 Acetone	43	7.061	7.056	0.005	92	70672	3.77	
26 Carbon disulfide	76	7.157	7.157	0.0	85	49498	0.5918	
27 Isopropyl alcohol	45	7.392	7.371	0.021	82	7940	0.5753	M
29 3-Chloro-1-propene	41	7.605	7.605	0.0	61	7954	0.5847	
30 Acetonitrile	41	7.776	7.776	0.0	94	4408	0.4195	
31 Methylene Chloride	49	7.915	7.915	0.0	57	11288	0.7000	
32 2-Methyl-2-propanol	59	8.198	8.176	0.022	86	18102	0.5237	M
33 Methyl tert-butyl ether	73	8.342	8.331	0.011	89	43452	0.5492	
34 trans-1,2-Dichloroethene	61	8.358	8.358	0.0	58	17829	0.5718	
35 Acrylonitrile	53	8.555	8.555	0.0	79	6503	0.5466	
36 Hexane	57	8.758	8.758	0.0	75	18551	0.5964	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	9.276	9.281	-0.005	78	24506	0.5558
	38 Vinyl acetate	43	9.383	9.377	0.006	96	18735	0.5585
S	41 1,2-Dichloroethene, Total	61				0		1.11
	39 cis-1,2-Dichloroethene	96	10.445	10.445	0.0	72	24378	0.5361
	40 2-Butanone (MEK)	72	10.535	10.530	0.005	96	11432	0.6466
	42 Ethyl acetate	88	10.567	10.562	0.005	94	1652	0.4416
*	43 Chlorobromomethane	128	10.930	10.936	-0.006	66	479327	10.0
	44 Tetrahydrofuran	42	10.978	10.952	0.026	68	10820	0.6346
	45 Chloroform	83	11.080	11.080	0.0	60	45374	0.5371
	46 Cyclohexane	84	11.304	11.304	0.0	71	32227	0.5394
	47 1,1,1-Trichloroethane	97	11.352	11.352	0.0	84	50442	0.5353
	48 Carbon tetrachloride	117	11.603	11.608	-0.005	95	54412	0.5247
	51 Isooctane	57	12.062	12.067	-0.005	97	91084	0.5822
	50 Benzene	78	12.110	12.110	0.0	90	75512	0.5494
	52 1,2-Dichloroethane	62	12.318	12.318	0.0	79	27010	0.5576
	53 n-Heptane	43	12.473	12.478	-0.005	74	27101	0.6066
*	54 1,4-Difluorobenzene	114	13.006	13.006	0.0	92	2646229	10.0
	55 n-Butanol	56	13.460	13.449	0.011	70	12821	0.6690
	56 Trichloroethene	95	13.487	13.487	0.0	94	37062	0.5228
A	57 GRO	1	13.505	5.124 -	21.886	0	8645115	0
	58 1,2-Dichloropropane	63	14.084	14.090	-0.006	88	28037	0.5509
	59 Methyl methacrylate	69	14.271	14.271	0.0	72	26422	0.4939
	60 1,4-Dioxane	88	14.357	14.335	0.022	35	11877	0.5023
	61 Dibromomethane	174	14.351	14.351	0.0	94	32333	0.4597
	62 Dichlorobromomethane	83	14.655	14.655	0.0	95	54274	0.5071
A	63 TVOC as Toluene	1	15.282	3.171 -	27.394	0	14901923	114.3
	64 cis-1,3-Dichloropropene	75	15.616	15.616	0.0	84	44401	0.5131
	65 4-Methyl-2-pentanone (MIBK)	43	15.931	15.926	0.005	83	38613	0.5748
A	67 Toluene Range	1	16.214	16.174 -	16.254	0	474910	NC
	66 Toluene	92	16.208	16.214	-0.006	91	62424	0.5135
A	69 C8 Range	1	16.251	16.201 -	16.301	0	474910	NC
	68 n-Octane	43	16.251	16.251	0.0	80	47800	0.6273
	70 trans-1,3-Dichloropropene	75	16.828	16.828	0.0	89	46779	0.5105
	71 1,1,2-Trichloroethane	83	17.201	17.212	-0.011	94	29041	0.5251
	72 Tetrachloroethene	166	17.292	17.297	-0.005	95	50675	0.4773
	73 2-Hexanone	43	17.676	17.671	0.005	86	37430	0.5861
	74 Chlorodibromomethane	129	17.975	17.975	0.0	94	53484	0.4547
	75 Ethylene Dibromide	107	18.253	18.252	0.0	97	51874	0.4815
*	76 Chlorobenzene-d5	117	19.144	19.149	-0.005	82	2467731	10.0
	77 Chlorobenzene	112	19.202	19.208	-0.006	85	84317	0.4907
	78 Ethylbenzene	91	19.352	19.357	-0.005	96	134729	0.5166
	79 n-Nonane	57	19.459	19.459	0.0	82	59655	0.5978
	81 m-Xylene & p-Xylene	106	19.608	19.608	0.0	100	109426	1.01
S	82 Xylenes, Total	106				0		1.50
	83 o-Xylene	106	20.414	20.414	0.0	78	52875	0.4975
	84 Styrene	104	20.462	20.467	-0.005	96	74216	0.4535
	85 Bromoform	173	20.862	20.862	0.0	97	51533	0.4159
	86 Isopropylbenzene	105	21.049	21.049	0.0	93	148819	0.4941
$	87 4-Bromofluorobenzene	95	21.396	21.401	-0.005	94	1775481	NC
	88 1,1,2,2-Tetrachloroethane	83	21.668	21.668	0.0	95	76052	0.5283
	90 N-Propylbenzene	91	21.727	21.727	0.0	98	182650	0.5180
	89 1,2,3-Trichloropropane	75	21.764	21.764	0.0	88	60287	0.5606

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
93 n-Decane	57	21.876	21.876	0.0	80	76865	0.6529	
91 4-Ethyltoluene	105	21.908	21.908	0.0	93	155619	0.5079	
92 2-Chlorotoluene	91	21.919	21.924	-0.005	89	125060	0.5284	
94 1,3,5-Trimethylbenzene	105	22.004	22.010	-0.006	92	126376	0.4952	
95 Alpha Methyl Styrene	118	22.362	22.362	0.0	89	57416	0.4273	
96 tert-Butylbenzene	119	22.479	22.479	0.0	91	123503	0.4909	
97 1,2,4-Trimethylbenzene	105	22.570	22.570	0.0	96	123258	0.4850	
98 sec-Butylbenzene	105	22.794	22.794	0.0	98	183683	0.4977	
99 4-Isopropyltoluene	119	22.986	22.992	-0.006	88	153445	0.4741	
100 1,3-Dichlorobenzene	146	23.024	23.029	-0.005	95	82226	0.4359	
101 1,4-Dichlorobenzene	146	23.162	23.168	-0.006	95	82626	0.4379	
102 Benzyl chloride	91	23.371	23.376	-0.005	99	104986	0.4700	
103 n-Butylbenzene	91	23.579	23.579	0.0	96	137191	0.5232	
104 Undecane	57	23.584	23.584	0.0	91	79422	0.7220	
105 1,2-Dichlorobenzene	146	23.717	23.723	-0.006	97	79120	0.4447	
106 Dodecane	57	25.244	25.244	0.0	92	45784	0.4419	
107 1,2,4-Trichlorobenzene	180	26.354	26.354	0.0	84	33442	0.2664	
108 Hexachlorobutadiene	225	26.541	26.541	0.0	92	53181	0.4459	
109 Naphthalene	128	26.882	26.882	0.0	95	40941	0.1880	
110 1,2,3-Trichlorobenzene	180	27.384	27.384	0.0	86	27258	0.2617	

QC Flag Legend

Review Flags
M - Manually Integrated

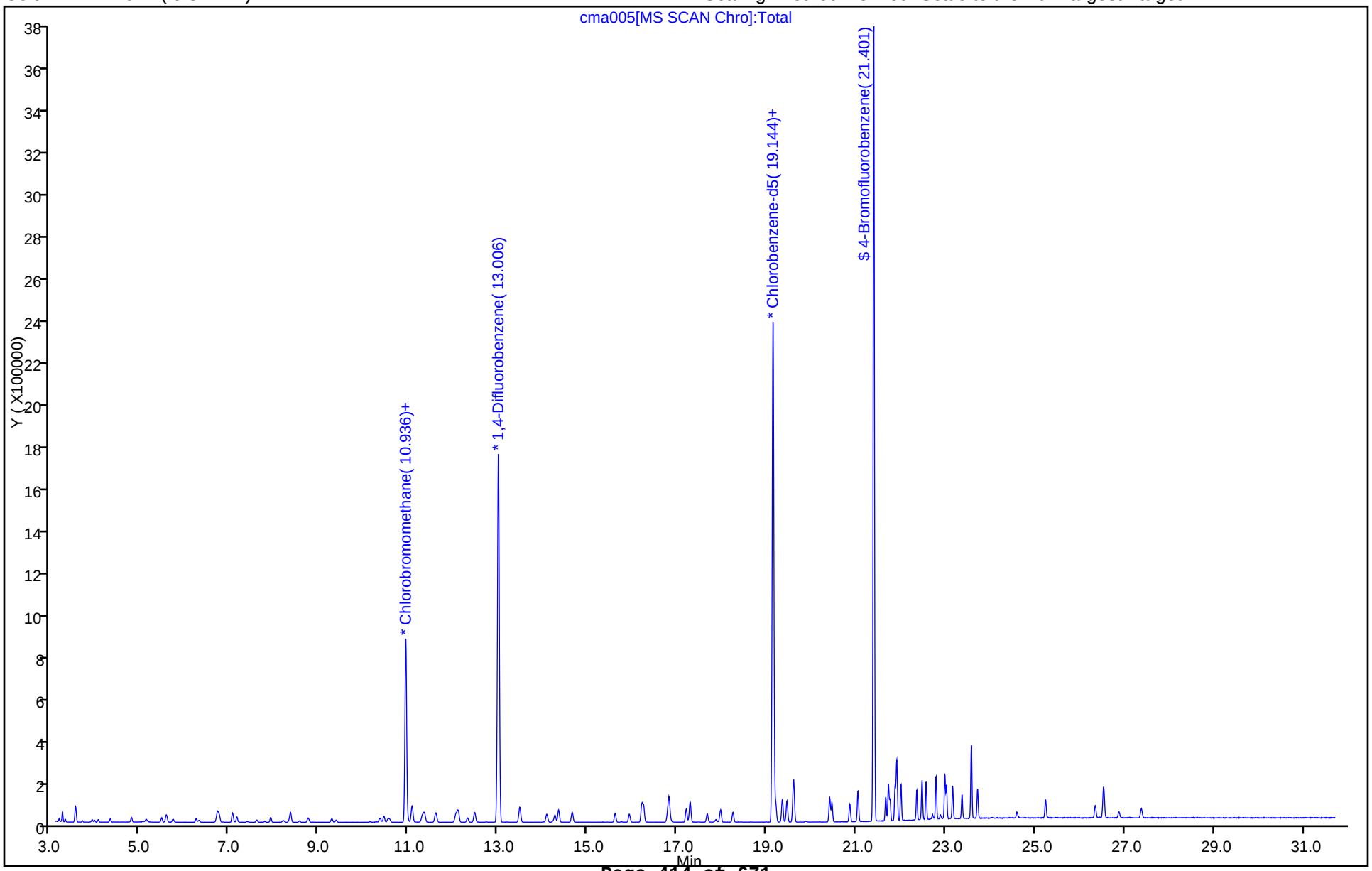
Report Date: 21-Jan-2014 12:19:35 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma005.D

Injection Date:	03-Jan-2014 11:28:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma005.D				
Injection Date:	03-Jan-2014 11:28:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

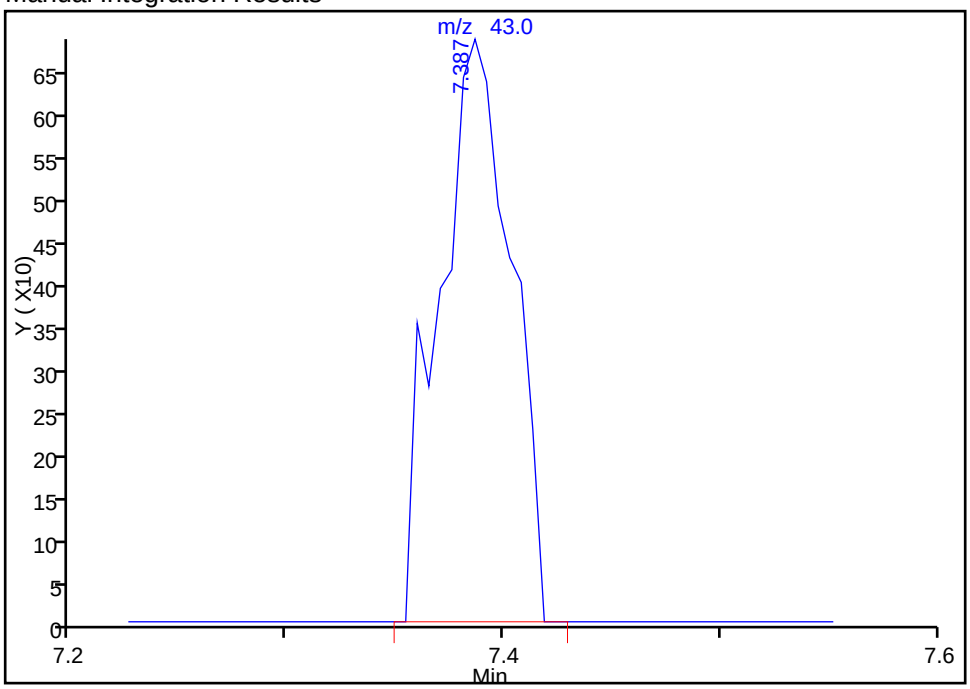
27 Isopropyl alcohol, CAS: 67-63-0

Processing Integration Results

RT: 7.37
Response: 0
Amount: 0.575288

Manual Integration Results

RT: 7.39
Response: 1581
Amount: 0.575288



Reviewer: lyonsb, 21-Jan-2014 12:16:19
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

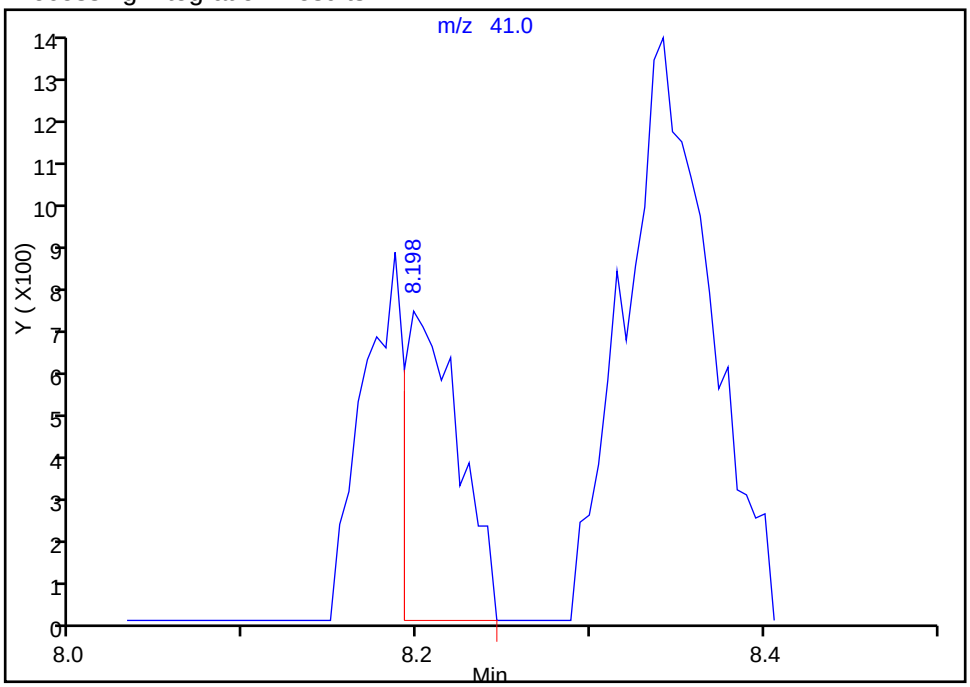
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma005.D				
Injection Date:	03-Jan-2014 11:28:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

32 2-Methyl-2-propanol, CAS: 75-65-0

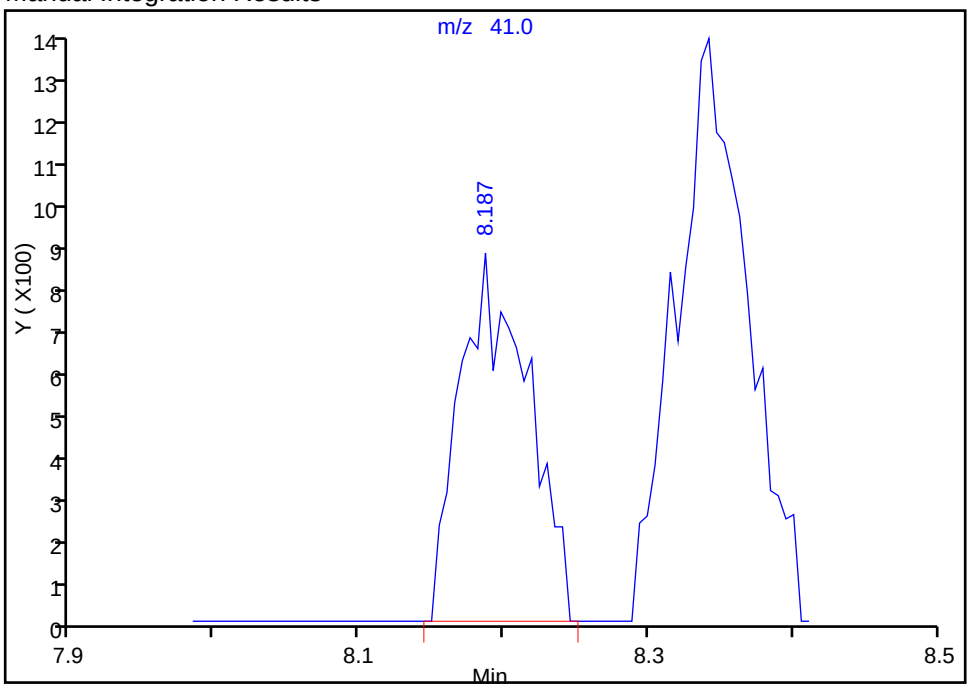
Processing Integration Results

RT: 8.20
Response: 1605
Amount: 0.523745



Manual Integration Results

RT: 8.19
Response: 2843
Amount: 0.523745



Reviewer: lyonsb, 21-Jan-2014 12:16:19
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Report Date: 21-Jan-2014 12:19:36 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma006.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 03-Jan-2014 12:20:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-006
Misc. Info.: ic
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:19:35 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: desjardinsb Date: 15-Jan-2014 11:40:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.186	3.181	0.005	97	42935	5.28	
2 Dichlorodifluoromethane	85	3.266	3.256	0.010	98	440533	5.35	
6 Chlorodifluoromethane	51	3.325	3.320	0.005	95	139066	5.49	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.555	3.549	0.006	89	464216	5.37	
8 Chloromethane	50	3.709	3.704	0.005	98	70501	5.41	
9 Butane	43	3.928	3.918	0.010	96	98918	5.31	
10 Vinyl chloride	62	3.982	3.971	0.011	97	114705	5.55	
11 Butadiene	54	4.062	4.056	0.006	86	71198	5.41	
12 Bromomethane	94	4.809	4.798	0.011	96	167437	5.19	
13 Chloroethane	64	5.065	5.060	0.005	96	54348	5.36	
14 2-Methylbutane	43	5.140	5.134	0.006	83	65852	5.13	
15 Vinyl bromide	106	5.481	5.476	0.005	98	206549	5.18	
16 Trichlorofluoromethane	101	5.588	5.583	0.005	96	505743	5.21	
17 Pentane	43	5.737	5.732	0.005	93	119316	5.49	
19 Ethanol	45	6.250	6.239	0.011	98	45774	10.3	
21 Ethyl ether	59	6.308	6.303	0.005	78	81581	5.49	
22 Acrolein	56	6.725	6.719	0.006	36	37975	5.89	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.730	6.725	0.005	91	378769	5.31	
24 1,1-Dichloroethene	96	6.773	6.773	0.0	83	180155	5.31	
25 Acetone	43	7.066	7.056	0.010	93	111024	5.81	
26 Carbon disulfide	76	7.162	7.157	0.005	97	455113	5.33	
27 Isopropyl alcohol	45	7.381	7.371	0.010	98	83134	5.90	
29 3-Chloro-1-propene	41	7.611	7.605	0.006	75	76006	5.48	
30 Acetonitrile	41	7.781	7.776	0.005	98	43003	4.01	
31 Methylene Chloride	49	7.920	7.915	0.005	68	89173	5.42	
32 2-Methyl-2-propanol	59	8.182	8.176	0.006	97	200334	5.68	
33 Methyl tert-butyl ether	73	8.342	8.331	0.011	93	433281	5.37	
34 trans-1,2-Dichloroethene	61	8.363	8.358	0.005	78	173528	5.45	
35 Acrylonitrile	53	8.561	8.555	0.006	95	67000	5.52	
36 Hexane	57	8.758	8.758	0.0	80	169121	5.33	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	9.286	9.281	0.005	98	244466	5.43
	38 Vinyl acetate	43	9.383	9.377	0.006	97	195275	5.70
S	41 1,2-Dichloroethene, Total	61				0		10.6
	39 cis-1,2-Dichloroethene	96	10.450	10.445	0.005	82	237194	5.11
	40 2-Butanone (MEK)	72	10.530	10.530	0.0	95	92669	5.14
	42 Ethyl acetate	88	10.573	10.562	0.011	98	19335	5.07
*	43 Chlorobromomethane	128	10.941	10.936	0.005	64	489090	10.0
	44 Tetrahydrofuran	42	10.962	10.952	0.010	71	105798	6.10
	45 Chloroform	83	11.080	11.080	0.0	98	448827	5.21
	46 Cyclohexane	84	11.314	11.304	0.010	74	320896	5.28
	47 1,1,1-Trichloroethane	97	11.357	11.352	0.005	92	503779	5.25
	48 Carbon tetrachloride	117	11.608	11.608	0.0	96	551593	5.23
	51 Isooctane	57	12.067	12.067	0.0	98	889099	5.58
	50 Benzene	78	12.115	12.110	0.005	92	733560	5.24
	52 1,2-Dichloroethane	62	12.323	12.318	0.005	92	266586	5.41
	53 n-Heptane	43	12.478	12.478	0.0	76	256172	5.63
*	54 1,4-Difluorobenzene	114	13.012	13.006	0.006	92	2693608	10.0
	55 n-Butanol	56	13.460	13.449	0.011	78	114306	5.86
	56 Trichloroethene	95	13.487	13.487	0.0	97	358675	4.97
A	57 GRO	1	13.505	5.124 - 21.886		0	82349911	0
	58 1,2-Dichloropropane	63	14.090	14.090	0.0	94	275105	5.31
	59 Methyl methacrylate	69	14.271	14.271	0.0	78	283187	5.20
	60 1,4-Dioxane	88	14.341	14.335	0.006	73	131628	5.47
	61 Dibromomethane	174	14.357	14.351	0.006	95	334700	4.68
	62 Dichlorobromomethane	83	14.661	14.655	0.006	98	565458	5.19
A	63 TVOC as Toluene	1	15.282	3.171 - 27.394		0	153395457	1156.1
	64 cis-1,3-Dichloropropene	75	15.621	15.616	0.005	81	455388	5.17
	65 4-Methyl-2-pentanone (MIBK)	43	15.931	15.926	0.005	89	394075	5.76
A	67 Toluene Range	1	16.214	16.174 - 16.254		0	4366041	NC
	66 Toluene	92	16.214	16.214	0.0	93	628054	4.98
A	69 C8 Range	1	16.251	16.201 - 16.301		0	4366041	NC
	68 n-Octane	43	16.251	16.251	0.0	80	449048	5.79
	70 trans-1,3-Dichloropropene	75	16.828	16.828	0.0	91	477111	5.12
	71 1,1,2-Trichloroethane	83	17.206	17.212	-0.006	94	295352	5.15
	72 Tetrachloroethene	166	17.297	17.297	0.0	96	527159	4.79
	73 2-Hexanone	43	17.676	17.671	0.005	87	385316	5.82
	74 Chlorodibromomethane	129	17.975	17.975	0.0	95	606906	4.97
	75 Ethylene Dibromide	107	18.252	18.252	0.0	98	559382	5.00
*	76 Chlorobenzene-d5	117	19.149	19.149	0.0	82	2560261	10.0
	77 Chlorobenzene	112	19.208	19.208	0.0	95	872800	4.90
	78 Ethylbenzene	91	19.357	19.357	0.0	97	1371777	5.07
	79 n-Nonane	57	19.459	19.459	0.0	82	572999	5.53
	81 m-Xylene & p-Xylene	106	19.608	19.608	0.0	100	1138257	10.1
S	82 Xylenes, Total	106				0		15.1
	83 o-Xylene	106	20.414	20.414	0.0	93	550762	4.99
	84 Styrene	104	20.467	20.467	0.0	97	863740	5.09
	85 Bromoform	173	20.862	20.862	0.0	98	637087	4.96
	86 Isopropylbenzene	105	21.049	21.049	0.0	94	1584424	5.07
$	87 4-Bromofluorobenzene	95	21.401	21.401	0.0	95	1862428	NC
	88 1,1,2,2-Tetrachloroethane	83	21.668	21.668	0.0	97	799069	5.35
	90 N-Propylbenzene	91	21.727	21.727	0.0	99	1919597	5.25
	89 1,2,3-Trichloropropane	75	21.764	21.764	0.0	91	606575	5.44

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
93	n-Decane	57	21.876	21.876	0.0	77	740523	6.06	
91	4-Ethyltoluene	105	21.908	21.908	0.0	94	1689816	5.32	
92	2-Chlorotoluene	91	21.919	21.924	-0.005	95	1334057	5.43	
94	1,3,5-Trimethylbenzene	105	22.010	22.010	0.0	93	1366762	5.16	
95	Alpha Methyl Styrene	118	22.362	22.362	0.0	90	715477	5.13	
96	tert-Butylbenzene	119	22.479	22.479	0.0	91	1327113	5.08	
97	1,2,4-Trimethylbenzene	105	22.570	22.570	0.0	96	1377412	5.22	
98	sec-Butylbenzene	105	22.794	22.794	0.0	99	1996965	5.22	
99	4-Isopropyltoluene	119	22.992	22.992	0.0	93	1731528	5.16	
100	1,3-Dichlorobenzene	146	23.029	23.029	0.0	97	996013	5.09	
101	1,4-Dichlorobenzene	146	23.162	23.168	-0.006	95	978415	5.00	
102	Benzyl chloride	91	23.376	23.376	0.0	99	1232207	5.32	
103	n-Butylbenzene	91	23.579	23.579	0.0	98	1540692	5.66	
104	Undecane	57	23.584	23.584	0.0	88	824877	7.23	
105	1,2-Dichlorobenzene	146	23.723	23.723	0.0	97	925329	5.01	
106	Dodecane	57	25.244	25.244	0.0	90	774295	7.20	
107	1,2,4-Trichlorobenzene	180	26.354	26.354	0.0	90	666882	5.12	
108	Hexachlorobutadiene	225	26.541	26.541	0.0	95	667222	5.39	
109	Naphthalene	128	26.882	26.882	0.0	99	1036507	4.59	
110	1,2,3-Trichlorobenzene	180	27.384	27.384	0.0	95	578055	5.35	

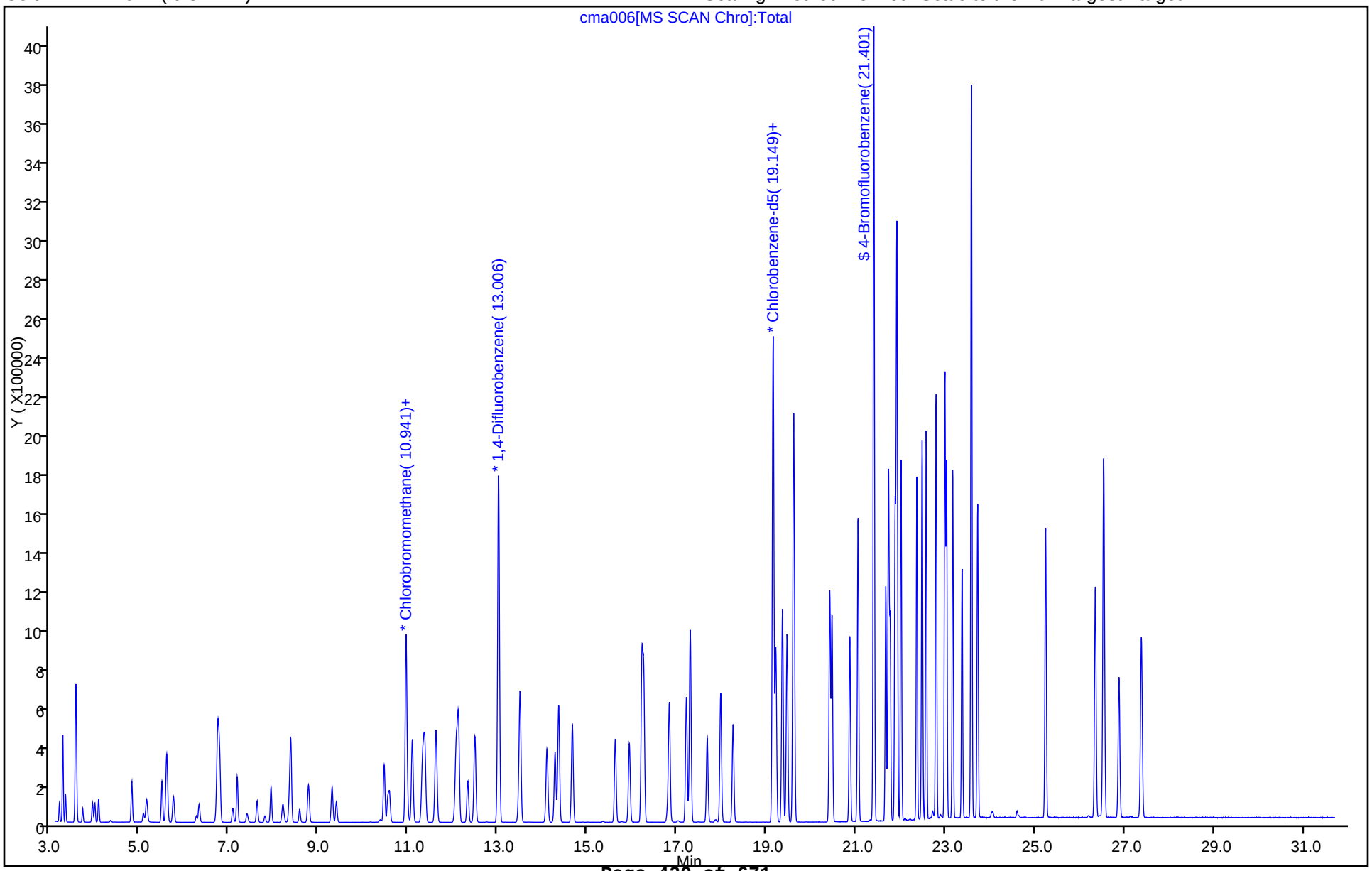
Report Date: 21-Jan-2014 12:19:36 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma006.D

Injection Date:	03-Jan-2014 12:20:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma007.D
Lims ID: icis Lab Sample ID: Client 200-66774/7-A
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 03-Jan-2014 13:12:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-007
Misc. Info.: icis
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:21:49 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.181	3.181	0.0	99	84638	9.71	
2 Dichlorodifluoromethane	85	3.256	3.256	0.0	98	898118	10.2	
6 Chlorodifluoromethane	51	3.320	3.320	0.0	74	273415	10.1	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.549	3.549	0.0	85	944889	10.2	
8 Chloromethane	50	3.704	3.704	0.0	99	139299	9.98	
9 Butane	43	3.918	3.918	0.0	96	192043	9.63	
10 Vinyl chloride	62	3.971	3.971	0.0	88	228021	10.3	
11 Butadiene	54	4.056	4.056	0.0	85	142721	10.1	
12 Bromomethane	94	4.798	4.798	0.0	99	347831	10.1	
13 Chloroethane	64	5.060	5.060	0.0	94	109569	10.1	
14 2-Methylbutane	43	5.134	5.134	0.0	82	127794	9.28	
15 Vinyl bromide	106	5.476	5.476	0.0	96	431306	10.1	
16 Trichlorofluoromethane	101	5.583	5.583	0.0	97	1048712	10.1	
17 Pentane	43	5.732	5.732	0.0	92	228804	9.82	
19 Ethanol	45	6.239	6.239	0.0	95	74658	15.7	
21 Ethyl ether	59	6.303	6.303	0.0	74	161365	10.1	
22 Acrolein	56	6.719	6.719	0.0	36	74508	10.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.725	6.725	0.0	90	777486	10.2	
24 1,1-Dichloroethene	96	6.773	6.773	0.0	72	373073	10.3	
25 Acetone	43	7.056	7.056	0.0	88	237601	11.6	
26 Carbon disulfide	76	7.157	7.157	0.0	97	912494	9.98	
27 Isopropyl alcohol	45	7.371	7.371	0.0	98	156436	10.4	
29 3-Chloro-1-propene	41	7.605	7.605	0.0	71	148213	9.96	
30 Acetonitrile	41	7.776	7.776	0.0	71	80607	7.02	M
31 Methylene Chloride	49	7.915	7.915	0.0	63	167207	9.48	
32 2-Methyl-2-propanol	59	8.176	8.176	0.0	90	390095	10.3	
33 Methyl tert-butyl ether	73	8.331	8.331	0.0	92	884266	10.2	
34 trans-1,2-Dichloroethene	61	8.358	8.358	0.0	77	346536	10.2	
35 Acrylonitrile	53	8.555	8.555	0.0	96	132521	10.2	
36 Hexane	57	8.758	8.758	0.0	79	333354	9.80	
37 1,1-Dichloroethane	63	9.281	9.281	0.0	98	490369	10.2	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	38 Vinyl acetate	43	9.377	9.377 0.0	97	361815	9.86	
S	41 1,2-Dichloroethene, Total	61			0		20.3	
	39 cis-1,2-Dichloroethene	96	10.445	10.445 0.0	85	503475	10.1	
	40 2-Butanone (MEK)	72	10.530	10.530 0.0	92	191902	9.93	
	42 Ethyl acetate	88	10.562	10.562 0.0	95	42054	10.3	
*	43 Chlorobromomethane	128	10.936	10.936 0.0	63	524149	10.0	
	44 Tetrahydrofuran	42	10.952	10.952 0.0	67	201675	10.6	
	45 Chloroform	83	11.080	11.080 0.0	98	934006	10.1	
	46 Cyclohexane	84	11.304	11.304 0.0	71	674009	10.2	
	47 1,1,1-Trichloroethane	97	11.352	11.352 0.0	93	1068292	10.2	
	48 Carbon tetrachloride	117	11.608	11.608 0.0	96	1194161	10.4	
	51 Isooctane	57	12.067	12.067 0.0	97	1772110	10.2	
	50 Benzene	78	12.110	12.110 0.0	92	1541036	10.1	
	52 1,2-Dichloroethane	62	12.318	12.318 0.0	98	549003	10.2	
	53 n-Heptane	43	12.478	12.478 0.0	73	489714	9.87	
*	54 1,4-Difluorobenzene	114	13.006	13.006 0.0	91	2939250	10.0	
	55 n-Butanol	56	13.449	13.449 0.0	76	217103	10.2	
	56 Trichloroethene	95	13.487	13.487 0.0	95	789784	10.0	
A	57 GRO	1	13.505	5.124 - 21.886	0	178254609	0	
	58 1,2-Dichloropropane	63	14.090	14.090 0.0	93	578531	10.2	
	59 Methyl methacrylate	69	14.271	14.271 0.0	74	614278	10.3	
	60 1,4-Dioxane	88	14.335	14.335 0.0	44	277018	10.5	
	61 Dibromomethane	174	14.351	14.351 0.0	94	786588	10.1	
	62 Dichlorobromomethane	83	14.655	14.655 0.0	98	1228678	10.3	
A	63 TVOC as Toluene	1	15.282	3.171 - 27.394	0	324664701	2242.4	
	64 cis-1,3-Dichloropropene	75	15.616	15.616 0.0	85	992342	10.3	
	65 4-Methyl-2-pentanone (MIBK)	43	15.926	15.926 0.0	86	781397	10.5	
	66 Toluene	92	16.214	16.214 0.0	91	1407345	10.1	
A	67 Toluene Range	1	16.214	16.174 - 16.254	0	9245211	NC	
	68 n-Octane	43	16.251	16.251 0.0	76	853405	10.1	
A	69 C8 Range	1	16.251	16.201 - 16.301	0	9245211	NC	
	70 trans-1,3-Dichloropropene	75	16.828	16.828 0.0	90	1041881	10.2	
	71 1,1,2-Trichloroethane	83	17.212	17.212 0.0	92	649014	10.3	
	72 Tetrachloroethene	166	17.297	17.297 0.0	89	1245014	10.3	
	73 2-Hexanone	43	17.671	17.671 0.0	85	763872	10.5	
	74 Chlorodibromomethane	129	17.975	17.975 0.0	95	1402463	10.4	
	75 Ethylene Dibromide	107	18.252	18.252 0.0	98	1271910	10.3	
*	76 Chlorobenzene-d5	117	19.149	19.149 0.0	81	2821366	10.0	
	77 Chlorobenzene	112	19.208	19.208 0.0	95	1999703	10.2	
	78 Ethylbenzene	91	19.357	19.357 0.0	94	3048982	10.2	
	79 n-Nonane	57	19.459	19.459 0.0	78	1158583	10.2	
	81 m-Xylene & p-Xylene	106	19.608	19.608 0.0	99	2590473	20.9	
S	82 Xylenes, Total	106			0		31.1	
	83 o-Xylene	106	20.414	20.414 0.0	94	1249103	10.3	
	84 Styrene	104	20.467	20.467 0.0	98	1989385	10.6	
	85 Bromoform	173	20.862	20.862 0.0	98	1504831	10.6	
	86 Isopropylbenzene	105	21.049	21.049 0.0	94	3567777	10.4	
$	87 4-Bromofluorobenzene	95	21.401	21.401 0.0	97	1964548	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.668	21.668 0.0	93	1725251	10.5	
	90 N-Propylbenzene	91	21.727	21.727 0.0	99	4187105	10.4	
	89 1,2,3-Trichloropropane	75	21.764	21.764 0.0	84	1283930	10.4	
	93 n-Decane	57	21.876	21.876 0.0	75	1405567	10.4	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.908	21.908	0.0	94	3738585	10.7
92 2-Chlorotoluene	91	21.924	21.924	0.0	95	2877864	10.6
94 1,3,5-Trimethylbenzene	105	22.010	22.010	0.0	93	3019837	10.4
95 Alpha Methyl Styrene	118	22.362	22.362	0.0	90	1608683	10.5
96 tert-Butylbenzene	119	22.479	22.479	0.0	91	2967315	10.3
97 1,2,4-Trimethylbenzene	105	22.570	22.570	0.0	95	3013132	10.4
98 sec-Butylbenzene	105	22.794	22.794	0.0	99	4367727	10.4
99 4-Isopropyltoluene	119	22.992	22.992	0.0	93	3840403	10.4
100 1,3-Dichlorobenzene	146	23.029	23.029	0.0	98	2244736	10.4
101 1,4-Dichlorobenzene	146	23.168	23.168	0.0	96	2241230	10.4
102 Benzyl chloride	91	23.376	23.376	0.0	99	2713993	10.6
103 n-Butylbenzene	91	23.579	23.579	0.0	96	3208309	10.7
104 Undecane	57	23.584	23.584	0.0	62	1343489	10.7
105 1,2-Dichlorobenzene	146	23.723	23.723	0.0	98	2084160	10.2
106 Dodecane	57	25.244	25.244	0.0	89	863185	7.29
107 1,2,4-Trichlorobenzene	180	26.354	26.354	0.0	93	1455384	10.1
108 Hexachlorobutadiene	225	26.541	26.541	0.0	95	1432742	10.5
109 Naphthalene	128	26.882	26.882	0.0	99	2335893	9.38
110 1,2,3-Trichlorobenzene	180	27.384	27.384	0.0	95	1167583	9.80

QC Flag Legend

Review Flags
M - Manually Integrated

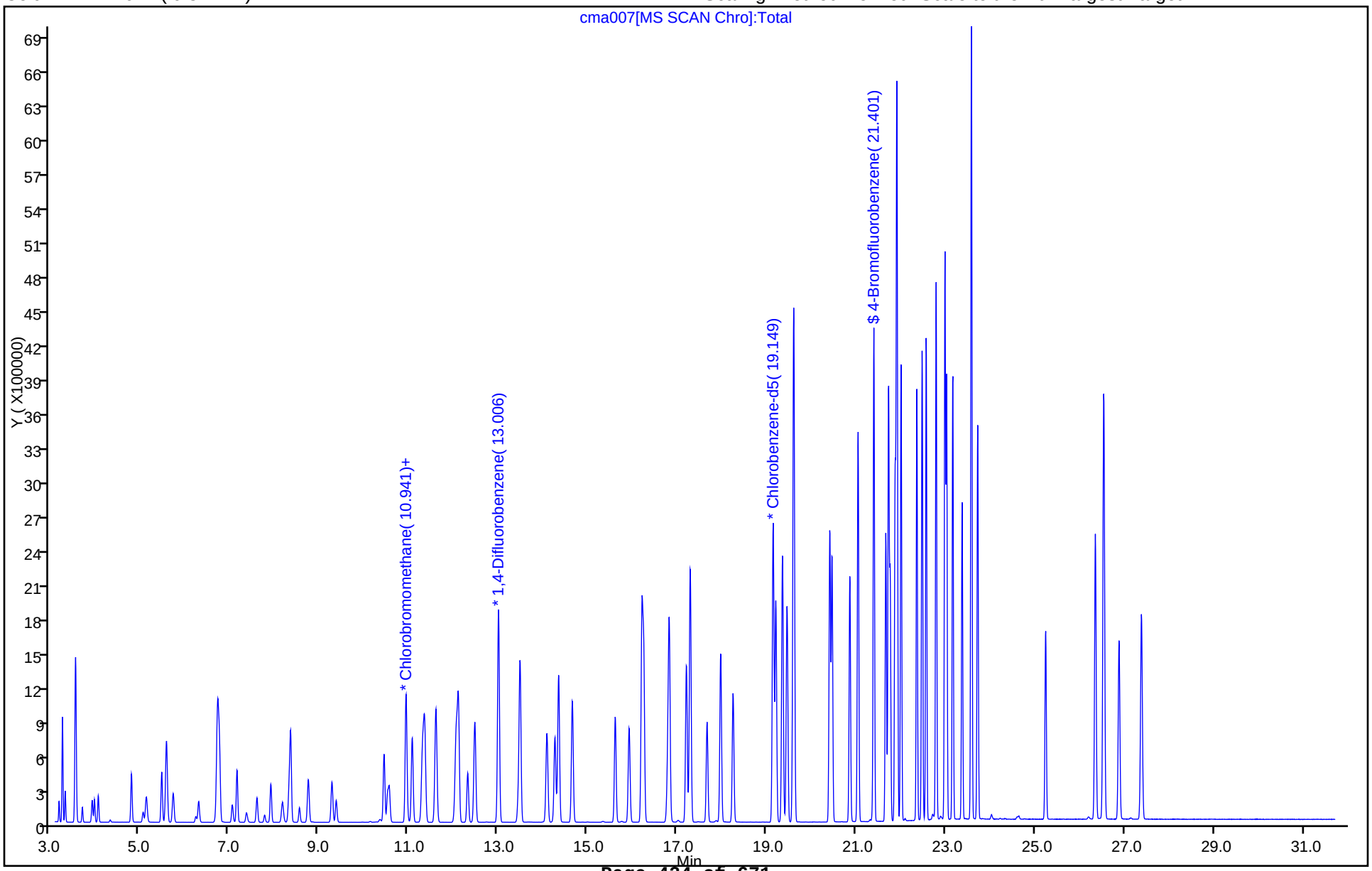
Report Date: 21-Jan-2014 12:21:49 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma007.D

Injection Date:	03-Jan-2014 13:12:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	icis	Lab Sample ID:	Client 200-66774/7-A	Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

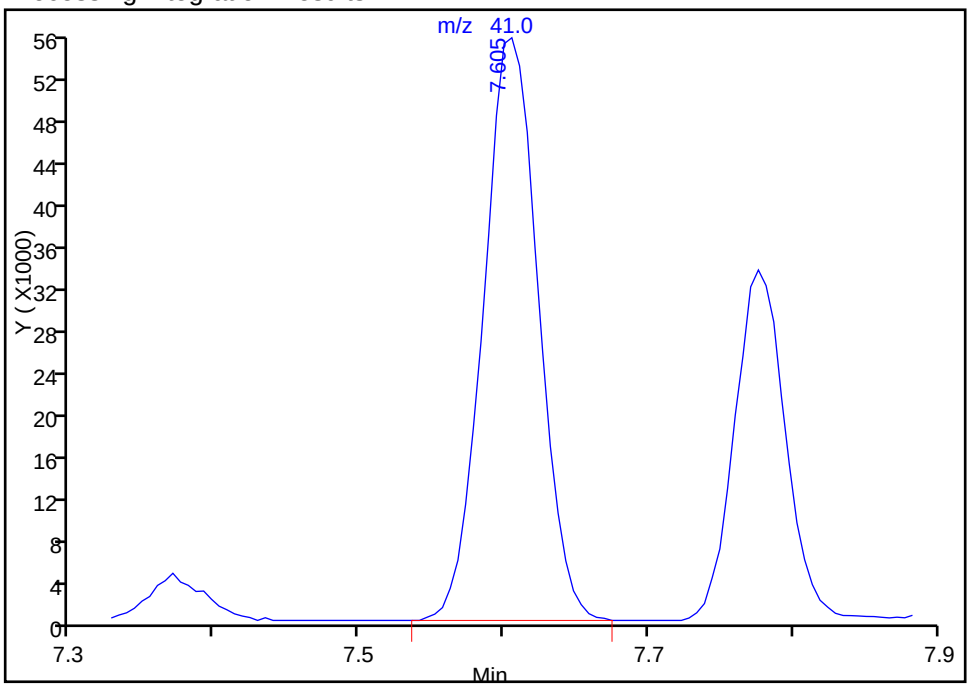
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma007.D				
Injection Date:	03-Jan-2014 13:12:30	Instrument ID:	CHC.i		
Lims ID:	icis	Lab Sample ID:	Client 200-66774/7-A		
Client ID:					
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

30 Acetonitrile, CAS: 75-05-8

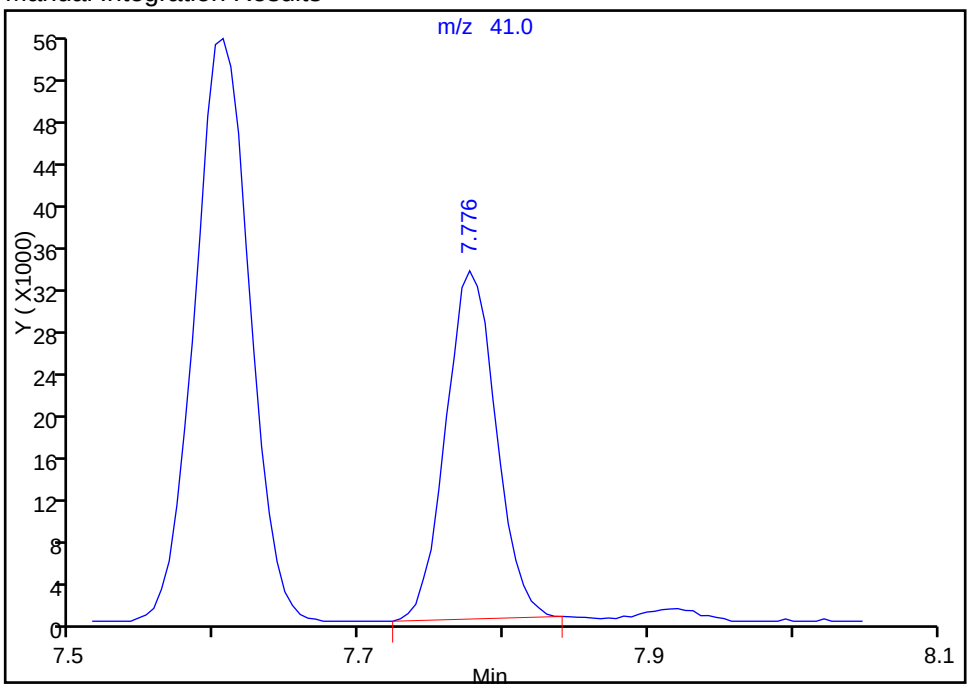
Processing Integration Results

RT: 7.61
Response: 148227
Amount: 9.963320



Manual Integration Results

RT: 7.78
Response: 80607
Amount: 7.015973



Reviewer: lyonsb, 14-Jan-2014 12:49:34
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma008.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 03-Jan-2014 14:04:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-008
Misc. Info.: ic
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:19:39 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.181	3.181	0.0	98	124122	13.8	
2 Dichlorodifluoromethane	85	3.256	3.256	0.0	99	1316189	14.5	
6 Chlorodifluoromethane	51	3.314	3.320	-0.006	81	392514	14.1	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.549	3.549	0.0	86	1368796	14.4	
8 Chloromethane	50	3.699	3.704	-0.005	88	197446	13.7	
9 Butane	43	3.918	3.918	0.0	96	294776	14.4	
10 Vinyl chloride	62	3.971	3.971	0.0	96	332260	14.6	
11 Butadiene	54	4.056	4.056	0.0	85	204506	14.1	
12 Bromomethane	94	4.798	4.798	0.0	99	507195	14.3	
13 Chloroethane	64	5.060	5.060	0.0	97	158262	14.2	
14 2-Methylbutane	43	5.129	5.134	-0.005	82	187359	13.2	
15 Vinyl bromide	106	5.476	5.476	0.0	98	645267	14.7	
16 Trichlorofluoromethane	101	5.583	5.583	0.0	96	1556335	14.5	
17 Pentane	43	5.732	5.732	0.0	93	346175	14.4	
19 Ethanol	45	6.234	6.239	-0.005	95	97367	20.0	
21 Ethyl ether	59	6.298	6.303	-0.005	79	234347	14.3	
22 Acrolein	56	6.719	6.719	0.0	95	106342	15.0	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.730	6.725	0.005	90	1153017	14.7	
24 1,1-Dichloroethene	96	6.767	6.773	-0.006	80	549125	14.7	
25 Acetone	43	7.050	7.056	-0.006	93	295444	14.0	
26 Carbon disulfide	76	7.157	7.157	0.0	97	1341038	14.3	
27 Isopropyl alcohol	45	7.376	7.371	0.005	98	237522	15.3	
29 3-Chloro-1-propene	41	7.605	7.605	0.0	71	213885	14.0	
30 Acetonitrile	41	7.605	7.776	-0.171	71	213885	18.1	
31 Methylene Chloride	49	7.915	7.915	0.0	67	242935	13.4	
32 2-Methyl-2-propanol	59	8.176	8.176	0.0	97	592633	15.2	
33 Methyl tert-butyl ether	73	8.331	8.331	0.0	92	1303626	14.6	
34 trans-1,2-Dichloroethene	61	8.363	8.358	0.005	75	501227	14.3	
35 Acrylonitrile	53	8.555	8.555	0.0	96	193356	14.4	
36 Hexane	57	8.753	8.758	-0.005	79	499690	14.3	
37 1,1-Dichloroethane	63	9.281	9.281	0.0	93	715112	14.4	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	38 Vinyl acetate	43	9.377	9.377 0.0	97	561708	14.9	
S	41 1,2-Dichloroethene, Total	61			0		29.1	
	39 cis-1,2-Dichloroethene	96	10.450	10.445 0.005	84	757771	14.8	
	40 2-Butanone (MEK)	72	10.530	10.530 0.0	98	276633	13.9	
	42 Ethyl acetate	88	10.562	10.562 0.0	96	64014	15.2	
*	43 Chlorobromomethane	128	10.936	10.936 0.0	63	539213	10.0	
	44 Tetrahydrofuran	42	10.946	10.952 -0.006	71	289349	14.6	
	45 Chloroform	83	11.080	11.080 0.0	98	1396759	14.7	
	46 Cyclohexane	84	11.309	11.304 0.005	70	1020592	14.7	
	47 1,1,1-Trichloroethane	97	11.352	11.352 0.0	92	1615260	14.7	
	48 Carbon tetrachloride	117	11.608	11.608 0.0	96	1828171	15.1	
	51 Isooctane	57	12.067	12.067 0.0	97	2570029	14.1	
	50 Benzene	78	12.115	12.110 0.005	93	2311015	14.4	
	52 1,2-Dichloroethane	62	12.318	12.318 0.0	98	814888	14.4	
	53 n-Heptane	43	12.478	12.478 0.0	71	704042	13.5	
*	54 1,4-Difluorobenzene	114	13.006	13.006 0.0	91	3083840	10.0	
	55 n-Butanol	56	13.449	13.449 0.0	75	349357	15.6	
	56 Trichloroethene	95	13.487	13.487 0.0	94	1233269	14.9	
A	57 GRO	1	13.505	5.124 - 21.886	0	254561458	0	
	58 1,2-Dichloropropane	63	14.090	14.090 0.0	93	864837	14.6	
	59 Methyl methacrylate	69	14.271	14.271 0.0	72	942825	15.1	
	60 1,4-Dioxane	88	14.330	14.335 -0.005	70	431565	15.7	
	61 Dibromomethane	174	14.357	14.351 0.006	91	1291367	15.8	
	62 Dichlorobromomethane	83	14.661	14.655 0.006	97	1896111	15.2	
A	63 TVOC as Toluene	1	15.282	3.171 - 27.394	0	505335030	3326.6	
	64 cis-1,3-Dichloropropene	75	15.621	15.616 0.005	84	1531995	15.2	
	65 4-Methyl-2-pentanone (MIBK)	43	15.926	15.926 0.0	85	1120828	14.3	
A	67 Toluene Range	1	16.214	16.174 -16.254	0	13972161	NC	
	66 Toluene	92	16.214	16.214 0.0	91	2196929	15.0	
A	69 C8 Range	1	16.251	16.201 -16.301	0	13972161	NC	
	68 n-Octane	43	16.251	16.251 0.0	73	1196735	13.5	
	70 trans-1,3-Dichloropropene	75	16.828	16.828 0.0	89	1573168	14.7	
	71 1,1,2-Trichloroethane	83	17.212	17.212 0.0	93	1001770	15.0	
	72 Tetrachloroethene	166	17.297	17.297 0.0	94	2031274	15.9	
	73 2-Hexanone	43	17.671	17.671 0.0	83	1100791	14.3	
	74 Chlorodibromomethane	129	17.975	17.975 0.0	96	2252964	15.9	
	75 Ethylene Dibromide	107	18.252	18.252 0.0	99	2013934	15.5	
*	76 Chlorobenzene-d5	117	19.149	19.149 0.0	79	2972206	10.0	
	77 Chlorobenzene	112	19.208	19.208 0.0	97	3180517	15.4	
	78 Ethylbenzene	91	19.357	19.357 0.0	96	4757073	15.1	
	79 n-Nonane	57	19.459	19.459 0.0	77	1689974	14.1	
	81 m-Xylene & p-Xylene	106	19.608	19.608 0.0	98	4062425	31.0	
S	82 Xylenes, Total	106			0		46.4	
	83 o-Xylene	106	20.419	20.414 0.005	95	1965912	15.4	
	84 Styrene	104	20.467	20.467 0.0	98	3168626	16.1	
	85 Bromoform	173	20.862	20.862 0.0	98	2455409	16.5	
	86 Isopropylbenzene	105	21.049	21.049 0.0	93	5608554	15.5	
$	87 4-Bromofluorobenzene	95	21.401	21.401 0.0	98	2030403	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.668	21.668 0.0	96	2623603	15.1	
	90 N-Propylbenzene	91	21.732	21.727 0.005	99	6477530	15.3	
	89 1,2,3-Trichloropropane	75	21.764	21.764 0.0	87	1917898	14.8	
	93 n-Decane	57	21.876	21.876 0.0	73	2025555	14.3	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
91	4-Ethyltoluene	105	21.908	21.908	0.0	95	5776169	15.7	
92	2-Chlorotoluene	91	21.924	21.924	0.0	94	4356577	15.3	
94	1,3,5-Trimethylbenzene	105	22.010	22.010	0.0	94	4774950	15.5	
95	Alpha Methyl Styrene	118	22.362	22.362	0.0	90	2659502	16.4	
96	tert-Butylbenzene	119	22.479	22.479	0.0	91	4734472	15.6	
97	1,2,4-Trimethylbenzene	105	22.570	22.570	0.0	95	4796792	15.7	
98	sec-Butylbenzene	105	22.794	22.794	0.0	98	6896883	15.5	
99	4-Isopropyltoluene	119	22.992	22.992	0.0	96	6185335	15.9	
100	1,3-Dichlorobenzene	146	23.029	23.029	0.0	99	3645061	16.0	
101	1,4-Dichlorobenzene	146	23.168	23.168	0.0	96	3650630	16.1	
102	Benzyl chloride	91	23.376	23.376	0.0	99	4209069	15.6	
103	n-Butylbenzene	91	23.579	23.579	0.0	96	4845205	15.3	
104	Undecane	57	23.584	23.584	0.0	82	2059120	15.5	
105	1,2-Dichlorobenzene	146	23.723	23.723	0.0	98	3393031	15.8	
106	Dodecane	57	25.244	25.244	0.0	86	2347257	18.8	
107	1,2,4-Trichlorobenzene	180	26.354	26.354	0.0	93	2901798	19.2	
108	Hexachlorobutadiene	225	26.541	26.541	0.0	96	2494911	17.4	
109	Naphthalene	128	26.882	26.882	0.0	99	5823598	22.2	
110	1,2,3-Trichlorobenzene	180	27.384	27.384	0.0	96	2497503	19.9	

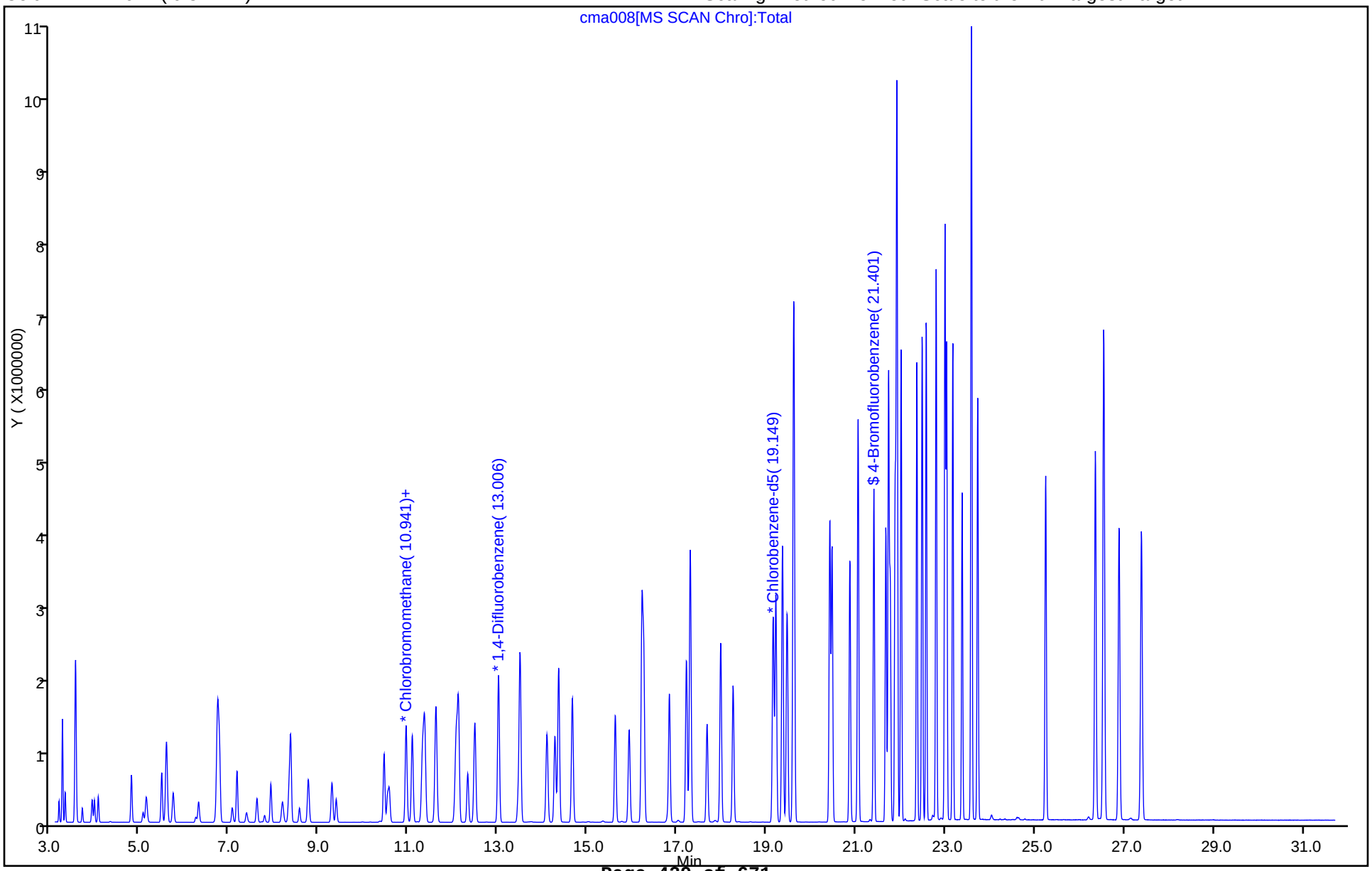
Report Date: 21-Jan-2014 12:19:40 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma008.D

Injection Date:	03-Jan-2014 14:04:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma009.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 03-Jan-2014 14:56:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-009
Misc. Info.: ic
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:19:41 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.176	3.181	-0.005	98	157143	17.1	
2 Dichlorodifluoromethane	85	3.256	3.256	0.0	98	1754058	18.9	
6 Chlorodifluoromethane	51	3.314	3.320	-0.006	95	521868	18.3	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.544	3.549	-0.005	85	1818253	18.6	
8 Chloromethane	50	3.699	3.704	-0.005	99	261114	17.7	
9 Butane	43	3.918	3.918	0.0	96	366810	17.4	
10 Vinyl chloride	62	3.971	3.971	0.0	96	445864	19.1	
11 Butadiene	54	4.056	4.056	0.0	85	273104	18.4	
12 Bromomethane	94	4.798	4.798	0.0	99	684801	18.8	
13 Chloroethane	64	5.060	5.060	0.0	95	210748	18.4	
14 2-Methylbutane	43	5.129	5.134	-0.005	82	244772	16.9	
15 Vinyl bromide	106	5.476	5.476	0.0	98	868559	19.3	
16 Trichlorofluoromethane	101	5.583	5.583	0.0	97	2102105	19.2	
17 Pentane	43	5.732	5.732	0.0	93	434342	17.7	
19 Ethanol	45	6.239	6.239	0.0	95	186347	37.3	
21 Ethyl ether	59	6.298	6.303	-0.005	77	312120	18.6	
22 Acrolein	56	6.719	6.719	0.0	95	132544	18.2	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.725	6.725	0.0	91	1548857	19.2	
24 1,1-Dichloroethene	96	6.767	6.773	-0.006	81	738974	19.3	
25 Acetone	43	7.050	7.056	-0.006	93	391172	18.1	
26 Carbon disulfide	76	7.157	7.157	0.0	97	1793102	18.6	
27 Isopropyl alcohol	45	7.376	7.371	0.005	98	286886	18.0	
29 3-Chloro-1-propene	41	7.605	7.605	0.0	72	285868	18.2	
30 Acetonitrile	41	7.605	7.776	-0.171	71	285861	23.6	
31 Methylene Chloride	49	7.915	7.915	0.0	67	320938	17.3	
32 2-Methyl-2-propanol	59	8.176	8.176	0.0	97	742921	18.7	
33 Methyl tert-butyl ether	73	8.331	8.331	0.0	92	1740821	19.1	
34 trans-1,2-Dichloroethene	61	8.363	8.358	0.005	75	666324	18.5	
35 Acrylonitrile	53	8.555	8.555	0.0	95	254226	18.5	
36 Hexane	57	8.753	8.758	-0.005	79	641670	17.9	
37 1,1-Dichloroethane	63	9.281	9.281	0.0	98	963481	19.0	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	38 Vinyl acetate	43	9.377	9.377 0.0	97	745535	19.3	
S	41 1,2-Dichloroethene, Total	61			0		38.2	
	39 cis-1,2-Dichloroethene	96	10.450	10.445 0.005	77	1028480	19.6	
	40 2-Butanone (MEK)	72	10.525	10.530 -0.005	98	370305	18.2	
	42 Ethyl acetate	88	10.567	10.562 0.005	97	86361	20.0	
*	43 Chlorobromomethane	128	10.936	10.936 0.0	62	552282	10.0	
	44 Tetrahydrofuran	42	10.946	10.952 -0.006	71	371828	18.0	
	45 Chloroform	83	11.080	11.080 0.0	98	1893294	19.5	
	46 Cyclohexane	84	11.309	11.304 0.005	69	1378482	19.1	
	47 1,1,1-Trichloroethane	97	11.352	11.352 0.0	91	2209737	19.4	
	48 Carbon tetrachloride	117	11.608	11.608 0.0	95	2532074	20.2	
	51 Isooctane	57	12.067	12.067 0.0	97	3374963	17.8	
	50 Benzene	78	12.115	12.110 0.005	91	3118954	18.8	
	52 1,2-Dichloroethane	62	12.318	12.318 0.0	98	1104020	18.8	
	53 n-Heptane	43	12.478	12.478 0.0	73	900677	16.7	
*	54 1,4-Difluorobenzene	114	13.006	13.006 0.0	91	3202110	10.0	
	55 n-Butanol	56	13.444	13.449 -0.005	75	425996	18.4	
	56 Trichloroethene	95	13.492	13.487 0.005	92	1714473	20.0	
A	57 GRO	1	13.505	5.124 - 21.886	0	355836451	0	
	58 1,2-Dichloropropane	63	14.090	14.090 0.0	93	1163175	18.9	
	59 Methyl methacrylate	69	14.266	14.271 -0.005	71	1286318	19.9	
	60 1,4-Dioxane	88	14.335	14.335 0.0	69	543037	19.0	
	61 Dibromomethane	174	14.357	14.351 0.005	89	1868268	22.0	
	62 Dichlorobromomethane	83	14.661	14.655 0.006	97	2602704	20.1	
A	63 TVOC as Toluene	1	15.282	3.171 - 27.394	0	682507550	4327.0	
	64 cis-1,3-Dichloropropene	75	15.621	15.616 0.005	82	2100471	20.1	
	65 4-Methyl-2-pentanone (MIBK)	43	15.926	15.926 0.0	83	1456998	17.9	
A	67 Toluene Range	1	16.214	16.174 - 16.254	0	18777183	NC	
	66 Toluene	92	16.214	16.214 0.0	90	3047441	20.0	
A	69 C8 Range	1	16.251	16.201 - 16.301	0	18777183	NC	
	68 n-Octane	43	16.256	16.251 0.005	70	1508661	16.4	
	70 trans-1,3-Dichloropropene	75	16.827	16.828 -0.001	88	2165511	19.5	
	71 1,1,2-Trichloroethane	83	17.212	17.212 0.0	93	1377991	19.8	
	72 Tetrachloroethene	166	17.297	17.297 0.0	94	2943208	22.1	
	73 2-Hexanone	43	17.671	17.671 0.0	82	1421043	17.7	
	74 Chlorodibromomethane	129	17.975	17.975 0.0	96	3201569	21.7	
	75 Ethylene Dibromide	107	18.252	18.252 0.0	98	2831746	20.9	
*	76 Chlorobenzene-d5	117	19.149	19.149 0.0	69	3100545	10.0	
	77 Chlorobenzene	112	19.213	19.208 0.005	97	4487860	20.8	
	78 Ethylbenzene	91	19.357	19.357 0.0	96	6600852	20.1	
	79 n-Nonane	57	19.464	19.459 0.005	76	2202089	17.6	
	81 m-Xylene & p-Xylene	106	19.608	19.608 0.0	98	5638403	41.3	
S	82 Xylenes, Total	106			0		62.0	
	83 o-Xylene	106	20.419	20.414 0.005	95	2761754	20.7	
	84 Styrene	104	20.467	20.467 0.0	98	4439325	21.6	
	85 Bromoform	173	20.862	20.862 0.0	98	3519944	22.6	
	86 Isopropylbenzene	105	21.049	21.049 0.0	93	7793634	20.6	
$	87 4-Bromofluorobenzene	95	21.401	21.401 0.0	99	2070634	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.668	21.668 0.0	95	3513658	19.4	
	90 N-Propylbenzene	91	21.732	21.727 0.005	98	8773755	19.8	
	89 1,2,3-Trichloropropane	75	21.764	21.764 0.0	84	2542638	18.8	
	93 n-Decane	57	21.876	21.876 0.0	72	2516659	17.0	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.908	21.908	0.0	95	7768139	20.2
92 2-Chlorotoluene	91	21.924	21.924	0.0	94	5760441	19.4
94 1,3,5-Trimethylbenzene	105	22.010	22.010	0.0	94	6588946	20.6
95 Alpha Methyl Styrene	118	22.362	22.362	0.0	90	3717362	22.0
96 tert-Butylbenzene	119	22.479	22.479	0.0	92	6618459	20.9
97 1,2,4-Trimethylbenzene	105	22.575	22.570	0.005	94	6583826	20.6
98 sec-Butylbenzene	105	22.794	22.794	0.0	98	9466258	20.4
99 4-Isopropyltoluene	119	22.992	22.992	0.0	94	8607057	21.2
100 1,3-Dichlorobenzene	146	23.029	23.029	0.0	98	5071291	21.4
101 1,4-Dichlorobenzene	146	23.168	23.168	0.0	96	5081191	21.4
102 Benzyl chloride	91	23.376	23.376	0.0	99	5672247	20.2
103 n-Butylbenzene	91	23.579	23.579	0.0	96	6241306	18.9
104 Undecane	57	23.589	23.584	0.005	80	2416563	17.5
105 1,2-Dichlorobenzene	146	23.723	23.723	0.0	99	4730576	21.2
106 Dodecane	57	25.244	25.244	0.0	85	2834400	21.8
107 1,2,4-Trichlorobenzene	180	26.354	26.354	0.0	92	3767518	23.9
108 Hexachlorobutadiene	225	26.541	26.541	0.0	95	3451475	23.0
109 Naphthalene	128	26.882	26.882	0.0	99	6513834	23.8
110 1,2,3-Trichlorobenzene	180	27.384	27.384	0.0	96	3180482	24.3

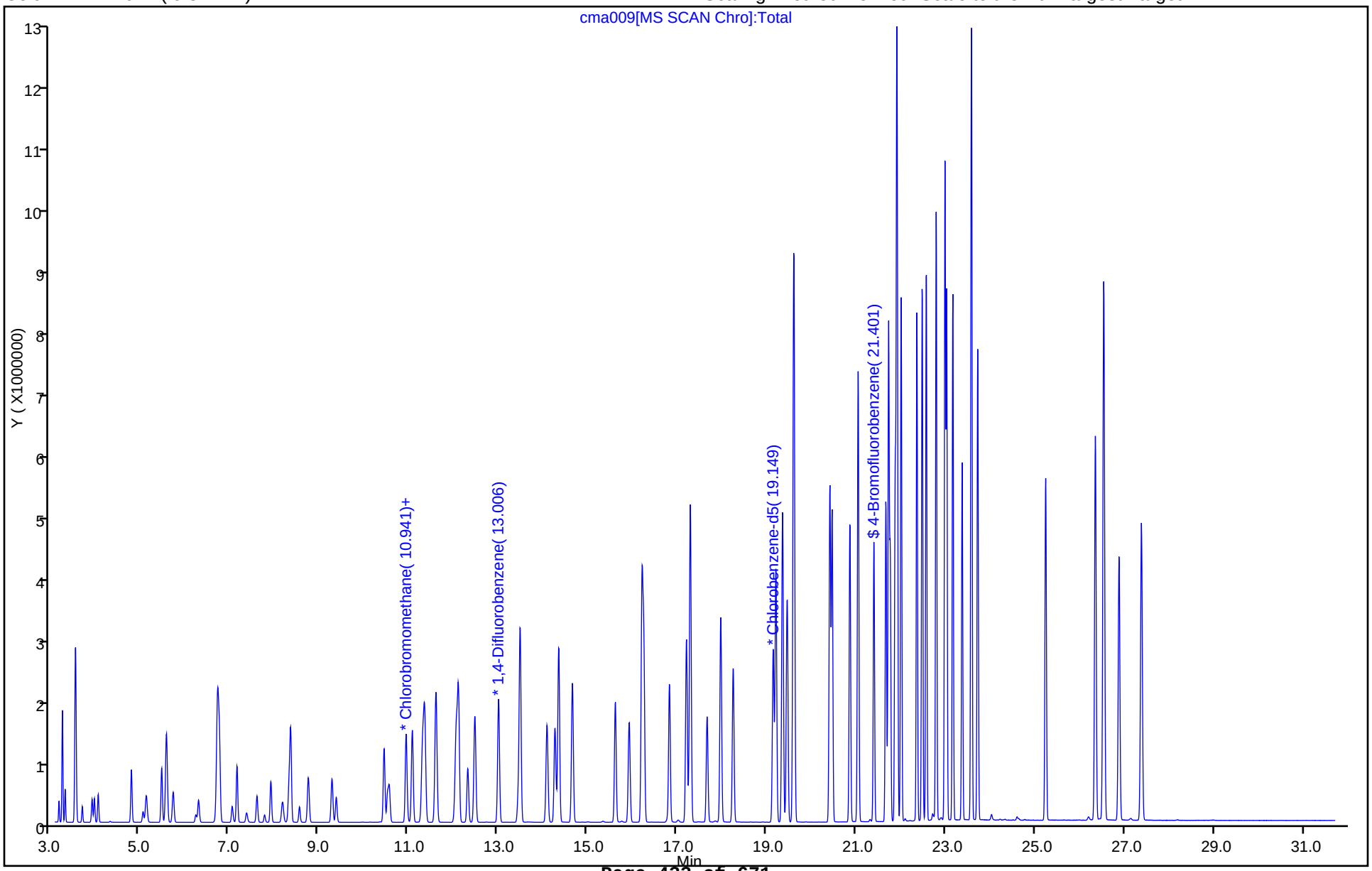
Report Date: 21-Jan-2014 12:19:42 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma009.D

Injection Date:	03-Jan-2014 14:56:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 21-Jan-2014 12:19:44 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 03-Jan-2014 15:48:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-010
Misc. Info.: ic
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:19:43 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: lyonsb Date: 14-Jan-2014 12:52:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.176	3.181	-0.005	98	298655	31.9	
2 Dichlorodifluoromethane	85	3.250	3.256	-0.006	98	3315356	35.0	
6 Chlorodifluoromethane	51	3.314	3.320	-0.006	95	988759	33.9	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.544	3.549	-0.005	85	3393002	34.1	
8 Chloromethane	50	3.699	3.704	-0.005	98	499671	33.3	
9 Butane	43	3.918	3.918	0.0	96	693094	32.3	
10 Vinyl chloride	62	3.966	3.971	-0.005	98	846985	35.6	
11 Butadiene	54	4.056	4.056	0.0	85	523834	34.5	
12 Bromomethane	94	4.798	4.798	0.0	99	1326169	35.7	
13 Chloroethane	64	5.060	5.060	0.0	97	411528	35.2	
14 2-Methylbutane	43	5.129	5.134	-0.005	82	466708	31.5	
15 Vinyl bromide	106	5.476	5.476	0.0	98	1680461	36.6	
16 Trichlorofluoromethane	101	5.583	5.583	0.0	97	4053828	36.3	
17 Pentane	43	5.732	5.732	0.0	93	823720	32.9	
19 Ethanol	45	6.244	6.239	0.005	98	432862	84.9	
21 Ethyl ether	59	6.298	6.303	-0.005	79	596037	34.8	
22 Acrolein	56	6.714	6.719	-0.005	95	248766	33.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.725	6.725	0.0	88	2917761	35.5	
24 1,1-Dichloroethene	96	6.773	6.773	0.0	79	1389925	35.6	
25 Acetone	43	7.050	7.056	-0.006	93	733792	33.3	
26 Carbon disulfide	76	7.157	7.157	0.0	97	3422690	34.8	
27 Isopropyl alcohol	45	7.381	7.371	0.010	98	557249	34.4	
29 3-Chloro-1-propene	41	7.605	7.605	0.0	71	547043	34.2	
30 Acetonitrile	41	7.605	7.776	-0.171	71	547029	44.3	
31 Methylene Chloride	49	7.915	7.915	0.0	67	614488	32.4	
32 2-Methyl-2-propanol	59	8.182	8.176	0.006	97	1431100	35.2	
33 Methyl tert-butyl ether	73	8.331	8.331	0.0	92	3327207	35.8	
34 trans-1,2-Dichloroethene	61	8.363	8.358	0.005	75	1245123	34.0	
35 Acrylonitrile	53	8.555	8.555	0.0	95	499532	35.7	
36 Hexane	57	8.753	8.758	-0.005	79	1221057	33.4	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	9.286	9.281	0.005	98	1848529	35.7
38 Vinyl acetate	43	9.377	9.377	0.0	97	1441251	36.6
S 41 1,2-Dichloroethene, Total	61				0		71.4
39 cis-1,2-Dichloroethene	96	10.450	10.445	0.005	83	2001034	37.4
40 2-Butanone (MEK)	72	10.525	10.530	-0.005	98	706139	34.0
42 Ethyl acetate	88	10.567	10.562	0.005	96	165484	37.6
* 43 Chlorobromomethane	128	10.941	10.936	0.005	62	563318	10.0
44 Tetrahydrofuran	42	10.946	10.952	-0.006	71	708235	33.7
45 Chloroform	83	11.080	11.080	0.0	98	3646312	36.7
46 Cyclohexane	84	11.309	11.304	0.005	77	2636392	35.8
47 1,1,1-Trichloroethane	97	11.357	11.352	0.005	90	4276728	36.8
48 Carbon tetrachloride	117	11.608	11.608	0.0	95	4988641	39.0
51 Isooctane	57	12.067	12.067	0.0	97	6155007	31.9
50 Benzene	78	12.115	12.110	0.005	92	5893988	34.8
52 1,2-Dichloroethane	62	12.323	12.318	0.005	98	2131827	35.7
53 n-Heptane	43	12.483	12.478	0.005	70	1619771	29.4
* 54 1,4-Difluorobenzene	114	13.012	13.006	0.006	91	3264122	10.0
55 n-Butanol	56	13.449	13.449	0.0	75	798972	33.8
56 Trichloroethene	95	13.492	13.487	0.005	90	3345512	38.3
A 57 GRO	1	13.505	5.124 - 21.886		0	674313855	0
58 1,2-Dichloropropane	63	14.095	14.090	0.005	92	2197076	35.0
59 Methyl methacrylate	69	14.271	14.271	0.0	69	2468173	37.4
60 1,4-Dioxane	88	14.335	14.335	0.0	67	999017	34.3
61 Dibromomethane	174	14.356	14.351	0.005	86	3885444	44.8
62 Dichlorobromomethane	83	14.661	14.655	0.006	97	5051043	38.3
A 63 TVOC as Toluene	1	15.282	3.171 - 27.394		0	1232620165	7666.2
64 cis-1,3-Dichloropropene	75	15.621	15.616	0.005	82	4095202	38.4
65 4-Methyl-2-pentanone (MIBK)	43	15.931	15.926	0.005	82	2646426	31.9
A 67 Toluene Range	1	16.214	16.174 - 16.254		0	34655130	NC
66 Toluene	92	16.219	16.214	0.005	93	5885894	37.7
A 69 C8 Range	1	16.251	16.201 - 16.301		0	34655130	NC
68 n-Octane	43	16.256	16.251	0.005	67	2499868	26.6
70 trans-1,3-Dichloropropene	75	16.833	16.828	0.005	87	4222649	37.4
71 1,1,2-Trichloroethane	83	17.212	17.212	0.0	91	2648591	37.3
72 Tetrachloroethene	166	17.297	17.297	0.0	92	6064560	44.4
73 2-Hexanone	43	17.676	17.671	0.005	80	2552778	31.1
74 Chlorodibromomethane	129	17.980	17.975	0.005	94	6521503	43.1
75 Ethylene Dibromide	107	18.258	18.252	0.006	99	5581701	40.3
* 76 Chlorobenzene-d5	117	19.149	19.149	0.0	66	3171881	10.0
77 Chlorobenzene	112	19.213	19.208	0.005	96	8980350	40.7
78 Ethylbenzene	91	19.363	19.357	0.005	95	12725806	38.0
79 n-Nonane	57	19.464	19.459	0.005	73	3797852	29.6
81 m-Xylene & p-Xylene	106	19.613	19.608	0.005	97	10635110	76.2
S 82 Xylenes, Total	106				0		115.9
83 o-Xylene	106	20.419	20.414	0.005	95	5425653	39.7
84 Styrene	104	20.473	20.467	0.006	97	8738808	41.5
85 Bromoform	173	20.868	20.862	0.006	97	7156617	44.9
86 Isopropylbenzene	105	21.054	21.049	0.005	92	15060699	38.9
$ 87 4-Bromofluorobenzene	95	21.401	21.401	0.0	98	2088472	NC
88 1,1,2,2-Tetrachloroethane	83	21.673	21.668	0.005	94	6341028	34.3
90 N-Propylbenzene	91	21.732	21.727	0.005	98	15953282	35.2
89 1,2,3-Trichloropropane	75	21.769	21.764	0.005	87	4522411	32.7

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane	57	21.882	21.876	0.006	69	3831625	25.3
91 4-Ethyltoluene	105	21.914	21.908	0.006	94	13281490	33.7
92 2-Chlorotoluene	91	21.930	21.924	0.006	93	9701240	31.9
94 1,3,5-Trimethylbenzene	105	22.015	22.010	0.005	94	12465448	38.0
95 Alpha Methyl Styrene	118	22.367	22.362	0.005	90	7357313	42.6
96 tert-Butylbenzene	119	22.485	22.479	0.006	92	12795874	39.6
97 1,2,4-Trimethylbenzene	105	22.575	22.570	0.005	94	12436082	38.1
98 sec-Butylbenzene	105	22.794	22.794	0.0	98	17583772	37.1
99 4-Isopropyltoluene	119	22.992	22.992	0.0	94	16048695	38.6
100 1,3-Dichlorobenzene	146	23.029	23.029	0.0	98	9939069	41.0
101 1,4-Dichlorobenzene	146	23.168	23.168	0.0	96	10088897	41.6
102 Benzyl chloride	91	23.376	23.376	0.0	99	10939788	38.1
103 n-Butylbenzene	91	23.579	23.579	0.0	95	10038946	29.8
104 Undecane	57	23.589	23.584	0.005	78	3244490	22.9
105 1,2-Dichlorobenzene	146	23.728	23.723	0.005	99	9530424	41.7
106 Dodecane	57	25.244	25.244	0.0	85	2587541	19.4
107 1,2,4-Trichlorobenzene	180	26.354	26.354	0.0	92	6153908	38.1
108 Hexachlorobutadiene	225	26.541	26.541	0.0	95	4692774	30.6
109 Naphthalene	128	26.888	26.882	0.006	99	12259209	43.8
110 1,2,3-Trichlorobenzene	180	27.384	27.384	0.0	96	4201320	31.4

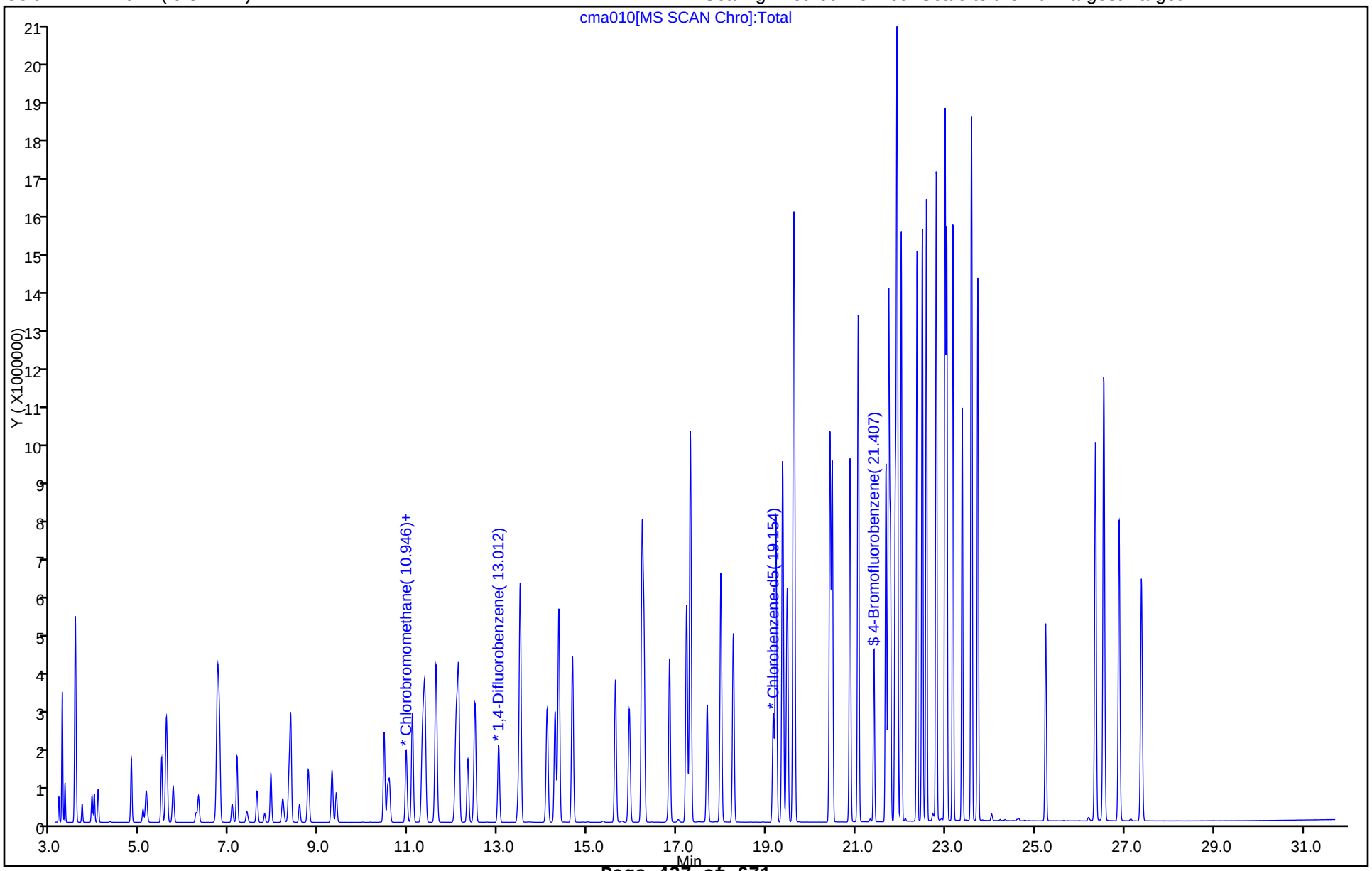
Report Date: 21-Jan-2014 12:19:44 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Injection Date:	03-Jan-2014 15:48:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab Sample ID: ICV 200-66774/13 Calibration Date: 01/03/2014 17:25

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: cma013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.1663	0.1489		8.95	10.0	-10.5	30.0
Freon 12	Ave	1.683	1.689		10.0	10.0	0.4	30.0
Freon 22	Ave	0.5176	0.4976		9.61	10.0	-3.9	30.0
Freon-114	Ave	1.767	1.775		10.0	10.0	0.4	30.0
Chloromethane	Ave	0.2664	0.2504		9.40	10.0	-6.0	30.0
n-Butane	Ave	0.3806	0.3486		9.16	10.0	-8.4	30.0
Vinyl chloride	Ave	0.4224	0.4283		10.1	10.0	1.4	30.0
1,3-Butadiene	Ave	0.2692	0.2708		10.1	10.0	0.6	30.0
Bromomethane	Ave	0.6591	0.6487		9.84	10.0	-1.6	30.0
Chloroethane	Ave	0.2073	0.2038		9.83	10.0	-1.7	30.0
Isopentane	Ave	0.2627	0.2370		9.02	10.0	-9.8	30.0
Vinyl bromide	Ave	0.8147	0.8554		10.5	10.0	5.0	30.0
Freon 11	Ave	1.985	2.031		10.2	10.0	2.3	30.0
n-Pentane	Ave	0.4446	0.4132		9.29	10.0	-7.1	30.0
Ethanol	Ave	0.0905	0.0895		14.8	15.0	-1.1	30.0
Ethyl ether	Ave	0.3038	0.2851		9.38	10.0	-6.1	30.0
Acrolein	Ave	0.1319	0.0950		7.20	10.0	-28.0	30.0
Freon 113	Ave	1.460	1.625		11.1	10.0	11.3	30.0
1,1-Dichloroethene	Ave	0.6933	0.7855		11.3	10.0	13.3	30.0
Acetone	Ave	0.3906	0.3876		9.92	10.0	-0.8	30.0
Carbon disulfide	Ave	1.745	1.748		10.0	10.0	0.2	30.0
Isopropyl alcohol	Ave	0.2879	0.2706		9.40	10.0	-6.0	30.0
Allyl chloride	Ave	0.2838	0.2647		9.33	10.0	-6.7	30.0
Acetonitrile	Ave	0.2192	0.1424		6.49	10.0	-35.0*	30.0
Methylene Chloride	Ave	0.3364	0.3338		9.92	10.0	-0.8	30.0
tert-Butyl alcohol	Ave	0.7211	0.7018		9.73	10.0	-2.7	30.0
Methyl tert-butyl ether	Ave	1.651	1.691		10.2	10.0	2.4	30.0
trans-1,2-Dichloroethene	Ave	0.6505	0.6439		9.90	10.0	-1.0	30.0
Acrylonitrile	Ave	0.2482	0.2422		9.76	10.0	-2.4	30.0
Hexane	Ave	0.6489	0.6252		9.63	10.0	-3.7	30.0
1,1-Dichloroethane	Ave	0.9199	0.9289		10.1	10.0	1.0	30.0
Vinyl acetate	Ave	0.6999	0.6801		9.72	10.0	-2.8	30.0
cis-1,2-Dichloroethene	Ave	0.9487	1.021		10.8	10.0	7.6	30.0
Methyl Ethyl Ketone	Ave	0.3688	0.3581		9.71	10.0	-2.9	30.0
Ethyl acetate	Ave	0.0780	0.0824		10.6	10.0	5.5	30.0
Tetrahydrofuran	Ave	0.0644	0.0598		9.28	10.0	-7.1	30.0
Chloroform	Ave	1.762	1.830		10.4	10.0	3.8	30.0
Cyclohexane	Ave	0.2258	0.2287		10.1	10.0	1.3	30.0
1,1,1-Trichloroethane	Ave	0.3561	0.3592		10.1	10.0	0.9	30.0
Carbon tetrachloride	Ave	0.3919	0.4078		10.4	10.0	4.0	30.0
2,2,4-Trimethylpentane	Ave	0.5912	0.5645		9.55	10.0	-4.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab Sample ID: ICV 200-66774/13 Calibration Date: 01/03/2014 17:25

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: cma013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5194	0.5185		9.98	10.0	-0.2	30.0
1,2-Dichloroethane	Ave	0.1831	0.1791		9.78	10.0	-2.2	30.0
Heptane	Ave	0.1688	0.1510		8.94	10.0	-10.6	30.0
n-Butanol	Ave	0.0724	0.0636		8.78	10.0	-12.2	30.0
Trichloroethene	Ave	0.2679	0.2831		10.6	10.0	5.7	30.0
1,2-Dichloropropane	Ave	0.1923	0.1871		9.72	10.0	-2.7	30.0
Methyl methacrylate	Ave	0.2021	0.2073		10.3	10.0	2.6	30.0
1,4-Dioxane	Ave	0.0894	0.0830		9.29	10.0	-7.1	30.0
Dibromomethane	Ave	0.2658	0.3034		11.4	10.0	14.2	30.0
Bromodichloromethane	Ave	0.4044	0.4367		10.8	10.0	8.0	30.0
cis-1,3-Dichloropropene	Ave	0.3270	0.3340		10.2	10.0	2.1	30.0
methyl isobutyl ketone	Ave	0.2538	0.2414		9.51	10.0	-4.9	30.0
Toluene	Ave	0.4926	0.5157		10.5	10.0	4.7	30.0
n-Octane	Ave	0.2879	0.2596		9.01	10.0	-9.8	30.0
trans-1,3-Dichloropropene	Ave	0.3463	0.3375		9.74	10.0	-2.5	30.0
1,1,2-Trichloroethane	Ave	0.2241	0.2231		9.95	10.0	-0.5	30.0
Tetrachloroethene	Ave	0.4302	0.4779		11.1	10.0	11.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2588	0.2430		9.39	10.0	-6.1	30.0
Dibromochloromethane	Ave	0.4767	0.5466		11.5	10.0	14.7	30.0
1,2-Dibromoethane	Ave	0.4366	0.4617		10.6	10.0	5.8	30.0
Chlorobenzene	Ave	0.6963	0.7382		10.6	10.0	6.0	30.0
Ethylbenzene	Ave	1.057	1.107		10.5	10.0	4.7	30.0
n-Nonane	Ave	0.4044	0.3871		9.57	10.0	-4.3	30.0
m,p-Xylene	Ave	0.4403	0.4698		21.3	20.0	6.7	30.0
Xylene, o-	Ave	0.4307	0.4513		10.5	10.0	4.8	30.0
Styrene	Ave	0.6632	0.7234		10.9	10.0	9.1	30.0
Bromoform	Ave	0.5021	0.5833		11.6	10.0	16.2	30.0
Cumene	Ave	1.220	1.321		10.8	10.0	8.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5833	0.5842		10.0	10.0	0.1	30.0
n-Propylbenzene	Ave	1.429	1.507		10.5	10.0	5.5	30.0
1,2,3-Trichloropropane	Ave	0.4358	0.4424		10.2	10.0	1.5	30.0
n-Decane	Ave	0.4770	0.4685		9.82	10.0	-1.8	30.0
4-Ethyltoluene	Ave	1.242	1.371		11.0	10.0	10.4	30.0
2-Chlorotoluene	Ave	0.9591	1.036		10.8	10.0	8.0	30.0
1,3,5-Trimethylbenzene	Ave	1.034	1.090		10.5	10.0	5.4	30.0
Alpha Methyl Styrene	Ave	0.5445	0.6078		11.2	10.0	11.6	30.0
tert-Butylbenzene	Ave	1.020	1.117		11.0	10.0	9.6	30.0
1,2,4-Trimethylbenzene	Ave	1.030	1.063		10.3	10.0	3.2	30.0
sec-Butylbenzene	Ave	1.495	1.611		10.8	10.0	7.7	30.0
4-Isopropyltoluene	Ave	1.311	1.441		11.0	10.0	9.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab Sample ID: ICV 200-66774/13 Calibration Date: 01/03/2014 17:25

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: cma013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.7644	0.7943		10.4	10.0	3.9	30.0
1,4-Dichlorobenzene	Ave	0.7647	0.7918		10.4	10.0	3.5	30.0
Benzyl chloride	Ave	0.9052	0.7462		8.24	10.0	-17.6	30.0
n-Butylbenzene	Ave	1.063	1.129		10.6	10.0	6.3	30.0
n-Undecane	Ave	0.4458	0.4833		10.8	10.0	8.4	30.0
1,2-Dichlorobenzene	Ave	0.7209	0.7277		10.1	10.0	0.9	30.0
n-Dodecane	Ave	0.4199	0.4988		11.9	10.0	18.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5087	0.5856		11.5	10.0	15.1	30.0
Hexachloro-1,3-butadiene	Ave	0.4833	0.5384		11.1	10.0	11.4	30.0
Naphthalene	Ave	0.8822	1.219		13.8	10.0	38.1*	30.0
1,2,3-Trichlorobenzene	Ave	0.4221	0.5573		13.2	10.0	32.0*	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma013.D
Lims ID: icv Lab Sample ID: ICV 200-66776/13-A
Client ID:
Sample Type: ICV
Inject. Date: 03-Jan-2014 17:25:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-013
Misc. Info.: icv
Operator ID: pad Instrument ID: CHC.i
Sublist:

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:23:35 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: lyonsb Date: 21-Jan-2014 12:23:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.186	3.181	0.005	98	81134	8.95	
2 Dichlorodifluoromethane	85	3.267	3.256	0.011	87	920459	10.0	
6 Chlorodifluoromethane	51	3.325	3.320	0.005	92	271200	9.61	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.555	3.549	0.006	86	967567	10.0	
8 Chloromethane	50	3.709	3.704	0.005	99	136479	9.40	
9 Butane	43	3.928	3.918	0.010	96	190028	9.16	
10 Vinyl chloride	62	3.982	3.971	0.011	84	233476	10.1	
11 Butadiene	54	4.067	4.056	0.011	85	147604	10.1	
12 Bromomethane	94	4.809	4.798	0.011	99	353581	9.84	
13 Chloroethane	64	5.065	5.060	0.005	94	111062	9.83	
14 2-Methylbutane	43	5.140	5.134	0.006	83	129184	9.02	
15 Vinyl bromide	106	5.481	5.476	0.005	98	466273	10.5	
16 Trichlorofluoromethane	101	5.588	5.583	0.005	96	1106986	10.2	
17 Pentane	43	5.738	5.732	0.006	93	225193	9.29	
19 Ethanol	45	6.245	6.239	0.005	94	73207	14.8	
21 Ethyl ether	59	6.309	6.303	0.006	78	155419	9.38	
22 Acrolein	56	6.725	6.719	0.006	32	51804	7.20	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.736	6.725	0.011	89	885584	11.1	
24 1,1-Dichloroethene	96	6.773	6.773	0.0	81	428165	11.3	
18 BFB								
25 Acetone	43	7.061	7.056	0.005	93	211276	9.92	
26 Carbon disulfide	76	7.162	7.157	0.005	97	952911	10.0	
27 Isopropyl alcohol	45	7.376	7.371	0.005	98	147491	9.40	
29 3-Chloro-1-propene	41	7.611	7.605	0.006	73	144301	9.33	
30 Acetonitrile	41	7.782	7.776	0.006	99	77609	6.49	
31 Methylene Chloride	49	7.920	7.915	0.005	67	181925	9.92	
32 2-Methyl-2-propanol	59	8.182	8.176	0.006	97	382500	9.73	
33 Methyl tert-butyl ether	73	8.337	8.331	0.006	92	921501	10.2	
34 trans-1,2-Dichloroethene	61	8.363	8.358	0.005	76	350969	9.90	
35 Acrylonitrile	53	8.561	8.555	0.006	95	132026	9.76	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	36 Hexane	57	8.758	8.758	0.0	79	340749	9.63
	37 1,1-Dichloroethane	63	9.287	9.281	0.006	98	506283	10.1
	38 Vinyl acetate	43	9.377	9.377	0.0	97	370712	9.72
S	41 1,2-Dichloroethene, Total	61				0		20.7
	39 cis-1,2-Dichloroethene	96	10.450	10.445	0.005	84	556518	10.8
	40 2-Butanone (MEK)	72	10.530	10.530	0.0	97	195168	9.71
	42 Ethyl acetate	88	10.567	10.562	0.005	97	44893	10.6
*	43 Chlorobromomethane	128	10.941	10.936	0.005	61	545172	10.0
	44 Tetrahydrofuran	42	10.957	10.952	0.005	69	192880	9.28
	45 Chloroform	83	11.080	11.080	0.0	98	997388	10.4
	46 Cyclohexane	84	11.309	11.304	0.005	69	737184	10.1
	47 1,1,1-Trichloroethane	97	11.357	11.352	0.005	91	1157846	10.1
	48 Carbon tetrachloride	117	11.608	11.608	0.0	96	1314368	10.4
	51 Isooctane	57	12.067	12.067	0.0	97	1819518	9.55
	50 Benzene	78	12.115	12.110	0.005	91	1671215	9.98
	52 1,2-Dichloroethane	62	12.318	12.318	0.0	98	577290	9.78
	53 n-Heptane	43	12.478	12.478	0.0	71	486610	8.94
*	54 1,4-Difluorobenzene	114	13.006	13.006	0.0	91	3224050	10.0
	55 n-Butanol	56	13.449	13.449	0.0	75	205003	8.78
	56 Trichloroethene	95	13.492	13.487	0.005	92	912636	10.6
A	57 GRO	1	13.505	5.124 - 21.886		0	181834903	0
	58 1,2-Dichloropropane	63	14.090	14.090	0.0	93	602928	9.72
	59 Methyl methacrylate	69	14.271	14.271	0.0	71	668263	10.3
	60 1,4-Dioxane	88	14.341	14.335	0.006	68	267686	9.29
	61 Dibromomethane	174	14.357	14.351	0.006	91	978033	11.4
	62 Dichlorobromomethane	83	14.661	14.655	0.006	97	1407740	10.8
A	63 TVOC as Toluene	1	15.282	3.171 - 27.394		0	355915316	2241.1
	64 cis-1,3-Dichloropropene	75	15.621	15.616	0.005	83	1076673	10.2
	65 4-Methyl-2-pentanone (MIBK)	43	15.931	15.926	0.005	84	778202	9.51
	66 Toluene	92	16.214	16.214	0.0	93	1604859	10.5
A	67 Toluene Range	1	16.214	16.174 - 16.254		0	10066102	NC
	68 n-Octane	43	16.257	16.251	0.006	71	836900	9.01
A	69 C8 Range	1	16.251	16.201 - 16.301		0	10066102	NC
	70 trans-1,3-Dichloropropene	75	16.828	16.828	0.0	88	1087745	9.74
	71 1,1,2-Trichloroethane	83	17.212	17.212	0.0	93	694196	9.95
	72 Tetrachloroethene	166	17.297	17.297	0.0	94	1487468	11.1
	73 2-Hexanone	43	17.671	17.671	0.0	83	756336	9.39
	74 Chlorodibromomethane	129	17.975	17.975	0.0	97	1701193	11.5
	75 Ethylene Dibromide	107	18.253	18.252	0.001	98	1437021	10.6
*	76 Chlorobenzene-d5	117	19.149	19.149	0.0	78	3112926	10.0
	77 Chlorobenzene	112	19.208	19.208	0.0	97	2297377	10.6
	78 Ethylbenzene	91	19.357	19.357	0.0	96	3443854	10.5
	79 n-Nonane	57	19.459	19.459	0.0	76	1204848	9.57
	81 m-Xylene & p-Xylene	106	19.608	19.608	0.0	98	2924385	21.3
S	82 Xylenes, Total	106				0		31.8
	83 o-Xylene	106	20.414	20.414	0.0	95	1404477	10.5
	84 Styrene	104	20.467	20.467	0.0	98	2251560	10.9
	85 Bromoform	173	20.862	20.862	0.0	98	1815264	11.6
	86 Isopropylbenzene	105	21.049	21.049	0.0	93	4110955	10.8
$	87 4-Bromofluorobenzene	95	21.401	21.401	0.0	98	2070682	NC
	88 1,1,2,2-Tetrachloroethane	83	21.668	21.668	0.0	96	1818068	10.0
	90 N-Propylbenzene	91	21.727	21.727	0.0	99	4690802	10.5

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q		Response	On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	21.764	21.764	0.0	84	1376857	10.2	
93	n-Decane	57	21.876	21.876	0.0	73	1458019	9.82	
91	4-Ethyltoluene	105	21.908	21.908	0.0	94	4266959	11.0	
92	2-Chlorotoluene	91	21.919	21.924	-0.005	93	3222895	10.8	
94	1,3,5-Trimethylbenzene	105	22.010	22.010	0.0	94	3391230	10.5	
95	Alpha Methyl Styrene	118	22.362	22.362	0.0	90	1891677	11.2	
96	tert-Butylbenzene	119	22.479	22.479	0.0	91	3477716	11.0	
97	1,2,4-Trimethylbenzene	105	22.570	22.570	0.0	95	3308709	10.3	
98	sec-Butylbenzene	105	22.794	22.794	0.0	98	5013304	10.8	
99	4-Isopropyltoluene	119	22.992	22.992	0.0	93	4485762	11.0	
100	1,3-Dichlorobenzene	146	23.029	23.029	0.0	98	2471991	10.4	
101	1,4-Dichlorobenzene	146	23.168	23.168	0.0	96	2464253	10.4	
102	Benzyl chloride	91	23.376	23.376	0.0	99	2322514	8.24	
103	n-Butylbenzene	91	23.579	23.579	0.0	96	3515033	10.6	
104	Undecane	57	23.584	23.584	0.0	82	1504139	10.8	
105	1,2-Dichlorobenzene	146	23.723	23.723	0.0	98	2264953	10.1	
106	Dodecane	57	25.244	25.244	0.0	87	1552394	11.9	
107	1,2,4-Trichlorobenzene	180	26.354	26.354	0.0	89	1822589	11.5	
108	Hexachlorobutadiene	225	26.541	26.541	0.0	96	1675576	11.1	
109	Naphthalene	128	26.882	26.882	0.0	99	3792807	13.8	
110	1,2,3-Trichlorobenzene	180	27.384	27.384	0.0	96	1734478	13.2	

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

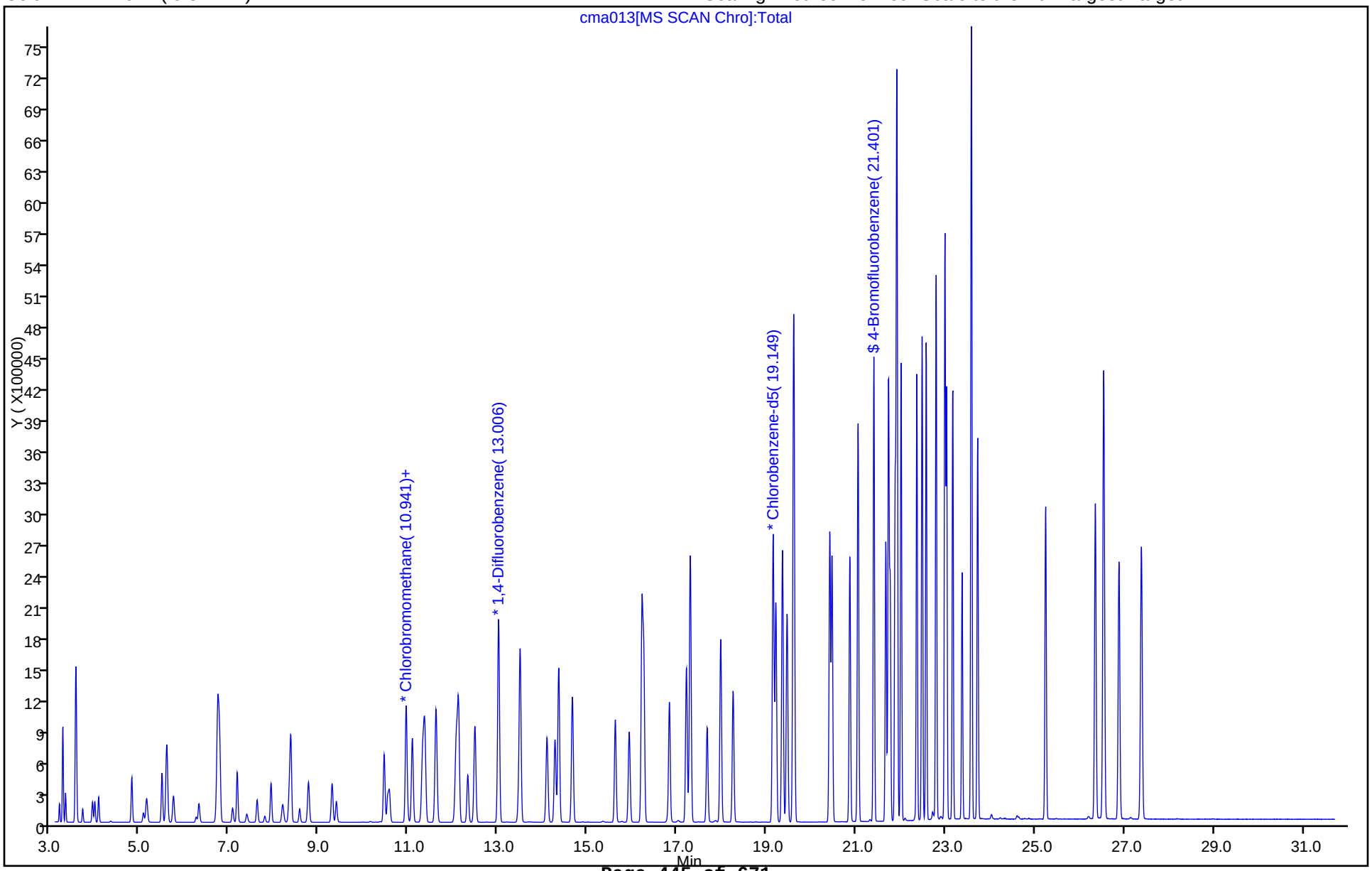
Report Date: 21-Jan-2014 12:23:35 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma013.D

Injection Date:	03-Jan-2014 17:25:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	icv	Lab Sample ID:	ICV 200-66776/13-A	Worklist Smp#:	13
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab Sample ID: CCVIS 200-68401/3 Calibration Date: 02/14/2014 15:59

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: 6163_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.1663	0.1854		11.1	10.0	11.5	30.0
Freon 12	Ave	1.683	1.885		11.2	10.0	12.0	30.0
Freon 22	Ave	0.5176	0.5732		11.1	10.0	10.7	30.0
Freon-114	Ave	1.767	1.926		10.9	10.0	9.0	30.0
Chloromethane	Ave	0.2664	0.2813		10.6	10.0	5.6	30.0
n-Butane	Ave	0.3806	0.4134		10.9	10.0	8.6	30.0
Vinyl chloride	Ave	0.4224	0.4684		11.1	10.0	10.9	30.0
1,3-Butadiene	Ave	0.2692	0.2908		10.8	10.0	8.0	30.0
Bromomethane	Ave	0.6591	0.7237		11.0	10.0	9.8	30.0
Chloroethane	Ave	0.2073	0.2307		11.1	10.0	11.3	30.0
Isopentane	Ave	0.2627	0.2797		10.6	10.0	6.5	30.0
Vinyl bromide	Ave	0.8147	0.8795		10.8	10.0	8.0	30.0
Freon 11	Ave	1.985	2.194		11.1	10.0	10.5	30.0
n-Pentane	Ave	0.4446	0.4847		10.9	10.0	9.0	30.0
Ethanol	Ave	0.0905	0.0974		16.1	15.0	7.6	30.0
Ethyl ether	Ave	0.3038	0.3251		10.7	10.0	7.0	30.0
Acrolein	Ave	0.1319	0.1481		11.2	10.0	12.3	30.0
Freon 113	Ave	1.460	1.585		10.9	10.0	8.6	30.0
1,1-Dichloroethene	Ave	0.6933	0.7505		10.8	10.0	8.2	30.0
Acetone	Ave	0.3906	0.5014		12.8	10.0	28.3	30.0
Carbon disulfide	Ave	1.745	1.835		10.5	10.0	5.2	30.0
Isopropyl alcohol	Ave	0.2879	0.3280		11.4	10.0	13.9	30.0
Allyl chloride	Ave	0.2838	0.3089		10.9	10.0	8.9	30.0
Acetonitrile	Ave	0.2192	0.1733		7.91	10.0	-20.9	30.0
Methylene Chloride	Ave	0.3364	0.3507		10.4	10.0	4.2	30.0
tert-Butyl alcohol	Ave	0.7211	0.7853		10.9	10.0	8.9	30.0
Methyl tert-butyl ether	Ave	1.651	1.782		10.8	10.0	7.9	30.0
trans-1,2-Dichloroethene	Ave	0.6505	0.6980		10.7	10.0	7.3	30.0
Acrylonitrile	Ave	0.2482	0.2675		10.8	10.0	7.8	30.0
Hexane	Ave	0.6489	0.6686		10.3	10.0	3.0	30.0
1,1-Dichloroethane	Ave	0.9199	0.9784		10.6	10.0	6.4	30.0
Vinyl acetate	Ave	0.6999	0.7859		11.2	10.0	12.3	30.0
cis-1,2-Dichloroethene	Ave	0.9487	1.012		10.7	10.0	6.6	30.0
Methyl Ethyl Ketone	Ave	0.3688	0.3776		10.2	10.0	2.4	30.0
Ethyl acetate	Ave	0.0780	0.0842		10.8	10.0	7.9	30.0
Tetrahydrofuran	Ave	0.0644	0.0735		11.4	10.0	14.1	30.0
Chloroform	Ave	1.762	1.889		10.7	10.0	7.2	30.0
Cyclohexane	Ave	0.2258	0.2425		10.7	10.0	7.4	30.0
1,1,1-Trichloroethane	Ave	0.3561	0.3947		11.1	10.0	10.8	30.0
Carbon tetrachloride	Ave	0.3919	0.4444		11.3	10.0	13.4	30.0
2,2,4-Trimethylpentane	Ave	0.5912	0.6177		10.4	10.0	4.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab Sample ID: CCVIS 200-68401/3 Calibration Date: 02/14/2014 15:59

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: 6163_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5194	0.5469		10.5	10.0	5.3	30.0
1,2-Dichloroethane	Ave	0.1831	0.2014		11.0	10.0	10.0	30.0
Heptane	Ave	0.1688	0.1743		10.3	10.0	3.2	30.0
n-Butanol	Ave	0.0724	0.0753		10.4	10.0	3.9	30.0
Trichloroethene	Ave	0.2679	0.2919		10.9	10.0	9.0	30.0
1,2-Dichloropropane	Ave	0.1923	0.2031		10.6	10.0	5.6	30.0
Methyl methacrylate	Ave	0.2021	0.2181		10.8	10.0	7.9	30.0
1,4-Dioxane	Ave	0.0894	0.1009		11.3	10.0	13.0	30.0
Dibromomethane	Ave	0.2658	0.3059		11.5	10.0	15.1	30.0
Bromodichloromethane	Ave	0.4044	0.4536		11.2	10.0	12.1	30.0
cis-1,3-Dichloropropene	Ave	0.3270	0.3586		11.0	10.0	9.7	30.0
methyl isobutyl ketone	Ave	0.2538	0.2747		10.8	10.0	8.2	30.0
Toluene	Ave	0.4926	0.5300		10.8	10.0	7.6	30.0
n-Octane	Ave	0.2879	0.3058		10.6	10.0	6.2	30.0
trans-1,3-Dichloropropene	Ave	0.3463	0.3761		10.9	10.0	8.6	30.0
1,1,2-Trichloroethane	Ave	0.2241	0.2439		10.9	10.0	8.8	30.0
Tetrachloroethene	Ave	0.4302	0.4969		11.5	10.0	15.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2588	0.2815		10.9	10.0	8.8	30.0
Dibromochloromethane	Ave	0.4767	0.5464		11.5	10.0	14.6	30.0
1,2-Dibromoethane	Ave	0.4366	0.4914		11.3	10.0	12.6	30.0
Chlorobenzene	Ave	0.6963	0.7654		11.0	10.0	9.9	30.0
Ethylbenzene	Ave	1.057	1.161		11.0	10.0	9.9	30.0
n-Nonane	Ave	0.4044	0.4248		10.5	10.0	5.1	30.0
m,p-Xylene	Ave	0.4403	0.4918		22.3	20.0	11.7	30.0
Xylene, o-	Ave	0.4307	0.4749		11.0	10.0	10.2	30.0
Styrene	Ave	0.6632	0.7447		11.2	10.0	12.3	30.0
Bromoform	Ave	0.5021	0.5910		11.8	10.0	17.7	30.0
Cumene	Ave	1.220	1.364		11.2	10.0	11.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5833	0.6437		11.0	10.0	10.3	30.0
n-Propylbenzene	Ave	1.429	1.593		11.1	10.0	11.5	30.0
1,2,3-Trichloropropane	Ave	0.4358	0.4814		11.0	10.0	10.5	30.0
n-Decane	Ave	0.4770	0.5296		11.1	10.0	11.0	30.0
4-Ethyltoluene	Ave	1.242	1.430		11.5	10.0	15.2	30.0
2-Chlorotoluene	Ave	0.9591	1.096		11.4	10.0	14.3	30.0
1,3,5-Trimethylbenzene	Ave	1.034	1.159		11.2	10.0	12.1	30.0
Alpha Methyl Styrene	Ave	0.5445	0.6004		11.0	10.0	10.3	30.0
tert-Butylbenzene	Ave	1.020	1.142		11.2	10.0	12.1	30.0
1,2,4-Trimethylbenzene	Ave	1.030	1.166		11.3	10.0	13.2	30.0
sec-Butylbenzene	Ave	1.495	1.677		11.2	10.0	12.1	30.0
4-Isopropyltoluene	Ave	1.311	1.485		11.3	10.0	13.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab Sample ID: CCVIS 200-68401/3 Calibration Date: 02/14/2014 15:59

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: 6163_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.7644	0.8723		11.4	10.0	14.1	30.0
1,4-Dichlorobenzene	Ave	0.7647	0.8703		11.4	10.0	13.8	30.0
Benzyl chloride	Ave	0.9052	1.035		11.4	10.0	14.3	30.0
n-Butylbenzene	Ave	1.063	1.235		11.6	10.0	16.2	30.0
n-Undecane	Ave	0.4458	0.5417		12.1	10.0	21.5	30.0
1,2-Dichlorobenzene	Ave	0.7209	0.8113		11.3	10.0	12.5	30.0
n-Dodecane	Ave	0.4199	0.4715		11.2	10.0	12.3	30.0
1,2,4-Trichlorobenzene	Ave	0.5087	0.6261		12.3	10.0	23.1	30.0
Hexachloro-1,3-butadiene	Ave	0.4833	0.5444		11.3	10.0	12.6	30.0
Naphthalene	Ave	0.8822	1.197		13.6	10.0	35.7*	30.0
1,2,3-Trichlorobenzene	Ave	0.4221	0.5317		12.6	10.0	26.0	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_03.D
Lims ID: CCVIS Lab Sample ID: LCS 200-67417/3-A
Client ID:
Sample Type: CCVIS
Inject. Date: 14-Feb-2014 15:59:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006163-003
Misc. Info.: ccvis
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub1

Method: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Feb-2014 14:38:43 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desjardinsb Date: 17-Feb-2014 14:38:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
4 Propene	41	3.187	3.187	0.0	98	87338	11.1	
5 Dichlorodifluoromethane	85	3.261	3.261	0.0	98	887967	11.2	
6 Chlorodifluoromethane	51	3.325	3.325	0.0	92	269955	11.1	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.555	3.555	0.0	86	906997	10.9	
8 Chloromethane	50	3.704	3.704	0.0	99	132498	10.6	
9 Butane	43	3.923	3.923	0.0	95	194728	10.9	
10 Vinyl chloride	62	3.976	3.976	0.0	81	220604	11.1	
11 Butadiene	54	4.062	4.062	0.0	86	136950	10.8	
12 Bromomethane	94	4.798	4.798	0.0	98	340871	11.0	
13 Chloroethane	64	5.065	5.065	0.0	92	108637	11.1	
14 2-Methylbutane	43	5.134	5.134	0.0	84	131723	10.6	
15 Vinyl bromide	106	5.476	5.476	0.0	87	414246	10.8	
16 Trichlorofluoromethane	101	5.583	5.583	0.0	97	1033533	11.1	
17 Pentane	43	5.732	5.732	0.0	93	228278	10.9	
19 Ethanol	45	6.239	6.239	0.0	85	68815	16.1	
20 Ethyl ether	59	6.303	6.303	0.0	75	153127	10.7	
21 Acrolein	56	6.720	6.720	0.0	35	69752	11.2	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.725	6.725	0.0	89	746536	10.9	
23 1,1-Dichloroethene	96	6.768	6.768	0.0	82	353480	10.8	
24 BFB								
25 Acetone	43	7.050	7.050	0.0	84	236138	12.8	
26 Carbon disulfide	76	7.157	7.157	0.0	97	864260	10.5	
28 Isopropyl alcohol	45	7.371	7.371	0.0	98	154492	11.4	
29 3-Chloro-1-propene	41	7.600	7.600	0.0	74	145496	10.9	
30 Acetonitrile	41	7.771	7.771	0.0	98	81637	7.91	
31 Methylene Chloride	49	7.910	7.910	0.0	69	165165	10.4	
32 2-Methyl-2-propanol	59	8.177	8.177	0.0	95	369855	10.9	
33 Methyl tert-butyl ether	73	8.331	8.331	0.0	93	839266	10.8	
34 trans-1,2-Dichloroethene	61	8.358	8.358	0.0	76	328774	10.7	
35 Acrylonitrile	53	8.550	8.550	0.0	94	126006	10.8	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	36 Hexane	57	8.748	8.748	0.0	80	314925	10.3
	37 1,1-Dichloroethane	63	9.276	9.276	0.0	98	460814	10.6
	38 Vinyl acetate	43	9.372	9.372	0.0	97	370166	11.2
S	39 1,2-Dichloroethene, Total	61				0		21.4
	40 cis-1,2-Dichloroethene	96	10.439	10.439	0.0	78	476556	10.7
	41 2-Butanone (MEK)	72	10.519	10.519	0.0	93	177842	10.2
	42 Ethyl acetate	88	10.557	10.557	0.0	94	39664	10.8
*	43 Chlorobromomethane	128	10.930	10.930	0.0	63	471097	10.0
	44 Tetrahydrofuran	42	10.946	10.946	0.0	71	193115	11.4
	45 Chloroform	83	11.069	11.069	0.0	98	889902	10.7
	46 Cyclohexane	84	11.304	11.304	0.0	71	637065	10.7
	47 1,1,1-Trichloroethane	97	11.347	11.347	0.0	93	1036906	11.1
	49 Carbon tetrachloride	117	11.597	11.597	0.0	96	1167259	11.3
	50 Isooctane	57	12.062	12.062	0.0	97	1622524	10.4
	51 Benzene	78	12.104	12.104	0.0	92	1436626	10.5
	52 1,2-Dichloroethane	62	12.307	12.307	0.0	92	529103	11.0
	53 n-Heptane	43	12.473	12.473	0.0	74	457820	10.3
*	54 1,4-Difluorobenzene	114	13.001	13.001	0.0	91	2627371	10.0
	55 n-Butanol	56	13.444	13.444	0.0	77	197669	10.4
	56 Trichloroethene	95	13.481	13.481	0.0	94	766887	10.9
A	57 GRO	1	13.503	5.124 - 21.881		0	160397876	0
	58 1,2-Dichloropropane	63	14.079	14.079	0.0	93	533399	10.6
	59 Methyl methacrylate	69	14.261	14.261	0.0	75	573032	10.8
	60 1,4-Dioxane	88	14.330	14.330	0.0	38	265149	11.3
	61 Dibromomethane	174	14.346	14.346	0.0	90	803578	11.5
	62 Dichlorobromomethane	83	14.650	14.650	0.0	98	1191433	11.2
A	63 TVOC as Toluene	1	15.285	3.177 - 27.394		0	313731687	2424.1
	64 cis-1,3-Dichloropropene	75	15.611	15.611	0.0	85	942032	11.0
	65 4-Methyl-2-pentanone (MIBK)	43	15.920	15.920	0.0	86	721512	10.8
	66 Toluene	92	16.209	16.209	0.0	91	1336995	10.8
	68 n-Octane	43	16.246	16.246	0.0	76	803408	10.6
	70 trans-1,3-Dichloropropene	75	16.822	16.822	0.0	89	987939	10.9
	71 1,1,2-Trichloroethane	83	17.201	17.201	0.0	92	615365	10.9
	72 Tetrachloroethene	166	17.287	17.287	0.0	89	1253408	11.5
	73 2-Hexanone	43	17.660	17.660	0.0	85	709991	10.9
	74 Chlorodibromomethane	129	17.970	17.970	0.0	96	1378459	11.5
	75 Ethylene Dibromide	107	18.247	18.247	0.0	98	1239642	11.3
*	76 Chlorobenzene-d5	117	19.144	19.144	0.0	80	2523132	10.0
	77 Chlorobenzene	112	19.203	19.203	0.0	97	1930826	11.0
	79 Ethylbenzene	91	19.352	19.352	0.0	95	2928994	11.0
	80 n-Nonane	57	19.453	19.453	0.0	78	1071719	10.5
	81 m-Xylene & p-Xylene	106	19.603	19.603	0.0	99	2481322	22.3
S	82 Xylenes, Total	106				0		33.4
	83 o-Xylene	106	20.409	20.409	0.0	94	1197879	11.0
	84 Styrene	104	20.457	20.457	0.0	97	1878586	11.2
	85 Bromoform	173	20.857	20.857	0.0	99	1490929	11.8
	86 Isopropylbenzene	105	21.044	21.044	0.0	94	3440169	11.2
$	87 4-Bromofluorobenzene	95	21.396	21.396	0.0	98	1729656	NC
	88 1,1,2,2-Tetrachloroethane	83	21.663	21.663	0.0	94	1623792	11.0
	89 N-Propylbenzene	91	21.722	21.722	0.0	99	4018672	11.1
	90 1,2,3-Trichloropropane	75	21.759	21.759	0.0	82	1214355	11.0
	91 n-Decane	57	21.871	21.871	0.0	76	1335938	11.1

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
92 4-Ethyltoluene	105	21.903	21.903	0.0	94	3607028	11.5
93 2-Chlorotoluene	91	21.919	21.919	0.0	94	2765701	11.4
94 1,3,5-Trimethylbenzene	105	22.004	22.004	0.0	93	2923616	11.2
95 Alpha Methyl Styrene	118	22.357	22.357	0.0	90	1514504	11.0
96 tert-Butylbenzene	119	22.474	22.474	0.0	91	2881938	11.2
97 1,2,4-Trimethylbenzene	105	22.565	22.565	0.0	95	2941405	11.3
98 sec-Butylbenzene	105	22.789	22.789	0.0	99	4229299	11.2
99 4-Isopropyltoluene	119	22.986	22.986	0.0	95	3746393	11.3
100 1,3-Dichlorobenzene	146	23.024	23.024	0.0	98	2200405	11.4
101 1,4-Dichlorobenzene	146	23.163	23.163	0.0	96	2195515	11.4
102 Benzyl chloride	91	23.371	23.371	0.0	99	2610117	11.4
103 n-Butylbenzene	91	23.573	23.573	0.0	96	3114392	11.6
104 Undecane	57	23.584	23.584	0.0	67	1366406	12.1
105 1,2-Dichlorobenzene	146	23.718	23.718	0.0	98	2046484	11.3
106 Dodecane	57	25.239	25.239	0.0	89	1189313	11.2
107 1,2,4-Trichlorobenzene	180	26.349	26.349	0.0	93	1579355	12.3
108 Hexachlorobutadiene	225	26.541	26.541	0.0	95	1373215	11.3
109 Naphthalene	128	26.877	26.877	0.0	99	3020539	13.6
110 1,2,3-Trichlorobenzene	180	27.384	27.384	0.0	94	1341366	12.6

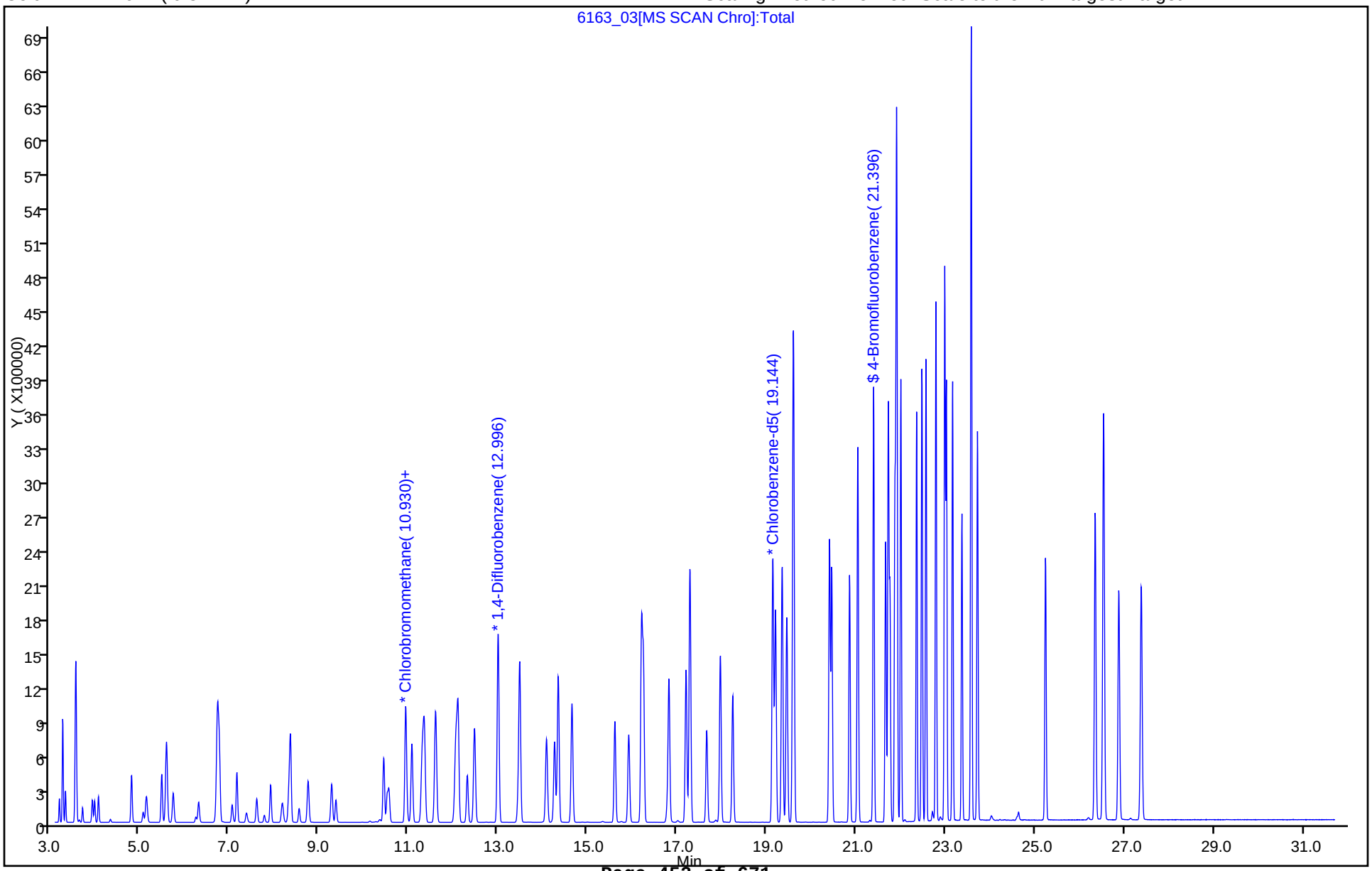
Report Date: 17-Feb-2014 14:38:44 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_03.D

Injection Date:	14-Feb-2014 15:59:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	CCVIS	Lab Sample ID:	LCS 200-67417/3-A	Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab Sample ID: CCVIS 200-68430/3 Calibration Date: 02/17/2014 12:00

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: 6176_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.1663	0.2081		12.5	10.0	25.1	30.0
Freon 12	Ave	1.683	1.939		11.5	10.0	15.3	30.0
Freon 22	Ave	0.5176	0.6243		12.1	10.0	20.6	30.0
Freon-114	Ave	1.767	2.000		11.3	10.0	13.2	30.0
Chloromethane	Ave	0.2664	0.3076		11.5	10.0	15.5	30.0
n-Butane	Ave	0.3806	0.4522		11.9	10.0	18.8	30.0
Vinyl chloride	Ave	0.4224	0.4984		11.8	10.0	18.0	30.0
1,3-Butadiene	Ave	0.2692	0.3126		11.6	10.0	16.1	30.0
Bromomethane	Ave	0.6591	0.7360		11.2	10.0	11.7	30.0
Chloroethane	Ave	0.2073	0.2371		11.4	10.0	14.4	30.0
Isopentane	Ave	0.2627	0.3004		11.4	10.0	14.4	30.0
Vinyl bromide	Ave	0.8147	0.8811		10.8	10.0	8.2	30.0
Freon 11	Ave	1.985	2.185		11.0	10.0	10.1	30.0
n-Pentane	Ave	0.4446	0.5195		11.7	10.0	16.8	30.0
Ethanol	Ave	0.0905	0.0983		16.3	15.0	8.6	30.0
Ethyl ether	Ave	0.3038	0.3410		11.2	10.0	12.2	30.0
Acrolein	Ave	0.1319	0.1552		11.8	10.0	17.6	30.0
Freon 113	Ave	1.460	1.594		10.9	10.0	9.2	30.0
1,1-Dichloroethene	Ave	0.6933	0.7585		10.9	10.0	9.4	30.0
Acetone	Ave	0.3906	0.5355		13.7	10.0	37.1*	30.0
Carbon disulfide	Ave	1.745	1.879		10.8	10.0	7.7	30.0
Isopropyl alcohol	Ave	0.2879	0.3432		11.9	10.0	19.2	30.0
Allyl chloride	Ave	0.2838	0.3291		11.6	10.0	16.0	30.0
Acetonitrile	Ave	0.2192	0.1864		8.50	10.0	-14.9	30.0
Methylene Chloride	Ave	0.3364	0.3667		10.9	10.0	9.0	30.0
tert-Butyl alcohol	Ave	0.7211	0.8117		11.3	10.0	12.6	30.0
Methyl tert-butyl ether	Ave	1.651	1.812		11.0	10.0	9.8	30.0
trans-1,2-Dichloroethene	Ave	0.6505	0.7191		11.1	10.0	10.5	30.0
Acrylonitrile	Ave	0.2482	0.2748		11.1	10.0	10.7	30.0
Hexane	Ave	0.6489	0.6953		10.7	10.0	7.1	30.0
1,1-Dichloroethane	Ave	0.9199	1.005		10.9	10.0	9.3	30.0
Vinyl acetate	Ave	0.6999	0.8279		11.8	10.0	18.3	30.0
cis-1,2-Dichloroethene	Ave	0.9487	1.008		10.6	10.0	6.2	30.0
Methyl Ethyl Ketone	Ave	0.3688	0.3838		10.4	10.0	4.0	30.0
Ethyl acetate	Ave	0.0780	0.0832		10.7	10.0	6.5	30.0
Tetrahydrofuran	Ave	0.0644	0.0773		12.0	10.0	19.9	30.0
Chloroform	Ave	1.762	1.884		10.7	10.0	6.9	30.0
Cyclohexane	Ave	0.2258	0.2429		10.8	10.0	7.6	30.0
1,1,1-Trichloroethane	Ave	0.3561	0.3931		11.0	10.0	10.4	30.0
Carbon tetrachloride	Ave	0.3919	0.4401		11.2	10.0	12.3	30.0
2,2,4-Trimethylpentane	Ave	0.5912	0.6343		10.7	10.0	7.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab Sample ID: CCVIS 200-68430/3 Calibration Date: 02/17/2014 12:00

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: 6176_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5194	0.5503		10.6	10.0	5.9	30.0
1,2-Dichloroethane	Ave	0.1831	0.2041		11.1	10.0	11.5	30.0
Heptane	Ave	0.1688	0.1828		10.8	10.0	8.3	30.0
n-Butanol	Ave	0.0724	0.0766		10.6	10.0	5.7	30.0
Trichloroethene	Ave	0.2679	0.2868		10.7	10.0	7.1	30.0
1,2-Dichloropropane	Ave	0.1923	0.2048		10.6	10.0	6.5	30.0
Methyl methacrylate	Ave	0.2021	0.2153		10.6	10.0	6.5	30.0
1,4-Dioxane	Ave	0.0894	0.1000		11.2	10.0	11.9	30.0
Dibromomethane	Ave	0.2658	0.2976		11.2	10.0	12.0	30.0
Bromodichloromethane	Ave	0.4044	0.4500		11.1	10.0	11.3	30.0
cis-1,3-Dichloropropene	Ave	0.3270	0.3556		10.9	10.0	8.7	30.0
methyl isobutyl ketone	Ave	0.2538	0.2860		11.3	10.0	12.7	30.0
Toluene	Ave	0.4926	0.5260		10.7	10.0	6.8	30.0
n-Octane	Ave	0.2879	0.3189		11.1	10.0	10.8	30.0
trans-1,3-Dichloropropene	Ave	0.3463	0.3742		10.8	10.0	8.1	30.0
1,1,2-Trichloroethane	Ave	0.2241	0.2420		10.8	10.0	8.0	30.0
Tetrachloroethene	Ave	0.4302	0.4836		11.2	10.0	12.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2588	0.2942		11.4	10.0	13.7	30.0
Dibromochloromethane	Ave	0.4767	0.5314		11.1	10.0	11.5	30.0
1,2-Dibromoethane	Ave	0.4366	0.4814		11.0	10.0	10.3	30.0
Chlorobenzene	Ave	0.6963	0.7503		10.8	10.0	7.8	30.0
Ethylbenzene	Ave	1.057	1.150		10.9	10.0	8.8	30.0
n-Nonane	Ave	0.4044	0.4334		10.7	10.0	7.2	30.0
m,p-Xylene	Ave	0.4403	0.4877		22.2	20.0	10.8	30.0
Xylene, o-	Ave	0.4307	0.4686		10.9	10.0	8.8	30.0
Styrene	Ave	0.6632	0.7307		11.0	10.0	10.2	30.0
Bromoform	Ave	0.5021	0.5772		11.5	10.0	15.0	30.0
Cumene	Ave	1.220	1.346		11.0	10.0	10.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5833	0.6437		11.0	10.0	10.4	30.0
n-Propylbenzene	Ave	1.429	1.580		11.1	10.0	10.6	30.0
1,2,3-Trichloropropane	Ave	0.4358	0.4820		11.1	10.0	10.6	30.0
n-Decane	Ave	0.4770	0.5432		11.4	10.0	13.9	30.0
4-Ethyltoluene	Ave	1.242	1.415		11.4	10.0	14.0	30.0
2-Chlorotoluene	Ave	0.9591	1.089		11.4	10.0	13.6	30.0
1,3,5-Trimethylbenzene	Ave	1.034	1.143		11.0	10.0	10.5	30.0
Alpha Methyl Styrene	Ave	0.5445	0.5818		10.7	10.0	6.8	30.0
tert-Butylbenzene	Ave	1.020	1.122		11.0	10.0	10.1	30.0
1,2,4-Trimethylbenzene	Ave	1.030	1.150		11.2	10.0	11.6	30.0
sec-Butylbenzene	Ave	1.495	1.652		11.0	10.0	10.5	30.0
4-Isopropyltoluene	Ave	1.311	1.454		11.1	10.0	10.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab Sample ID: CCVIS 200-68430/3 Calibration Date: 02/17/2014 12:00

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: 6176_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.7644	0.8575		11.2	10.0	12.2	30.0
1,4-Dichlorobenzene	Ave	0.7647	0.8570		11.2	10.0	12.1	30.0
Benzyl chloride	Ave	0.9052	1.025		11.3	10.0	13.2	30.0
n-Butylbenzene	Ave	1.063	1.234		11.6	10.0	16.2	30.0
n-Undecane	Ave	0.4458	0.5613		12.6	10.0	25.9	30.0
1,2-Dichlorobenzene	Ave	0.7209	0.7951		11.0	10.0	10.3	30.0
n-Dodecane	Ave	0.4199	0.4722		11.2	10.0	12.5	30.0
1,2,4-Trichlorobenzene	Ave	0.5087	0.6184		12.2	10.0	21.6	30.0
Hexachloro-1,3-butadiene	Ave	0.4833	0.5406		11.2	10.0	11.9	30.0
Naphthalene	Ave	0.8822	1.183		13.4	10.0	34.1*	30.0
1,2,3-Trichlorobenzene	Ave	0.4221	0.5223		12.4	10.0	23.7	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_03.D
Lims ID: CCVIS Lab Sample ID: LCS 200-67417/3-A
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Feb-2014 12:00:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006176-003
Misc. Info.: ccvis
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub1

Method: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Feb-2014 13:51:33 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desjardinsb Date: 17-Feb-2014 13:51:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
4 Propene	41	3.176	3.176	0.0	99	98045	12.5	
5 Dichlorodifluoromethane	85	3.256	3.256	0.0	99	913744	11.5	
6 Chlorodifluoromethane	51	3.315	3.315	0.0	77	294118	12.1	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.544	3.544	0.0	87	942192	11.3	
8 Chloromethane	50	3.699	3.699	0.0	98	144906	11.5	
9 Butane	43	3.918	3.918	0.0	97	213070	11.9	
10 Vinyl chloride	62	3.966	3.966	0.0	83	234812	11.8	
11 Butadiene	54	4.051	4.051	0.0	86	147279	11.6	
12 Bromomethane	94	4.793	4.793	0.0	98	346781	11.2	
13 Chloroethane	64	5.049	5.049	0.0	95	111697	11.4	
14 2-Methylbutane	43	5.124	5.124	0.0	85	141546	11.4	
15 Vinyl bromide	106	5.465	5.465	0.0	97	415128	10.8	
16 Trichlorofluoromethane	101	5.572	5.572	0.0	96	1029471	11.0	
17 Pentane	43	5.722	5.722	0.0	94	244760	11.7	
19 Ethanol	45	6.223	6.223	0.0	99	69492	16.3	
20 Ethyl ether	59	6.293	6.293	0.0	80	160665	11.2	
21 Acrolein	56	6.709	6.709	0.0	92	73108	11.8	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.714	6.714	0.0	90	751208	10.9	
23 1,1-Dichloroethene	96	6.757	6.757	0.0	83	357360	10.9	
24 BFB								
25 Acetone	43	7.040	7.040	0.0	91	252281	13.7	
26 Carbon disulfide	76	7.147	7.147	0.0	97	885191	10.8	
28 Isopropyl alcohol	45	7.360	7.360	0.0	98	161678	11.9	
29 3-Chloro-1-propene	41	7.595	7.595	0.0	76	155066	11.6	
30 Acetonitrile	41	7.760	7.760	0.0	99	87841	8.50	
31 Methylene Chloride	49	7.904	7.904	0.0	70	172765	10.9	
32 2-Methyl-2-propanol	59	8.161	8.161	0.0	98	382407	11.3	
33 Methyl tert-butyl ether	73	8.321	8.321	0.0	93	853615	11.0	
34 trans-1,2-Dichloroethene	61	8.347	8.347	0.0	77	338788	11.1	
35 Acrylonitrile	53	8.539	8.539	0.0	95	129458	11.1	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	36 Hexane	57	8.742	8.742	0.0	81	327580	10.7
	37 1,1-Dichloroethane	63	9.271	9.271	0.0	98	473543	10.9
	38 Vinyl acetate	43	9.361	9.361	0.0	98	390057	11.8
S	39 1,2-Dichloroethene, Total	61				0		21.7
	40 cis-1,2-Dichloroethene	96	10.434	10.434	0.0	86	474766	10.6
	41 2-Butanone (MEK)	72	10.509	10.509	0.0	95	180799	10.4
	42 Ethyl acetate	88	10.546	10.546	0.0	98	39177	10.7
*	43 Chlorobromomethane	128	10.920	10.920	0.0	64	471233	10.0
	44 Tetrahydrofuran	42	10.936	10.936	0.0	71	200935	12.0
	45 Chloroform	83	11.064	11.064	0.0	98	887465	10.7
	46 Cyclohexane	84	11.293	11.293	0.0	73	631823	10.8
	47 1,1,1-Trichloroethane	97	11.341	11.341	0.0	93	1022287	11.0
	49 Carbon tetrachloride	117	11.592	11.592	0.0	96	1144541	11.2
	50 Isooctane	57	12.051	12.051	0.0	98	1649798	10.7
	51 Benzene	78	12.099	12.099	0.0	92	1431116	10.6
	52 1,2-Dichloroethane	62	12.302	12.302	0.0	98	530782	11.1
	53 n-Heptane	43	12.462	12.462	0.0	75	475500	10.8
*	54 1,4-Difluorobenzene	114	12.990	12.990	0.0	91	2601360	10.0
	55 n-Butanol	56	13.433	13.433	0.0	77	199107	10.6
	56 Trichloroethene	95	13.476	13.476	0.0	95	746041	10.7
A	57 GRO	1	13.495	5.114 - 21.876		0	159887423	0
	58 1,2-Dichloropropane	63	14.074	14.074	0.0	93	532592	10.6
	59 Methyl methacrylate	69	14.250	14.250	0.0	76	559915	10.6
	60 1,4-Dioxane	88	14.319	14.319	0.0	71	260076	11.2
	61 Dibromomethane	174	14.341	14.341	0.0	92	774059	11.2
	62 Dichlorobromomethane	83	14.645	14.645	0.0	98	1170496	11.1
A	63 TVOC as Toluene	1	15.275	3.166 - 27.383		0	310926483	2426.5
	64 cis-1,3-Dichloropropene	75	15.600	15.600	0.0	85	924826	10.9
	65 4-Methyl-2-pentanone (MIBK)	43	15.910	15.910	0.0	88	743739	11.3
	66 Toluene	92	16.198	16.198	0.0	93	1314026	10.7
	68 n-Octane	43	16.241	16.241	0.0	78	829484	11.1
	70 trans-1,3-Dichloropropene	75	16.812	16.812	0.0	90	973266	10.8
	71 1,1,2-Trichloroethane	83	17.196	17.196	0.0	92	604586	10.8
	72 Tetrachloroethene	166	17.281	17.281	0.0	95	1208229	11.2
	73 2-Hexanone	43	17.655	17.655	0.0	87	734951	11.4
	74 Chlorodibromomethane	129	17.964	17.964	0.0	96	1327555	11.1
	75 Ethylene Dibromide	107	18.237	18.237	0.0	98	1202826	11.0
*	76 Chlorobenzene-d5	117	19.133	19.133	0.0	78	2498862	10.0
	77 Chlorobenzene	112	19.197	19.197	0.0	97	1874439	10.8
	79 Ethylbenzene	91	19.347	19.347	0.0	96	2873018	10.9
	80 n-Nonane	57	19.448	19.448	0.0	79	1082759	10.7
	81 m-Xylene & p-Xylene	106	19.592	19.592	0.0	99	2437013	22.2
S	82 Xylenes, Total	106				0		33.0
	83 o-Xylene	106	20.403	20.403	0.0	94	1170617	10.9
	84 Styrene	104	20.451	20.451	0.0	97	1825539	11.0
	85 Bromoform	173	20.852	20.852	0.0	98	1442006	11.5
	86 Isopropylbenzene	105	21.038	21.038	0.0	94	3362015	11.0
$	87 4-Bromofluorobenzene	95	21.391	21.391	0.0	98	1724959	NC
	88 1,1,2,2-Tetrachloroethane	83	21.658	21.658	0.0	96	1608261	11.0
	89 N-Propylbenzene	91	21.722	21.722	0.0	99	3948608	11.1
	90 1,2,3-Trichloropropane	75	21.754	21.754	0.0	87	1204105	11.1
	91 n-Decane	57	21.866	21.866	0.0	76	1357126	11.4

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
92	4-Ethyltoluene	105	21.898	21.898	0.0	95	3536383	11.4
93	2-Chlorotoluene	91	21.914	21.914	0.0	96	2721946	11.4
94	1,3,5-Trimethylbenzene	105	21.999	21.999	0.0	93	2854692	11.0
95	Alpha Methyl Styrene	118	22.351	22.351	0.0	90	1453449	10.7
96	tert-Butylbenzene	119	22.469	22.469	0.0	90	2803346	11.0
97	1,2,4-Trimethylbenzene	105	22.560	22.560	0.0	95	2871889	11.2
98	sec-Butylbenzene	105	22.784	22.784	0.0	99	4128033	11.0
99	4-Isopropyltoluene	119	22.981	22.981	0.0	93	3631894	11.1
100	1,3-Dichlorobenzene	146	23.018	23.018	0.0	98	2142344	11.2
101	1,4-Dichlorobenzene	146	23.157	23.157	0.0	96	2141104	11.2
102	Benzyl chloride	91	23.365	23.365	0.0	99	2560968	11.3
103	n-Butylbenzene	91	23.568	23.568	0.0	97	3083726	11.6
104	Undecane	57	23.574	23.574	0.0	85	1402304	12.6
105	1,2-Dichlorobenzene	146	23.712	23.712	0.0	98	1986369	11.0
106	Dodecane	57	25.233	25.233	0.0	90	1179845	11.2
107	1,2,4-Trichlorobenzene	180	26.343	26.343	0.0	93	1544936	12.2
108	Hexachlorobutadiene	225	26.530	26.530	0.0	96	1350564	11.2
109	Naphthalene	128	26.872	26.872	0.0	99	2954966	13.4
110	1,2,3-Trichlorobenzene	180	27.373	27.373	0.0	96	1304913	12.4

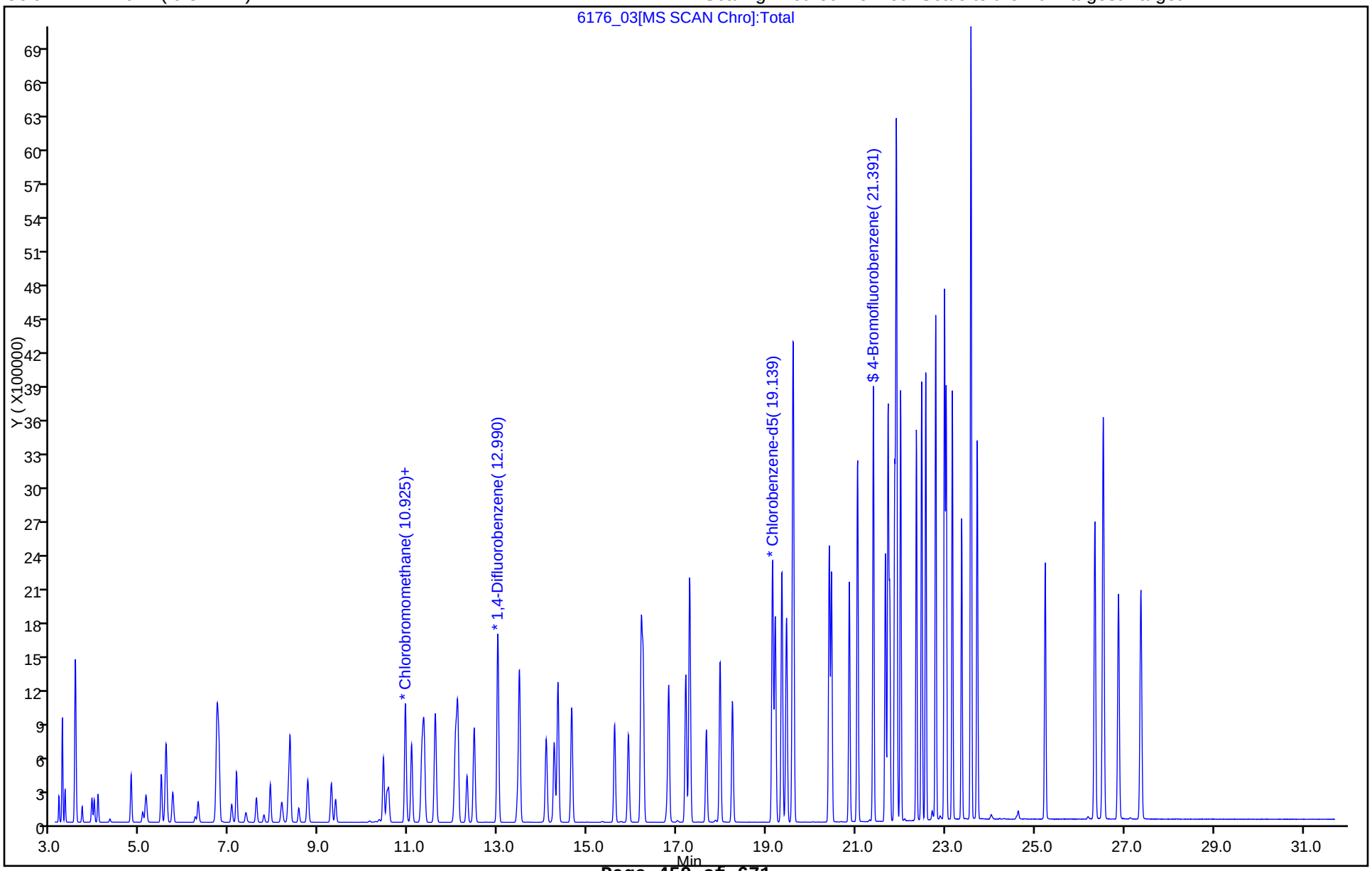
Report Date: 17-Feb-2014 13:51:33 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_03.D

Injection Date:	17-Feb-2014 12:00:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	CCVIS	Lab Sample ID:	LCS 200-67417/3-A	Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab Sample ID: CCVIS 200-68510/3 Calibration Date: 02/18/2014 14:07

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: 6208_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.1663	0.2026		12.2	10.0	21.8	30.0
Freon 12	Ave	1.683	1.939		11.5	10.0	15.2	30.0
Freon 22	Ave	0.5176	0.6154		11.9	10.0	18.9	30.0
Freon-114	Ave	1.767	1.997		11.3	10.0	13.0	30.0
Chloromethane	Ave	0.2664	0.3096		11.6	10.0	16.2	30.0
n-Butane	Ave	0.3806	0.4401		11.6	10.0	15.6	30.0
Vinyl chloride	Ave	0.4224	0.4921		11.6	10.0	16.5	30.0
1,3-Butadiene	Ave	0.2692	0.3068		11.4	10.0	14.0	30.0
Bromomethane	Ave	0.6591	0.7339		11.1	10.0	11.3	30.0
Chloroethane	Ave	0.2073	0.2374		11.5	10.0	14.5	30.0
Isopentane	Ave	0.2627	0.2923		11.1	10.0	11.3	30.0
Vinyl bromide	Ave	0.8147	0.8895		10.9	10.0	9.2	30.0
Freon 11	Ave	1.985	2.183		11.0	10.0	10.0	30.0
n-Pentane	Ave	0.4446	0.5100		11.5	10.0	14.7	30.0
Ethanol	Ave	0.0905	0.0969		16.1	15.0	7.1	30.0
Ethyl ether	Ave	0.3038	0.3384		11.1	10.0	11.4	30.0
Acrolein	Ave	0.1319	0.1524		11.5	10.0	15.5	30.0
Freon 113	Ave	1.460	1.594		10.9	10.0	9.2	30.0
1,1-Dichloroethene	Ave	0.6933	0.7518		10.8	10.0	8.4	30.0
Acetone	Ave	0.3906	0.5262		13.5	10.0	34.7*	30.0
Carbon disulfide	Ave	1.745	1.865		10.7	10.0	6.9	30.0
Isopropyl alcohol	Ave	0.2879	0.3309		11.5	10.0	14.9	30.0
Allyl chloride	Ave	0.2838	0.3245		11.4	10.0	14.3	30.0
Acetonitrile	Ave	0.2192	0.1835		8.37	10.0	-16.3	30.0
Methylene Chloride	Ave	0.3364	0.3637		10.8	10.0	8.1	30.0
tert-Butyl alcohol	Ave	0.7211	0.7903		11.0	10.0	9.6	30.0
Methyl tert-butyl ether	Ave	1.651	1.798		10.9	10.0	8.9	30.0
trans-1,2-Dichloroethene	Ave	0.6505	0.7178		11.0	10.0	10.3	30.0
Acrylonitrile	Ave	0.2482	0.2740		11.0	10.0	10.4	30.0
Hexane	Ave	0.6489	0.6883		10.6	10.0	6.1	30.0
1,1-Dichloroethane	Ave	0.9199	0.999		10.9	10.0	8.6	30.0
Vinyl acetate	Ave	0.6999	0.8130		11.6	10.0	16.2	30.0
cis-1,2-Dichloroethene	Ave	0.9487	1.009		10.6	10.0	6.4	30.0
Methyl Ethyl Ketone	Ave	0.3688	0.3795		10.3	10.0	2.9	30.0
Ethyl acetate	Ave	0.0780	0.0843		10.8	10.0	8.0	30.0
Tetrahydrofuran	Ave	0.0644	0.0764		11.9	10.0	18.5	30.0
Chloroform	Ave	1.762	1.879		10.7	10.0	6.6	30.0
Cyclohexane	Ave	0.2258	0.2418		10.7	10.0	7.1	30.0
1,1,1-Trichloroethane	Ave	0.3561	0.3930		11.0	10.0	10.3	30.0
Carbon tetrachloride	Ave	0.3919	0.4405		11.2	10.0	12.4	30.0
2,2,4-Trimethylpentane	Ave	0.5912	0.6308		10.7	10.0	6.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab Sample ID: CCVIS 200-68510/3 Calibration Date: 02/18/2014 14:07

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: 6208_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5194	0.5485		10.6	10.0	5.6	30.0
1,2-Dichloroethane	Ave	0.1831	0.2040		11.1	10.0	11.5	30.0
Heptane	Ave	0.1688	0.1794		10.6	10.0	6.3	30.0
n-Butanol	Ave	0.0724	0.0726		10.0	10.0	0.2	30.0
Trichloroethene	Ave	0.2679	0.2893		10.8	10.0	8.0	30.0
1,2-Dichloropropane	Ave	0.1923	0.2036		10.6	10.0	5.9	30.0
Methyl methacrylate	Ave	0.2021	0.2156		10.7	10.0	6.7	30.0
1,4-Dioxane	Ave	0.0894	0.0979		11.0	10.0	9.6	30.0
Dibromomethane	Ave	0.2658	0.2981		11.2	10.0	12.2	30.0
Bromodichloromethane	Ave	0.4044	0.4510		11.1	10.0	11.5	30.0
cis-1,3-Dichloropropene	Ave	0.3270	0.3558		10.9	10.0	8.8	30.0
methyl isobutyl ketone	Ave	0.2538	0.2829		11.1	10.0	11.5	30.0
Toluene	Ave	0.4926	0.5216		10.6	10.0	5.9	30.0
n-Octane	Ave	0.2879	0.3145		10.9	10.0	9.2	30.0
trans-1,3-Dichloropropene	Ave	0.3463	0.3736		10.8	10.0	7.9	30.0
1,1,2-Trichloroethane	Ave	0.2241	0.2407		10.7	10.0	7.4	30.0
Tetrachloroethene	Ave	0.4302	0.4829		11.2	10.0	12.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2588	0.2884		11.1	10.0	11.4	30.0
Dibromochloromethane	Ave	0.4767	0.5318		11.2	10.0	11.6	30.0
1,2-Dibromoethane	Ave	0.4366	0.4796		11.0	10.0	9.9	30.0
Chlorobenzene	Ave	0.6963	0.7490		10.8	10.0	7.6	30.0
Ethylbenzene	Ave	1.057	1.144		10.8	10.0	8.2	30.0
n-Nonane	Ave	0.4044	0.4312		10.7	10.0	6.6	30.0
m,p-Xylene	Ave	0.4403	0.4826		21.9	20.0	9.6	30.0
Xylene, o-	Ave	0.4307	0.4637		10.8	10.0	7.7	30.0
Styrene	Ave	0.6632	0.7284		11.0	10.0	9.8	30.0
Bromoform	Ave	0.5021	0.5761		11.5	10.0	14.7	30.0
Cumene	Ave	1.220	1.341		11.0	10.0	9.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5833	0.6411		11.0	10.0	9.9	30.0
n-Propylbenzene	Ave	1.429	1.574		11.0	10.0	10.1	30.0
1,2,3-Trichloropropane	Ave	0.4358	0.4814		11.0	10.0	10.5	30.0
n-Decane	Ave	0.4770	0.5373		11.3	10.0	12.6	30.0
4-Ethyltoluene	Ave	1.242	1.414		11.4	10.0	13.9	30.0
2-Chlorotoluene	Ave	0.9591	1.084		11.3	10.0	13.1	30.0
1,3,5-Trimethylbenzene	Ave	1.034	1.141		11.0	10.0	10.3	30.0
Alpha Methyl Styrene	Ave	0.5445	0.5767		10.6	10.0	5.9	30.0
tert-Butylbenzene	Ave	1.020	1.118		11.0	10.0	9.7	30.0
1,2,4-Trimethylbenzene	Ave	1.030	1.142		11.1	10.0	10.9	30.0
sec-Butylbenzene	Ave	1.495	1.649		11.0	10.0	10.3	30.0
4-Isopropyltoluene	Ave	1.311	1.452		11.1	10.0	10.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Lab Sample ID: CCVIS 200-68510/3 Calibration Date: 02/18/2014 14:07

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: 6208_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.7644	0.8496		11.1	10.0	11.1	30.0
1,4-Dichlorobenzene	Ave	0.7647	0.8497		11.1	10.0	11.1	30.0
Benzyl chloride	Ave	0.9052	1.016		11.2	10.0	12.3	30.0
n-Butylbenzene	Ave	1.063	1.233		11.6	10.0	16.0	30.0
n-Undecane	Ave	0.4458	0.5613		12.6	10.0	25.9	30.0
1,2-Dichlorobenzene	Ave	0.7209	0.7939		11.0	10.0	10.1	30.0
n-Dodecane	Ave	0.4199	0.4786		11.4	10.0	14.0	30.0
1,2,4-Trichlorobenzene	Ave	0.5087	0.6222		12.2	10.0	22.3	30.0
Hexachloro-1,3-butadiene	Ave	0.4833	0.5530		11.4	10.0	14.4	30.0
Naphthalene	Ave	0.8822	1.183		13.4	10.0	34.1*	30.0
1,2,3-Trichlorobenzene	Ave	0.4221	0.5270		12.5	10.0	24.8	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_03.D
Lims ID: CCVIS Lab Sample ID: LCS 200-67417/3-A
Client ID:
Sample Type: CCVIS
Inject. Date: 18-Feb-2014 14:07:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006208-003
Misc. Info.: ccvis
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub1

Method: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Feb-2014 17:06:08 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: desjardinsb Date: 18-Feb-2014 16:02:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
4 Propene	41	3.181	3.181	0.0	98	93539	12.2	
5 Dichlorodifluoromethane	85	3.256	3.256	0.0	98	895178	11.5	
6 Chlorodifluoromethane	51	3.320	3.320	0.0	92	284110	11.9	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.549	3.549	0.0	87	922162	11.3	
8 Chloromethane	50	3.699	3.699	0.0	99	142946	11.6	
9 Butane	43	3.918	3.918	0.0	97	203171	11.6	
10 Vinyl chloride	62	3.971	3.971	0.0	96	227198	11.6	
11 Butadiene	54	4.056	4.056	0.0	87	141647	11.4	
12 Bromomethane	94	4.798	4.798	0.0	99	338851	11.1	
13 Chloroethane	64	5.054	5.054	0.0	95	109613	11.5	
14 2-Methylbutane	43	5.124	5.124	0.0	84	134948	11.1	
15 Vinyl bromide	106	5.471	5.471	0.0	98	410661	10.9	
16 Trichlorofluoromethane	101	5.577	5.577	0.0	96	1007806	11.0	
17 Pentane	43	5.727	5.727	0.0	94	235454	11.5	
19 Ethanol	45	6.234	6.234	0.0	99	67150	16.1	
20 Ethyl ether	59	6.293	6.293	0.0	81	156250	11.1	
21 Acrolein	56	6.709	6.709	0.0	94	70340	11.5	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.720	6.720	0.0	89	736007	10.9	
23 1,1-Dichloroethene	96	6.762	6.762	0.0	82	347087	10.8	
24 BFB								
25 Acetone	43	7.045	7.045	0.0	92	242931	13.5	
26 Carbon disulfide	76	7.152	7.152	0.0	97	860906	10.7	
28 Isopropyl alcohol	45	7.360	7.360	0.0	98	152774	11.5	
29 3-Chloro-1-propene	41	7.595	7.595	0.0	75	149799	11.4	
30 Acetonitrile	41	7.766	7.766	0.0	99	84730	8.37	
31 Methylene Chloride	49	7.904	7.904	0.0	69	167920	10.8	
32 2-Methyl-2-propanol	59	8.166	8.166	0.0	97	364897	11.0	
33 Methyl tert-butyl ether	73	8.321	8.321	0.0	93	830272	10.9	
34 trans-1,2-Dichloroethene	61	8.353	8.353	0.0	77	331406	11.0	
35 Acrylonitrile	53	8.545	8.545	0.0	95	126508	11.0	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	36 Hexane	57	8.748	8.748 0.0	81	317776	10.6	
	37 1,1-Dichloroethane	63	9.271	9.271 0.0	98	461274	10.9	
	38 Vinyl acetate	43	9.367	9.367 0.0	97	375349	11.6	
S	39 1,2-Dichloroethene, Total	61			0		21.7	
	40 cis-1,2-Dichloroethene	96	10.434	10.434 0.0	86	466073	10.6	
	41 2-Butanone (MEK)	72	10.514	10.514 0.0	96	175228	10.3	
	42 Ethyl acetate	88	10.551	10.551 0.0	97	38930	10.8	
*	43 Chlorobromomethane	128	10.925	10.925 0.0	63	461785	10.0	
	44 Tetrahydrofuran	42	10.941	10.941 0.0	73	194924	11.9	
	45 Chloroform	83	11.064	11.064 0.0	98	867515	10.7	
	46 Cyclohexane	84	11.299	11.299 0.0	72	617009	10.7	
	47 1,1,1-Trichloroethane	97	11.341	11.341 0.0	91	1002821	11.0	
	49 Carbon tetrachloride	117	11.597	11.597 0.0	95	1124050	11.2	
	50 Isooctane	57	12.051	12.051 0.0	98	1609627	10.7	
	51 Benzene	78	12.099	12.099 0.0	92	1399830	10.6	
	52 1,2-Dichloroethane	62	12.307	12.307 0.0	99	520641	11.1	
	53 n-Heptane	43	12.462	12.462 0.0	75	457819	10.6	
*	54 1,4-Difluorobenzene	114	12.996	12.996 0.0	91	2552401	10.0	
	55 n-Butanol	56	13.433	13.433 0.0	78	185182	10.0	
	56 Trichloroethene	95	13.476	13.476 0.0	94	738320	10.8	
A	57 GRO	1	13.495	5.114 - 21.876	0	155907416	0	
	58 1,2-Dichloropropane	63	14.074	14.074 0.0	93	519652	10.6	
	59 Methyl methacrylate	69	14.255	14.255 0.0	76	550289	10.7	
	60 1,4-Dioxane	88	14.319	14.319 0.0	71	249838	11.0	
	61 Dibromomethane	174	14.341	14.341 0.0	91	760812	11.2	
	62 Dichlorobromomethane	83	14.645	14.645 0.0	98	1150915	11.1	
A	63 TVOC as Toluene	1	15.277	3.171 - 27.383	0	304350635	2420.7	
	64 cis-1,3-Dichloropropene	75	15.605	15.605 0.0	85	907905	10.9	
	65 4-Methyl-2-pentanone (MIBK)	43	15.915	15.915 0.0	87	722022	11.1	
	66 Toluene	92	16.203	16.203 0.0	93	1282629	10.6	
	68 n-Octane	43	16.241	16.241 0.0	78	802620	10.9	
	70 trans-1,3-Dichloropropene	75	16.817	16.817 0.0	90	953456	10.8	
	71 1,1,2-Trichloroethane	83	17.196	17.196 0.0	94	591969	10.7	
	72 Tetrachloroethene	166	17.287	17.287 0.0	95	1187336	11.2	
	73 2-Hexanone	43	17.655	17.655 0.0	86	709056	11.1	
	74 Chlorodibromomethane	129	17.964	17.964 0.0	97	1307616	11.2	
	75 Ethylene Dibromide	107	18.242	18.242 0.0	98	1179401	11.0	
*	76 Chlorobenzene-d5	117	19.139	19.139 0.0	80	2459389	10.0	
	77 Chlorobenzene	112	19.197	19.197 0.0	96	1841676	10.8	
	79 Ethylbenzene	91	19.347	19.347 0.0	96	2811916	10.8	
	80 n-Nonane	57	19.448	19.448 0.0	79	1060262	10.7	
	81 m-Xylene & p-Xylene	106	19.598	19.598 0.0	99	2373217	21.9	
S	82 Xylenes, Total	106			0		32.7	
	83 o-Xylene	106	20.403	20.403 0.0	94	1140296	10.8	
	84 Styrene	104	20.457	20.457 0.0	97	1790940	11.0	
	85 Bromoform	173	20.852	20.852 0.0	98	1416549	11.5	
	86 Isopropylbenzene	105	21.038	21.038 0.0	94	3298052	11.0	
$	87 4-Bromofluorobenzene	95	21.391	21.391 0.0	97	1696508	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.658	21.658 0.0	96	1576360	11.0	
	89 N-Propylbenzene	91	21.722	21.722 0.0	99	3869193	11.0	
	90 1,2,3-Trichloropropane	75	21.754	21.754 0.0	92	1183818	11.0	
	91 n-Decane	57	21.866	21.866 0.0	77	1321200	11.3	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
92 4-Ethyltoluene	105	21.898	21.898	0.0	95	3476432	11.4
93 2-Chlorotoluene	91	21.914	21.914	0.0	95	2666589	11.3
94 1,3,5-Trimethylbenzene	105	21.999	21.999	0.0	94	2805008	11.0
95 Alpha Methyl Styrene	118	22.351	22.351	0.0	90	1418078	10.6
96 tert-Butylbenzene	119	22.474	22.474	0.0	91	2750242	11.0
97 1,2,4-Trimethylbenzene	105	22.565	22.565	0.0	95	2808023	11.1
98 sec-Butylbenzene	105	22.784	22.784	0.0	98	4054350	11.0
99 4-Isopropyltoluene	119	22.981	22.981	0.0	95	3569615	11.1
100 1,3-Dichlorobenzene	146	23.018	23.018	0.0	98	2088970	11.1
101 1,4-Dichlorobenzene	146	23.157	23.157	0.0	96	2089237	11.1
102 Benzyl chloride	91	23.365	23.365	0.0	99	2499097	11.2
103 n-Butylbenzene	91	23.573	23.573	0.0	97	3031756	11.6
104 Undecane	57	23.579	23.579	0.0	86	1380251	12.6
105 1,2-Dichlorobenzene	146	23.712	23.712	0.0	98	1952093	11.0
106 Dodecane	57	25.233	25.233	0.0	90	1176712	11.4
107 1,2,4-Trichlorobenzene	180	26.343	26.343	0.0	93	1529986	12.2
108 Hexachlorobutadiene	225	26.530	26.530	0.0	95	1359676	11.4
109 Naphthalene	128	26.872	26.872	0.0	99	2909447	13.4
110 1,2,3-Trichlorobenzene	180	27.373	27.373	0.0	94	1295820	12.5

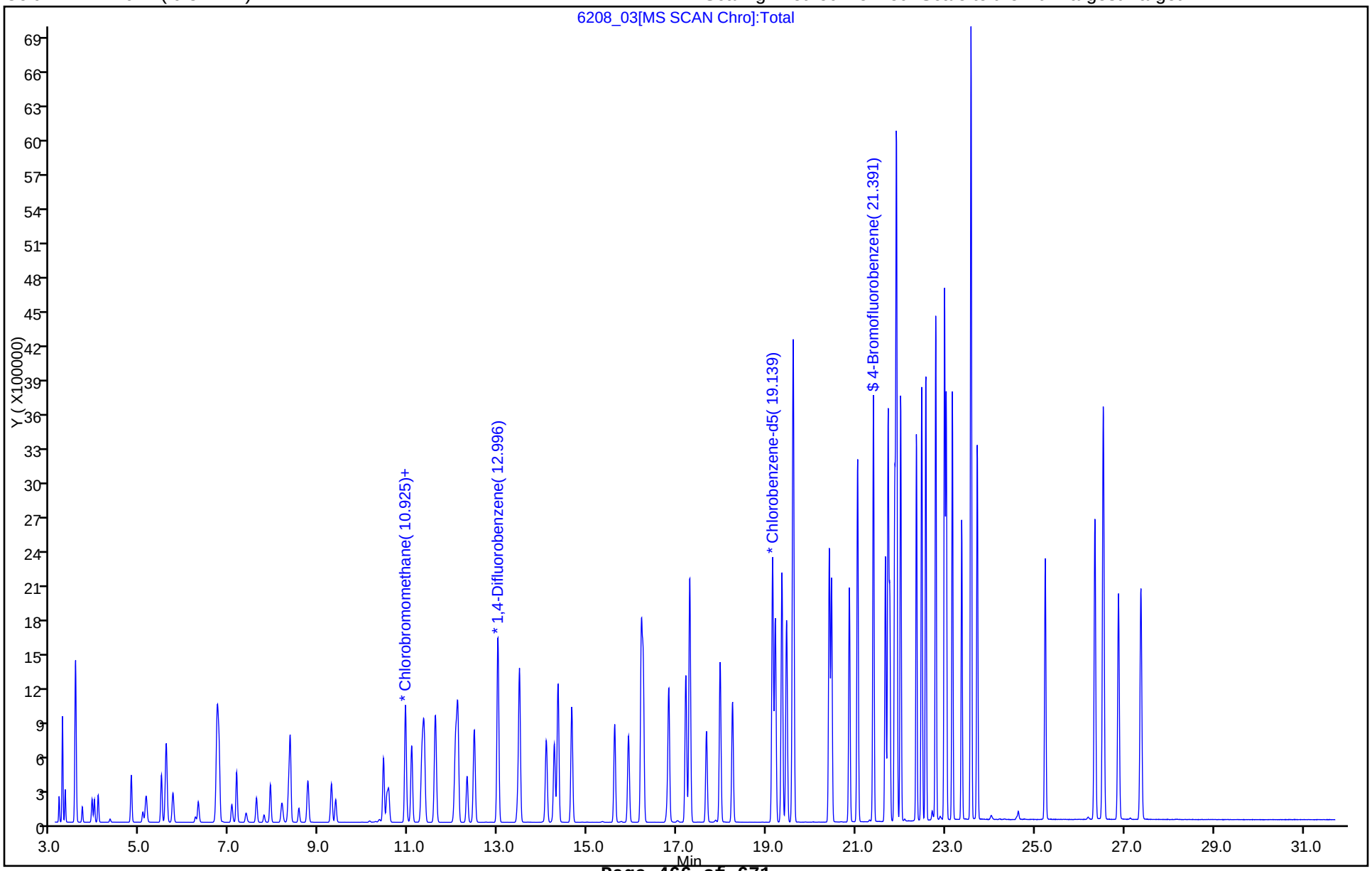
Report Date: 18-Feb-2014 17:06:09 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_03.D

Injection Date:	18-Feb-2014 14:07:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	CCVIS	Lab Sample ID:	LCS 200-67417/3-A	Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma001.D				
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	03-Jan-2014 07:37:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0005623-001				
Misc. Info.:	bfb				
Operator ID:	pad	Instrument ID:	CHC.i		
Method:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	21-Jan-2014 12:19:28	Calib Date:	03-Jan-2014 15:48:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK033				

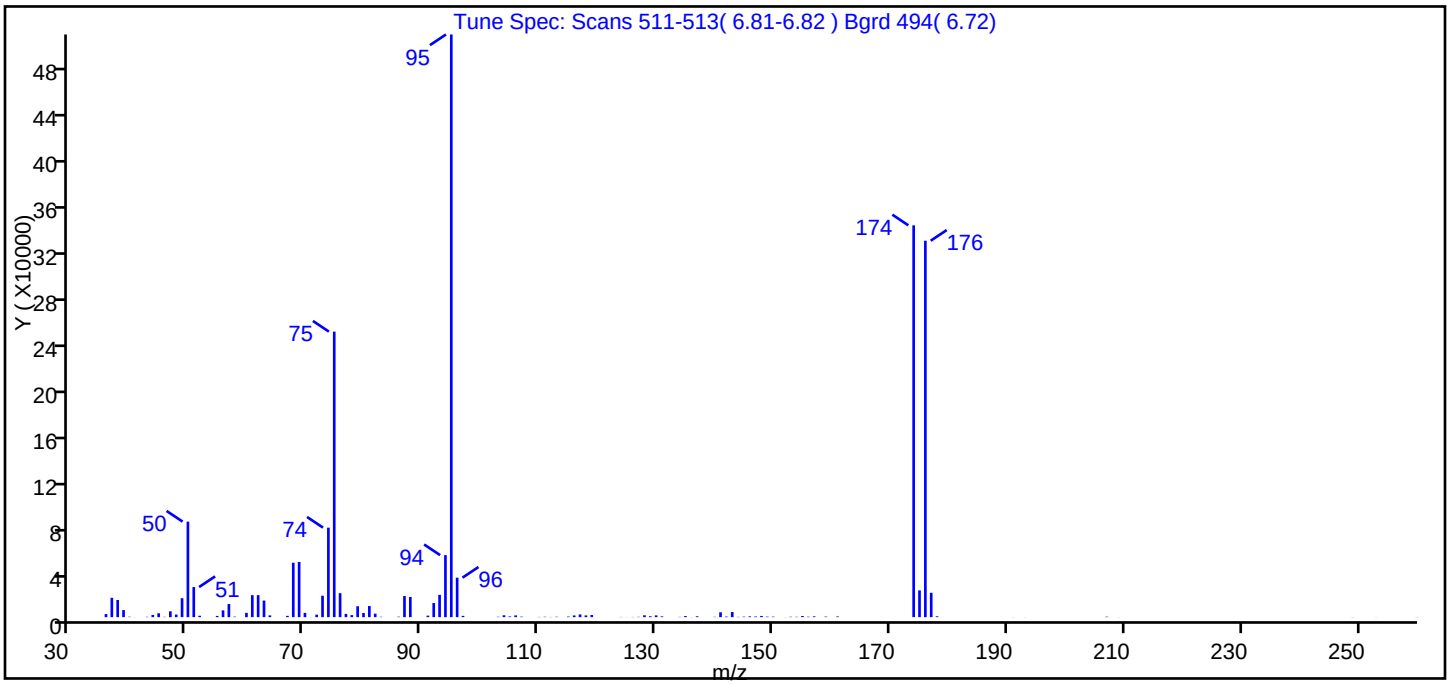
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
18 BFB								
* 43 Chlorobromomethane	128	10.936						
* 54 1,4-Difluorobenzene	114	13.006						
* 76 Chlorobenzene-d5	117	19.149						
$ 87 4-Bromofluorobenzene	95	21.401						

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma001.D
Injection Date: 03-Jan-2014 07:37:30 Instrument ID: CHC.i
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: pad ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

18 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	16.40
75	30.00 - 66.00% of mass 95	49.00
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	67.20
175	4.00 - 9.00% of mass 174	4.60 (6.80)
176	93.00 - 101.00% of mass 174	64.60 (96.10)
177	5.00 - 9.00% of mass 176	4.20 (6.50)

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma001.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 03-Jan-2014 07:37:30
Spectrum: Tune Spec: Scans 511-513(6.81-6.82) Bgrd 494(6.72)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 110

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2627	70.00	3648	107.00	417	146.00	658
37.00	16616	71.00	79	110.00	188	147.00	559
38.00	14742	72.00	2101	111.00	328	148.00	1038
39.00	6074	73.00	18408	112.00	153	149.00	434
40.00	322	74.00	76960	113.00	328	150.00	417
41.00	64	75.00	245504	115.00	496	152.00	86
43.00	294	76.00	20632	116.00	1457	153.00	322
44.00	1870	77.00	2814	117.00	2328	154.00	286
45.00	3299	78.00	1728	118.00	1486	155.00	947
46.00	252	79.00	9371	119.00	1831	156.00	374
47.00	5027	80.00	3558	124.00	170	157.00	682
48.00	2196	81.00	9566	125.00	71	159.00	473
49.00	16281	82.00	3012	126.00	166	161.00	587
50.00	82144	83.00	325	127.00	265	174.00	336896
51.00	25880	86.00	391	128.00	1603	175.00	22984
52.00	1206	87.00	18152	129.00	787	176.00	323648
55.00	1058	88.00	17376	130.00	1499	177.00	20928
56.00	5830	91.00	1296	131.00	656	178.00	725
57.00	11281	92.00	12141	134.00	228	191.00	83
58.00	437	93.00	19160	135.00	943	193.00	76
60.00	3689	94.00	53320	136.00	71	207.00	388
61.00	18912	95.00	500992	137.00	736	209.00	73
62.00	18936	96.00	33936	140.00	277	232.00	4
63.00	14259	97.00	1106	141.00	4179	249.00	105
64.00	1505	103.00	329	142.00	493	253.00	44
67.00	1096	104.00	1602	143.00	4380	260.00	161
68.00	46768	105.00	606	144.00	230		
69.00	47456	106.00	1491	145.00	413		

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_01.D
Lims ID: BFB Lab Sample ID:
Client ID:
Sample Type: BFB
Inject. Date: 14-Feb-2014 14:13:30 ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006163-001
Misc. Info.: bfb
Operator ID: pad Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 14-Feb-2014 14:23:51 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: desjardinsb Date: 14-Feb-2014 14:23:51

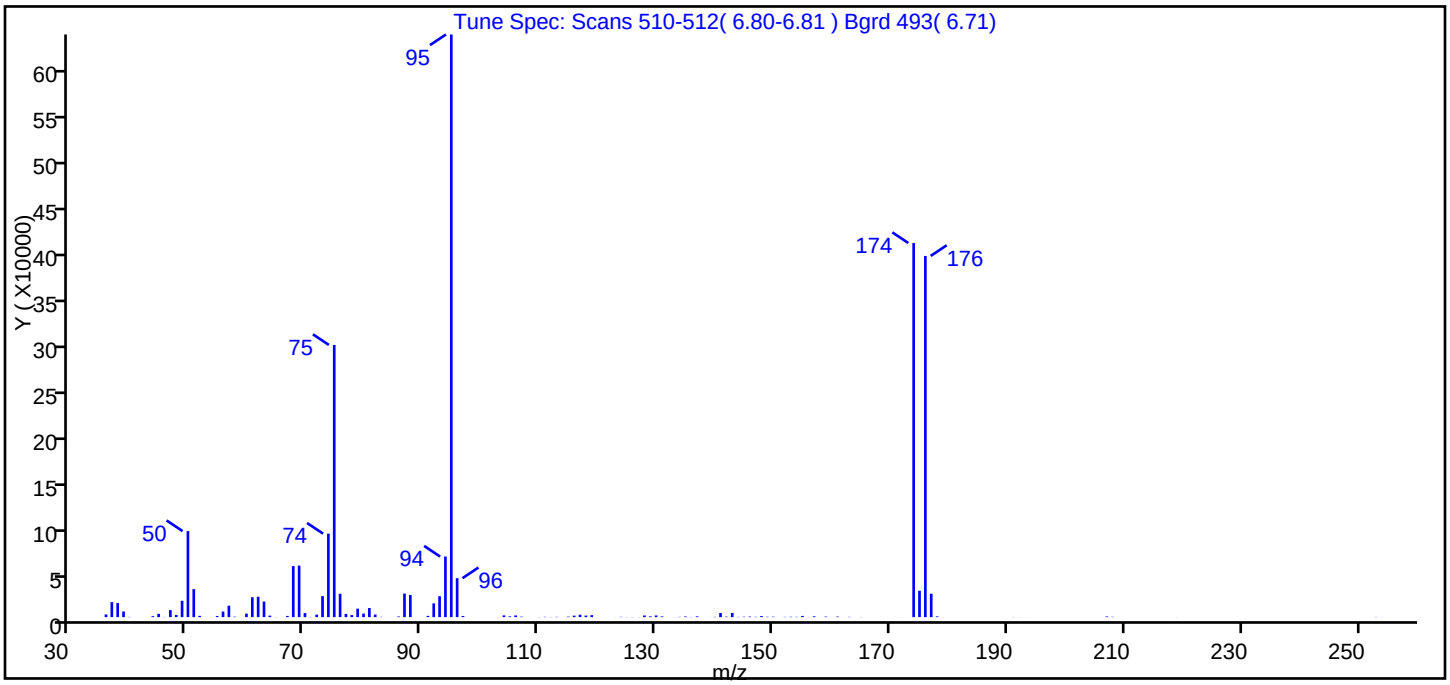
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
24 BFB								
* 43 Chlorobromomethane	128		10.930					
* 54 1,4-Difluorobenzene	114		12.996					
* 76 Chlorobenzene-d5	117		19.139					
$ 87 4-Bromofluorobenzene	95		21.396					

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_01.D
Injection Date: 14-Feb-2014 14:13:30 Instrument ID: CHC.i
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: pad ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

24 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.80
75	30.00 - 66.00% of mass 95	46.70
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	64.20
175	4.00 - 9.00% of mass 174	4.50 (7.10)
176	93.00 - 101.00% of mass 174	62.00 (96.60)
177	5.00 - 9.00% of mass 176	4.00 (6.50)

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_01.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 14-Feb-2014 14:13:30
Spectrum: Tune Spec: Scans 510-512(6.80-6.81) Bgrd 493(6.71)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2969	72.00	2703	113.00	305	148.00	1150
37.00	16369	73.00	22944	115.00	559	149.00	410
38.00	15350	74.00	91120	116.00	1660	150.00	484
39.00	6193	75.00	297024	117.00	2663	152.00	283
40.00	244	76.00	25520	118.00	1733	153.00	402
43.00	69	77.00	3525	119.00	2166	154.00	324
44.00	1040	78.00	2212	120.00	79	155.00	1313
45.00	3634	79.00	9279	123.00	66	156.00	98
46.00	200	80.00	3851	124.00	321	157.00	889
47.00	7712	81.00	9931	125.00	141	159.00	594
48.00	2386	82.00	2840	126.00	163	161.00	633
49.00	17856	83.00	318	127.00	95	163.00	289
50.00	93888	86.00	712	128.00	1829	165.00	146
51.00	30560	87.00	25704	129.00	847	172.00	67
52.00	1429	88.00	24216	130.00	1851	174.00	408256
55.00	1191	91.00	1398	131.00	783	175.00	28800
56.00	6099	92.00	15032	133.00	109	176.00	394176
57.00	12511	93.00	22840	134.00	274	177.00	25576
58.00	499	94.00	66096	135.00	728	178.00	820
60.00	3861	95.00	635840	136.00	155	179.00	70
61.00	21752	96.00	42504	137.00	842	191.00	128
62.00	22264	97.00	1292	139.00	69	192.00	84
63.00	17048	103.00	113	140.00	309	193.00	32
64.00	1662	104.00	1929	141.00	4558	207.00	758
65.00	144	105.00	859	142.00	523	208.00	352
67.00	1354	106.00	1853	143.00	4564	209.00	61
68.00	55728	107.00	526	144.00	290	219.00	91
69.00	56232	110.00	147	145.00	450	253.00	214
70.00	4429	111.00	346	146.00	609	254.00	68
71.00	172	112.00	177	147.00	343		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_01.D				
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	17-Feb-2014 10:16:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0006176-001				
Misc. Info.:	bfb				
Operator ID:	wrd	Instrument ID:	CHC.i		
Method:	\\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\TO15_LLNJ_TO3_CHC.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	17-Feb-2014 10:31:59	Calib Date:	03-Jan-2014 15:48:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK023				
First Level Reviewer: desjardinsb		Date:	17-Feb-2014 10:31:59		

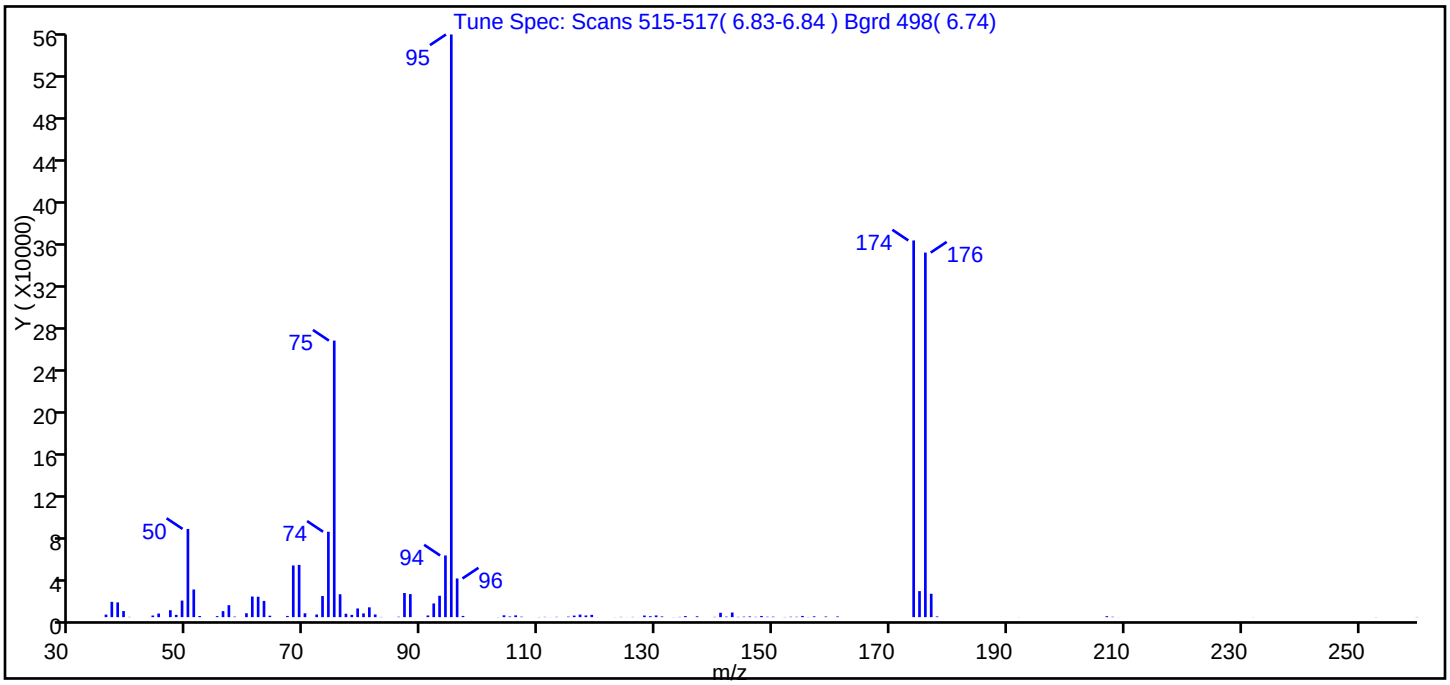
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
24 BFB								
* 43 Chlorobromomethane	128		10.930					
* 54 1,4-Difluorobenzene	114		13.001					
* 76 Chlorobenzene-d5	117		19.144					
$ 87 4-Bromofluorobenzene	95		21.396					

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_01.D
Injection Date: 17-Feb-2014 10:16:30 Instrument ID: CHC.i
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

24 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	15.10
75	30.00 - 66.00% of mass 95	47.50
96	5.00 - 9.00% of mass 95	6.60
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	64.70
175	4.00 - 9.00% of mass 174	4.50 (6.90)
176	93.00 - 101.00% of mass 174	62.60 (96.80)
177	5.00 - 9.00% of mass 176	4.00 (6.40)

Report Date: 17-Feb-2014 10:31:59 Chrom Revision: 2.1 15-Jan-2014 14:06:26

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_01.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 17-Feb-2014 10:16:30
Spectrum: Tune Spec: Scans 515-517(6.83-6.84) Bgrd 498(6.74)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2420	73.00	20032	111.00	260	145.00	444
37.00	14520	74.00	81104	112.00	72	146.00	651
38.00	13975	75.00	262592	113.00	282	147.00	288
39.00	5818	76.00	21728	115.00	494	148.00	1135
40.00	234	77.00	3231	116.00	1465	149.00	368
44.00	1540	78.00	2143	117.00	2434	150.00	437
45.00	3412	79.00	8270	118.00	1597	152.00	167
47.00	6583	80.00	3546	119.00	2170	153.00	385
48.00	2151	81.00	9309	120.00	85	154.00	341
49.00	15730	82.00	2532	123.00	82	155.00	1145
50.00	83752	83.00	202	124.00	242	156.00	166
51.00	26256	86.00	388	125.00	72	157.00	764
52.00	1114	87.00	22928	126.00	223	159.00	618
55.00	955	88.00	21896	127.00	44	161.00	661
56.00	5720	91.00	1581	128.00	1531	174.00	357696
57.00	11342	92.00	13003	129.00	887	175.00	24712
58.00	498	93.00	20320	130.00	1620	176.00	346176
60.00	3721	94.00	58560	131.00	665	177.00	22208
61.00	19568	95.00	553280	133.00	117	178.00	683
62.00	19376	96.00	36712	134.00	227	191.00	10
63.00	15422	97.00	1161	135.00	1034	192.00	72
64.00	1353	103.00	131	137.00	803	207.00	921
67.00	1130	104.00	1747	140.00	264	208.00	352
68.00	49088	105.00	608	141.00	4129	209.00	62
69.00	49608	106.00	1692	142.00	488	232.00	91
70.00	3660	107.00	425	143.00	4383	253.00	120
72.00	2487	110.00	170	144.00	277	260.00	181

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_01.D				
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	18-Feb-2014 12:25:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0006208-001				
Misc. Info.:	bfb				
Operator ID:	wrd	Instrument ID:	CHC.i		
Method:	\\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\TO15_LLNJ_TO3_CHC.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	18-Feb-2014 12:48:24	Calib Date:	03-Jan-2014 15:48:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK053				
First Level Reviewer: desjardinsb		Date:	18-Feb-2014 12:48:24		

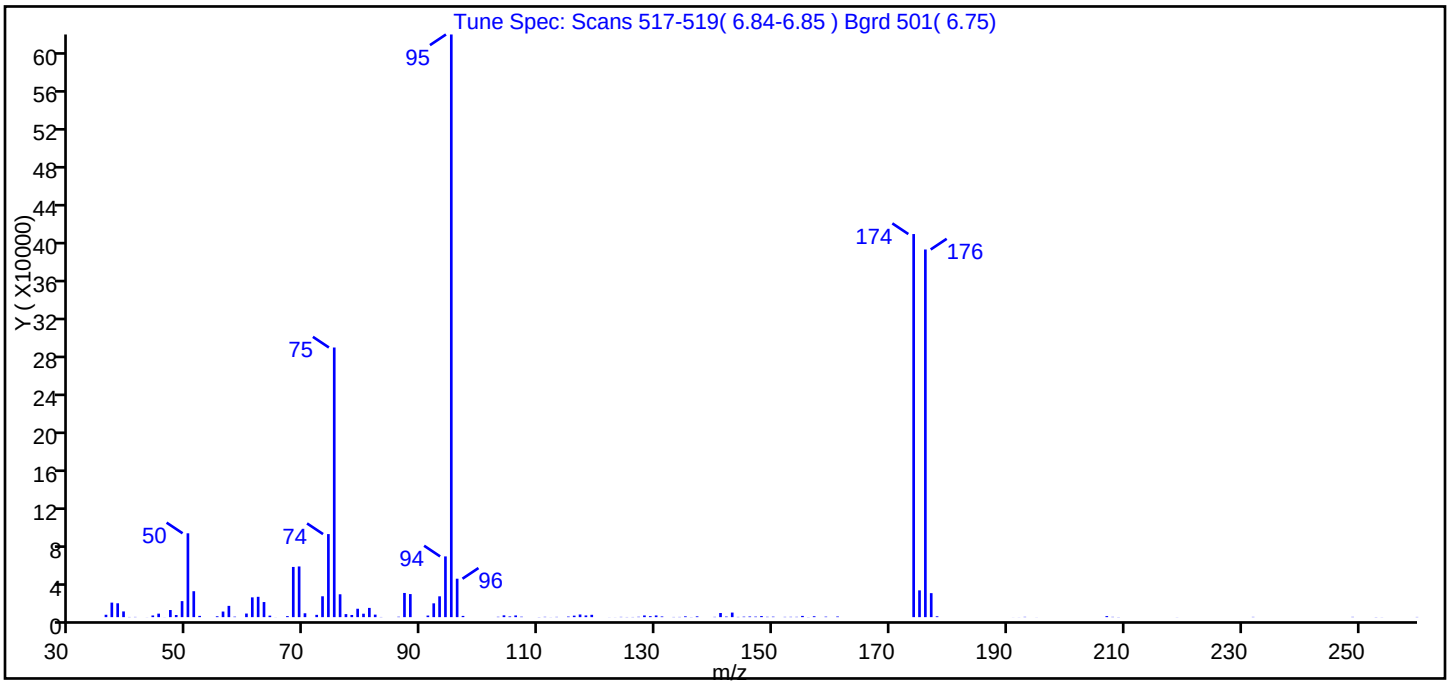
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
24 BFB								
* 43 Chlorobromomethane	128		10.920					
* 54 1,4-Difluorobenzene	114		12.990					
* 76 Chlorobenzene-d5	117		19.133					
$ 87 4-Bromofluorobenzene	95		21.391					

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_01.D
Injection Date: 18-Feb-2014 12:25:30 Instrument ID: CHC.i
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

24 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.40
75	30.00 - 66.00% of mass 95	46.30
96	5.00 - 9.00% of mass 95	6.60
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	65.70
175	4.00 - 9.00% of mass 174	4.60 (7.00)
176	93.00 - 101.00% of mass 174	63.10 (96.00)
177	5.00 - 9.00% of mass 176	4.10 (6.50)

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_01.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 18-Feb-2014 12:25:30
Spectrum: Tune Spec: Scans 517-519(6.84-6.85) Bgrd 501(6.75)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 118

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2518	72.00	2421	113.00	278	149.00	361
37.00	15303	73.00	21968	115.00	608	150.00	498
38.00	14602	74.00	87464	116.00	1587	152.00	292
39.00	6029	75.00	283968	117.00	2777	153.00	334
40.00	190	76.00	24088	118.00	1791	154.00	323
41.00	242	77.00	3182	119.00	2455	155.00	1292
43.00	72	78.00	2279	122.00	73	156.00	138
44.00	1752	79.00	8842	123.00	74	157.00	951
45.00	3685	80.00	3623	124.00	277	159.00	527
46.00	77	81.00	9726	125.00	168	161.00	682
47.00	7497	82.00	2645	126.00	182	174.00	403456
48.00	2229	83.00	181	127.00	372	175.00	28216
49.00	16880	86.00	425	128.00	1790	176.00	387200
50.00	88296	87.00	25472	129.00	1023	177.00	25280
51.00	27304	88.00	24304	130.00	1767	178.00	880
52.00	1346	91.00	1670	131.00	718	191.00	56
55.00	908	92.00	14539	133.00	207	192.00	71
56.00	5902	93.00	21936	134.00	235	193.00	313
57.00	11870	94.00	63968	135.00	852	195.00	67
58.00	508	95.00	613632	136.00	136	207.00	1105
60.00	3803	96.00	40472	137.00	837	208.00	298
61.00	20832	97.00	1310	140.00	306	209.00	154
62.00	21416	103.00	371	141.00	4350	219.00	85
63.00	15905	104.00	1902	142.00	605	232.00	271
64.00	1593	105.00	757	143.00	4808	249.00	284
65.00	68	106.00	1775	144.00	261	253.00	155
67.00	1076	107.00	455	145.00	515	254.00	89
68.00	52872	110.00	150	146.00	684	260.00	218
69.00	53376	111.00	331	147.00	567		
70.00	4075	112.00	88	148.00	1144		

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68401/6

Matrix: Air Lab File ID: 6163_06.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/14/2014 18:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50	U	0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.20	U	0.20	0.030
76-13-1	Freon 113	187.38	0.20	U	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.0	U	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68401/6

Matrix: Air Lab File ID: 6163_06.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/14/2014 18:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.20	U	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.023
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68401/6

Matrix: Air Lab File ID: 6163_06.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/14/2014 18:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68401/6

Matrix: Air Lab File ID: 6163_06.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/14/2014 18:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	U	2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.1	U	1.1	0.17
76-13-1	Freon 113	187.38	1.5	U	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12	U	12	3.0
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68401/6

Matrix: Air Lab File ID: 6163_06.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/14/2014 18:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.10
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68401/6

Matrix: Air Lab File ID: 6163_06.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/14/2014 18:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_06.D
Lims ID: MB Lab Sample ID: MB 200-68401/6-A
Client ID:
Sample Type: MB
Inject. Date: 14-Feb-2014 18:41:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006163-006
Misc. Info.: mb
Operator ID: pad Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Feb-2014 14:38:43 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desjardinsb Date: 17-Feb-2014 14:40:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Difluoroethane TIC	51		3.150					
2 Chlorotrifluoroethene TIC	116		3.162					
3 Freon 115 TIC	85		3.180					
4 Propene	41		3.187					
5 Dichlorodifluoromethane	85		3.261					
6 Chlorodifluoromethane	51		3.325					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.555					
8 Chloromethane	50		3.704					
9 Butane	43		3.923					
10 Vinyl chloride	62		3.976					
11 Butadiene	54		4.062					
12 Bromomethane	94		4.798					
13 Chloroethane	64		5.065					
14 2-Methylbutane	43		5.134					
15 Vinyl bromide	106		5.476					
16 Trichlorofluoromethane	101		5.583					
17 Pentane	43		5.732					
18 1,1,1-Trifluoro-2,2-dichloroetha	83		6.000					
19 Ethanol	45		6.239					
20 Ethyl ether	59		6.303					
21 Acrolein	56		6.720					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.725					
23 1,1-Dichloroethene	96		6.768					
25 Acetone	43		7.050					
26 Carbon disulfide	76		7.157					
27 Methyl Acetate TIC	43	7.093	7.200	-0.107	31	1606	NC	
28 Isopropyl alcohol	45		7.371					
29 3-Chloro-1-propene	41		7.600					
30 Acetonitrile	41		7.771					
31 Methylene Chloride	49		7.910					
32 2-Methyl-2-propanol	59		8.177					

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
33 Methyl tert-butyl ether			73	8.331			
34 trans-1,2-Dichloroethene			61	8.358			
35 Acrylonitrile			53	8.550			
36 Hexane			57	8.748			
37 1,1-Dichloroethane			63	9.276			
38 Vinyl acetate			43	9.372			
S 39 1,2-Dichloroethene, Total			61	10.200			
40 cis-1,2-Dichloroethene			96	10.439			
41 2-Butanone (MEK)			72	10.519			
42 Ethyl acetate			88	10.557			
* 43 Chlorobromomethane	128	10.925	10.930	-0.005	61	451143	10.0
44 Tetrahydrofuran			42	10.946			
45 Chloroform			83	11.069			
46 Cyclohexane			84	11.304			
47 1,1,1-Trichloroethane			97	11.347			
48 Methyl cyclohexane TIC			55	11.500			
49 Carbon tetrachloride			117	11.597			
50 Isooctane			57	12.062			
51 Benzene			78	12.104			
52 1,2-Dichloroethane			62	12.307			
53 n-Heptane			43	12.473			
* 54 1,4-Difluorobenzene	114	12.996	13.001	-0.005	91	2572621	10.0
55 n-Butanol			56	13.444			
56 Trichloroethene			95	13.481			
A 57 GRO	1	13.503	5.124 -	21.881	0	344118	0
58 1,2-Dichloropropane			63	14.079			
59 Methyl methacrylate			69	14.261			
60 1,4-Dioxane			88	14.330			
61 Dibromomethane			174	14.346			
62 Dichlorobromomethane			83	14.650			
A 63 TVOC as Toluene	1	15.285	3.177 -	27.394	0	379917	3.00
64 cis-1,3-Dichloropropene			75	15.611			
65 4-Methyl-2-pentanone (MIBK)			43	15.920			
A 67 Toluene Range	1	16.209	16.169	-16.249	0	5721	NC
66 Toluene			92	16.209			
A 69 C8 Range	1	16.257	16.196	-16.296	0	536	NC
68 n-Octane			43	16.246			
70 trans-1,3-Dichloropropene			75	16.822			
71 1,1,2-Trichloroethane			83	17.201			
72 Tetrachloroethene			166	17.287			
73 2-Hexanone			43	17.660			
74 Chlorodibromomethane			129	17.970			
75 Ethylene Dibromide			107	18.247			
* 76 Chlorobenzene-d5	117	19.139	19.144	-0.005	81	2389336	10.0
77 Chlorobenzene			112	19.203			
78 1,2-Dibromo-3-Chloropropane TIC	75	19.133	19.300	-0.167	1	26520	NC
79 Ethylbenzene			91	19.352			
80 n-Nonane			57	19.453			
81 m-Xylene & p-Xylene			106	19.603			
S 82 Xylenes, Total			106	20.100			
83 o-Xylene			106	20.409			
84 Styrene			104	20.457			

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	85 Bromoform			173		20.857				
	86 Isopropylbenzene			105		21.044				
$	87 4-Bromofluorobenzene			95	21.391	21.396	-0.005	97	1585185	NC
	88 1,1,2,2-Tetrachloroethane			83		21.663				
	89 N-Propylbenzene			91		21.722				
	90 1,2,3-Trichloropropane			75		21.759				
	91 n-Decane			57		21.871				
	92 4-Ethyltoluene			105		21.903				
	93 2-Chlorotoluene			91		21.919				
	94 1,3,5-Trimethylbenzene			105		22.004				
	95 Alpha Methyl Styrene			118		22.357				
	96 tert-Butylbenzene			119		22.474				
	97 1,2,4-Trimethylbenzene			105		22.565				
	98 sec-Butylbenzene			105		22.789				
	99 4-Isopropyltoluene			119		22.986				
	100 1,3-Dichlorobenzene			146		23.024				
	101 1,4-Dichlorobenzene			146		23.163				
	102 Benzyl chloride			91		23.371				
	103 n-Butylbenzene			91		23.573				
	104 Undecane			57		23.584				
	105 1,2-Dichlorobenzene			146		23.718				
	106 Dodecane			57		25.239				
	107 1,2,4-Trichlorobenzene			180		26.349				
	108 Hexachlorobutadiene			225		26.541				
	109 Naphthalene			128		26.877				
	110 1,2,3-Trichlorobenzene			180		27.384				

WorkSheet Quantitation Report

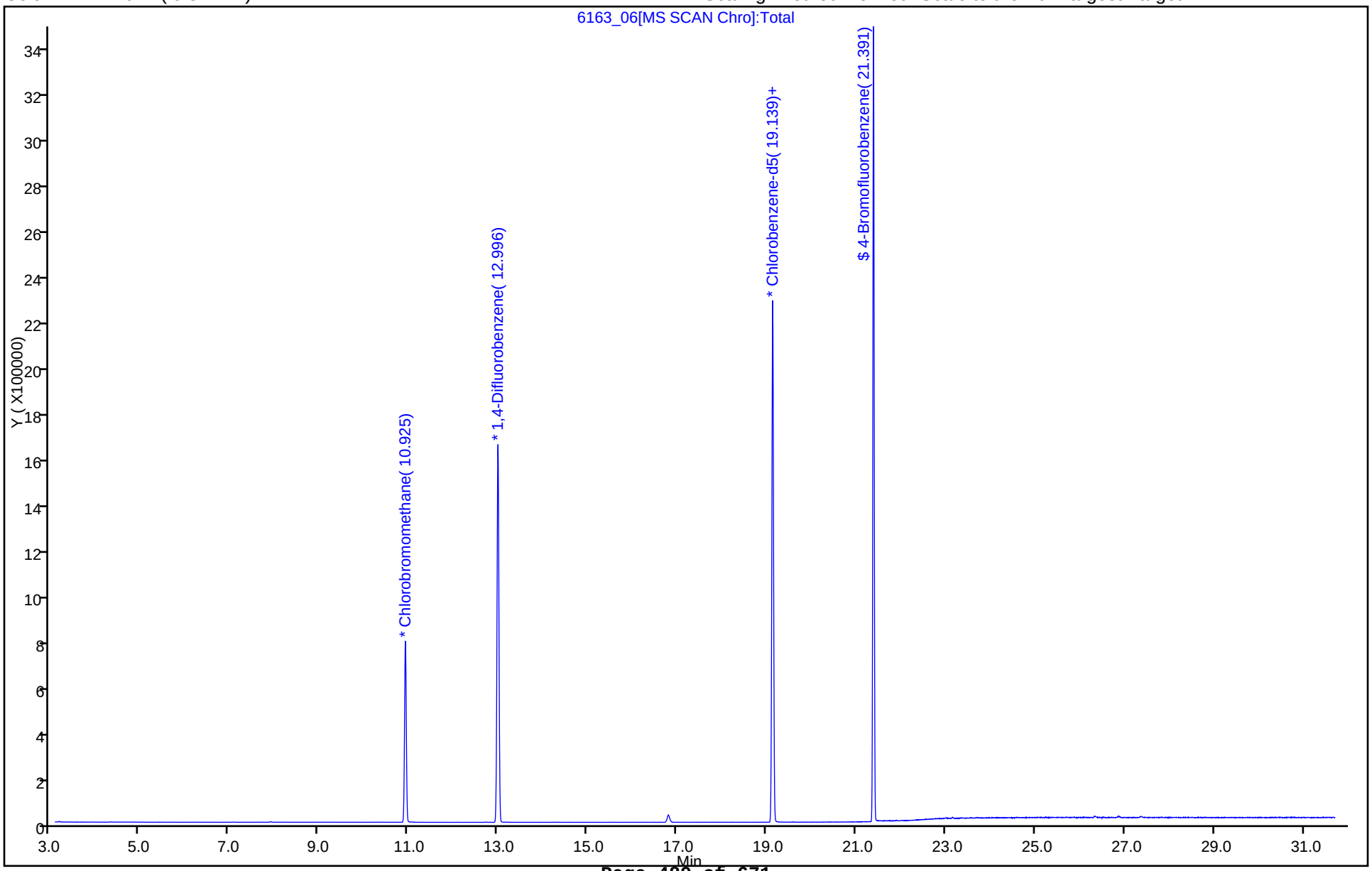
Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 17-Feb-2014 14:40:40 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_06.D				
Injection Date:	14-Feb-2014 18:41:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	MB	Lab Sample ID:	MB 200-68401/6-A	Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68430/5

Matrix: Air Lab File ID: 6176_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 13:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50	U	0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.20	U	0.20	0.030
76-13-1	Freon 113	187.38	0.20	U	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.0	U	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68430/5

Matrix: Air Lab File ID: 6176_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 13:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.20	U	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.023
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68430/5

Matrix: Air Lab File ID: 6176_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 13:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68430/5

Matrix: Air Lab File ID: 6176_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 13:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	U	2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.1	U	1.1	0.17
76-13-1	Freon 113	187.38	1.5	U	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12	U	12	3.0
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68430/5

Matrix: Air Lab File ID: 6176_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 13:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.10
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68430/5

Matrix: Air Lab File ID: 6176_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 13:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_05.D
Lims ID: MB Lab Sample ID: MB 200-68430/5-A
Client ID:
Sample Type: MB
Inject. Date: 17-Feb-2014 13:45:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006176-005
Misc. Info.: lcsd
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Feb-2014 12:23:29 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: desjardinsb Date: 18-Feb-2014 12:23:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Difluoroethane TIC	51		3.150					
2 Chlorotrifluoroethene TIC	116		3.162					
4 Propene	41		3.176					
3 Freon 115 TIC	85	3.261	3.180	0.081	7	1621	NC	
5 Dichlorodifluoromethane	85		3.256					
6 Chlorodifluoromethane	51		3.315					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.544					
8 Chloromethane	50		3.699					
9 Butane	43		3.918					
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.793					
13 Chloroethane	64		5.049					
14 2-Methylbutane	43		5.124					
15 Vinyl bromide	106		5.465					
16 Trichlorofluoromethane	101		5.572					
17 Pentane	43		5.722					
18 1,1,1-Trifluoro-2,2-dichloroetha	83		6.000					
19 Ethanol	45		6.223					
20 Ethyl ether	59		6.293					
21 Acrolein	56		6.709					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.714					
23 1,1-Dichloroethene	96		6.757					
25 Acetone	43		7.040					
26 Carbon disulfide	76		7.147					
27 Methyl Acetate TIC	43	7.082	7.200	-0.118	31	2435	NC	
28 Isopropyl alcohol	45		7.360					
29 3-Chloro-1-propene	41		7.595					
30 Acetonitrile	41		7.760					
31 Methylene Chloride	49		7.904					
32 2-Methyl-2-propanol	59		8.161					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	33 Methyl tert-butyl ether	73		8.321						
	34 trans-1,2-Dichloroethene	61		8.347						
	35 Acrylonitrile	53		8.539						
	36 Hexane	57		8.742						
	37 1,1-Dichloroethane	63		9.271						
	38 Vinyl acetate	43		9.361						
S	39 1,2-Dichloroethene, Total	61		10.200						
	40 cis-1,2-Dichloroethene	96		10.434						
	41 2-Butanone (MEK)	72		10.509						
	42 Ethyl acetate	88		10.546						
*	43 Chlorobromomethane	128	10.920	10.920	0.0		64	434025	10.0	
	44 Tetrahydrofuran	42		10.936						
	45 Chloroform	83		11.064						
	46 Cyclohexane	84		11.293						
	47 1,1,1-Trichloroethane	97		11.341						
	48 Methyl cyclohexane TIC	55		11.500						
	49 Carbon tetrachloride	117		11.592						
	50 Isooctane	57		12.051						
	51 Benzene	78		12.099						
	52 1,2-Dichloroethane	62		12.302						
	53 n-Heptane	43		12.462						
*	54 1,4-Difluorobenzene	114	12.990	12.990	0.0		91	2449473	10.0	
	55 n-Butanol	56		13.433						
	56 Trichloroethene	95		13.476						
A	57 GRO	1	13.495	5.114 - 21.876	0			508039	0	
	58 1,2-Dichloropropane	63		14.074						
	59 Methyl methacrylate	69		14.250						
	60 1,4-Dioxane	88		14.319						
	61 Dibromomethane	174		14.341						
	62 Dichlorobromomethane	83		14.645						
A	63 TVOC as Toluene	1	15.275	3.166 - 27.383	0			610274	5.06	
	64 cis-1,3-Dichloropropene	75		15.600						
	65 4-Methyl-2-pentanone (MIBK)	43		15.910						
A	67 Toluene Range	1	16.198	16.158 - 16.238	0			3511	NC	
	66 Toluene	92		16.198						
A	69 C8 Range	1	16.241	16.191 - 16.291	0			19792	NC	
	68 n-Octane	43		16.241						
	70 trans-1,3-Dichloropropene	75		16.812						
	71 1,1,2-Trichloroethane	83		17.196						
	72 Tetrachloroethene	166		17.281						
	73 2-Hexanone	43		17.655						
	74 Chlorodibromomethane	129		17.964						
	75 Ethylene Dibromide	107		18.237						
*	76 Chlorobenzene-d5	117	19.133	19.133	0.0		81	2236271	10.0	
	77 Chlorobenzene	112		19.197						
	78 1,2-Dibromo-3-Chloropropane TIC	75	19.133	19.300	-0.167		1	25720	NC	
	79 Ethylbenzene	91		19.347						
	80 n-Nonane	57		19.448						
	81 m-Xylene & p-Xylene	106		19.592						
S	82 Xylenes, Total	106		20.100						
	83 o-Xylene	106		20.403						
	84 Styrene	104		20.451						

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	85 Bromoform			173		20.852				
	86 Isopropylbenzene			105		21.038				
$	87 4-Bromofluorobenzene			95	21.391	21.391	0.0	97	1478504	NC
	88 1,1,2,2-Tetrachloroethane			83		21.658				
	89 N-Propylbenzene			91		21.722				
	90 1,2,3-Trichloropropane			75		21.754				
	91 n-Decane			57		21.866				
	92 4-Ethyltoluene			105		21.898				
	93 2-Chlorotoluene			91		21.914				
	94 1,3,5-Trimethylbenzene			105		21.999				
	95 Alpha Methyl Styrene			118		22.351				
	96 tert-Butylbenzene			119		22.469				
	97 1,2,4-Trimethylbenzene			105		22.560				
	98 sec-Butylbenzene			105		22.784				
	99 4-Isopropyltoluene			119		22.981				
	100 1,3-Dichlorobenzene			146		23.018				
	101 1,4-Dichlorobenzene			146		23.157				
	102 Benzyl chloride			91		23.365				
	103 n-Butylbenzene			91		23.568				
	104 Undecane			57		23.574				
	105 1,2-Dichlorobenzene			146		23.712				
	106 Dodecane			57		25.233				
	107 1,2,4-Trichlorobenzene			180		26.343				
	108 Hexachlorobutadiene			225		26.530				
	109 Naphthalene			128		26.872				
	110 1,2,3-Trichlorobenzene			180		27.373				

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

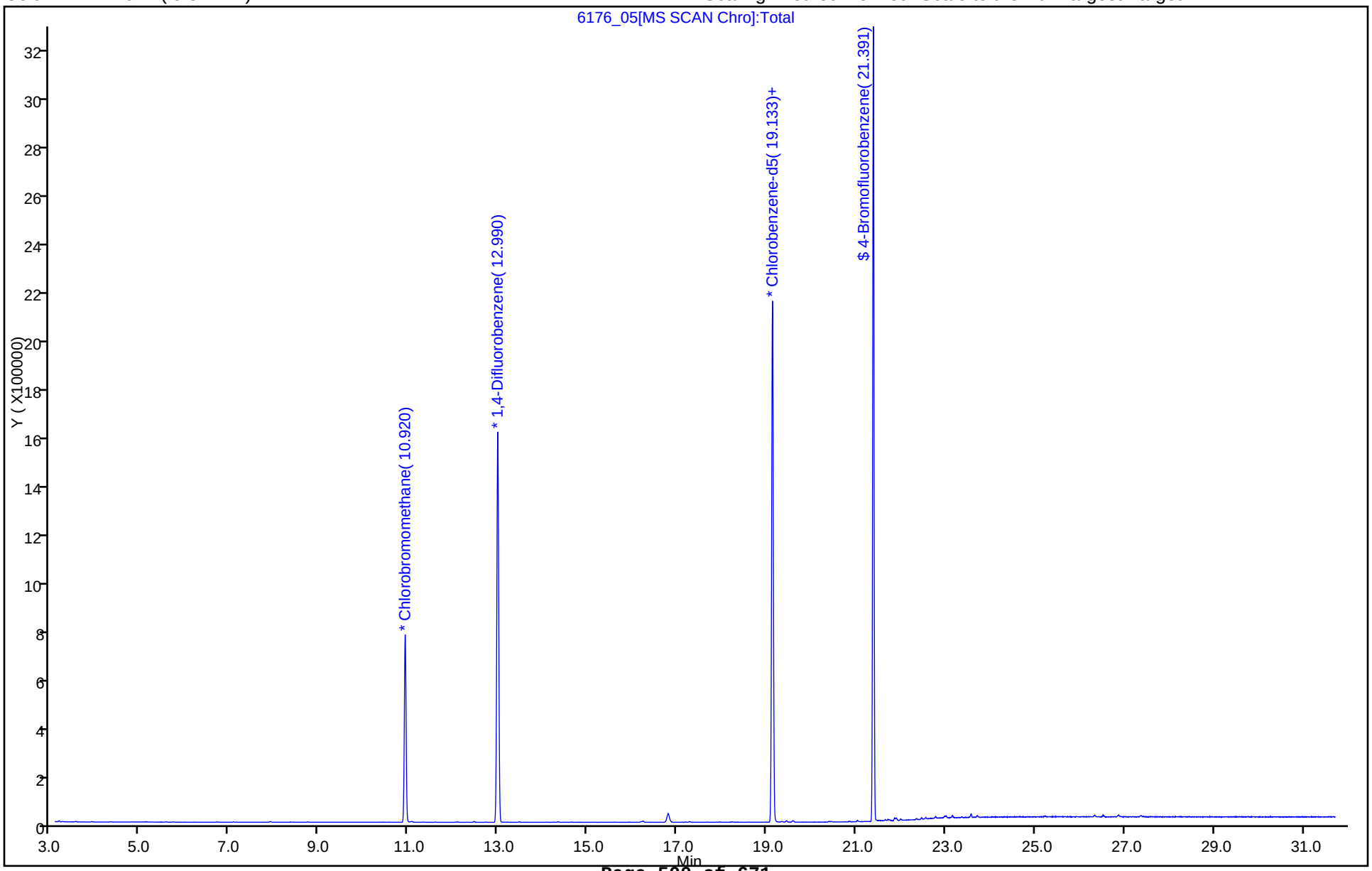
Report Date: 18-Feb-2014 12:23:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_05.D

Injection Date:	17-Feb-2014 13:45:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	MB	Lab Sample ID:	MB 200-68430/5-A	Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68510/5

Matrix: Air Lab File ID: 6208_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 15:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50	U	0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.20	U	0.20	0.030
76-13-1	Freon 113	187.38	0.20	U	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.0	U	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68510/5

Matrix: Air Lab File ID: 6208_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 15:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.20	U	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.023
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68510/5

Matrix: Air Lab File ID: 6208_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 15:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68510/5

Matrix: Air Lab File ID: 6208_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 15:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	U	2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.1	U	1.1	0.17
76-13-1	Freon 113	187.38	1.5	U	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12	U	12	3.0
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68510/5

Matrix: Air Lab File ID: 6208_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 15:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.10
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: MB 200-68510/5

Matrix: Air Lab File ID: 6208_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 15:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_05.D
Lims ID: MB Lab Sample ID: MB 200-68510/5-A
Client ID:
Sample Type: MB
Inject. Date: 18-Feb-2014 15:51:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006208-005
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Feb-2014 06:16:35 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: desjardinsb Date: 19-Feb-2014 08:22:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Difluoroethane TIC	51		3.150					
2 Chlorotrifluoroethene TIC	116		3.162					
3 Freon 115 TIC	85		3.180					
4 Propene	41		3.181					
5 Dichlorodifluoromethane	85		3.256					
6 Chlorodifluoromethane	51		3.320					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.549					
8 Chloromethane	50		3.699					
9 Butane	43		3.918					
10 Vinyl chloride	62		3.971					
11 Butadiene	54		4.056					
12 Bromomethane	94		4.798					
13 Chloroethane	64		5.054					
14 2-Methylbutane	43		5.124					
15 Vinyl bromide	106		5.471					
16 Trichlorofluoromethane	101		5.577					
17 Pentane	43		5.727					
18 1,1,1-Trifluoro-2,2-dichloroetha	83		6.000					
19 Ethanol	45		6.234					
20 Ethyl ether	59		6.293					
21 Acrolein	56		6.709					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.720					
23 1,1-Dichloroethene	96		6.762					
25 Acetone	43		7.045					
26 Carbon disulfide	76		7.152					
27 Methyl Acetate TIC	43	7.072	7.200	-0.128	31	1384	NC	
28 Isopropyl alcohol	45		7.360					
29 3-Chloro-1-propene	41		7.595					
30 Acetonitrile	41		7.766					
31 Methylene Chloride	49		7.904					
32 2-Methyl-2-propanol	59		8.166					

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
33 Methyl tert-butyl ether			73		8.321				
34 trans-1,2-Dichloroethene			61		8.353				
35 Acrylonitrile			53		8.545				
36 Hexane			57		8.748				
37 1,1-Dichloroethane			63		9.271				
38 Vinyl acetate			43		9.367				
S 39 1,2-Dichloroethene, Total			61		10.200				
40 cis-1,2-Dichloroethene			96		10.434				
41 2-Butanone (MEK)			72		10.514				
42 Ethyl acetate			88		10.551				
* 43 Chlorobromomethane			128	10.919	10.925	-0.006	63	439060	10.0
44 Tetrahydrofuran			42		10.941				
45 Chloroform			83		11.064				
46 Cyclohexane			84		11.299				
47 1,1,1-Trichloroethane			97		11.341				
48 Methyl cyclohexane TIC			55		11.500				
49 Carbon tetrachloride			117		11.597				
50 Isooctane			57		12.051				
51 Benzene			78		12.099				
52 1,2-Dichloroethane			62		12.307				
53 n-Heptane			43		12.462				
* 54 1,4-Difluorobenzene			114	12.990	12.996	-0.006	91	2500471	10.0
55 n-Butanol			56		13.433				
56 Trichloroethene			95		13.476				
A 57 GRO			1	13.495	5.114 - 21.876		0	374036	0
58 1,2-Dichloropropane			63		14.074				
59 Methyl methacrylate			69		14.255				
60 1,4-Dioxane			88		14.319				
61 Dibromomethane			174		14.341				
62 Dichlorobromomethane			83		14.645				
A 63 TVOC as Toluene			1	15.277	3.171 - 27.383		0	429409	3.49
64 cis-1,3-Dichloropropene			75		15.605				
65 4-Methyl-2-pentanone (MIBK)			43		15.915				
66 Toluene			92		16.203				
A 67 Toluene Range			1	16.203	16.163 - 16.243		0	5757	NC
68 n-Octane			43		16.241				
A 69 C8 Range			1	16.241	16.191 - 16.291		0	5757	NC
70 trans-1,3-Dichloropropene			75		16.817				
71 1,1,2-Trichloroethane			83		17.196				
72 Tetrachloroethene			166		17.287				
73 2-Hexanone			43		17.655				
74 Chlorodibromomethane			129		17.964				
75 Ethylene Dibromide			107		18.242				
* 76 Chlorobenzene-d5			117	19.133	19.139	-0.006	81	2333172	10.0
77 Chlorobenzene			112		19.197				
78 1,2-Dibromo-3-Chloropropane TIC			75	19.138	19.300	-0.162	1	26090	NC
79 Ethylbenzene			91		19.347				
80 n-Nonane			57		19.448				
81 m-Xylene & p-Xylene			106		19.598				
S 82 Xylenes, Total			106		20.100				
83 o-Xylene			106		20.403				
84 Styrene			104		20.457				

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	85 Bromoform			173		20.852				
	86 Isopropylbenzene			105		21.038				
$	87 4-Bromofluorobenzene			95	21.390	21.391	-0.001	98	1544648	NC
	88 1,1,2,2-Tetrachloroethane			83		21.658				
	89 N-Propylbenzene			91		21.722				
	90 1,2,3-Trichloropropane			75		21.754				
	91 n-Decane			57		21.866				
	92 4-Ethyltoluene			105		21.898				
	93 2-Chlorotoluene			91		21.914				
	94 1,3,5-Trimethylbenzene			105		21.999				
	95 Alpha Methyl Styrene			118		22.351				
	96 tert-Butylbenzene			119		22.474				
	97 1,2,4-Trimethylbenzene			105		22.565				
	98 sec-Butylbenzene			105		22.784				
	99 4-Isopropyltoluene			119		22.981				
	100 1,3-Dichlorobenzene			146		23.018				
	101 1,4-Dichlorobenzene			146		23.157				
	102 Benzyl chloride			91		23.365				
	103 n-Butylbenzene			91		23.573				
	104 Undecane			57		23.579				
	105 1,2-Dichlorobenzene			146		23.712				
	106 Dodecane			57		25.233				
	107 1,2,4-Trichlorobenzene			180		26.343				
	108 Hexachlorobutadiene			225		26.530				
	109 Naphthalene			128		26.872				
	110 1,2,3-Trichlorobenzene			180		27.373				

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

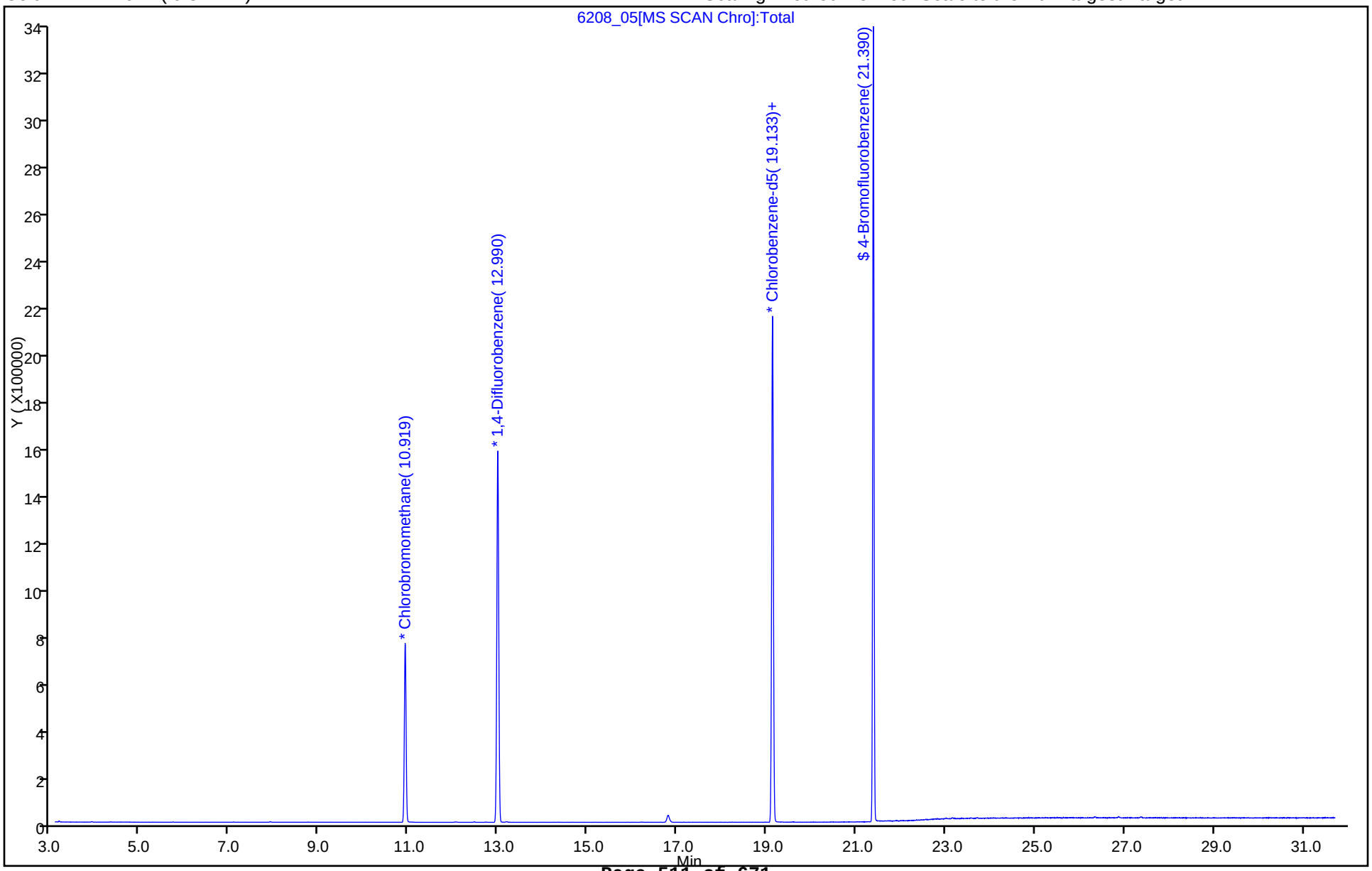
Report Date: 19-Feb-2014 08:22:53 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_05.D

Injection Date:	18-Feb-2014 15:51:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	MB	Lab Sample ID:	MB 200-68510/5-A	Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: LCS 200-68401/4

Matrix: Air Lab File ID: 6163_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/14/2014 16:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	10.7		0.50	0.030
75-45-6	Freon 22	86.47	10.4		0.50	0.048
76-14-2	Freon-114	170.92	10.4		0.20	0.035
74-87-3	Chloromethane	50.49	9.89		0.50	0.14
106-97-8	n-Butane	58.12	9.99		0.50	0.28
75-01-4	Vinyl chloride	62.50	10.3		0.040	0.038
106-99-0	1,3-Butadiene	54.09	10.3		0.20	0.042
74-83-9	Bromomethane	94.94	10.4		0.20	0.028
75-00-3	Chloroethane	64.52	10.5		0.50	0.030
593-60-2	Vinyl bromide	106.96	10.4		0.20	0.030
75-69-4	Freon 11	137.37	10.6		0.20	0.030
76-13-1	Freon 113	187.38	10.5		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	10.4		0.20	0.024
67-64-1	Acetone	58.08	10.2		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	10.3		5.0	0.22
75-15-0	Carbon disulfide	76.14	10.0		0.50	0.066
107-05-1	Allyl chloride	76.53	10.3		0.50	0.034
75-09-2	Methylene Chloride	84.93	9.87		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	10.0		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	10.3		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	10.3		0.20	0.029
110-54-3	Hexane	86.17	9.84		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	10.2		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	9.36		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	10.2		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	20.5		0.20	0.064
67-66-3	Chloroform	119.38	10.4		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	10.6		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	10.7		0.20	0.021
110-82-7	Cyclohexane	84.16	10.3		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	11.1		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	10.1		0.20	0.027
71-43-2	Benzene	78.11	10.2		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	10.6		0.20	0.017
142-82-5	Heptane	100.21	9.84		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: LCS 200-68401/4

Matrix: Air Lab File ID: 6163_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/14/2014 16:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	10.5		0.040	0.024
80-62-6	Methyl methacrylate	100.12	10.4		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	10.2		0.20	0.032
123-91-1	1,4-Dioxane	88.11	10.2		5.0	0.20
75-27-4	Bromodichloromethane	163.83	10.9		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	10.6		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	10.3		0.50	0.027
108-88-3	Toluene	92.14	10.4		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	10.4		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	10.5		0.20	0.017
127-18-4	Tetrachloroethene	165.83	11.1		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.4		0.50	0.20
124-48-1	Dibromochloromethane	208.29	11.1		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	10.8		0.20	0.020
108-90-7	Chlorobenzene	112.56	10.6		0.20	0.0081
100-41-4	Ethylbenzene	106.17	10.6		0.20	0.013
179601-23-1	m,p-Xylene	106.17	21.6		0.50	0.023
95-47-6	Xylene, o-	106.17	10.6		0.20	0.016
1330-20-7	Xylene (total)	106.17	32.2		0.20	0.034
100-42-5	Styrene	104.15	10.9		0.20	0.018
75-25-2	Bromoform	252.75	11.3		0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.6		0.20	0.016
103-65-1	n-Propylbenzene	120.19	10.7		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	11.1		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	10.9		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	11.0		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	10.8		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	10.9		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	10.8		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	11.0		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	11.1		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	11.0		0.20	0.014
100-44-7	Benzyl chloride	126.58	10.9		0.20	0.080
104-51-8	n-Butylbenzene	134.22	11.4		0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: LCS 200-68401/4

Matrix: Air Lab File ID: 6163_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/14/2014 16:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68401 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	10.9		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	13.2		0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	11.7		0.20	0.022
91-20-3	Naphthalene	128.17	16.0		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_04.D
Lims ID: LCS Lab Sample ID: LCS 200-68401/4-A
Client ID:
Sample Type: LCS
Inject. Date: 14-Feb-2014 16:57:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006163-004
Misc. Info.: lcs
Operator ID: pad Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Feb-2014 14:38:43 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desjardinsb Date: 17-Feb-2014 14:39:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
4 Propene	41	3.176	3.187	-0.010	98	82488	10.5	
5 Dichlorodifluoromethane	85	3.256	3.261	-0.005	98	853569	10.7	
6 Chlorodifluoromethane	51	3.315	3.325	-0.010	95	255242	10.4	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.544	3.555	-0.011	86	870603	10.4	
8 Chloromethane	50	3.699	3.704	-0.005	99	124524	9.89	
9 Butane	43	3.918	3.923	-0.005	96	179734	10.0	
10 Vinyl chloride	62	3.966	3.976	-0.010	96	206557	10.3	
11 Butadiene	54	4.051	4.062	-0.011	85	130578	10.3	
12 Bromomethane	94	4.793	4.798	-0.005	99	325297	10.4	
13 Chloroethane	64	5.049	5.065	-0.016	97	102668	10.5	
14 2-Methylbutane	43	5.124	5.134	-0.010	84	124433	10.0	
15 Vinyl bromide	106	5.465	5.476	-0.011	97	399767	10.4	
16 Trichlorofluoromethane	101	5.572	5.583	-0.011	96	997649	10.6	
17 Pentane	43	5.722	5.732	-0.010	94	216046	10.3	
19 Ethanol	45	6.229	6.239	-0.010	95	69199	16.2	
20 Ethyl ether	59	6.293	6.303	-0.010	79	146174	10.2	
21 Acrolein	56	6.714	6.720	-0.006	95	66456	10.7	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.720	6.725	-0.005	89	724661	10.5	
23 1,1-Dichloroethene	96	6.762	6.768	-0.006	81	341706	10.4	
24 BFB								
25 Acetone	43	7.045	7.050	-0.005	92	187973	10.2	
26 Carbon disulfide	76	7.152	7.157	-0.005	97	824842	10.0	
28 Isopropyl alcohol	45	7.360	7.371	-0.011	98	140308	10.3	
29 3-Chloro-1-propene	41	7.595	7.600	-0.005	73	138526	10.3	
30 Acetonitrile	41	7.760	7.771	-0.011	99	77470	7.48	
31 Methylene Chloride	49	7.904	7.910	-0.006	68	156961	9.87	
32 2-Methyl-2-propanol	59	8.166	8.177	-0.011	97	340876	10.0	
33 Methyl tert-butyl ether	73	8.321	8.331	-0.010	93	800045	10.3	
34 trans-1,2-Dichloroethene	61	8.347	8.358	-0.011	68	315544	10.3	
35 Acrylonitrile	53	8.545	8.550	-0.005	95	117780	10.0	
36 Hexane	57	8.748	8.748	0.0	80	301718	9.84	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	9.271	9.276	-0.005	98	442610	10.2
	38 Vinyl acetate	43	9.367	9.372	-0.005	97	352371	10.7
S	39 1,2-Dichloroethene, Total	61				0		20.5
	40 cis-1,2-Dichloroethene	96	10.434	10.439	-0.005	80	458495	10.2
	41 2-Butanone (MEK)	72	10.514	10.519	-0.005	99	163211	9.36
	42 Ethyl acetate	88	10.551	10.557	-0.006	97	37868	10.3
*	43 Chlorobromomethane	128	10.925	10.930	-0.005	63	472566	10.0
	44 Tetrahydrofuran	42	10.936	10.946	-0.010	75	179695	10.6
	45 Chloroform	83	11.064	11.069	-0.005	92	863103	10.4
	46 Cyclohexane	84	11.293	11.304	-0.011	71	614350	10.3
	47 1,1,1-Trichloroethane	97	11.341	11.347	-0.006	93	1003055	10.7
	49 Carbon tetrachloride	117	11.597	11.597	0.0	96	1140232	11.1
	50 Isooctane	57	12.051	12.062	-0.011	97	1563837	10.1
	51 Benzene	78	12.099	12.104	-0.005	92	1388487	10.2
	52 1,2-Dichloroethane	62	12.307	12.307	0.0	99	512883	10.6
	53 n-Heptane	43	12.467	12.473	-0.006	74	437188	9.84
*	54 1,4-Difluorobenzene	114	12.996	13.001	-0.005	91	2630916	10.0
	55 n-Butanol	56	13.433	13.444	-0.011	77	192056	10.1
	56 Trichloroethene	95	13.476	13.481	-0.005	94	741916	10.5
A	57 GRO	1	13.503	5.124 -	21.881	0	153306466	0
	58 1,2-Dichloropropane	63	14.079	14.079	0.0	93	515225	10.2
	59 Methyl methacrylate	69	14.261	14.261	0.0	74	550900	10.4
	60 1,4-Dioxane	88	14.325	14.330	-0.005	71	239620	10.2
	61 Dibromomethane	174	14.346	14.346	0.0	90	779410	11.1
	62 Dichlorobromomethane	83	14.645	14.650	-0.005	97	1156250	10.9
A	63 TVOC as Toluene	1	15.285	3.177 -	27.394	0	306409146	2364.4
	64 cis-1,3-Dichloropropene	75	15.611	15.611	0.0	84	912071	10.6
	65 4-Methyl-2-pentanone (MIBK)	43	15.915	15.920	-0.005	86	690773	10.3
A	67 Toluene Range	1	16.209	16.169 -	16.249	0	8484588	NC
	66 Toluene	92	16.203	16.209	-0.006	92	1299528	10.4
A	69 C8 Range	1	16.246	16.196 -	16.296	0	8484588	NC
	68 n-Octane	43	16.246	16.246	0.0	75	765966	10.1
	70 trans-1,3-Dichloropropene	75	16.817	16.822	-0.005	90	949366	10.4
	71 1,1,2-Trichloroethane	83	17.201	17.201	0.0	94	595852	10.5
	72 Tetrachloroethene	166	17.287	17.287	0.0	95	1212579	11.1
	73 2-Hexanone	43	17.660	17.660	0.0	85	678241	10.4
	74 Chlorodibromomethane	129	17.964	17.970	-0.006	96	1333395	11.1
	75 Ethylene Dibromide	107	18.242	18.247	-0.005	99	1195620	10.8
*	76 Chlorobenzene-d5	117	19.139	19.144	-0.006	78	2529083	10.0
	77 Chlorobenzene	112	19.203	19.203	0.0	97	1864137	10.6
	79 Ethylbenzene	91	19.347	19.352	-0.005	96	2836273	10.6
	80 n-Nonane	57	19.453	19.453	0.0	79	1035823	10.1
	81 m-Xylene & p-Xylene	106	19.603	19.603	0.0	99	2400485	21.6
S	82 Xylenes, Total	106				0		32.1
	83 o-Xylene	106	20.409	20.409	0.0	95	1152414	10.6
	84 Styrene	104	20.457	20.457	0.0	98	1834330	10.9
	85 Bromoform	173	20.857	20.857	0.0	98	1433728	11.3
	86 Isopropylbenzene	105	21.038	21.044	-0.006	94	3331647	10.8
$	87 4-Bromofluorobenzene	95	21.396	21.396	0.0	98	1733219	NC
	88 1,1,2,2-Tetrachloroethane	83	21.663	21.663	0.0	96	1565861	10.6
	89 N-Propylbenzene	91	21.722	21.722	0.0	99	3880530	10.7
	90 1,2,3-Trichloropropane	75	21.759	21.759	0.0	85	1166499	10.6

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 n-Decane	57	21.871	21.871	0.0	75	1291502	10.7
92 4-Ethyltoluene	105	21.903	21.903	0.0	94	3492683	11.1
93 2-Chlorotoluene	91	21.914	21.919	-0.005	95	2673018	11.0
94 1,3,5-Trimethylbenzene	105	22.004	22.004	0.0	94	2838675	10.9
95 Alpha Methyl Styrene	118	22.357	22.357	0.0	90	1534639	11.1
96 tert-Butylbenzene	119	22.474	22.474	0.0	91	2794500	10.8
97 1,2,4-Trimethylbenzene	105	22.565	22.565	0.0	95	2851619	10.9
98 sec-Butylbenzene	105	22.789	22.789	0.0	98	4091063	10.8
99 4-Isopropyltoluene	119	22.986	22.986	0.0	93	3635092	11.0
100 1,3-Dichlorobenzene	146	23.024	23.024	0.0	98	2143412	11.1
101 1,4-Dichlorobenzene	146	23.163	23.163	0.0	96	2132768	11.0
102 Benzyl chloride	91	23.371	23.371	0.0	100	2486421	10.9
103 n-Butylbenzene	91	23.573	23.573	0.0	97	3051125	11.4
104 Undecane	57	23.579	23.584	-0.005	85	1384263	12.3
105 1,2-Dichlorobenzene	146	23.718	23.718	0.0	98	1985573	10.9
106 Dodecane	57	25.239	25.239	0.0	88	1374536	12.9
107 1,2,4-Trichlorobenzene	180	26.354	26.349	0.005	93	1702487	13.2
108 Hexachlorobutadiene	225	26.541	26.541	0.0	95	1431732	11.7
109 Naphthalene	128	26.877	26.877	0.0	99	3565692	16.0
110 1,2,3-Trichlorobenzene	180	27.379	27.384	-0.005	95	1521016	14.2

WorkSheet Quantitation Report

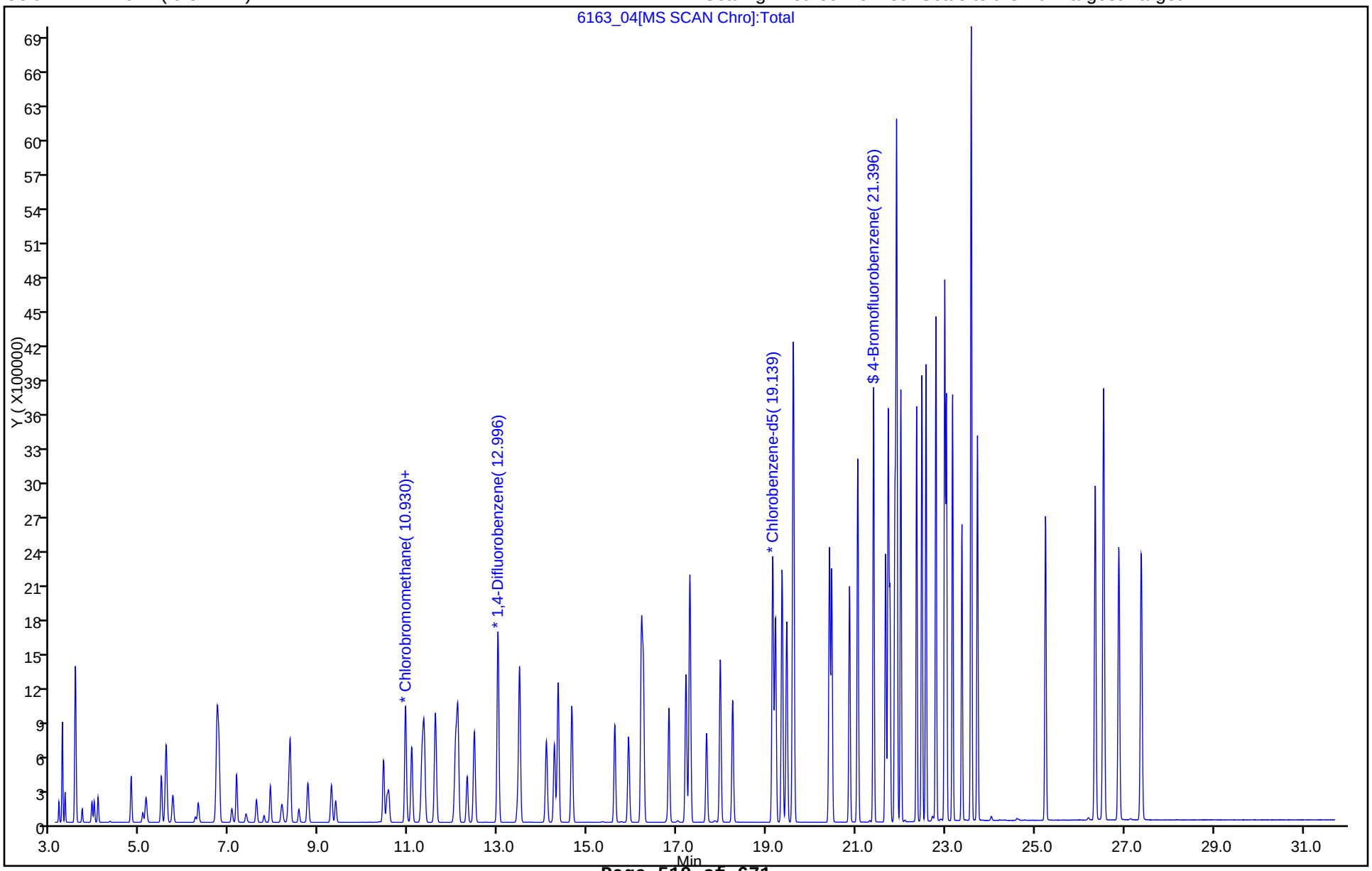
Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 17-Feb-2014 14:39:29 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140214-6163.b\6163_04.D				
Injection Date:	14-Feb-2014 16:57:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	LCS	Lab Sample ID:	LCS 200-68401/4-A	Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: LCS 200-68430/4

Matrix: Air Lab File ID: 6176_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 12:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	11.2		0.50	0.030
75-45-6	Freon 22	86.47	11.5		0.50	0.048
76-14-2	Freon-114	170.92	11.0		0.20	0.035
74-87-3	Chloromethane	50.49	11.2		0.50	0.14
106-97-8	n-Butane	58.12	11.3		0.50	0.28
75-01-4	Vinyl chloride	62.50	11.3		0.040	0.038
106-99-0	1,3-Butadiene	54.09	11.1		0.20	0.042
74-83-9	Bromomethane	94.94	10.8		0.20	0.028
75-00-3	Chloroethane	64.52	11.1		0.50	0.030
593-60-2	Vinyl bromide	106.96	10.7		0.20	0.030
75-69-4	Freon 11	137.37	10.8		0.20	0.030
76-13-1	Freon 113	187.38	10.8		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	10.6		0.20	0.024
67-64-1	Acetone	58.08	11.1		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	10.7		5.0	0.22
75-15-0	Carbon disulfide	76.14	10.5		0.50	0.066
107-05-1	Allyl chloride	76.53	11.2		0.50	0.034
75-09-2	Methylene Chloride	84.93	10.5		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	10.4		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	10.7		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	10.7		0.20	0.029
110-54-3	Hexane	86.17	10.3		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	10.6		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	9.77		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	10.4		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	21.1		0.20	0.064
67-66-3	Chloroform	119.38	10.5		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	11.3		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	10.7		0.20	0.021
110-82-7	Cyclohexane	84.16	10.4		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	11.0		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	10.3		0.20	0.027
71-43-2	Benzene	78.11	10.3		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	10.8		0.20	0.017
142-82-5	Heptane	100.21	10.4		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: LCS 200-68430/4

Matrix: Air Lab File ID: 6176_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 12:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	10.5		0.040	0.024
80-62-6	Methyl methacrylate	100.12	10.4		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	10.3		0.20	0.032
123-91-1	1,4-Dioxane	88.11	9.96		5.0	0.20
75-27-4	Bromodichloromethane	163.83	10.9		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	10.7		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	10.8		0.50	0.027
108-88-3	Toluene	92.14	10.5		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	10.5		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	10.6		0.20	0.017
127-18-4	Tetrachloroethene	165.83	11.1		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.9		0.50	0.20
124-48-1	Dibromochloromethane	208.29	11.0		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	10.8		0.20	0.020
108-90-7	Chlorobenzene	112.56	10.6		0.20	0.0081
100-41-4	Ethylbenzene	106.17	10.6		0.20	0.013
179601-23-1	m,p-Xylene	106.17	21.7		0.50	0.023
95-47-6	Xylene, o-	106.17	10.6		0.20	0.016
1330-20-7	Xylene (total)	106.17	32.3		0.20	0.034
100-42-5	Styrene	104.15	10.9		0.20	0.018
75-25-2	Bromoform	252.75	11.2		0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.7		0.20	0.016
103-65-1	n-Propylbenzene	120.19	10.8		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	11.2		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	10.9		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	11.1		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	10.8		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	11.0		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	10.8		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	10.9		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	11.0		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	10.9		0.20	0.014
100-44-7	Benzyl chloride	126.58	10.9		0.20	0.080
104-51-8	n-Butylbenzene	134.22	11.4		0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: LCS 200-68430/4

Matrix: Air Lab File ID: 6176_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 12:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68430 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	10.8		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	13.0		0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	11.7		0.20	0.022
91-20-3	Naphthalene	128.17	15.6		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_04.D
Lims ID: LCS Lab Sample ID: LCS 200-68430/4-A
Client ID:
Sample Type: LCS
Inject. Date: 17-Feb-2014 12:53:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006176-004
Misc. Info.: lcs
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Feb-2014 13:51:33 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desjardinsb Date: 17-Feb-2014 13:53:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
4 Propene	41	3.181	3.176	0.005	98	93728	12.1	
5 Dichlorodifluoromethane	85	3.261	3.256	0.005	87	881245	11.2	
6 Chlorodifluoromethane	51	3.320	3.315	0.005	92	277914	11.5	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.549	3.544	0.005	86	905614	11.0	
8 Chloromethane	50	3.704	3.699	0.005	88	139330	11.2	
9 Butane	43	3.923	3.918	0.005	97	200094	11.3	
10 Vinyl chloride	62	3.971	3.966	0.005	81	222401	11.3	
11 Butadiene	54	4.056	4.051	0.005	87	139307	11.1	
12 Bromomethane	94	4.798	4.793	0.005	98	333311	10.8	
13 Chloroethane	64	5.060	5.049	0.011	95	106835	11.1	
14 2-Methylbutane	43	5.129	5.124	0.005	84	133911	10.9	
15 Vinyl bromide	106	5.471	5.465	0.006	98	407683	10.7	
16 Trichlorofluoromethane	101	5.577	5.572	0.005	96	998654	10.8	
17 Pentane	43	5.727	5.722	0.005	93	234017	11.3	
19 Ethanol	45	6.234	6.223	0.011	95	72963	17.3	
20 Ethyl ether	59	6.298	6.293	0.005	80	151340	10.7	
21 Acrolein	56	6.714	6.709	0.005	37	70104	11.4	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.719	6.714	0.005	90	732395	10.8	
23 1,1-Dichloroethene	96	6.762	6.757	0.005	75	344248	10.6	
24 BFB								
25 Acetone	43	7.045	7.040	0.005	92	202084	11.1	
26 Carbon disulfide	76	7.152	7.147	0.005	97	851248	10.5	
28 Isopropyl alcohol	45	7.365	7.360	0.005	98	144011	10.7	
29 3-Chloro-1-propene	41	7.595	7.595	0.0	75	147794	11.2	
30 Acetonitrile	41	7.766	7.760	0.006	99	83753	8.19	
31 Methylene Chloride	49	7.904	7.904	0.0	65	165445	10.5	
32 2-Methyl-2-propanol	59	8.166	8.161	0.005	98	348779	10.4	
33 Methyl tert-butyl ether	73	8.326	8.321	0.005	93	824292	10.7	
34 trans-1,2-Dichloroethene	61	8.353	8.347	0.006	77	326056	10.7	
35 Acrylonitrile	53	8.545	8.539	0.006	95	126562	10.9	
36 Hexane	57	8.748	8.742	0.006	81	312910	10.3	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	9.271	9.271	0.0	98	456063	10.6
	38 Vinyl acetate	43	9.367	9.361	0.006	97	375767	11.5
S	39 1,2-Dichloroethene, Total	61				0		21.1
	40 cis-1,2-Dichloroethene	96	10.439	10.434	0.005	86	459906	10.4
	41 2-Butanone (MEK)	72	10.514	10.509	0.005	96	168017	9.77
	42 Ethyl acetate	88	10.557	10.546	0.011	97	38026	10.4
*	43 Chlorobromomethane	128	10.925	10.920	0.005	64	466400	10.0
	44 Tetrahydrofuran	42	10.941	10.936	0.005	71	189982	11.3
	45 Chloroform	83	11.064	11.064	0.0	98	862595	10.5
	46 Cyclohexane	84	11.293	11.293	0.0	72	613580	10.4
	47 1,1,1-Trichloroethane	97	11.341	11.341	0.0	93	998478	10.7
	49 Carbon tetrachloride	117	11.597	11.592	0.005	96	1125865	11.0
	50 Isooctane	57	12.051	12.051	0.0	97	1591671	10.3
	51 Benzene	78	12.099	12.099	0.0	92	1389397	10.3
	52 1,2-Dichloroethane	62	12.302	12.302	0.0	93	517467	10.8
	53 n-Heptane	43	12.467	12.462	0.005	75	456590	10.4
*	54 1,4-Difluorobenzene	114	12.996	12.990	0.006	91	2608988	10.0
	55 n-Butanol	56	13.439	13.433	0.006	78	184199	9.75
	56 Trichloroethene	95	13.476	13.476	0.0	94	732590	10.5
A	57 GRO	1	13.495	5.114 - 21.876		0	153230724	0
	58 1,2-Dichloropropane	63	14.079	14.074	0.005	93	515525	10.3
	59 Methyl methacrylate	69	14.255	14.250	0.005	76	550778	10.4
	60 1,4-Dioxane	88	14.319	14.319	0.0	71	232135	9.96
	61 Dibromomethane	174	14.341	14.341	0.0	91	763354	11.0
	62 Dichlorobromomethane	83	14.645	14.645	0.0	98	1147826	10.9
A	63 TVOC as Toluene	1	15.275	3.166 - 27.383		0	305046228	2373.6
	64 cis-1,3-Dichloropropene	75	15.605	15.600	0.005	85	909419	10.7
	65 4-Methyl-2-pentanone (MIBK)	43	15.915	15.910	0.005	87	715466	10.8
A	67 Toluene Range	1	16.198	16.158 - 16.238		0	8503418	NC
	66 Toluene	92	16.198	16.198	0.0	93	1285051	10.5
A	69 C8 Range	1	16.241	16.191 - 16.291		0	8503418	NC
	68 n-Octane	43	16.241	16.241	-0.001	77	796537	10.6
	70 trans-1,3-Dichloropropene	75	16.817	16.812	0.005	91	947596	10.5
	71 1,1,2-Trichloroethane	83	17.196	17.196	0.0	94	591183	10.6
	72 Tetrachloroethene	166	17.281	17.281	0.0	95	1193151	11.1
	73 2-Hexanone	43	17.655	17.655	0.0	86	703562	10.9
	74 Chlorodibromomethane	129	17.964	17.964	0.0	97	1310032	11.0
	75 Ethylene Dibromide	107	18.242	18.237	0.005	98	1175576	10.8
*	76 Chlorobenzene-d5	117	19.138	19.133	0.005	81	2495803	10.0
	77 Chlorobenzene	112	19.197	19.197	0.0	96	1837935	10.6
	79 Ethylbenzene	91	19.347	19.347	0.0	96	2807607	10.6
	80 n-Nonane	57	19.448	19.448	0.0	79	1059630	10.5
	81 m-Xylene & p-Xylene	106	19.597	19.592	0.005	99	2380364	21.7
S	82 Xylenes, Total	106				0		32.3
	83 o-Xylene	106	20.403	20.403	0.0	94	1142724	10.6
	84 Styrene	104	20.457	20.451	0.006	98	1806758	10.9
	85 Bromoform	173	20.852	20.852	0.0	98	1406724	11.2
	86 Isopropylbenzene	105	21.038	21.038	0.0	94	3286617	10.8
$	87 4-Bromofluorobenzene	95	21.391	21.391	0.0	97	1713360	NC
	88 1,1,2,2-Tetrachloroethane	83	21.657	21.658	-0.001	96	1554357	10.7
	89 N-Propylbenzene	91	21.722	21.722	0.0	99	3853567	10.8
	90 1,2,3-Trichloropropane	75	21.754	21.754	0.0	86	1166232	10.7

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
91	n-Decane	57	21.866	21.866	0.0	77	1320080	11.1	
92	4-Ethyltoluene	105	21.898	21.898	0.0	95	3460470	11.2	
93	2-Chlorotoluene	91	21.914	21.914	0.0	96	2657457	11.1	
94	1,3,5-Trimethylbenzene	105	21.999	21.999	0.0	93	2803639	10.9	
95	Alpha Methyl Styrene	118	22.351	22.351	0.0	90	1501900	11.1	
96	tert-Butylbenzene	119	22.469	22.469	0.0	91	2744042	10.8	
97	1,2,4-Trimethylbenzene	105	22.565	22.560	0.005	95	2817855	11.0	
98	sec-Butylbenzene	105	22.784	22.784	0.0	99	4046864	10.8	
99	4-Isopropyltoluene	119	22.981	22.981	0.0	95	3573064	10.9	
100	1,3-Dichlorobenzene	146	23.018	23.018	0.0	98	2089270	11.0	
101	1,4-Dichlorobenzene	146	23.157	23.157	0.0	96	2089122	10.9	
102	Benzyl chloride	91	23.365	23.365	0.0	99	2464104	10.9	
103	n-Butylbenzene	91	23.568	23.568	0.0	97	3023056	11.4	
104	Undecane	57	23.573	23.574	-0.001	86	1417513	12.7	
105	1,2-Dichlorobenzene	146	23.712	23.712	0.0	98	1947680	10.8	
106	Dodecane	57	25.233	25.233	0.0	89	1358426	13.0	
107	1,2,4-Trichlorobenzene	180	26.343	26.343	0.0	93	1655265	13.0	
108	Hexachlorobutadiene	225	26.530	26.530	0.0	96	1415699	11.7	
109	Naphthalene	128	26.872	26.872	0.0	99	3434533	15.6	
110	1,2,3-Trichlorobenzene	180	27.373	27.373	0.0	95	1453080	13.8	

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

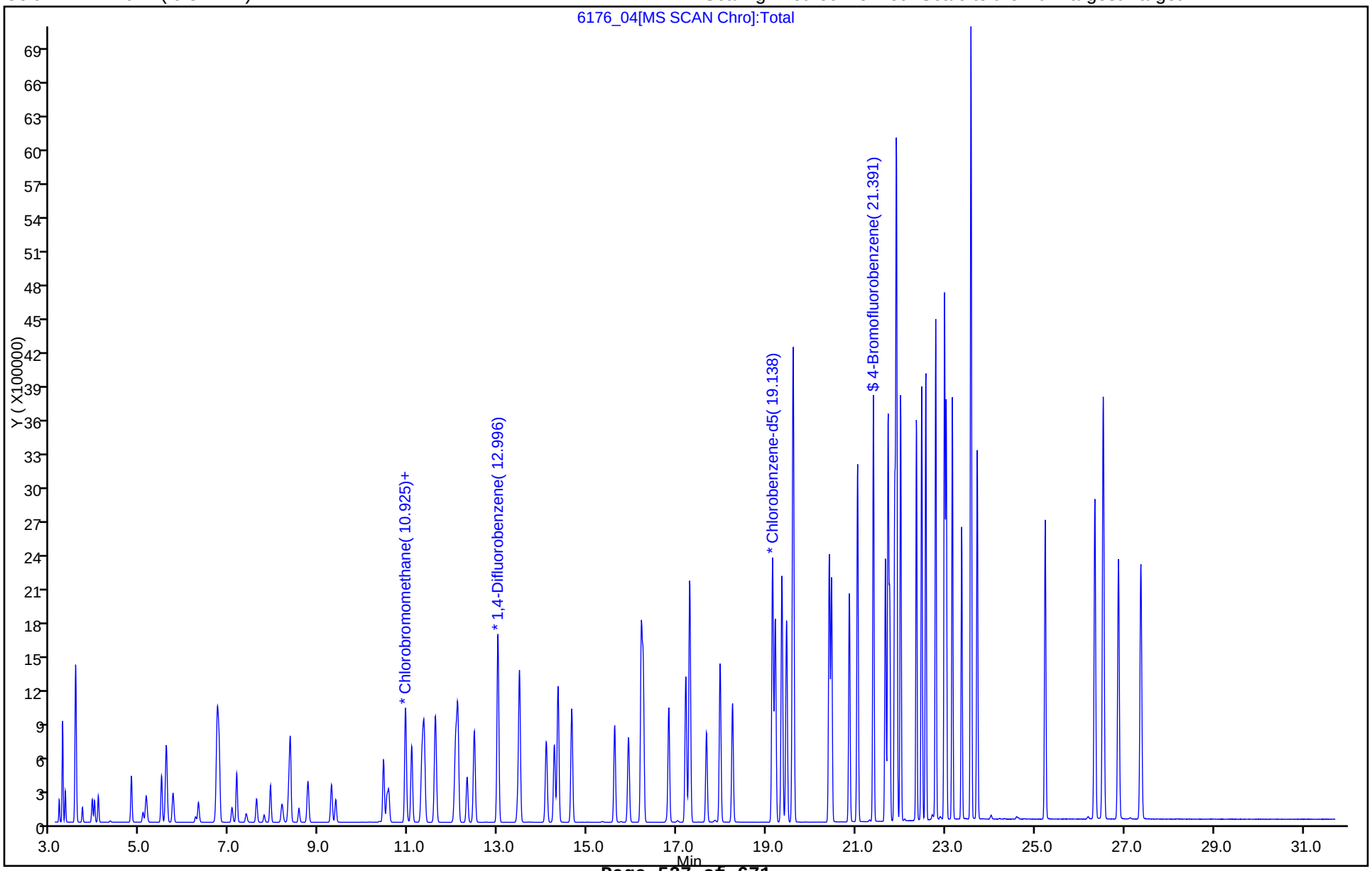
Report Date: 17-Feb-2014 13:53:04 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140217-6176.b\6176_04.D

Injection Date:	17-Feb-2014 12:53:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	LCS	Lab Sample ID:	LCS 200-68430/4-A	Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: LCS 200-68510/4

Matrix: Air Lab File ID: 6208_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 14:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	11.4		0.50	0.030
75-45-6	Freon 22	86.47	11.6		0.50	0.048
76-14-2	Freon-114	170.92	11.2		0.20	0.035
74-87-3	Chloromethane	50.49	11.3		0.50	0.14
106-97-8	n-Butane	58.12	11.3		0.50	0.28
75-01-4	Vinyl chloride	62.50	11.5		0.040	0.038
106-99-0	1,3-Butadiene	54.09	11.2		0.20	0.042
74-83-9	Bromomethane	94.94	11.0		0.20	0.028
75-00-3	Chloroethane	64.52	11.3		0.50	0.030
593-60-2	Vinyl bromide	106.96	10.8		0.20	0.030
75-69-4	Freon 11	137.37	10.9		0.20	0.030
76-13-1	Freon 113	187.38	10.9		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	10.9		0.20	0.024
67-64-1	Acetone	58.08	11.0		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	11.0		5.0	0.22
75-15-0	Carbon disulfide	76.14	10.6		0.50	0.066
107-05-1	Allyl chloride	76.53	11.3		0.50	0.034
75-09-2	Methylene Chloride	84.93	10.8		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	10.6		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	10.8		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	10.9		0.20	0.029
110-54-3	Hexane	86.17	10.5		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	10.7		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	9.77		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	10.5		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	21.4		0.20	0.064
67-66-3	Chloroform	119.38	10.6		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	11.4		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	11.0		0.20	0.021
110-82-7	Cyclohexane	84.16	10.6		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	11.2		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	10.5		0.20	0.027
71-43-2	Benzene	78.11	10.3		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	11.0		0.20	0.017
142-82-5	Heptane	100.21	10.4		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: LCS 200-68510/4

Matrix: Air Lab File ID: 6208_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 14:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	10.7		0.040	0.024
80-62-6	Methyl methacrylate	100.12	10.5		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	10.4		0.20	0.032
123-91-1	1,4-Dioxane	88.11	10.2		5.0	0.20
75-27-4	Bromodichloromethane	163.83	11.0		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	10.8		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	10.9		0.50	0.027
108-88-3	Toluene	92.14	10.5		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	10.6		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	10.7		0.20	0.017
127-18-4	Tetrachloroethene	165.83	11.2		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.9		0.50	0.20
124-48-1	Dibromochloromethane	208.29	11.1		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	10.9		0.20	0.020
108-90-7	Chlorobenzene	112.56	10.7		0.20	0.0081
100-41-4	Ethylbenzene	106.17	10.7		0.20	0.013
179601-23-1	m,p-Xylene	106.17	21.8		0.50	0.023
95-47-6	Xylene, o-	106.17	10.7		0.20	0.016
1330-20-7	Xylene (total)	106.17	32.5		0.20	0.034
100-42-5	Styrene	104.15	11.0		0.20	0.018
75-25-2	Bromoform	252.75	11.4		0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.8		0.20	0.016
103-65-1	n-Propylbenzene	120.19	10.9		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	11.3		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	11.0		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	11.2		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	10.9		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	11.1		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	10.9		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	11.1		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	11.1		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	11.1		0.20	0.014
100-44-7	Benzyl chloride	126.58	11.0		0.20	0.080
104-51-8	n-Butylbenzene	134.22	11.5		0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Client Sample ID: Lab Sample ID: LCS 200-68510/4

Matrix: Air Lab File ID: 6208_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 14:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68510 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	11.0		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	13.2		0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	11.9		0.20	0.022
91-20-3	Naphthalene	128.17	15.8		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_04.D
Lims ID: LCS Lab Sample ID: LCS 200-68510/4-A
Client ID:
Sample Type: LCS
Inject. Date: 18-Feb-2014 14:59:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006208-004
Misc. Info.: lcs
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Feb-2014 16:02:16 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: lyonsb Date: 18-Feb-2014 16:04:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
4 Propene	41	3.186	3.181	0.005	98	90887	12.0	
5 Dichlorodifluoromethane	85	3.267	3.256	0.010	98	873513	11.4	
6 Chlorodifluoromethane	51	3.325	3.320	0.005	96	273850	11.6	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.555	3.549	0.006	86	901232	11.2	
8 Chloromethane	50	3.709	3.699	0.010	89	137428	11.3	
9 Butane	43	3.928	3.918	0.010	96	196342	11.3	
10 Vinyl chloride	62	3.976	3.971	0.005	82	221578	11.5	
11 Butadiene	54	4.062	4.056	0.006	86	137259	11.2	
12 Bromomethane	94	4.804	4.798	0.006	99	332439	11.0	
13 Chloroethane	64	5.060	5.054	0.006	97	107097	11.3	
14 2-Methylbutane	43	5.134	5.124	0.010	85	133668	11.1	
15 Vinyl bromide	106	5.476	5.471	0.005	98	402496	10.8	
16 Trichlorofluoromethane	101	5.583	5.577	0.006	85	989550	10.9	
17 Pentane	43	5.732	5.727	0.005	93	229741	11.3	
19 Ethanol	45	6.239	6.234	0.005	94	73375	17.7	
20 Ethyl ether	59	6.303	6.293	0.010	81	149842	10.8	
21 Acrolein	56	6.719	6.709	0.010	93	67812	11.3	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.725	6.720	0.005	89	728825	10.9	
23 1,1-Dichloroethene	96	6.768	6.762	0.006	84	343964	10.9	
24 BFB								
25 Acetone	43	7.050	7.045	0.005	92	196350	11.0	
26 Carbon disulfide	76	7.157	7.152	0.005	97	844148	10.6	
28 Isopropyl alcohol	45	7.371	7.360	0.011	98	144396	11.0	
29 3-Chloro-1-propene	41	7.600	7.595	0.005	76	146094	11.3	
30 Acetonitrile	41	7.771	7.766	0.005	99	81845	8.17	
31 Methylene Chloride	49	7.910	7.904	0.006	69	165518	10.8	
32 2-Methyl-2-propanol	59	8.171	8.166	0.005	97	347794	10.6	
33 Methyl tert-butyl ether	73	8.331	8.321	0.010	93	816082	10.8	
34 trans-1,2-Dichloroethene	61	8.353	8.353	0.0	77	324008	10.9	
35 Acrylonitrile	53	8.545	8.545	0.0	96	124258	11.0	
36 Hexane	57	8.748	8.748	0.0	81	310675	10.5	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	9.276	9.271	0.005	98	450807	10.7
	38 Vinyl acetate	43	9.372	9.367	0.005	97	366990	11.5
S	39 1,2-Dichloroethene, Total	61				0		21.4
	40 cis-1,2-Dichloroethene	96	10.439	10.434	0.005	85	456291	10.5
	41 2-Butanone (MEK)	72	10.514	10.514	0.0	96	164624	9.77
	42 Ethyl acetate	88	10.557	10.551	0.006	98	37117	10.4
*	43 Chlorobromomethane	128	10.925	10.925	0.0	64	456874	10.0
	44 Tetrahydrofuran	42	10.946	10.941	0.005	73	188197	11.4
	45 Chloroform	83	11.069	11.064	0.005	98	852082	10.6
	46 Cyclohexane	84	11.299	11.299	0.0	72	608752	10.6
	47 1,1,1-Trichloroethane	97	11.347	11.341	0.006	93	996017	11.0
	49 Carbon tetrachloride	117	11.597	11.597	0.0	96	1115964	11.2
	50 Isooctane	57	12.056	12.051	0.005	97	1580277	10.5
	51 Benzene	78	12.099	12.099	0.0	92	1371693	10.3
	52 1,2-Dichloroethane	62	12.307	12.307	0.0	98	512434	11.0
	53 n-Heptane	43	12.467	12.462	0.005	74	447782	10.4
*	54 1,4-Difluorobenzene	114	12.996	12.996	0.0	91	2553095	10.0
	55 n-Butanol	56	13.439	13.433	0.006	77	185665	10.0
	56 Trichloroethene	95	13.476	13.476	0.0	94	728933	10.7
A	57 GRO	1	13.495	5.114 - 21.876		0	152574414	0
	58 1,2-Dichloropropane	63	14.079	14.074	0.005	93	511354	10.4
	59 Methyl methacrylate	69	14.255	14.255	0.0	76	542999	10.5
	60 1,4-Dioxane	88	14.325	14.319	0.006	71	231776	10.2
	61 Dibromomethane	174	14.341	14.341	0.0	92	759609	11.2
	62 Dichlorobromomethane	83	14.645	14.645	0.0	98	1137129	11.0
A	63 TVOC as Toluene	1	15.277	3.171 - 27.383		0	303136806	2410.4
	64 cis-1,3-Dichloropropene	75	15.605	15.605	0.0	85	897892	10.8
	65 4-Methyl-2-pentanone (MIBK)	43	15.915	15.915	0.0	87	704556	10.9
	66 Toluene	92	16.203	16.203	0.0	93	1273634	10.5
A	67 Toluene Range	1	16.203	16.163 - 16.243		0	8416483	NC
	68 n-Octane	43	16.246	16.241	0.005	77	787170	10.7
A	69 C8 Range	1	16.241	16.191 - 16.291		0	8416483	NC
	70 trans-1,3-Dichloropropene	75	16.817	16.817	0.0	87	940241	10.6
	71 1,1,2-Trichloroethane	83	17.196	17.196	0.0	94	586882	10.7
	72 Tetrachloroethene	166	17.287	17.287	0.0	95	1184308	11.2
	73 2-Hexanone	43	17.660	17.655	0.005	86	692079	10.9
	74 Chlorodibromomethane	129	17.964	17.964	0.0	97	1295392	11.1
	75 Ethylene Dibromide	107	18.242	18.242	0.0	98	1170281	10.9
*	76 Chlorobenzene-d5	117	19.138	19.139	-0.001	78	2452220	10.0
	77 Chlorobenzene	112	19.197	19.197	0.0	96	1831184	10.7
	79 Ethylbenzene	91	19.347	19.347	0.0	96	2785828	10.7
	80 n-Nonane	57	19.448	19.448	0.0	79	1041762	10.5
	81 m-Xylene & p-Xylene	106	19.597	19.598	-0.001	99	2357242	21.8
S	82 Xylenes, Total	106				0		32.6
	83 o-Xylene	106	20.409	20.403	0.006	95	1133185	10.7
	84 Styrene	104	20.457	20.457	0.0	97	1793440	11.0
	85 Bromoform	173	20.852	20.852	0.0	98	1399078	11.4
	86 Isopropylbenzene	105	21.038	21.038	0.0	94	3261663	10.9
$	87 4-Bromofluorobenzene	95	21.391	21.391	0.0	98	1680839	NC
	88 1,1,2,2-Tetrachloroethane	83	21.657	21.658	-0.001	96	1543711	10.8
	89 N-Propylbenzene	91	21.722	21.722	0.0	99	3821504	10.9
	90 1,2,3-Trichloropropane	75	21.754	21.754	0.0	87	1160254	10.9

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 n-Decane	57	21.866	21.866	0.0	76	1299348	11.1
92 4-Ethyltoluene	105	21.898	21.898	0.0	95	3430199	11.3
93 2-Chlorotoluene	91	21.914	21.914	0.0	95	2638491	11.2
94 1,3,5-Trimethylbenzene	105	21.999	21.999	0.0	93	2791720	11.0
95 Alpha Methyl Styrene	118	22.351	22.351	0.0	90	1493222	11.2
96 tert-Butylbenzene	119	22.474	22.474	0.0	90	2732388	10.9
97 1,2,4-Trimethylbenzene	105	22.565	22.565	0.0	95	2796157	11.1
98 sec-Butylbenzene	105	22.784	22.784	0.0	99	4014599	10.9
99 4-Isopropyltoluene	119	22.981	22.981	0.0	95	3557952	11.1
100 1,3-Dichlorobenzene	146	23.018	23.018	0.0	98	2081092	11.1
101 1,4-Dichlorobenzene	146	23.157	23.157	0.0	96	2078288	11.1
102 Benzyl chloride	91	23.365	23.365	0.0	99	2439321	11.0
103 n-Butylbenzene	91	23.568	23.573	-0.005	97	3008724	11.5
104 Undecane	57	23.579	23.579	0.0	86	1399029	12.8
105 1,2-Dichlorobenzene	146	23.712	23.712	0.0	98	1938326	11.0
106 Dodecane	57	25.233	25.233	0.0	89	1356437	13.2
107 1,2,4-Trichlorobenzene	180	26.343	26.343	0.0	92	1648766	13.2
108 Hexachlorobutadiene	225	26.530	26.530	0.0	94	1407283	11.9
109 Naphthalene	128	26.872	26.872	0.0	99	3427857	15.8
110 1,2,3-Trichlorobenzene	180	27.373	27.373	0.0	96	1459802	14.1

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

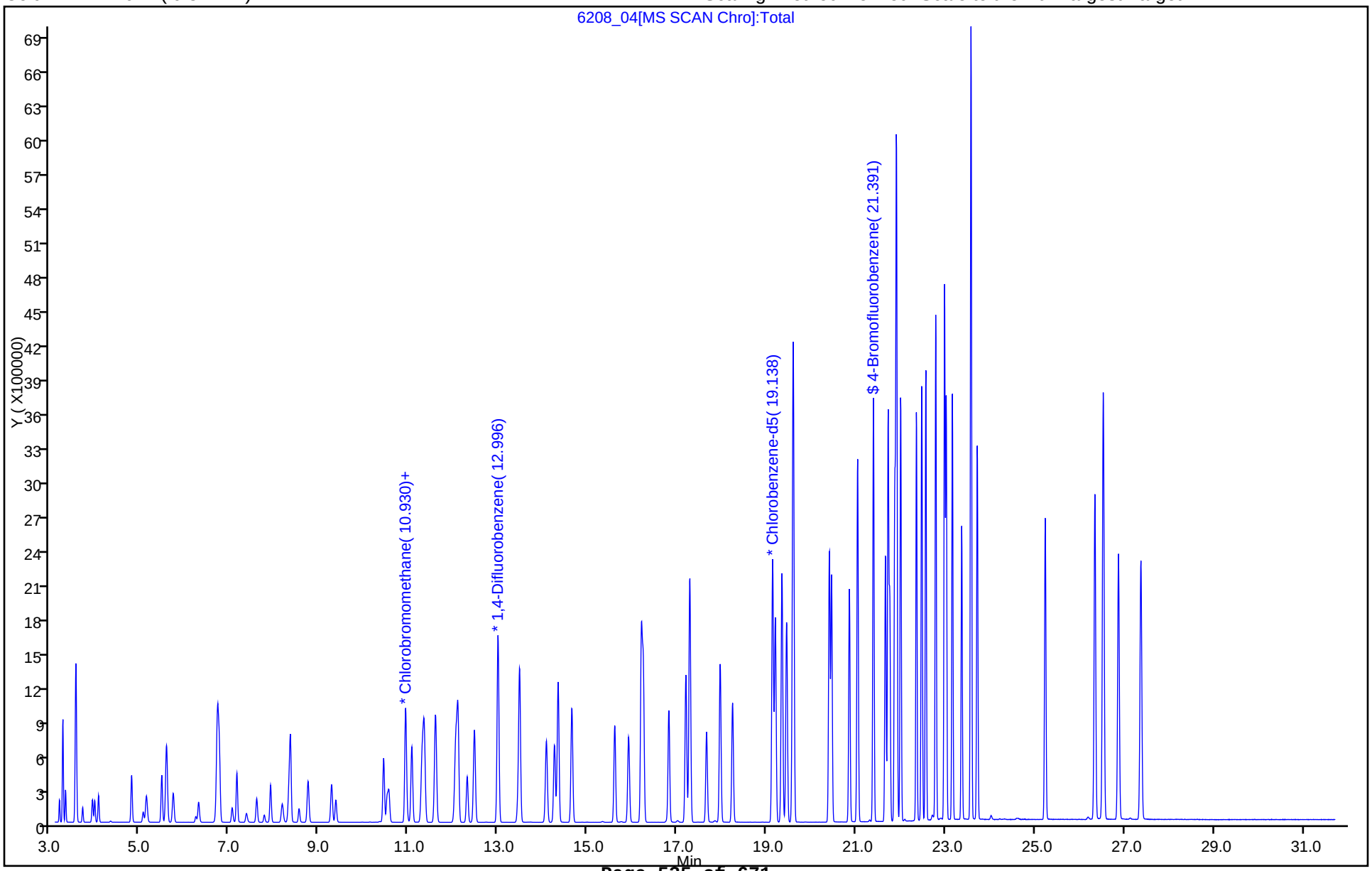
Report Date: 18-Feb-2014 16:04:58 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140218-6208.b\6208_04.D

Injection Date:	18-Feb-2014 14:59:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	LCS	Lab Sample ID:	LCS 200-68510/4-A	Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Instrument ID: CHC.i Start Date: 01/03/2014 07:37

Analysis Batch Number: 66774 End Date: 01/03/2014 20:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-66774/1		01/03/2014 07:37	1	cma001.D	RTX-624 0.32(mm)
VIBLK 200-66774/2		01/03/2014 08:51	1		RTX-624 0.32(mm)
IC 200-66774/3		01/03/2014 09:43	1	cma003.D	RTX-624 0.32(mm)
IC 200-66774/4		01/03/2014 10:35	1	cma004.D	RTX-624 0.32(mm)
IC 200-66774/5		01/03/2014 11:28	1	cma005.D	RTX-624 0.32(mm)
IC 200-66774/6		01/03/2014 12:20	1	cma006.D	RTX-624 0.32(mm)
ICIS 200-66774/7		01/03/2014 13:12	1	cma007.D	RTX-624 0.32(mm)
IC 200-66774/8		01/03/2014 14:04	1	cma008.D	RTX-624 0.32(mm)
IC 200-66774/9		01/03/2014 14:56	1	cma009.D	RTX-624 0.32(mm)
IC 200-66774/10		01/03/2014 15:48	1	cma010.D	RTX-624 0.32(mm)
VIBLK 200-66774/11		01/03/2014 16:33	1		RTX-624 0.32(mm)
ICV 200-66774/13		01/03/2014 17:25	1	cma013.D	RTX-624 0.32(mm)
VIBLK 200-66774/14		01/03/2014 18:19	1		RTX-624 0.32(mm)
ZZZZZ		01/03/2014 19:12	1		RTX-624 0.32(mm)
ZZZZZ		01/03/2014 20:04	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Instrument ID: CHC.i Start Date: 02/14/2014 14:13

Analysis Batch Number: 68401 End Date: 02/15/2014 11:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-68401/1		02/14/2014 14:13	1	6163_01.D	RTX-624 0.32(mm)
CCV 200-68401/2		02/14/2014 15:02	1		RTX-624 0.32(mm)
CCVIS 200-68401/3		02/14/2014 15:59	1	6163_03.D	RTX-624 0.32(mm)
LCS 200-68401/4		02/14/2014 16:57	1	6163_04.D	RTX-624 0.32(mm)
ZZZZZ		02/14/2014 17:49	1		RTX-624 0.32(mm)
MB 200-68401/6		02/14/2014 18:41	1	6163_06.D	RTX-624 0.32(mm)
ZZZZZ		02/14/2014 19:33	3.01		RTX-624 0.32(mm)
ZZZZZ		02/14/2014 20:25	14		RTX-624 0.32(mm)
ZZZZZ		02/14/2014 21:17	2		RTX-624 0.32(mm)
ZZZZZ		02/14/2014 22:09	10		RTX-624 0.32(mm)
ZZZZZ		02/14/2014 23:01	1		RTX-624 0.32(mm)
ZZZZZ		02/14/2014 23:53	4		RTX-624 0.32(mm)
ZZZZZ		02/15/2014 00:45	10		RTX-624 0.32(mm)
ZZZZZ		02/15/2014 02:29	10		RTX-624 0.32(mm)
ZZZZZ		02/15/2014 03:21	56.4		RTX-624 0.32(mm)
ZZZZZ		02/15/2014 04:13	2.99		RTX-624 0.32(mm)
ZZZZZ		02/15/2014 05:05	1		RTX-624 0.32(mm)
ZZZZZ		02/15/2014 05:57	2.99		RTX-624 0.32(mm)
200-20861-2	SDS-2	02/15/2014 07:41	5	6163_19.D	RTX-624 0.32(mm)
200-20861-3	SDS-3	02/15/2014 08:34	1	6163_20.D	RTX-624 0.32(mm)
200-20861-4	SDS-4	02/15/2014 09:26	1	6163_21.D	RTX-624 0.32(mm)
200-20861-5	SDS-5	02/15/2014 10:17	6.9	6163_22.D	RTX-624 0.32(mm)
ZZZZZ		02/15/2014 11:09	1		RTX-624 0.32(mm)

TO-15

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Instrument ID: CHC.i Start Date: 02/17/2014 10:16

Analysis Batch Number: 68430 End Date: 02/18/2014 09:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-68430/1		02/17/2014 10:16	1	6176_01.D	RTX-624 0.32(mm)
CCV 200-68430/2		02/17/2014 11:08	1		RTX-624 0.32(mm)
CCVIS 200-68430/3		02/17/2014 12:00	1	6176_03.D	RTX-624 0.32(mm)
LCS 200-68430/4		02/17/2014 12:53	1	6176_04.D	RTX-624 0.32(mm)
MB 200-68430/5		02/17/2014 13:45	1	6176_05.D	RTX-624 0.32(mm)
200-20861-1	SDS-1	02/17/2014 14:39	8	6176_06.D	RTX-624 0.32(mm)
ZZZZZ		02/17/2014 15:31	1		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 16:23	1		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 17:15	1200		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 18:07	683		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 18:59	1		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 19:51	1		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 20:43	1		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 21:35	2080		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 22:27	116		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 23:19	44.2		RTX-624 0.32(mm)
ZZZZZ		02/18/2014 00:11	8		RTX-624 0.32(mm)
ZZZZZ		02/18/2014 01:03	8		RTX-624 0.32(mm)
ZZZZZ		02/18/2014 01:55	333		RTX-624 0.32(mm)
200-20861-9	SSDS-MID-CARBON	02/18/2014 02:47	2	6176_20.D	RTX-624 0.32(mm)
ZZZZZ		02/18/2014 03:39	1		RTX-624 0.32(mm)
ZZZZZ		02/18/2014 04:31	1		RTX-624 0.32(mm)
ZZZZZ		02/18/2014 05:23	1		RTX-624 0.32(mm)
ZZZZZ		02/18/2014 06:16	1		RTX-624 0.32(mm)
ZZZZZ		02/18/2014 07:14	0.2		RTX-624 0.32(mm)
ZZZZZ		02/18/2014 08:13	0.2		RTX-624 0.32(mm)
ZZZZZ		02/18/2014 09:11	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20861-1

SDG No.: 200-20861

Instrument ID: CHC.i Start Date: 02/18/2014 12:25

Analysis Batch Number: 68510 End Date: 02/19/2014 12:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-68510/1		02/18/2014 12:25	1	6208_01.D	RTX-624 0.32(mm)
ZZZZZ		02/18/2014 13:15	1		RTX-624 0.32(mm)
CCVIS 200-68510/3		02/18/2014 14:07	1	6208_03.D	RTX-624 0.32(mm)
LCS 200-68510/4		02/18/2014 14:59	1	6208_04.D	RTX-624 0.32(mm)
MB 200-68510/5		02/18/2014 15:51	1	6208_05.D	RTX-624 0.32(mm)
ZZZZZ		02/18/2014 16:44	1		RTX-624 0.32(mm)
200-20861-6	SDS-6	02/18/2014 17:36	22	6208_07.D	RTX-624 0.32(mm)
200-20861-7	SDS-7	02/18/2014 18:28	5	6208_08.D	RTX-624 0.32(mm)
200-20861-8	SDS-8	02/18/2014 19:20	4	6208_09.D	RTX-624 0.32(mm)
200-20861-10	SSDS-EFFLUENT	02/18/2014 20:12	2.5	6208_10.D	RTX-624 0.32(mm)
ZZZZZ		02/18/2014 21:05	4820		RTX-624 0.32(mm)
ZZZZZ		02/18/2014 21:57	217		RTX-624 0.32(mm)
ZZZZZ		02/18/2014 22:50	1		RTX-624 0.32(mm)
ZZZZZ		02/18/2014 23:42	1		RTX-624 0.32(mm)
ZZZZZ		02/19/2014 00:34	1460		RTX-624 0.32(mm)
ZZZZZ		02/19/2014 01:26	3740		RTX-624 0.32(mm)
ZZZZZ		02/19/2014 02:18	1920		RTX-624 0.32(mm)
ZZZZZ		02/19/2014 03:10	3100		RTX-624 0.32(mm)
ZZZZZ		02/19/2014 04:03	660		RTX-624 0.32(mm)
ZZZZZ		02/19/2014 04:54	256		RTX-624 0.32(mm)
ZZZZZ		02/19/2014 05:46	2190		RTX-624 0.32(mm)
ZZZZZ		02/19/2014 06:39	3330		RTX-624 0.32(mm)
ZZZZZ		02/19/2014 07:31	6.06		RTX-624 0.32(mm)
ZZZZZ		02/19/2014 08:23	6.06		RTX-624 0.32(mm)
ZZZZZ		02/19/2014 09:16	1		RTX-624 0.32(mm)
ZZZZZ		02/19/2014 10:08	16200		RTX-624 0.32(mm)
ZZZZZ		02/19/2014 11:00	22600		RTX-624 0.32(mm)
ZZZZZ		02/19/2014 11:52	16100		RTX-624 0.32(mm)
ZZZZZ		02/19/2014 12:44	1		RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
Arcadis	20861	2/10/14	1225	29.7	22	69	MT

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	✓		na
(3) MA MCP: Check return flow rate for flow controllers		✓	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID	Comments
1	2988	-7.5	na	na	na	4803 5954	
2	2509	-8.0	↓	↓	↓	4275 5954	
3	4075	-7.6	↓	↓	↓	↓	
4	2537	-8.4	↓	↓	↓	↓	
5	2703	-7.6	↓	↓	↓	↓	
6	2745	-8.0	↓	↓	↓	↓	
7	4070	-7.3	↓	↓	↓	5641 5765 @ 2/21/14	
8	4384	-7.5	↓	↓	↓	↓	
9	2710	-7.3	↓	↓	↓	↓	
10	4440	-6.1	↓	↓	↓	↓	

Summa Canister Dilution Worksheet

Client: ARCADIS U.S., Inc.

Job No.: 200-20861-1
SDG No.: 200-20861

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Date	Analyst
200-20861-6	6	-8.0	0.73	4.40	39.3	3.67	22.04		5.01	5.01	02/17/14 15:09	Daigle, Paul A
200-20861-6	6	0.0	1.00	6.00	39.1	3.66	21.96		3.66	18.34	02/17/14 15:09	Daigle, Paul A

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg

Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig

Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)

14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

Pre-Shipment Clean Canister Certification Report

200-20525-A-10
5641
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 1/17/2014 12:00 AM 200-620898

Loc: 200
20525
#10
A

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		
OVEN	15	1/17/14	VS	6L	1L	3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	5649	-29.5	-29.8	-29.7	0.1
2	5146				
3	3609				
4	3421				
5	5056				
6	5099				
7	4070				
8	5637				
9	4819				
10	5641				
11	4307				
12	3864	↓	↓	↓	↓

Initial Reading		Final Reading	
Gauge ID:	64	Gauge ID:	69
Date:	1/18/14	Date:	1/22/14
Time:	750	Time:	1000
Tech:	MC	Tech:	MC
BP:	29.5 ("Hg)	BP:	29.7 ("Hg)
Temp	22 (°C)	Temp:	22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
5641	1/20/14	5765	WMD		✓				1/21/14	AMH

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

ROUTINE

200-20736-A-4
4275
Location: Air-Storage
Sample: Summa Canister 6L
Sampled: 1/31/2014 12:00 AM 200-624534

Loc: 200
20736
#4
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		
TOP	20	1/31/14	VS	6L	1L	3L

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	2537	-29.9	-30.0	-29.7	0.3
2	2509				
3	3602				
4	4275				
5	4074				
6	2710				
7	4835				
8	2573				
9	4440				
10	3153				
11	4384				
12	2703	↓	↓	↓	↓

Leak Test

Initial Reading		Final Reading	
Gauge ID:	69	Gauge ID:	611
Date:	2/1/14	Date:	2/5/14
Time:	1035	Time:	1040
Tech:	MS	Tech:	MS
BP:	29.9 ("Hg)	BP:	29.7 ("Hg)
Temp	22 (°C)	Temp:	22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
4275	2/4/14	5954	BC		↓				2/5/14	AMH

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.
Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.
Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.
Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.
Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: Sulfur dioxide @ 5.42 ppb on column

ROUTINE

Pre-Shipment Clean Canister Certification Report

200-20748-A-2
4803
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 2/4/2014 12:00 AM 200-624717

Loc: 200
20748
#2
A

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
100	25	2/1/14	MS	(6L) 1L 3L

Leak Test

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	5434	-29.9	-30.2	-30.0	0.2
2	4803				
3	4716				
4	5061				
5	3341				
6	2879				
7	3609				
8	2745				
9	2988				
10	4087				
11	3196				
12	4073				

MS 2/3/14

Initial Reading		Final Reading	
Gauge ID:	69	Gauge ID:	69
Date:	2/3/14	Date:	2/4/14
Time:	1100	Time:	1430
Tech:	MS	Tech:	VS
BP:	29.9 ("Hg)	BP:	30.0 ("Hg)
Temp	72 (°C)	Temp:	22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
4803	2/4/14	5954	BC		✓				2/5/14	AM

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5765003.D

Lab ID: LCS 200-67338/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	10.2	102	70-130	
Dichlorodifluoromethane	10.0	11.1	111	70-130	
Freon 22	10.0	10.9	109	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.3	113	70-130	
Chloromethane	10.0	10.7	107	70-130	
n-Butane	10.0	10.4	104	70-130	
Vinyl chloride	10.0	11.5	115	70-130	
1,3-Butadiene	10.0	11.1	111	70-130	
Bromomethane	10.0	11.1	111	70-130	
Chloroethane	10.0	11.0	110	70-130	
Bromoethene(Vinyl Bromide)	10.0	11.3	113	70-130	
Trichlorofluoromethane	10.0	11.2	112	70-130	
Ethanol	15.0	16.3	109	70-130	
Freon TF	10.0	12.1	121	70-130	
1,1-Dichloroethene	10.0	11.9	119	70-130	
Acetone	10.0	11.6	116	70-130	
Isopropyl alcohol	10.0	10.1	101	70-130	
Carbon disulfide	10.0	10.1	101	70-130	
3-Chloropropene	10.0	10.2	102	70-130	
Methylene Chloride	10.0	11.2	112	70-130	
tert-Butyl alcohol	10.0	10.4	104	70-130	
Methyl tert-butyl ether	10.0	11.2	112	70-130	
trans-1,2-Dichloroethene	10.0	10.9	109	70-130	
n-Hexane	10.0	11.0	110	70-130	
1,1-Dichloroethane	10.0	11.3	113	70-130	
Vinyl acetate	10.0	10.3	103	70-130	
Ethyl acetate	10.0	11.4	114	70-130	
Methyl Ethyl Ketone	10.0	9.34	93	70-130	
cis-1,2-Dichloroethene	10.0	11.1	111	70-130	
Chloroform	10.0	11.1	111	70-130	
Tetrahydrofuran	10.0	10.3	103	70-130	
1,1,1-Trichloroethane	10.0	10.5	105	70-130	
Cyclohexane	10.0	10.4	104	70-130	
Carbon tetrachloride	10.0	10.7	107	70-130	
2,2,4-Trimethylpentane	10.0	10.4	104	70-130	
Benzene	10.0	10.5	105	70-130	
1,2-Dichloroethane	10.0	10.5	105	70-130	
n-Heptane	10.0	9.93	99	70-130	
Trichloroethene	10.0	10.8	108	70-130	
Methyl methacrylate	10.0	10.7	107	70-130	
1,2-Dichloropropane	10.0	10.6	106	70-130	
1,4-Dioxane	10.0	9.84	98	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5765003.D

Lab ID: LCS 200-67338/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.5	115	70-130	
cis-1,3-Dichloropropene	10.0	10.8	108	70-130	
methyl isobutyl ketone	10.0	10.5	105	70-130	
Toluene	10.0	10.0	100	70-130	
trans-1,3-Dichloropropene	10.0	11.0	110	70-130	
1,1,2-Trichloroethane	10.0	9.92	99	70-130	
Tetrachloroethene	10.0	10.3	103	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.88	99	70-130	
Dibromochloromethane	10.0	11.3	113	70-130	
1,2-Dibromoethane	10.0	10.4	104	70-130	
Chlorobenzene	10.0	10.3	103	70-130	
Ethylbenzene	10.0	10.5	105	70-130	
m,p-Xylene	20.0	20.8	104	70-130	
Xylene, o-	10.0	10.4	104	70-130	
Styrene	10.0	10.7	107	70-130	
Bromoform	10.0	11.7	117	70-130	
Cumene	10.0	10.7	107	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.1	101	70-130	
n-Propylbenzene	10.0	10.7	107	70-130	
4-Ethyltoluene	10.0	10.9	109	70-130	
1,3,5-Trimethylbenzene	10.0	10.7	107	70-130	
2-Chlorotoluene	10.0	10.6	106	70-130	
tert-Butylbenzene	10.0	10.8	109	70-130	
1,2,4-Trimethylbenzene	10.0	10.7	107	70-130	
sec-Butylbenzene	10.0	11.0	110	70-130	
4-Isopropyltoluene	10.0	11.0	110	70-130	
1,3-Dichlorobenzene	10.0	10.8	108	70-130	
1,4-Dichlorobenzene	10.0	10.9	109	70-130	
Benzyl chloride	10.0	9.03	90	70-130	
n-Butylbenzene	10.0	11.3	113	70-130	
1,2-Dichlorobenzene	10.0	10.5	105	70-130	
1,2,4-Trichlorobenzene	10.0	11.3	113	70-130	
Hexachlorobutadiene	10.0	11.3	113	70-130	
Naphthalene	10.0	13.1	131	70-130	*

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5954003.d

Lab ID: LCS 200-67900/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	9.44	94	70-130	
Dichlorodifluoromethane	10.0	9.95	100	70-130	
Freon 22	10.0	9.83	98	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.0	100	70-130	
Chloromethane	10.0	10.1	102	70-130	
n-Butane	10.0	10.0	101	70-130	
Vinyl chloride	10.0	10.7	108	70-130	
1,3-Butadiene	10.0	11.6	116	70-130	
Bromomethane	10.0	10.1	101	70-130	
Chloroethane	10.0	11.1	111	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.9	109	70-130	
Trichlorofluoromethane	10.0	10.3	103	70-130	
Ethanol	15.0	14.7	98	70-130	
Freon TF	10.0	11.2	112	70-130	
1,1-Dichloroethene	10.0	11.6	116	70-130	
Acetone	10.0	10.3	103	70-130	
Isopropyl alcohol	10.0	9.16	92	70-130	
Carbon disulfide	10.0	10.4	104	70-130	
3-Chloropropene	10.0	10.6	106	70-130	
Methylene Chloride	10.0	11.5	115	70-130	
tert-Butyl alcohol	10.0	9.37	94	70-130	
Methyl tert-butyl ether	10.0	11.5	115	70-130	
trans-1,2-Dichloroethene	10.0	10.5	105	70-130	
n-Hexane	10.0	10.6	106	70-130	
1,1-Dichloroethane	10.0	10.5	105	70-130	
Vinyl acetate	10.0	9.82	98	70-130	
Ethyl acetate	10.0	10.1	101	70-130	
Methyl Ethyl Ketone	10.0	10.3	103	70-130	
cis-1,2-Dichloroethene	10.0	11.0	110	70-130	
Chloroform	10.0	10.4	104	70-130	
Tetrahydrofuran	10.0	10.3	103	70-130	
1,1,1-Trichloroethane	10.0	10.7	107	70-130	
Cyclohexane	10.0	11.1	111	70-130	
Carbon tetrachloride	10.0	10.9	109	70-130	
2,2,4-Trimethylpentane	10.0	11.1	111	70-130	
Benzene	10.0	10.6	106	70-130	
1,2-Dichloroethane	10.0	10.6	106	70-130	
n-Heptane	10.0	11.1	111	70-130	
Trichloroethene	10.0	10.8	108	70-130	
Methyl methacrylate	10.0	10.6	106	70-130	
1,2-Dichloropropane	10.0	10.5	105	70-130	
1,4-Dioxane	10.0	8.52	85	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5954003.d

Lab ID: LCS 200-67900/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.3	113	70-130	
cis-1,3-Dichloropropene	10.0	11.1	111	70-130	
methyl isobutyl ketone	10.0	11.4	114	70-130	
Toluene	10.0	10.4	104	70-130	
trans-1,3-Dichloropropene	10.0	11.0	110	70-130	
1,1,2-Trichloroethane	10.0	10.2	102	70-130	
Tetrachloroethene	10.0	10.4	104	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.4	104	70-130	
Dibromochloromethane	10.0	11.5	115	70-130	
1,2-Dibromoethane	10.0	10.6	106	70-130	
Chlorobenzene	10.0	10.1	101	70-130	
Ethylbenzene	10.0	10.5	106	70-130	
m,p-Xylene	20.0	21.2	106	70-130	
Xylene, o-	10.0	10.7	107	70-130	
Styrene	10.0	11.0	110	70-130	
Bromoform	10.0	11.7	117	70-130	
Cumene	10.0	11.0	110	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.0	100	70-130	
n-Propylbenzene	10.0	10.9	109	70-130	
4-Ethyltoluene	10.0	11.0	110	70-130	
1,3,5-Trimethylbenzene	10.0	10.4	104	70-130	
2-Chlorotoluene	10.0	10.7	107	70-130	
tert-Butylbenzene	10.0	10.6	106	70-130	
1,2,4-Trimethylbenzene	10.0	10.4	104	70-130	
sec-Butylbenzene	10.0	10.6	106	70-130	
4-Isopropyltoluene	10.0	10.9	109	70-130	
1,3-Dichlorobenzene	10.0	10.3	103	70-130	
1,4-Dichlorobenzene	10.0	10.4	104	70-130	
Benzyl chloride	10.0	8.97	90	70-130	
n-Butylbenzene	10.0	10.9	109	70-130	
1,2-Dichlorobenzene	10.0	9.99	100	70-130	
1,2,4-Trichlorobenzene	10.0	8.77	88	70-130	
Hexachlorobutadiene	10.0	9.51	95	70-130	
Naphthalene	10.0	9.07	91	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5954003.d

Lab ID: LCS 200-67900/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	9.44	94	70-130	
Dichlorodifluoromethane	10.0	9.95	100	70-130	
Freon 22	10.0	9.83	98	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.0	100	70-130	
Chloromethane	10.0	10.1	102	70-130	
n-Butane	10.0	10.0	101	70-130	
Vinyl chloride	10.0	10.7	108	70-130	
1,3-Butadiene	10.0	11.6	116	70-130	
Bromomethane	10.0	10.1	101	70-130	
Chloroethane	10.0	11.1	111	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.9	109	70-130	
Trichlorofluoromethane	10.0	10.3	103	70-130	
Ethanol	15.0	14.7	98	70-130	
Freon TF	10.0	11.2	112	70-130	
1,1-Dichloroethene	10.0	11.6	116	70-130	
Acetone	10.0	10.3	103	70-130	
Isopropyl alcohol	10.0	9.16	92	70-130	
Carbon disulfide	10.0	10.4	104	70-130	
3-Chloropropene	10.0	10.6	106	70-130	
Methylene Chloride	10.0	11.5	115	70-130	
tert-Butyl alcohol	10.0	9.37	94	70-130	
Methyl tert-butyl ether	10.0	11.5	115	70-130	
trans-1,2-Dichloroethene	10.0	10.5	105	70-130	
n-Hexane	10.0	10.6	106	70-130	
1,1-Dichloroethane	10.0	10.5	105	70-130	
Vinyl acetate	10.0	9.82	98	70-130	
Ethyl acetate	10.0	10.1	101	70-130	
Methyl Ethyl Ketone	10.0	10.3	103	70-130	
cis-1,2-Dichloroethene	10.0	11.0	110	70-130	
Chloroform	10.0	10.4	104	70-130	
Tetrahydrofuran	10.0	10.3	103	70-130	
1,1,1-Trichloroethane	10.0	10.7	107	70-130	
Cyclohexane	10.0	11.1	111	70-130	
Carbon tetrachloride	10.0	10.9	109	70-130	
2,2,4-Trimethylpentane	10.0	11.1	111	70-130	
Benzene	10.0	10.6	106	70-130	
1,2-Dichloroethane	10.0	10.6	106	70-130	
n-Heptane	10.0	11.1	111	70-130	
Trichloroethene	10.0	10.8	108	70-130	
Methyl methacrylate	10.0	10.6	106	70-130	
1,2-Dichloropropane	10.0	10.5	105	70-130	
1,4-Dioxane	10.0	8.52	85	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5954003.d

Lab ID: LCS 200-67900/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.3	113	70-130	
cis-1,3-Dichloropropene	10.0	11.1	111	70-130	
methyl isobutyl ketone	10.0	11.4	114	70-130	
Toluene	10.0	10.4	104	70-130	
trans-1,3-Dichloropropene	10.0	11.0	110	70-130	
1,1,2-Trichloroethane	10.0	10.2	102	70-130	
Tetrachloroethene	10.0	10.4	104	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.4	104	70-130	
Dibromochloromethane	10.0	11.5	115	70-130	
1,2-Dibromoethane	10.0	10.6	106	70-130	
Chlorobenzene	10.0	10.1	101	70-130	
Ethylbenzene	10.0	10.5	106	70-130	
m,p-Xylene	20.0	21.2	106	70-130	
Xylene, o-	10.0	10.7	107	70-130	
Styrene	10.0	11.0	110	70-130	
Bromoform	10.0	11.7	117	70-130	
Cumene	10.0	11.0	110	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.0	100	70-130	
n-Propylbenzene	10.0	10.9	109	70-130	
4-Ethyltoluene	10.0	11.0	110	70-130	
1,3,5-Trimethylbenzene	10.0	10.4	104	70-130	
2-Chlorotoluene	10.0	10.7	107	70-130	
tert-Butylbenzene	10.0	10.6	106	70-130	
1,2,4-Trimethylbenzene	10.0	10.4	104	70-130	
sec-Butylbenzene	10.0	10.6	106	70-130	
4-Isopropyltoluene	10.0	10.9	109	70-130	
1,3-Dichlorobenzene	10.0	10.3	103	70-130	
1,4-Dichlorobenzene	10.0	10.4	104	70-130	
Benzyl chloride	10.0	8.97	90	70-130	
n-Butylbenzene	10.0	10.9	109	70-130	
1,2-Dichlorobenzene	10.0	9.99	100	70-130	
1,2,4-Trichlorobenzene	10.0	8.77	88	70-130	
Hexachlorobutadiene	10.0	9.51	95	70-130	
Naphthalene	10.0	9.07	91	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Lab File ID: 5765004.D Lab Sample ID: MB 200-67338/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHG.i Date Analyzed: 01/20/2014 11:36

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-67338/3	5765003.D	01/20/2014 10:49
5641	200-20525-10	5765028.D	01/21/2014 06:49

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67338/4

Matrix: Air Lab File ID: 5765004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 01/20/2014 11:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67338 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-20525-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-67338/4

Matrix: Air | Lab File ID: 5765004.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 01/20/2014 11:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 67338 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67338/4

Matrix: Air Lab File ID: 5765004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 01/20/2014 11:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67338 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140120-5765.b\5765004.D
Lims ID: MB Lab Sample ID: MB 200-67338/4-A
Client ID:
Sample Type: MB
Inject. Date: 20-Jan-2014 11:36:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005765-004
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140120-5765.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 20-Jan-2014 10:16:31 Calib Date: 10-Jan-2014 19:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140110-5680.b\gin14.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: desjardinsb Date: 20-Jan-2014 12:19:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		3.058					
2 Dichlorodifluoromethane	85		3.132					
3 Difluoroethane TIC	51	2.999	3.150	-0.151	1	1045	NC	
4 Chlorotrifluoroethene TIC	116		3.162					
5 Freon 115 TIC	85		3.180					
6 Chlorodifluoromethane	51		3.181					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.411					
8 Chloromethane	50		3.544					
9 Butane	43		3.764					
10 Vinyl chloride	62		3.801					
11 Butadiene	54		3.887					
12 Bromomethane	94		4.588					
13 Chloroethane	64		4.839					
14 2-Methylbutane	43		4.935					
15 Vinyl bromide	106		5.246					
16 Trichlorofluoromethane	101		5.363					
17 Pentane	43		5.524					
19 Ethanol	45		5.941					
20 1,1,1-Trifluoro-2,2-dichloroetha	83		6.000					
21 Ethyl ether	59		6.059					
22 Acrolein	56		6.428					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.492					
24 1,1-Dichloroethene	96		6.519					
25 Acetone	43		6.744					
26 Carbon disulfide	76		6.904					
27 Isopropyl alcohol	45		7.059					
28 Methyl Acetate TIC	43		7.200					
29 3-Chloro-1-propene	41		7.332					
30 Acetonitrile	41		7.428					
31 Methylene Chloride	49		7.621					
32 2-Methyl-2-propanol	59		7.862					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	33 Methyl tert-butyl ether	73		8.060						
	34 trans-1,2-Dichloroethene	61		8.086						
	35 Acrylonitrile	53		8.215						
	36 Hexane	57		8.514						
	37 1,1-Dichloroethane	63		8.980						
	38 Vinyl acetate	43		9.071						
	39 cis-1,2-Dichloroethene	96		10.119						
	40 2-Butanone (MEK)	72		10.173						
S	41 1,2-Dichloroethene, Total	61		10.200						
	42 Ethyl acetate	88		10.237						
*	43 Chlorobromomethane	128	10.590	10.595	-0.005		68	977416	10.0	
	44 Tetrahydrofuran	42		10.606						
	45 Chloroform	83		10.740						
	46 Cyclohexane	84		11.023						
	47 1,1,1-Trichloroethane	97		11.034						
	48 Carbon tetrachloride	117		11.301						
	49 Methyl cyclohexane TIC	55		11.500						
	50 Benzene	78		11.778						
	51 Isooctane	57		11.788						
	52 1,2-Dichloroethane	62		11.949						
	53 n-Heptane	43		12.200						
*	54 1,4-Difluorobenzene	114	12.655	12.660	-0.005		91	5925610	10.0	
	55 n-Butanol	56		13.051						
	56 Trichloroethene	95		13.147						
A	57 GRO	1	13.316	4.925 - 21.706			0	1884913	0	
	58 1,2-Dichloropropane	63		13.720						
	59 Methyl methacrylate	69		13.917						
	60 1,4-Dioxane	88		13.955						
	61 Dibromomethane	174		13.976						
	62 Dichlorobromomethane	83		14.292						
A	63 TVOC as Toluene	1	15.044	3.048 - 27.040			0	2106861	5.97	
	64 cis-1,3-Dichloropropene	75		15.266						
	65 4-Methyl-2-pentanone (MIBK)	43		15.571						
A	67 Toluene Range	1	15.886	15.846	-15.926		0	59081	NC	
	66 Toluene	92		15.886						
	68 n-Octane	43		15.993						
A	69 C8 Range	1	15.980	15.977	-15.983		0	4340	NC	
	70 trans-1,3-Dichloropropene	75		16.480						
	71 1,1,2-Trichloroethane	83		16.854						
	72 Tetrachloroethene	166		16.999						
	73 2-Hexanone	43		17.325						
	74 Chlorodibromomethane	129		17.630						
	75 Ethylene Dibromide	107		17.903						
*	76 Chlorobenzene-d5	117	18.823	18.823	0.0		81	5933944	10.0	
	77 Chlorobenzene	112		18.887						
	78 Ethylbenzene	91		19.053						
	79 n-Nonane	57		19.214						
	80 1,2-Dibromo-3-Chloropropane TIC	75		19.300						
	81 m-Xylene & p-Xylene	106		19.305						
S	82 Xylenes, Total	106		20.100						
	83 o-Xylene	106		20.134						
	84 Styrene	104		20.182						

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	85 Bromoform	173		20.567					
	86 Isopropylbenzene	105		20.797					
$	87 4-Bromofluorobenzene	95	21.140	21.140	0.0	98	2896492	NC	
	88 1,1,2,2-Tetrachloroethane	83		21.396					
	89 1,2,3-Trichloropropane	75		21.493					
	90 N-Propylbenzene	91		21.498					
	92 2-Chlorotoluene	91		21.680					
	91 4-Ethyltoluene	105		21.680					
	93 n-Decane	57		21.696					
	94 1,3,5-Trimethylbenzene	105		21.787					
	95 Alpha Methyl Styrene	118		22.140					
	96 tert-Butylbenzene	119		22.268					
	97 1,2,4-Trimethylbenzene	105		22.359					
	98 sec-Butylbenzene	105		22.589					
	99 4-Isopropyltoluene	119		22.787					
	100 1,3-Dichlorobenzene	146		22.803					
	101 1,4-Dichlorobenzene	146	22.937	22.937	0.0	66	13029	0.0310	
	102 Benzyl chloride	91		23.135					
	103 n-Butylbenzene	91		23.365					
	104 Undecane	57		23.408					
	105 1,2-Dichlorobenzene	146		23.477					
	106 Dodecane	57		25.034					
	107 1,2,4-Trichlorobenzene	180		26.051					
	108 Hexachlorobutadiene	225		26.259					
	109 Naphthalene	128		26.543					
	110 1,2,3-Trichlorobenzene	180		27.030					
	111 Total Alkanes	1		0.0					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

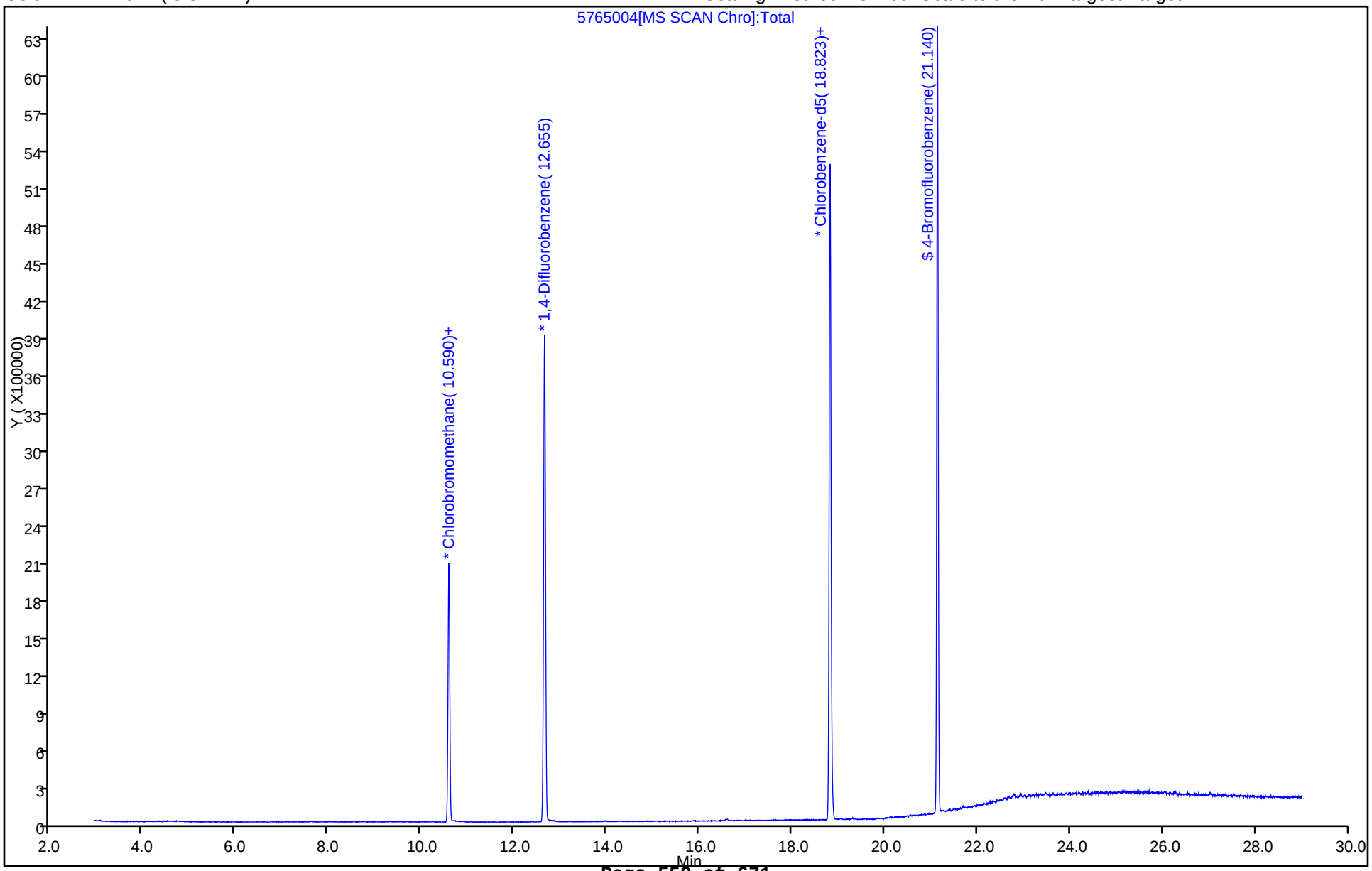
Report Date: 20-Jan-2014 12:19:55 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140120-5765.b\5765004.D

Injection Date:	20-Jan-2014 11:36:30	Instrument ID:	CHG.i	Operator ID:	wrd
Lims ID:	MB	Lab Sample ID:	MB 200-67338/4-A	Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Lab File ID: 5954004.d Lab Sample ID: MB 200-67900/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 02/03/2014 15:05

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-67900/3	5954003.d	02/03/2014 13:51
4275	200-20736-4	20736-4.d	02/04/2014 05:55

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67900/4

Matrix: Air Lab File ID: 5954004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/03/2014 15:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67900 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-20736-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-67900/4

Matrix: Air | Lab File ID: 5954004.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 02/03/2014 15:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 67900 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67900/4

Matrix: Air Lab File ID: 5954004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/03/2014 15:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67900 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\5954004.d
Lims ID: MB Lab Sample ID: MB 200-67900/4-A
Client ID:
Sample Type: MB
Inject. Date: 03-Feb-2014 15:05:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005954-004
Misc. Info.: MB
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 04-Feb-2014 14:11:35 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 03-Feb-2014 15:45:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
2 Difluoroethane TIC	51		3.150					
3 Chlorotrifluoroethene TIC	116		3.162					
4 Freon 115 TIC	85		3.180					
5 1,1,1-Trifluoro-2,2-dichloroetha	83		3.200					
1 Propene	41		4.383					
6 Dichlorodifluoromethane	85		4.474					
7 Chlorodifluoromethane	51		4.538					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.020					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.341					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.309					
14 Chloroethane	64		6.593					
15 2-Methylbutane	43		6.678					
16 Vinyl bromide	106		7.069					
17 Trichlorofluoromethane	101		7.186					
25 Methyl Acetate TIC	43		7.200					
18 Pentane	43		7.352					
19 Ethanol	45		7.796					
20 Ethyl ether	59		7.935					
21 Acrolein	56		8.401					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.438					
23 1,1-Dichloroethene	96		8.508					
24 Acetone	43	8.797	8.743	0.054	73	14195	0.2891	M
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.027					
28 3-Chloro-1-propene	41		9.401					
29 Acetonitrile	41		9.535					
30 Methylene Chloride	49		9.733					
31 2-Methyl-2-propanol	59		9.899					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.161					
33 trans-1,2-Dichloroethene	61		10.230					
34 Acrylonitrile	53		10.380					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.193					
37 Vinyl acetate	43		11.236					
47 Methyl cyclohexane TIC	55		11.500					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.386					
41 Ethyl acetate	88		12.413					
43 Tetrahydrofuran	42		12.846					
* 42 Chlorobromomethane	128	12.857	12.857	0.0	69	352231	10.0	
44 Chloroform	83		12.964					
45 Cyclohexane	84		13.258					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.536					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.275					
* 53 1,4-Difluorobenzene	114	14.746	14.746	0.0	92	1736699	10.0	
54 n-Butanol	56		15.018					
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.815					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.222					
A 61 GRO	1	16.562	6.593 -	26.531	0	13005215	206.4	E
A 62 TVOC as Toluene	1	16.642	4.319 -	28.965	0	13180187	116.1	
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.319					
67 n-Octane	43		17.656					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.191					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.950					
74 1,2-Dibromo-3-Chloropropane TIC	75		19.300					
72 Chlorodibromomethane	129		19.314					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.443	20.443	0.0	82	1522048	10.0	
76 Chlorobenzene	112		20.502					
77 Ethylbenzene	91		20.614					
78 n-Nonane	57		20.673					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					

Report Date: 04-Feb-2014 14:11:37 Chrom Revision: 2.1 15-Jan-2014 14:06:26
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\5954004.d

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 107 4-Bromofluorobenzene	95	22.455	22.444	0.010	0	1005632	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.668					
86 N-Propylbenzene	91		22.743					
87 1,2,3-Trichloropropane	75		22.770					
88 n-Decane	57		22.861					
84 4-Ethyltoluene	105		22.909					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
91 Alpha Methyl Styrene	118		23.353					
92 tert-Butylbenzene	119		23.482					
93 1,2,4-Trimethylbenzene	105		23.573					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.081					
97 1,4-Dichlorobenzene	146		24.225					
98 Benzyl chloride	91		24.434					
99 Undecane	57		24.632					
100 n-Butylbenzene	91		24.653					
101 1,2-Dichlorobenzene	146		24.835					
102 Dodecane	57		26.435					
103 1,2,4-Trichlorobenzene	180		27.729					
104 Hexachlorobutadiene	225		27.933					
105 Naphthalene	128		28.318					
106 1,2,3-Trichlorobenzene	180		28.885					M
108 Total Alkanes	1		0.0					
109 Total Hydrocarbons	1		0.0					
110 BFB								

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

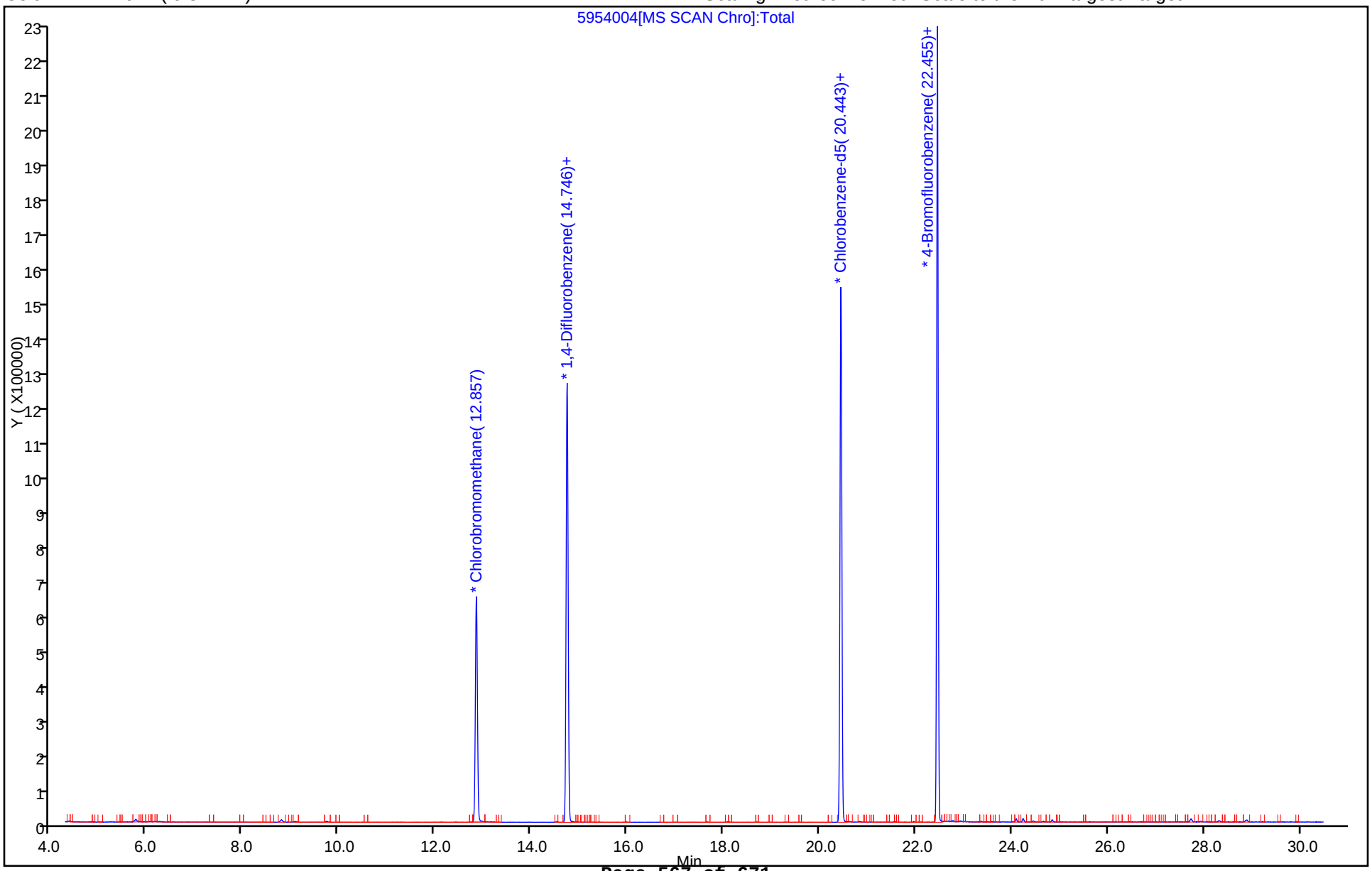
Report Date: 04-Feb-2014 14:11:37 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\5954004.d

Injection Date:	03-Feb-2014 15:05:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	MB	Lab Sample ID:	MB 200-67900/4-A	Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

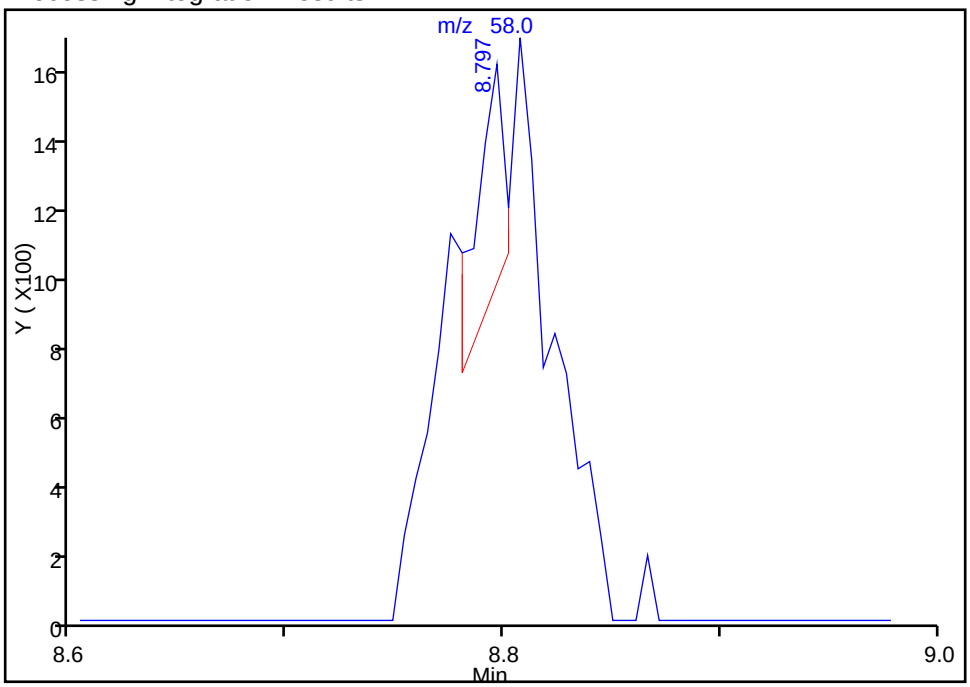
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\5954004.d				
Injection Date:	03-Feb-2014 15:05:30	Instrument ID:	CHW.i		
Lims ID:	MB	Lab Sample ID:	MB 200-67900/4-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

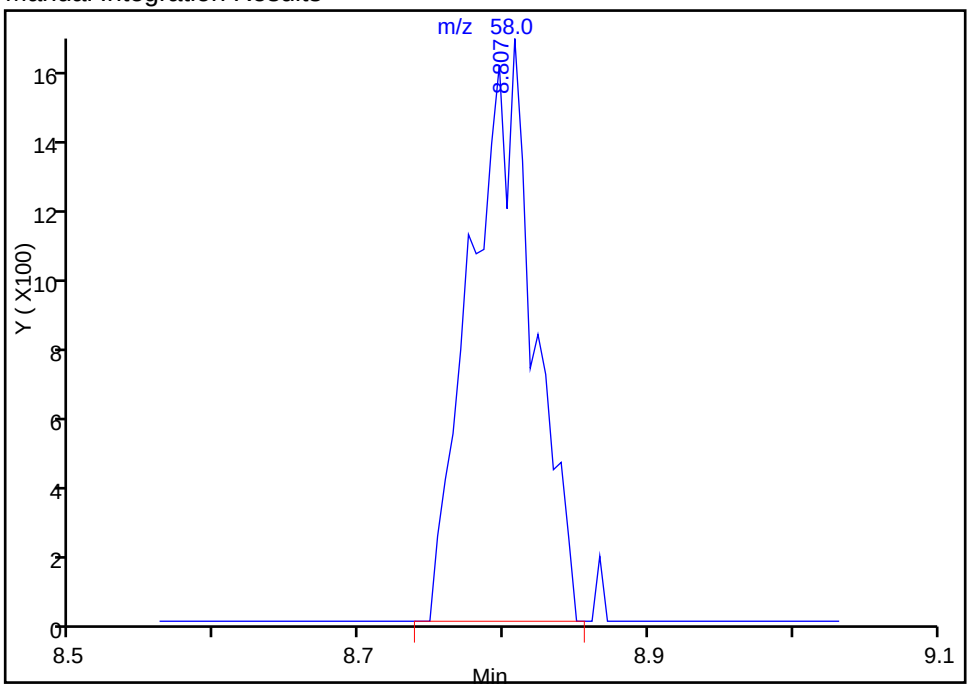
Processing Integration Results

RT: 8.80
Response: 572
Amount: 0.289133



Manual Integration Results

RT: 8.81
Response: 4840
Amount: 0.289133



Reviewer: lyonsb, 04-Feb-2014 14:03:21
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Lab File ID: 5954004.d Lab Sample ID: MB 200-67900/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 02/03/2014 15:05

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-67900/3	5954003.d	02/03/2014 13:51
4803	200-20748-2	20748-2.d	02/04/2014 07:03

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67900/4

Matrix: Air Lab File ID: 5954004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/03/2014 15:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67900 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-20748-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-67900/4

Matrix: Air | Lab File ID: 5954004.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 02/03/2014 15:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 67900 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67900/4

Matrix: Air Lab File ID: 5954004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/03/2014 15:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67900 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\5954004.d
Lims ID: MB Lab Sample ID: MB 200-67900/4-A
Client ID:
Sample Type: MB
Inject. Date: 03-Feb-2014 15:05:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005954-004
Misc. Info.: MB
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 04-Feb-2014 14:11:35 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 03-Feb-2014 15:45:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
2 Difluoroethane TIC	51		3.150					
3 Chlorotrifluoroethene TIC	116		3.162					
4 Freon 115 TIC	85		3.180					
5 1,1,1-Trifluoro-2,2-dichloroetha	83		3.200					
1 Propene	41		4.383					
6 Dichlorodifluoromethane	85		4.474					
7 Chlorodifluoromethane	51		4.538					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.020					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.341					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.309					
14 Chloroethane	64		6.593					
15 2-Methylbutane	43		6.678					
16 Vinyl bromide	106		7.069					
17 Trichlorofluoromethane	101		7.186					
25 Methyl Acetate TIC	43		7.200					
18 Pentane	43		7.352					
19 Ethanol	45		7.796					
20 Ethyl ether	59		7.935					
21 Acrolein	56		8.401					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.438					
23 1,1-Dichloroethene	96		8.508					
24 Acetone	43	8.797	8.743	0.054	73	14195	0.2891	M
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.027					
28 3-Chloro-1-propene	41		9.401					
29 Acetonitrile	41		9.535					
30 Methylene Chloride	49		9.733					
31 2-Methyl-2-propanol	59		9.899					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.161					
33 trans-1,2-Dichloroethene	61		10.230					
34 Acrylonitrile	53		10.380					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.193					
37 Vinyl acetate	43		11.236					
47 Methyl cyclohexane TIC	55		11.500					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.386					
41 Ethyl acetate	88		12.413					
43 Tetrahydrofuran	42		12.846					
* 42 Chlorobromomethane	128	12.857	12.857	0.0	69	352231	10.0	
44 Chloroform	83		12.964					
45 Cyclohexane	84		13.258					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.536					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.275					
* 53 1,4-Difluorobenzene	114	14.746	14.746	0.0	92	1736699	10.0	
54 n-Butanol	56		15.018					
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.815					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.222					
A 61 GRO	1	16.562	6.593 -	26.531	0	13005215	206.4	E
A 62 TVOC as Toluene	1	16.642	4.319 -	28.965	0	13180187	116.1	
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.319					
67 n-Octane	43		17.656					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.191					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.950					
74 1,2-Dibromo-3-Chloropropane TIC	75		19.300					
72 Chlorodibromomethane	129		19.314					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.443	20.443	0.0	82	1522048	10.0	
76 Chlorobenzene	112		20.502					
77 Ethylbenzene	91		20.614					
78 n-Nonane	57		20.673					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					

Report Date: 04-Feb-2014 14:11:37 Chrom Revision: 2.1 15-Jan-2014 14:06:26
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\5954004.d

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 107 4-Bromofluorobenzene	95	22.455	22.444	0.010	0	1005632	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.668					
86 N-Propylbenzene	91		22.743					
87 1,2,3-Trichloropropane	75		22.770					
88 n-Decane	57		22.861					
84 4-Ethyltoluene	105		22.909					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
91 Alpha Methyl Styrene	118		23.353					
92 tert-Butylbenzene	119		23.482					
93 1,2,4-Trimethylbenzene	105		23.573					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.081					
97 1,4-Dichlorobenzene	146		24.225					
98 Benzyl chloride	91		24.434					
99 Undecane	57		24.632					
100 n-Butylbenzene	91		24.653					
101 1,2-Dichlorobenzene	146		24.835					
102 Dodecane	57		26.435					
103 1,2,4-Trichlorobenzene	180		27.729					
104 Hexachlorobutadiene	225		27.933					
105 Naphthalene	128		28.318					
106 1,2,3-Trichlorobenzene	180		28.885					M
108 Total Alkanes	1		0.0					
109 Total Hydrocarbons	1		0.0					
110 BFB								

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

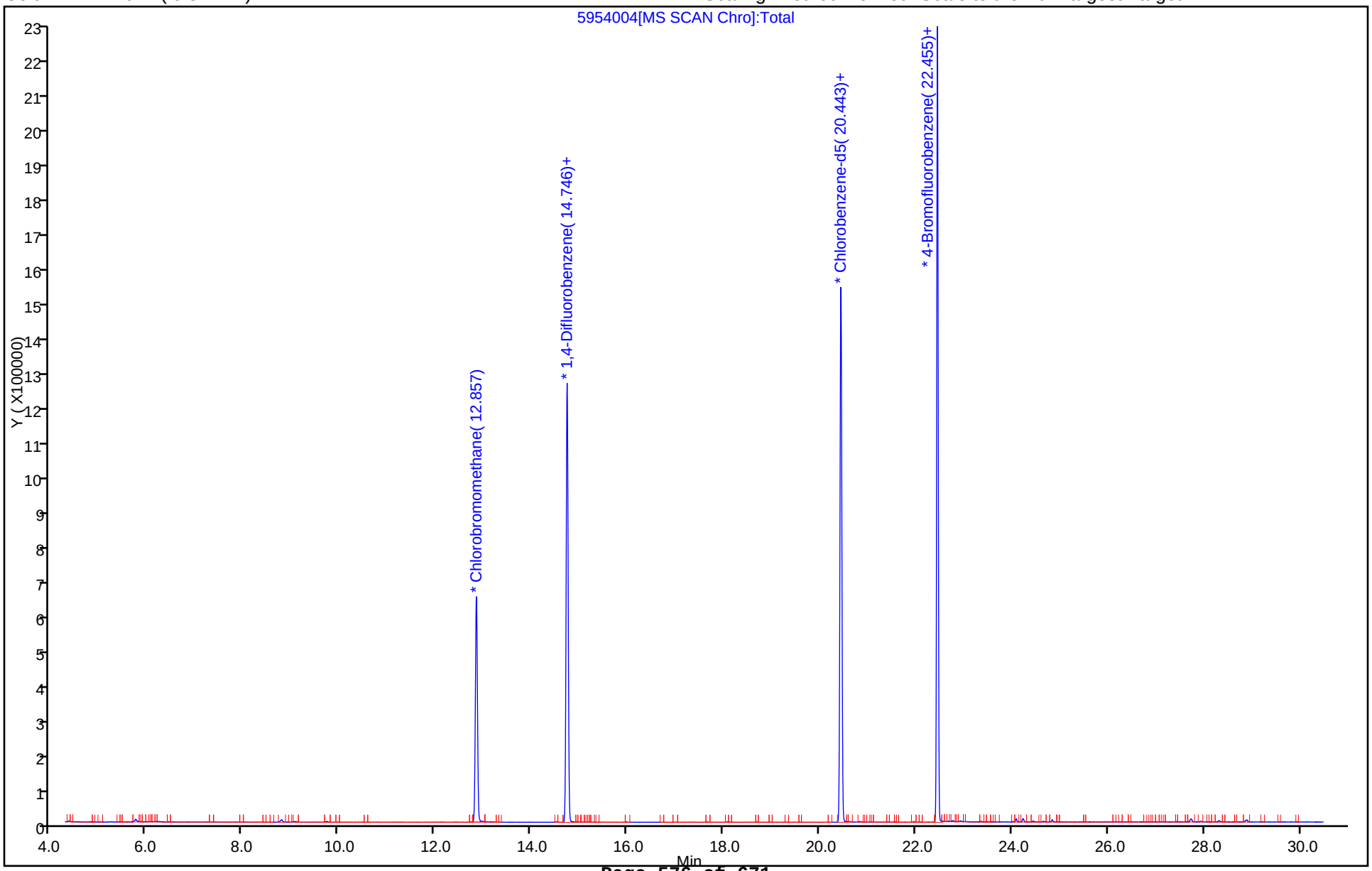
Report Date: 04-Feb-2014 14:11:37 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\5954004.d

Injection Date:	03-Feb-2014 15:05:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	MB	Lab Sample ID:	MB 200-67900/4-A	Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

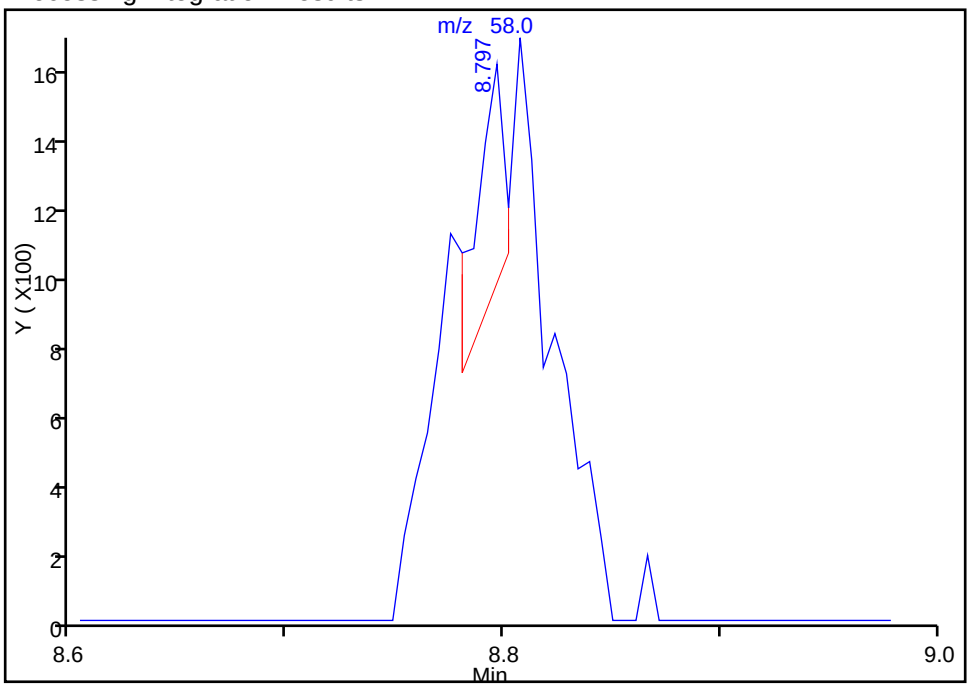
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\5954004.d				
Injection Date:	03-Feb-2014 15:05:30	Instrument ID:	CHW.i		
Lims ID:	MB	Lab Sample ID:	MB 200-67900/4-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

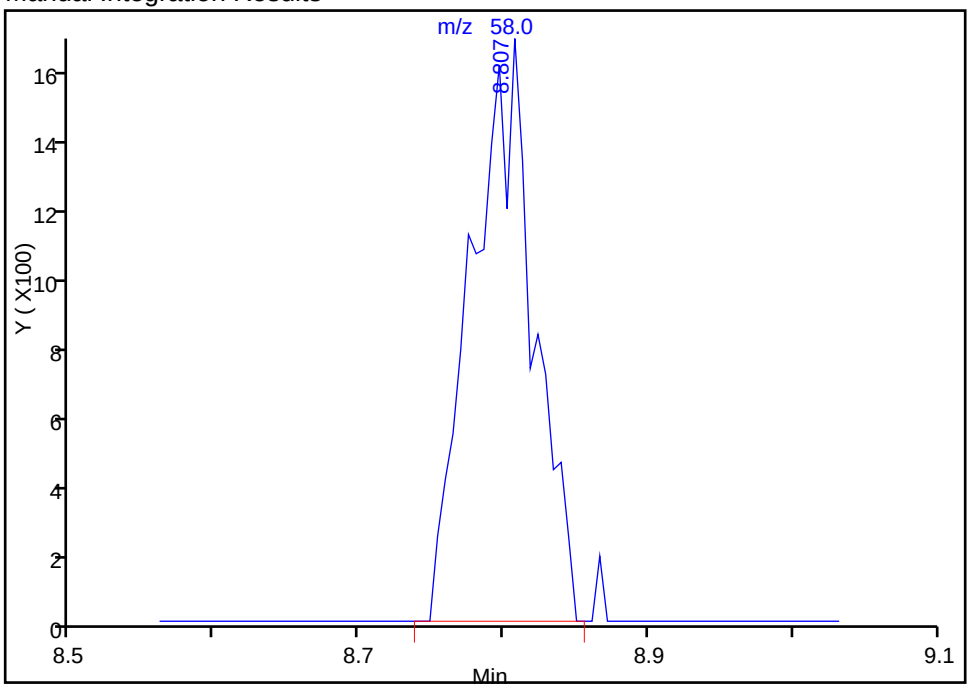
Processing Integration Results

RT: 8.80
Response: 572
Amount: 0.289133



Manual Integration Results

RT: 8.81
Response: 4840
Amount: 0.289133



Reviewer: lyonsb, 04-Feb-2014 14:03:21
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Lab File ID: gin01.D BFB Injection Date: 01/10/2014

Instrument ID: CHG.i BFB Injection Time: 09:12

Analysis Batch No.: 67034

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.0	
75	30.0 - 66.0% of mass 95	39.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.6	(0.6)1
174	50.0 - 120.0% of mass 95	110.5	
175	4.0 - 9.0 % of mass 174	7.8	(7.0)1
176	93.0 - 101.0% of mass 174	108.7	(98.4)1
177	5.0 - 9.0% of mass 176	7.1	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-67034/3	gin03.D	01/10/2014	10:43
	IC 200-67034/4	gin04.D	01/10/2014	11:30
	IC 200-67034/6	gin06.D	01/10/2014	13:04
	ICIS 200-67034/7	gin07.D	01/10/2014	13:50
	IC 200-67034/8	gin08.D	01/10/2014	14:37
	IC 200-67034/9	gin09.D	01/10/2014	15:24
	IC 200-67034/10	gin10.D	01/10/2014	16:11
	IC 200-67034/14	gin14.D	01/10/2014	19:18
	ICV 200-67034/15	gin15.D	01/10/2014	20:05

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Lab File ID: 5765001.D BFB Injection Date: 01/20/2014

Instrument ID: CHG.i BFB Injection Time: 09:13

Analysis Batch No.: 67338

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	11.6	
75	30.0 - 66.0% of mass 95	38.6	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	107.0	
175	4.0 - 9.0 % of mass 174	7.2	(6.8)1
176	93.0 - 101.0% of mass 174	105.6	(98.8)1
177	5.0 - 9.0% of mass 176	6.8	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-67338/2	5765002.D	01/20/2014	10:00
	LCS 200-67338/3	5765003.D	01/20/2014	10:49
	MB 200-67338/4	5765004.D	01/20/2014	11:36
5641	200-20525-10	5765028.D	01/21/2014	06:49

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Lab File ID: wak001.d BFB Injection Date: 12/12/2013

Instrument ID: CHW.i BFB Injection Time: 15:40

Analysis Batch No.: 65929

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.0	
75	30.0 - 66.0% of mass 95	44.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	100.6	
175	4.0 - 9.0 % of mass 174	7.1	(7.1)1
176	93.0 - 101.0% of mass 174	97.7	(97.1)1
177	5.0 - 9.0% of mass 176	6.6	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-65929/4	wak004.d	12/12/2013	18:12
	IC 200-65929/5	wak005.d	12/12/2013	19:03
	IC 200-65929/6	wak006.d	12/12/2013	19:52
	IC 200-65929/7	wak007.d	12/12/2013	20:40
	ICIS 200-65929/8	wak008.d	12/12/2013	21:29
	IC 200-65929/9	wak009.d	12/12/2013	22:18
	IC 200-65929/10	wak010.d	12/12/2013	23:07
	IC 200-65929/11	wak011.d	12/12/2013	23:57
	ICV 200-65929/14	wak014.d	12/13/2013	02:26

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Lab File ID: 5954001.d BFB Injection Date: 02/03/2014

Instrument ID: CHW.i BFB Injection Time: 12:05

Analysis Batch No.: 67900

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.2	
75	30.0 - 66.0% of mass 95	45.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	102.3	
175	4.0 - 9.0 % of mass 174	7.3	(7.1)1
176	93.0 - 101.0% of mass 174	99.3	(97.1)1
177	5.0 - 9.0% of mass 176	6.6	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 200-67900/2	5954002.d	02/03/2014	12:59
	LCS 200-67900/3	5954003.d	02/03/2014	13:51
	MB 200-67900/4	5954004.d	02/03/2014	15:05
4275	200-20736-4	20736-4.d	02/04/2014	05:55

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Lab File ID: wak001.d BFB Injection Date: 12/12/2013

Instrument ID: CHW.i BFB Injection Time: 15:40

Analysis Batch No.: 65929

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.0	
75	30.0 - 66.0% of mass 95	44.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	100.6	
175	4.0 - 9.0 % of mass 174	7.1	(7.1)1
176	93.0 - 101.0% of mass 174	97.7	(97.1)1
177	5.0 - 9.0% of mass 176	6.6	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-65929/4	wak004.d	12/12/2013	18:12
	IC 200-65929/5	wak005.d	12/12/2013	19:03
	IC 200-65929/6	wak006.d	12/12/2013	19:52
	IC 200-65929/7	wak007.d	12/12/2013	20:40
	ICIS 200-65929/8	wak008.d	12/12/2013	21:29
	IC 200-65929/9	wak009.d	12/12/2013	22:18
	IC 200-65929/10	wak010.d	12/12/2013	23:07
	IC 200-65929/11	wak011.d	12/12/2013	23:57
	ICV 200-65929/14	wak014.d	12/13/2013	02:26

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Lab File ID: 5954001.d BFB Injection Date: 02/03/2014

Instrument ID: CHW.i BFB Injection Time: 12:05

Analysis Batch No.: 67900

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.2	
75	30.0 - 66.0% of mass 95	45.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	102.3	
175	4.0 - 9.0 % of mass 174	7.3	(7.1)1
176	93.0 - 101.0% of mass 174	99.3	(97.1)1
177	5.0 - 9.0% of mass 176	6.6	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 200-67900/2	5954002.d	02/03/2014	12:59
	LCS 200-67900/3	5954003.d	02/03/2014	13:51
	MB 200-67900/4	5954004.d	02/03/2014	15:05
4803	200-20748-2	20748-2.d	02/04/2014	07:03

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Sample No.: ICIS 200-67034/7 Date Analyzed: 01/10/2014 13:50

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): gin07.D Heated Purge: (Y/N) N

Calibration ID: 25089

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		620052	10.60	3615429	12.67	3689888	18.83
UPPER LIMIT		868073	10.93	5061601	13.00	5165843	19.16
LOWER LIMIT		372031	10.27	2169257	12.34	2213933	18.50
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-67034/15		665313	10.60	3882522	12.66	3939110	18.82

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Sample No.: CCVIS 200-67338/2 Date Analyzed: 01/20/2014 10:00

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 5765002.D Heated Purge: (Y/N) N

Calibration ID: 25089

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		976882	10.60	6006056	12.66	6385182	18.82
UPPER LIMIT		1367635	10.93	8408478	12.99	8939255	19.15
LOWER LIMIT		586129	10.27	3603634	12.33	3831109	18.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-67338/3		985481	10.60	5955591	12.66	6272027	18.82
MB 200-67338/4		977416	10.59	5925610	12.66	5933944	18.82
200-20525-10	5641	964079	10.59	5856803	12.66	5736062	18.82

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Sample No.: ICIS 200-65929/8 Date Analyzed: 12/12/2013 21:29

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): wak008.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		248225	12.87	1207029	14.76	1082079	20.45
UPPER LIMIT		347515	13.20	1689841	15.09	1514911	20.78
LOWER LIMIT		148935	12.54	724217	14.43	649247	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-65929/14		239504	12.87	1142712	14.75	1065474	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Sample No.: ICIS 200-65929/8 Date Analyzed: 12/12/2013 21:29

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): wak008.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		248225	12.87	1207029	14.76	1082079	20.45
UPPER LIMIT		347515	13.20	1689841	15.09	1514911	20.78
LOWER LIMIT		148935	12.54	724217	14.43	649247	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-65929/14		239504	12.87	1142712	14.75	1065474	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Client Sample ID: 5641 Lab Sample ID: 200-20525-10

Matrix: Air Lab File ID: 5765028.D

Analysis Method: TO-15 Date Collected: 01/17/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 01/21/2014 06:49

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67338 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Client Sample ID: 5641 Lab Sample ID: 200-20525-10

Matrix: Air Lab File ID: 5765028.D

Analysis Method: TO-15 Date Collected: 01/17/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 01/21/2014 06:49

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67338 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Client Sample ID: 5641 Lab Sample ID: 200-20525-10

Matrix: Air Lab File ID: 5765028.D

Analysis Method: TO-15 Date Collected: 01/17/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 01/21/2014 06:49

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67338 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

Report Date: 21-Jan-2014 10:04:37 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140120-5765.b\5765028.D
Lims ID: 200-20525-A-10 Lab Sample ID: 200-20525-10
Client ID: 5641
Sample Type: Client
Inject. Date: 21-Jan-2014 06:49:30 ALS Bottle#: 8 Worklist Smp#: 28
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0005765-028
Misc. Info.: 20525-10
Operator ID: wrd Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140120-5765.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 10:04:37 Calib Date: 10-Jan-2014 19:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140110-5680.b\gin14.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: desjardinsb Date: 21-Jan-2014 10:04:37

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
	1 Propene	41		3.058					
	2 Dichlorodifluoromethane	85		3.132					
	6 Chlorodifluoromethane	51		3.181					
	7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.411					
	8 Chloromethane	50		3.544					
	9 Butane	43		3.764					
	10 Vinyl chloride	62		3.801					
	11 Butadiene	54		3.887					
	12 Bromomethane	94		4.588					
	13 Chloroethane	64		4.839					
	15 Vinyl bromide	106		5.246					
	16 Trichlorofluoromethane	101		5.363					
	19 Ethanol	45		5.941					
	23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.492					
	24 1,1-Dichloroethene	96		6.519					
	25 Acetone	43		6.744					
	26 Carbon disulfide	76		6.904					
	27 Isopropyl alcohol	45		7.059					
	29 3-Chloro-1-propene	41		7.332					
	31 Methylene Chloride	49		7.621					
	32 2-Methyl-2-propanol	59		7.862					
	33 Methyl tert-butyl ether	73		8.060					
	34 trans-1,2-Dichloroethene	61		8.086					
	36 Hexane	57		8.514					
	37 1,1-Dichloroethane	63		8.980					
	38 Vinyl acetate	43		9.071					
	39 cis-1,2-Dichloroethene	96		10.119					
	40 2-Butanone (MEK)	72		10.173					
S	41 1,2-Dichloroethene, Total	61		10.200					
	42 Ethyl acetate	88		10.237					
*	43 Chlorobromomethane	128	10.590	10.595	-0.005	68	964079	10.0	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	44 Tetrahydrofuran		42		10.606					
	45 Chloroform		83		10.740					
	46 Cyclohexane		84		11.023					
	47 1,1,1-Trichloroethane		97		11.034					
	48 Carbon tetrachloride		117		11.301					
	50 Benzene		78		11.778					
	51 Isooctane		57		11.788					
	52 1,2-Dichloroethane		62		11.949					
	53 n-Heptane		43		12.200					
*	54 1,4-Difluorobenzene		114	12.655	12.660	-0.005	91	5856803	10.0	
	56 Trichloroethene		95		13.147					
	58 1,2-Dichloropropane		63		13.720					
	59 Methyl methacrylate		69		13.917					
	60 1,4-Dioxane		88		13.955					
	61 Dibromomethane		174		13.976					
	62 Dichlorobromomethane		83		14.292					
	64 cis-1,3-Dichloropropene		75		15.266					
	65 4-Methyl-2-pentanone (MIBK)		43		15.571					
	66 Toluene		92		15.886					
	70 trans-1,3-Dichloropropene		75		16.480					
	71 1,1,2-Trichloroethane		83		16.854					
	72 Tetrachloroethene		166		16.999					
	73 2-Hexanone		43		17.325					
	74 Chlorodibromomethane		129		17.630					
	75 Ethylene Dibromide		107		17.903					
*	76 Chlorobenzene-d5		117	18.823	18.823	0.0	81	5736062	10.0	
	77 Chlorobenzene		112		18.887					
	78 Ethylbenzene		91		19.053					
	81 m-Xylene & p-Xylene		106		19.305					
S	82 Xylenes, Total		106		20.100					
	83 o-Xylene		106		20.134					
	84 Styrene		104		20.182					
	85 Bromoform		173		20.567					
	86 Isopropylbenzene		105		20.797					
$	87 4-Bromofluorobenzene		95	21.140	21.140	0.0	98	2644279	NC	
	88 1,1,2,2-Tetrachloroethane		83		21.396					
	90 N-Propylbenzene		91		21.498					
	91 4-Ethyltoluene		105		21.680					
	92 2-Chlorotoluene		91		21.680					
	94 1,3,5-Trimethylbenzene		105		21.787					
	96 tert-Butylbenzene		119		22.268					
	97 1,2,4-Trimethylbenzene		105		22.359					
	98 sec-Butylbenzene		105		22.589					
	99 4-Isopropyltoluene		119		22.787					
	100 1,3-Dichlorobenzene		146		22.803					
	101 1,4-Dichlorobenzene		146		22.937					
	102 Benzyl chloride		91		23.135					
	103 n-Butylbenzene		91		23.365					
	105 1,2-Dichlorobenzene		146		23.477					
	107 1,2,4-Trichlorobenzene		180		26.051					
	108 Hexachlorobutadiene		225		26.259					
	109 Naphthalene		128		26.543					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

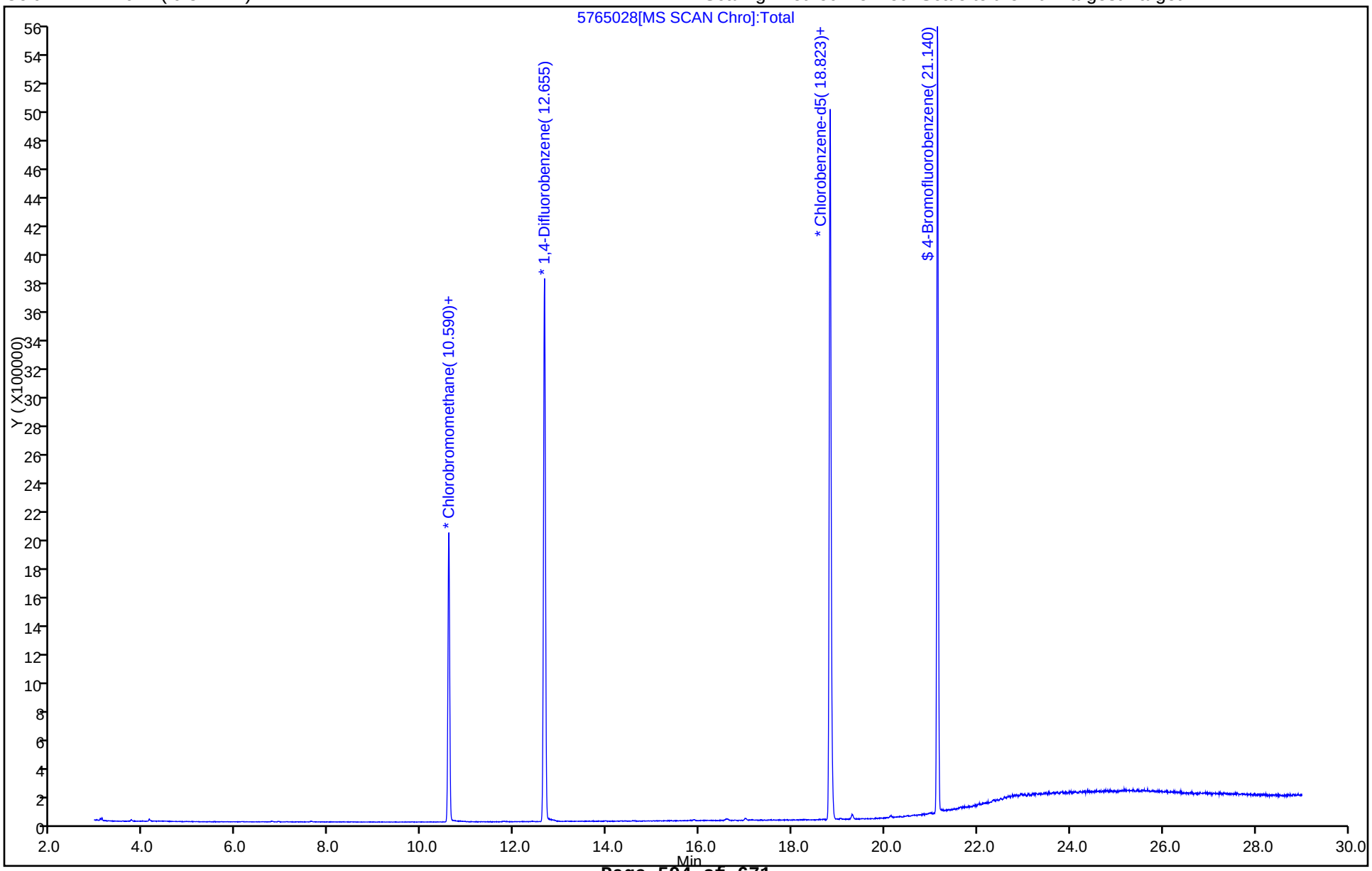
Report Date: 21-Jan-2014 10:04:37 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140120-5765.b\5765028.D

Injection Date:	21-Jan-2014 06:49:30	Instrument ID:	CHG.i	Operator ID:	wrd
Lims ID:	200-20525-A-10	Lab Sample ID:	200-20525-10	Worklist Smp#:	28
Client ID:	5641				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Client Sample ID: 4275 Lab Sample ID: 200-20736-4

Matrix: Air Lab File ID: 20736-4.d

Analysis Method: TO-15 Date Collected: 01/31/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/04/2014 05:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67900 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Client Sample ID: 4275 Lab Sample ID: 200-20736-4

Matrix: Air Lab File ID: 20736-4.d

Analysis Method: TO-15 Date Collected: 01/31/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/04/2014 05:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67900 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Client Sample ID: 4275 Lab Sample ID: 200-20736-4

Matrix: Air Lab File ID: 20736-4.d

Analysis Method: TO-15 Date Collected: 01/31/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/04/2014 05:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67900 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Report Date: 04-Feb-2014 14:11:51 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\20736-4.d
Lims ID: 200-20736-A-4 Lab Sample ID: 200-20736-4
Client ID: 4275
Sample Type: Client
Inject. Date: 04-Feb-2014 05:55:30 ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0005954-022
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 04-Feb-2014 14:11:35 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: lyonsb Date: 04-Feb-2014 12:32:24

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	1 Propene	41		4.383					
	6 Dichlorodifluoromethane	85		4.474					
	7 Chlorodifluoromethane	51		4.538					
	8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
	9 Chloromethane	50		5.020					
	10 Butane	43		5.282					
	11 Vinyl chloride	62		5.341					
	12 Butadiene	54		5.437					
	13 Bromomethane	94		6.309					
	14 Chloroethane	64		6.593					
	16 Vinyl bromide	106		7.069					
	17 Trichlorofluoromethane	101		7.186					
	19 Ethanol	45		7.796					
	22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.438					
	23 1,1-Dichloroethene	96		8.508					
	24 Acetone	43	8.882	8.743	0.139	63	9004	0.2218	M
	26 Carbon disulfide	76		9.000					
	27 Isopropyl alcohol	45		9.027					
	28 3-Chloro-1-propene	41		9.401					
	30 Methylene Chloride	49		9.733					
	31 2-Methyl-2-propanol	59		9.899					
S	38 1,2-Dichloroethene, Total	61		10.000					
	32 Methyl tert-butyl ether	73		10.161					
	33 trans-1,2-Dichloroethene	61		10.230					
	35 Hexane	57		10.648					
	36 1,1-Dichloroethane	63		11.193					
	37 Vinyl acetate	43		11.236					
	39 cis-1,2-Dichloroethene	96		12.376					
	40 2-Butanone (MEK)	72		12.386					
	41 Ethyl acetate	88		12.413					
	43 Tetrahydrofuran	42		12.846					
*	42 Chlorobromomethane	128	12.878	12.857	0.021	69	291193	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
44 Chloroform	83		12.964					
45 Cyclohexane	84		13.258					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.536					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.275					
* 53 1,4-Difluorobenzene	114	14.761	14.746	0.015	93	1413354	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106				0		0.1772	
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.815					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.319					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.191					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.950					
72 Chlorodibromomethane	129		19.314					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.443	0.005	83	1164144	10.0	
76 Chlorobenzene	112		20.502					
77 Ethylbenzene	91	20.625	20.614	0.011	61	7187	0.0413	
79 m-Xylene & p-Xylene	106	20.833	20.833	0.0	0	12135	0.1772	
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.449	22.444	0.005	0	749168	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.668					
86 N-Propylbenzene	91		22.743					
84 4-Ethyltoluene	105		22.909					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
92 tert-Butylbenzene	119		23.482					
93 1,2,4-Trimethylbenzene	105		23.573					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.081					
97 1,4-Dichlorobenzene	146		24.225					
98 Benzyl chloride	91		24.434					
100 n-Butylbenzene	91		24.653					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.729					
104 Hexachlorobutadiene	225		27.933					
105 Naphthalene	128		28.318					
110 BFB								

QC Flag Legend

Review Flags
M - Manually Integrated

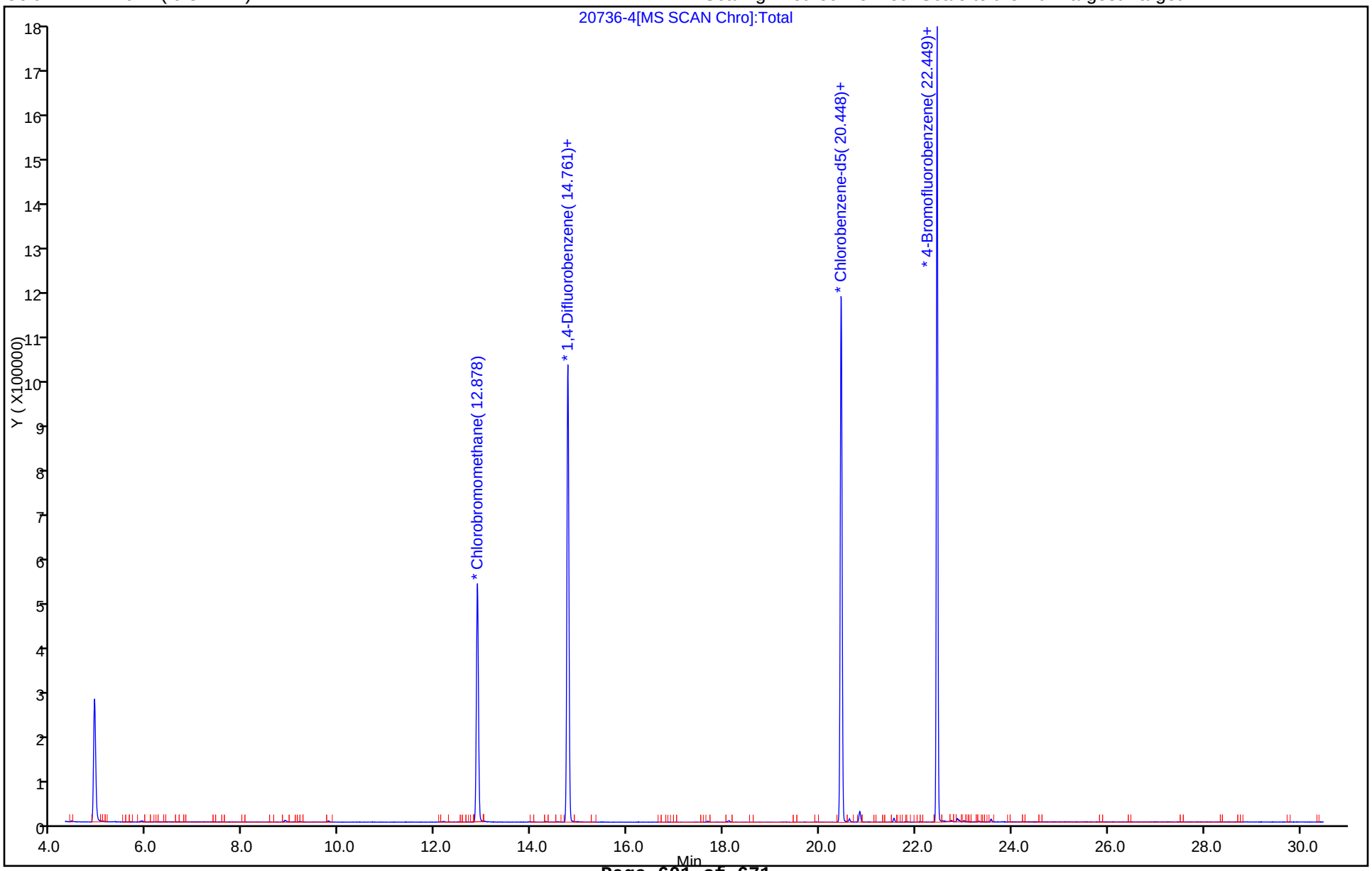
Report Date: 04-Feb-2014 14:11:51 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\20736-4.d

Injection Date:	04-Feb-2014 05:55:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	200-20736-A-4	Lab Sample ID:	200-20736-4	Worklist Smp#:	22
Client ID:	4275				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	20
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

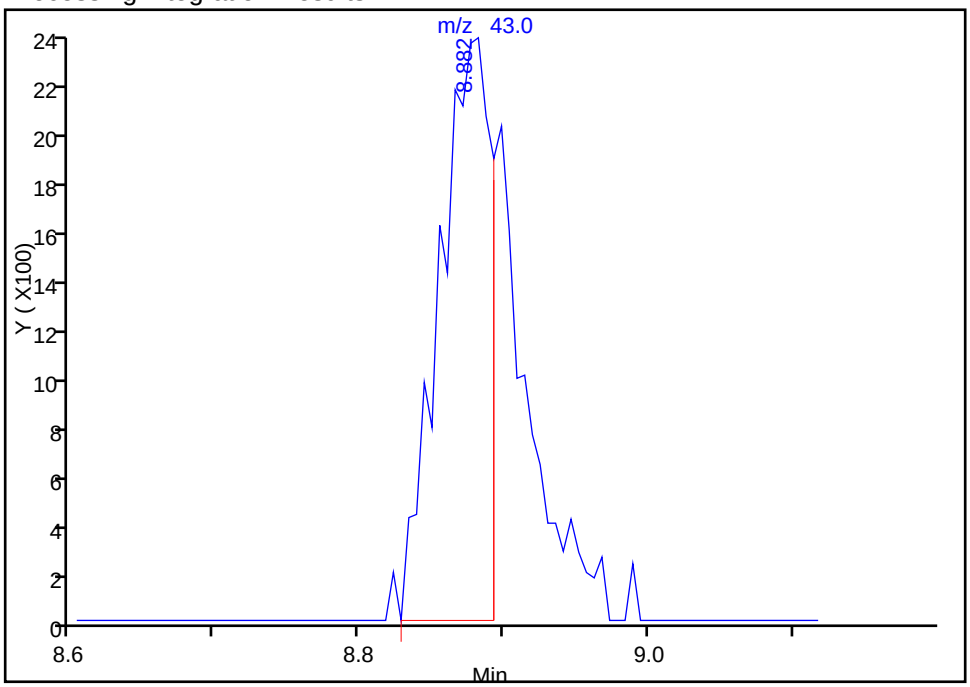
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\20736-4.d				
Injection Date:	04-Feb-2014 05:55:30	Instrument ID:	CHW.i		
Lims ID:	200-20736-A-4	Lab Sample ID:	200-20736-4		
Client ID:	4275				
Operator ID:	PAD	ALS Bottle#:	20	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

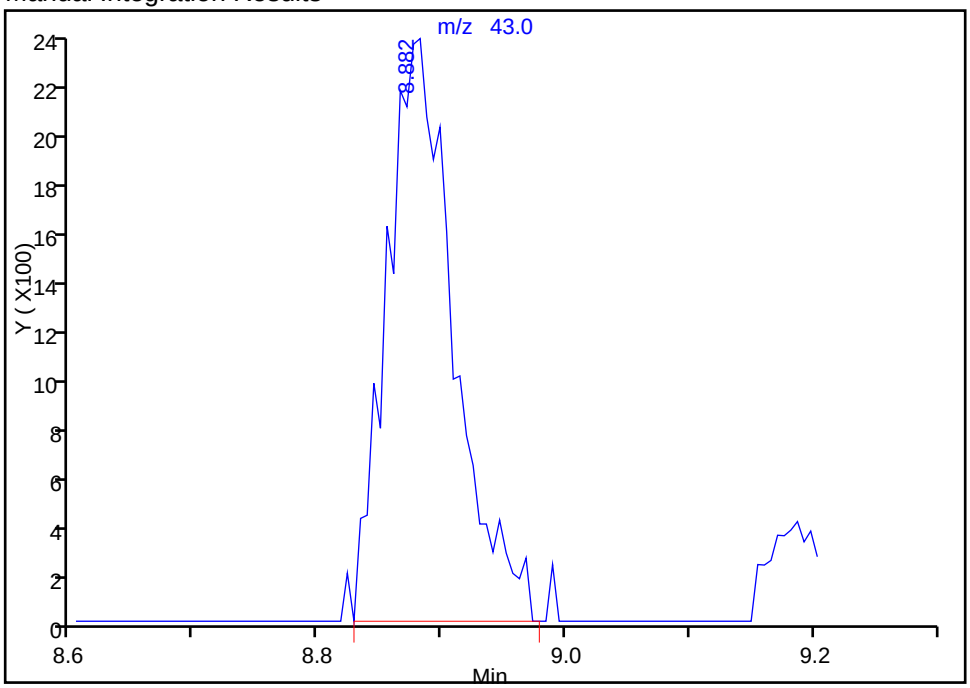
Processing Integration Results

RT: 8.88
Response: 5982
Amount: 0.147385



Manual Integration Results

RT: 8.88
Response: 9004
Amount: 0.221842



Reviewer: lyonsb, 04-Feb-2014 12:32:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

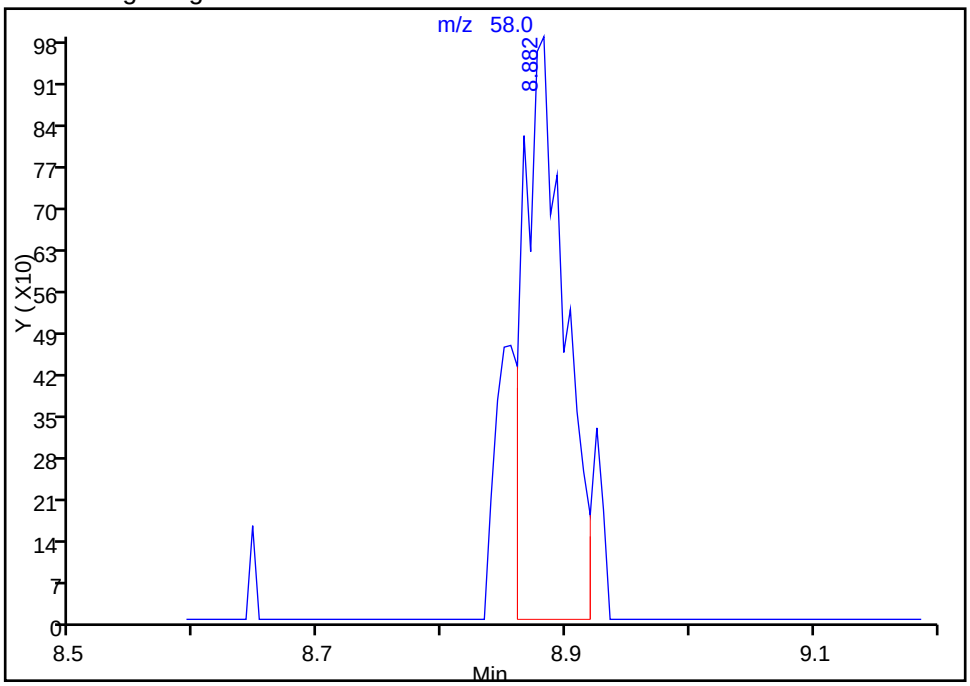
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\20736-4.d				
Injection Date:	04-Feb-2014 05:55:30	Instrument ID:	CHW.i		
Lims ID:	200-20736-A-4	Lab Sample ID:	200-20736-4		
Client ID:	4275				
Operator ID:	PAD	ALS Bottle#:	20	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

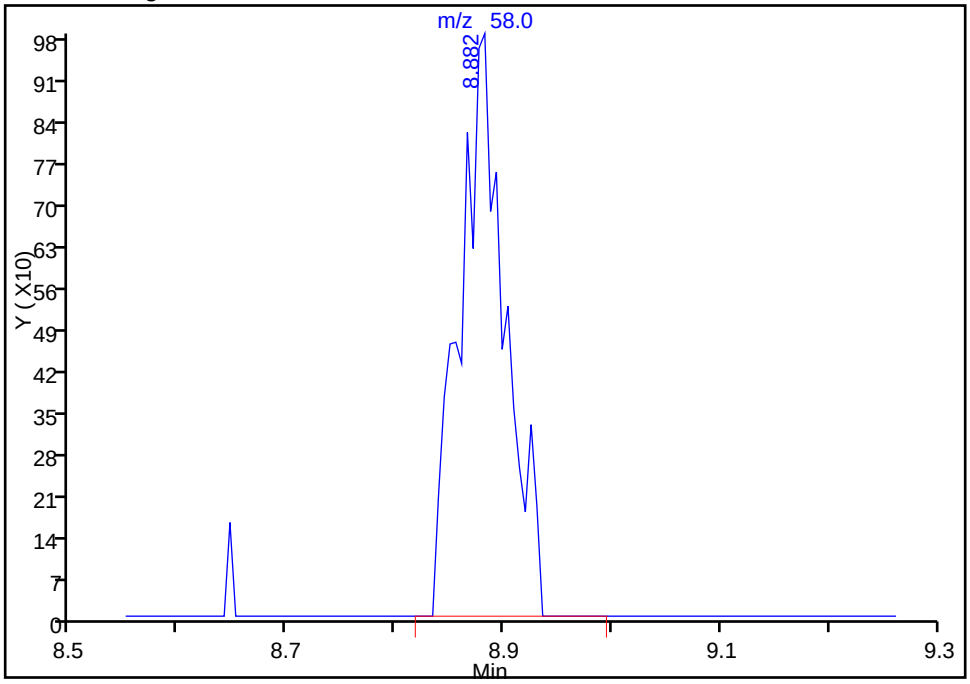
Processing Integration Results

RT: 8.88
Response: 2256
Amount: 0.147385



Manual Integration Results

RT: 8.88
Response: 2902
Amount: 0.221842



Reviewer: lyonsb, 04-Feb-2014 12:32:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Client Sample ID: 4803 Lab Sample ID: 200-20748-2

Matrix: Air Lab File ID: 20748-2.d

Analysis Method: TO-15 Date Collected: 02/01/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/04/2014 07:03

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67900 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Client Sample ID: 4803 Lab Sample ID: 200-20748-2

Matrix: Air Lab File ID: 20748-2.d

Analysis Method: TO-15 Date Collected: 02/01/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/04/2014 07:03

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67900 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Client Sample ID: 4803 Lab Sample ID: 200-20748-2

Matrix: Air Lab File ID: 20748-2.d

Analysis Method: TO-15 Date Collected: 02/01/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/04/2014 07:03

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67900 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Report Date: 04-Feb-2014 14:11:52 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\20748-2.d
Lims ID: 200-20748-A-2 Lab Sample ID: 200-20748-2
Client ID: 4803
Sample Type: Client
Inject. Date: 04-Feb-2014 07:03:30 ALS Bottle#: 21 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0005954-023
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 04-Feb-2014 14:11:35 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: lyonsb Date: 04-Feb-2014 12:34:30

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	1 Propene	41		4.383					
	6 Dichlorodifluoromethane	85		4.474					
	7 Chlorodifluoromethane	51		4.538					
	8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
	9 Chloromethane	50		5.020					
	10 Butane	43		5.282					
	11 Vinyl chloride	62		5.341					
	12 Butadiene	54		5.437					
	13 Bromomethane	94		6.309					
	14 Chloroethane	64		6.593					
	16 Vinyl bromide	106		7.069					
	17 Trichlorofluoromethane	101		7.186					
	19 Ethanol	45		7.796					
	22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.438					
	23 1,1-Dichloroethene	96		8.508					
	24 Acetone	43	8.765	8.743	0.022	61	8740	0.2455	M
	26 Carbon disulfide	76		9.000					
	27 Isopropyl alcohol	45		9.027					
	28 3-Chloro-1-propene	41		9.401					
	30 Methylene Chloride	49		9.733					
	31 2-Methyl-2-propanol	59		9.899					
S	38 1,2-Dichloroethene, Total	61		10.000					
	32 Methyl tert-butyl ether	73		10.161					
	33 trans-1,2-Dichloroethene	61		10.230					
	35 Hexane	57		10.648					
	36 1,1-Dichloroethane	63		11.193					
	37 Vinyl acetate	43		11.236					
	39 cis-1,2-Dichloroethene	96		12.376					
	40 2-Butanone (MEK)	72		12.386					
	41 Ethyl acetate	88		12.413					
	43 Tetrahydrofuran	42		12.846					
*	42 Chlorobromomethane	128	12.852	12.857	-0.005	69	255442	10.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	44 Chloroform	83		12.964					
	45 Cyclohexane	84		13.258					
	46 1,1,1-Trichloroethane	97		13.280					
	48 Carbon tetrachloride	117		13.536					
	49 Isooctane	57		13.927					
	50 Benzene	78		13.986					
	51 1,2-Dichloroethane	62		14.146					
	52 n-Heptane	43		14.275					
*	53 1,4-Difluorobenzene	114	14.740	14.746	-0.006	92	1261394	10.0	
	55 Trichloroethene	95		15.211					
S	63 Xylenes, Total	106		15.600					
	56 1,2-Dichloropropane	63		15.730					
	57 Methyl methacrylate	69		15.815					
	58 1,4-Dioxane	88		15.906					
	59 Dibromomethane	174		15.976					
	60 Dichlorobromomethane	83		16.222					
	64 cis-1,3-Dichloropropene	75		17.089					
	65 4-Methyl-2-pentanone (MIBK)	43		17.319					
	66 Toluene	92		17.661					
	68 trans-1,3-Dichloropropene	75		18.191					
	69 1,1,2-Trichloroethane	83		18.560					
	70 Tetrachloroethene	166		18.699					
	71 2-Hexanone	43		18.950					
	72 Chlorodibromomethane	129		19.314					
	73 Ethylene Dibromide	107		19.603					
*	75 Chlorobenzene-d5	117	20.443	20.443	0.0	84	1073638	10.0	
	76 Chlorobenzene	112		20.502					
	77 Ethylbenzene	91		20.614					
	79 m-Xylene & p-Xylene	106		20.833					
	80 o-Xylene	106		21.550					
	81 Styrene	104		21.588					
	82 Bromoform	173		21.962					
	83 Isopropylbenzene	105		22.112					
*	107 4-Bromofluorobenzene	95	22.454	22.444	0.010	0	725759	10.0	
	85 1,1,2,2-Tetrachloroethane	83		22.668					
	86 N-Propylbenzene	91		22.743					
	84 4-Ethyltoluene	105		22.909					
	89 2-Chlorotoluene	91		22.947					
	90 1,3,5-Trimethylbenzene	105		23.005					
	92 tert-Butylbenzene	119		23.482					
	93 1,2,4-Trimethylbenzene	105		23.573					
	94 sec-Butylbenzene	105		23.813					
	95 4-Isopropyltoluene	119		24.017					
	96 1,3-Dichlorobenzene	146		24.081					
	97 1,4-Dichlorobenzene	146		24.225					
	98 Benzyl chloride	91		24.434					
	100 n-Butylbenzene	91		24.653					
	101 1,2-Dichlorobenzene	146		24.835					
	103 1,2,4-Trichlorobenzene	180		27.729					
	104 Hexachlorobutadiene	225		27.933					
	105 Naphthalene	128		28.318					
	110 BFB								

QC Flag Legend

Review Flags
M - Manually Integrated

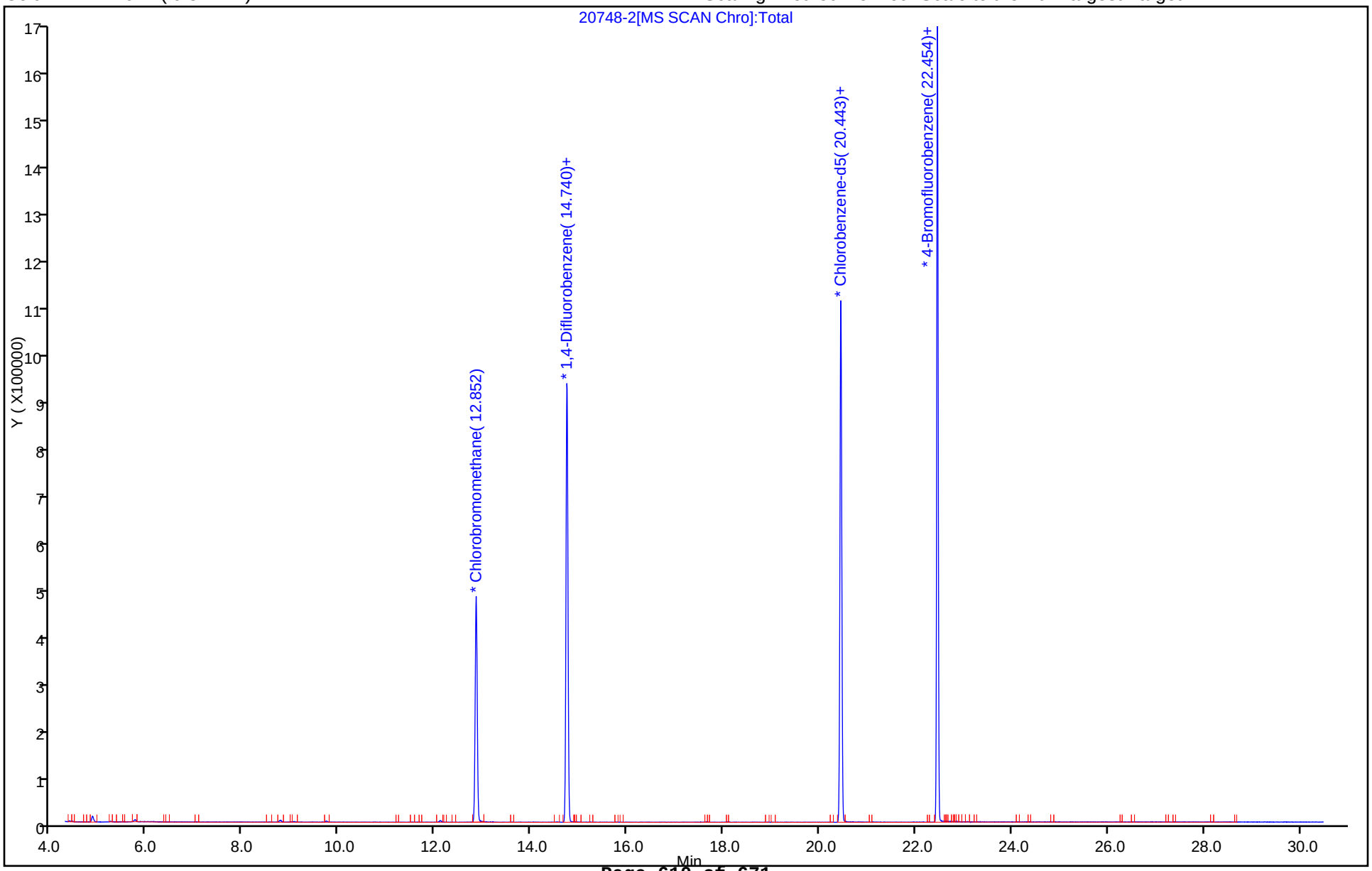
Report Date: 04-Feb-2014 14:11:52 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\20748-2.d

Injection Date:	04-Feb-2014 07:03:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	200-20748-A-2	Lab Sample ID:	200-20748-2	Worklist Smp#:	23
Client ID:	4803				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	21
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

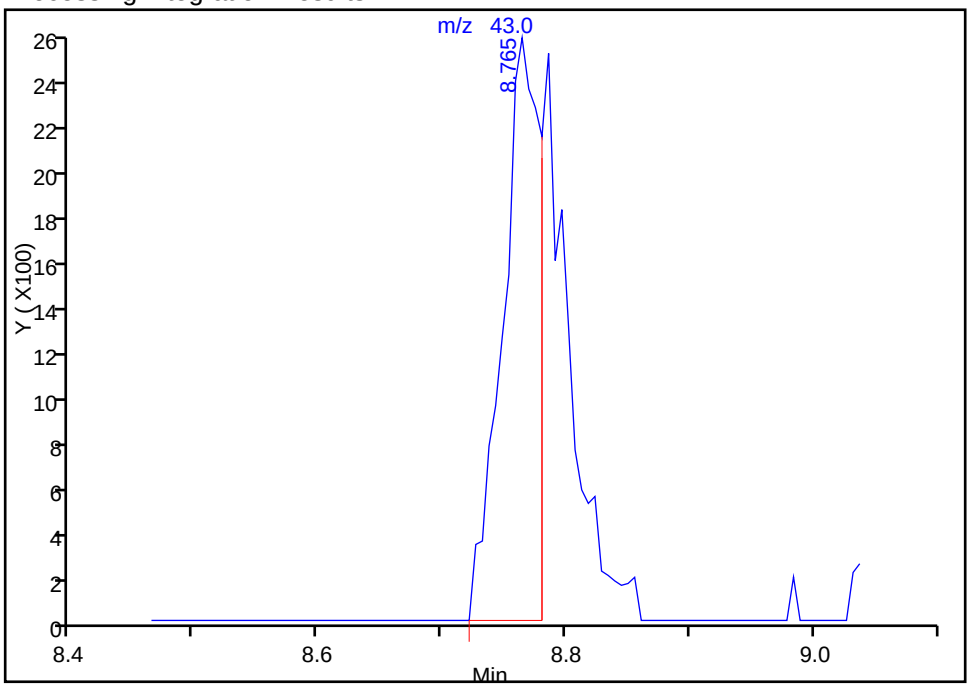
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\20748-2.d				
Injection Date:	04-Feb-2014 07:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20748-A-2	Lab Sample ID:	200-20748-2		
Client ID:	4803				
Operator ID:	PAD	ALS Bottle#:	21	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

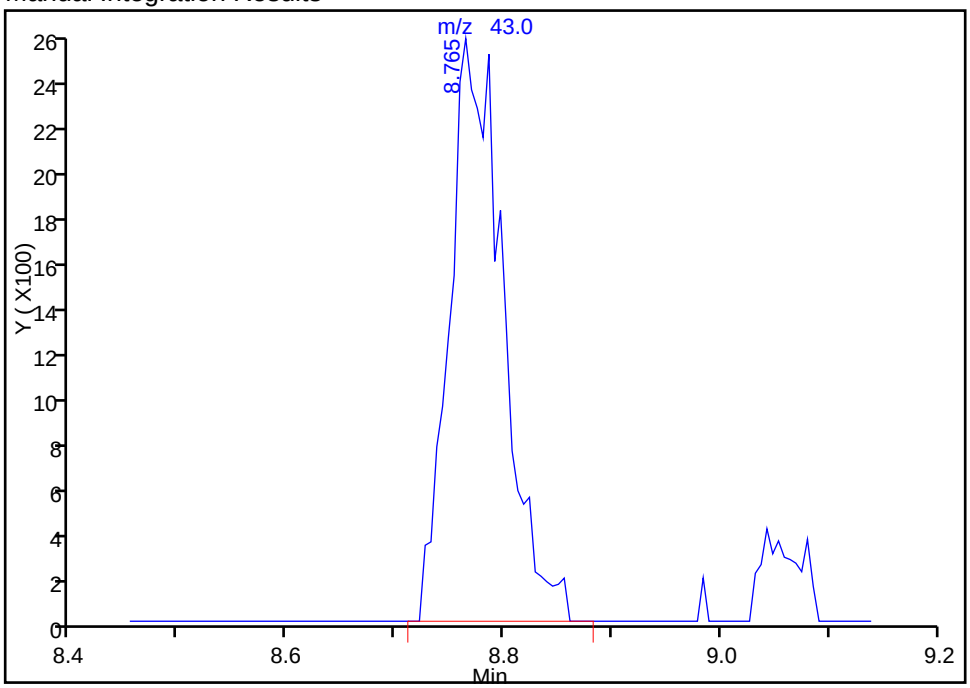
Processing Integration Results

RT: 8.76
Response: 5349
Amount: 0.150234



Manual Integration Results

RT: 8.76
Response: 8740
Amount: 0.245476



Reviewer: lyonsb, 04-Feb-2014 12:34:30
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

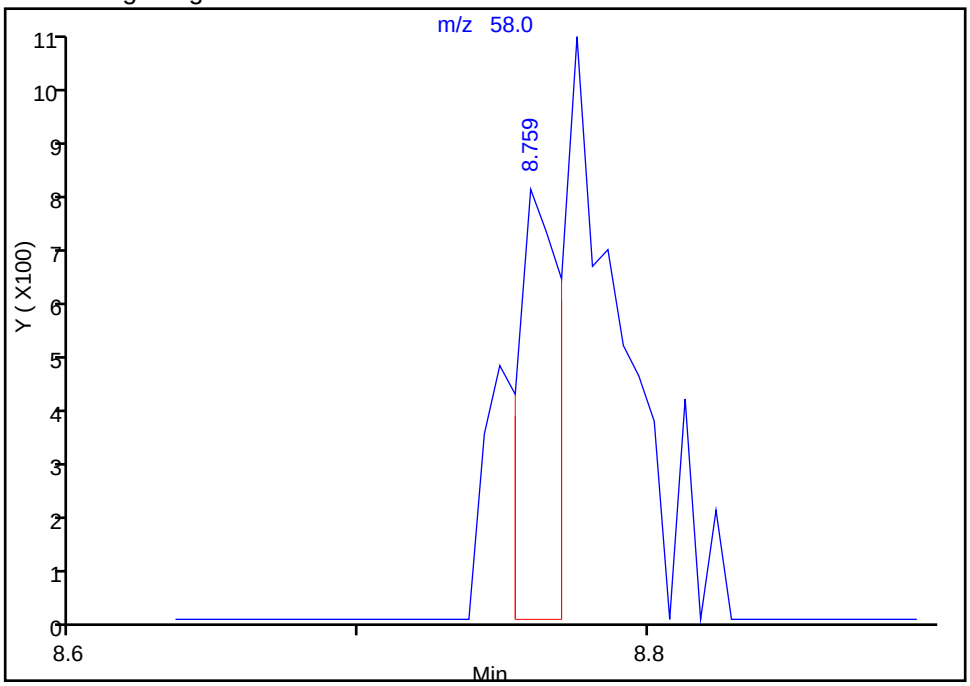
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140203-5954.b\20748-2.d				
Injection Date:	04-Feb-2014 07:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20748-A-2	Lab Sample ID:	200-20748-2		
Client ID:	4803				
Operator ID:	PAD	ALS Bottle#:	21	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

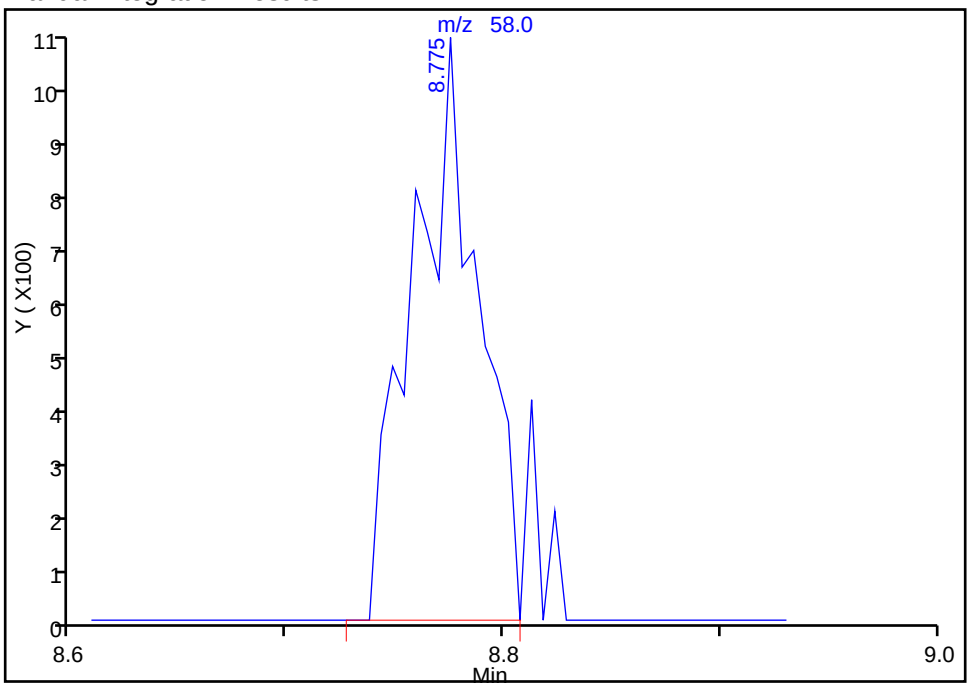
Processing Integration Results

RT: 8.76
Response: 774
Amount: 0.150234



Manual Integration Results

RT: 8.78
Response: 2149
Amount: 0.245476



Reviewer: lyonsb, 04-Feb-2014 12:34:30
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20525-1 Analy Batch No.: 67034

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/10/2014 10:43 Calibration End Date: 01/10/2014 19:18 Calibration ID: 25089

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-67034/3	gin03.D
Level 2	IC 200-67034/4	gin04.D
Level 3	IC 200-67034/14	gin14.D
Level 4	IC 200-67034/6	gin06.D
Level 5	ICIS 200-67034/7	gin07.D
Level 6	IC 200-67034/8	gin08.D
Level 7	IC 200-67034/9	gin09.D
Level 8	IC 200-67034/10	gin10.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.2885	+++++ 0.2962	0.4143 0.2688	0.2905	0.3217	Ave		0.3133				17.0		30.0			
Dichlorodifluoromethane	+++++ 2.2903	+++++ 2.3163	2.7961 2.0808	2.2767	2.5218	Ave		2.3803				10.0		30.0			
Freon 22	+++++ 0.8713	+++++ 0.8843	1.1072 0.7972	0.8758	0.9577	Ave		0.9156				12.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.1334	2.0247 2.1523	2.7117 1.9178	2.1578	2.3503	Ave		2.2069				12.0		30.0			
Chloromethane	+++++ 0.4275	+++++ 0.4384	0.5706 0.4036	0.4297	0.4713	Ave		0.4568				13.0		30.0			
n-Butane	+++++ 0.5954	+++++ 0.6054	0.7704 0.5463	0.5939	0.6545	Ave		0.6277				12.0		30.0			
Vinyl chloride	0.4860 0.5543	0.4979 0.5755	0.6587 0.5259	0.5489	0.6113	Ave		0.5573				10.0		30.0			
1,3-Butadiene	+++++ 0.3435	0.3174 0.3536	0.4095 0.3217	0.3441	0.3753	Ave		0.3522				9.1		30.0			
Bromomethane	+++++ 0.7934	0.7358 0.8224	0.9583 0.7492	0.7827	0.8712	Ave		0.8161				9.5		30.0			
Chloroethane	+++++ 0.2233	+++++ 0.2331	0.2751 0.2176	0.2192	0.2452	Ave		0.2356				9.3		30.0			
Isopentane	+++++ 0.4006	0.4936 0.4129	0.5592 0.3782	0.4023	0.4480	Ave		0.4421				14.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.8989	0.8274 0.9350	1.0932 0.8577	0.8848	0.9826	Ave		0.9256				9.7		30.0			
Trichlorofluoromethane	+++++ 2.5626	2.4053 2.6118	3.0797 2.3831	2.5551	2.8048	Ave		2.6289				9.2		30.0			
n-Pentane	+++++ 0.6787	+++++ 0.6945	0.8426 0.6324	0.6829	0.7476	Ave		0.7131				10.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20525-1 Analy Batch No.: 67034

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/10/2014 10:43 Calibration End Date: 01/10/2014 19:18 Calibration ID: 25089

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.1771	+++++ 0.1717	0.1472 0.1473	0.1474	0.1718	Ave		0.1604				9.0		30.0			
Ethyl ether	+++++ 0.3343	0.2810 0.3409	0.4028 0.3170	0.3279	0.3619	Ave		0.3380				11.0		30.0			
Acrolein	+++++ 0.1711	+++++ 0.1701	+++++ 0.1624	0.1669	0.1947	Ave		0.1730				7.3		30.0			
Freon TF	+++++ 1.6187	1.5867 1.6439	2.0240 1.4929	1.6259	1.7712	Ave		1.6805				10.0		30.0			
1,1-Dichloroethene	+++++ 0.6667	0.7230 0.6859	0.8906 0.6228	0.6679	0.7365	Ave		0.7133				12.0		30.0			
Acetone	+++++ 0.6282	+++++ 0.6523	+++++ 0.5886	0.6837	0.7004	Ave		0.6507				6.8		30.0			
Carbon disulfide	+++++ 1.8982	+++++ 1.9475	3.8944 1.8062	1.8767	2.0802	Ave		2.2505				36.0	*	30.0			
Isopropyl alcohol	+++++ 0.5127	+++++ 0.4912	+++++ 0.4419	0.5192	0.5232	Ave		0.4977				6.7		30.0			
3-Chloropropene	+++++ 0.4731	0.4692 0.4854	0.5669 0.4535	0.4614	0.5162	Ave		0.4894				8.1		30.0			
Acetonitrile	+++++ 0.2703	+++++ 0.2736	+++++ 0.2557	0.2821	0.2929	Ave		0.2749				5.0		30.0			
Methylene Chloride	+++++ 0.5288	+++++ 0.5376	0.7149 0.4993	0.5407	0.5849	Ave		0.5677				14.0		30.0			
tert-Butyl alcohol	+++++ 0.9420	+++++ 0.9117	+++++ 0.8231	0.9228	0.9729	Ave		0.9145				6.1		30.0			
Methyl tert-butyl ether	+++++ 1.6933	1.6045 1.7341	1.9804 1.5971	1.6664	1.8400	Ave		1.7308				8.0		30.0			
trans-1,2-Dichloroethene	+++++ 0.8223	0.8229 0.8389	1.0243 0.7617	0.8437	0.9106	Ave		0.8606				9.8		30.0			
Acrylonitrile	+++++ 0.3104	+++++ 0.3182	0.3559 0.3006	0.3038	0.3357	Ave		0.3208				6.6		30.0			
n-Hexane	+++++ 0.6809	0.6605 0.6924	0.8024 0.6387	0.6792	0.7389	Ave		0.6990				7.9		30.0			
1,1-Dichloroethane	1.0326 1.1113	1.0317 1.1440	1.3420 1.0583	1.0978	1.2296	Ave		1.1309				9.5		30.0			
Vinyl acetate	+++++ 1.1549	+++++ 1.1926	+++++ 1.1093	1.1128	1.2617	Ave		1.1663				5.4		30.0			
cis-1,2-Dichloroethene	+++++ 0.9343	0.9404 0.9634	1.1914 0.8866	0.9338	1.0237	Ave		0.9820				10.0		30.0			
Methyl Ethyl Ketone	+++++ 0.3181	+++++ 0.3276	0.6724 0.3014	0.3269	0.3450	Ave		0.3819				37.0	*	30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20525-1 Analy Batch No.: 67034

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/10/2014 10:43 Calibration End Date: 01/10/2014 19:18 Calibration ID: 25089

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0534	+++++ 0.0554	+++++ 0.0514	0.0562	0.0598	Ave		0.0552				5.7		30.0			
Tetrahydrofuran	+++++ 0.0968	+++++ 0.0990	+++++ 0.0920	0.0972	0.1043	Ave		0.0979				4.6		30.0			
Chloroform	+++++ 2.1323	2.0885 2.1680	2.5968 1.9873	2.1580	2.3534	Ave		2.2121				9.1		30.0			
Cyclohexane	+++++ 0.1862	0.1961 0.1896	0.2444 0.1701	0.1938	0.2064	Ave		0.1981				12.0		30.0			
1,1,1-Trichloroethane	+++++ 0.4390	0.4096 0.4483	0.5339 0.4116	0.4430	0.4841	Ave		0.4528				9.6		30.0			
Carbon tetrachloride	0.5306 0.5635	0.4912 0.5797	0.6496 0.5394	0.5536	0.6151	Ave		0.5653				8.8		30.0			
Benzene	+++++ 0.4827	0.5174 0.4857	0.6523 0.4308	0.5110	0.5431	Ave		0.5176				13.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.6012	0.6090 0.6061	0.7865 0.5322	0.6348	0.6722	Ave		0.6346				12.0		30.0			
1,2-Dichloroethane	+++++ 0.2512	0.2396 0.2566	0.3006 0.2404	0.2513	0.2731	Ave		0.2590				8.3		30.0			
n-Heptane	+++++ 0.2194	0.2769 0.2220	0.2902 0.1974	0.2254	0.2437	Ave		0.2393				14.0		30.0			
n-Butanol	+++++ 0.0934	+++++ 0.0887	+++++ 0.0819	0.0919	0.0923	Ave		0.0896				5.2		30.0			
Trichloroethene	0.3373 0.3433	0.3399 0.3499	0.4200 0.3153	0.3489	0.3808	Ave		0.3544				9.0		30.0			
1,2-Dichloropropane	+++++ 0.2388	0.2164 0.2425	0.2934 0.2192	0.2413	0.2625	Ave		0.2449				11.0		30.0			
Methyl methacrylate	+++++ 0.2241	+++++ 0.2284	0.2414 0.2059	0.2195	0.2448	Ave		0.2273				6.3		30.0			
1,4-Dioxane	+++++ 0.1128	+++++ 0.1035	+++++ 0.0841	0.1219	0.1144	Ave		0.1073				14.0		30.0			
Dibromomethane	+++++ 0.4166	0.3611 0.4299	0.4666 0.4002	0.3929	0.4489	Ave		0.4166				8.6		30.0			
Bromodichloromethane	+++++ 0.5962	0.5063 0.6128	0.6587 0.5645	0.5765	0.6493	Ave		0.5949				8.8		30.0			
cis-1,3-Dichloropropene	+++++ 0.4144	0.3526 0.4255	0.4579 0.3941	0.4026	0.4518	Ave		0.4141				8.7		30.0			
methyl isobutyl ketone	+++++ 0.3882	+++++ 0.3919	0.4554 0.3524	0.3893	0.4193	Ave		0.3994				8.7		30.0			
Toluene	+++++ 0.5539	0.5629 0.5624	0.7955 0.5051	0.5669	0.6236	Ave		0.5958				16.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20525-1 Analy Batch No.: 67034

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/10/2014 10:43 Calibration End Date: 01/10/2014 19:18 Calibration ID: 25089

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.3903	0.4230 0.3907	0.4891 0.3381	0.4120	0.4364	Ave		0.4114				11.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.4250	0.3217 0.4388	0.4372 0.4095	0.3972	0.4579	Ave		0.4125				11.0		30.0			
1,1,2-Trichloroethane	+++++ 0.2792	0.2654 0.2809	0.3508 0.2497	0.2877	0.3108	Ave		0.2892				11.0		30.0			
Tetrachloroethene	0.6496 0.6074	0.6033 0.6217	0.7048 0.5624	0.5909	0.6607	Ave		0.6251				7.2		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3600	+++++ 0.3637	0.4717 0.3289	0.3630	0.3839	Ave		0.3785				13.0		30.0			
Dibromochloromethane	+++++ 0.7616	0.5762 0.7782	0.7641 0.7189	0.7282	0.8252	Ave		0.7361				11.0		30.0			
1,2-Dibromoethane	+++++ 0.5940	0.5035 0.6053	0.6584 0.5543	0.5815	0.6436	Ave		0.5915				8.9		30.0			
Chlorobenzene	+++++ 0.8256	0.7745 0.8410	0.9920 0.7588	0.8276	0.8958	Ave		0.8450				9.3		30.0			
Ethylbenzene	+++++ 1.1654	1.0975 1.1798	1.4348 1.0454	1.1923	1.2786	Ave		1.1991				11.0		30.0			
n-Nonane	+++++ 0.4123	0.4551 0.4113	0.5572 0.3488	0.4459	0.4597	Ave		0.4415				14.0		30.0			
m,p-Xylene	+++++ 0.4804	0.4592 0.4799	0.6069 0.4101	0.5027	0.5302	Ave		0.4956				12.0		30.0			
Xylene, o-	+++++ 0.4956	0.4485 0.4987	0.5924 0.4404	0.5066	0.5419	Ave		0.5034				10.0		30.0			
Styrene	+++++ 0.7359	0.5671 0.7543	0.7318 0.6841	0.7152	0.7867	Ave		0.7107				10.0		30.0			
Bromoform	+++++ 0.7621	0.5074 0.7834	0.6725 0.7189	0.6986	0.8130	Ave		0.7080				14.0		30.0			
Cumene	+++++ 1.3535	1.2731 1.3655	1.6650 1.1858	1.3962	1.4921	Ave		1.3902				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6891	0.6453 0.6782	0.8308 0.5732	0.7222	0.7615	Ave		0.7000				12.0		30.0			
1,2,3-Trichloropropane	+++++ 0.4443	+++++ 0.4318	0.5656 0.3506	0.4892	0.5023	Ave		0.4640				16.0		30.0			
n-Propylbenzene	+++++ 1.4082	1.2975 1.3771	1.7735 1.1139	1.5188	1.5746	Ave		1.4377				15.0		30.0			
4-Ethyltoluene	+++++ 1.1542	1.0865 1.1142	1.4896 0.9166	1.2940	1.3071	Ave		1.1946				16.0		30.0			
2-Chlorotoluene	+++++ 0.9007	0.9417 0.8584	1.2731 0.6968	1.0366	1.0312	Ave		0.9626				19.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20525-1 Analy Batch No.: 67034

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/10/2014 10:43 Calibration End Date: 01/10/2014 19:18 Calibration ID: 25089

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Decane	+++++ 0.3985	+++++ 0.3676	0.6442 0.2801	0.4969	0.4669	Ave		0.4424				28.0		30.0			
1,3,5-Trimethylbenzene	+++++ 1.1471	0.9805 1.1514	1.3480 0.9915	1.1601	1.2543	Ave		1.1475				11.0		30.0			
Alpha Methyl Styrene	+++++ 0.6149	0.4088 0.6312	0.5254 0.5672	0.5768	0.6399	Ave		0.5663				14.0		30.0			
tert-Butylbenzene	+++++ 1.1409	1.0597 1.1412	1.4376 0.9807	1.1692	1.2580	Ave		1.1696				13.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.1309	0.9485 1.1313	1.2846 0.9759	1.1276	1.2044	Ave		1.1147				11.0		30.0			
sec-Butylbenzene	+++++ 1.6159	1.4975 1.5968	1.9969 1.2724	1.6828	1.7873	Ave		1.6357				14.0		30.0			
4-Isopropyltoluene	+++++ 1.3563	1.2573 1.3223	1.6414 1.0829	1.4077	1.4938	Ave		1.3659				13.0		30.0			
1,3-Dichlorobenzene	+++++ 0.7984	0.5700 0.7949	0.7309 0.7046	0.7489	0.8182	Ave		0.7380				11.0		30.0			
1,4-Dichlorobenzene	+++++ 0.7966	0.4738 0.8234	0.6363 0.7674	0.6783	0.7852	Ave		0.7087				17.0		30.0			
Benzyl chloride	+++++ 0.7923	0.4179 0.8226	0.5216 0.7983	0.6656	0.7829	Ave		0.6859				23.0		30.0			
n-Butylbenzene	+++++ 1.1239	0.8807 1.1051	1.1863 0.9305	1.0961	1.1798	Ave		1.0718				11.0		30.0			
n-Undecane	+++++ 0.5294	+++++ 0.5089	+++++ 0.4112	0.5567	0.5574	Ave		0.5127				12.0		30.0			
1,2-Dichlorobenzene	+++++ 0.8233	0.5658 0.8402	0.7711 0.7767	0.7353	0.8305	Ave		0.7633				12.0		30.0			
n-Dodecane	+++++ 0.1156	+++++ 0.1192	+++++ 0.0872	0.1302	0.0667	Ave		0.1038				25.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.4608	+++++ 0.4508	0.2709 0.4687	0.2839	0.3981	Ave		0.3889				23.0		30.0			
Hexachlorobutadiene	+++++ 0.4750	0.3463 0.4532	0.3677 0.3794	0.4651	0.4292	Ave		0.4166				12.0		30.0			
Naphthalene	+++++ 1.0110	+++++ 0.8559	0.6497 0.9687	0.5011	0.8605	Ave		0.8078				24.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.4457	0.1307 0.4176	0.2012 0.3841	0.2802	0.3720	Ave		0.3188				37.0	*	30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20525-1 Analy Batch No.: 67034

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/10/2014 10:43 Calibration End Date: 01/10/2014 19:18 Calibration ID: 25089

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-67034/3	gin03.D
Level 2	IC 200-67034/4	gin04.D
Level 3	IC 200-67034/14	gin14.D
Level 4	IC 200-67034/6	gin06.D
Level 5	ICIS 200-67034/7	gin07.D
Level 6	IC 200-67034/8	gin08.D
Level 7	IC 200-67034/9	gin09.D
Level 8	IC 200-67034/10	gin10.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 276593	+++++ 384158	13940 731182	90483	199450	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2195626	+++++ 3004093	94090 5661190	709145	1563366	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 835264	+++++ 1146846	37258 2168833	272796	593690	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2045228	24709 2791360	91251 5217607	672102	1457006	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 409808	+++++ 568541	19200 1097989	133832	292192	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 570773	+++++ 785133	25926 1486253	184991	405770	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1178 531347	6076 746391	22167 1430682	170972	378934	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 329343	3873 458552	13781 875213	107191	232631	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 760595	8980 1066622	32248 2038229	243793	540061	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 214067	+++++ 302253	9257 591905	68292	152009	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 384052	6024 535529	18819 1028988	125323	277725	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 861767	10097 1212587	36787 2333529	275591	609121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2456618	29354 3387353	103632 6483575	795866	1738755	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 650652	+++++ 900784	28355 1720637	212701	463437	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 226912	+++++ 445484	49593 1001906	91896	159781	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20525-1 Analy Batch No.: 67034

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/10/2014 10:43 Calibration End Date: 01/10/2014 19:18 Calibration ID: 25089

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 320460	3429 442149	13556 862384	102132	224323	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 164032	+++++ 220589	+++++ 441870	51989	120690	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1551778	19364 2132077	68107 4061651	506429	1098048	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 639179	8823 889550	29970 1694479	208027	456572	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 602243	+++++ 846008	+++++ 1601346	212960	434225	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1819718	+++++ 2525720	131047 4914071	584559	1289605	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 491546	+++++ 637034	+++++ 1202240	161732	324348	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 453535	5726 629536	19078 1233877	143713	319981	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 259094	+++++ 354903	+++++ 695544	87871	181553	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 506940	+++++ 697259	24057 1358492	168419	362626	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 903077	+++++ 1182442	+++++ 2239436	287449	603128	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1623286	19581 2248974	66642 4345213	519041	1140675	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 788304	10042 1088055	34467 2072213	262785	564517	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 297532	+++++ 412664	11975 817695	94628	208134	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 652763	8061 897965	27002 1737554	211572	458058	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	2503 1065386	12590 1483722	45160 2879176	341944	762265	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1107143	+++++ 1546741	+++++ 3018085	346620	782152	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 895702	11476 1249506	40092 2412257	290863	634641	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 304964	+++++ 424870	22628 819907	101811	213906	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 51154	+++++ 71796	+++++ 139840	17497	37058	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 539773	+++++ 745399	+++++ 1434369	174968	377188	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20525-1 Analy Batch No.: 67034

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/10/2014 10:43 Calibration End Date: 01/10/2014 19:18 Calibration ID: 25089

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2044157	25488 2811755	87385 5406635	672183	1458975	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1037846	14030 1428309	47556 2653433	348926	745959	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2447358	29299 3376902	103905 6419215	797732	1749976	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	7576 3141579	35131 4366063	126415 8413316	996807	2223424	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 2690869	37006 3658371	126945 6720087	920091	1963159	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3351300	43561 4565295	153055 8301398	1142995	2429785	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1400253	17141 1933052	58494 3748859	452447	987222	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 1222880	19808 1671974	56474 3078728	405868	880936	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 520569	+++++ 667760	+++++ 1277915	165473	333649	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	4816 1913766	24312 2635168	81730 4918277	628227	1376349	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1331185	15475 1826239	57097 3419292	434550	948820	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1249049	+++++ 1720467	46969 3211065	395193	884796	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 628730	+++++ 779215	+++++ 1311116	219405	413638	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 2322572	25831 3237819	90802 6242157	707403	1622770	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 3323723	36214 4615338	128195 8804620	1038095	2347141	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2309932	25217 3204900	89102 6146669	724869	1633251	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2164178	+++++ 2951959	88633 5495789	700949	1515701	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 3174635	38834 4383637	151026 8158944	1021499	2300682	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 2175883	30259 2942449	95183 5274126	741814	1577489	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2369110	23011 3304905	85078 6387618	715280	1655222	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1599823	18309 2189251	66596 4032646	518439	1146737	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20525-1 Analy Batch No.: 67034

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/10/2014 10:43 Calibration End Date: 01/10/2014 19:18 Calibration ID: 25089

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	9025 3480810	41625 4845556	133799 9085196	1064778	2437560	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2063268	+++++ 2834374	89555 5312564	654182	1416408	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 4364560	39756 6065209	145069 11611698	1312240	3044271	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 3404354	34738 4717665	124997 8953032	1047919	2374268	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 4731538	53437 6554681	188331 12257561	1491244	3304577	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 6678789	75719 9195352	272405 16886114	2148452	4717159	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 2363093	31400 3205379	105786 5634534	803422	1695825	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 5505904	63361 7481282	230451 13248131	1811853	3911856	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 2840344	30940 3886957	112463 7113497	912955	1999324	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 4217167	39123 5878964	138938 11051013	1288859	2902089	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 4367382	35005 6105610	127675 11612782	1258953	2999420	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 7757084	87833 10642401	316107 19154763	2516012	5504620	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3949491	44518 5286095	157734 9258950	1301358	2809160	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2546125	+++++ 3365101	107379 5662757	881505	1853130	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 8070167	89520 10732695	336703 17993116	2736787	5809079	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 6614825	74958 8683909	282794 14806306	2331766	4822081	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 5162130	64968 6690518	241691 11254953	1867858	3804278	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 2284059	+++++ 2864827	122310 4523883	895453	1722321	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 6573985	67647 8973657	255910 16016282	2090465	4627158	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 3524156	28205 4919433	99748 9162142	1039472	2360814	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6538755	73113 8894084	272933 15842054	2106904	4640857	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20525-1 Analy Batch No.: 67034

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/10/2014 10:43 Calibration End Date: 01/10/2014 19:18 Calibration ID: 25089

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6481167	65442 8817387	243873 15763545	2031849	4443419	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 9260627	103319 12445643	379108 20553963	3032416	6593650	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 7772760	86741 10305727	311628 17491562	2536628	5510905	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 4575583	39324 6195636	138767 11381467	1349474	3018551	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 4565053	32691 6417168	120803 12395920	1222246	2896626	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 4540550	28834 6411251	99017 12894260	1199344	2888188	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6440791	60759 8612728	225226 15029987	1975167	4352489	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 3034152	+++++ 3966001	+++++ 6641714	1003121	2056510	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 4718275	39036 6548101	146393 12546751	1324928	3063971	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 662639	+++++ 928795	+++++ 1408088	234630	245972	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 2640617	+++++ 3513744	51422 7570710	511667	1468506	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 2722098	23895 3531843	69812 6128629	838107	1583217	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 5793770	+++++ 6670983	123339 15647740	903015	3174412	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 2554057	9017 3254732	38191 6203832	504951	1372456	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20736-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5718	+++++ 0.5385	0.6481 0.5237	0.5011	0.5642	Ave		0.5579				9.2		30.0			
Dichlorodifluoromethane	+++++ 4.0127	+++++ 3.7871	4.0771 3.6104	3.5425	4.0272	Ave		3.8428				6.0		30.0			
Freon 22	+++++ 1.5431	+++++ 1.4802	1.5837 1.4422	1.3171	1.5358	Ave		1.4837				6.4		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.7079	3.6219 3.5041	3.8666 3.2874	3.2774	3.7402	Ave		3.5722				6.3		30.0			
Chloromethane	+++++ 0.6827	+++++ 0.6601	0.6793 0.6465	0.5944	0.6753	Ave		0.6564				5.1		30.0			
n-Butane	+++++ 1.1407	+++++ 1.1380	1.1873 1.0558	0.9660	1.1500	Ave		1.1063				7.3		30.0			
Vinyl chloride	0.7183 0.9248	0.8293 0.9388	0.8845 0.8637	0.7757	0.9228	Ave		0.8572				9.1		30.0			
1,3-Butadiene	+++++ 0.5933	0.5458 0.6313	0.3447 0.5801	0.5135	0.6028	Ave		0.5445				18.0		30.0			
Bromomethane	+++++ 0.9929	0.9302 0.9884	1.0175 0.9283	0.8407	0.9729	Ave		0.9530				6.2		30.0			
Chloroethane	+++++ 0.5158	+++++ 0.4856	0.2254 0.4927	0.4648	0.5416	Ave		0.4543				25.0		30.0			
Isopentane	+++++ 0.9224	0.9278 0.8469	0.9465 0.8725	0.8069	0.9413	Ave		0.8949				6.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.4182	1.2679 1.3063	1.2953 1.2964	1.2061	1.3949	Ave		1.3122				5.6		30.0			
Trichlorofluoromethane	+++++ 4.3300	4.0385 4.0915	4.3114 3.9435	3.7548	4.3024	Ave		4.1103				5.3		30.0			
n-Pentane	+++++ 1.4682	+++++ 1.3906	1.4133 1.3331	1.2451	1.4433	Ave		1.3823				5.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20736-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.3296	+++++ 0.2850	0.2815 0.2667	0.2273	0.3103	Ave		0.2834				13.0		30.0			
Ethyl ether	+++++ 0.8142	0.5778 0.7515	0.7218 0.7296	0.6797	0.7748	Ave		0.7213				11.0		30.0			
Acrolein	+++++ 0.3653	+++++ 0.3320	+++++ 0.3209	0.3036	0.3556	Ave		0.3355				7.5		30.0			
Freon TF	+++++ 2.7731	2.6341 2.5978	2.8528 2.4573	2.4543	2.7999	Ave		2.6528				6.1		30.0			
1,1-Dichloroethene	+++++ 1.2963	1.1606 1.2262	1.2538 1.1810	1.1104	1.2811	Ave		1.2156				5.6		30.0			
Acetone	+++++ 1.3839	+++++ 1.3010	+++++ 1.2390	1.2874	1.7579	Ave		1.3938				15.0		30.0			
Carbon disulfide	+++++ 3.3188	+++++ 3.1671	3.2853 3.0449	2.8640	3.3170	Ave		3.1662				5.8		30.0			
Isopropyl alcohol	+++++ 1.0521	+++++ 0.9581	+++++ 0.9067	0.9342	1.0931	Ave		0.9889				8.1		30.0			
3-Chloropropene	+++++ 0.9529	0.7130 0.9184	0.8157 0.9056	0.7955	0.9269	Ave		0.8611				10.0		30.0			
Acetonitrile	+++++ 0.5046	+++++ 0.4757	+++++ 0.4623	0.4254	0.4808	Ave		0.4698				6.2		30.0			
Methylene Chloride	+++++ 0.9162	+++++ 0.8753	0.5943 0.8480	0.8205	0.8977	Ave		0.8253				14.0		30.0			
tert-Butyl alcohol	+++++ 2.0611	+++++ 1.8960	+++++ 1.8468	1.7433	2.0981	Ave		1.9291				7.7		30.0			
Methyl tert-butyl ether	+++++ 3.9933	3.1244 3.7957	1.6582 3.6202	3.2930	3.8456	Ave		3.3329				24.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.6369	1.4955 1.5692	1.5840 1.5196	1.4066	1.6293	Ave		1.5487				5.3		30.0			
Acrylonitrile	+++++ 0.6476	+++++ 0.6167	0.2815 0.6045	0.5419	0.6223	Ave		0.5524				25.0		30.0			
n-Hexane	+++++ 1.5715	1.2940 1.5142	1.5414 1.4327	1.3633	1.5581	Ave		1.4679				7.3		30.0			
1,1-Dichloroethane	1.6827 1.9752	1.8489 1.9098	1.9653 1.8207	1.7438	1.9724	Ave		1.8649				5.9		30.0			
Vinyl acetate	+++++ 2.1238	+++++ 2.0408	+++++ 1.9701	1.7563	2.0402	Ave		1.9863				7.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.4039	1.1574 1.3591	1.3209 1.2567	1.2146	1.4091	Ave		1.3031				7.4		30.0			
Methyl Ethyl Ketone	+++++ 0.5831	+++++ 0.5510	0.6045 0.5032	0.5151	0.5889	Ave		0.5576				7.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20736-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1261	+++++ 0.1201	+++++ 0.1116	0.1120	0.1236	Ave		0.1187				5.6		30.0			
Tetrahydrofuran	+++++ 0.1799	+++++ 0.1727	+++++ 0.1599	0.1542	0.1780	Ave		0.1689				6.7		30.0			
Chloroform	+++++ 2.9887	2.7116 2.8775	2.9070 2.7346	2.5775	2.9457	Ave		2.8204				5.3		30.0			
Cyclohexane	+++++ 0.3677	0.3032 0.3534	0.3443 0.3168	0.3299	0.3691	Ave		0.3406				7.4		30.0			
1,1,1-Trichloroethane	+++++ 0.7235	0.6099 0.7028	0.7024 0.6493	0.6292	0.7194	Ave		0.6766				6.8		30.0			
Carbon tetrachloride	0.6139 0.7908	0.6511 0.7634	0.7337 0.7159	0.6803	0.7799	Ave		0.7161				8.9		30.0			
2,2,4-Trimethylpentane	+++++ 1.0048	0.7733 0.9658	0.9058 0.8720	0.8786	0.9920	Ave		0.9132				8.9		30.0			
Benzene	+++++ 0.7787	0.7042 0.7493	0.7961 0.6858	0.6967	0.7771	Ave		0.7411				6.1		30.0			
1,2-Dichloroethane	+++++ 0.3981	0.3284 0.3848	0.3664 0.3690	0.3391	0.3873	Ave		0.3676				7.0		30.0			
n-Heptane	+++++ 0.3103	0.2608 0.2965	0.2792 0.2704	0.2688	0.3038	Ave		0.2843				6.8		30.0			
n-Butanol	+++++ 0.0991	+++++ 0.0901	+++++ 0.0972	0.0816	0.0982	Ave		0.0932				7.9		30.0			
Trichloroethene	0.3547 0.4107	0.3613 0.3932	0.3894 0.3643	0.3620	0.4070	Ave		0.3803				5.9		30.0			
1,2-Dichloropropane	+++++ 0.2391	0.2000 0.2287	0.2206 0.2118	0.2080	0.2353	Ave		0.2205				6.6		30.0			
Methyl methacrylate	+++++ 0.2758	+++++ 0.2658	0.1902 0.2540	0.2276	0.2684	Ave		0.2470				13.0		30.0			
1,4-Dioxane	+++++ 0.1316	+++++ 0.1144	+++++ 0.1080	0.1186	0.1368	Ave		0.1219				9.8		30.0			
Dibromomethane	+++++ 0.4581	0.3965 0.4326	0.4416 0.3949	0.4105	0.4554	Ave		0.4271				6.2		30.0			
Bromodichloromethane	+++++ 0.6786	0.4998 0.6491	0.5790 0.6097	0.5733	0.6554	Ave		0.6064				10.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4533	0.2725 0.4369	0.3344 0.4179	0.3679	0.4282	Ave		0.3873				17.0		30.0			
methyl isobutyl ketone	+++++ 0.4086	0.2376 0.3849	0.2963 0.3680	0.3381	0.4012	Ave		0.3478				18.0		30.0			
n-Octane	+++++ 0.4003	0.2883 0.3748	0.3708 0.3322	0.3693	0.4039	Ave		0.3628				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20736-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6821	0.6506 0.6332	0.7231 0.5633	0.6455	0.6786	Ave		0.6538				7.6		30.0			
trans-1,3-Dichloropropene	+++++ 0.5024	0.2947 0.4781	0.3569 0.4683	0.4023	0.4751	Ave		0.4254				18.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3259	0.2529 0.3077	0.2995 0.2854	0.2861	0.3176	Ave		0.2964				8.2		30.0			
Tetrachloroethene	0.7920 0.8043	0.7107 0.7517	0.8045 0.6710	0.7319	0.7988	Ave		0.7581				6.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4091	+++++ 0.3938	0.2329 0.3894	0.3214	0.3965	Ave		0.3572				19.0		30.0			
Dibromochloromethane	+++++ 0.8885	0.6111 0.8410	0.7075 0.7812	0.7548	0.8739	Ave		0.7797				13.0		30.0			
1,2-Dibromoethane	+++++ 0.6951	0.5209 0.6601	0.5965 0.6178	0.5896	0.6748	Ave		0.6221				9.6		30.0			
Chlorobenzene	+++++ 1.0500	1.0179 0.9866	1.0602 0.9115	0.9373	1.0422	Ave		1.0008				5.8		30.0			
Ethylbenzene	+++++ 1.6261	1.3137 1.5326	1.5311 1.3970	1.4466	1.6153	Ave		1.4946				7.7		30.0			
n-Nonane	+++++ 0.5378	0.4015 0.5077	0.5064 0.4566	0.4886	0.5421	Ave		0.4915				10.0		30.0			
m,p-Xylene	+++++ 0.6266	0.5340 0.5827	0.6358 0.5275	0.5793	0.6315	Ave		0.5882				7.7		30.0			
Xylene, o-	+++++ 0.6382	0.5077 0.5950	0.5602 0.5416	0.5745	0.6461	Ave		0.5805				8.6		30.0			
Styrene	+++++ 0.9731	0.5870 0.9224	0.7597 0.8530	0.8441	0.9741	Ave		0.8448				16.0		30.0			
Bromoform	+++++ 0.8919	0.5369 0.8411	0.6649 0.7660	0.7618	0.8827	Ave		0.7636				17.0		30.0			
Cumene	+++++ 1.9859	1.5060 1.8594	1.8198 1.6629	1.7871	1.9826	Ave		1.8005				9.5		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8322	0.7302 0.7774	0.7998 0.7020	0.7563	0.8514	Ave		0.7785				6.9		30.0			
n-Propylbenzene	+++++ 2.1980	1.6943 2.0296	2.0196 1.7717	1.9786	2.2451	Ave		1.9910				10.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6496	+++++ 0.6103	0.6600 0.5568	0.5812	0.6618	Ave		0.6200				7.1		30.0			
n-Decane	+++++ 0.7229	+++++ 0.6694	0.6407 0.5839	0.6383	0.7418	Ave		0.6662				8.8		30.0			
4-Ethyltoluene	+++++ 2.0442	1.5885 1.8941	1.9315 1.6601	1.8352	2.0833	Ave		1.8624				9.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20736-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.6750	1.4841 1.5583	1.6449 1.3976	1.4965	1.7026	Ave		1.5656				7.2		30.0			
1,3,5-Trimethylbenzene	+++++ 1.8416	1.5650 1.7093	1.7970 1.5197	1.6518	1.8635	Ave		1.7068				7.9		30.0			
Alpha Methyl Styrene	+++++ 0.9173	0.4362 0.8590	0.5425 0.7883	0.7448	0.9151	Ave		0.7433				25.0		30.0			
tert-Butylbenzene	+++++ 1.7959	1.6256 1.6547	1.8695 1.4614	1.6792	1.8383	Ave		1.7035				8.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.8234	1.3752 1.6847	1.6759 1.5115	1.6080	1.8398	Ave		1.6455				10.0		30.0			
sec-Butylbenzene	+++++ 2.4663	2.1147 2.2642	2.4574 1.9683	2.2991	2.5196	Ave		2.2985				8.8		30.0			
4-Isopropyltoluene	+++++ 2.2346	1.7060 2.0616	2.1023 1.8121	2.0420	2.2735	Ave		2.0332				10.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2482	0.9539 1.1704	1.0523 1.0654	1.0279	1.2481	Ave		1.1095				10.0		30.0			
1,4-Dichlorobenzene	+++++ 1.2249	0.8651 1.1573	0.9451 1.0617	0.9710	1.2075	Ave		1.0618				13.0		30.0			
Benzyl chloride	+++++ 1.1914	0.4315 1.1747	0.4808 1.1702	0.7945	1.0978	Ave		0.9058				37.0	*	30.0			
n-Undecane	+++++ 0.7434	+++++ 0.6743	+++++ 0.5804	0.6006	0.7659	Ave		0.6729				12.0		30.0			
n-Butylbenzene	+++++ 1.6199	1.1640 1.5022	1.4013 1.3354	1.4095	1.6495	Ave		1.4403				12.0		30.0			
1,2-Dichlorobenzene	+++++ 1.2186	0.9727 1.1329	1.0090 1.0366	1.0144	1.2132	Ave		1.0853				9.4		30.0			
n-Dodecane	+++++ 0.5950	+++++ 0.5250	+++++ 0.5037	0.3032	0.5640	Ave		0.4982				23.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7080	+++++ 0.6290	0.3613 0.6751	0.3752	0.6525	Ave		0.5669				28.0		30.0			
Hexachlorobutadiene	+++++ 0.9320	0.8408 0.8418	0.9076 0.7408	0.8045	0.9536	Ave		0.8601				8.8		30.0			
Naphthalene	+++++ 1.4346	+++++ 1.1163	0.5210 1.3723	0.5605	1.3296	Ave		1.0557				39.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.6588	0.4727 0.5675	0.3635 0.6210	0.3656	0.6329	Ave		0.5260				24.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20736-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 213568	+++++ 289638	7945 560656	68655	140010	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 1498852	+++++ 2036941	49981 3865186	485352	999456	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 576407	+++++ 796162	19415 1544006	180454	381162	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1384998	18222 1884732	47401 3519414	449033	928242	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 255025	+++++ 355046	8328 692163	81439	167606	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 426076	+++++ 612083	14555 1130276	132351	285413	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	785 345433	4172 504923	10843 924618	106280	229012	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 221609	2746 339558	4226 621026	70353	149610	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 370868	4680 531610	12473 993761	115181	241442	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 192683	+++++ 261212	2763 527430	63675	134403	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 344527	4668 455537	11603 934027	110550	233611	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 529735	6379 702612	15879 1387891	165241	346182	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1617376	20318 2200642	52854 4221765	514440	1067747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 548423	+++++ 747926	17326 1427199	170593	358200	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 164496	+++++ 306624	34548 713715	62334	115578	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20736-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 304114	2907 404196	8848 781053	93118	192282	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 136437	+++++ 178554	+++++ 343495	41599	88241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1035821	13252 1397265	34973 2630721	336259	694880	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 484212	5839 659534	15370 1264367	152129	317945	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 516939	+++++ 699772	+++++ 1326389	176381	436259	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1239670	+++++ 1703476	40275 3259822	392390	823193	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 392981	+++++ 515348	+++++ 970703	127995	271288	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 355925	3587 493946	10000 969536	108983	230038	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 188475	+++++ 255856	+++++ 494906	58288	119328	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 342226	+++++ 470784	7285 907794	112408	222792	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 769883	+++++ 1019788	+++++ 1977171	238846	520688	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1491587	15719 2041570	20328 3875641	451169	954394	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 611440	7524 844028	19418 1626841	192709	404364	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 241893	+++++ 331675	3451 647138	74241	154438	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 586998	6510 814414	18896 1533795	186775	386694	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1839 737782	9302 1027200	24093 1949133	238918	489508	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 793302	+++++ 1097665	+++++ 2109173	240625	506331	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 524392	5823 731013	16193 1345344	166414	349712	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 217816	+++++ 296370	7410 538711	70567	146155	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 47096	+++++ 64609	+++++ 119476	15342	30677	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 329205	+++++ 451139	+++++ 852155	101249	214828	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20736-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1116352	13642 1547678	35637 2927600	353138	731043	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 673028	7515 923175	20413 1688008	216636	445466	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1324300	15118 1835675	41648 3459556	413102	868137	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	3273 1447512	16139 1993842	43501 3814449	446706	941186	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 1839233	19168 2522729	53707 4646331	576881	1197101	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1425296	17456 1957216	47199 3654247	457446	937791	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 728704	8141 1005157	21725 1966384	222650	467406	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 568000	6465 774565	16555 1440616	176521	366662	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 181355	+++++ 235433	+++++ 517699	53587	118539	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1891 751793	8957 1026975	23087 1941309	237693	491220	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 437616	4958 597332	13080 1128560	136596	284011	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 504843	+++++ 694248	11279 1353223	149417	323850	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 240826	+++++ 298849	+++++ 575243	77888	165035	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 838472	9828 1129943	26185 2104377	269564	549573	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1242171	12388 1695508	34332 3248918	376429	790894	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 829761	6754 1141045	19828 2226486	241583	516718	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 747823	5889 1005345	17569 1960750	222015	484157	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 732734	7146 978872	21985 1769899	242475	487448	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1121753	13704 1485517	37247 2730529	374209	734178	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 919654	7304 1248842	21161 2495427	264182	573361	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 536001	5327 721781	15426 1383319	165867	343630	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20736-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	3547 1322635	14970 1763608	41440 3252617	424268	864187	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 672845	+++++ 923848	11998 1887589	186308	428991	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 1461120	12873 1972982	36443 3787104	437541	945498	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1143093	10973 1548606	30725 2994648	341782	730003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 1726735	21441 2314513	54606 4418570	543348	1127504	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 2674126	27672 3595593	78861 6771998	838534	1747508	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 884417	8458 1191189	26081 2213408	283218	586515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2060996	22497 2733985	65501 5114351	671615	1366350	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1049575	10695 1395981	28855 2625249	333005	699008	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1600269	12364 2163997	39130 4134957	489313	1053878	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 1466678	11309 1973332	34246 3713054	441577	954966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 3265858	31723 4362179	93735 8060942	1035939	2144883	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1368578	15382 1823711	41194 3402773	438385	921128	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 3614694	35689 4761465	104027 8588250	1146976	2428875	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1068251	+++++ 1431836	33997 2699054	336924	716032	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1188859	+++++ 1570417	33003 2830746	370035	802571	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 3361751	33462 4443607	99489 8047332	1063848	2253825	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 2754570	31263 3655890	84726 6775236	867515	1842004	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3028455	32967 4010127	92557 7366666	957486	2016034	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1508516	9188 2015326	27942 3821590	431720	989971	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 2953424	34243 3882088	96292 7084357	973406	1988792	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20736-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 2998517	28967 3952293	86321 7327196	932117	1990462	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 4055790	44546 5312031	126577 9541306	1332745	2725866	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 3674867	35937 4836510	108282 8784165	1183705	2459661	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2052740	20094 2745844	54201 5164611	595827	1350281	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2014386	18222 2715131	48678 5146856	562877	1306309	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1959220	9089 2755877	24766 5672825	460575	1187690	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1222569	+++++ 1581850	+++++ 2813425	348175	828564	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 2663939	24520 3524244	72178 6473695	817045	1784515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2004035	20489 2657751	51971 5024963	588045	1312502	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 978405	+++++ 1231634	+++++ 2441545	175760	610188	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1164315	+++++ 1475667	18612 3272796	217472	705913	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1532640	17711 1974819	46747 3591316	466367	1031628	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 2359180	+++++ 2618860	26834 6652457	324882	1438505	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1083365	9957 1331446	18721 3010175	211935	684727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20748-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5718	+++++ 0.5385	0.6481 0.5237	0.5011	0.5642	Ave		0.5579				9.2		30.0			
Dichlorodifluoromethane	+++++ 4.0127	+++++ 3.7871	4.0771 3.6104	3.5425	4.0272	Ave		3.8428				6.0		30.0			
Freon 22	+++++ 1.5431	+++++ 1.4802	1.5837 1.4422	1.3171	1.5358	Ave		1.4837				6.4		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.7079	3.6219 3.5041	3.8666 3.2874	3.2774	3.7402	Ave		3.5722				6.3		30.0			
Chloromethane	+++++ 0.6827	+++++ 0.6601	0.6793 0.6465	0.5944	0.6753	Ave		0.6564				5.1		30.0			
n-Butane	+++++ 1.1407	+++++ 1.1380	1.1873 1.0558	0.9660	1.1500	Ave		1.1063				7.3		30.0			
Vinyl chloride	0.7183 0.9248	0.8293 0.9388	0.8845 0.8637	0.7757	0.9228	Ave		0.8572				9.1		30.0			
1,3-Butadiene	+++++ 0.5933	0.5458 0.6313	0.3447 0.5801	0.5135	0.6028	Ave		0.5445				18.0		30.0			
Bromomethane	+++++ 0.9929	0.9302 0.9884	1.0175 0.9283	0.8407	0.9729	Ave		0.9530				6.2		30.0			
Chloroethane	+++++ 0.5158	+++++ 0.4856	0.2254 0.4927	0.4648	0.5416	Ave		0.4543				25.0		30.0			
Isopentane	+++++ 0.9224	0.9278 0.8469	0.9465 0.8725	0.8069	0.9413	Ave		0.8949				6.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.4182	1.2679 1.3063	1.2953 1.2964	1.2061	1.3949	Ave		1.3122				5.6		30.0			
Trichlorofluoromethane	+++++ 4.3300	4.0385 4.0915	4.3114 3.9435	3.7548	4.3024	Ave		4.1103				5.3		30.0			
n-Pentane	+++++ 1.4682	+++++ 1.3906	1.4133 1.3331	1.2451	1.4433	Ave		1.3823				5.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20748-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.3296	+++++ 0.2850	0.2815 0.2667	0.2273	0.3103	Ave		0.2834				13.0		30.0			
Ethyl ether	+++++ 0.8142	0.5778 0.7515	0.7218 0.7296	0.6797	0.7748	Ave		0.7213				11.0		30.0			
Acrolein	+++++ 0.3653	+++++ 0.3320	+++++ 0.3209	0.3036	0.3556	Ave		0.3355				7.5		30.0			
Freon TF	+++++ 2.7731	2.6341 2.5978	2.8528 2.4573	2.4543	2.7999	Ave		2.6528				6.1		30.0			
1,1-Dichloroethene	+++++ 1.2963	1.1606 1.2262	1.2538 1.1810	1.1104	1.2811	Ave		1.2156				5.6		30.0			
Acetone	+++++ 1.3839	+++++ 1.3010	+++++ 1.2390	1.2874	1.7579	Ave		1.3938				15.0		30.0			
Carbon disulfide	+++++ 3.3188	+++++ 3.1671	3.2853 3.0449	2.8640	3.3170	Ave		3.1662				5.8		30.0			
Isopropyl alcohol	+++++ 1.0521	+++++ 0.9581	+++++ 0.9067	0.9342	1.0931	Ave		0.9889				8.1		30.0			
3-Chloropropene	+++++ 0.9529	0.7130 0.9184	0.8157 0.9056	0.7955	0.9269	Ave		0.8611				10.0		30.0			
Acetonitrile	+++++ 0.5046	+++++ 0.4757	+++++ 0.4623	0.4254	0.4808	Ave		0.4698				6.2		30.0			
Methylene Chloride	+++++ 0.9162	+++++ 0.8753	0.5943 0.8480	0.8205	0.8977	Ave		0.8253				14.0		30.0			
tert-Butyl alcohol	+++++ 2.0611	+++++ 1.8960	+++++ 1.8468	1.7433	2.0981	Ave		1.9291				7.7		30.0			
Methyl tert-butyl ether	+++++ 3.9933	3.1244 3.7957	1.6582 3.6202	3.2930	3.8456	Ave		3.3329				24.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.6369	1.4955 1.5692	1.5840 1.5196	1.4066	1.6293	Ave		1.5487				5.3		30.0			
Acrylonitrile	+++++ 0.6476	+++++ 0.6167	0.2815 0.6045	0.5419	0.6223	Ave		0.5524				25.0		30.0			
n-Hexane	+++++ 1.5715	1.2940 1.5142	1.5414 1.4327	1.3633	1.5581	Ave		1.4679				7.3		30.0			
1,1-Dichloroethane	1.6827 1.9752	1.8489 1.9098	1.9653 1.8207	1.7438	1.9724	Ave		1.8649				5.9		30.0			
Vinyl acetate	+++++ 2.1238	+++++ 2.0408	+++++ 1.9701	1.7563	2.0402	Ave		1.9863				7.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.4039	1.1574 1.3591	1.3209 1.2567	1.2146	1.4091	Ave		1.3031				7.4		30.0			
Methyl Ethyl Ketone	+++++ 0.5831	+++++ 0.5510	0.6045 0.5032	0.5151	0.5889	Ave		0.5576				7.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20748-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1261	+++++ 0.1201	+++++ 0.1116	0.1120	0.1236	Ave		0.1187				5.6		30.0			
Tetrahydrofuran	+++++ 0.1799	+++++ 0.1727	+++++ 0.1599	0.1542	0.1780	Ave		0.1689				6.7		30.0			
Chloroform	+++++ 2.9887	2.7116 2.8775	2.9070 2.7346	2.5775	2.9457	Ave		2.8204				5.3		30.0			
Cyclohexane	+++++ 0.3677	0.3032 0.3534	0.3443 0.3168	0.3299	0.3691	Ave		0.3406				7.4		30.0			
1,1,1-Trichloroethane	+++++ 0.7235	0.6099 0.7028	0.7024 0.6493	0.6292	0.7194	Ave		0.6766				6.8		30.0			
Carbon tetrachloride	0.6139 0.7908	0.6511 0.7634	0.7337 0.7159	0.6803	0.7799	Ave		0.7161				8.9		30.0			
2,2,4-Trimethylpentane	+++++ 1.0048	0.7733 0.9658	0.9058 0.8720	0.8786	0.9920	Ave		0.9132				8.9		30.0			
Benzene	+++++ 0.7787	0.7042 0.7493	0.7961 0.6858	0.6967	0.7771	Ave		0.7411				6.1		30.0			
1,2-Dichloroethane	+++++ 0.3981	0.3284 0.3848	0.3664 0.3690	0.3391	0.3873	Ave		0.3676				7.0		30.0			
n-Heptane	+++++ 0.3103	0.2608 0.2965	0.2792 0.2704	0.2688	0.3038	Ave		0.2843				6.8		30.0			
n-Butanol	+++++ 0.0991	+++++ 0.0901	+++++ 0.0972	0.0816	0.0982	Ave		0.0932				7.9		30.0			
Trichloroethene	0.3547 0.4107	0.3613 0.3932	0.3894 0.3643	0.3620	0.4070	Ave		0.3803				5.9		30.0			
1,2-Dichloropropane	+++++ 0.2391	0.2000 0.2287	0.2206 0.2118	0.2080	0.2353	Ave		0.2205				6.6		30.0			
Methyl methacrylate	+++++ 0.2758	+++++ 0.2658	0.1902 0.2540	0.2276	0.2684	Ave		0.2470				13.0		30.0			
1,4-Dioxane	+++++ 0.1316	+++++ 0.1144	+++++ 0.1080	0.1186	0.1368	Ave		0.1219				9.8		30.0			
Dibromomethane	+++++ 0.4581	0.3965 0.4326	0.4416 0.3949	0.4105	0.4554	Ave		0.4271				6.2		30.0			
Bromodichloromethane	+++++ 0.6786	0.4998 0.6491	0.5790 0.6097	0.5733	0.6554	Ave		0.6064				10.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4533	0.2725 0.4369	0.3344 0.4179	0.3679	0.4282	Ave		0.3873				17.0		30.0			
methyl isobutyl ketone	+++++ 0.4086	0.2376 0.3849	0.2963 0.3680	0.3381	0.4012	Ave		0.3478				18.0		30.0			
n-Octane	+++++ 0.4003	0.2883 0.3748	0.3708 0.3322	0.3693	0.4039	Ave		0.3628				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20748-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6821	0.6506 0.6332	0.7231 0.5633	0.6455	0.6786	Ave		0.6538				7.6		30.0			
trans-1,3-Dichloropropene	+++++ 0.5024	0.2947 0.4781	0.3569 0.4683	0.4023	0.4751	Ave		0.4254				18.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3259	0.2529 0.3077	0.2995 0.2854	0.2861	0.3176	Ave		0.2964				8.2		30.0			
Tetrachloroethene	0.7920 0.8043	0.7107 0.7517	0.8045 0.6710	0.7319	0.7988	Ave		0.7581				6.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4091	+++++ 0.3938	0.2329 0.3894	0.3214	0.3965	Ave		0.3572				19.0		30.0			
Dibromochloromethane	+++++ 0.8885	0.6111 0.8410	0.7075 0.7812	0.7548	0.8739	Ave		0.7797				13.0		30.0			
1,2-Dibromoethane	+++++ 0.6951	0.5209 0.6601	0.5965 0.6178	0.5896	0.6748	Ave		0.6221				9.6		30.0			
Chlorobenzene	+++++ 1.0500	1.0179 0.9866	1.0602 0.9115	0.9373	1.0422	Ave		1.0008				5.8		30.0			
Ethylbenzene	+++++ 1.6261	1.3137 1.5326	1.5311 1.3970	1.4466	1.6153	Ave		1.4946				7.7		30.0			
n-Nonane	+++++ 0.5378	0.4015 0.5077	0.5064 0.4566	0.4886	0.5421	Ave		0.4915				10.0		30.0			
m,p-Xylene	+++++ 0.6266	0.5340 0.5827	0.6358 0.5275	0.5793	0.6315	Ave		0.5882				7.7		30.0			
Xylene, o-	+++++ 0.6382	0.5077 0.5950	0.5602 0.5416	0.5745	0.6461	Ave		0.5805				8.6		30.0			
Styrene	+++++ 0.9731	0.5870 0.9224	0.7597 0.8530	0.8441	0.9741	Ave		0.8448				16.0		30.0			
Bromoform	+++++ 0.8919	0.5369 0.8411	0.6649 0.7660	0.7618	0.8827	Ave		0.7636				17.0		30.0			
Cumene	+++++ 1.9859	1.5060 1.8594	1.8198 1.6629	1.7871	1.9826	Ave		1.8005				9.5		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8322	0.7302 0.7774	0.7998 0.7020	0.7563	0.8514	Ave		0.7785				6.9		30.0			
n-Propylbenzene	+++++ 2.1980	1.6943 2.0296	2.0196 1.7717	1.9786	2.2451	Ave		1.9910				10.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6496	+++++ 0.6103	0.6600 0.5568	0.5812	0.6618	Ave		0.6200				7.1		30.0			
n-Decane	+++++ 0.7229	+++++ 0.6694	0.6407 0.5839	0.6383	0.7418	Ave		0.6662				8.8		30.0			
4-Ethyltoluene	+++++ 2.0442	1.5885 1.8941	1.9315 1.6601	1.8352	2.0833	Ave		1.8624				9.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20748-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.6750	1.4841 1.5583	1.6449 1.3976	1.4965	1.7026	Ave		1.5656				7.2		30.0			
1,3,5-Trimethylbenzene	+++++ 1.8416	1.5650 1.7093	1.7970 1.5197	1.6518	1.8635	Ave		1.7068				7.9		30.0			
Alpha Methyl Styrene	+++++ 0.9173	0.4362 0.8590	0.5425 0.7883	0.7448	0.9151	Ave		0.7433				25.0		30.0			
tert-Butylbenzene	+++++ 1.7959	1.6256 1.6547	1.8695 1.4614	1.6792	1.8383	Ave		1.7035				8.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.8234	1.3752 1.6847	1.6759 1.5115	1.6080	1.8398	Ave		1.6455				10.0		30.0			
sec-Butylbenzene	+++++ 2.4663	2.1147 2.2642	2.4574 1.9683	2.2991	2.5196	Ave		2.2985				8.8		30.0			
4-Isopropyltoluene	+++++ 2.2346	1.7060 2.0616	2.1023 1.8121	2.0420	2.2735	Ave		2.0332				10.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2482	0.9539 1.1704	1.0523 1.0654	1.0279	1.2481	Ave		1.1095				10.0		30.0			
1,4-Dichlorobenzene	+++++ 1.2249	0.8651 1.1573	0.9451 1.0617	0.9710	1.2075	Ave		1.0618				13.0		30.0			
Benzyl chloride	+++++ 1.1914	0.4315 1.1747	0.4808 1.1702	0.7945	1.0978	Ave		0.9058				37.0	*	30.0			
n-Undecane	+++++ 0.7434	+++++ 0.6743	+++++ 0.5804	0.6006	0.7659	Ave		0.6729				12.0		30.0			
n-Butylbenzene	+++++ 1.6199	1.1640 1.5022	1.4013 1.3354	1.4095	1.6495	Ave		1.4403				12.0		30.0			
1,2-Dichlorobenzene	+++++ 1.2186	0.9727 1.1329	1.0090 1.0366	1.0144	1.2132	Ave		1.0853				9.4		30.0			
n-Dodecane	+++++ 0.5950	+++++ 0.5250	+++++ 0.5037	0.3032	0.5640	Ave		0.4982				23.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7080	+++++ 0.6290	0.3613 0.6751	0.3752	0.6525	Ave		0.5669				28.0		30.0			
Hexachlorobutadiene	+++++ 0.9320	0.8408 0.8418	0.9076 0.7408	0.8045	0.9536	Ave		0.8601				8.8		30.0			
Naphthalene	+++++ 1.4346	+++++ 1.1163	0.5210 1.3723	0.5605	1.3296	Ave		1.0557				39.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.6588	0.4727 0.5675	0.3635 0.6210	0.3656	0.6329	Ave		0.5260				24.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20748-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 213568	+++++ 289638	7945 560656	68655	140010	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 1498852	+++++ 2036941	49981 3865186	485352	999456	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 576407	+++++ 796162	19415 1544006	180454	381162	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1384998	18222 1884732	47401 3519414	449033	928242	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 255025	+++++ 355046	8328 692163	81439	167606	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 426076	+++++ 612083	14555 1130276	132351	285413	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	785 345433	4172 504923	10843 924618	106280	229012	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 221609	2746 339558	4226 621026	70353	149610	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 370868	4680 531610	12473 993761	115181	241442	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 192683	+++++ 261212	2763 527430	63675	134403	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 344527	4668 455537	11603 934027	110550	233611	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 529735	6379 702612	15879 1387891	165241	346182	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1617376	20318 2200642	52854 4221765	514440	1067747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 548423	+++++ 747926	17326 1427199	170593	358200	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 164496	+++++ 306624	34548 713715	62334	115578	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20748-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 304114	2907 404196	8848 781053	93118	192282	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 136437	+++++ 178554	+++++ 343495	41599	88241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1035821	13252 1397265	34973 2630721	336259	694880	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 484212	5839 659534	15370 1264367	152129	317945	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 516939	+++++ 699772	+++++ 1326389	176381	436259	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1239670	+++++ 1703476	40275 3259822	392390	823193	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 392981	+++++ 515348	+++++ 970703	127995	271288	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 355925	3587 493946	10000 969536	108983	230038	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 188475	+++++ 255856	+++++ 494906	58288	119328	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 342226	+++++ 470784	7285 907794	112408	222792	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 769883	+++++ 1019788	+++++ 1977171	238846	520688	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1491587	15719 2041570	20328 3875641	451169	954394	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 611440	7524 844028	19418 1626841	192709	404364	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 241893	+++++ 331675	3451 647138	74241	154438	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 586998	6510 814414	18896 1533795	186775	386694	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1839 737782	9302 1027200	24093 1949133	238918	489508	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 793302	+++++ 1097665	+++++ 2109173	240625	506331	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 524392	5823 731013	16193 1345344	166414	349712	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 217816	+++++ 296370	7410 538711	70567	146155	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 47096	+++++ 64609	+++++ 119476	15342	30677	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 329205	+++++ 451139	+++++ 852155	101249	214828	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20748-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1116352	13642 1547678	35637 2927600	353138	731043	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 673028	7515 923175	20413 1688008	216636	445466	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1324300	15118 1835675	41648 3459556	413102	868137	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	3273 1447512	16139 1993842	43501 3814449	446706	941186	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 1839233	19168 2522729	53707 4646331	576881	1197101	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1425296	17456 1957216	47199 3654247	457446	937791	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 728704	8141 1005157	21725 1966384	222650	467406	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 568000	6465 774565	16555 1440616	176521	366662	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 181355	+++++ 235433	+++++ 517699	53587	118539	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1891 751793	8957 1026975	23087 1941309	237693	491220	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 437616	4958 597332	13080 1128560	136596	284011	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 504843	+++++ 694248	11279 1353223	149417	323850	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 240826	+++++ 298849	+++++ 575243	77888	165035	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 838472	9828 1129943	26185 2104377	269564	549573	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1242171	12388 1695508	34332 3248918	376429	790894	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 829761	6754 1141045	19828 2226486	241583	516718	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 747823	5889 1005345	17569 1960750	222015	484157	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 732734	7146 978872	21985 1769899	242475	487448	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1121753	13704 1485517	37247 2730529	374209	734178	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 919654	7304 1248842	21161 2495427	264182	573361	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 536001	5327 721781	15426 1383319	165867	343630	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20748-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	3547 1322635	14970 1763608	41440 3252617	424268	864187	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 672845	+++++ 923848	11998 1887589	186308	428991	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 1461120	12873 1972982	36443 3787104	437541	945498	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1143093	10973 1548606	30725 2994648	341782	730003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 1726735	21441 2314513	54606 4418570	543348	1127504	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 2674126	27672 3595593	78861 6771998	838534	1747508	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 884417	8458 1191189	26081 2213408	283218	586515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2060996	22497 2733985	65501 5114351	671615	1366350	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1049575	10695 1395981	28855 2625249	333005	699008	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1600269	12364 2163997	39130 4134957	489313	1053878	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 1466678	11309 1973332	34246 3713054	441577	954966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 3265858	31723 4362179	93735 8060942	1035939	2144883	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1368578	15382 1823711	41194 3402773	438385	921128	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 3614694	35689 4761465	104027 8588250	1146976	2428875	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1068251	+++++ 1431836	33997 2699054	336924	716032	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1188859	+++++ 1570417	33003 2830746	370035	802571	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 3361751	33462 4443607	99489 8047332	1063848	2253825	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 2754570	31263 3655890	84726 6775236	867515	1842004	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3028455	32967 4010127	92557 7366666	957486	2016034	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1508516	9188 2015326	27942 3821590	431720	989971	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 2953424	34243 3882088	96292 7084357	973406	1988792	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20748-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 2998517	28967 3952293	86321 7327196	932117	1990462	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 4055790	44546 5312031	126577 9541306	1332745	2725866	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 3674867	35937 4836510	108282 8784165	1183705	2459661	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2052740	20094 2745844	54201 5164611	595827	1350281	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2014386	18222 2715131	48678 5146856	562877	1306309	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1959220	9089 2755877	24766 5672825	460575	1187690	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1222569	+++++ 1581850	+++++ 2813425	348175	828564	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 2663939	24520 3524244	72178 6473695	817045	1784515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2004035	20489 2657751	51971 5024963	588045	1312502	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 978405	+++++ 1231634	+++++ 2441545	175760	610188	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1164315	+++++ 1475667	18612 3272796	217472	705913	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1532640	17711 1974819	46747 3591316	466367	1031628	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 2359180	+++++ 2618860	26834 6652457	324882	1438505	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1083365	9957 1331446	18721 3010175	211935	684727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Lab Sample ID: ICV 200-67034/15 Calibration Date: 01/10/2014 20:05

Instrument ID: CHG.i Calib Start Date: 01/10/2014 10:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/10/2014 19:18

Lab File ID: gin15.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.3133	0.2957		9.43	10.0	-5.6	30.0
Dichlorodifluoromethane	Ave	2.380	2.234		9.38	10.0	-6.2	30.0
Freon 22	Ave	0.9156	0.8926		9.75	10.0	-2.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.207	2.180		9.88	10.0	-1.2	30.0
Chloromethane	Ave	0.4568	0.4396		9.62	10.0	-3.8	30.0
n-Butane	Ave	0.6277	0.5924		9.44	10.0	-5.6	30.0
Vinyl chloride	Ave	0.5573	0.5586		10.0	10.0	0.2	30.0
1,3-Butadiene	Ave	0.3522	0.3545		10.1	10.0	0.7	30.0
Bromomethane	Ave	0.8161	0.7661		9.38	10.0	-6.1	30.0
Chloroethane	Ave	0.2356	0.2210		9.38	10.0	-6.2	30.0
Isopentane	Ave	0.4421	0.4037		9.13	10.0	-8.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9256	0.9110		9.84	10.0	-1.6	30.0
Trichlorofluoromethane	Ave	2.629	2.567		9.76	10.0	-2.4	30.0
n-Pentane	Ave	0.7131	0.6659		9.34	10.0	-6.6	30.0
Ethanol	Ave	0.1604	0.1615		15.1	15.0	0.7	30.0
Ethyl ether	Ave	0.3380	0.3123		9.24	10.0	-7.6	30.0
Acrolein	Ave	0.1730	0.1455		8.41	10.0	-15.9	30.0
Freon TF	Ave	1.680	1.760		10.5	10.0	4.7	30.0
1,1-Dichloroethene	Ave	0.7133	0.7373		10.3	10.0	3.4	30.0
Acetone	Ave	0.6507	0.6984		10.7	10.0	7.3	30.0
Carbon disulfide	Ave	2.251	1.926		8.55	10.0	-14.4	30.0
Isopropyl alcohol	Ave	0.4977	0.4989		10.0	10.0	0.2	30.0
3-Chloropropene	Ave	0.4894	0.4796		9.80	10.0	-2.0	30.0
Acetonitrile	Ave	0.2749	0.2727		9.92	10.0	-0.8	30.0
Methylene Chloride	Ave	0.5677	0.5786		10.2	10.0	1.9	30.0
tert-Butyl alcohol	Ave	0.9145	0.8589		9.39	10.0	-6.1	30.0
Methyl tert-butyl ether	Ave	1.731	1.692		9.78	10.0	-2.2	30.0
trans-1,2-Dichloroethene	Ave	0.8606	0.8303		9.65	10.0	-3.5	30.0
Acrylonitrile	Ave	0.3208	0.3134		9.77	10.0	-2.3	30.0
n-Hexane	Ave	0.6990	0.6795		9.72	10.0	-2.8	30.0
1,1-Dichloroethane	Ave	1.131	1.118		9.88	10.0	-1.1	30.0
Vinyl acetate	Ave	1.166	1.140		9.77	10.0	-2.3	30.0
cis-1,2-Dichloroethene	Ave	0.9820	0.9638		9.81	10.0	-1.9	30.0
Methyl Ethyl Ketone	Ave	0.3819	0.3272		8.57	10.0	-14.3	30.0
Ethyl acetate	Ave	0.0552	0.0564		10.2	10.0	2.1	30.0
Tetrahydrofuran	Ave	0.0979	0.0972		9.94	10.0	-0.6	30.0
Chloroform	Ave	2.212	2.172		9.82	10.0	-1.8	30.0
Cyclohexane	Ave	0.1981	0.1904		9.61	10.0	-3.9	30.0
1,1,1-Trichloroethane	Ave	0.4528	0.4401		9.72	10.0	-2.8	30.0
Carbon tetrachloride	Ave	0.5653	0.5493		9.71	10.0	-2.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Lab Sample ID: ICV 200-67034/15 Calibration Date: 01/10/2014 20:05

Instrument ID: CHG.i Calib Start Date: 01/10/2014 10:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/10/2014 19:18

Lab File ID: gin15.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5176	0.5009		9.68	10.0	-3.2	30.0
2,2,4-Trimethylpentane	Ave	0.6346	0.6238		9.83	10.0	-1.7	30.0
1,2-Dichloroethane	Ave	0.2590	0.2523		9.74	10.0	-2.6	30.0
n-Heptane	Ave	0.2393	0.2258		9.43	10.0	-5.6	30.0
n-Butanol	Ave	0.0896	0.0853		9.51	10.0	-4.9	30.0
Trichloroethene	Ave	0.3544	0.3455		9.75	10.0	-2.5	30.0
1,2-Dichloropropane	Ave	0.2449	0.2350		9.60	10.0	-4.0	30.0
Methyl methacrylate	Ave	0.2273	0.2195		9.66	10.0	-3.4	30.0
1,4-Dioxane	Ave	0.1073	0.1048		9.77	10.0	-2.3	30.0
Dibromomethane	Ave	0.4166	0.4019		9.65	10.0	-3.5	30.0
Bromodichloromethane	Ave	0.5949	0.6047		10.2	10.0	1.6	30.0
cis-1,3-Dichloropropene	Ave	0.4141	0.3997		9.65	10.0	-3.5	30.0
methyl isobutyl ketone	Ave	0.3994	0.3904		9.77	10.0	-2.3	30.0
Toluene	Ave	0.5958	0.5497		9.22	10.0	-7.7	30.0
n-Octane	Ave	0.4114	0.3974		9.66	10.0	-3.4	30.0
trans-1,3-Dichloropropene	Ave	0.4125	0.4075		9.88	10.0	-1.2	30.0
1,1,2-Trichloroethane	Ave	0.2892	0.2683		9.27	10.0	-7.2	30.0
Tetrachloroethene	Ave	0.6251	0.5798		9.27	10.0	-7.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3785	0.3611		9.54	10.0	-4.6	30.0
Dibromochloromethane	Ave	0.7361	0.7621		10.4	10.0	3.5	30.0
1,2-Dibromoethane	Ave	0.5915	0.5721		9.67	10.0	-3.3	30.0
Chlorobenzene	Ave	0.8450	0.7993		9.46	10.0	-5.4	30.0
Ethylbenzene	Ave	1.199	1.167		9.73	10.0	-2.7	30.0
n-Nonane	Ave	0.4415	0.4277		9.69	10.0	-3.1	30.0
m,p-Xylene	Ave	0.4956	0.4777		19.3	20.0	-3.6	30.0
Xylene, o-	Ave	0.5034	0.4861		9.65	10.0	-3.5	30.0
Styrene	Ave	0.7107	0.7170		10.1	10.0	0.9	30.0
Bromoform	Ave	0.7080	0.7487		10.6	10.0	5.8	30.0
Cumene	Ave	1.390	1.380		9.93	10.0	-0.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7000	0.6769		9.67	10.0	-3.3	30.0
1,2,3-Trichloropropane	Ave	0.4640	0.4663		10.0	10.0	0.5	30.0
n-Propylbenzene	Ave	1.438	1.481		10.3	10.0	3.0	30.0
2-Chlorotoluene	Ave	0.9626	0.9780		10.2	10.0	1.6	30.0
4-Ethyltoluene	Ave	1.195	1.250		10.5	10.0	4.7	30.0
n-Decane	Ave	0.4424	0.4431		10.0	10.0	0.2	30.0
1,3,5-Trimethylbenzene	Ave	1.148	1.144		9.97	10.0	-0.3	30.0
Alpha Methyl Styrene	Ave	0.5663	0.5995		10.6	10.0	5.9	30.0
tert-Butylbenzene	Ave	1.170	1.171		10.0	10.0	0.1	30.0
1,2,4-Trimethylbenzene	Ave	1.115	1.100		9.86	10.0	-1.3	30.0
sec-Butylbenzene	Ave	1.636	1.666		10.2	10.0	1.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Lab Sample ID: ICV 200-67034/15 Calibration Date: 01/10/2014 20:05

Instrument ID: CHG.i Calib Start Date: 01/10/2014 10:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/10/2014 19:18

Lab File ID: gin15.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.366	1.410		10.3	10.0	3.2	30.0
1,3-Dichlorobenzene	Ave	0.7380	0.7593		10.3	10.0	2.9	30.0
1,4-Dichlorobenzene	Ave	0.7087	0.7371		10.4	10.0	4.0	30.0
Benzyl chloride	Ave	0.6859	0.7477		10.9	10.0	9.0	30.0
n-Butylbenzene	Ave	1.072	1.144		10.7	10.0	6.7	30.0
n-Undecane	Ave	0.5127	0.5594		10.9	10.0	9.1	30.0
1,2-Dichlorobenzene	Ave	0.7633	0.7598		9.95	10.0	-0.5	30.0
n-Dodecane	Ave	0.1038	0.2009		19.4	10.0	93.6*	30.0
1,2,4-Trichlorobenzene	Ave	0.3889	0.3870		9.95	10.0	-0.5	30.0
Hexachlorobutadiene	Ave	0.4166	0.5004		12.0	10.0	20.1	30.0
Naphthalene	Ave	0.8078	0.9233		11.4	10.0	14.3	30.0
1,2,3-Trichlorobenzene	Ave	0.3188	0.4227		13.3	10.0	32.6*	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Lab Sample ID: CCVIS 200-67338/2 Calibration Date: 01/20/2014 10:00

Instrument ID: CHG.i Calib Start Date: 01/10/2014 10:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/10/2014 19:18

Lab File ID: 5765002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.3133	0.3424		10.9	10.0	9.3	30.0
Dichlorodifluoromethane	Ave	2.380	2.655		11.1	10.0	11.5	30.0
Freon 22	Ave	0.9156	1.030		11.2	10.0	12.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.207	2.526		11.4	10.0	14.4	30.0
Chloromethane	Ave	0.4568	0.5081		11.1	10.0	11.2	30.0
n-Butane	Ave	0.6277	0.6772		10.8	10.0	7.9	30.0
Vinyl chloride	Ave	0.5573	0.6539		11.7	10.0	17.3	30.0
1,3-Butadiene	Ave	0.3522	0.4025		11.4	10.0	14.3	30.0
Bromomethane	Ave	0.8161	0.9365		11.5	10.0	14.7	30.0
Chloroethane	Ave	0.2356	0.2625		11.1	10.0	11.4	30.0
Isopentane	Ave	0.4421	0.4481		10.1	10.0	1.4	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9256	1.049		11.3	10.0	13.4	30.0
Trichlorofluoromethane	Ave	2.629	2.888		11.0	10.0	9.9	30.0
n-Pentane	Ave	0.7131	0.7667		10.7	10.0	7.5	30.0
Ethanol	Ave	0.1604	0.1767		16.5	15.0	10.1	30.0
Ethyl ether	Ave	0.3380	0.3802		11.2	10.0	12.5	30.0
Acrolein	Ave	0.1730	0.2040		11.8	10.0	17.9	30.0
Freon TF	Ave	1.680	1.863		11.1	10.0	10.9	30.0
1,1-Dichloroethene	Ave	0.7133	0.7721		10.8	10.0	8.2	30.0
Acetone	Ave	0.6507	0.7574		11.6	10.0	16.4	30.0
Carbon disulfide	Ave	2.251	2.269		10.1	10.0	0.8	30.0
Isopropyl alcohol	Ave	0.4977	0.5131		10.3	10.0	3.1	30.0
3-Chloropropene	Ave	0.4894	0.5257		10.7	10.0	7.4	30.0
Acetonitrile	Ave	0.2749	0.3024		11.0	10.0	10.0	30.0
Methylene Chloride	Ave	0.5677	0.6001		10.6	10.0	5.7	30.0
tert-Butyl alcohol	Ave	0.9145	0.9549		10.4	10.0	4.4	30.0
Methyl tert-butyl ether	Ave	1.731	1.884		10.9	10.0	8.9	30.0
trans-1,2-Dichloroethene	Ave	0.8606	0.9343		10.9	10.0	8.6	30.0
Acrylonitrile	Ave	0.3208	0.3472		10.8	10.0	8.3	30.0
n-Hexane	Ave	0.6990	0.7656		11.0	10.0	9.5	30.0
1,1-Dichloroethane	Ave	1.131	1.265		11.2	10.0	11.9	30.0
Vinyl acetate	Ave	1.166	1.279		11.0	10.0	9.7	30.0
cis-1,2-Dichloroethene	Ave	0.9820	1.070		10.9	10.0	9.0	30.0
Methyl Ethyl Ketone	Ave	0.3819	0.3507		9.18	10.0	-8.2	30.0
Ethyl acetate	Ave	0.0552	0.0611		11.1	10.0	10.7	30.0
Tetrahydrofuran	Ave	0.0979	0.0990		10.1	10.0	1.2	30.0
Chloroform	Ave	2.212	2.435		11.0	10.0	10.1	30.0
Cyclohexane	Ave	0.1981	0.2018		10.2	10.0	1.9	30.0
1,1,1-Trichloroethane	Ave	0.4528	0.4627		10.2	10.0	2.2	30.0
Carbon tetrachloride	Ave	0.5653	0.5885		10.4	10.0	4.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Lab Sample ID: CCVIS 200-67338/2 Calibration Date: 01/20/2014 10:00

Instrument ID: CHG.i Calib Start Date: 01/10/2014 10:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/10/2014 19:18

Lab File ID: 5765002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5176	0.5366		10.4	10.0	3.7	30.0
2,2,4-Trimethylpentane	Ave	0.6346	0.6504		10.2	10.0	2.5	30.0
1,2-Dichloroethane	Ave	0.2590	0.2683		10.4	10.0	3.6	30.0
n-Heptane	Ave	0.2393	0.2340		9.78	10.0	-2.2	30.0
n-Butanol	Ave	0.0896	0.0868		9.68	10.0	-3.2	30.0
Trichloroethene	Ave	0.3544	0.3817		10.8	10.0	7.7	30.0
1,2-Dichloropropane	Ave	0.2449	0.2670		10.9	10.0	9.0	30.0
Methyl methacrylate	Ave	0.2273	0.2492		11.0	10.0	9.6	30.0
1,4-Dioxane	Ave	0.1073	0.1122		10.5	10.0	4.6	30.0
Dibromomethane	Ave	0.4166	0.4766		11.4	10.0	14.4	30.0
Bromodichloromethane	Ave	0.5949	0.6606		11.1	10.0	11.0	30.0
cis-1,3-Dichloropropene	Ave	0.4141	0.4608		11.1	10.0	11.3	30.0
methyl isobutyl ketone	Ave	0.3994	0.4120		10.3	10.0	3.1	30.0
Toluene	Ave	0.5958	0.6054		10.2	10.0	1.6	30.0
n-Octane	Ave	0.4114	0.4323		10.5	10.0	5.1	30.0
trans-1,3-Dichloropropene	Ave	0.4125	0.4697		11.4	10.0	13.9	30.0
1,1,2-Trichloroethane	Ave	0.2892	0.3005		10.4	10.0	3.9	30.0
Tetrachloroethene	Ave	0.6251	0.6524		10.4	10.0	4.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3785	0.3637		9.61	10.0	-3.9	30.0
Dibromochloromethane	Ave	0.7361	0.7900		10.7	10.0	7.3	30.0
1,2-Dibromoethane	Ave	0.5915	0.6287		10.6	10.0	6.3	30.0
Chlorobenzene	Ave	0.8450	0.8720		10.3	10.0	3.2	30.0
Ethylbenzene	Ave	1.199	1.244		10.4	10.0	3.7	30.0
n-Nonane	Ave	0.4415	0.4423		10.0	10.0	0.2	30.0
m,p-Xylene	Ave	0.4956	0.5082		20.5	20.0	2.5	30.0
Xylene, o-	Ave	0.5034	0.5172		10.3	10.0	2.7	30.0
Styrene	Ave	0.7107	0.7234		10.2	10.0	1.8	30.0
Bromoform	Ave	0.7080	0.8020		11.3	10.0	13.3	30.0
Cumene	Ave	1.390	1.444		10.4	10.0	3.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7000	0.7259		10.4	10.0	3.7	30.0
1,2,3-Trichloropropane	Ave	0.4640	0.4729		10.2	10.0	1.9	30.0
n-Propylbenzene	Ave	1.438	1.470		10.2	10.0	2.3	30.0
2-Chlorotoluene	Ave	0.9626	0.9544		9.91	10.0	-0.9	30.0
4-Ethyltoluene	Ave	1.195	1.217		10.2	10.0	1.9	30.0
n-Decane	Ave	0.4424	0.4300		9.72	10.0	-2.8	30.0
1,3,5-Trimethylbenzene	Ave	1.148	1.180		10.3	10.0	2.8	30.0
Alpha Methyl Styrene	Ave	0.5663	0.5721		10.1	10.0	1.0	30.0
tert-Butylbenzene	Ave	1.170	1.215		10.4	10.0	3.8	30.0
1,2,4-Trimethylbenzene	Ave	1.115	1.124		10.1	10.0	0.9	30.0
sec-Butylbenzene	Ave	1.636	1.698		10.4	10.0	3.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Lab Sample ID: CCVIS 200-67338/2 Calibration Date: 01/20/2014 10:00

Instrument ID: CHG.i Calib Start Date: 01/10/2014 10:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/10/2014 19:18

Lab File ID: 5765002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.366	1.410		10.3	10.0	3.2	30.0
1,3-Dichlorobenzene	Ave	0.7380	0.7466		10.1	10.0	1.2	30.0
1,4-Dichlorobenzene	Ave	0.7087	0.7184		10.1	10.0	1.4	30.0
Benzyl chloride	Ave	0.6859	0.7637		11.1	10.0	11.3	30.0
n-Butylbenzene	Ave	1.072	1.071		9.99	10.0	-0.1	30.0
n-Undecane	Ave	0.5127	0.4945		9.64	10.0	-3.6	30.0
1,2-Dichlorobenzene	Ave	0.7633	0.7738		10.1	10.0	1.4	30.0
n-Dodecane	Ave	0.1038	0.0795		7.66	10.0	-23.4	30.0
1,2,4-Trichlorobenzene	Ave	0.3889	0.3321		8.54	10.0	-14.6	30.0
Hexachlorobutadiene	Ave	0.4166	0.4850		11.6	10.0	16.4	30.0
Naphthalene	Ave	0.8078	0.6374		7.89	10.0	-21.1	30.0
1,2,3-Trichlorobenzene	Ave	0.3188	0.3321		10.4	10.0	4.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.5994		10.7	10.0	7.4	30.0
Dichlorodifluoromethane	Ave	3.843	4.262		11.1	10.0	10.9	30.0
Freon 22	Ave	1.484	1.643		11.1	10.0	10.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	3.941		11.0	10.0	10.3	30.0
Chloromethane	Ave	0.6564	0.7291		11.1	10.0	11.1	30.0
n-Butane	Ave	1.106	1.173		10.6	10.0	6.1	30.0
Vinyl chloride	Ave	0.8572	0.9515		11.1	10.0	11.0	30.0
1,3-Butadiene	Ave	0.5445	0.6454		11.9	10.0	18.5	30.0
Bromomethane	Ave	0.9530	1.010		10.6	10.0	6.0	30.0
Chloroethane	Ave	0.4543	0.5477		12.1	10.0	20.6	30.0
Isopentane	Ave	0.8949	0.9897		11.1	10.0	10.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.493		11.4	10.0	13.8	30.0
Trichlorofluoromethane	Ave	4.110	4.555		11.1	10.0	10.8	30.0
n-Pentane	Ave	1.382	1.515		11.0	10.0	9.6	30.0
Ethanol	Ave	0.2834	0.3220		17.0	15.0	13.6	30.0
Ethyl ether	Ave	0.7213	0.7945		11.0	10.0	10.1	30.0
Acrolein	Ave	0.3355	0.3233		9.64	10.0	-3.6	30.0
Freon TF	Ave	2.653	3.208		12.1	10.0	20.9	30.0
1,1-Dichloroethene	Ave	1.216	1.513		12.4	10.0	24.5	30.0
Acetone	Ave	1.394	1.525		10.9	10.0	9.4	30.0
Carbon disulfide	Ave	3.166	3.611		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.089		11.0	10.0	10.2	30.0
3-Chloropropene	Ave	0.8611	1.023		11.9	10.0	18.9	30.0
Acetonitrile	Ave	0.4698	0.5076		10.8	10.0	8.1	30.0
Methylene Chloride	Ave	0.8253	1.044		12.6	10.0	26.5	30.0
tert-Butyl alcohol	Ave	1.929	2.078		10.8	10.0	7.7	30.0
Methyl tert-butyl ether	Ave	3.333	4.187		12.6	10.0	25.6	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.758		11.3	10.0	13.5	30.0
Acrylonitrile	Ave	0.5524	0.6698		12.1	10.0	21.3	30.0
n-Hexane	Ave	1.468	1.696		11.6	10.0	15.5	30.0
1,1-Dichloroethane	Ave	1.865	2.130		11.4	10.0	14.2	30.0
Vinyl acetate	Ave	1.986	2.177		11.0	10.0	9.6	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.527		11.7	10.0	17.2	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6144		11.0	10.0	10.2	30.0
Ethyl acetate	Ave	0.1187	0.1295		10.9	10.0	9.1	30.0
Tetrahydrofuran	Ave	0.1689	0.1907		11.3	10.0	12.9	30.0
Chloroform	Ave	2.820	3.124		11.1	10.0	10.8	30.0
Cyclohexane	Ave	0.3406	0.4008		11.8	10.0	17.6	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8095		12.0	10.0	19.6	30.0
Carbon tetrachloride	Ave	0.7161	0.8253		11.5	10.0	15.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.095		12.0	10.0	20.0	30.0
Benzene	Ave	0.7411	0.8408		11.3	10.0	13.4	30.0
1,2-Dichloroethane	Ave	0.3676	0.4232		11.5	10.0	15.1	30.0
n-Heptane	Ave	0.2843	0.3335		11.7	10.0	17.3	30.0
n-Butanol	Ave	0.0932	0.0939		10.1	10.0	0.7	30.0
Trichloroethene	Ave	0.3803	0.4322		11.4	10.0	13.6	30.0
1,2-Dichloropropane	Ave	0.2205	0.2488		11.3	10.0	12.8	30.0
Methyl methacrylate	Ave	0.2470	0.2844		11.5	10.0	15.2	30.0
1,4-Dioxane	Ave	0.1219	0.1249		10.2	10.0	2.5	30.0
Dibromomethane	Ave	0.4271	0.4797		11.2	10.0	12.3	30.0
Bromodichloromethane	Ave	0.6064	0.7269		12.0	10.0	19.9	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4579		11.8	10.0	18.2	30.0
methyl isobutyl ketone	Ave	0.3478	0.4278		12.3	10.0	23.0	30.0
n-Octane	Ave	0.3628	0.4369		12.0	10.0	20.4	30.0
Toluene	Ave	0.6538	0.6977		10.7	10.0	6.7	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5042		11.8	10.0	18.5	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3084		10.4	10.0	4.0	30.0
Tetrachloroethene	Ave	0.7581	0.7970		10.5	10.0	5.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.3924		11.0	10.0	9.9	30.0
Dibromochloromethane	Ave	0.7797	0.9039		11.6	10.0	15.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.6723		10.8	10.0	8.1	30.0
Chlorobenzene	Ave	1.001	1.033		10.3	10.0	3.2	30.0
Ethylbenzene	Ave	1.495	1.632		10.9	10.0	9.2	30.0
n-Nonane	Ave	0.4915	0.5572		11.3	10.0	13.4	30.0
m,p-Xylene	Ave	0.5882	0.6332		21.5	20.0	7.7	30.0
Xylene, o-	Ave	0.5805	0.6344		10.9	10.0	9.3	30.0
Styrene	Ave	0.8448	0.9694		11.5	10.0	14.8	30.0
Bromoform	Ave	0.7636	0.8991		11.8	10.0	17.7	30.0
Cumene	Ave	1.801	2.022		11.2	10.0	12.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.8065		10.4	10.0	3.6	30.0
n-Propylbenzene	Ave	1.991	2.263		11.4	10.0	13.7	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.6618		10.7	10.0	6.7	30.0
n-Decane	Ave	0.6662	0.7412		11.1	10.0	11.3	30.0
4-Ethyltoluene	Ave	1.862	2.134		11.5	10.0	14.6	30.0
2-Chlorotoluene	Ave	1.566	1.727		11.0	10.0	10.3	30.0
1,3,5-Trimethylbenzene	Ave	1.707	1.838		10.8	10.0	7.7	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9000		12.1	10.0	21.1	30.0
tert-Butylbenzene	Ave	1.704	1.855		10.9	10.0	8.9	30.0
1,2,4-Trimethylbenzene	Ave	1.645	1.781		10.8	10.0	8.2	30.0
sec-Butylbenzene	Ave	2.299	2.536		11.0	10.0	10.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.294		11.3	10.0	12.8	30.0
1,3-Dichlorobenzene	Ave	1.109	1.186		10.7	10.0	6.9	30.0
1,4-Dichlorobenzene	Ave	1.062	1.148		10.8	10.0	8.1	30.0
Benzyl chloride	Ave	0.9058	1.055		11.6	10.0	16.4	30.0
n-Undecane	Ave	0.6729	0.7738		11.5	10.0	15.0	30.0
n-Butylbenzene	Ave	1.440	1.646		11.4	10.0	14.3	30.0
1,2-Dichlorobenzene	Ave	1.085	1.129		10.4	10.0	4.1	30.0
n-Dodecane	Ave	0.4982	0.5718		11.5	10.0	14.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6117		10.8	10.0	7.9	30.0
Hexachlorobutadiene	Ave	0.8601	0.9242		10.7	10.0	7.4	30.0
Naphthalene	Ave	1.056	1.362		12.9	10.0	29.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6460		12.3	10.0	22.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Lab Sample ID: CCV 200-67900/2 Calibration Date: 02/03/2014 12:59

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5954002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.6813		12.2	10.0	22.1	30.0
Dichlorodifluoromethane	Ave	3.843	4.608		12.0	10.0	19.9	30.0
Freon 22	Ave	1.484	1.746		11.8	10.0	17.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	3.785		10.6	10.0	6.0	30.0
Chloromethane	Ave	0.6564	0.8026		12.2	10.0	22.3	30.0
n-Butane	Ave	1.106	1.230		11.1	10.0	11.1	30.0
Vinyl chloride	Ave	0.8572	0.9889		11.5	10.0	15.4	30.0
1,3-Butadiene	Ave	0.5445	0.6644		12.2	10.0	22.0	30.0
Bromomethane	Ave	0.9530	1.119		11.7	10.0	17.4	30.0
Chloroethane	Ave	0.4543	0.6358		14.0	10.0	39.9*	30.0
Isopentane	Ave	0.8949	1.017		11.4	10.0	13.7	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.659		12.6	10.0	26.4	30.0
Trichlorofluoromethane	Ave	4.110	4.949		12.0	10.0	20.4	30.0
n-Pentane	Ave	1.382	1.515		11.0	10.0	9.6	30.0
Ethanol	Ave	0.2834	0.3075		16.3	15.0	8.5	30.0
Ethyl ether	Ave	0.7213	0.8015		11.1	10.0	11.1	30.0
Acrolein	Ave	0.3355	0.3364		10.0	10.0	0.3	30.0
Freon TF	Ave	2.653	3.150		11.9	10.0	18.7	30.0
1,1-Dichloroethene	Ave	1.216	1.479		12.2	10.0	21.7	30.0
Acetone	Ave	1.394	1.526		10.9	10.0	9.4	30.0
Carbon disulfide	Ave	3.166	3.282		10.4	10.0	3.6	30.0
Isopropyl alcohol	Ave	0.9889	1.385		14.0	10.0	40.0*	30.0
3-Chloropropene	Ave	0.8611	1.133		13.2	10.0	31.6*	30.0
Acetonitrile	Ave	0.4698	0.5490		11.7	10.0	16.9	30.0
Methylene Chloride	Ave	0.8253	1.015		12.3	10.0	23.0	30.0
tert-Butyl alcohol	Ave	1.929	2.540		13.2	10.0	31.7*	30.0
Methyl tert-butyl ether	Ave	3.333	4.360		13.1	10.0	30.8*	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.750		11.3	10.0	13.0	30.0
Acrylonitrile	Ave	0.5524	0.6737		12.2	10.0	22.0	30.0
n-Hexane	Ave	1.468	1.651		11.2	10.0	12.4	30.0
1,1-Dichloroethane	Ave	1.865	2.196		11.8	10.0	17.8	30.0
Vinyl acetate	Ave	1.986	2.423		12.2	10.0	22.0	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.613		12.4	10.0	23.8	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6565		11.8	10.0	17.7	30.0
Ethyl acetate	Ave	0.1187	0.1328		11.2	10.0	11.9	30.0
Tetrahydrofuran	Ave	0.1689	0.1987		11.8	10.0	17.6	30.0
Chloroform	Ave	2.820	3.348		11.9	10.0	18.7	30.0
Cyclohexane	Ave	0.3406	0.4185		12.3	10.0	22.9	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8280		12.2	10.0	22.4	30.0
Carbon tetrachloride	Ave	0.7161	0.9014		12.6	10.0	25.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Lab Sample ID: CCV 200-67900/2 Calibration Date: 02/03/2014 12:59

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5954002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.150		12.6	10.0	25.9	30.0
Benzene	Ave	0.7411	0.8838		11.9	10.0	19.3	30.0
1,2-Dichloroethane	Ave	0.3676	0.4374		11.9	10.0	19.0	30.0
n-Heptane	Ave	0.2843	0.3563		12.5	10.0	25.3	30.0
n-Butanol	Ave	0.0932	0.1220		13.1	10.0	30.8*	30.0
Trichloroethene	Ave	0.3803	0.4624		12.2	10.0	21.6	30.0
1,2-Dichloropropane	Ave	0.2205	0.2728		12.4	10.0	23.7	30.0
Methyl methacrylate	Ave	0.2470	0.3001		12.1	10.0	21.5	30.0
1,4-Dioxane	Ave	0.1219	0.1645		13.5	10.0	35.0*	30.0
Dibromomethane	Ave	0.4271	0.5309		12.4	10.0	24.3	30.0
Bromodichloromethane	Ave	0.6064	0.7713		12.7	10.0	27.2	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.5085		13.1	10.0	31.3*	30.0
methyl isobutyl ketone	Ave	0.3478	0.4718		13.6	10.0	35.7*	30.0
n-Octane	Ave	0.3628	0.4654		12.8	10.0	28.3	30.0
Toluene	Ave	0.6538	0.7727		11.8	10.0	18.2	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5607		13.2	10.0	31.8*	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3602		12.1	10.0	21.5	30.0
Tetrachloroethene	Ave	0.7581	0.9172		12.1	10.0	21.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.4678		13.1	10.0	31.0*	30.0
Dibromochloromethane	Ave	0.7797	1.048		13.4	10.0	34.4*	30.0
1,2-Dibromoethane	Ave	0.6221	0.7853		12.6	10.0	26.2	30.0
Chlorobenzene	Ave	1.001	1.189		11.9	10.0	18.8	30.0
Ethylbenzene	Ave	1.495	1.829		12.2	10.0	22.4	30.0
n-Nonane	Ave	0.4915	0.6172		12.6	10.0	25.6	30.0
m,p-Xylene	Ave	0.5882	0.7309		24.8	20.0	24.3	30.0
Xylene, o-	Ave	0.5805	0.7452		12.8	10.0	28.4	30.0
Styrene	Ave	0.8448	1.117		13.2	10.0	32.2*	30.0
Bromoform	Ave	0.7636	1.053		13.8	10.0	38.0*	30.0
Cumene	Ave	1.801	2.296		12.7	10.0	27.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.9471		12.2	10.0	21.7	30.0
n-Propylbenzene	Ave	1.991	2.549		12.8	10.0	28.0	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.7537		12.2	10.0	21.6	30.0
n-Decane	Ave	0.6662	0.8442		12.7	10.0	26.7	30.0
4-Ethyltoluene	Ave	1.862	2.333		12.5	10.0	25.3	30.0
2-Chlorotoluene	Ave	1.566	1.935		12.4	10.0	23.6	30.0
1,3,5-Trimethylbenzene	Ave	1.707	2.125		12.4	10.0	24.5	30.0
Alpha Methyl Styrene	Ave	0.7433	1.029		13.8	10.0	38.5*	30.0
tert-Butylbenzene	Ave	1.704	2.103		12.3	10.0	23.4	30.0
1,2,4-Trimethylbenzene	Ave	1.645	2.099		12.8	10.0	27.5	30.0
sec-Butylbenzene	Ave	2.299	2.872		12.5	10.0	25.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Lab Sample ID: CCV 200-67900/2 Calibration Date: 02/03/2014 12:59

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5954002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.600		12.8	10.0	27.9	30.0
1,3-Dichlorobenzene	Ave	1.109	1.419		12.8	10.0	27.9	30.0
1,4-Dichlorobenzene	Ave	1.062	1.396		13.1	10.0	31.5*	30.0
Benzyl chloride	Ave	0.9058	1.379		15.2	10.0	52.2*	30.0
n-Undecane	Ave	0.6729	0.8408		12.5	10.0	25.0	30.0
n-Butylbenzene	Ave	1.440	1.869		13.0	10.0	29.8	30.0
1,2-Dichlorobenzene	Ave	1.085	1.389		12.8	10.0	28.0	30.0
n-Dodecane	Ave	0.4982	0.5268		10.6	10.0	5.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6634		11.7	10.0	17.0	30.0
Hexachlorobutadiene	Ave	0.8601	1.062		12.3	10.0	23.4	30.0
Naphthalene	Ave	1.056	1.338		12.7	10.0	26.8	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6274		11.9	10.0	19.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.5994		10.7	10.0	7.4	30.0
Dichlorodifluoromethane	Ave	3.843	4.262		11.1	10.0	10.9	30.0
Freon 22	Ave	1.484	1.643		11.1	10.0	10.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	3.941		11.0	10.0	10.3	30.0
Chloromethane	Ave	0.6564	0.7291		11.1	10.0	11.1	30.0
n-Butane	Ave	1.106	1.173		10.6	10.0	6.1	30.0
Vinyl chloride	Ave	0.8572	0.9515		11.1	10.0	11.0	30.0
1,3-Butadiene	Ave	0.5445	0.6454		11.9	10.0	18.5	30.0
Bromomethane	Ave	0.9530	1.010		10.6	10.0	6.0	30.0
Chloroethane	Ave	0.4543	0.5477		12.1	10.0	20.6	30.0
Isopentane	Ave	0.8949	0.9897		11.1	10.0	10.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.493		11.4	10.0	13.8	30.0
Trichlorofluoromethane	Ave	4.110	4.555		11.1	10.0	10.8	30.0
n-Pentane	Ave	1.382	1.515		11.0	10.0	9.6	30.0
Ethanol	Ave	0.2834	0.3220		17.0	15.0	13.6	30.0
Ethyl ether	Ave	0.7213	0.7945		11.0	10.0	10.1	30.0
Acrolein	Ave	0.3355	0.3233		9.64	10.0	-3.6	30.0
Freon TF	Ave	2.653	3.208		12.1	10.0	20.9	30.0
1,1-Dichloroethene	Ave	1.216	1.513		12.4	10.0	24.5	30.0
Acetone	Ave	1.394	1.525		10.9	10.0	9.4	30.0
Carbon disulfide	Ave	3.166	3.611		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.089		11.0	10.0	10.2	30.0
3-Chloropropene	Ave	0.8611	1.023		11.9	10.0	18.9	30.0
Acetonitrile	Ave	0.4698	0.5076		10.8	10.0	8.1	30.0
Methylene Chloride	Ave	0.8253	1.044		12.6	10.0	26.5	30.0
tert-Butyl alcohol	Ave	1.929	2.078		10.8	10.0	7.7	30.0
Methyl tert-butyl ether	Ave	3.333	4.187		12.6	10.0	25.6	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.758		11.3	10.0	13.5	30.0
Acrylonitrile	Ave	0.5524	0.6698		12.1	10.0	21.3	30.0
n-Hexane	Ave	1.468	1.696		11.6	10.0	15.5	30.0
1,1-Dichloroethane	Ave	1.865	2.130		11.4	10.0	14.2	30.0
Vinyl acetate	Ave	1.986	2.177		11.0	10.0	9.6	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.527		11.7	10.0	17.2	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6144		11.0	10.0	10.2	30.0
Ethyl acetate	Ave	0.1187	0.1295		10.9	10.0	9.1	30.0
Tetrahydrofuran	Ave	0.1689	0.1907		11.3	10.0	12.9	30.0
Chloroform	Ave	2.820	3.124		11.1	10.0	10.8	30.0
Cyclohexane	Ave	0.3406	0.4008		11.8	10.0	17.6	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8095		12.0	10.0	19.6	30.0
Carbon tetrachloride	Ave	0.7161	0.8253		11.5	10.0	15.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.095		12.0	10.0	20.0	30.0
Benzene	Ave	0.7411	0.8408		11.3	10.0	13.4	30.0
1,2-Dichloroethane	Ave	0.3676	0.4232		11.5	10.0	15.1	30.0
n-Heptane	Ave	0.2843	0.3335		11.7	10.0	17.3	30.0
n-Butanol	Ave	0.0932	0.0939		10.1	10.0	0.7	30.0
Trichloroethene	Ave	0.3803	0.4322		11.4	10.0	13.6	30.0
1,2-Dichloropropane	Ave	0.2205	0.2488		11.3	10.0	12.8	30.0
Methyl methacrylate	Ave	0.2470	0.2844		11.5	10.0	15.2	30.0
1,4-Dioxane	Ave	0.1219	0.1249		10.2	10.0	2.5	30.0
Dibromomethane	Ave	0.4271	0.4797		11.2	10.0	12.3	30.0
Bromodichloromethane	Ave	0.6064	0.7269		12.0	10.0	19.9	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4579		11.8	10.0	18.2	30.0
methyl isobutyl ketone	Ave	0.3478	0.4278		12.3	10.0	23.0	30.0
n-Octane	Ave	0.3628	0.4369		12.0	10.0	20.4	30.0
Toluene	Ave	0.6538	0.6977		10.7	10.0	6.7	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5042		11.8	10.0	18.5	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3084		10.4	10.0	4.0	30.0
Tetrachloroethene	Ave	0.7581	0.7970		10.5	10.0	5.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.3924		11.0	10.0	9.9	30.0
Dibromochloromethane	Ave	0.7797	0.9039		11.6	10.0	15.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.6723		10.8	10.0	8.1	30.0
Chlorobenzene	Ave	1.001	1.033		10.3	10.0	3.2	30.0
Ethylbenzene	Ave	1.495	1.632		10.9	10.0	9.2	30.0
n-Nonane	Ave	0.4915	0.5572		11.3	10.0	13.4	30.0
m,p-Xylene	Ave	0.5882	0.6332		21.5	20.0	7.7	30.0
Xylene, o-	Ave	0.5805	0.6344		10.9	10.0	9.3	30.0
Styrene	Ave	0.8448	0.9694		11.5	10.0	14.8	30.0
Bromoform	Ave	0.7636	0.8991		11.8	10.0	17.7	30.0
Cumene	Ave	1.801	2.022		11.2	10.0	12.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.8065		10.4	10.0	3.6	30.0
n-Propylbenzene	Ave	1.991	2.263		11.4	10.0	13.7	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.6618		10.7	10.0	6.7	30.0
n-Decane	Ave	0.6662	0.7412		11.1	10.0	11.3	30.0
4-Ethyltoluene	Ave	1.862	2.134		11.5	10.0	14.6	30.0
2-Chlorotoluene	Ave	1.566	1.727		11.0	10.0	10.3	30.0
1,3,5-Trimethylbenzene	Ave	1.707	1.838		10.8	10.0	7.7	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9000		12.1	10.0	21.1	30.0
tert-Butylbenzene	Ave	1.704	1.855		10.9	10.0	8.9	30.0
1,2,4-Trimethylbenzene	Ave	1.645	1.781		10.8	10.0	8.2	30.0
sec-Butylbenzene	Ave	2.299	2.536		11.0	10.0	10.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.294		11.3	10.0	12.8	30.0
1,3-Dichlorobenzene	Ave	1.109	1.186		10.7	10.0	6.9	30.0
1,4-Dichlorobenzene	Ave	1.062	1.148		10.8	10.0	8.1	30.0
Benzyl chloride	Ave	0.9058	1.055		11.6	10.0	16.4	30.0
n-Undecane	Ave	0.6729	0.7738		11.5	10.0	15.0	30.0
n-Butylbenzene	Ave	1.440	1.646		11.4	10.0	14.3	30.0
1,2-Dichlorobenzene	Ave	1.085	1.129		10.4	10.0	4.1	30.0
n-Dodecane	Ave	0.4982	0.5718		11.5	10.0	14.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6117		10.8	10.0	7.9	30.0
Hexachlorobutadiene	Ave	0.8601	0.9242		10.7	10.0	7.4	30.0
Naphthalene	Ave	1.056	1.362		12.9	10.0	29.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6460		12.3	10.0	22.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Lab Sample ID: CCV 200-67900/2 Calibration Date: 02/03/2014 12:59

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5954002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.6813		12.2	10.0	22.1	30.0
Dichlorodifluoromethane	Ave	3.843	4.608		12.0	10.0	19.9	30.0
Freon 22	Ave	1.484	1.746		11.8	10.0	17.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	3.785		10.6	10.0	6.0	30.0
Chloromethane	Ave	0.6564	0.8026		12.2	10.0	22.3	30.0
n-Butane	Ave	1.106	1.230		11.1	10.0	11.1	30.0
Vinyl chloride	Ave	0.8572	0.9889		11.5	10.0	15.4	30.0
1,3-Butadiene	Ave	0.5445	0.6644		12.2	10.0	22.0	30.0
Bromomethane	Ave	0.9530	1.119		11.7	10.0	17.4	30.0
Chloroethane	Ave	0.4543	0.6358		14.0	10.0	39.9*	30.0
Isopentane	Ave	0.8949	1.017		11.4	10.0	13.7	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.659		12.6	10.0	26.4	30.0
Trichlorofluoromethane	Ave	4.110	4.949		12.0	10.0	20.4	30.0
n-Pentane	Ave	1.382	1.515		11.0	10.0	9.6	30.0
Ethanol	Ave	0.2834	0.3075		16.3	15.0	8.5	30.0
Ethyl ether	Ave	0.7213	0.8015		11.1	10.0	11.1	30.0
Acrolein	Ave	0.3355	0.3364		10.0	10.0	0.3	30.0
Freon TF	Ave	2.653	3.150		11.9	10.0	18.7	30.0
1,1-Dichloroethene	Ave	1.216	1.479		12.2	10.0	21.7	30.0
Acetone	Ave	1.394	1.526		10.9	10.0	9.4	30.0
Carbon disulfide	Ave	3.166	3.282		10.4	10.0	3.6	30.0
Isopropyl alcohol	Ave	0.9889	1.385		14.0	10.0	40.0*	30.0
3-Chloropropene	Ave	0.8611	1.133		13.2	10.0	31.6*	30.0
Acetonitrile	Ave	0.4698	0.5490		11.7	10.0	16.9	30.0
Methylene Chloride	Ave	0.8253	1.015		12.3	10.0	23.0	30.0
tert-Butyl alcohol	Ave	1.929	2.540		13.2	10.0	31.7*	30.0
Methyl tert-butyl ether	Ave	3.333	4.360		13.1	10.0	30.8*	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.750		11.3	10.0	13.0	30.0
Acrylonitrile	Ave	0.5524	0.6737		12.2	10.0	22.0	30.0
n-Hexane	Ave	1.468	1.651		11.2	10.0	12.4	30.0
1,1-Dichloroethane	Ave	1.865	2.196		11.8	10.0	17.8	30.0
Vinyl acetate	Ave	1.986	2.423		12.2	10.0	22.0	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.613		12.4	10.0	23.8	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6565		11.8	10.0	17.7	30.0
Ethyl acetate	Ave	0.1187	0.1328		11.2	10.0	11.9	30.0
Tetrahydrofuran	Ave	0.1689	0.1987		11.8	10.0	17.6	30.0
Chloroform	Ave	2.820	3.348		11.9	10.0	18.7	30.0
Cyclohexane	Ave	0.3406	0.4185		12.3	10.0	22.9	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8280		12.2	10.0	22.4	30.0
Carbon tetrachloride	Ave	0.7161	0.9014		12.6	10.0	25.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Lab Sample ID: CCV 200-67900/2 Calibration Date: 02/03/2014 12:59

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5954002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.150		12.6	10.0	25.9	30.0
Benzene	Ave	0.7411	0.8838		11.9	10.0	19.3	30.0
1,2-Dichloroethane	Ave	0.3676	0.4374		11.9	10.0	19.0	30.0
n-Heptane	Ave	0.2843	0.3563		12.5	10.0	25.3	30.0
n-Butanol	Ave	0.0932	0.1220		13.1	10.0	30.8*	30.0
Trichloroethene	Ave	0.3803	0.4624		12.2	10.0	21.6	30.0
1,2-Dichloropropane	Ave	0.2205	0.2728		12.4	10.0	23.7	30.0
Methyl methacrylate	Ave	0.2470	0.3001		12.1	10.0	21.5	30.0
1,4-Dioxane	Ave	0.1219	0.1645		13.5	10.0	35.0*	30.0
Dibromomethane	Ave	0.4271	0.5309		12.4	10.0	24.3	30.0
Bromodichloromethane	Ave	0.6064	0.7713		12.7	10.0	27.2	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.5085		13.1	10.0	31.3*	30.0
methyl isobutyl ketone	Ave	0.3478	0.4718		13.6	10.0	35.7*	30.0
n-Octane	Ave	0.3628	0.4654		12.8	10.0	28.3	30.0
Toluene	Ave	0.6538	0.7727		11.8	10.0	18.2	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5607		13.2	10.0	31.8*	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3602		12.1	10.0	21.5	30.0
Tetrachloroethene	Ave	0.7581	0.9172		12.1	10.0	21.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.4678		13.1	10.0	31.0*	30.0
Dibromochloromethane	Ave	0.7797	1.048		13.4	10.0	34.4*	30.0
1,2-Dibromoethane	Ave	0.6221	0.7853		12.6	10.0	26.2	30.0
Chlorobenzene	Ave	1.001	1.189		11.9	10.0	18.8	30.0
Ethylbenzene	Ave	1.495	1.829		12.2	10.0	22.4	30.0
n-Nonane	Ave	0.4915	0.6172		12.6	10.0	25.6	30.0
m,p-Xylene	Ave	0.5882	0.7309		24.8	20.0	24.3	30.0
Xylene, o-	Ave	0.5805	0.7452		12.8	10.0	28.4	30.0
Styrene	Ave	0.8448	1.117		13.2	10.0	32.2*	30.0
Bromoform	Ave	0.7636	1.053		13.8	10.0	38.0*	30.0
Cumene	Ave	1.801	2.296		12.7	10.0	27.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.9471		12.2	10.0	21.7	30.0
n-Propylbenzene	Ave	1.991	2.549		12.8	10.0	28.0	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.7537		12.2	10.0	21.6	30.0
n-Decane	Ave	0.6662	0.8442		12.7	10.0	26.7	30.0
4-Ethyltoluene	Ave	1.862	2.333		12.5	10.0	25.3	30.0
2-Chlorotoluene	Ave	1.566	1.935		12.4	10.0	23.6	30.0
1,3,5-Trimethylbenzene	Ave	1.707	2.125		12.4	10.0	24.5	30.0
Alpha Methyl Styrene	Ave	0.7433	1.029		13.8	10.0	38.5*	30.0
tert-Butylbenzene	Ave	1.704	2.103		12.3	10.0	23.4	30.0
1,2,4-Trimethylbenzene	Ave	1.645	2.099		12.8	10.0	27.5	30.0
sec-Butylbenzene	Ave	2.299	2.872		12.5	10.0	25.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Lab Sample ID: CCV 200-67900/2 Calibration Date: 02/03/2014 12:59

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5954002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.600		12.8	10.0	27.9	30.0
1,3-Dichlorobenzene	Ave	1.109	1.419		12.8	10.0	27.9	30.0
1,4-Dichlorobenzene	Ave	1.062	1.396		13.1	10.0	31.5*	30.0
Benzyl chloride	Ave	0.9058	1.379		15.2	10.0	52.2*	30.0
n-Undecane	Ave	0.6729	0.8408		12.5	10.0	25.0	30.0
n-Butylbenzene	Ave	1.440	1.869		13.0	10.0	29.8	30.0
1,2-Dichlorobenzene	Ave	1.085	1.389		12.8	10.0	28.0	30.0
n-Dodecane	Ave	0.4982	0.5268		10.6	10.0	5.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6634		11.7	10.0	17.0	30.0
Hexachlorobutadiene	Ave	0.8601	1.062		12.3	10.0	23.4	30.0
Naphthalene	Ave	1.056	1.338		12.7	10.0	26.8	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6274		11.9	10.0	19.3	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Instrument ID: CHG.i Start Date: 01/10/2014 09:12

Analysis Batch Number: 67034 End Date: 01/10/2014 20:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-67034/1		01/10/2014 09:12	1	gin01.D	RTX-624 0.32(mm)
IC 200-67034/3		01/10/2014 10:43	1	gin03.D	RTX-624 0.32(mm)
IC 200-67034/4		01/10/2014 11:30	1	gin04.D	RTX-624 0.32(mm)
ZZZZZ		01/10/2014 12:17	1		RTX-624 0.32(mm)
IC 200-67034/6		01/10/2014 13:04	1	gin06.D	RTX-624 0.32(mm)
ICIS 200-67034/7		01/10/2014 13:50	1	gin07.D	RTX-624 0.32(mm)
IC 200-67034/8		01/10/2014 14:37	1	gin08.D	RTX-624 0.32(mm)
IC 200-67034/9		01/10/2014 15:24	1	gin09.D	RTX-624 0.32(mm)
IC 200-67034/10		01/10/2014 16:11	1	gin10.D	RTX-624 0.32(mm)
ZZZZZ		01/10/2014 16:58	1		RTX-624 0.32(mm)
VIBLK 200-67034/12		01/10/2014 17:44	1		RTX-624 0.32(mm)
ZZZZZ		01/10/2014 18:31	1		RTX-624 0.32(mm)
IC 200-67034/14		01/10/2014 19:18	1	gin14.D	RTX-624 0.32(mm)
ICV 200-67034/15		01/10/2014 20:05	1	gin15.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20525-1

SDG No.:

Instrument ID: CHG.i Start Date: 01/20/2014 09:13

Analysis Batch Number: 67338 End Date: 01/21/2014 08:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-67338/1		01/20/2014 09:13	1	5765001.D	RTX-624 0.32(mm)
CCVIS 200-67338/2		01/20/2014 10:00	1	5765002.D	RTX-624 0.32(mm)
LCS 200-67338/3		01/20/2014 10:49	1	5765003.D	RTX-624 0.32(mm)
MB 200-67338/4		01/20/2014 11:36	1	5765004.D	RTX-624 0.32(mm)
ZZZZZ		01/20/2014 12:36	0.2		RTX-624 0.32(mm)
ZZZZZ		01/20/2014 13:23	1		RTX-624 0.32(mm)
ZZZZZ		01/20/2014 14:11	1.5		RTX-624 0.32(mm)
ZZZZZ		01/20/2014 14:57	40.5		RTX-624 0.32(mm)
ZZZZZ		01/20/2014 15:45	10		RTX-624 0.32(mm)
ZZZZZ		01/20/2014 16:32	10		RTX-624 0.32(mm)
ZZZZZ		01/20/2014 17:19	1		RTX-624 0.32(mm)
ZZZZZ		01/20/2014 18:06	1		RTX-624 0.32(mm)
ZZZZZ		01/20/2014 18:53	1		RTX-624 0.32(mm)
ZZZZZ		01/20/2014 19:40	1		RTX-624 0.32(mm)
ZZZZZ		01/20/2014 20:27	1		RTX-624 0.32(mm)
ZZZZZ		01/20/2014 21:14	1		RTX-624 0.32(mm)
ZZZZZ		01/20/2014 22:01	1		RTX-624 0.32(mm)
ZZZZZ		01/20/2014 22:48	1		RTX-624 0.32(mm)
ZZZZZ		01/20/2014 23:36	128		RTX-624 0.32(mm)
ZZZZZ		01/21/2014 00:23	19.5		RTX-624 0.32(mm)
ZZZZZ		01/21/2014 01:10	10		RTX-624 0.32(mm)
ZZZZZ		01/21/2014 01:57	10		RTX-624 0.32(mm)
ZZZZZ		01/21/2014 02:44	1		RTX-624 0.32(mm)
ZZZZZ		01/21/2014 03:31	1		RTX-624 0.32(mm)
ZZZZZ		01/21/2014 04:18	1		RTX-624 0.32(mm)
ZZZZZ		01/21/2014 05:05	41.1		RTX-624 0.32(mm)
ZZZZZ		01/21/2014 05:52	20.6		RTX-624 0.32(mm)
200-20525-10	5641	01/21/2014 06:49	0.2	5765028.D	RTX-624 0.32(mm)
ZZZZZ		01/21/2014 07:47	0.2		RTX-624 0.32(mm)
ZZZZZ		01/21/2014 08:45	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Instrument ID: CHW.i Start Date: 12/12/2013 15:40

Analysis Batch Number: 65929 End Date: 12/13/2013 04:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-65929/1		12/12/2013 15:40	1	wak001.d	RTX-624 0.32(mm)
VIBLK 200-65929/2		12/12/2013 16:35	1		RTX-624 0.32(mm)
VIBLK 200-65929/3		12/12/2013 17:24	1		RTX-624 0.32(mm)
IC 200-65929/4		12/12/2013 18:12	1	wak004.d	RTX-624 0.32(mm)
IC 200-65929/5		12/12/2013 19:03	1	wak005.d	RTX-624 0.32(mm)
IC 200-65929/6		12/12/2013 19:52	1	wak006.d	RTX-624 0.32(mm)
IC 200-65929/7		12/12/2013 20:40	1	wak007.d	RTX-624 0.32(mm)
ICIS 200-65929/8		12/12/2013 21:29	1	wak008.d	RTX-624 0.32(mm)
IC 200-65929/9		12/12/2013 22:18	1	wak009.d	RTX-624 0.32(mm)
IC 200-65929/10		12/12/2013 23:07	1	wak010.d	RTX-624 0.32(mm)
IC 200-65929/11		12/12/2013 23:57	1	wak011.d	RTX-624 0.32(mm)
VIBLK 200-65929/12		12/13/2013 00:46	1		RTX-624 0.32(mm)
VIBLK 200-65929/13		12/13/2013 01:36	1		RTX-624 0.32(mm)
ICV 200-65929/14		12/13/2013 02:26	1	wak014.d	RTX-624 0.32(mm)
ZZZZZ		12/13/2013 03:16	1		RTX-624 0.32(mm)
VIBLK 200-65929/16		12/13/2013 04:06	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20736-1

SDG No.:

Instrument ID: CHW.i Start Date: 02/03/2014 12:05

Analysis Batch Number: 67900 End Date: 02/04/2014 07:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-67900/1		02/03/2014 12:05	1	5954001.d	RTX-624 0.32(mm)
CCV 200-67900/2		02/03/2014 12:59	1	5954002.d	RTX-624 0.32(mm)
LCS 200-67900/3		02/03/2014 13:51	1	5954003.d	RTX-624 0.32(mm)
MB 200-67900/4		02/03/2014 15:05	1	5954004.d	RTX-624 0.32(mm)
ZZZZZ		02/03/2014 16:07	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 16:57	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 17:47	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 18:47	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 19:37	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 20:27	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 21:17	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 22:07	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 22:57	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 23:47	1		RTX-624 0.32(mm)
ZZZZZ		02/04/2014 00:37	1		RTX-624 0.32(mm)
ZZZZZ		02/04/2014 01:28	1		RTX-624 0.32(mm)
ZZZZZ		02/04/2014 02:35	0.2		RTX-624 0.32(mm)
ZZZZZ		02/04/2014 03:42	0.2		RTX-624 0.32(mm)
ZZZZZ		02/04/2014 04:48	0.2		RTX-624 0.32(mm)
200-20736-4	4275	02/04/2014 05:55	0.2	20736-4.d	RTX-624 0.32(mm)
ZZZZZ		02/04/2014 07:03	0.2		RTX-624 0.32(mm)

TO-15

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Instrument ID: CHW.i Start Date: 12/12/2013 15:40

Analysis Batch Number: 65929 End Date: 12/13/2013 04:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-65929/1		12/12/2013 15:40	1	wak001.d	RTX-624 0.32(mm)
VIBLK 200-65929/2		12/12/2013 16:35	1		RTX-624 0.32(mm)
VIBLK 200-65929/3		12/12/2013 17:24	1		RTX-624 0.32(mm)
IC 200-65929/4		12/12/2013 18:12	1	wak004.d	RTX-624 0.32(mm)
IC 200-65929/5		12/12/2013 19:03	1	wak005.d	RTX-624 0.32(mm)
IC 200-65929/6		12/12/2013 19:52	1	wak006.d	RTX-624 0.32(mm)
IC 200-65929/7		12/12/2013 20:40	1	wak007.d	RTX-624 0.32(mm)
ICIS 200-65929/8		12/12/2013 21:29	1	wak008.d	RTX-624 0.32(mm)
IC 200-65929/9		12/12/2013 22:18	1	wak009.d	RTX-624 0.32(mm)
IC 200-65929/10		12/12/2013 23:07	1	wak010.d	RTX-624 0.32(mm)
IC 200-65929/11		12/12/2013 23:57	1	wak011.d	RTX-624 0.32(mm)
VIBLK 200-65929/12		12/13/2013 00:46	1		RTX-624 0.32(mm)
VIBLK 200-65929/13		12/13/2013 01:36	1		RTX-624 0.32(mm)
ICV 200-65929/14		12/13/2013 02:26	1	wak014.d	RTX-624 0.32(mm)
ZZZZZ		12/13/2013 03:16	1		RTX-624 0.32(mm)
VIBLK 200-65929/16		12/13/2013 04:06	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20748-1

SDG No.:

Instrument ID: CHW.i Start Date: 02/03/2014 12:05

Analysis Batch Number: 67900 End Date: 02/04/2014 07:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-67900/1		02/03/2014 12:05	1	5954001.d	RTX-624 0.32(mm)
CCV 200-67900/2		02/03/2014 12:59	1	5954002.d	RTX-624 0.32(mm)
LCS 200-67900/3		02/03/2014 13:51	1	5954003.d	RTX-624 0.32(mm)
MB 200-67900/4		02/03/2014 15:05	1	5954004.d	RTX-624 0.32(mm)
ZZZZZ		02/03/2014 16:07	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 16:57	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 17:47	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 18:47	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 19:37	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 20:27	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 21:17	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 22:07	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 22:57	1		RTX-624 0.32(mm)
ZZZZZ		02/03/2014 23:47	1		RTX-624 0.32(mm)
ZZZZZ		02/04/2014 00:37	1		RTX-624 0.32(mm)
ZZZZZ		02/04/2014 01:28	1		RTX-624 0.32(mm)
ZZZZZ		02/04/2014 02:35	0.2		RTX-624 0.32(mm)
ZZZZZ		02/04/2014 03:42	0.2		RTX-624 0.32(mm)
ZZZZZ		02/04/2014 04:48	0.2		RTX-624 0.32(mm)
ZZZZZ		02/04/2014 05:55	0.2		RTX-624 0.32(mm)
200-20748-2	4803	02/04/2014 07:03	0.2	20748-2.d	RTX-624 0.32(mm)

Shipping and Receiving Documents

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Jeffrey Bausteel	Samples Collected By: Chris Dawson	1 of 2 COCs
Company: ARCADIS	Phone: 518.727.9707		
Address: 855 Route 146 Suite 210	Email: jeffrey.bausteel@arcadis-us.com		
City/State/Zip Clifton Park, NY 12065			
Phone: 518.250.7300	Site Contact: Todd Carignan		
FAX: 518.250.7301	TA Contact: Dan Dawicki		
Project Name: SSDS	**Analysis Turnaround Time**		
Site: Lockheed Martin Utica	Standard (Specify) 10-day		
PO # NJ001043	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SDS-1	2/7/14	10:05	—	>30	8	—	2988	X											
SDS-2		10:12	—		8	—	2509	X											
SDS-3		9:45	—		8	—	4075	X											
SDS-4		9:57	—		8	—	2537	X											
SDS-5		9:31	—		8	—	2703	X											
SDS-6		9:21	—		8	—	2745	X											

Temperature (Fahrenheit)			
	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)			
	Interior	Ambient	
Start			
Stop			

200-20861 Chain of Custody

Special Instructions/QC Requirements & Comments:

Samples Shipped by: Chris Dawson	Date/Time: 2/7/14; 15:00	Samples Received by:
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time: 2/10/14 0930	Received by: FAB

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Jeffrey Bansteel	Samples Collected By: Chris Davern
Company: ARCADIS	Phone: 518.727.9707	2 of 2 COCs
Address: 855 Route 146 Suite 210	Email: jeffrey.bansteel@arcadis-us.com	
City/State/Zip Clifton Park, NY 12065		
Phone: 518.250.7300	Site Contact: Todd Carignan	
FAX: 518.250.7301	TA Contact: Dan Dawicki	
Project Name: SSDS	**Analysis Turnaround Time**	
Site: Lockheed Martin Utica	Standard (Specify) 10-day	
PO # NJ001043	Rush (Specify)	

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SDS-7	2/7/14	9:13	—	>30	7.5	—	4070	X											
SDS-8	↓	9:03	—	↓	8	—	4384	X											
SSDS Mid-Carbon		10:45	—		7.5	—	2710	X											
SSDS Effluent		10:30	—		7.5	—	4440	X											

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time: 2/7/14; 15:00	Samples Received by:
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time: 2/10/14 0930	Received by: TABULL

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

FedEx Express NEW Package US Airbill

FedEx Tracking Number 8046 0156 9728

Form ID No. 0200

1 From

Date 2/7/14 [redacted]

Sender's Name Chris Davern Phone 518 250-7300

Company ARCADIS

Address 855 Route 146 Suite 210 Dept./Floor/Suite/Room

City Clifton Park State NY ZIP 12065

2 Your Internal Billing Reference NJ001043.0001

3 To

Recipient's Name Sample Control Phone 802 660-1990

Company Test America Burlington

Address 30 Community Drive Suite 11 Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City South Burlington State VT ZIP 05403

☐ HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☒ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.

☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

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6 Special Handling and Delivery Signature Options

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☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recip. Acct. No. ☐

☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

[redacted]

Total Packages 4 Total Weight 114 lbs. [redacted] Credit Card Auth.

†Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 200-20861-1
SDG Number: 200-20861

Login Number: 20861
List Number: 1
Creator: Gagne, Eric M

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	NO SEALS
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	AMBIENT.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 200-21727-1

SDG Number: 200-21727

Job Description: LMC Utica

For:
Stantec Consulting Services Inc
61 Commercial Street
Rochester, NY 14614

Attention: Bob Mahoney



Approved for release.
Don C Dawicki
Manager of Project Management
4/18/2014 8:36 AM

Don C Dawicki, Manager of Project Management
30 Community Drive, South Burlington, VT, 05403
(802)660-1990
don.dawicki@testamericainc.com
04/18/2014

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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CASE NARRATIVE

Client: Stantec Consulting Services Inc

Project: LMC Utica

Report Number: 200-21727-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 04/05/2014; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS

Samples GCTS PRE CARBON, GCTS POST CARBON, GCTS MID CARBON, SDS-3, SDS-1, SDS-2, SDS-4, SDS-7, SDS-6, SDS-5, SDS-8, SSDS POST CARBON and SSDS MID CARBON were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 04/10/2014, 04/11/2014 and 04/12/2014.

The analyses for several samples within this delivery group yielded concentrations for Isopropyl Alcohol that exceeded the range of calibrated instrument response. These samples are being reported with an E flag for this compund in order to report lower reporting limits for other compounds.

The original analyses of samples SDS-1, SDS-7, SDS-5 and SDS-8 did yield concentrations for target analytes that exceeded the range of calibrated instrument response. These samples were diluted and re-analyzed yielding acceptable results. The results from both analyses have been formally presented.

No other difficulties were encountered during the VOC analysis.

All quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Instrument ID: CHC.i Analysis Batch Number: 69583

Lab Sample ID: IC 200-69583/3 Client Sample ID:

Date Analyzed: 03/18/14 09:42 Lab File ID: 6584_03.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	13.46	Baseline Event	desjardin sb	03/19/14 07:54

Lab Sample ID: IC 200-69583/4 Client Sample ID:

Date Analyzed: 03/18/14 10:34 Lab File ID: 6584_04.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	11.28	Baseline Event	desjardin sb	03/19/14 07:56
Heptane	12.45	Baseline Event	desjardin sb	03/19/14 07:56

Lab Sample ID: IC 200-69583/17 Client Sample ID:

Date Analyzed: 03/18/14 14:55 Lab File ID: 6584_17.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	11.29	Baseline Event	desjardin sb	03/19/14 07:47

Lab Sample ID: ICV 200-69583/13 Client Sample ID:

Date Analyzed: 03/18/14 19:09 Lab File ID: 6584_13.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	7.03	Peak not found by the data system	desjardin sb	03/19/14 08:23

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Instrument ID: CHC.i Analysis Batch Number: 70599

Lab Sample ID: LCS 200-70599/3 Client Sample ID:

Date Analyzed: 04/10/14 15:07 Lab File ID: 6977_03.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	11.29	Baseline Event	desjardin sb	04/10/14 15:55

Lab Sample ID: 200-21727-4 Client Sample ID: SDS-3

Date Analyzed: 04/10/14 21:13 Lab File ID: 6977_10.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Heptane	12.45	Baseline Event	desjardin sb	04/11/14 10:48

Lab Sample ID: 200-21727-5 Client Sample ID: SDS-1

Date Analyzed: 04/10/14 22:05 Lab File ID: 6977_11.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroform	11.05	Baseline Event	desjardin sb	04/11/14 10:51
1,1,1-Trichloroethane	11.33	Baseline Event	desjardin sb	04/11/14 10:51
Benzene	12.08	Baseline Event	desjardin sb	04/11/14 10:51

Lab Sample ID: 200-21727-6 Client Sample ID: SDS-2

Date Analyzed: 04/10/14 23:49 Lab File ID: 6977_13.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
trans-1,2-Dichloroethene	8.35	Baseline Event	desjardin sb	04/11/14 10:57

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Instrument ID: CHC.i Analysis Batch Number: 70599

Lab Sample ID: 200-21727-7 Client Sample ID: SDS-4

Date Analyzed: 04/11/14 00:42 Lab File ID: 6977_14.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroform	11.05	Baseline Event	desjardin sb	04/11/14 11:00

Lab Sample ID: 200-21727-8 Client Sample ID: SDS-7

Date Analyzed: 04/11/14 01:34 Lab File ID: 6977_15.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	10.41	Baseline Event	desjardin sb	04/11/14 11:04
1,1,1-Trichloroethane	11.32	Baseline Event	desjardin sb	04/11/14 11:04
Heptane	12.45	Peak not found by the data system	desjardin sb	04/11/14 11:04

Lab Sample ID: 200-21727-8 DL Client Sample ID: SDS-7 DL

Date Analyzed: 04/11/14 02:26 Lab File ID: 6977_16.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	11.28	Baseline Event	desjardin sb	04/11/14 11:08
1,1,1-Trichloroethane	11.33	Baseline Event	desjardin sb	04/11/14 11:08

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Instrument ID: CHC.i Analysis Batch Number: 70599

Lab Sample ID: 200-21727-10 DL Client Sample ID: SDS-5 DL

Date Analyzed: 04/11/14 05:55 Lab File ID: 6977_20.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 11	5.58	Baseline Event	desjardin sb	04/11/14 11:43
Cyclohexane	11.28	Baseline Event	desjardin sb	04/11/14 11:43
1,1,1-Trichloroethane	11.33	Baseline Event	desjardin sb	04/11/14 11:43
Heptane	12.46	Baseline Event	desjardin sb	04/11/14 11:43
Xylene, o-	20.40	Baseline Event	desjardin sb	04/11/14 11:43

Lab Sample ID: 200-21727-11 Client Sample ID: SDS-8

Date Analyzed: 04/11/14 06:47 Lab File ID: 6977_21.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.70	Baseline Event	desjardin sb	04/11/14 11:47
4-Ethyltoluene	21.88	Baseline Event	desjardin sb	04/11/14 11:47
1,3,5-Trimethylbenzene	21.98	Baseline Event	desjardin sb	04/11/14 11:47

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Instrument ID: CHC.i Analysis Batch Number: 70599

Lab Sample ID: 200-21727-13 Client Sample ID: SSDS MID CARBON

Date Analyzed: 04/11/14 09:24 Lab File ID: 6977_24.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	7.14	Baseline Event	desjardin sb	04/11/14 11:54
trans-1,2-Dichloroethene	8.34	Baseline Event	desjardin sb	04/11/14 11:54
Cyclohexane	11.27	Baseline Event	desjardin sb	04/11/14 11:54

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Instrument ID: CHC.i Analysis Batch Number: 70660

Lab Sample ID: 200-21727-9 Client Sample ID: SDS-6

Date Analyzed: 04/12/14 04:13 Lab File ID: 7002_20.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1-Trichloroethane	11.32	Peak not found by the data system	desjardin sb	04/14/14 08:29

SAMPLE SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-21727-1	GCTS PRE CARBON	Air	04/04/2014 0940	04/05/2014 1010
200-21727-2	GCTS POST CARBON	Air	04/04/2014 0926	04/05/2014 1010
200-21727-3	GCTS MID CARBON	Air	04/04/2014 0930	04/05/2014 1010
200-21727-4	SDS-3	Air	04/04/2014 1445	04/05/2014 1010
200-21727-5	SDS-1	Air	04/04/2014 1455	04/05/2014 1010
200-21727-6	SDS-2	Air	04/04/2014 1515	04/05/2014 1010
200-21727-7	SDS-4	Air	04/04/2014 1405	04/05/2014 1010
200-21727-8	SDS-7	Air	04/04/2014 1530	04/05/2014 1010
200-21727-9	SDS-6	Air	04/04/2014 1540	04/05/2014 1010
200-21727-10	SDS-5	Air	04/04/2014 1550	04/05/2014 1010
200-21727-11	SDS-8	Air	04/04/2014 1525	04/05/2014 1010
200-21727-12	SSDS POST CARBON	Air	04/04/2014 1135	04/05/2014 1010
200-21727-13	SSDS MID CARBON	Air	04/04/2014 1125	04/05/2014 1010

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-21727-1	**GCTS PRE CARBON**					
Freon 12		0.47	J	0.50	ppb v/v	TO-15
Freon 12		2.3	J	2.5	ug/m3	TO-15
Freon 22		0.25	J	0.50	ppb v/v	TO-15
Freon 22		0.89	J	1.8	ug/m3	TO-15
Chloromethane		0.49	J	0.50	ppb v/v	TO-15
Chloromethane		1.0	J	1.0	ug/m3	TO-15
Vinyl chloride		0.48		0.040	ppb v/v	TO-15
Vinyl chloride		1.2		0.10	ug/m3	TO-15
Chloroethane		0.19	J	0.50	ppb v/v	TO-15
Chloroethane		0.49	J	1.3	ug/m3	TO-15
Freon 11		0.23		0.20	ppb v/v	TO-15
Freon 11		1.3		1.1	ug/m3	TO-15
Freon 113		4.0		0.20	ppb v/v	TO-15
Freon 113		31		1.5	ug/m3	TO-15
1,1-Dichloroethene		0.099	J	0.20	ppb v/v	TO-15
1,1-Dichloroethene		0.39	J	0.79	ug/m3	TO-15
Acetone		2.3	J	5.0	ppb v/v	TO-15
Acetone		5.4	J	12	ug/m3	TO-15
Isopropyl alcohol		0.47	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		1.1	J	12	ug/m3	TO-15
Methylene Chloride		0.33	J	0.50	ppb v/v	TO-15
Methylene Chloride		1.1	J	1.7	ug/m3	TO-15
trans-1,2-Dichloroethene		0.093	J	0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		0.37	J	0.79	ug/m3	TO-15
1,1-Dichloroethane		3.6		0.20	ppb v/v	TO-15
1,1-Dichloroethane		15		0.81	ug/m3	TO-15
Methyl Ethyl Ketone		0.56		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.6		1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		23		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		89		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		23		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		92		0.79	ug/m3	TO-15
Chloroform		0.088	J	0.20	ppb v/v	TO-15
Chloroform		0.43	J	0.98	ug/m3	TO-15
Carbon tetrachloride		0.064		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.40		0.25	ug/m3	TO-15
Benzene		0.10	J	0.20	ppb v/v	TO-15
Benzene		0.32	J	0.64	ug/m3	TO-15
Trichloroethene		23		0.040	ppb v/v	TO-15
Trichloroethene		130		0.21	ug/m3	TO-15
methyl isobutyl ketone		0.18	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.74	J	2.0	ug/m3	TO-15
Toluene		0.14	J	0.20	ppb v/v	TO-15
Toluene		0.52	J	0.75	ug/m3	TO-15
Tetrachloroethene		21		0.20	ppb v/v	TO-15
Tetrachloroethene		140		1.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Ethylbenzene		0.27		0.20	ppb v/v	TO-15
Ethylbenzene		1.2		0.87	ug/m3	TO-15
m,p-Xylene		1.0		0.50	ppb v/v	TO-15
m,p-Xylene		4.4		2.2	ug/m3	TO-15
Xylene, o-		0.25		0.20	ppb v/v	TO-15
Xylene, o-		1.1		0.87	ug/m3	TO-15
Xylene (total)		1.3		0.20	ppb v/v	TO-15
Xylene (total)		5.4		0.87	ug/m3	TO-15
Styrene		0.020	J	0.20	ppb v/v	TO-15
Styrene		0.084	J	0.85	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.014	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.069	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.041	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.20	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-21727-2	**GCTS POST CARBON**					
Freon 12		0.54		0.50	ppb v/v	TO-15
Freon 12		2.7		2.5	ug/m3	TO-15
Freon 22		0.38	J	0.50	ppb v/v	TO-15
Freon 22		1.3	J	1.8	ug/m3	TO-15
Chloromethane		0.56		0.50	ppb v/v	TO-15
Chloromethane		1.2		1.0	ug/m3	TO-15
n-Butane		0.38	J	0.50	ppb v/v	TO-15
n-Butane		0.90	J	1.2	ug/m3	TO-15
Vinyl chloride		0.57		0.040	ppb v/v	TO-15
Vinyl chloride		1.4		0.10	ug/m3	TO-15
Freon 11		0.085	J	0.20	ppb v/v	TO-15
Freon 11		0.48	J	1.1	ug/m3	TO-15
Freon 113		0.047	J	0.20	ppb v/v	TO-15
Freon 113		0.36	J	1.5	ug/m3	TO-15
Acetone		2.1	J	5.0	ppb v/v	TO-15
Acetone		4.9	J	12	ug/m3	TO-15
Isopropyl alcohol		0.26	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		0.64	J	12	ug/m3	TO-15
Carbon disulfide		0.10	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.32	J	1.6	ug/m3	TO-15
Methylene Chloride		0.21	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.74	J	1.7	ug/m3	TO-15
1,1-Dichloroethane		0.33		0.20	ppb v/v	TO-15
1,1-Dichloroethane		1.3		0.81	ug/m3	TO-15
Methyl Ethyl Ketone		0.33	J	0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		0.99	J	1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		0.52		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		2.0		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		0.52		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		2.1		0.79	ug/m3	TO-15
methyl isobutyl ketone		0.082	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.34	J	2.0	ug/m3	TO-15
Toluene		0.035	J	0.20	ppb v/v	TO-15
Toluene		0.13	J	0.75	ug/m3	TO-15
Tetrachloroethene		0.029	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.20	J	1.4	ug/m3	TO-15
Ethylbenzene		0.11	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.47	J	0.87	ug/m3	TO-15
m,p-Xylene		0.37	J	0.50	ppb v/v	TO-15
m,p-Xylene		1.6	J	2.2	ug/m3	TO-15
Xylene, o-		0.080	J	0.20	ppb v/v	TO-15
Xylene, o-		0.35	J	0.87	ug/m3	TO-15
Xylene (total)		0.45		0.20	ppb v/v	TO-15
Xylene (total)		2.0		0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-21727-3	**GCTS MID CARBON**					
Freon 12		0.55		0.50	ppb v/v	TO-15
Freon 12		2.7		2.5	ug/m3	TO-15
Freon 22		0.40	J	0.50	ppb v/v	TO-15
Freon 22		1.4	J	1.8	ug/m3	TO-15
Chloromethane		0.61		0.50	ppb v/v	TO-15
Chloromethane		1.3		1.0	ug/m3	TO-15
n-Butane		0.85		0.50	ppb v/v	TO-15
n-Butane		2.0		1.2	ug/m3	TO-15
Vinyl chloride		0.50		0.040	ppb v/v	TO-15
Vinyl chloride		1.3		0.10	ug/m3	TO-15
Freon 11		0.20		0.20	ppb v/v	TO-15
Freon 11		1.1		1.1	ug/m3	TO-15
Freon 113		0.090	J	0.20	ppb v/v	TO-15
Freon 113		0.69	J	1.5	ug/m3	TO-15
Isopropyl alcohol		0.31	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		0.77	J	12	ug/m3	TO-15
Methylene Chloride		0.31	J	0.50	ppb v/v	TO-15
Methylene Chloride		1.1	J	1.7	ug/m3	TO-15
1,1-Dichloroethane		0.46		0.20	ppb v/v	TO-15
1,1-Dichloroethane		1.9		0.81	ug/m3	TO-15
cis-1,2-Dichloroethene		5.0		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		20		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		5.0		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		20		0.79	ug/m3	TO-15
methyl isobutyl ketone		0.16	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.65	J	2.0	ug/m3	TO-15
Toluene		0.10	J	0.20	ppb v/v	TO-15
Toluene		0.38	J	0.75	ug/m3	TO-15
Tetrachloroethene		0.039	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.26	J	1.4	ug/m3	TO-15
Ethylbenzene		0.26		0.20	ppb v/v	TO-15
Ethylbenzene		1.1		0.87	ug/m3	TO-15
m,p-Xylene		0.97		0.50	ppb v/v	TO-15
m,p-Xylene		4.2		2.2	ug/m3	TO-15
Xylene, o-		0.26		0.20	ppb v/v	TO-15
Xylene, o-		1.1		0.87	ug/m3	TO-15
Xylene (total)		1.2		0.20	ppb v/v	TO-15
Xylene (total)		5.3		0.87	ug/m3	TO-15
4-Ethyltoluene		0.021	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.10	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.036	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.18	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.077	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.38	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-21727-4	**SDS-3**					
Freon 12		0.48	J	0.50	ppb v/v	TO-15
Freon 12		2.4	J	2.5	ug/m3	TO-15
Freon 22		0.54		0.50	ppb v/v	TO-15
Freon 22		1.9		1.8	ug/m3	TO-15
Chloromethane		0.39	J	0.50	ppb v/v	TO-15
Chloromethane		0.80	J	1.0	ug/m3	TO-15
n-Butane		0.43	J	0.50	ppb v/v	TO-15
n-Butane		1.0	J	1.2	ug/m3	TO-15
1,3-Butadiene		0.10	J	0.20	ppb v/v	TO-15
1,3-Butadiene		0.22	J	0.44	ug/m3	TO-15
Freon 11		0.22		0.20	ppb v/v	TO-15
Freon 11		1.3		1.1	ug/m3	TO-15
Freon 113		0.14	J	0.20	ppb v/v	TO-15
Freon 113		1.0	J	1.5	ug/m3	TO-15
Acetone		8.7		5.0	ppb v/v	TO-15
Acetone		21		12	ug/m3	TO-15
Isopropyl alcohol		41	E	5.0	ppb v/v	TO-15
Isopropyl alcohol		100	E	12	ug/m3	TO-15
Carbon disulfide		0.14	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.43	J	1.6	ug/m3	TO-15
Methylene Chloride		19		0.50	ppb v/v	TO-15
Methylene Chloride		66		1.7	ug/m3	TO-15
trans-1,2-Dichloroethene		0.76		0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		3.0		0.79	ug/m3	TO-15
Hexane		0.37		0.20	ppb v/v	TO-15
Hexane		1.3		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.45	J	0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.3	J	1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		0.17	J	0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		0.68	J	0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		0.93		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		3.7		0.79	ug/m3	TO-15
Chloroform		0.091	J	0.20	ppb v/v	TO-15
Chloroform		0.44	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.52	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.5	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.038	J	0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		0.21	J	1.1	ug/m3	TO-15
Cyclohexane		1.1		0.20	ppb v/v	TO-15
Cyclohexane		3.8		0.69	ug/m3	TO-15
Carbon tetrachloride		0.074		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.46		0.25	ug/m3	TO-15
Benzene		0.17	J	0.20	ppb v/v	TO-15
Benzene		0.56	J	0.64	ug/m3	TO-15
Heptane		0.29		0.20	ppb v/v	TO-15
Heptane		1.2		0.82	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
Trichloroethene	3.4		0.040	ppb v/v	TO-15
Trichloroethene	18		0.21	ug/m3	TO-15
methyl isobutyl ketone	0.10	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone	0.43	J	2.0	ug/m3	TO-15
Toluene	0.58		0.20	ppb v/v	TO-15
Toluene	2.2		0.75	ug/m3	TO-15
Tetrachloroethene	2.2		0.20	ppb v/v	TO-15
Tetrachloroethene	15		1.4	ug/m3	TO-15
Ethylbenzene	0.18	J	0.20	ppb v/v	TO-15
Ethylbenzene	0.80	J	0.87	ug/m3	TO-15
m,p-Xylene	0.64		0.50	ppb v/v	TO-15
m,p-Xylene	2.8		2.2	ug/m3	TO-15
Xylene, o-	0.21		0.20	ppb v/v	TO-15
Xylene, o-	0.90		0.87	ug/m3	TO-15
Xylene (total)	0.85		0.20	ppb v/v	TO-15
Xylene (total)	3.7		0.87	ug/m3	TO-15
Styrene	0.067	J	0.20	ppb v/v	TO-15
Styrene	0.29	J	0.85	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.057	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene	0.28	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.088	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene	0.43	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-21727-5	**SDS-1**					
Freon 12		5.6		0.50	ppb v/v	TO-15
Freon 12		28		2.5	ug/m3	TO-15
Freon 22		0.30	J	0.50	ppb v/v	TO-15
Freon 22		1.0	J	1.8	ug/m3	TO-15
Chloromethane		0.16	J	0.50	ppb v/v	TO-15
Chloromethane		0.34	J	1.0	ug/m3	TO-15
Freon 11		0.72		0.20	ppb v/v	TO-15
Freon 11		4.0		1.1	ug/m3	TO-15
Freon 113		0.12	J	0.20	ppb v/v	TO-15
Freon 113		0.90	J	1.5	ug/m3	TO-15
Acetone		5.0		5.0	ppb v/v	TO-15
Acetone		12		12	ug/m3	TO-15
Isopropyl alcohol		11		5.0	ppb v/v	TO-15
Isopropyl alcohol		26		12	ug/m3	TO-15
Carbon disulfide		2.1		0.50	ppb v/v	TO-15
Carbon disulfide		6.4		1.6	ug/m3	TO-15
Methylene Chloride		1.1		0.50	ppb v/v	TO-15
Methylene Chloride		3.8		1.7	ug/m3	TO-15
trans-1,2-Dichloroethene		1.3		0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		5.2		0.79	ug/m3	TO-15
Hexane		0.051	J	0.20	ppb v/v	TO-15
Hexane		0.18	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.3		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.9		1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		1.9		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		7.4		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		3.2		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		13		0.79	ug/m3	TO-15
Chloroform		0.14	J	0.20	ppb v/v	TO-15
Chloroform		0.67	J	0.98	ug/m3	TO-15
1,1,1-Trichloroethane		0.031	J	0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		0.17	J	1.1	ug/m3	TO-15
Cyclohexane		4.4		0.20	ppb v/v	TO-15
Cyclohexane		15		0.69	ug/m3	TO-15
Carbon tetrachloride		0.069		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.43		0.25	ug/m3	TO-15
Benzene		0.072	J	0.20	ppb v/v	TO-15
Benzene		0.23	J	0.64	ug/m3	TO-15
Trichloroethene		5.1		0.040	ppb v/v	TO-15
Trichloroethene		27		0.21	ug/m3	TO-15
methyl isobutyl ketone		0.19	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.78	J	2.0	ug/m3	TO-15
Toluene		0.50		0.20	ppb v/v	TO-15
Toluene		1.9		0.75	ug/m3	TO-15
Tetrachloroethene		98	D	0.50	ppb v/v	TO-15
Tetrachloroethene		660	D	3.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Ethylbenzene		0.24		0.20	ppb v/v	TO-15
Ethylbenzene		1.0		0.87	ug/m3	TO-15
m,p-Xylene		0.78		0.50	ppb v/v	TO-15
m,p-Xylene		3.4		2.2	ug/m3	TO-15
Xylene, o-		0.21		0.20	ppb v/v	TO-15
Xylene, o-		0.93		0.87	ug/m3	TO-15
Xylene (total)		0.99		0.20	ppb v/v	TO-15
Xylene (total)		4.3		0.87	ug/m3	TO-15
Styrene		0.055	J	0.20	ppb v/v	TO-15
Styrene		0.24	J	0.85	ug/m3	TO-15
4-Ethyltoluene		0.023	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.11	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.020	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.099	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.057	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.28	J	0.98	ug/m3	TO-15
1,3-Dichlorobenzene		0.014	J	0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		0.085	J	1.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-21727-6	**SDS-2**					
Freon 12		3.7		0.50	ppb v/v	TO-15
Freon 12		18		2.5	ug/m3	TO-15
Chloromethane		0.35	J	0.50	ppb v/v	TO-15
Chloromethane		0.72	J	1.0	ug/m3	TO-15
Freon 11		0.86		0.20	ppb v/v	TO-15
Freon 11		4.8		1.1	ug/m3	TO-15
Freon 113		0.092	J	0.20	ppb v/v	TO-15
Freon 113		0.70	J	1.5	ug/m3	TO-15
Acetone		6.3		5.0	ppb v/v	TO-15
Acetone		15		12	ug/m3	TO-15
Isopropyl alcohol		60	E	5.0	ppb v/v	TO-15
Isopropyl alcohol		150	E	12	ug/m3	TO-15
Methylene Chloride		1.3		0.50	ppb v/v	TO-15
Methylene Chloride		4.4		1.7	ug/m3	TO-15
trans-1,2-Dichloroethene		0.18	J	0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		0.71	J	0.79	ug/m3	TO-15
Hexane		0.094	J	0.20	ppb v/v	TO-15
Hexane		0.33	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.76		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.2		1.5	ug/m3	TO-15
1,2-Dichloroethene, Total		0.18	J	0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		0.71	J	0.79	ug/m3	TO-15
Chloroform		0.15	J	0.20	ppb v/v	TO-15
Chloroform		0.75	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.15	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.44	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		2.1		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		12		1.1	ug/m3	TO-15
Cyclohexane		3.8		0.20	ppb v/v	TO-15
Cyclohexane		13		0.69	ug/m3	TO-15
Carbon tetrachloride		0.061		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.38		0.25	ug/m3	TO-15
Benzene		0.065	J	0.20	ppb v/v	TO-15
Benzene		0.21	J	0.64	ug/m3	TO-15
Trichloroethene		3.3		0.040	ppb v/v	TO-15
Trichloroethene		18		0.21	ug/m3	TO-15
methyl isobutyl ketone		0.13	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.53	J	2.0	ug/m3	TO-15
Toluene		0.18	J	0.20	ppb v/v	TO-15
Toluene		0.68	J	0.75	ug/m3	TO-15
Tetrachloroethene		7.6		0.20	ppb v/v	TO-15
Tetrachloroethene		52		1.4	ug/m3	TO-15
Ethylbenzene		0.18	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.78	J	0.87	ug/m3	TO-15
m,p-Xylene		0.52		0.50	ppb v/v	TO-15
m,p-Xylene		2.3		2.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-		0.13	J	0.20	ppb v/v	TO-15
Xylene, o-		0.59	J	0.87	ug/m3	TO-15
Xylene (total)		0.65		0.20	ppb v/v	TO-15
Xylene (total)		2.8		0.87	ug/m3	TO-15
Styrene		0.085	J	0.20	ppb v/v	TO-15
Styrene		0.36	J	0.85	ug/m3	TO-15
4-Ethyltoluene		0.032	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.16	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.023	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.11	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.067	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.33	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-21727-7	**SDS-4**					
Freon 12		0.48	J	0.50	ppb v/v	TO-15
Freon 12		2.4	J	2.5	ug/m3	TO-15
Freon 22		0.31	J	0.50	ppb v/v	TO-15
Freon 22		1.1	J	1.8	ug/m3	TO-15
Chloromethane		0.43	J	0.50	ppb v/v	TO-15
Chloromethane		0.89	J	1.0	ug/m3	TO-15
n-Butane		0.51		0.50	ppb v/v	TO-15
n-Butane		1.2		1.2	ug/m3	TO-15
1,3-Butadiene		0.12	J	0.20	ppb v/v	TO-15
1,3-Butadiene		0.26	J	0.44	ug/m3	TO-15
Freon 11		0.24		0.20	ppb v/v	TO-15
Freon 11		1.3		1.1	ug/m3	TO-15
Freon 113		0.12	J	0.20	ppb v/v	TO-15
Freon 113		0.88	J	1.5	ug/m3	TO-15
Acetone		26		5.0	ppb v/v	TO-15
Acetone		61		12	ug/m3	TO-15
Isopropyl alcohol		55	E	5.0	ppb v/v	TO-15
Isopropyl alcohol		140	E	12	ug/m3	TO-15
Carbon disulfide		0.087	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.27	J	1.6	ug/m3	TO-15
Methylene Chloride		5.3		0.50	ppb v/v	TO-15
Methylene Chloride		18		1.7	ug/m3	TO-15
trans-1,2-Dichloroethene		0.40		0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		1.6		0.79	ug/m3	TO-15
Hexane		0.19	J	0.20	ppb v/v	TO-15
Hexane		0.69	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.80		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.3		1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		0.35		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		1.4		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		0.75		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		3.0		0.79	ug/m3	TO-15
Chloroform		0.071	J	0.20	ppb v/v	TO-15
Chloroform		0.35	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.31	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.92	J	15	ug/m3	TO-15
Cyclohexane		3.4		0.20	ppb v/v	TO-15
Cyclohexane		12		0.69	ug/m3	TO-15
Carbon tetrachloride		0.066		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.41		0.25	ug/m3	TO-15
Benzene		0.12	J	0.20	ppb v/v	TO-15
Benzene		0.37	J	0.64	ug/m3	TO-15
Heptane		0.22		0.20	ppb v/v	TO-15
Heptane		0.90		0.82	ug/m3	TO-15
Trichloroethene		1.9		0.040	ppb v/v	TO-15
Trichloroethene		10		0.21	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
methyl isobutyl ketone		0.14	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.58	J	2.0	ug/m3	TO-15
Toluene		0.47		0.20	ppb v/v	TO-15
Toluene		1.8		0.75	ug/m3	TO-15
Tetrachloroethene		20		0.20	ppb v/v	TO-15
Tetrachloroethene		140		1.4	ug/m3	TO-15
Ethylbenzene		0.37		0.20	ppb v/v	TO-15
Ethylbenzene		1.6		0.87	ug/m3	TO-15
m,p-Xylene		0.79		0.50	ppb v/v	TO-15
m,p-Xylene		3.4		2.2	ug/m3	TO-15
Xylene, o-		0.61		0.20	ppb v/v	TO-15
Xylene, o-		2.7		0.87	ug/m3	TO-15
Xylene (total)		1.4		0.20	ppb v/v	TO-15
Xylene (total)		6.1		0.87	ug/m3	TO-15
Styrene		0.13	J	0.20	ppb v/v	TO-15
Styrene		0.56	J	0.85	ug/m3	TO-15
4-Ethyltoluene		0.097	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.48	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.32		0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		1.6		0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.19	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.94	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.77		0.20	ppb v/v	TO-15
4-Isopropyltoluene		4.2		1.1	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-21727-8	**SDS-7**					
Freon 12		0.47	J	0.50	ppb v/v	TO-15
Freon 12		2.3	J	2.5	ug/m3	TO-15
Freon 22		0.60		0.50	ppb v/v	TO-15
Freon 22		2.1		1.8	ug/m3	TO-15
Chloromethane		0.43	J	0.50	ppb v/v	TO-15
Chloromethane		0.89	J	1.0	ug/m3	TO-15
Chloroethane		0.15	J	0.50	ppb v/v	TO-15
Chloroethane		0.40	J	1.3	ug/m3	TO-15
Freon 11		0.22		0.20	ppb v/v	TO-15
Freon 11		1.2		1.1	ug/m3	TO-15
Freon 113		0.069	J	0.20	ppb v/v	TO-15
Freon 113		0.53	J	1.5	ug/m3	TO-15
Acetone		83	D	15	ppb v/v	TO-15
Acetone		200	D	36	ug/m3	TO-15
Isopropyl alcohol		93	D	15	ppb v/v	TO-15
Isopropyl alcohol		230	D	37	ug/m3	TO-15
Carbon disulfide		10		0.50	ppb v/v	TO-15
Carbon disulfide		32		1.6	ug/m3	TO-15
Methylene Chloride		24		0.50	ppb v/v	TO-15
Methylene Chloride		82		1.7	ug/m3	TO-15
trans-1,2-Dichloroethene		1.1		0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		4.3		0.79	ug/m3	TO-15
Hexane		1.2		0.20	ppb v/v	TO-15
Hexane		4.2		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		13		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		38		1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		0.059	J	0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		0.23	J	0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		1.2		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		4.6		0.79	ug/m3	TO-15
Tetrahydrofuran		14		5.0	ppb v/v	TO-15
Tetrahydrofuran		41		15	ug/m3	TO-15
1,1,1-Trichloroethane		0.088	J	0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		0.48	J	1.1	ug/m3	TO-15
Cyclohexane		0.84		0.20	ppb v/v	TO-15
Cyclohexane		2.9		0.69	ug/m3	TO-15
Carbon tetrachloride		0.061		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.39		0.25	ug/m3	TO-15
Benzene		0.50		0.20	ppb v/v	TO-15
Benzene		1.6		0.64	ug/m3	TO-15
Heptane		1.9		0.20	ppb v/v	TO-15
Heptane		7.7		0.82	ug/m3	TO-15
Trichloroethene		0.32		0.040	ppb v/v	TO-15
Trichloroethene		1.7		0.21	ug/m3	TO-15
Methyl methacrylate		0.49	J	0.50	ppb v/v	TO-15
Methyl methacrylate		2.0	J	2.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
1,4-Dioxane		0.81	J	5.0	ppb v/v	TO-15
1,4-Dioxane		2.9	J	18	ug/m3	TO-15
methyl isobutyl ketone		0.91		0.50	ppb v/v	TO-15
methyl isobutyl ketone		3.7		2.0	ug/m3	TO-15
Toluene		3.3		0.20	ppb v/v	TO-15
Toluene		12		0.75	ug/m3	TO-15
Tetrachloroethene		0.60		0.20	ppb v/v	TO-15
Tetrachloroethene		4.0		1.4	ug/m3	TO-15
Ethylbenzene		1.0		0.20	ppb v/v	TO-15
Ethylbenzene		4.3		0.87	ug/m3	TO-15
m,p-Xylene		3.8		0.50	ppb v/v	TO-15
m,p-Xylene		17		2.2	ug/m3	TO-15
Xylene, o-		1.2		0.20	ppb v/v	TO-15
Xylene, o-		5.1		0.87	ug/m3	TO-15
Xylene (total)		5.0		0.20	ppb v/v	TO-15
Xylene (total)		22		0.87	ug/m3	TO-15
Styrene		0.096	J	0.20	ppb v/v	TO-15
Styrene		0.41	J	0.85	ug/m3	TO-15
n-Propylbenzene		0.41		0.20	ppb v/v	TO-15
n-Propylbenzene		2.0		0.98	ug/m3	TO-15
4-Ethyltoluene		0.68		0.20	ppb v/v	TO-15
4-Ethyltoluene		3.3		0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.72		0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		3.6		0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		3.9		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		19		0.98	ug/m3	TO-15
4-Isopropyltoluene		6.9		0.20	ppb v/v	TO-15
4-Isopropyltoluene		38		1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.096	J	0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		0.58	J	1.2	ug/m3	TO-15
1,4-Dichlorobenzene		0.026	J	0.20	ppb v/v	TO-15
1,4-Dichlorobenzene		0.15	J	1.2	ug/m3	TO-15
Naphthalene		0.39	J	0.50	ppb v/v	TO-15
Naphthalene		2.1	J	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-21727-9	**SDS-6**					
Freon 12		0.43	J	1.0	ppb v/v	TO-15
Freon 12		2.1	J	4.9	ug/m3	TO-15
Freon 22		1.4		1.0	ppb v/v	TO-15
Freon 22		5.0		3.5	ug/m3	TO-15
Chloromethane		0.49	J	1.0	ppb v/v	TO-15
Chloromethane		1.0	J	2.1	ug/m3	TO-15
n-Butane		1.2		1.0	ppb v/v	TO-15
n-Butane		2.8		2.4	ug/m3	TO-15
Freon 11		0.24	J	0.40	ppb v/v	TO-15
Freon 11		1.3	J	2.2	ug/m3	TO-15
Freon 113		0.090	J	0.40	ppb v/v	TO-15
Freon 113		0.69	J	3.1	ug/m3	TO-15
Acetone		14		10	ppb v/v	TO-15
Acetone		32		24	ug/m3	TO-15
Isopropyl alcohol		540	E	10	ppb v/v	TO-15
Isopropyl alcohol		1300	E	25	ug/m3	TO-15
Carbon disulfide		0.24	J	1.0	ppb v/v	TO-15
Carbon disulfide		0.74	J	3.1	ug/m3	TO-15
Methylene Chloride		76		1.0	ppb v/v	TO-15
Methylene Chloride		260		3.5	ug/m3	TO-15
trans-1,2-Dichloroethene		1.3		0.40	ppb v/v	TO-15
trans-1,2-Dichloroethene		5.3		1.6	ug/m3	TO-15
Hexane		1.7		0.40	ppb v/v	TO-15
Hexane		6.1		1.4	ug/m3	TO-15
1,1-Dichloroethane		0.13	J	0.40	ppb v/v	TO-15
1,1-Dichloroethane		0.54	J	1.6	ug/m3	TO-15
Methyl Ethyl Ketone		2.0		1.0	ppb v/v	TO-15
Methyl Ethyl Ketone		5.9		2.9	ug/m3	TO-15
1,2-Dichloroethene, Total		1.3		0.40	ppb v/v	TO-15
1,2-Dichloroethene, Total		5.2		1.6	ug/m3	TO-15
Chloroform		0.34	J	0.40	ppb v/v	TO-15
Chloroform		1.6	J	2.0	ug/m3	TO-15
Tetrahydrofuran		4.4	J	10	ppb v/v	TO-15
Tetrahydrofuran		13	J	29	ug/m3	TO-15
1,1,1-Trichloroethane		0.087	J	0.40	ppb v/v	TO-15
1,1,1-Trichloroethane		0.48	J	2.2	ug/m3	TO-15
Cyclohexane		1.8		0.40	ppb v/v	TO-15
Cyclohexane		6.0		1.4	ug/m3	TO-15
Carbon tetrachloride		0.058	J	0.080	ppb v/v	TO-15
Carbon tetrachloride		0.36	J	0.50	ug/m3	TO-15
2,2,4-Trimethylpentane		0.073	J	0.40	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.34	J	1.9	ug/m3	TO-15
Benzene		0.21	J	0.40	ppb v/v	TO-15
Benzene		0.67	J	1.3	ug/m3	TO-15
Heptane		1.1		0.40	ppb v/v	TO-15
Heptane		4.4		1.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Trichloroethene		0.47		0.080	ppb v/v	TO-15
Trichloroethene		2.5		0.43	ug/m3	TO-15
Methyl methacrylate		0.11	J	1.0	ppb v/v	TO-15
Methyl methacrylate		0.45	J	4.1	ug/m3	TO-15
methyl isobutyl ketone		0.14	J	1.0	ppb v/v	TO-15
methyl isobutyl ketone		0.58	J	4.1	ug/m3	TO-15
Toluene		3.6		0.40	ppb v/v	TO-15
Toluene		14		1.5	ug/m3	TO-15
Tetrachloroethene		1.7		0.40	ppb v/v	TO-15
Tetrachloroethene		12		2.7	ug/m3	TO-15
Ethylbenzene		0.24	J	0.40	ppb v/v	TO-15
Ethylbenzene		1.1	J	1.7	ug/m3	TO-15
m,p-Xylene		0.93	J	1.0	ppb v/v	TO-15
m,p-Xylene		4.1	J	4.3	ug/m3	TO-15
Xylene, o-		0.30	J	0.40	ppb v/v	TO-15
Xylene, o-		1.3	J	1.7	ug/m3	TO-15
Xylene (total)		1.2		0.40	ppb v/v	TO-15
Xylene (total)		5.3		1.7	ug/m3	TO-15
Styrene		0.11	J	0.40	ppb v/v	TO-15
Styrene		0.49	J	1.7	ug/m3	TO-15
4-Ethyltoluene		0.22	J	0.40	ppb v/v	TO-15
4-Ethyltoluene		1.1	J	2.0	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.16	J	0.40	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.81	J	2.0	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.35	J	0.40	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.7	J	2.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-21727-10	**SDS-5**					
Freon 12		0.47	J	0.50	ppb v/v	TO-15
Freon 12		2.3	J	2.5	ug/m3	TO-15
Freon 22		2.0		0.50	ppb v/v	TO-15
Freon 22		7.2		1.8	ug/m3	TO-15
Chloromethane		0.34	J	0.50	ppb v/v	TO-15
Chloromethane		0.70	J	1.0	ug/m3	TO-15
n-Butane		1.4		0.50	ppb v/v	TO-15
n-Butane		3.3		1.2	ug/m3	TO-15
Freon 11		0.21		0.20	ppb v/v	TO-15
Freon 11		1.2		1.1	ug/m3	TO-15
Freon 113		0.11	J	0.20	ppb v/v	TO-15
Freon 113		0.87	J	1.5	ug/m3	TO-15
Acetone		10		5.0	ppb v/v	TO-15
Acetone		24		12	ug/m3	TO-15
Isopropyl alcohol		170	E D	13	ppb v/v	TO-15
Isopropyl alcohol		430	E D	31	ug/m3	TO-15
Carbon disulfide		0.22	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.67	J	1.6	ug/m3	TO-15
Methylene Chloride		50	D	1.3	ppb v/v	TO-15
Methylene Chloride		170	D	4.3	ug/m3	TO-15
trans-1,2-Dichloroethene		1.9		0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		7.6		0.79	ug/m3	TO-15
Hexane		1.3		0.20	ppb v/v	TO-15
Hexane		4.7		0.70	ug/m3	TO-15
1,1-Dichloroethane		0.11	J	0.20	ppb v/v	TO-15
1,1-Dichloroethane		0.46	J	0.81	ug/m3	TO-15
Methyl Ethyl Ketone		1.2		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.6		1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		0.16	J	0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		0.62	J	0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		2.1		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		8.2		0.79	ug/m3	TO-15
Chloroform		0.37		0.20	ppb v/v	TO-15
Chloroform		1.8		0.98	ug/m3	TO-15
Tetrahydrofuran		1.1	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		3.4	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.16	J	0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		0.85	J	1.1	ug/m3	TO-15
Carbon tetrachloride		0.060		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.38		0.25	ug/m3	TO-15
Benzene		0.18	J	0.20	ppb v/v	TO-15
Benzene		0.56	J	0.64	ug/m3	TO-15
Heptane		0.86		0.20	ppb v/v	TO-15
Heptane		3.5		0.82	ug/m3	TO-15
Trichloroethene		1.8		0.040	ppb v/v	TO-15
Trichloroethene		9.8		0.21	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
methyl isobutyl ketone		0.11	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.44	J	2.0	ug/m3	TO-15
Toluene		1.4		0.20	ppb v/v	TO-15
Toluene		5.4		0.75	ug/m3	TO-15
Tetrachloroethene		0.79		0.20	ppb v/v	TO-15
Tetrachloroethene		5.4		1.4	ug/m3	TO-15
Ethylbenzene		0.17	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.74	J	0.87	ug/m3	TO-15
m,p-Xylene		0.42	J	0.50	ppb v/v	TO-15
m,p-Xylene		1.8	J	2.2	ug/m3	TO-15
Xylene, o-		0.085	J	0.20	ppb v/v	TO-15
Xylene, o-		0.37	J	0.87	ug/m3	TO-15
Xylene (total)		0.51		0.20	ppb v/v	TO-15
Xylene (total)		2.2		0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-21727-11	**SDS-8**					
Freon 12		0.99		0.50	ppb v/v	TO-15
Freon 12		4.9		2.5	ug/m3	TO-15
Freon 22		1.2		0.50	ppb v/v	TO-15
Freon 22		4.1		1.8	ug/m3	TO-15
Chloromethane		0.34	J	0.50	ppb v/v	TO-15
Chloromethane		0.69	J	1.0	ug/m3	TO-15
n-Butane		5.5		0.50	ppb v/v	TO-15
n-Butane		13		1.2	ug/m3	TO-15
Freon 11		0.43		0.20	ppb v/v	TO-15
Freon 11		2.4		1.1	ug/m3	TO-15
Freon 113		1.1		0.20	ppb v/v	TO-15
Freon 113		8.7		1.5	ug/m3	TO-15
Acetone		120	D	20	ppb v/v	TO-15
Acetone		280	D	48	ug/m3	TO-15
Isopropyl alcohol		160	E D	20	ppb v/v	TO-15
Isopropyl alcohol		400	E D	49	ug/m3	TO-15
Carbon disulfide		56	D	2.0	ppb v/v	TO-15
Carbon disulfide		170	D	6.2	ug/m3	TO-15
Methylene Chloride		37		0.50	ppb v/v	TO-15
Methylene Chloride		130		1.7	ug/m3	TO-15
tert-Butyl alcohol		0.85	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		2.6	J	15	ug/m3	TO-15
trans-1,2-Dichloroethene		2.2		0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		8.6		0.79	ug/m3	TO-15
Hexane		0.42		0.20	ppb v/v	TO-15
Hexane		1.5		0.70	ug/m3	TO-15
1,1-Dichloroethane		0.38		0.20	ppb v/v	TO-15
1,1-Dichloroethane		1.6		0.81	ug/m3	TO-15
Methyl Ethyl Ketone		25		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		74		1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		0.89		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		3.5		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		3.1		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		12		0.79	ug/m3	TO-15
Chloroform		5.7		0.20	ppb v/v	TO-15
Chloroform		28		0.98	ug/m3	TO-15
Tetrahydrofuran		9.1		5.0	ppb v/v	TO-15
Tetrahydrofuran		27		15	ug/m3	TO-15
1,1,1-Trichloroethane		1.4		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		7.4		1.1	ug/m3	TO-15
Cyclohexane		0.70		0.20	ppb v/v	TO-15
Cyclohexane		2.4		0.69	ug/m3	TO-15
Carbon tetrachloride		0.065		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.41		0.25	ug/m3	TO-15
Benzene		0.66		0.20	ppb v/v	TO-15
Benzene		2.1		0.64	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Trichloroethene		10		0.040	ppb v/v	TO-15
Trichloroethene		55		0.21	ug/m3	TO-15
1,4-Dioxane		0.70	J	5.0	ppb v/v	TO-15
1,4-Dioxane		2.5	J	18	ug/m3	TO-15
Bromodichloromethane		0.086	J	0.20	ppb v/v	TO-15
Bromodichloromethane		0.58	J	1.3	ug/m3	TO-15
methyl isobutyl ketone		0.91		0.50	ppb v/v	TO-15
methyl isobutyl ketone		3.7		2.0	ug/m3	TO-15
Toluene		2.1		0.20	ppb v/v	TO-15
Toluene		7.9		0.75	ug/m3	TO-15
Tetrachloroethene		1.4		0.20	ppb v/v	TO-15
Tetrachloroethene		9.2		1.4	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		1.8		0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		7.3		2.0	ug/m3	TO-15
Ethylbenzene		0.24		0.20	ppb v/v	TO-15
Ethylbenzene		1.0		0.87	ug/m3	TO-15
m,p-Xylene		0.84		0.50	ppb v/v	TO-15
m,p-Xylene		3.7		2.2	ug/m3	TO-15
Xylene, o-		0.26		0.20	ppb v/v	TO-15
Xylene, o-		1.1		0.87	ug/m3	TO-15
Xylene (total)		1.1		0.20	ppb v/v	TO-15
Xylene (total)		4.8		0.87	ug/m3	TO-15
Styrene		0.044	J	0.20	ppb v/v	TO-15
Styrene		0.19	J	0.85	ug/m3	TO-15
4-Ethyltoluene		0.060	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.29	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.041	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.20	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.13	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.62	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.21		0.20	ppb v/v	TO-15
4-Isopropyltoluene		1.1		1.1	ug/m3	TO-15
1,4-Dichlorobenzene		0.020	J	0.20	ppb v/v	TO-15
1,4-Dichlorobenzene		0.12	J	1.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-21727-12	**SSDS POST CARBON**					
Freon 12		0.92		0.50	ppb v/v	TO-15
Freon 12		4.6		2.5	ug/m3	TO-15
Freon 22		0.77		0.50	ppb v/v	TO-15
Freon 22		2.7		1.8	ug/m3	TO-15
Chloromethane		0.29	J	0.50	ppb v/v	TO-15
Chloromethane		0.60	J	1.0	ug/m3	TO-15
n-Butane		1.4		0.50	ppb v/v	TO-15
n-Butane		3.4		1.2	ug/m3	TO-15
Freon 11		2.8		0.20	ppb v/v	TO-15
Freon 11		15		1.1	ug/m3	TO-15
Freon 113		0.26		0.20	ppb v/v	TO-15
Freon 113		2.0		1.5	ug/m3	TO-15
Acetone		6.8		5.0	ppb v/v	TO-15
Acetone		16		12	ug/m3	TO-15
Isopropyl alcohol		71	E	5.0	ppb v/v	TO-15
Isopropyl alcohol		170	E	12	ug/m3	TO-15
Methylene Chloride		23		0.50	ppb v/v	TO-15
Methylene Chloride		80		1.7	ug/m3	TO-15
trans-1,2-Dichloroethene		0.49		0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		1.9		0.79	ug/m3	TO-15
1,1-Dichloroethane		0.18	J	0.20	ppb v/v	TO-15
1,1-Dichloroethane		0.73	J	0.81	ug/m3	TO-15
Methyl Ethyl Ketone		0.33	J	0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		0.98	J	1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		0.72		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		2.8		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		1.2		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		4.8		0.79	ug/m3	TO-15
Chloroform		2.2		0.20	ppb v/v	TO-15
Chloroform		11		0.98	ug/m3	TO-15
Tetrahydrofuran		2.3	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		6.8	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.50		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		2.7		1.1	ug/m3	TO-15
Cyclohexane		0.94		0.20	ppb v/v	TO-15
Cyclohexane		3.3		0.69	ug/m3	TO-15
Carbon tetrachloride		0.059		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.37		0.25	ug/m3	TO-15
methyl isobutyl ketone		0.044	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.18	J	2.0	ug/m3	TO-15
Toluene		0.34		0.20	ppb v/v	TO-15
Toluene		1.3		0.75	ug/m3	TO-15
Tetrachloroethene		0.098	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.67	J	1.4	ug/m3	TO-15
Ethylbenzene		0.049	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.21	J	0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene		0.18	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.79	J	2.2	ug/m3	TO-15
Xylene, o-		0.057	J	0.20	ppb v/v	TO-15
Xylene, o-		0.25	J	0.87	ug/m3	TO-15
Xylene (total)		0.24		0.20	ppb v/v	TO-15
Xylene (total)		1.0		0.87	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.015	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.072	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.031	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.15	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-21727-13	**SSDS MID CARBON**					
Freon 12		0.95		0.50	ppb v/v	TO-15
Freon 12		4.7		2.5	ug/m3	TO-15
Freon 22		0.72		0.50	ppb v/v	TO-15
Freon 22		2.5		1.8	ug/m3	TO-15
Chloromethane		0.34	J	0.50	ppb v/v	TO-15
Chloromethane		0.70	J	1.0	ug/m3	TO-15
n-Butane		1.7		0.50	ppb v/v	TO-15
n-Butane		3.9		1.2	ug/m3	TO-15
Freon 11		1.3		0.20	ppb v/v	TO-15
Freon 11		7.2		1.1	ug/m3	TO-15
Freon 113		0.19	J	0.20	ppb v/v	TO-15
Freon 113		1.5	J	1.5	ug/m3	TO-15
Acetone		3.6	J	5.0	ppb v/v	TO-15
Acetone		8.6	J	12	ug/m3	TO-15
Isopropyl alcohol		33		5.0	ppb v/v	TO-15
Isopropyl alcohol		81		12	ug/m3	TO-15
Methylene Chloride		18		0.50	ppb v/v	TO-15
Methylene Chloride		63		1.7	ug/m3	TO-15
trans-1,2-Dichloroethene		0.28		0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		1.1		0.79	ug/m3	TO-15
Hexane		0.041	J	0.20	ppb v/v	TO-15
Hexane		0.14	J	0.70	ug/m3	TO-15
1,1-Dichloroethane		0.088	J	0.20	ppb v/v	TO-15
1,1-Dichloroethane		0.36	J	0.81	ug/m3	TO-15
cis-1,2-Dichloroethene		0.46		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		1.8		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		0.74		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		2.9		0.79	ug/m3	TO-15
Chloroform		1.3		0.20	ppb v/v	TO-15
Chloroform		6.3		0.98	ug/m3	TO-15
Tetrahydrofuran		0.92	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		2.7	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.32		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		1.8		1.1	ug/m3	TO-15
Cyclohexane		0.47		0.20	ppb v/v	TO-15
Cyclohexane		1.6		0.69	ug/m3	TO-15
Carbon tetrachloride		0.049		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.31		0.25	ug/m3	TO-15
Benzene		0.36		0.20	ppb v/v	TO-15
Benzene		1.1		0.64	ug/m3	TO-15
Trichloroethene		0.10		0.040	ppb v/v	TO-15
Trichloroethene		0.55		0.21	ug/m3	TO-15
methyl isobutyl ketone		0.085	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.35	J	2.0	ug/m3	TO-15
Toluene		0.76		0.20	ppb v/v	TO-15
Toluene		2.9		0.75	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
Tetrachloroethene	0.042	J	0.20	ppb v/v	TO-15
Tetrachloroethene	0.28	J	1.4	ug/m3	TO-15
Ethylbenzene	0.096	J	0.20	ppb v/v	TO-15
Ethylbenzene	0.42	J	0.87	ug/m3	TO-15
m,p-Xylene	0.35	J	0.50	ppb v/v	TO-15
m,p-Xylene	1.5	J	2.2	ug/m3	TO-15
Xylene, o-	0.11	J	0.20	ppb v/v	TO-15
Xylene, o-	0.48	J	0.87	ug/m3	TO-15
Xylene (total)	0.46		0.20	ppb v/v	TO-15
Xylene (total)	2.0		0.87	ug/m3	TO-15
Styrene	0.034	J	0.20	ppb v/v	TO-15
Styrene	0.14	J	0.85	ug/m3	TO-15
4-Ethyltoluene	0.020	J	0.20	ppb v/v	TO-15
4-Ethyltoluene	0.10	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.019	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene	0.093	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.048	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene	0.24	J	0.98	ug/m3	TO-15

METHOD SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Method	Analyst	Analyst ID
EPA TO-15	Desjardins, William R	WRD

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **GCTS PRE CARBON**

Lab Sample ID: 200-21727-1
Client Matrix: Air

Date Sampled: 04/04/2014 0940
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_07.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 1836			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 1836			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.47	J	0.030	0.50
Freon 22	0.25	J	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.49	J	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.48		0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.19	J	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.23		0.030	0.20
Freon 113	4.0		0.018	0.20
1,1-Dichloroethene	0.099	J	0.024	0.20
Acetone	2.3	J	1.3	5.0
Isopropyl alcohol	0.47	J	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.33	J	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.093	J	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	3.6		0.038	0.20
Methyl Ethyl Ketone	0.56		0.24	0.50
cis-1,2-Dichloroethene	23		0.038	0.20
1,2-Dichloroethene, Total	23		0.064	0.20
Chloroform	0.088	J	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.064		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.10	J	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	23		0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.18	J	0.027	0.50
Toluene	0.14	J	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	21		0.016	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **GCTS PRE CARBON**

Lab Sample ID: 200-21727-1
Client Matrix: Air

Date Sampled: 04/04/2014 0940
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_07.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 1836			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 1836			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.27		0.013	0.20
m,p-Xylene	1.0		0.023	0.50
Xylene, o-	0.25		0.016	0.20
Xylene (total)	1.3		0.034	0.20
Styrene	0.020	J	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.014	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.041	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.3	J	0.15	2.5
Freon 22	0.89	J	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	J	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	1.2		0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	0.49	J	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.3		0.17	1.1
Freon 113	31		0.14	1.5
1,1-Dichloroethene	0.39	J	0.095	0.79
Acetone	5.4	J	3.0	12
Isopropyl alcohol	1.1	J	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **GCTS PRE CARBON**

Lab Sample ID: 200-21727-1
Client Matrix: Air

Date Sampled: 04/04/2014 0940
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_07.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 1836			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 1836			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	1.1	J	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.37	J	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	15		0.15	0.81
Methyl Ethyl Ketone	1.6		0.71	1.5
cis-1,2-Dichloroethene	89		0.15	0.79
1,2-Dichloroethene, Total	92		0.25	0.79
Chloroform	0.43	J	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.40		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.32	J	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	130		0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	0.74	J	0.11	2.0
Toluene	0.52	J	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	140		0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	1.2		0.056	0.87
m,p-Xylene	4.4		0.10	2.2
Xylene, o-	1.1		0.069	0.87
Xylene (total)	5.4		0.15	0.87
Styrene	0.084	J	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.069	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.20	J	0.069	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **GCTS PRE CARBON**

Lab Sample ID: 200-21727-1
Client Matrix: Air

Date Sampled: 04/04/2014 0940
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_07.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 1836			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 1836			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **GCTS POST CARBON**

Lab Sample ID: 200-21727-2
Client Matrix: Air

Date Sampled: 04/04/2014 0926
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_08.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 1928			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 1928			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.54		0.030	0.50
Freon 22	0.38	J	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.56		0.14	0.50
n-Butane	0.38	J	0.28	0.50
Vinyl chloride	0.57		0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.085	J	0.030	0.20
Freon 113	0.047	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	2.1	J	1.3	5.0
Isopropyl alcohol	0.26	J	0.22	5.0
Carbon disulfide	0.10	J	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.21	J	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.33		0.038	0.20
Methyl Ethyl Ketone	0.33	J	0.24	0.50
cis-1,2-Dichloroethene	0.52		0.038	0.20
1,2-Dichloroethene, Total	0.52		0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.082	J	0.027	0.50
Toluene	0.035	J	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.029	J	0.016	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **GCTS POST CARBON**

Lab Sample ID: 200-21727-2
Client Matrix: Air

Date Sampled: 04/04/2014 0926
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_08.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 1928			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 1928			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.11	J	0.013	0.20
m,p-Xylene	0.37	J	0.023	0.50
Xylene, o-	0.080	J	0.016	0.20
Xylene (total)	0.45		0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.7		0.15	2.5
Freon 22	1.3	J	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.2		0.28	1.0
n-Butane	0.90	J	0.67	1.2
Vinyl chloride	1.4		0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	0.48	J	0.17	1.1
Freon 113	0.36	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	4.9	J	3.0	12
Isopropyl alcohol	0.64	J	0.53	12
Carbon disulfide	0.32	J	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **GCTS POST CARBON**

Lab Sample ID: 200-21727-2
Client Matrix: Air

Date Sampled: 04/04/2014 0926
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_08.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 1928			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 1928			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	0.74	J	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	1.3		0.15	0.81
Methyl Ethyl Ketone	0.99	J	0.71	1.5
cis-1,2-Dichloroethene	2.0		0.15	0.79
1,2-Dichloroethene, Total	2.1		0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	0.34	J	0.11	2.0
Toluene	0.13	J	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	0.20	J	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.47	J	0.056	0.87
m,p-Xylene	1.6	J	0.10	2.2
Xylene, o-	0.35	J	0.069	0.87
Xylene (total)	2.0		0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **GCTS POST CARBON**

Lab Sample ID: 200-21727-2
Client Matrix: Air

Date Sampled: 04/04/2014 0926
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_08.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 1928			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 1928			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **GCTS MID CARBON**

Lab Sample ID: 200-21727-3
Client Matrix: Air

Date Sampled: 04/04/2014 0930
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_09.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 2020			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2020			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.55		0.030	0.50
Freon 22	0.40	J	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.61		0.14	0.50
n-Butane	0.85		0.28	0.50
Vinyl chloride	0.50		0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.20		0.030	0.20
Freon 113	0.090	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.0	U	1.3	5.0
Isopropyl alcohol	0.31	J	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.31	J	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.46		0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	5.0		0.038	0.20
1,2-Dichloroethene, Total	5.0		0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.16	J	0.027	0.50
Toluene	0.10	J	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.039	J	0.016	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **GCTS MID CARBON**

Lab Sample ID: 200-21727-3
Client Matrix: Air

Date Sampled: 04/04/2014 0930
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_09.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 2020			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2020			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.26		0.013	0.20
m,p-Xylene	0.97		0.023	0.50
Xylene, o-	0.26		0.016	0.20
Xylene (total)	1.2		0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.021	J	0.018	0.20
1,3,5-Trimethylbenzene	0.036	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.077	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.7		0.15	2.5
Freon 22	1.4	J	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.3		0.28	1.0
n-Butane	2.0		0.67	1.2
Vinyl chloride	1.3		0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.1		0.17	1.1
Freon 113	0.69	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12	U	3.0	12
Isopropyl alcohol	0.77	J	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **GCTS MID CARBON**

Lab Sample ID: 200-21727-3
Client Matrix: Air

Date Sampled: 04/04/2014 0930
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_09.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 2020			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2020			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	1.1	J	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	1.9		0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	20		0.15	0.79
1,2-Dichloroethene, Total	20		0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	0.65	J	0.11	2.0
Toluene	0.38	J	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	0.26	J	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	1.1		0.056	0.87
m,p-Xylene	4.2		0.10	2.2
Xylene, o-	1.1		0.069	0.87
Xylene (total)	5.3		0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.10	J	0.088	0.98
1,3,5-Trimethylbenzene	0.18	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.38	J	0.069	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **GCTS MID CARBON**

Lab Sample ID: 200-21727-3
Client Matrix: Air

Date Sampled: 04/04/2014 0930
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_09.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 2020			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2020			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-3**

Lab Sample ID: 200-21727-4
Client Matrix: Air

Date Sampled: 04/04/2014 1445
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_10.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 2113			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2113			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.48	J	0.030	0.50
Freon 22	0.54		0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.39	J	0.14	0.50
n-Butane	0.43	J	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.10	J	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.22		0.030	0.20
Freon 113	0.14	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	8.7		1.3	5.0
Isopropyl alcohol	41	E	0.22	5.0
Carbon disulfide	0.14	J	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	19		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.76		0.029	0.20
Hexane	0.37		0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.45	J	0.24	0.50
cis-1,2-Dichloroethene	0.17	J	0.038	0.20
1,2-Dichloroethene, Total	0.93		0.064	0.20
Chloroform	0.091	J	0.025	0.20
Tetrahydrofuran	0.52	J	0.046	5.0
1,1,1-Trichloroethane	0.038	J	0.021	0.20
Cyclohexane	1.1		0.025	0.20
Carbon tetrachloride	0.074		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.17	J	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.29		0.046	0.20
Trichloroethene	3.4		0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.10	J	0.027	0.50
Toluene	0.58		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	2.2		0.016	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-3**

Lab Sample ID: 200-21727-4
Client Matrix: Air

Date Sampled: 04/04/2014 1445
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_10.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 2113			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2113			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.18	J	0.013	0.20
m,p-Xylene	0.64		0.023	0.50
Xylene, o-	0.21		0.016	0.20
Xylene (total)	0.85		0.034	0.20
Styrene	0.067	J	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.057	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.088	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.4	J	0.15	2.5
Freon 22	1.9		0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	0.80	J	0.28	1.0
n-Butane	1.0	J	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.22	J	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.3		0.17	1.1
Freon 113	1.0	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	21		3.0	12
Isopropyl alcohol	100	E	0.53	12
Carbon disulfide	0.43	J	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-3**

Lab Sample ID: 200-21727-4
Client Matrix: Air

Date Sampled: 04/04/2014 1445
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_10.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 2113			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2113			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	66		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	3.0		0.11	0.79
Hexane	1.3		0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.3	J	0.71	1.5
cis-1,2-Dichloroethene	0.68	J	0.15	0.79
1,2-Dichloroethene, Total	3.7		0.25	0.79
Chloroform	0.44	J	0.12	0.98
Tetrahydrofuran	1.5	J	0.14	15
1,1,1-Trichloroethane	0.21	J	0.11	1.1
Cyclohexane	3.8		0.086	0.69
Carbon tetrachloride	0.46		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.56	J	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	1.2		0.19	0.82
Trichloroethene	18		0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	0.43	J	0.11	2.0
Toluene	2.2		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	15		0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.80	J	0.056	0.87
m,p-Xylene	2.8		0.10	2.2
Xylene, o-	0.90		0.069	0.87
Xylene (total)	3.7		0.15	0.87
Styrene	0.29	J	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.28	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.43	J	0.069	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-3**

Lab Sample ID: 200-21727-4
Client Matrix: Air

Date Sampled: 04/04/2014 1445
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_10.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 2113			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2113			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-1**

Lab Sample ID: 200-21727-5
Client Matrix: Air

Date Sampled: 04/04/2014 1455
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_11.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 2205			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2205			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	5.6		0.030	0.50
Freon 22	0.30	J	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.16	J	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.72		0.030	0.20
Freon 113	0.12	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.0		1.3	5.0
Isopropyl alcohol	11		0.22	5.0
Carbon disulfide	2.1		0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	1.1		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	1.3		0.029	0.20
Hexane	0.051	J	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	1.3		0.24	0.50
cis-1,2-Dichloroethene	1.9		0.038	0.20
1,2-Dichloroethene, Total	3.2		0.064	0.20
Chloroform	0.14	J	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.031	J	0.021	0.20
Cyclohexane	4.4		0.025	0.20
Carbon tetrachloride	0.069		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.072	J	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	5.1		0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.19	J	0.027	0.50
Toluene	0.50		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	100	E	0.016	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-1**

Lab Sample ID: 200-21727-5
Client Matrix: Air

Date Sampled: 04/04/2014 1455
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_11.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 2205			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2205			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.24		0.013	0.20
m,p-Xylene	0.78		0.023	0.50
Xylene, o-	0.21		0.016	0.20
Xylene (total)	0.99		0.034	0.20
Styrene	0.055	J	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.023	J	0.018	0.20
1,3,5-Trimethylbenzene	0.020	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.057	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.014	J	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	28		0.15	2.5
Freon 22	1.0	J	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	0.34	J	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	4.0		0.17	1.1
Freon 113	0.90	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12		3.0	12
Isopropyl alcohol	26		0.53	12
Carbon disulfide	6.4		0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-1**

Lab Sample ID: 200-21727-5
Client Matrix: Air

Date Sampled: 04/04/2014 1455
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_11.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 2205			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2205			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	3.8		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	5.2		0.11	0.79
Hexane	0.18	J	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	3.9		0.71	1.5
cis-1,2-Dichloroethene	7.4		0.15	0.79
1,2-Dichloroethene, Total	13		0.25	0.79
Chloroform	0.67	J	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	0.17	J	0.11	1.1
Cyclohexane	15		0.086	0.69
Carbon tetrachloride	0.43		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.23	J	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	27		0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	0.78	J	0.11	2.0
Toluene	1.9		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	690	E	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	1.0		0.056	0.87
m,p-Xylene	3.4		0.10	2.2
Xylene, o-	0.93		0.069	0.87
Xylene (total)	4.3		0.15	0.87
Styrene	0.24	J	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.11	J	0.088	0.98
1,3,5-Trimethylbenzene	0.099	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.28	J	0.069	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-1**

Lab Sample ID: 200-21727-5
Client Matrix: Air

Date Sampled: 04/04/2014 1455
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_11.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 2205			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2205			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	0.085	J	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-1**

Lab Sample ID: 200-21727-5
Client Matrix: Air

Date Sampled: 04/04/2014 1455
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_12.D
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	04/10/2014 2257	Run Type:	DL	Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2257			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	5.4	D	0.075	1.3
Freon 22	0.30	J D	0.12	1.3
Freon-114	0.50	U	0.088	0.50
Chloromethane	1.3	U	0.34	1.3
n-Butane	1.3	U	0.71	1.3
Vinyl chloride	0.10	U	0.095	0.10
1,3-Butadiene	0.50	U	0.11	0.50
Bromomethane	0.50	U	0.070	0.50
Chloroethane	1.3	U	0.075	1.3
Vinyl bromide	0.50	U	0.075	0.50
Freon 11	0.68	D	0.075	0.50
Freon 113	0.10	J D	0.045	0.50
1,1-Dichloroethene	0.50	U	0.060	0.50
Acetone	4.9	J D	3.1	13
Isopropyl alcohol	11	J D	0.54	13
Carbon disulfide	1.9	D	0.17	1.3
Allyl chloride	1.3	U	0.085	1.3
Methylene Chloride	1.2	J D	0.31	1.3
tert-Butyl alcohol	13	U	0.82	13
Methyl tert-butyl ether	0.50	U	0.055	0.50
trans-1,2-Dichloroethene	1.2	D	0.073	0.50
Hexane	0.50	U	0.085	0.50
1,1-Dichloroethane	0.50	U	0.095	0.50
Methyl Ethyl Ketone	1.2	J D	0.61	1.3
cis-1,2-Dichloroethene	1.8	D	0.095	0.50
1,2-Dichloroethene, Total	3.0	D	0.16	0.50
Chloroform	0.12	J D	0.063	0.50
Tetrahydrofuran	13	U	0.12	13
1,1,1-Trichloroethane	0.50	U	0.053	0.50
Cyclohexane	4.2	D	0.063	0.50
Carbon tetrachloride	0.067	J D	0.053	0.10
2,2,4-Trimethylpentane	0.50	U	0.068	0.50
Benzene	0.079	J D	0.048	0.50
1,2-Dichloroethane	0.50	U	0.043	0.50
Heptane	0.50	U	0.12	0.50
Trichloroethene	4.9	D	0.060	0.10
Methyl methacrylate	1.3	U	0.075	1.3
1,2-Dichloropropane	0.50	U	0.080	0.50
1,4-Dioxane	13	U	0.50	13
Bromodichloromethane	0.50	U	0.043	0.50
cis-1,3-Dichloropropene	0.50	U	0.070	0.50
methyl isobutyl ketone	0.18	J D	0.068	1.3
Toluene	0.50	D	0.043	0.50
trans-1,3-Dichloropropene	0.50	U	0.055	0.50
1,1,2-Trichloroethane	0.50	U	0.043	0.50
Tetrachloroethene	98	D	0.040	0.50

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-1**

Lab Sample ID: 200-21727-5
Client Matrix: Air

Date Sampled: 04/04/2014 1455
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_12.D
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	04/10/2014 2257	Run Type:	DL	Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2257			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.3	U	0.50	1.3
Dibromochloromethane	0.50	U	0.050	0.50
1,2-Dibromoethane	0.50	U	0.050	0.50
Chlorobenzene	0.50	U	0.020	0.50
Ethylbenzene	0.22	J D	0.033	0.50
m,p-Xylene	0.75	J D	0.058	1.3
Xylene, o-	0.19	J D	0.040	0.50
Xylene (total)	0.94	D	0.085	0.50
Styrene	0.50	U	0.045	0.50
Bromoform	0.50	U	0.025	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.040	0.50
n-Propylbenzene	0.50	U	0.20	0.50
4-Ethyltoluene	0.50	U	0.045	0.50
1,3,5-Trimethylbenzene	0.50	U	0.030	0.50
2-Chlorotoluene	0.50	U	0.033	0.50
tert-Butylbenzene	0.50	U	0.043	0.50
1,2,4-Trimethylbenzene	0.056	J D	0.035	0.50
sec-Butylbenzene	0.50	U	0.20	0.50
4-Isopropyltoluene	0.50	U	0.20	0.50
1,3-Dichlorobenzene	0.50	U	0.035	0.50
1,4-Dichlorobenzene	0.50	U	0.035	0.50
Benzyl chloride	0.50	U	0.20	0.50
n-Butylbenzene	0.50	U	0.20	0.50
1,2-Dichlorobenzene	0.50	U	0.035	0.50
1,2,4-Trichlorobenzene	1.3	U	0.068	1.3
Hexachloro-1,3-butadiene	0.50	U	0.055	0.50
Naphthalene	1.3	U	0.50	1.3

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	26	D	0.37	6.2
Freon 22	1.0	J D	0.42	4.4
Freon-114	3.5	U	0.61	3.5
Chloromethane	2.6	U	0.70	2.6
n-Butane	3.0	U	1.7	3.0
Vinyl chloride	0.26	U	0.24	0.26
1,3-Butadiene	1.1	U	0.23	1.1
Bromomethane	1.9	U	0.27	1.9
Chloroethane	3.3	U	0.20	3.3
Vinyl bromide	2.2	U	0.33	2.2
Freon 11	3.8	D	0.42	2.8
Freon 113	0.79	J D	0.34	3.8
1,1-Dichloroethene	2.0	U	0.24	2.0
Acetone	12	J D	7.4	30
Isopropyl alcohol	28	J D	1.3	31
Carbon disulfide	6.0	D	0.51	3.9
Allyl chloride	3.9	U	0.27	3.9

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-1**

Lab Sample ID: 200-21727-5
Client Matrix: Air

Date Sampled: 04/04/2014 1455
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_12.D
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	04/10/2014 2257	Run Type:	DL	Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2257			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	4.0	J D	1.1	4.3
tert-Butyl alcohol	38	U	2.5	38
Methyl tert-butyl ether	1.8	U	0.20	1.8
trans-1,2-Dichloroethene	5.0	D	0.29	2.0
Hexane	1.8	U	0.30	1.8
1,1-Dichloroethane	2.0	U	0.38	2.0
Methyl Ethyl Ketone	3.4	J D	1.8	3.7
cis-1,2-Dichloroethene	7.3	D	0.38	2.0
1,2-Dichloroethene, Total	12	D	0.63	2.0
Chloroform	0.61	J D	0.31	2.4
Tetrahydrofuran	37	U	0.34	37
1,1,1-Trichloroethane	2.7	U	0.29	2.7
Cyclohexane	15	D	0.22	1.7
Carbon tetrachloride	0.42	J D	0.33	0.63
2,2,4-Trimethylpentane	2.3	U	0.32	2.3
Benzene	0.25	J D	0.15	1.6
1,2-Dichloroethane	2.0	U	0.17	2.0
Heptane	2.0	U	0.47	2.0
Trichloroethene	27	D	0.32	0.54
Methyl methacrylate	5.1	U	0.31	5.1
1,2-Dichloropropane	2.3	U	0.37	2.3
1,4-Dioxane	45	U	1.8	45
Bromodichloromethane	3.4	U	0.28	3.4
cis-1,3-Dichloropropene	2.3	U	0.32	2.3
methyl isobutyl ketone	0.75	J D	0.28	5.1
Toluene	1.9	D	0.16	1.9
trans-1,3-Dichloropropene	2.3	U	0.25	2.3
1,1,2-Trichloroethane	2.7	U	0.23	2.7
Tetrachloroethene	660	D	0.27	3.4
Methyl Butyl Ketone (2-Hexanone)	5.1	U	2.0	5.1
Dibromochloromethane	4.3	U	0.43	4.3
1,2-Dibromoethane	3.8	U	0.38	3.8
Chlorobenzene	2.3	U	0.093	2.3
Ethylbenzene	0.97	J D	0.14	2.2
m,p-Xylene	3.2	J D	0.25	5.4
Xylene, o-	0.82	J D	0.17	2.2
Xylene (total)	4.1	D	0.37	2.2
Styrene	2.1	U	0.19	2.1
Bromoform	5.2	U	0.26	5.2
1,1,2,2-Tetrachloroethane	3.4	U	0.27	3.4
n-Propylbenzene	2.5	U	0.98	2.5
4-Ethyltoluene	2.5	U	0.22	2.5
1,3,5-Trimethylbenzene	2.5	U	0.15	2.5
2-Chlorotoluene	2.6	U	0.17	2.6
tert-Butylbenzene	2.7	U	0.23	2.7
1,2,4-Trimethylbenzene	0.27	J D	0.17	2.5

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-1**

Lab Sample ID: 200-21727-5
Client Matrix: Air

Date Sampled: 04/04/2014 1455
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_12.D
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	04/10/2014 2257	Run Type:	DL	Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2257			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	2.7	U	1.1	2.7
4-Isopropyltoluene	2.7	U	1.1	2.7
1,3-Dichlorobenzene	3.0	U	0.21	3.0
1,4-Dichlorobenzene	3.0	U	0.21	3.0
Benzyl chloride	2.6	U	1.0	2.6
n-Butylbenzene	2.7	U	1.1	2.7
1,2-Dichlorobenzene	3.0	U	0.21	3.0
1,2,4-Trichlorobenzene	9.3	U	0.50	9.3
Hexachloro-1,3-butadiene	5.3	U	0.59	5.3
Naphthalene	6.6	U	2.6	6.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-2**

Lab Sample ID: 200-21727-6
Client Matrix: Air

Date Sampled: 04/04/2014 1515
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_13.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 2349			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2349			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	3.7		0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.35	J	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.86		0.030	0.20
Freon 113	0.092	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	6.3		1.3	5.0
Isopropyl alcohol	60	E	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	1.3		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.18	J	0.029	0.20
Hexane	0.094	J	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.76		0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.18	J	0.064	0.20
Chloroform	0.15	J	0.025	0.20
Tetrahydrofuran	0.15	J	0.046	5.0
1,1,1-Trichloroethane	2.1		0.021	0.20
Cyclohexane	3.8		0.025	0.20
Carbon tetrachloride	0.061		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.065	J	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	3.3		0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.13	J	0.027	0.50
Toluene	0.18	J	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	7.6		0.016	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-2**

Lab Sample ID: 200-21727-6
Client Matrix: Air

Date Sampled: 04/04/2014 1515
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_13.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 2349			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2349			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.18	J	0.013	0.20
m,p-Xylene	0.52		0.023	0.50
Xylene, o-	0.13	J	0.016	0.20
Xylene (total)	0.65		0.034	0.20
Styrene	0.085	J	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.032	J	0.018	0.20
1,3,5-Trimethylbenzene	0.023	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.067	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	18		0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	0.72	J	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	4.8		0.17	1.1
Freon 113	0.70	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	15		3.0	12
Isopropyl alcohol	150	E	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-2**

Lab Sample ID: 200-21727-6
Client Matrix: Air

Date Sampled: 04/04/2014 1515
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_13.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 2349			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2349			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	4.4		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.71	J	0.11	0.79
Hexane	0.33	J	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	2.2		0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.71	J	0.25	0.79
Chloroform	0.75	J	0.12	0.98
Tetrahydrofuran	0.44	J	0.14	15
1,1,1-Trichloroethane	12		0.11	1.1
Cyclohexane	13		0.086	0.69
Carbon tetrachloride	0.38		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.21	J	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	18		0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	0.53	J	0.11	2.0
Toluene	0.68	J	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	52		0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.78	J	0.056	0.87
m,p-Xylene	2.3		0.10	2.2
Xylene, o-	0.59	J	0.069	0.87
Xylene (total)	2.8		0.15	0.87
Styrene	0.36	J	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.16	J	0.088	0.98
1,3,5-Trimethylbenzene	0.11	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.33	J	0.069	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-2**

Lab Sample ID: 200-21727-6
Client Matrix: Air

Date Sampled: 04/04/2014 1515
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_13.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 2349			Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 2349			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-4**

Lab Sample ID: 200-21727-7
Client Matrix: Air

Date Sampled: 04/04/2014 1405
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_14.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0042			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0042			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.48	J	0.030	0.50
Freon 22	0.31	J	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.43	J	0.14	0.50
n-Butane	0.51		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.12	J	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.24		0.030	0.20
Freon 113	0.12	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	26		1.3	5.0
Isopropyl alcohol	55	E	0.22	5.0
Carbon disulfide	0.087	J	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	5.3		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.40		0.029	0.20
Hexane	0.19	J	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.80		0.24	0.50
cis-1,2-Dichloroethene	0.35		0.038	0.20
1,2-Dichloroethene, Total	0.75		0.064	0.20
Chloroform	0.071	J	0.025	0.20
Tetrahydrofuran	0.31	J	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	3.4		0.025	0.20
Carbon tetrachloride	0.066		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.12	J	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.22		0.046	0.20
Trichloroethene	1.9		0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.14	J	0.027	0.50
Toluene	0.47		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	20		0.016	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-4**

Lab Sample ID: 200-21727-7
Client Matrix: Air

Date Sampled: 04/04/2014 1405
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_14.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0042			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0042			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.37		0.013	0.20
m,p-Xylene	0.79		0.023	0.50
Xylene, o-	0.61		0.016	0.20
Xylene (total)	1.4		0.034	0.20
Styrene	0.13	J	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.097	J	0.018	0.20
1,3,5-Trimethylbenzene	0.32		0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.19	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.77		0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.4	J	0.15	2.5
Freon 22	1.1	J	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	0.89	J	0.28	1.0
n-Butane	1.2		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.26	J	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.3		0.17	1.1
Freon 113	0.88	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	61		3.0	12
Isopropyl alcohol	140	E	0.53	12
Carbon disulfide	0.27	J	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-4**

Lab Sample ID: 200-21727-7
Client Matrix: Air

Date Sampled: 04/04/2014 1405
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_14.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0042			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0042			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	18		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	1.6		0.11	0.79
Hexane	0.69	J	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	2.3		0.71	1.5
cis-1,2-Dichloroethene	1.4		0.15	0.79
1,2-Dichloroethene, Total	3.0		0.25	0.79
Chloroform	0.35	J	0.12	0.98
Tetrahydrofuran	0.92	J	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	12		0.086	0.69
Carbon tetrachloride	0.41		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.37	J	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.90		0.19	0.82
Trichloroethene	10		0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	0.58	J	0.11	2.0
Toluene	1.8		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	140		0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	1.6		0.056	0.87
m,p-Xylene	3.4		0.10	2.2
Xylene, o-	2.7		0.069	0.87
Xylene (total)	6.1		0.15	0.87
Styrene	0.56	J	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.48	J	0.088	0.98
1,3,5-Trimethylbenzene	1.6		0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.94	J	0.069	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-4**

Lab Sample ID: 200-21727-7
Client Matrix: Air

Date Sampled: 04/04/2014 1405
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_14.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0042			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0042			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	4.2		0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-7**

Lab Sample ID: 200-21727-8
Client Matrix: Air

Date Sampled: 04/04/2014 1530
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_15.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0134			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0134			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.47	J	0.030	0.50
Freon 22	0.60		0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.43	J	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.15	J	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.22		0.030	0.20
Freon 113	0.069	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	90	E	1.3	5.0
Isopropyl alcohol	85	E	0.22	5.0
Carbon disulfide	10		0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	24		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	1.1		0.029	0.20
Hexane	1.2		0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	13		0.24	0.50
cis-1,2-Dichloroethene	0.059	J	0.038	0.20
1,2-Dichloroethene, Total	1.2		0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	14		0.046	5.0
1,1,1-Trichloroethane	0.088	J	0.021	0.20
Cyclohexane	0.84		0.025	0.20
Carbon tetrachloride	0.061		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.50		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	1.9		0.046	0.20
Trichloroethene	0.32		0.024	0.040
Methyl methacrylate	0.49	J	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	0.81	J	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.91		0.027	0.50
Toluene	3.3		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.60		0.016	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-7**

Lab Sample ID: 200-21727-8
Client Matrix: Air

Date Sampled: 04/04/2014 1530
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_15.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0134			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0134			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	1.0		0.013	0.20
m,p-Xylene	3.8		0.023	0.50
Xylene, o-	1.2		0.016	0.20
Xylene (total)	5.0		0.034	0.20
Styrene	0.096	J	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.41		0.080	0.20
4-Ethyltoluene	0.68		0.018	0.20
1,3,5-Trimethylbenzene	0.72		0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	3.9		0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	6.9		0.080	0.20
1,3-Dichlorobenzene	0.096	J	0.014	0.20
1,4-Dichlorobenzene	0.026	J	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.39	J	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.3	J	0.15	2.5
Freon 22	2.1		0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	0.89	J	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	0.40	J	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.2		0.17	1.1
Freon 113	0.53	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	210	E	3.0	12
Isopropyl alcohol	210	E	0.53	12
Carbon disulfide	32		0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-7**

Lab Sample ID: 200-21727-8
Client Matrix: Air

Date Sampled: 04/04/2014 1530
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_15.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0134			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0134			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	82		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	4.3		0.11	0.79
Hexane	4.2		0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	38		0.71	1.5
cis-1,2-Dichloroethene	0.23	J	0.15	0.79
1,2-Dichloroethene, Total	4.6		0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	41		0.14	15
1,1,1-Trichloroethane	0.48	J	0.11	1.1
Cyclohexane	2.9		0.086	0.69
Carbon tetrachloride	0.39		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	1.6		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	7.7		0.19	0.82
Trichloroethene	1.7		0.13	0.21
Methyl methacrylate	2.0	J	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	2.9	J	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	3.7		0.11	2.0
Toluene	12		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	4.0		0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	4.3		0.056	0.87
m,p-Xylene	17		0.10	2.2
Xylene, o-	5.1		0.069	0.87
Xylene (total)	22		0.15	0.87
Styrene	0.41	J	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	2.0		0.39	0.98
4-Ethyltoluene	3.3		0.088	0.98
1,3,5-Trimethylbenzene	3.6		0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	19		0.069	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-7**

Lab Sample ID: 200-21727-8
Client Matrix: Air

Date Sampled: 04/04/2014 1530
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_15.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0134			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0134			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	38		0.44	1.1
1,3-Dichlorobenzene	0.58	J	0.084	1.2
1,4-Dichlorobenzene	0.15	J	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.1	J	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-7**

Lab Sample ID: 200-21727-8
Client Matrix: Air

Date Sampled: 04/04/2014 1530
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_16.D
Dilution:	2.99			Initial Weight/Volume:	67 mL
Analysis Date:	04/11/2014 0226	Run Type:	DL	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0226			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.47	J D	0.090	1.5
Freon 22	0.61	J D	0.14	1.5
Freon-114	0.60	U	0.10	0.60
Chloromethane	0.45	J D	0.41	1.5
n-Butane	1.5	U	0.84	1.5
Vinyl chloride	0.12	U	0.11	0.12
1,3-Butadiene	0.60	U	0.13	0.60
Bromomethane	0.60	U	0.084	0.60
Chloroethane	0.13	J D	0.090	1.5
Vinyl bromide	0.60	U	0.090	0.60
Freon 11	0.21	J D	0.090	0.60
Freon 113	0.062	J D	0.054	0.60
1,1-Dichloroethene	0.60	U	0.072	0.60
Acetone	83	D	3.7	15
Isopropyl alcohol	93	D	0.64	15
Carbon disulfide	9.6	D	0.20	1.5
Allyl chloride	1.5	U	0.10	1.5
Methylene Chloride	22	D	0.37	1.5
tert-Butyl alcohol	15	U	0.98	15
Methyl tert-butyl ether	0.60	U	0.066	0.60
trans-1,2-Dichloroethene	1.1	D	0.087	0.60
Hexane	1.1	D	0.10	0.60
1,1-Dichloroethane	0.60	U	0.11	0.60
Methyl Ethyl Ketone	12	D	0.72	1.5
cis-1,2-Dichloroethene	0.60	U	0.11	0.60
1,2-Dichloroethene, Total	1.1	D	0.19	0.60
Chloroform	0.60	U	0.075	0.60
Tetrahydrofuran	13	J D	0.14	15
1,1,1-Trichloroethane	0.082	J D	0.063	0.60
Cyclohexane	0.69	D	0.075	0.60
Carbon tetrachloride	0.12	U	0.063	0.12
2,2,4-Trimethylpentane	0.60	U	0.081	0.60
Benzene	0.48	J D	0.057	0.60
1,2-Dichloroethane	0.60	U	0.051	0.60
Heptane	1.7	D	0.14	0.60
Trichloroethene	0.31	D	0.072	0.12
Methyl methacrylate	0.38	J D	0.090	1.5
1,2-Dichloropropane	0.60	U	0.096	0.60
1,4-Dioxane	0.81	J D	0.60	15
Bromodichloromethane	0.60	U	0.051	0.60
cis-1,3-Dichloropropene	0.60	U	0.084	0.60
methyl isobutyl ketone	0.71	J D	0.081	1.5
Toluene	3.2	D	0.051	0.60
trans-1,3-Dichloropropene	0.60	U	0.066	0.60
1,1,2-Trichloroethane	0.60	U	0.051	0.60
Tetrachloroethene	0.62	D	0.048	0.60

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-7**

Lab Sample ID: 200-21727-8
Client Matrix: Air

Date Sampled: 04/04/2014 1530
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_16.D
Dilution:	2.99			Initial Weight/Volume:	67 mL
Analysis Date:	04/11/2014 0226	Run Type:	DL	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0226			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.5	U	0.60	1.5
Dibromochloromethane	0.60	U	0.060	0.60
1,2-Dibromoethane	0.60	U	0.060	0.60
Chlorobenzene	0.60	U	0.024	0.60
Ethylbenzene	0.95	D	0.039	0.60
m,p-Xylene	3.7	D	0.069	1.5
Xylene, o-	1.1	D	0.048	0.60
Xylene (total)	4.8	D	0.10	0.60
Styrene	0.60	U	0.054	0.60
Bromoform	0.60	U	0.030	0.60
1,1,2,2-Tetrachloroethane	0.60	U	0.048	0.60
n-Propylbenzene	0.38	J D	0.24	0.60
4-Ethyltoluene	0.61	D	0.054	0.60
1,3,5-Trimethylbenzene	0.68	D	0.036	0.60
2-Chlorotoluene	0.60	U	0.039	0.60
tert-Butylbenzene	0.60	U	0.051	0.60
1,2,4-Trimethylbenzene	3.6	D	0.042	0.60
sec-Butylbenzene	0.60	U	0.24	0.60
4-Isopropyltoluene	6.4	D	0.24	0.60
1,3-Dichlorobenzene	0.089	J D	0.042	0.60
1,4-Dichlorobenzene	0.60	U	0.042	0.60
Benzyl chloride	0.60	U	0.24	0.60
n-Butylbenzene	0.60	U	0.24	0.60
1,2-Dichlorobenzene	0.60	U	0.042	0.60
1,2,4-Trichlorobenzene	1.5	U	0.081	1.5
Hexachloro-1,3-butadiene	0.60	U	0.066	0.60
Naphthalene	1.5	U	0.60	1.5

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.3	J D	0.44	7.4
Freon 22	2.2	J D	0.51	5.3
Freon-114	4.2	U	0.73	4.2
Chloromethane	0.93	J D	0.84	3.1
n-Butane	3.6	U	2.0	3.6
Vinyl chloride	0.31	U	0.29	0.31
1,3-Butadiene	1.3	U	0.28	1.3
Bromomethane	2.3	U	0.33	2.3
Chloroethane	0.35	J D	0.24	3.9
Vinyl bromide	2.6	U	0.39	2.6
Freon 11	1.2	J D	0.50	3.4
Freon 113	0.48	J D	0.41	4.6
1,1-Dichloroethene	2.4	U	0.28	2.4
Acetone	200	D	8.9	36
Isopropyl alcohol	230	D	1.6	37
Carbon disulfide	30	D	0.61	4.7
Allyl chloride	4.7	U	0.32	4.7

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-7**

Lab Sample ID: 200-21727-8
Client Matrix: Air

Date Sampled: 04/04/2014 1530
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_16.D
Dilution:	2.99			Initial Weight/Volume:	67 mL
Analysis Date:	04/11/2014 0226	Run Type:	DL	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0226			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	77	D	1.3	5.2
tert-Butyl alcohol	45	U	3.0	45
Methyl tert-butyl ether	2.2	U	0.24	2.2
trans-1,2-Dichloroethene	4.2	D	0.34	2.4
Hexane	4.0	D	0.36	2.1
1,1-Dichloroethane	2.4	U	0.46	2.4
Methyl Ethyl Ketone	34	D	2.1	4.4
cis-1,2-Dichloroethene	2.4	U	0.45	2.4
1,2-Dichloroethene, Total	4.4	D	0.76	2.4
Chloroform	2.9	U	0.36	2.9
Tetrahydrofuran	37	J D	0.41	44
1,1,1-Trichloroethane	0.45	J D	0.34	3.3
Cyclohexane	2.4	D	0.26	2.1
Carbon tetrachloride	0.75	U	0.39	0.75
2,2,4-Trimethylpentane	2.8	U	0.38	2.8
Benzene	1.5	J D	0.18	1.9
1,2-Dichloroethane	2.4	U	0.21	2.4
Heptane	7.1	D	0.56	2.5
Trichloroethene	1.7	D	0.39	0.64
Methyl methacrylate	1.6	J D	0.37	6.1
1,2-Dichloropropane	2.8	U	0.44	2.8
1,4-Dioxane	2.9	J D	2.2	54
Bromodichloromethane	4.0	U	0.34	4.0
cis-1,3-Dichloropropene	2.7	U	0.38	2.7
methyl isobutyl ketone	2.9	J D	0.33	6.1
Toluene	12	D	0.19	2.3
trans-1,3-Dichloropropene	2.7	U	0.30	2.7
1,1,2-Trichloroethane	3.3	U	0.28	3.3
Tetrachloroethene	4.2	D	0.32	4.1
Methyl Butyl Ketone (2-Hexanone)	6.1	U	2.5	6.1
Dibromochloromethane	5.1	U	0.51	5.1
1,2-Dibromoethane	4.6	U	0.46	4.6
Chlorobenzene	2.8	U	0.11	2.8
Ethylbenzene	4.1	D	0.17	2.6
m,p-Xylene	16	D	0.30	6.5
Xylene, o-	4.8	D	0.21	2.6
Xylene (total)	21	D	0.44	2.6
Styrene	2.5	U	0.23	2.5
Bromoform	6.2	U	0.31	6.2
1,1,2,2-Tetrachloroethane	4.1	U	0.33	4.1
n-Propylbenzene	1.9	J D	1.2	2.9
4-Ethyltoluene	3.0	D	0.26	2.9
1,3,5-Trimethylbenzene	3.3	D	0.18	2.9
2-Chlorotoluene	3.1	U	0.20	3.1
tert-Butylbenzene	3.3	U	0.28	3.3
1,2,4-Trimethylbenzene	18	D	0.21	2.9

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-7**

Lab Sample ID: 200-21727-8
Client Matrix: Air

Date Sampled: 04/04/2014 1530
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_16.D
Dilution:	2.99			Initial Weight/Volume:	67 mL
Analysis Date:	04/11/2014 0226	Run Type:	DL	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0226			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	3.3	U	1.3	3.3
4-Isopropyltoluene	35	D	1.3	3.3
1,3-Dichlorobenzene	0.54	J D	0.25	3.6
1,4-Dichlorobenzene	3.6	U	0.25	3.6
Benzyl chloride	3.1	U	1.2	3.1
n-Butylbenzene	3.3	U	1.3	3.3
1,2-Dichlorobenzene	3.6	U	0.25	3.6
1,2,4-Trichlorobenzene	11	U	0.60	11
Hexachloro-1,3-butadiene	6.4	U	0.70	6.4
Naphthalene	7.8	U	3.1	7.8

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-6**

Lab Sample ID: 200-21727-9
Client Matrix: Air

Date Sampled: 04/04/2014 1540
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70660	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	7002_20.D
Dilution:	2.0			Initial Weight/Volume:	500 mL
Analysis Date:	04/12/2014 0413			Final Weight/Volume:	200 mL
Prep Date:	04/12/2014 0413			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.43	J	0.060	1.0
Freon 22	1.4		0.096	1.0
Freon-114	0.40	U	0.070	0.40
Chloromethane	0.49	J	0.27	1.0
n-Butane	1.2		0.56	1.0
Vinyl chloride	0.080	U	0.076	0.080
1,3-Butadiene	0.40	U	0.084	0.40
Bromomethane	0.40	U	0.056	0.40
Chloroethane	1.0	U	0.060	1.0
Vinyl bromide	0.40	U	0.060	0.40
Freon 11	0.24	J	0.060	0.40
Freon 113	0.090	J	0.036	0.40
1,1-Dichloroethene	0.40	U	0.048	0.40
Acetone	14		2.5	10
Isopropyl alcohol	540	E	0.43	10
Carbon disulfide	0.24	J	0.13	1.0
Allyl chloride	1.0	U	0.068	1.0
Methylene Chloride	76		0.25	1.0
tert-Butyl alcohol	10	U	0.66	10
Methyl tert-butyl ether	0.40	U	0.044	0.40
trans-1,2-Dichloroethene	1.3		0.058	0.40
Hexane	1.7		0.068	0.40
1,1-Dichloroethane	0.13	J	0.076	0.40
Methyl Ethyl Ketone	2.0		0.48	1.0
cis-1,2-Dichloroethene	0.40	U	0.076	0.40
1,2-Dichloroethene, Total	1.3		0.13	0.40
Chloroform	0.34	J	0.050	0.40
Tetrahydrofuran	4.4	J	0.092	10
1,1,1-Trichloroethane	0.087	J	0.042	0.40
Cyclohexane	1.8		0.050	0.40
Carbon tetrachloride	0.058	J	0.042	0.080
2,2,4-Trimethylpentane	0.073	J	0.054	0.40
Benzene	0.21	J	0.038	0.40
1,2-Dichloroethane	0.40	U	0.034	0.40
Heptane	1.1		0.092	0.40
Trichloroethene	0.47		0.048	0.080
Methyl methacrylate	0.11	J	0.060	1.0
1,2-Dichloropropane	0.40	U	0.064	0.40
1,4-Dioxane	10	U	0.40	10
Bromodichloromethane	0.40	U	0.034	0.40
cis-1,3-Dichloropropene	0.40	U	0.056	0.40
methyl isobutyl ketone	0.14	J	0.054	1.0
Toluene	3.6		0.034	0.40
trans-1,3-Dichloropropene	0.40	U	0.044	0.40
1,1,2-Trichloroethane	0.40	U	0.034	0.40
Tetrachloroethene	1.7		0.032	0.40

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-6**

Lab Sample ID: 200-21727-9
Client Matrix: Air

Date Sampled: 04/04/2014 1540
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70660	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	7002_20.D
Dilution:	2.0			Initial Weight/Volume:	500 mL
Analysis Date:	04/12/2014 0413			Final Weight/Volume:	200 mL
Prep Date:	04/12/2014 0413			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.0	U	0.40	1.0
Dibromochloromethane	0.40	U	0.040	0.40
1,2-Dibromoethane	0.40	U	0.040	0.40
Chlorobenzene	0.40	U	0.016	0.40
Ethylbenzene	0.24	J	0.026	0.40
m,p-Xylene	0.93	J	0.046	1.0
Xylene, o-	0.30	J	0.032	0.40
Xylene (total)	1.2		0.068	0.40
Styrene	0.11	J	0.036	0.40
Bromoform	0.40	U	0.020	0.40
1,1,2,2-Tetrachloroethane	0.40	U	0.032	0.40
n-Propylbenzene	0.40	U	0.16	0.40
4-Ethyltoluene	0.22	J	0.036	0.40
1,3,5-Trimethylbenzene	0.16	J	0.024	0.40
2-Chlorotoluene	0.40	U	0.026	0.40
tert-Butylbenzene	0.40	U	0.034	0.40
1,2,4-Trimethylbenzene	0.35	J	0.028	0.40
sec-Butylbenzene	0.40	U	0.16	0.40
4-Isopropyltoluene	0.40	U	0.16	0.40
1,3-Dichlorobenzene	0.40	U	0.028	0.40
1,4-Dichlorobenzene	0.40	U	0.028	0.40
Benzyl chloride	0.40	U	0.16	0.40
n-Butylbenzene	0.40	U	0.16	0.40
1,2-Dichlorobenzene	0.40	U	0.028	0.40
1,2,4-Trichlorobenzene	1.0	U	0.054	1.0
Hexachloro-1,3-butadiene	0.40	U	0.044	0.40
Naphthalene	1.0	U	0.40	1.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.1	J	0.30	4.9
Freon 22	5.0		0.34	3.5
Freon-114	2.8	U	0.49	2.8
Chloromethane	1.0	J	0.56	2.1
n-Butane	2.8		1.3	2.4
Vinyl chloride	0.20	U	0.19	0.20
1,3-Butadiene	0.88	U	0.19	0.88
Bromomethane	1.6	U	0.22	1.6
Chloroethane	2.6	U	0.16	2.6
Vinyl bromide	1.7	U	0.26	1.7
Freon 11	1.3	J	0.34	2.2
Freon 113	0.69	J	0.28	3.1
1,1-Dichloroethene	1.6	U	0.19	1.6
Acetone	32		5.9	24
Isopropyl alcohol	1300	E	1.1	25
Carbon disulfide	0.74	J	0.41	3.1
Allyl chloride	3.1	U	0.21	3.1

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-6**

Lab Sample ID: 200-21727-9
Client Matrix: Air

Date Sampled: 04/04/2014 1540
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70660	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	7002_20.D
Dilution:	2.0			Initial Weight/Volume:	500 mL
Analysis Date:	04/12/2014 0413			Final Weight/Volume:	200 mL
Prep Date:	04/12/2014 0413			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	260		0.87	3.5
tert-Butyl alcohol	30	U	2.0	30
Methyl tert-butyl ether	1.4	U	0.16	1.4
trans-1,2-Dichloroethene	5.3		0.23	1.6
Hexane	6.1		0.24	1.4
1,1-Dichloroethane	0.54	J	0.31	1.6
Methyl Ethyl Ketone	5.9		1.4	2.9
cis-1,2-Dichloroethene	1.6	U	0.30	1.6
1,2-Dichloroethene, Total	5.2		0.51	1.6
Chloroform	1.6	J	0.24	2.0
Tetrahydrofuran	13	J	0.27	29
1,1,1-Trichloroethane	0.48	J	0.23	2.2
Cyclohexane	6.0		0.17	1.4
Carbon tetrachloride	0.36	J	0.26	0.50
2,2,4-Trimethylpentane	0.34	J	0.25	1.9
Benzene	0.67	J	0.12	1.3
1,2-Dichloroethane	1.6	U	0.14	1.6
Heptane	4.4		0.38	1.6
Trichloroethene	2.5		0.26	0.43
Methyl methacrylate	0.45	J	0.25	4.1
1,2-Dichloropropane	1.8	U	0.30	1.8
1,4-Dioxane	36	U	1.4	36
Bromodichloromethane	2.7	U	0.23	2.7
cis-1,3-Dichloropropene	1.8	U	0.25	1.8
methyl isobutyl ketone	0.58	J	0.22	4.1
Toluene	14		0.13	1.5
trans-1,3-Dichloropropene	1.8	U	0.20	1.8
1,1,2-Trichloroethane	2.2	U	0.19	2.2
Tetrachloroethene	12		0.22	2.7
Methyl Butyl Ketone (2-Hexanone)	4.1	U	1.6	4.1
Dibromochloromethane	3.4	U	0.34	3.4
1,2-Dibromoethane	3.1	U	0.31	3.1
Chlorobenzene	1.8	U	0.075	1.8
Ethylbenzene	1.1	J	0.11	1.7
m,p-Xylene	4.1	J	0.20	4.3
Xylene, o-	1.3	J	0.14	1.7
Xylene (total)	5.3		0.30	1.7
Styrene	0.49	J	0.15	1.7
Bromoform	4.1	U	0.21	4.1
1,1,2,2-Tetrachloroethane	2.7	U	0.22	2.7
n-Propylbenzene	2.0	U	0.79	2.0
4-Ethyltoluene	1.1	J	0.18	2.0
1,3,5-Trimethylbenzene	0.81	J	0.12	2.0
2-Chlorotoluene	2.1	U	0.13	2.1
tert-Butylbenzene	2.2	U	0.19	2.2
1,2,4-Trimethylbenzene	1.7	J	0.14	2.0

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-6**

Lab Sample ID: 200-21727-9
Client Matrix: Air

Date Sampled: 04/04/2014 1540
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70660	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	7002_20.D
Dilution:	2.0			Initial Weight/Volume:	500 mL
Analysis Date:	04/12/2014 0413			Final Weight/Volume:	200 mL
Prep Date:	04/12/2014 0413			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	2.2	U	0.88	2.2
4-Isopropyltoluene	2.2	U	0.88	2.2
1,3-Dichlorobenzene	2.4	U	0.17	2.4
1,4-Dichlorobenzene	2.4	U	0.17	2.4
Benzyl chloride	2.1	U	0.83	2.1
n-Butylbenzene	2.2	U	0.88	2.2
1,2-Dichlorobenzene	2.4	U	0.17	2.4
1,2,4-Trichlorobenzene	7.4	U	0.40	7.4
Hexachloro-1,3-butadiene	4.3	U	0.47	4.3
Naphthalene	5.2	U	2.1	5.2

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-5**

Lab Sample ID: 200-21727-10
Client Matrix: Air

Date Sampled: 04/04/2014 1550
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_19.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0503			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0503			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.47	J	0.030	0.50
Freon 22	2.0		0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.34	J	0.14	0.50
n-Butane	1.4		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.21		0.030	0.20
Freon 113	0.11	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	10		1.3	5.0
Isopropyl alcohol	140	E	0.22	5.0
Carbon disulfide	0.22	J	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	50	E	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	1.9		0.029	0.20
Hexane	1.3		0.034	0.20
1,1-Dichloroethane	0.11	J	0.038	0.20
Methyl Ethyl Ketone	1.2		0.24	0.50
cis-1,2-Dichloroethene	0.16	J	0.038	0.20
1,2-Dichloroethene, Total	2.1		0.064	0.20
Chloroform	0.37		0.025	0.20
Tetrahydrofuran	1.1	J	0.046	5.0
1,1,1-Trichloroethane	0.16	J	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.060		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.18	J	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.86		0.046	0.20
Trichloroethene	1.8		0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.11	J	0.027	0.50
Toluene	1.4		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.79		0.016	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-5**

Lab Sample ID: 200-21727-10
Client Matrix: Air

Date Sampled: 04/04/2014 1550
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_19.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0503			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0503			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.17	J	0.013	0.20
m,p-Xylene	0.42	J	0.023	0.50
Xylene, o-	0.085	J	0.016	0.20
Xylene (total)	0.51		0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.3	J	0.15	2.5
Freon 22	7.2		0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	0.70	J	0.28	1.0
n-Butane	3.3		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.2		0.17	1.1
Freon 113	0.87	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	24		3.0	12
Isopropyl alcohol	340	E	0.53	12
Carbon disulfide	0.67	J	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-5**

Lab Sample ID: 200-21727-10
Client Matrix: Air

Date Sampled: 04/04/2014 1550
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_19.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0503			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0503			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	180	E	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	7.6		0.11	0.79
Hexane	4.7		0.12	0.70
1,1-Dichloroethane	0.46	J	0.15	0.81
Methyl Ethyl Ketone	3.6		0.71	1.5
cis-1,2-Dichloroethene	0.62	J	0.15	0.79
1,2-Dichloroethene, Total	8.2		0.25	0.79
Chloroform	1.8		0.12	0.98
Tetrahydrofuran	3.4	J	0.14	15
1,1,1-Trichloroethane	0.85	J	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.38		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.56	J	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	3.5		0.19	0.82
Trichloroethene	9.8		0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	0.44	J	0.11	2.0
Toluene	5.4		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	5.4		0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.74	J	0.056	0.87
m,p-Xylene	1.8	J	0.10	2.2
Xylene, o-	0.37	J	0.069	0.87
Xylene (total)	2.2		0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-5**

Lab Sample ID: 200-21727-10
Client Matrix: Air

Date Sampled: 04/04/2014 1550
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_19.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0503			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0503			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-5**

Lab Sample ID: 200-21727-10
Client Matrix: Air

Date Sampled: 04/04/2014 1550
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_20.D
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	04/11/2014 0555	Run Type:	DL	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0555			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.46	J D	0.075	1.3
Freon 22	2.1	D	0.12	1.3
Freon-114	0.50	U	0.088	0.50
Chloromethane	0.39	J D	0.34	1.3
n-Butane	1.4	D	0.71	1.3
Vinyl chloride	0.10	U	0.095	0.10
1,3-Butadiene	0.50	U	0.11	0.50
Bromomethane	0.50	U	0.070	0.50
Chloroethane	1.3	U	0.075	1.3
Vinyl bromide	0.50	U	0.075	0.50
Freon 11	0.20	J D	0.075	0.50
Freon 113	0.10	J D	0.045	0.50
1,1-Dichloroethene	0.50	U	0.060	0.50
Acetone	10	J D	3.1	13
Isopropyl alcohol	170	E D	0.54	13
Carbon disulfide	0.20	J D	0.17	1.3
Allyl chloride	1.3	U	0.085	1.3
Methylene Chloride	50	D	0.31	1.3
tert-Butyl alcohol	13	U	0.82	13
Methyl tert-butyl ether	0.50	U	0.055	0.50
trans-1,2-Dichloroethene	1.9	D	0.073	0.50
Hexane	1.3	D	0.085	0.50
1,1-Dichloroethane	0.11	J D	0.095	0.50
Methyl Ethyl Ketone	1.1	J D	0.61	1.3
cis-1,2-Dichloroethene	0.14	J D	0.095	0.50
1,2-Dichloroethene, Total	2.0	D	0.16	0.50
Chloroform	0.36	J D	0.063	0.50
Tetrahydrofuran	1.1	J D	0.12	13
1,1,1-Trichloroethane	0.15	J D	0.053	0.50
Cyclohexane	0.52	D	0.063	0.50
Carbon tetrachloride	0.062	J D	0.053	0.10
2,2,4-Trimethylpentane	0.50	U	0.068	0.50
Benzene	0.19	J D	0.048	0.50
1,2-Dichloroethane	0.50	U	0.043	0.50
Heptane	0.80	D	0.12	0.50
Trichloroethene	1.7	D	0.060	0.10
Methyl methacrylate	1.3	U	0.075	1.3
1,2-Dichloropropane	0.50	U	0.080	0.50
1,4-Dioxane	13	U	0.50	13
Bromodichloromethane	0.50	U	0.043	0.50
cis-1,3-Dichloropropene	0.50	U	0.070	0.50
methyl isobutyl ketone	0.10	J D	0.068	1.3
Toluene	1.4	D	0.043	0.50
trans-1,3-Dichloropropene	0.50	U	0.055	0.50
1,1,2-Trichloroethane	0.50	U	0.043	0.50
Tetrachloroethene	0.74	D	0.040	0.50

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-5**

Lab Sample ID: 200-21727-10
Client Matrix: Air

Date Sampled: 04/04/2014 1550
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_20.D
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	04/11/2014 0555	Run Type:	DL	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0555			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.3	U	0.50	1.3
Dibromochloromethane	0.50	U	0.050	0.50
1,2-Dibromoethane	0.50	U	0.050	0.50
Chlorobenzene	0.50	U	0.020	0.50
Ethylbenzene	0.17	J D	0.033	0.50
m,p-Xylene	0.38	J D	0.058	1.3
Xylene, o-	0.080	J D	0.040	0.50
Xylene (total)	0.46	J D	0.085	0.50
Styrene	0.50	U	0.045	0.50
Bromoform	0.50	U	0.025	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.040	0.50
n-Propylbenzene	0.50	U	0.20	0.50
4-Ethyltoluene	0.50	U	0.045	0.50
1,3,5-Trimethylbenzene	0.50	U	0.030	0.50
2-Chlorotoluene	0.50	U	0.033	0.50
tert-Butylbenzene	0.50	U	0.043	0.50
1,2,4-Trimethylbenzene	0.50	U	0.035	0.50
sec-Butylbenzene	0.50	U	0.20	0.50
4-Isopropyltoluene	0.50	U	0.20	0.50
1,3-Dichlorobenzene	0.50	U	0.035	0.50
1,4-Dichlorobenzene	0.50	U	0.035	0.50
Benzyl chloride	0.50	U	0.20	0.50
n-Butylbenzene	0.50	U	0.20	0.50
1,2-Dichlorobenzene	0.50	U	0.035	0.50
1,2,4-Trichlorobenzene	1.3	U	0.068	1.3
Hexachloro-1,3-butadiene	0.50	U	0.055	0.50
Naphthalene	1.3	U	0.50	1.3

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.3	J D	0.37	6.2
Freon 22	7.3	D	0.42	4.4
Freon-114	3.5	U	0.61	3.5
Chloromethane	0.81	J D	0.70	2.6
n-Butane	3.3	D	1.7	3.0
Vinyl chloride	0.26	U	0.24	0.26
1,3-Butadiene	1.1	U	0.23	1.1
Bromomethane	1.9	U	0.27	1.9
Chloroethane	3.3	U	0.20	3.3
Vinyl bromide	2.2	U	0.33	2.2
Freon 11	1.1	J D	0.42	2.8
Freon 113	0.80	J D	0.34	3.8
1,1-Dichloroethene	2.0	U	0.24	2.0
Acetone	24	J D	7.4	30
Isopropyl alcohol	430	E D	1.3	31
Carbon disulfide	0.61	J D	0.51	3.9
Allyl chloride	3.9	U	0.27	3.9

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-5**

Lab Sample ID: 200-21727-10
Client Matrix: Air

Date Sampled: 04/04/2014 1550
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_20.D
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	04/11/2014 0555	Run Type:	DL	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0555			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	170	D	1.1	4.3
tert-Butyl alcohol	38	U	2.5	38
Methyl tert-butyl ether	1.8	U	0.20	1.8
trans-1,2-Dichloroethene	7.5	D	0.29	2.0
Hexane	4.5	D	0.30	1.8
1,1-Dichloroethane	0.43	J D	0.38	2.0
Methyl Ethyl Ketone	3.2	J D	1.8	3.7
cis-1,2-Dichloroethene	0.57	J D	0.38	2.0
1,2-Dichloroethene, Total	8.1	D	0.63	2.0
Chloroform	1.8	J D	0.31	2.4
Tetrahydrofuran	3.3	J D	0.34	37
1,1,1-Trichloroethane	0.83	J D	0.29	2.7
Cyclohexane	1.8	D	0.22	1.7
Carbon tetrachloride	0.39	J D	0.33	0.63
2,2,4-Trimethylpentane	2.3	U	0.32	2.3
Benzene	0.60	J D	0.15	1.6
1,2-Dichloroethane	2.0	U	0.17	2.0
Heptane	3.3	D	0.47	2.0
Trichloroethene	9.3	D	0.32	0.54
Methyl methacrylate	5.1	U	0.31	5.1
1,2-Dichloropropane	2.3	U	0.37	2.3
1,4-Dioxane	45	U	1.8	45
Bromodichloromethane	3.4	U	0.28	3.4
cis-1,3-Dichloropropene	2.3	U	0.32	2.3
methyl isobutyl ketone	0.42	J D	0.28	5.1
Toluene	5.2	D	0.16	1.9
trans-1,3-Dichloropropene	2.3	U	0.25	2.3
1,1,2-Trichloroethane	2.7	U	0.23	2.7
Tetrachloroethene	5.0	D	0.27	3.4
Methyl Butyl Ketone (2-Hexanone)	5.1	U	2.0	5.1
Dibromochloromethane	4.3	U	0.43	4.3
1,2-Dibromoethane	3.8	U	0.38	3.8
Chlorobenzene	2.3	U	0.093	2.3
Ethylbenzene	0.72	J D	0.14	2.2
m,p-Xylene	1.7	J D	0.25	5.4
Xylene, o-	0.35	J D	0.17	2.2
Xylene (total)	2.0	J D	0.37	2.2
Styrene	2.1	U	0.19	2.1
Bromoform	5.2	U	0.26	5.2
1,1,2,2-Tetrachloroethane	3.4	U	0.27	3.4
n-Propylbenzene	2.5	U	0.98	2.5
4-Ethyltoluene	2.5	U	0.22	2.5
1,3,5-Trimethylbenzene	2.5	U	0.15	2.5
2-Chlorotoluene	2.6	U	0.17	2.6
tert-Butylbenzene	2.7	U	0.23	2.7
1,2,4-Trimethylbenzene	2.5	U	0.17	2.5

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-5**

Lab Sample ID: 200-21727-10
Client Matrix: Air

Date Sampled: 04/04/2014 1550
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_20.D
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	04/11/2014 0555	Run Type:	DL	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0555			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	2.7	U	1.1	2.7
4-Isopropyltoluene	2.7	U	1.1	2.7
1,3-Dichlorobenzene	3.0	U	0.21	3.0
1,4-Dichlorobenzene	3.0	U	0.21	3.0
Benzyl chloride	2.6	U	1.0	2.6
n-Butylbenzene	2.7	U	1.1	2.7
1,2-Dichlorobenzene	3.0	U	0.21	3.0
1,2,4-Trichlorobenzene	9.3	U	0.50	9.3
Hexachloro-1,3-butadiene	5.3	U	0.59	5.3
Naphthalene	6.6	U	2.6	6.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-8**

Lab Sample ID: 200-21727-11
Client Matrix: Air

Date Sampled: 04/04/2014 1525
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_21.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0647			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0647			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.99		0.030	0.50
Freon 22	1.2		0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.34	J	0.14	0.50
n-Butane	5.5		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.43		0.030	0.20
Freon 113	1.1		0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	130	E	1.3	5.0
Isopropyl alcohol	150	E	0.22	5.0
Carbon disulfide	63	E	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	37		0.13	0.50
tert-Butyl alcohol	0.85	J	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	2.2		0.029	0.20
Hexane	0.42		0.034	0.20
1,1-Dichloroethane	0.38		0.038	0.20
Methyl Ethyl Ketone	25		0.24	0.50
cis-1,2-Dichloroethene	0.89		0.038	0.20
1,2-Dichloroethene, Total	3.1		0.064	0.20
Chloroform	5.7		0.025	0.20
Tetrahydrofuran	9.1		0.046	5.0
1,1,1-Trichloroethane	1.4		0.021	0.20
Cyclohexane	0.70		0.025	0.20
Carbon tetrachloride	0.065		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.66		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	10		0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	0.70	J	0.20	5.0
Bromodichloromethane	0.086	J	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.91		0.027	0.50
Toluene	2.1		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	1.4		0.016	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-8**

Lab Sample ID: 200-21727-11
Client Matrix: Air

Date Sampled: 04/04/2014 1525
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_21.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0647			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0647			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.8		0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.24		0.013	0.20
m,p-Xylene	0.84		0.023	0.50
Xylene, o-	0.26		0.016	0.20
Xylene (total)	1.1		0.034	0.20
Styrene	0.044	J	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.060	J	0.018	0.20
1,3,5-Trimethylbenzene	0.041	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.13	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.21		0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.020	J	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	4.9		0.15	2.5
Freon 22	4.1		0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	0.69	J	0.28	1.0
n-Butane	13		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	2.4		0.17	1.1
Freon 113	8.7		0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	310	E	3.0	12
Isopropyl alcohol	370	E	0.53	12
Carbon disulfide	190	E	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-8**

Lab Sample ID: 200-21727-11
Client Matrix: Air

Date Sampled: 04/04/2014 1525
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_21.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0647			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0647			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	130		0.43	1.7
tert-Butyl alcohol	2.6	J	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	8.6		0.11	0.79
Hexane	1.5		0.12	0.70
1,1-Dichloroethane	1.6		0.15	0.81
Methyl Ethyl Ketone	74		0.71	1.5
cis-1,2-Dichloroethene	3.5		0.15	0.79
1,2-Dichloroethene, Total	12		0.25	0.79
Chloroform	28		0.12	0.98
Tetrahydrofuran	27		0.14	15
1,1,1-Trichloroethane	7.4		0.11	1.1
Cyclohexane	2.4		0.086	0.69
Carbon tetrachloride	0.41		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	2.1		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	55		0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	2.5	J	0.72	18
Bromodichloromethane	0.58	J	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	3.7		0.11	2.0
Toluene	7.9		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	9.2		0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	7.3		0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	1.0		0.056	0.87
m,p-Xylene	3.7		0.10	2.2
Xylene, o-	1.1		0.069	0.87
Xylene (total)	4.8		0.15	0.87
Styrene	0.19	J	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.29	J	0.088	0.98
1,3,5-Trimethylbenzene	0.20	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.62	J	0.069	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-8**

Lab Sample ID: 200-21727-11
Client Matrix: Air

Date Sampled: 04/04/2014 1525
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_21.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0647			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0647			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1		0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	0.12	J	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-8**

Lab Sample ID: 200-21727-11
Client Matrix: Air

Date Sampled: 04/04/2014 1525
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_22.D
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	04/11/2014 0739	Run Type:	DL	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0739			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.92	J D	0.12	2.0
Freon 22	1.0	J D	0.19	2.0
Freon-114	0.80	U	0.14	0.80
Chloromethane	2.0	U	0.54	2.0
n-Butane	5.2	D	1.1	2.0
Vinyl chloride	0.16	U	0.15	0.16
1,3-Butadiene	0.80	U	0.17	0.80
Bromomethane	0.80	U	0.11	0.80
Chloroethane	2.0	U	0.12	2.0
Vinyl bromide	0.80	U	0.12	0.80
Freon 11	0.40	J D	0.12	0.80
Freon 113	1.1	D	0.072	0.80
1,1-Dichloroethene	0.80	U	0.096	0.80
Acetone	120	D	5.0	20
Isopropyl alcohol	160	E D	0.86	20
Carbon disulfide	56	D	0.26	2.0
Allyl chloride	2.0	U	0.14	2.0
Methylene Chloride	34	D	0.50	2.0
tert-Butyl alcohol	20	U	1.3	20
Methyl tert-butyl ether	0.80	U	0.088	0.80
trans-1,2-Dichloroethene	2.0	D	0.12	0.80
Hexane	0.36	J D	0.14	0.80
1,1-Dichloroethane	0.34	J D	0.15	0.80
Methyl Ethyl Ketone	23	D	0.97	2.0
cis-1,2-Dichloroethene	0.82	D	0.15	0.80
1,2-Dichloroethene, Total	2.8	D	0.26	0.80
Chloroform	5.2	D	0.10	0.80
Tetrahydrofuran	7.8	J D	0.18	20
1,1,1-Trichloroethane	1.2	D	0.084	0.80
Cyclohexane	0.60	J D	0.10	0.80
Carbon tetrachloride	0.16	U	0.084	0.16
2,2,4-Trimethylpentane	0.80	U	0.11	0.80
Benzene	0.60	J D	0.076	0.80
1,2-Dichloroethane	0.80	U	0.068	0.80
Heptane	0.80	U	0.18	0.80
Trichloroethene	9.3	D	0.096	0.16
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.80	U	0.13	0.80
1,4-Dioxane	20	U	0.80	20
Bromodichloromethane	0.80	U	0.068	0.80
cis-1,3-Dichloropropene	0.80	U	0.11	0.80
methyl isobutyl ketone	0.74	J D	0.11	2.0
Toluene	1.9	D	0.068	0.80
trans-1,3-Dichloropropene	0.80	U	0.088	0.80
1,1,2-Trichloroethane	0.80	U	0.068	0.80
Tetrachloroethene	1.3	D	0.064	0.80

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-8**

Lab Sample ID: 200-21727-11
Client Matrix: Air

Date Sampled: 04/04/2014 1525
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_22.D
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	04/11/2014 0739	Run Type:	DL	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0739			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.4	J D	0.80	2.0
Dibromochloromethane	0.80	U	0.080	0.80
1,2-Dibromoethane	0.80	U	0.080	0.80
Chlorobenzene	0.80	U	0.032	0.80
Ethylbenzene	0.22	J D	0.052	0.80
m,p-Xylene	0.78	J D	0.092	2.0
Xylene, o-	0.25	J D	0.064	0.80
Xylene (total)	1.0	D	0.14	0.80
Styrene	0.80	U	0.072	0.80
Bromoform	0.80	U	0.040	0.80
1,1,2,2-Tetrachloroethane	0.80	U	0.064	0.80
n-Propylbenzene	0.80	U	0.32	0.80
4-Ethyltoluene	0.80	U	0.072	0.80
1,3,5-Trimethylbenzene	0.80	U	0.048	0.80
2-Chlorotoluene	0.80	U	0.052	0.80
tert-Butylbenzene	0.80	U	0.068	0.80
1,2,4-Trimethylbenzene	0.11	J D	0.056	0.80
sec-Butylbenzene	0.80	U	0.32	0.80
4-Isopropyltoluene	0.80	U	0.32	0.80
1,3-Dichlorobenzene	0.80	U	0.056	0.80
1,4-Dichlorobenzene	0.80	U	0.056	0.80
Benzyl chloride	0.80	U	0.32	0.80
n-Butylbenzene	0.80	U	0.32	0.80
1,2-Dichlorobenzene	0.80	U	0.056	0.80
1,2,4-Trichlorobenzene	2.0	U	0.11	2.0
Hexachloro-1,3-butadiene	0.80	U	0.088	0.80
Naphthalene	2.0	U	0.80	2.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	4.5	J D	0.59	9.9
Freon 22	3.7	J D	0.68	7.1
Freon-114	5.6	U	0.98	5.6
Chloromethane	4.1	U	1.1	4.1
n-Butane	12	D	2.7	4.8
Vinyl chloride	0.41	U	0.39	0.41
1,3-Butadiene	1.8	U	0.37	1.8
Bromomethane	3.1	U	0.43	3.1
Chloroethane	5.3	U	0.32	5.3
Vinyl bromide	3.5	U	0.52	3.5
Freon 11	2.2	J D	0.67	4.5
Freon 113	8.1	D	0.55	6.1
1,1-Dichloroethene	3.2	U	0.38	3.2
Acetone	280	D	12	48
Isopropyl alcohol	400	E D	2.1	49
Carbon disulfide	170	D	0.82	6.2
Allyl chloride	6.3	U	0.43	6.3

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-8**

Lab Sample ID: 200-21727-11
Client Matrix: Air

Date Sampled: 04/04/2014 1525
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_22.D
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	04/11/2014 0739	Run Type:	DL	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0739			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	120	D	1.7	6.9
tert-Butyl alcohol	61	U	4.0	61
Methyl tert-butyl ether	2.9	U	0.32	2.9
trans-1,2-Dichloroethene	7.9	D	0.46	3.2
Hexane	1.3	J D	0.48	2.8
1,1-Dichloroethane	1.4	J D	0.62	3.2
Methyl Ethyl Ketone	67	D	2.9	5.9
cis-1,2-Dichloroethene	3.2	D	0.60	3.2
1,2-Dichloroethene, Total	11	D	1.0	3.2
Chloroform	25	D	0.49	3.9
Tetrahydrofuran	23	J D	0.54	59
1,1,1-Trichloroethane	6.7	D	0.46	4.4
Cyclohexane	2.1	J D	0.34	2.8
Carbon tetrachloride	1.0	U	0.53	1.0
2,2,4-Trimethylpentane	3.7	U	0.50	3.7
Benzene	1.9	J D	0.24	2.6
1,2-Dichloroethane	3.2	U	0.28	3.2
Heptane	3.3	U	0.75	3.3
Trichloroethene	50	D	0.52	0.86
Methyl methacrylate	8.2	U	0.49	8.2
1,2-Dichloropropane	3.7	U	0.59	3.7
1,4-Dioxane	72	U	2.9	72
Bromodichloromethane	5.4	U	0.46	5.4
cis-1,3-Dichloropropene	3.6	U	0.51	3.6
methyl isobutyl ketone	3.0	J D	0.44	8.2
Toluene	7.2	D	0.26	3.0
trans-1,3-Dichloropropene	3.6	U	0.40	3.6
1,1,2-Trichloroethane	4.4	U	0.37	4.4
Tetrachloroethene	9.1	D	0.43	5.4
Methyl Butyl Ketone (2-Hexanone)	5.8	J D	3.3	8.2
Dibromochloromethane	6.8	U	0.68	6.8
1,2-Dibromoethane	6.1	U	0.61	6.1
Chlorobenzene	3.7	U	0.15	3.7
Ethylbenzene	0.96	J D	0.23	3.5
m,p-Xylene	3.4	J D	0.40	8.7
Xylene, o-	1.1	J D	0.28	3.5
Xylene (total)	4.5	D	0.59	3.5
Styrene	3.4	U	0.31	3.4
Bromoform	8.3	U	0.41	8.3
1,1,2,2-Tetrachloroethane	5.5	U	0.44	5.5
n-Propylbenzene	3.9	U	1.6	3.9
4-Ethyltoluene	3.9	U	0.35	3.9
1,3,5-Trimethylbenzene	3.9	U	0.24	3.9
2-Chlorotoluene	4.1	U	0.27	4.1
tert-Butylbenzene	4.4	U	0.37	4.4
1,2,4-Trimethylbenzene	0.56	J D	0.28	3.9

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SDS-8**

Lab Sample ID: 200-21727-11
Client Matrix: Air

Date Sampled: 04/04/2014 1525
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_22.D
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	04/11/2014 0739	Run Type:	DL	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0739			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	4.4	U	1.8	4.4
4-Isopropyltoluene	4.4	U	1.8	4.4
1,3-Dichlorobenzene	4.8	U	0.34	4.8
1,4-Dichlorobenzene	4.8	U	0.34	4.8
Benzyl chloride	4.1	U	1.7	4.1
n-Butylbenzene	4.4	U	1.8	4.4
1,2-Dichlorobenzene	4.8	U	0.34	4.8
1,2,4-Trichlorobenzene	15	U	0.80	15
Hexachloro-1,3-butadiene	8.5	U	0.94	8.5
Naphthalene	10	U	4.2	10

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SSDS POST CARBON**

Lab Sample ID: 200-21727-12
Client Matrix: Air

Date Sampled: 04/04/2014 1135
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_23.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0831			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0831			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.92		0.030	0.50
Freon 22	0.77		0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.29	J	0.14	0.50
n-Butane	1.4		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	2.8		0.030	0.20
Freon 113	0.26		0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	6.8		1.3	5.0
Isopropyl alcohol	71	E	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	23		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.49		0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.18	J	0.038	0.20
Methyl Ethyl Ketone	0.33	J	0.24	0.50
cis-1,2-Dichloroethene	0.72		0.038	0.20
1,2-Dichloroethene, Total	1.2		0.064	0.20
Chloroform	2.2		0.025	0.20
Tetrahydrofuran	2.3	J	0.046	5.0
1,1,1-Trichloroethane	0.50		0.021	0.20
Cyclohexane	0.94		0.025	0.20
Carbon tetrachloride	0.059		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.044	J	0.027	0.50
Toluene	0.34		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.098	J	0.016	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SSDS POST CARBON**

Lab Sample ID: 200-21727-12
Client Matrix: Air

Date Sampled: 04/04/2014 1135
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_23.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0831			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0831			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.049	J	0.013	0.20
m,p-Xylene	0.18	J	0.023	0.50
Xylene, o-	0.057	J	0.016	0.20
Xylene (total)	0.24		0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.015	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.031	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	4.6		0.15	2.5
Freon 22	2.7		0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	0.60	J	0.28	1.0
n-Butane	3.4		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	15		0.17	1.1
Freon 113	2.0		0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	16		3.0	12
Isopropyl alcohol	170	E	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SSDS POST CARBON**

Lab Sample ID: 200-21727-12
Client Matrix: Air

Date Sampled: 04/04/2014 1135
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_23.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0831			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0831			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	80		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	1.9		0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.73	J	0.15	0.81
Methyl Ethyl Ketone	0.98	J	0.71	1.5
cis-1,2-Dichloroethene	2.8		0.15	0.79
1,2-Dichloroethene, Total	4.8		0.25	0.79
Chloroform	11		0.12	0.98
Tetrahydrofuran	6.8	J	0.14	15
1,1,1-Trichloroethane	2.7		0.11	1.1
Cyclohexane	3.3		0.086	0.69
Carbon tetrachloride	0.37		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	0.18	J	0.11	2.0
Toluene	1.3		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	0.67	J	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.21	J	0.056	0.87
m,p-Xylene	0.79	J	0.10	2.2
Xylene, o-	0.25	J	0.069	0.87
Xylene (total)	1.0		0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.072	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.15	J	0.069	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SSDS POST CARBON**

Lab Sample ID: 200-21727-12
Client Matrix: Air

Date Sampled: 04/04/2014 1135
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_23.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0831			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0831			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SSDS MID CARBON**

Lab Sample ID: 200-21727-13
Client Matrix: Air

Date Sampled: 04/04/2014 1125
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_24.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0924			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0924			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.95		0.030	0.50
Freon 22	0.72		0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.34	J	0.14	0.50
n-Butane	1.7		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	1.3		0.030	0.20
Freon 113	0.19	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	3.6	J	1.3	5.0
Isopropyl alcohol	33		0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	18		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.28		0.029	0.20
Hexane	0.041	J	0.034	0.20
1,1-Dichloroethane	0.088	J	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.46		0.038	0.20
1,2-Dichloroethene, Total	0.74		0.064	0.20
Chloroform	1.3		0.025	0.20
Tetrahydrofuran	0.92	J	0.046	5.0
1,1,1-Trichloroethane	0.32		0.021	0.20
Cyclohexane	0.47		0.025	0.20
Carbon tetrachloride	0.049		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.36		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.10		0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.085	J	0.027	0.50
Toluene	0.76		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.042	J	0.016	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SSDS MID CARBON**

Lab Sample ID: 200-21727-13
Client Matrix: Air

Date Sampled: 04/04/2014 1125
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_24.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0924			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0924			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.096	J	0.013	0.20
m,p-Xylene	0.35	J	0.023	0.50
Xylene, o-	0.11	J	0.016	0.20
Xylene (total)	0.46		0.034	0.20
Styrene	0.034	J	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.020	J	0.018	0.20
1,3,5-Trimethylbenzene	0.019	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.048	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	4.7		0.15	2.5
Freon 22	2.5		0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	0.70	J	0.28	1.0
n-Butane	3.9		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	7.2		0.17	1.1
Freon 113	1.5	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	8.6	J	3.0	12
Isopropyl alcohol	81		0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SSDS MID CARBON**

Lab Sample ID: 200-21727-13
Client Matrix: Air

Date Sampled: 04/04/2014 1125
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_24.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0924			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0924			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	63		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	1.1		0.11	0.79
Hexane	0.14	J	0.12	0.70
1,1-Dichloroethane	0.36	J	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	1.8		0.15	0.79
1,2-Dichloroethene, Total	2.9		0.25	0.79
Chloroform	6.3		0.12	0.98
Tetrahydrofuran	2.7	J	0.14	15
1,1,1-Trichloroethane	1.8		0.11	1.1
Cyclohexane	1.6		0.086	0.69
Carbon tetrachloride	0.31		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	1.1		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.55		0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	0.35	J	0.11	2.0
Toluene	2.9		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	0.28	J	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.42	J	0.056	0.87
m,p-Xylene	1.5	J	0.10	2.2
Xylene, o-	0.48	J	0.069	0.87
Xylene (total)	2.0		0.15	0.87
Styrene	0.14	J	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.10	J	0.088	0.98
1,3,5-Trimethylbenzene	0.093	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.24	J	0.069	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Client Sample ID: **SSDS MID CARBON**

Lab Sample ID: 200-21727-13
Client Matrix: Air

Date Sampled: 04/04/2014 1125
Date Received: 04/05/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6977_24.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 0924			Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 0924			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Method Blank - Batch: 200-70599

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-70599/4	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6977_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 1559	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 1559			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	0.50	U	0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.20	U	0.030	0.20
Freon 113	0.20	U	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.0	U	1.3	5.0
Isopropyl alcohol	5.0	U	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.50	U	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.20	U	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Method Blank - Batch: 200-70599

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-70599/4	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6977_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 1559	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 1559			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.20	U	0.016	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.20	U	0.013	0.20
m,p-Xylene	0.50	U	0.023	0.50
Xylene, o-	0.20	U	0.016	0.20
Xylene (total)	0.20	U	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Method Blank - Batch: 200-70599

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-70599/4	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6977_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 1559	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 1559			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	2.5	U	0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.1	U	0.17	1.1
Freon 113	1.5	U	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12	U	3.0	12
Isopropyl alcohol	12	U	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6
Methylene Chloride	1.7	U	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	0.75	U	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Method Blank - Batch: 200-70599

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-70599/4	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6977_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 1559	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 1559			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.87	U	0.056	0.87
m,p-Xylene	2.2	U	0.10	2.2
Xylene, o-	0.87	U	0.069	0.87
Xylene (total)	0.87	U	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Control Sample - Batch: 200-70599

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-70599/3	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6977_03.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 1507	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 1507			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Freon 12	10.0	9.76	98	70 - 130	
Freon 22	10.0	9.65	97	70 - 130	
Freon-114	10.0	10.4	104	70 - 130	
Chloromethane	10.0	9.08	91	70 - 130	
n-Butane	10.0	9.42	94	70 - 130	
Vinyl chloride	10.0	8.68	87	70 - 130	
1,3-Butadiene	10.0	9.06	91	70 - 130	
Bromomethane	10.0	9.47	95	70 - 130	
Chloroethane	10.0	9.96	100	70 - 130	
Vinyl bromide	10.0	9.13	91	70 - 130	
Freon 11	10.0	9.03	90	70 - 130	
Freon 113	10.0	9.27	93	70 - 130	
1,1-Dichloroethene	10.0	9.33	93	70 - 130	
Acetone	10.0	9.45	94	70 - 130	
Isopropyl alcohol	10.0	8.33	83	70 - 130	
Carbon disulfide	10.0	11.1	111	70 - 130	
Allyl chloride	10.0	8.45	84	70 - 130	
Methylene Chloride	10.0	9.31	93	70 - 130	
tert-Butyl alcohol	10.0	8.87	89	70 - 130	
Methyl tert-butyl ether	10.0	9.52	95	70 - 130	
trans-1,2-Dichloroethene	10.0	10.0	100	70 - 130	
Hexane	10.0	9.77	98	70 - 130	
1,1-Dichloroethane	10.0	8.89	89	70 - 130	
Methyl Ethyl Ketone	10.0	8.71	87	70 - 130	
cis-1,2-Dichloroethene	10.0	9.04	90	70 - 130	
Chloroform	10.0	9.18	92	70 - 130	
Tetrahydrofuran	10.0	9.49	95	70 - 130	
1,1,1-Trichloroethane	10.0	9.17	92	70 - 130	
Cyclohexane	10.0	9.04	90	70 - 130	
Carbon tetrachloride	10.0	8.96	90	70 - 130	
2,2,4-Trimethylpentane	10.0	8.65	87	70 - 130	
Benzene	10.0	8.79	88	70 - 130	
1,2-Dichloroethane	10.0	9.08	91	70 - 130	
Heptane	10.0	8.35	83	70 - 130	
Trichloroethene	10.0	8.72	87	70 - 130	
Methyl methacrylate	10.0	9.33	93	70 - 130	
1,2-Dichloropropane	10.0	8.47	85	70 - 130	
1,4-Dioxane	10.0	8.88	89	70 - 130	
Bromodichloromethane	10.0	8.92	89	70 - 130	
cis-1,3-Dichloropropene	10.0	9.12	91	70 - 130	
methyl isobutyl ketone	10.0	8.72	87	70 - 130	
Toluene	10.0	8.93	89	70 - 130	
trans-1,3-Dichloropropene	10.0	8.82	88	70 - 130	
1,1,2-Trichloroethane	10.0	9.00	90	70 - 130	
Tetrachloroethene	10.0	9.03	90	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.81	88	70 - 130	

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Control Sample - Batch: 200-70599

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-70599/3	Analysis Batch:	200-70599	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6977_03.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/10/2014 1507	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/10/2014 1507			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	8.90	89	70 - 130	
1,2-Dibromoethane	10.0	9.01	90	70 - 130	
Chlorobenzene	10.0	8.79	88	70 - 130	
Ethylbenzene	10.0	8.78	88	70 - 130	
m,p-Xylene	20.0	17.8	89	70 - 130	
Xylene, o-	10.0	8.82	88	70 - 130	
Styrene	10.0	8.88	89	70 - 130	
Bromoform	10.0	9.14	91	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	8.80	88	70 - 130	
n-Propylbenzene	10.0	8.86	89	70 - 130	
4-Ethyltoluene	10.0	9.18	92	70 - 130	
1,3,5-Trimethylbenzene	10.0	8.84	88	70 - 130	
2-Chlorotoluene	10.0	8.88	89	70 - 130	
tert-Butylbenzene	10.0	8.94	89	70 - 130	
1,2,4-Trimethylbenzene	10.0	8.78	88	70 - 130	
sec-Butylbenzene	10.0	9.09	91	70 - 130	
4-Isopropyltoluene	10.0	9.09	91	70 - 130	
1,3-Dichlorobenzene	10.0	8.93	89	70 - 130	
1,4-Dichlorobenzene	10.0	8.83	88	70 - 130	
Benzyl chloride	10.0	8.55	86	70 - 130	
n-Butylbenzene	10.0	8.90	89	70 - 130	
1,2-Dichlorobenzene	10.0	8.81	88	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.13	91	70 - 130	
Hexachloro-1,3-butadiene	10.0	9.56	96	70 - 130	
Naphthalene	10.0	8.41	84	70 - 130	

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Method Blank - Batch: 200-70660

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-70660/4	Analysis Batch:	200-70660	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	7002_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 1419	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 1419			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	0.50	U	0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.20	U	0.030	0.20
Freon 113	0.20	U	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.0	U	1.3	5.0
Isopropyl alcohol	5.0	U	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.50	U	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.20	U	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Method Blank - Batch: 200-70660

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-70660/4	Analysis Batch:	200-70660	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	7002_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 1419	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 1419			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.20	U	0.016	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.20	U	0.013	0.20
m,p-Xylene	0.50	U	0.023	0.50
Xylene, o-	0.20	U	0.016	0.20
Xylene (total)	0.20	U	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Method Blank - Batch: 200-70660

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-70660/4	Analysis Batch:	200-70660	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	7002_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 1419	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 1419			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	2.5	U	0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.1	U	0.17	1.1
Freon 113	1.5	U	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12	U	3.0	12
Isopropyl alcohol	12	U	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6
Methylene Chloride	1.7	U	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	0.75	U	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Method Blank - Batch: 200-70660

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-70660/4	Analysis Batch:	200-70660	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	7002_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 1419	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 1419			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.87	U	0.056	0.87
m,p-Xylene	2.2	U	0.10	2.2
Xylene, o-	0.87	U	0.069	0.87
Xylene (total)	0.87	U	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Control Sample - Batch: 200-70660

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-70660/3	Analysis Batch:	200-70660	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	7002_03.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 1327	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 1327			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Freon 12	10.0	9.76	98	70 - 130	
Freon 22	10.0	9.70	97	70 - 130	
Freon-114	10.0	10.3	103	70 - 130	
Chloromethane	10.0	9.16	92	70 - 130	
n-Butane	10.0	9.40	94	70 - 130	
Vinyl chloride	10.0	8.68	87	70 - 130	
1,3-Butadiene	10.0	9.10	91	70 - 130	
Bromomethane	10.0	9.54	95	70 - 130	
Chloroethane	10.0	10.1	101	70 - 130	
Vinyl bromide	10.0	9.11	91	70 - 130	
Freon 11	10.0	8.95	90	70 - 130	
Freon 113	10.0	9.22	92	70 - 130	
1,1-Dichloroethene	10.0	9.16	92	70 - 130	
Acetone	10.0	9.56	96	70 - 130	
Isopropyl alcohol	10.0	8.67	87	70 - 130	
Carbon disulfide	10.0	11.0	110	70 - 130	
Allyl chloride	10.0	8.48	85	70 - 130	
Methylene Chloride	10.0	9.55	95	70 - 130	
tert-Butyl alcohol	10.0	9.45	95	70 - 130	
Methyl tert-butyl ether	10.0	9.49	95	70 - 130	
trans-1,2-Dichloroethene	10.0	9.90	99	70 - 130	
Hexane	10.0	9.59	96	70 - 130	
1,1-Dichloroethane	10.0	8.92	89	70 - 130	
Methyl Ethyl Ketone	10.0	8.64	86	70 - 130	
cis-1,2-Dichloroethene	10.0	8.91	89	70 - 130	
Chloroform	10.0	9.01	90	70 - 130	
Tetrahydrofuran	10.0	9.55	96	70 - 130	
1,1,1-Trichloroethane	10.0	9.17	92	70 - 130	
Cyclohexane	10.0	8.99	90	70 - 130	
Carbon tetrachloride	10.0	8.94	89	70 - 130	
2,2,4-Trimethylpentane	10.0	8.64	86	70 - 130	
Benzene	10.0	8.73	87	70 - 130	
1,2-Dichloroethane	10.0	9.13	91	70 - 130	
Heptane	10.0	8.39	84	70 - 130	
Trichloroethene	10.0	8.62	86	70 - 130	
Methyl methacrylate	10.0	9.29	93	70 - 130	
1,2-Dichloropropane	10.0	8.46	85	70 - 130	
1,4-Dioxane	10.0	9.00	90	70 - 130	
Bromodichloromethane	10.0	8.89	89	70 - 130	
cis-1,3-Dichloropropene	10.0	9.05	90	70 - 130	
methyl isobutyl ketone	10.0	8.77	88	70 - 130	
Toluene	10.0	8.83	88	70 - 130	
trans-1,3-Dichloropropene	10.0	8.75	88	70 - 130	
1,1,2-Trichloroethane	10.0	8.93	89	70 - 130	
Tetrachloroethene	10.0	8.89	89	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.82	88	70 - 130	

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Control Sample - Batch: 200-70660

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-70660/3	Analysis Batch:	200-70660	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	7002_03.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/11/2014 1327	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/11/2014 1327			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	8.82	88	70 - 130	
1,2-Dibromoethane	10.0	8.89	89	70 - 130	
Chlorobenzene	10.0	8.70	87	70 - 130	
Ethylbenzene	10.0	8.70	87	70 - 130	
m,p-Xylene	20.0	17.7	89	70 - 130	
Xylene, o-	10.0	8.76	88	70 - 130	
Styrene	10.0	8.79	88	70 - 130	
Bromoform	10.0	9.07	91	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	8.77	88	70 - 130	
n-Propylbenzene	10.0	8.81	88	70 - 130	
4-Ethyltoluene	10.0	9.14	91	70 - 130	
1,3,5-Trimethylbenzene	10.0	8.81	88	70 - 130	
2-Chlorotoluene	10.0	8.84	88	70 - 130	
tert-Butylbenzene	10.0	8.89	89	70 - 130	
1,2,4-Trimethylbenzene	10.0	8.72	87	70 - 130	
sec-Butylbenzene	10.0	8.97	90	70 - 130	
4-Isopropyltoluene	10.0	9.02	90	70 - 130	
1,3-Dichlorobenzene	10.0	8.81	88	70 - 130	
1,4-Dichlorobenzene	10.0	8.71	87	70 - 130	
Benzyl chloride	10.0	8.55	86	70 - 130	
n-Butylbenzene	10.0	8.92	89	70 - 130	
1,2-Dichlorobenzene	10.0	8.77	88	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.05	91	70 - 130	
Hexachloro-1,3-butadiene	10.0	9.43	94	70 - 130	
Naphthalene	10.0	8.40	84	70 - 130	

DATA REPORTING QUALIFIERS

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

Lab Section	Qualifier	Description
Air - GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
Sdg Number: 200-21727

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-70599					
LCS 200-70599/3	Lab Control Sample	T	Air	TO-15	
MB 200-70599/4	Method Blank	T	Air	TO-15	
200-21727-1	GCTS PRE CARBON	T	Air	TO-15	
200-21727-2	GCTS POST CARBON	T	Air	TO-15	
200-21727-3	GCTS MID CARBON	T	Air	TO-15	
200-21727-4	SDS-3	T	Air	TO-15	
200-21727-5	SDS-1	T	Air	TO-15	
200-21727-5DL	SDS-1	T	Air	TO-15	
200-21727-6	SDS-2	T	Air	TO-15	
200-21727-7	SDS-4	T	Air	TO-15	
200-21727-8	SDS-7	T	Air	TO-15	
200-21727-8DL	SDS-7	T	Air	TO-15	
200-21727-10	SDS-5	T	Air	TO-15	
200-21727-10DL	SDS-5	T	Air	TO-15	
200-21727-11	SDS-8	T	Air	TO-15	
200-21727-11DL	SDS-8	T	Air	TO-15	
200-21727-12	SSDS POST CARBON	T	Air	TO-15	
200-21727-13	SSDS MID CARBON	T	Air	TO-15	
Analysis Batch:200-70660					
LCS 200-70660/3	Lab Control Sample	T	Air	TO-15	
MB 200-70660/4	Method Blank	T	Air	TO-15	
200-21727-9	SDS-6	T	Air	TO-15	

Report Basis
T = Total

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
SDG: 200-21727

Laboratory Chronicle

Lab ID: 200-21727-1 **Client ID:** GCTS PRE CARBON

Sample Date/Time: 04/04/2014 09:40 Received Date/Time: 04/05/2014 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-21727-A-1		200-70599		04/10/2014 18:36	1	TAL BUR	WRD
A:TO-15	200-21727-A-1		200-70599		04/10/2014 18:36	1	TAL BUR	WRD

Lab ID: 200-21727-2 **Client ID:** GCTS POST CARBON

Sample Date/Time: 04/04/2014 09:26 Received Date/Time: 04/05/2014 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-21727-A-2		200-70599		04/10/2014 19:28	1	TAL BUR	WRD
A:TO-15	200-21727-A-2		200-70599		04/10/2014 19:28	1	TAL BUR	WRD

Lab ID: 200-21727-3 **Client ID:** GCTS MID CARBON

Sample Date/Time: 04/04/2014 09:30 Received Date/Time: 04/05/2014 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-21727-A-3		200-70599		04/10/2014 20:20	1	TAL BUR	WRD
A:TO-15	200-21727-A-3		200-70599		04/10/2014 20:20	1	TAL BUR	WRD

Lab ID: 200-21727-4 **Client ID:** SDS-3

Sample Date/Time: 04/04/2014 14:45 Received Date/Time: 04/05/2014 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-21727-A-4		200-70599		04/10/2014 21:13	1	TAL BUR	WRD
A:TO-15	200-21727-A-4		200-70599		04/10/2014 21:13	1	TAL BUR	WRD

Lab ID: 200-21727-5 **Client ID:** SDS-1

Sample Date/Time: 04/04/2014 14:55 Received Date/Time: 04/05/2014 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-21727-A-5		200-70599		04/10/2014 22:05	1	TAL BUR	WRD
A:TO-15	200-21727-A-5		200-70599		04/10/2014 22:05	1	TAL BUR	WRD
P:Summa Canister	200-21727-A-5	DL	200-70599		04/10/2014 22:57	2.5	TAL BUR	WRD
A:TO-15	200-21727-A-5	DL	200-70599		04/10/2014 22:57	2.5	TAL BUR	WRD

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
SDG: 200-21727

Laboratory Chronicle

Lab ID: 200-21727-6 **Client ID: SDS-2**

Sample Date/Time: 04/04/2014 15:15 Received Date/Time: 04/05/2014 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-21727-A-6		200-70599		04/10/2014 23:49	1	TAL BUR	WRD
A:TO-15	200-21727-A-6		200-70599		04/10/2014 23:49	1	TAL BUR	WRD

Lab ID: 200-21727-7 **Client ID: SDS-4**

Sample Date/Time: 04/04/2014 14:05 Received Date/Time: 04/05/2014 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-21727-A-7		200-70599		04/11/2014 00:42	1	TAL BUR	WRD
A:TO-15	200-21727-A-7		200-70599		04/11/2014 00:42	1	TAL BUR	WRD

Lab ID: 200-21727-8 **Client ID: SDS-7**

Sample Date/Time: 04/04/2014 15:30 Received Date/Time: 04/05/2014 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-21727-A-8		200-70599		04/11/2014 01:34	1	TAL BUR	WRD
A:TO-15	200-21727-A-8		200-70599		04/11/2014 01:34	1	TAL BUR	WRD
P:Summa Canister	200-21727-A-8	DL	200-70599		04/11/2014 02:26	2.99	TAL BUR	WRD
A:TO-15	200-21727-A-8	DL	200-70599		04/11/2014 02:26	2.99	TAL BUR	WRD

Lab ID: 200-21727-9 **Client ID: SDS-6**

Sample Date/Time: 04/04/2014 15:40 Received Date/Time: 04/05/2014 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-21727-A-9		200-70660		04/12/2014 04:13	2	TAL BUR	WRD
A:TO-15	200-21727-A-9		200-70660		04/12/2014 04:13	2	TAL BUR	WRD

Lab ID: 200-21727-10 **Client ID: SDS-5**

Sample Date/Time: 04/04/2014 15:50 Received Date/Time: 04/05/2014 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-21727-A-10		200-70599		04/11/2014 05:03	1	TAL BUR	WRD
A:TO-15	200-21727-A-10		200-70599		04/11/2014 05:03	1	TAL BUR	WRD
P:Summa Canister	200-21727-A-10	DL	200-70599		04/11/2014 05:55	2.5	TAL BUR	WRD
A:TO-15	200-21727-A-10	DL	200-70599		04/11/2014 05:55	2.5	TAL BUR	WRD

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
SDG: 200-21727

Laboratory Chronicle

Lab ID: 200-21727-11 **Client ID:** SDS-8

Sample Date/Time: 04/04/2014 15:25 Received Date/Time: 04/05/2014 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-21727-A-11		200-70599		04/11/2014 06:47	1	TAL BUR	WRD
A:TO-15	200-21727-A-11		200-70599		04/11/2014 06:47	1	TAL BUR	WRD
P:Summa Canister	200-21727-A-11	DL	200-70599		04/11/2014 07:39	4	TAL BUR	WRD
A:TO-15	200-21727-A-11	DL	200-70599		04/11/2014 07:39	4	TAL BUR	WRD

Lab ID: 200-21727-12 **Client ID:** SSDS POST CARBON

Sample Date/Time: 04/04/2014 11:35 Received Date/Time: 04/05/2014 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-21727-A-12		200-70599		04/11/2014 08:31	1	TAL BUR	WRD
A:TO-15	200-21727-A-12		200-70599		04/11/2014 08:31	1	TAL BUR	WRD

Lab ID: 200-21727-13 **Client ID:** SSDS MID CARBON

Sample Date/Time: 04/04/2014 11:25 Received Date/Time: 04/05/2014 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-21727-A-13		200-70599		04/11/2014 09:24	1	TAL BUR	WRD
A:TO-15	200-21727-A-13		200-70599		04/11/2014 09:24	1	TAL BUR	WRD

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-70599/4		200-70599		04/10/2014 15:59	1	TAL BUR	WRD
A:TO-15	MB 200-70599/4		200-70599		04/10/2014 15:59	1	TAL BUR	WRD
P:Summa Canister	MB 200-70660/4		200-70660		04/11/2014 14:19	1	TAL BUR	WRD
A:TO-15	MB 200-70660/4		200-70660		04/11/2014 14:19	1	TAL BUR	WRD

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
SDG: 200-21727

Laboratory Chronicle

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-70599/3		200-70599		04/10/2014 15:07	1	TAL BUR	WRD
A:TO-15	LCS 200-70599/3		200-70599		04/10/2014 15:07	1	TAL BUR	WRD
P:Summa Canister	LCS 200-70660/3		200-70660		04/11/2014 13:27	1	TAL BUR	WRD
A:TO-15	LCS 200-70660/3		200-70660		04/11/2014 13:27	1	TAL BUR	WRD

Lab References:
TAL BUR = TestAmerica Burlington

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: LMC Utica

TestAmerica Job ID: 200-21727-1
SDG: 200-21727

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA
TestAmerica Burlington	Florida	NELAP	4	E87467
TestAmerica Burlington	L-A-B	DoD ELAP		L2336
TestAmerica Burlington	Louisiana	NELAP	6	176292
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAP	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAP	1	2006
TestAmerica Burlington	New Jersey	NELAP	2	VT972
TestAmerica Burlington	New York	NELAP	2	10391
TestAmerica Burlington	Pennsylvania	NELAP	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	US Fish & Wildlife	Federal		LE-058448-0
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAP	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method TO15

Volatile Organic Compounds (GC/MS)
by Method TO15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Matrix: Air Level: Low Lab File ID: 6977_03.D

Lab ID: LCS 200-70599/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 12	10.0	9.76	98	70-130	
Freon 22	10.0	9.65	97	70-130	
Freon-114	10.0	10.4	104	70-130	
Chloromethane	10.0	9.08	91	70-130	
n-Butane	10.0	9.42	94	70-130	
Vinyl chloride	10.0	8.68	87	70-130	
1,3-Butadiene	10.0	9.06	91	70-130	
Bromomethane	10.0	9.47	95	70-130	
Chloroethane	10.0	9.96	100	70-130	
Vinyl bromide	10.0	9.13	91	70-130	
Freon 11	10.0	9.03	90	70-130	
Freon 113	10.0	9.27	93	70-130	
1,1-Dichloroethene	10.0	9.33	93	70-130	
Acetone	10.0	9.45	94	70-130	
Isopropyl alcohol	10.0	8.33	83	70-130	
Carbon disulfide	10.0	11.1	111	70-130	
Allyl chloride	10.0	8.45	84	70-130	
Methylene Chloride	10.0	9.31	93	70-130	
tert-Butyl alcohol	10.0	8.87	89	70-130	
Methyl tert-butyl ether	10.0	9.52	95	70-130	
trans-1,2-Dichloroethene	10.0	10.0	100	70-130	
Hexane	10.0	9.77	98	70-130	
1,1-Dichloroethane	10.0	8.89	89	70-130	
Methyl Ethyl Ketone	10.0	8.71	87	70-130	
cis-1,2-Dichloroethene	10.0	9.04	90	70-130	
Chloroform	10.0	9.18	92	70-130	
Tetrahydrofuran	10.0	9.49	95	70-130	
1,1,1-Trichloroethane	10.0	9.17	92	70-130	
Cyclohexane	10.0	9.04	90	70-130	
Carbon tetrachloride	10.0	8.96	90	70-130	
2,2,4-Trimethylpentane	10.0	8.65	87	70-130	
Benzene	10.0	8.79	88	70-130	
1,2-Dichloroethane	10.0	9.08	91	70-130	
Heptane	10.0	8.35	83	70-130	
Trichloroethene	10.0	8.72	87	70-130	
Methyl methacrylate	10.0	9.33	93	70-130	
1,2-Dichloropropane	10.0	8.47	85	70-130	
1,4-Dioxane	10.0	8.88	89	70-130	
Bromodichloromethane	10.0	8.92	89	70-130	
cis-1,3-Dichloropropene	10.0	9.12	91	70-130	
methyl isobutyl ketone	10.0	8.72	87	70-130	
Toluene	10.0	8.93	89	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Matrix: Air Level: Low Lab File ID: 6977_03.D

Lab ID: LCS 200-70599/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	8.82	88	70-130	
1,1,2-Trichloroethane	10.0	9.00	90	70-130	
Tetrachloroethene	10.0	9.03	90	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.81	88	70-130	
Dibromochloromethane	10.0	8.90	89	70-130	
1,2-Dibromoethane	10.0	9.01	90	70-130	
Chlorobenzene	10.0	8.79	88	70-130	
Ethylbenzene	10.0	8.78	88	70-130	
m,p-Xylene	20.0	17.8	89	70-130	
Xylene, o-	10.0	8.82	88	70-130	
Styrene	10.0	8.88	89	70-130	
Bromoform	10.0	9.14	91	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.80	88	70-130	
n-Propylbenzene	10.0	8.86	89	70-130	
4-Ethyltoluene	10.0	9.18	92	70-130	
1,3,5-Trimethylbenzene	10.0	8.84	88	70-130	
2-Chlorotoluene	10.0	8.88	89	70-130	
tert-Butylbenzene	10.0	8.94	89	70-130	
1,2,4-Trimethylbenzene	10.0	8.78	88	70-130	
sec-Butylbenzene	10.0	9.09	91	70-130	
4-Isopropyltoluene	10.0	9.09	91	70-130	
1,3-Dichlorobenzene	10.0	8.93	89	70-130	
1,4-Dichlorobenzene	10.0	8.83	88	70-130	
Benzyl chloride	10.0	8.55	86	70-130	
n-Butylbenzene	10.0	8.90	89	70-130	
1,2-Dichlorobenzene	10.0	8.81	88	70-130	
1,2,4-Trichlorobenzene	10.0	9.13	91	70-130	
Hexachloro-1,3-butadiene	10.0	9.56	96	70-130	
Naphthalene	10.0	8.41	84	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Matrix: Air Level: Low Lab File ID: 7002_03.D

Lab ID: LCS 200-70660/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 12	10.0	9.76	98	70-130	
Freon 22	10.0	9.70	97	70-130	
Freon-114	10.0	10.3	103	70-130	
Chloromethane	10.0	9.16	92	70-130	
n-Butane	10.0	9.40	94	70-130	
Vinyl chloride	10.0	8.68	87	70-130	
1,3-Butadiene	10.0	9.10	91	70-130	
Bromomethane	10.0	9.54	95	70-130	
Chloroethane	10.0	10.1	101	70-130	
Vinyl bromide	10.0	9.11	91	70-130	
Freon 11	10.0	8.95	90	70-130	
Freon 113	10.0	9.22	92	70-130	
1,1-Dichloroethene	10.0	9.16	92	70-130	
Acetone	10.0	9.56	96	70-130	
Isopropyl alcohol	10.0	8.67	87	70-130	
Carbon disulfide	10.0	11.0	110	70-130	
Allyl chloride	10.0	8.48	85	70-130	
Methylene Chloride	10.0	9.55	95	70-130	
tert-Butyl alcohol	10.0	9.45	95	70-130	
Methyl tert-butyl ether	10.0	9.49	95	70-130	
trans-1,2-Dichloroethene	10.0	9.90	99	70-130	
Hexane	10.0	9.59	96	70-130	
1,1-Dichloroethane	10.0	8.92	89	70-130	
Methyl Ethyl Ketone	10.0	8.64	86	70-130	
cis-1,2-Dichloroethene	10.0	8.91	89	70-130	
Chloroform	10.0	9.01	90	70-130	
Tetrahydrofuran	10.0	9.55	96	70-130	
1,1,1-Trichloroethane	10.0	9.17	92	70-130	
Cyclohexane	10.0	8.99	90	70-130	
Carbon tetrachloride	10.0	8.94	89	70-130	
2,2,4-Trimethylpentane	10.0	8.64	86	70-130	
Benzene	10.0	8.73	87	70-130	
1,2-Dichloroethane	10.0	9.13	91	70-130	
Heptane	10.0	8.39	84	70-130	
Trichloroethene	10.0	8.62	86	70-130	
Methyl methacrylate	10.0	9.29	93	70-130	
1,2-Dichloropropane	10.0	8.46	85	70-130	
1,4-Dioxane	10.0	9.00	90	70-130	
Bromodichloromethane	10.0	8.89	89	70-130	
cis-1,3-Dichloropropene	10.0	9.05	90	70-130	
methyl isobutyl ketone	10.0	8.77	88	70-130	
Toluene	10.0	8.83	88	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Matrix: Air Level: Low Lab File ID: 7002_03.D

Lab ID: LCS 200-70660/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	8.75	88	70-130	
1,1,2-Trichloroethane	10.0	8.93	89	70-130	
Tetrachloroethene	10.0	8.89	89	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.82	88	70-130	
Dibromochloromethane	10.0	8.82	88	70-130	
1,2-Dibromoethane	10.0	8.89	89	70-130	
Chlorobenzene	10.0	8.70	87	70-130	
Ethylbenzene	10.0	8.70	87	70-130	
m,p-Xylene	20.0	17.7	89	70-130	
Xylene, o-	10.0	8.76	88	70-130	
Styrene	10.0	8.79	88	70-130	
Bromoform	10.0	9.07	91	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.77	88	70-130	
n-Propylbenzene	10.0	8.81	88	70-130	
4-Ethyltoluene	10.0	9.14	91	70-130	
1,3,5-Trimethylbenzene	10.0	8.81	88	70-130	
2-Chlorotoluene	10.0	8.84	88	70-130	
tert-Butylbenzene	10.0	8.89	89	70-130	
1,2,4-Trimethylbenzene	10.0	8.72	87	70-130	
sec-Butylbenzene	10.0	8.97	90	70-130	
4-Isopropyltoluene	10.0	9.02	90	70-130	
1,3-Dichlorobenzene	10.0	8.81	88	70-130	
1,4-Dichlorobenzene	10.0	8.71	87	70-130	
Benzyl chloride	10.0	8.55	86	70-130	
n-Butylbenzene	10.0	8.92	89	70-130	
1,2-Dichlorobenzene	10.0	8.77	88	70-130	
1,2,4-Trichlorobenzene	10.0	9.05	91	70-130	
Hexachloro-1,3-butadiene	10.0	9.43	94	70-130	
Naphthalene	10.0	8.40	84	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Lab File ID: 6977_04.D Lab Sample ID: MB 200-70599/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHC.i Date Analyzed: 04/10/2014 15:59

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-70599/3	6977_03.D	04/10/2014 15:07
GCTS PRE CARBON	200-21727-1	6977_07.D	04/10/2014 18:36
GCTS POST CARBON	200-21727-2	6977_08.D	04/10/2014 19:28
GCTS MID CARBON	200-21727-3	6977_09.D	04/10/2014 20:20
SDS-3	200-21727-4	6977_10.D	04/10/2014 21:13
SDS-1	200-21727-5	6977_11.D	04/10/2014 22:05
SDS-1 DL	200-21727-5 DL	6977_12.D	04/10/2014 22:57
SDS-2	200-21727-6	6977_13.D	04/10/2014 23:49
SDS-4	200-21727-7	6977_14.D	04/11/2014 00:42
SDS-7	200-21727-8	6977_15.D	04/11/2014 01:34
SDS-7 DL	200-21727-8 DL	6977_16.D	04/11/2014 02:26
SDS-5	200-21727-10	6977_19.D	04/11/2014 05:03
SDS-5 DL	200-21727-10 DL	6977_20.D	04/11/2014 05:55
SDS-8	200-21727-11	6977_21.D	04/11/2014 06:47
SDS-8 DL	200-21727-11 DL	6977_22.D	04/11/2014 07:39
SSDS POST CARBON	200-21727-12	6977_23.D	04/11/2014 08:31
SSDS MID CARBON	200-21727-13	6977_24.D	04/11/2014 09:24

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Lab File ID: 7002_04.D Lab Sample ID: MB 200-70660/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHC.i Date Analyzed: 04/11/2014 14:19

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-70660/3	7002_03.D	04/11/2014 13:27
SDS-6	200-21727-9	7002_20.D	04/12/2014 04:13

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Lab File ID: 6584_01.D BFB Injection Date: 03/18/2014

Instrument ID: CHC.i BFB Injection Time: 07:56

Analysis Batch No.: 69583

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.8	
75	30.0 - 66.0% of mass 95	46.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.4	(0.5)1
174	50.0 - 120.0% of mass 95	77.1	
175	4.0 - 9.0 % of mass 174	5.4	(7.0)1
176	93.0 - 101.0% of mass 174	74.6	(96.8)1
177	5.0 - 9.0% of mass 176	4.8	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-69583/3	6584_03.D	03/18/2014	09:42
	IC 200-69583/4	6584_04.D	03/18/2014	10:34
	IC 200-69583/6	6584_06.D	03/18/2014	12:18
	ICIS 200-69583/7	6584_07.D	03/18/2014	13:10
	IC 200-69583/8	6584_08.D	03/18/2014	14:03
	IC 200-69583/17	6584_17.D	03/18/2014	14:55
	IC 200-69583/9	6584_09.D	03/18/2014	15:47
	IC 200-69583/10	6584_10.D	03/18/2014	16:40
	ICV 200-69583/13	6584_13.D	03/18/2014	19:09

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Lab File ID: 6977_01.D BFB Injection Date: 04/10/2014

Instrument ID: CHC.i BFB Injection Time: 13:21

Analysis Batch No.: 70599

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.8	
75	30.0 - 66.0% of mass 95	44.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.4	(0.5)1
174	50.0 - 120.0% of mass 95	86.1	
175	4.0 - 9.0 % of mass 174	6.0	(6.9)1
176	93.0 - 101.0% of mass 174	82.9	(96.3)1
177	5.0 - 9.0% of mass 176	5.4	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-70599/2	6977_02.D	04/10/2014	14:14
	LCS 200-70599/3	6977_03.D	04/10/2014	15:07
	MB 200-70599/4	6977_04.D	04/10/2014	15:59
GCTS PRE CARBON	200-21727-1	6977_07.D	04/10/2014	18:36
GCTS POST CARBON	200-21727-2	6977_08.D	04/10/2014	19:28
GCTS MID CARBON	200-21727-3	6977_09.D	04/10/2014	20:20
SDS-3	200-21727-4	6977_10.D	04/10/2014	21:13
SDS-1	200-21727-5	6977_11.D	04/10/2014	22:05
SDS-1 DL	200-21727-5 DL	6977_12.D	04/10/2014	22:57
SDS-2	200-21727-6	6977_13.D	04/10/2014	23:49
SDS-4	200-21727-7	6977_14.D	04/11/2014	00:42
SDS-7	200-21727-8	6977_15.D	04/11/2014	01:34
SDS-7 DL	200-21727-8 DL	6977_16.D	04/11/2014	02:26
SDS-5	200-21727-10	6977_19.D	04/11/2014	05:03
SDS-5 DL	200-21727-10 DL	6977_20.D	04/11/2014	05:55
SDS-8	200-21727-11	6977_21.D	04/11/2014	06:47
SDS-8 DL	200-21727-11 DL	6977_22.D	04/11/2014	07:39
SSDS POST CARBON	200-21727-12	6977_23.D	04/11/2014	08:31
SSDS MID CARBON	200-21727-13	6977_24.D	04/11/2014	09:24

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Lab File ID: 7002_01.D BFB Injection Date: 04/11/2014

Instrument ID: CHC.i BFB Injection Time: 11:42

Analysis Batch No.: 70660

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.2	
75	30.0 - 66.0% of mass 95	44.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.3	(0.3)1
174	50.0 - 120.0% of mass 95	82.7	
175	4.0 - 9.0 % of mass 174	5.8	(7.0)1
176	93.0 - 101.0% of mass 174	79.7	(96.4)1
177	5.0 - 9.0% of mass 176	5.1	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-70660/2	7002_02.D	04/11/2014	12:35
	LCS 200-70660/3	7002_03.D	04/11/2014	13:27
	MB 200-70660/4	7002_04.D	04/11/2014	14:19
SDS-6	200-21727-9	7002_20.D	04/12/2014	04:13

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Sample No.: ICIS 200-69583/7 Date Analyzed: 03/18/2014 13:10

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6584_07.D Heated Purge: (Y/N) N

Calibration ID: 26036

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		599013	10.92	3215123	12.99	3281594	19.13
UPPER LIMIT		838618	11.25	4501172	13.32	4594232	19.46
LOWER LIMIT		359408	10.59	1929074	12.66	1968956	18.80
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-69583/13		695752	10.91	3933850	12.98	4013451	19.12

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Sample No.: CCVIS 200-70599/2 Date Analyzed: 04/10/2014 14:14

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6977_02.D Heated Purge: (Y/N) N

Calibration ID: 26036

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		549061	10.91	2928743	12.98	3016254	19.12
UPPER LIMIT		768685	11.24	4100240	13.31	4222756	19.45
LOWER LIMIT		329437	10.58	1757246	12.65	1809752	18.79
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-70599/3		569719	10.91	3128512	12.97	3196582	19.12
MB 200-70599/4		545175	10.91	3022310	12.97	2961927	19.12
200-21727-1	GCTS PRE CARBON	527803	10.91	2797448	12.97	2827054	19.12
200-21727-2	GCTS POST CARBON	508754	10.91	2703610	12.97	2635557	19.12
200-21727-3	GCTS MID CARBON	494462	10.90	2585309	12.97	2534117	19.11
200-21727-4	SDS-3	491332	10.91	2564645	12.97	2542754	19.12
200-21727-5	SDS-1	501801	10.90	2658086	12.97	2747615	19.12
200-21727-5 DL	SDS-1 DL	509356	10.91	2674953	12.97	2713194	19.12
200-21727-6	SDS-2	502555	10.91	2663525	12.97	2752200	19.12
200-21727-7	SDS-4	496252	10.91	2629186	12.97	2681259	19.12
200-21727-8	SDS-7	545260	10.91	2926191	12.97	3000506	19.12
200-21727-8 DL	SDS-7 DL	572901	10.91	3138407	12.97	3193199	19.12
200-21727-10	SDS-5	525760	10.90	2783447	12.97	2748436	19.12
200-21727-10 DL	SDS-5 DL	509031	10.91	2684208	12.97	2624632	19.12
200-21727-11	SDS-8	513424	10.91	2735309	12.98	2731044	19.12
200-21727-11 DL	SDS-8 DL	552511	10.91	3019488	12.97	3004666	19.12
200-21727-12	SSDS POST CARBON	541305	10.90	2906422	12.97	2884566	19.11
200-21727-13	SSDS MID CARBON	525358	10.90	2783214	12.97	2733200	19.11

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Sample No.: CCVIS 200-70660/2 Date Analyzed: 04/11/2014 12:35

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 7002_02.D Heated Purge: (Y/N) N

Calibration ID: 26036

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		530972	10.91	2865209	12.97	2925940	19.12
UPPER LIMIT		743361	11.24	4011293	13.30	4096316	19.45
LOWER LIMIT		318583	10.58	1719125	12.64	1755564	18.79
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-70660/3		561035	10.91	3055687	12.97	3119495	19.12
MB 200-70660/4		539377	10.90	2976019	12.97	2919759	19.12
200-21727-9	SDS-6	581815	10.90	3217041	12.97	3220509	19.11

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-21727-1

Matrix: Air Lab File ID: 6977_07.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:40

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 18:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.47	J	0.50	0.030
75-45-6	Freon 22	86.47	0.25	J	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.49	J	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.48		0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.19	J	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.23		0.20	0.030
76-13-1	Freon 113	187.38	4.0		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.099	J	0.20	0.024
67-64-1	Acetone	58.08	2.3	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	0.47	J	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.33	J	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.093	J	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	3.6		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.56		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	23		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	23		0.20	0.064
67-66-3	Chloroform	119.38	0.088	J	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.064		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.10	J	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-21727-1

Matrix: Air Lab File ID: 6977_07.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:40

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 18:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	23		0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.18	J	0.50	0.027
108-88-3	Toluene	92.14	0.14	J	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	21		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.27		0.20	0.013
179601-23-1	m,p-Xylene	106.17	1.0		0.50	0.023
95-47-6	Xylene, o-	106.17	0.25		0.20	0.016
1330-20-7	Xylene (total)	106.17	1.3		0.20	0.034
100-42-5	Styrene	104.15	0.020	J	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.014	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.041	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-21727-1

Matrix: Air Lab File ID: 6977_07.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:40

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 18:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-21727-1

Matrix: Air Lab File ID: 6977_07.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:40

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 18:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.3	J	2.5	0.15
75-45-6	Freon 22	86.47	0.89	J	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	J	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	1.2		0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	0.49	J	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.3		1.1	0.17
76-13-1	Freon 113	187.38	31		1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.39	J	0.79	0.095
67-64-1	Acetone	58.08	5.4	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	1.1	J	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.1	J	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.37	J	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	15		0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.6		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	89		0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	92		0.79	0.25
67-66-3	Chloroform	119.38	0.43	J	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.40		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.32	J	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-21727-1

Matrix: Air Lab File ID: 6977_07.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:40

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 18:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	130		0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.74	J	2.0	0.11
108-88-3	Toluene	92.14	0.52	J	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	140		1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	1.2		0.87	0.056
179601-23-1	m,p-Xylene	106.17	4.4		2.2	0.10
95-47-6	Xylene, o-	106.17	1.1		0.87	0.069
1330-20-7	Xylene (total)	106.17	5.4		0.87	0.15
100-42-5	Styrene	104.15	0.084	J	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.069	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-21727-1

Matrix: Air Lab File ID: 6977_07.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:40

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 18:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D
Lims ID: 200-21727-A-1 Lab Sample ID: 200-21727-1
Client ID: GCTS PRE CARBON
Sample Type: Client
Inject. Date: 10-Apr-2014 18:36:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006977-007
Misc. Info.: 21727-1
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 10:41:40 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 10:41:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.256	3.256	0.000	98	63523	0.4672	
6 Chlorodifluoromethane	51	3.320	3.315	0.005	86	11531	0.2523	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50	3.693	3.699	-0.006	93	11001	0.4893	
9 Butane	43	3.912	3.912	0.000	80	8935	0.2488	
10 Vinyl chloride	62	3.966	3.966	0.000	85	16548	0.4843	
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64	5.054	5.049	0.005	56	2734	0.1867	
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101	5.567	5.567	0.000	93	38514	0.2286	
23 1,1,2-Trichloro-1,2,2-trif	101	6.709	6.714	-0.005	88	410453	4.04	
24 1,1-Dichloroethene	96	6.752	6.752	0.000	47	4590	0.0992	
25 Acetone	43	7.040	7.034	0.006	88	89903	2.29	
26 Carbon disulfide	76		7.141					
27 Isopropyl alcohol	45	7.387	7.355	0.032	86	13457	0.4678	
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.894	7.894	0.000	59	9262	0.3271	
32 2-Methyl-2-propanol	59		8.155					
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61	8.347	8.342	0.005	39	4380	0.0929	
36 Hexane	57		8.732					
37 1,1-Dichloroethane	63	9.255	9.260	-0.005	99	242186	3.60	
S 41 1,2-Dichloroethene, Total	61				0		22.6	
39 cis-1,2-Dichloroethene	96	10.418	10.418	0.000	90	1344572	22.5	
40 2-Butanone (MEK)	72	10.514	10.498	0.016	96	12394	0.5563	
* 43 Chlorobromomethane	128	10.909	10.909	0.000	64	527803	10.0	
44 Tetrahydrofuran	42		10.925					
45 Chloroform	83	11.048	11.048	0.000	63	10913	0.0881	
46 Cyclohexane	84		11.283					
47 1,1,1-Trichloroethane	97		11.325					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.581	11.581	0.000	87	12047	0.0636	
51 Isooctane	57		12.035					
50 Benzene	78	12.078	12.083	-0.005	75	16534	0.0996	
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43		12.451					
* 54 1,4-Difluorobenzene	114	12.974	12.980	-0.006	91	2797448	10.0	
56 Trichloroethene	95	13.455	13.460	-0.005	92	2378650	23.3	
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69		14.234					
60 1,4-Dioxane	88		14.303					
62 Dichlorobromomethane	83		14.629					
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43	15.915	15.894	0.021	84	16879	0.1818	
66 Toluene	92	16.177	16.182	-0.006	84	22192	0.1378	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166	17.265	17.265	0.000	94	4391296	21.2	
73 2-Hexanone	43		17.639					
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	79	2827054	10.0	
77 Chlorobenzene	112		19.181					
78 Ethylbenzene	91	19.325	19.325	0.000	96	103043	0.2711	
81 m-Xylene & p-Xylene	106	19.571	19.576	-0.005	99	165899	1.01	
S 82 Xylenes, Total	106				0		1.26	
83 o-Xylene	106	20.382	20.387	-0.005	88	39662	0.2474	
84 Styrene	104	20.435	20.435	0.000	1	4885	0.0197	
85 Bromoform	173		20.836					
$ 87 4-Bromofluorobenzene	95	21.375	21.375	0.000	95	1857299	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91		21.706					
91 4-Ethyltoluene	105		21.882					
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105	21.983	21.983	0.000	65	5937	0.0140	
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105	22.549	22.549	0.000	82	17569	0.0407	
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119		22.965					
100 1,3-Dichlorobenzene	146		23.008					
101 1,4-Dichlorobenzene	146		23.141					
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
105 1,2-Dichlorobenzene	146		23.696					
107 1,2,4-Trichlorobenzene	180		26.322					
108 Hexachlorobutadiene	225		26.509					
109 Naphthalene	128		26.850					

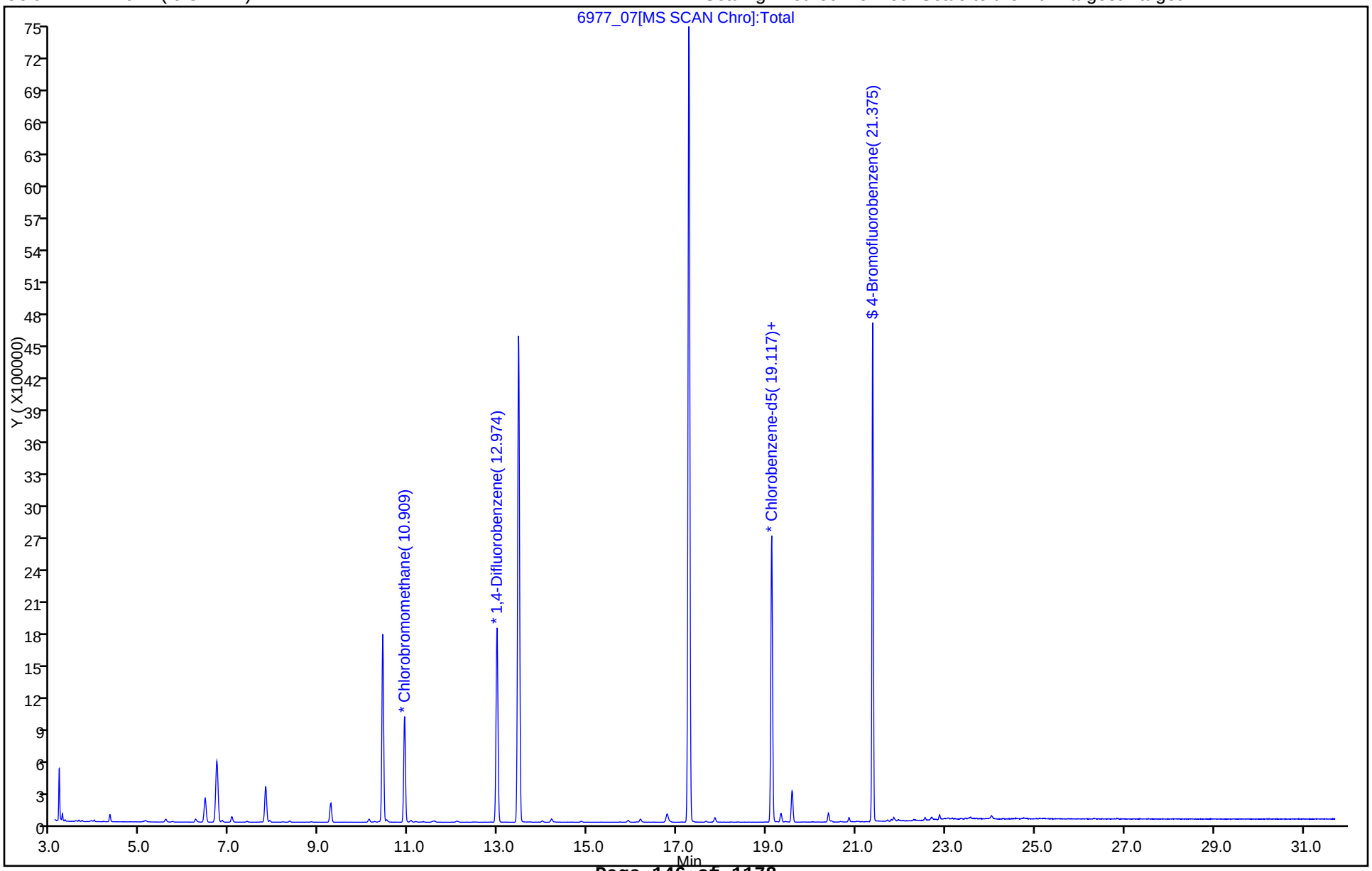
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1	Worklist Smp#:	7
Client ID:	GCTS PRE CARBON				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



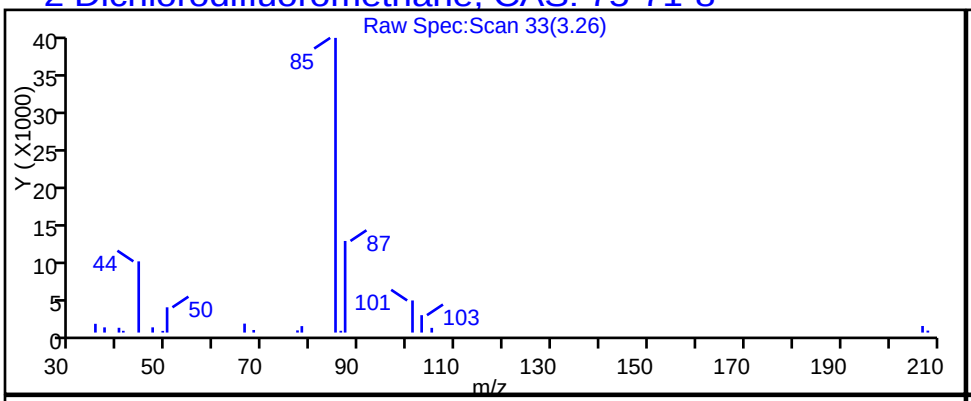
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

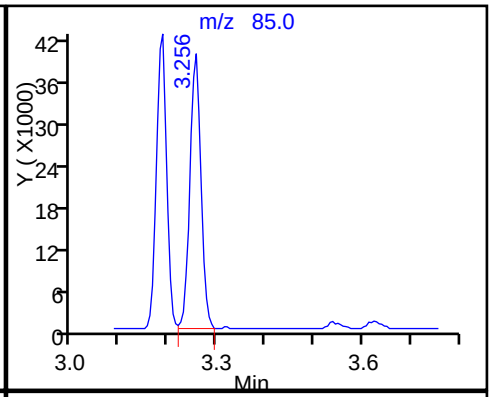
TestAmerica Burlington

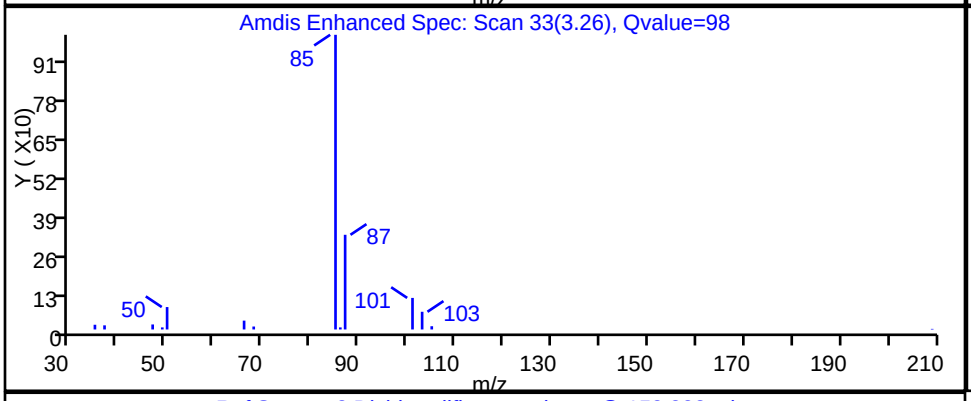
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

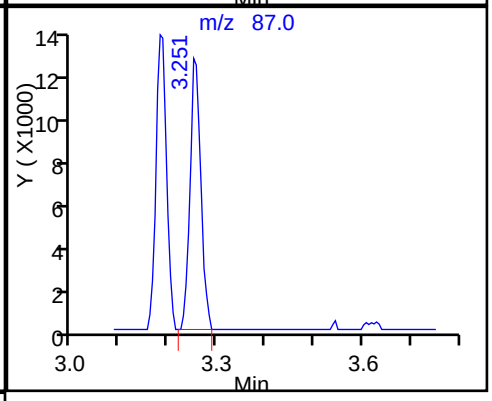
Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

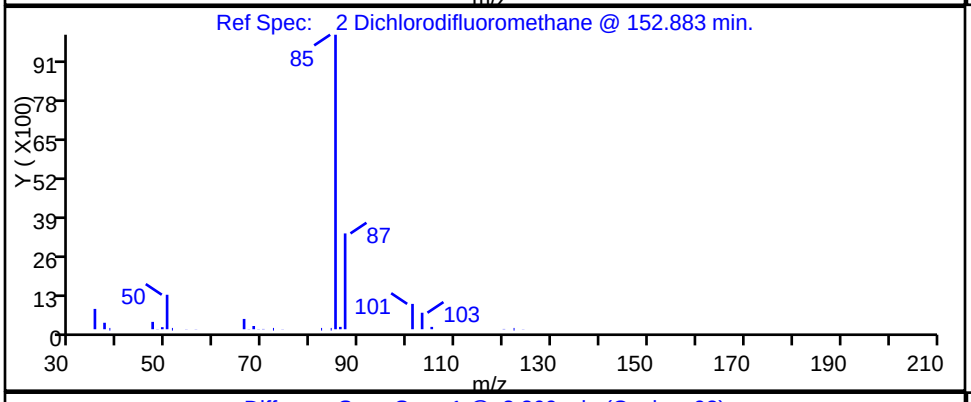
2 Dichlorodifluoromethane, CAS: 75-71-8

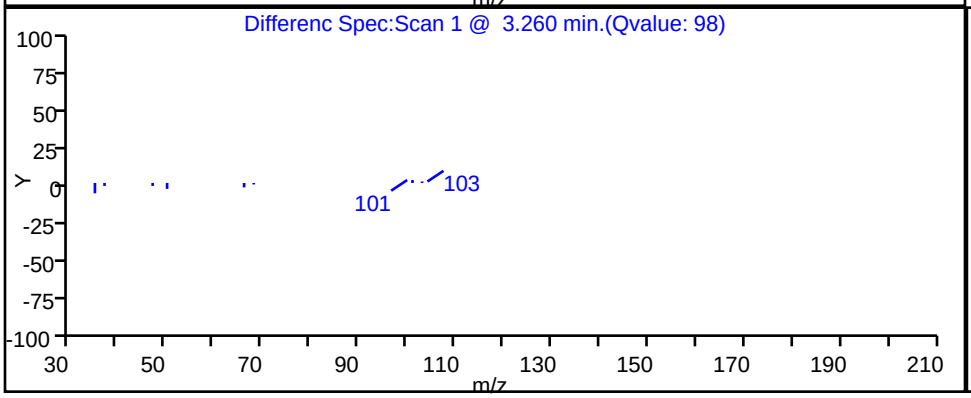


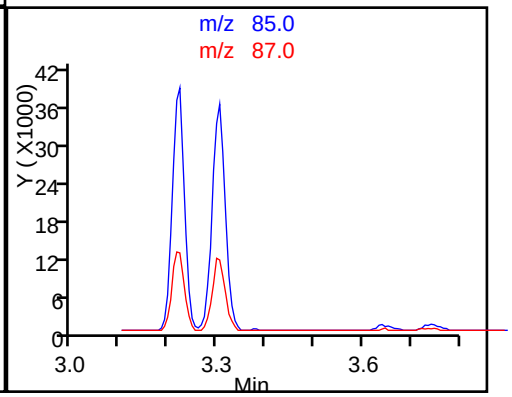












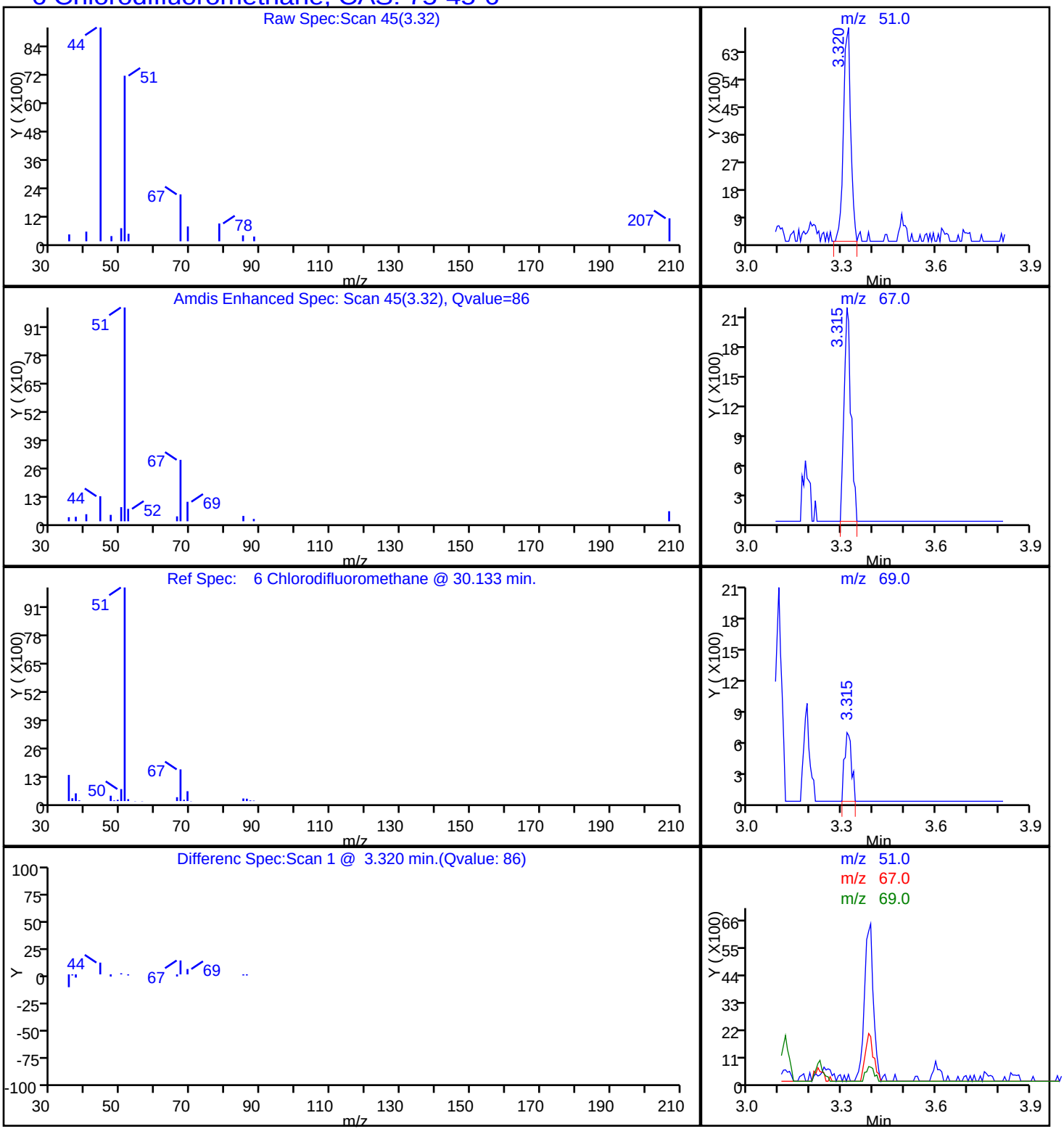
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



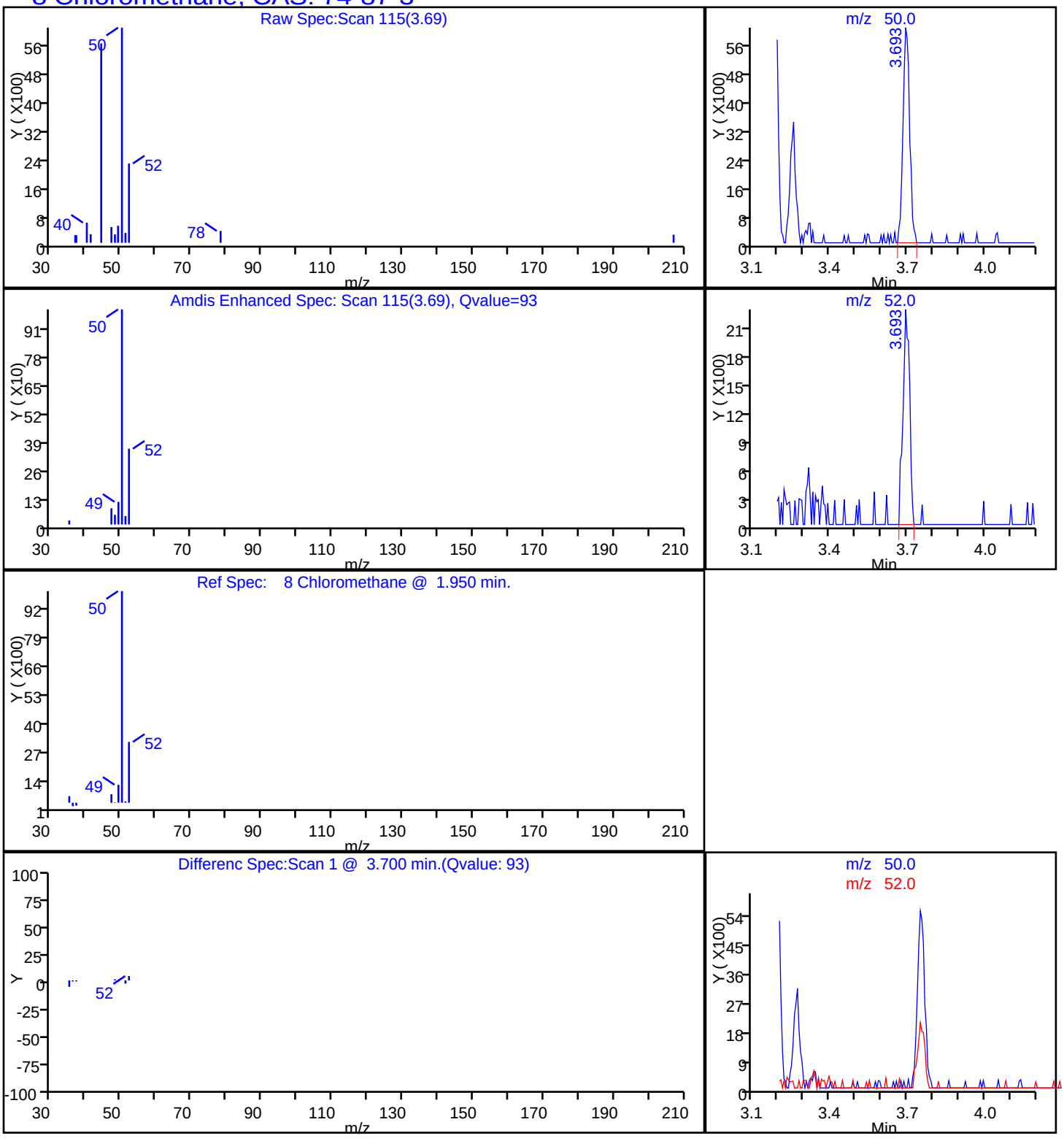
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3



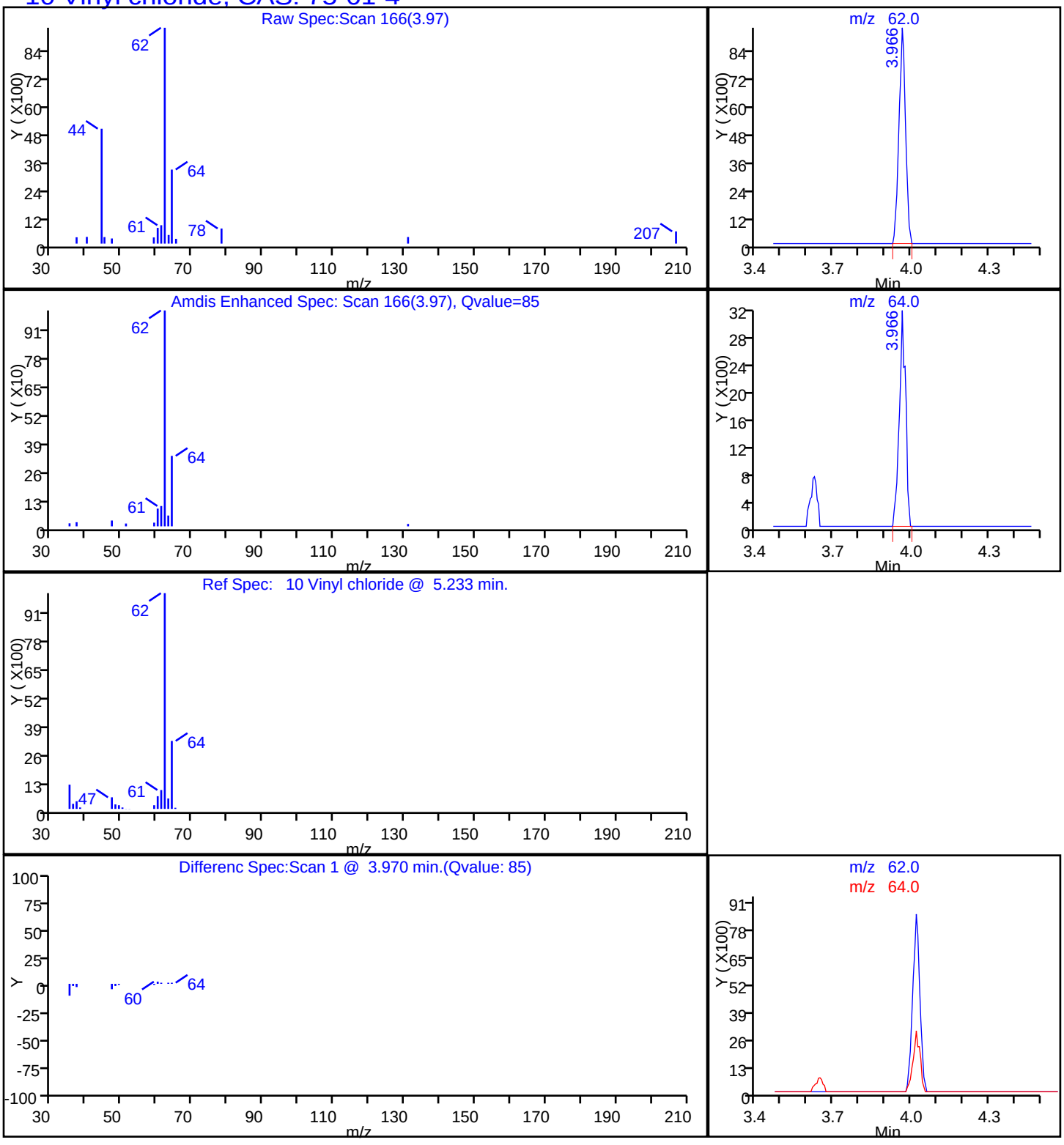
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

10 Vinyl chloride, CAS: 75-01-4



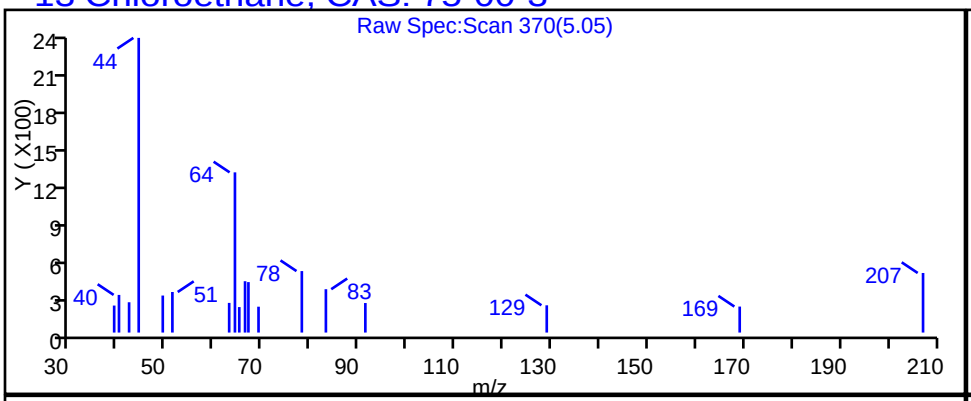
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

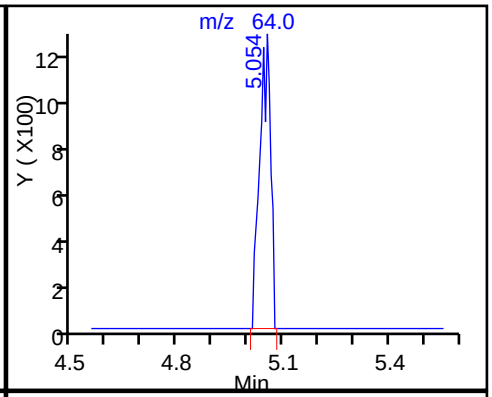
TestAmerica Burlington

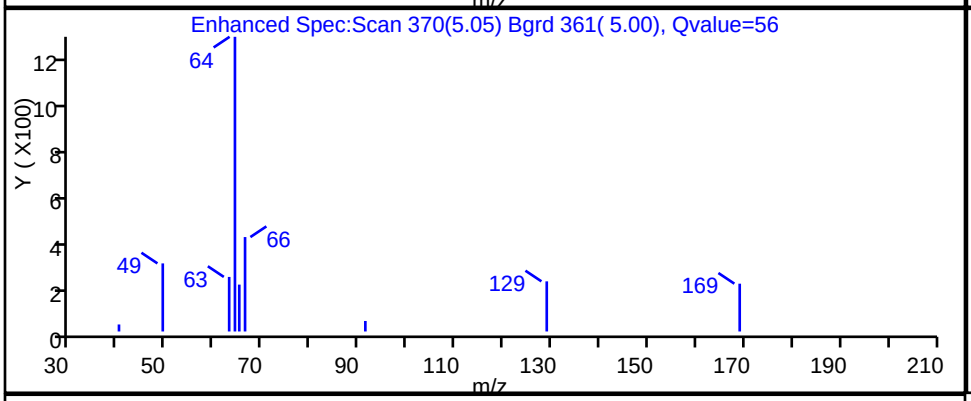
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

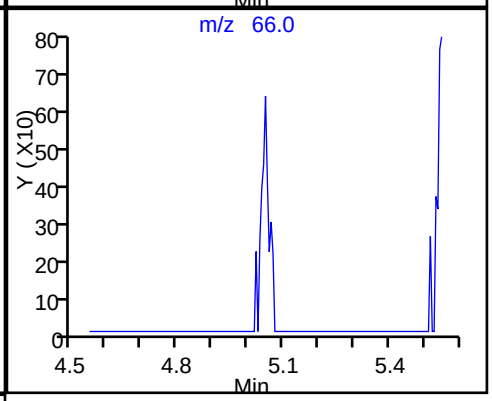
Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

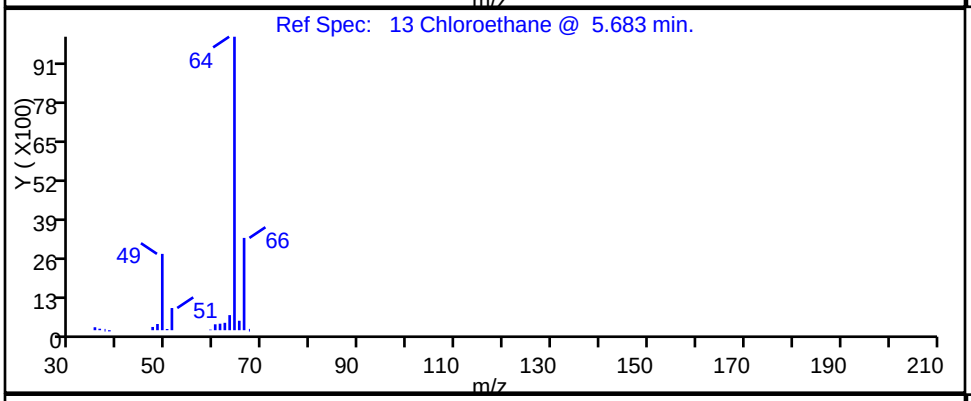
13 Chloroethane, CAS: 75-00-3

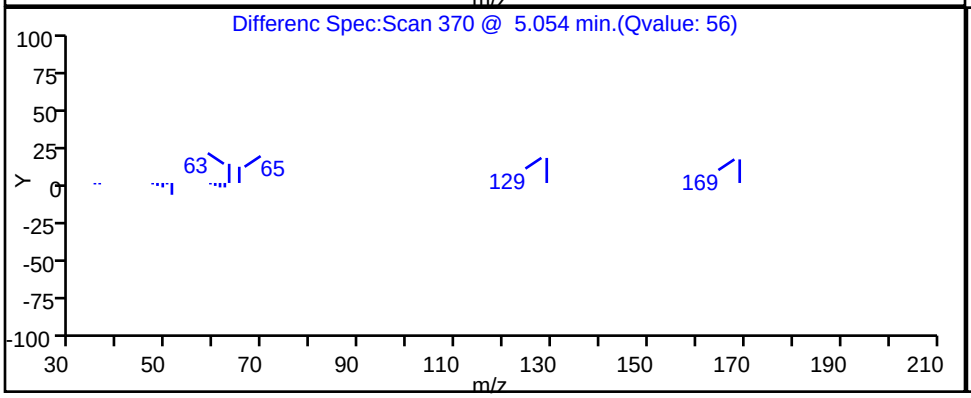


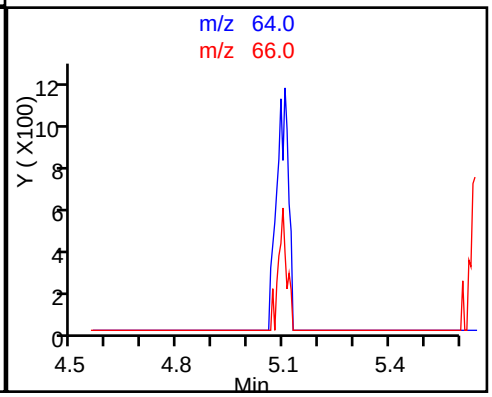












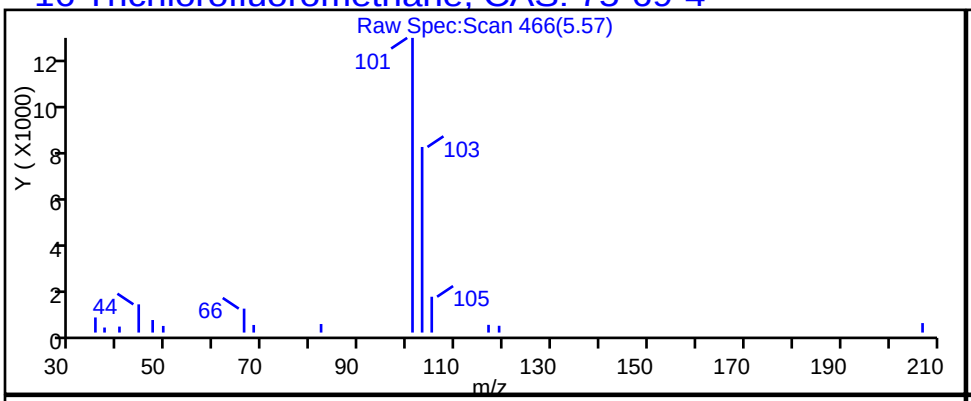
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

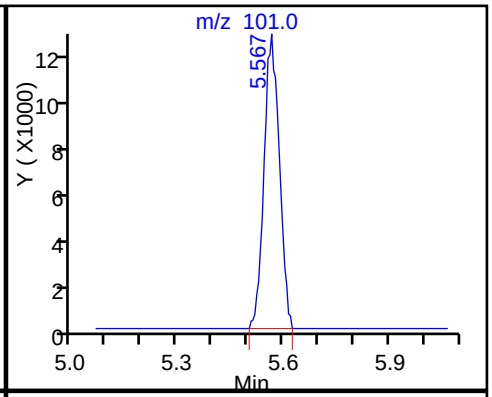
TestAmerica Burlington

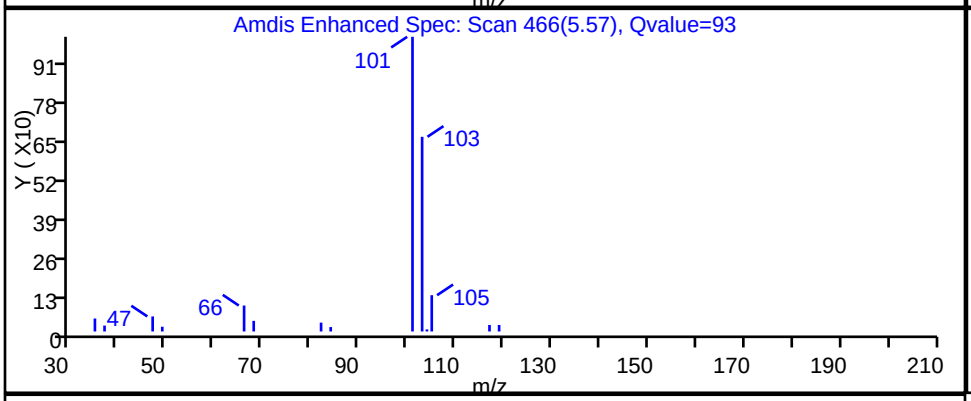
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

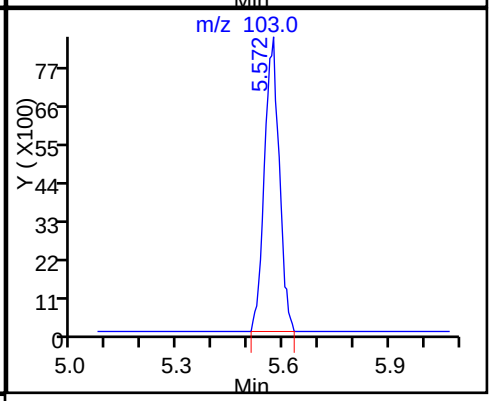
Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

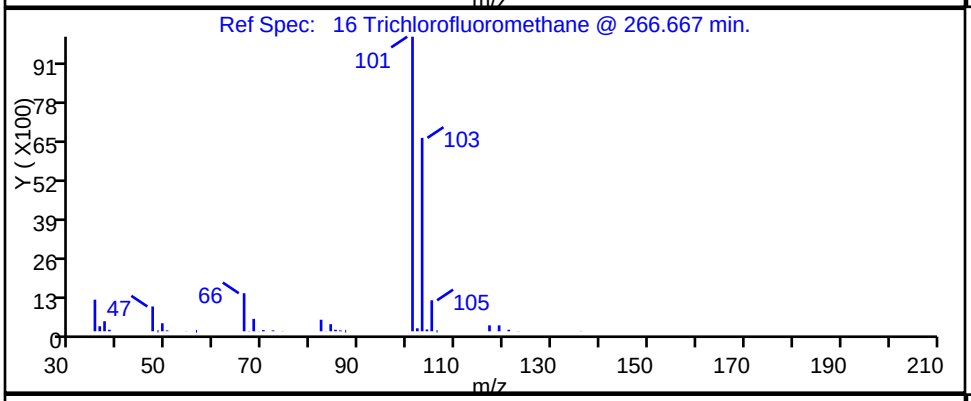
16 Trichlorofluoromethane, CAS: 75-69-4

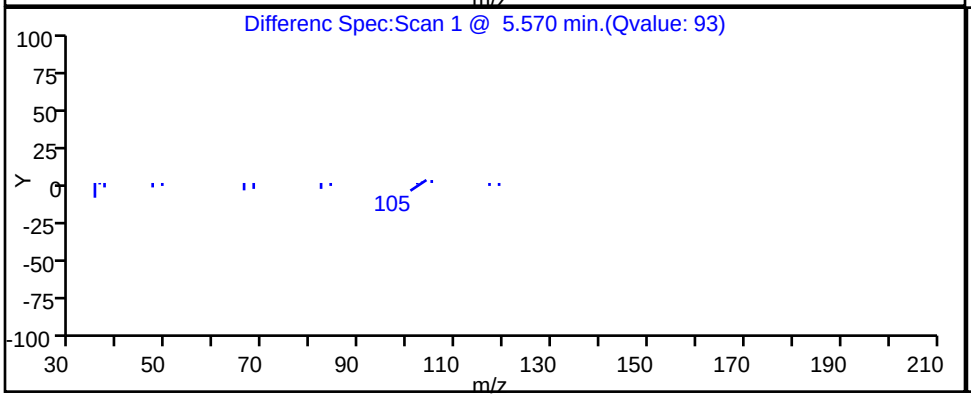


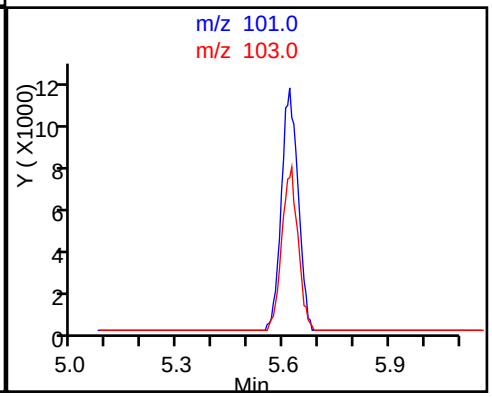












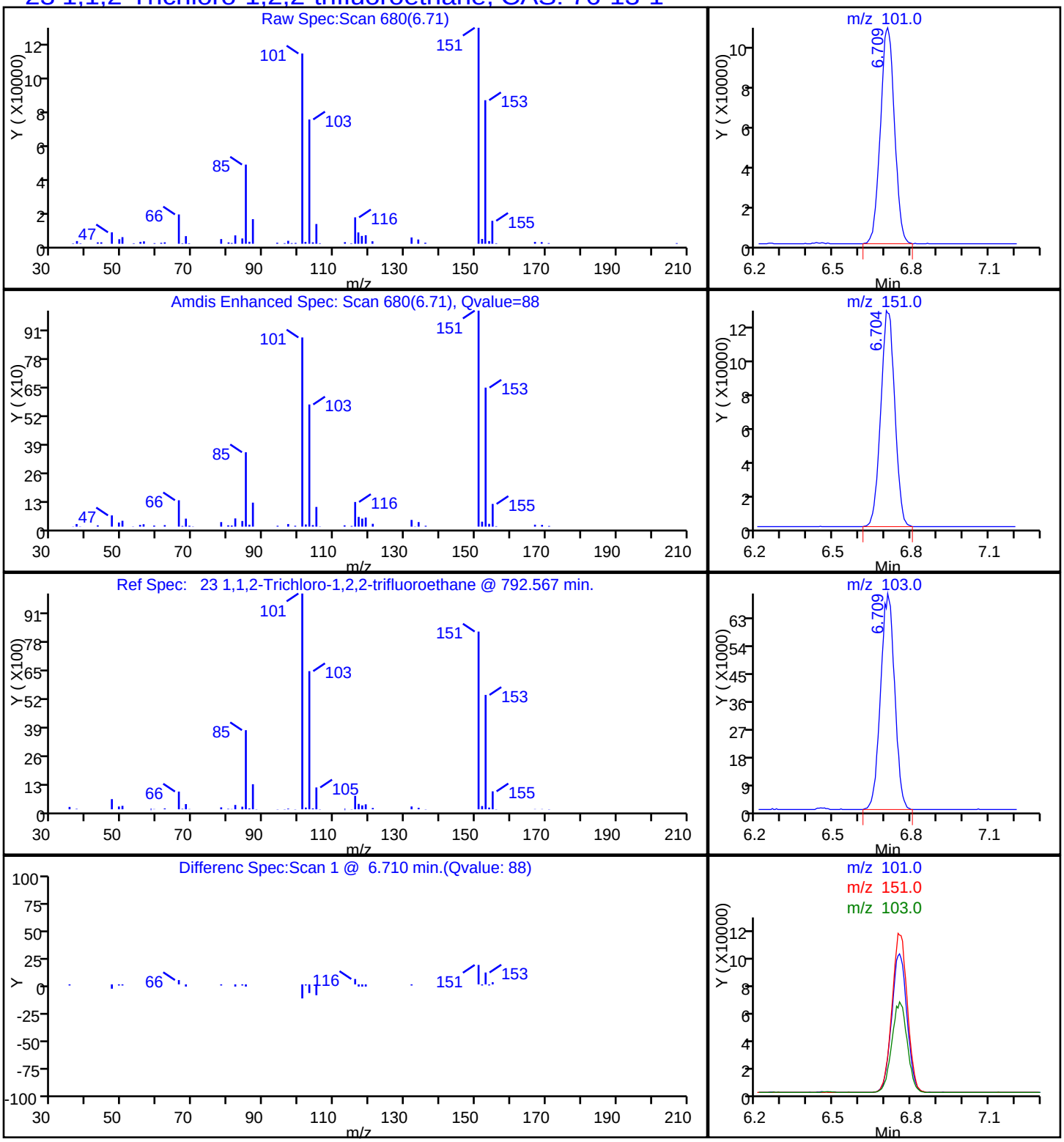
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



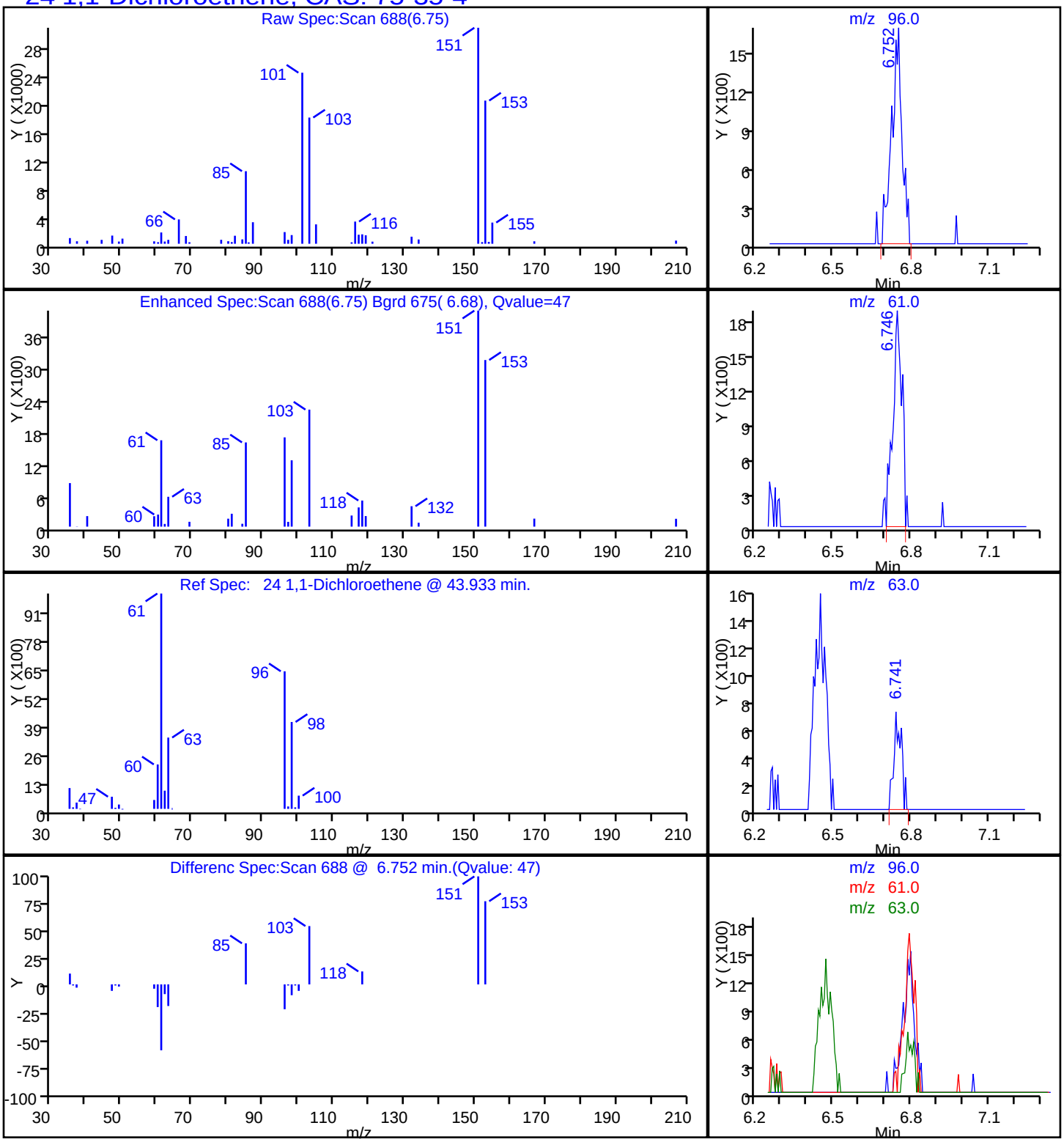
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 1,1-Dichloroethene, CAS: 75-35-4



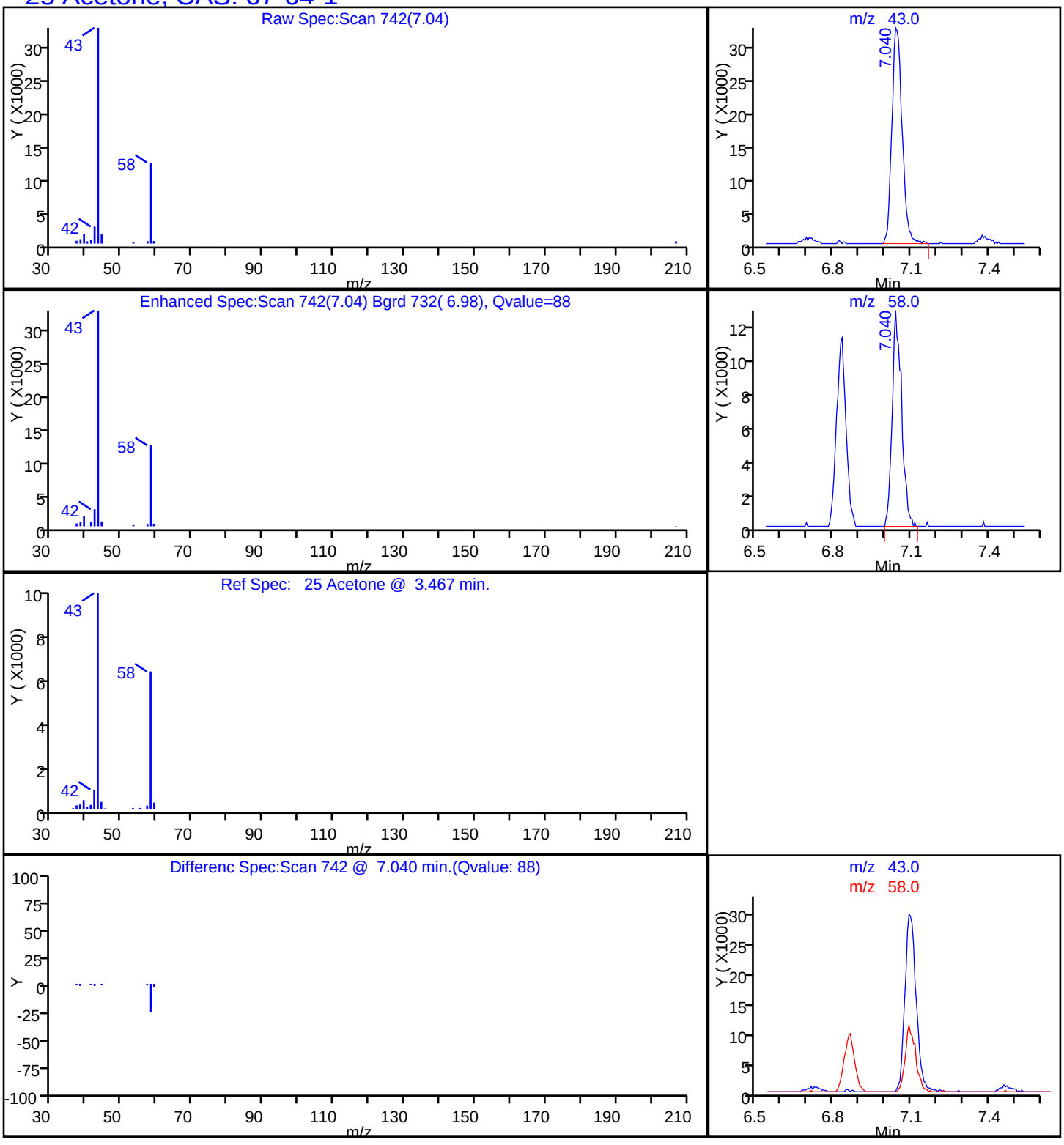
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



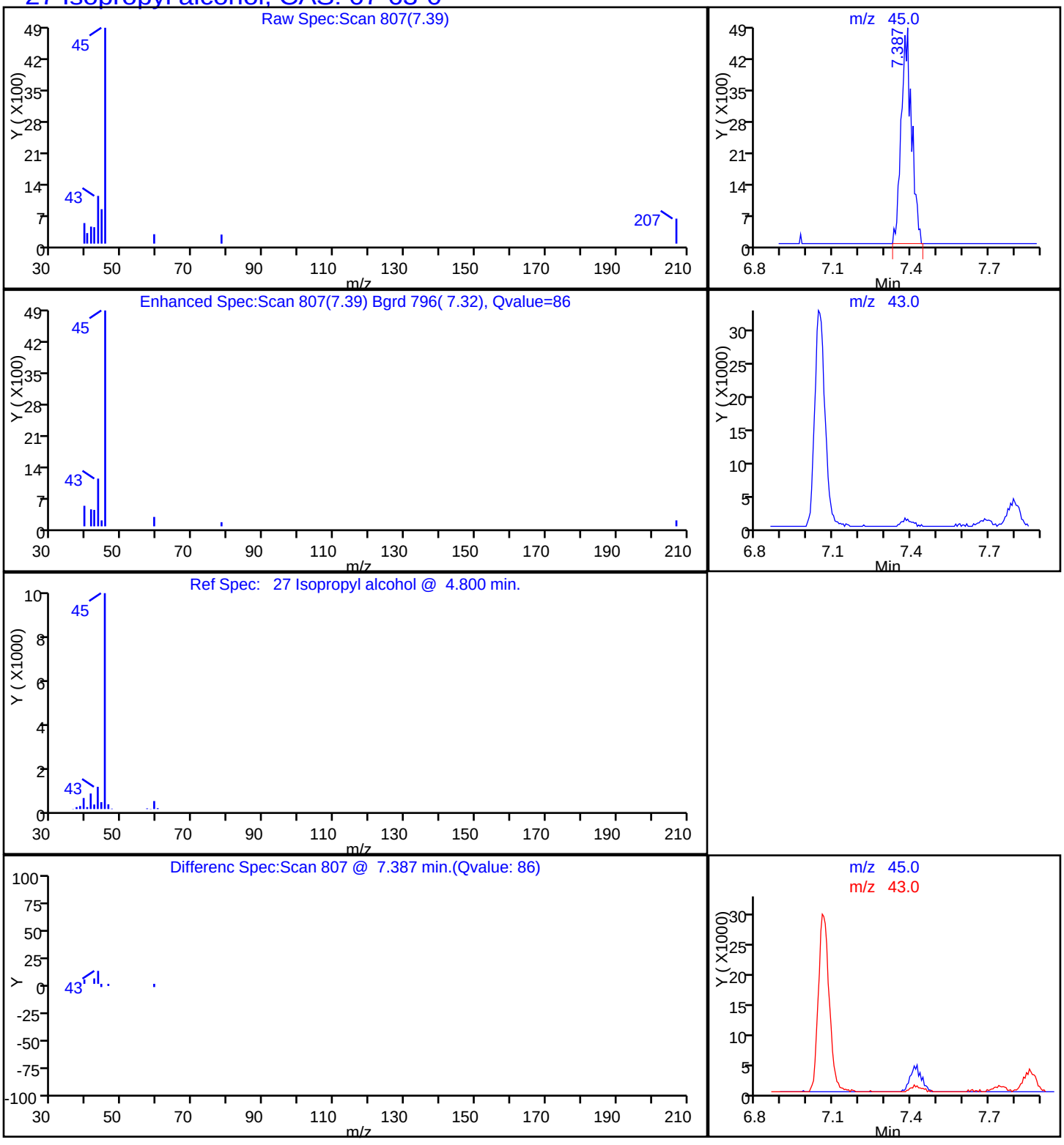
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



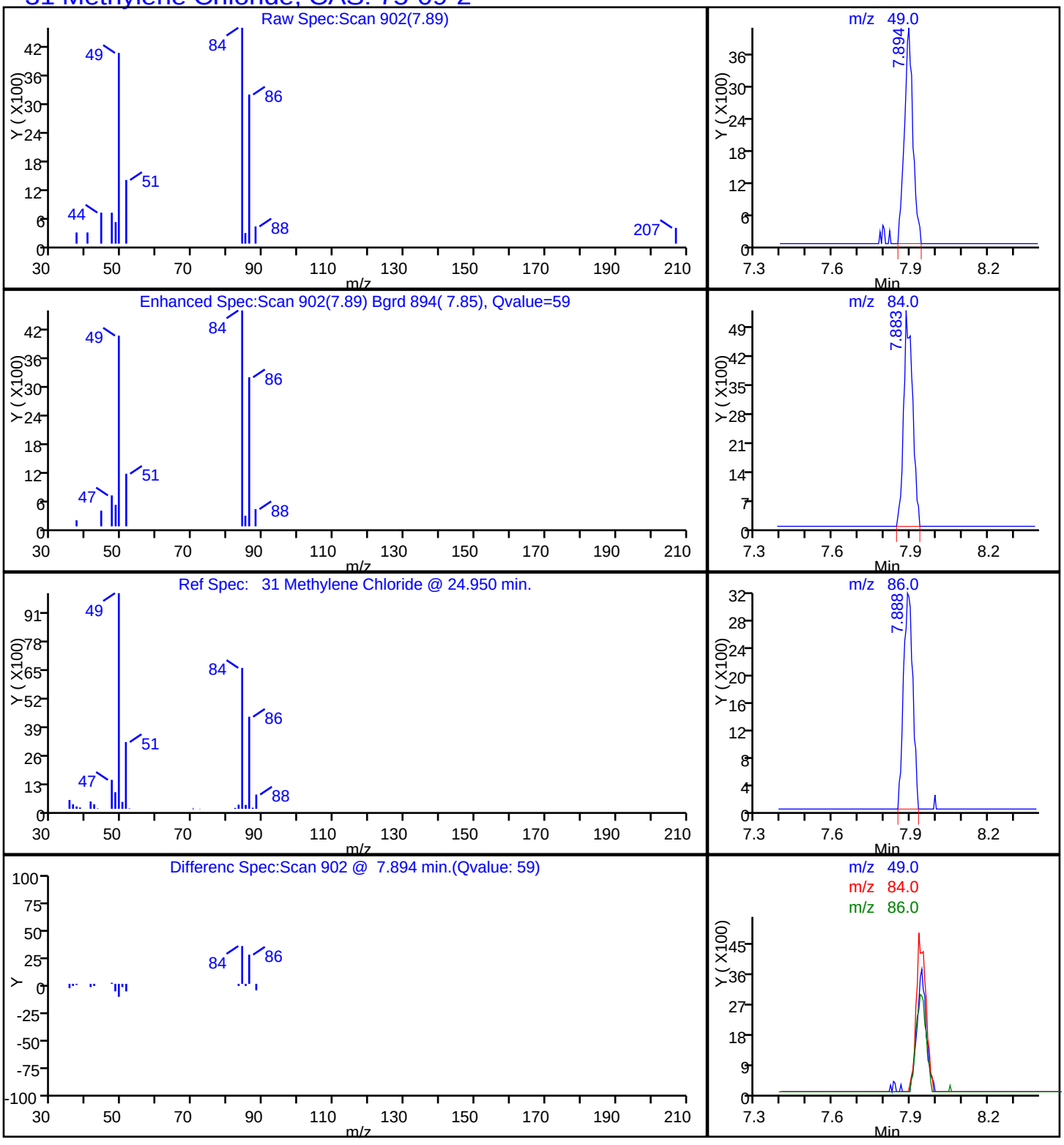
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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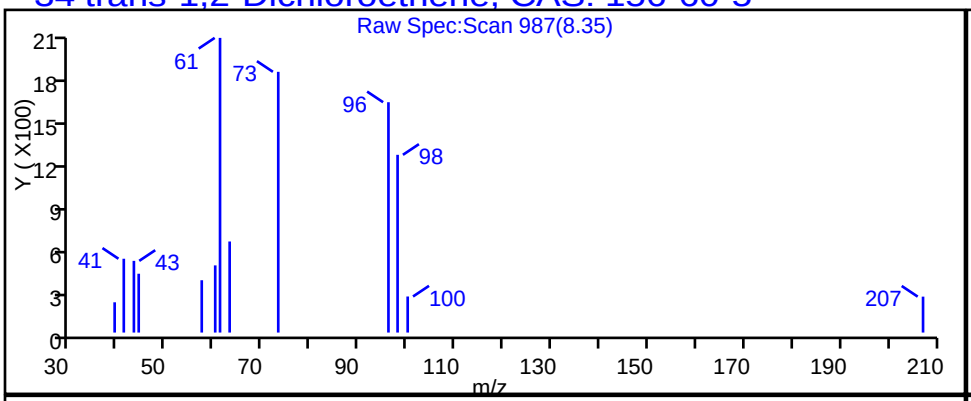
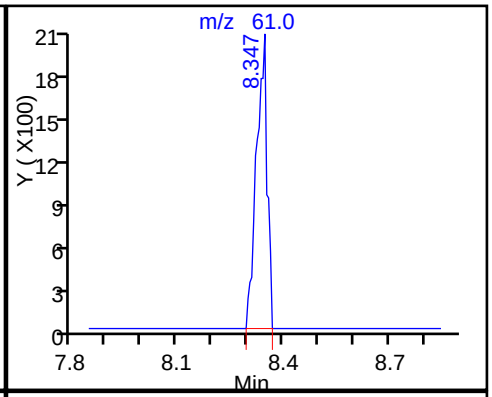
TestAmerica Burlington

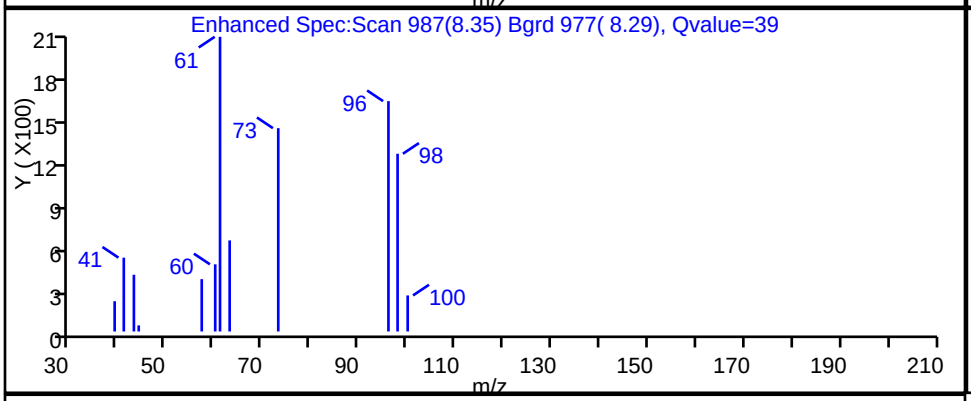
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

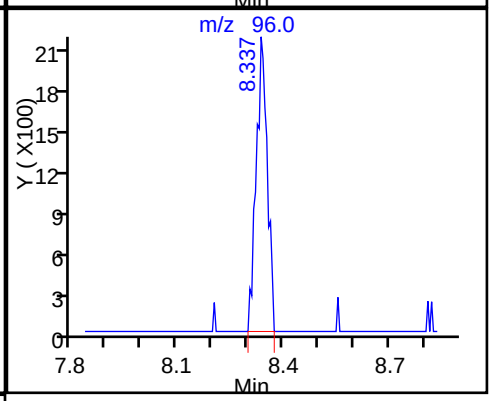
Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

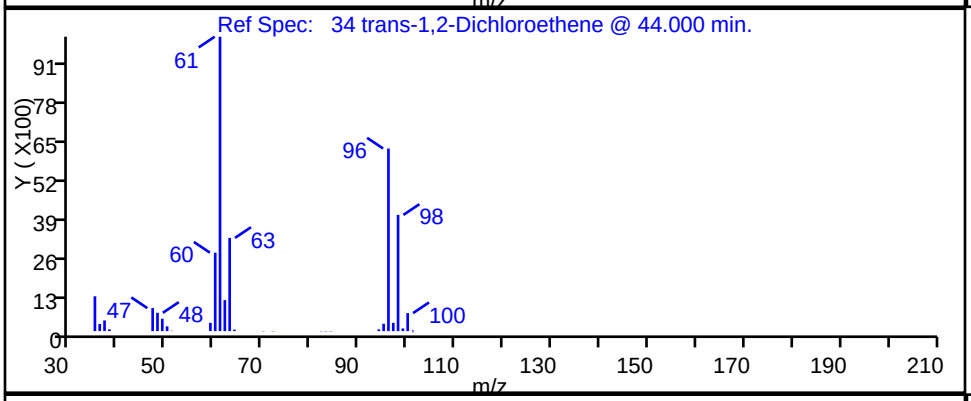
34 trans-1,2-Dichloroethene, CAS: 156-60-5

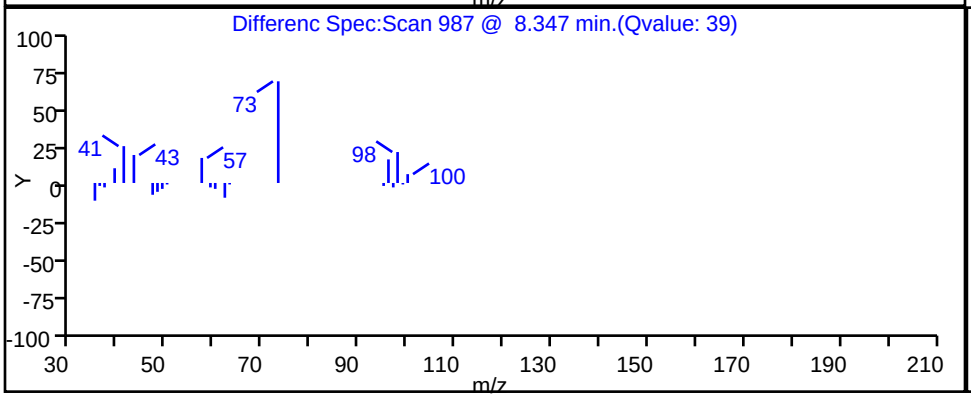


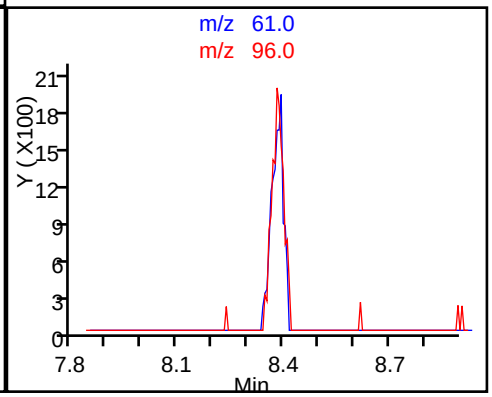












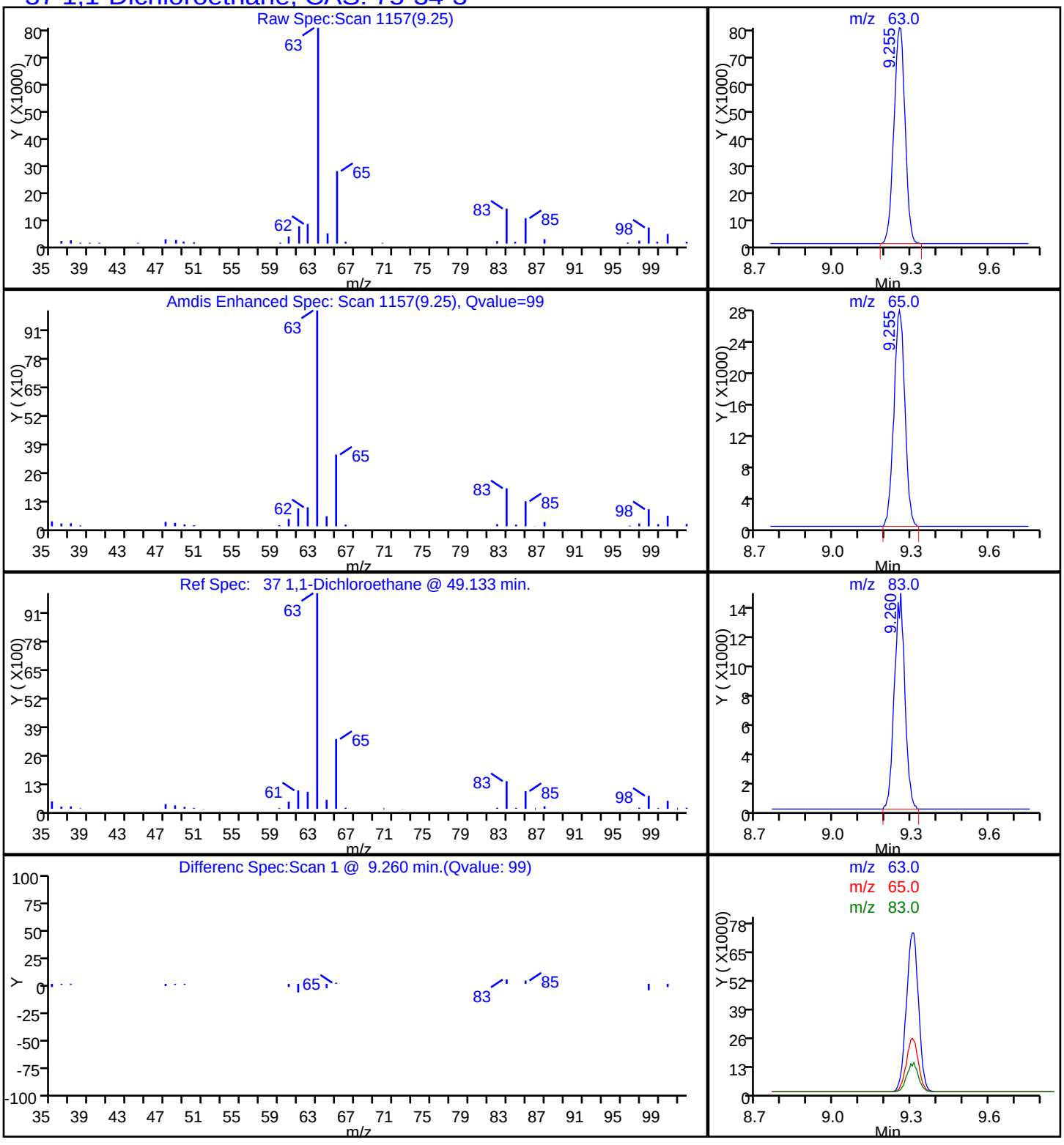
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



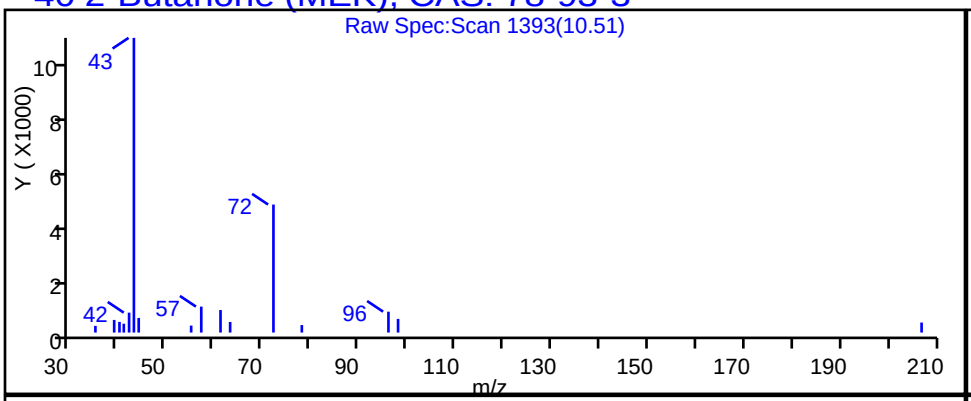
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

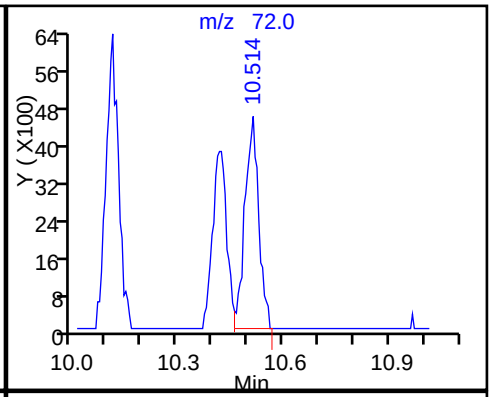
TestAmerica Burlington

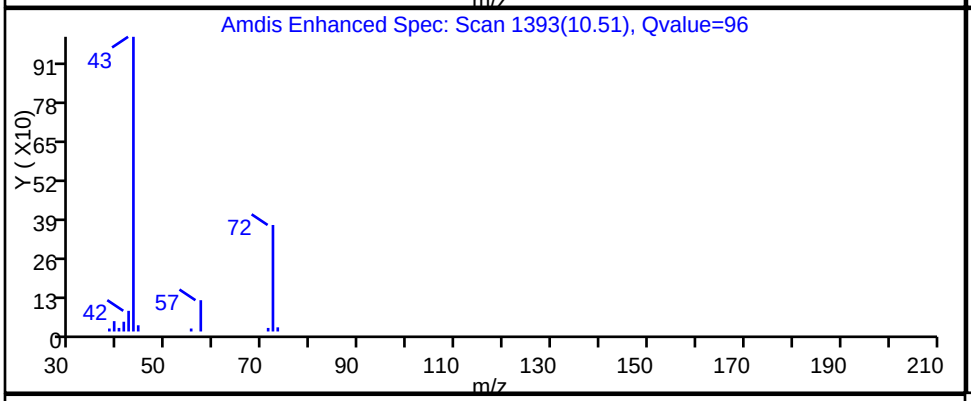
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

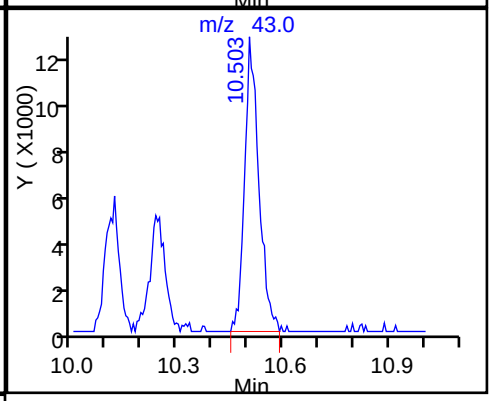
Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

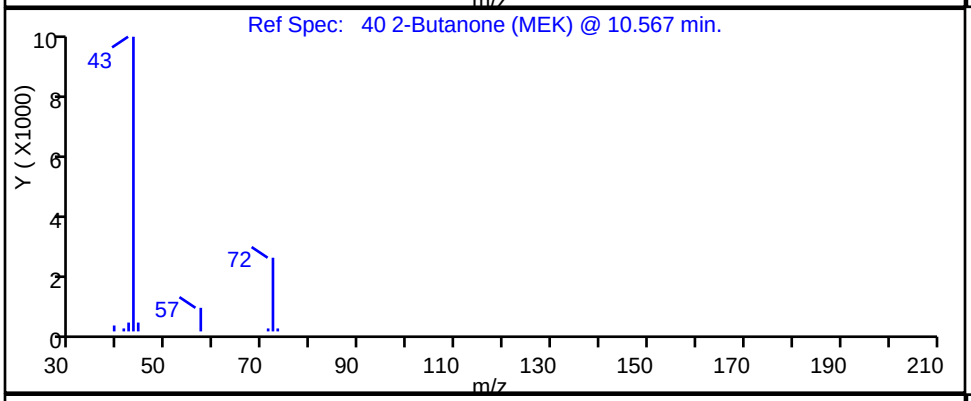
40 2-Butanone (MEK), CAS: 78-93-3

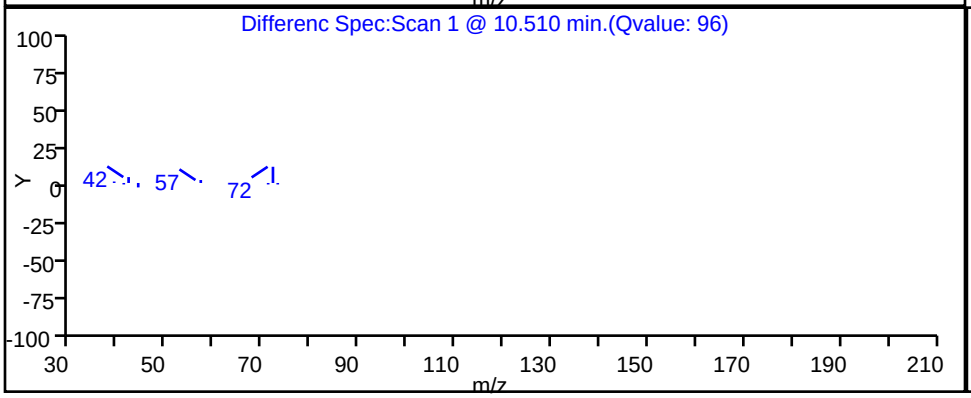


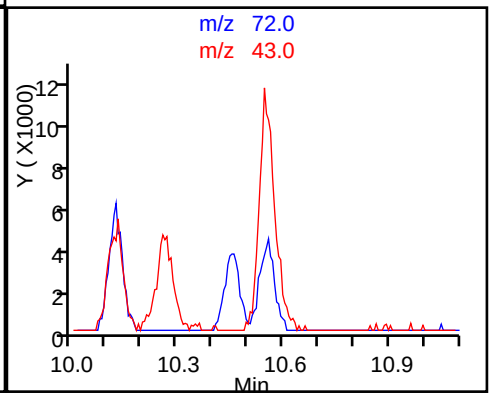












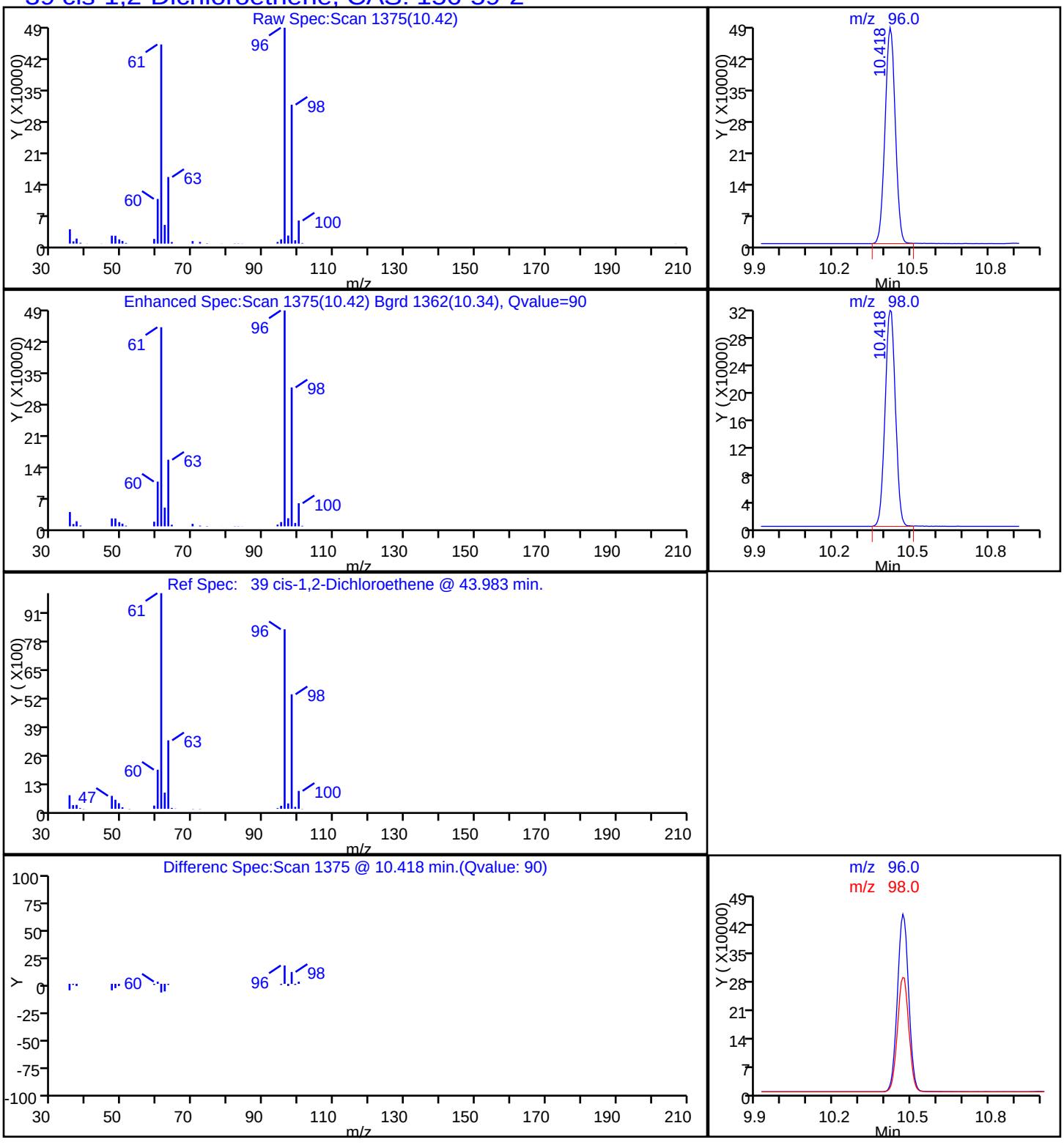
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2



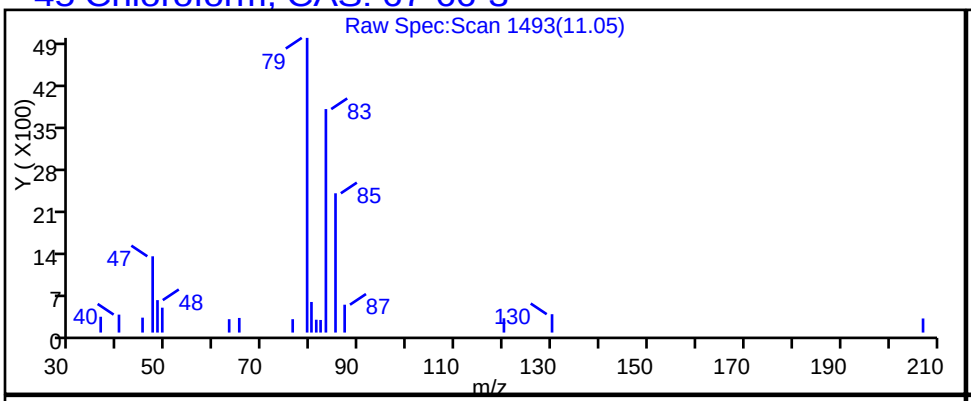
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

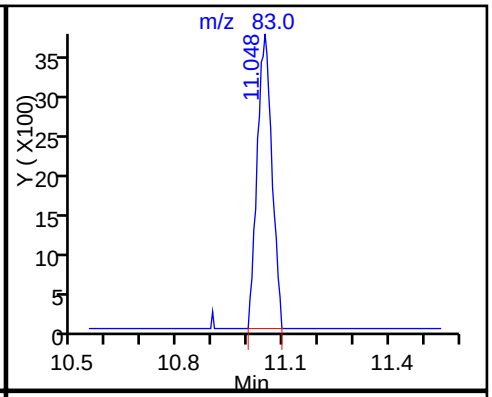
TestAmerica Burlington

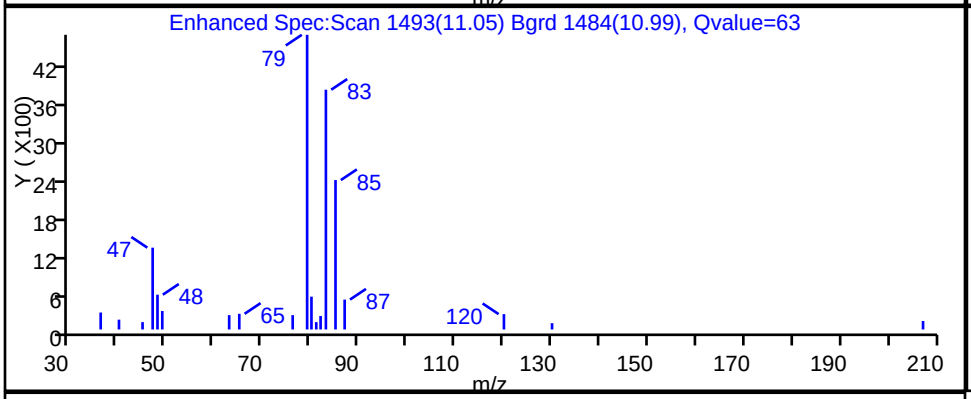
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

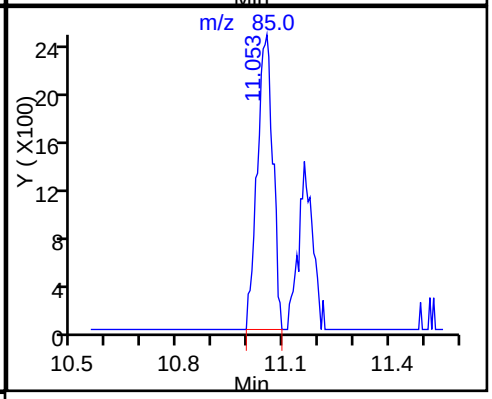
Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

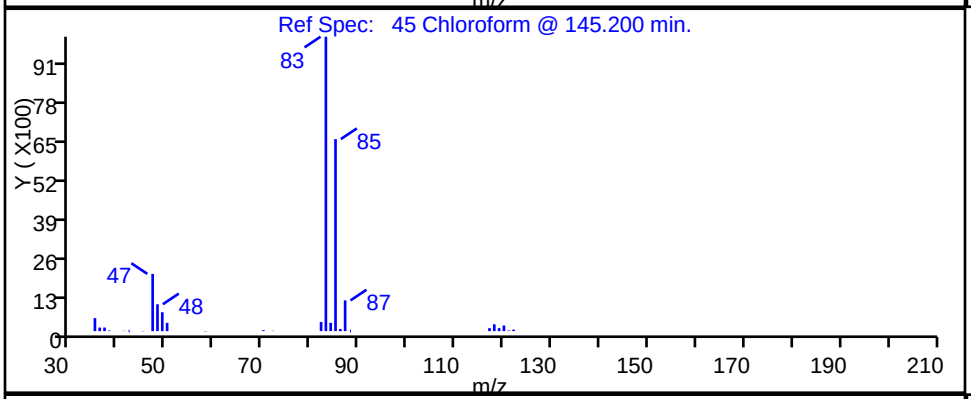
45 Chloroform, CAS: 67-66-3

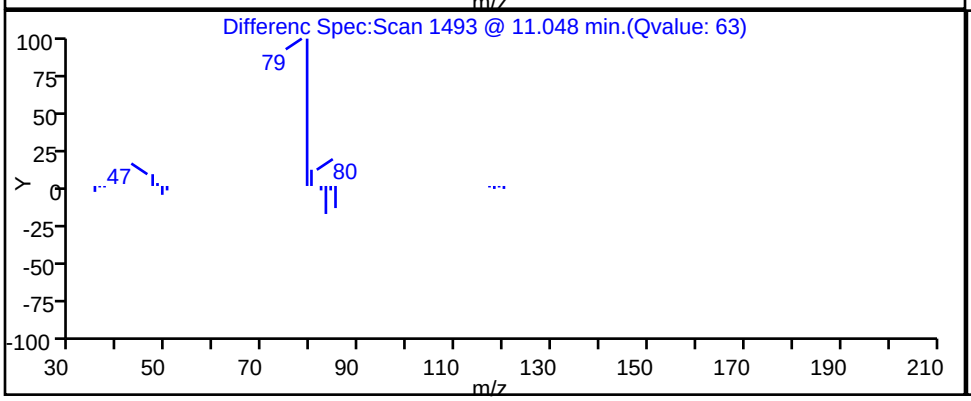


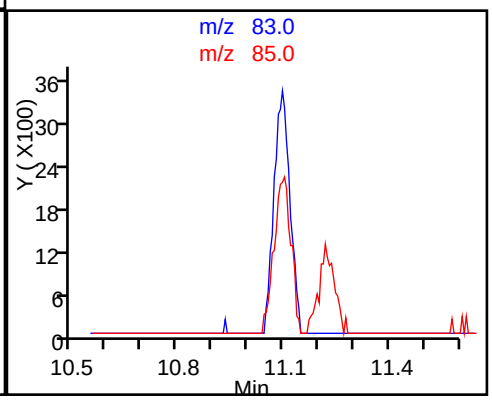












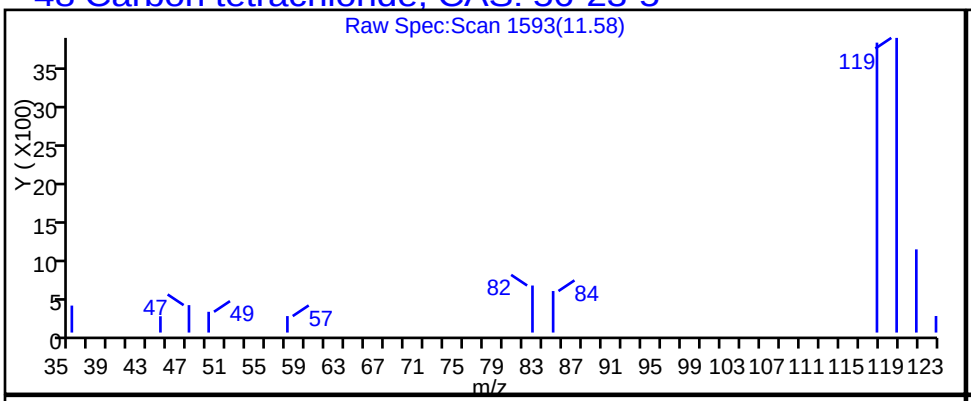
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

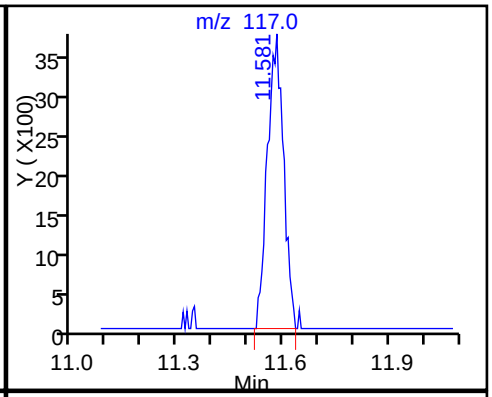
TestAmerica Burlington

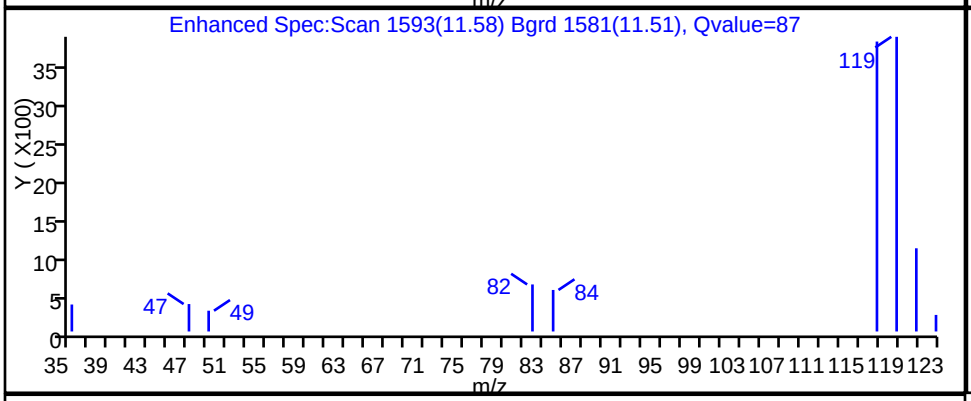
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

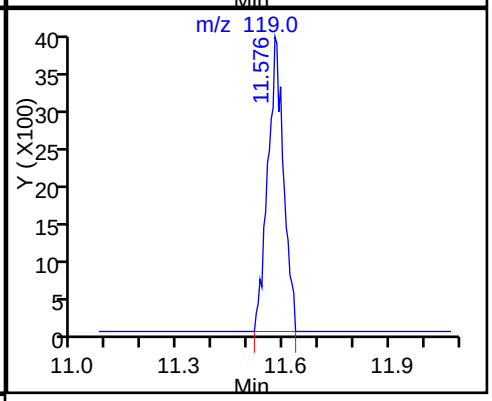
Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

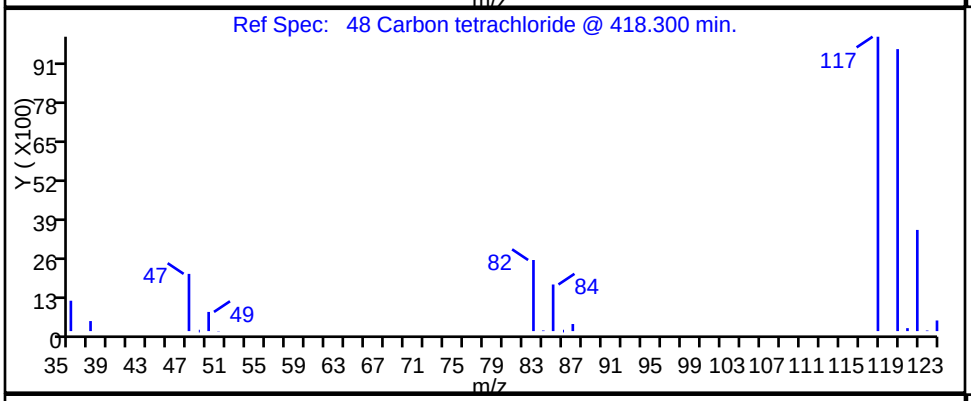
48 Carbon tetrachloride, CAS: 56-23-5

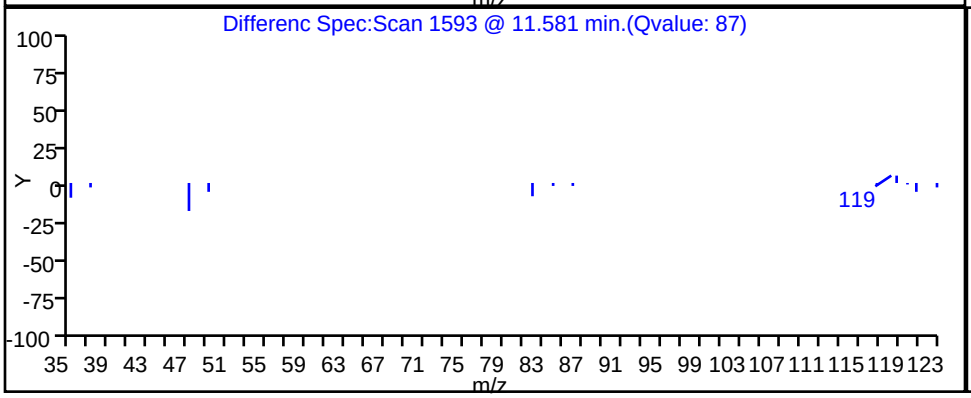


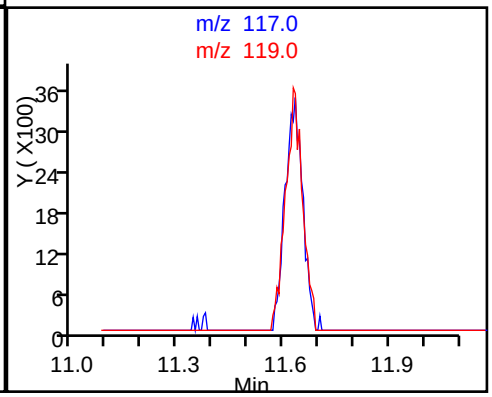












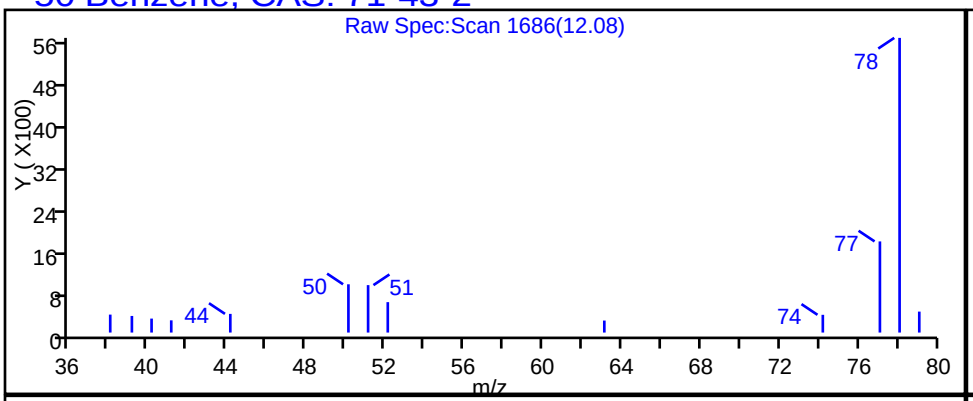
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

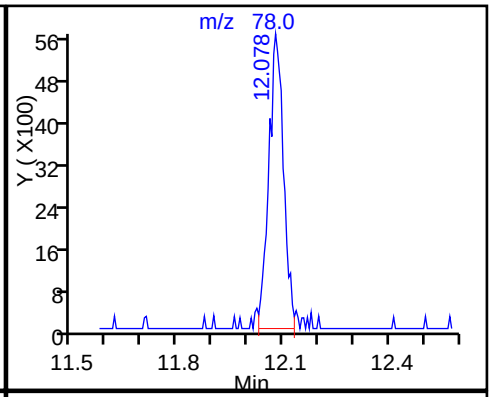
TestAmerica Burlington

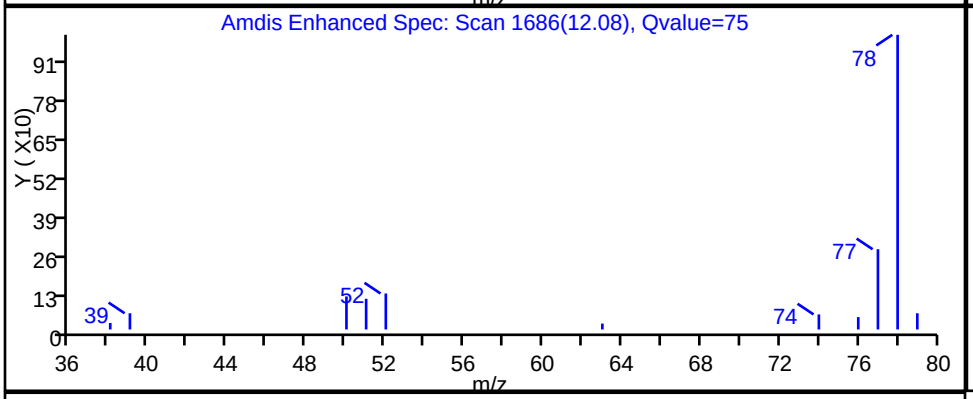
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

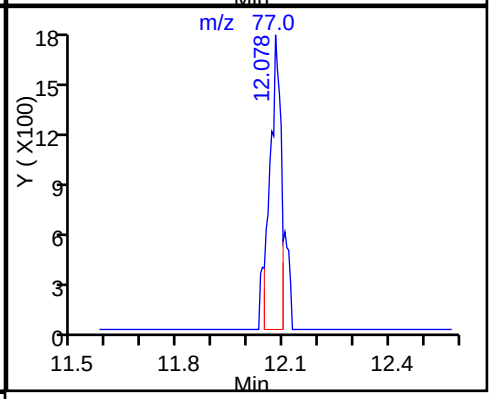
Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1
Client ID:	GCTS PRE CARBON		
Operator ID:	wrd	ALS Bottle#:	7 Worklist Smp#: 7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

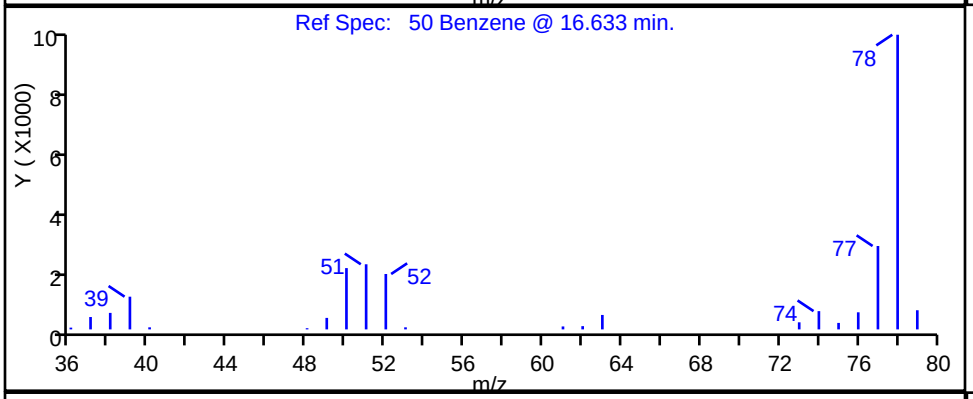
50 Benzene, CAS: 71-43-2

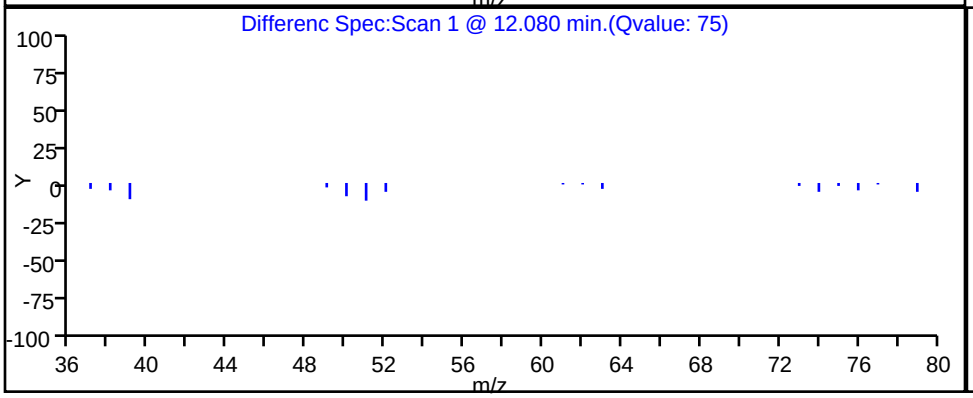


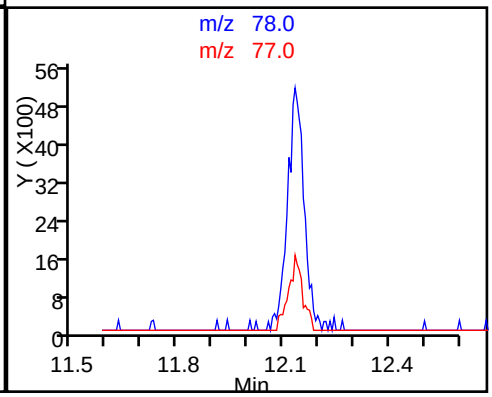












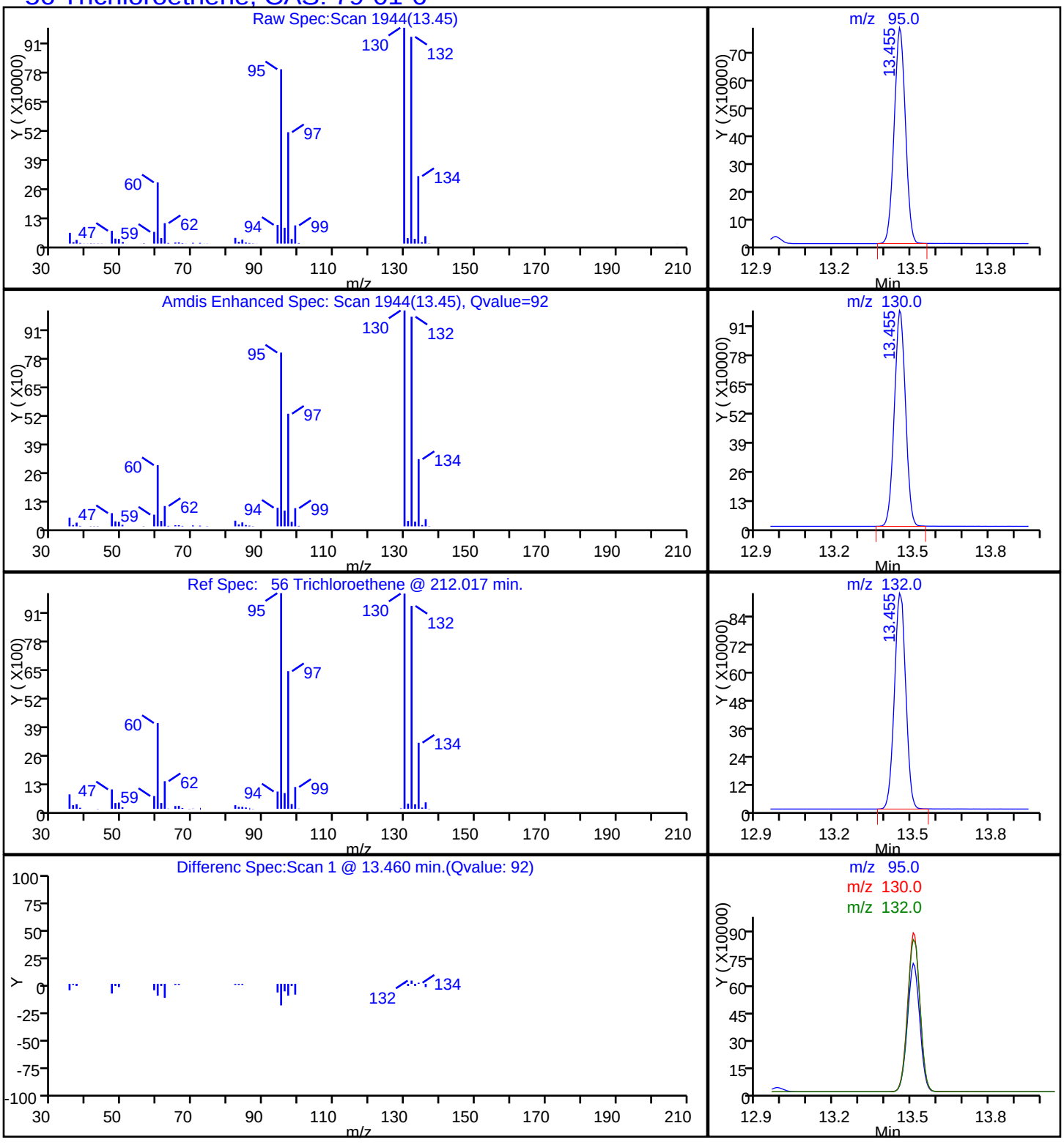
Report Date: 11-Apr-2014 10:41:40 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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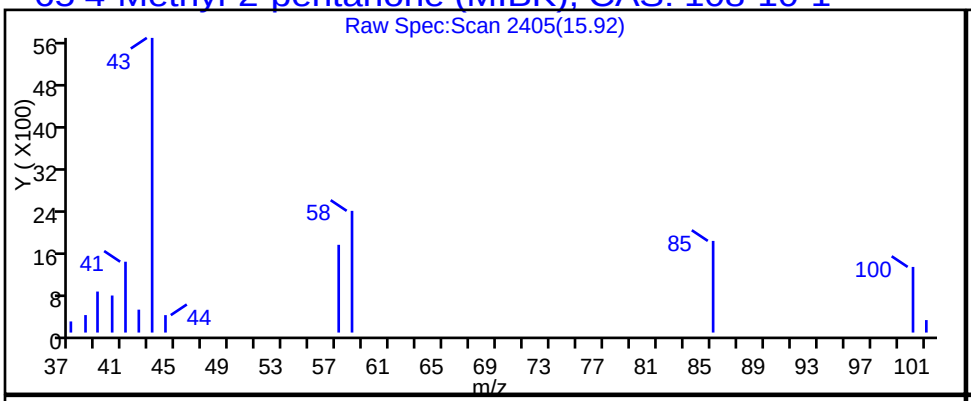
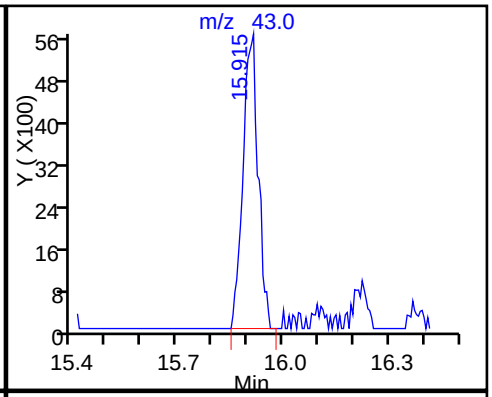
TestAmerica Burlington

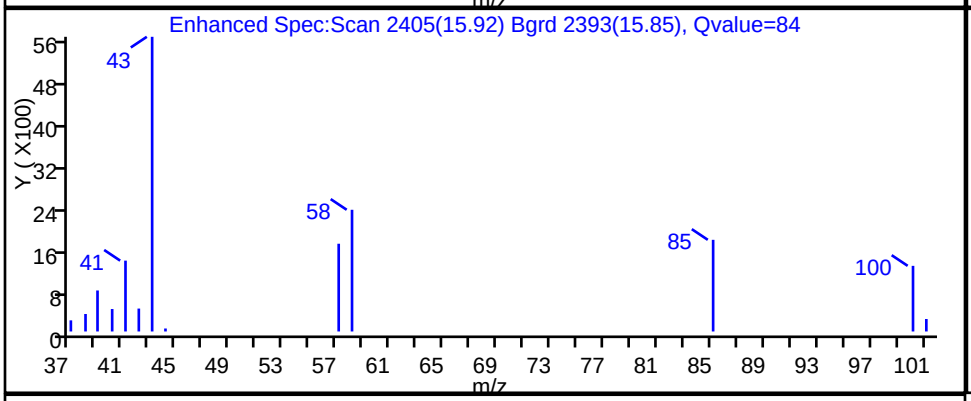
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

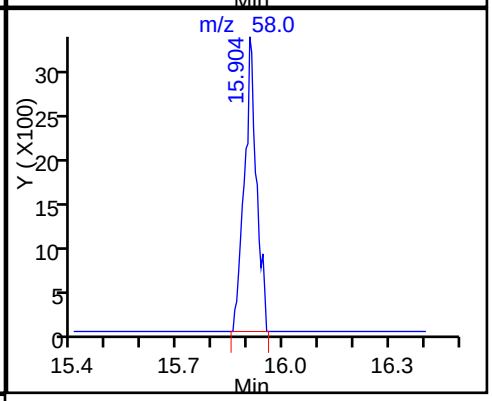
Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

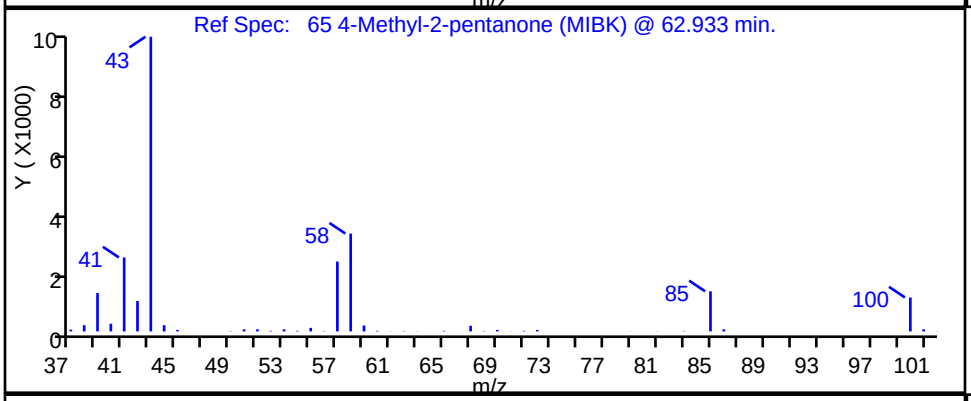
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

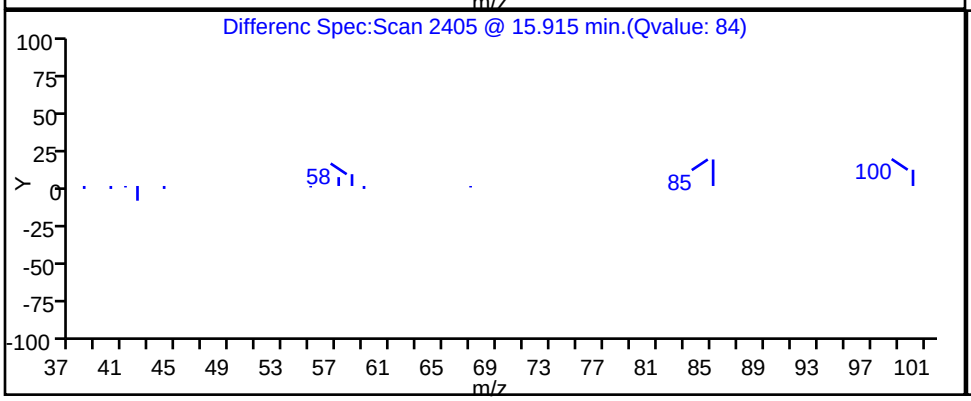


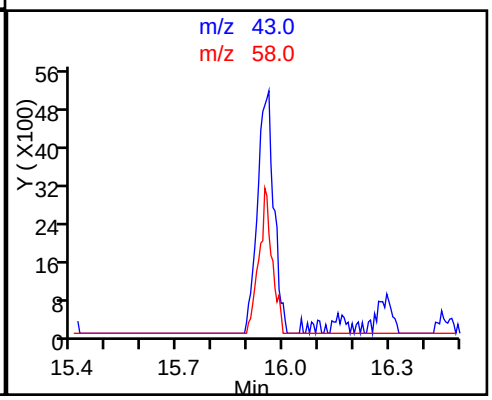












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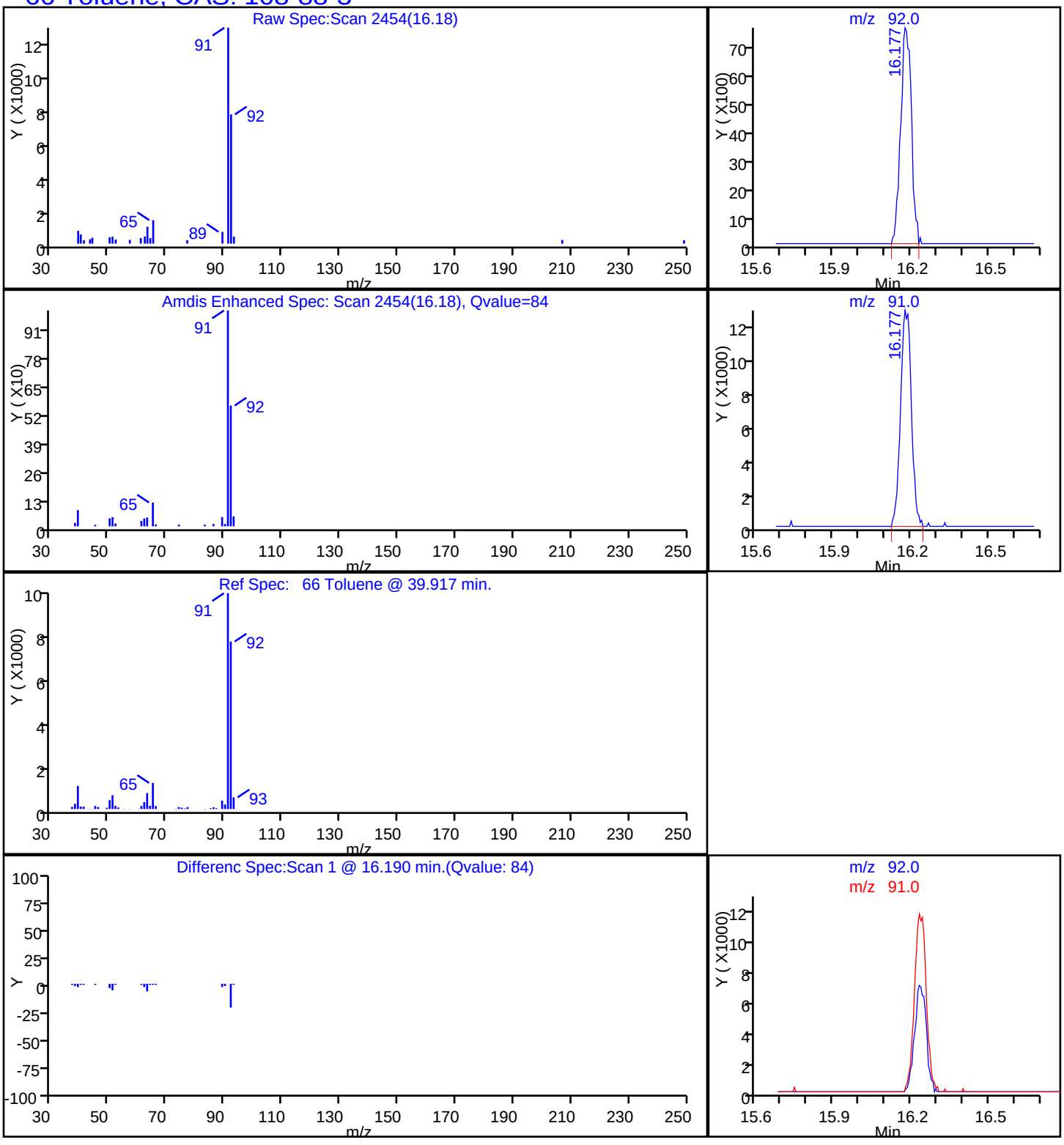
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



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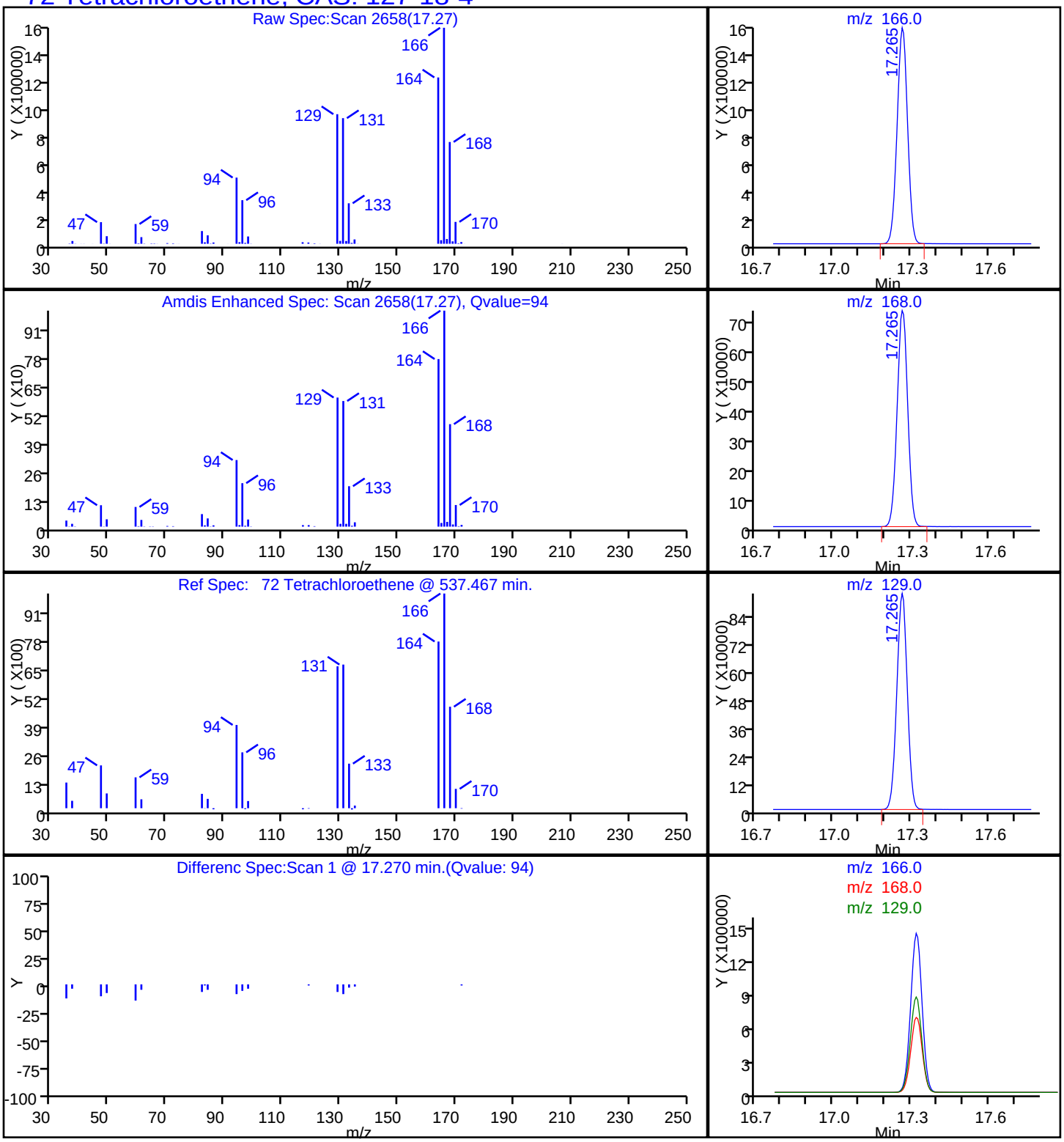
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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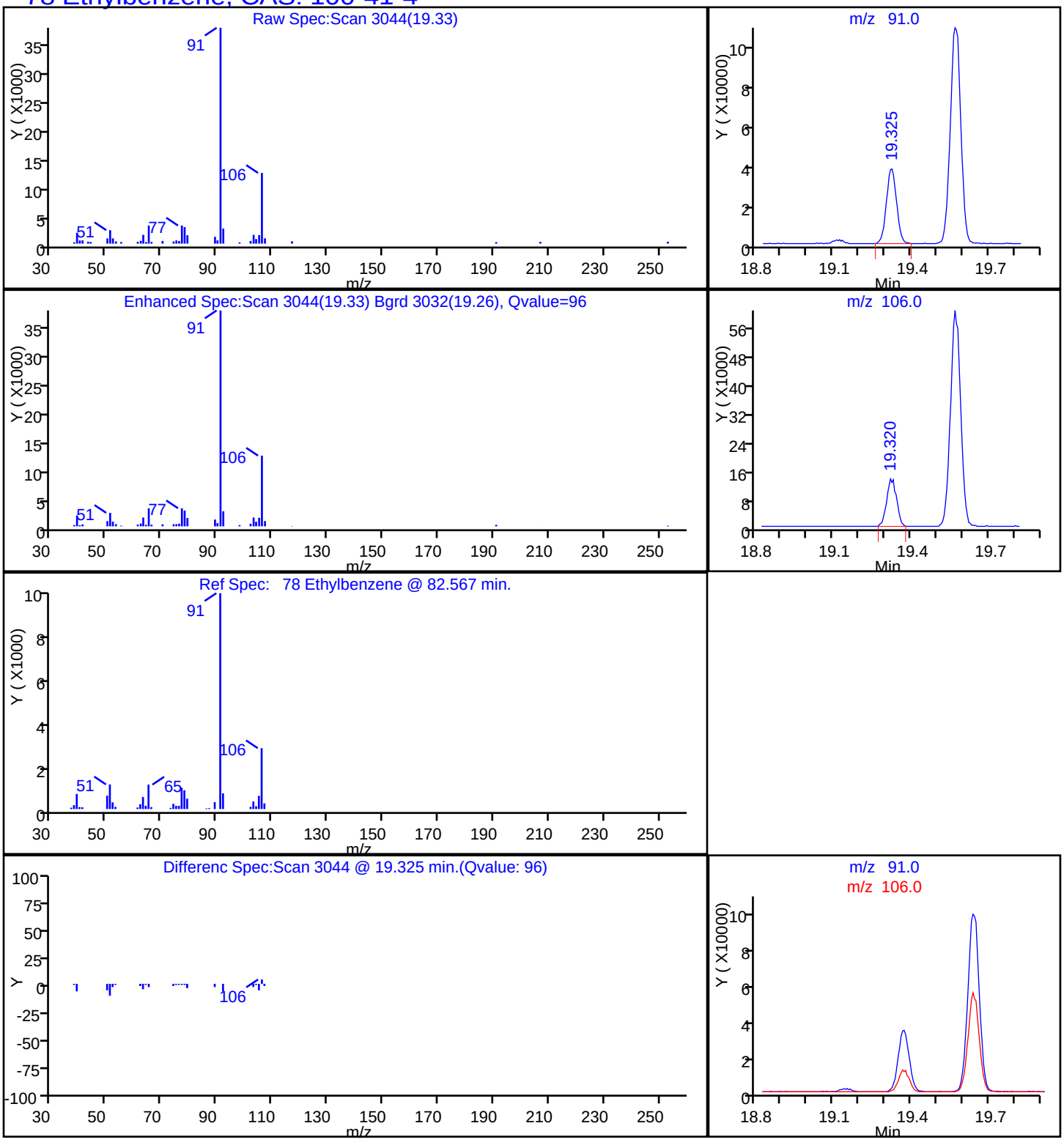
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4



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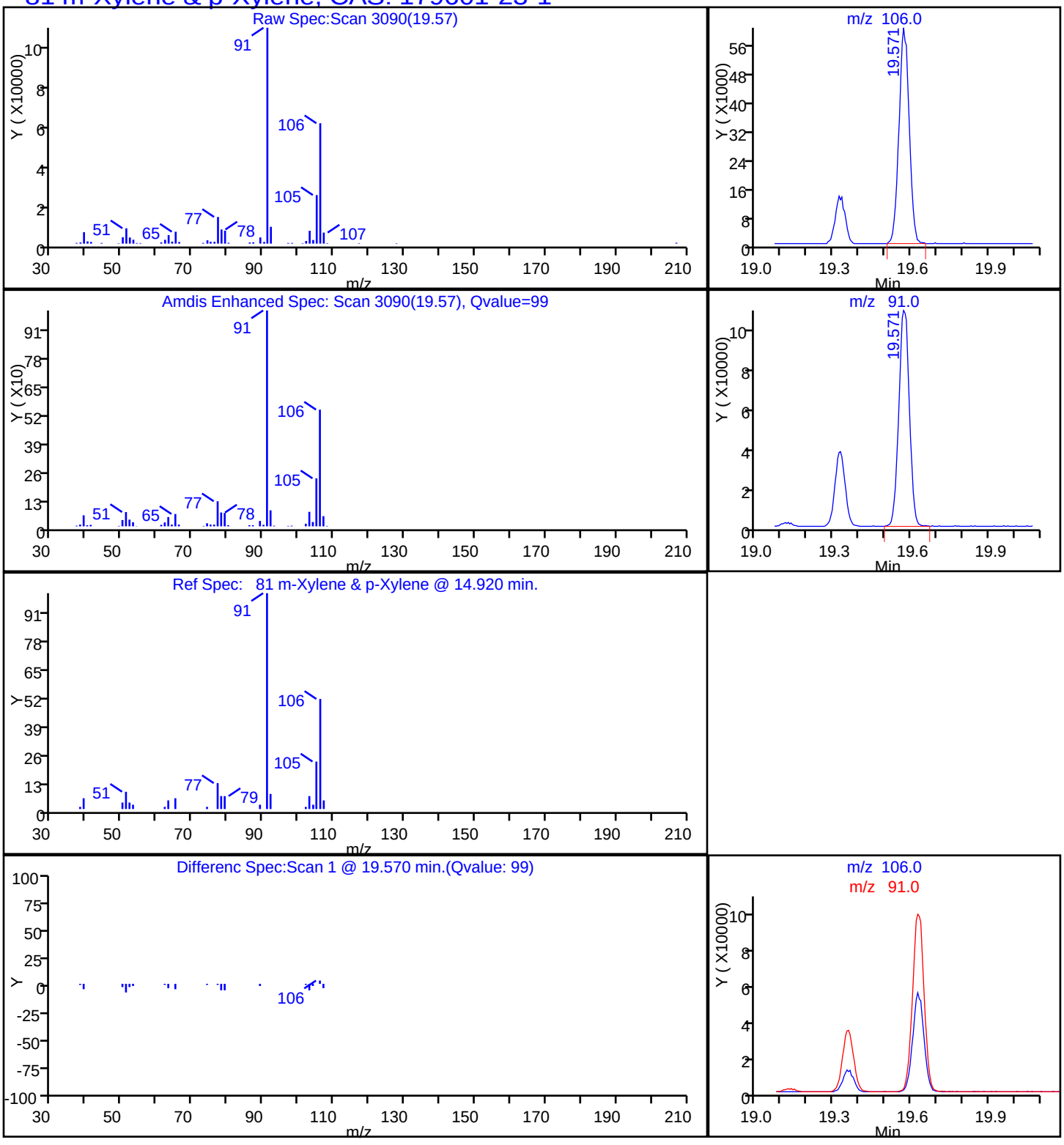
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D				
Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



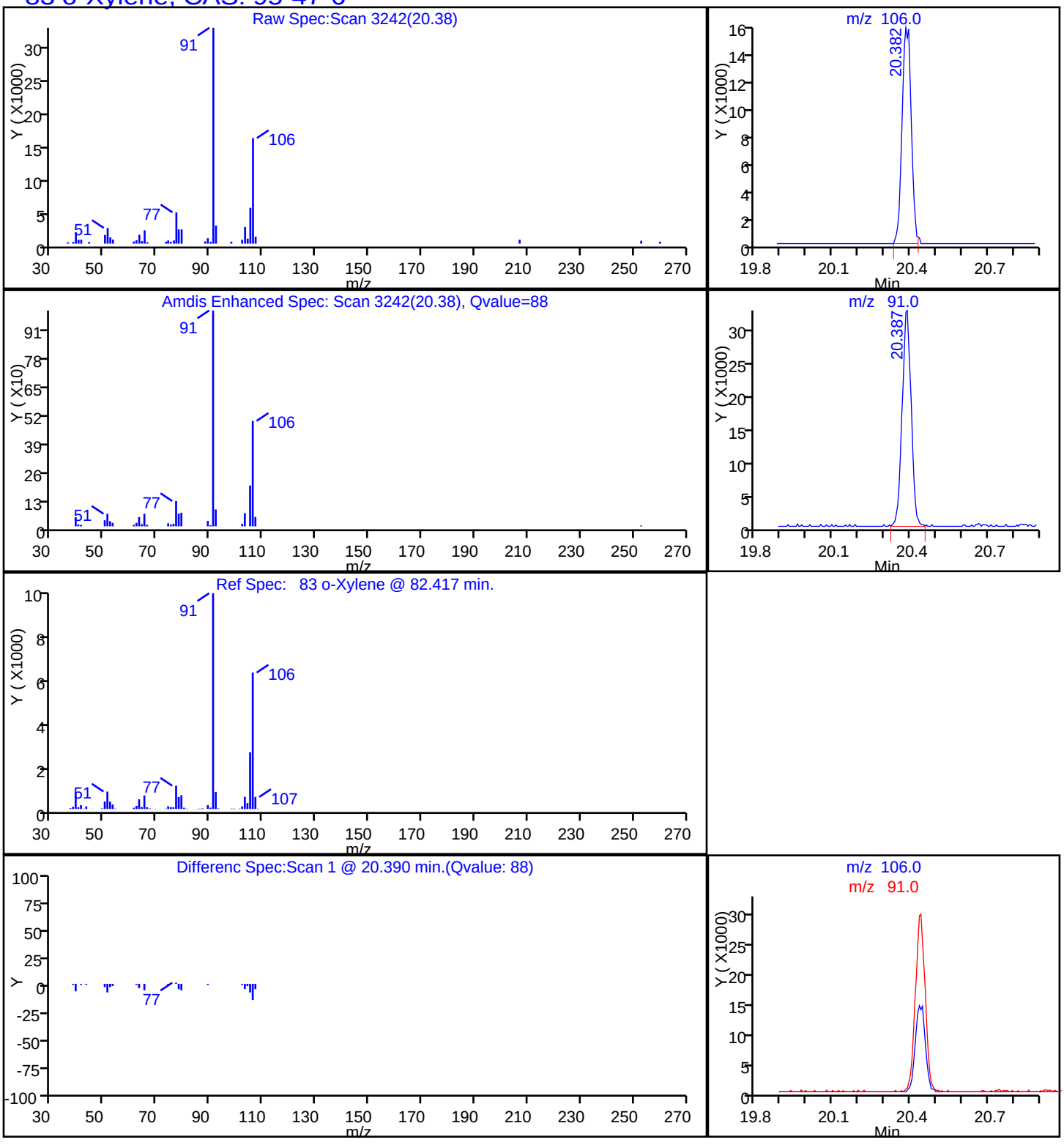
Report Date: 11-Apr-2014 10:41:41 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



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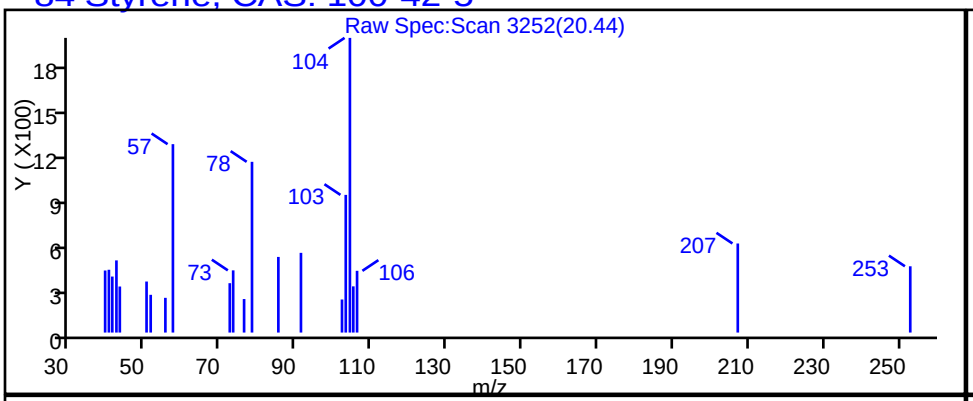
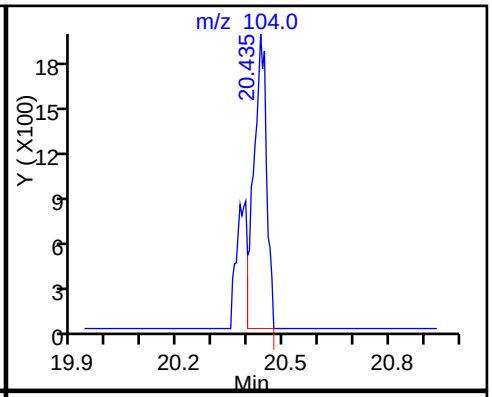
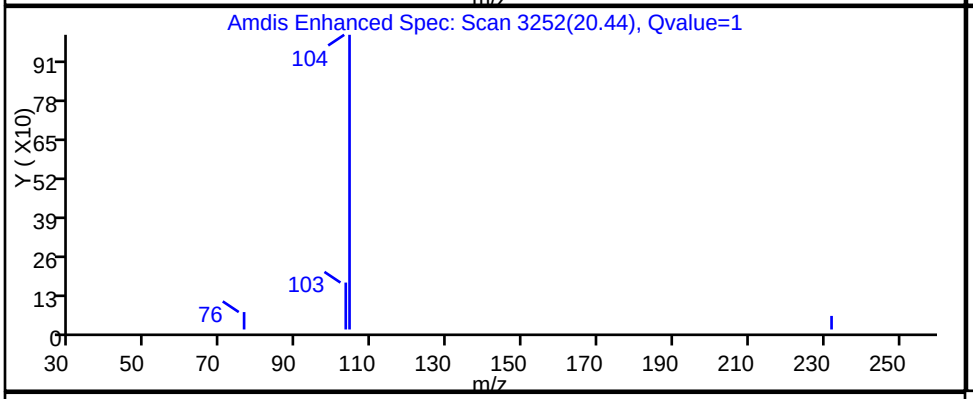
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

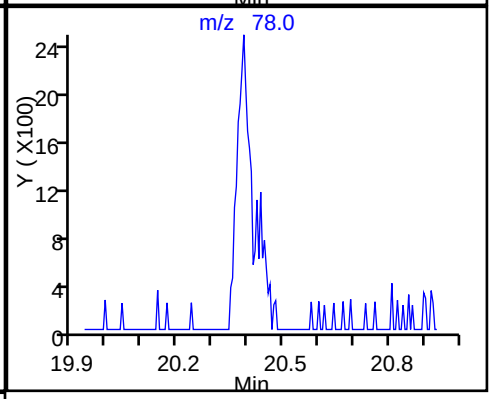
Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

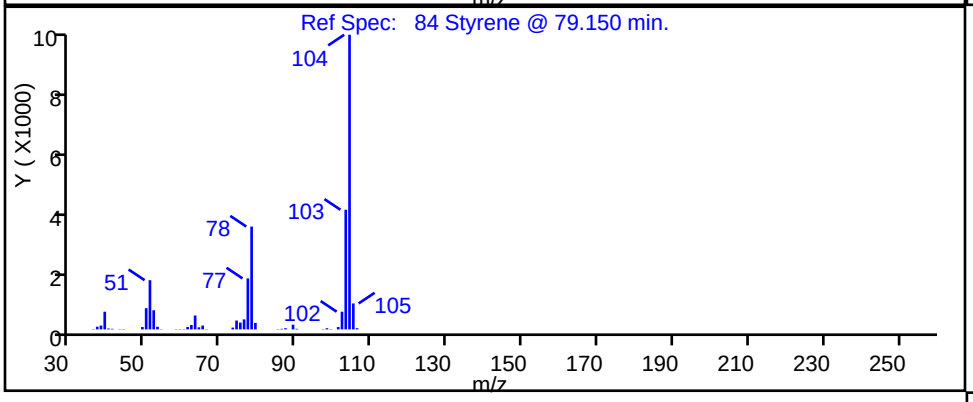
84 Styrene, CAS: 100-42-5

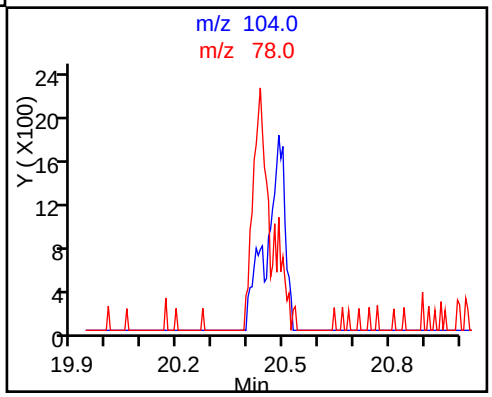












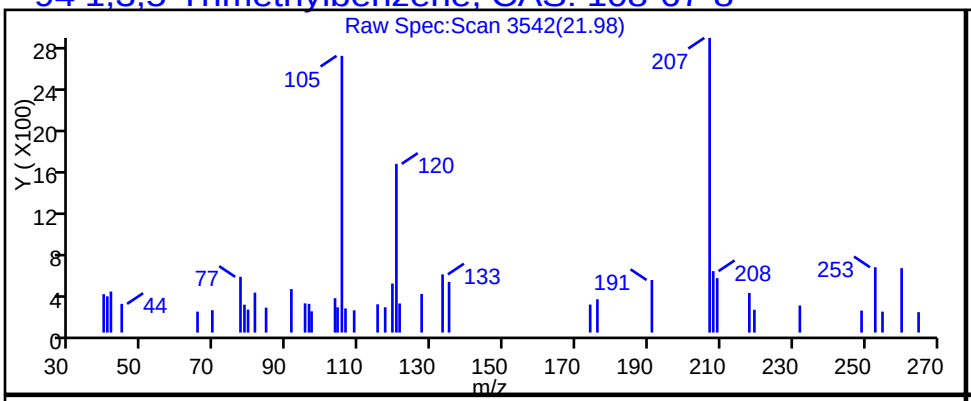
Report Date: 11-Apr-2014 10:41:41 Chrom Revision: 2.2 10-Apr-2014 15:11:30

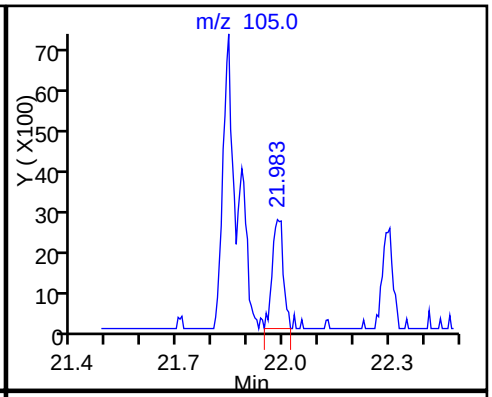
TestAmerica Burlington

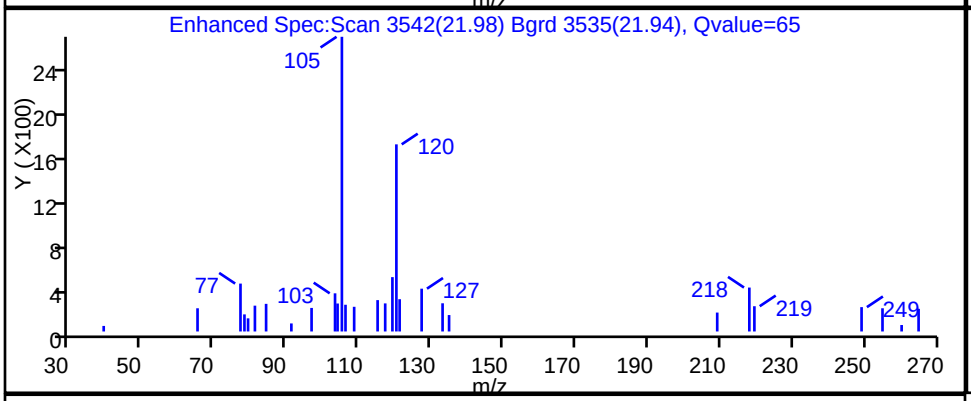
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

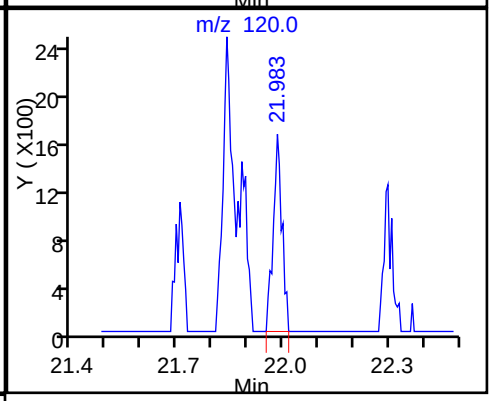
Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

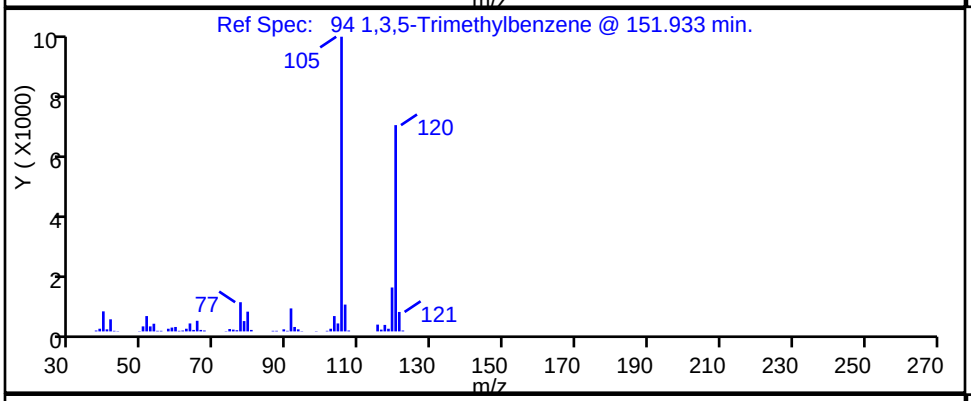
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

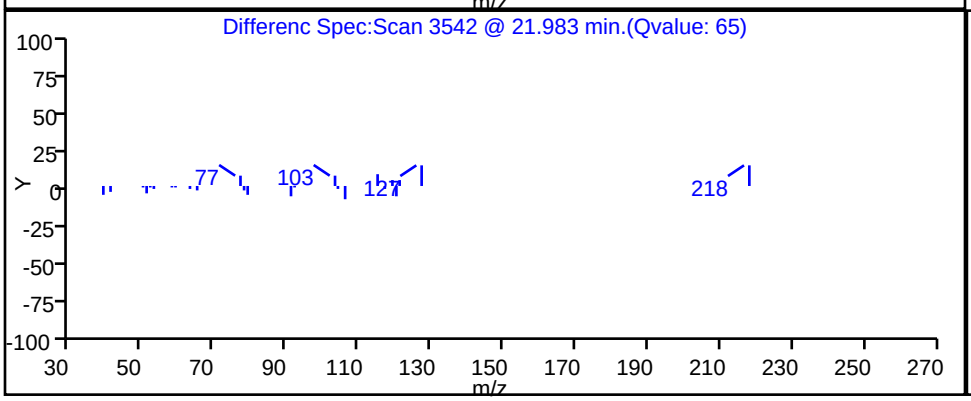


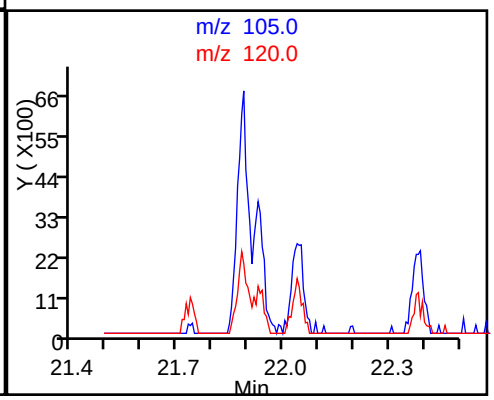












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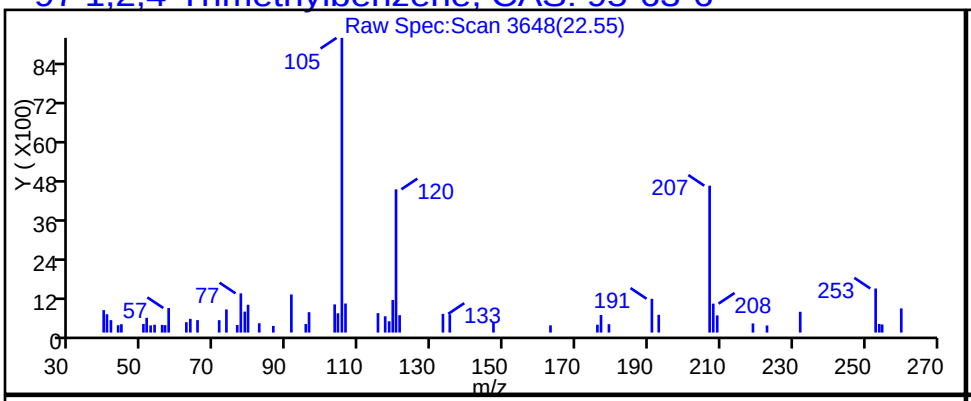
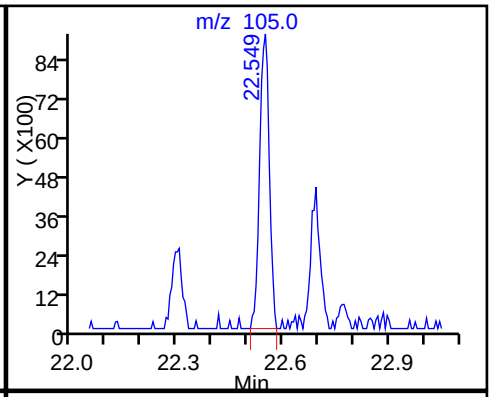
TestAmerica Burlington

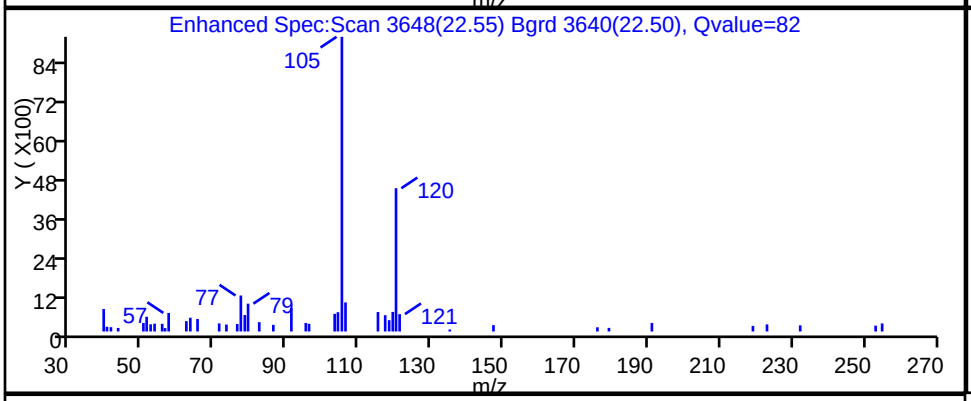
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_07.D

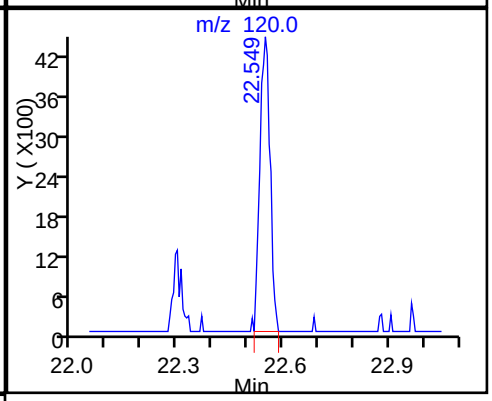
Injection Date:	10-Apr-2014 18:36:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-1	Lab Sample ID:	200-21727-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

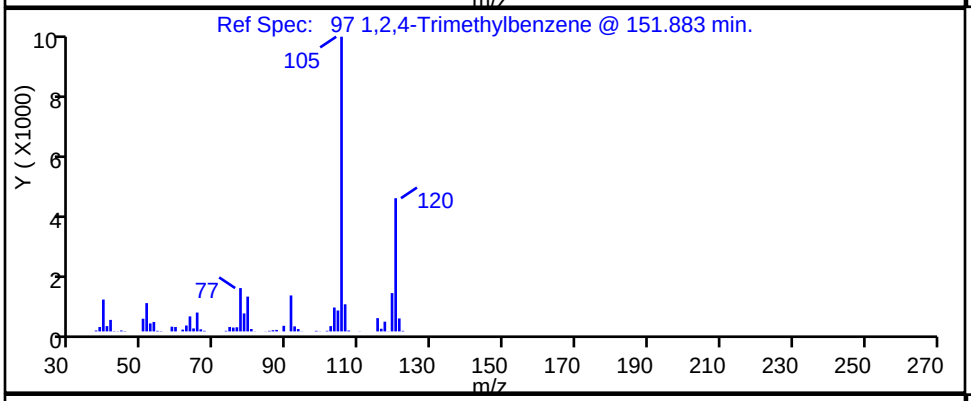
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

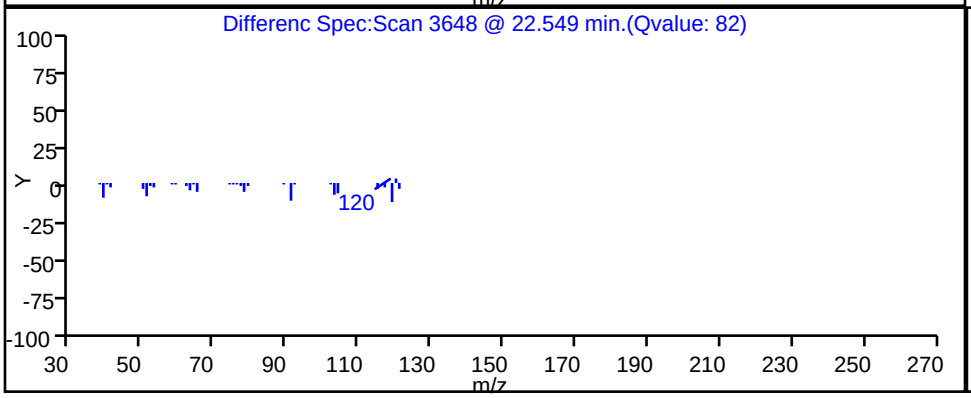


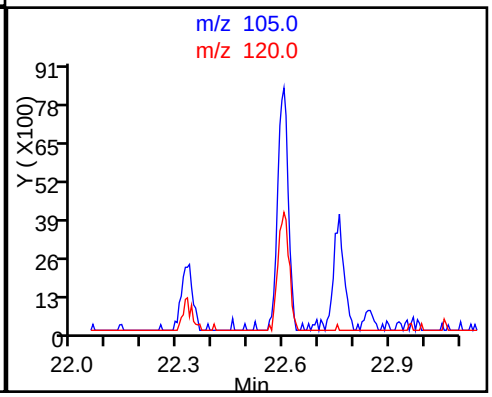












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-21727-2

Matrix: Air Lab File ID: 6977_08.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:26

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 19:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.54		0.50	0.030
75-45-6	Freon 22	86.47	0.38	J	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.56		0.50	0.14
106-97-8	n-Butane	58.12	0.38	J	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.57		0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.085	J	0.20	0.030
76-13-1	Freon 113	187.38	0.047	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	2.1	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	0.26	J	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.10	J	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.21	J	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.33		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.33	J	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.52		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.52		0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-21727-2

Matrix: Air Lab File ID: 6977_08.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:26

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 19:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.082	J	0.50	0.027
108-88-3	Toluene	92.14	0.035	J	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.029	J	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.11	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.37	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.080	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.45		0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-21727-2

Matrix: Air Lab File ID: 6977_08.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:26

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 19:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-21727-2

Matrix: Air Lab File ID: 6977_08.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:26

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 19:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.7		2.5	0.15
75-45-6	Freon 22	86.47	1.3	J	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.2		1.0	0.28
106-97-8	n-Butane	58.12	0.90	J	1.2	0.67
75-01-4	Vinyl chloride	62.50	1.4		0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	0.48	J	1.1	0.17
76-13-1	Freon 113	187.38	0.36	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	4.9	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	0.64	J	12	0.53
75-15-0	Carbon disulfide	76.14	0.32	J	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	0.74	J	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	1.3		0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	0.99	J	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	2.0		0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	2.1		0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-21727-2

Matrix: Air Lab File ID: 6977_08.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:26

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 19:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.34	J	2.0	0.11
108-88-3	Toluene	92.14	0.13	J	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	0.20	J	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.47	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	1.6	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.35	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	2.0		0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-21727-2

Matrix: Air Lab File ID: 6977_08.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:26

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 19:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D
Lims ID: 200-21727-A-2 Lab Sample ID: 200-21727-2
Client ID: GCTS POST CARBON
Sample Type: Client
Inject. Date: 10-Apr-2014 19:28:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006977-008
Misc. Info.: 21727-2
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 10:43:52 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 10:43:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.261	3.256	0.005	99	70780	0.5400	
6 Chlorodifluoromethane	51	3.320	3.315	0.005	89	16540	0.3754	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50	3.704	3.699	0.005	94	12131	0.5598	
9 Butane	43	3.928	3.912	0.016	85	13173	0.3805	
10 Vinyl chloride	62	3.971	3.966	0.005	83	18647	0.5662	
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.049					
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101	5.567	5.567	0.000	62	13786	0.0849	
23 1,1,2-Trichloro-1,2,2-trif	101	6.719	6.714	0.005	61	4620	0.0471	
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43	7.056	7.034	0.022	87	78230	2.07	
26 Carbon disulfide	76	7.141	7.141	0.000	80	9508	0.1020	
27 Isopropyl alcohol	45	7.397	7.355	0.042	75	7258	0.2618	
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.893	7.894	-0.001	59	5787	0.2121	
32 2-Methyl-2-propanol	59		8.155					
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61		8.342					
36 Hexane	57		8.732					
37 1,1-Dichloroethane	63	9.249	9.260	-0.011	77	21194	0.3266	
S 41 1,2-Dichloroethene, Total	61				0		0.5159	
39 cis-1,2-Dichloroethene	96	10.418	10.418	0.000	85	29670	0.5159	
40 2-Butanone (MEK)	72	10.514	10.498	0.016	94	7192	0.3349	
* 43 Chlorobromomethane	128	10.909	10.909	0.000	64	508754	10.0	
44 Tetrahydrofuran	42		10.925					
45 Chloroform	83		11.048					
46 Cyclohexane	84		11.283					
47 1,1,1-Trichloroethane	97		11.325					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		11.581					
51 Isooctane	57		12.035					
50 Benzene	78		12.083					
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43		12.451					
* 54 1,4-Difluorobenzene	114	12.974	12.980	-0.006	91	2703610	10.0	
56 Trichloroethene	95		13.460					
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69		14.234					
60 1,4-Dioxane	88		14.303					
62 Dichlorobromomethane	83		14.629					
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43	15.920	15.894	0.026	71	7380	0.0822	
66 Toluene	92	16.182	16.182	0.000	67	5193	0.0346	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166	17.265	17.265	0.000	62	5706	0.0295	
73 2-Hexanone	43		17.639					
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	80	2635557	10.0	
77 Chlorobenzene	112		19.181					
78 Ethylbenzene	91	19.325	19.325	0.000	87	37976	0.1072	
81 m-Xylene & p-Xylene	106	19.576	19.576	0.000	99	57178	0.3739	
S 82 Xylenes, Total	106				0		0.4541	
83 o-Xylene	106	20.382	20.387	-0.005	81	11977	0.0801	
84 Styrene	104		20.435					
85 Bromoform	173		20.836					
$ 87 4-Bromofluorobenzene	95	21.374	21.375	-0.001	96	1749403	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91		21.706					
91 4-Ethyltoluene	105		21.882					
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105		21.983					
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105		22.549					
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119		22.965					
100 1,3-Dichlorobenzene	146		23.008					
101 1,4-Dichlorobenzene	146		23.141					
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
105 1,2-Dichlorobenzene	146		23.696					
107 1,2,4-Trichlorobenzene	180		26.322					
108 Hexachlorobutadiene	225		26.509					
109 Naphthalene	128		26.850					

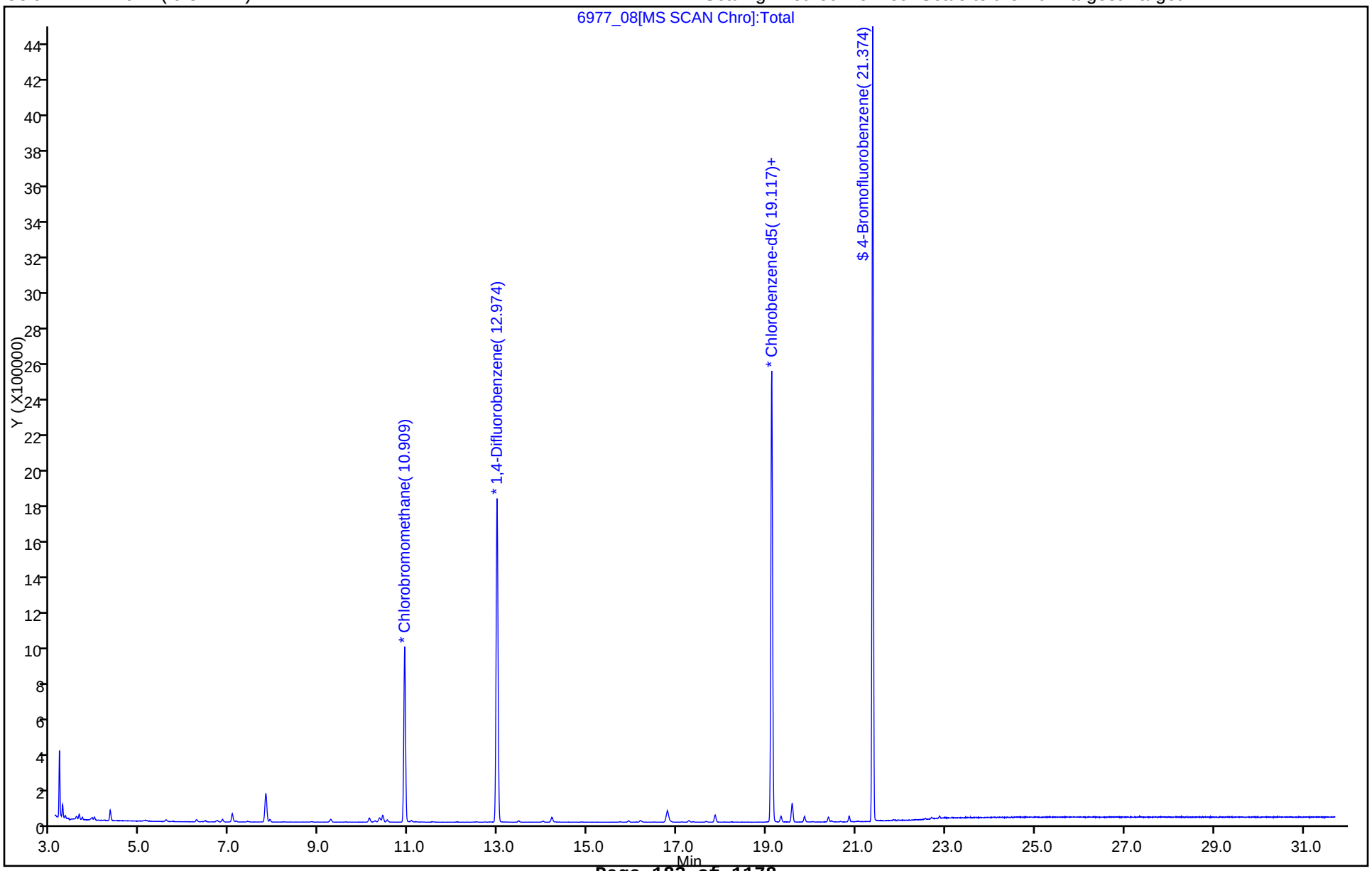
Report Date: 11-Apr-2014 10:43:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D

Injection Date:	10-Apr-2014 19:28:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-2	Lab Sample ID:	200-21727-2	Worklist Smp#:	8
Client ID:	GCTS POST CARBON				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



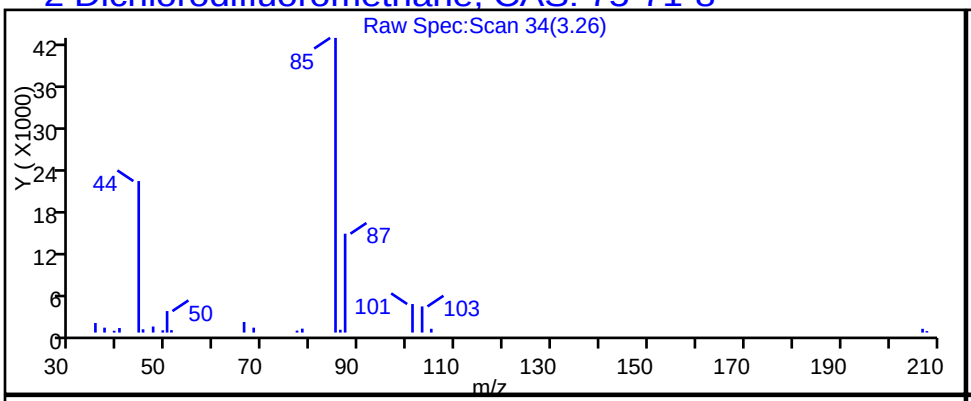
Report Date: 11-Apr-2014 10:43:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

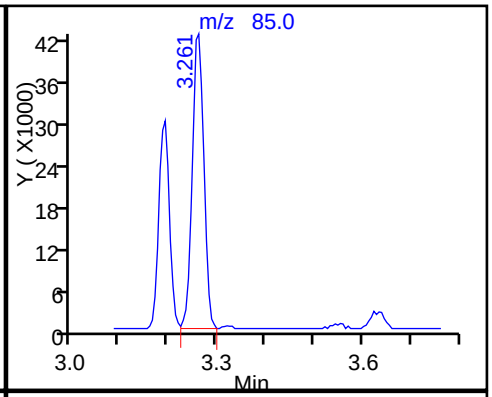
TestAmerica Burlington

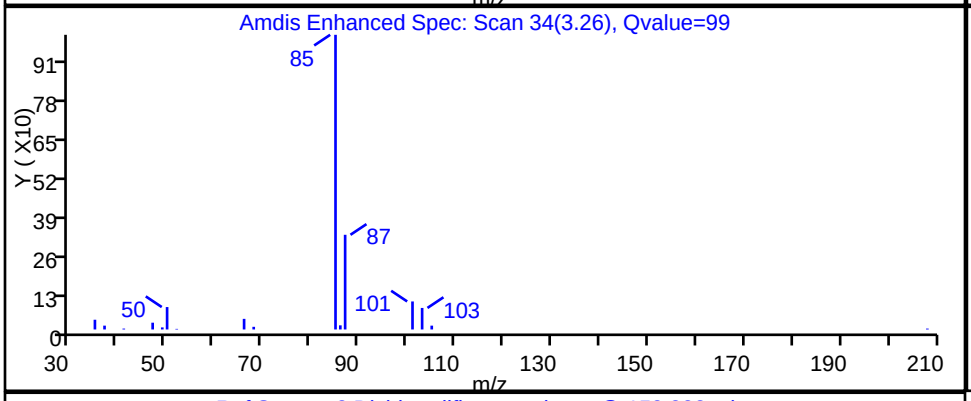
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D

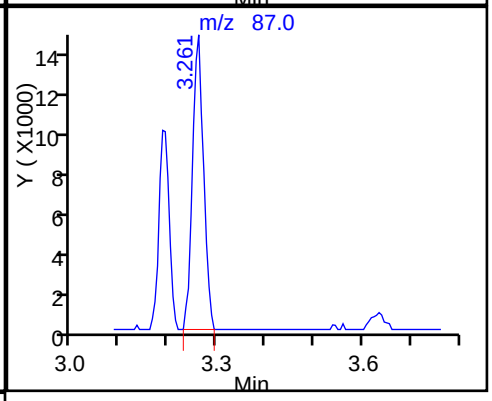
Injection Date:	10-Apr-2014 19:28:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-2	Lab Sample ID:	200-21727-2		
Client ID:	GCTS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

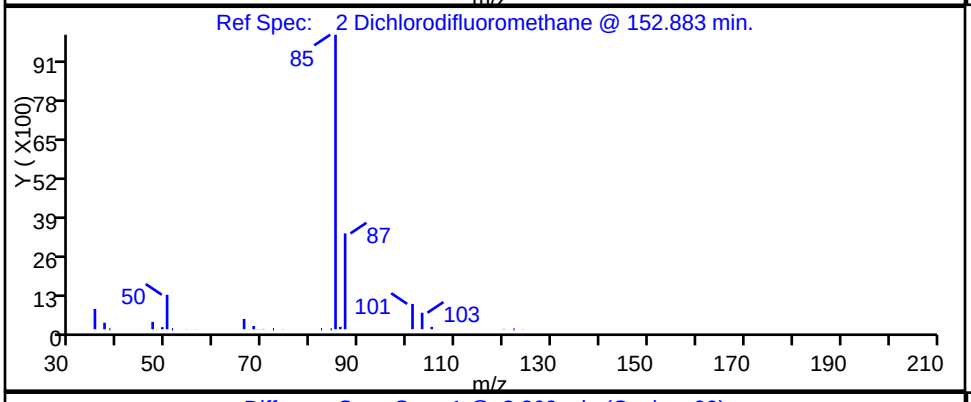
2 Dichlorodifluoromethane, CAS: 75-71-8

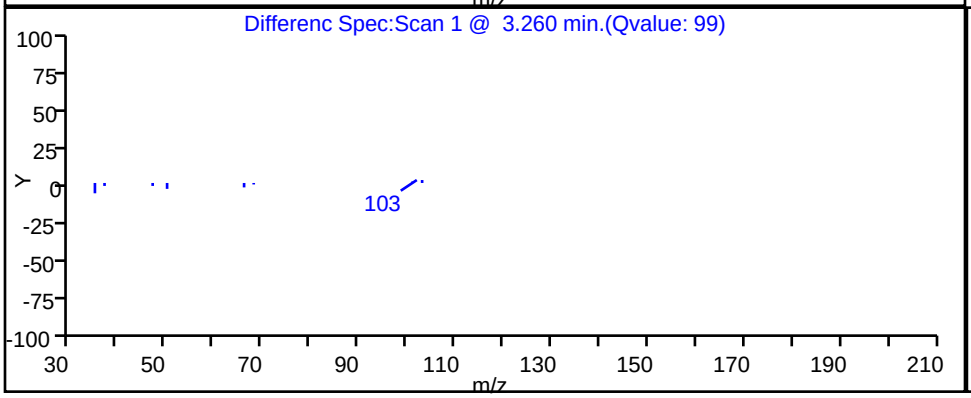


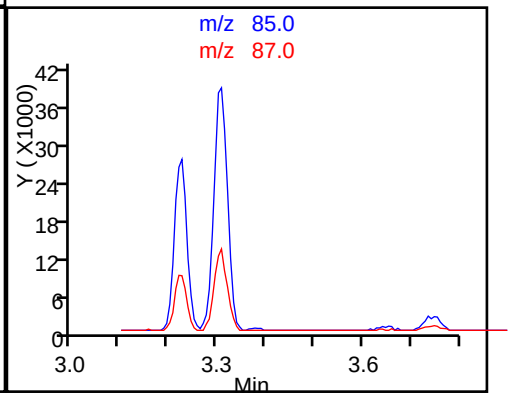












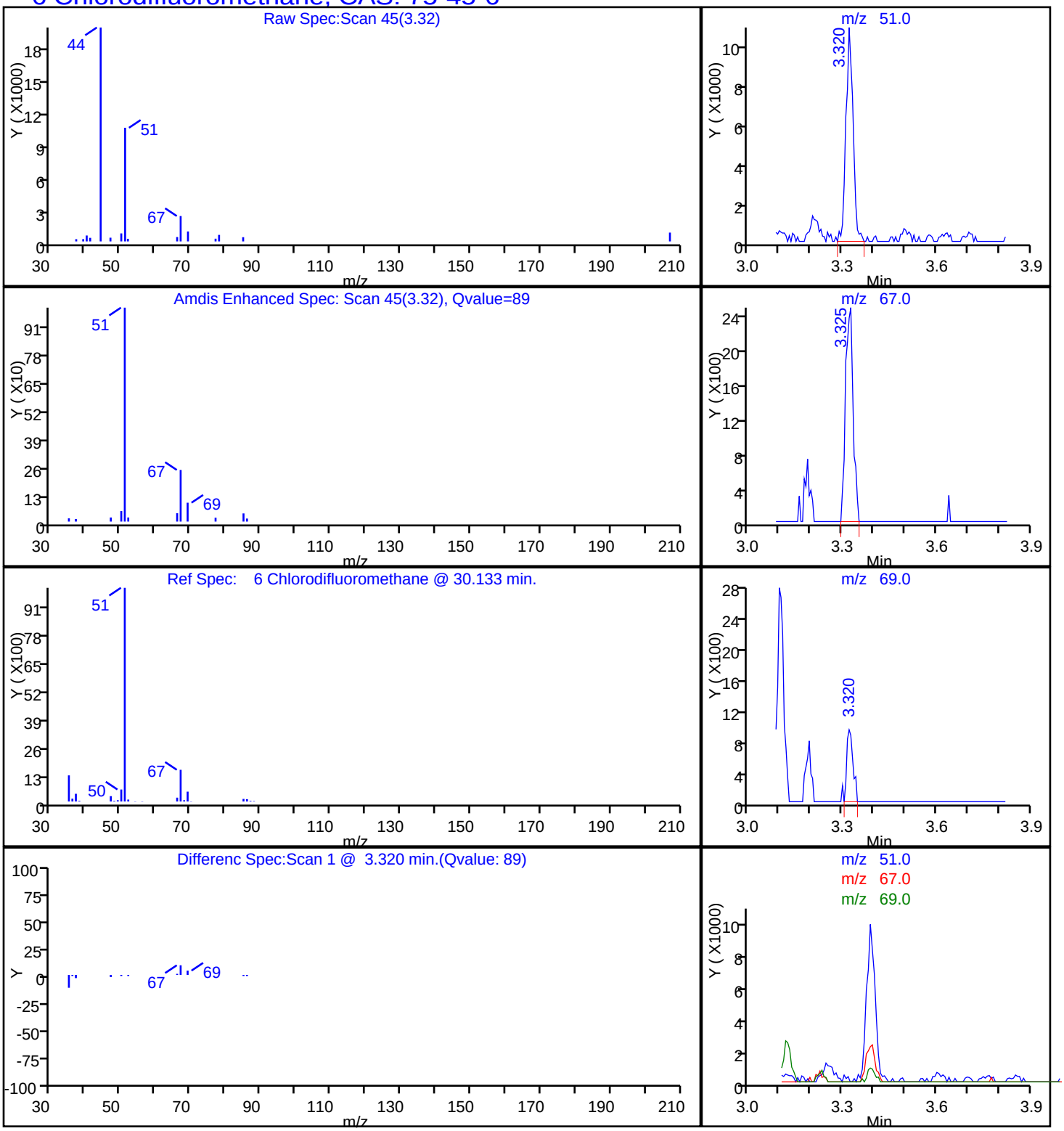
Report Date: 11-Apr-2014 10:43:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D

Injection Date:	10-Apr-2014 19:28:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-2	Lab Sample ID:	200-21727-2		
Client ID:	GCTS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



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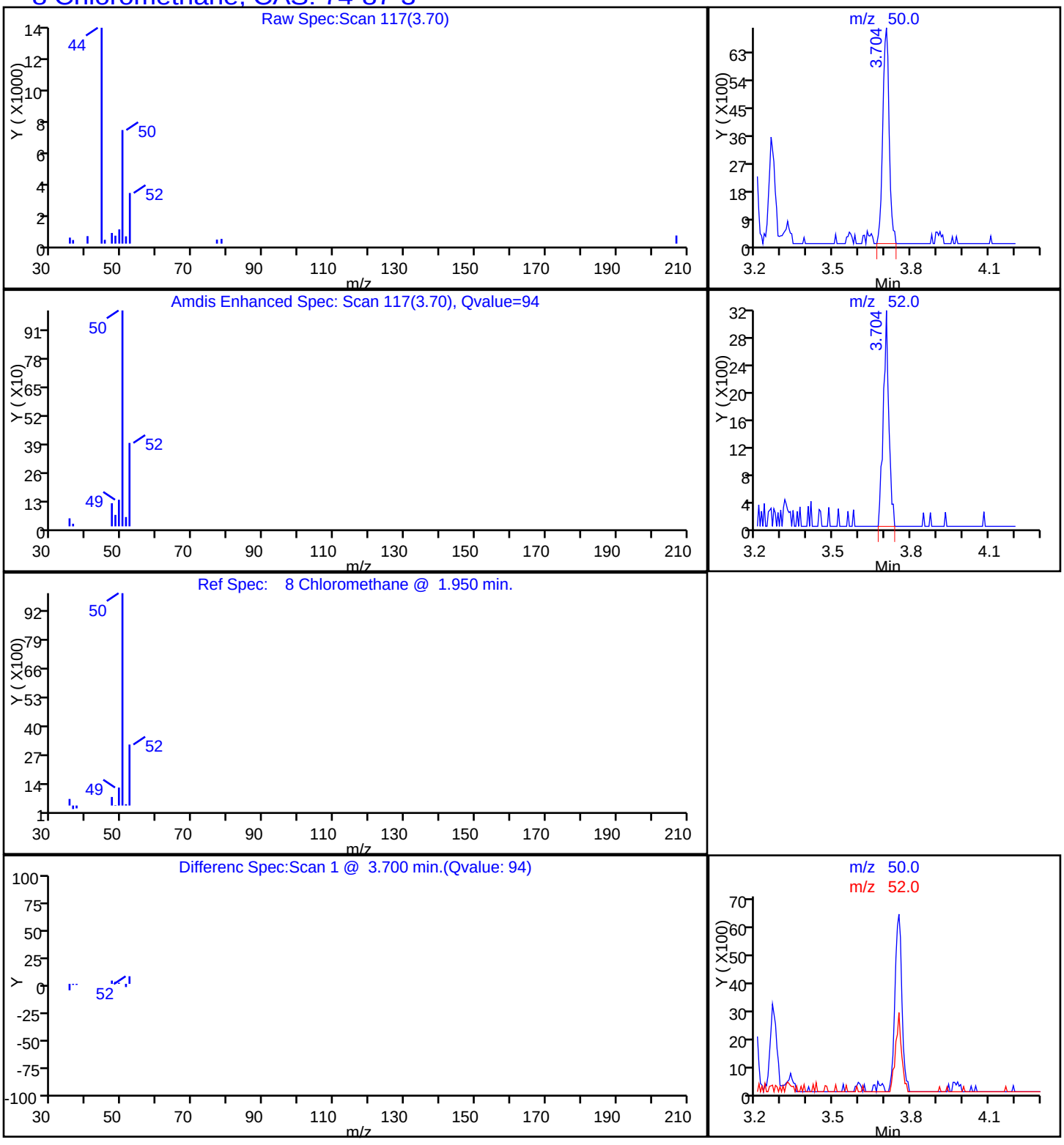
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D

Injection Date:	10-Apr-2014 19:28:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-2	Lab Sample ID:	200-21727-2		
Client ID:	GCTS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3



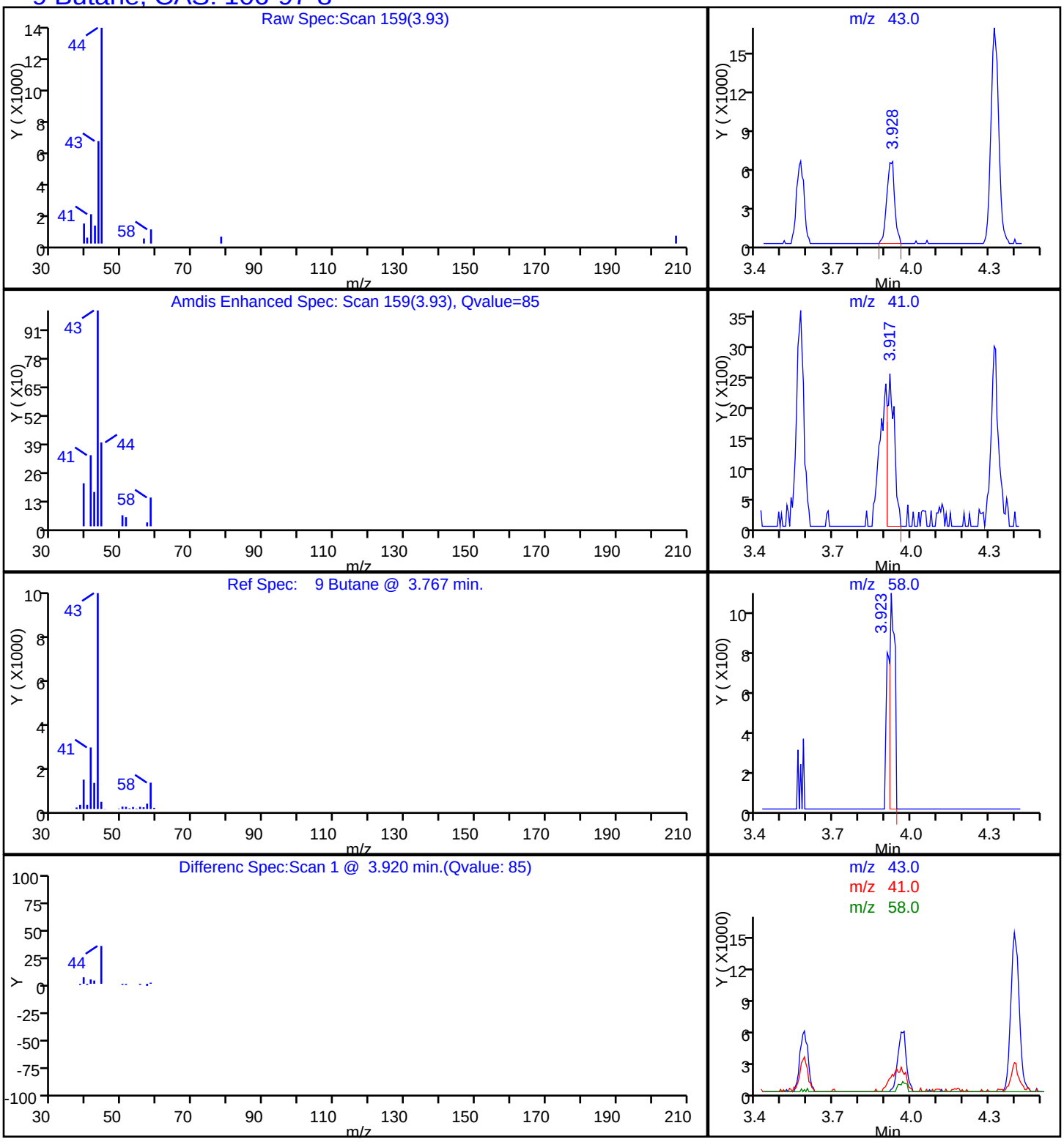
Report Date: 11-Apr-2014 10:43:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D

Injection Date:	10-Apr-2014 19:28:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-2	Lab Sample ID:	200-21727-2		
Client ID:	GCTS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



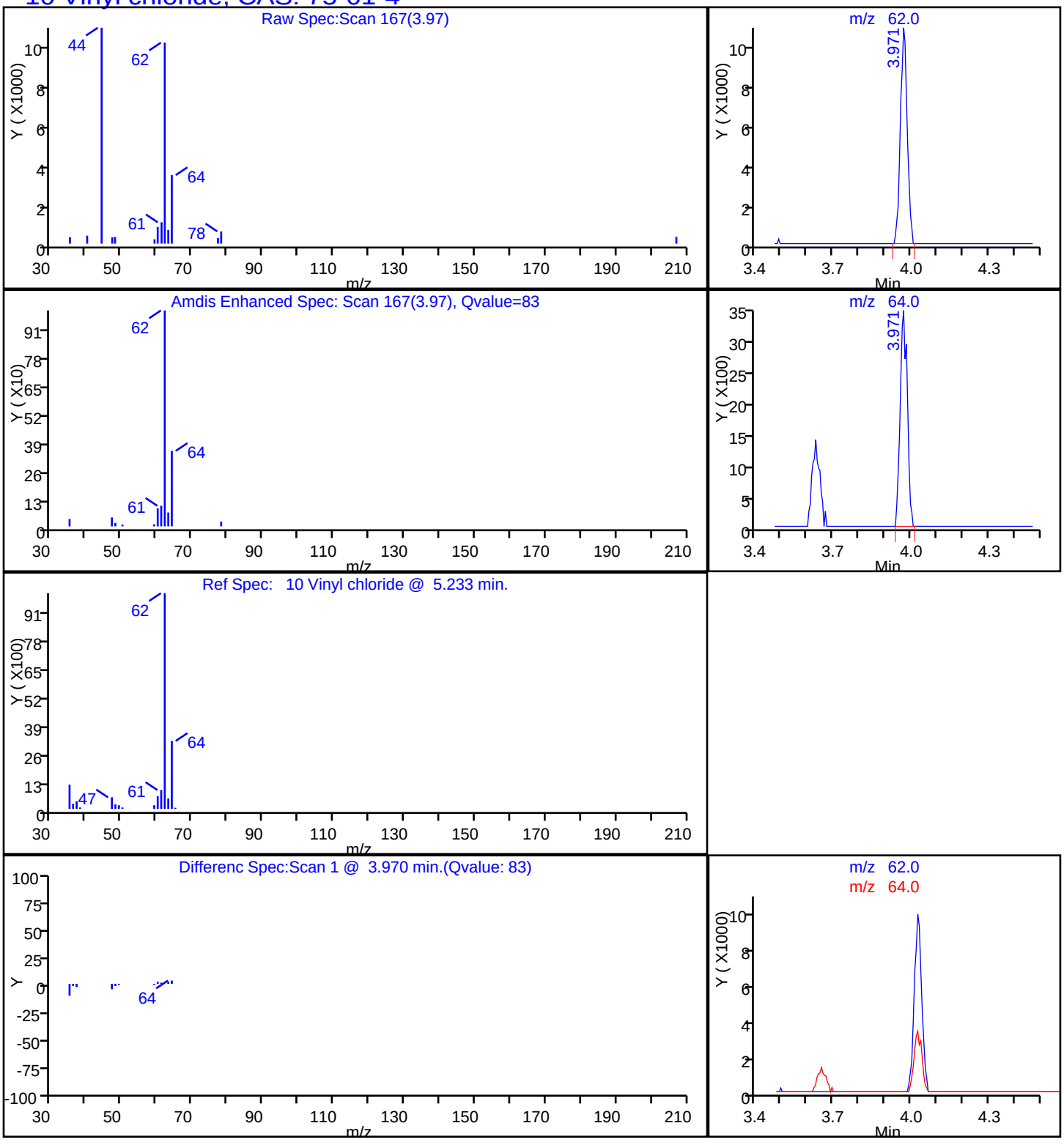
Report Date: 11-Apr-2014 10:43:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D

Injection Date:	10-Apr-2014 19:28:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-2	Lab Sample ID:	200-21727-2		
Client ID:	GCTS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

10 Vinyl chloride, CAS: 75-01-4



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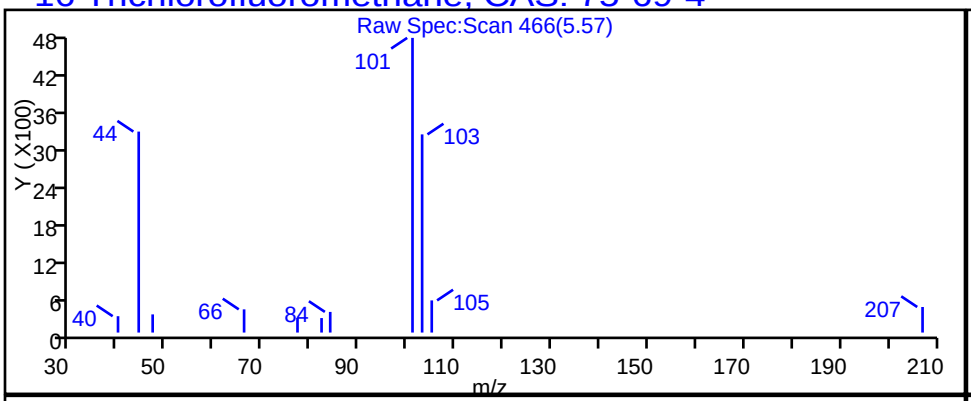
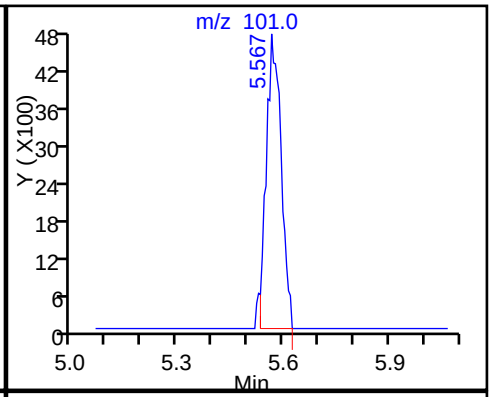
TestAmerica Burlington

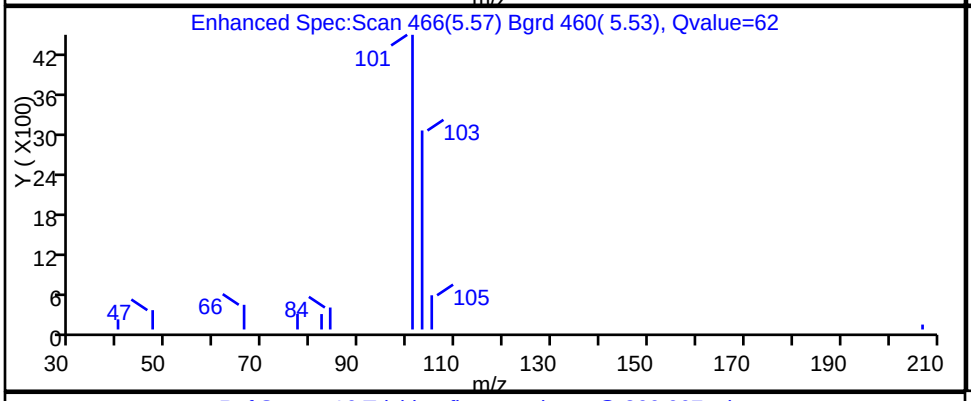
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D

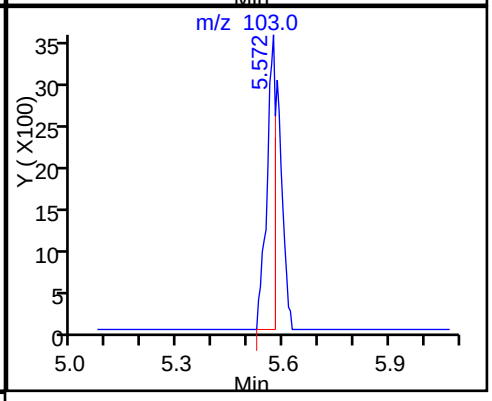
Injection Date:	10-Apr-2014 19:28:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-2	Lab Sample ID:	200-21727-2		
Client ID:	GCTS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

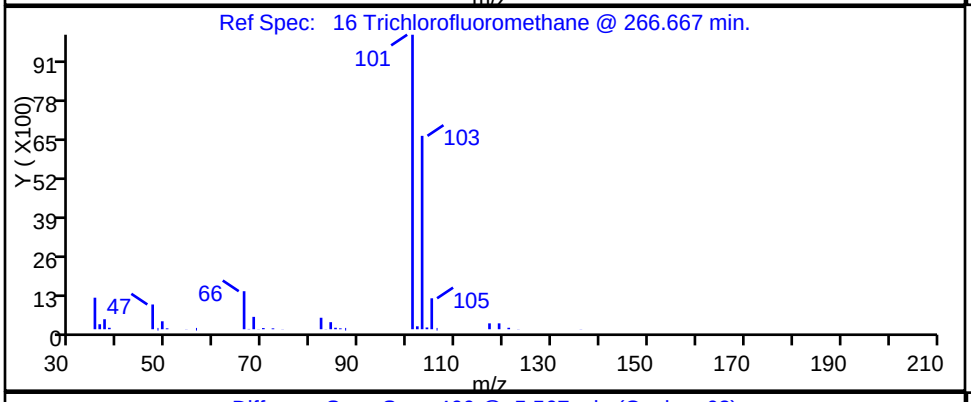
16 Trichlorofluoromethane, CAS: 75-69-4

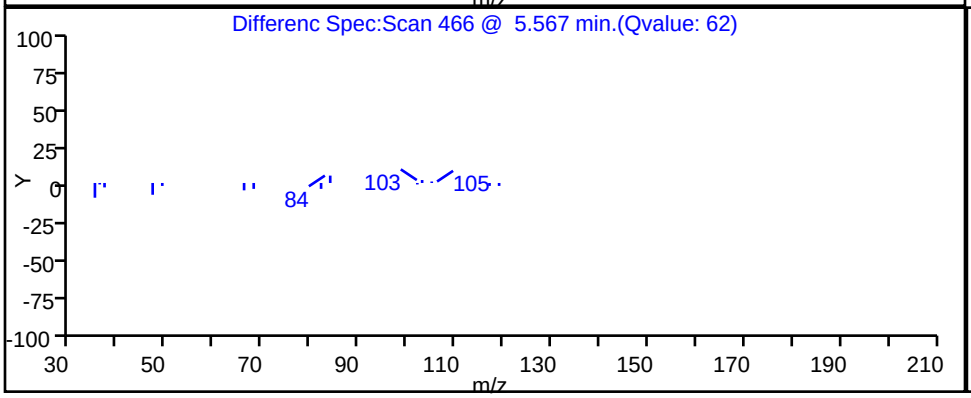


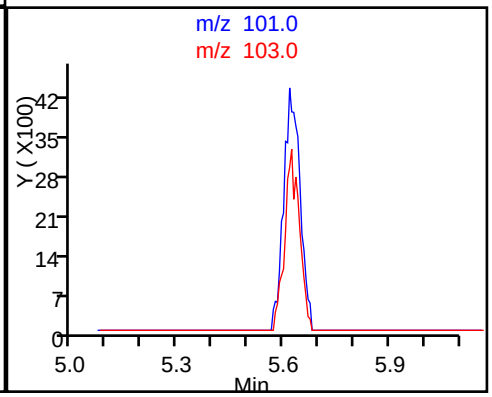












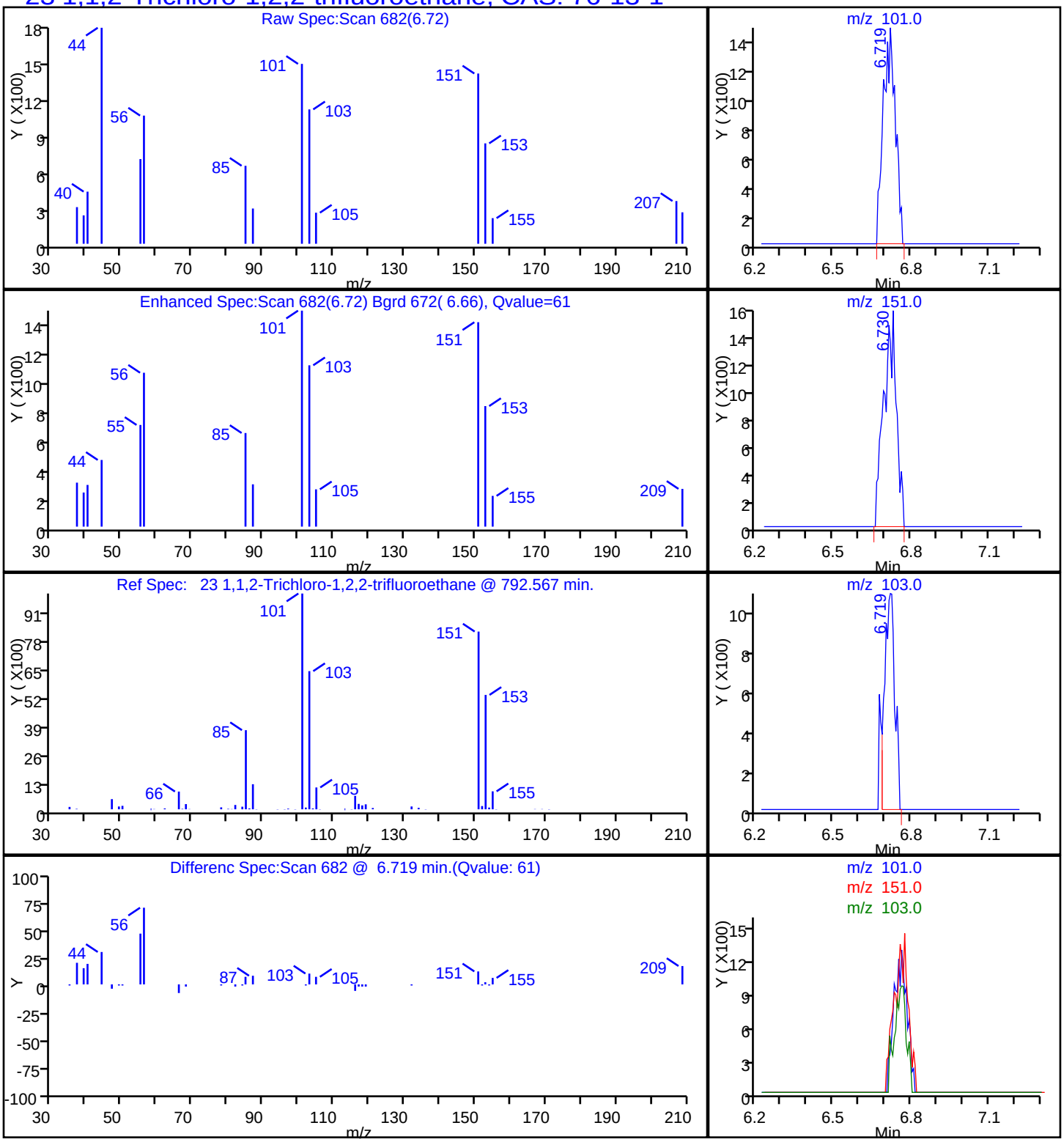
Report Date: 11-Apr-2014 10:43:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D

Injection Date:	10-Apr-2014 19:28:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-2	Lab Sample ID:	200-21727-2		
Client ID:	GCTS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



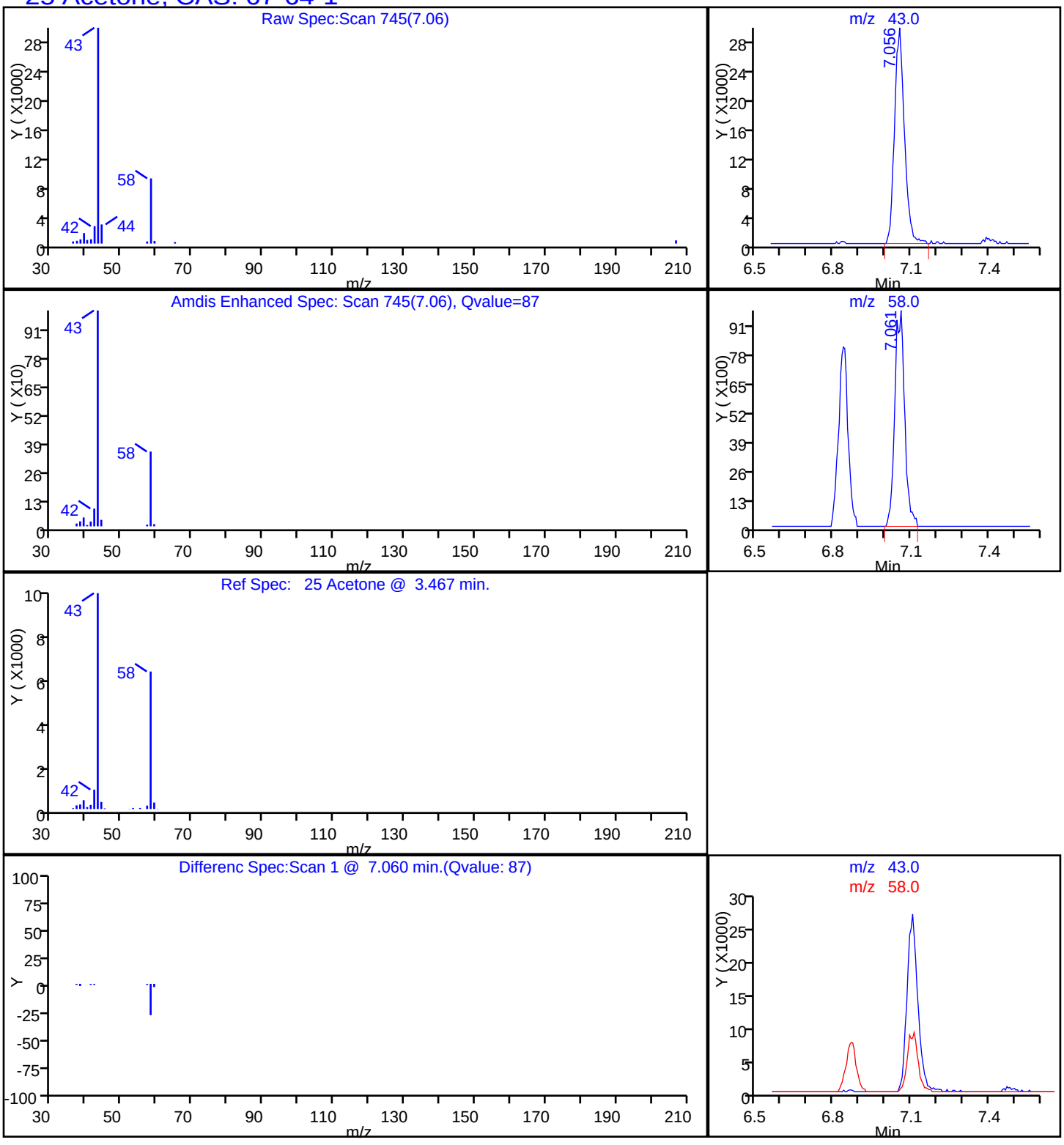
Report Date: 11-Apr-2014 10:43:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D

Injection Date:	10-Apr-2014 19:28:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-2	Lab Sample ID:	200-21727-2		
Client ID:	GCTS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



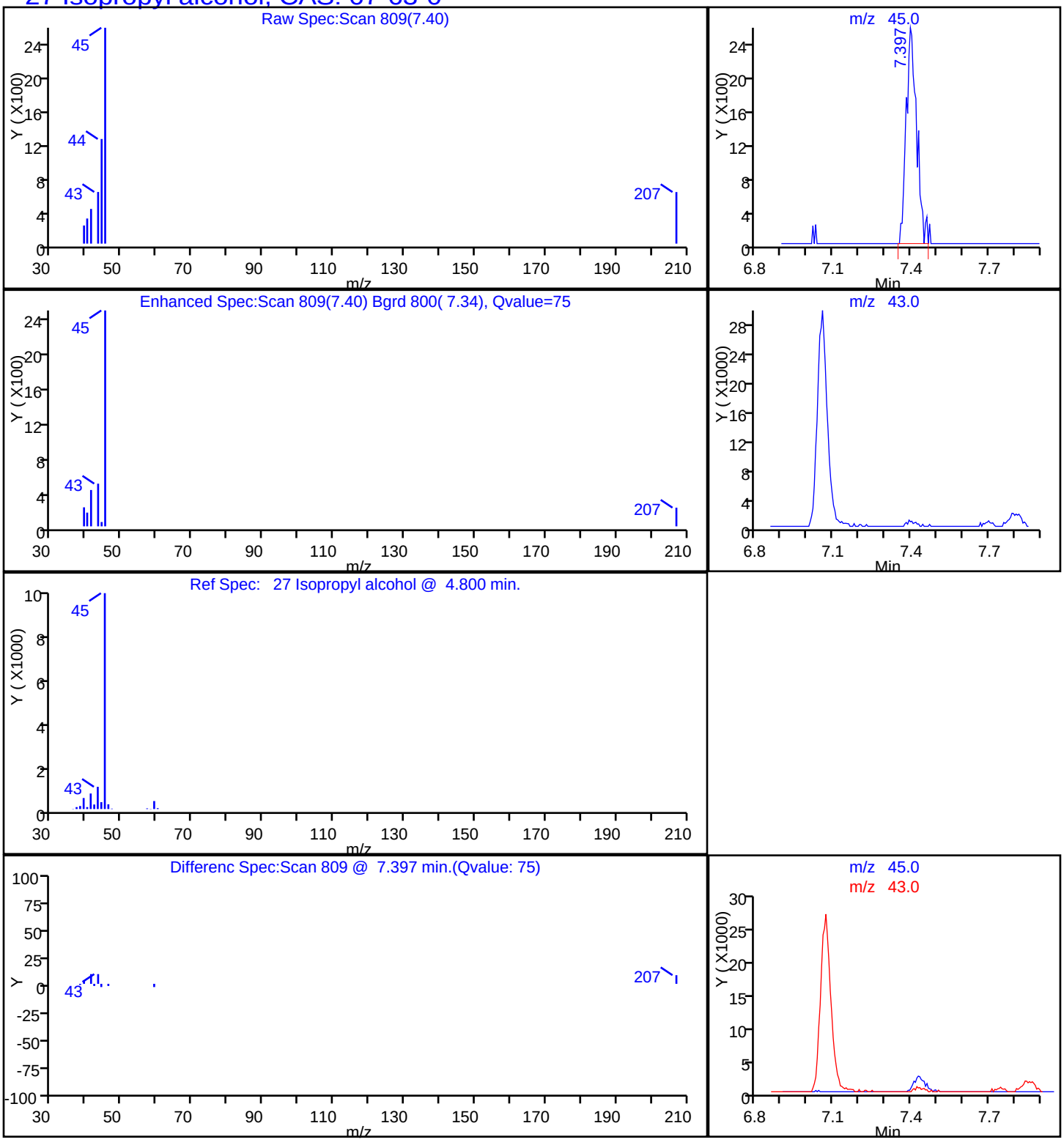
Report Date: 11-Apr-2014 10:43:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D

Injection Date:	10-Apr-2014 19:28:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-2	Lab Sample ID:	200-21727-2		
Client ID:	GCTS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0

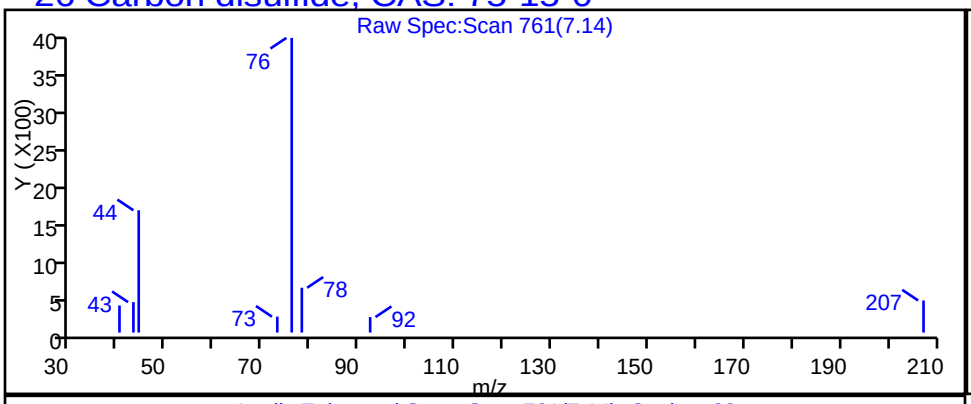


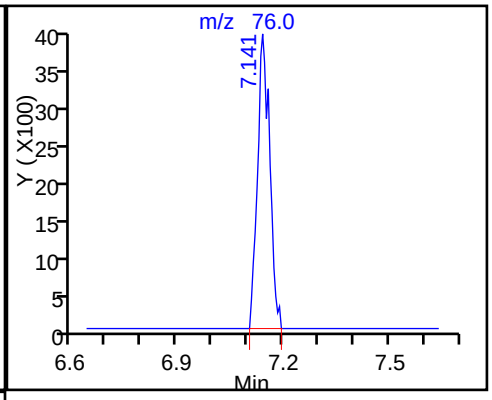
Report Date: 11-Apr-2014 10:43:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

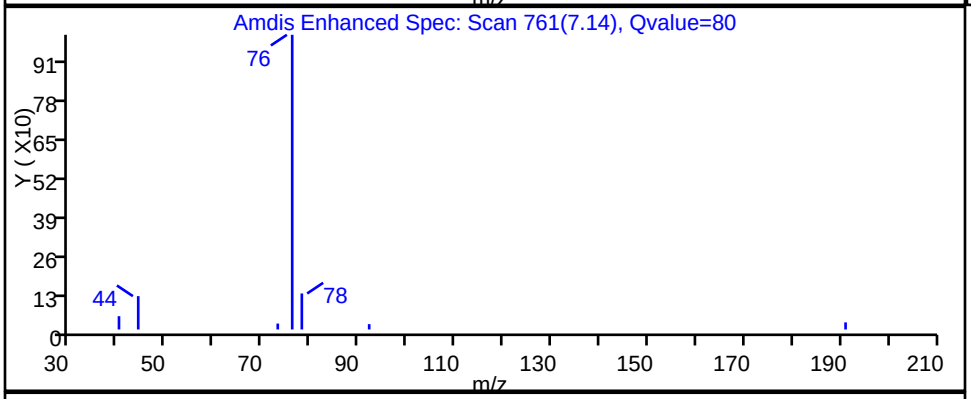
TestAmerica Burlington

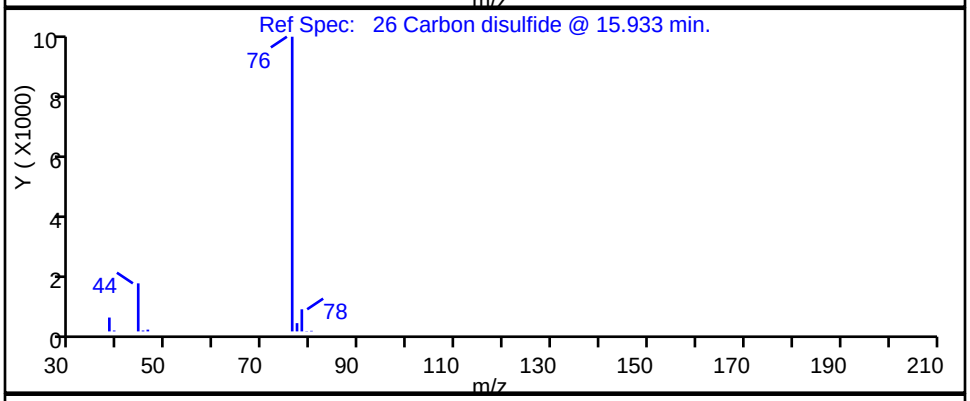
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D				
Injection Date:	10-Apr-2014 19:28:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-2	Lab Sample ID:	200-21727-2		
Client ID:	GCTS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

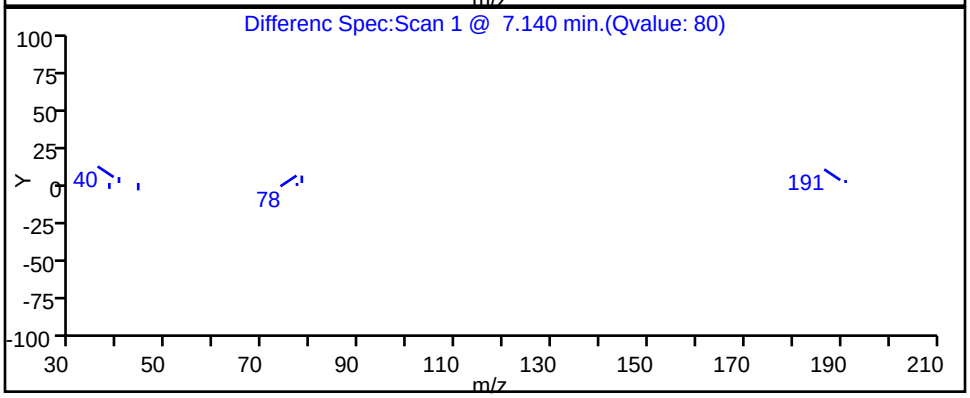
26 Carbon disulfide, CAS: 75-15-0











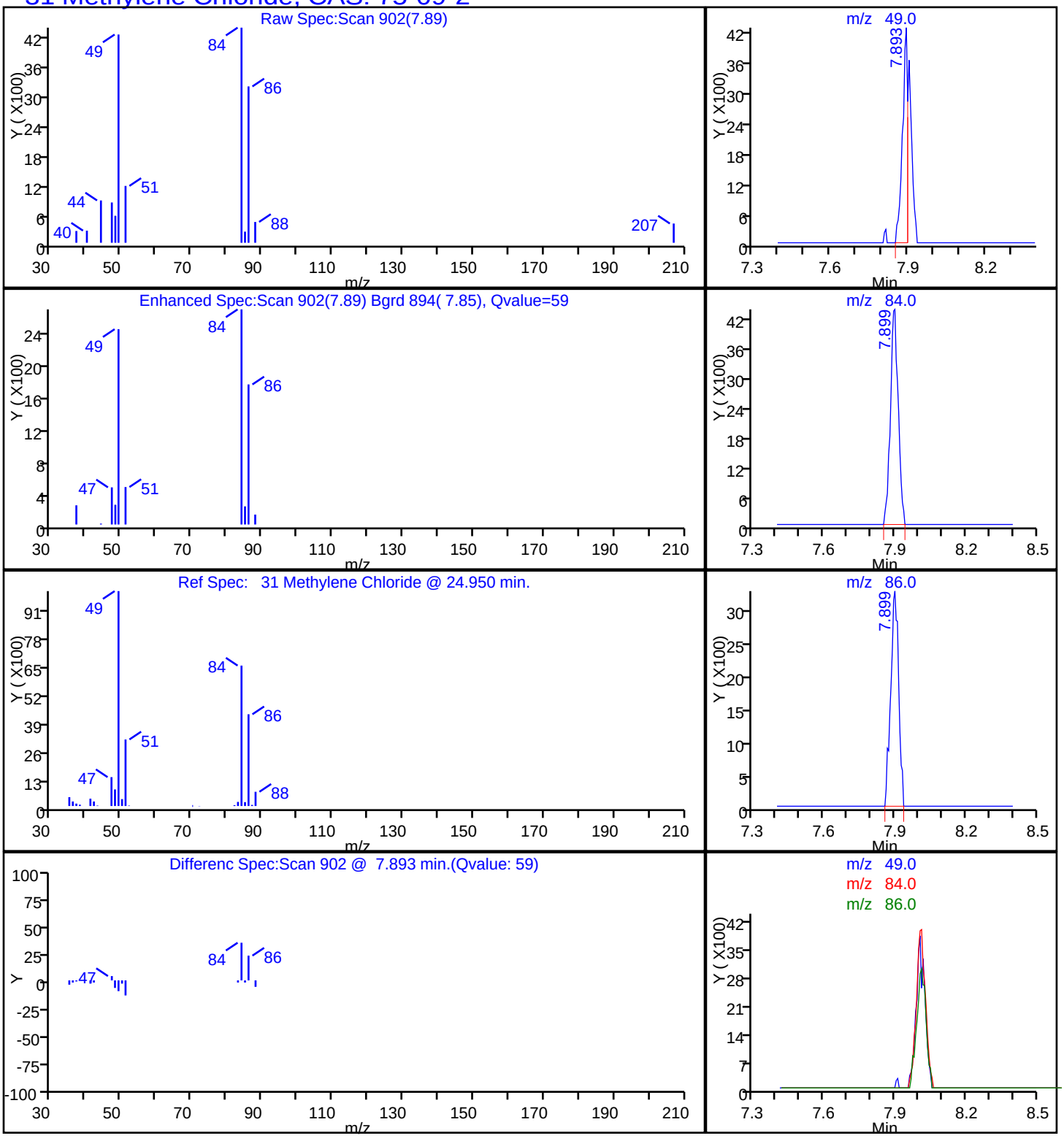
Report Date: 11-Apr-2014 10:43:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D

Injection Date:	10-Apr-2014 19:28:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-2	Lab Sample ID:	200-21727-2		
Client ID:	GCTS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



Report Date: 11-Apr-2014 10:43:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D

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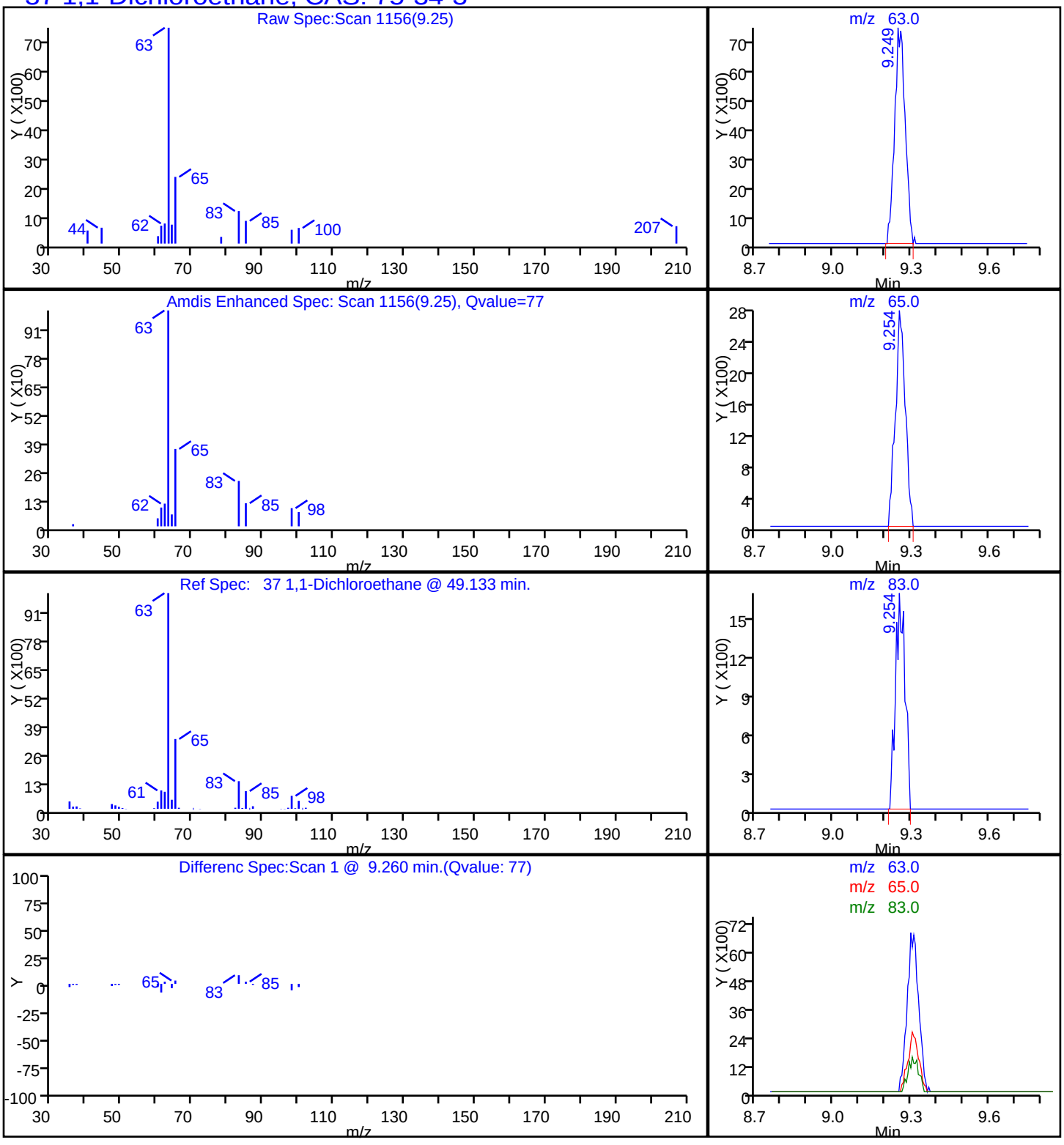
Client ID:	GCTS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



Report Date: 11-Apr-2014 10:43:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D

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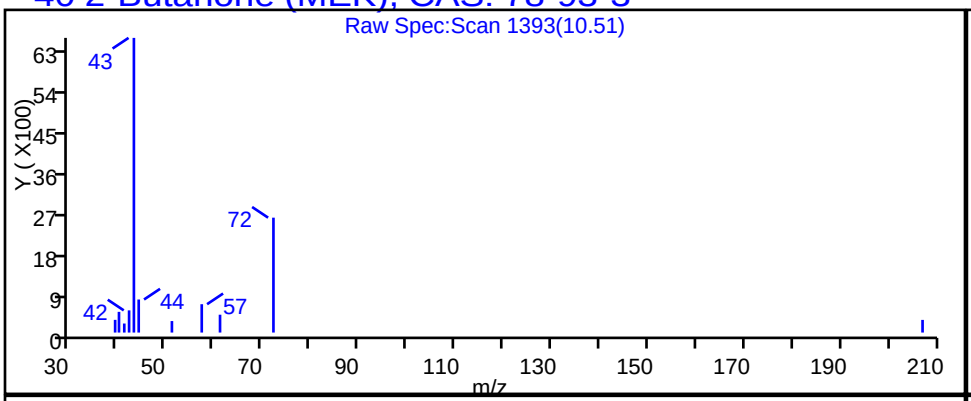
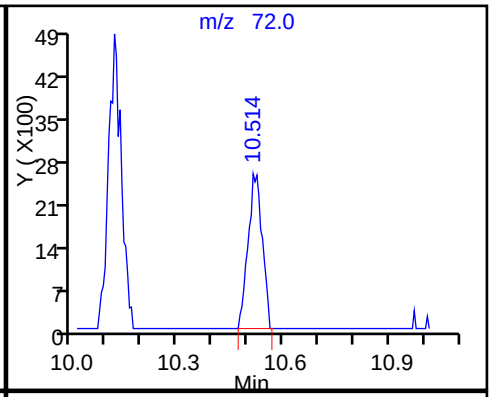
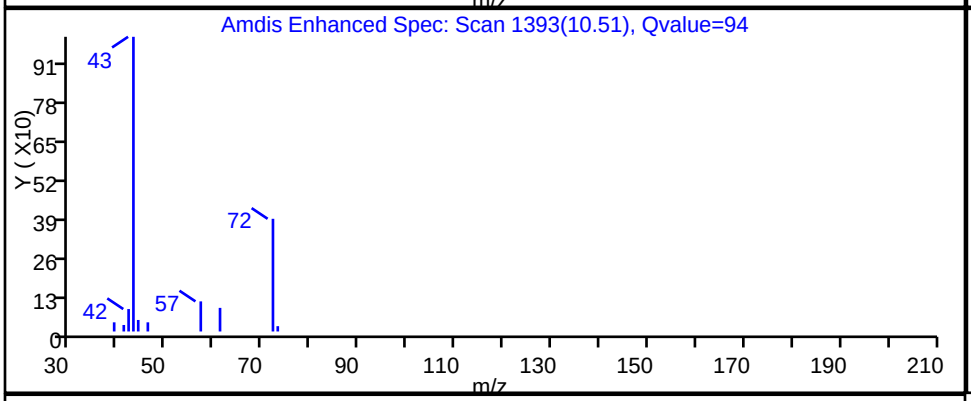
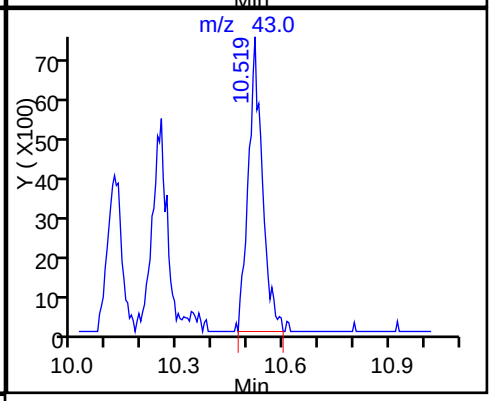
Client ID:	GCTS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

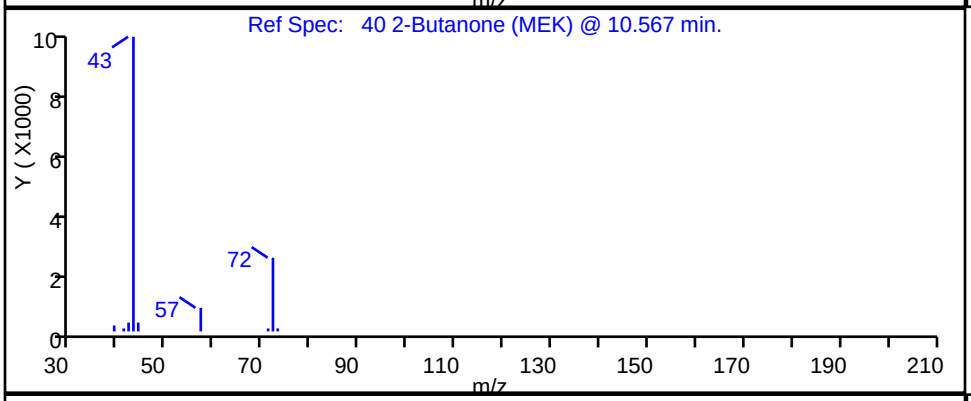
40 2-Butanone (MEK), CAS: 78-93-3

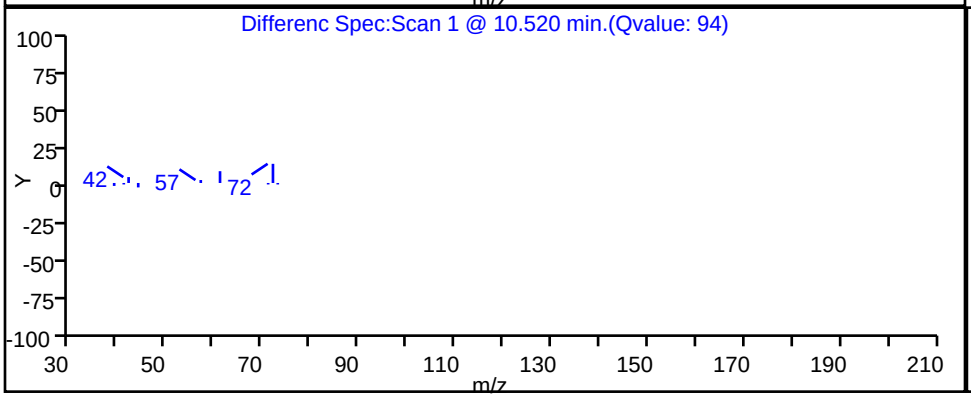


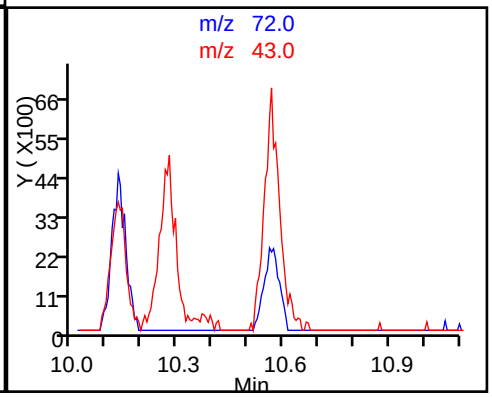












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TestAmerica Burlington

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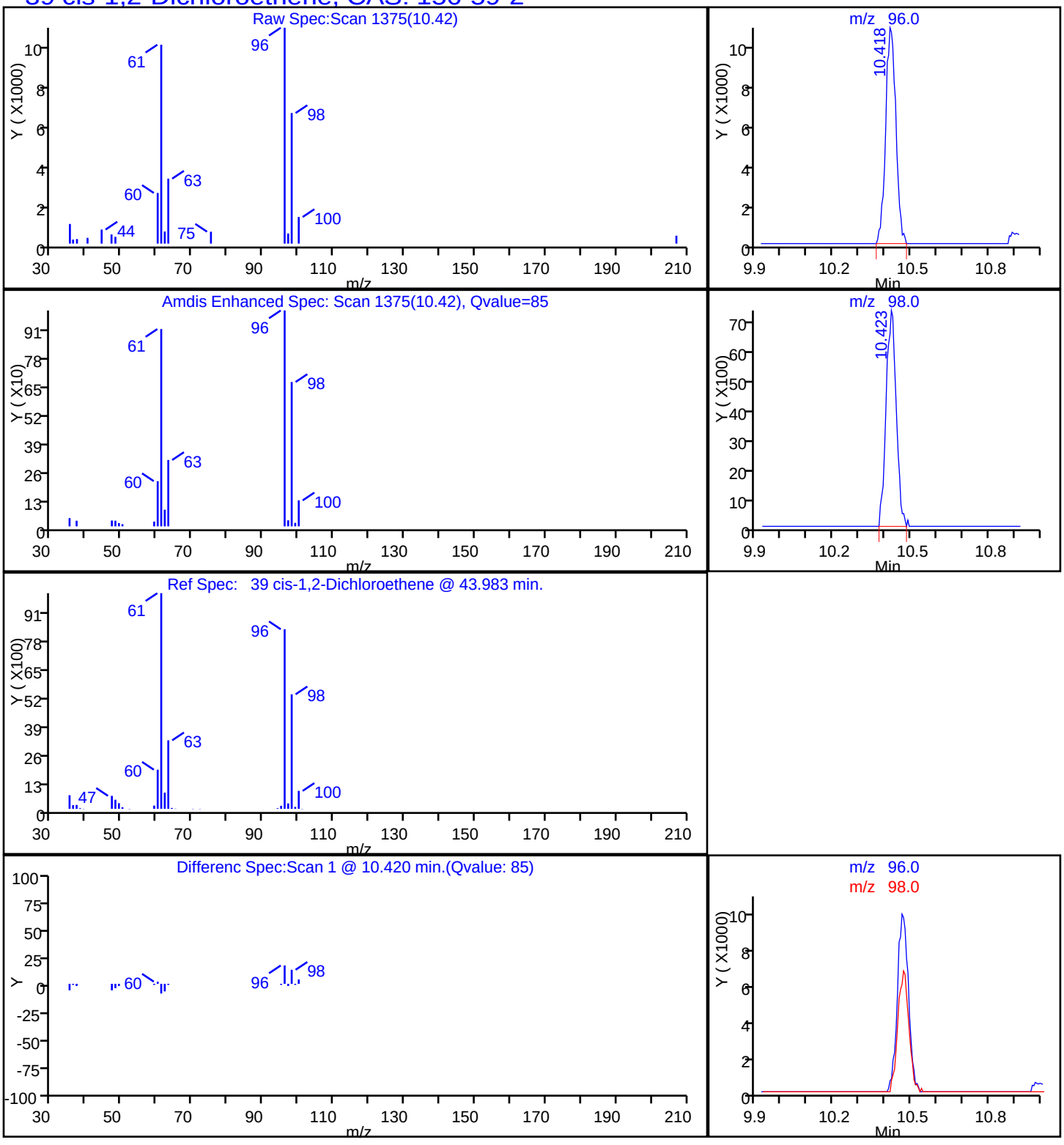
Injection Date:	10-Apr-2014 19:28:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-2	Lab Sample ID:	200-21727-2		
Client ID:	GCTS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2



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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D

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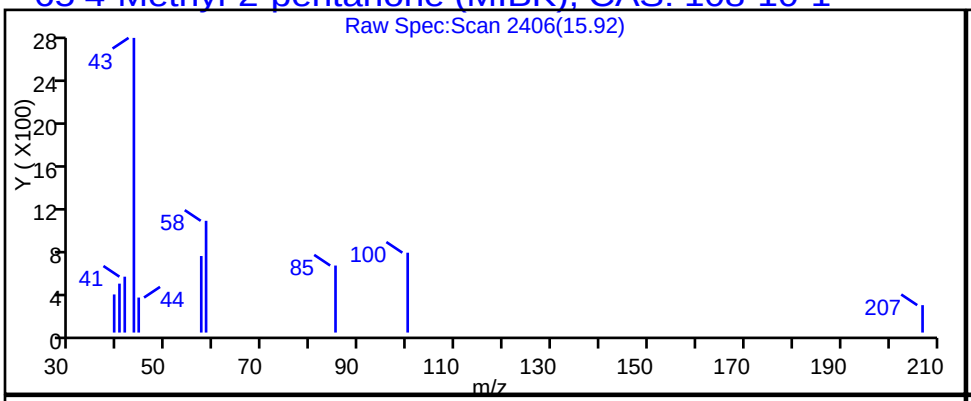
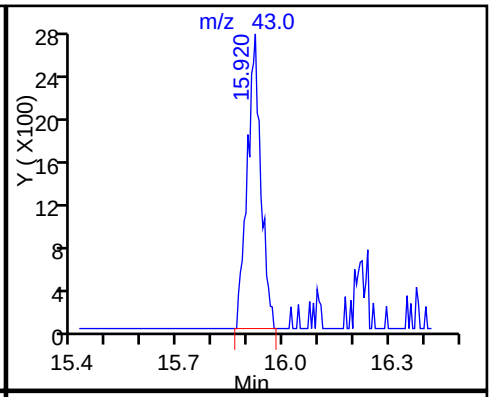
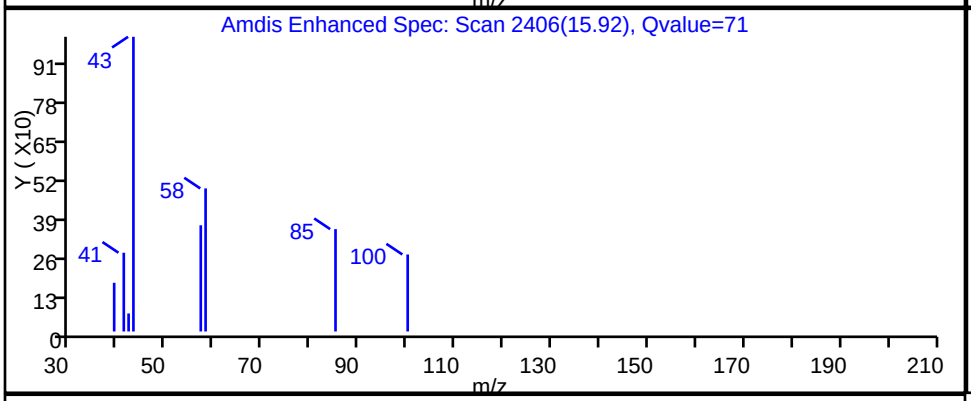
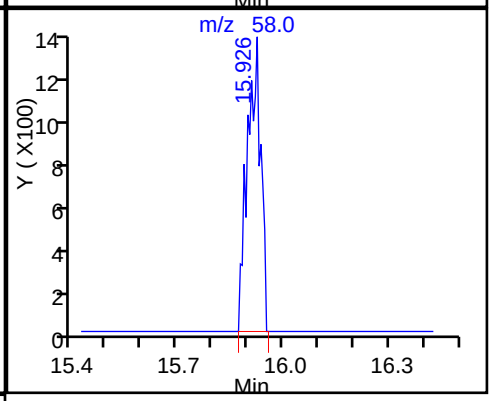
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

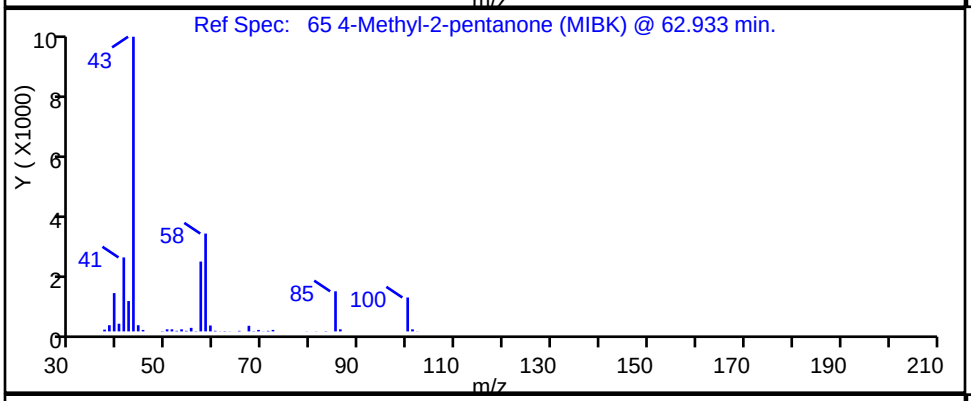
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

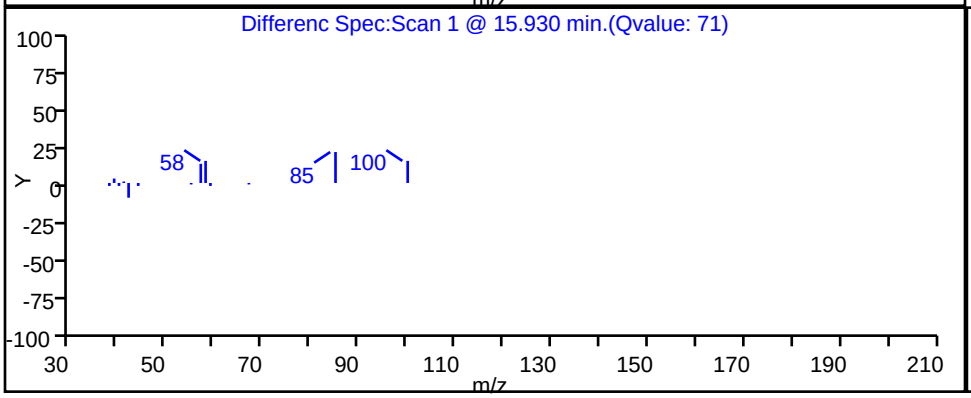


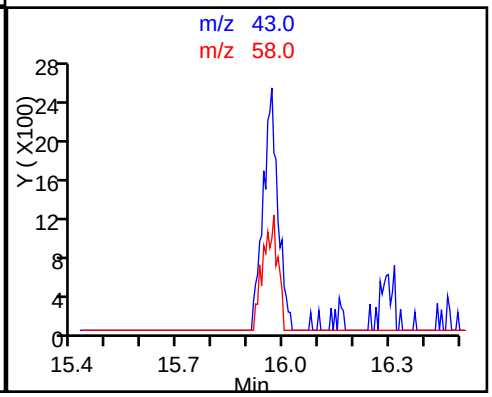












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TestAmerica Burlington

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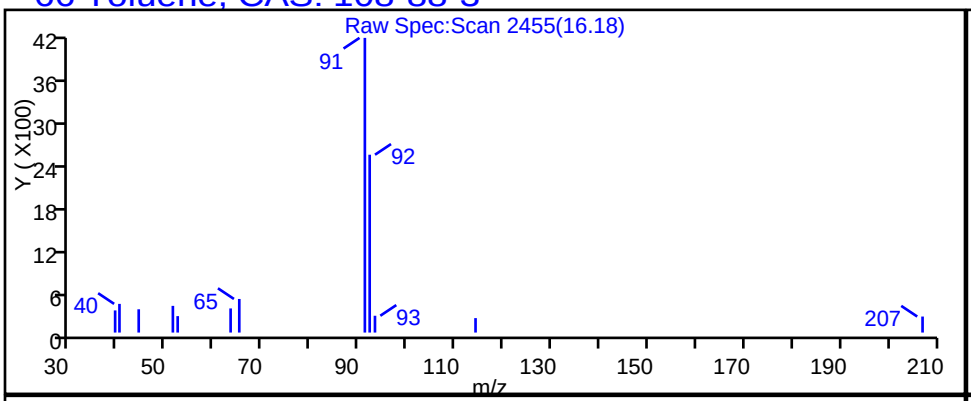
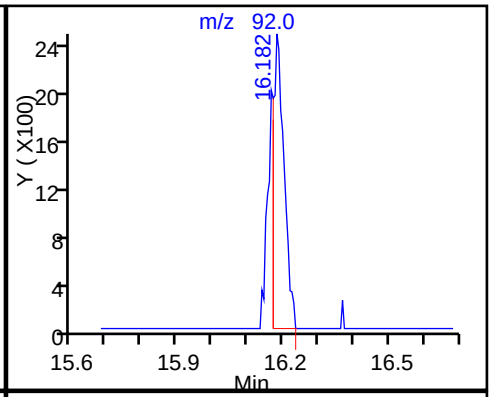
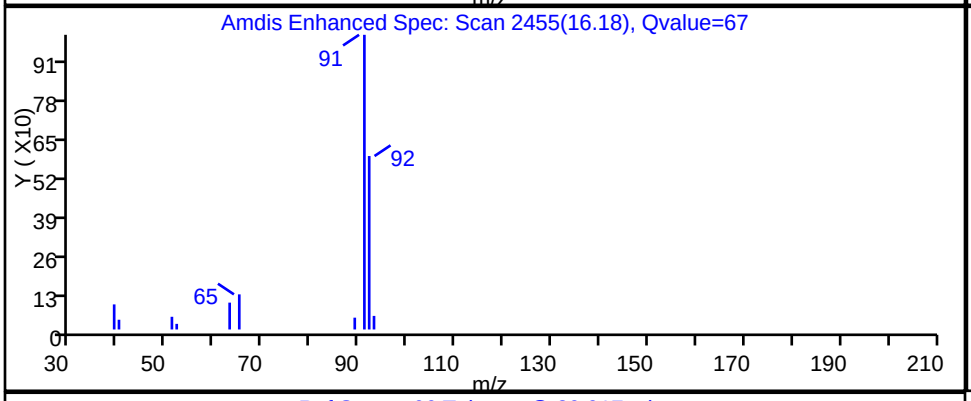
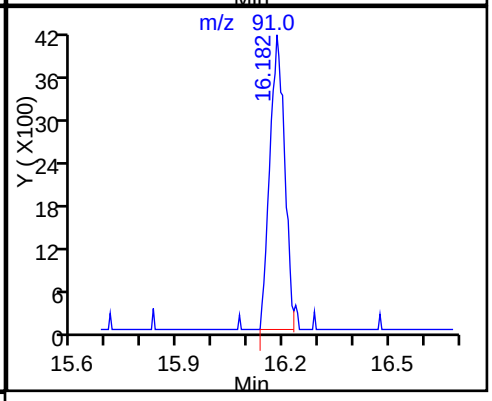
Injection Date:	10-Apr-2014 19:28:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-2	Lab Sample ID:	200-21727-2		
Client ID:	GCTS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

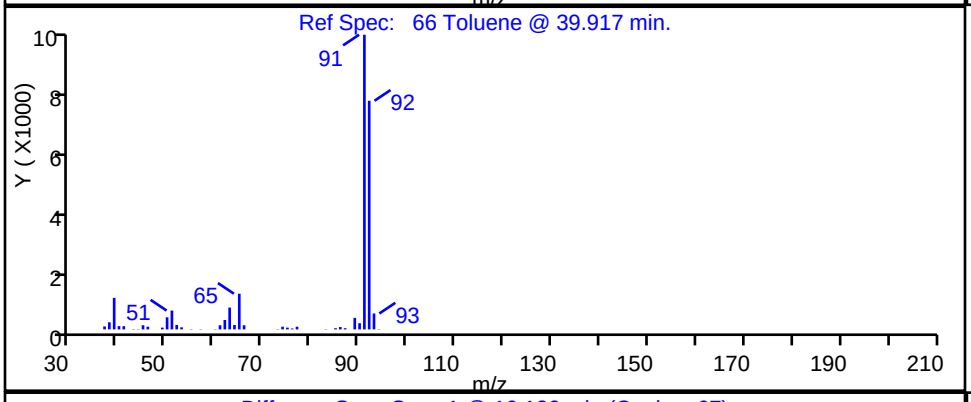
66 Toluene, CAS: 108-88-3

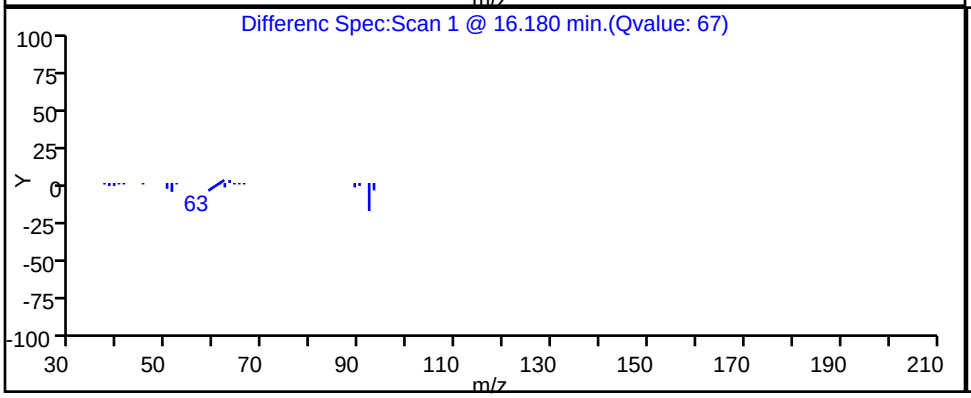


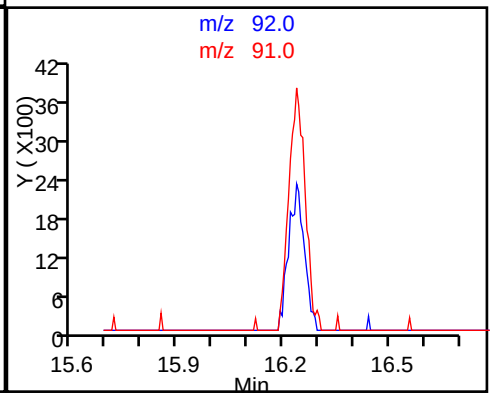












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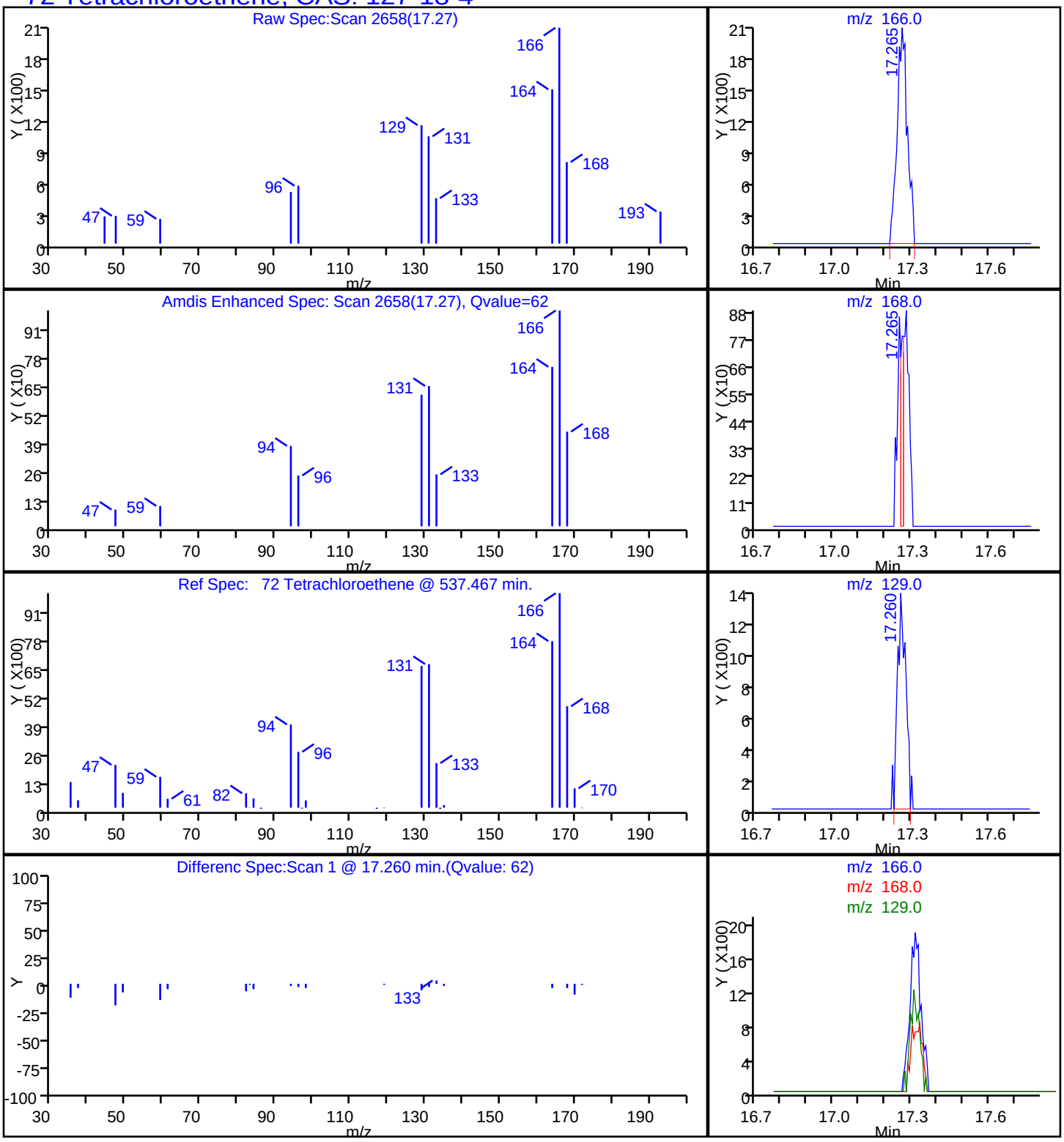
Lims ID:	200-21727-A-2	Lab Sample ID:	200-21727-2		
Client ID:	GCTS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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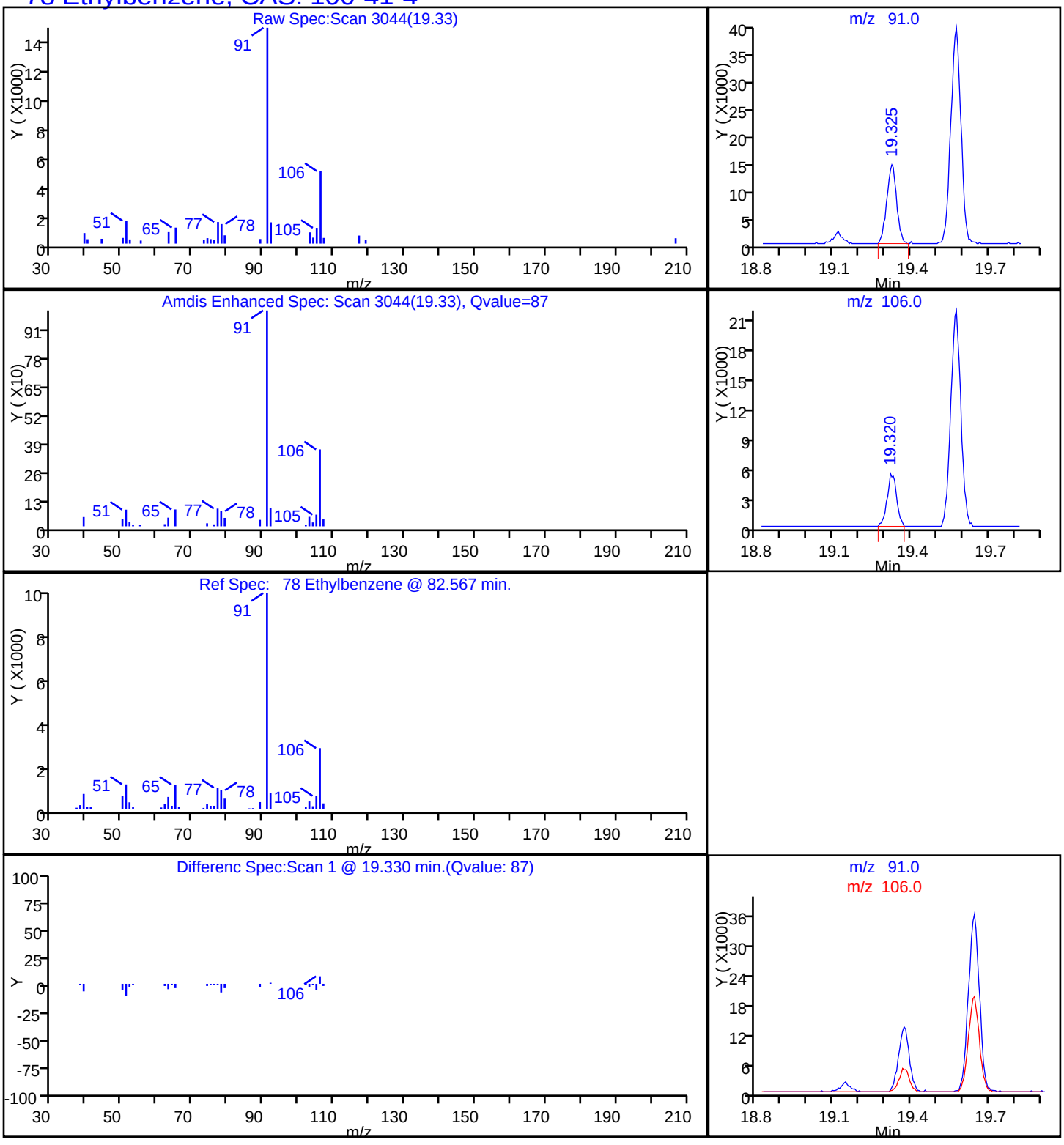
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4



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TestAmerica Burlington

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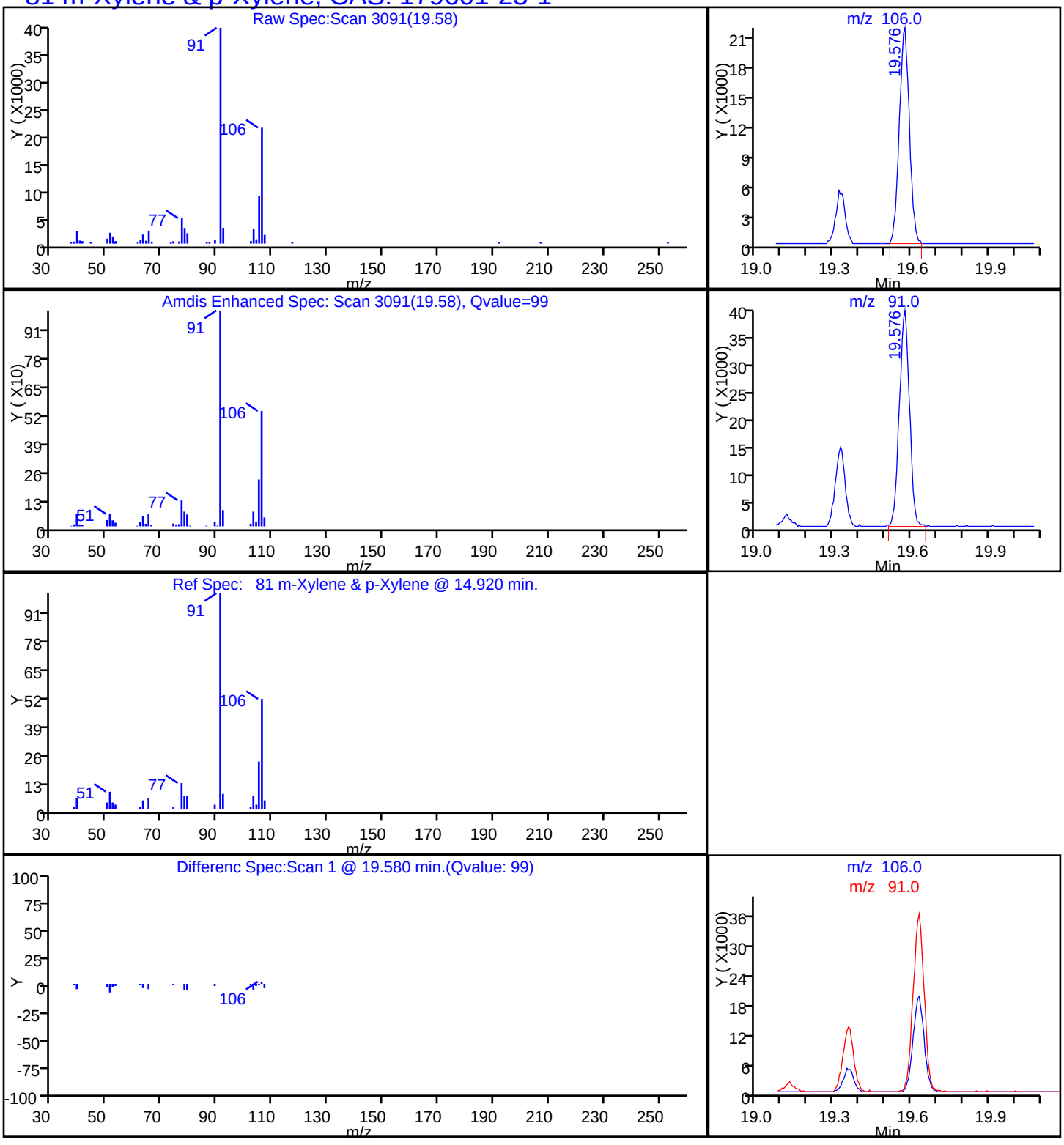
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



Report Date: 11-Apr-2014 10:43:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

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Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_08.D

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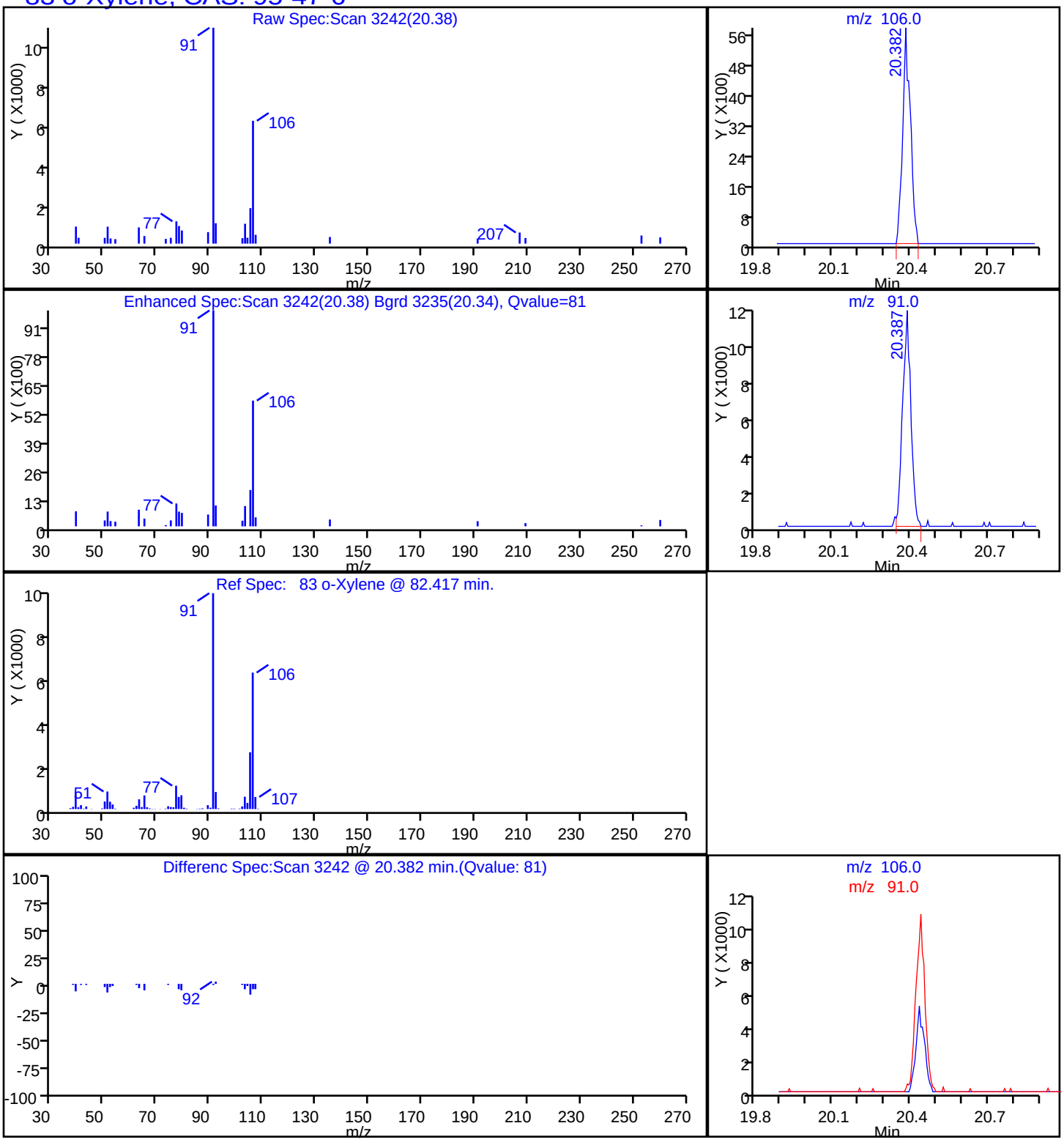
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-21727-3

Matrix: Air Lab File ID: 6977_09.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:30

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 20:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.55		0.50	0.030
75-45-6	Freon 22	86.47	0.40	J	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.61		0.50	0.14
106-97-8	n-Butane	58.12	0.85		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.50		0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.20		0.20	0.030
76-13-1	Freon 113	187.38	0.090	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.0	U	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	0.31	J	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.31	J	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.46		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	5.0		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	5.0		0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-21727-3

Matrix: Air Lab File ID: 6977_09.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:30

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 20:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.16	J	0.50	0.027
108-88-3	Toluene	92.14	0.10	J	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.039	J	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.26		0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.97		0.50	0.023
95-47-6	Xylene, o-	106.17	0.26		0.20	0.016
1330-20-7	Xylene (total)	106.17	1.2		0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.021	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.036	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.077	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-21727-3

Matrix: Air Lab File ID: 6977_09.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:30

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 20:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-21727-3

Matrix: Air Lab File ID: 6977_09.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:30

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 20:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.7		2.5	0.15
75-45-6	Freon 22	86.47	1.4	J	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.3		1.0	0.28
106-97-8	n-Butane	58.12	2.0		1.2	0.67
75-01-4	Vinyl chloride	62.50	1.3		0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.1		1.1	0.17
76-13-1	Freon 113	187.38	0.69	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12	U	12	3.0
67-63-0	Isopropyl alcohol	60.10	0.77	J	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.1	J	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	1.9		0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	20		0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	20		0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-21727-3

Matrix: Air Lab File ID: 6977_09.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:30

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 20:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.65	J	2.0	0.11
108-88-3	Toluene	92.14	0.38	J	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	0.26	J	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	1.1		0.87	0.056
179601-23-1	m,p-Xylene	106.17	4.2		2.2	0.10
95-47-6	Xylene, o-	106.17	1.1		0.87	0.069
1330-20-7	Xylene (total)	106.17	5.3		0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.10	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.18	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.38	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-21727-3

Matrix: Air Lab File ID: 6977_09.D

Analysis Method: TO-15 Date Collected: 04/04/2014 09:30

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 20:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D
Lims ID: 200-21727-A-3 Lab Sample ID: 200-21727-3
Client ID: GCTS MID CARBON
Sample Type: Client
Inject. Date: 10-Apr-2014 20:20:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006977-009
Misc. Info.: 21727-3
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 10:45:54 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 10:45:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.250	3.256	-0.006	98	70274	0.5517	
6 Chlorodifluoromethane	51	3.314	3.315	-0.001	89	17331	0.4048	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50	3.693	3.699	-0.006	96	12851	0.6101	
9 Butane	43	3.912	3.912	0.000	94	28471	0.8462	
10 Vinyl chloride	62	3.960	3.966	-0.006	89	16043	0.5012	
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.049					
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101	5.561	5.567	-0.006	88	31671	0.2007	
23 1,1,2-Trichloro-1,2,2-trif	101	6.709	6.714	-0.005	71	8608	0.0904	
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43	7.050	7.034	0.016	79	31768	0.8652	
26 Carbon disulfide	76		7.141					
27 Isopropyl alcohol	45	7.376	7.355	0.021	84	8465	0.3141	
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.888	7.894	-0.006	61	8220	0.3099	
32 2-Methyl-2-propanol	59		8.155					
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61		8.342					
36 Hexane	57		8.732					
37 1,1-Dichloroethane	63	9.254	9.260	-0.006	79	29134	0.4620	
S 41 1,2-Dichloroethene, Total	61				0		5.02	
39 cis-1,2-Dichloroethene	96	10.418	10.418	0.000	91	280853	5.02	
40 2-Butanone (MEK)	72		10.498					
* 43 Chlorobromomethane	128	10.904	10.909	-0.005	66	494462	10.0	
44 Tetrahydrofuran	42		10.925					
45 Chloroform	83		11.048					
46 Cyclohexane	84		11.283					
47 1,1,1-Trichloroethane	97		11.325					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		11.581					
51 Isooctane	57		12.035					
50 Benzene	78		12.083					
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43		12.451					
* 54 1,4-Difluorobenzene	114	12.974	12.980	-0.006	91	2585309	10.0	
56 Trichloroethene	95		13.460					
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69		14.234					
60 1,4-Dioxane	88		14.303					
62 Dichlorobromomethane	83		14.629					
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43	15.910	15.894	0.016	82	13587	0.1583	
66 Toluene	92	16.182	16.182	0.000	81	14402	0.0997	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166	17.265	17.265	0.000	76	7200	0.0387	
73 2-Hexanone	43		17.639					
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.112	19.117	-0.005	82	2534117	10.0	
77 Chlorobenzene	112		19.181					
78 Ethylbenzene	91	19.320	19.325	-0.005	97	88804	0.2606	
81 m-Xylene & p-Xylene	106	19.576	19.576	0.000	99	142975	0.9725	
S 82 Xylenes, Total	106				0		1.23	
83 o-Xylene	106	20.382	20.387	-0.005	88	37292	0.2595	
84 Styrene	104		20.435					
85 Bromoform	173		20.836					
$ 87 4-Bromofluorobenzene	95	21.375	21.375	0.000	95	1715765	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91		21.706					
91 4-Ethyltoluene	105	21.882	21.882	0.000	66	9059	0.0211	
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105	21.988	21.983	0.005	74	13671	0.0360	
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105	22.549	22.549	0.000	84	29859	0.0772	
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119		22.965					
100 1,3-Dichlorobenzene	146		23.008					
101 1,4-Dichlorobenzene	146		23.141					
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
105 1,2-Dichlorobenzene	146		23.696					
107 1,2,4-Trichlorobenzene	180		26.322					
108 Hexachlorobutadiene	225		26.509					
109 Naphthalene	128		26.850					

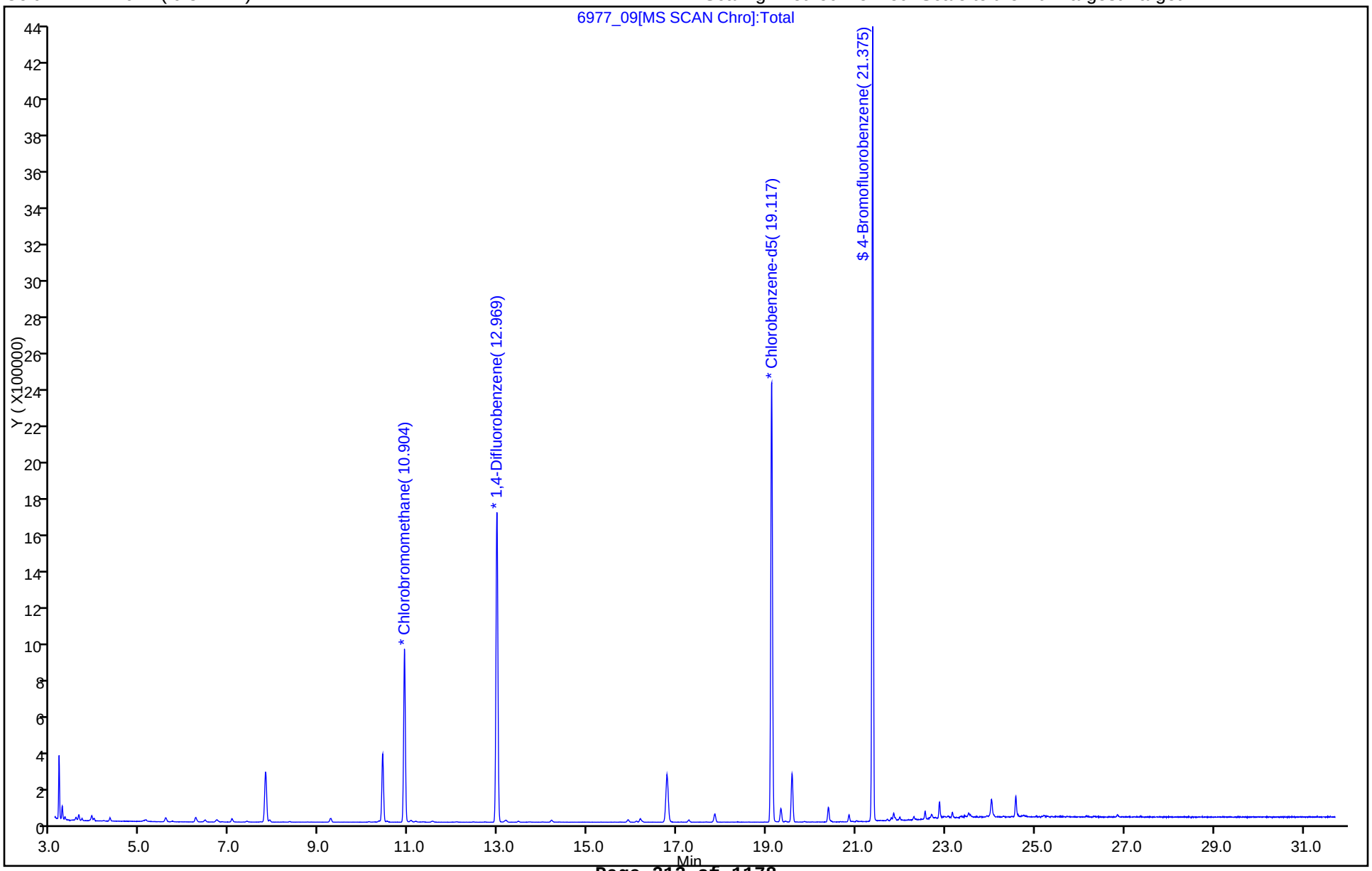
Report Date: 11-Apr-2014 10:45:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D

Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3	Worklist Smp#:	9
Client ID:	GCTS MID CARBON				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



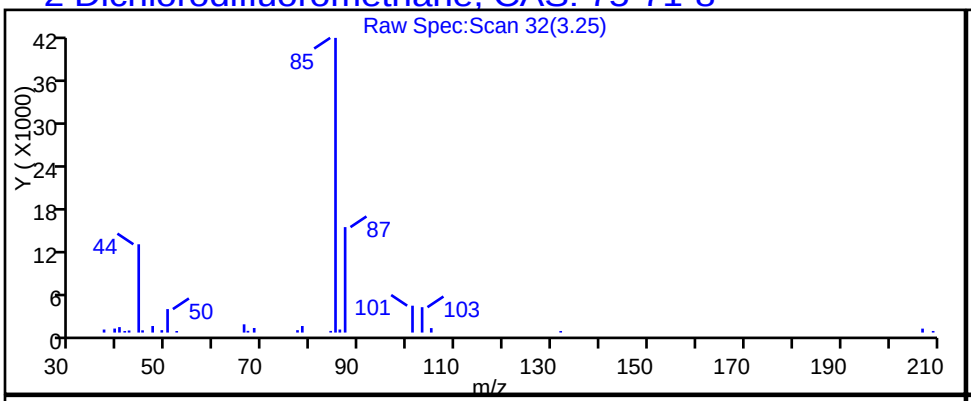
Report Date: 11-Apr-2014 10:45:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

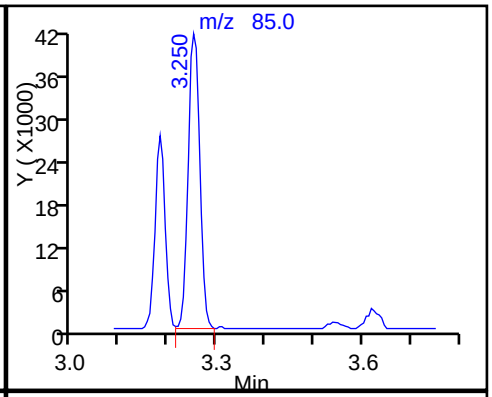
TestAmerica Burlington

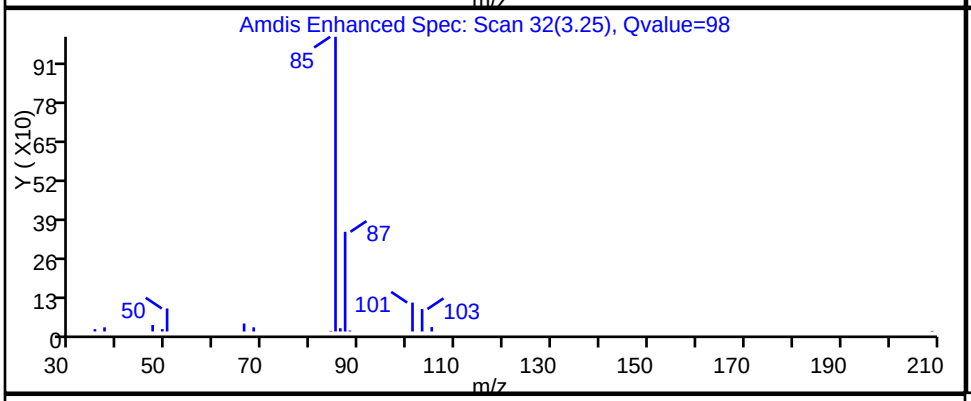
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D

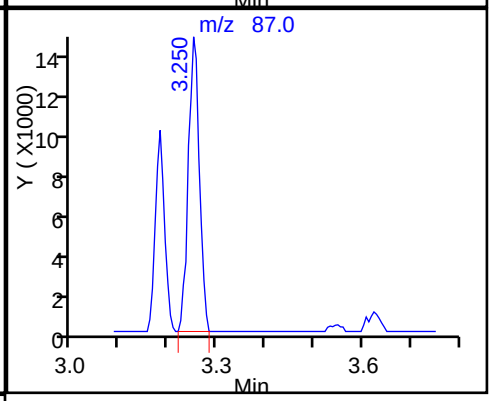
Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

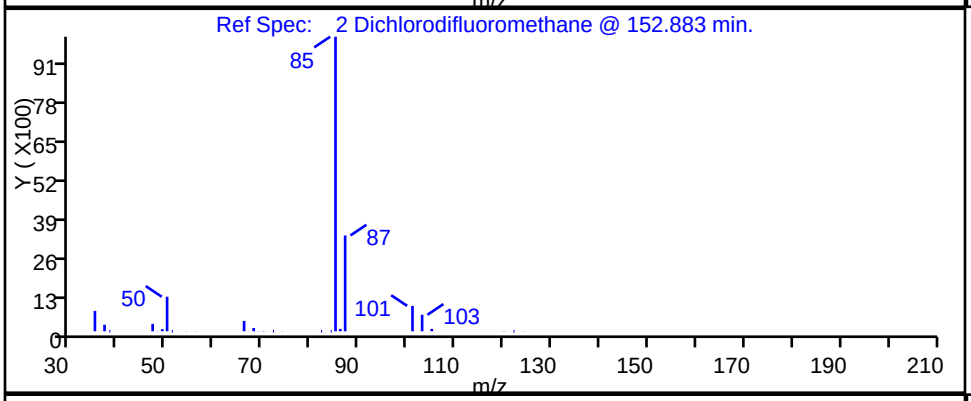
2 Dichlorodifluoromethane, CAS: 75-71-8

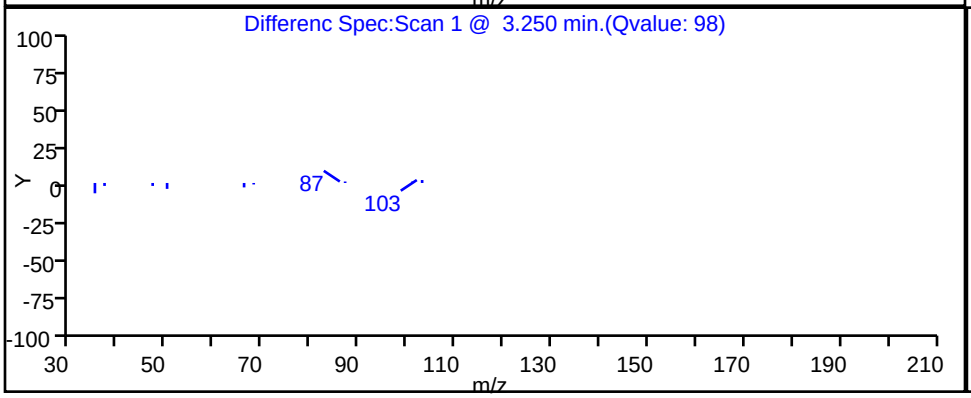


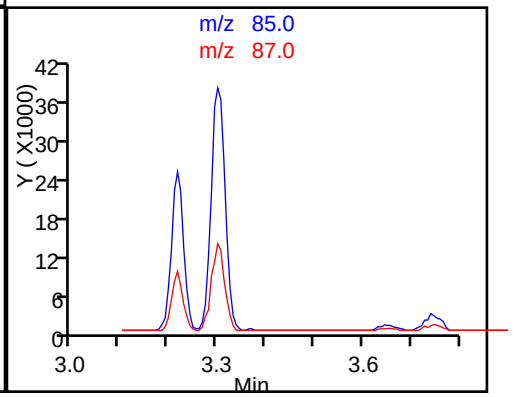












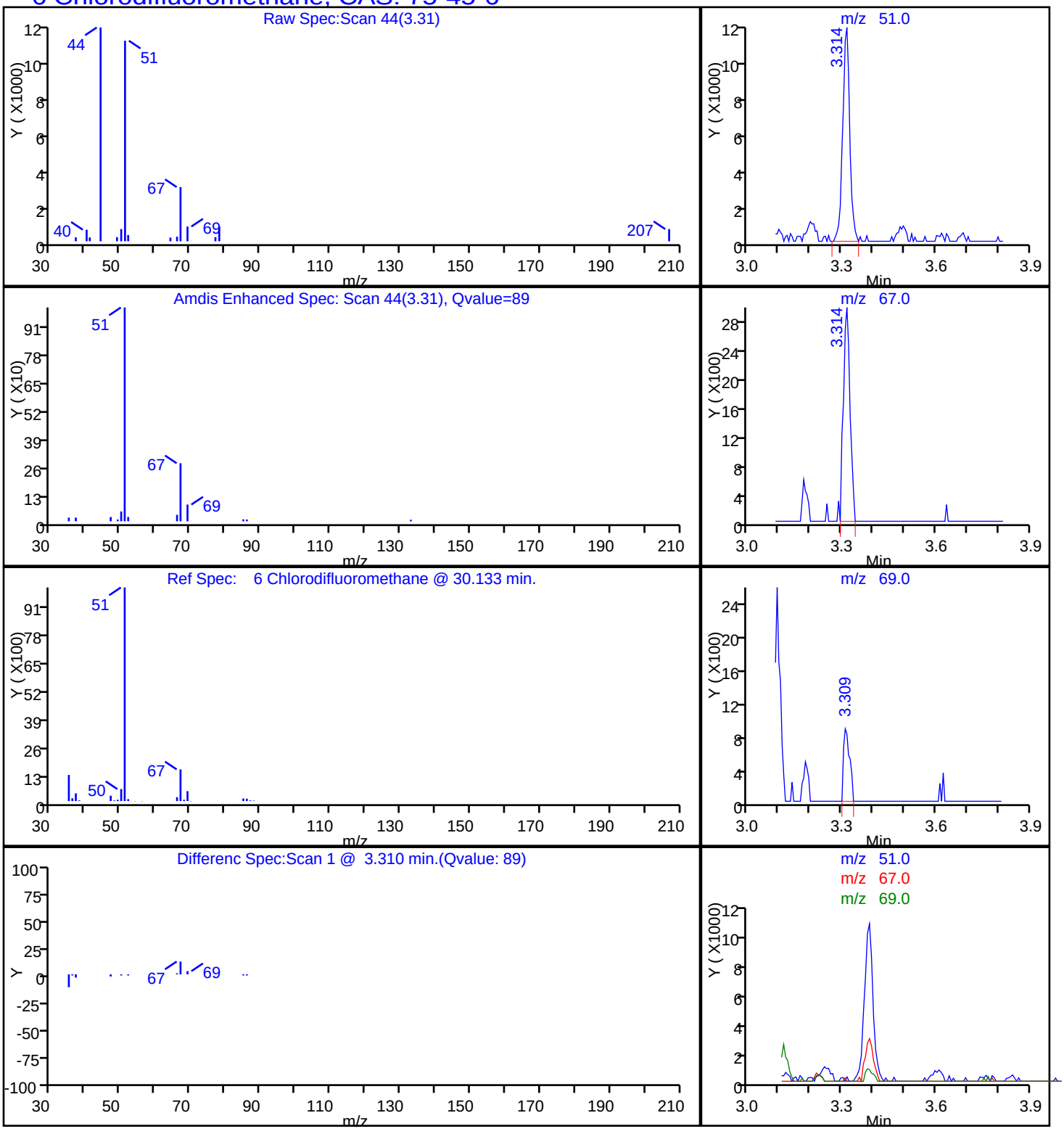
Report Date: 11-Apr-2014 10:45:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D

Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



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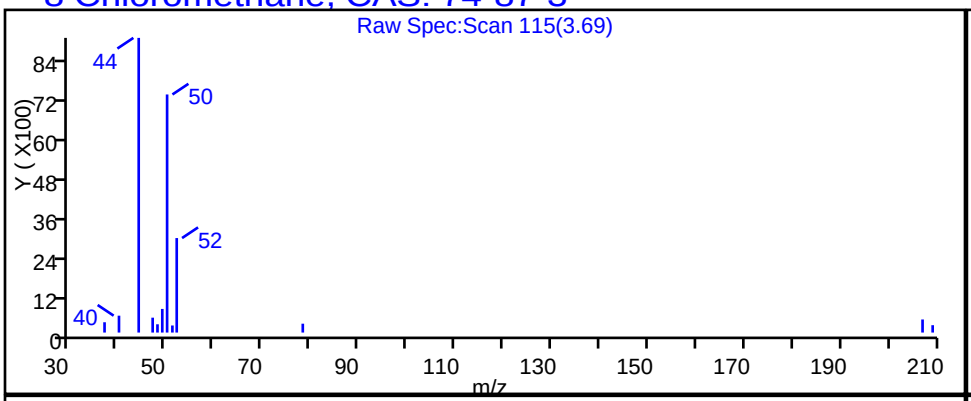
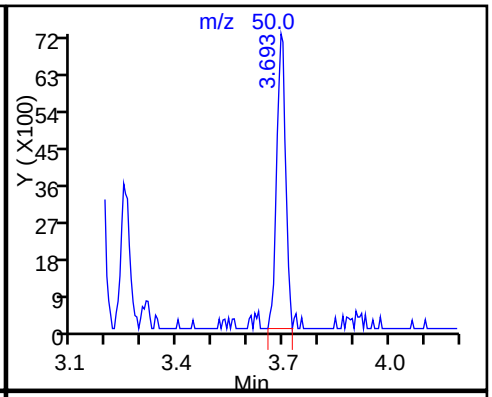
TestAmerica Burlington

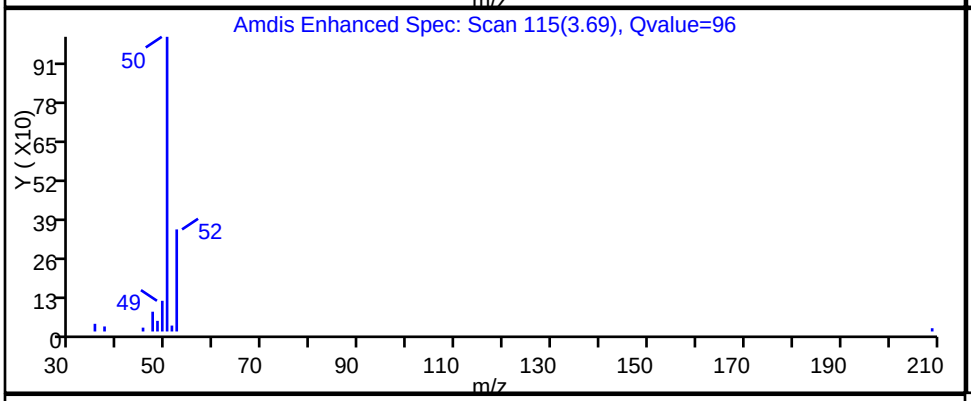
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D

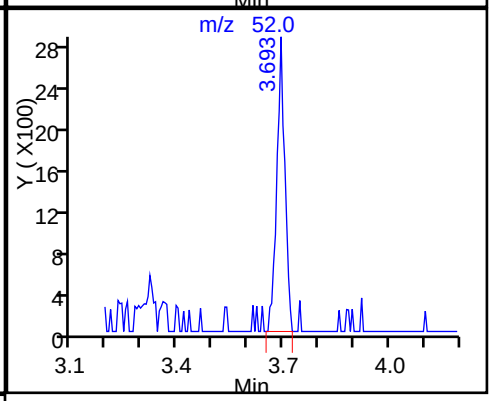
Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

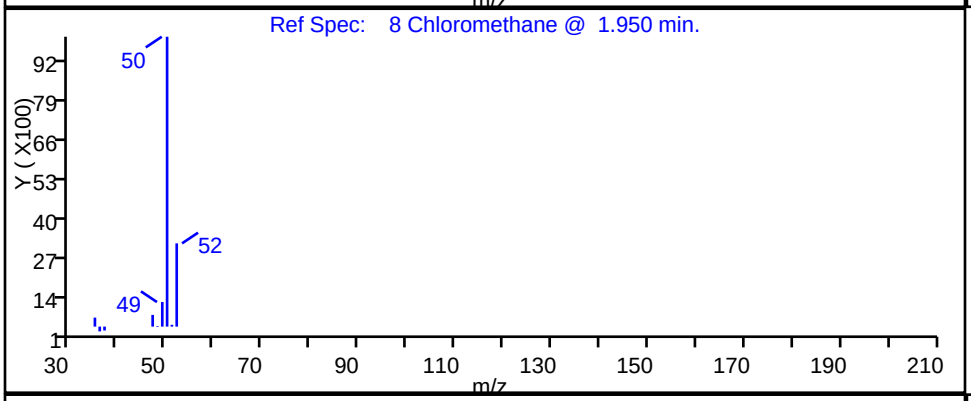
8 Chloromethane, CAS: 74-87-3

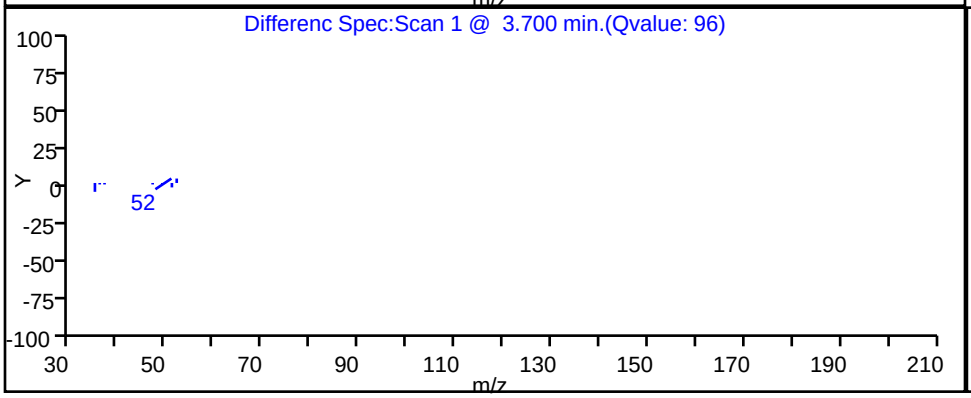


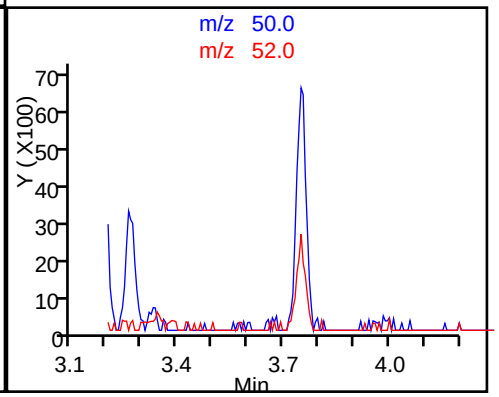












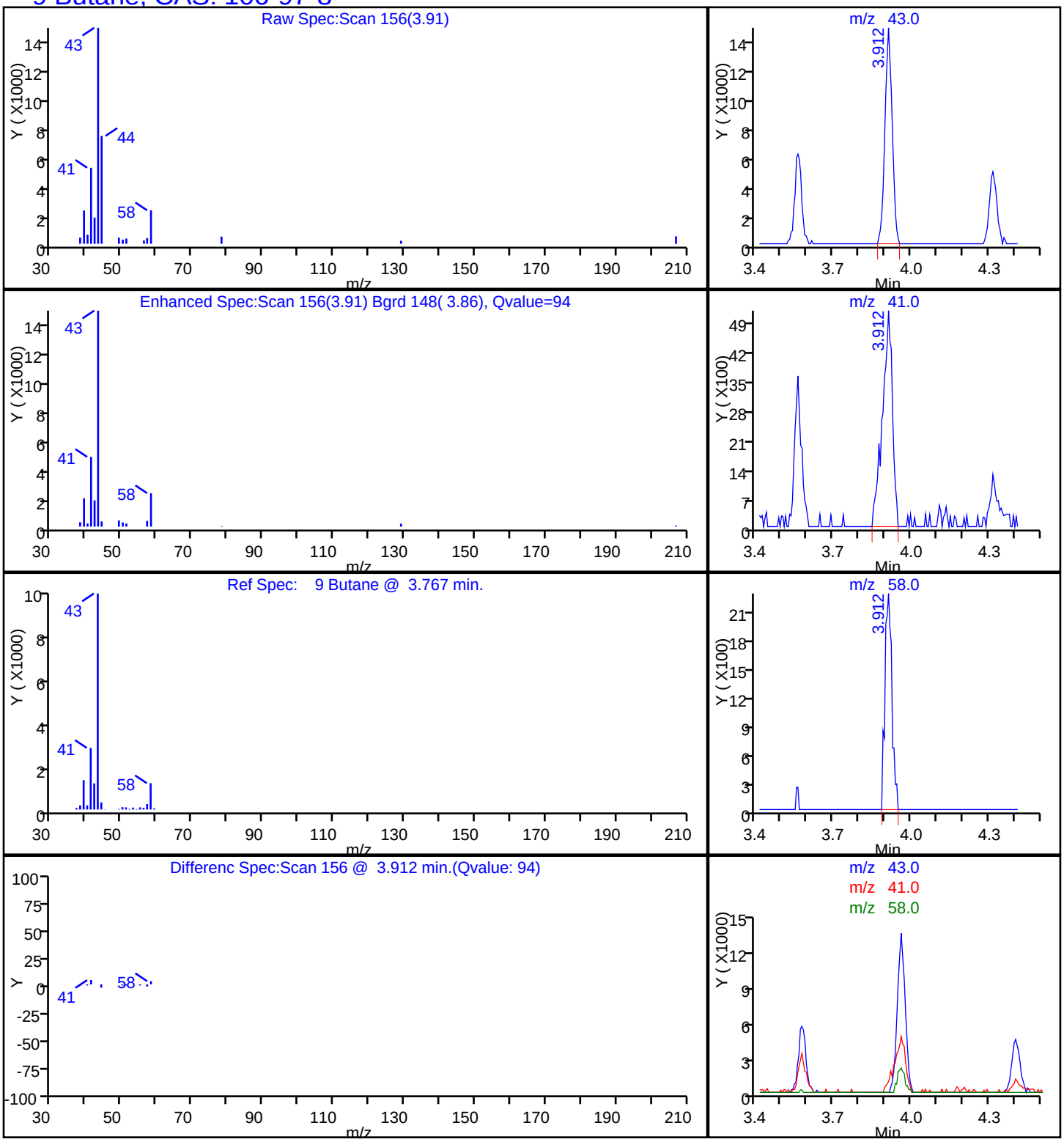
Report Date: 11-Apr-2014 10:45:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D

Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



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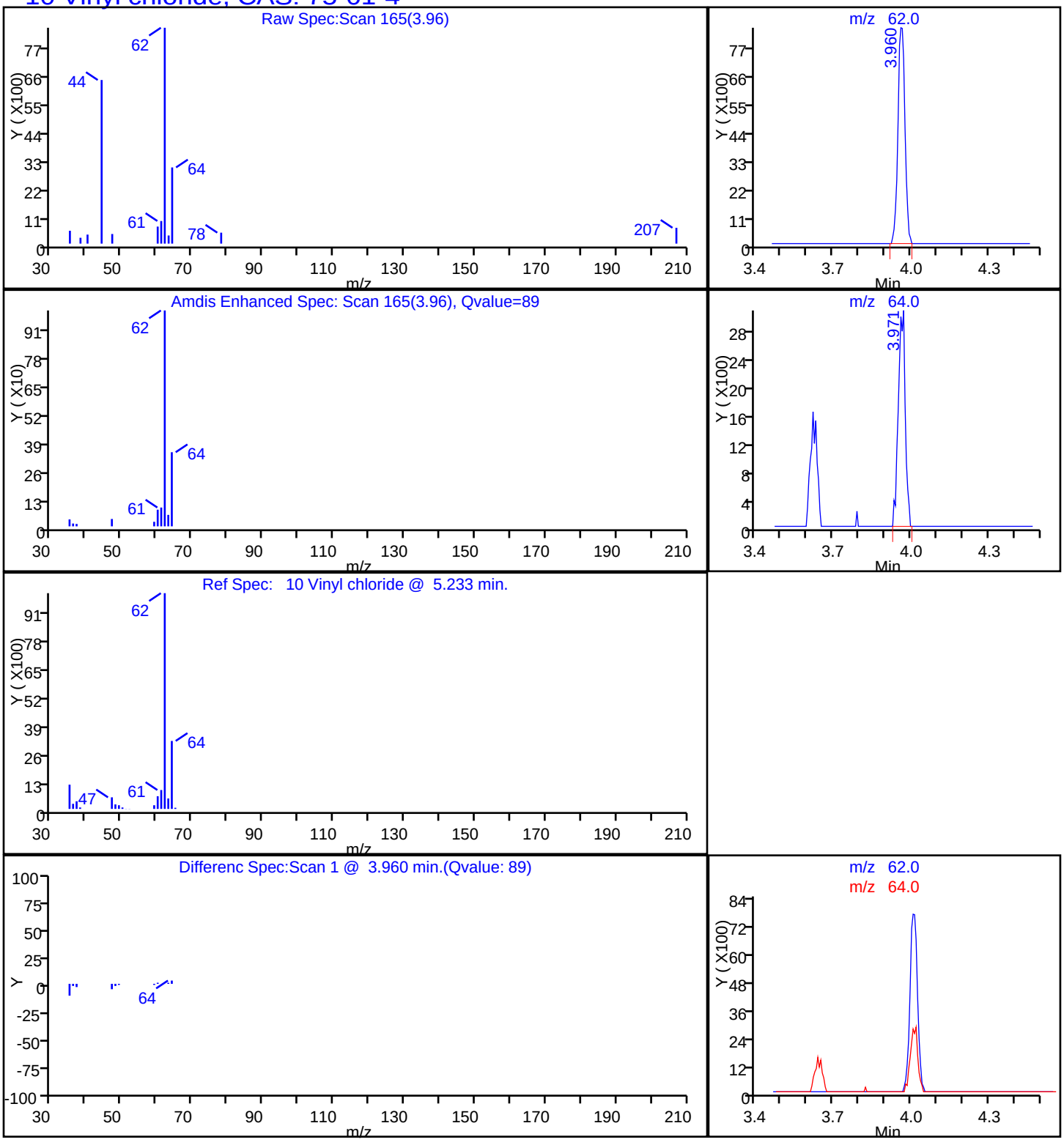
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D

Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

10 Vinyl chloride, CAS: 75-01-4



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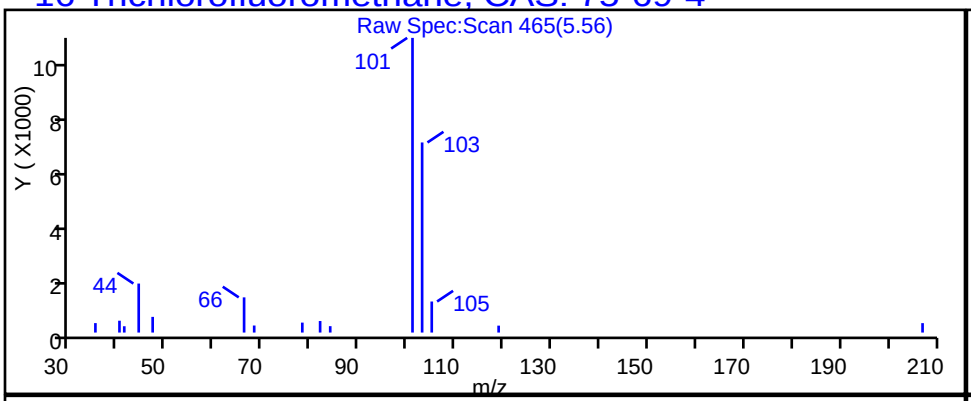
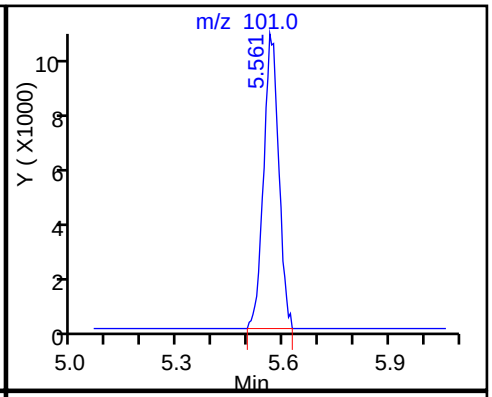
TestAmerica Burlington

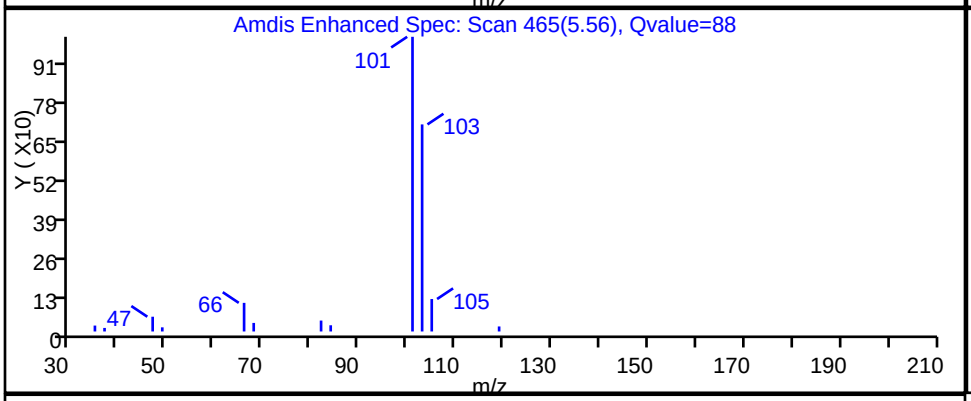
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D

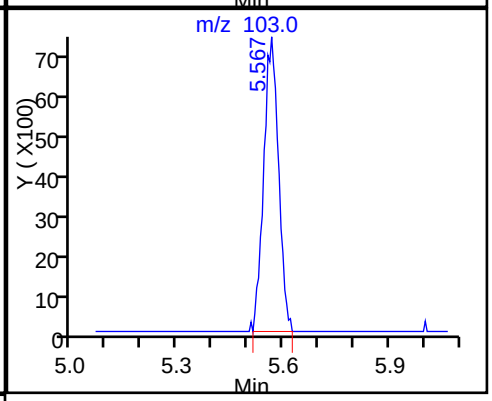
Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

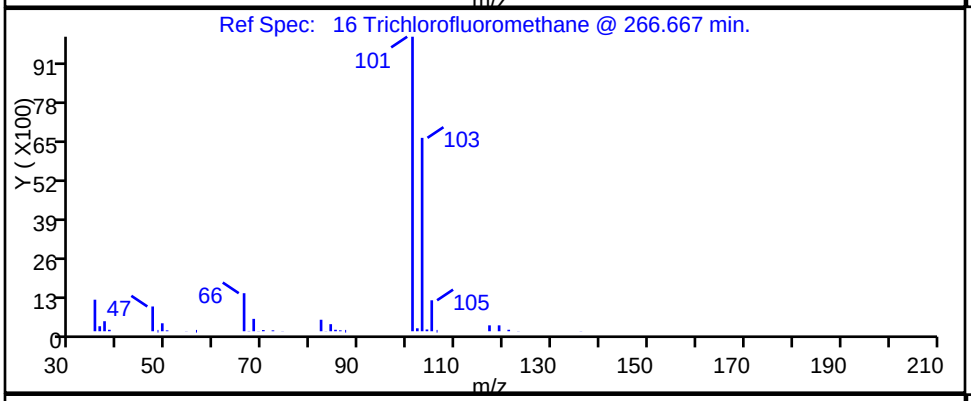
16 Trichlorofluoromethane, CAS: 75-69-4

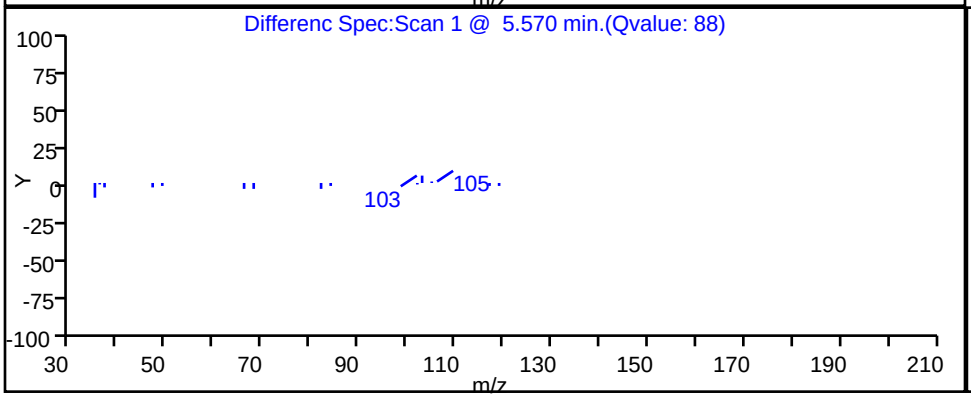


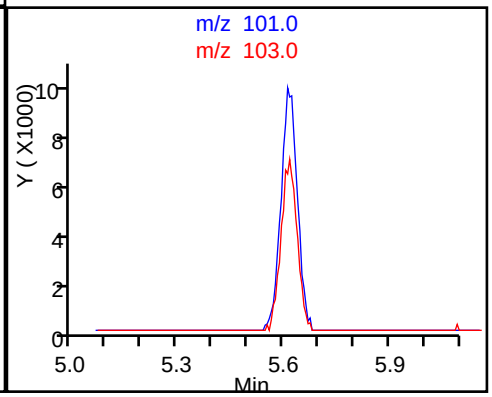












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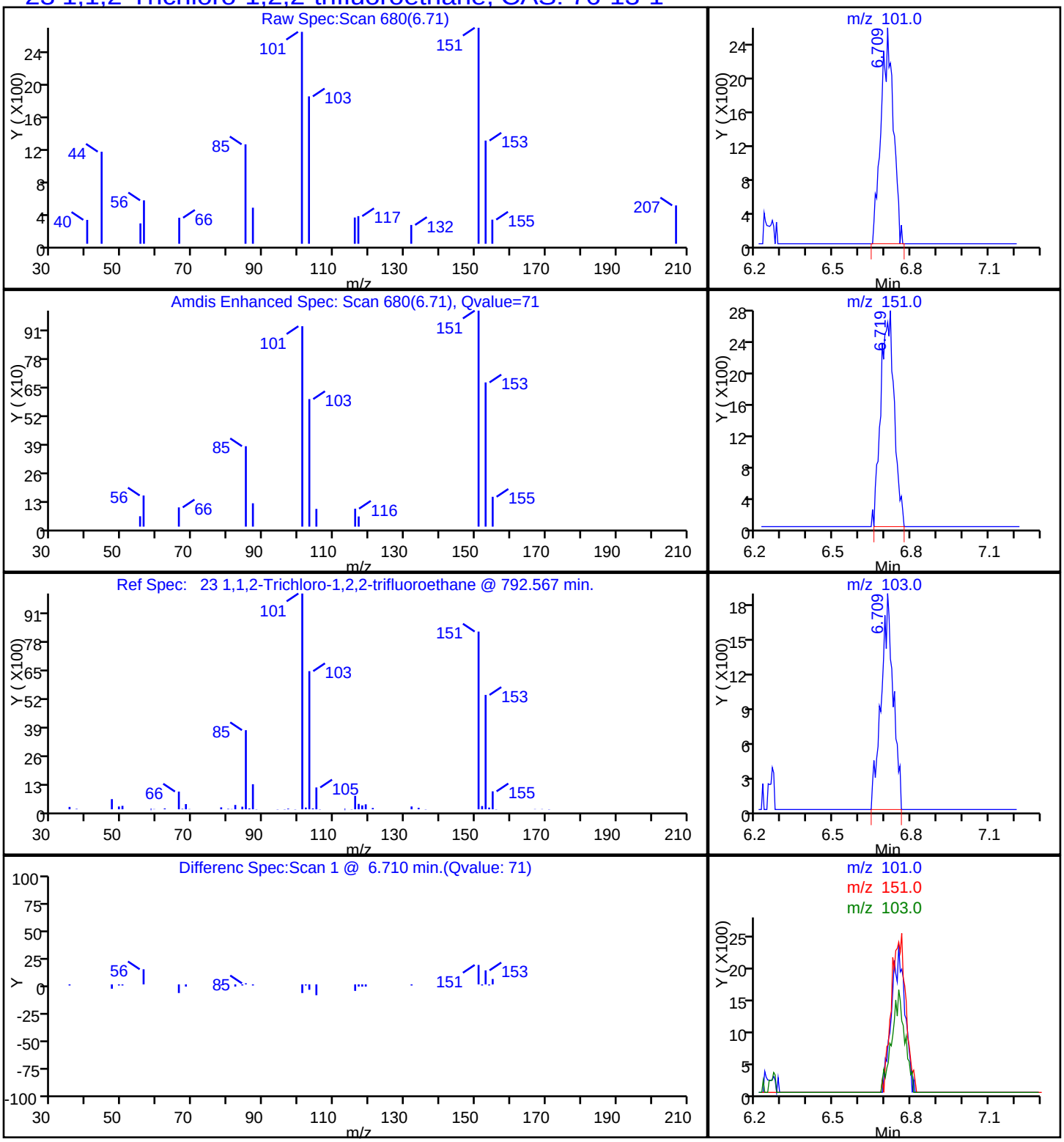
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D

Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



Report Date: 11-Apr-2014 10:45:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

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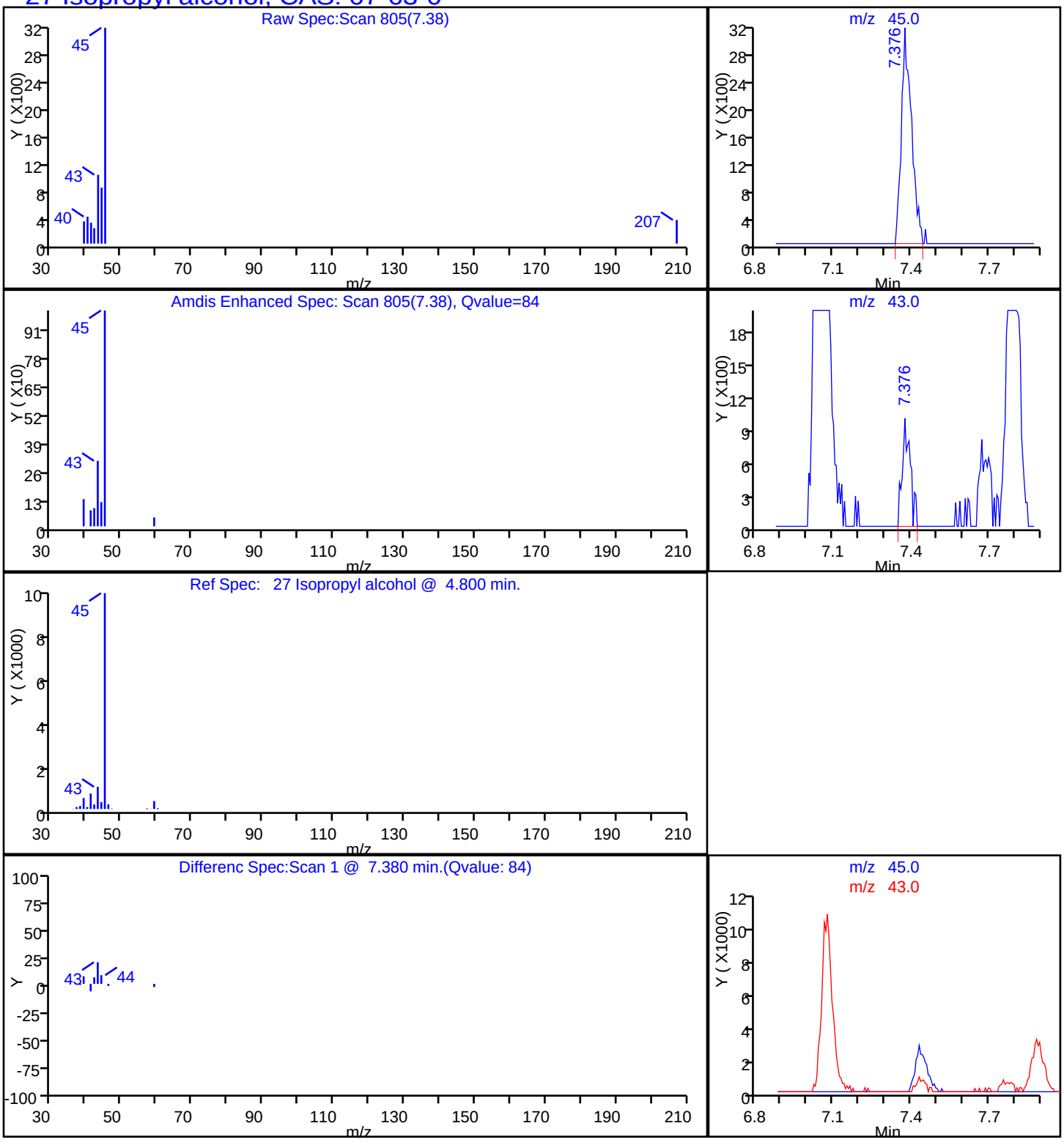
Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



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TestAmerica Burlington

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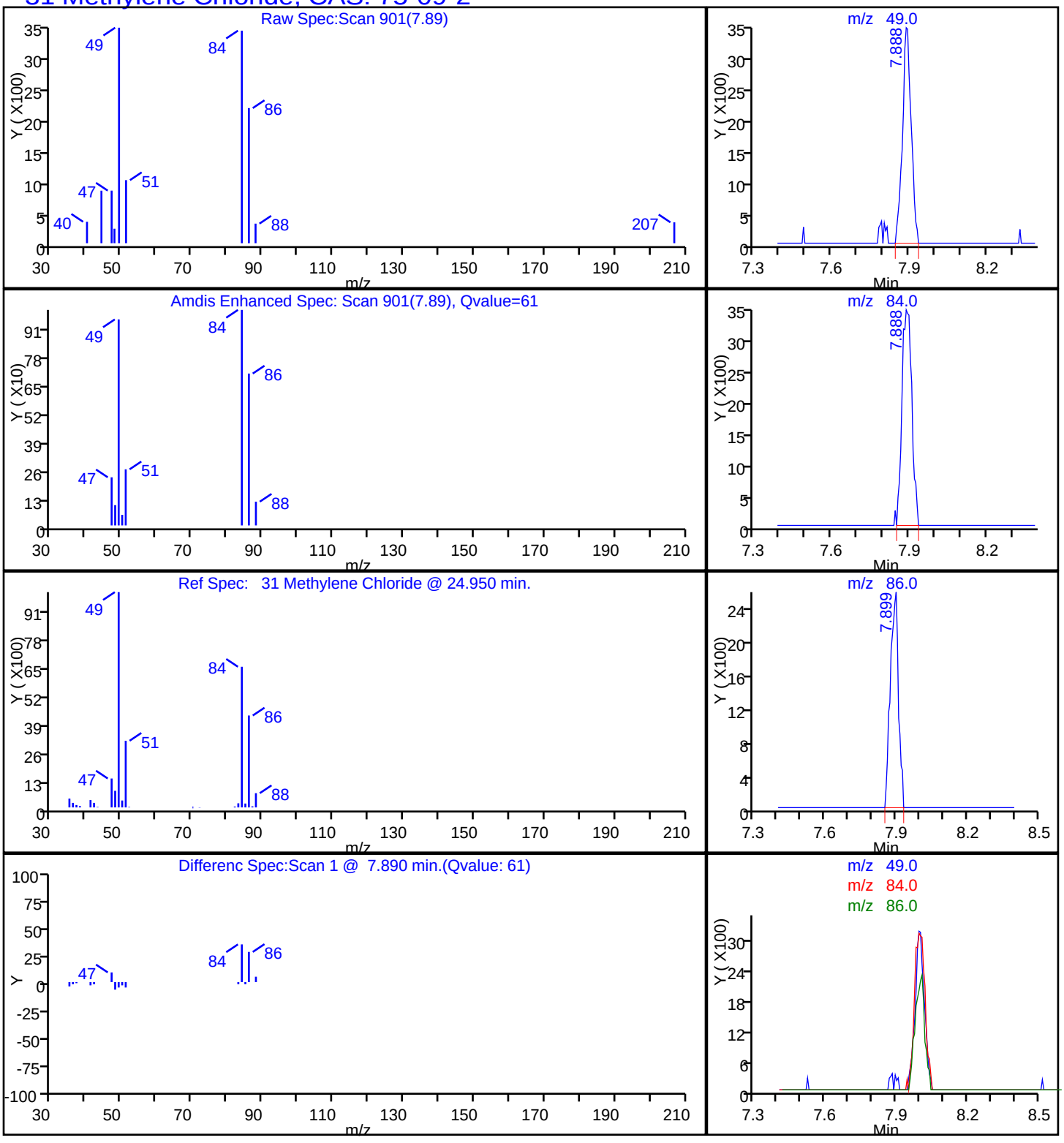
Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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TestAmerica Burlington

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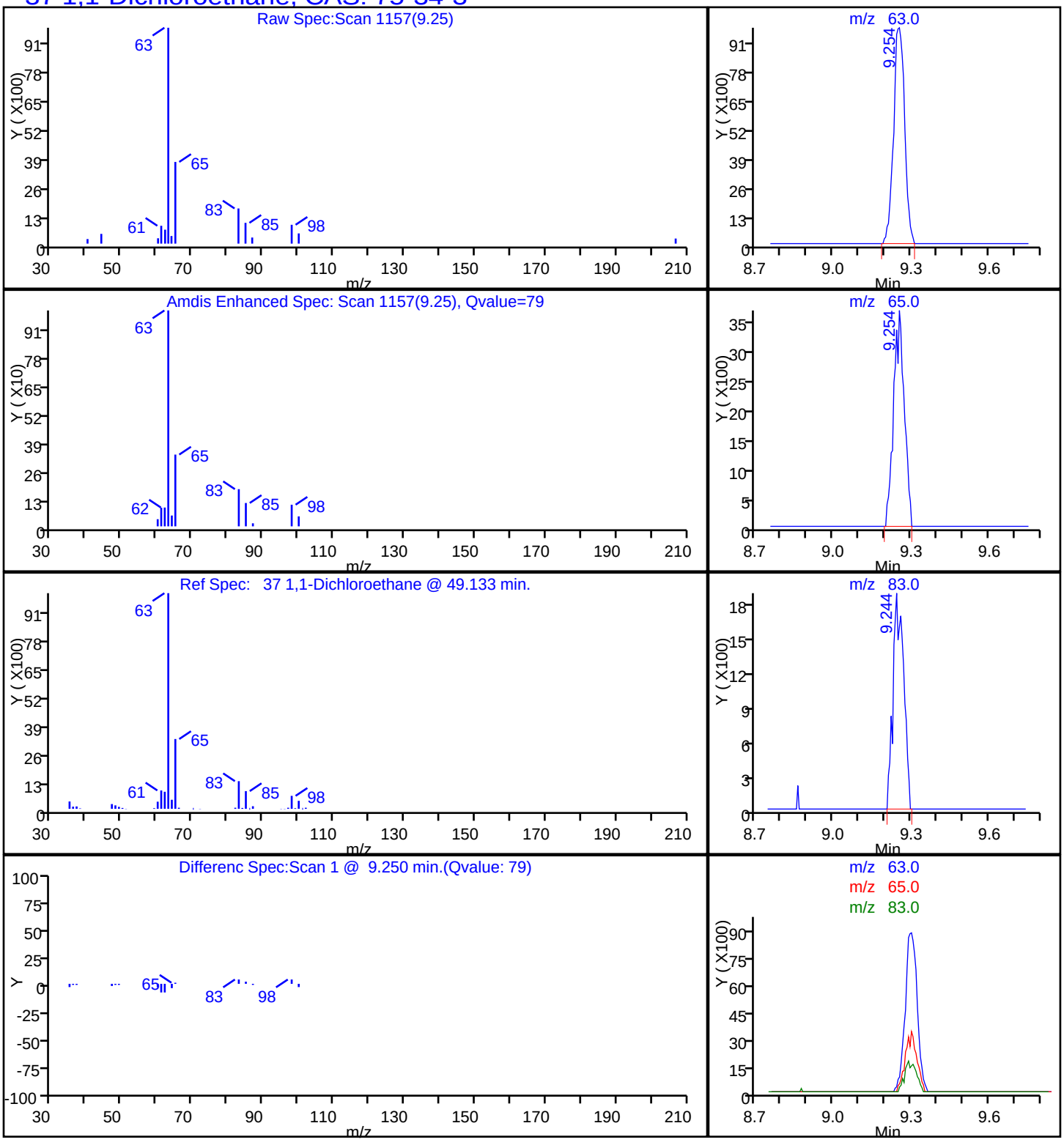
Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



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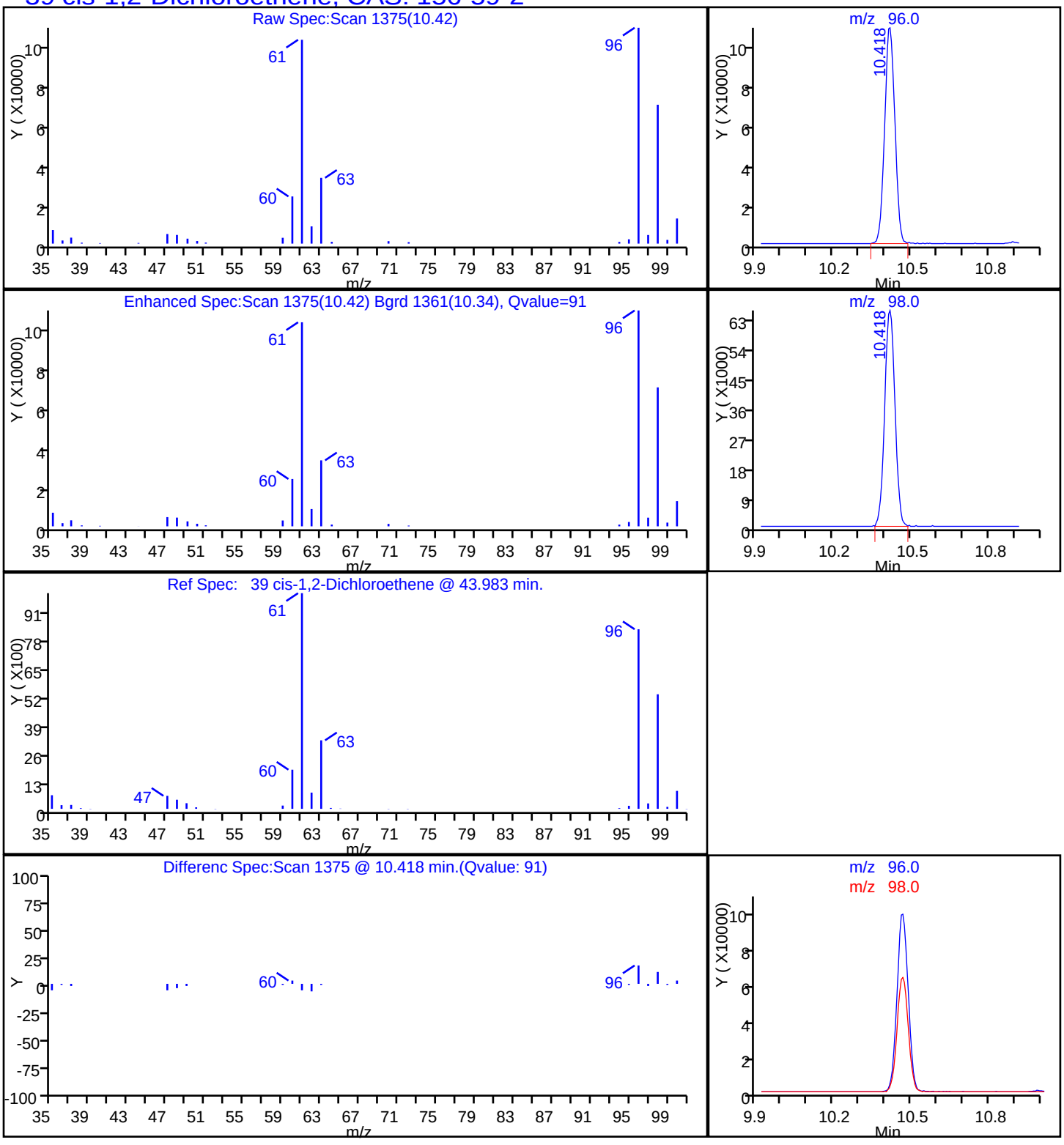
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D

Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2



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TestAmerica Burlington

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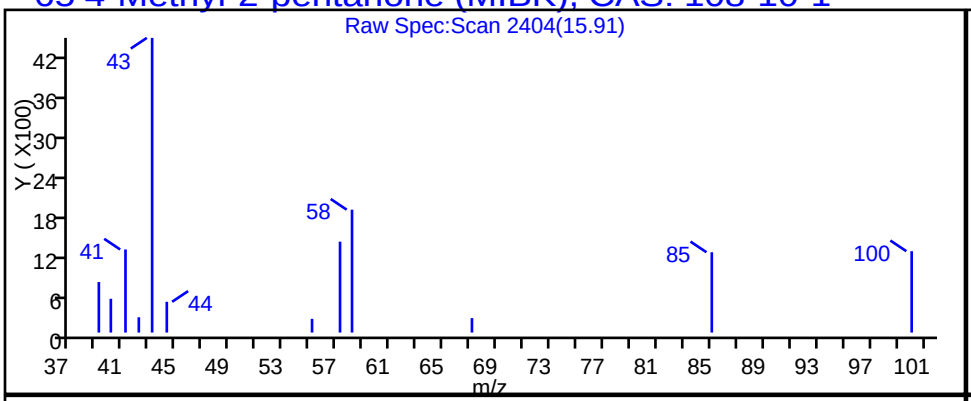
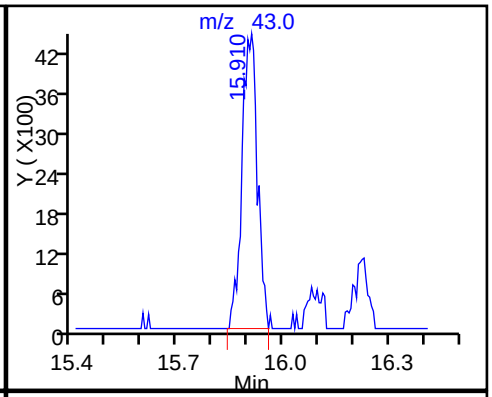
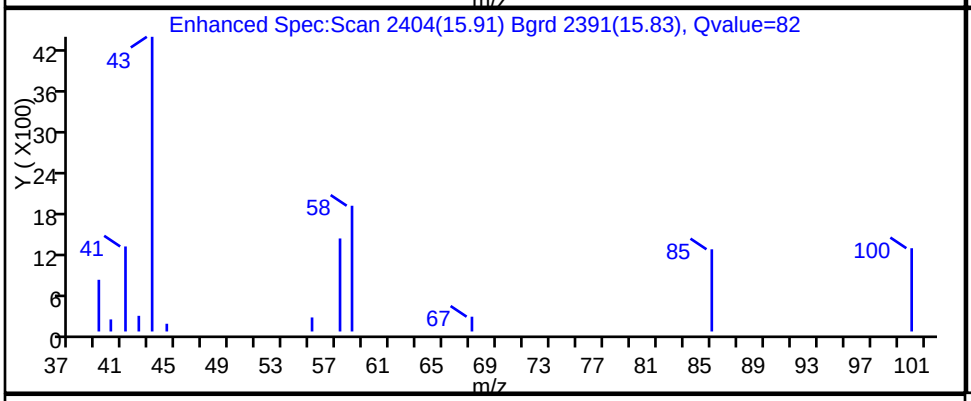
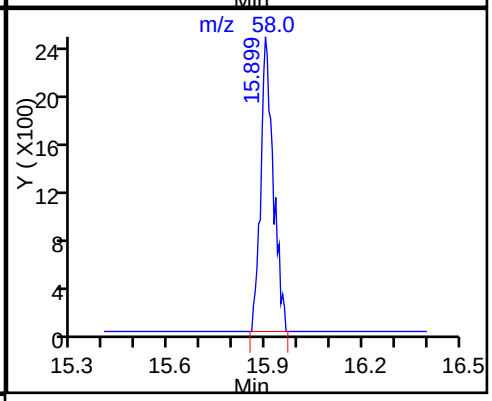
Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

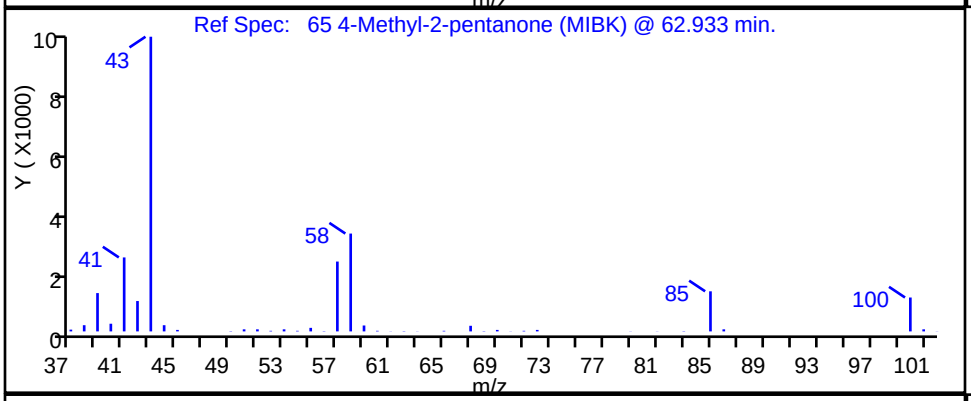
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

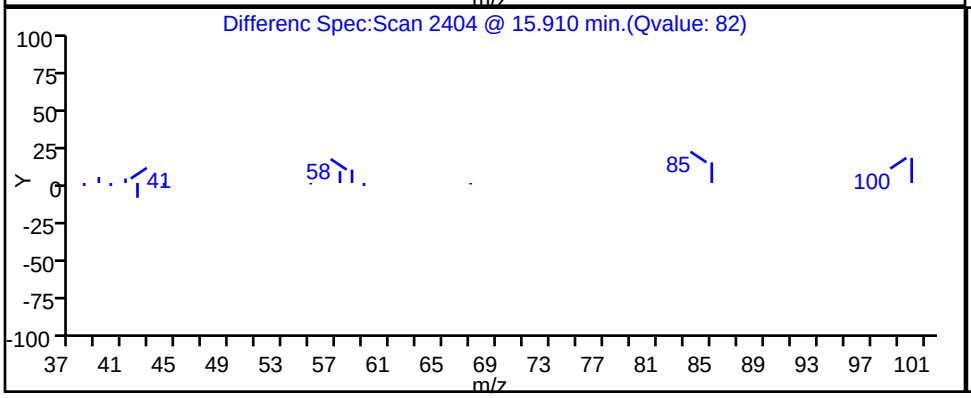


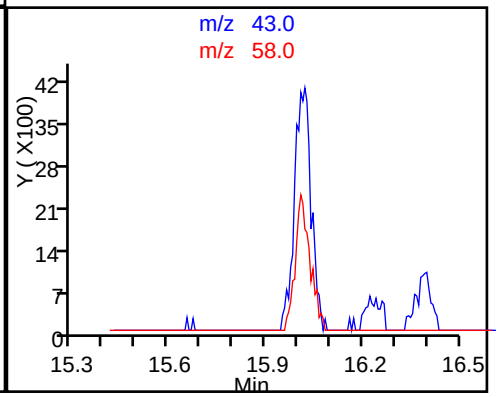












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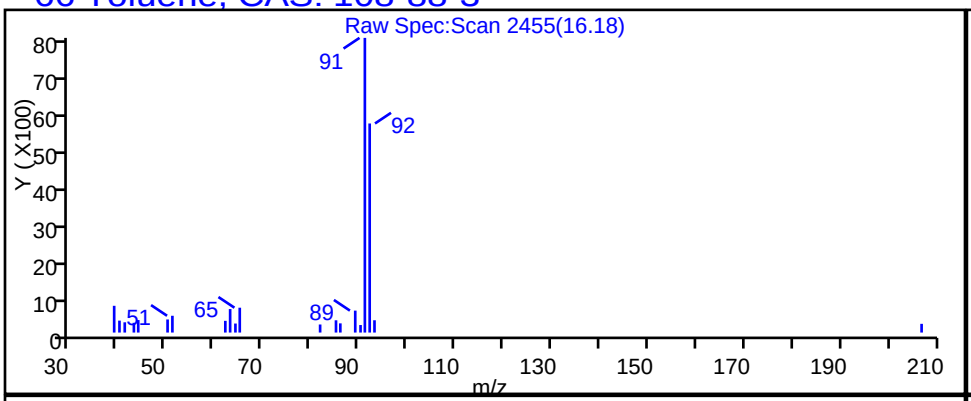
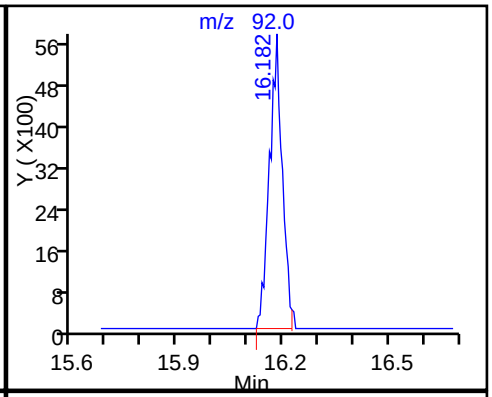
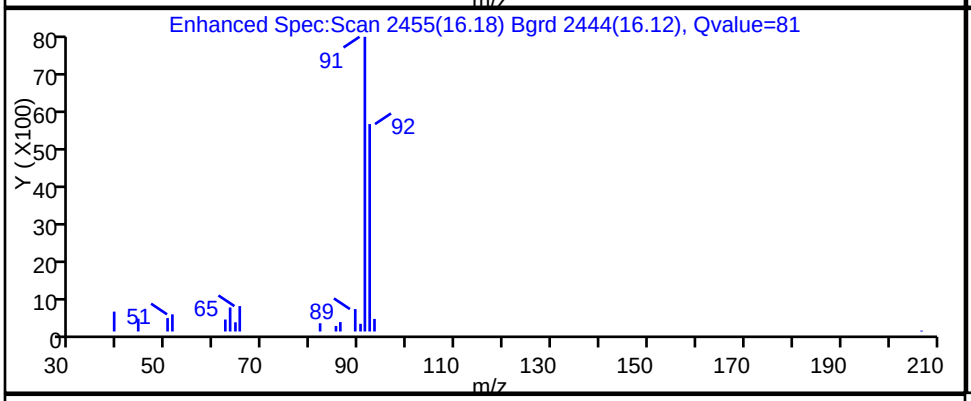
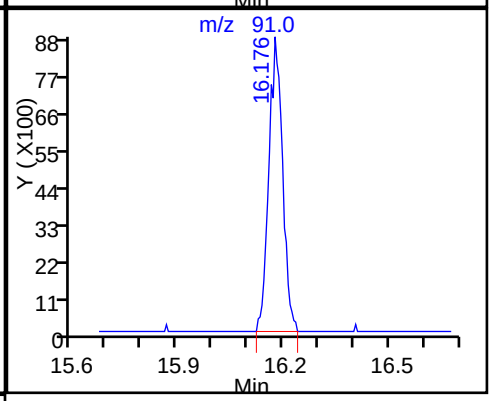
Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

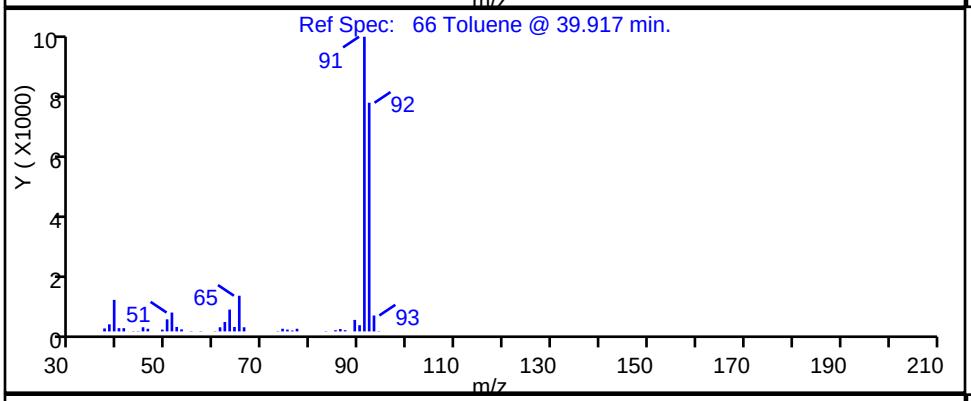
66 Toluene, CAS: 108-88-3

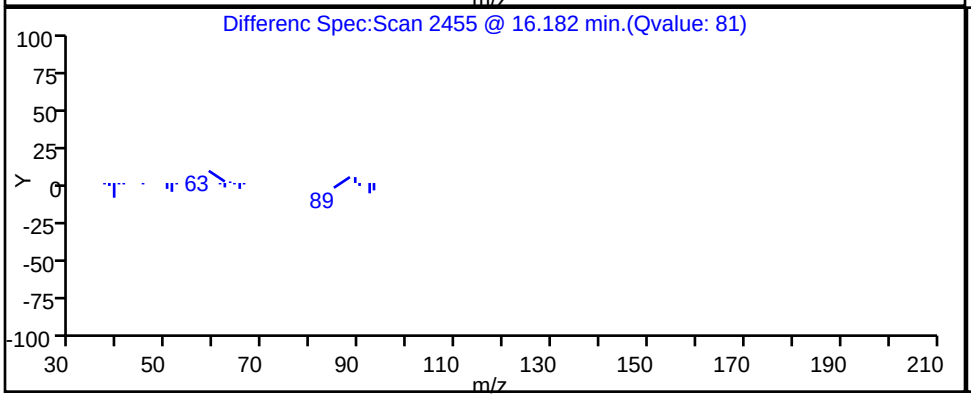


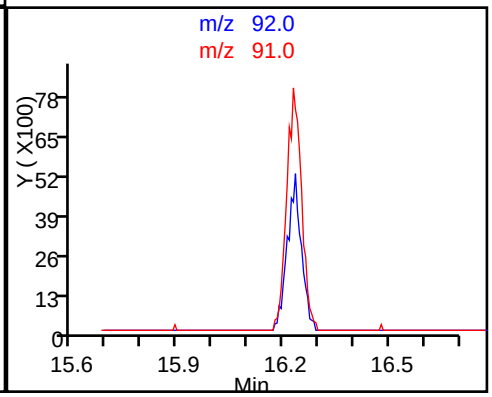












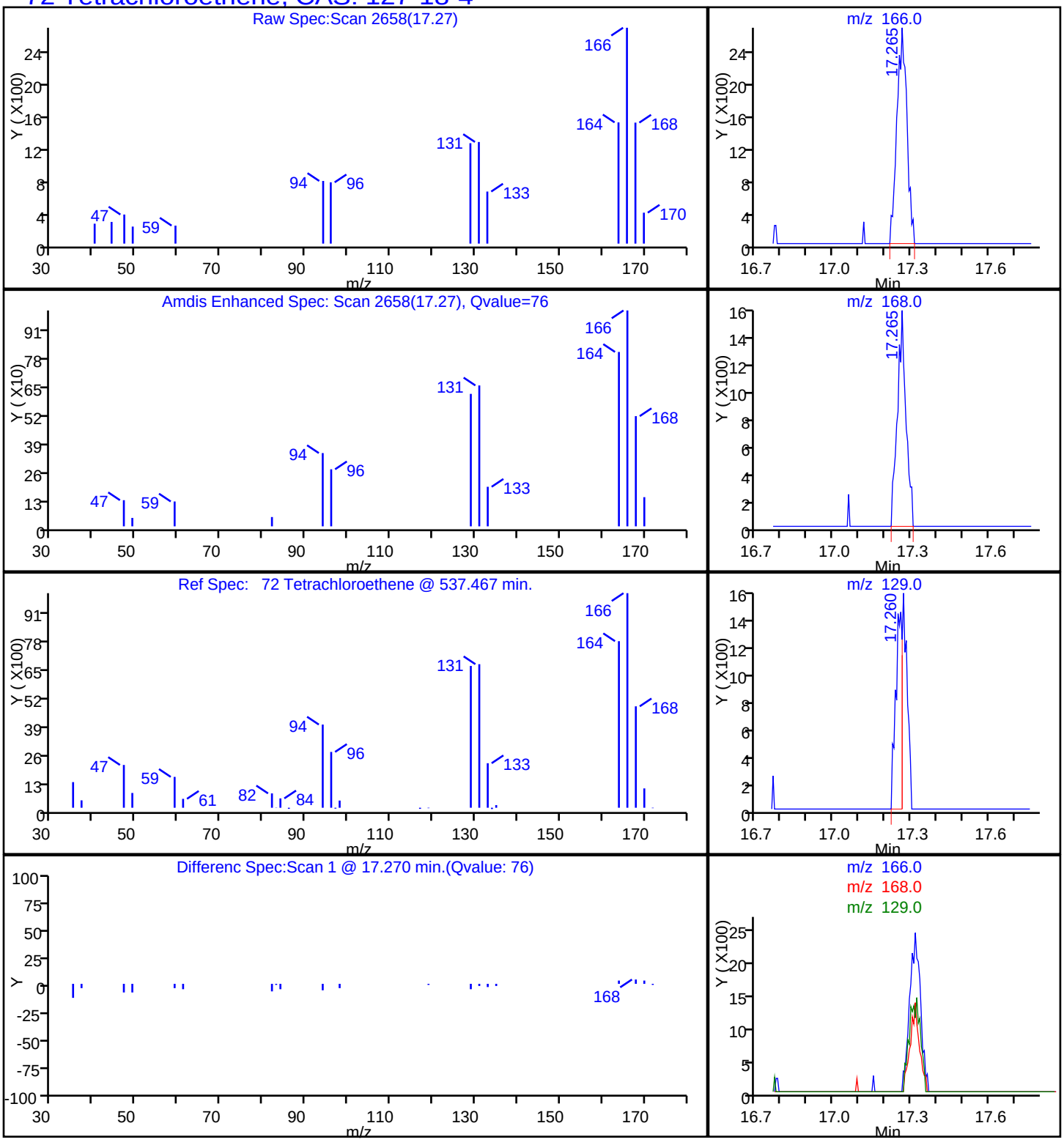
Report Date: 11-Apr-2014 10:45:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D

Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



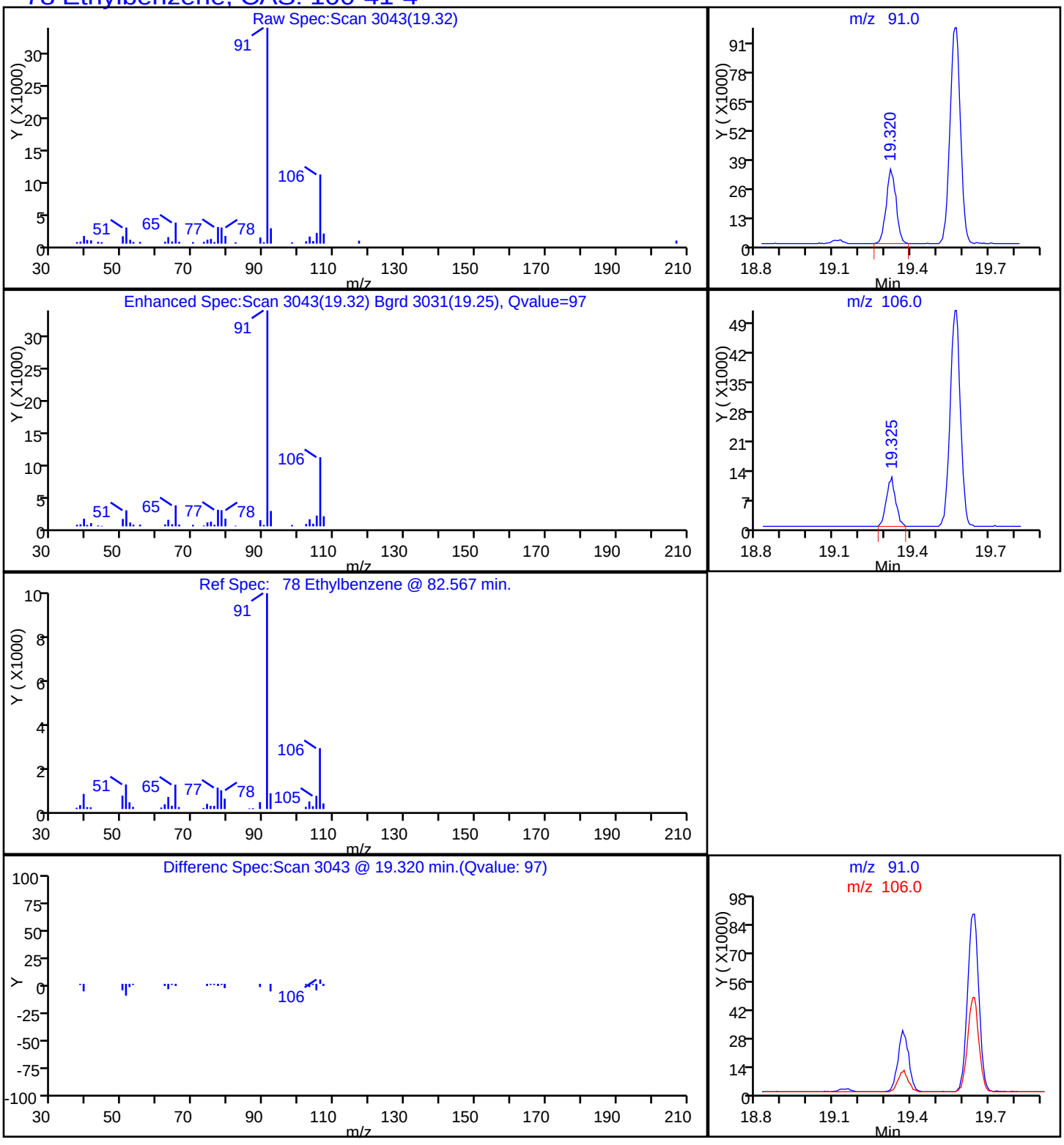
Report Date: 11-Apr-2014 10:45:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D

Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4



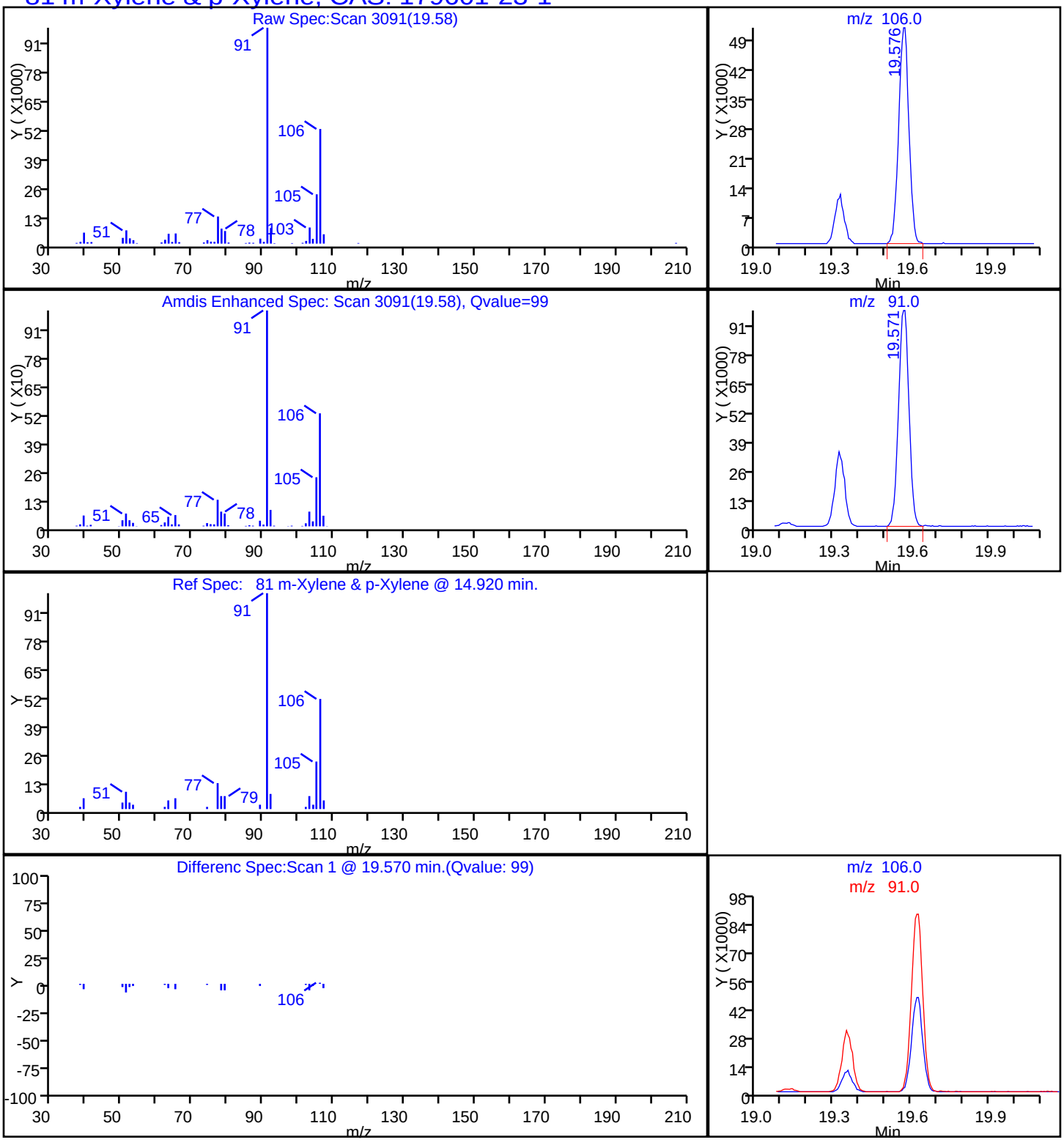
Report Date: 11-Apr-2014 10:45:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D

Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



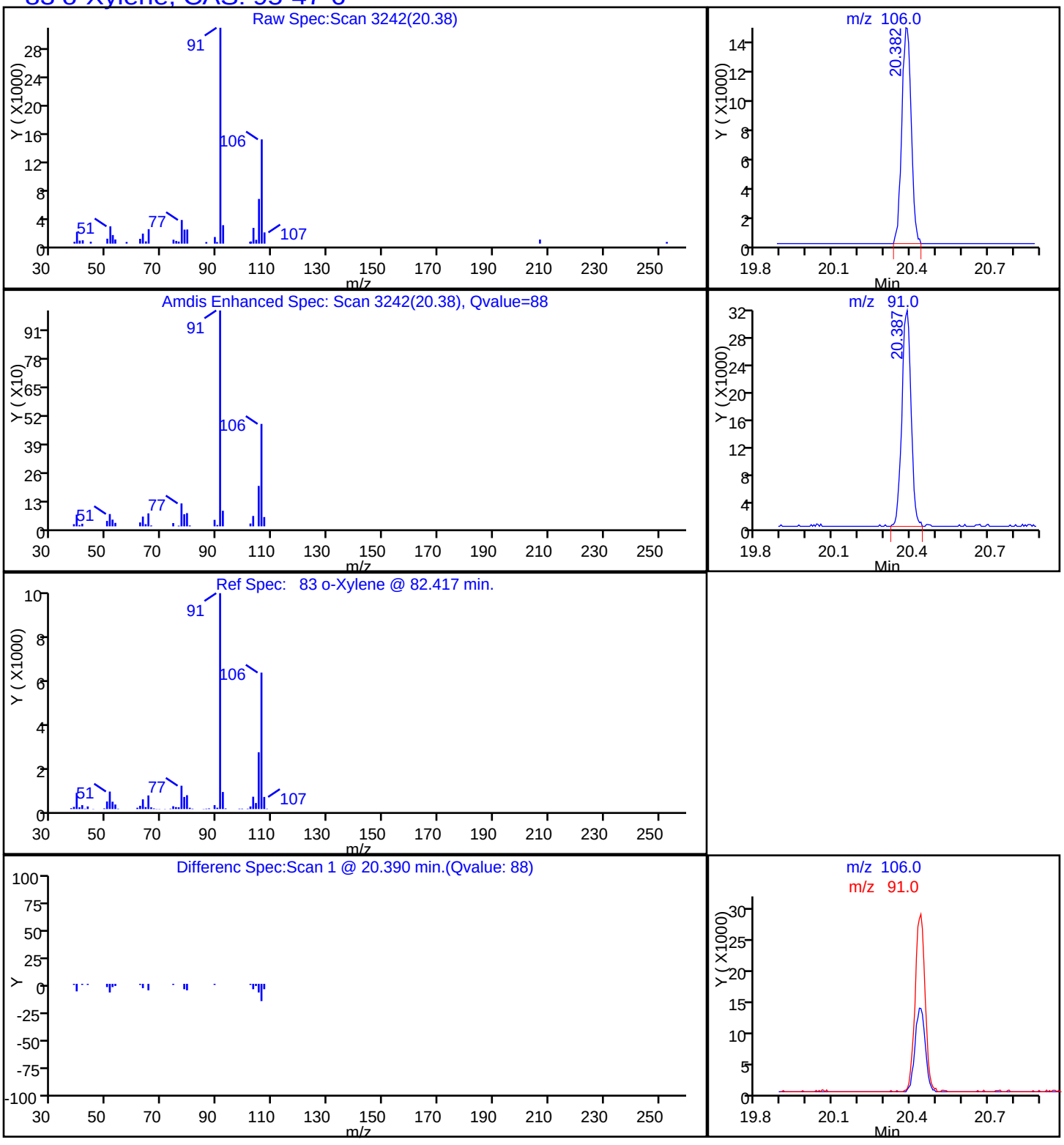
Report Date: 11-Apr-2014 10:45:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D

Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



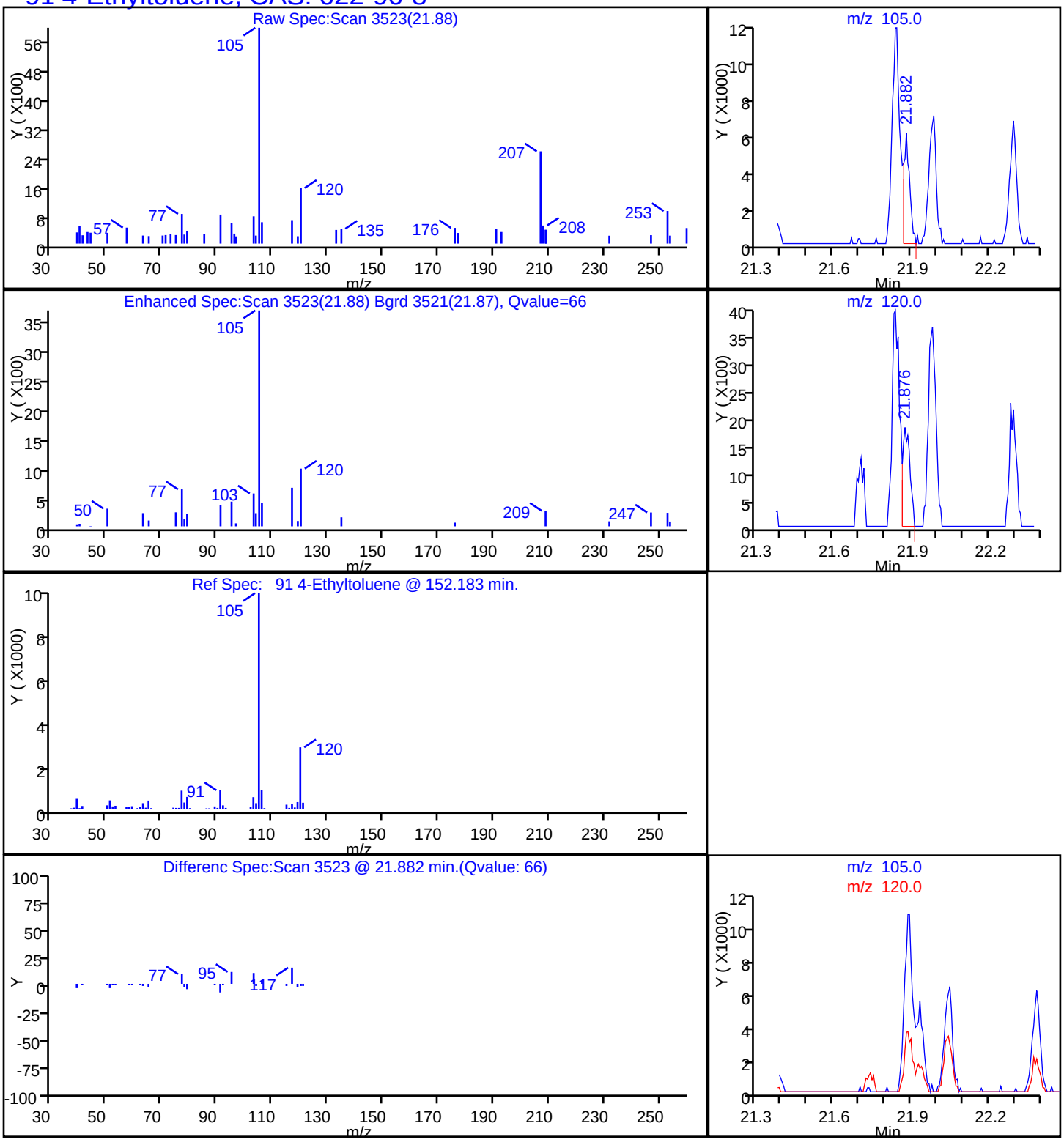
Report Date: 11-Apr-2014 10:45:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D

Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 4-Ethyltoluene, CAS: 622-96-8



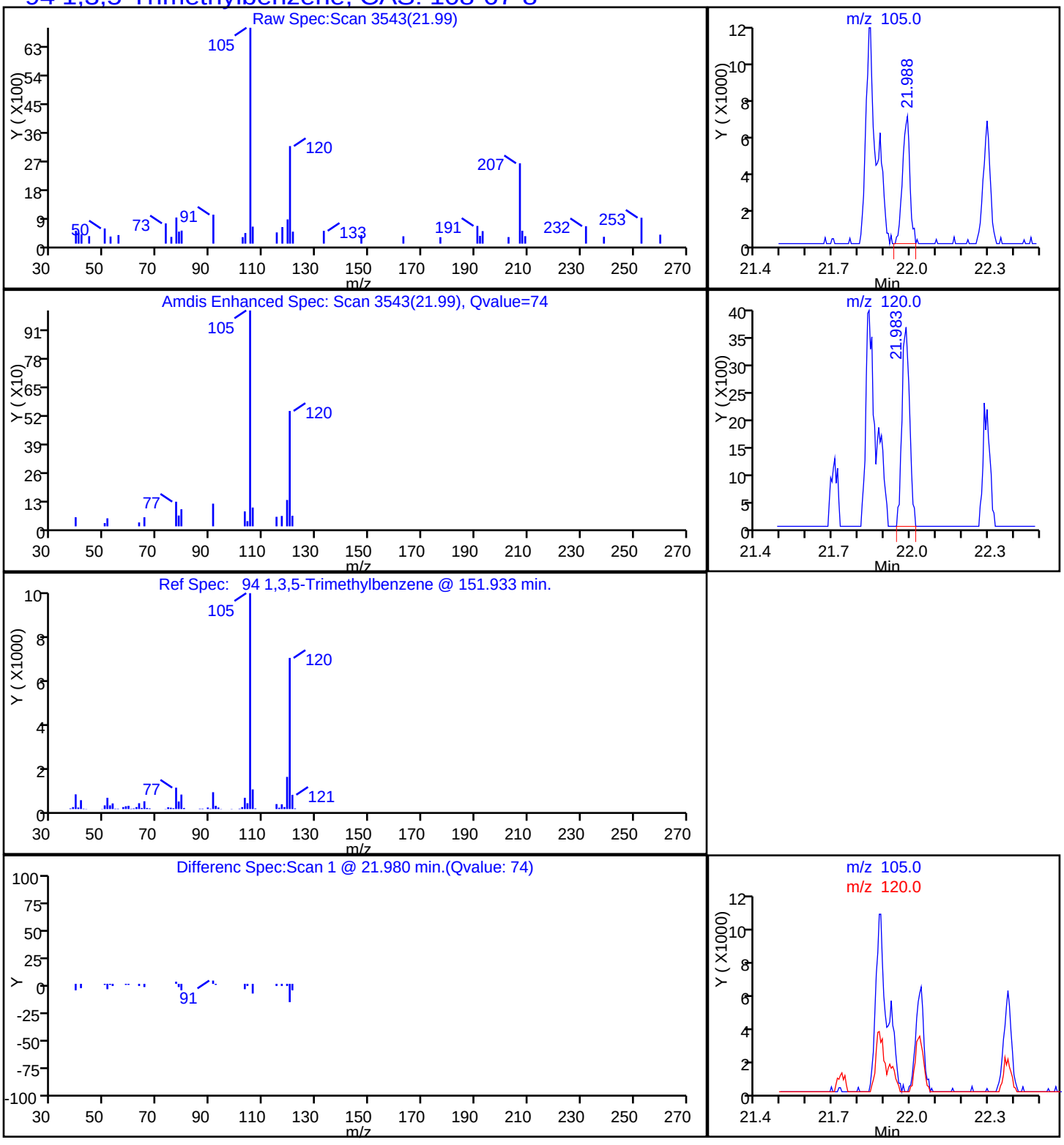
Report Date: 11-Apr-2014 10:45:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D

Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 1,3,5-Trimethylbenzene, CAS: 108-67-8



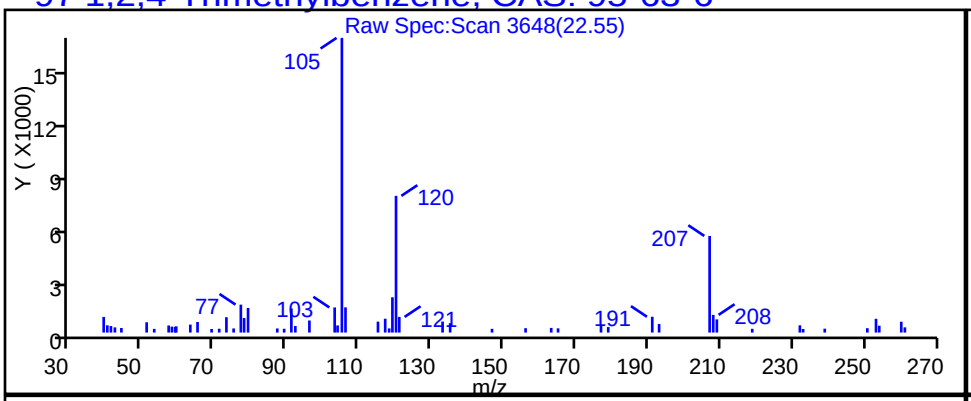
Report Date: 11-Apr-2014 10:45:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

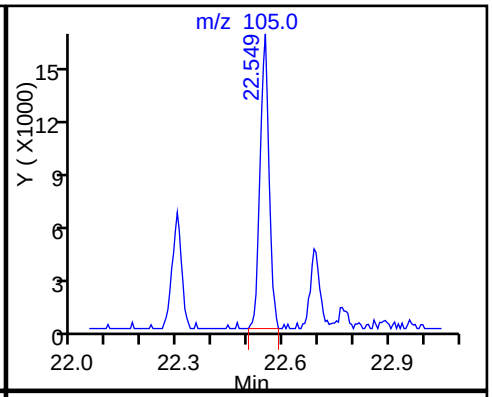
TestAmerica Burlington

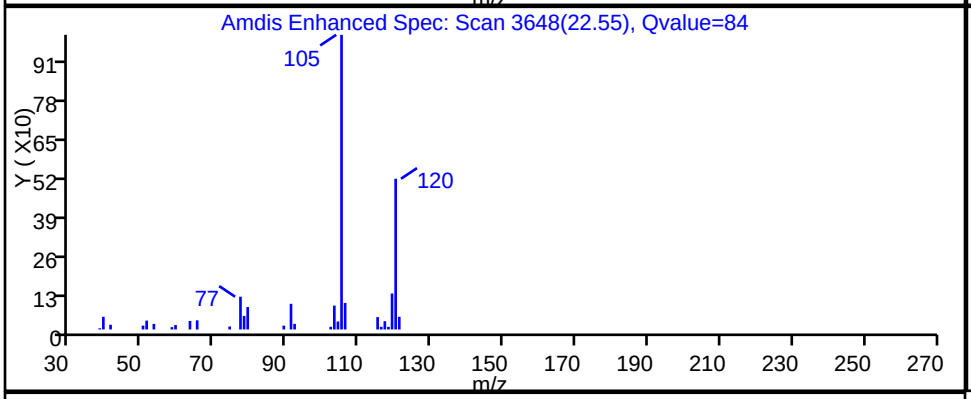
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_09.D

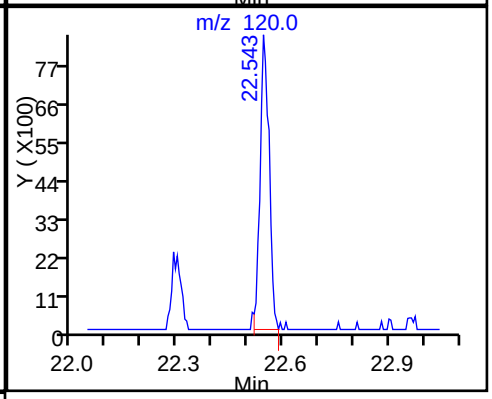
Injection Date:	10-Apr-2014 20:20:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-3	Lab Sample ID:	200-21727-3		
Client ID:	GCTS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

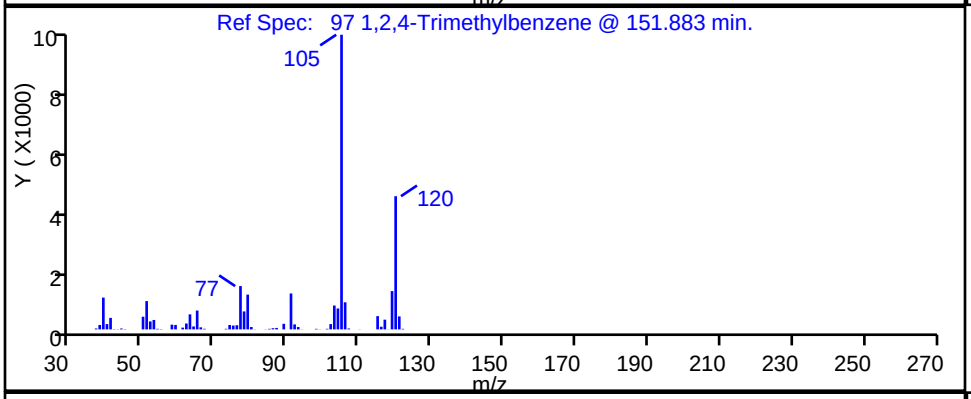
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

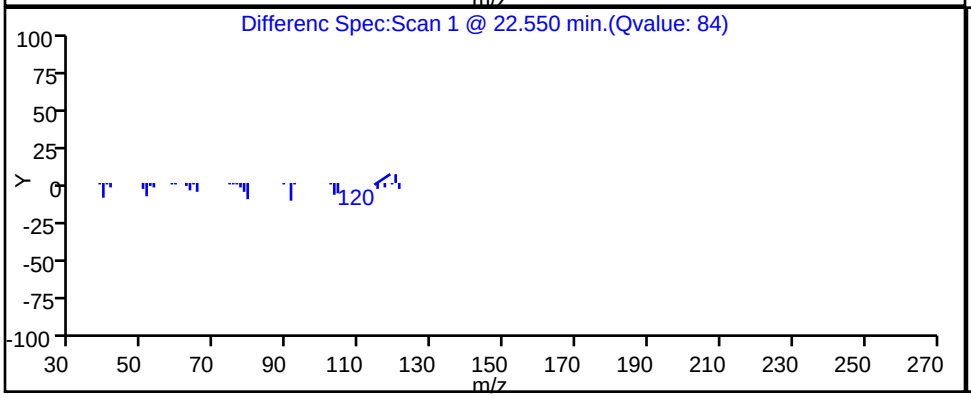


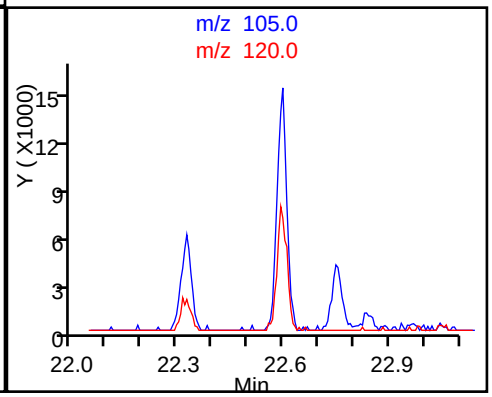












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-3 Lab Sample ID: 200-21727-4

Matrix: Air Lab File ID: 6977_10.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:45

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 21:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.48	J	0.50	0.030
75-45-6	Freon 22	86.47	0.54		0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.39	J	0.50	0.14
106-97-8	n-Butane	58.12	0.43	J	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.10	J	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.22		0.20	0.030
76-13-1	Freon 113	187.38	0.14	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	8.7		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	41	E	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.14	J	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	19		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.76		0.20	0.029
110-54-3	Hexane	86.17	0.37		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.45	J	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.17	J	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.93		0.20	0.064
67-66-3	Chloroform	119.38	0.091	J	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	0.52	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.038	J	0.20	0.021
110-82-7	Cyclohexane	84.16	1.1		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.074		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.17	J	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.29		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-3 Lab Sample ID: 200-21727-4

Matrix: Air Lab File ID: 6977_10.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:45

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 21:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	3.4		0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.10	J	0.50	0.027
108-88-3	Toluene	92.14	0.58		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	2.2		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.18	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.64		0.50	0.023
95-47-6	Xylene, o-	106.17	0.21		0.20	0.016
1330-20-7	Xylene (total)	106.17	0.85		0.20	0.034
100-42-5	Styrene	104.15	0.067	J	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.057	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.088	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-3 Lab Sample ID: 200-21727-4

Matrix: Air Lab File ID: 6977_10.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:45

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 21:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-3 Lab Sample ID: 200-21727-4

Matrix: Air Lab File ID: 6977_10.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:45

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 21:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.4	J	2.5	0.15
75-45-6	Freon 22	86.47	1.9		1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	0.80	J	1.0	0.28
106-97-8	n-Butane	58.12	1.0	J	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.22	J	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.3		1.1	0.17
76-13-1	Freon 113	187.38	1.0	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	21		12	3.0
67-63-0	Isopropyl alcohol	60.10	100	E	12	0.53
75-15-0	Carbon disulfide	76.14	0.43	J	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	66		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	3.0		0.79	0.11
110-54-3	Hexane	86.17	1.3		0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.3	J	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.68	J	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	3.7		0.79	0.25
67-66-3	Chloroform	119.38	0.44	J	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	1.5	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	0.21	J	1.1	0.11
110-82-7	Cyclohexane	84.16	3.8		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.46		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.56	J	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	1.2		0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-3 Lab Sample ID: 200-21727-4

Matrix: Air Lab File ID: 6977_10.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:45

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 21:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	18		0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.43	J	2.0	0.11
108-88-3	Toluene	92.14	2.2		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	15		1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.80	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.8		2.2	0.10
95-47-6	Xylene, o-	106.17	0.90		0.87	0.069
1330-20-7	Xylene (total)	106.17	3.7		0.87	0.15
100-42-5	Styrene	104.15	0.29	J	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.28	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.43	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-3 Lab Sample ID: 200-21727-4

Matrix: Air Lab File ID: 6977_10.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:45

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 21:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D
Lims ID: 200-21727-A-4 Lab Sample ID: 200-21727-4
Client ID: SDS-3
Sample Type: Client
Inject. Date: 10-Apr-2014 21:13:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006977-010
Misc. Info.: 21727-4
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 10:48:06 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 10:48:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.256	3.256	0.000	98	61369	0.4848	
6 Chlorodifluoromethane	51	3.315	3.315	0.000	72	23083	0.5426	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50	3.693	3.699	-0.006	90	8145	0.3892	
9 Butane	43	3.918	3.912	0.006	88	14419	0.4313	
10 Vinyl chloride	62		3.966					
11 Butadiene	54	4.056	4.051	0.005	70	2106	0.1015	
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.049					
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101	5.561	5.567	-0.006	85	35006	0.2232	
23 1,1,2-Trichloro-1,2,2-trif	101	6.709	6.714	-0.005	79	12935	0.1367	
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43	7.034	7.034	0.000	88	315592	8.65	
26 Carbon disulfide	76	7.136	7.141	-0.005	82	12428	0.1381	
27 Isopropyl alcohol	45	7.355	7.355	0.000	98	1098837	41.0	E
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.894	7.894	0.000	72	502415	19.1	
32 2-Methyl-2-propanol	59		8.155					
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61	8.337	8.342	-0.005	78	33532	0.7638	
36 Hexane	57	8.726	8.732	-0.006	83	15373	0.3674	
37 1,1-Dichloroethane	63	9.260	9.260	0.000	10	2239	0.0357	
S 41 1,2-Dichloroethene, Total	61				0		0.9362	
39 cis-1,2-Dichloroethene	96	10.423	10.418	0.005	75	9572	0.1723	
40 2-Butanone (MEK)	72	10.503	10.498	0.005	91	9271	0.4470	
* 43 Chlorobromomethane	128	10.909	10.909	0.000	66	491332	10.0	
44 Tetrahydrofuran	42	10.946	10.925	0.021	76	13321	0.5160	
45 Chloroform	83	11.053	11.048	0.005	58	10497	0.0910	
46 Cyclohexane	84	11.277	11.283	-0.006	74	72687	1.09	
47 1,1,1-Trichloroethane	97	11.315	11.325	-0.010	38	5472	0.0384	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.581	11.581	0.000	66	12784	0.0736	
51 Isooctane	57		12.035					
50 Benzene	78	12.067	12.083	-0.016	75	26517	0.1742	
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43	12.451	12.451	0.000	80	17249	0.2913	M
* 54 1,4-Difluorobenzene	114	12.974	12.980	-0.006	91	2564645	10.0	
56 Trichloroethene	95	13.455	13.460	-0.005	94	316232	3.38	
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69		14.234					
60 1,4-Dioxane	88		14.303					
62 Dichlorobromomethane	83		14.629					
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43	15.910	15.894	0.016	76	8931	0.1049	
66 Toluene	92	16.182	16.182	0.000	92	84677	0.5844	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166	17.265	17.265	0.000	90	414197	2.22	
73 2-Hexanone	43		17.639					
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	82	2542754	10.0	
77 Chlorobenzene	112		19.181					
78 Ethylbenzene	91	19.325	19.325	0.000	94	62973	0.1842	
81 m-Xylene & p-Xylene	106	19.571	19.576	-0.005	99	94658	0.6417	
S 82 Xylenes, Total	106				0		0.8500	
83 o-Xylene	106	20.387	20.387	0.000	88	30042	0.2083	
84 Styrene	104	20.435	20.435	0.000	61	14987	0.0672	
85 Bromoform	173		20.836					
$ 87 4-Bromofluorobenzene	95	21.375	21.375	0.000	95	1713043	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91		21.706					
91 4-Ethyltoluene	105	21.887	21.882	0.005	51	6808	0.0158	
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105	21.988	21.983	0.005	84	21543	0.0566	
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105	22.543	22.549	-0.006	94	34297	0.0884	
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119		22.965					
100 1,3-Dichlorobenzene	146	23.002	23.008	-0.006	55	3424	0.0107	
101 1,4-Dichlorobenzene	146	23.141	23.141	0.000	46	3319	0.0103	
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
105 1,2-Dichlorobenzene	146		23.696					
107 1,2,4-Trichlorobenzene	180		26.322					
108 Hexachlorobutadiene	225		26.509					
109 Naphthalene	128		26.850					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

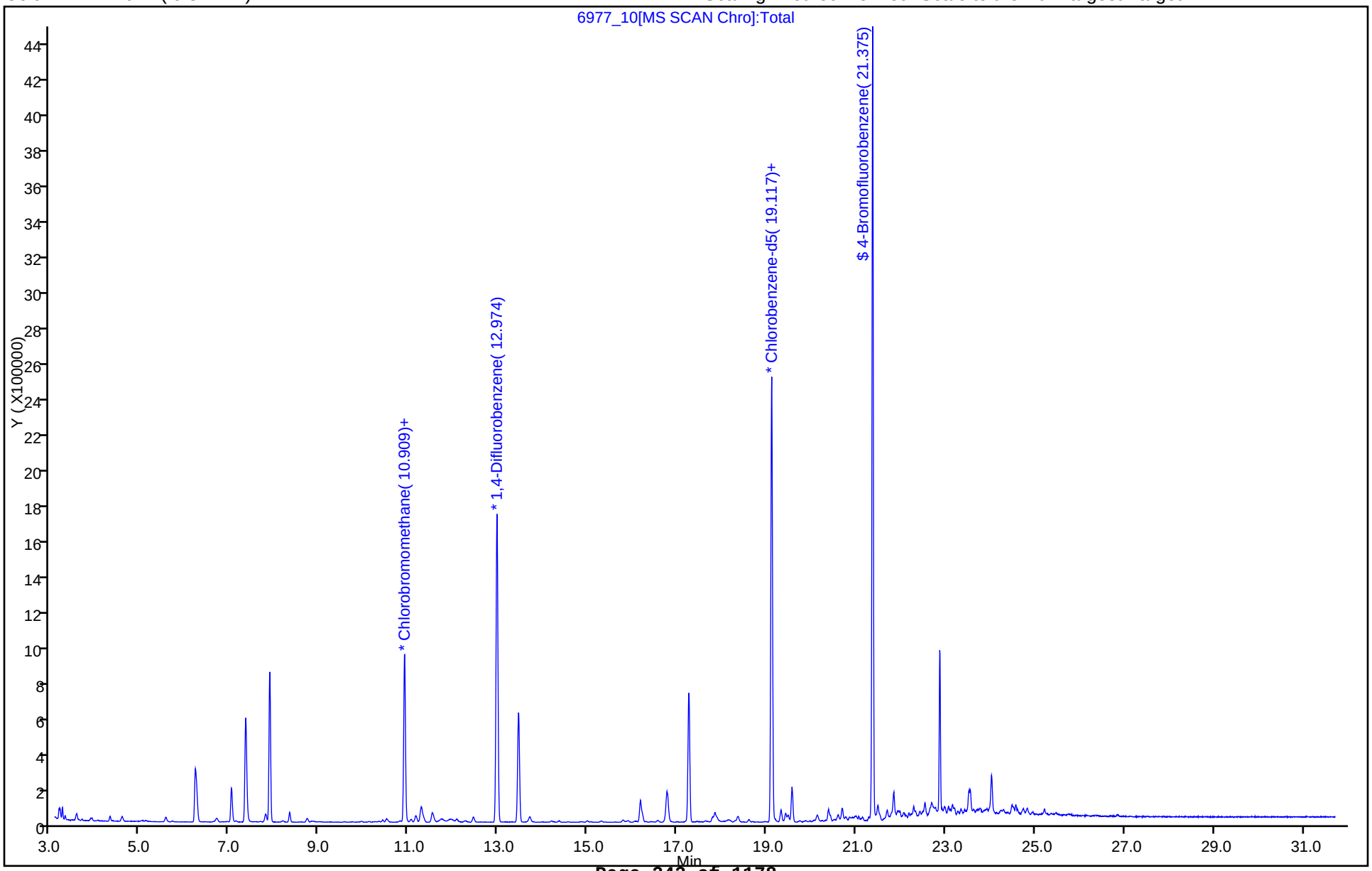
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4	Worklist Smp#:	10
Client ID:	SDS-3				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



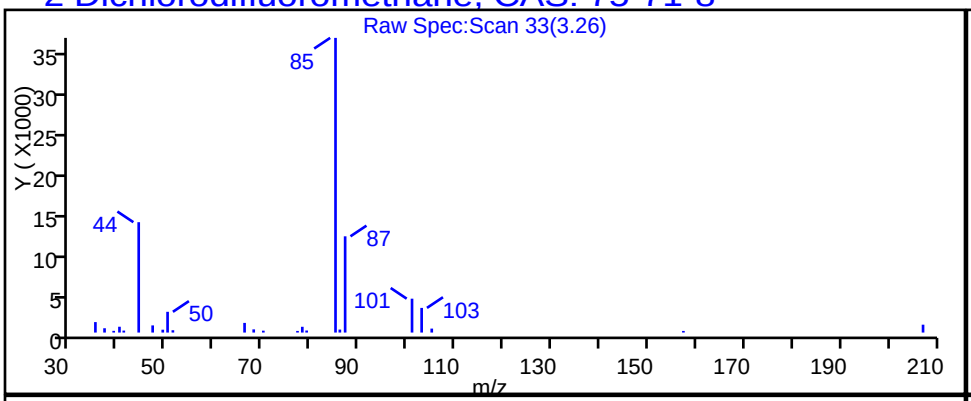
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

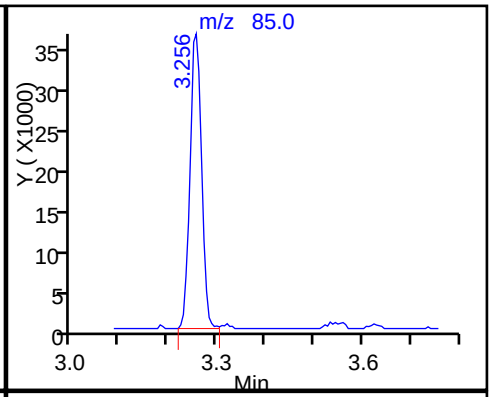
TestAmerica Burlington

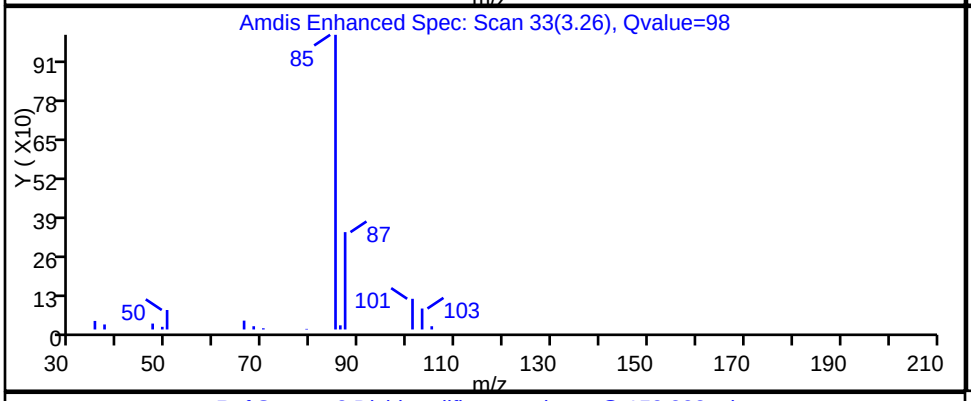
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

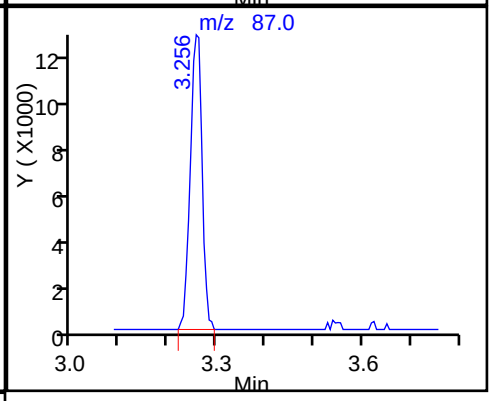
Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

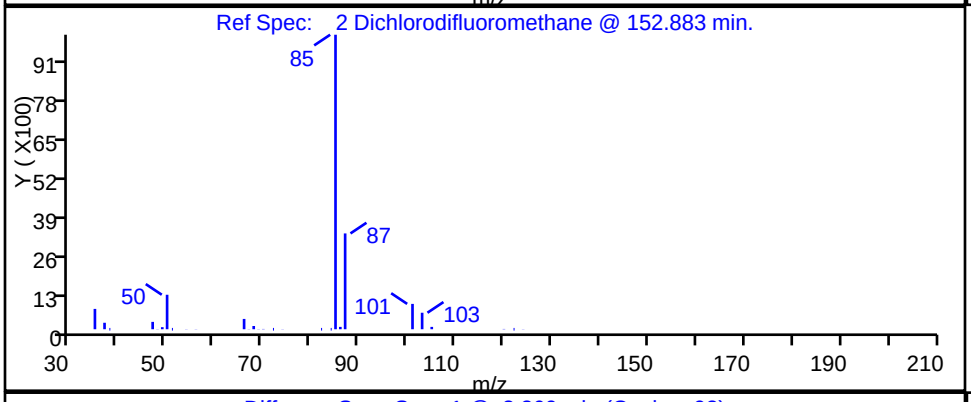
2 Dichlorodifluoromethane, CAS: 75-71-8

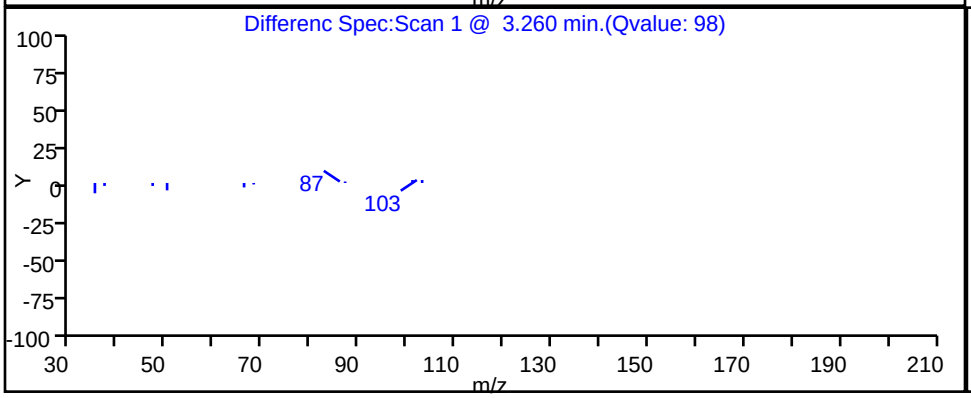


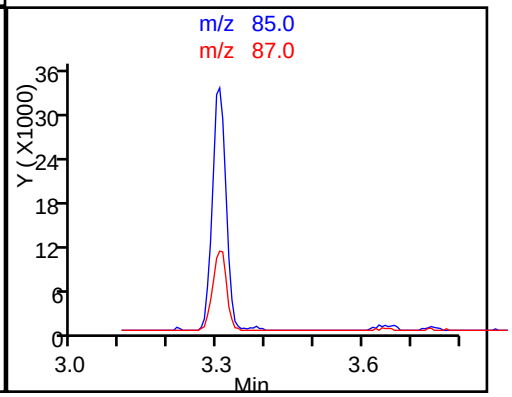












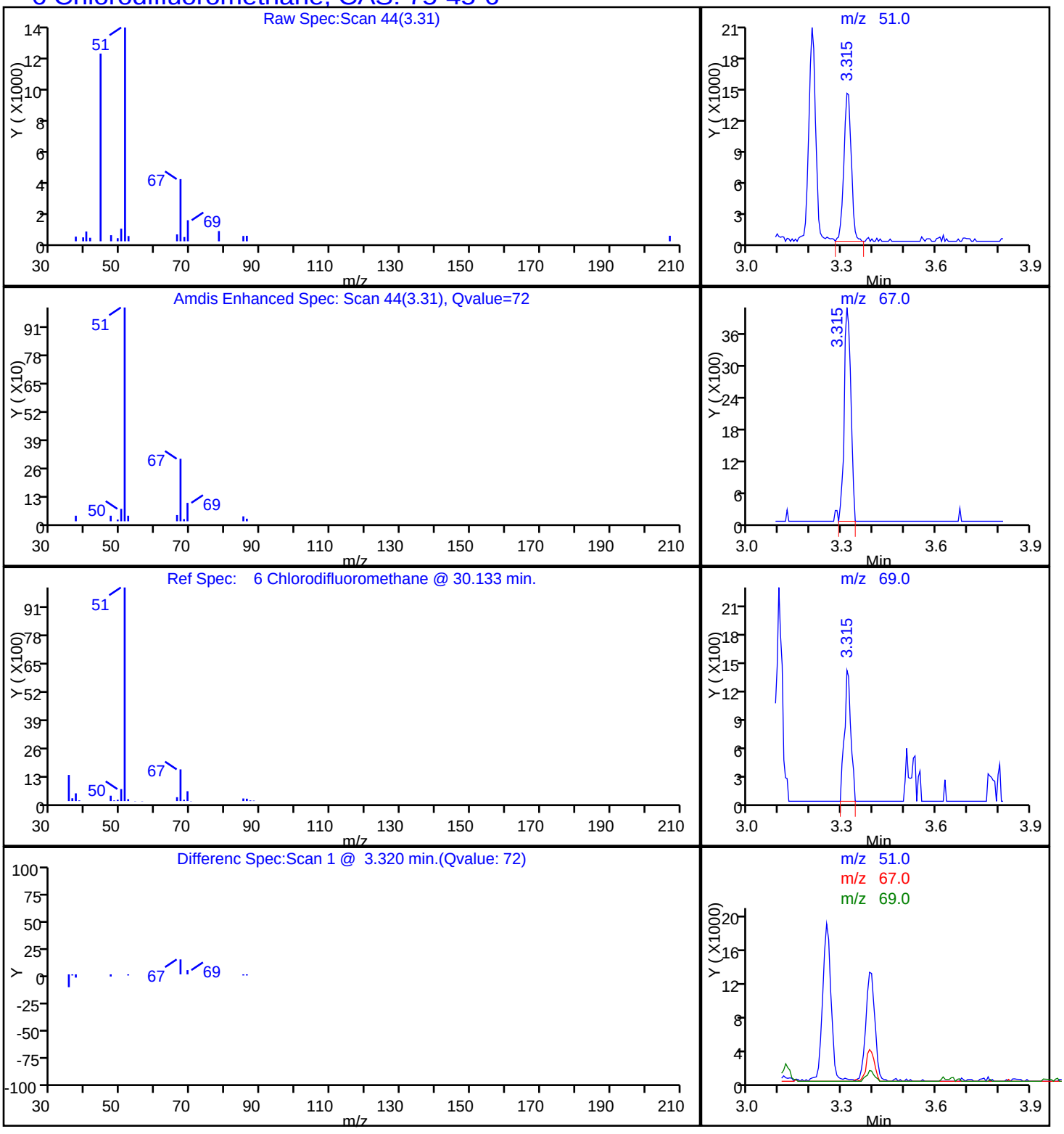
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



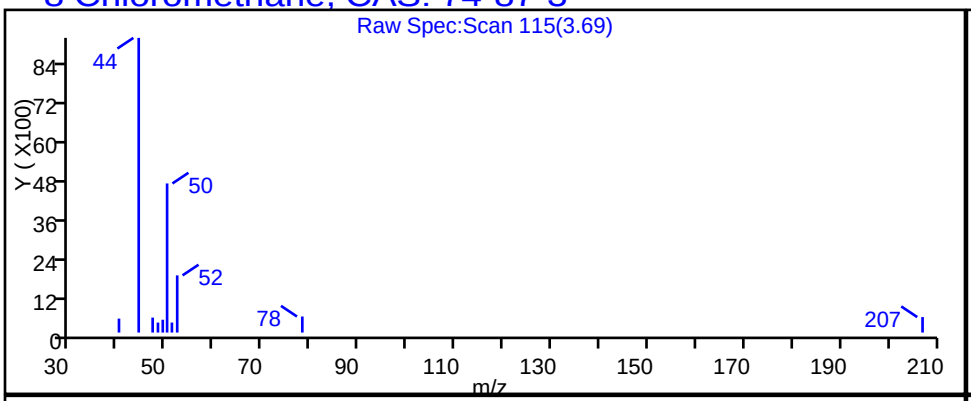
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

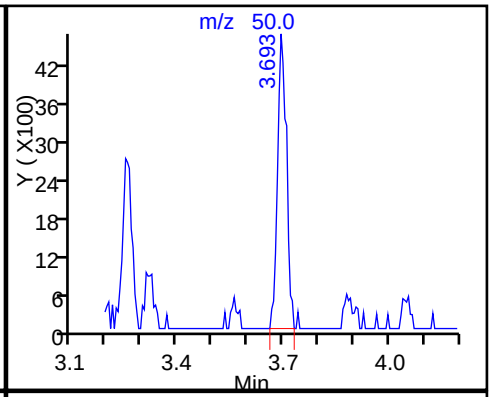
TestAmerica Burlington

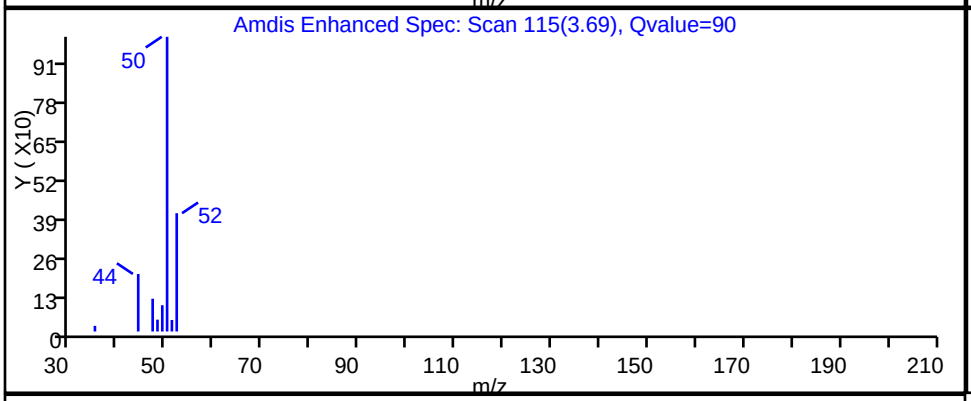
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

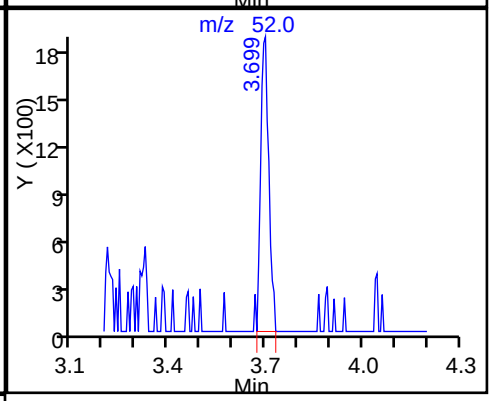
Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

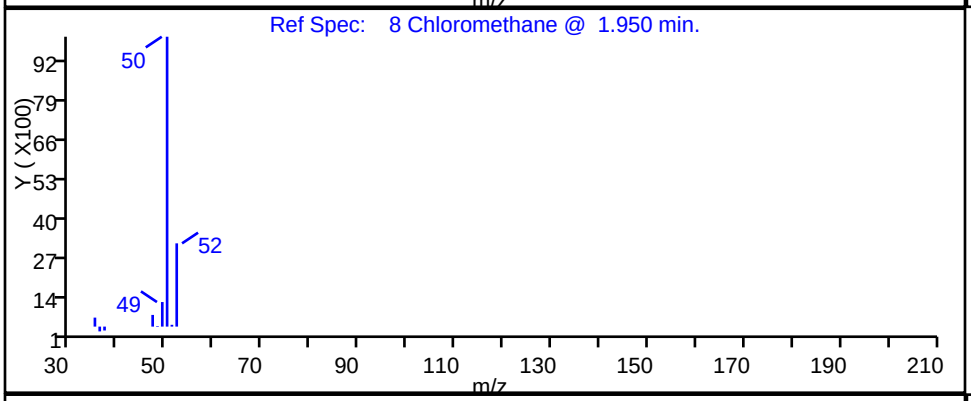
8 Chloromethane, CAS: 74-87-3

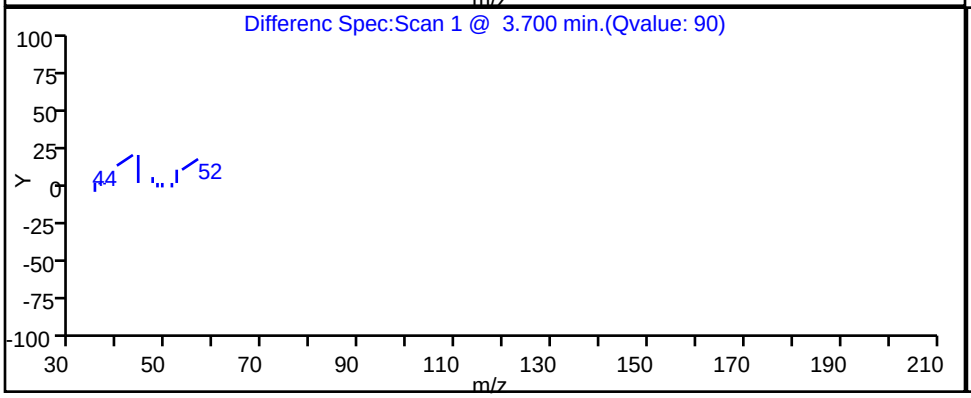


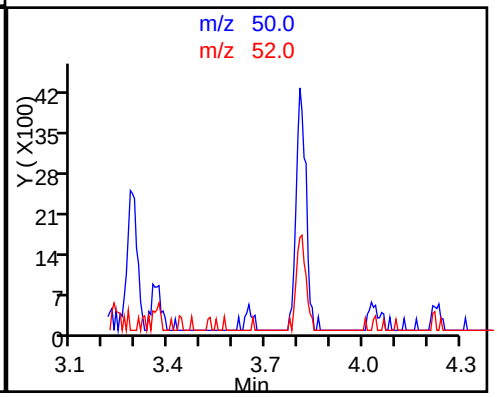












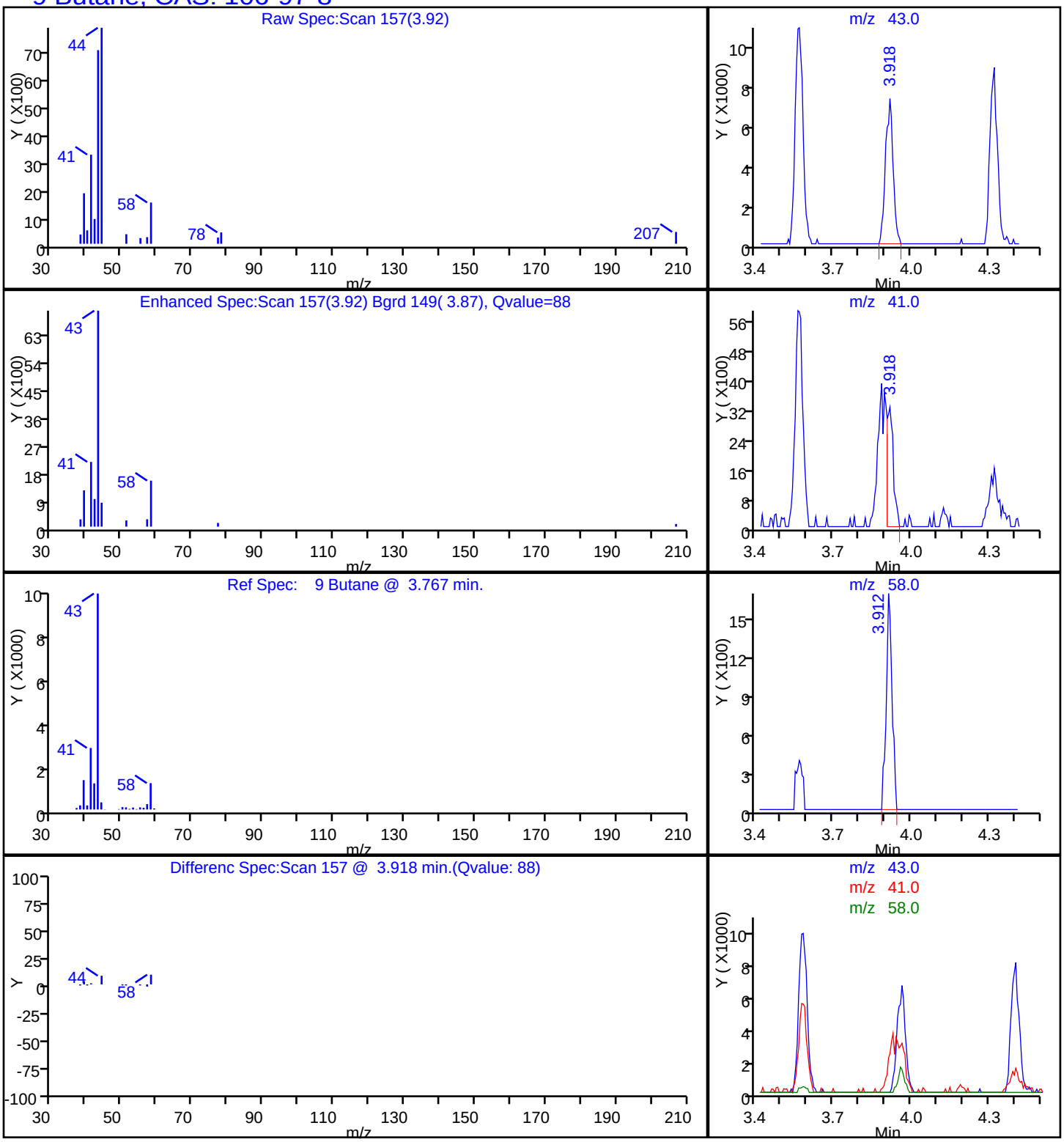
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



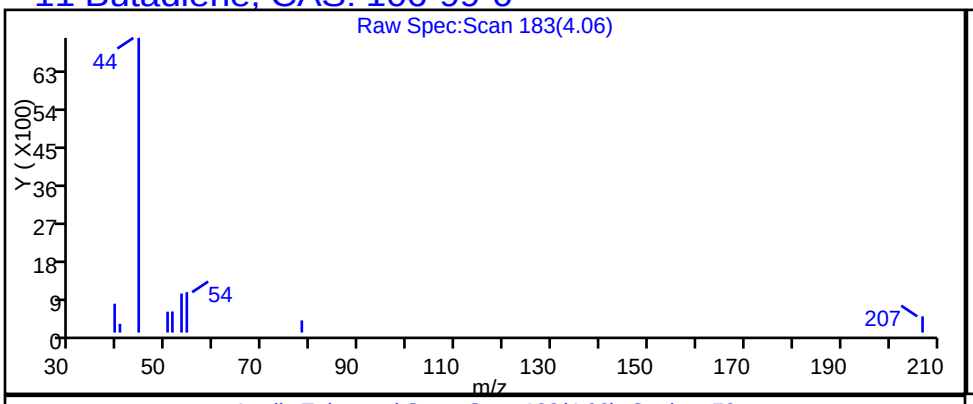
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

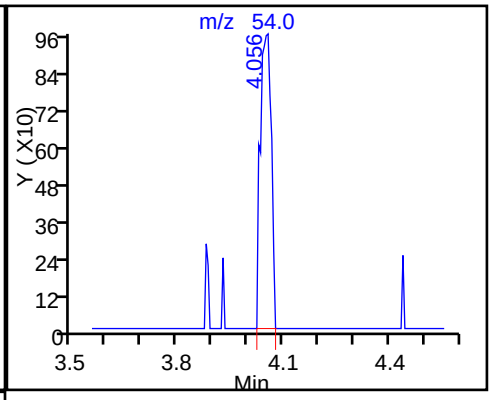
TestAmerica Burlington

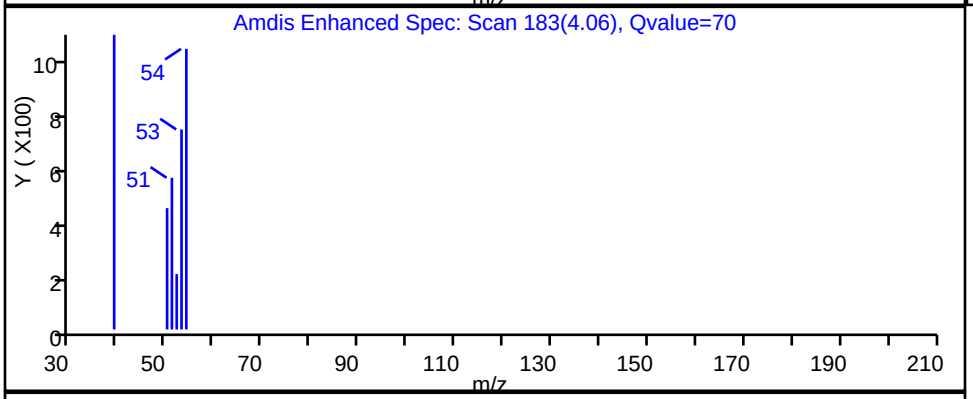
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

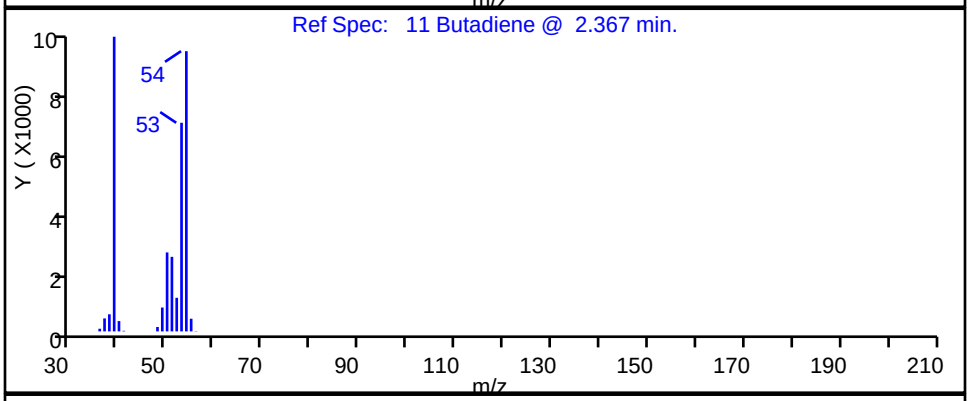
Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

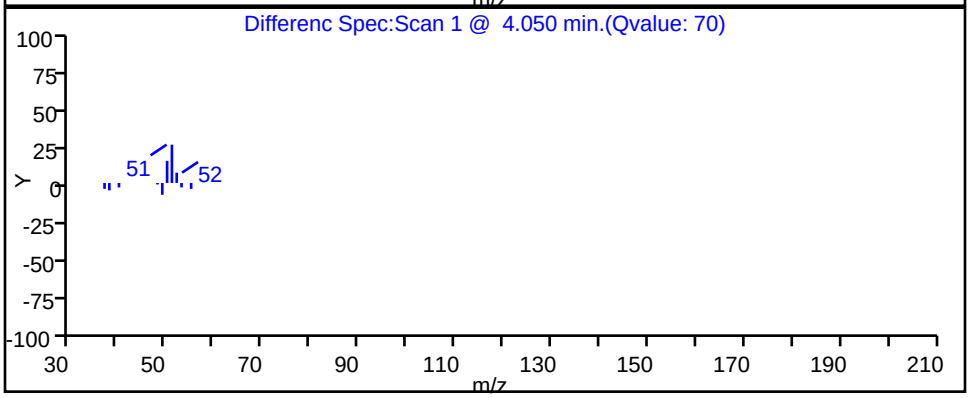
11 Butadiene, CAS: 106-99-0











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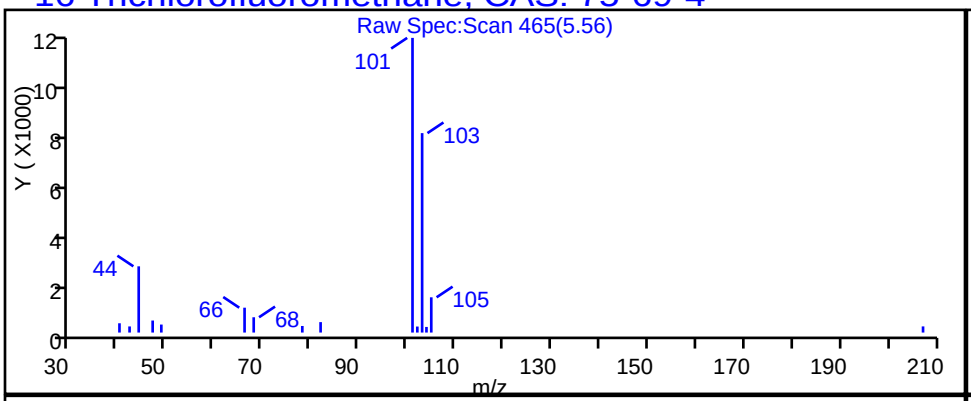
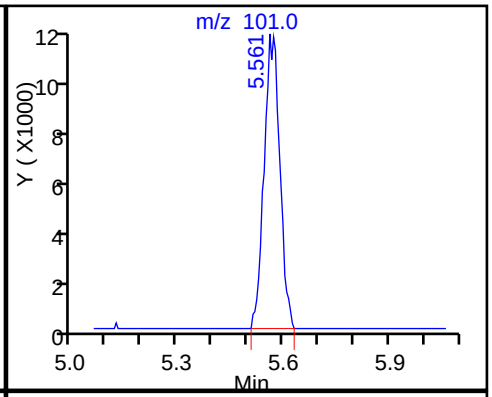
TestAmerica Burlington

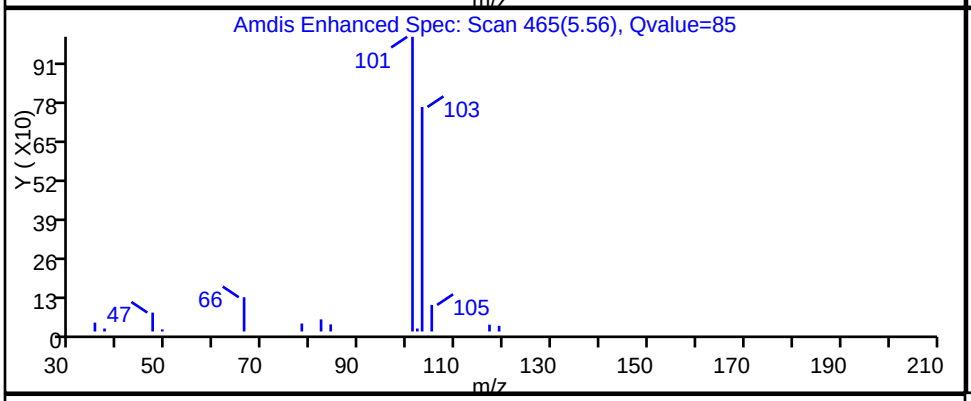
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

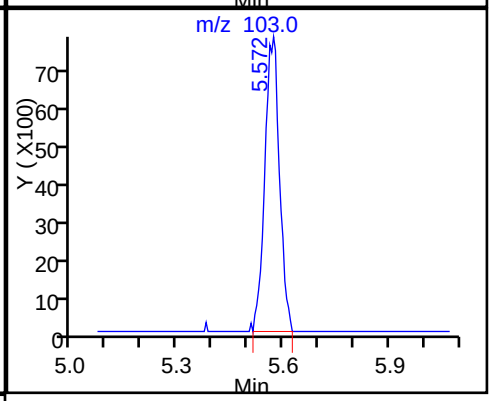
Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

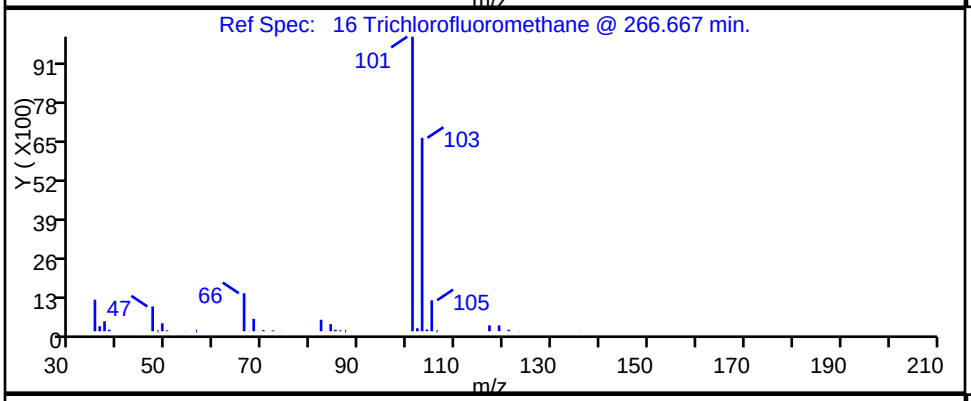
16 Trichlorofluoromethane, CAS: 75-69-4

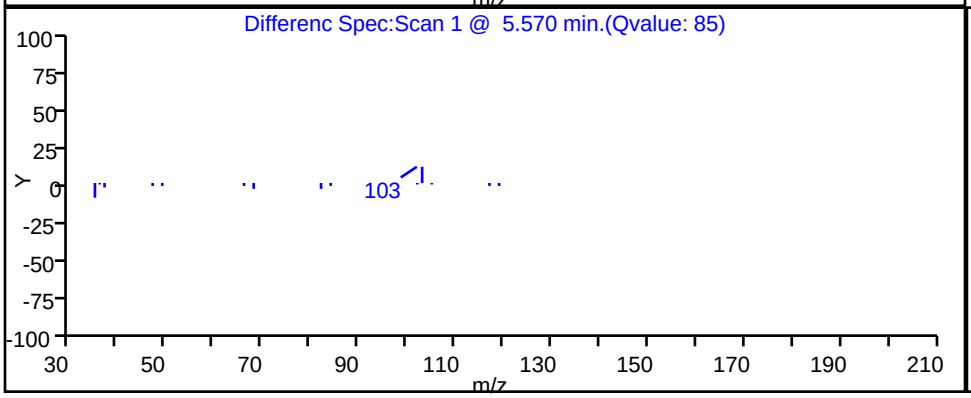


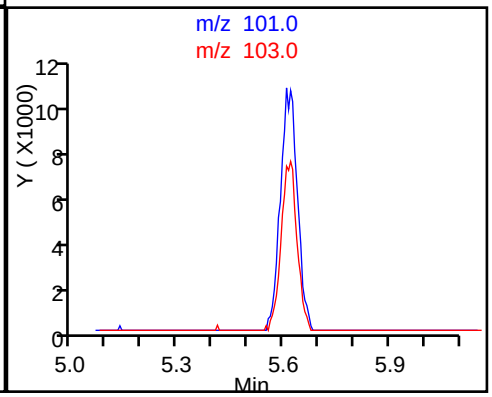












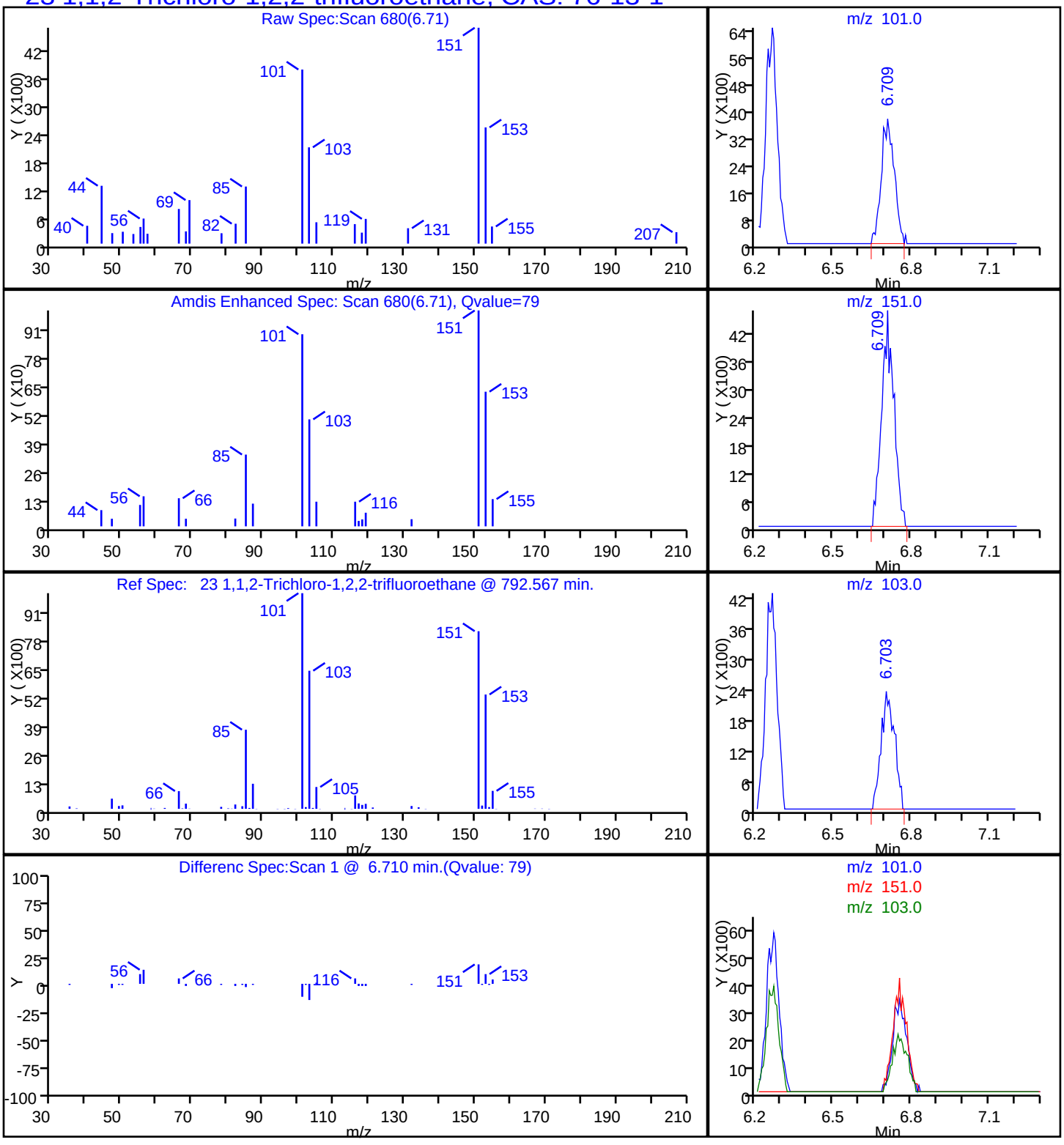
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



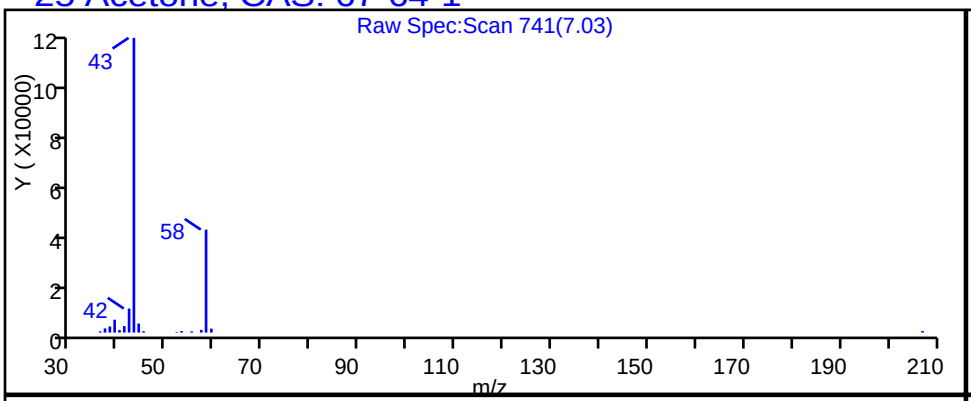
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

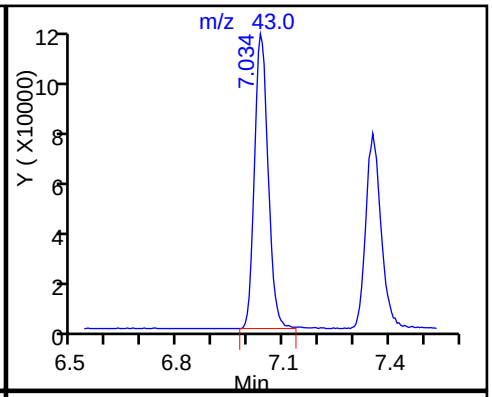
TestAmerica Burlington

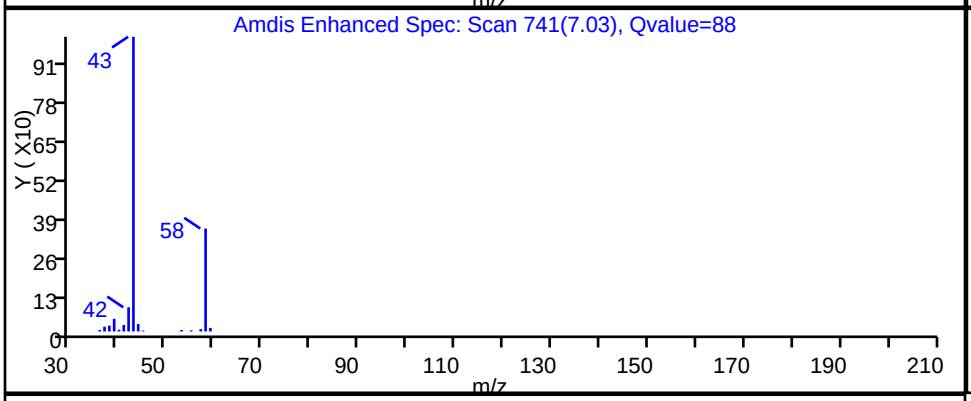
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

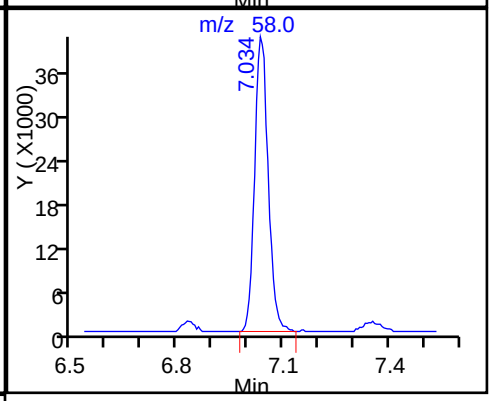
Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

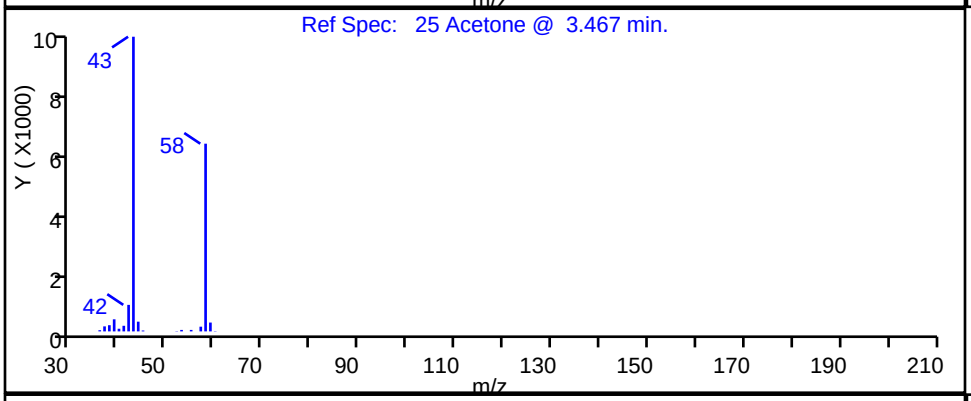
25 Acetone, CAS: 67-64-1

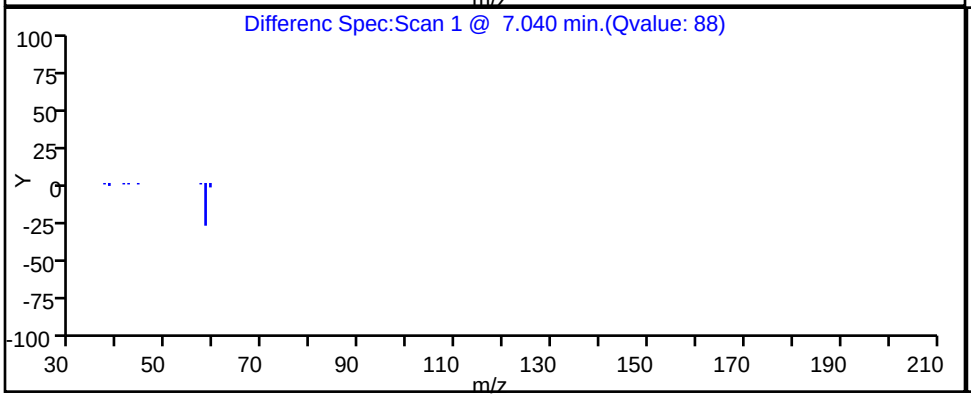


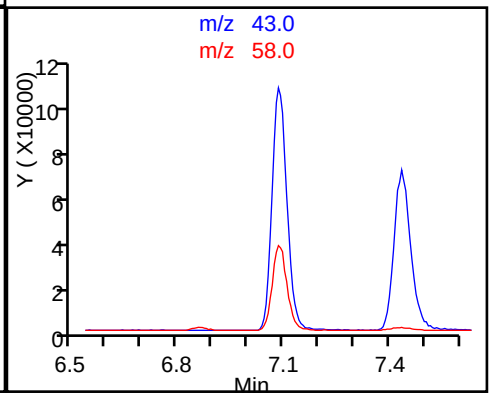












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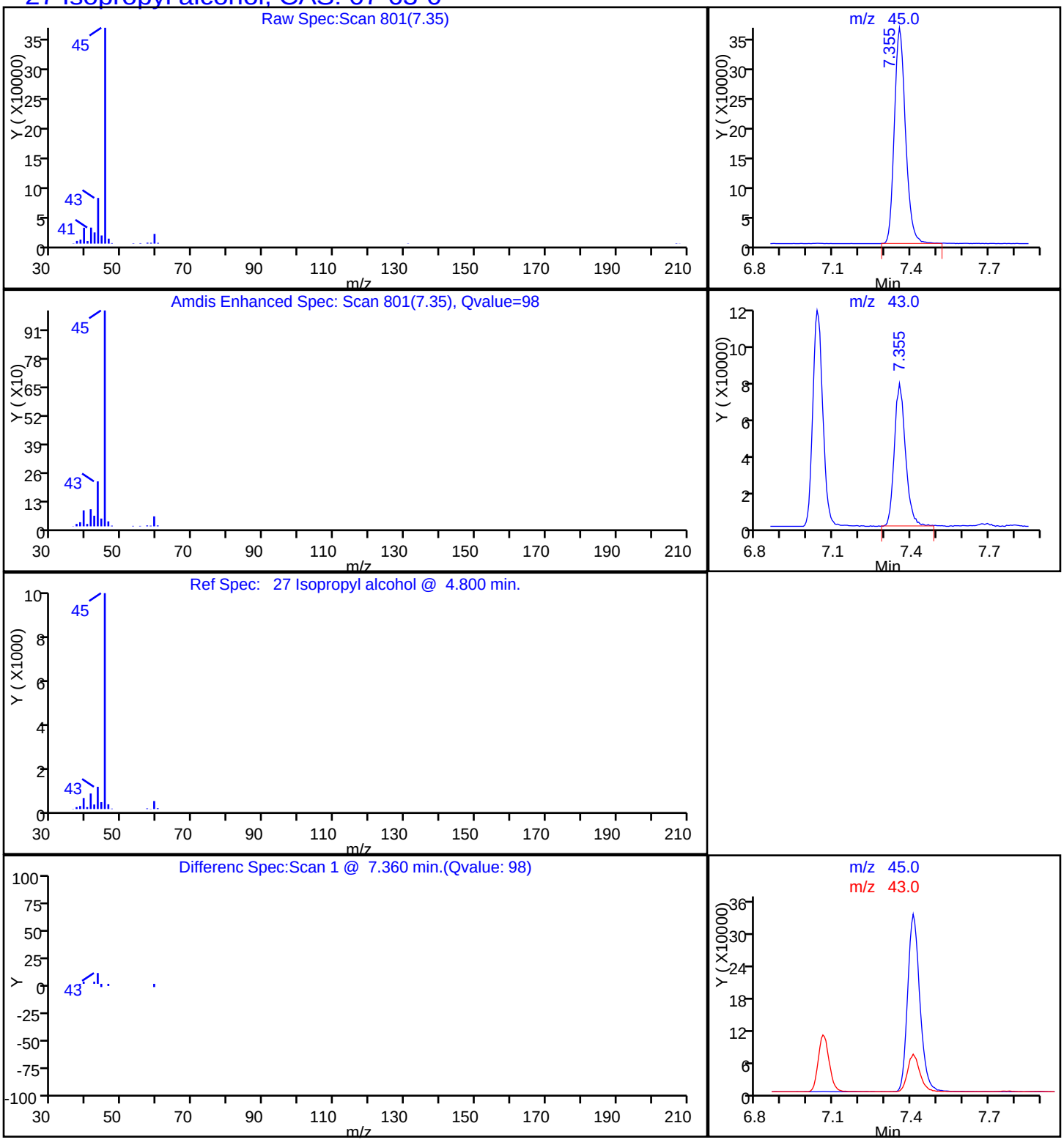
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



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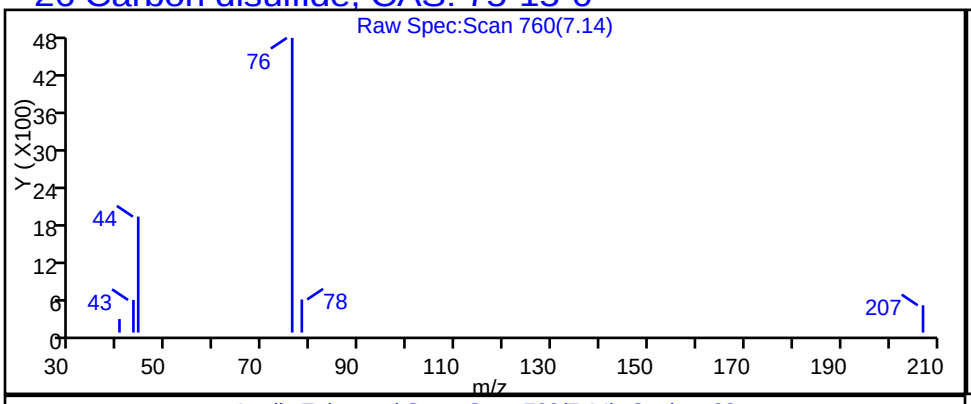
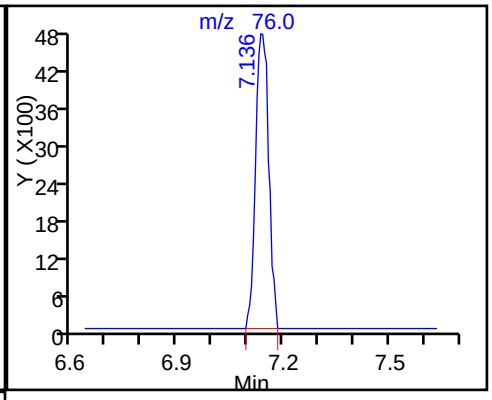
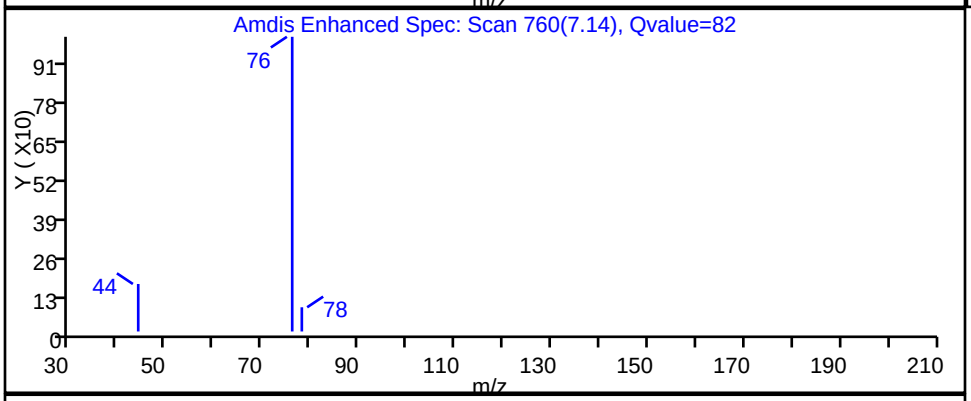
TestAmerica Burlington

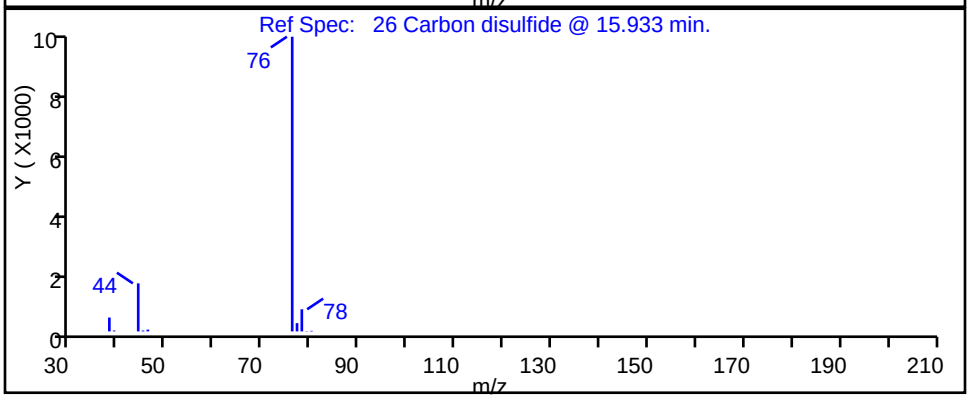
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D				
Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0









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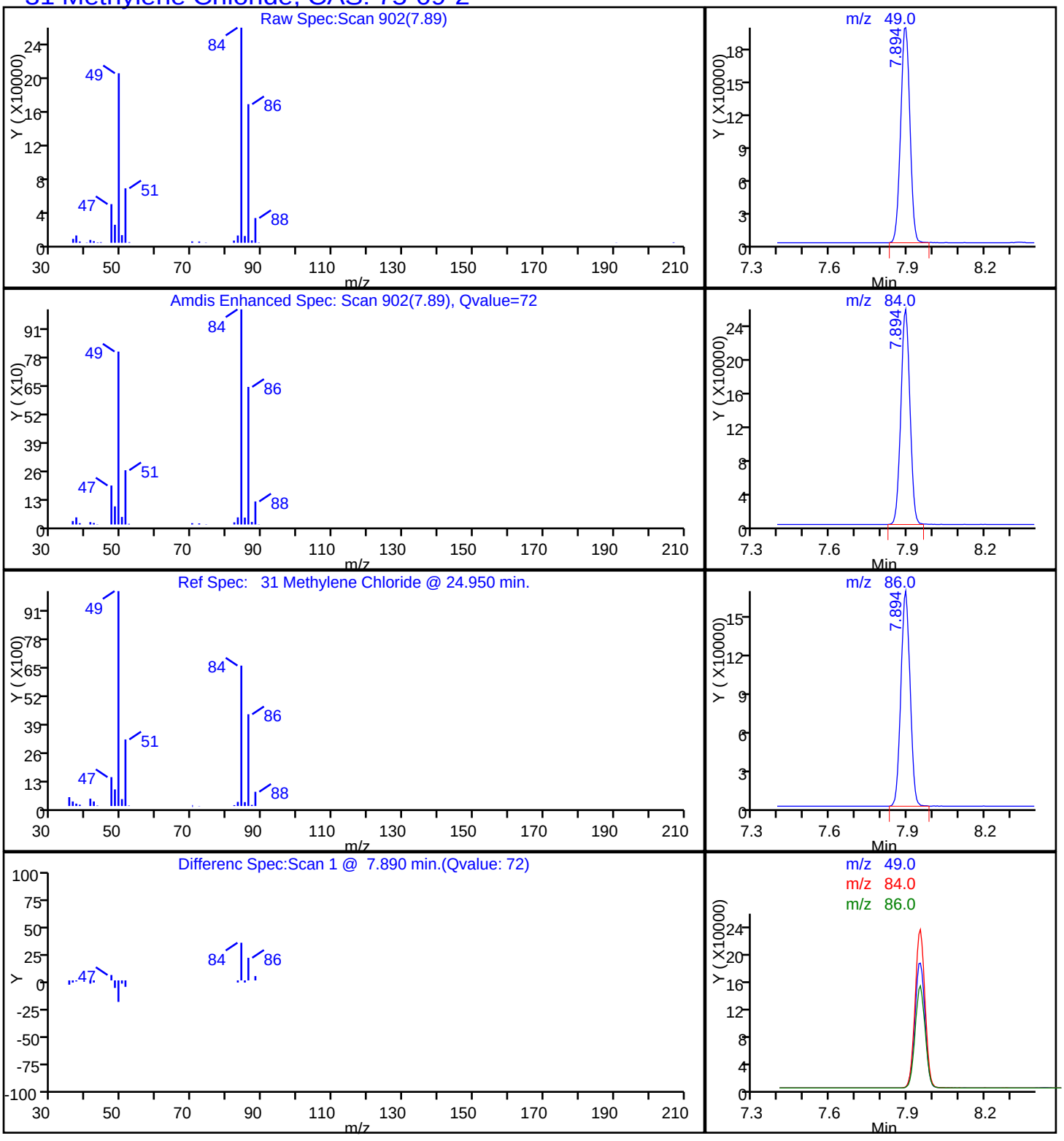
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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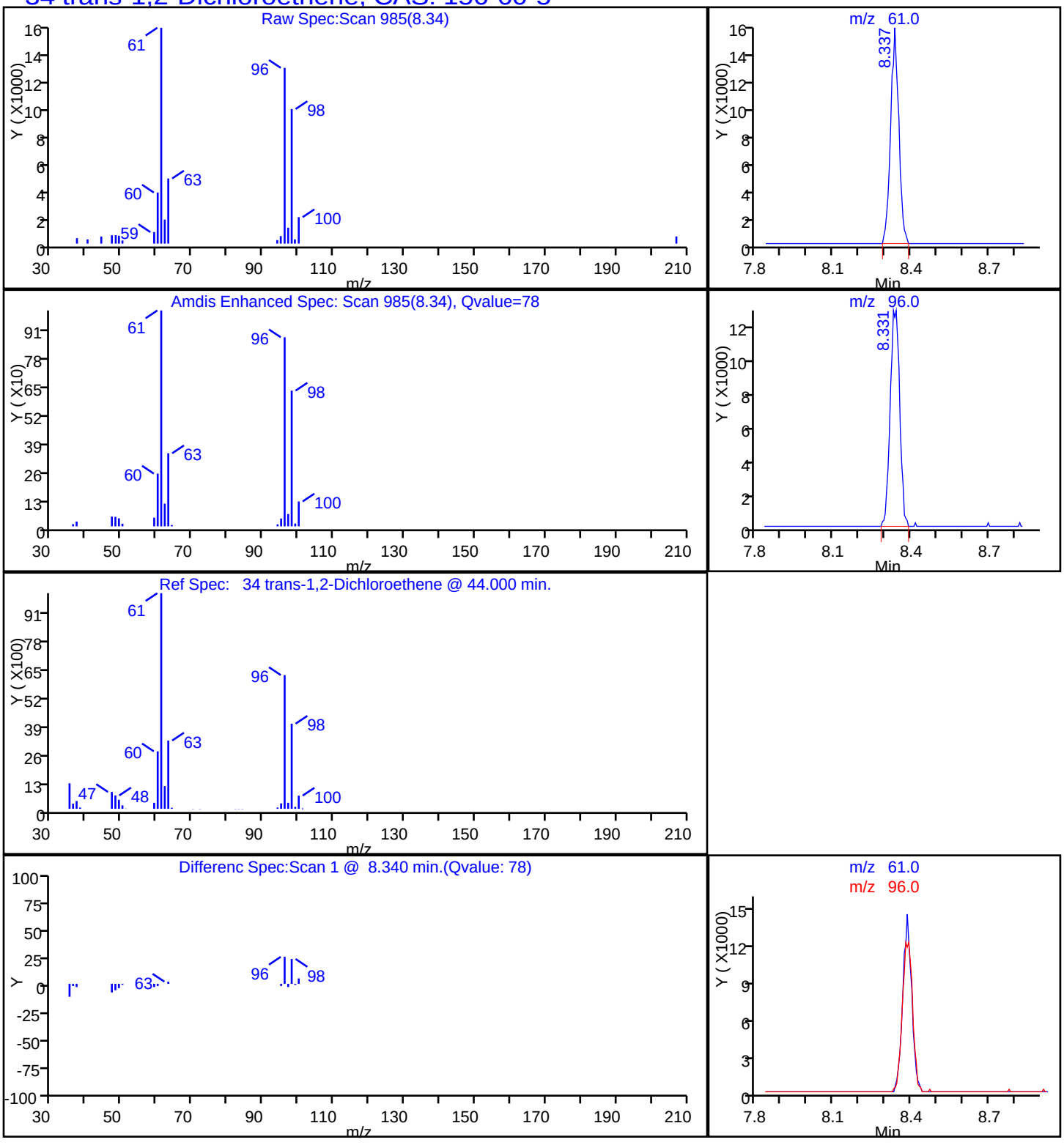
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5



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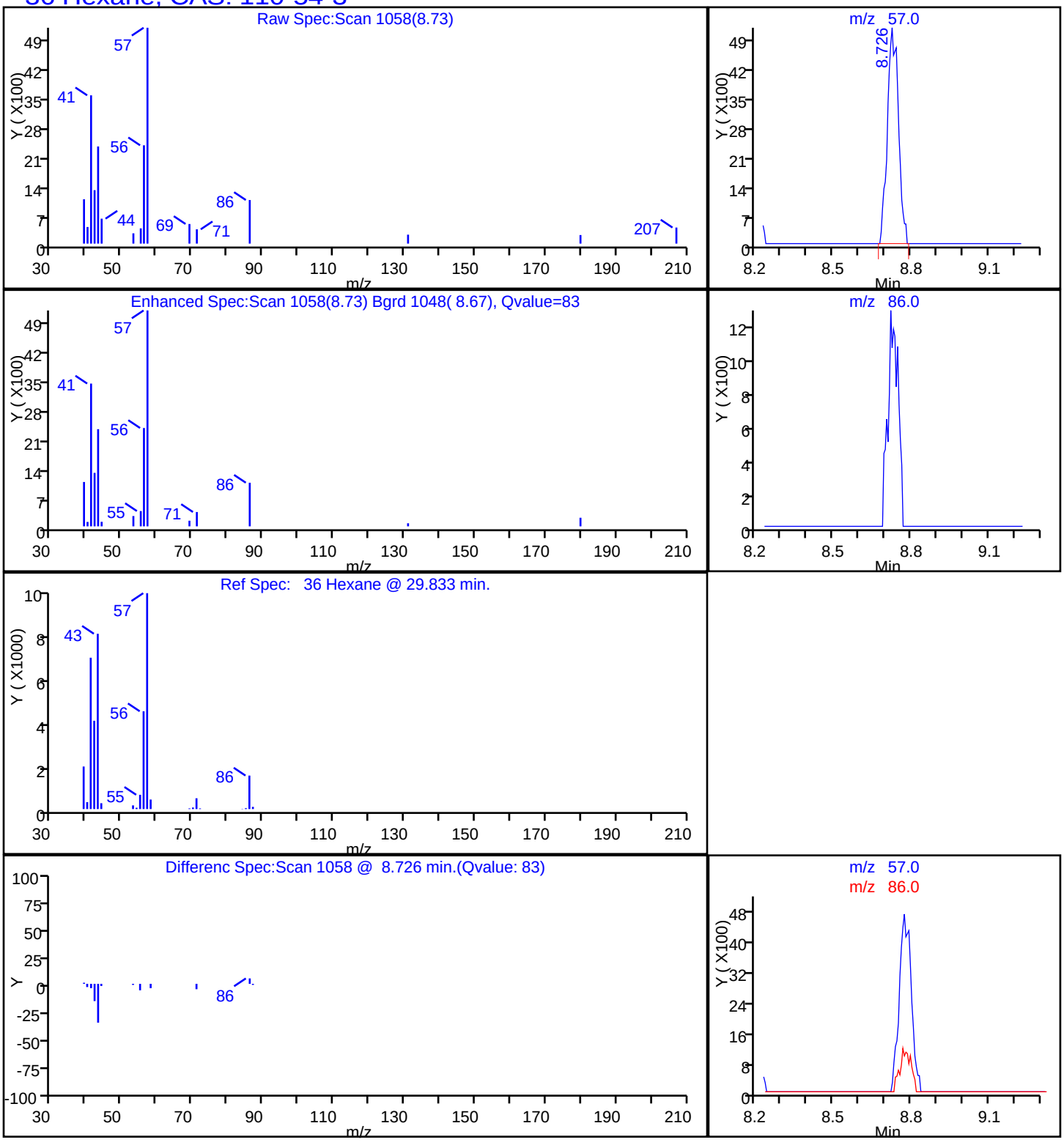
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



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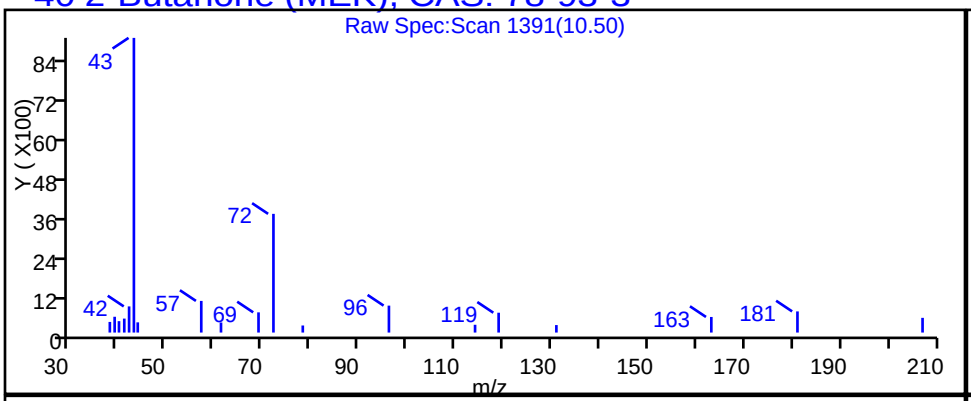
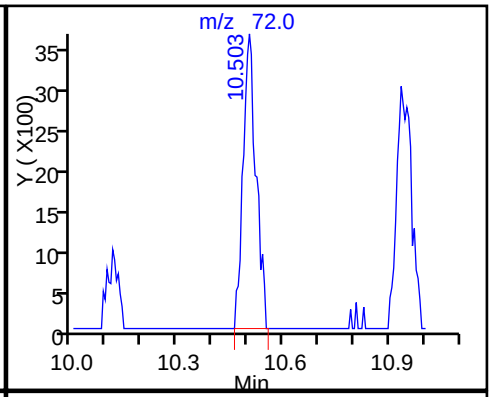
TestAmerica Burlington

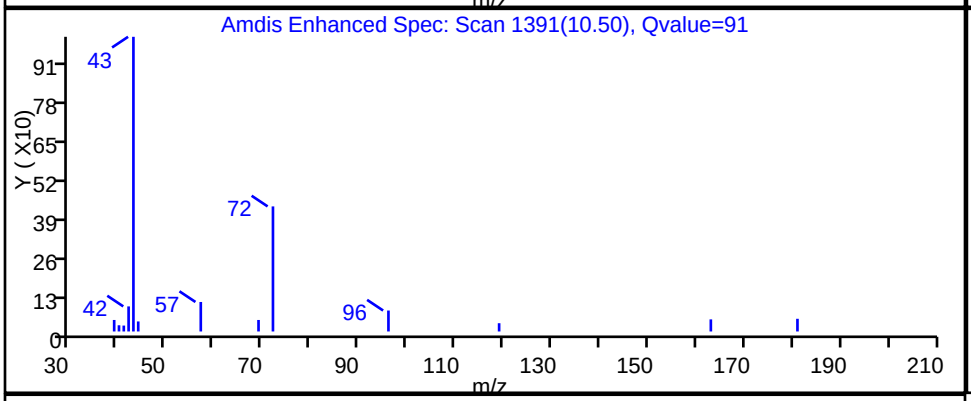
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

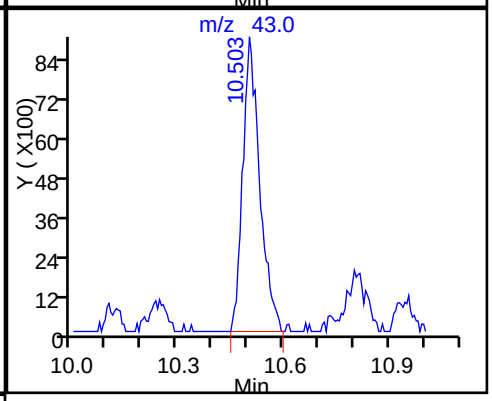
Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

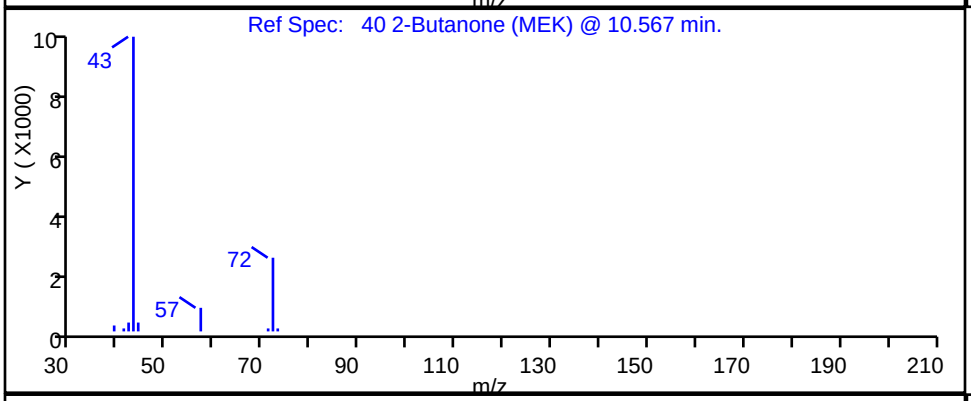
40 2-Butanone (MEK), CAS: 78-93-3

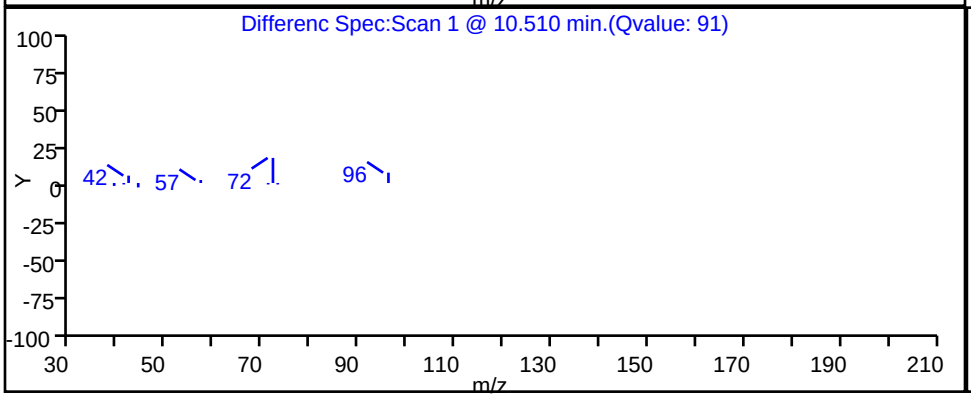


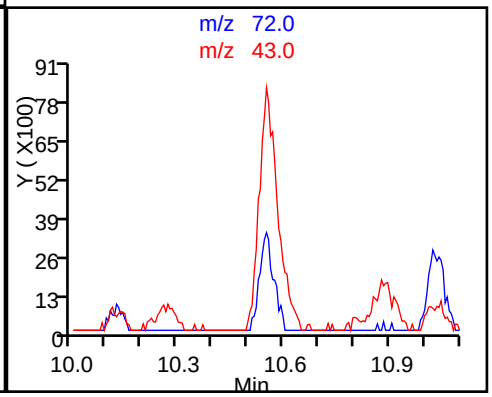












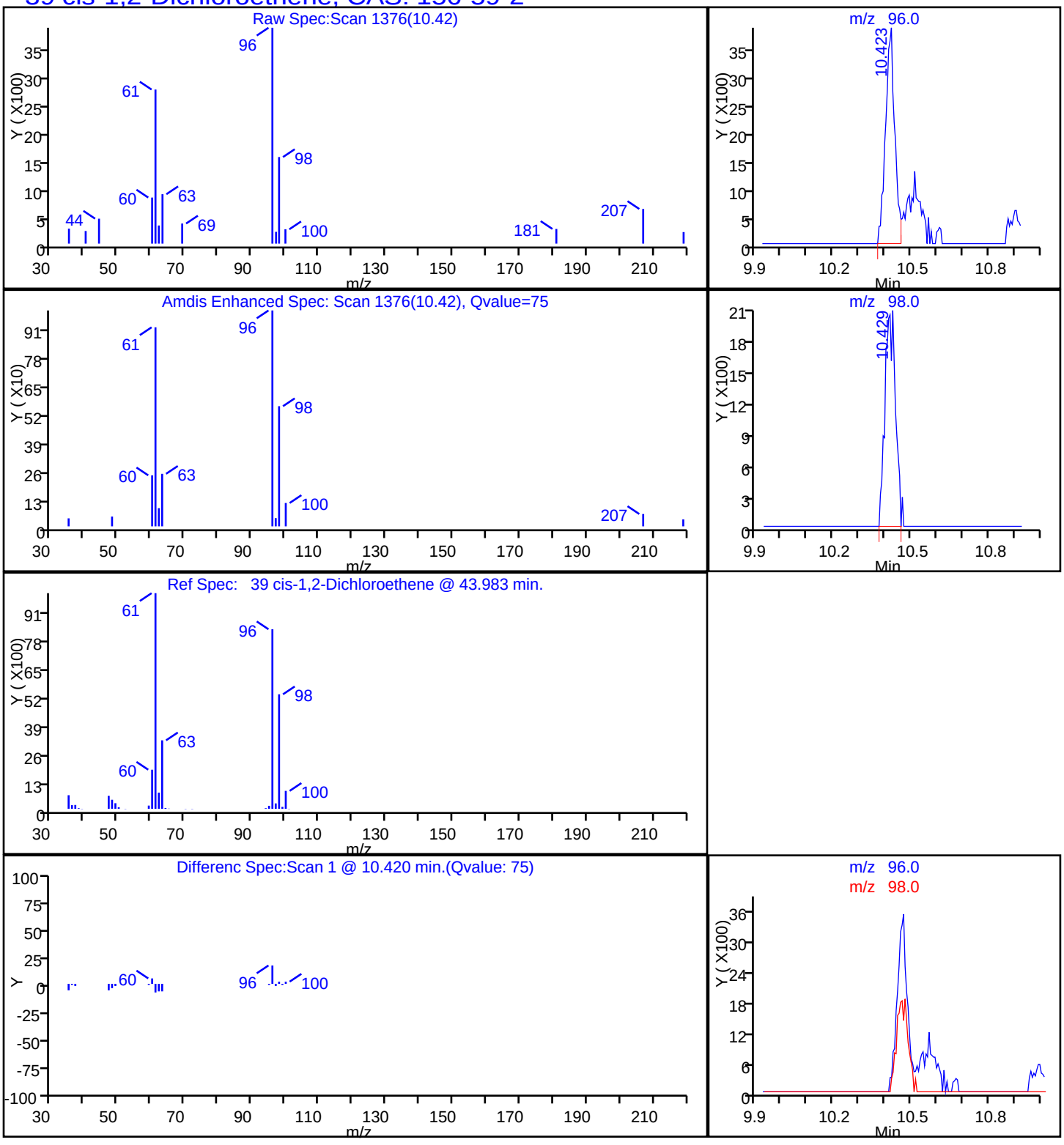
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2



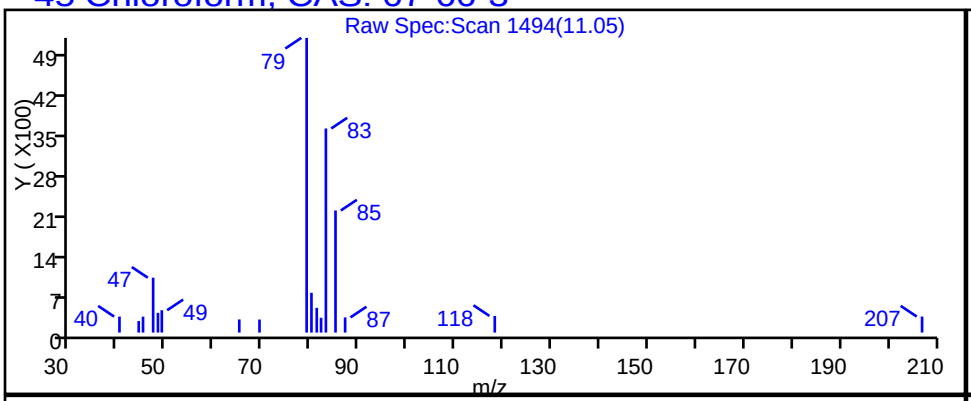
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

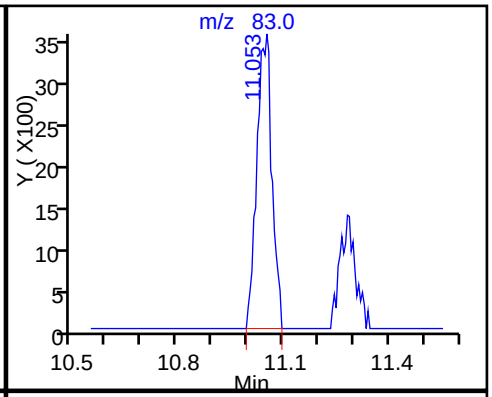
TestAmerica Burlington

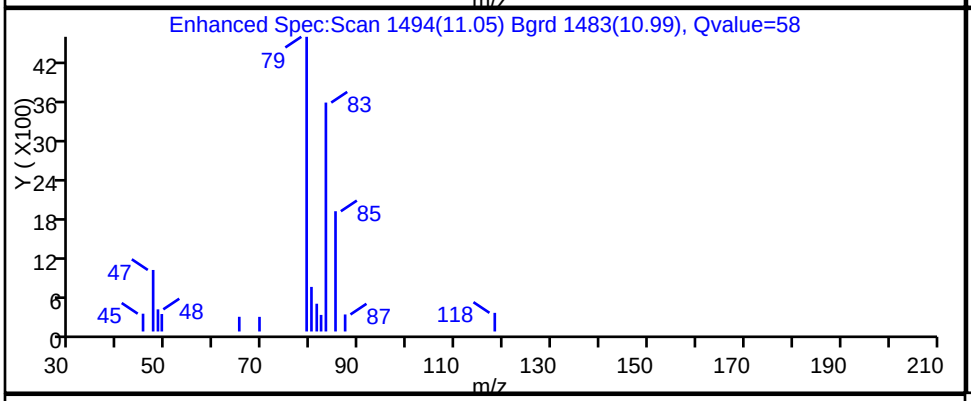
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

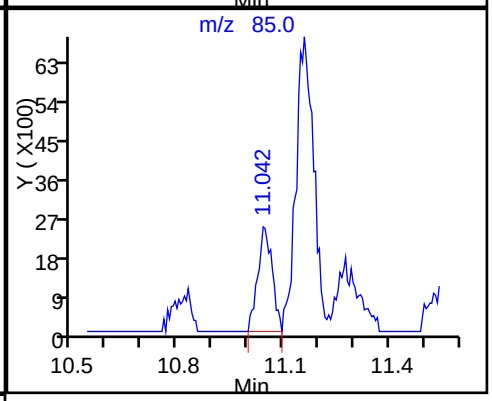
Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

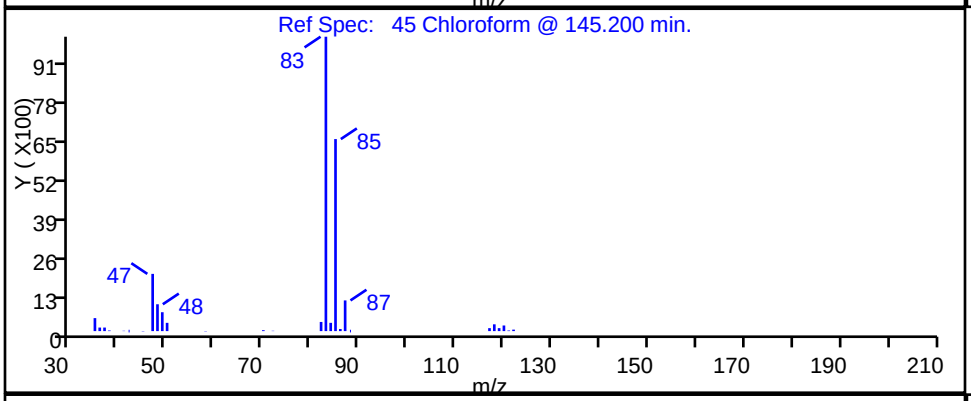
45 Chloroform, CAS: 67-66-3

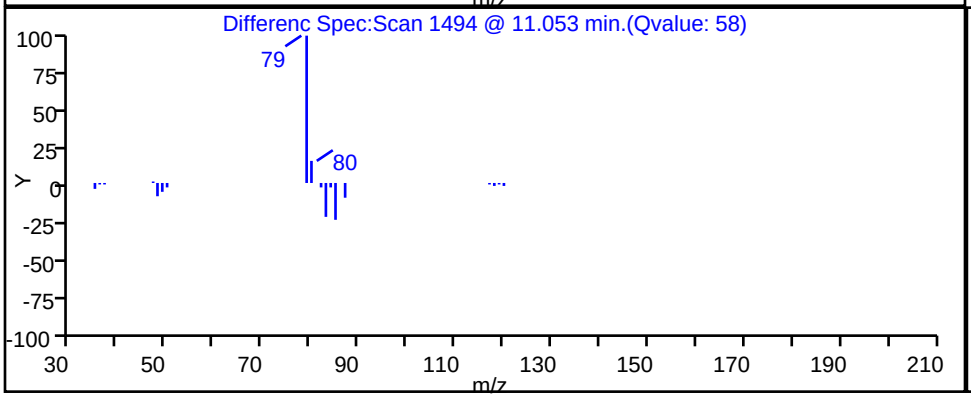


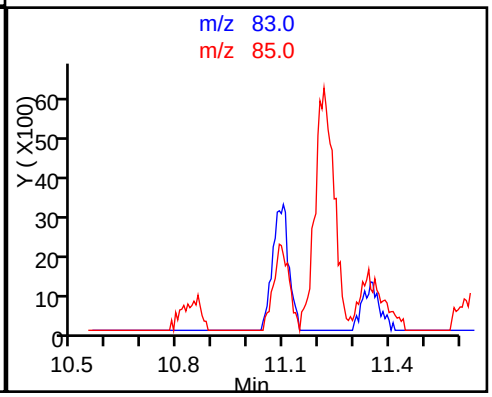












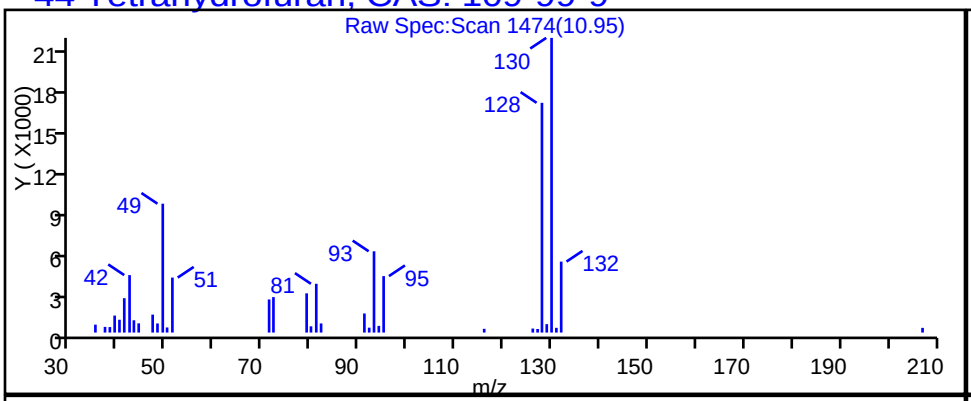
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

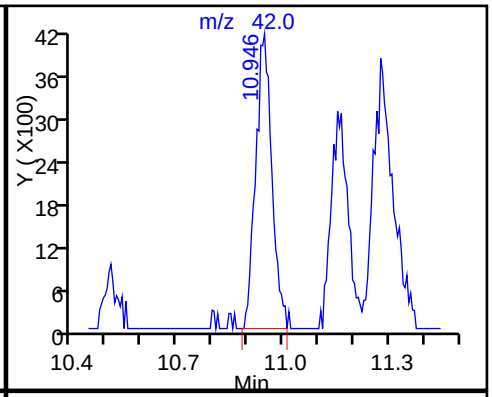
TestAmerica Burlington

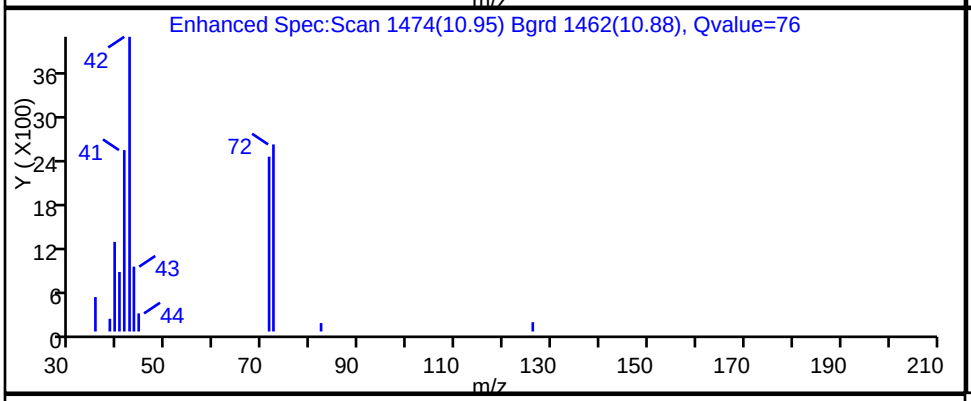
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

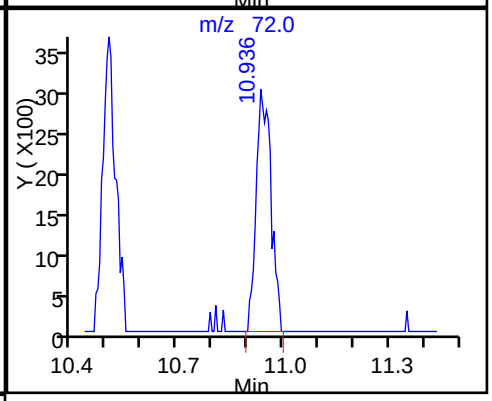
Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

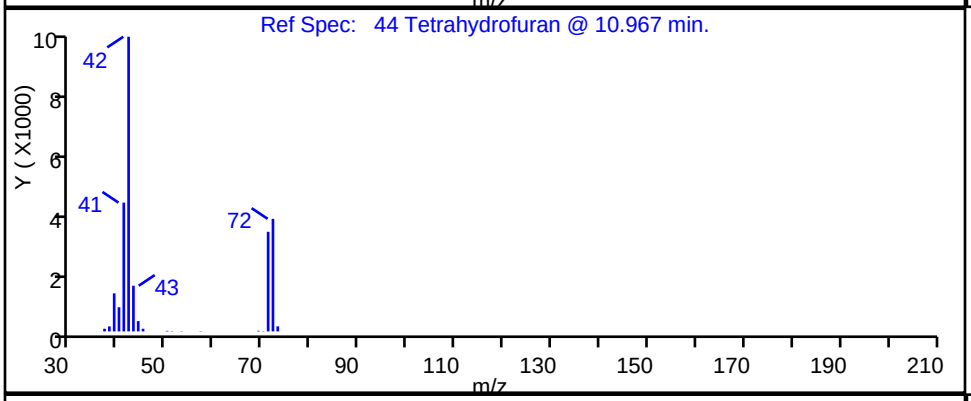
44 Tetrahydrofuran, CAS: 109-99-9

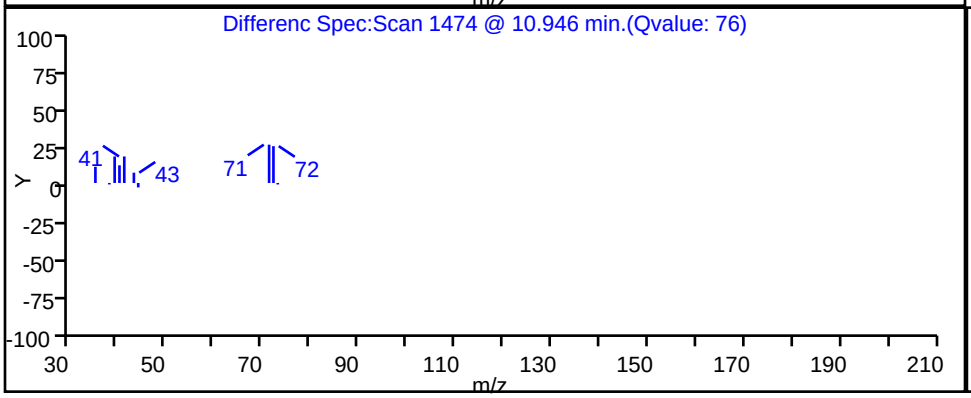


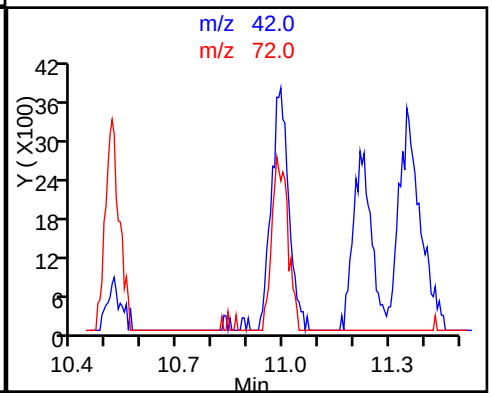












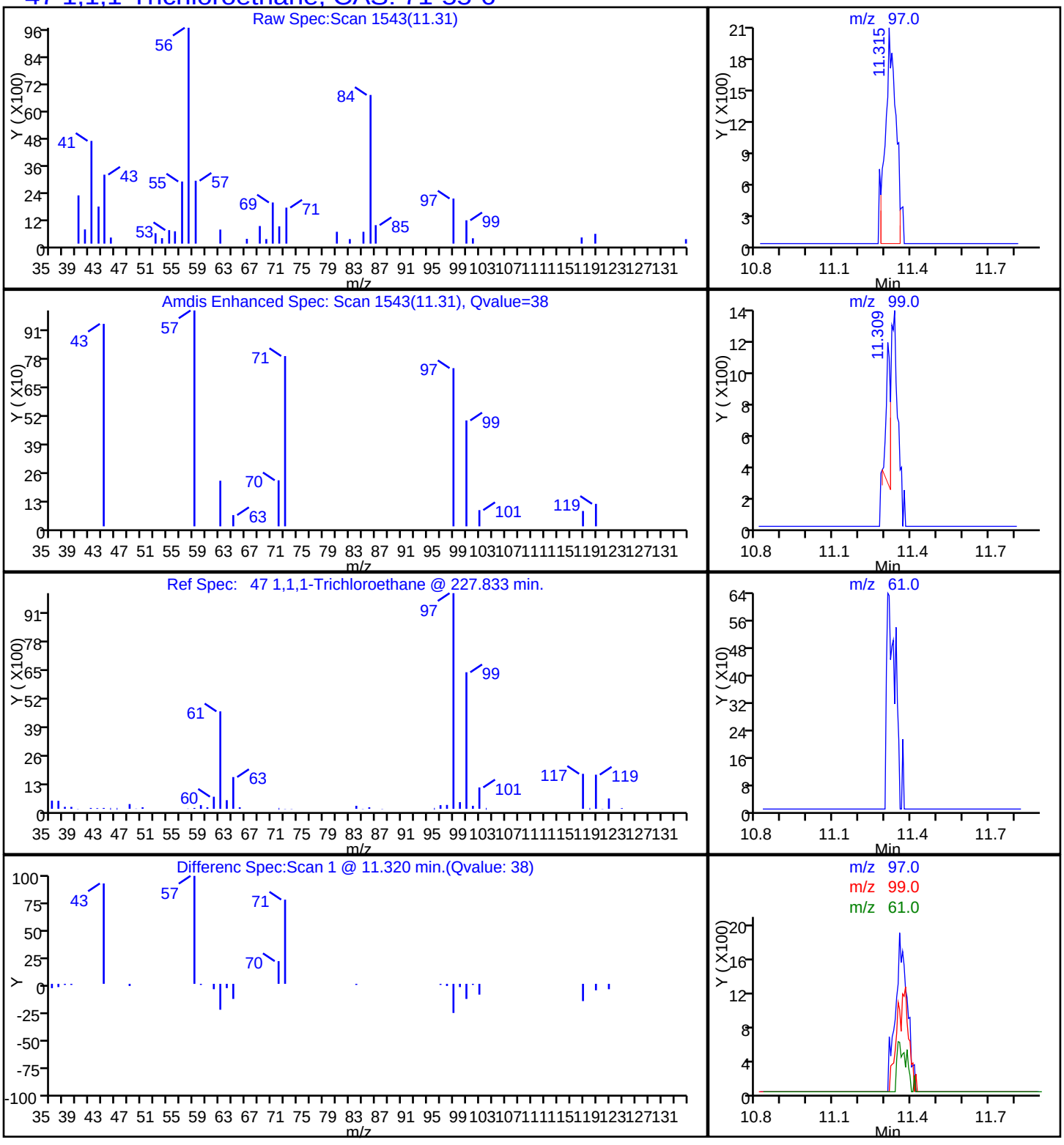
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



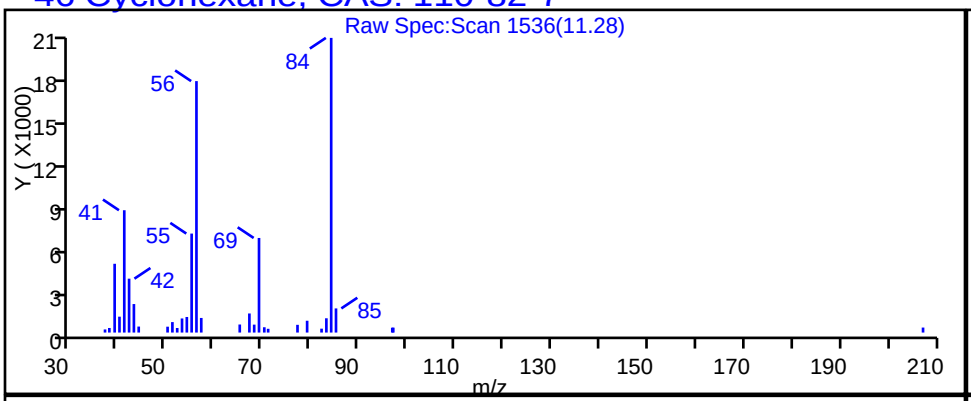
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

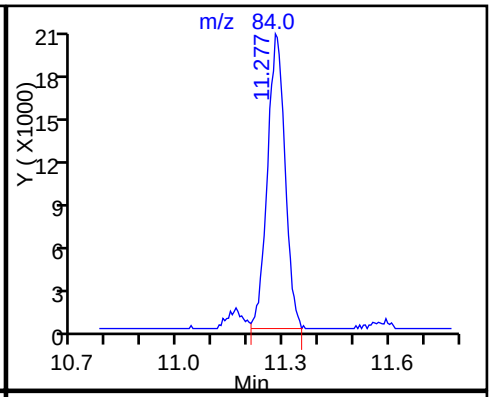
TestAmerica Burlington

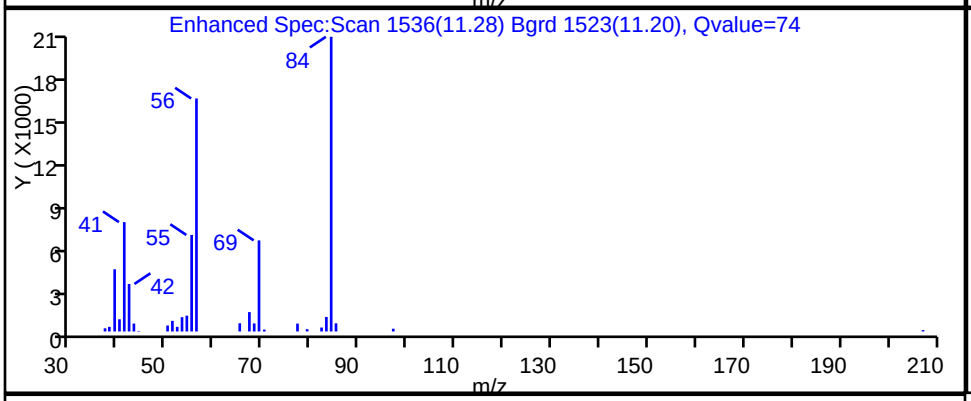
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

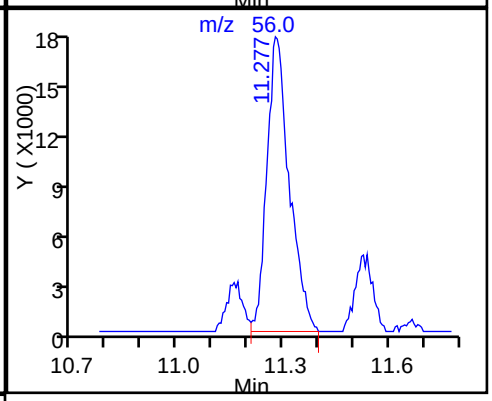
Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

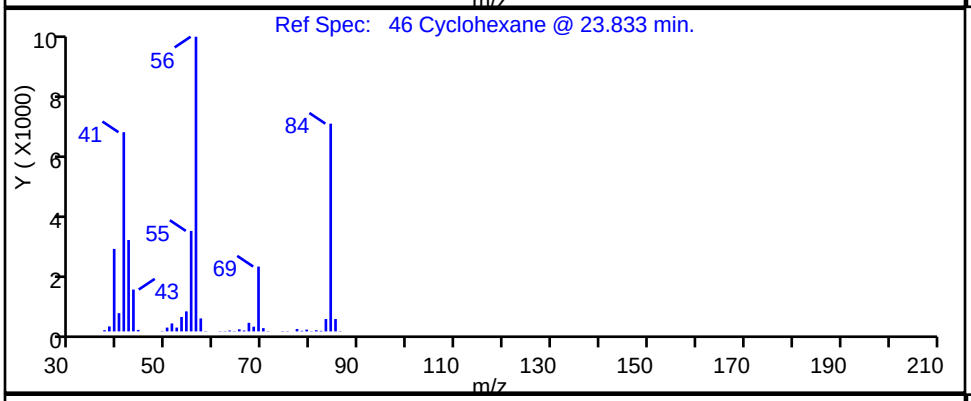
46 Cyclohexane, CAS: 110-82-7

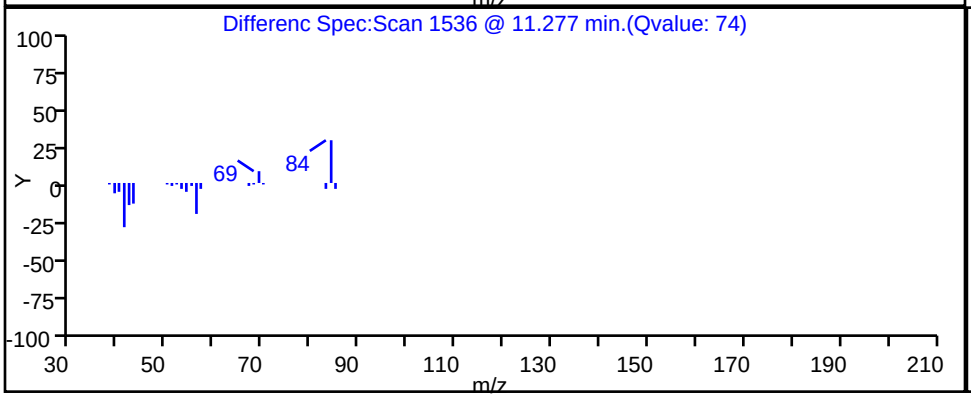


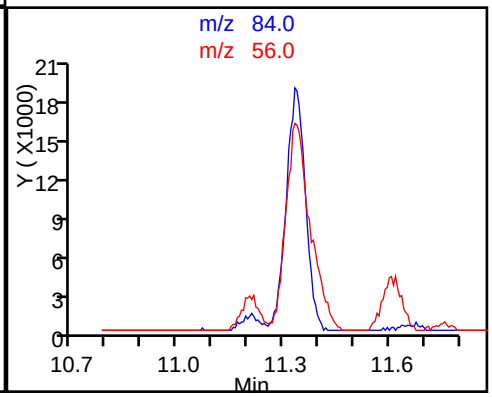












Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date: 10-Apr-2014 21:13:30 Instrument ID: CHC.i

Lims ID: 200-21727-A-4 Lab Sample ID: 200-21727-4

Client ID: SDS-3

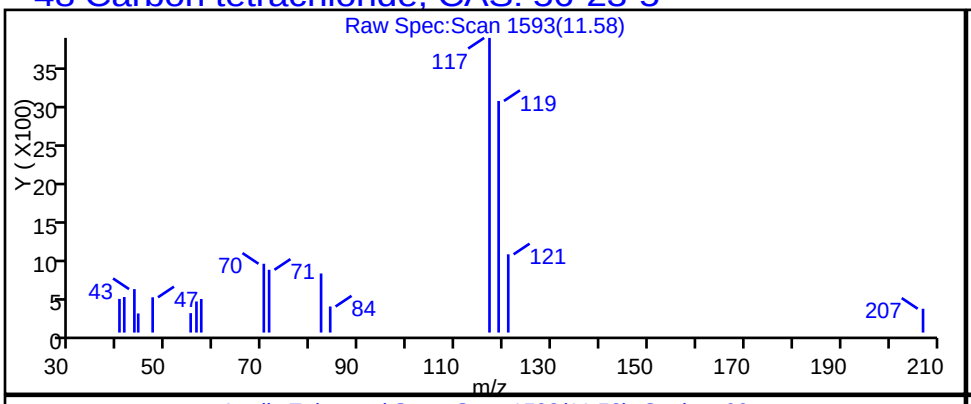
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 10

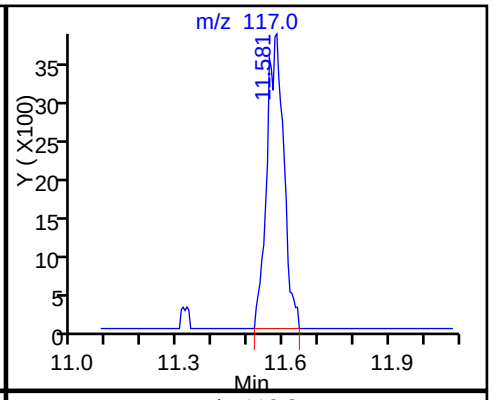
Purge Vol: 200.000 mL Dil. Factor: 1.0000

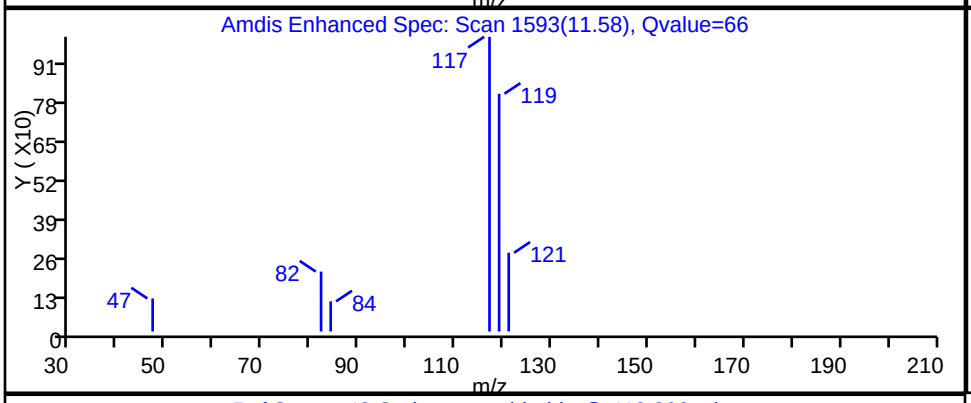
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL

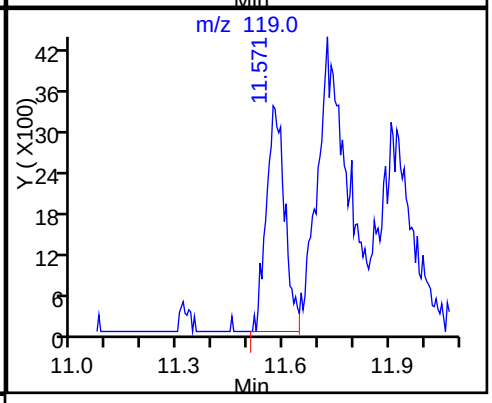
Column: RTX-624 (0.32 mm) Detector MS SCAN

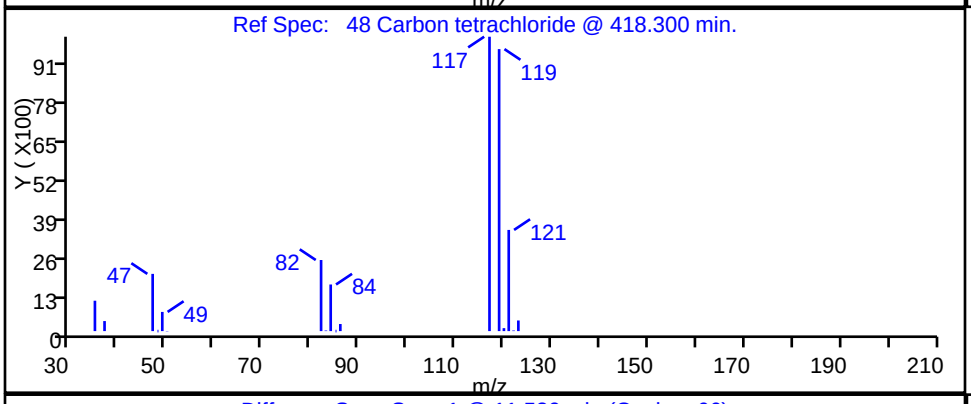
48 Carbon tetrachloride, CAS: 56-23-5

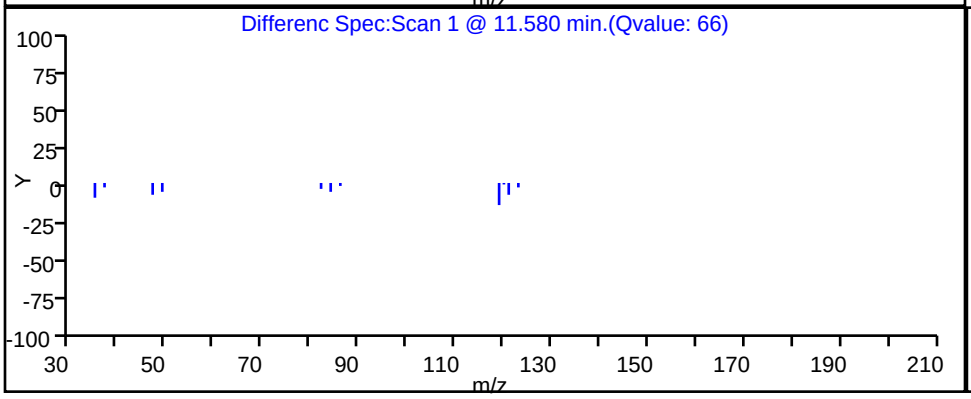


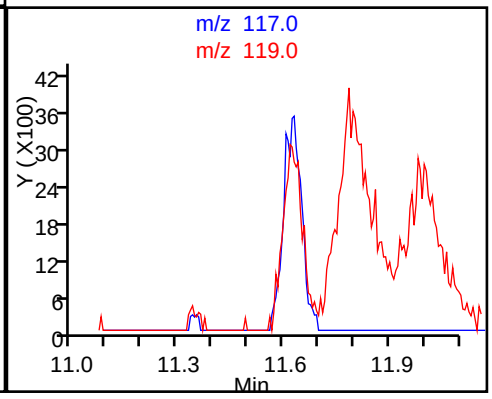












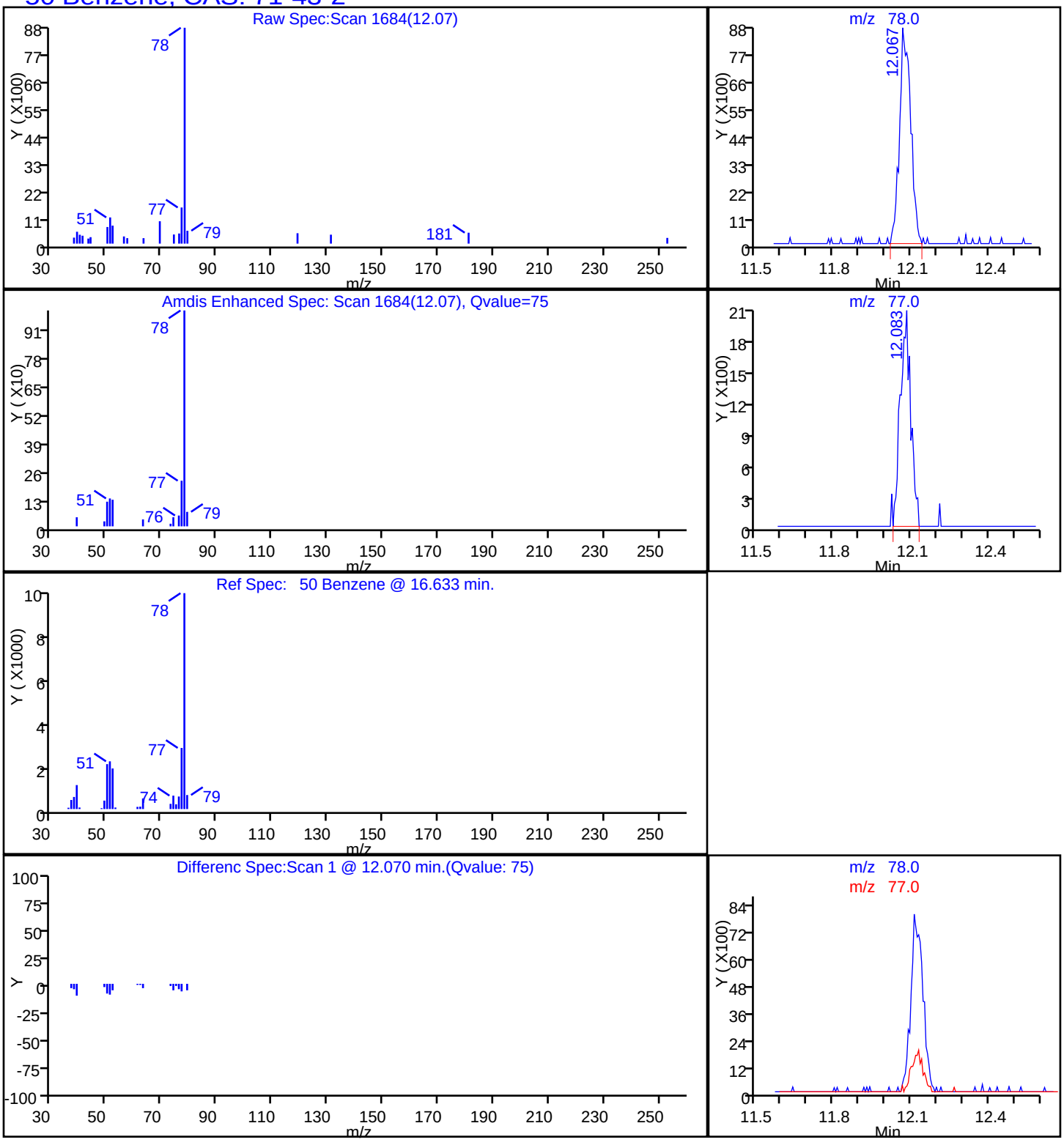
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



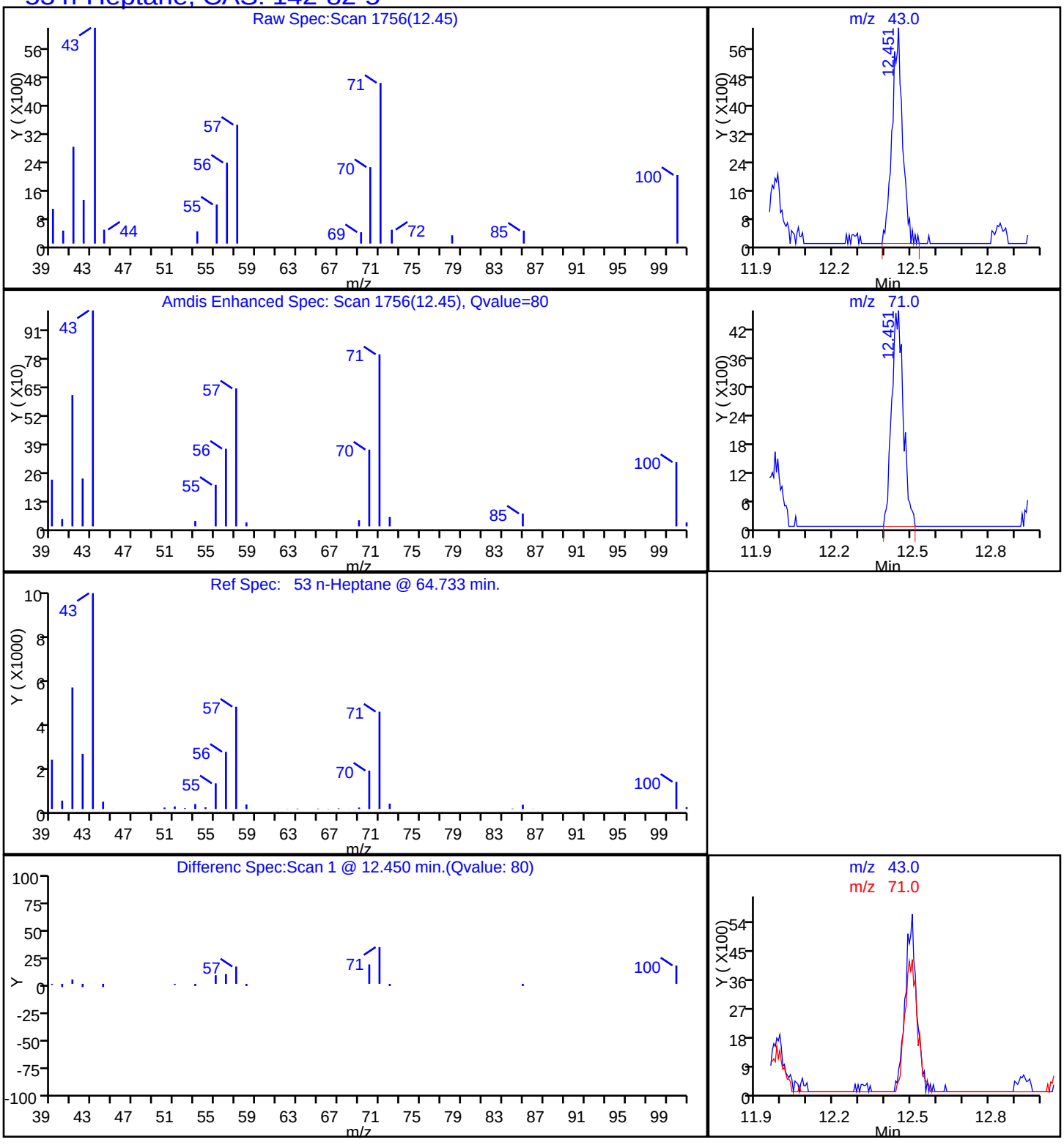
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5



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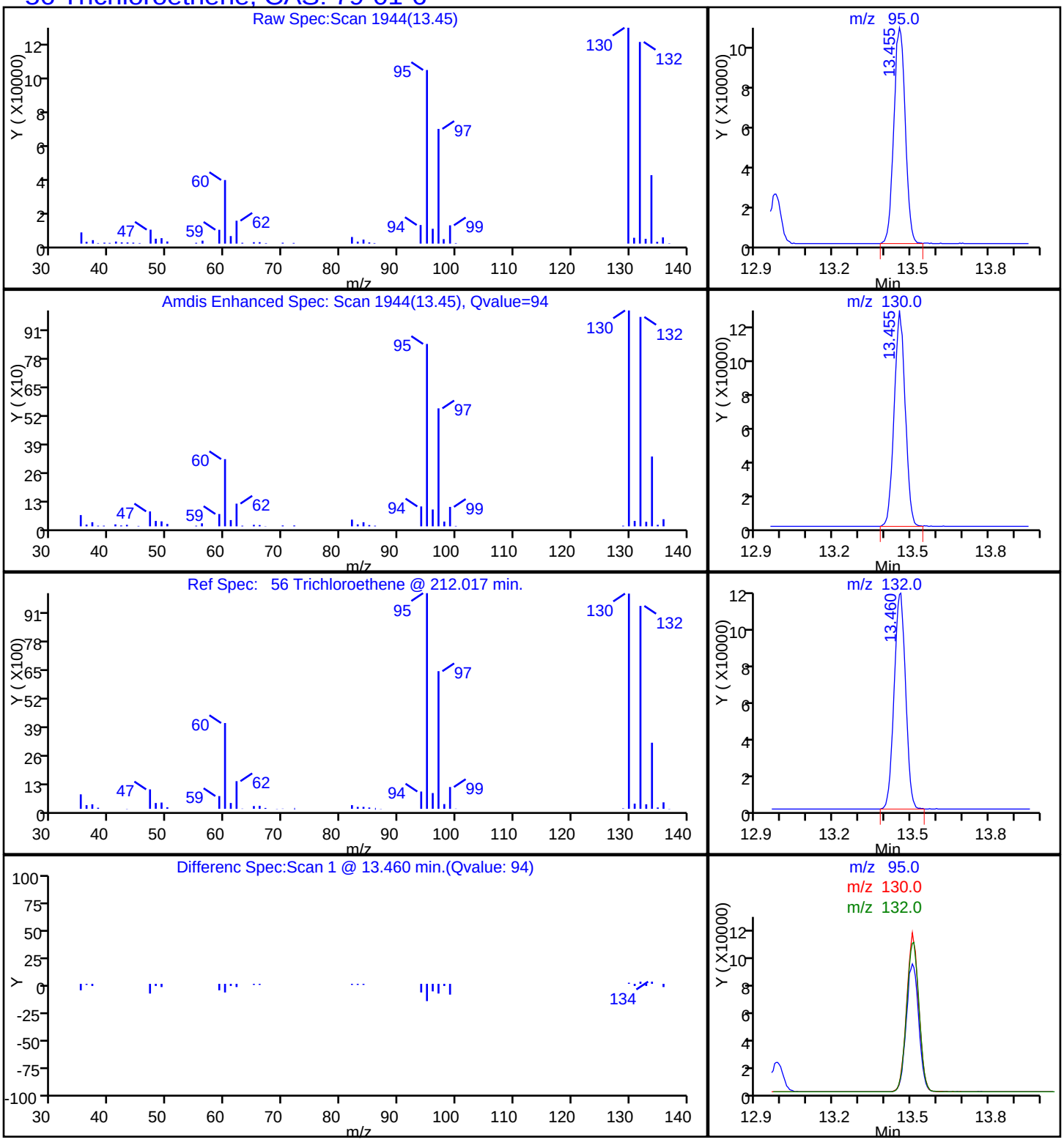
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



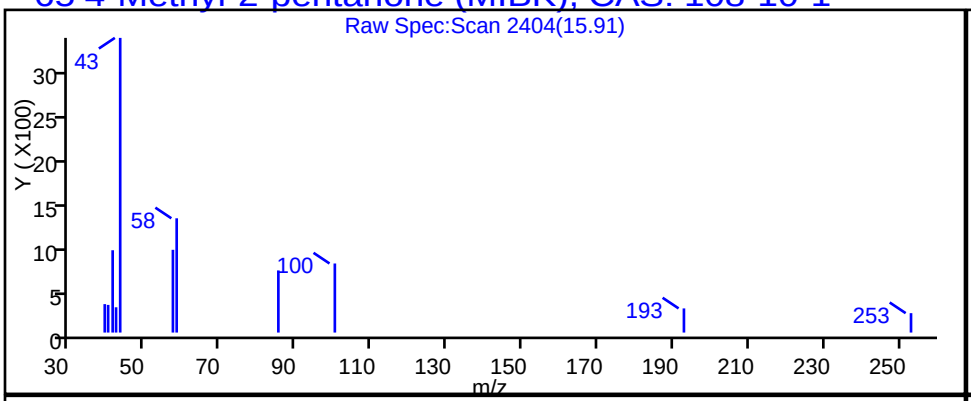
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

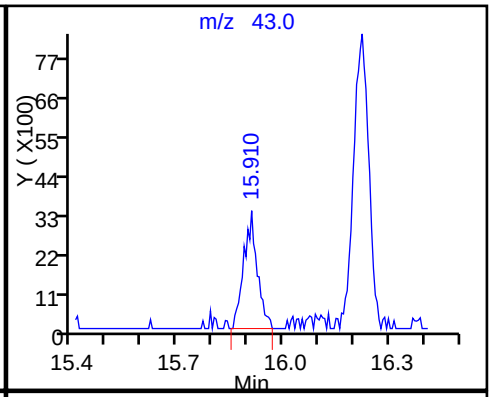
TestAmerica Burlington

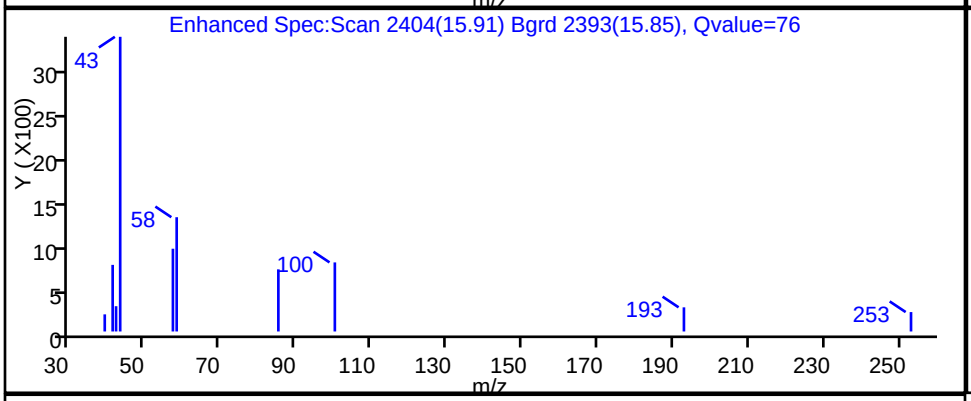
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

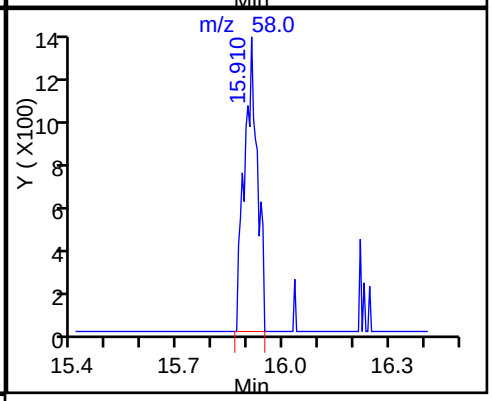
Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

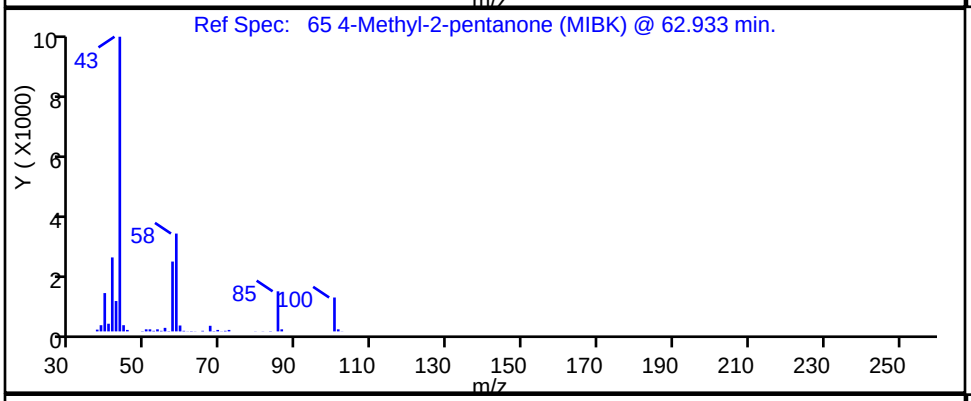
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

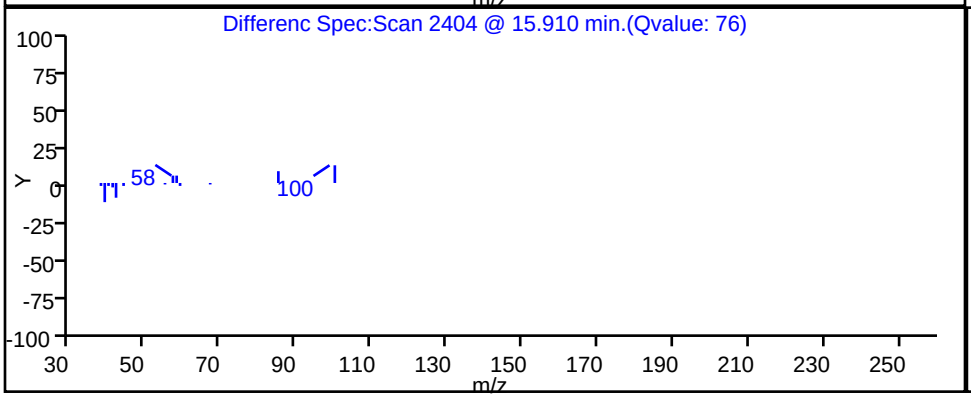


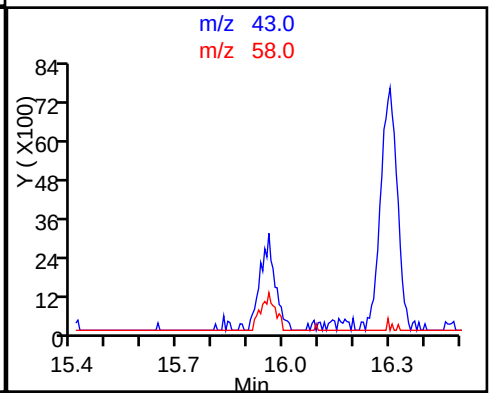












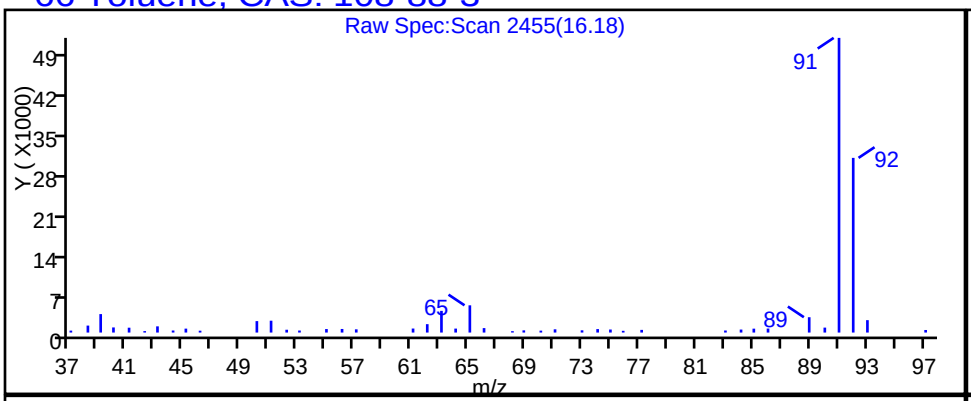
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

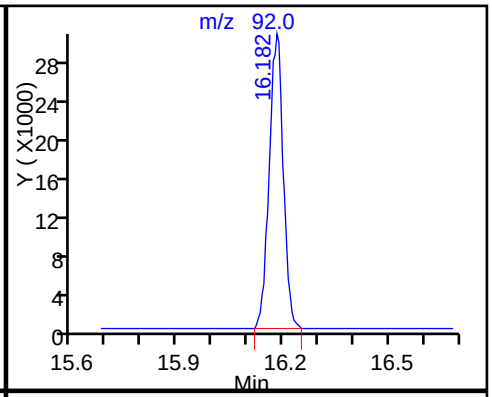
TestAmerica Burlington

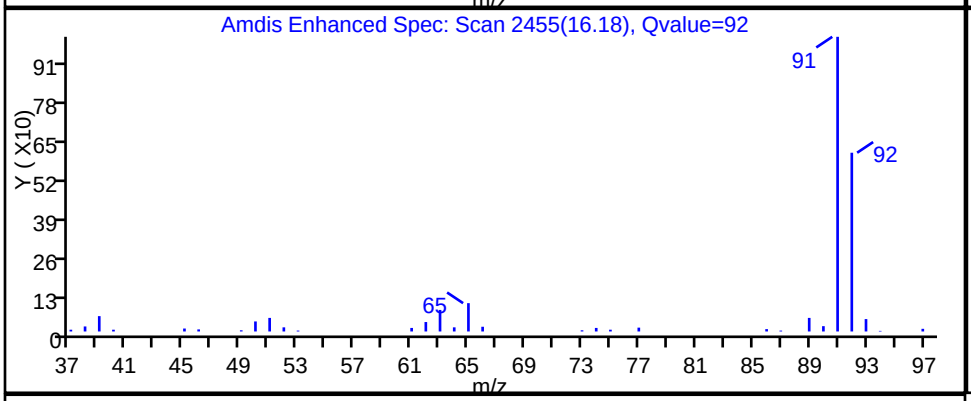
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

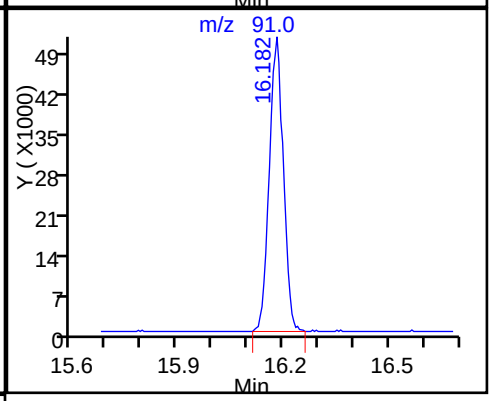
Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

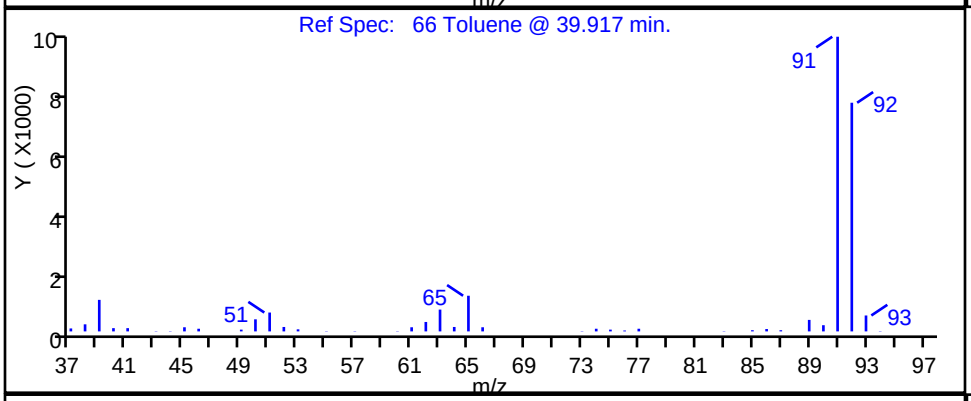
66 Toluene, CAS: 108-88-3

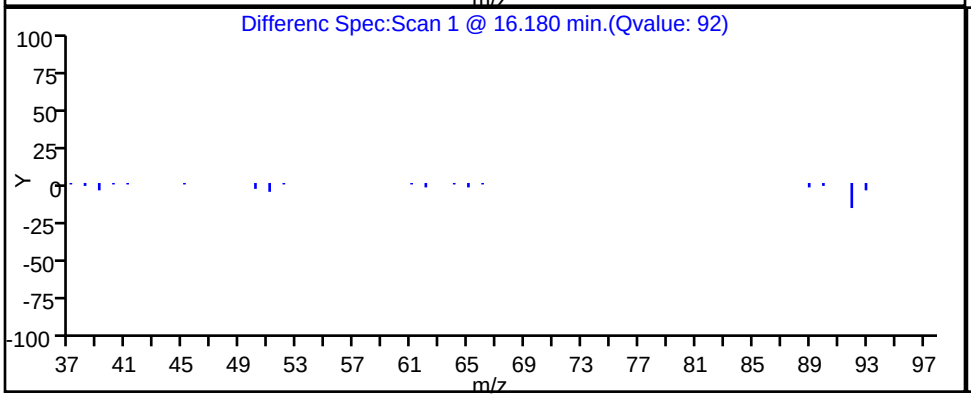


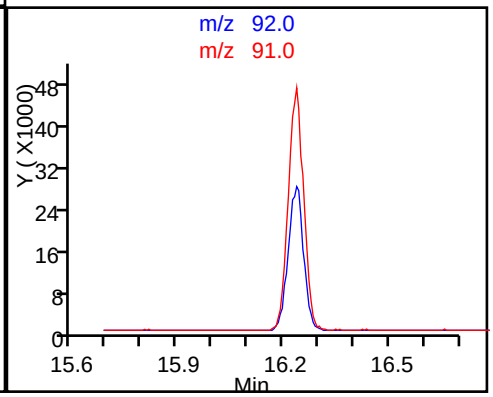












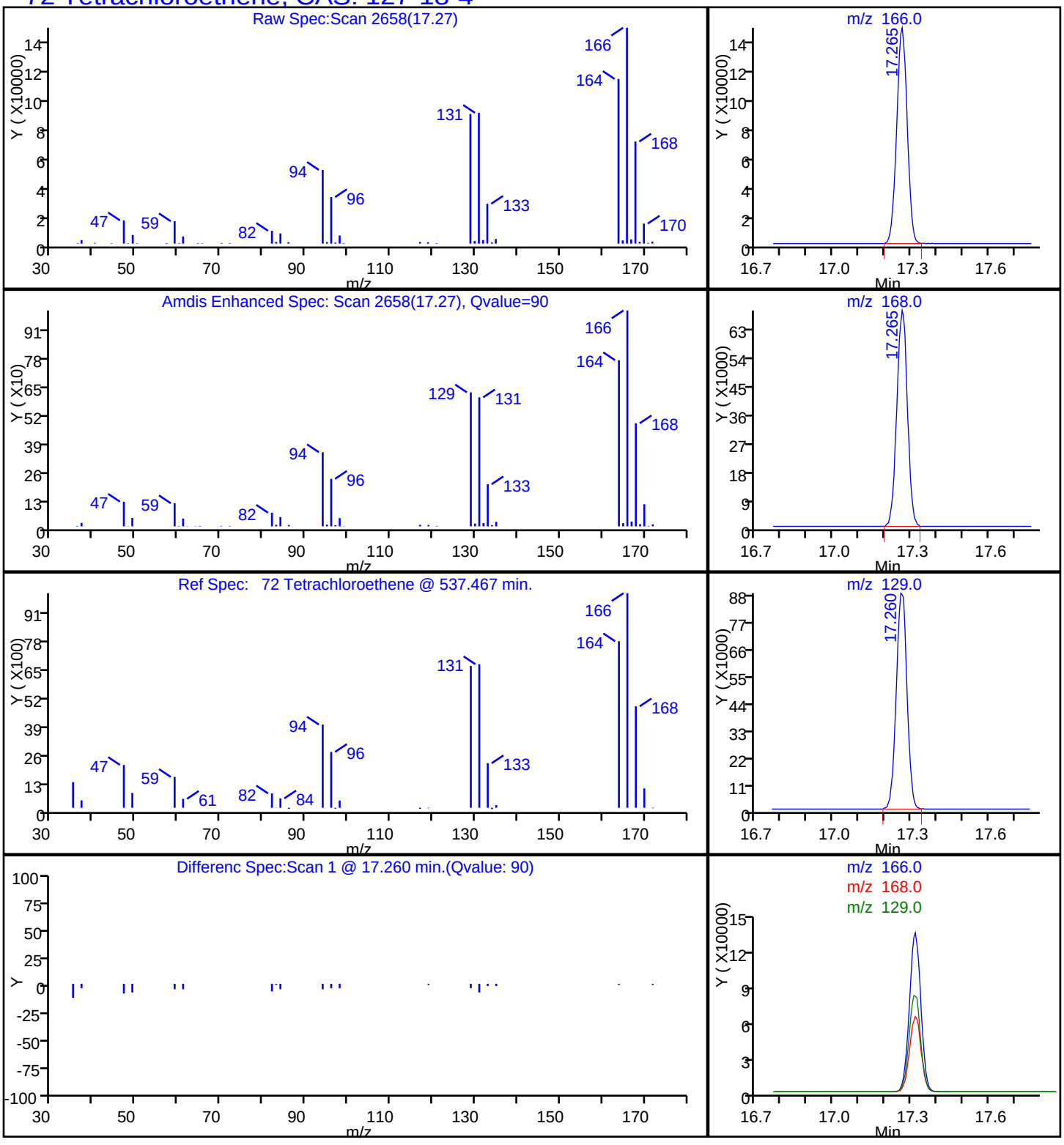
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



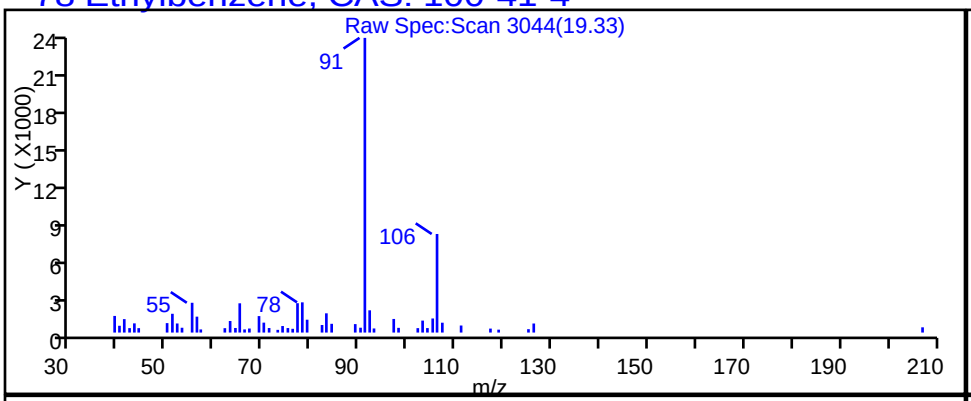
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

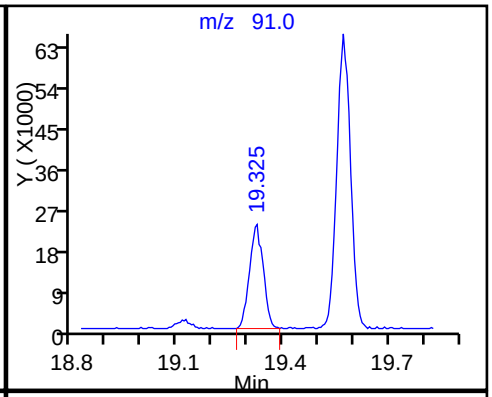
TestAmerica Burlington

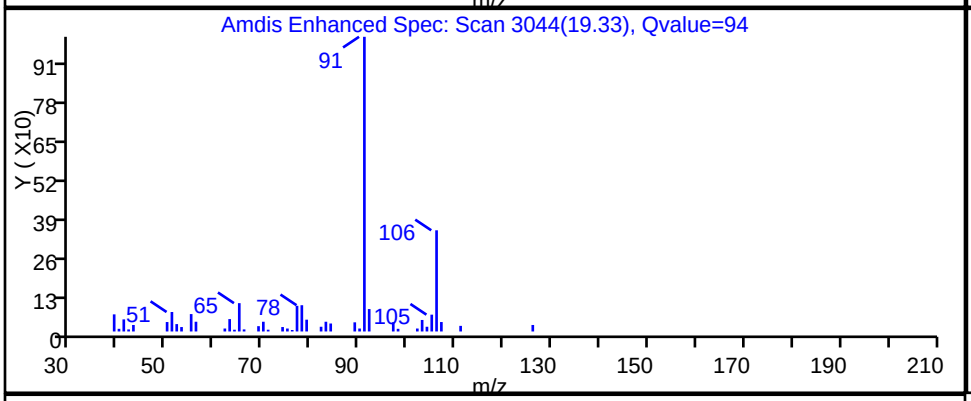
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

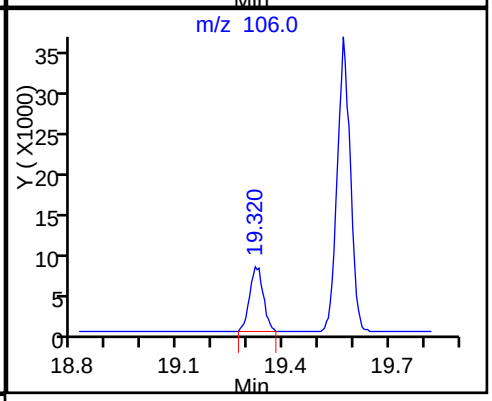
Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

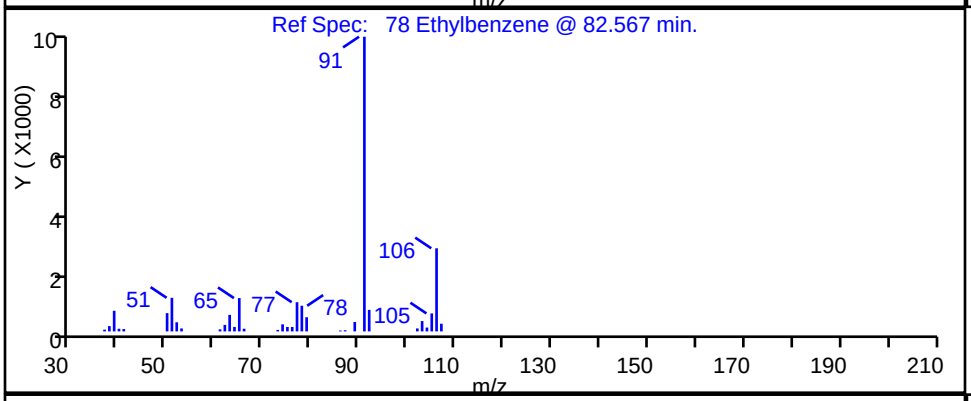
78 Ethylbenzene, CAS: 100-41-4

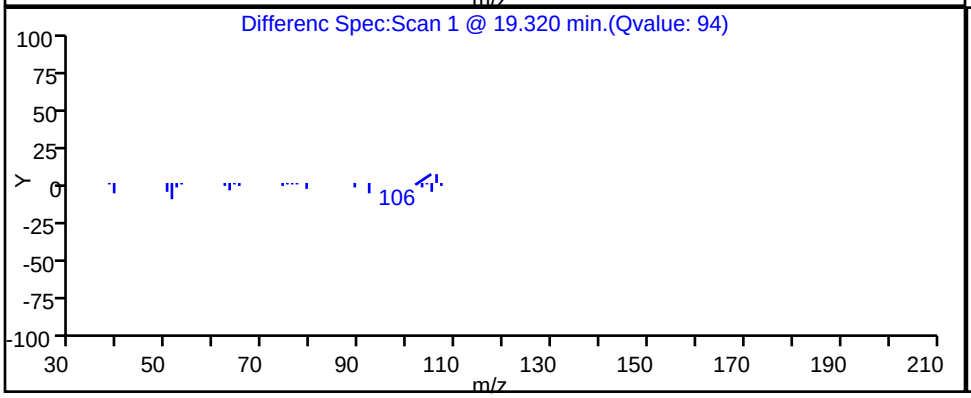


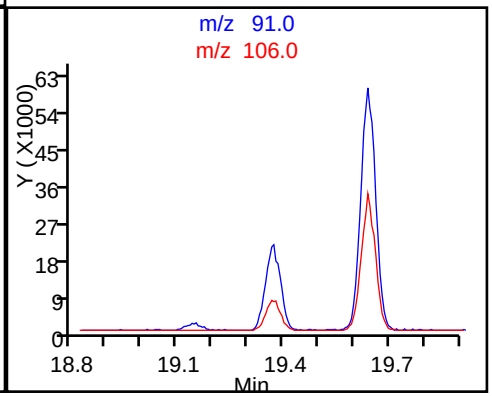










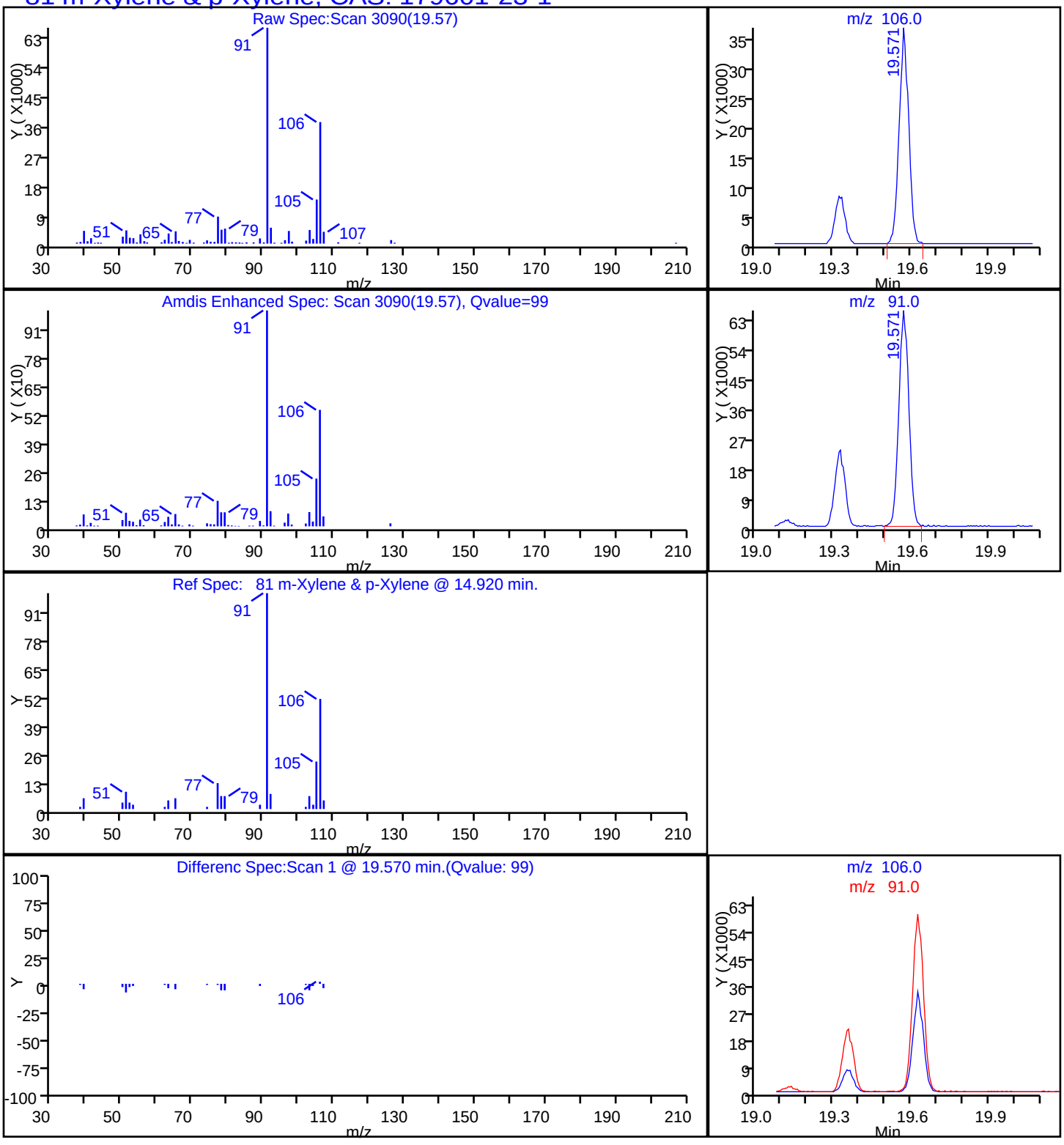


Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D				
Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



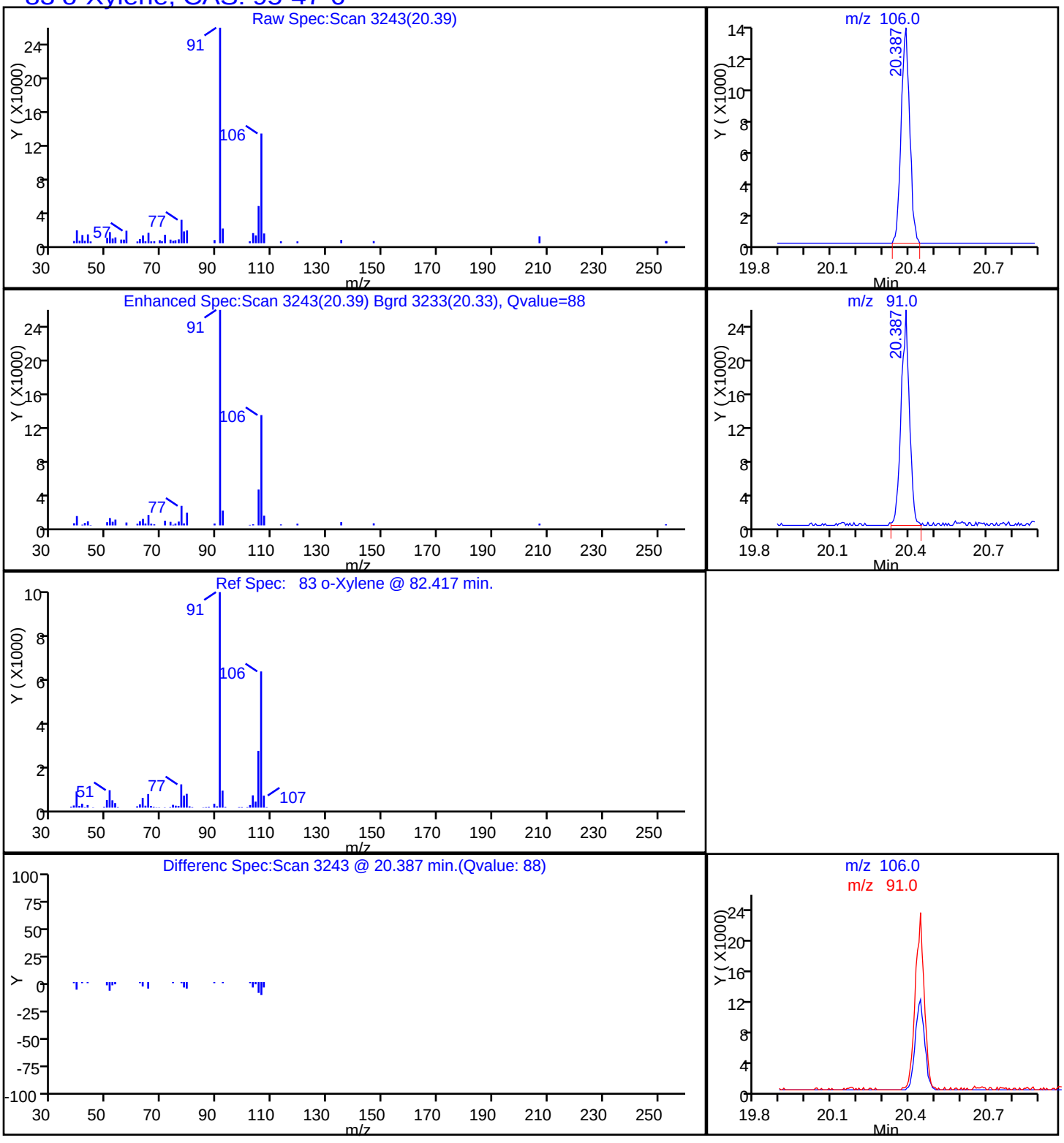
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



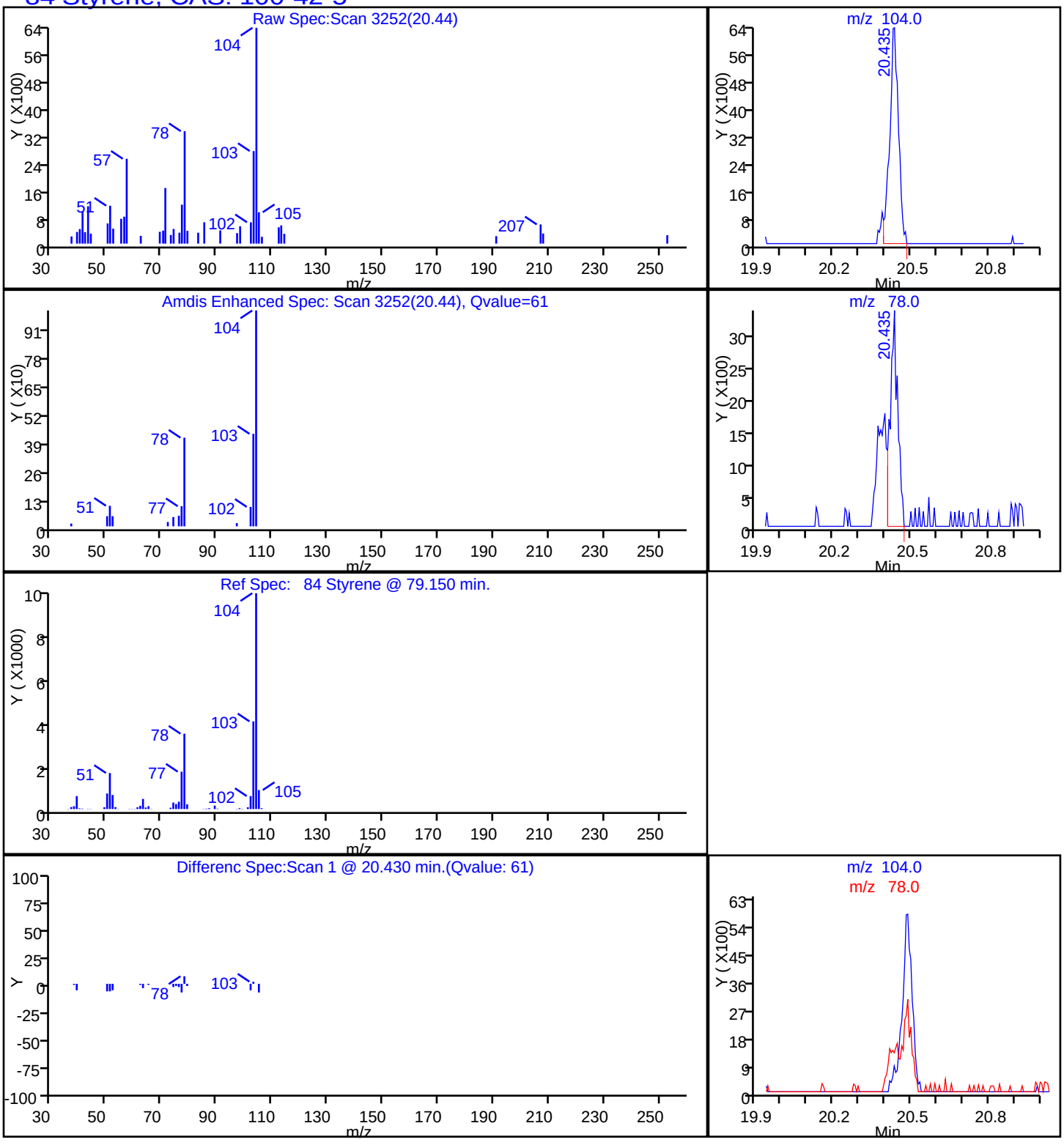
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5



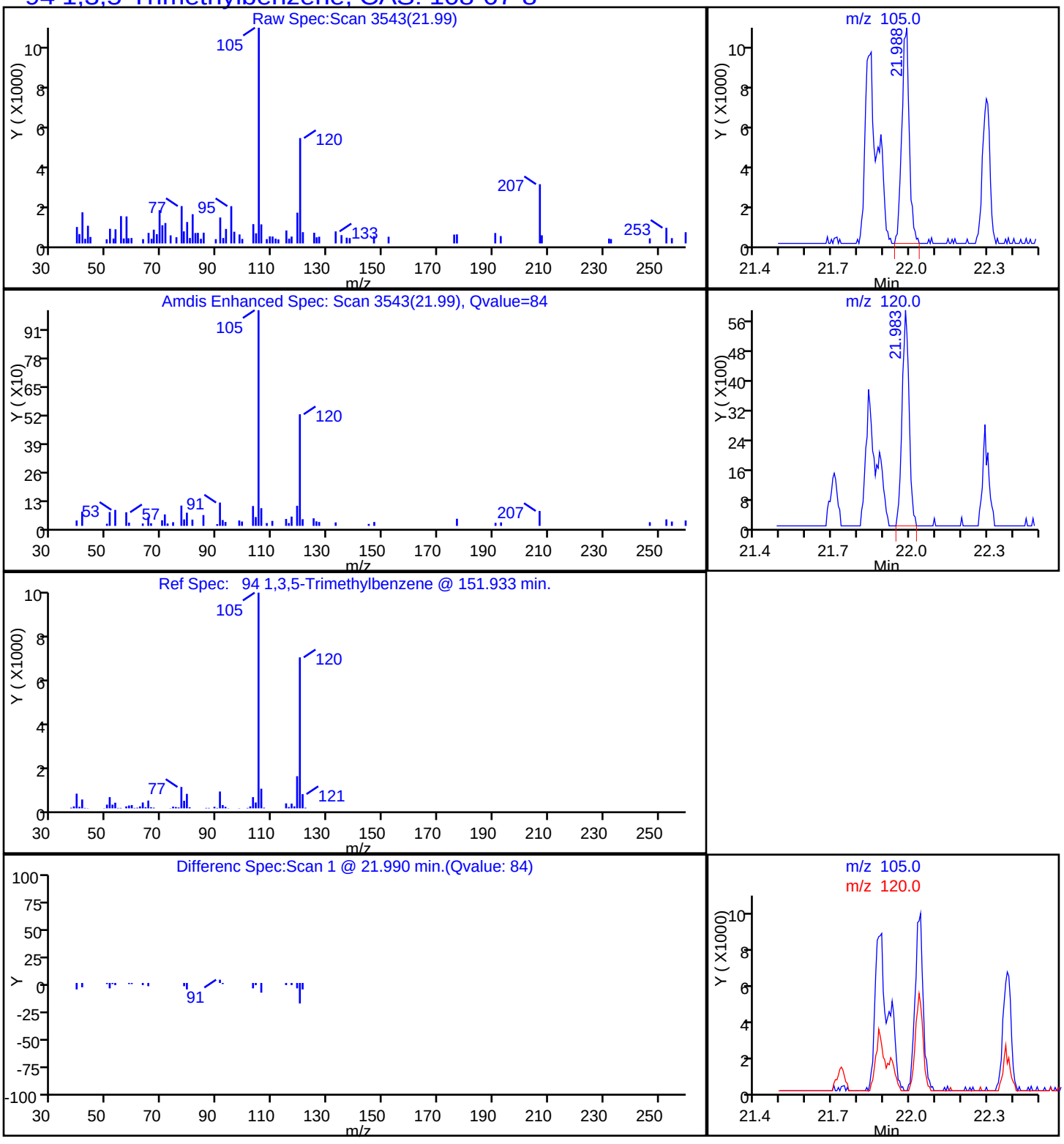
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 1,3,5-Trimethylbenzene, CAS: 108-67-8



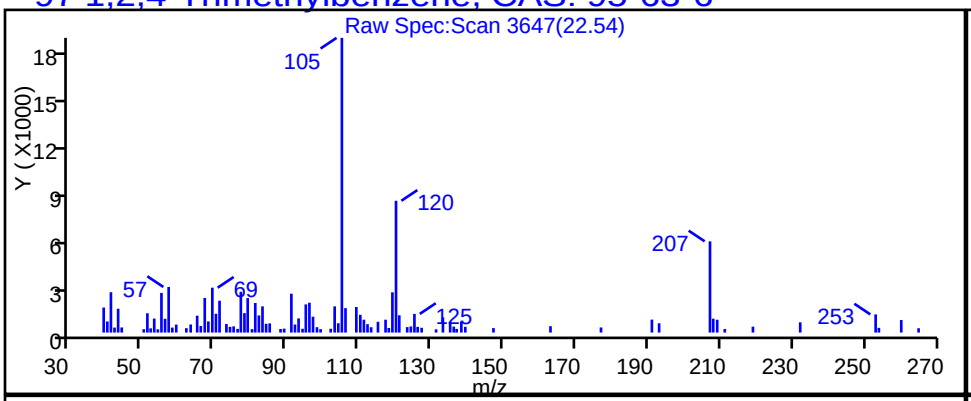
Report Date: 11-Apr-2014 10:48:07 Chrom Revision: 2.2 10-Apr-2014 15:11:30

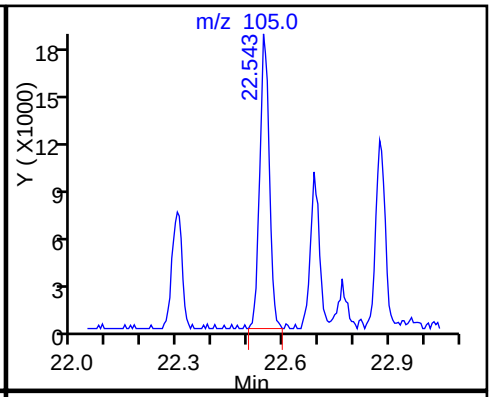
TestAmerica Burlington

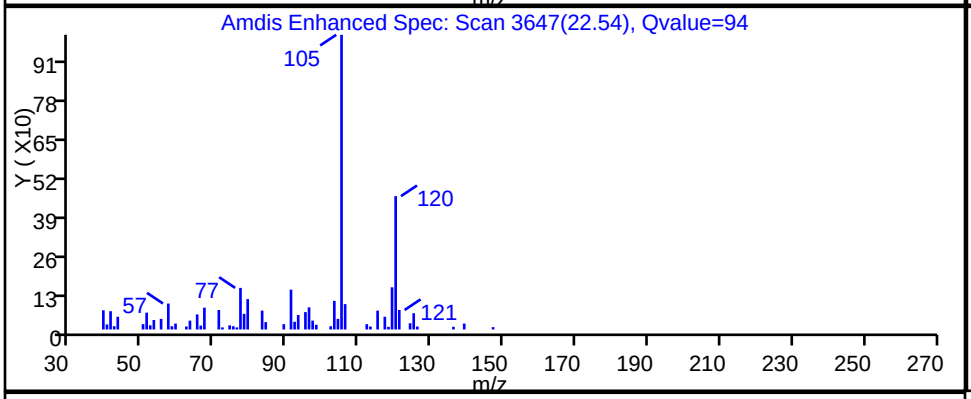
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D

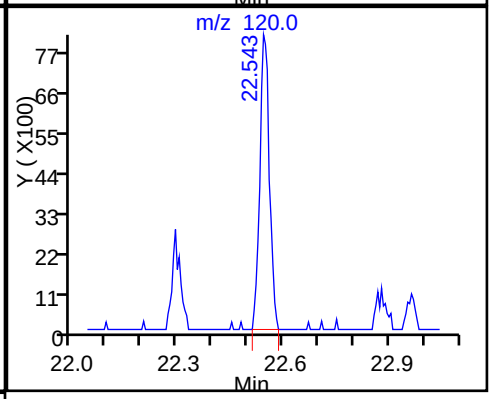
Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

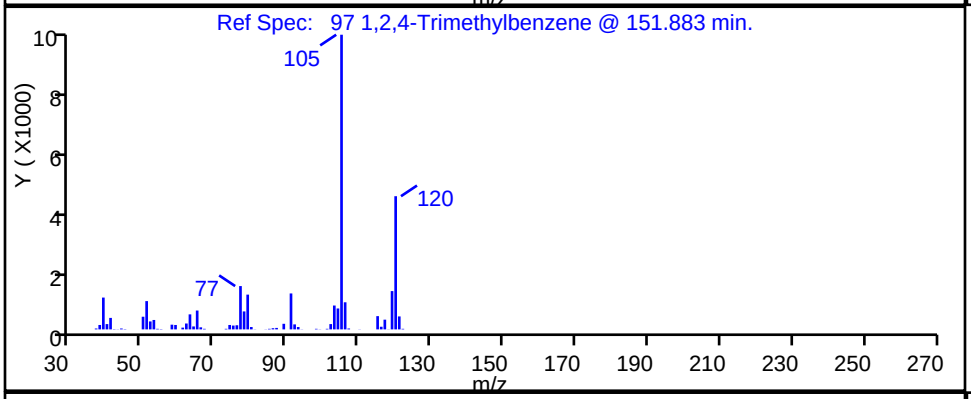
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

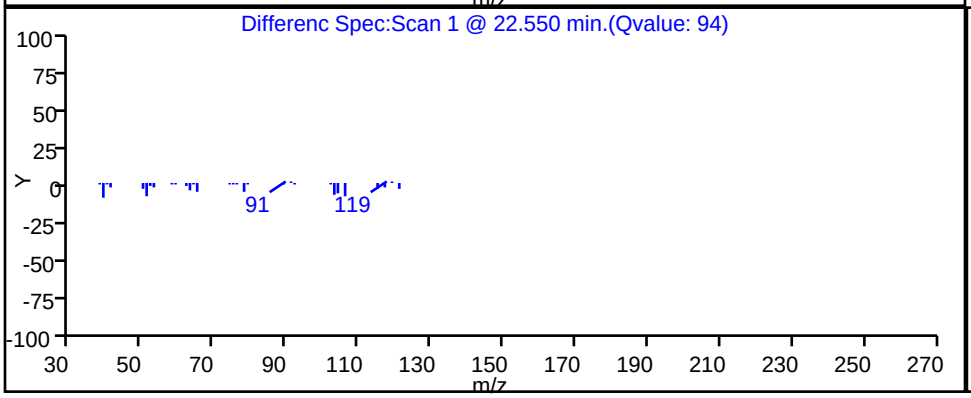


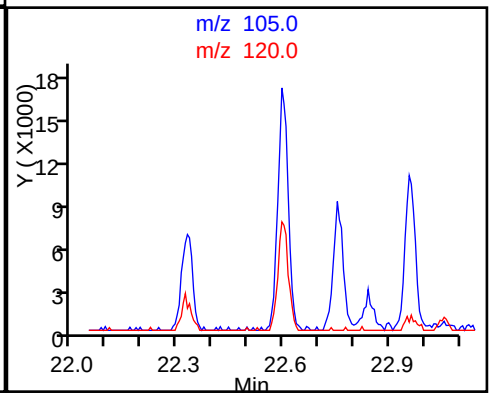












Manual Integration/User Assign Peak Report

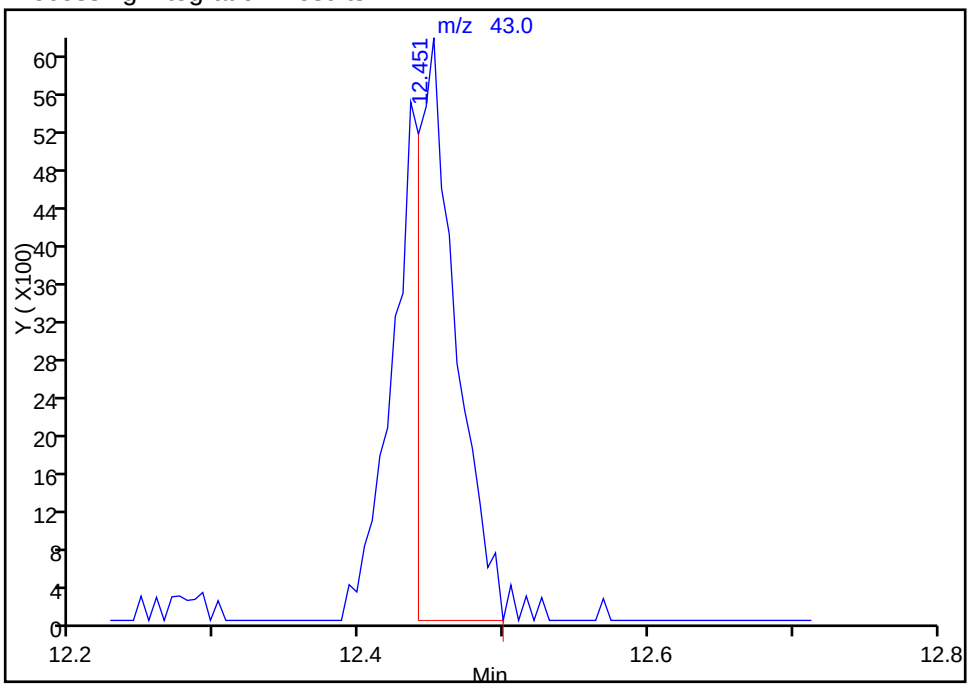
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_10.D				
Injection Date:	10-Apr-2014 21:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-4	Lab Sample ID:	200-21727-4		
Client ID:	SDS-3				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

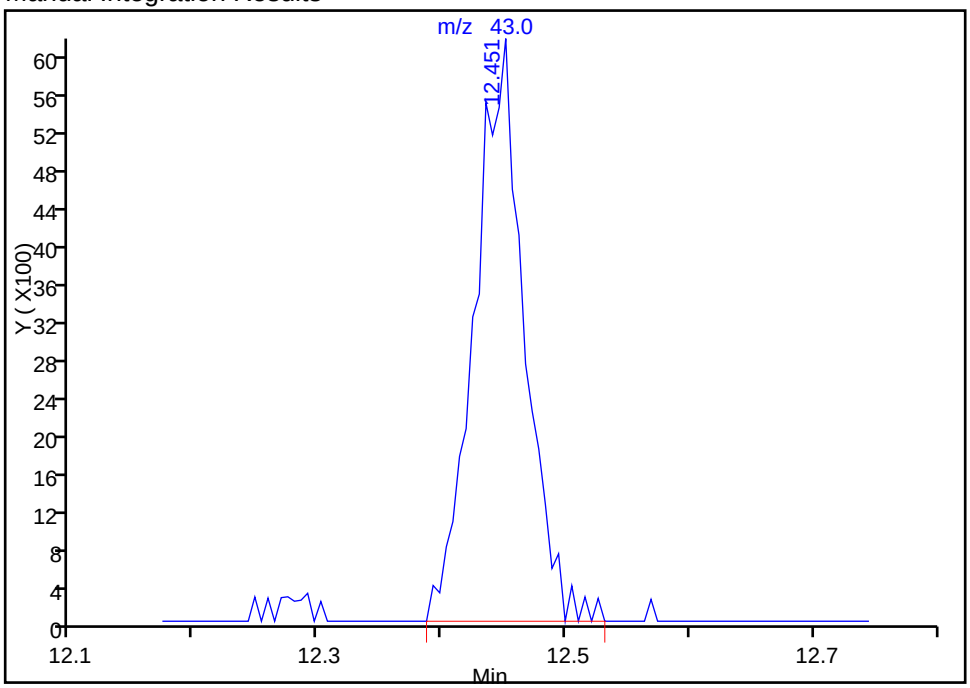
Processing Integration Results

RT: 12.45
Response: 11072
Amount: 0.186974



Manual Integration Results

RT: 12.45
Response: 17249
Amount: 0.291286



Reviewer: desjardinsb, 11-Apr-2014 10:48:06
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-1 Lab Sample ID: 200-21727-5

Matrix: Air Lab File ID: 6977_11.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:55

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 22:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	5.6		0.50	0.030
75-45-6	Freon 22	86.47	0.30	J	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.16	J	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.72		0.20	0.030
76-13-1	Freon 113	187.38	0.12	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.0		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	11		5.0	0.22
75-15-0	Carbon disulfide	76.14	2.1		0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	1.1		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	1.3		0.20	0.029
110-54-3	Hexane	86.17	0.051	J	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	1.3		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	1.9		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	3.2		0.20	0.064
67-66-3	Chloroform	119.38	0.14	J	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.031	J	0.20	0.021
110-82-7	Cyclohexane	84.16	4.4		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.069		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.072	J	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-1 Lab Sample ID: 200-21727-5

Matrix: Air Lab File ID: 6977_11.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:55

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 22:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	5.1		0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.19	J	0.50	0.027
108-88-3	Toluene	92.14	0.50		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	*Tetrachloroethene*	*165.83*	*100*	*E*	*0.20*	*0.016*
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.24		0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.78		0.50	0.023
95-47-6	Xylene, o-	106.17	0.21		0.20	0.016
1330-20-7	Xylene (total)	106.17	0.99		0.20	0.034
100-42-5	Styrene	104.15	0.055	J	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.023	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.020	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.057	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.014	J	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-1 Lab Sample ID: 200-21727-5

Matrix: Air Lab File ID: 6977_11.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:55

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 22:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-1 Lab Sample ID: 200-21727-5

Matrix: Air Lab File ID: 6977_11.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:55

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 22:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	28		2.5	0.15
75-45-6	Freon 22	86.47	1.0	J	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	0.34	J	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	4.0		1.1	0.17
76-13-1	Freon 113	187.38	0.90	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12		12	3.0
67-63-0	Isopropyl alcohol	60.10	26		12	0.53
75-15-0	Carbon disulfide	76.14	6.4		1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	3.8		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	5.2		0.79	0.11
110-54-3	Hexane	86.17	0.18	J	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	3.9		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	7.4		0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	13		0.79	0.25
67-66-3	Chloroform	119.38	0.67	J	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	0.17	J	1.1	0.11
110-82-7	Cyclohexane	84.16	15		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.43		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.23	J	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-1 Lab Sample ID: 200-21727-5

Matrix: Air Lab File ID: 6977_11.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:55

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 22:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	27		0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.78	J	2.0	0.11
108-88-3	Toluene	92.14	1.9		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	*Tetrachloroethene*	*165.83*	*690*	*E*	*1.4*	*0.11*
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	1.0		0.87	0.056
179601-23-1	m,p-Xylene	106.17	3.4		2.2	0.10
95-47-6	Xylene, o-	106.17	0.93		0.87	0.069
1330-20-7	Xylene (total)	106.17	4.3		0.87	0.15
100-42-5	Styrene	104.15	0.24	J	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.11	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.099	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.28	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	0.085	J	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-1 Lab Sample ID: 200-21727-5

Matrix: Air Lab File ID: 6977_11.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:55

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 22:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D
Lims ID: 200-21727-A-5 Lab Sample ID: 200-21727-5
Client ID: SDS-1
Sample Type: Client
Inject. Date: 10-Apr-2014 22:05:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006977-011
Misc. Info.: 21727-5
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 10:51:52 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 10:51:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.256	3.256	0.000	88	724661	5.61	
6 Chlorodifluoromethane	51	3.320	3.315	0.005	88	12861	0.2960	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50	3.699	3.699	0.000	57	3470	0.1623	
9 Butane	43		3.912					
10 Vinyl chloride	62	3.960	3.966	-0.006	20	971	0.0299	
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.049					
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101	5.567	5.567	0.000	94	114931	0.7176	
23 1,1,2-Trichloro-1,2,2-trif	101	6.709	6.714	-0.005	79	11300	0.1169	
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43	7.034	7.034	0.000	88	187846	5.04	
26 Carbon disulfide	76	7.141	7.141	0.000	98	189488	2.06	
27 Isopropyl alcohol	45	7.360	7.355	0.005	98	290939	10.6	
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.894	7.894	0.000	65	29699	1.10	
32 2-Methyl-2-propanol	59		8.155					
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61	8.337	8.342	-0.005	73	59175	1.32	
36 Hexane	57	8.737	8.732	0.005	64	2166	0.0507	
37 1,1-Dichloroethane	63	9.244	9.260	-0.016	2	1591	0.0249	
S 41 1,2-Dichloroethene, Total	61				0		3.20	
39 cis-1,2-Dichloroethene	96	10.418	10.418	0.000	90	106454	1.88	
40 2-Butanone (MEK)	72	10.503	10.498	0.005	96	27888	1.32	
* 43 Chlorobromomethane	128	10.904	10.909	-0.005	65	501801	10.0	
44 Tetrahydrofuran	42		10.925					
45 Chloroform	83	11.048	11.048	0.000	82	16108	0.1368	M
46 Cyclohexane	84	11.277	11.283	-0.006	78	305362	4.43	
47 1,1,1-Trichloroethane	97	11.325	11.315	0.000	9	4553	0.0308	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.571	11.581	-0.010	75	12441	0.0691	
51 Isooctane	57		12.035					
50 Benzene	78	12.078	12.094	-0.005	62	11428	0.0724	M
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43		12.451					
* 54 1,4-Difluorobenzene	114	12.974	12.980	-0.006	91	2658086	10.0	
56 Trichloroethene	95	13.455	13.460	-0.005	94	494972	5.11	
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69		14.234					
60 1,4-Dioxane	88		14.303					
62 Dichlorobromomethane	83		14.629					
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43	15.904	15.894	0.010	81	16876	0.1913	
66 Toluene	92	16.182	16.182	0.000	92	78827	0.5035	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166	17.271	17.265	0.006	92	20531226	101.8	E
73 2-Hexanone	43	17.650	17.639	0.011	93	10464	0.1179	
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	80	2747615	10.0	
77 Chlorobenzene	112		19.181					
78 Ethylbenzene	91	19.325	19.325	0.000	95	87145	0.2359	
81 m-Xylene & p-Xylene	106	19.571	19.576	-0.005	99	124635	0.7819	
S 82 Xylenes, Total	106				0		1.00	
83 o-Xylene	106	20.382	20.387	-0.005	87	33312	0.2138	
84 Styrene	104	20.435	20.435	0.000	45	13327	0.0553	
85 Bromoform	173		20.836					
$ 87 4-Bromofluorobenzene	95	21.375	21.375	0.000	95	1812994	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91		21.706					
91 4-Ethyltoluene	105	21.882	21.882	0.000	64	10714	0.0230	
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105	21.988	21.983	0.005	63	8255	0.0201	
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105	22.544	22.549	-0.005	86	23701	0.0565	
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119	22.965	22.965	0.000	58	27608	0.0517	
100 1,3-Dichlorobenzene	146	23.008	23.008	0.000	47	4913	0.0142	
101 1,4-Dichlorobenzene	146	23.136	23.141	-0.005	37	2853	0.008189	
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
105 1,2-Dichlorobenzene	146		23.696					
107 1,2,4-Trichlorobenzene	180		26.322					
108 Hexachlorobutadiene	225		26.509					
109 Naphthalene	128		26.850					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

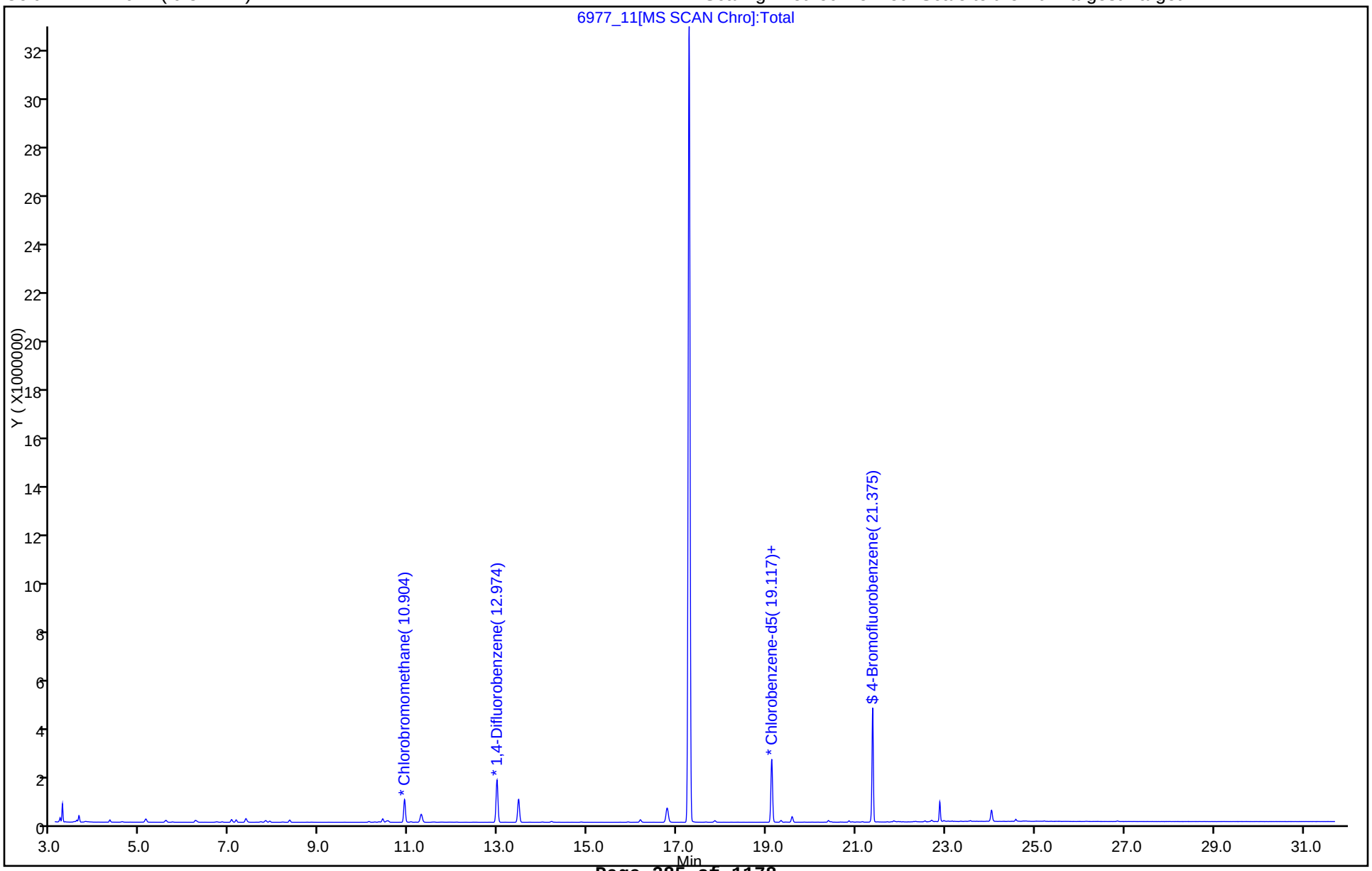
Report Date: 11-Apr-2014 10:51:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5	Worklist Smp#:	11
Client ID:	SDS-1				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



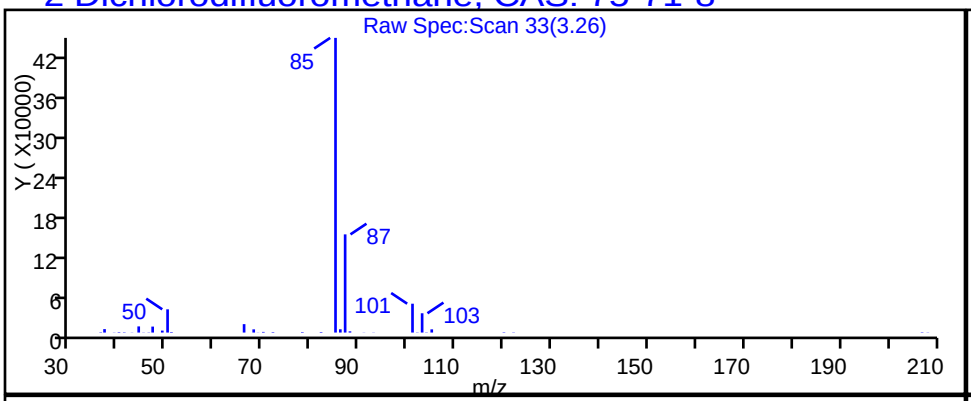
Report Date: 11-Apr-2014 10:51:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

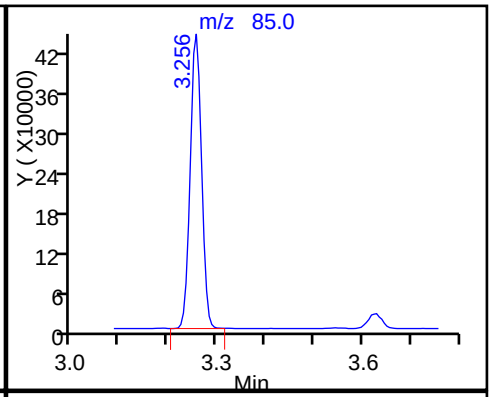
TestAmerica Burlington

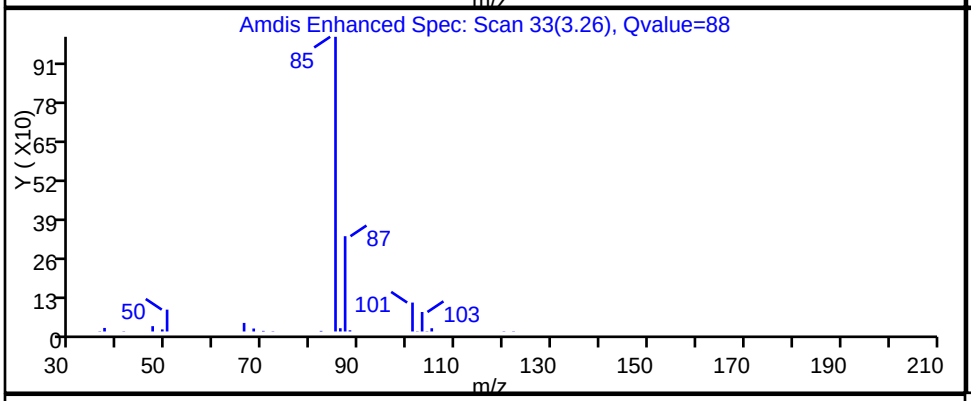
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

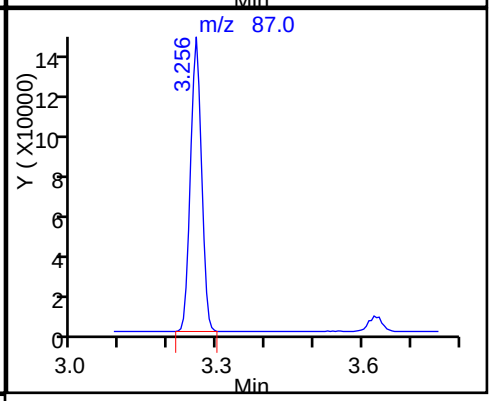
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

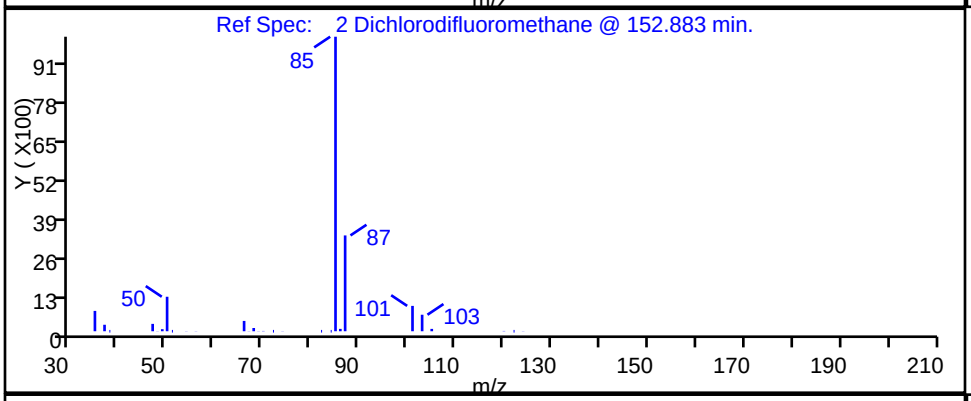
2 Dichlorodifluoromethane, CAS: 75-71-8

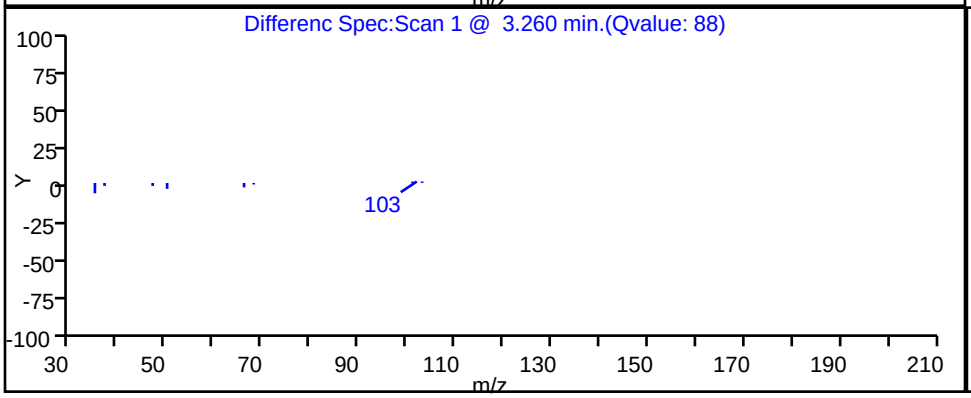


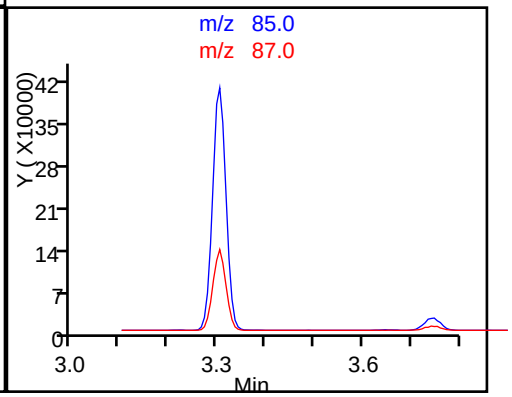












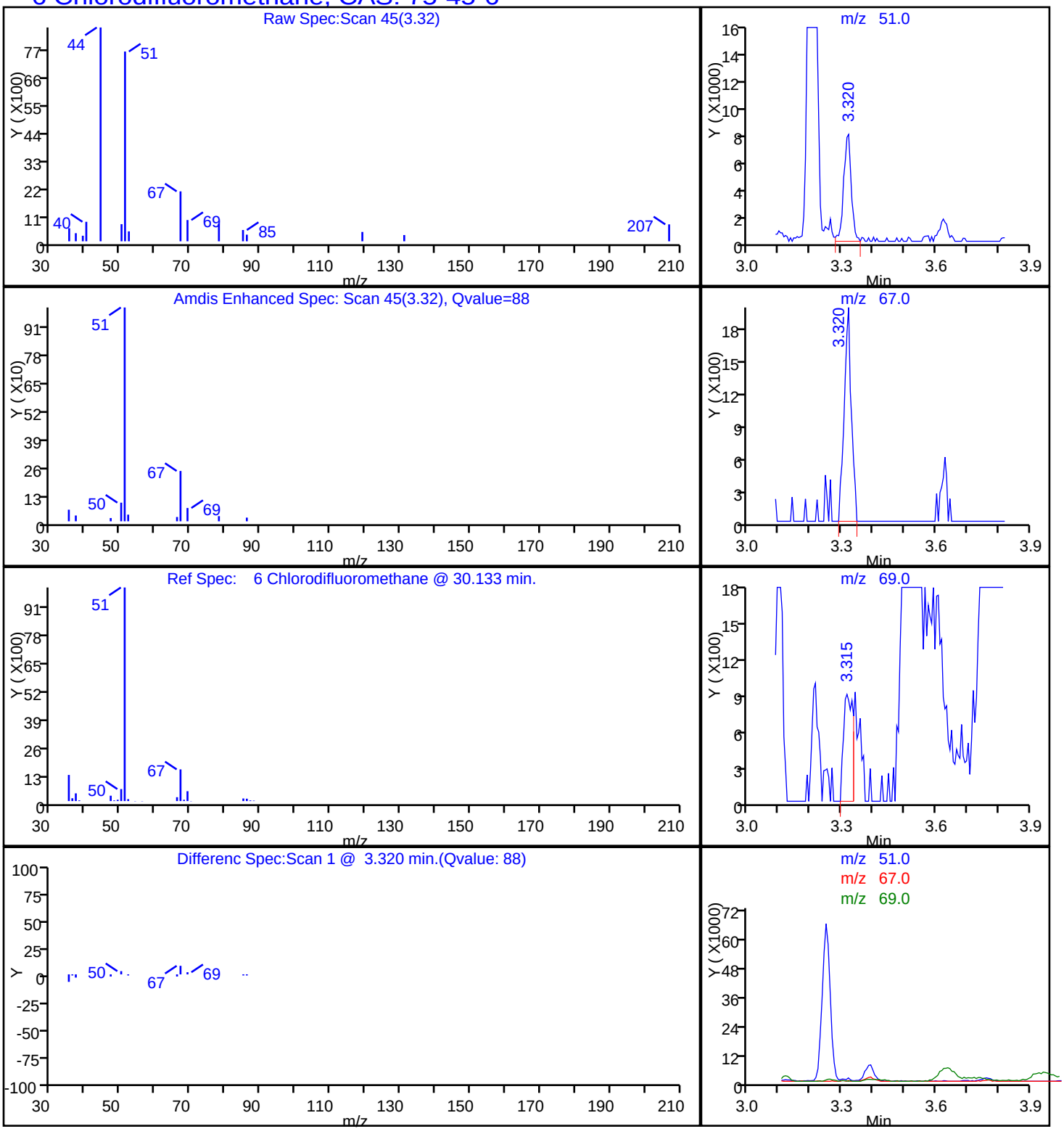
Report Date: 11-Apr-2014 10:51:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



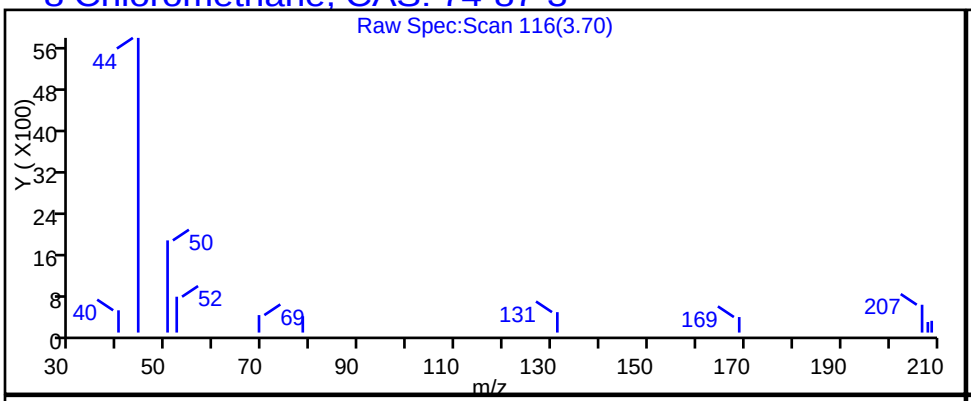
Report Date: 11-Apr-2014 10:51:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

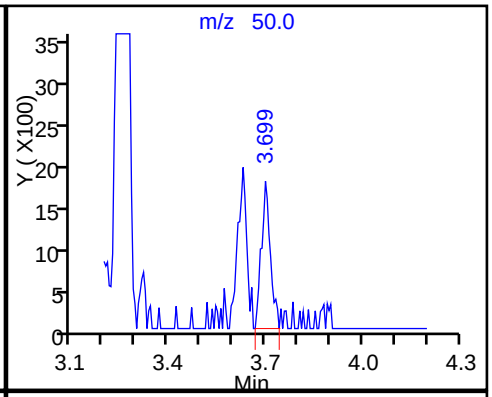
TestAmerica Burlington

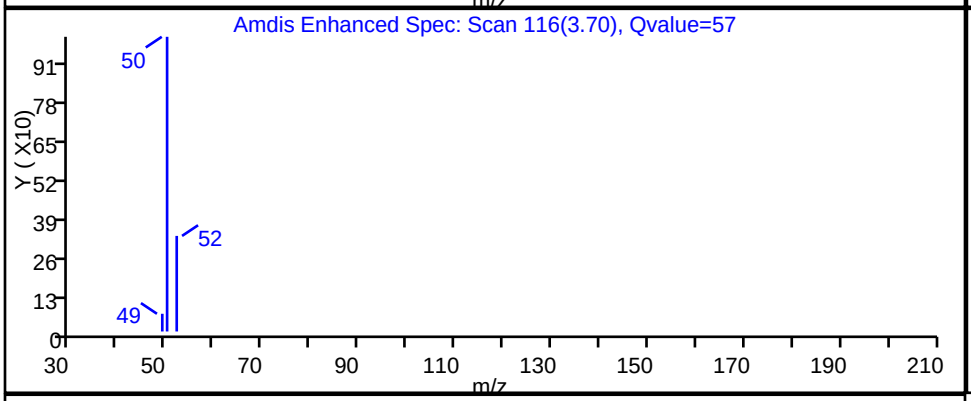
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

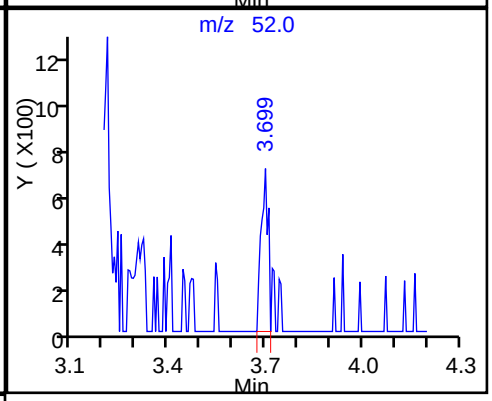
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

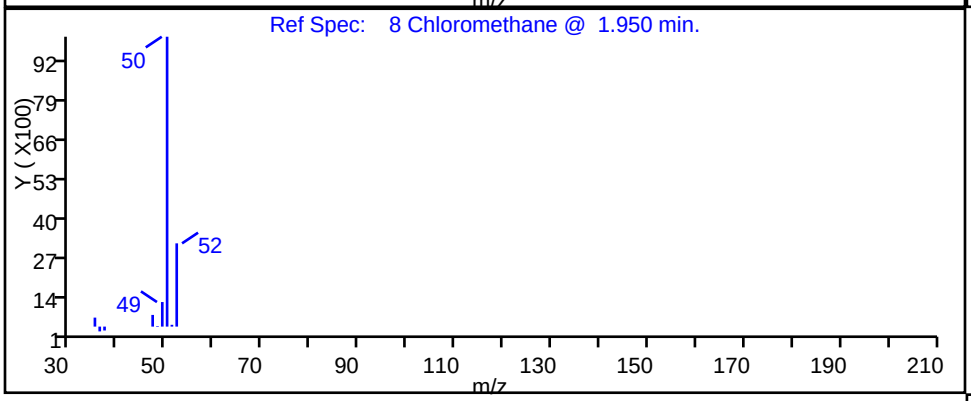
8 Chloromethane, CAS: 74-87-3

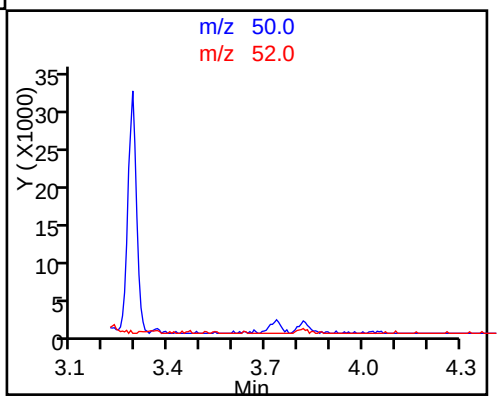












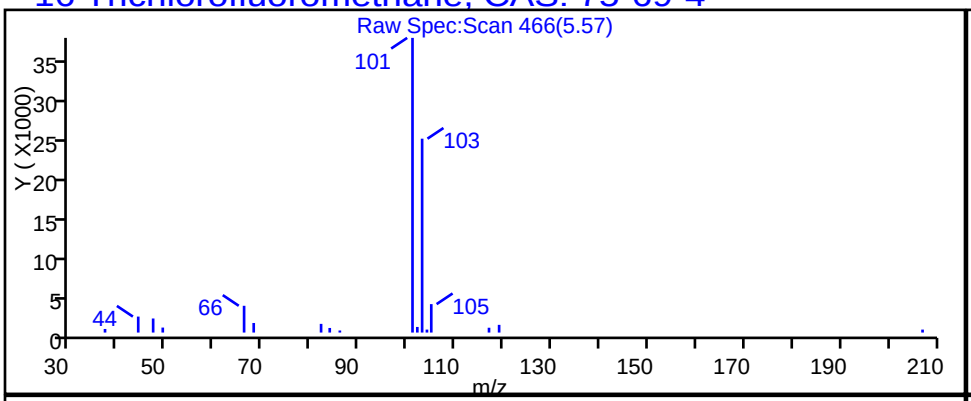
Report Date: 11-Apr-2014 10:51:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

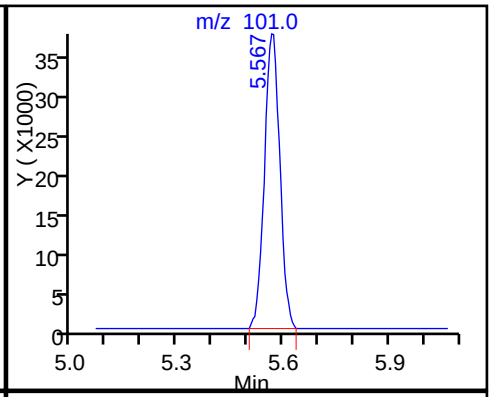
TestAmerica Burlington

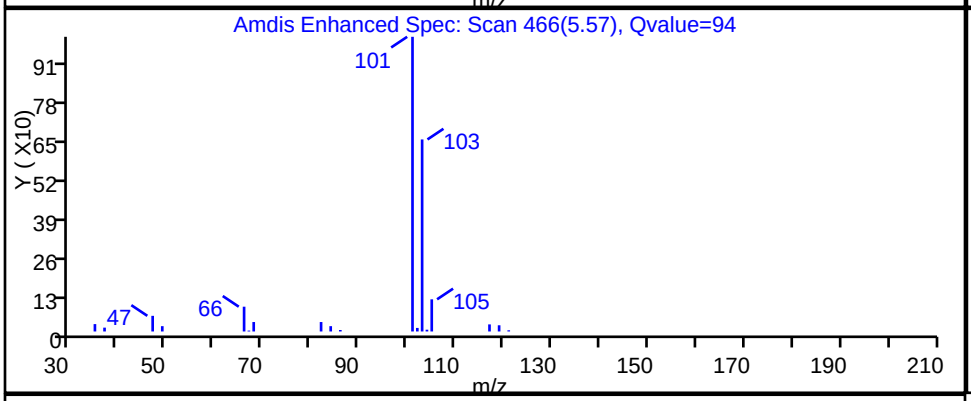
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

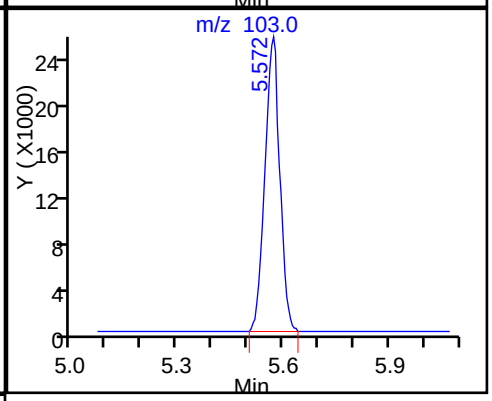
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

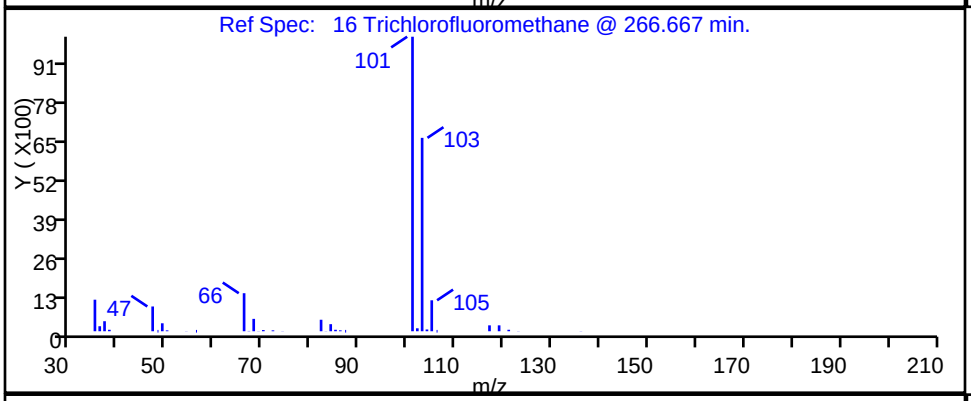
16 Trichlorofluoromethane, CAS: 75-69-4

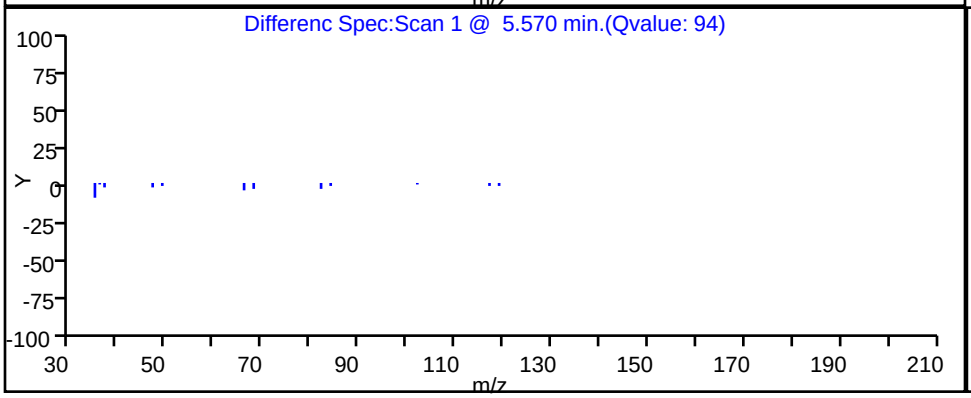


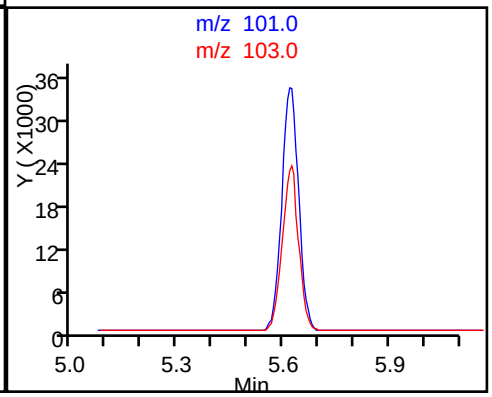












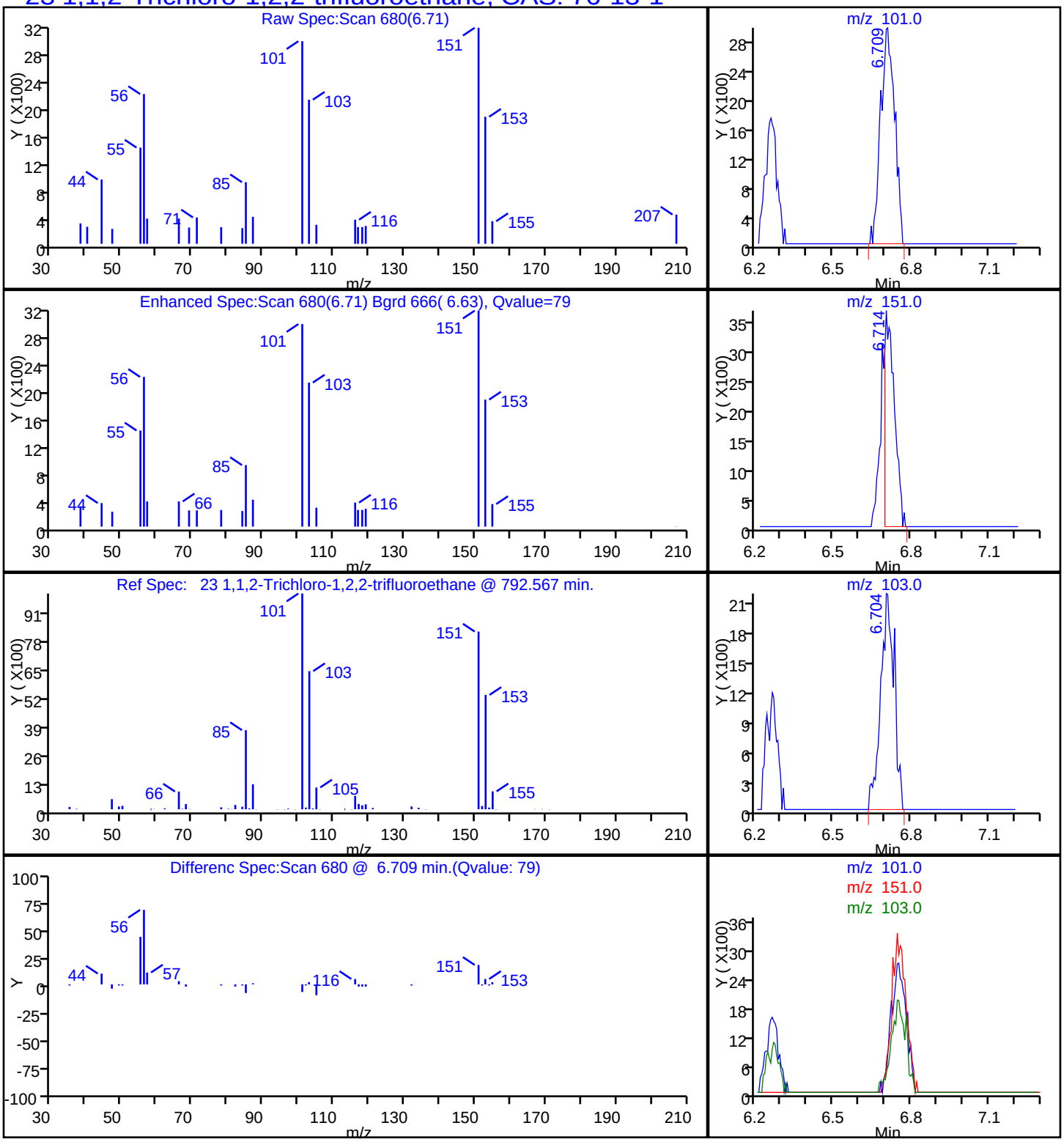
Report Date: 11-Apr-2014 10:51:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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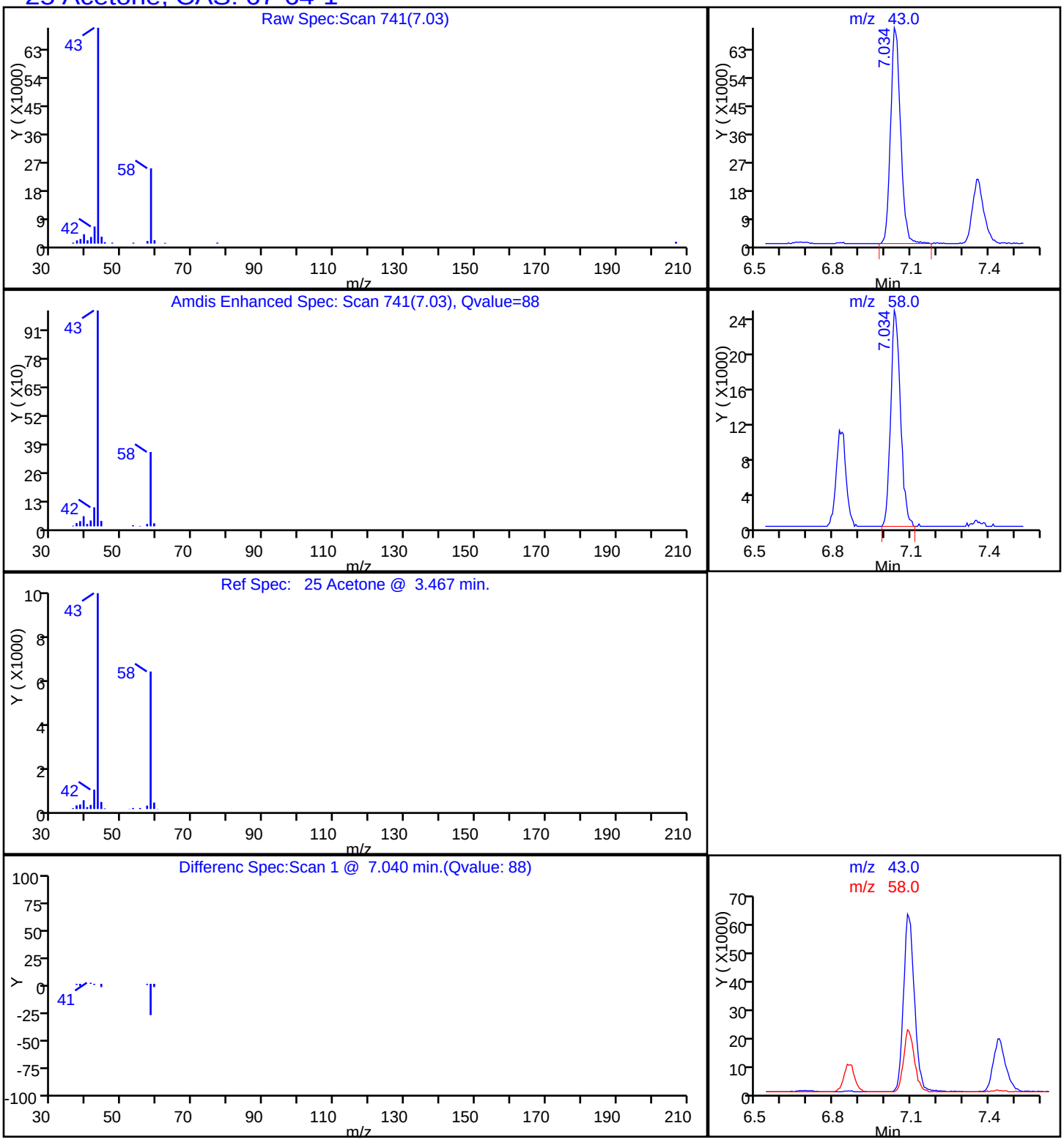
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



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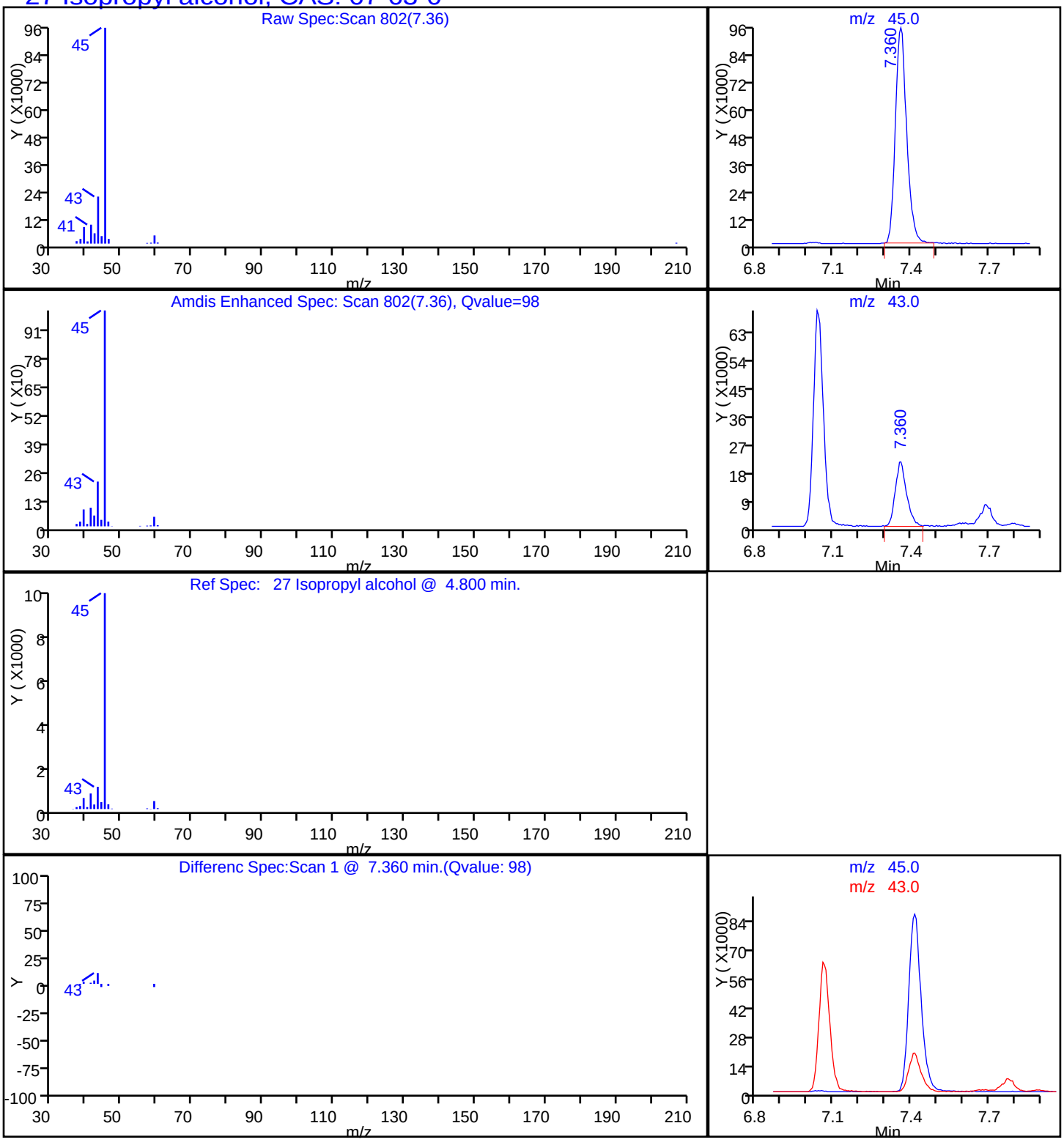
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



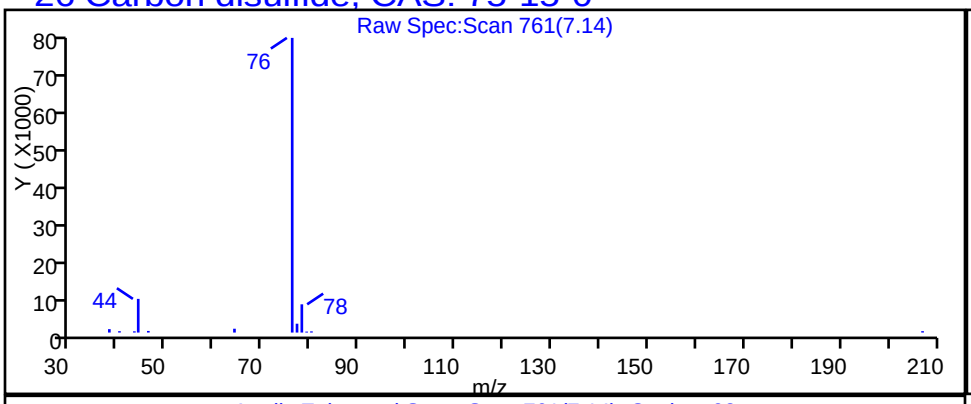
Report Date: 11-Apr-2014 10:51:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

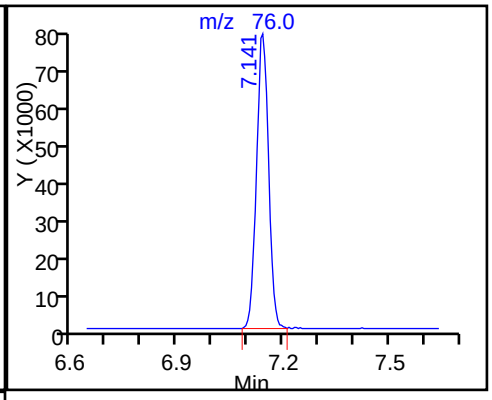
TestAmerica Burlington

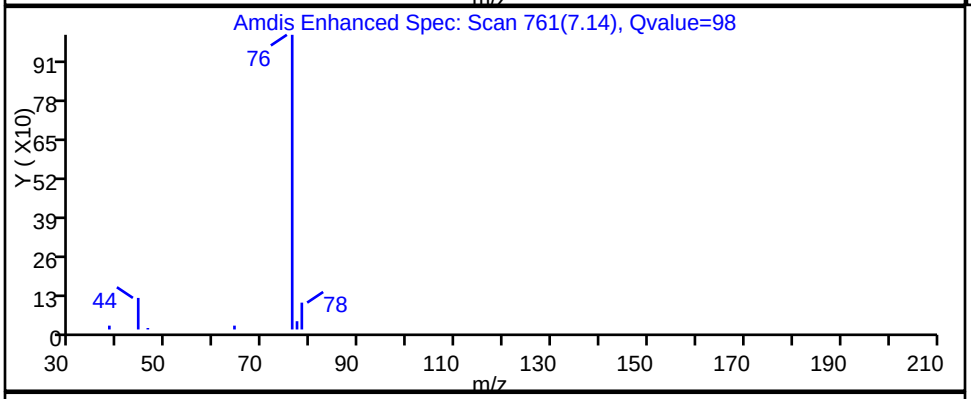
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

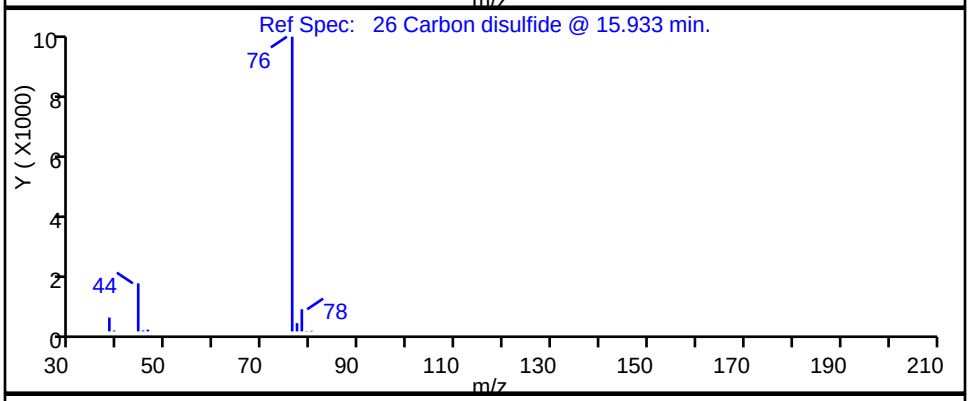
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

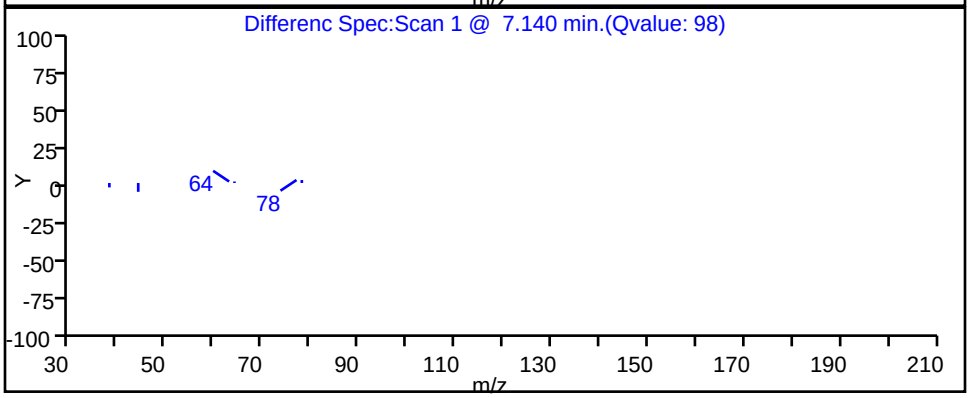
26 Carbon disulfide, CAS: 75-15-0











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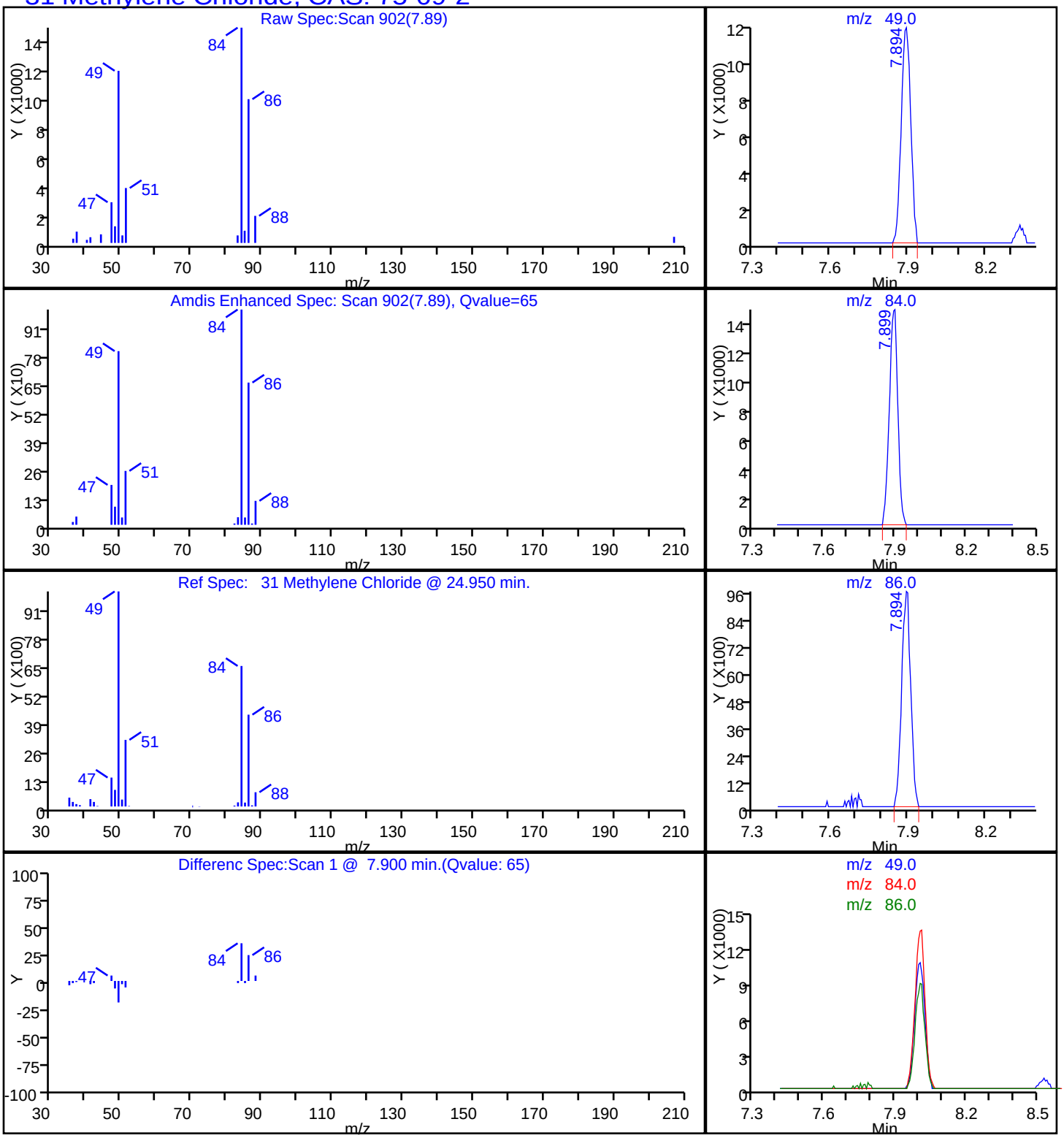
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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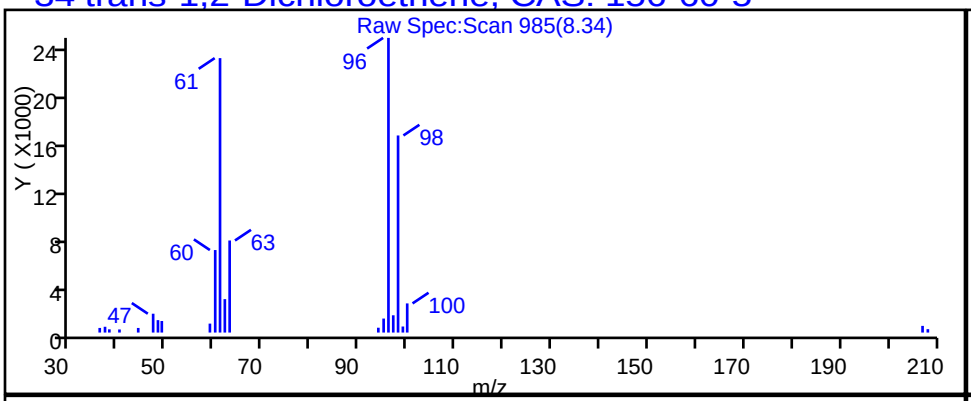
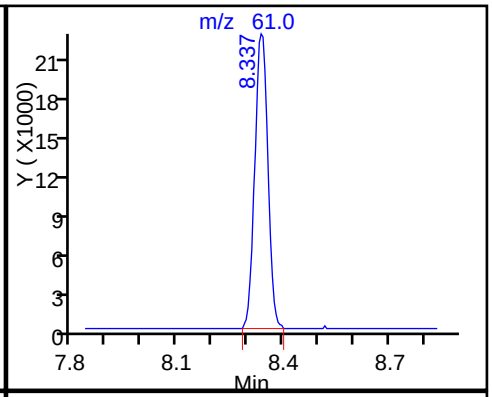
TestAmerica Burlington

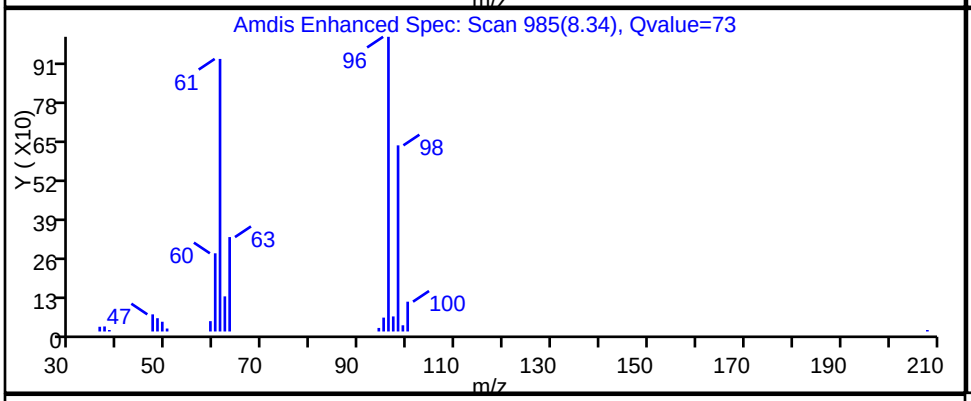
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

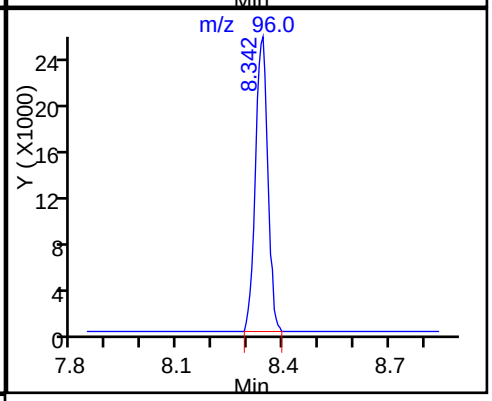
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

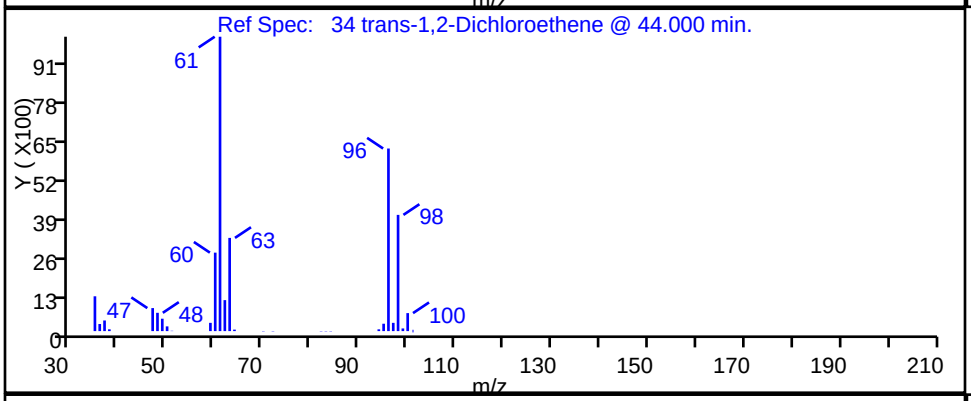
34 trans-1,2-Dichloroethene, CAS: 156-60-5

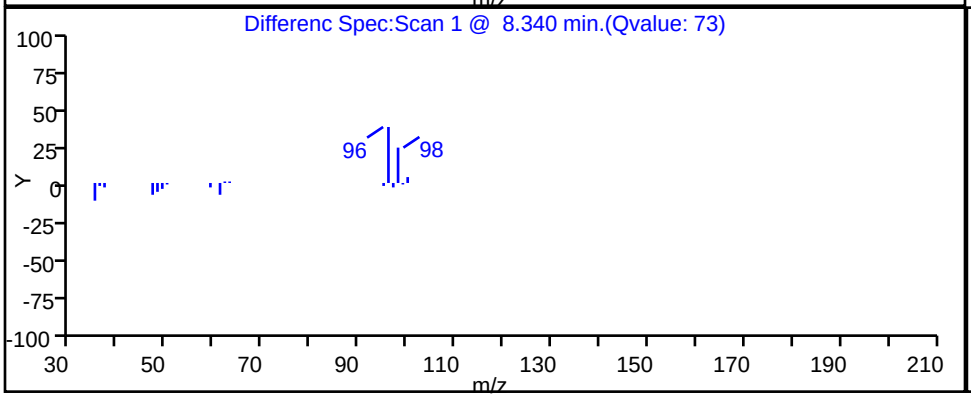


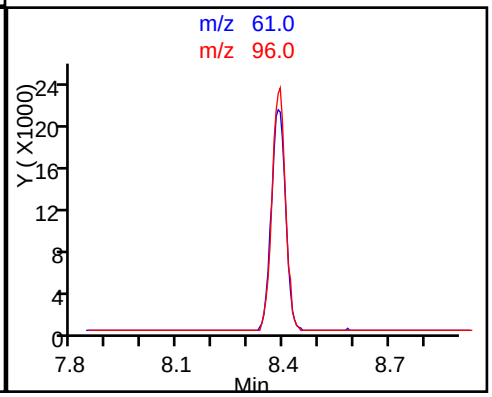












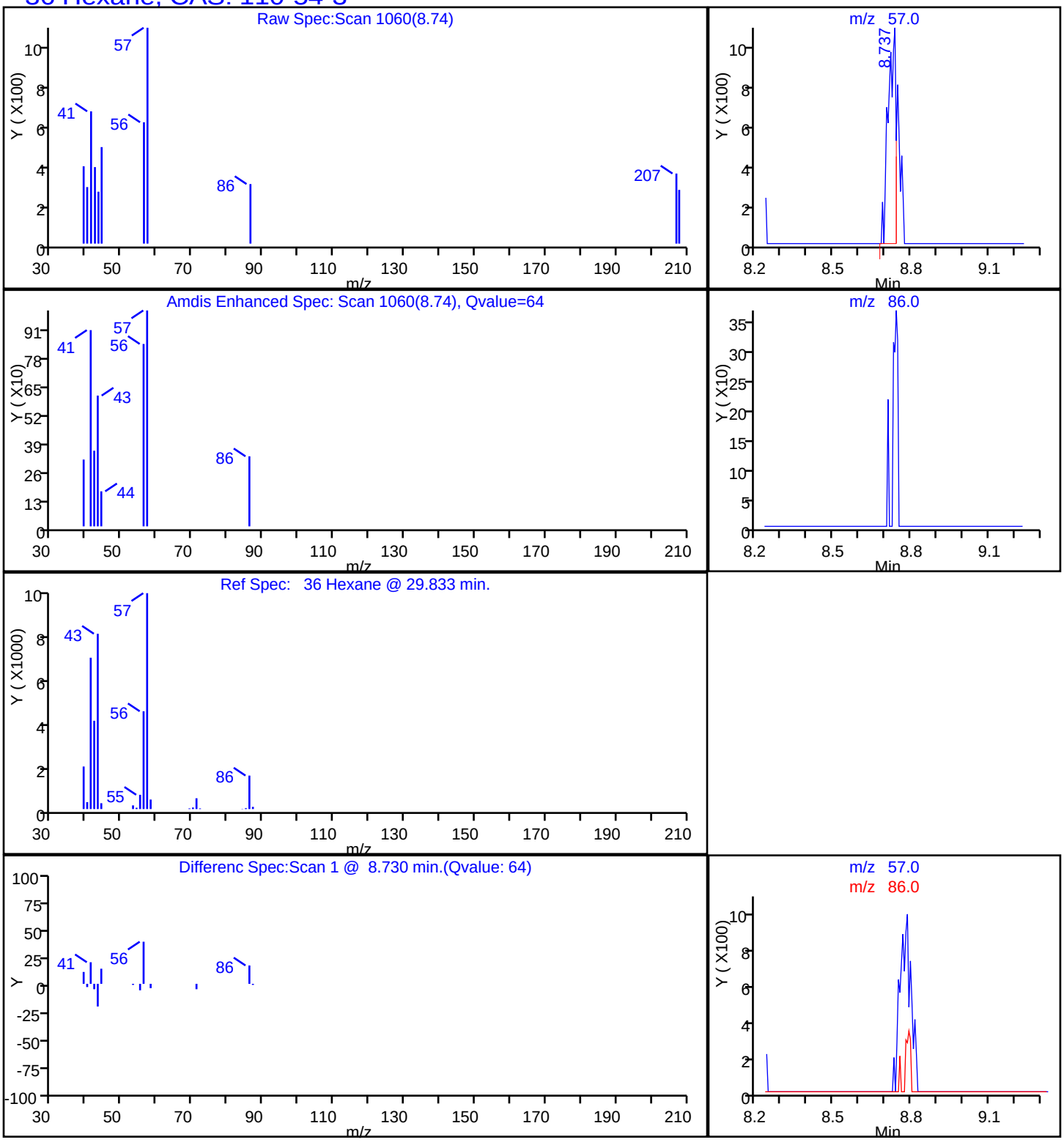
Report Date: 11-Apr-2014 10:51:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



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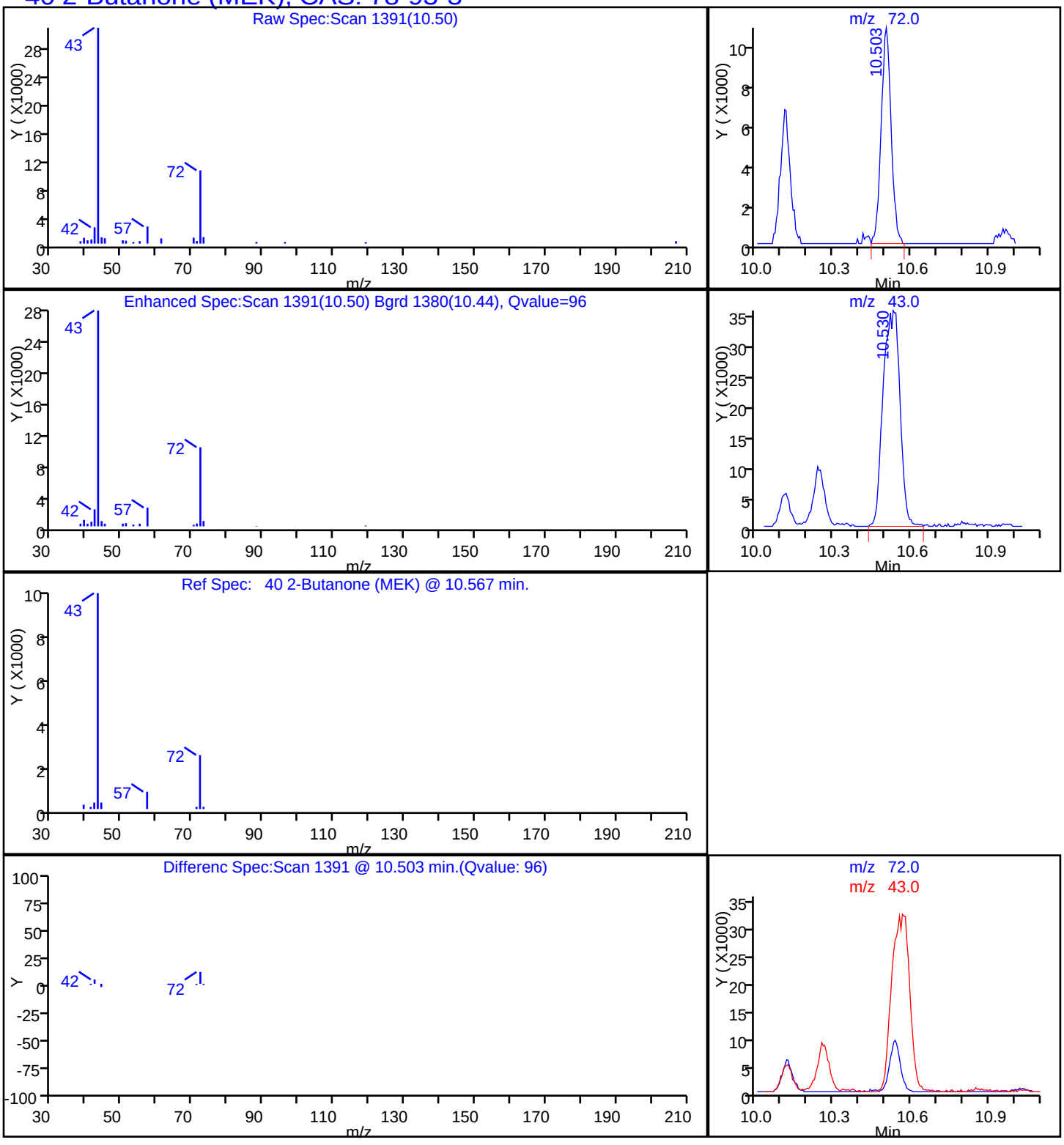
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3



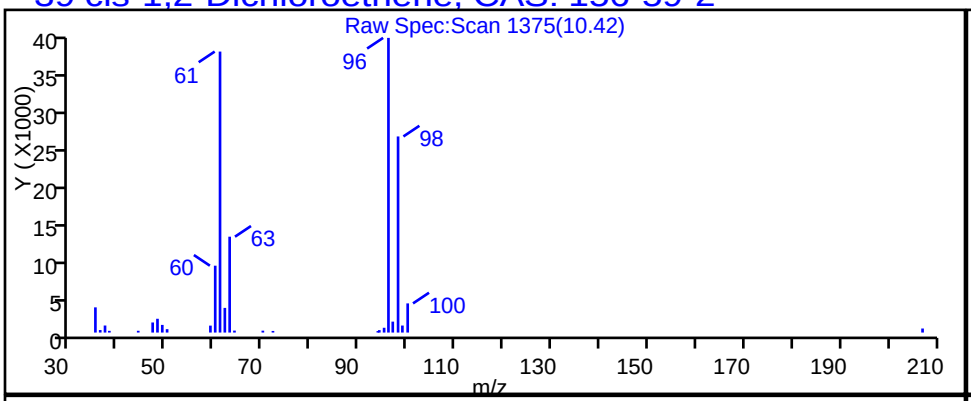
Report Date: 11-Apr-2014 10:51:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

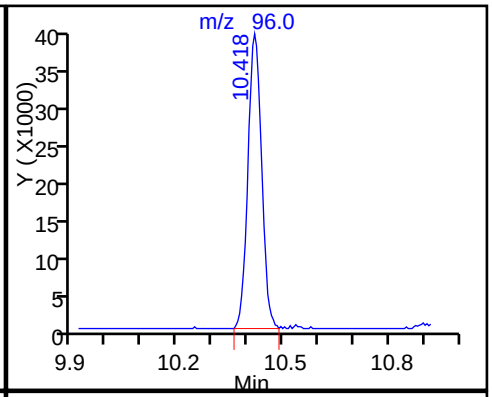
TestAmerica Burlington

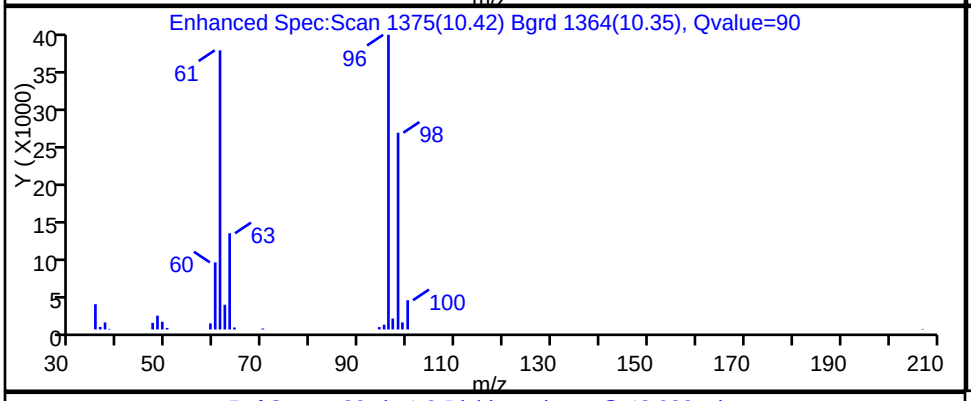
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

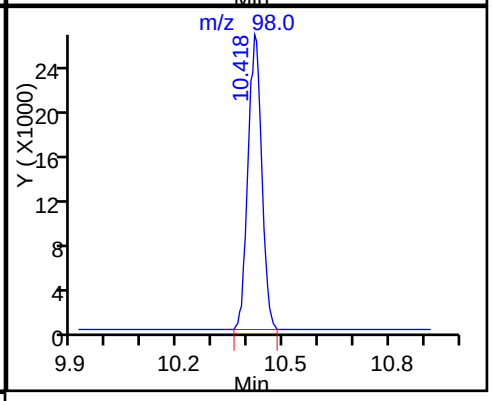
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

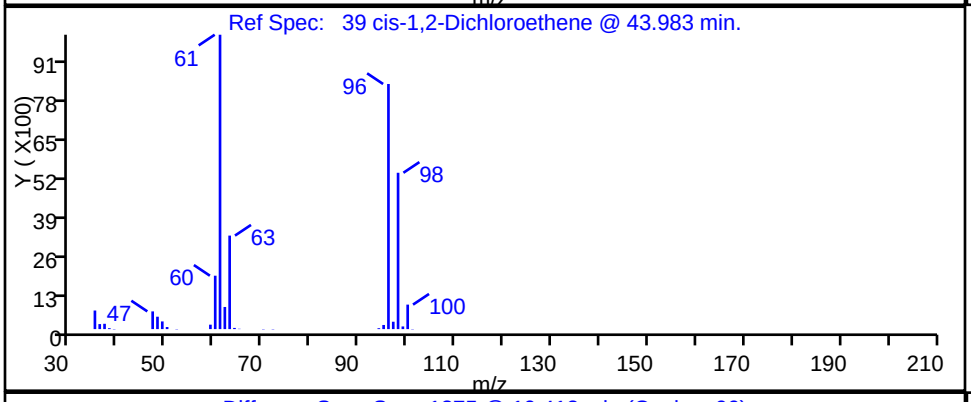
39 cis-1,2-Dichloroethene, CAS: 156-59-2

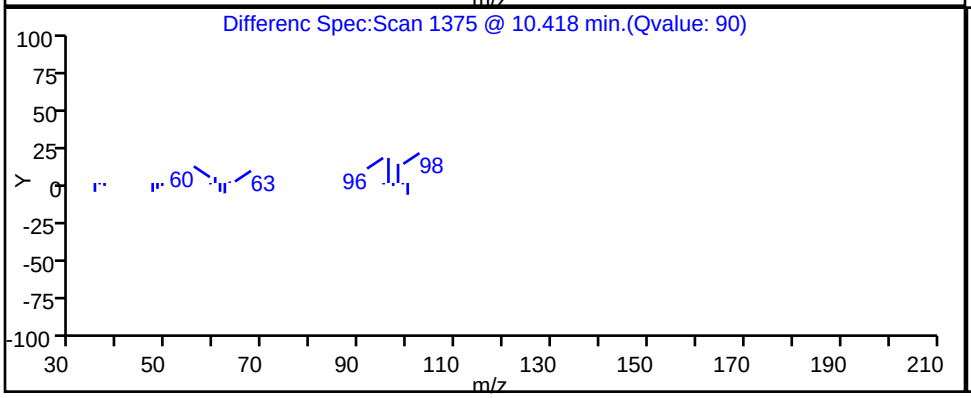


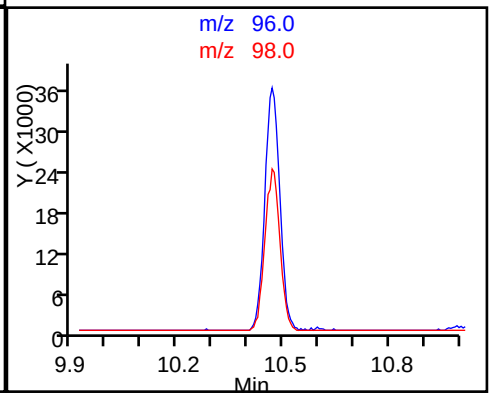












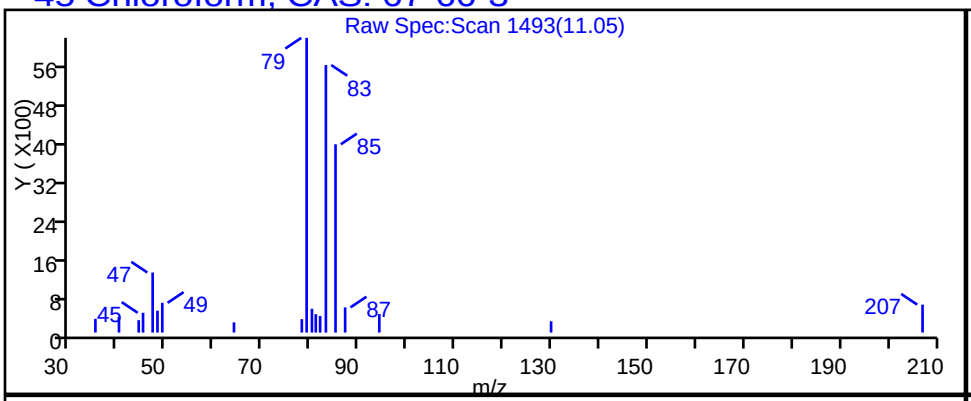
Report Date: 11-Apr-2014 10:51:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

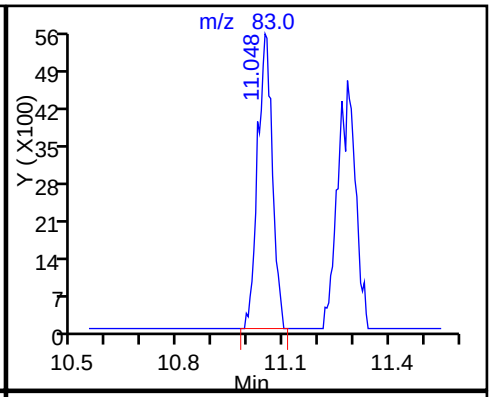
TestAmerica Burlington

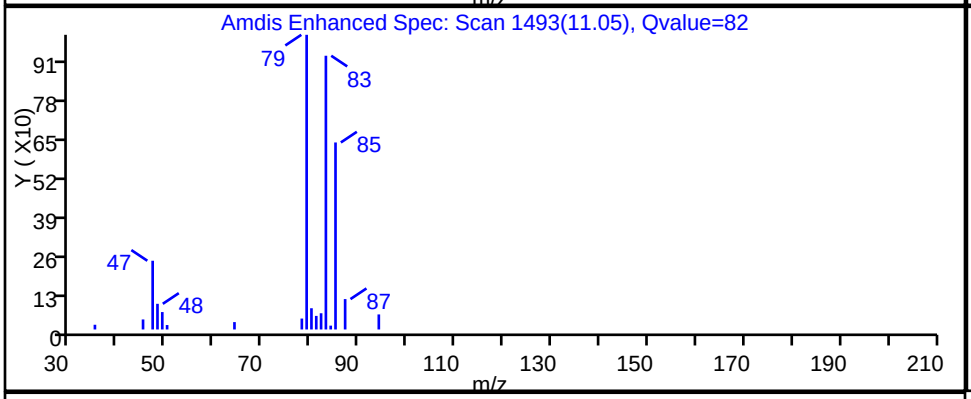
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

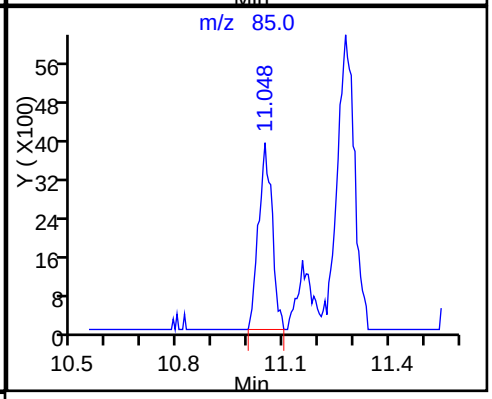
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

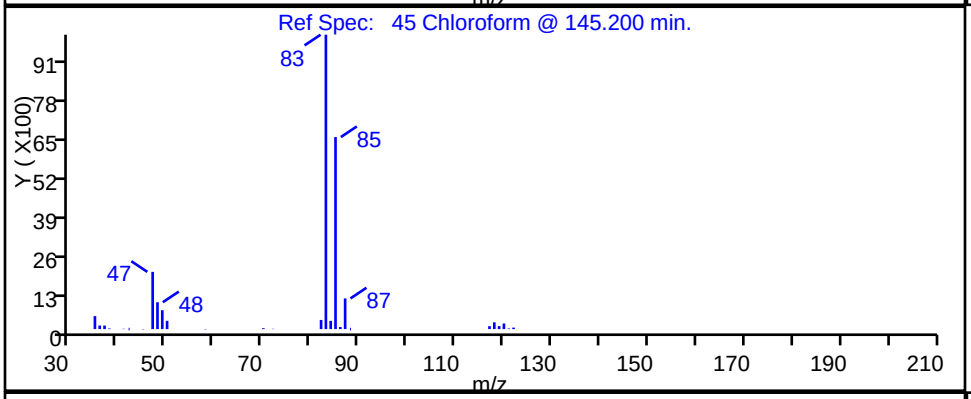
45 Chloroform, CAS: 67-66-3

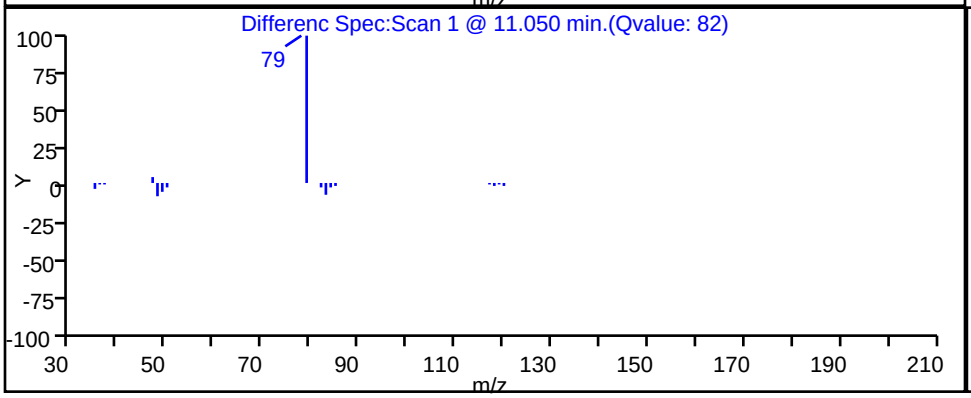


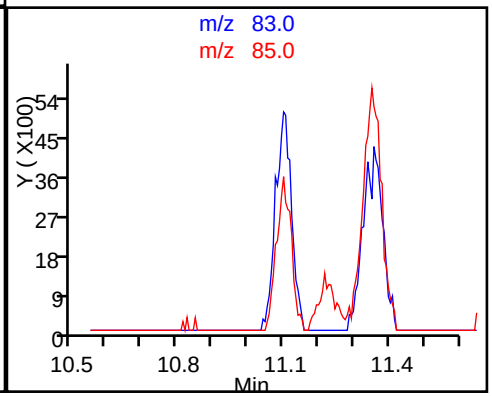












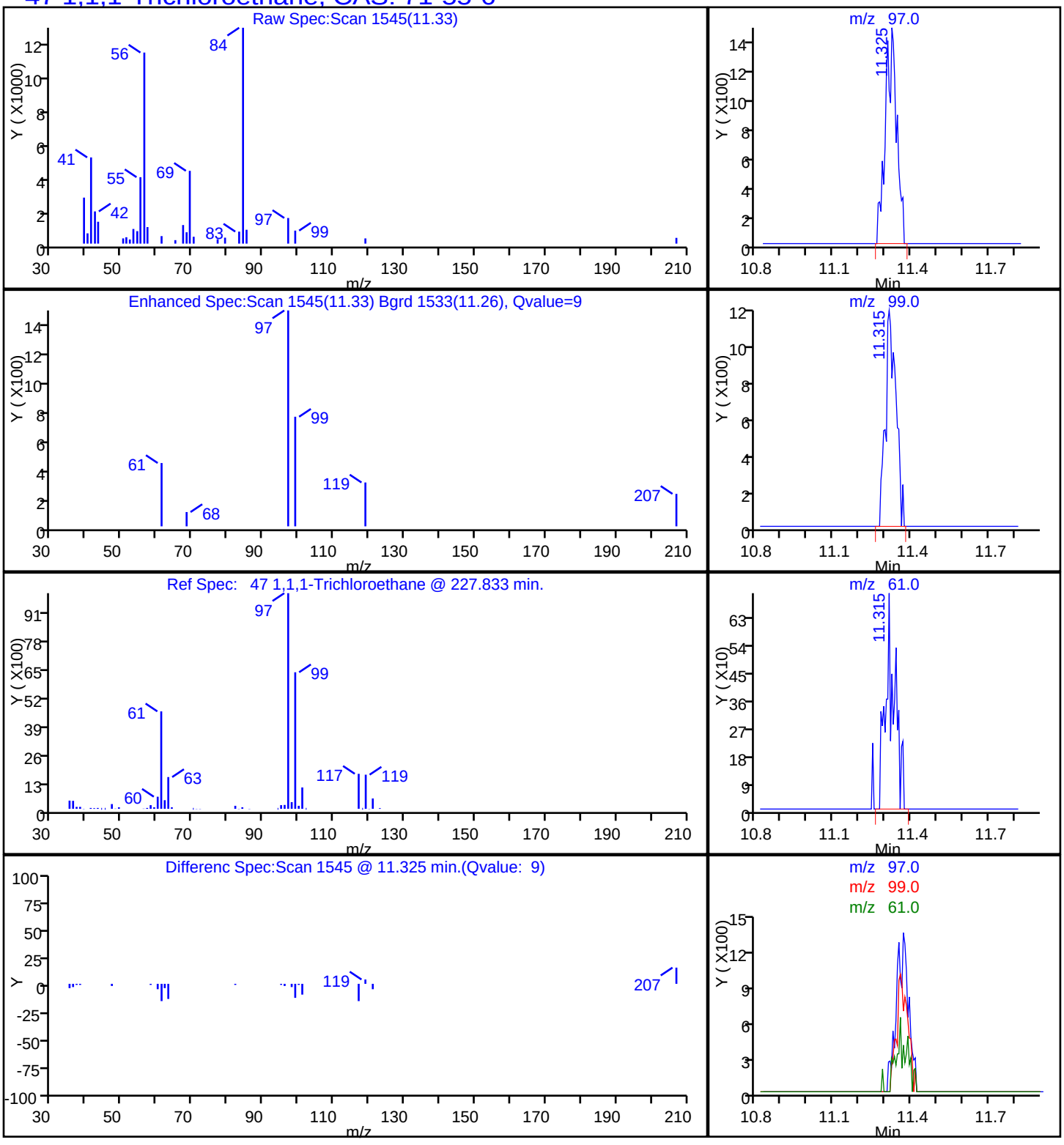
Report Date: 11-Apr-2014 10:51:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



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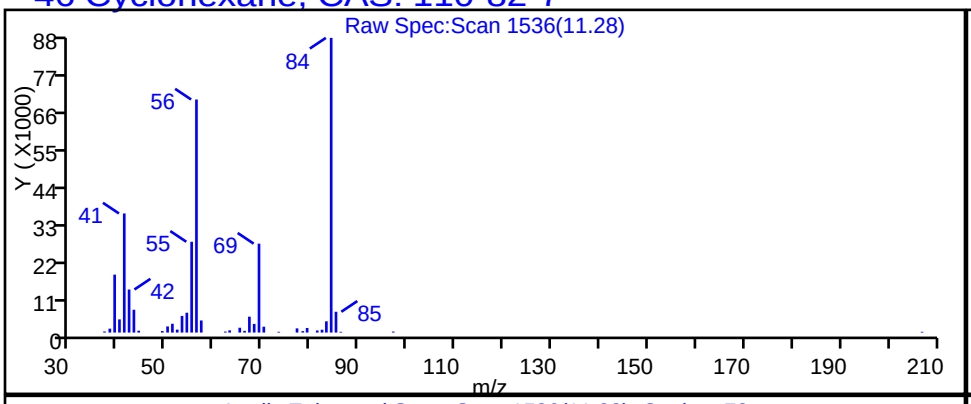
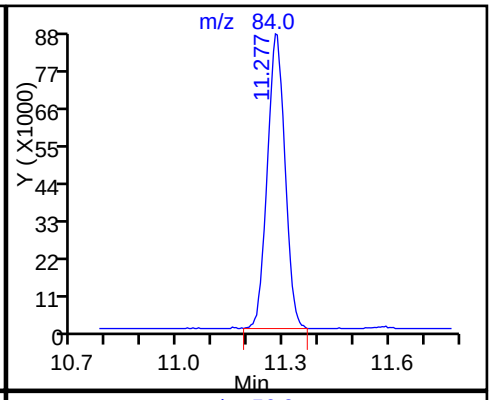
TestAmerica Burlington

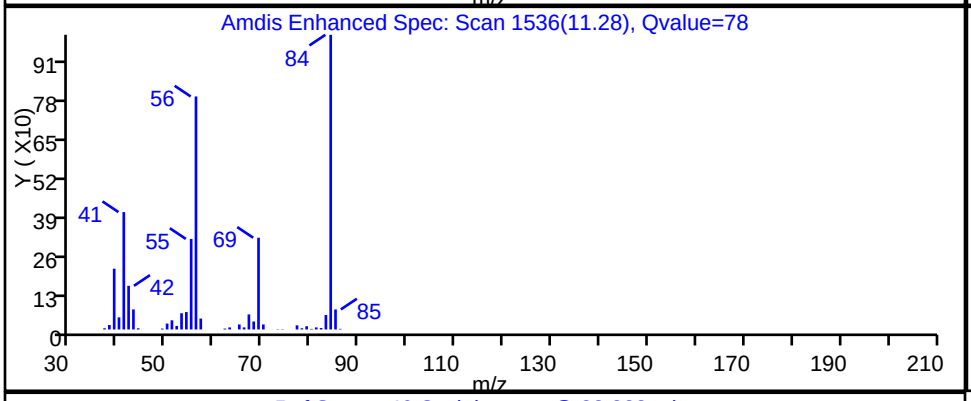
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

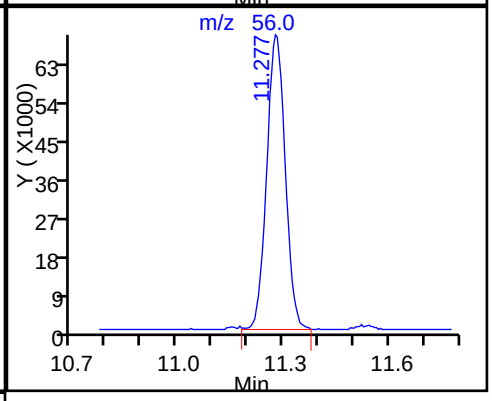
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

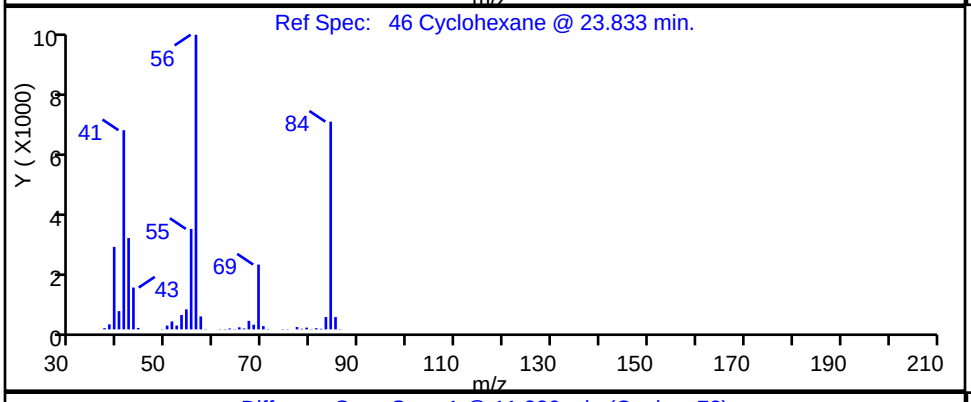
46 Cyclohexane, CAS: 110-82-7

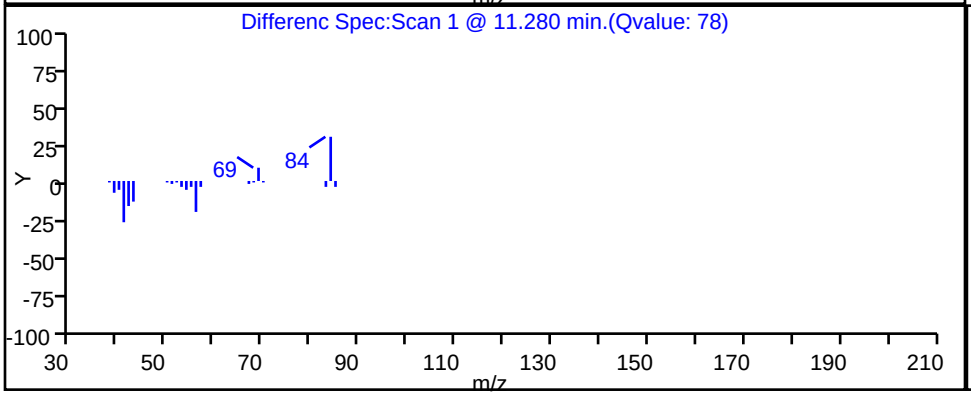


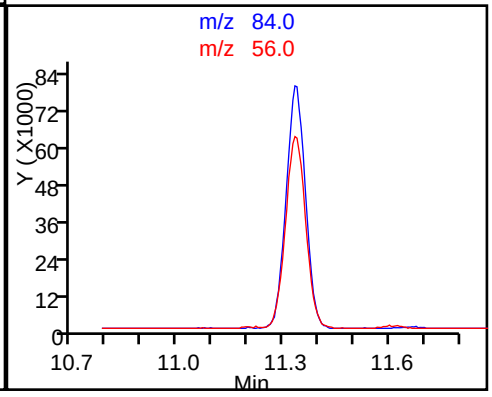












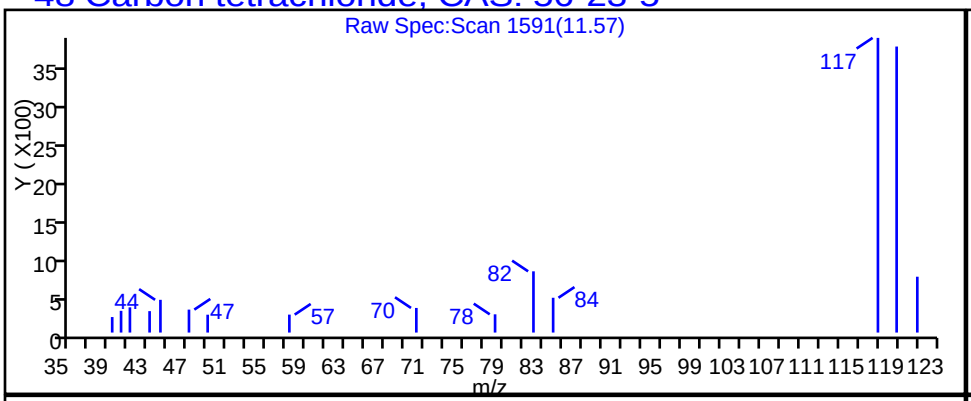
Report Date: 11-Apr-2014 10:51:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

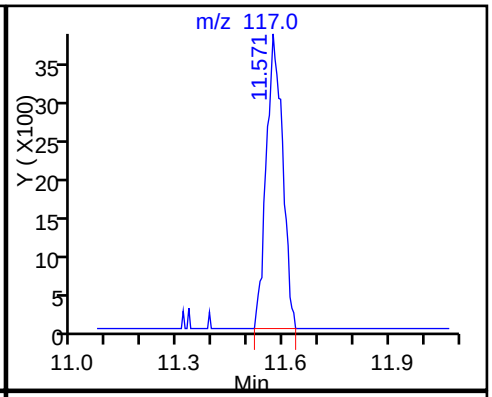
TestAmerica Burlington

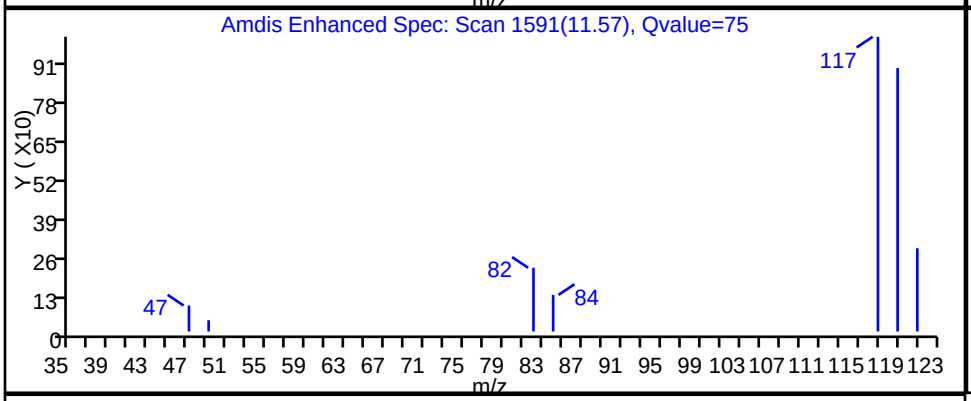
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

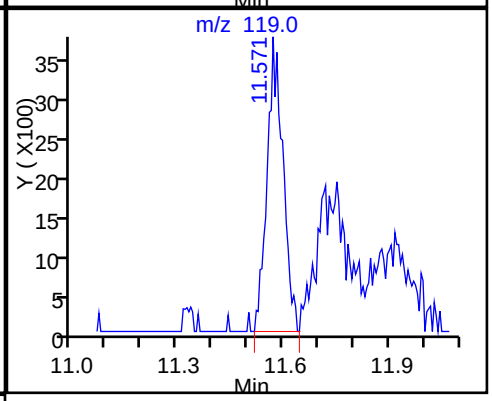
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

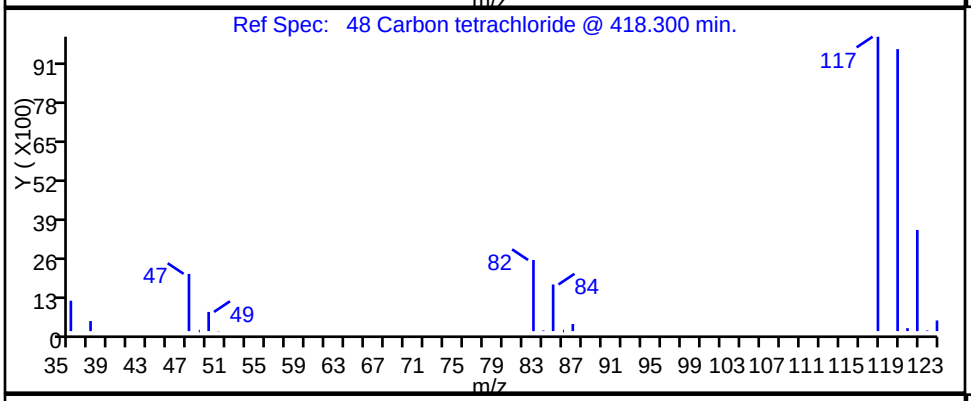
48 Carbon tetrachloride, CAS: 56-23-5

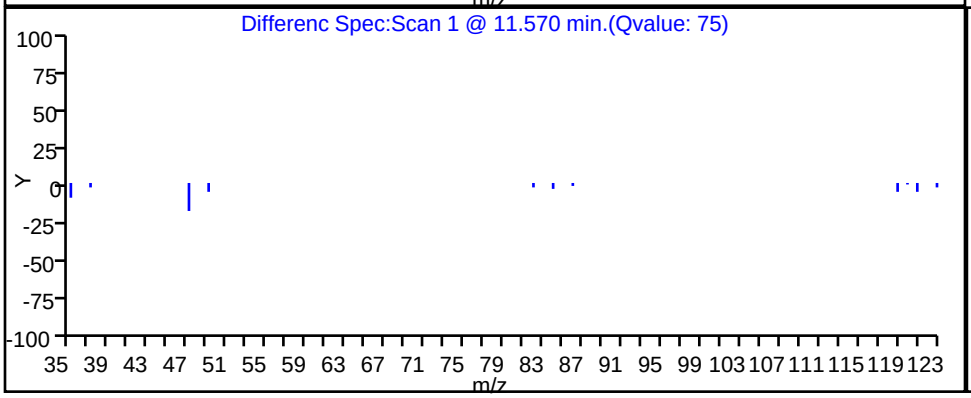


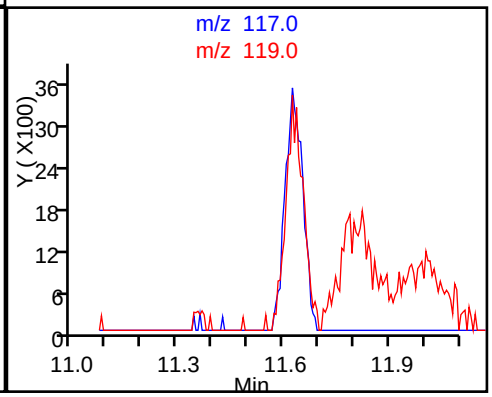












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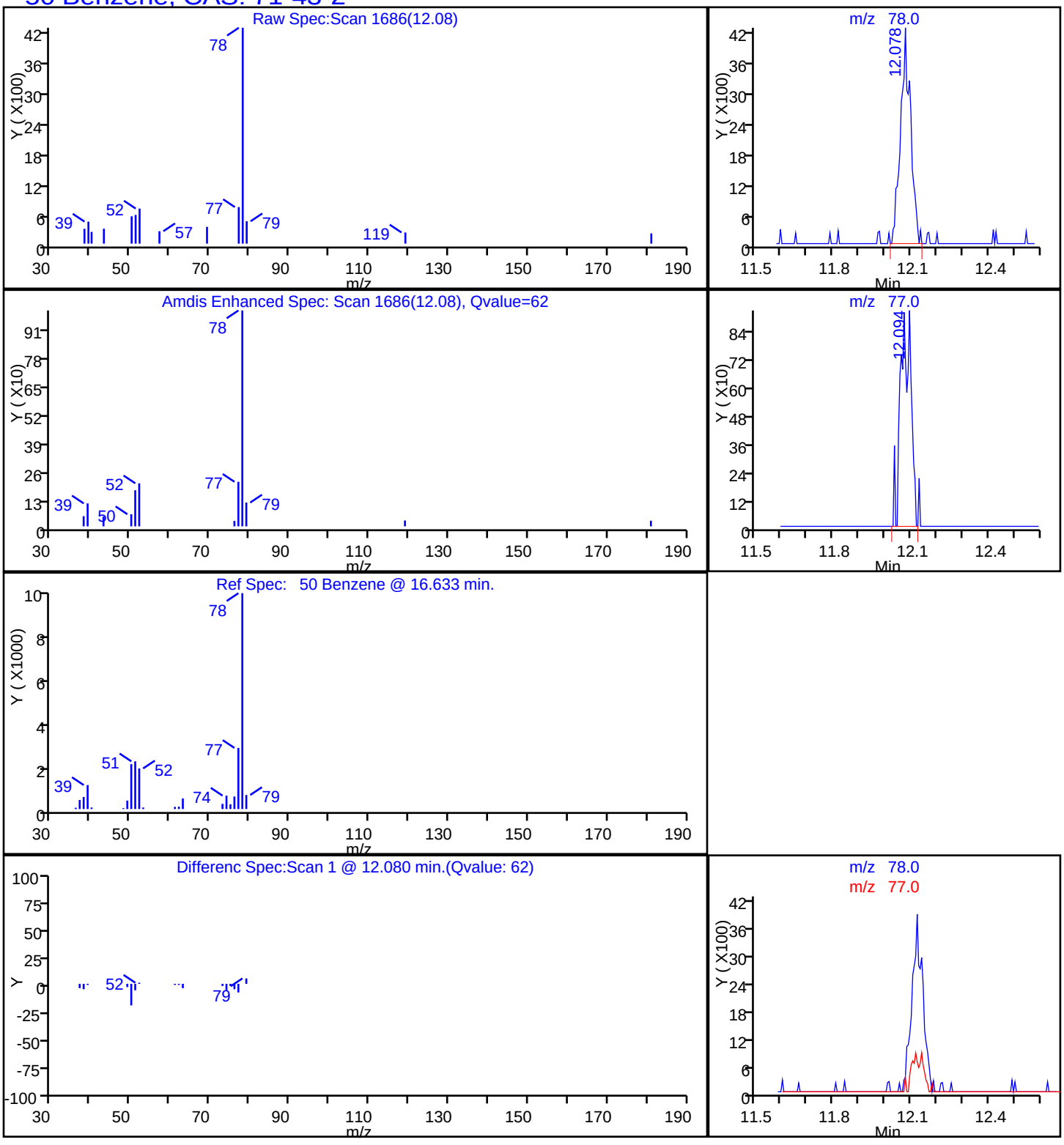
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



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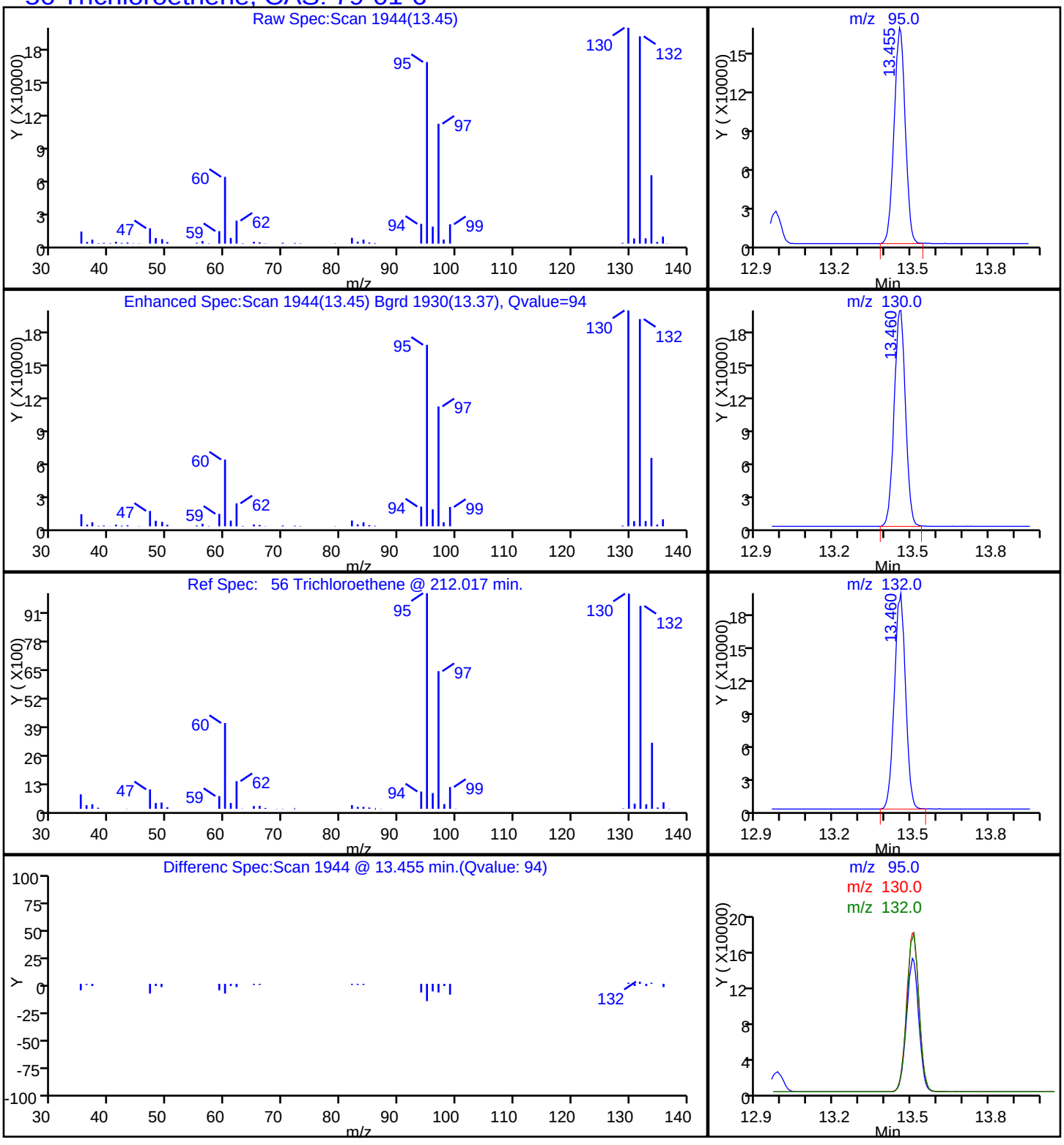
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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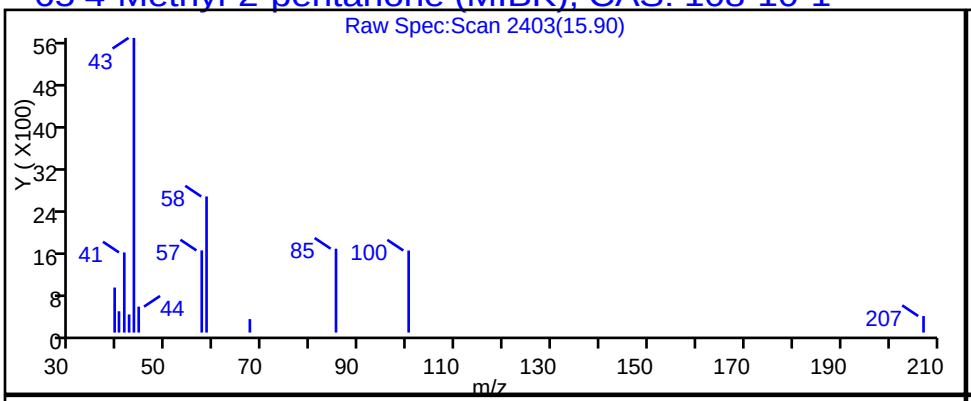
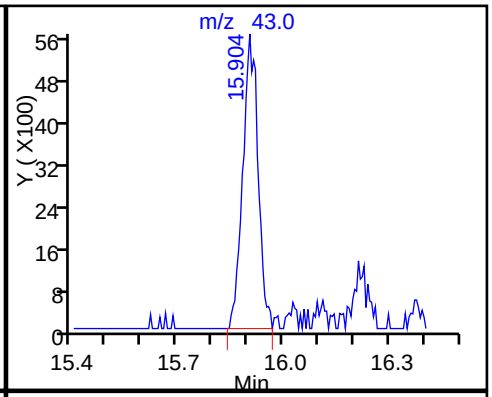
TestAmerica Burlington

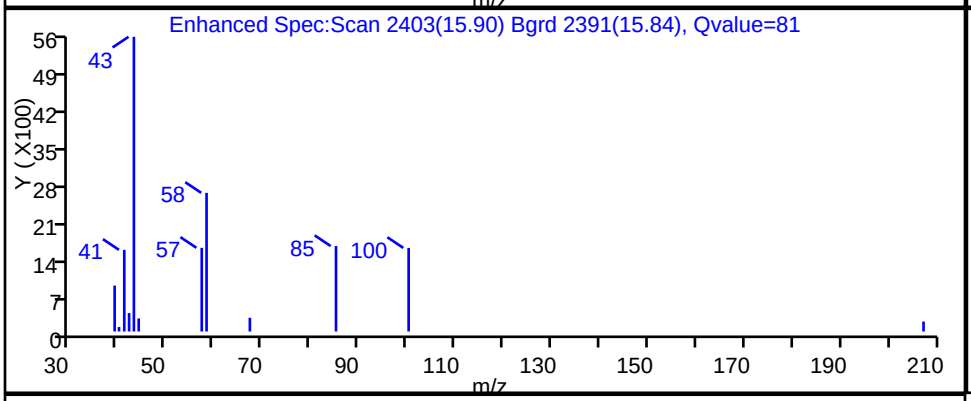
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

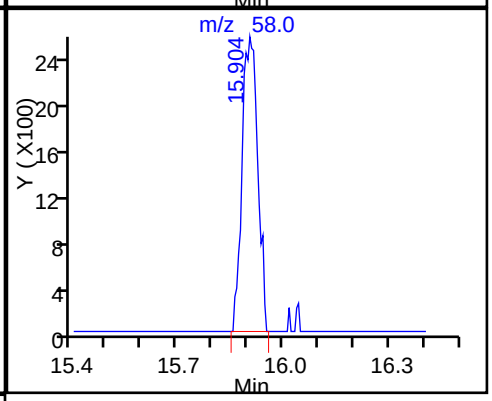
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

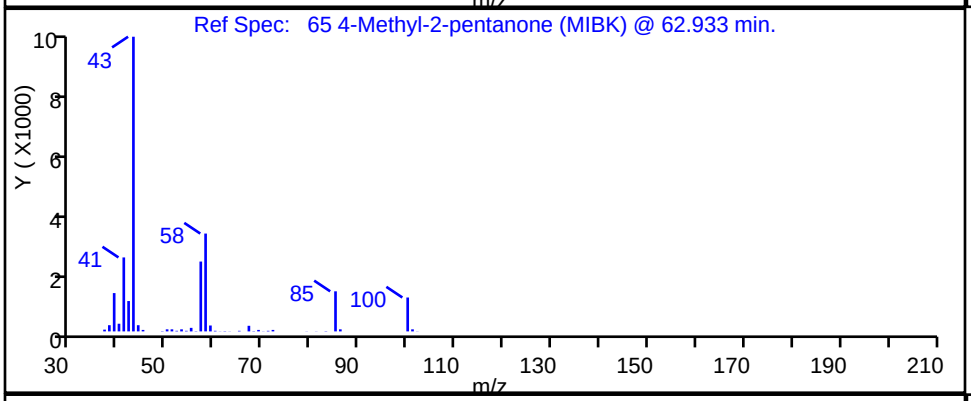
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

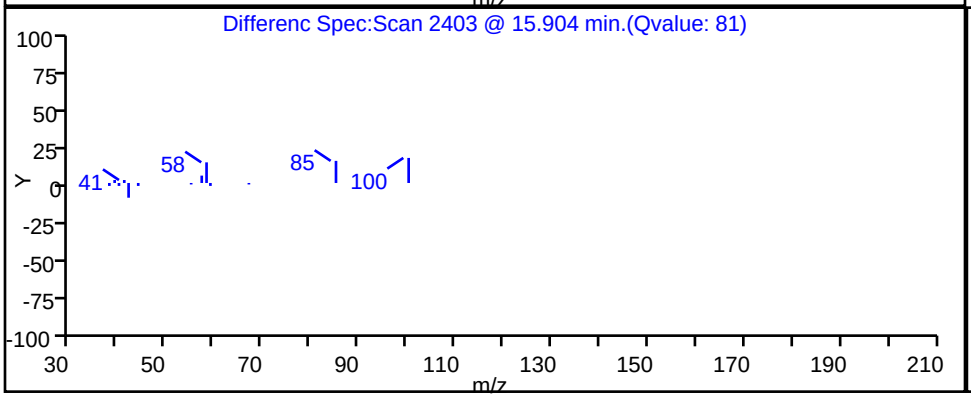


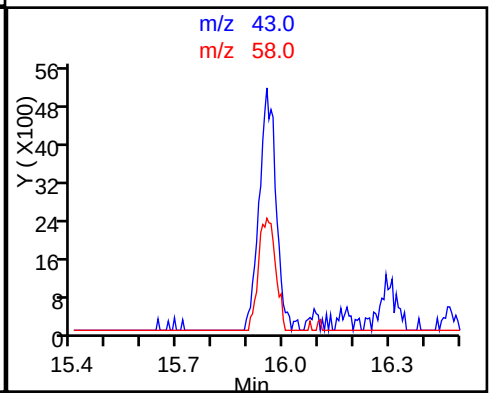












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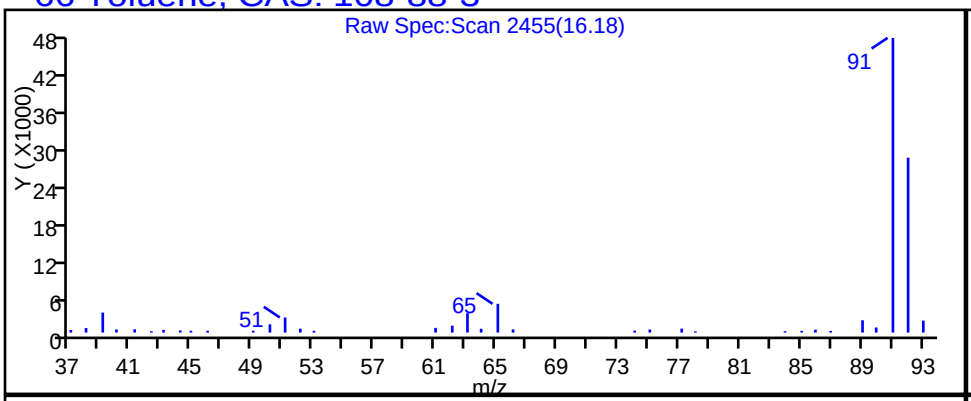
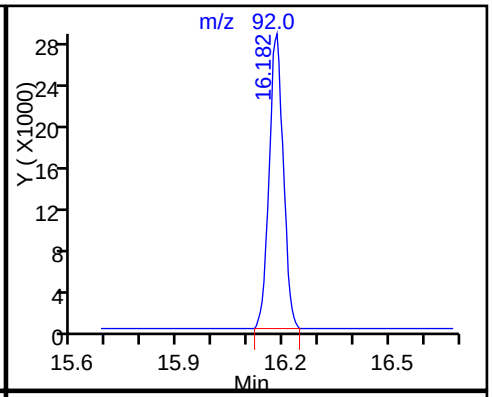
TestAmerica Burlington

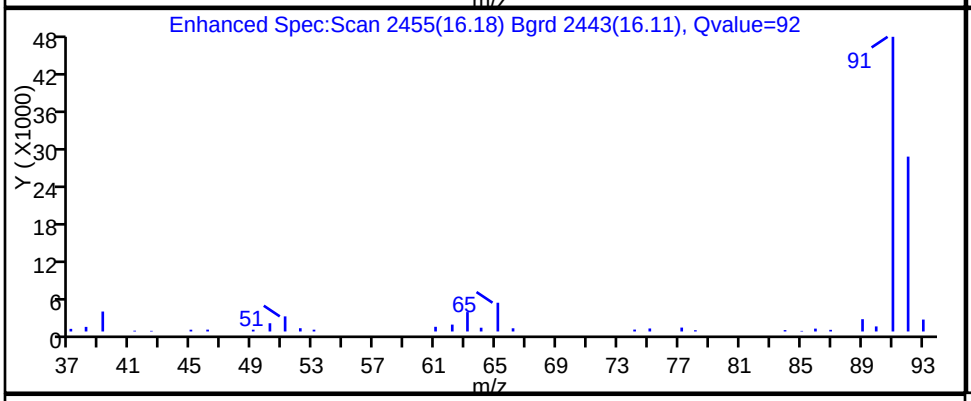
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

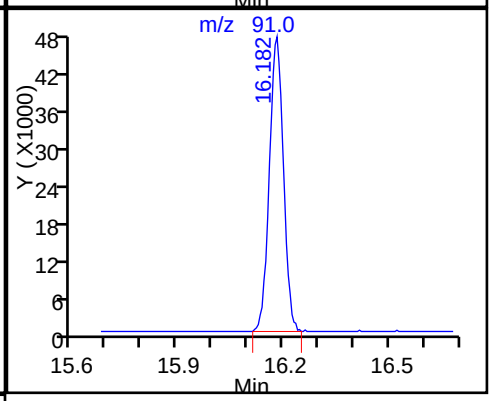
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

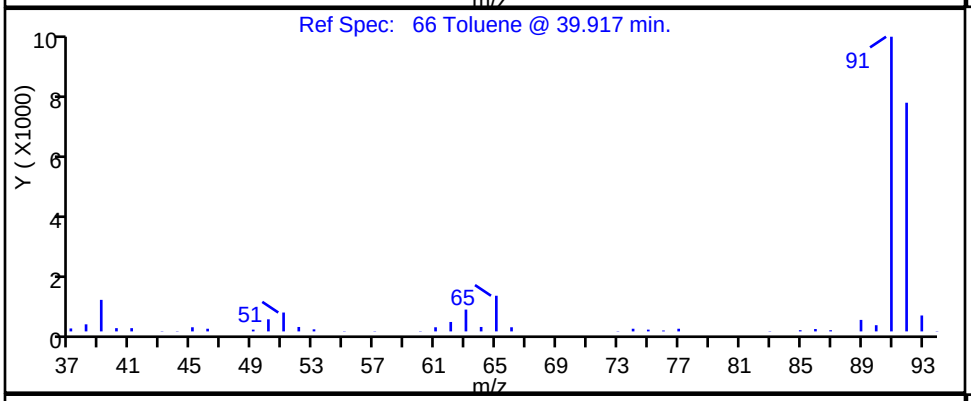
66 Toluene, CAS: 108-88-3

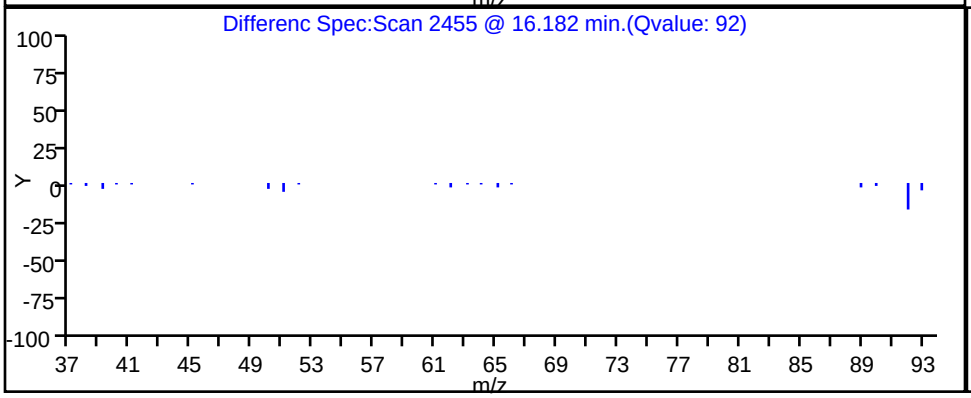


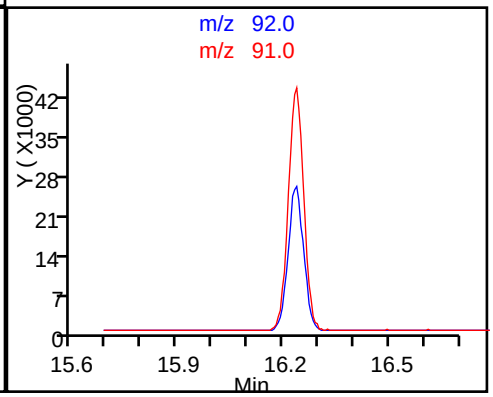












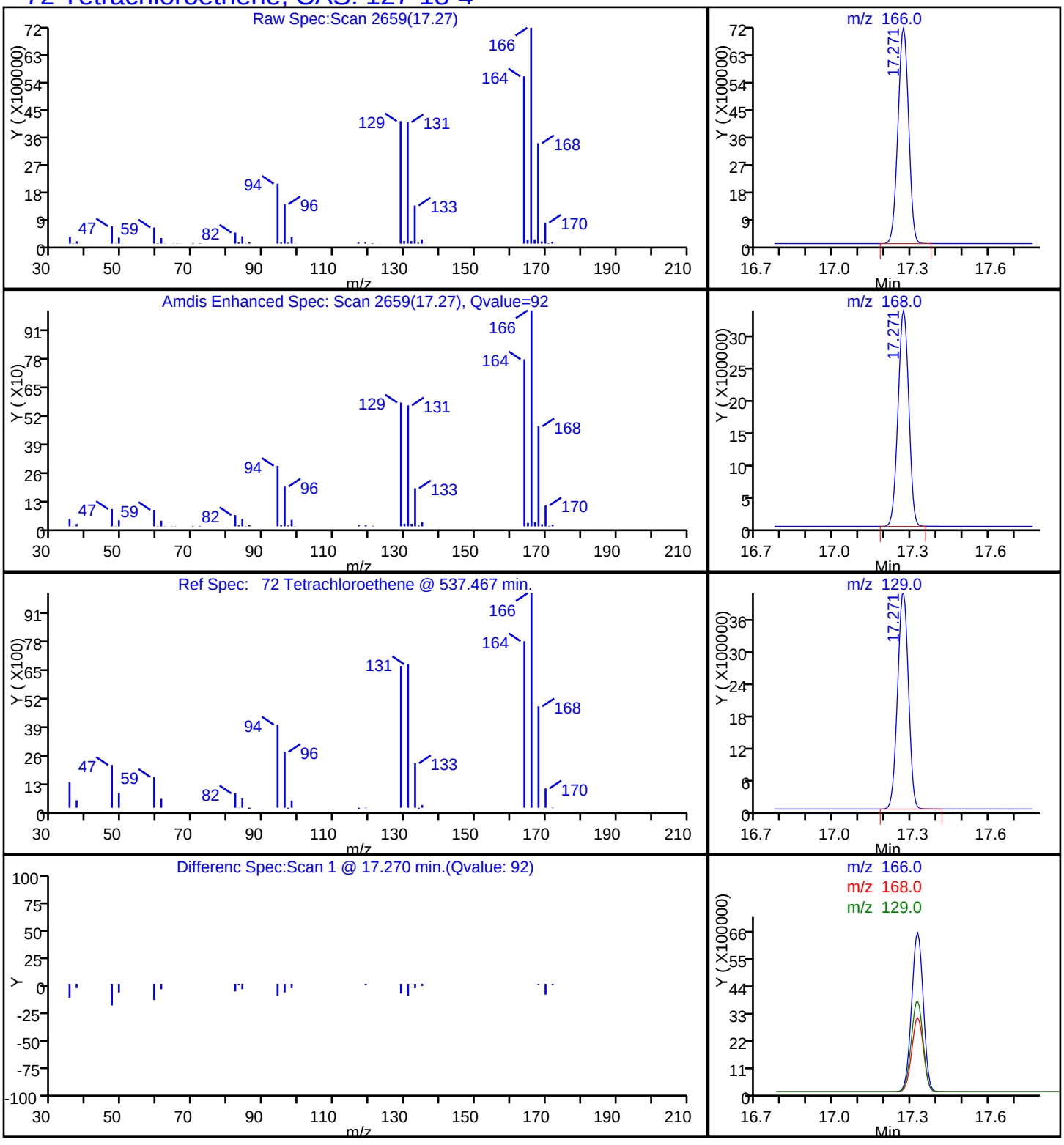
Report Date: 11-Apr-2014 10:51:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



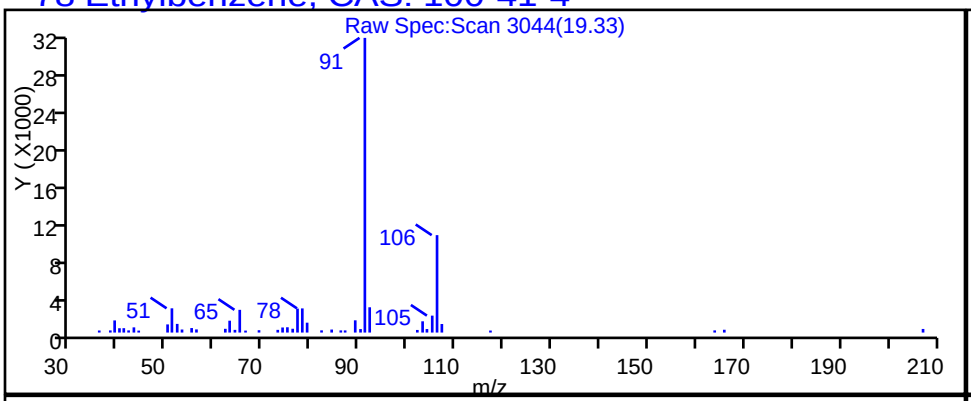
Report Date: 11-Apr-2014 10:51:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

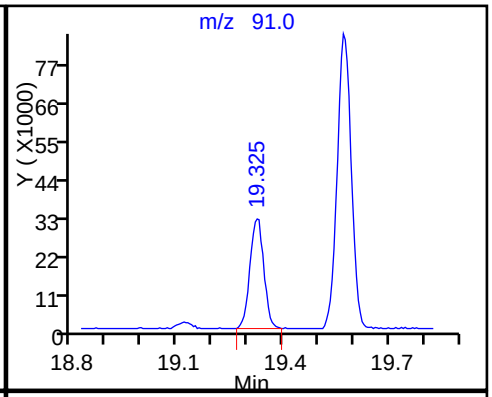
TestAmerica Burlington

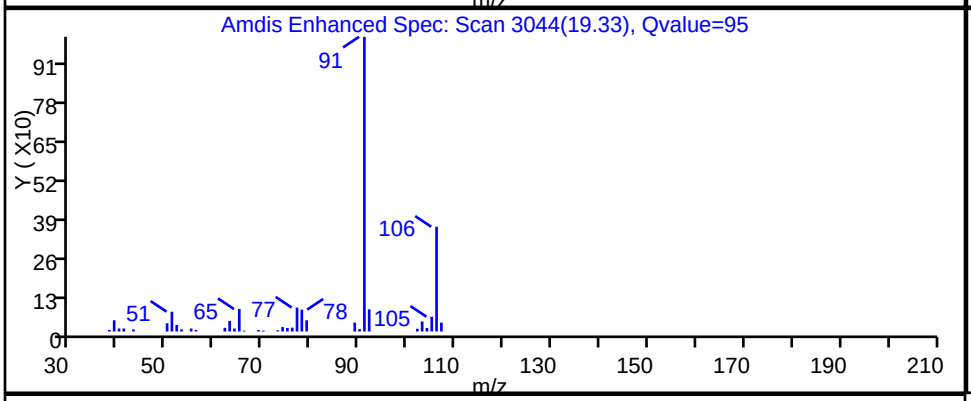
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

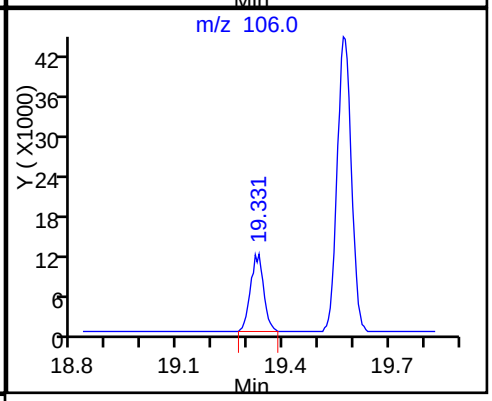
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

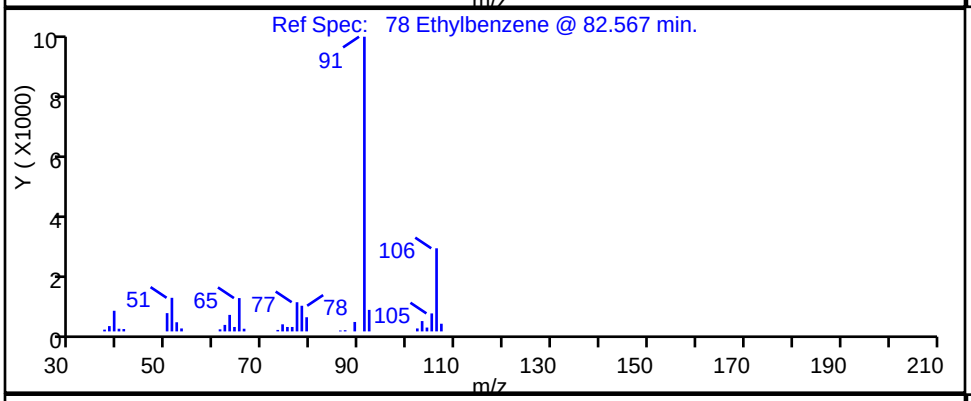
78 Ethylbenzene, CAS: 100-41-4

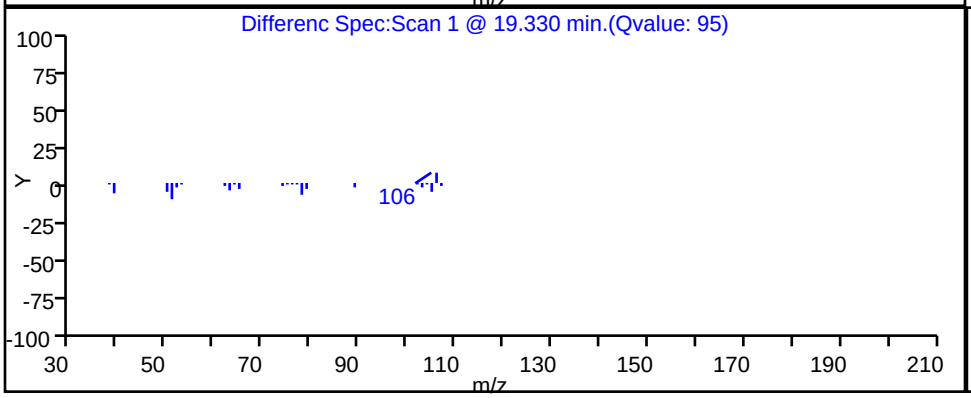


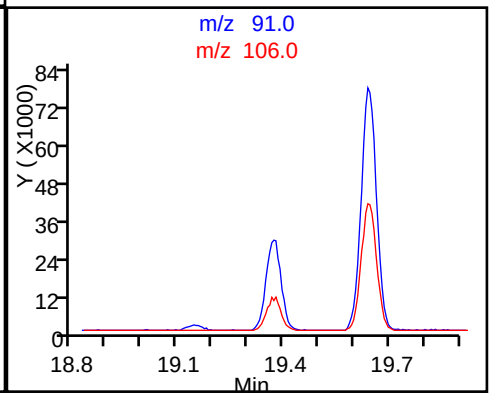












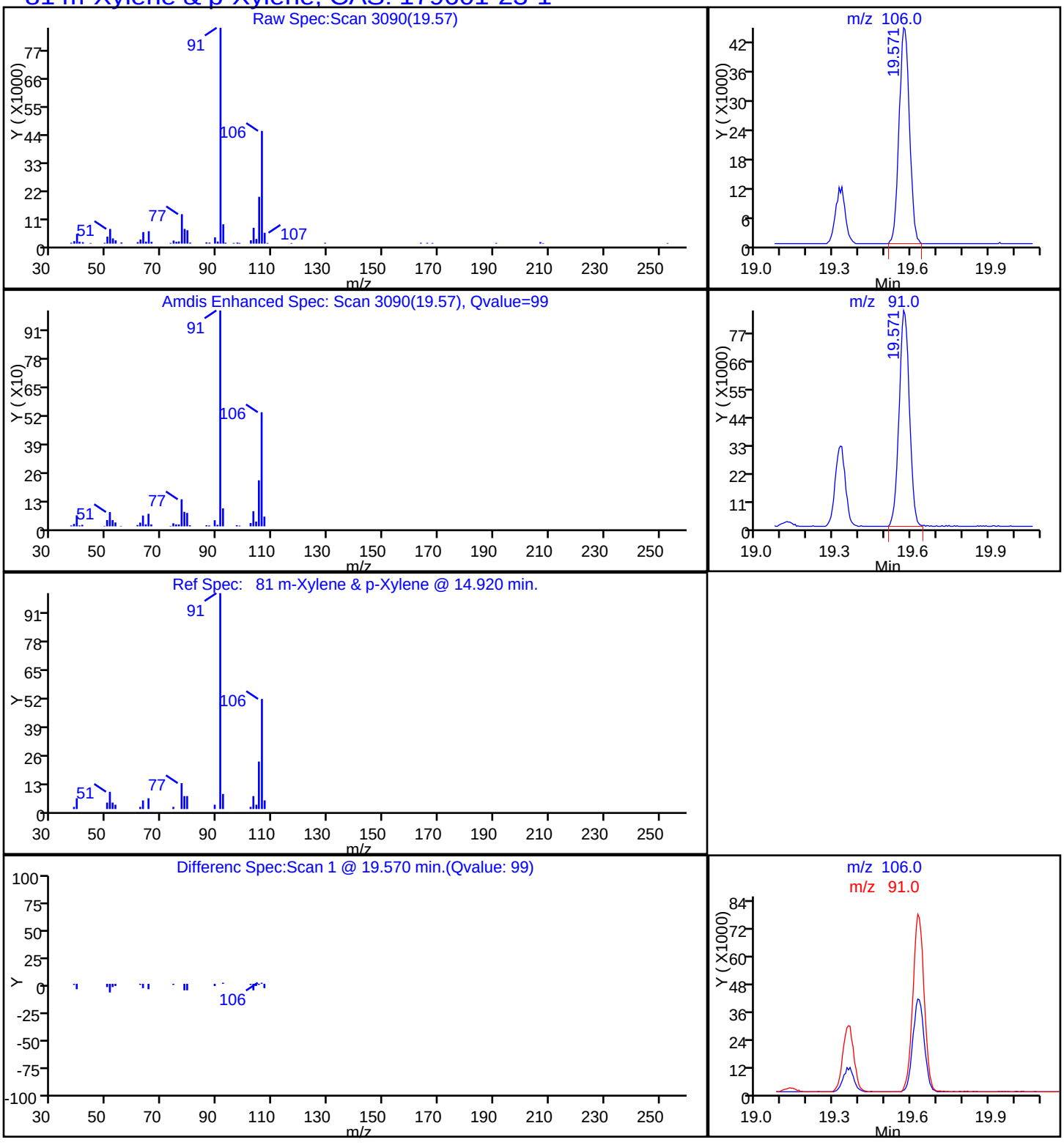
Report Date: 11-Apr-2014 10:51:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



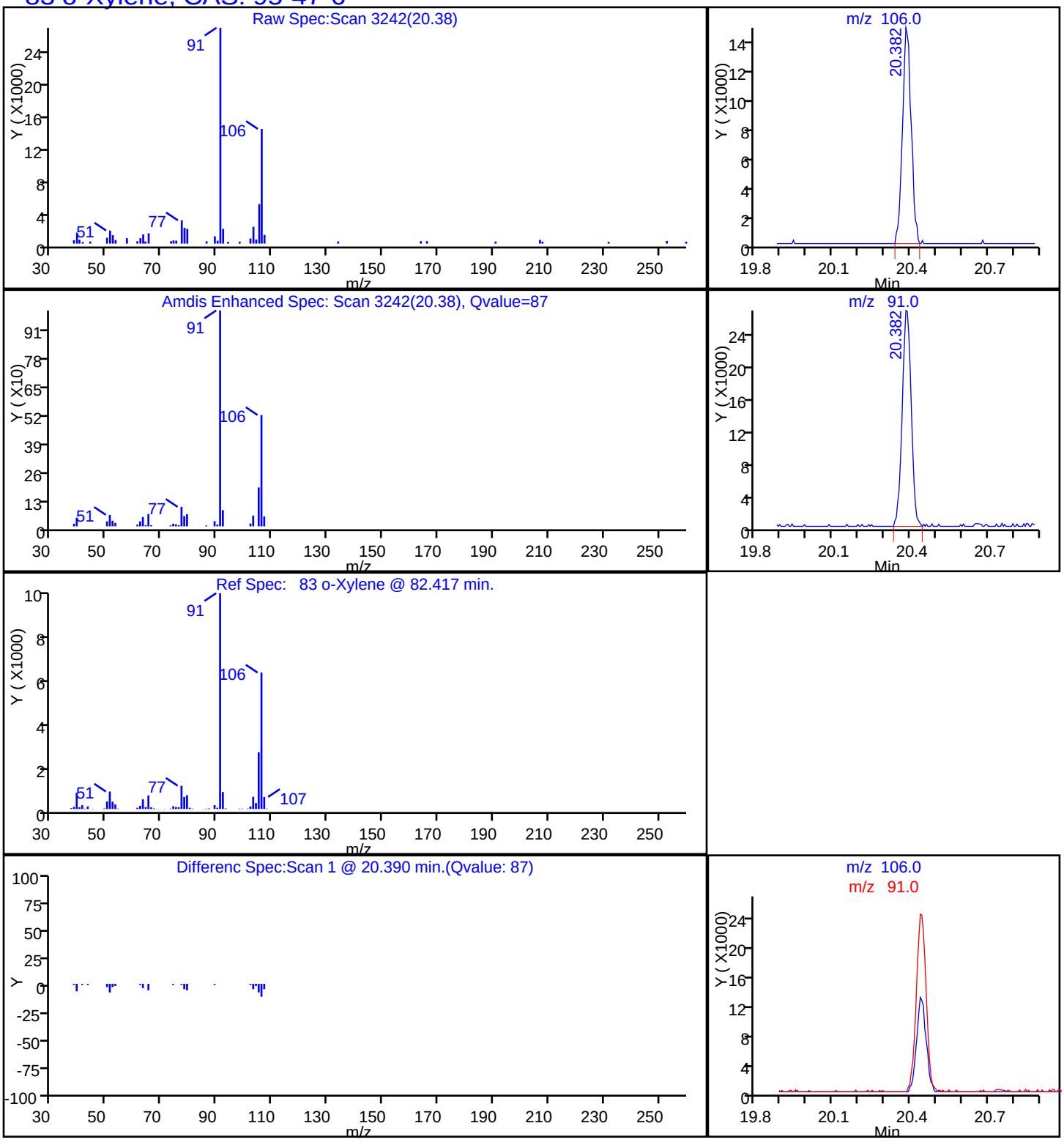
Report Date: 11-Apr-2014 10:51:53 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



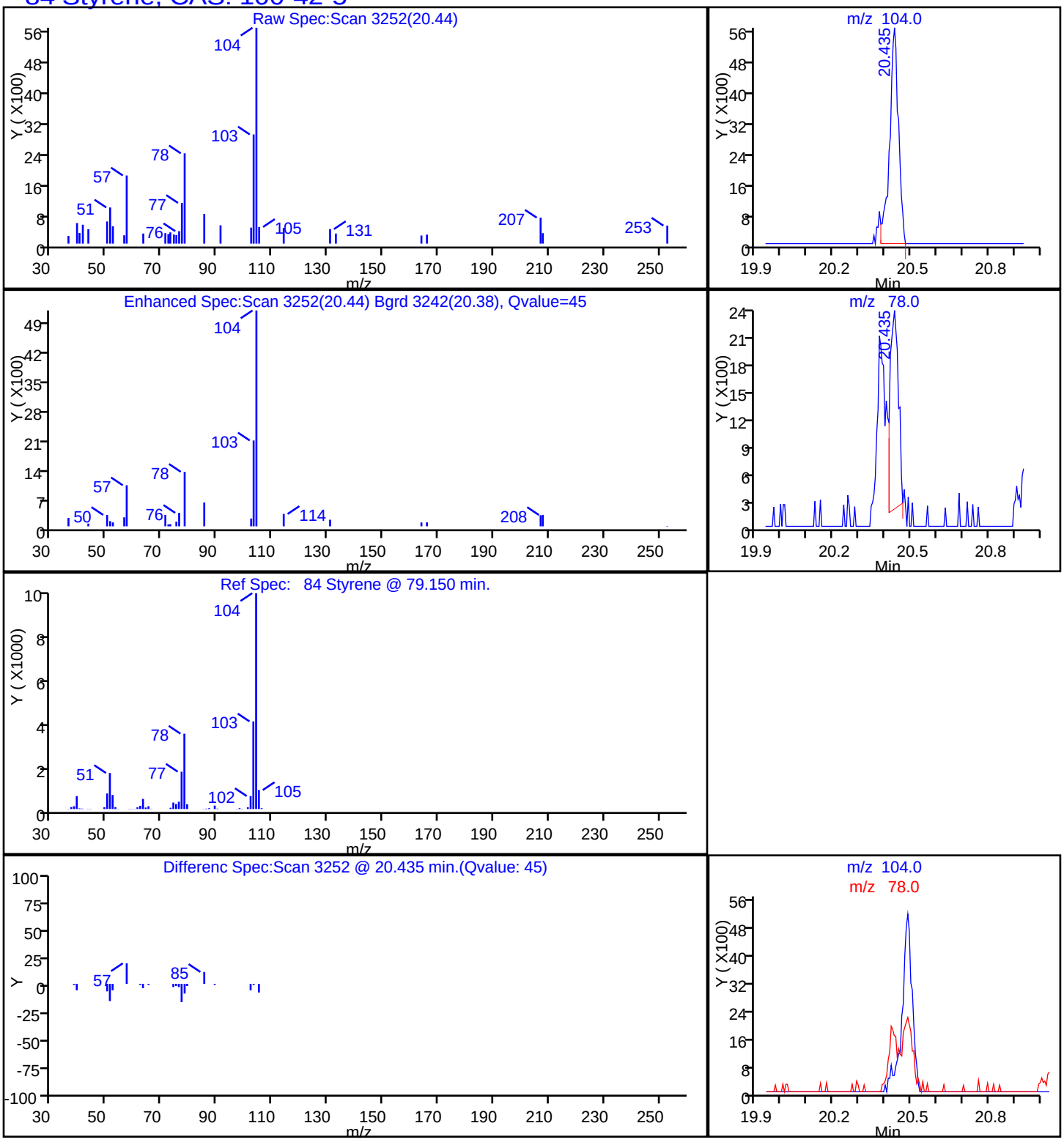
Report Date: 11-Apr-2014 10:51:54 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5



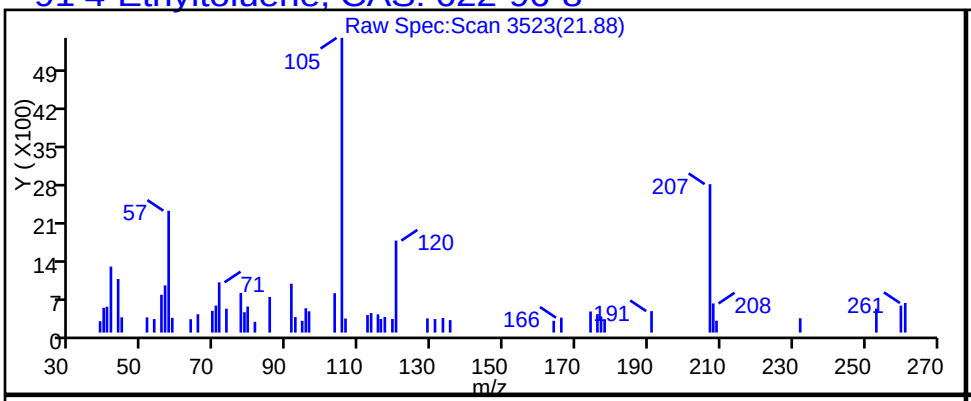
Report Date: 11-Apr-2014 10:51:54 Chrom Revision: 2.2 10-Apr-2014 15:11:30

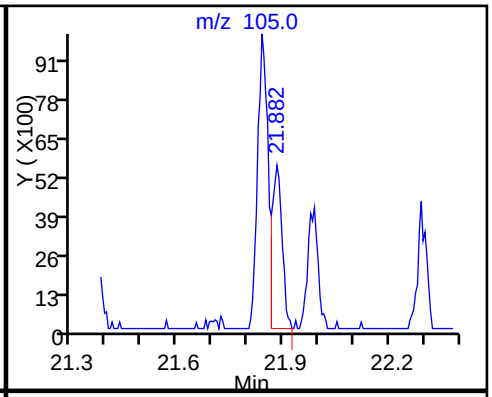
TestAmerica Burlington

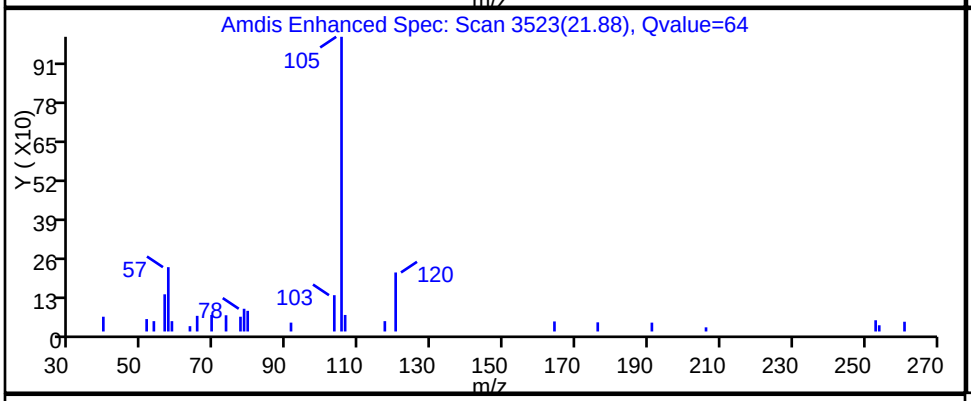
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

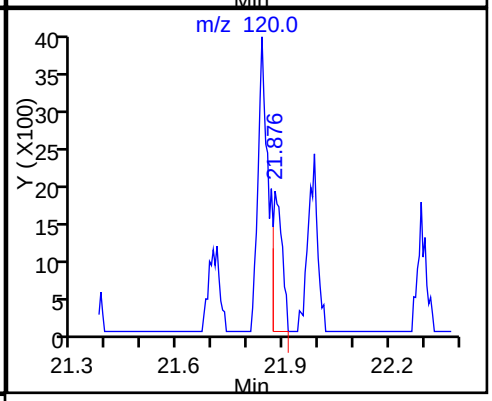
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

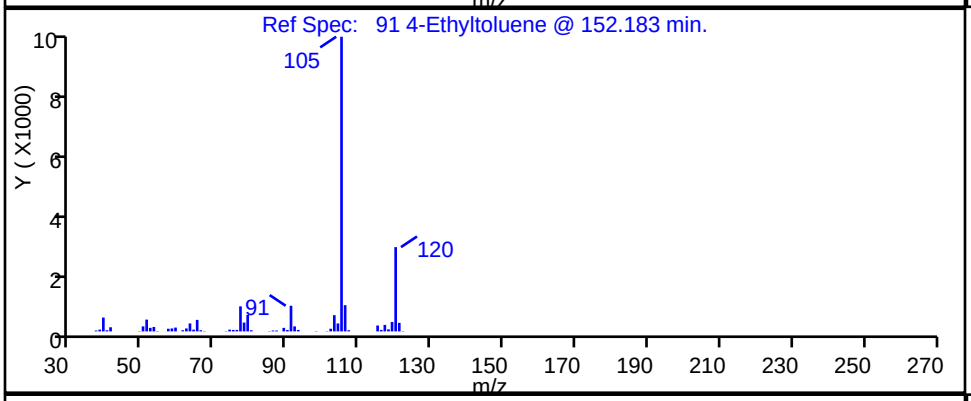
91 4-Ethyltoluene, CAS: 622-96-8

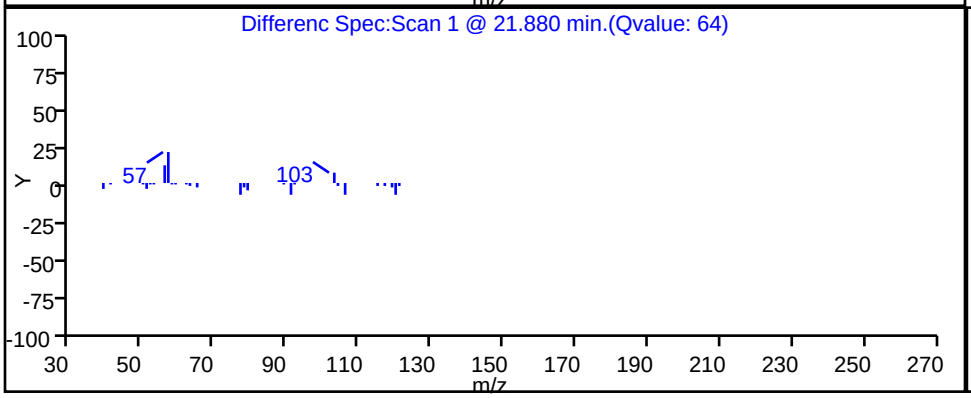


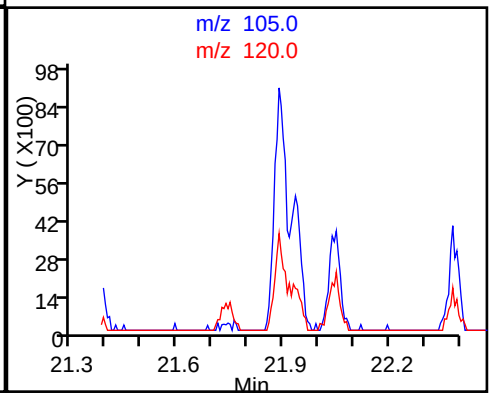












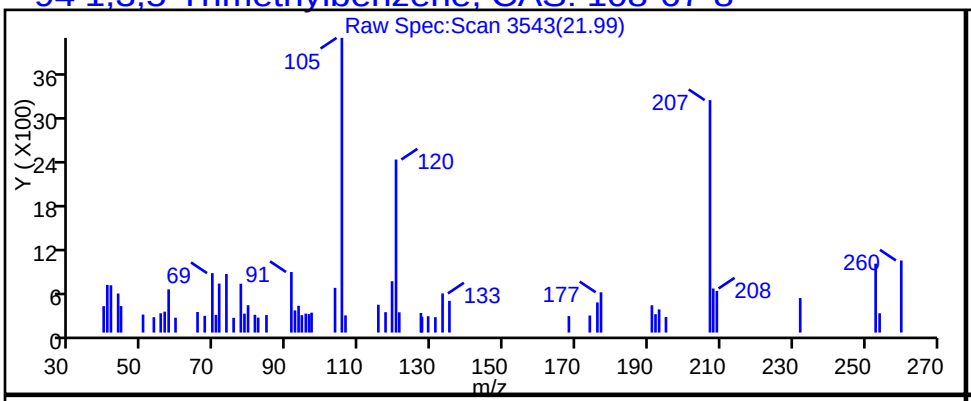
Report Date: 11-Apr-2014 10:51:54 Chrom Revision: 2.2 10-Apr-2014 15:11:30

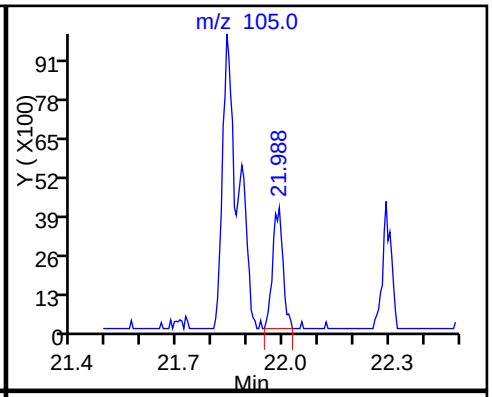
TestAmerica Burlington

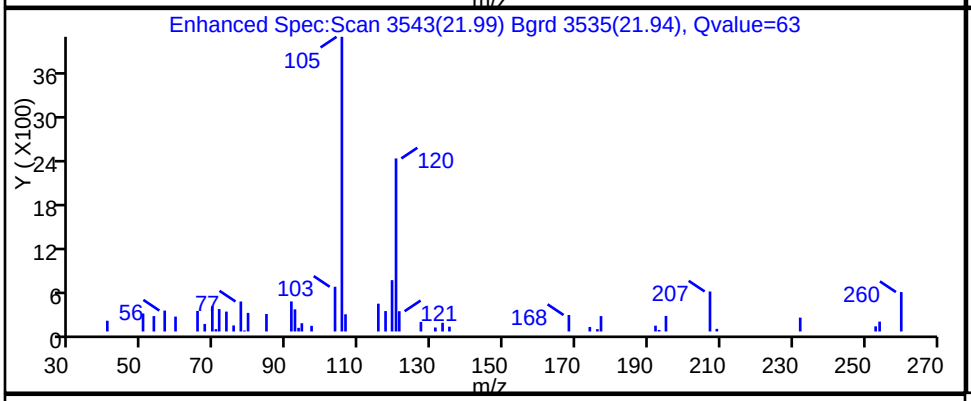
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

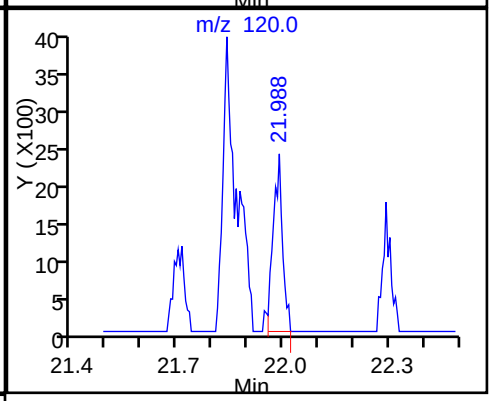
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

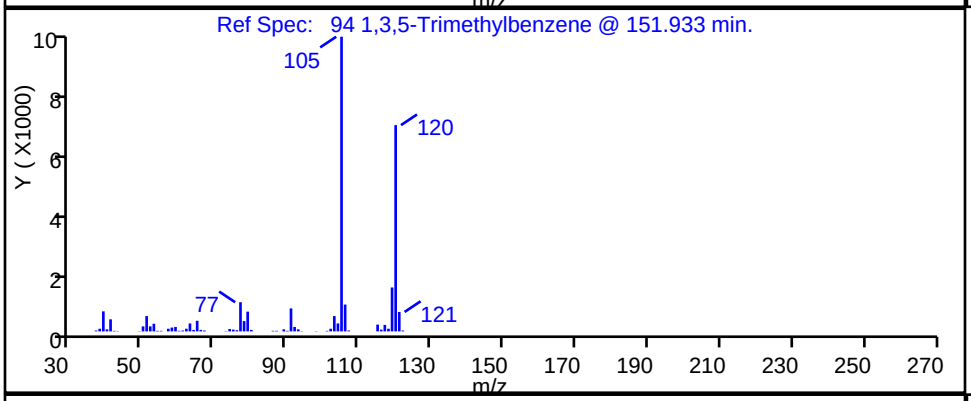
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

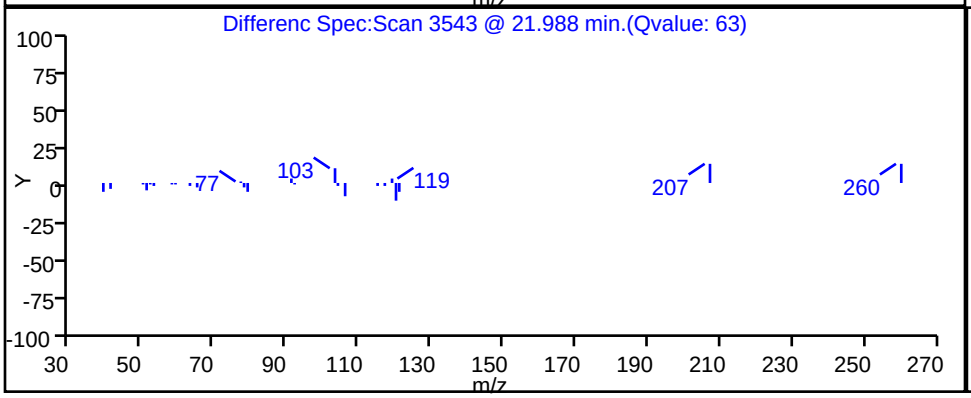


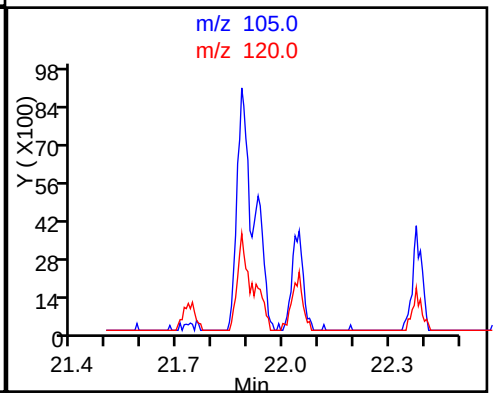












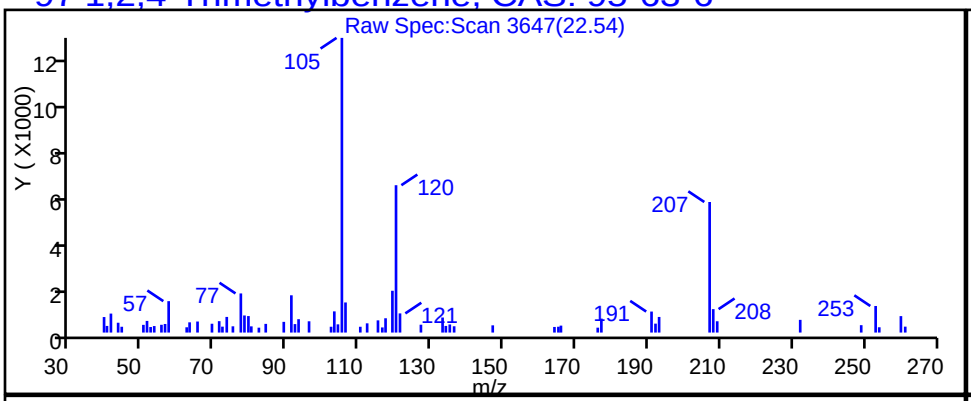
Report Date: 11-Apr-2014 10:51:54 Chrom Revision: 2.2 10-Apr-2014 15:11:30

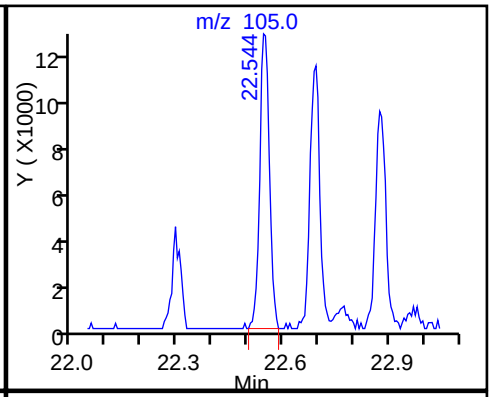
TestAmerica Burlington

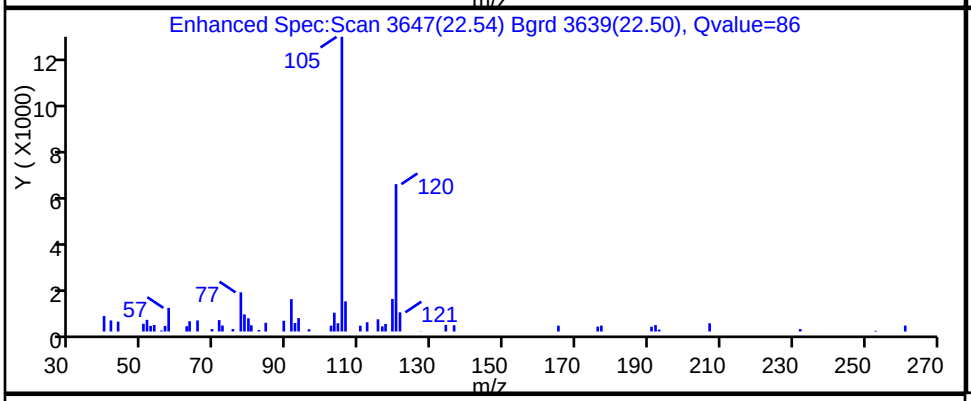
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

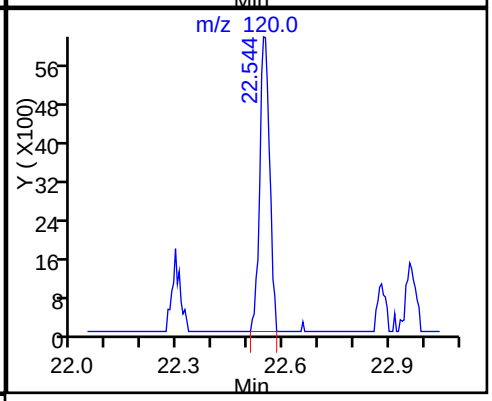
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

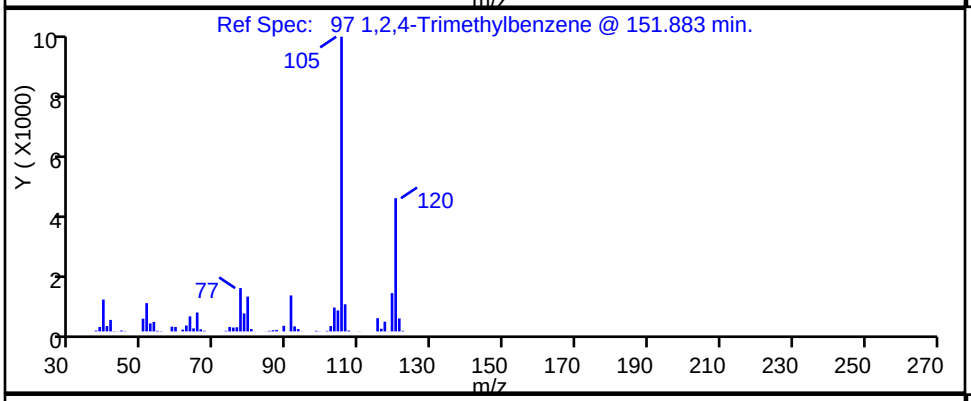
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

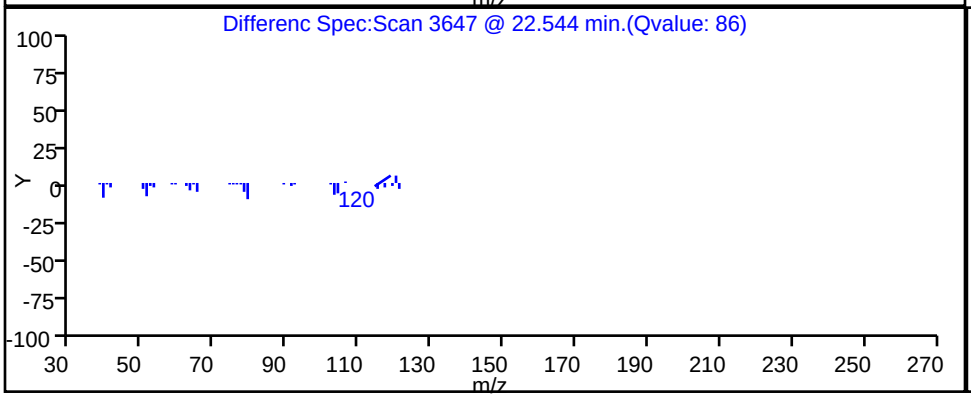


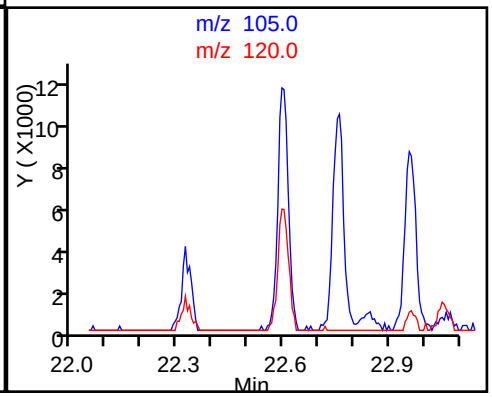












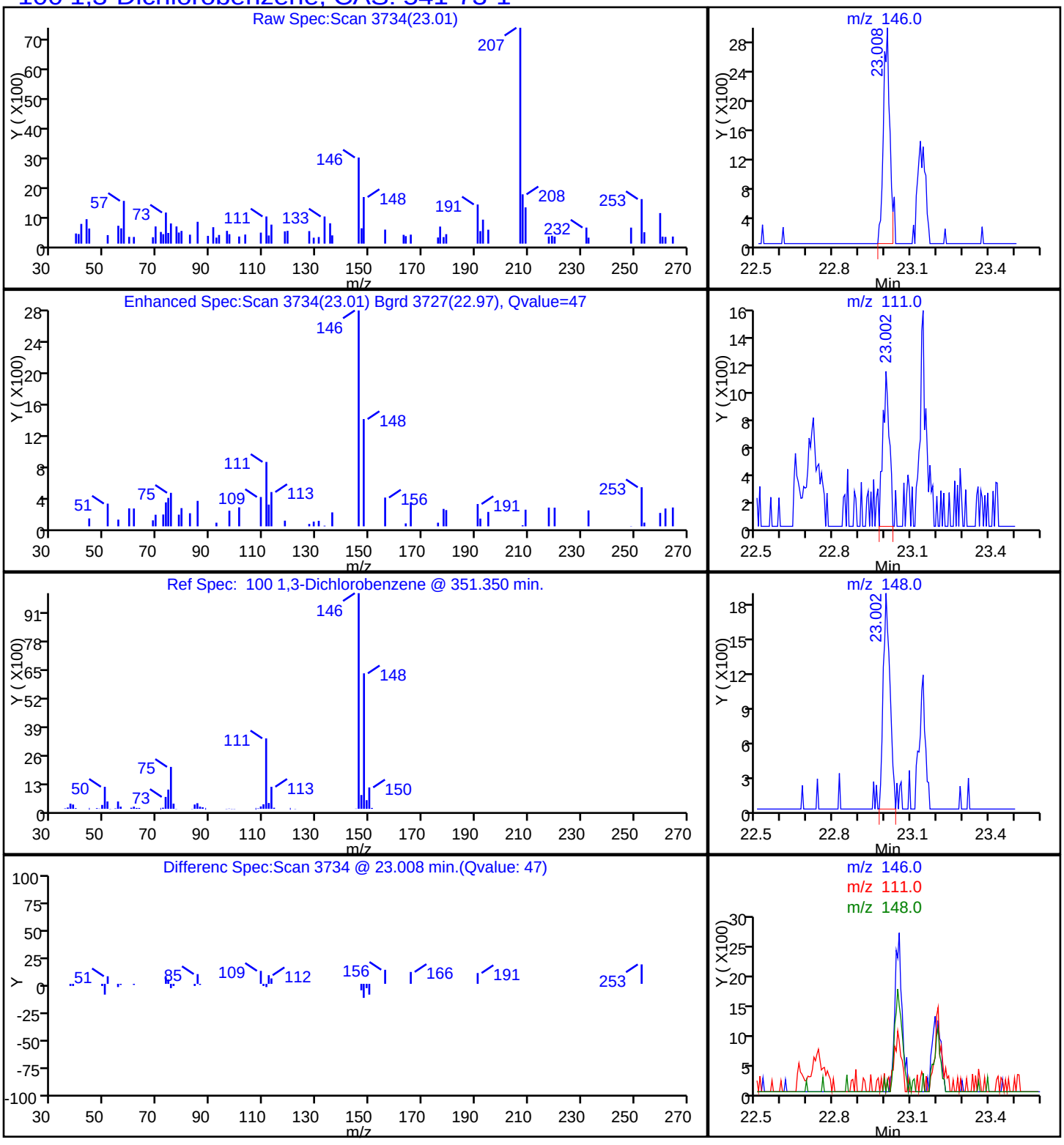
Report Date: 11-Apr-2014 10:51:54 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D

Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



Manual Integration/User Assign Peak Report

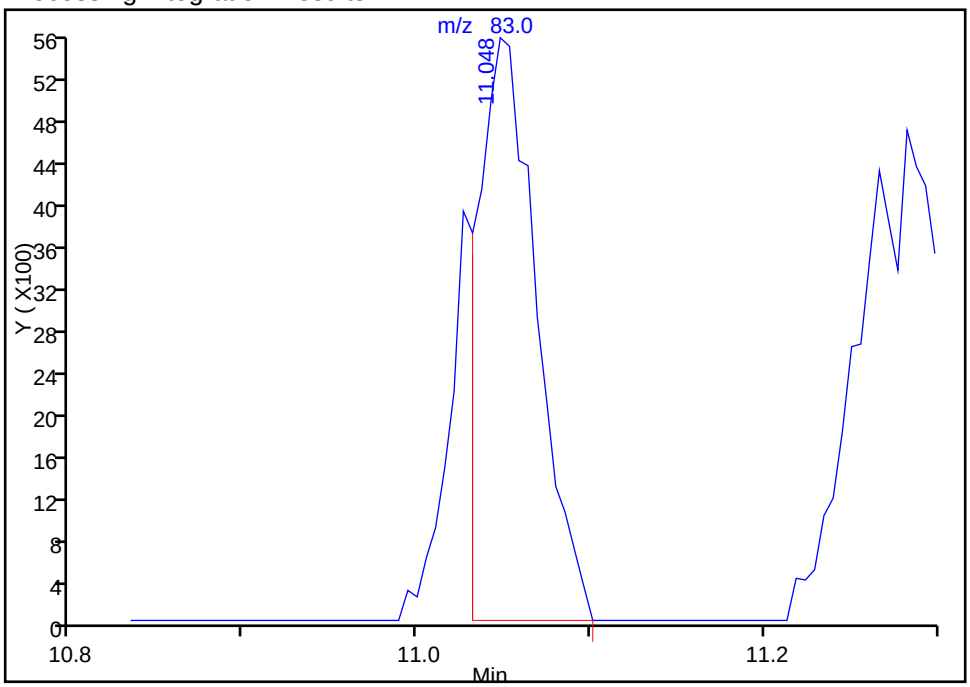
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D				
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3

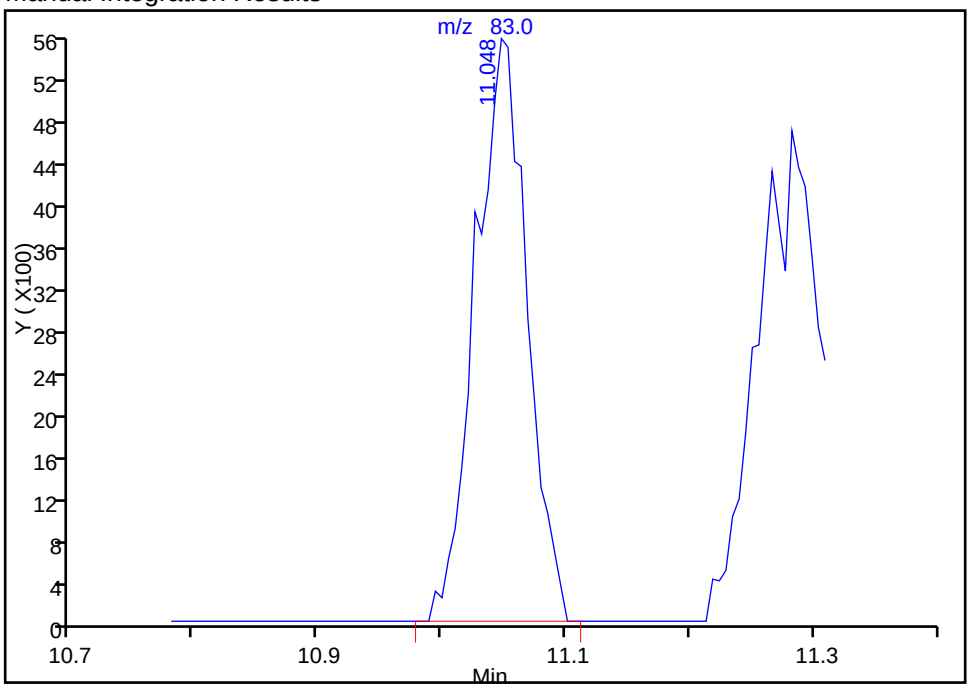
Processing Integration Results

RT: 11.05
Response: 13057
Amount: 0.110867



Manual Integration Results

RT: 11.05
Response: 16108
Amount: 0.136773



Reviewer: desjardinsb, 11-Apr-2014 10:51:52
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

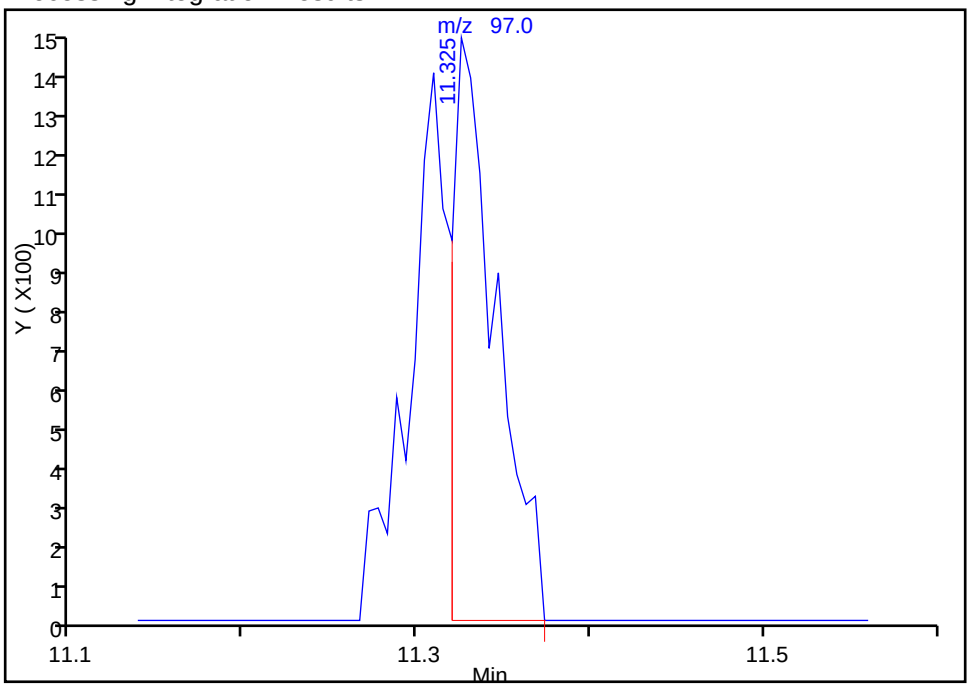
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D				
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

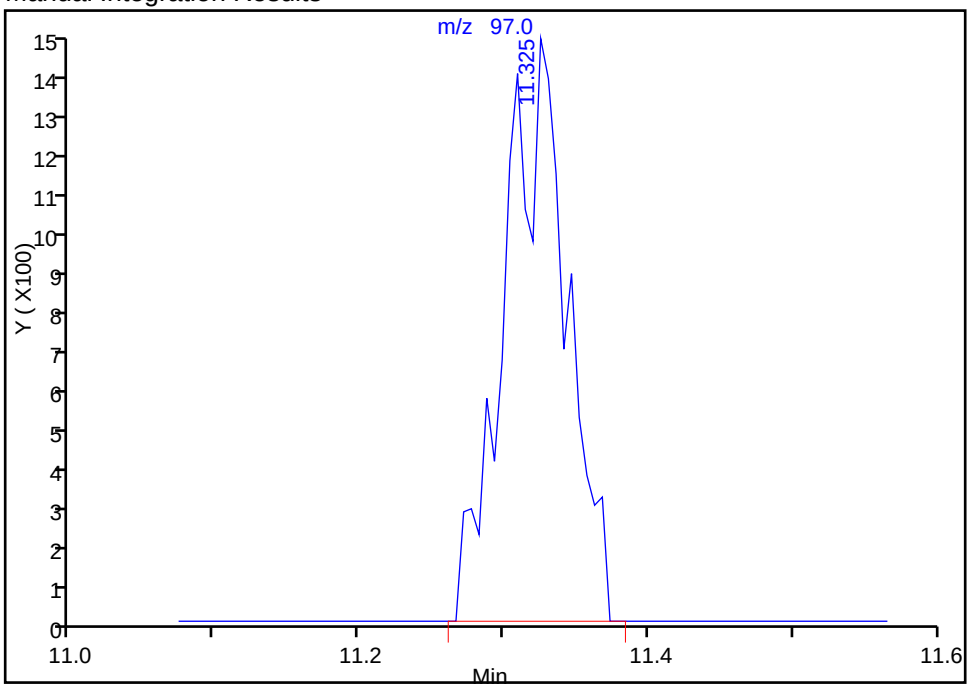
Processing Integration Results

RT: 11.33
Response: 2601
Amount: 0.017607



Manual Integration Results

RT: 11.33
Response: 4553
Amount: 0.030820



Reviewer: desjardinsb, 11-Apr-2014 10:51:52
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

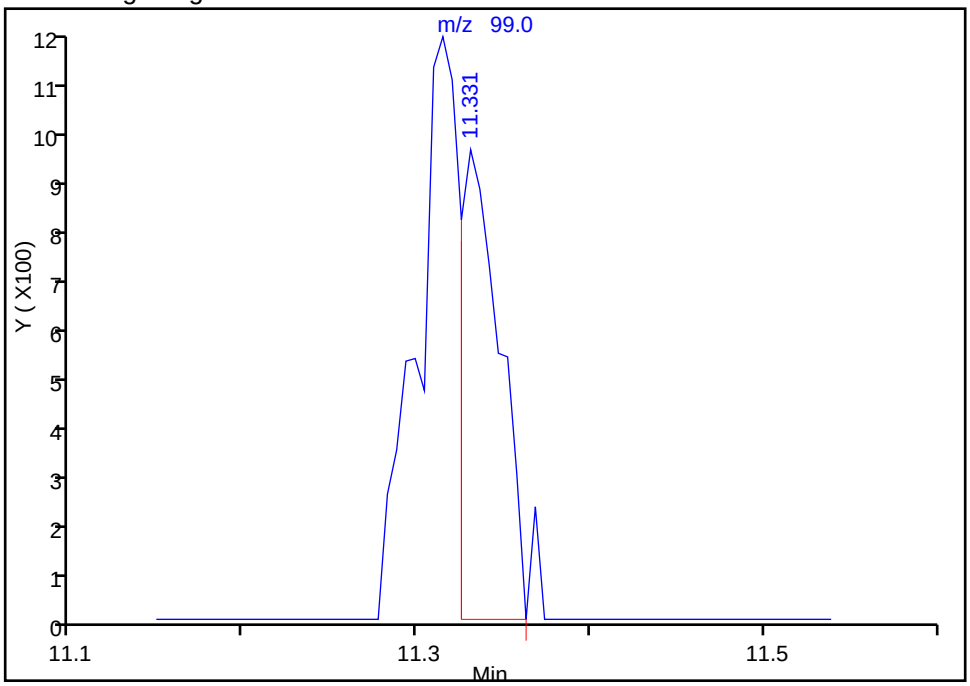
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D				
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

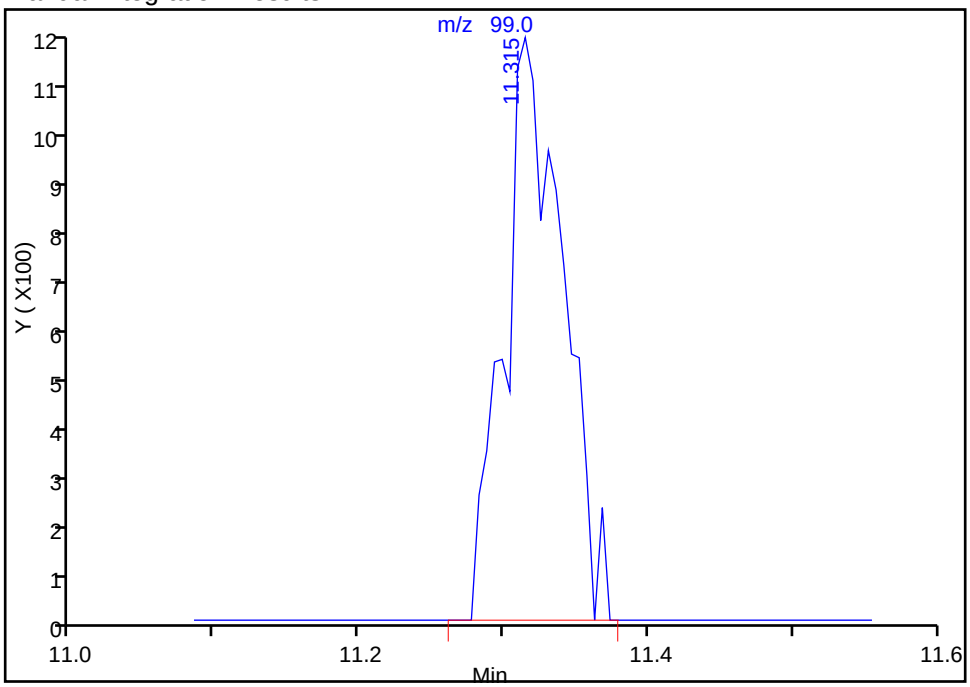
Processing Integration Results

RT: 11.33
Response: 1417
Amount: 0.017607



Manual Integration Results

RT: 11.31
Response: 3140
Amount: 0.030820



Reviewer: desjardinsb, 11-Apr-2014 10:51:52
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

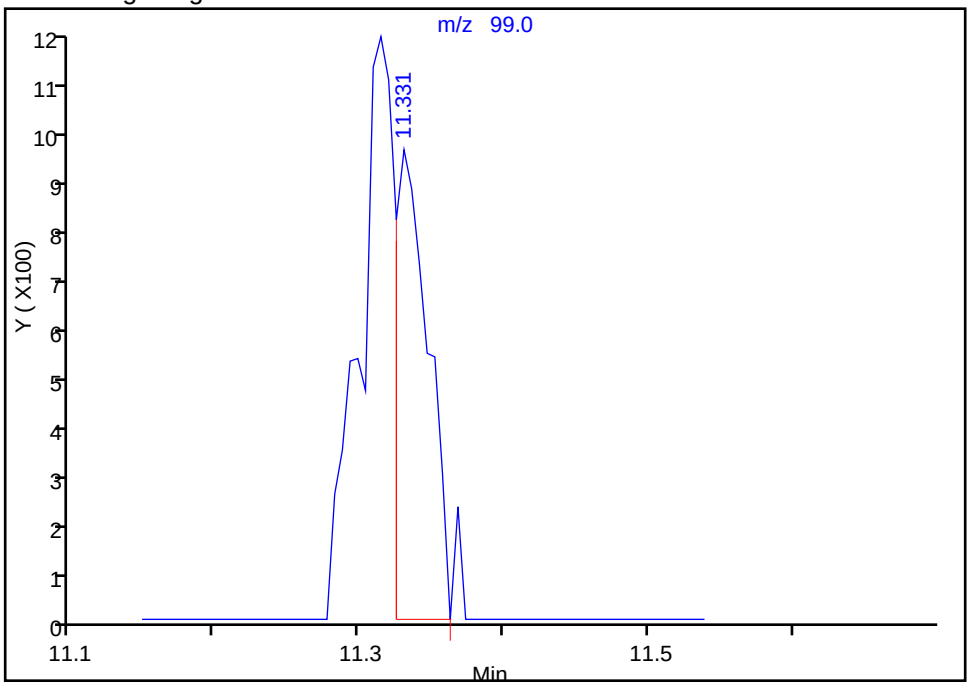
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D				
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

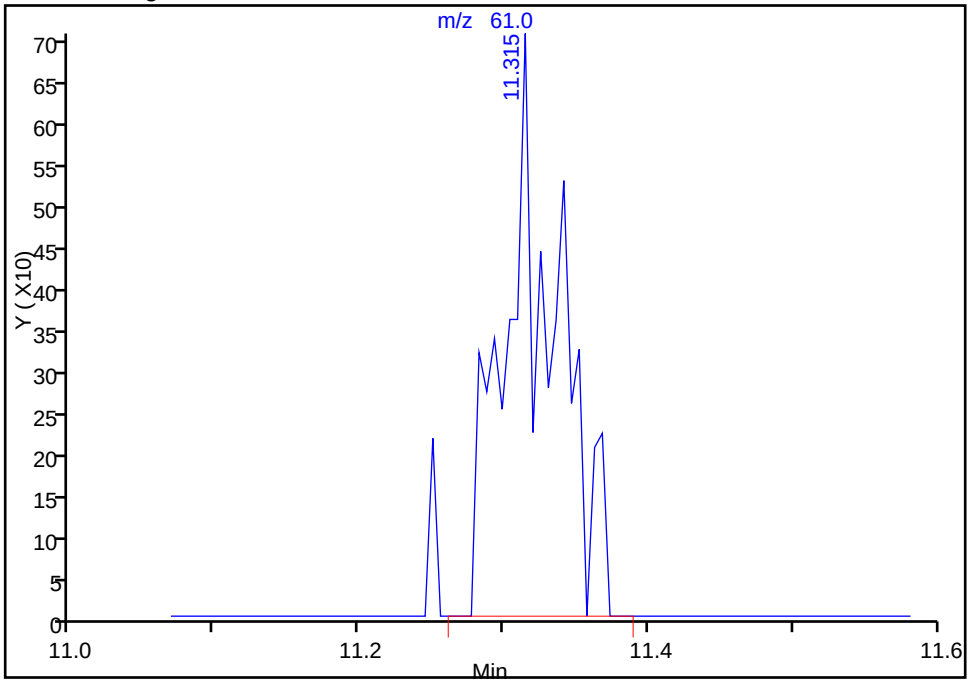
Processing Integration Results

RT: 11.33
Response: 0
Amount: 0.017607



Manual Integration Results

RT: 11.31
Response: 1729
Amount: 0.030820



Reviewer: desjardinsb, 11-Apr-2014 10:51:52
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

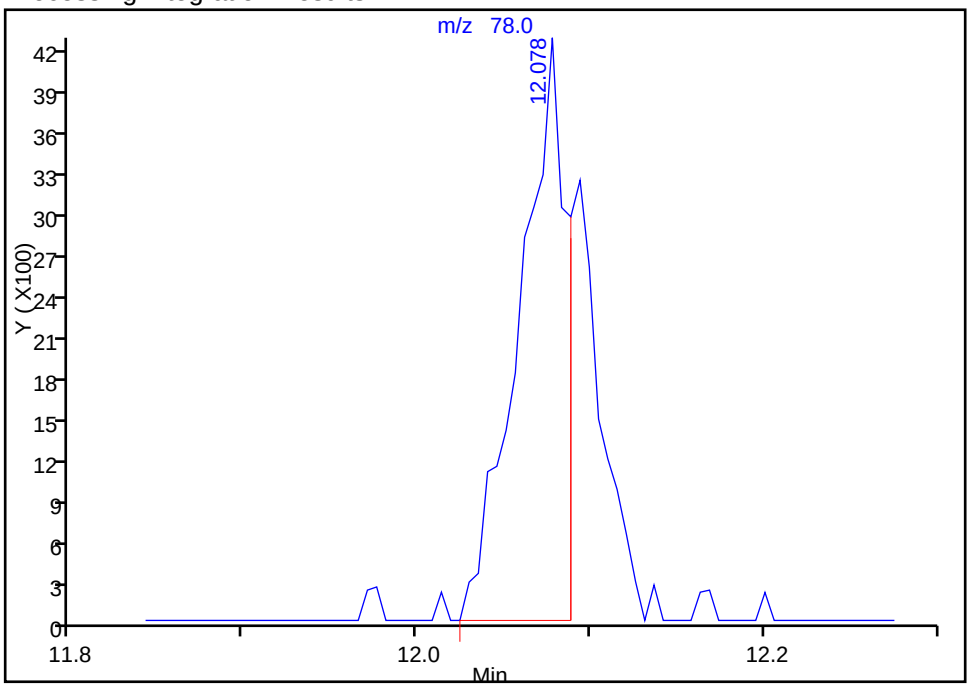
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D				
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2

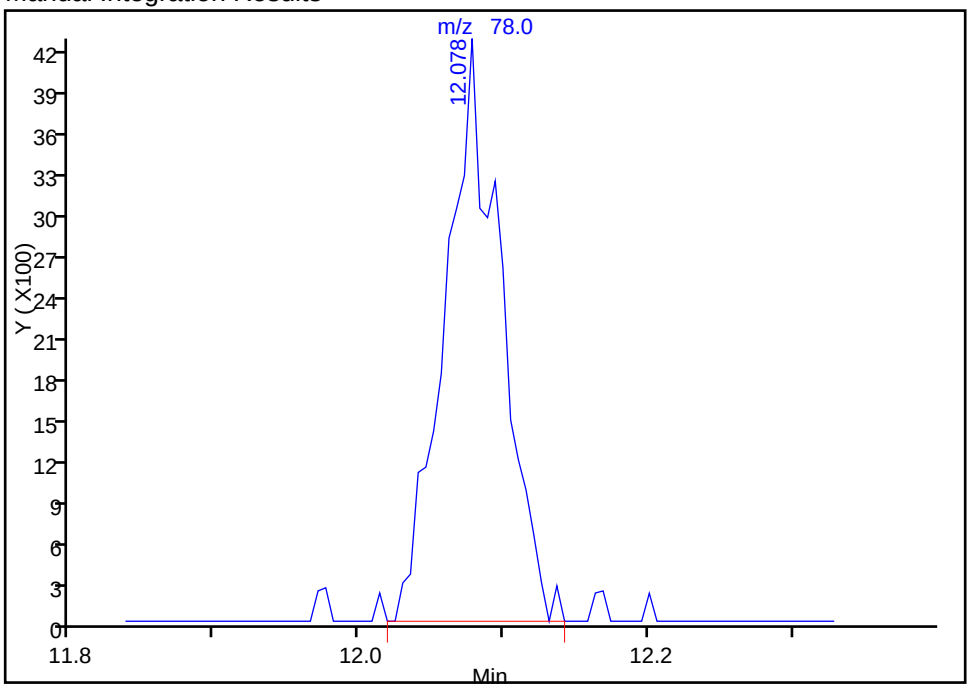
Processing Integration Results

RT: 12.08
Response: 8062
Amount: 0.051107



Manual Integration Results

RT: 12.08
Response: 11428
Amount: 0.072445



Reviewer: desjardinsb, 11-Apr-2014 10:51:52
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

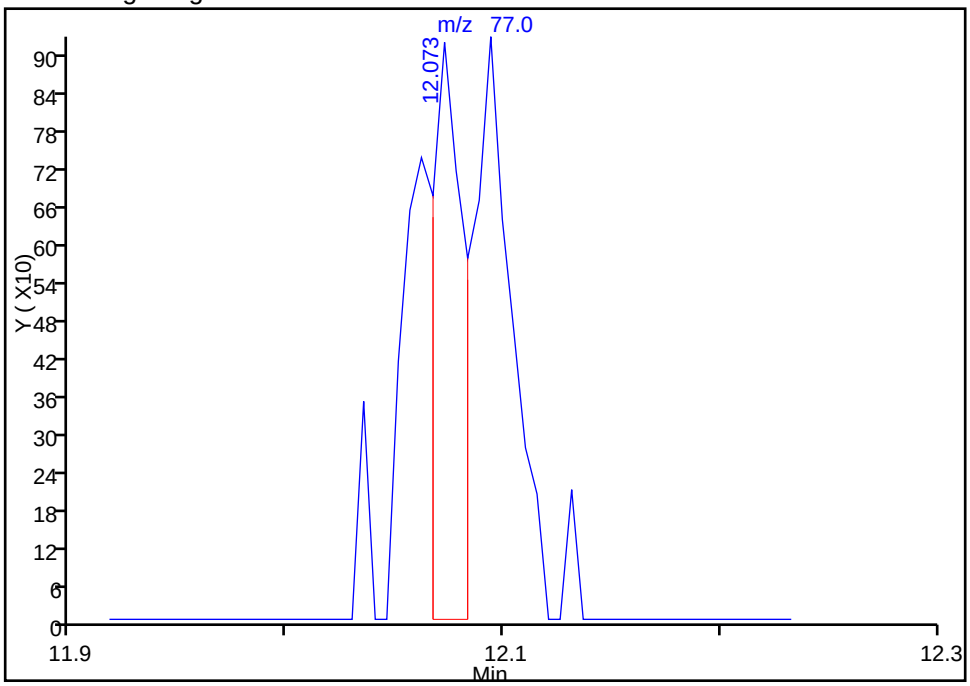
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_11.D				
Injection Date:	10-Apr-2014 22:05:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2

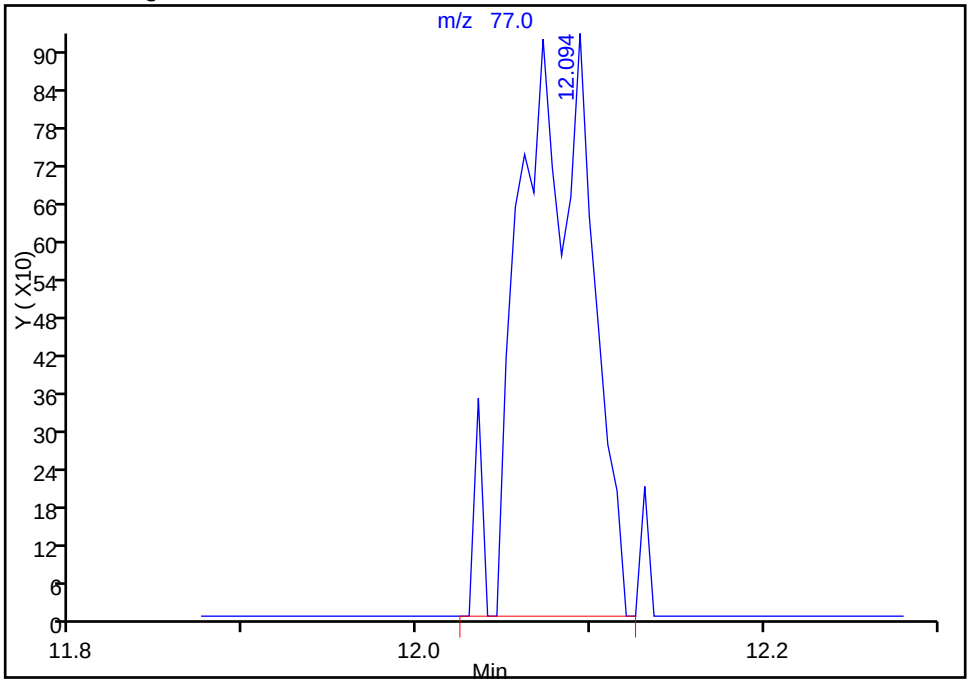
Processing Integration Results

RT: 12.07
Response: 924
Amount: 0.051107



Manual Integration Results

RT: 12.09
Response: 2629
Amount: 0.072445



Reviewer: desjardinsb, 11-Apr-2014 10:51:52
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-1 DL Lab Sample ID: 200-21727-5 DL

Matrix: Air Lab File ID: 6977_12.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:55

Sample wt/vol: 80(mL) Date Analyzed: 04/10/2014 22:57

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	5.4	D	1.3	0.075
75-45-6	Freon 22	86.47	0.30	J D	1.3	0.12
76-14-2	Freon-114	170.92	0.50	U	0.50	0.088
74-87-3	Chloromethane	50.49	1.3	U	1.3	0.34
106-97-8	n-Butane	58.12	1.3	U	1.3	0.71
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.095
106-99-0	1,3-Butadiene	54.09	0.50	U	0.50	0.11
74-83-9	Bromomethane	94.94	0.50	U	0.50	0.070
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.075
593-60-2	Vinyl bromide	106.96	0.50	U	0.50	0.075
75-69-4	Freon 11	137.37	0.68	D	0.50	0.075
76-13-1	Freon 113	187.38	0.10	J D	0.50	0.045
75-35-4	1,1-Dichloroethene	96.94	0.50	U	0.50	0.060
67-64-1	Acetone	58.08	4.9	J D	13	3.1
67-63-0	Isopropyl alcohol	60.10	11	J D	13	0.54
75-15-0	Carbon disulfide	76.14	1.9	D	1.3	0.17
107-05-1	Allyl chloride	76.53	1.3	U	1.3	0.085
75-09-2	Methylene Chloride	84.93	1.2	J D	1.3	0.31
75-65-0	tert-Butyl alcohol	74.12	13	U	13	0.82
1634-04-4	Methyl tert-butyl ether	88.15	0.50	U	0.50	0.055
156-60-5	trans-1,2-Dichloroethene	96.94	1.2	D	0.50	0.073
110-54-3	Hexane	86.17	0.50	U	0.50	0.085
75-34-3	1,1-Dichloroethane	98.96	0.50	U	0.50	0.095
78-93-3	Methyl Ethyl Ketone	72.11	1.2	J D	1.3	0.61
156-59-2	cis-1,2-Dichloroethene	96.94	1.8	D	0.50	0.095
540-59-0	1,2-Dichloroethene, Total	96.94	3.0	D	0.50	0.16
67-66-3	Chloroform	119.38	0.12	J D	0.50	0.063
109-99-9	Tetrahydrofuran	72.11	13	U	13	0.12
71-55-6	1,1,1-Trichloroethane	133.41	0.50	U	0.50	0.053
110-82-7	Cyclohexane	84.16	4.2	D	0.50	0.063
56-23-5	Carbon tetrachloride	153.81	0.067	J D	0.10	0.053
540-84-1	2,2,4-Trimethylpentane	114.23	0.50	U	0.50	0.068
71-43-2	Benzene	78.11	0.079	J D	0.50	0.048
107-06-2	1,2-Dichloroethane	98.96	0.50	U	0.50	0.043
142-82-5	Heptane	100.21	0.50	U	0.50	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-1 DL Lab Sample ID: 200-21727-5 DL

Matrix: Air Lab File ID: 6977_12.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:55

Sample wt/vol: 80(mL) Date Analyzed: 04/10/2014 22:57

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	4.9	D	0.10	0.060
80-62-6	Methyl methacrylate	100.12	1.3	U	1.3	0.075
78-87-5	1,2-Dichloropropane	112.99	0.50	U	0.50	0.080
123-91-1	1,4-Dioxane	88.11	13	U	13	0.50
75-27-4	Bromodichloromethane	163.83	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	110.97	0.50	U	0.50	0.070
108-10-1	methyl isobutyl ketone	100.16	0.18	J D	1.3	0.068
108-88-3	Toluene	92.14	0.50	D	0.50	0.043
10061-02-6	trans-1,3-Dichloropropene	110.97	0.50	U	0.50	0.055
79-00-5	1,1,2-Trichloroethane	133.41	0.50	U	0.50	0.043
127-18-4	Tetrachloroethene	165.83	98	D	0.50	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.3	U	1.3	0.50
124-48-1	Dibromochloromethane	208.29	0.50	U	0.50	0.050
106-93-4	1,2-Dibromoethane	187.87	0.50	U	0.50	0.050
108-90-7	Chlorobenzene	112.56	0.50	U	0.50	0.020
100-41-4	Ethylbenzene	106.17	0.22	J D	0.50	0.033
179601-23-1	m,p-Xylene	106.17	0.75	J D	1.3	0.058
95-47-6	Xylene, o-	106.17	0.19	J D	0.50	0.040
1330-20-7	Xylene (total)	106.17	0.94	D	0.50	0.085
100-42-5	Styrene	104.15	0.50	U	0.50	0.045
75-25-2	Bromoform	252.75	0.50	U	0.50	0.025
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.50	U	0.50	0.040
103-65-1	n-Propylbenzene	120.19	0.50	U	0.50	0.20
622-96-8	4-Ethyltoluene	120.20	0.50	U	0.50	0.045
108-67-8	1,3,5-Trimethylbenzene	120.20	0.50	U	0.50	0.030
95-49-8	2-Chlorotoluene	126.59	0.50	U	0.50	0.033
98-06-6	tert-Butylbenzene	134.22	0.50	U	0.50	0.043
95-63-6	1,2,4-Trimethylbenzene	120.20	0.056	J D	0.50	0.035
135-98-8	sec-Butylbenzene	134.22	0.50	U	0.50	0.20
99-87-6	4-Isopropyltoluene	134.22	0.50	U	0.50	0.20
541-73-1	1,3-Dichlorobenzene	147.00	0.50	U	0.50	0.035
106-46-7	1,4-Dichlorobenzene	147.00	0.50	U	0.50	0.035
100-44-7	Benzyl chloride	126.58	0.50	U	0.50	0.20
104-51-8	n-Butylbenzene	134.22	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-1 DL Lab Sample ID: 200-21727-5 DL

Matrix: Air Lab File ID: 6977_12.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:55

Sample wt/vol: 80(mL) Date Analyzed: 04/10/2014 22:57

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	*1,2-Dichlorobenzene*	*147.00*	*0.50*	*U*	*0.50*	*0.035*
120-82-1	*1,2,4-Trichlorobenzene*	*181.45*	*1.3*	*U*	*1.3*	*0.068*
87-68-3	*Hexachloro-1,3-butadiene*	*260.76*	*0.50*	*U*	*0.50*	*0.055*
91-20-3	*Naphthalene*	*128.17*	*1.3*	*U*	*1.3*	*0.50*

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-1 DL Lab Sample ID: 200-21727-5 DL

Matrix: Air Lab File ID: 6977_12.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:55

Sample wt/vol: 80(mL) Date Analyzed: 04/10/2014 22:57

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	26	D	6.2	0.37
75-45-6	Freon 22	86.47	1.0	J D	4.4	0.42
76-14-2	Freon-114	170.92	3.5	U	3.5	0.61
74-87-3	Chloromethane	50.49	2.6	U	2.6	0.70
106-97-8	n-Butane	58.12	3.0	U	3.0	1.7
75-01-4	Vinyl chloride	62.50	0.26	U	0.26	0.24
106-99-0	1,3-Butadiene	54.09	1.1	U	1.1	0.23
74-83-9	Bromomethane	94.94	1.9	U	1.9	0.27
75-00-3	Chloroethane	64.52	3.3	U	3.3	0.20
593-60-2	Vinyl bromide	106.96	2.2	U	2.2	0.33
75-69-4	Freon 11	137.37	3.8	D	2.8	0.42
76-13-1	Freon 113	187.38	0.79	J D	3.8	0.34
75-35-4	1,1-Dichloroethene	96.94	2.0	U	2.0	0.24
67-64-1	Acetone	58.08	12	J D	30	7.4
67-63-0	Isopropyl alcohol	60.10	28	J D	31	1.3
75-15-0	Carbon disulfide	76.14	6.0	D	3.9	0.51
107-05-1	Allyl chloride	76.53	3.9	U	3.9	0.27
75-09-2	Methylene Chloride	84.93	4.0	J D	4.3	1.1
75-65-0	tert-Butyl alcohol	74.12	38	U	38	2.5
1634-04-4	Methyl tert-butyl ether	88.15	1.8	U	1.8	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	5.0	D	2.0	0.29
110-54-3	Hexane	86.17	1.8	U	1.8	0.30
75-34-3	1,1-Dichloroethane	98.96	2.0	U	2.0	0.38
78-93-3	Methyl Ethyl Ketone	72.11	3.4	J D	3.7	1.8
156-59-2	cis-1,2-Dichloroethene	96.94	7.3	D	2.0	0.38
540-59-0	1,2-Dichloroethene, Total	96.94	12	D	2.0	0.63
67-66-3	Chloroform	119.38	0.61	J D	2.4	0.31
109-99-9	Tetrahydrofuran	72.11	37	U	37	0.34
71-55-6	1,1,1-Trichloroethane	133.41	2.7	U	2.7	0.29
110-82-7	Cyclohexane	84.16	15	D	1.7	0.22
56-23-5	Carbon tetrachloride	153.81	0.42	J D	0.63	0.33
540-84-1	2,2,4-Trimethylpentane	114.23	2.3	U	2.3	0.32
71-43-2	Benzene	78.11	0.25	J D	1.6	0.15
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	0.17
142-82-5	Heptane	100.21	2.0	U	2.0	0.47

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-1 DL Lab Sample ID: 200-21727-5 DL

Matrix: Air Lab File ID: 6977_12.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:55

Sample wt/vol: 80(mL) Date Analyzed: 04/10/2014 22:57

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	27	D	0.54	0.32
80-62-6	Methyl methacrylate	100.12	5.1	U	5.1	0.31
78-87-5	1,2-Dichloropropane	112.99	2.3	U	2.3	0.37
123-91-1	1,4-Dioxane	88.11	45	U	45	1.8
75-27-4	Bromodichloromethane	163.83	3.4	U	3.4	0.28
10061-01-5	cis-1,3-Dichloropropene	110.97	2.3	U	2.3	0.32
108-10-1	methyl isobutyl ketone	100.16	0.75	J D	5.1	0.28
108-88-3	Toluene	92.14	1.9	D	1.9	0.16
10061-02-6	trans-1,3-Dichloropropene	110.97	2.3	U	2.3	0.25
79-00-5	1,1,2-Trichloroethane	133.41	2.7	U	2.7	0.23
127-18-4	Tetrachloroethene	165.83	660	D	3.4	0.27
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.1	U	5.1	2.0
124-48-1	Dibromochloromethane	208.29	4.3	U	4.3	0.43
106-93-4	1,2-Dibromoethane	187.87	3.8	U	3.8	0.38
108-90-7	Chlorobenzene	112.56	2.3	U	2.3	0.093
100-41-4	Ethylbenzene	106.17	0.97	J D	2.2	0.14
179601-23-1	m,p-Xylene	106.17	3.2	J D	5.4	0.25
95-47-6	Xylene, o-	106.17	0.82	J D	2.2	0.17
1330-20-7	Xylene (total)	106.17	4.1	D	2.2	0.37
100-42-5	Styrene	104.15	2.1	U	2.1	0.19
75-25-2	Bromoform	252.75	5.2	U	5.2	0.26
79-34-5	1,1,2,2-Tetrachloroethane	167.85	3.4	U	3.4	0.27
103-65-1	n-Propylbenzene	120.19	2.5	U	2.5	0.98
622-96-8	4-Ethyltoluene	120.20	2.5	U	2.5	0.22
108-67-8	1,3,5-Trimethylbenzene	120.20	2.5	U	2.5	0.15
95-49-8	2-Chlorotoluene	126.59	2.6	U	2.6	0.17
98-06-6	tert-Butylbenzene	134.22	2.7	U	2.7	0.23
95-63-6	1,2,4-Trimethylbenzene	120.20	0.27	J D	2.5	0.17
135-98-8	sec-Butylbenzene	134.22	2.7	U	2.7	1.1
99-87-6	4-Isopropyltoluene	134.22	2.7	U	2.7	1.1
541-73-1	1,3-Dichlorobenzene	147.00	3.0	U	3.0	0.21
106-46-7	1,4-Dichlorobenzene	147.00	3.0	U	3.0	0.21
100-44-7	Benzyl chloride	126.58	2.6	U	2.6	1.0
104-51-8	n-Butylbenzene	134.22	2.7	U	2.7	1.1

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-1 DL Lab Sample ID: 200-21727-5 DL

Matrix: Air Lab File ID: 6977_12.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:55

Sample wt/vol: 80(mL) Date Analyzed: 04/10/2014 22:57

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	*1,2-Dichlorobenzene*	*147.00*	*3.0*	*U*	*3.0*	*0.21*
120-82-1	*1,2,4-Trichlorobenzene*	*181.45*	*9.3*	*U*	*9.3*	*0.50*
87-68-3	*Hexachloro-1,3-butadiene*	*260.76*	*5.3*	*U*	*5.3*	*0.59*
91-20-3	*Naphthalene*	*128.17*	*6.6*	*U*	*6.6*	*2.6*

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D
Lims ID: 200-21727-A-5 Lab Sample ID: 200-21727-5
Client ID: SDS-1
Sample Type: Client
Inject. Date: 10-Apr-2014 22:57:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 2.5000
Sample Info: 200-0006977-012
Misc. Info.: 21727-5
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 10:53:30 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 10:53:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.261	3.256	0.005	99	281219	2.14	
6 Chlorodifluoromethane	51	3.320	3.315	0.005	75	5217	0.1183	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50	3.704	3.699	0.005	39	1665	0.0767	
9 Butane	43		3.912					
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.049					
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101	5.567	5.567	0.000	92	43992	0.2706	
23 1,1,2-Trichloro-1,2,2-trif	101	6.719	6.714	0.005	55	4029	0.0411	
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43	7.056	7.034	0.022	87	74388	1.97	
26 Carbon disulfide	76	7.141	7.141	0.000	97	71770	0.7692	
27 Isopropyl alcohol	45	7.381	7.355	0.026	97	126601	4.56	
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.888	7.894	-0.006	67	12710	0.4652	
32 2-Methyl-2-propanol	59		8.155					
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61	8.342	8.342	0.000	79	22736	0.4996	
36 Hexane	57	8.742	8.732	0.010	9	1118	0.0258	
37 1,1-Dichloroethane	63		9.260					
S 41 1,2-Dichloroethene, Total	61				0		1.23	
39 cis-1,2-Dichloroethene	96	10.418	10.418	0.000	89	42153	0.7320	
40 2-Butanone (MEK)	72	10.514	10.498	0.016	90	9989	0.4646	
* 43 Chlorobromomethane	128	10.909	10.909	0.000	66	509356	10.0	
44 Tetrahydrofuran	42		10.925					
45 Chloroform	83	11.053	11.048	0.005	14	5949	0.0498	
46 Cyclohexane	84	11.282	11.283	-0.001	78	117040	1.69	
47 1,1,1-Trichloroethane	97		11.325					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.576	11.581	-0.005	44	4876	0.0269	
51 Isooctane	57		12.035					
50 Benzene	78	12.083	12.083	0.000	21	5009	0.0316	
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43		12.451					
* 54 1,4-Difluorobenzene	114	12.974	12.980	-0.006	92	2674953	10.0	
56 Trichloroethene	95	13.460	13.460	0.000	93	193017	1.98	
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69		14.234					
60 1,4-Dioxane	88		14.303					
62 Dichlorobromomethane	83		14.629					
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43	15.920	15.894	0.026	74	6496	0.0732	
66 Toluene	92	16.176	16.182	-0.006	88	31003	0.2005	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166	17.265	17.265	0.000	93	7785145	39.1	
73 2-Hexanone	43		17.639					
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	82	2713194	10.0	
77 Chlorobenzene	112		19.181					
78 Ethylbenzene	91	19.331	19.325	0.005	84	32523	0.0891	
81 m-Xylene & p-Xylene	106	19.581	19.576	0.005	98	47108	0.2993	
S 82 Xylenes, Total	106				0		0.3751	
83 o-Xylene	106	20.387	20.387	0.000	81	11665	0.0758	
84 Styrene	104		20.435					
85 Bromoform	173		20.836					
$ 87 4-Bromofluorobenzene	95	21.375	21.375	0.000	95	1779339	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91		21.706					
91 4-Ethyltoluene	105		21.882					
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105	21.983	21.983	0.000	11	3376	0.008306	
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105	22.543	22.549	-0.006	70	9235	0.0223	
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119		22.965					
100 1,3-Dichlorobenzene	146		23.008					
101 1,4-Dichlorobenzene	146		23.141					
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
105 1,2-Dichlorobenzene	146		23.696					
107 1,2,4-Trichlorobenzene	180		26.322					
108 Hexachlorobutadiene	225		26.509					
109 Naphthalene	128		26.850					

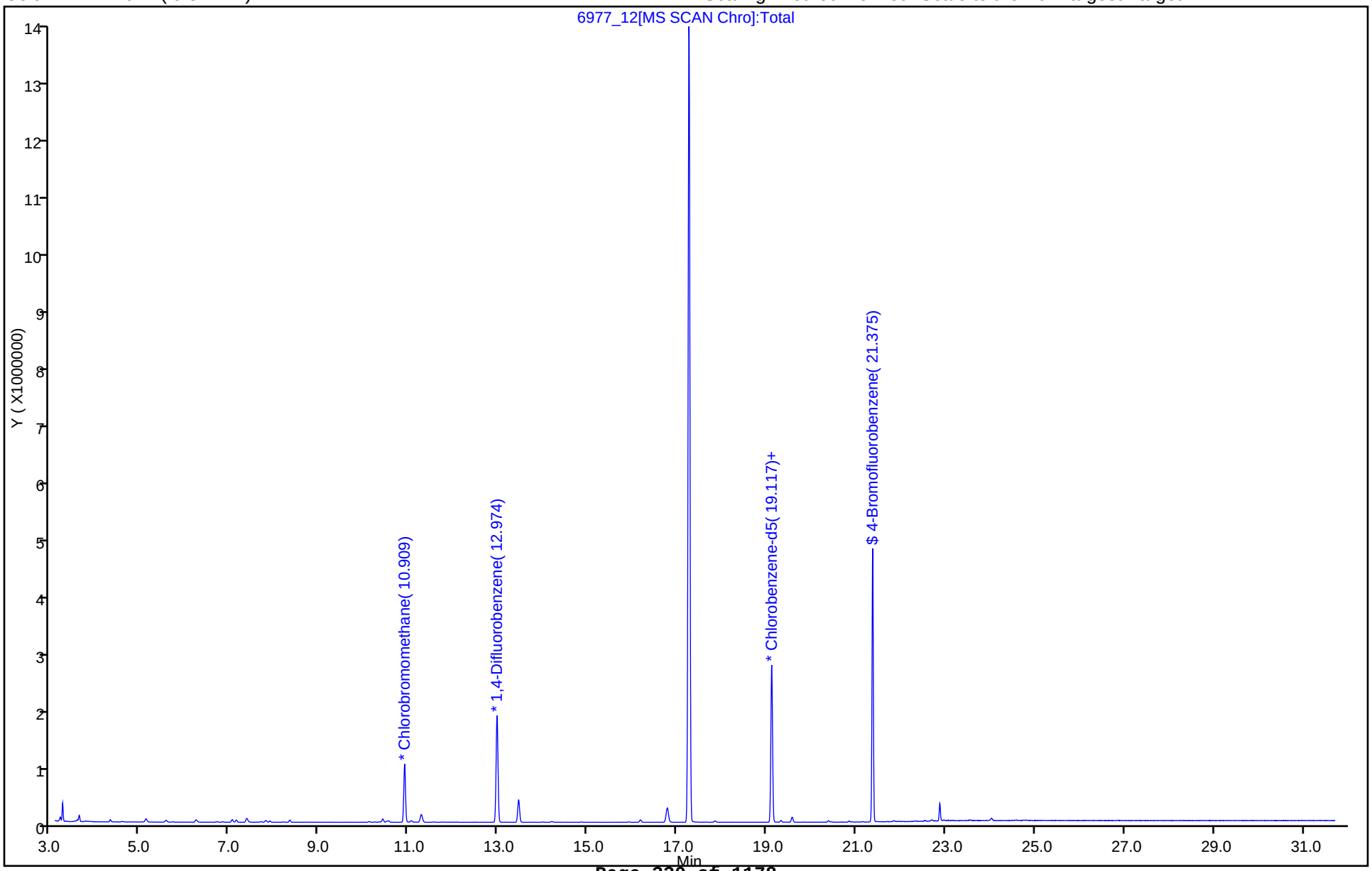
Report Date: 11-Apr-2014 10:53:30 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5	Worklist Smp#:	12
Client ID:	SDS-1				
Purge Vol:	200.000 mL	Dil. Factor:	2.5000	ALS Bottle#:	11
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



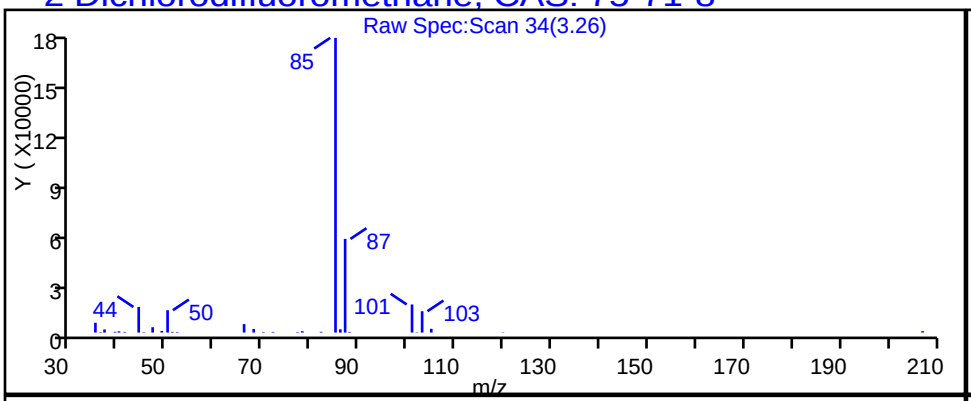
Report Date: 11-Apr-2014 10:53:30 Chrom Revision: 2.2 10-Apr-2014 15:11:30

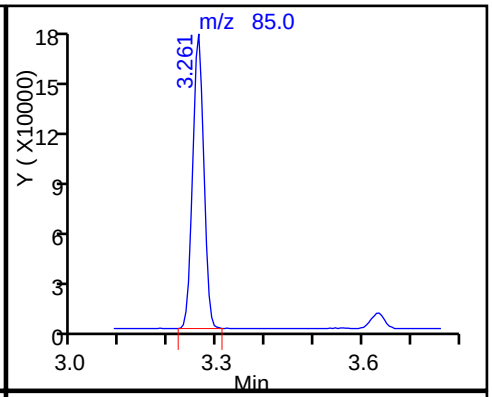
TestAmerica Burlington

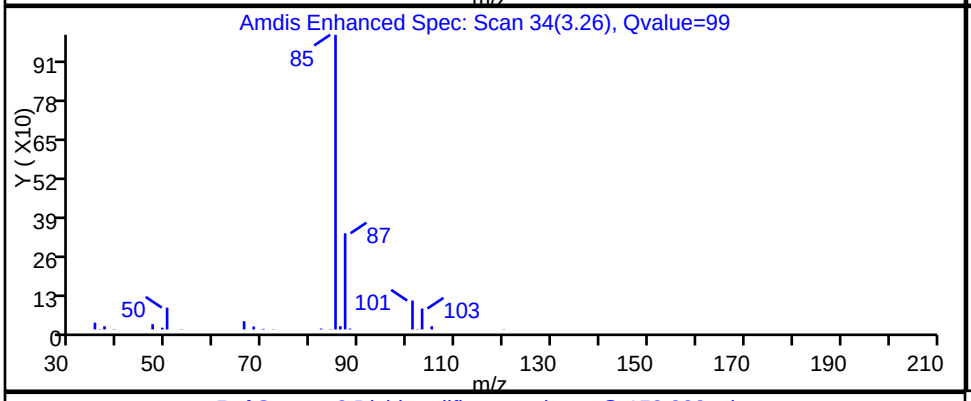
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

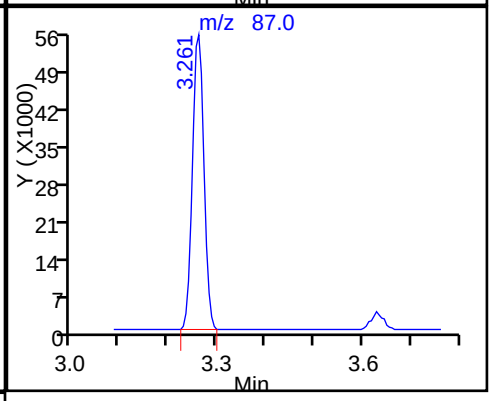
Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

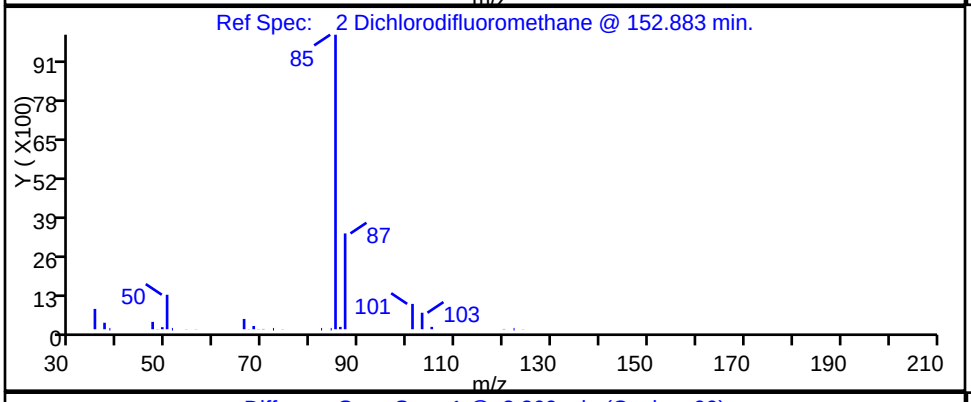
2 Dichlorodifluoromethane, CAS: 75-71-8

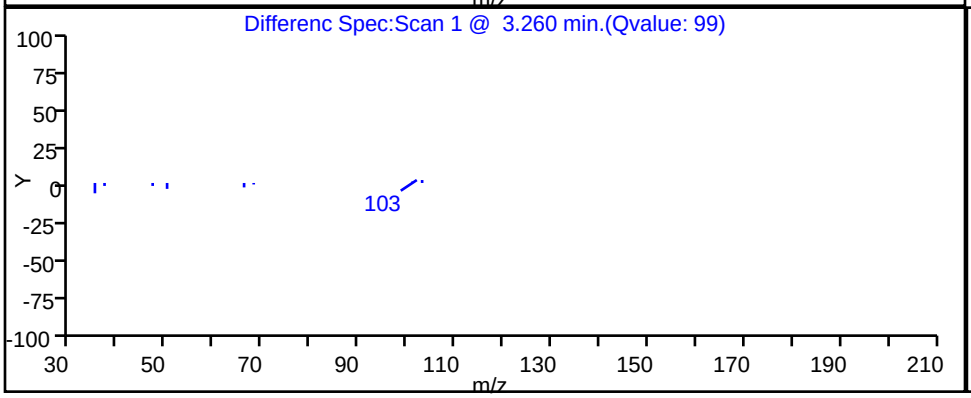


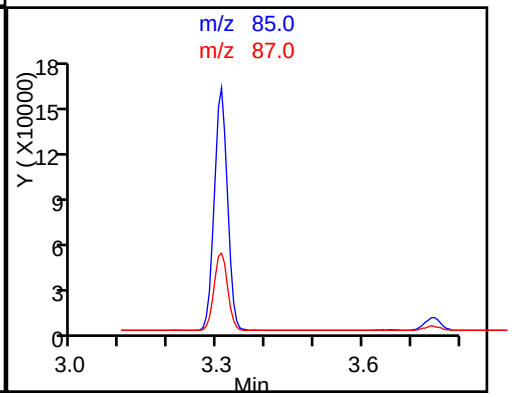












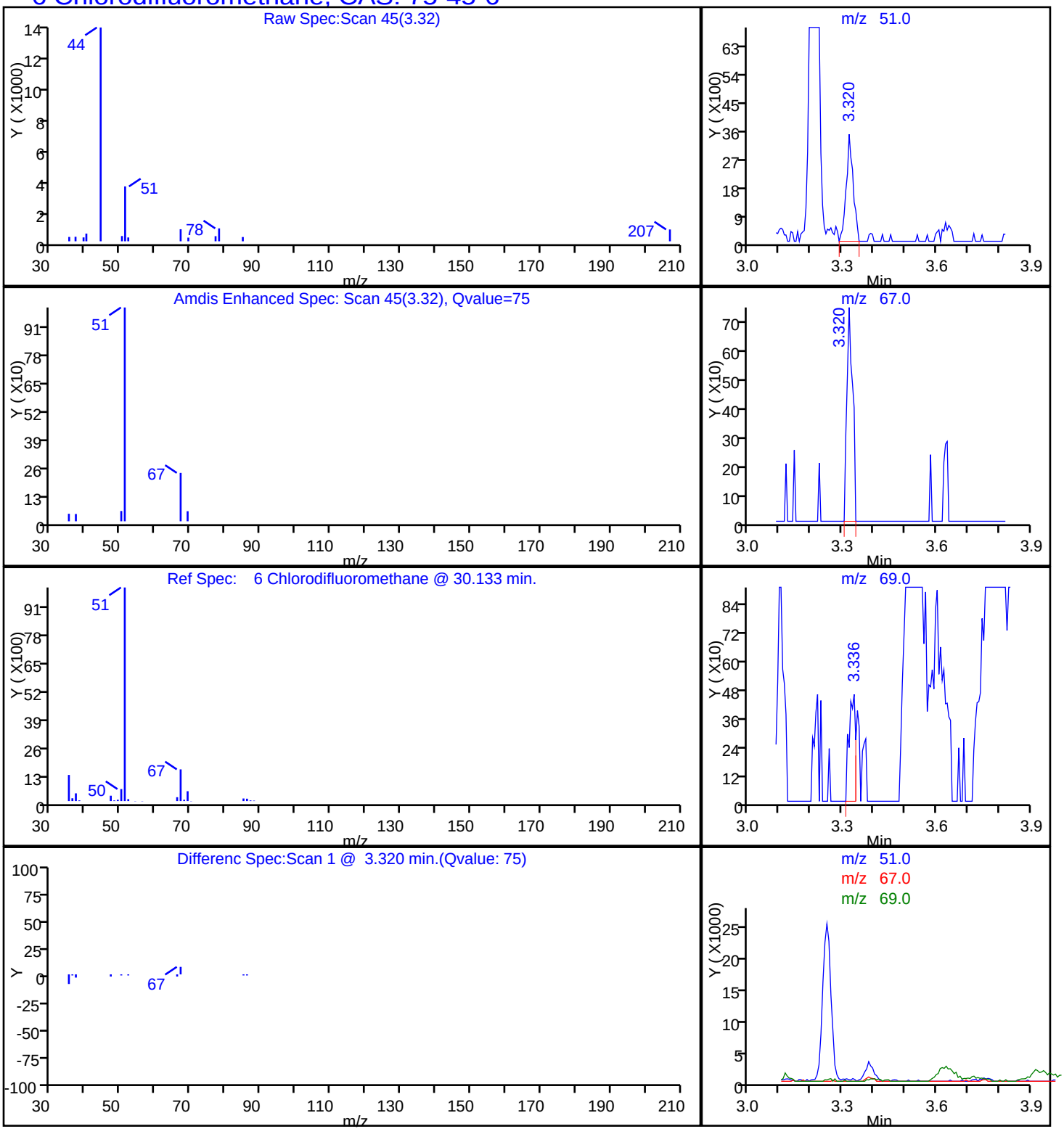
Report Date: 11-Apr-2014 10:53:30 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



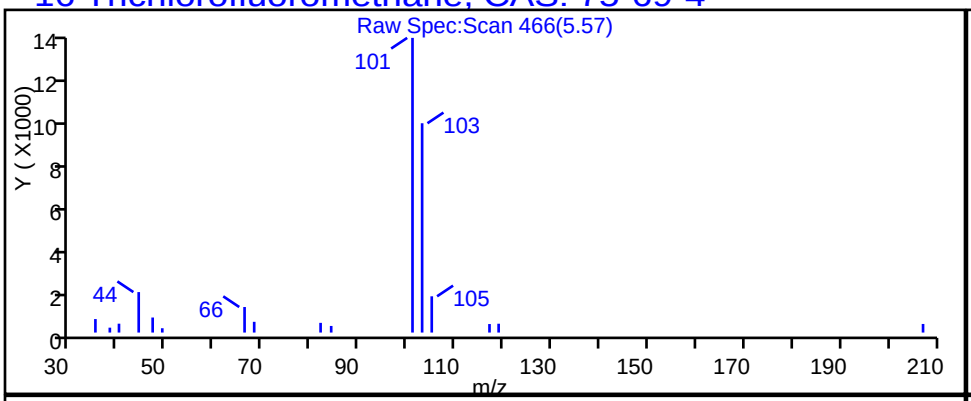
Report Date: 11-Apr-2014 10:53:30 Chrom Revision: 2.2 10-Apr-2014 15:11:30

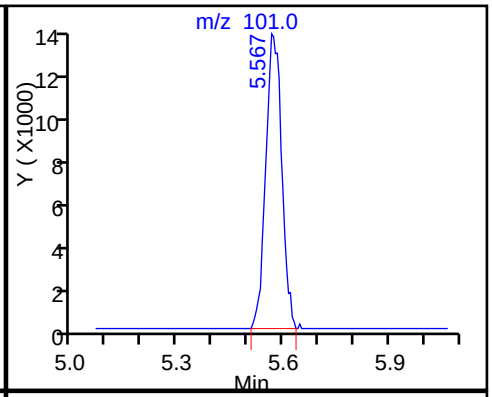
TestAmerica Burlington

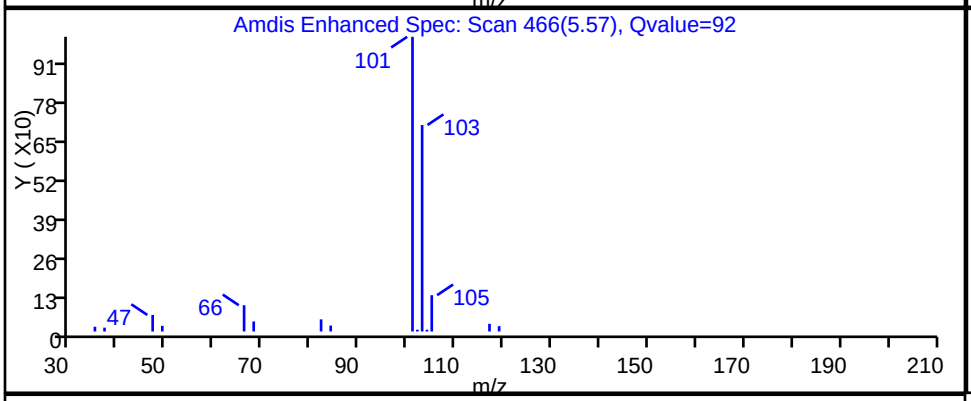
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

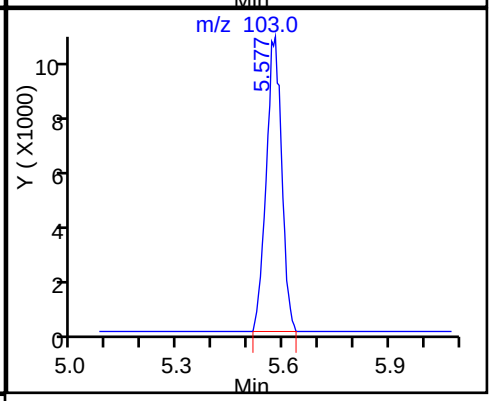
Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

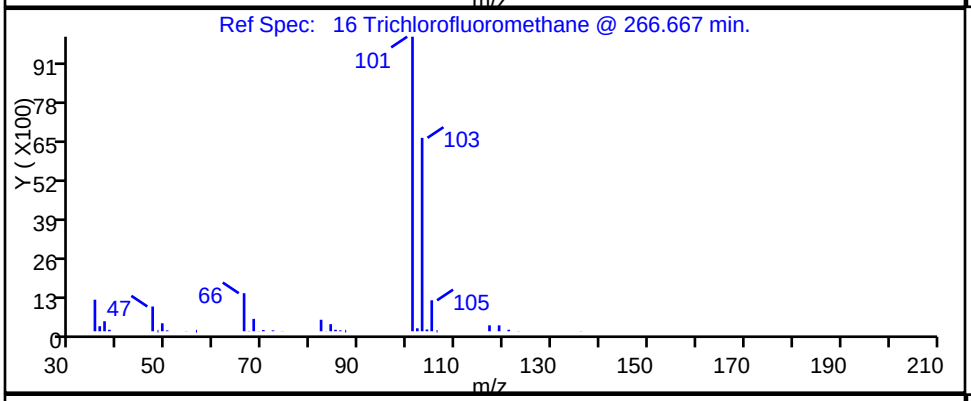
16 Trichlorofluoromethane, CAS: 75-69-4

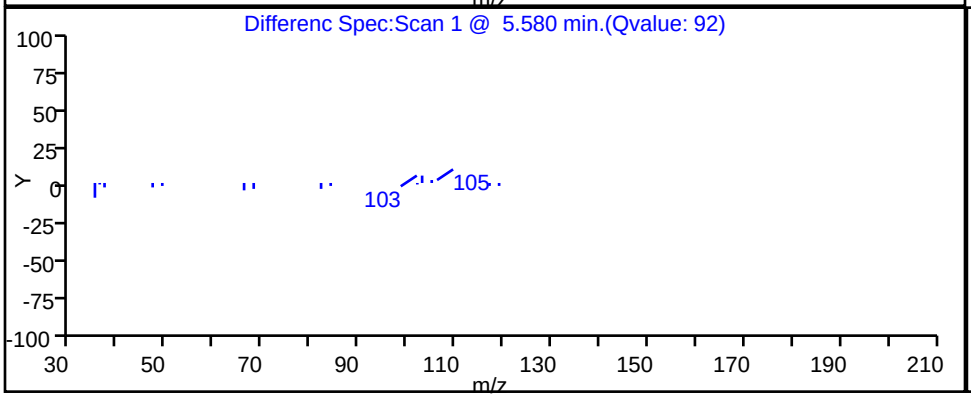


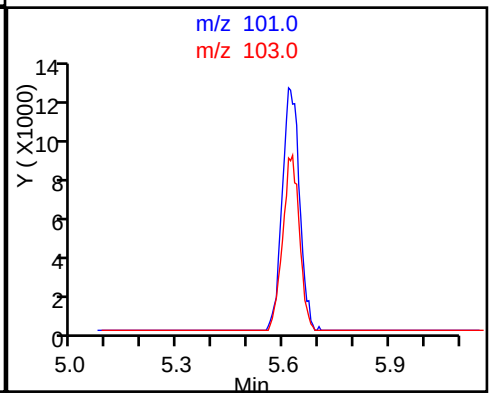












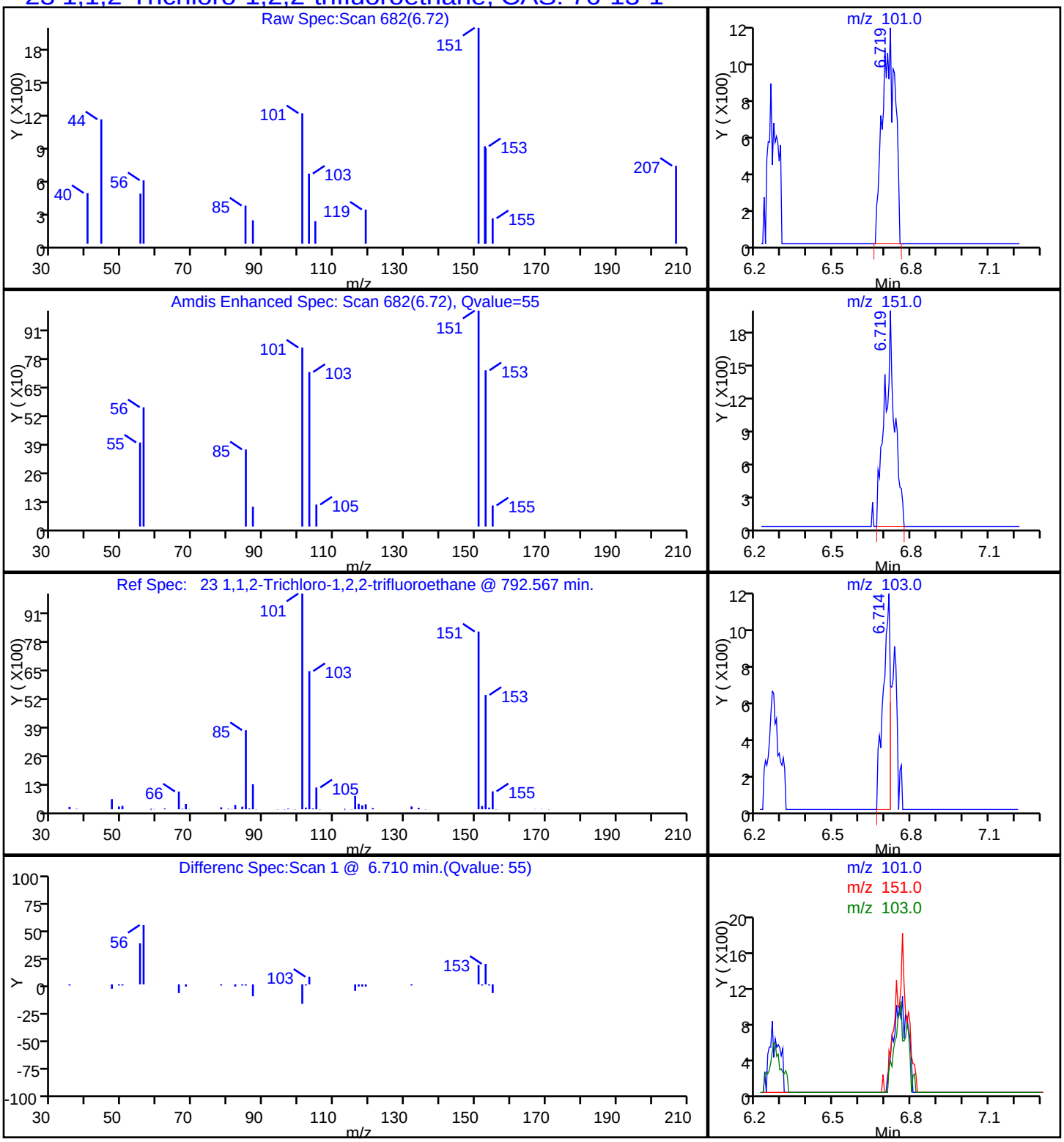
Report Date: 11-Apr-2014 10:53:30 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



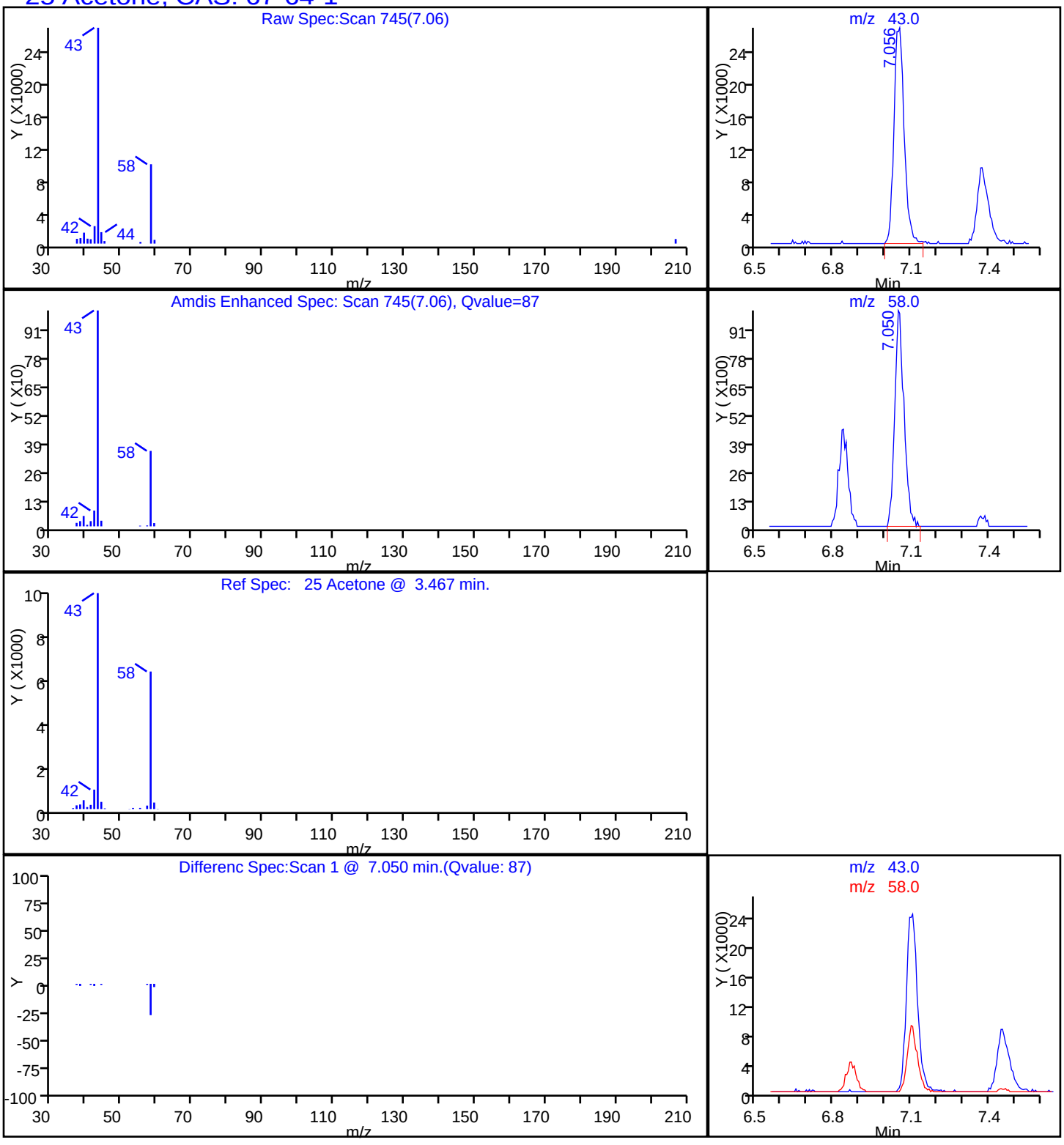
Report Date: 11-Apr-2014 10:53:30 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



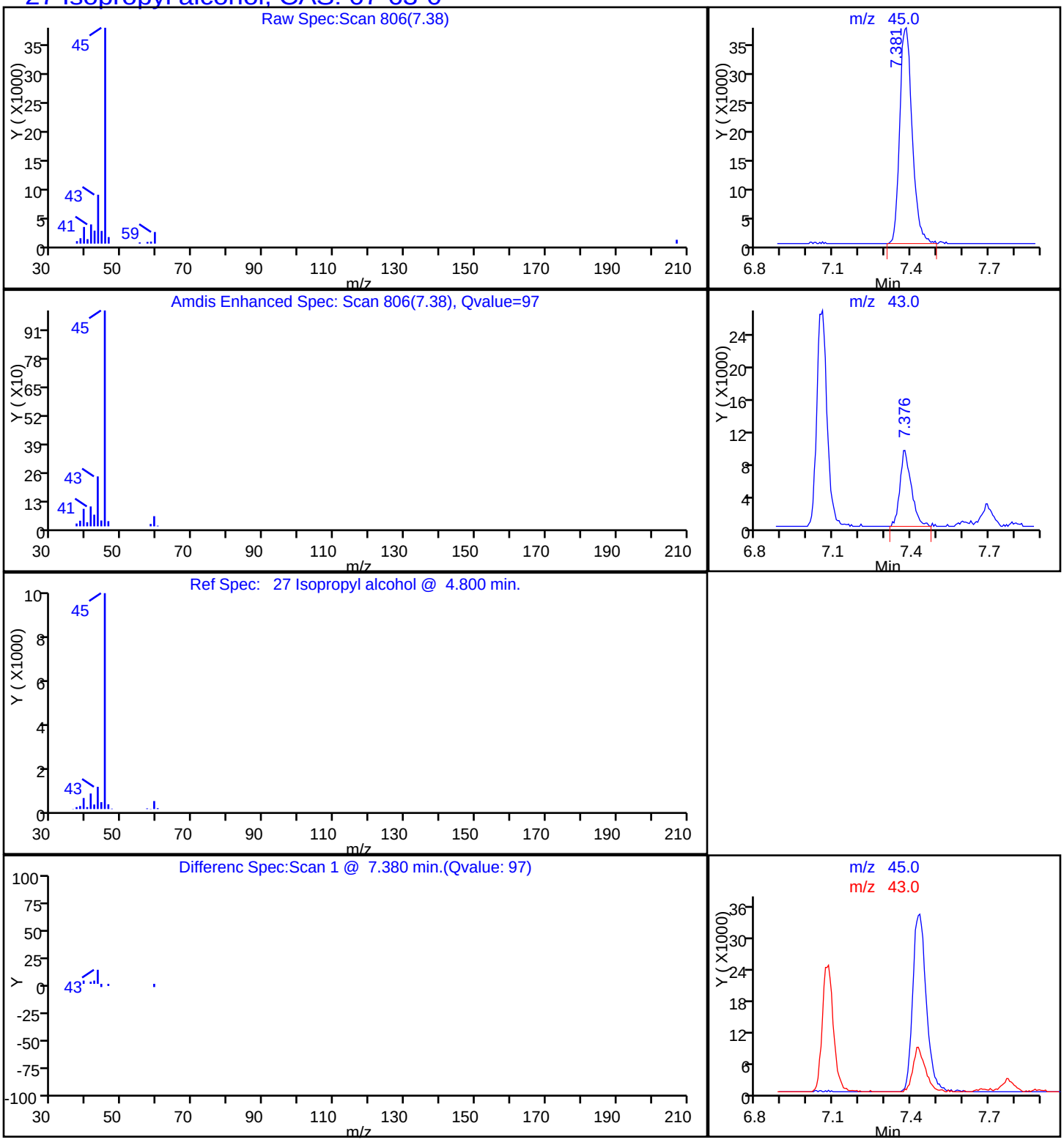
Report Date: 11-Apr-2014 10:53:30 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



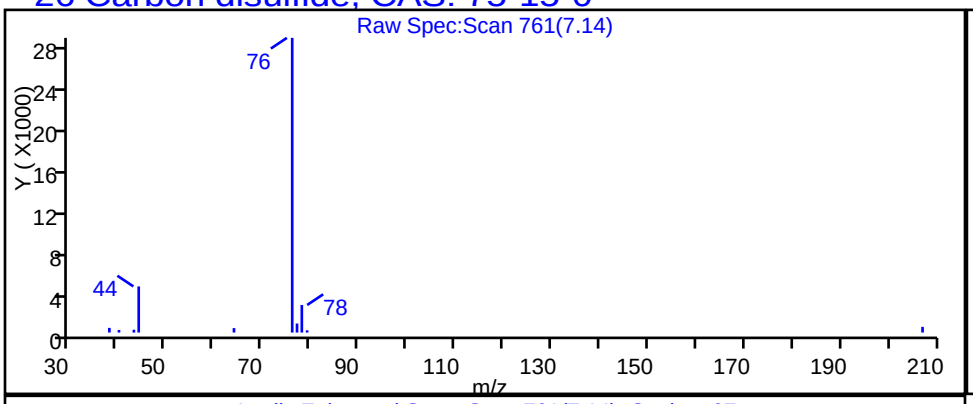
Report Date: 11-Apr-2014 10:53:30 Chrom Revision: 2.2 10-Apr-2014 15:11:30

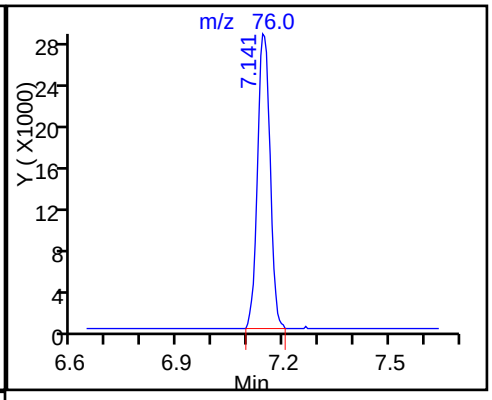
TestAmerica Burlington

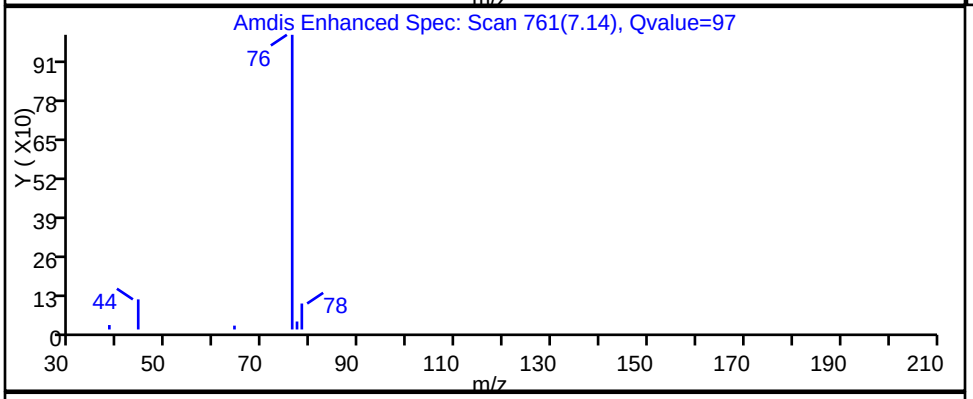
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

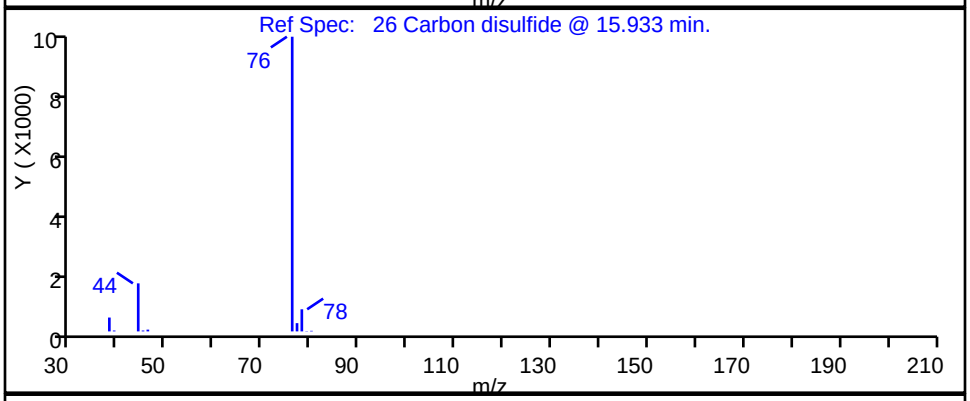
Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

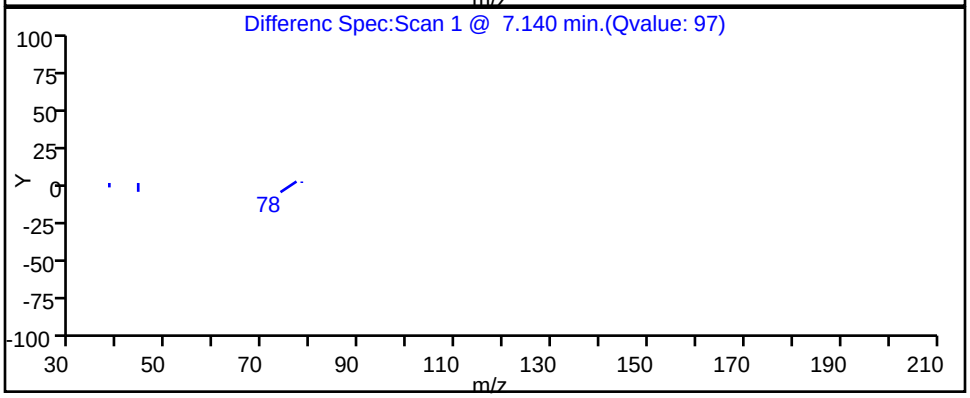
26 Carbon disulfide, CAS: 75-15-0











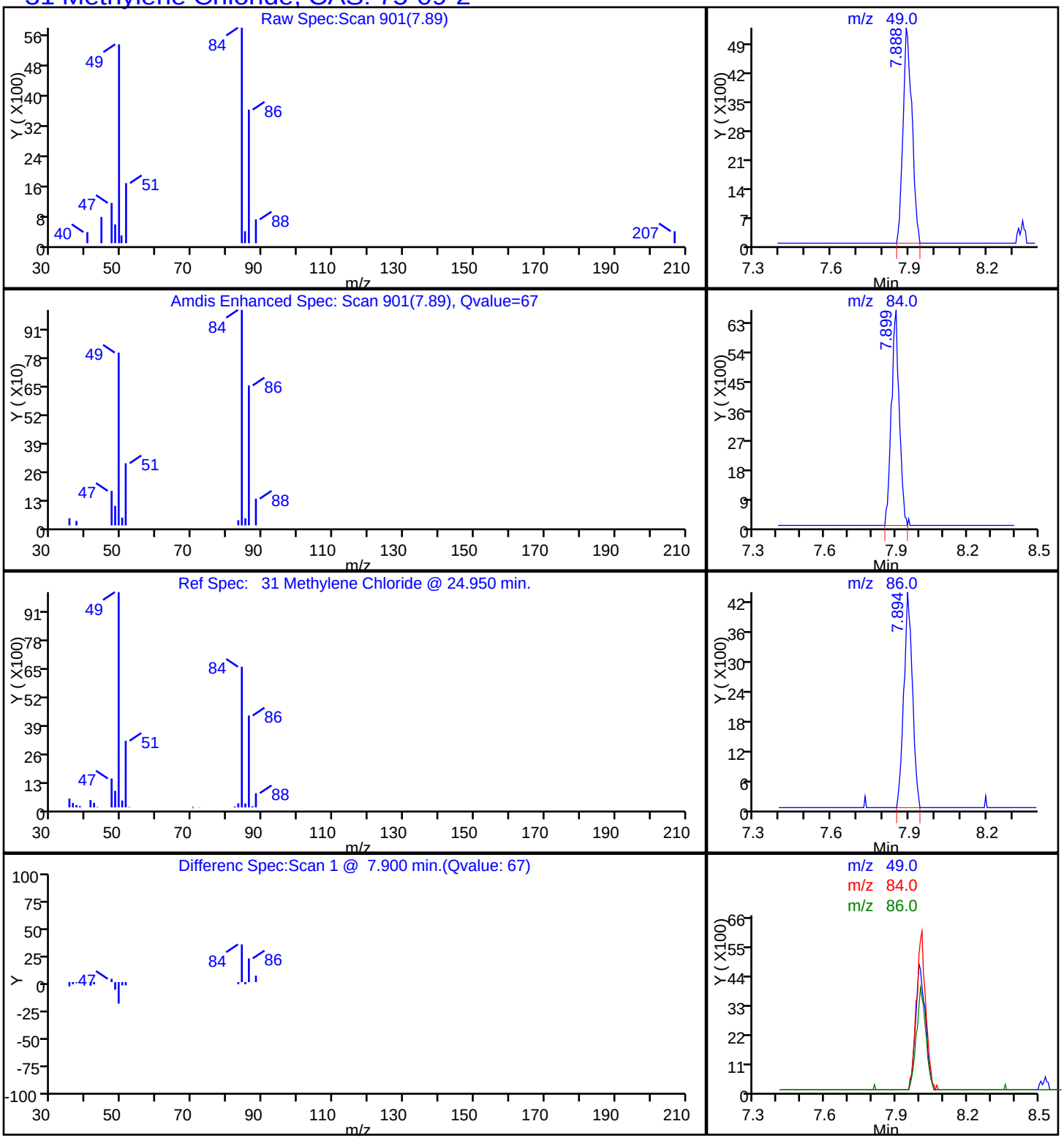
Report Date: 11-Apr-2014 10:53:30 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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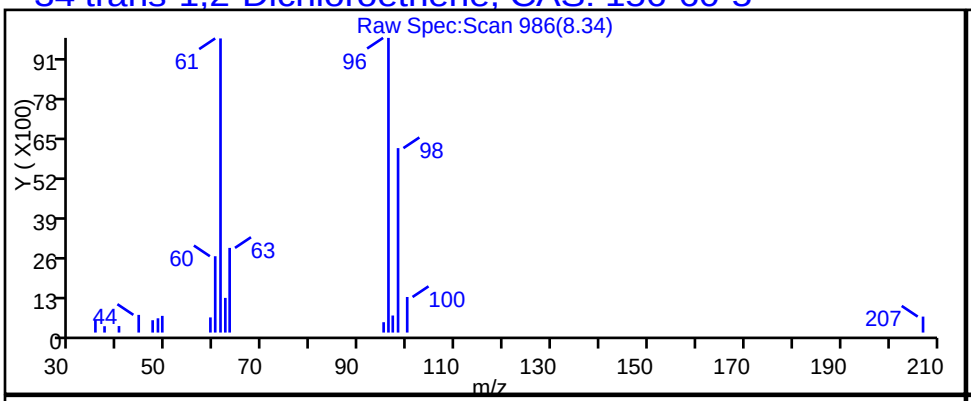
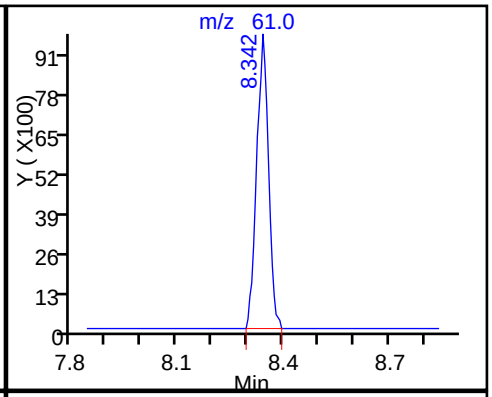
TestAmerica Burlington

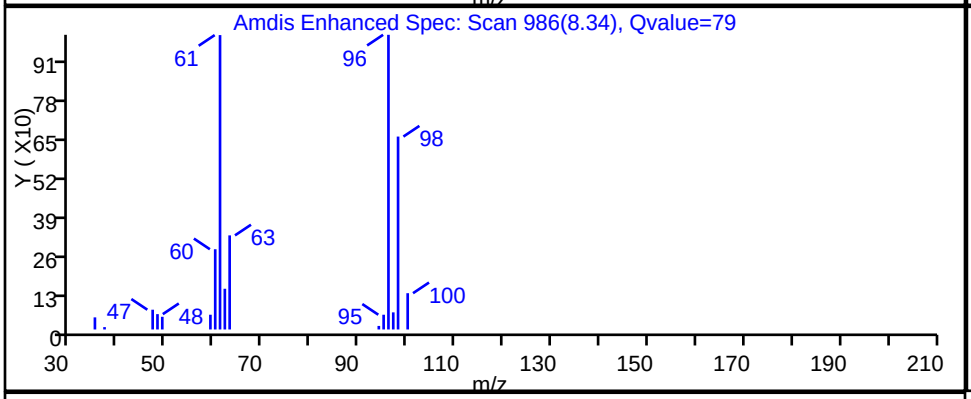
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

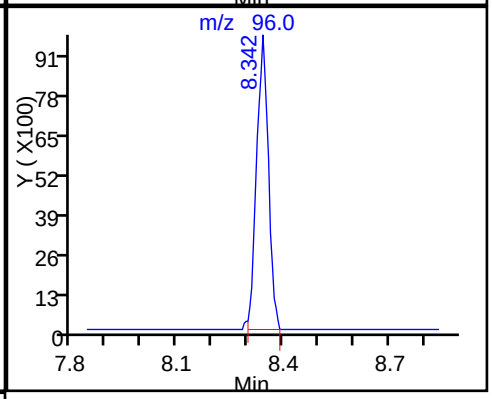
Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

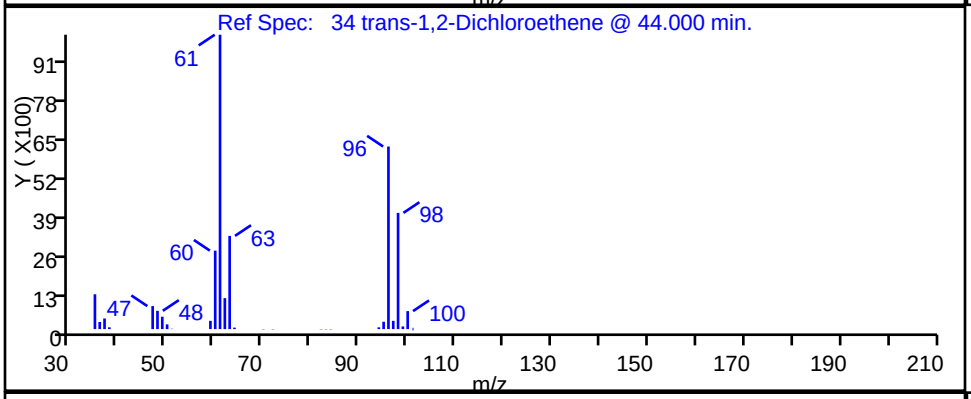
34 trans-1,2-Dichloroethene, CAS: 156-60-5

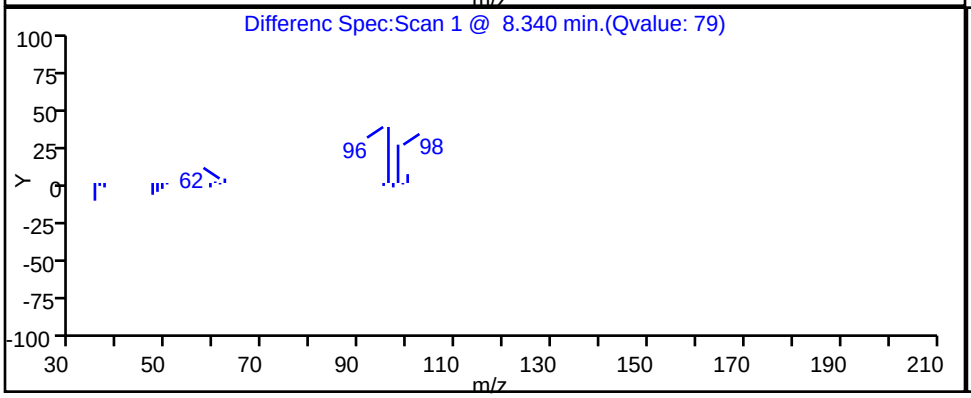


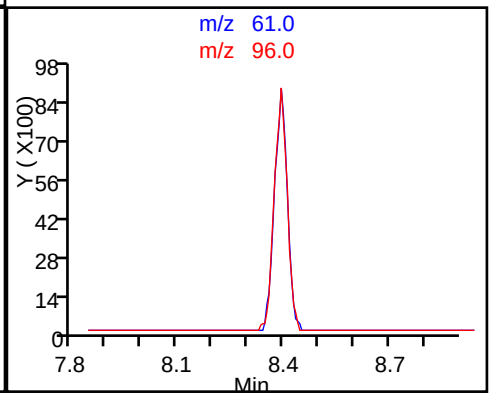












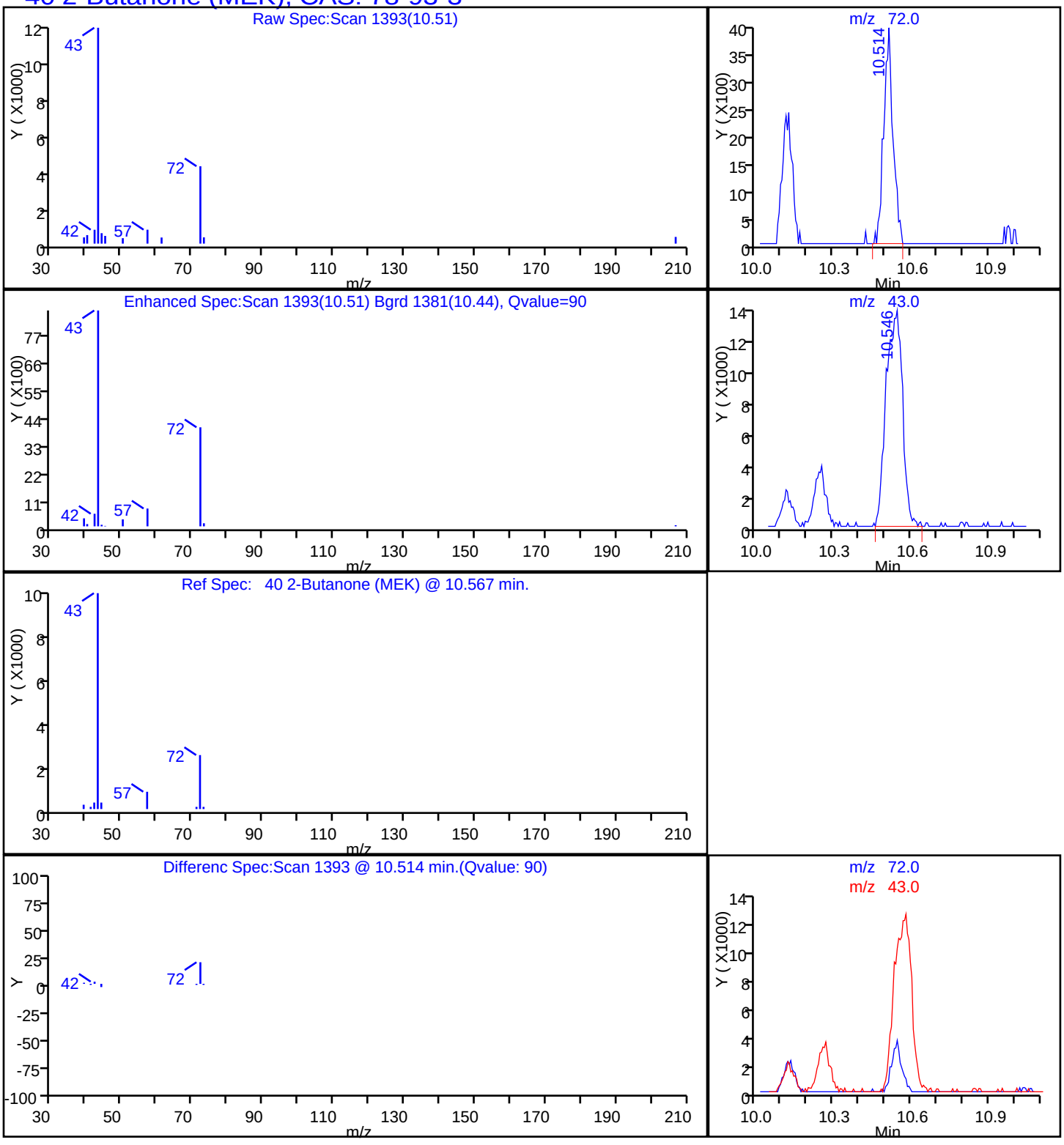
Report Date: 11-Apr-2014 10:53:30 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3



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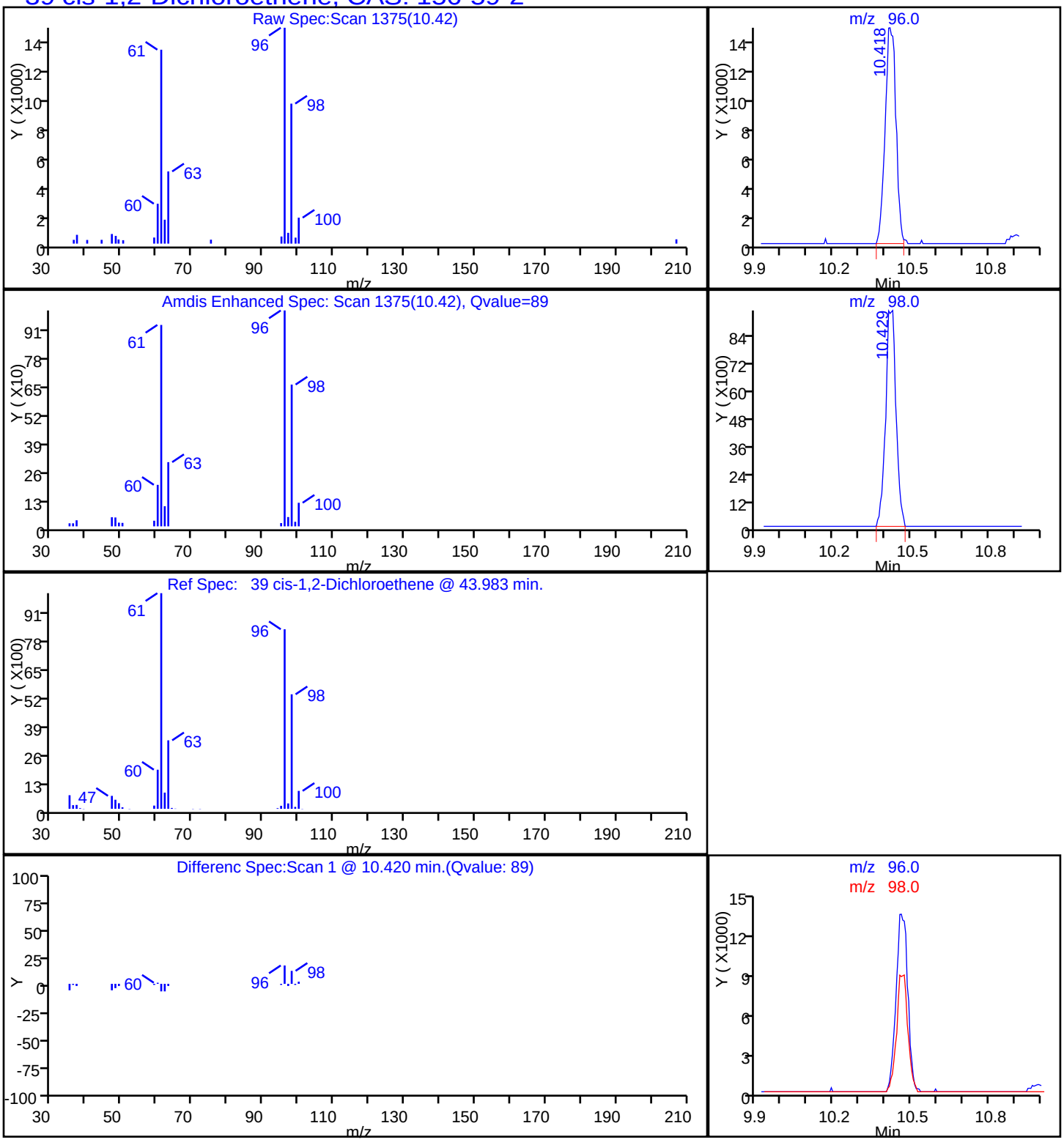
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2



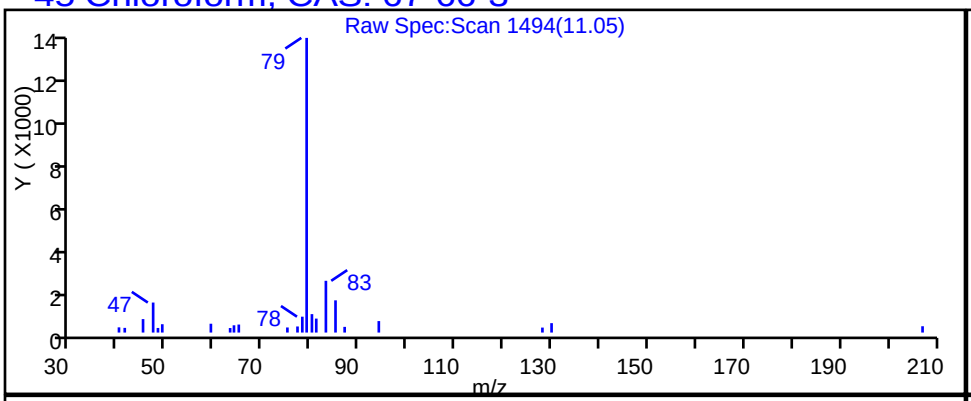
Report Date: 11-Apr-2014 10:53:30 Chrom Revision: 2.2 10-Apr-2014 15:11:30

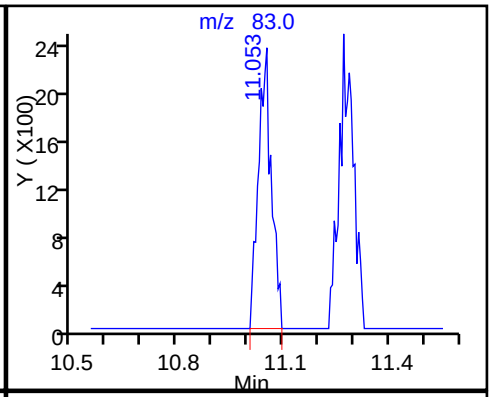
TestAmerica Burlington

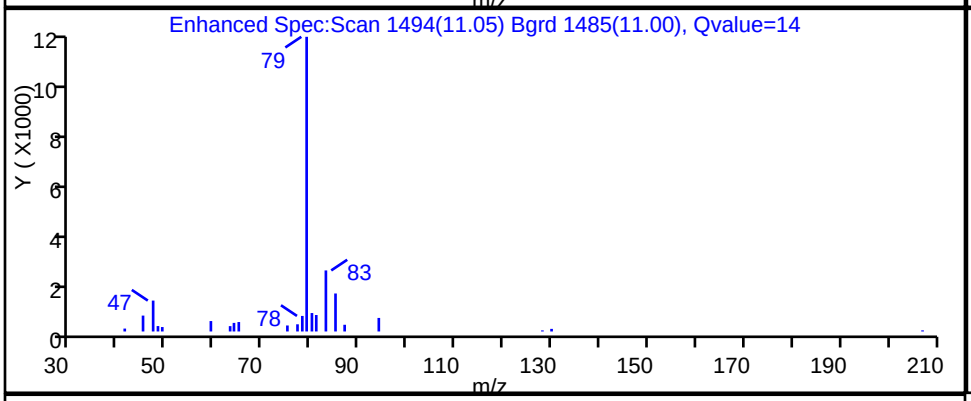
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

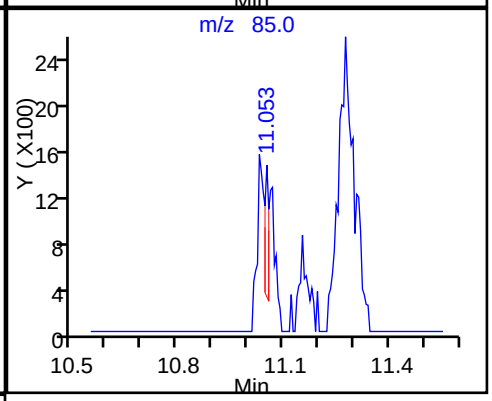
Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

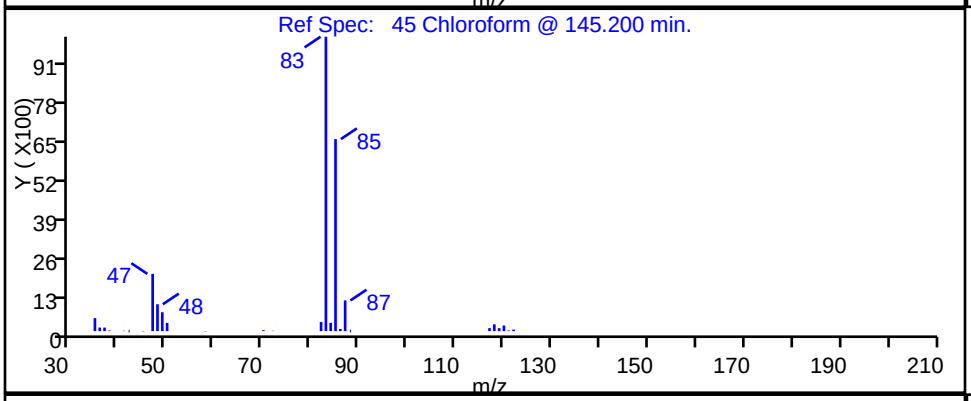
45 Chloroform, CAS: 67-66-3

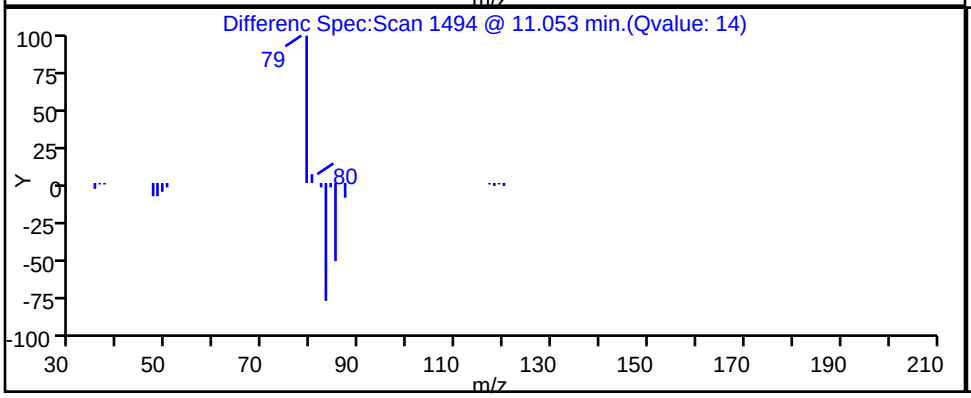


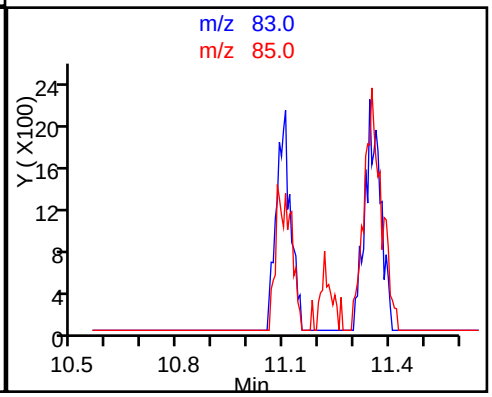












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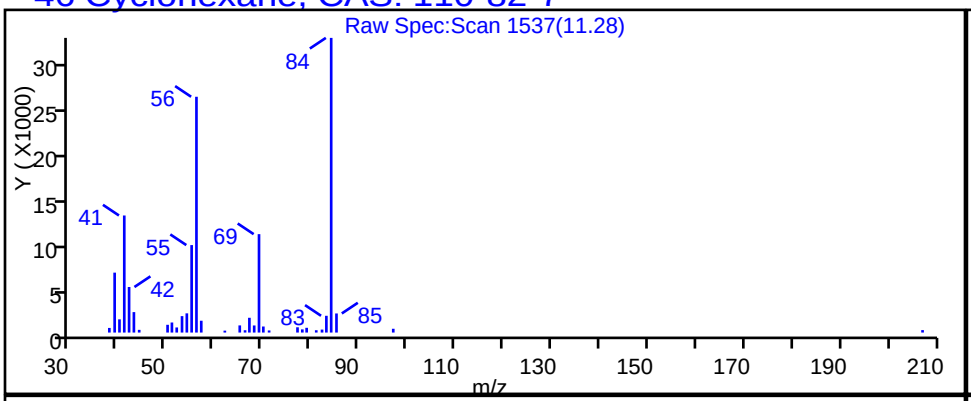
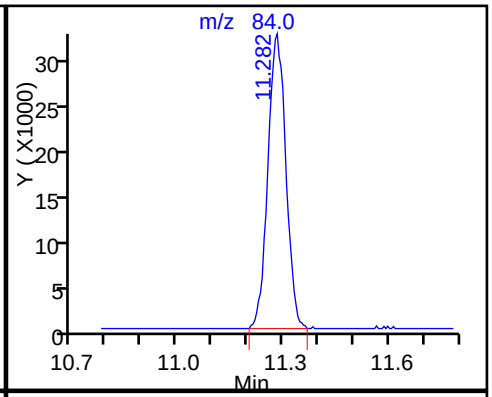
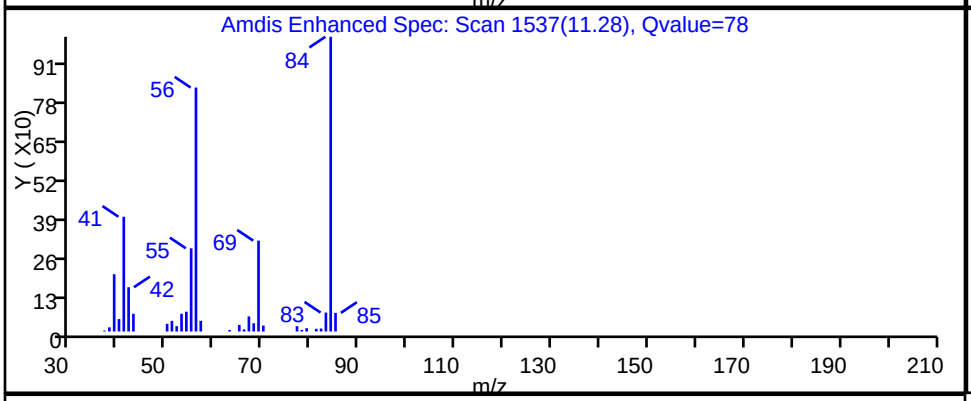
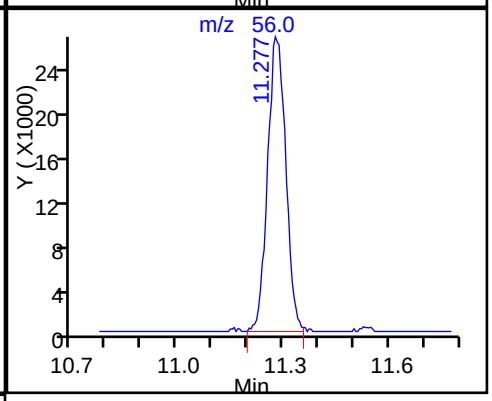
Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

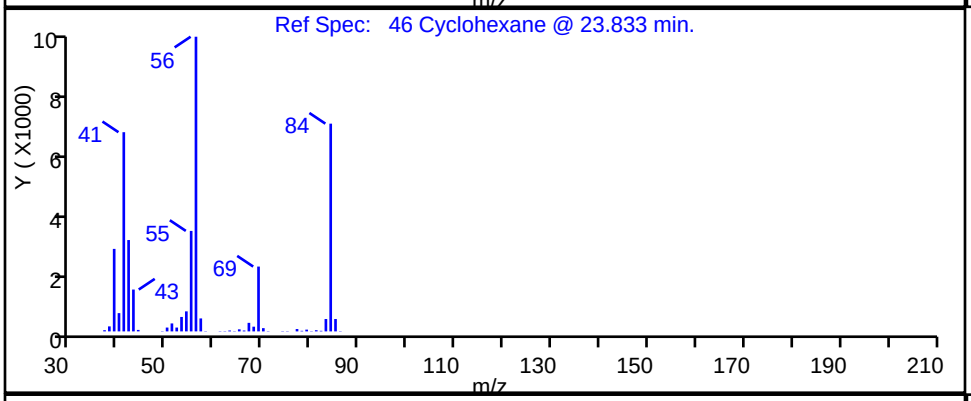
46 Cyclohexane, CAS: 110-82-7

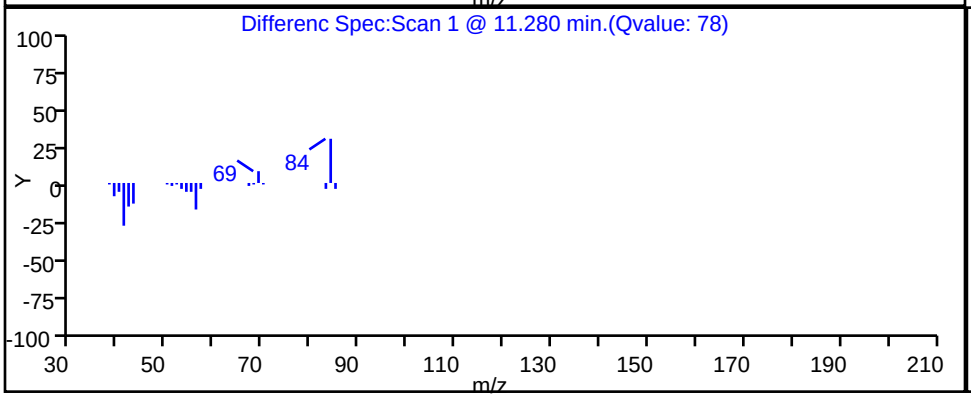


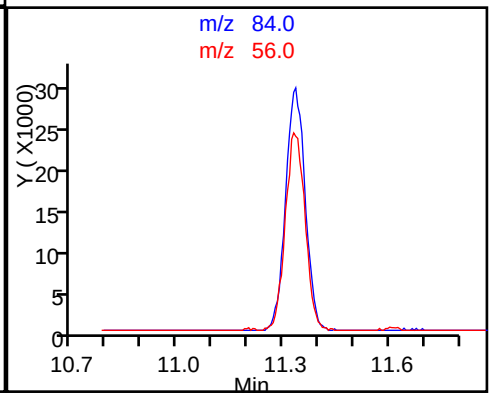












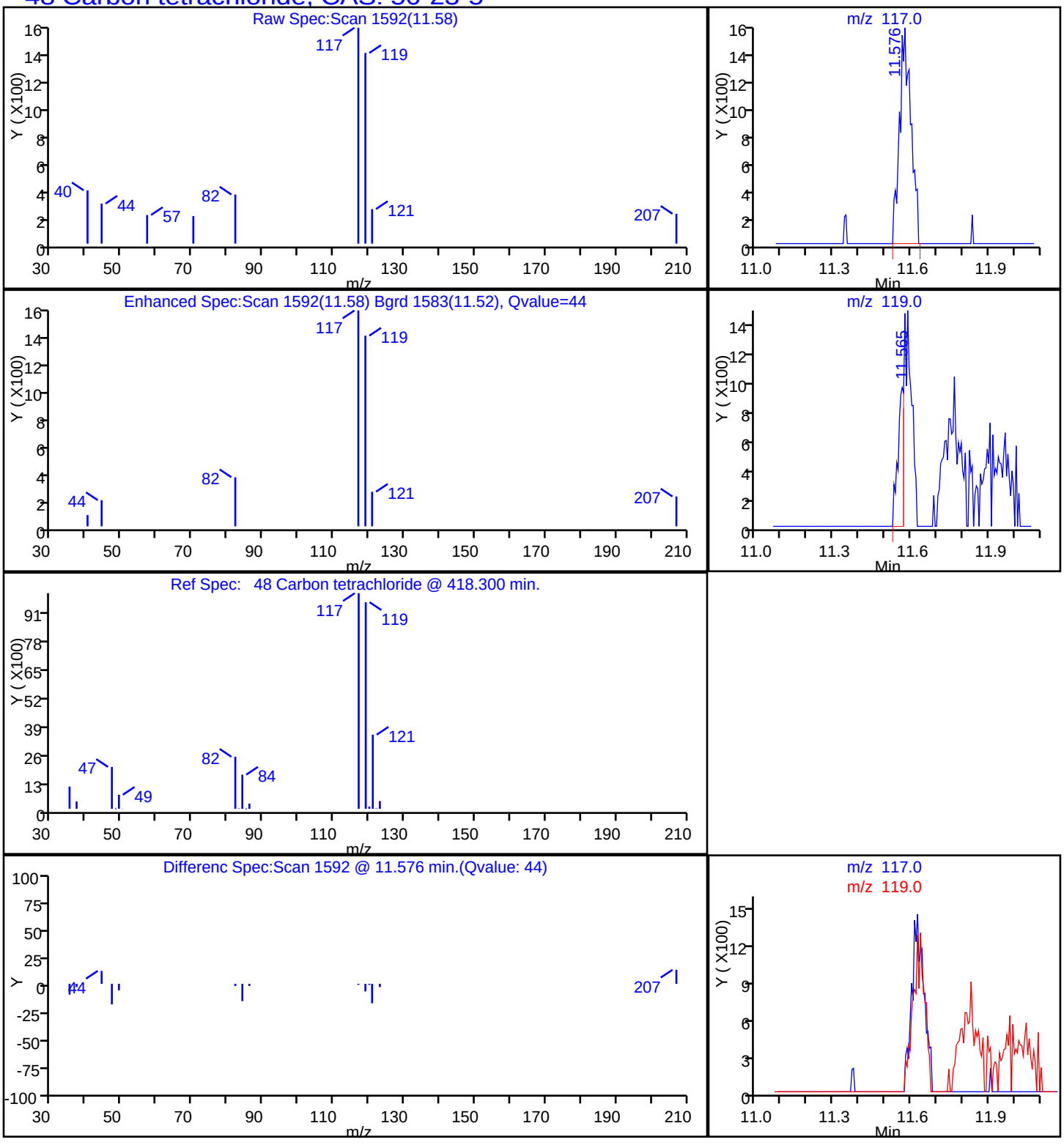
Report Date: 11-Apr-2014 10:53:30 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 Carbon tetrachloride, CAS: 56-23-5



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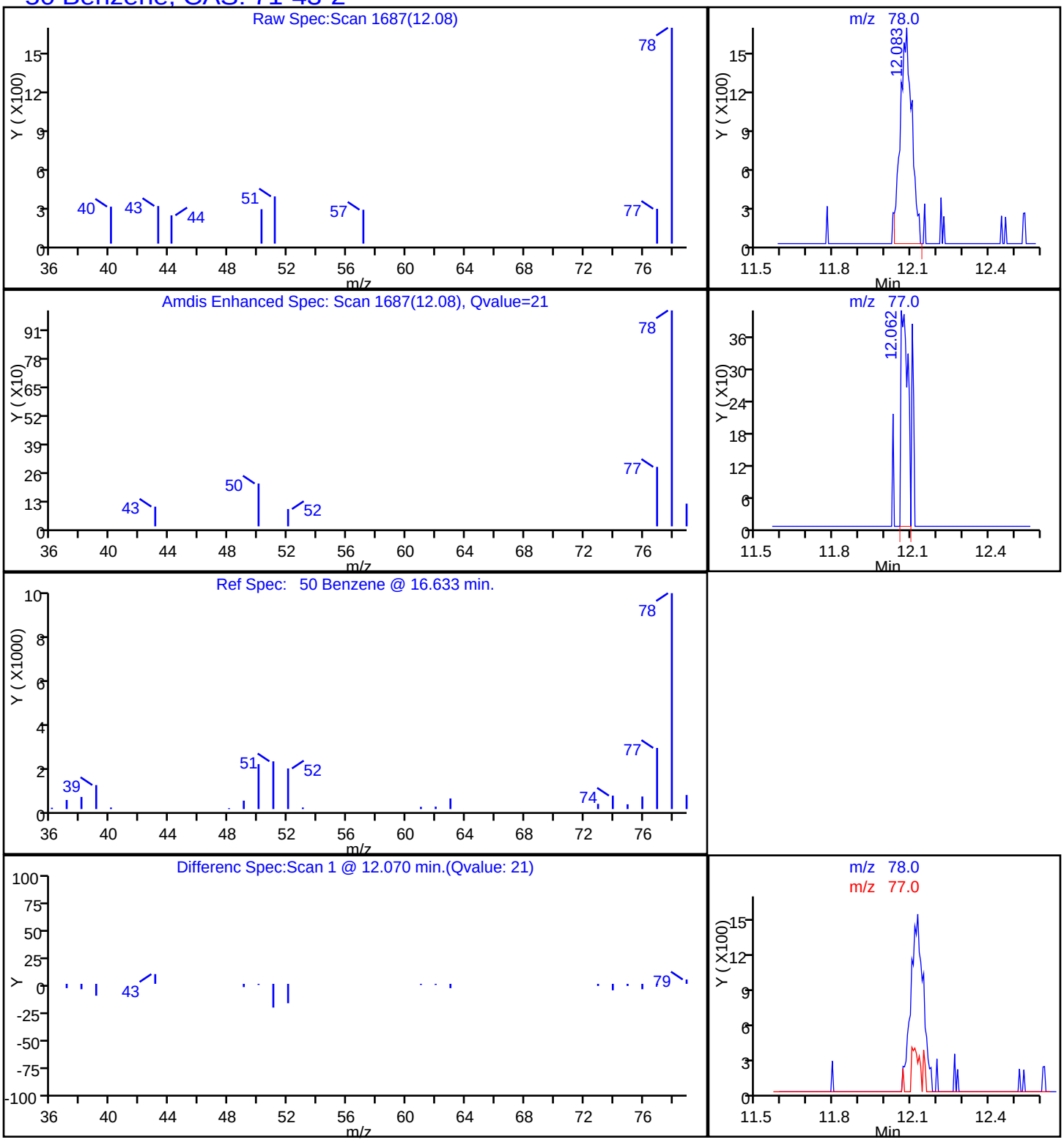
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D				
Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



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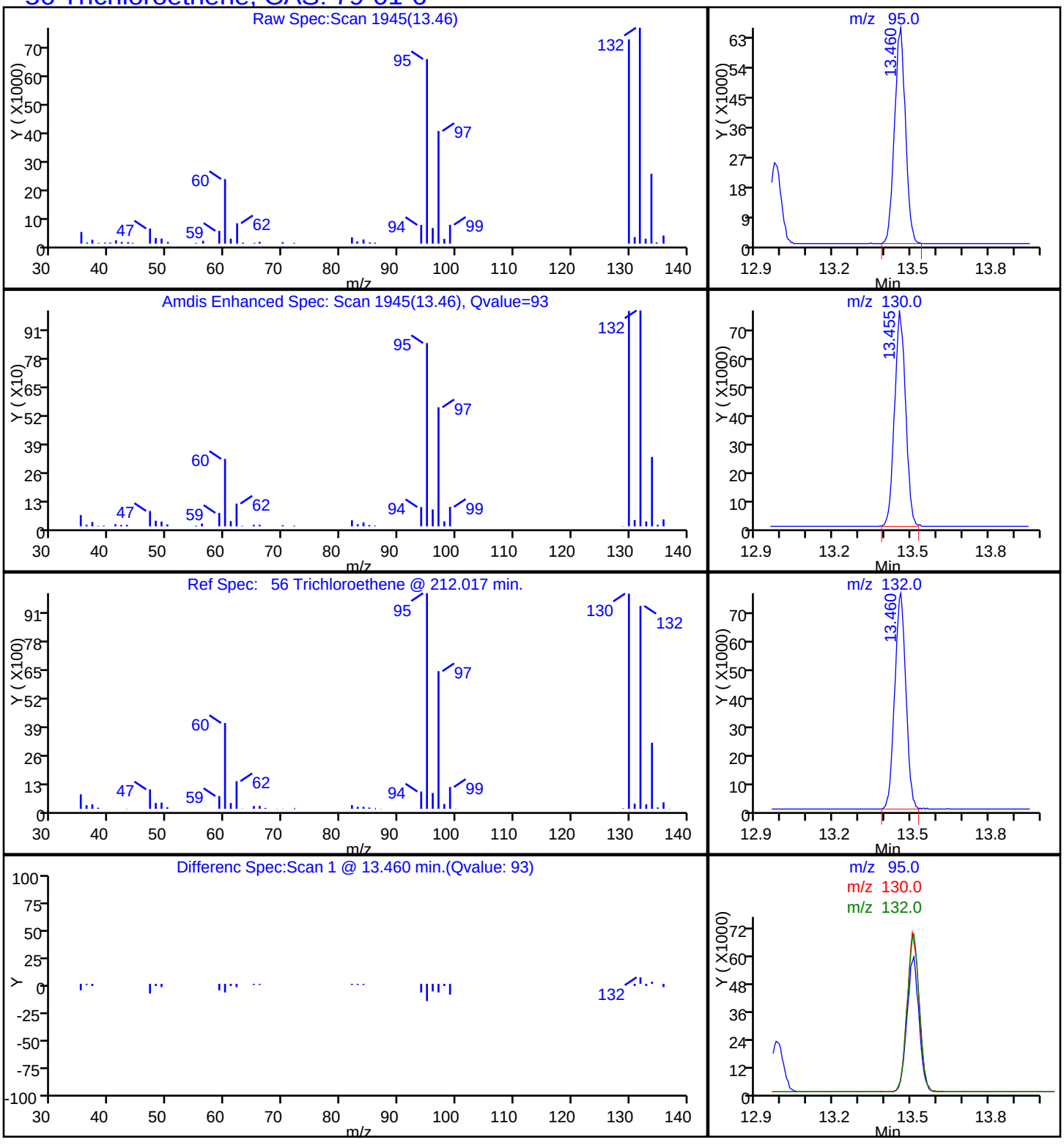
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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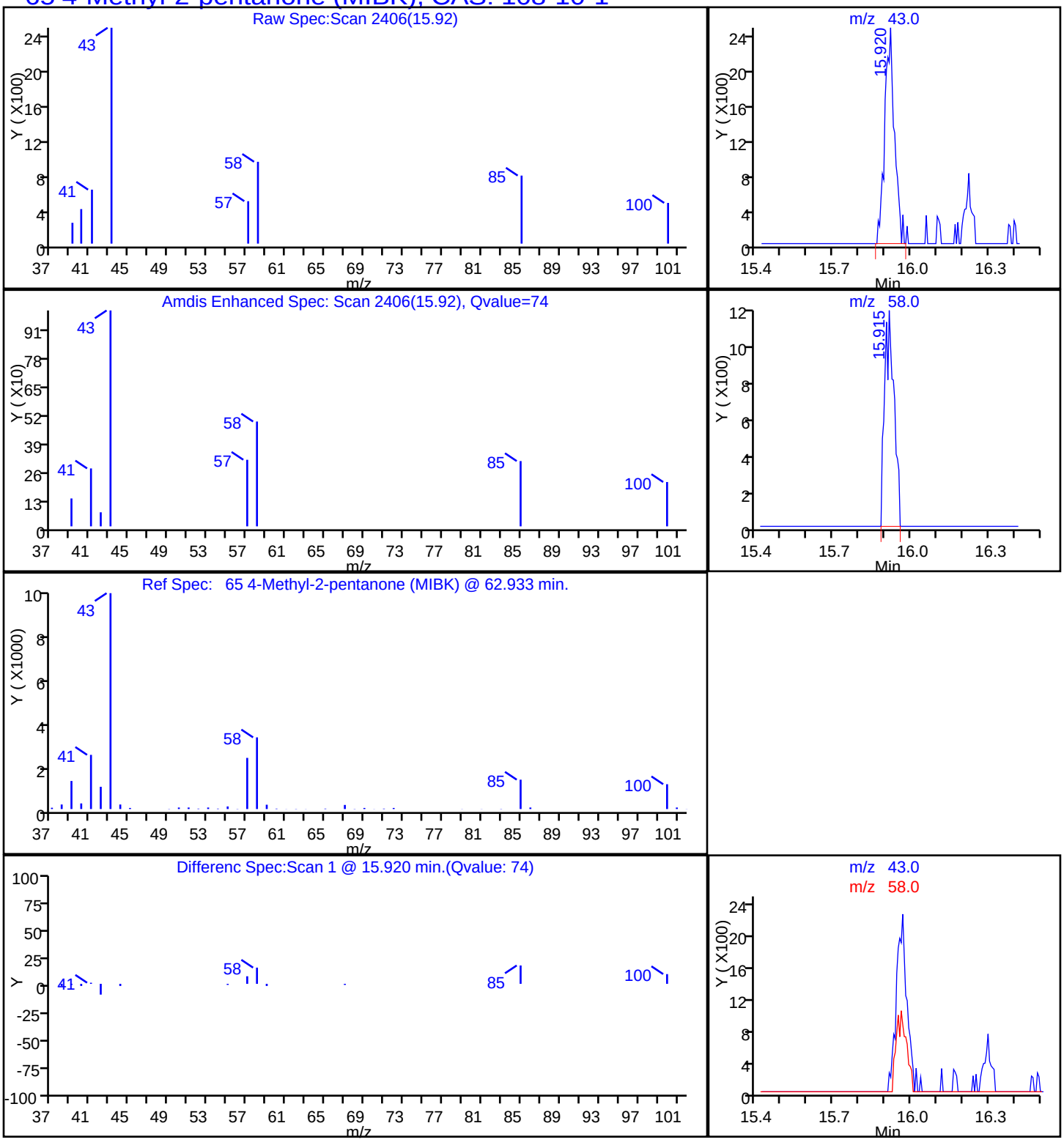
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D				
Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1



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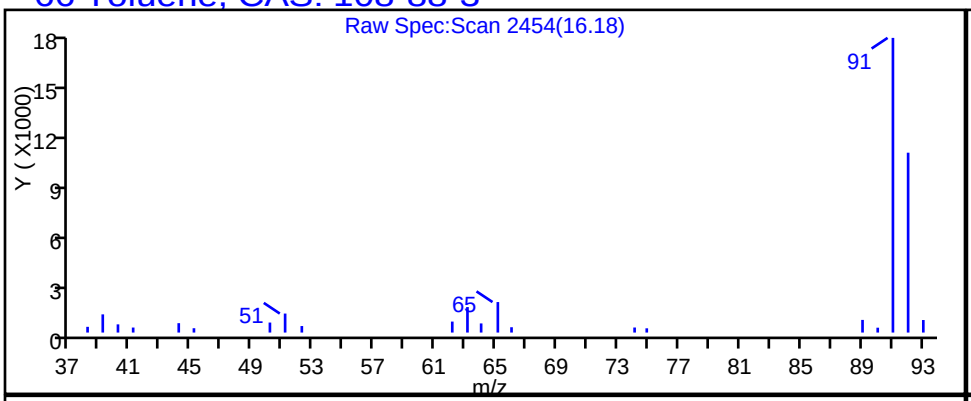
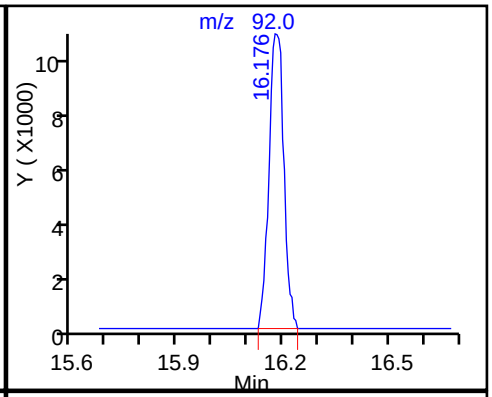
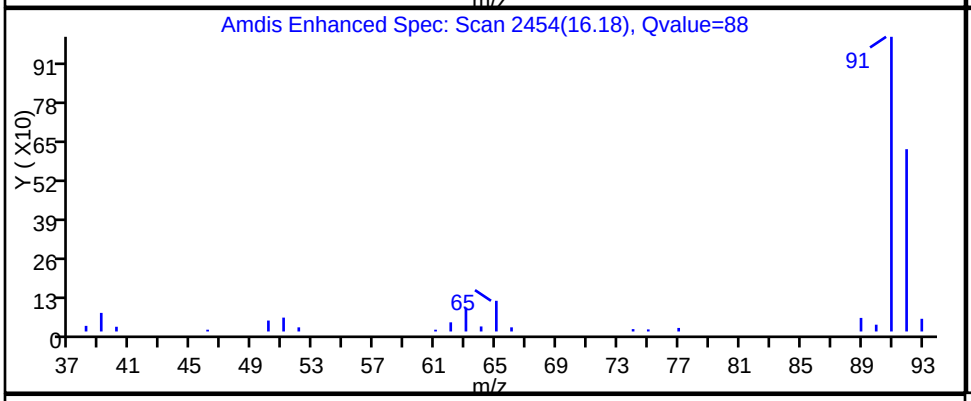
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

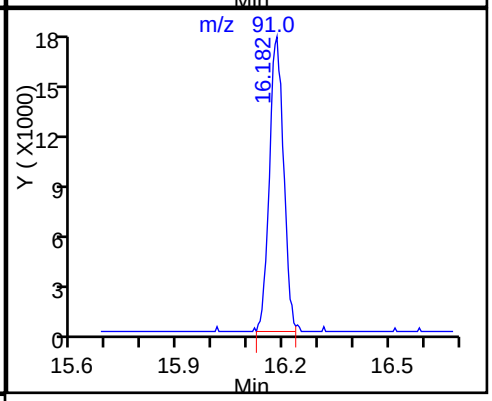
Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

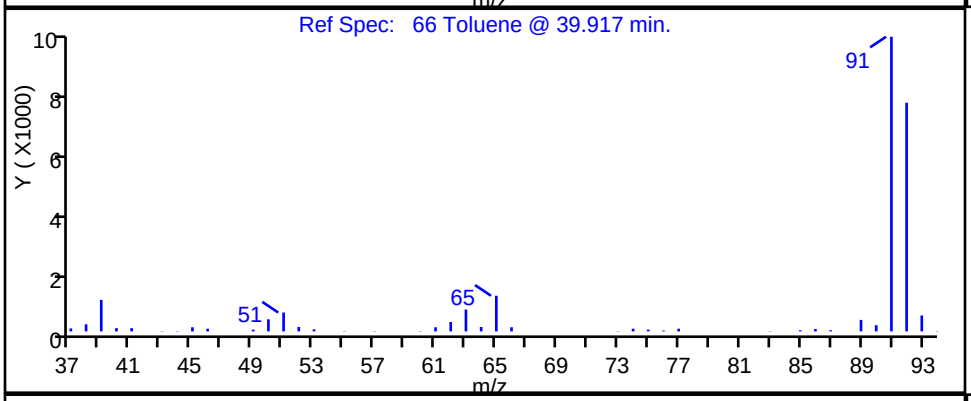
66 Toluene, CAS: 108-88-3

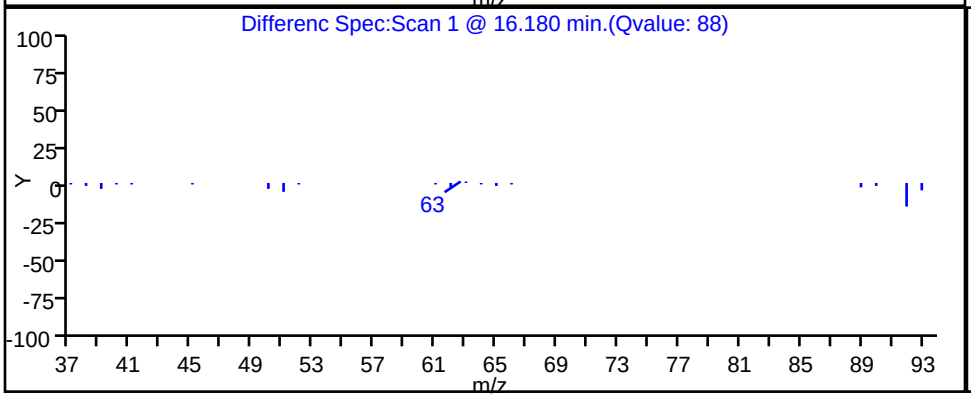


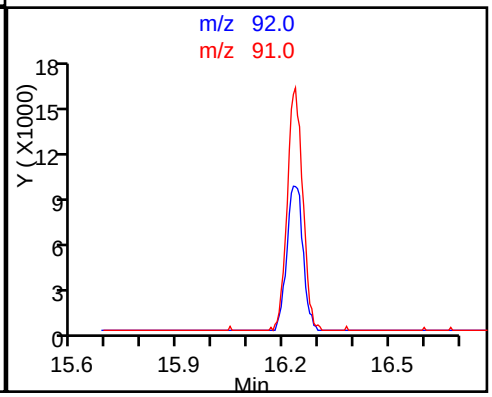












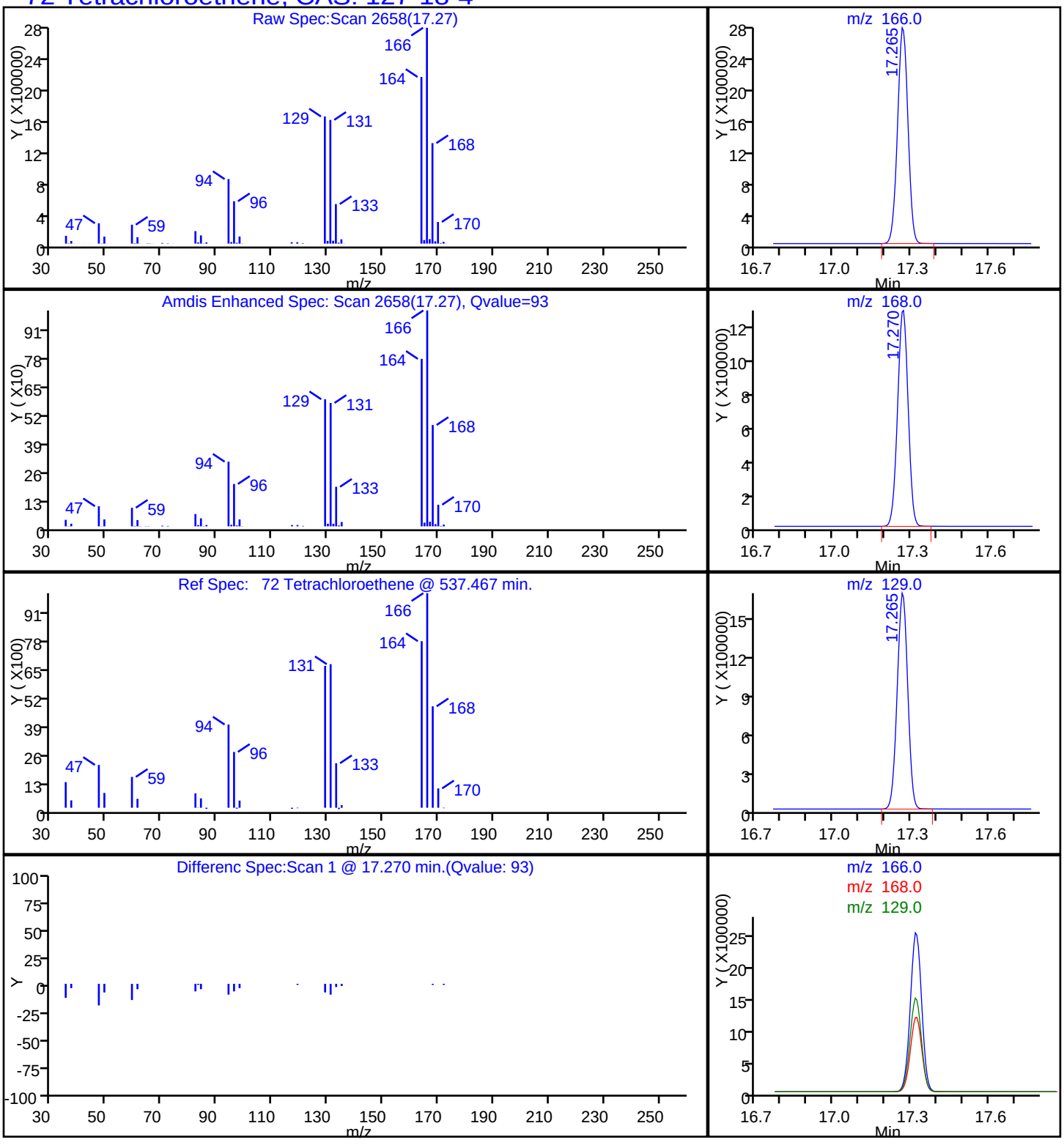
Report Date: 11-Apr-2014 10:53:31 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



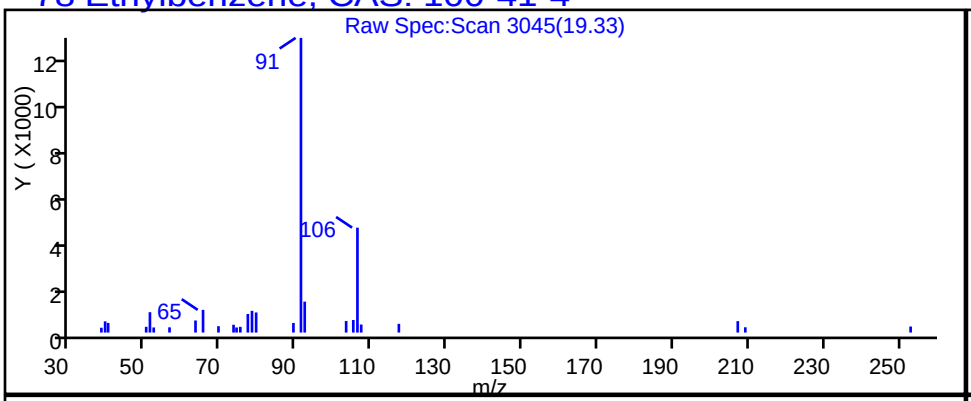
Report Date: 11-Apr-2014 10:53:31 Chrom Revision: 2.2 10-Apr-2014 15:11:30

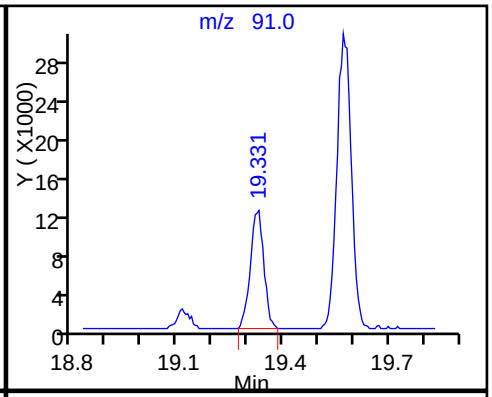
TestAmerica Burlington

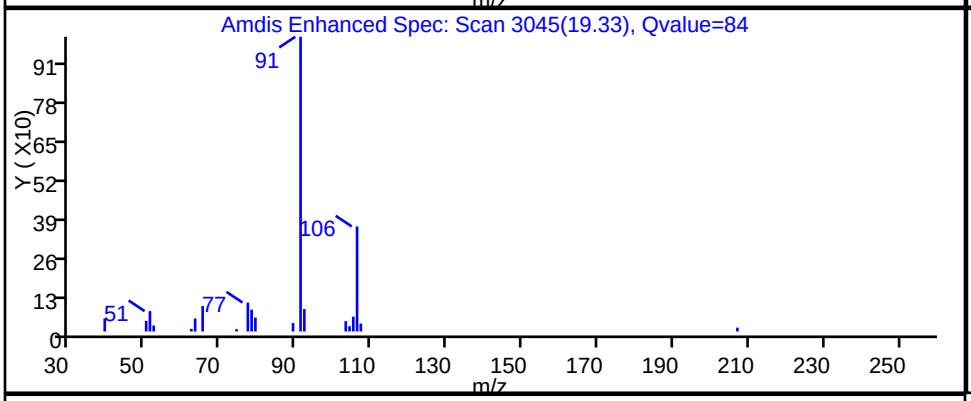
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

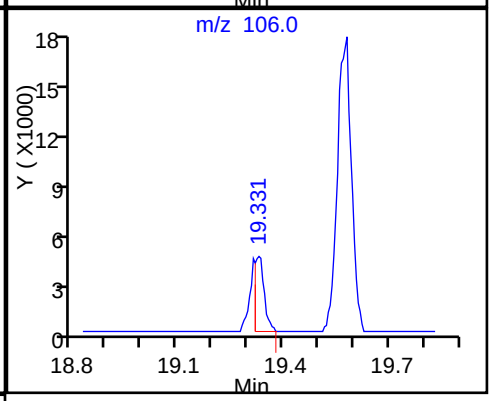
Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

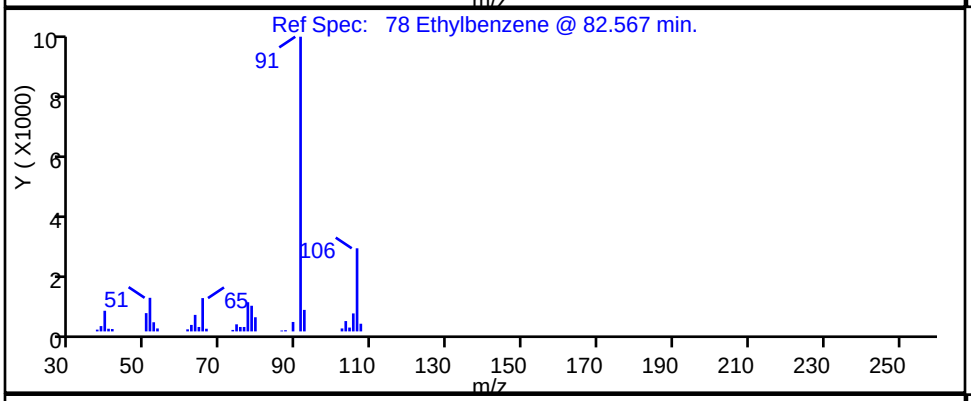
78 Ethylbenzene, CAS: 100-41-4

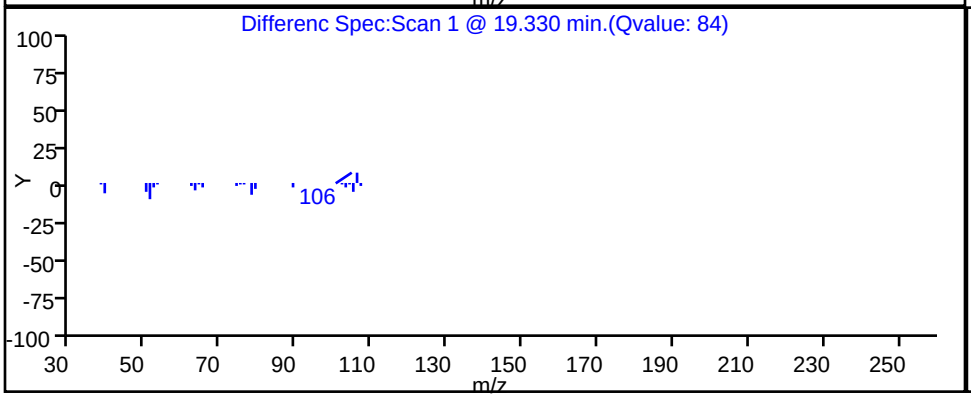


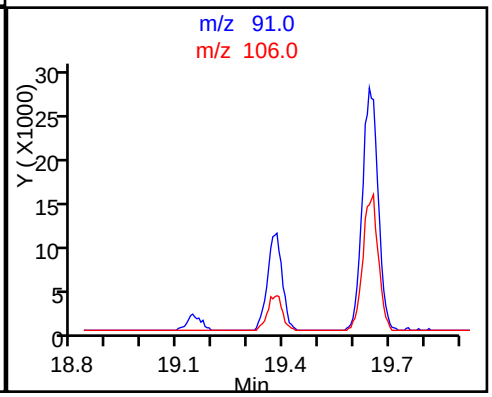












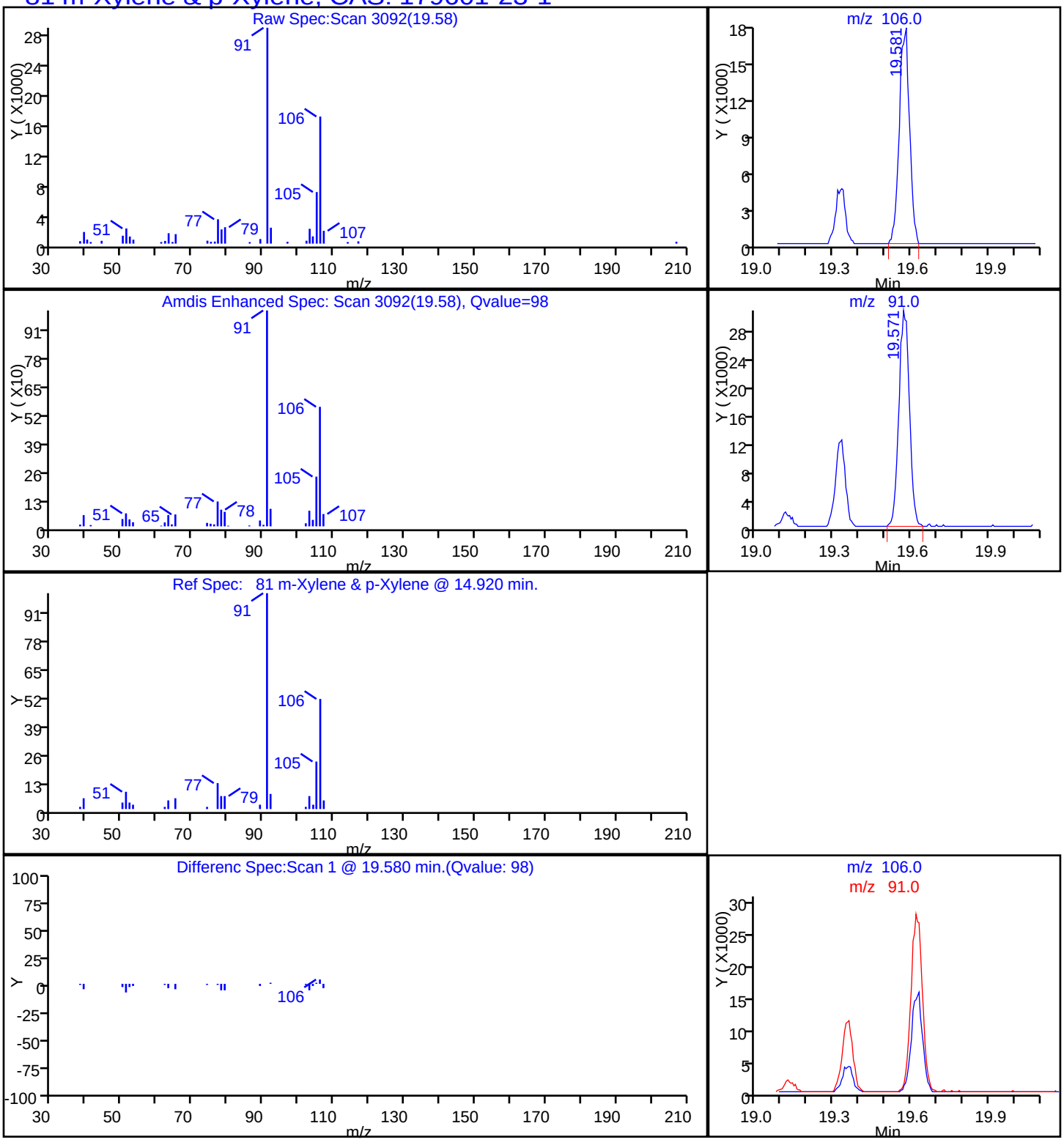
Report Date: 11-Apr-2014 10:53:31 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



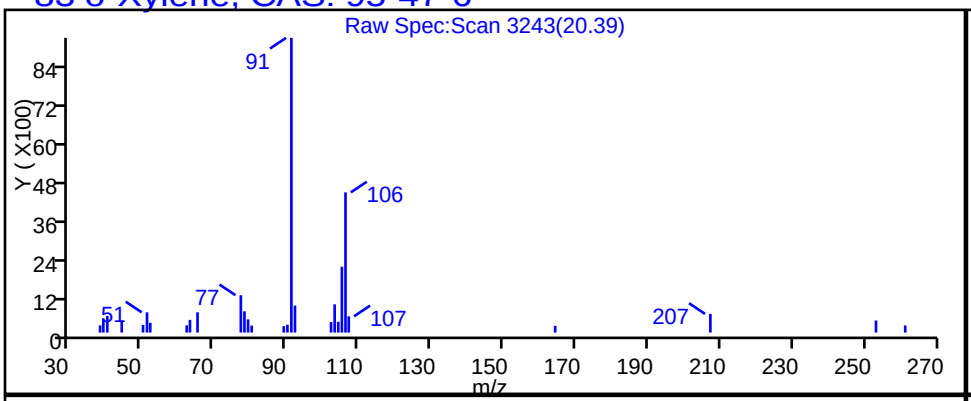
Report Date: 11-Apr-2014 10:53:31 Chrom Revision: 2.2 10-Apr-2014 15:11:30

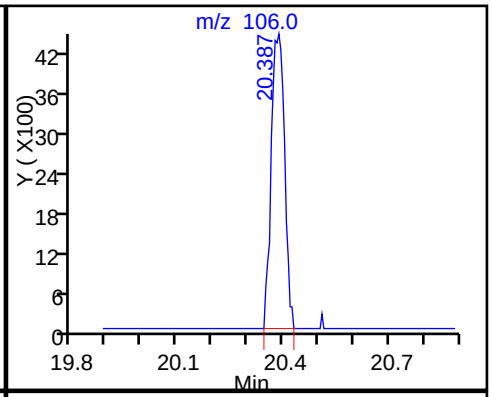
TestAmerica Burlington

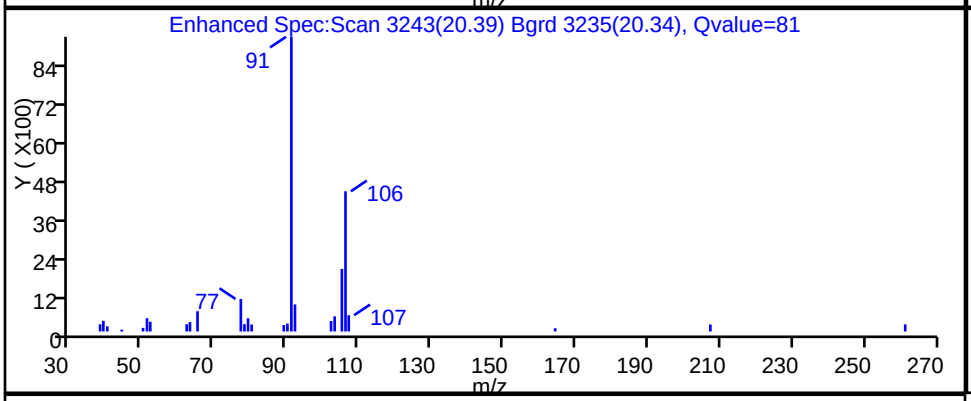
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

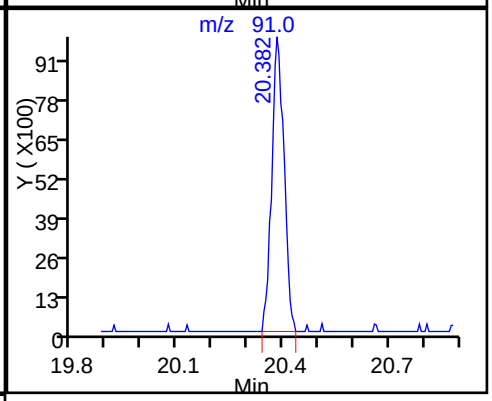
Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

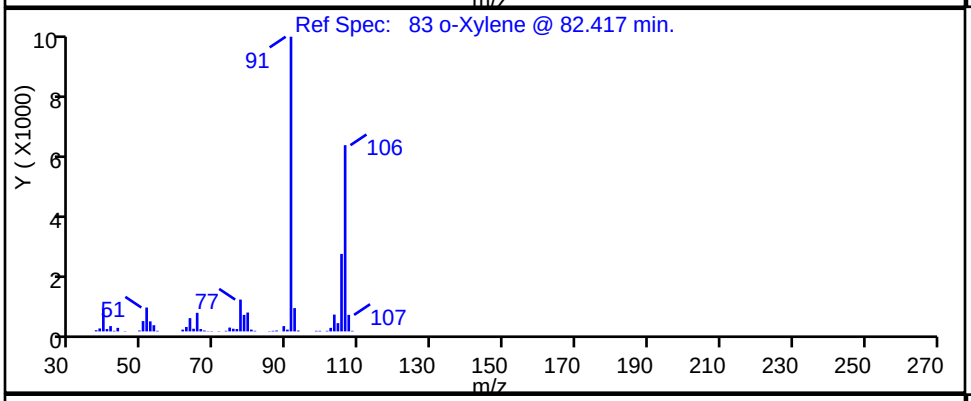
83 o-Xylene, CAS: 95-47-6

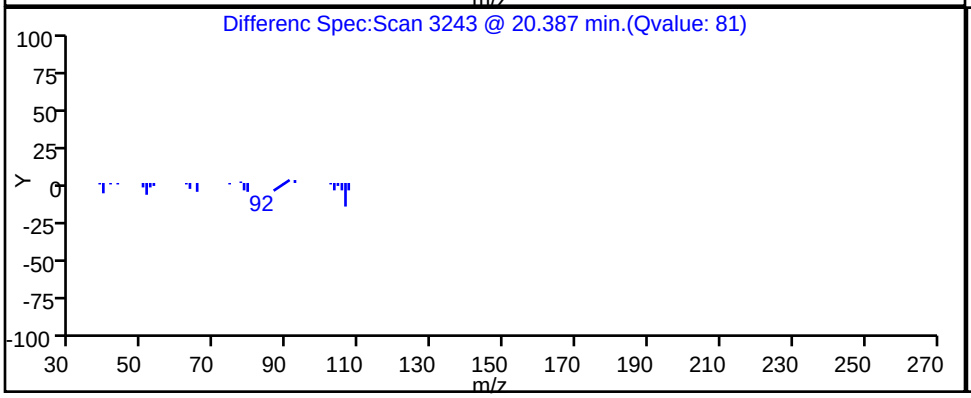


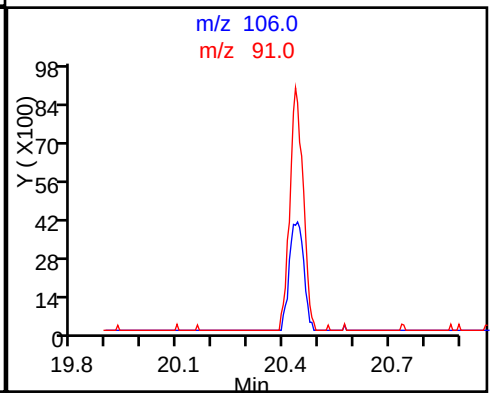












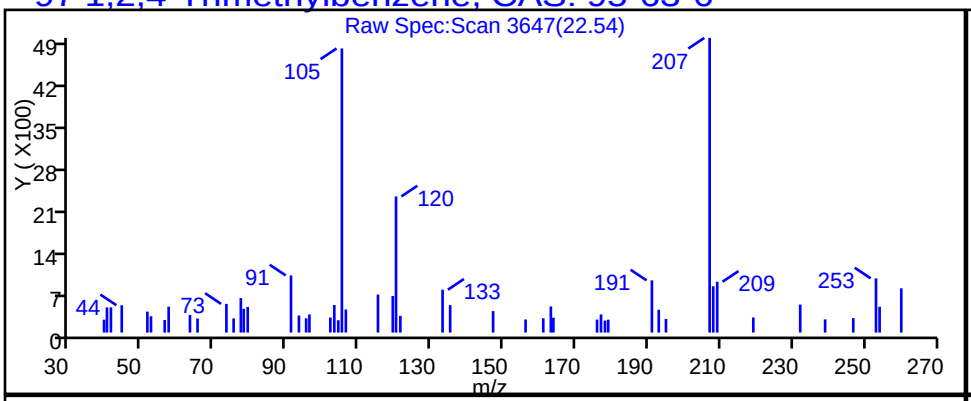
Report Date: 11-Apr-2014 10:53:31 Chrom Revision: 2.2 10-Apr-2014 15:11:30

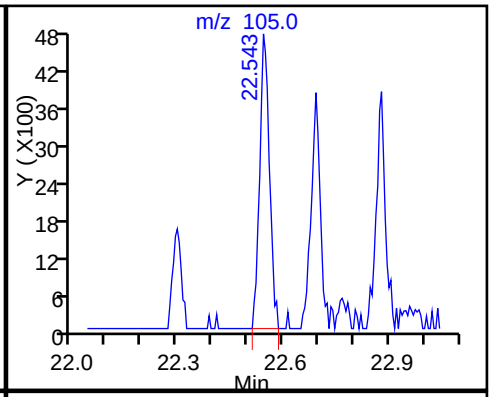
TestAmerica Burlington

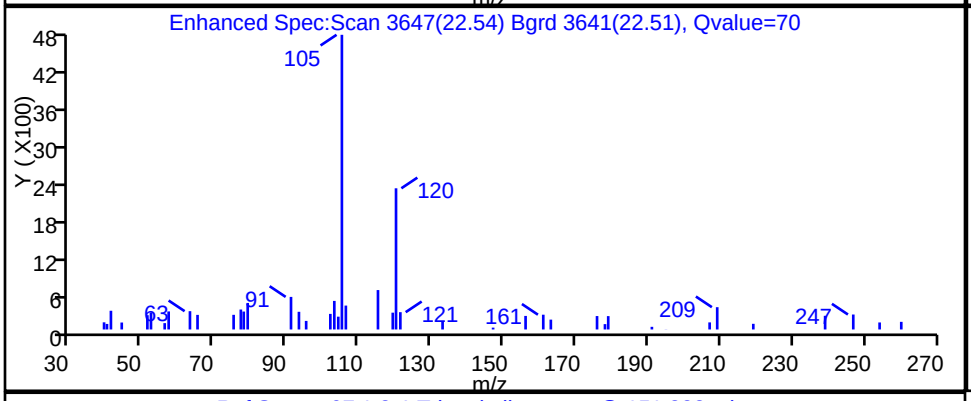
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_12.D

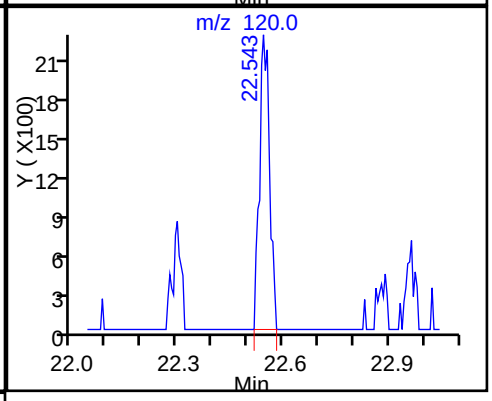
Injection Date:	10-Apr-2014 22:57:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-5	Lab Sample ID:	200-21727-5		
Client ID:	SDS-1				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

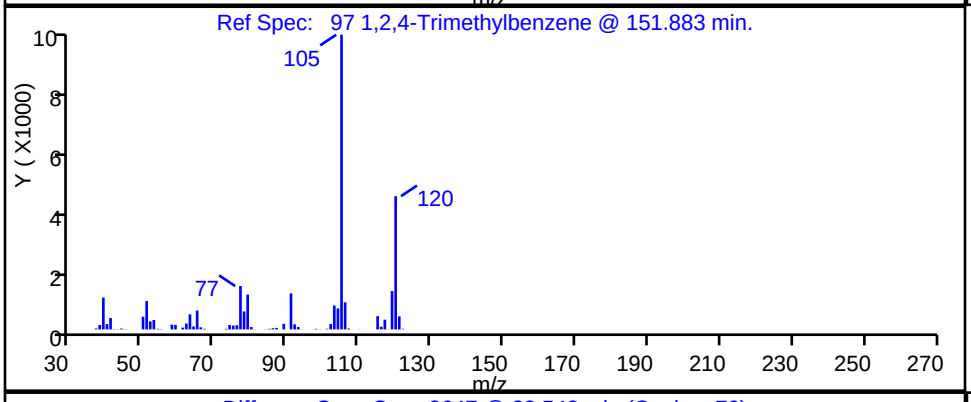
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

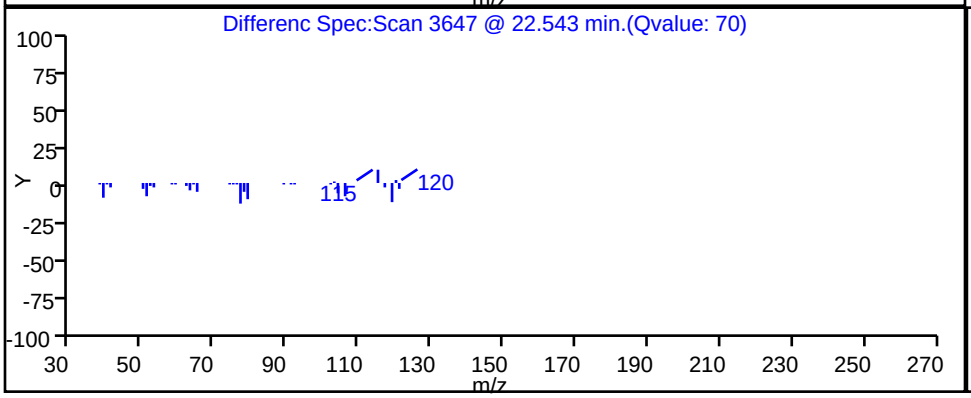


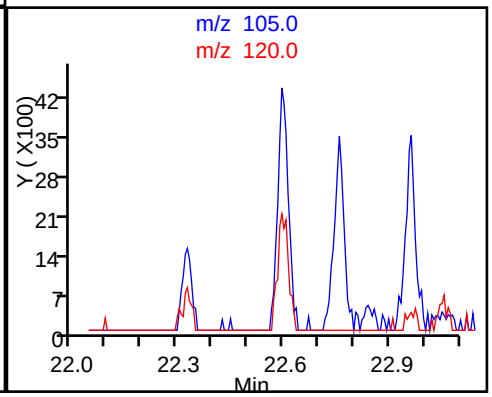












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-2 Lab Sample ID: 200-21727-6

Matrix: Air Lab File ID: 6977_13.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:15

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 23:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	3.7		0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.35	J	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.86		0.20	0.030
76-13-1	Freon 113	187.38	0.092	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	6.3		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	60	E	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	1.3		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.18	J	0.20	0.029
110-54-3	Hexane	86.17	0.094	J	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.76		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.18	J	0.20	0.064
67-66-3	Chloroform	119.38	0.15	J	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	0.15	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	2.1		0.20	0.021
110-82-7	Cyclohexane	84.16	3.8		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.061		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.065	J	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-2 Lab Sample ID: 200-21727-6

Matrix: Air Lab File ID: 6977_13.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:15

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 23:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	3.3		0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.13	J	0.50	0.027
108-88-3	Toluene	92.14	0.18	J	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	7.6		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.18	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.52		0.50	0.023
95-47-6	Xylene, o-	106.17	0.13	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.65		0.20	0.034
100-42-5	Styrene	104.15	0.085	J	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.032	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.023	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.067	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-2 Lab Sample ID: 200-21727-6

Matrix: Air Lab File ID: 6977_13.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:15

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 23:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-2 Lab Sample ID: 200-21727-6

Matrix: Air Lab File ID: 6977_13.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:15

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 23:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	18		2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	0.72	J	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	4.8		1.1	0.17
76-13-1	Freon 113	187.38	0.70	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	15		12	3.0
67-63-0	Isopropyl alcohol	60.10	150	E	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	4.4		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.71	J	0.79	0.11
110-54-3	Hexane	86.17	0.33	J	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	2.2		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.71	J	0.79	0.25
67-66-3	Chloroform	119.38	0.75	J	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.44	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	12		1.1	0.11
110-82-7	Cyclohexane	84.16	13		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.38		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.21	J	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-2 Lab Sample ID: 200-21727-6

Matrix: Air Lab File ID: 6977_13.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:15

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 23:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	18		0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.53	J	2.0	0.11
108-88-3	Toluene	92.14	0.68	J	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	52		1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.78	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.3		2.2	0.10
95-47-6	Xylene, o-	106.17	0.59	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	2.8		0.87	0.15
100-42-5	Styrene	104.15	0.36	J	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.16	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.11	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.33	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-2 Lab Sample ID: 200-21727-6

Matrix: Air Lab File ID: 6977_13.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:15

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 23:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D
Lims ID: 200-21727-A-6 Lab Sample ID: 200-21727-6
Client ID: SDS-2
Sample Type: Client
Inject. Date: 10-Apr-2014 23:49:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006977-013
Misc. Info.: 21727-6
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 10:57:18 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 10:57:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.256	3.256	0.000	83	478122	3.69	
6 Chlorodifluoromethane	51		3.315					
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50	3.704	3.699	0.005	93	7475	0.3492	
9 Butane	43	3.918	3.912	0.006	88	9353	0.2735	
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.049					
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101	5.572	5.567	0.005	83	137275	0.8558	
23 1,1,2-Trichloro-1,2,2-trif	101	6.709	6.714	-0.005	72	8864	0.0916	
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43	7.040	7.034	0.006	88	235758	6.32	
26 Carbon disulfide	76	7.141	7.141	0.000	80	5745	0.0624	
27 Isopropyl alcohol	45	7.355	7.355	0.000	98	1637885	59.8	E
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.894	7.894	0.000	72	33761	1.25	
32 2-Methyl-2-propanol	59		8.155					
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61	8.347	8.342	0.005	55	8077	0.1799	M
36 Hexane	57	8.726	8.732	-0.006	74	4024	0.0940	
37 1,1-Dichloroethane	63	9.260	9.260	0.000	3	1935	0.0302	
S 41 1,2-Dichloroethene, Total	61				0		0.1799	
39 cis-1,2-Dichloroethene	96		10.418					
40 2-Butanone (MEK)	72	10.503	10.498	0.005	96	16130	0.7604	
* 43 Chlorobromomethane	128	10.909	10.909	0.000	66	502555	10.0	
44 Tetrahydrofuran	42	10.946	10.925	0.021	82	4000	0.1492	
45 Chloroform	83	11.053	11.048	0.005	79	18118	0.1536	
46 Cyclohexane	84	11.283	11.283	0.000	78	261202	3.78	
47 1,1,1-Trichloroethane	97	11.325	11.325	0.000	93	313776	2.12	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.571	11.581	-0.010	86	10959	0.0607	
51 Isooctane	57		12.035					
50 Benzene	78	12.072	12.083	-0.011	61	10261	0.0649	
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43		12.451					
* 54 1,4-Difluorobenzene	114	12.974	12.980	-0.006	91	2663525	10.0	
56 Trichloroethene	95	13.460	13.460	0.000	93	319392	3.29	
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69		14.234					
60 1,4-Dioxane	88		14.303					
62 Dichlorobromomethane	83		14.629					
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43	15.904	15.894	0.010	77	11478	0.1298	
66 Toluene	92	16.182	16.182	0.000	87	28246	0.1801	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166	17.265	17.265	0.000	95	1538362	7.61	
73 2-Hexanone	43	17.644	17.639	0.005	81	9585	0.1079	
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	81	2752200	10.0	
77 Chlorobenzene	112		19.181					
78 Ethylbenzene	91	19.325	19.325	0.000	95	66715	0.1803	
81 m-Xylene & p-Xylene	106	19.571	19.576	-0.005	100	83616	0.5237	
S 82 Xylenes, Total	106				0		0.6585	
83 o-Xylene	106	20.393	20.387	0.006	74	21035	0.1348	
84 Styrene	104	20.441	20.435	0.006	73	20486	0.0849	
85 Bromoform	173		20.836					
$ 87 4-Bromofluorobenzene	95	21.375	21.375	0.000	94	1837161	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91		21.706					
91 4-Ethyltoluene	105	21.876	21.882	-0.006	61	14774	0.0317	
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105	21.978	21.983	-0.005	65	9408	0.0228	
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105	22.549	22.549	0.000	89	27978	0.0666	
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119		22.965					
100 1,3-Dichlorobenzene	146		23.008					
101 1,4-Dichlorobenzene	146		23.141					
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
105 1,2-Dichlorobenzene	146		23.696					
107 1,2,4-Trichlorobenzene	180		26.322					
108 Hexachlorobutadiene	225		26.509					
109 Naphthalene	128		26.850					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

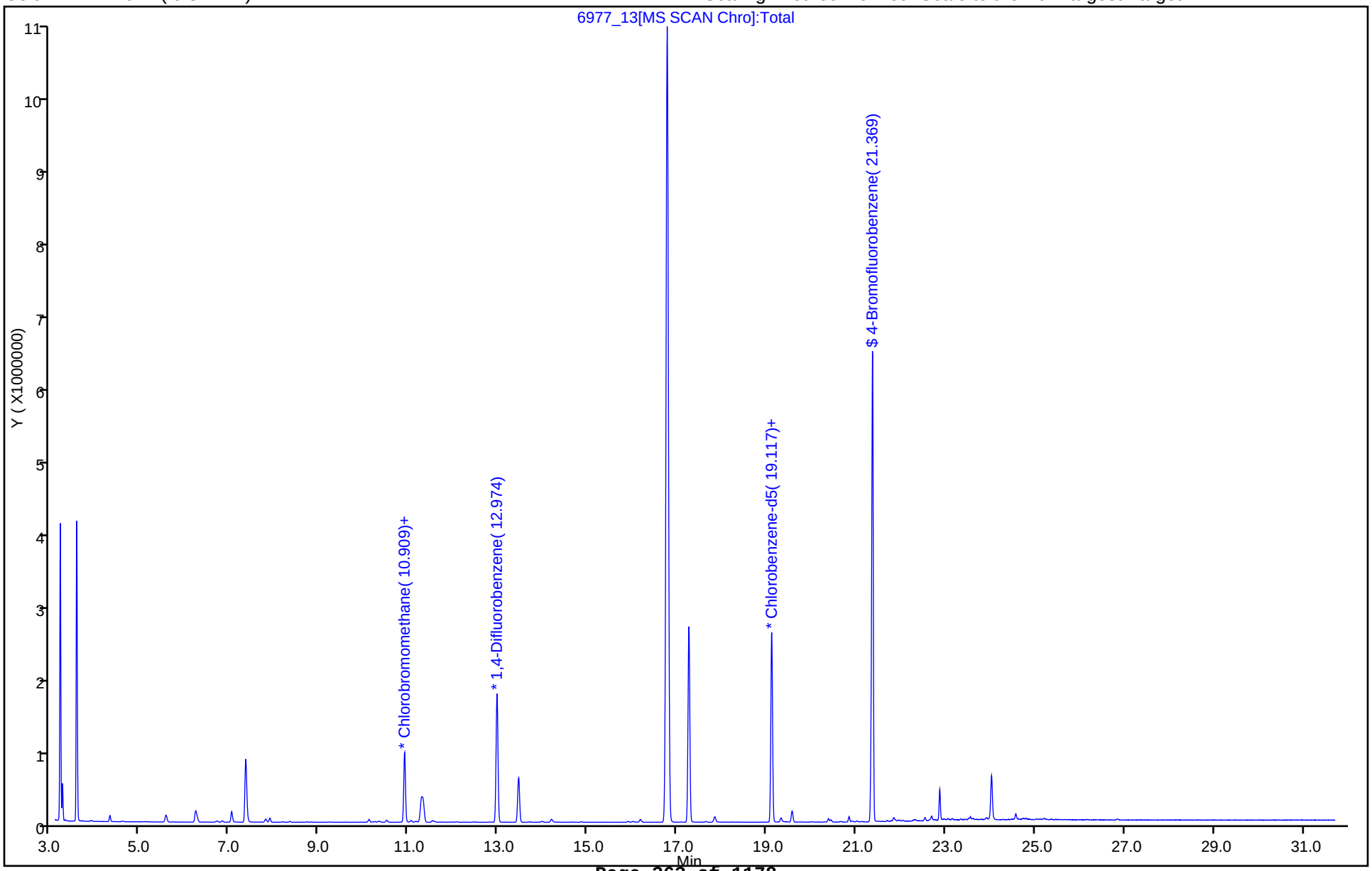
Review Flags
M - Manually Integrated

Report Date: 11-Apr-2014 10:57:18 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D				
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6	Worklist Smp#:	13
Client ID:	SDS-2				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



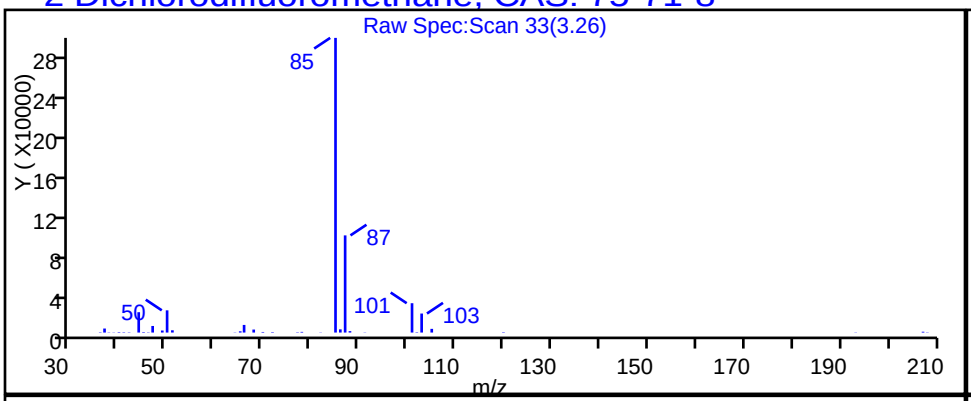
Report Date: 11-Apr-2014 10:57:18 Chrom Revision: 2.2 10-Apr-2014 15:11:30

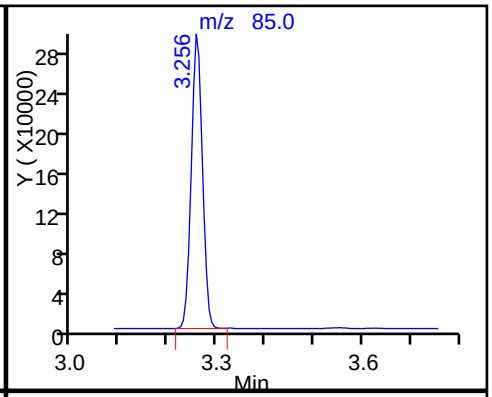
TestAmerica Burlington

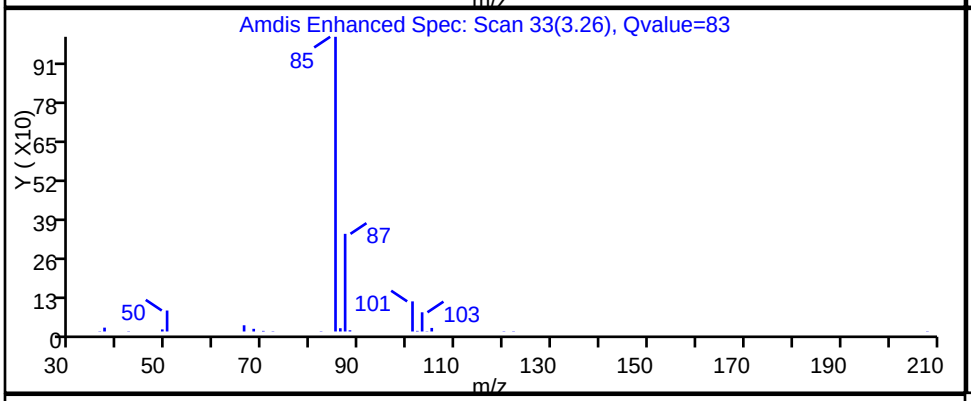
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

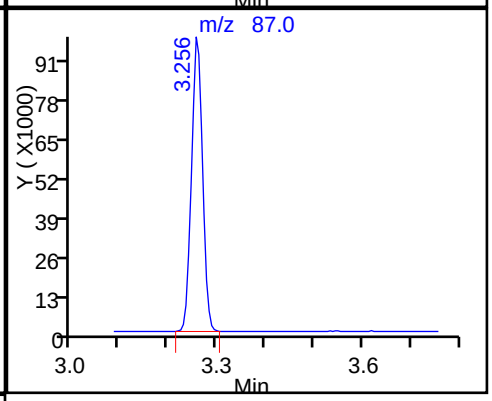
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

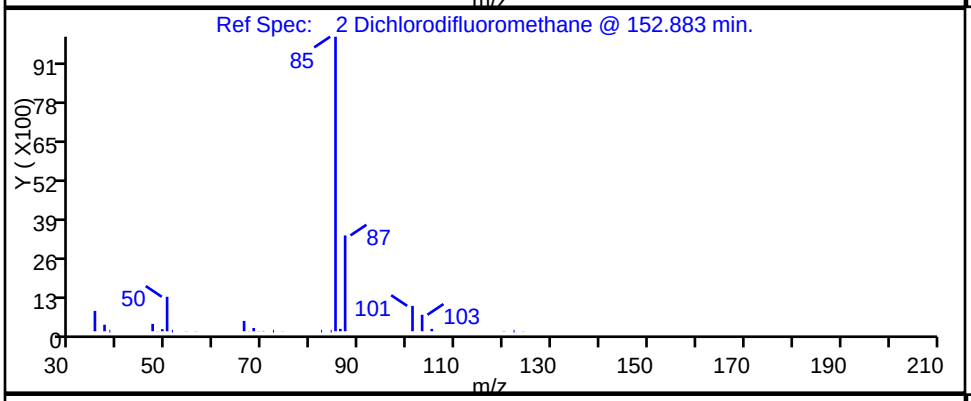
2 Dichlorodifluoromethane, CAS: 75-71-8

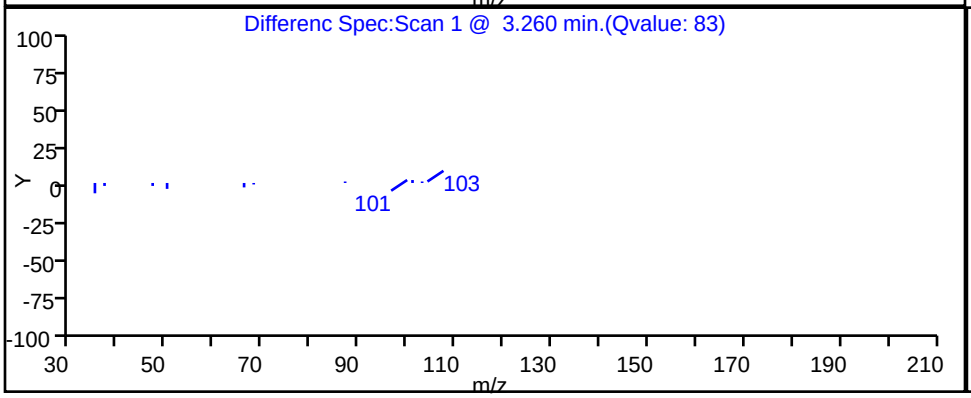


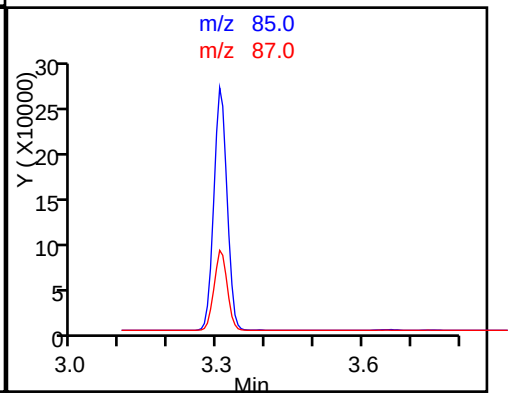












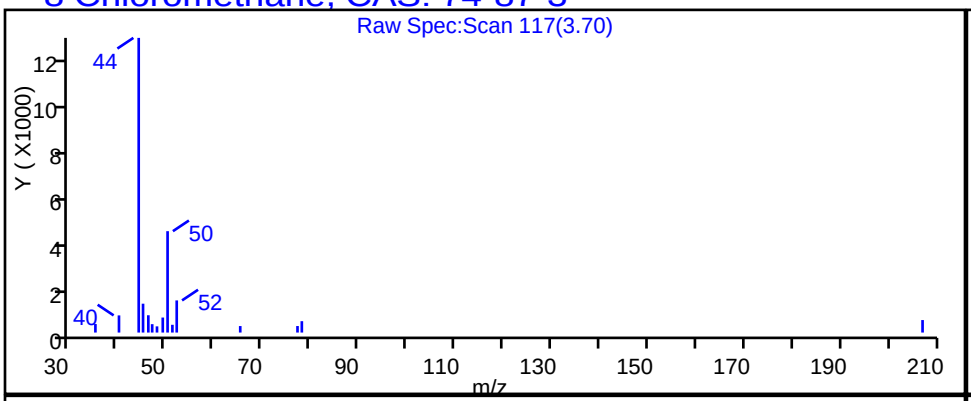
Report Date: 11-Apr-2014 10:57:18 Chrom Revision: 2.2 10-Apr-2014 15:11:30

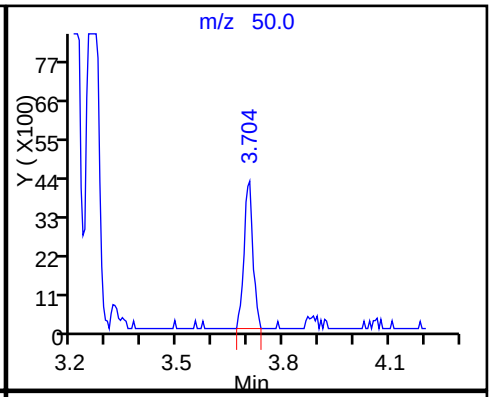
TestAmerica Burlington

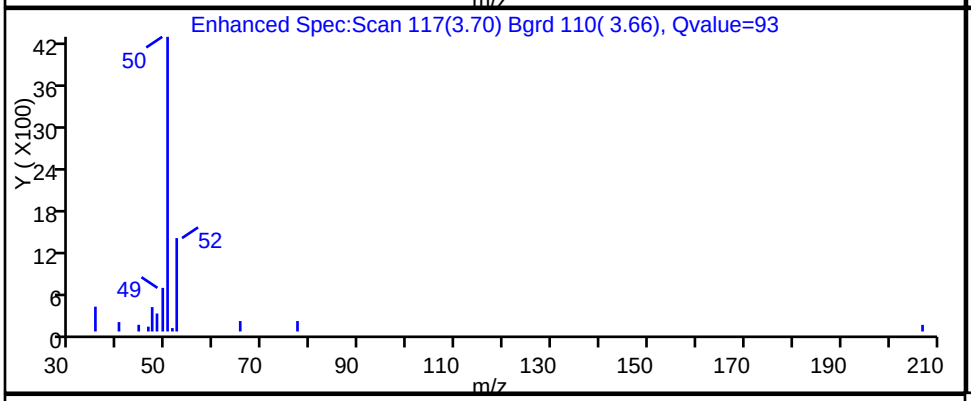
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

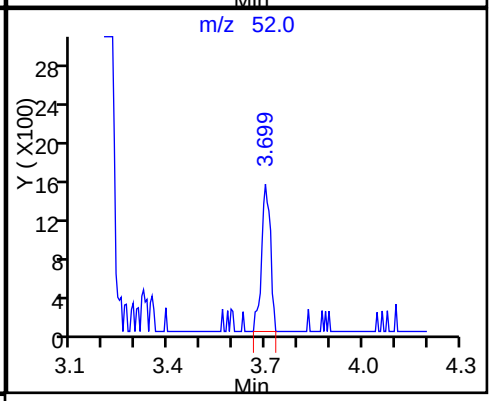
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

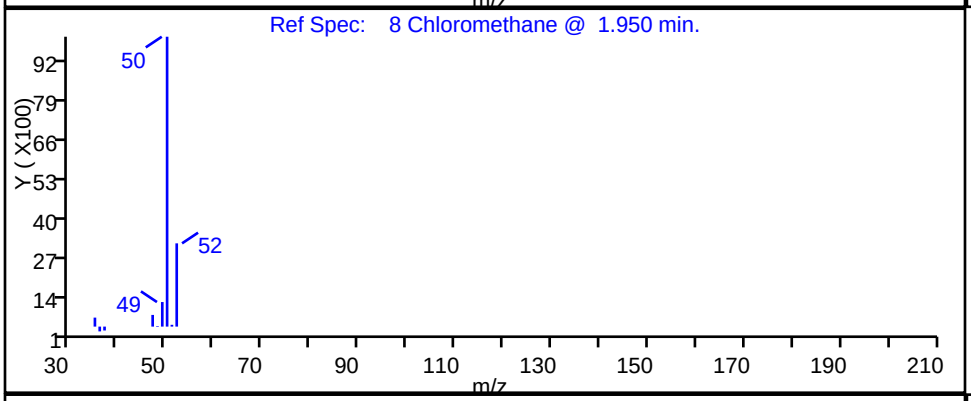
8 Chloromethane, CAS: 74-87-3

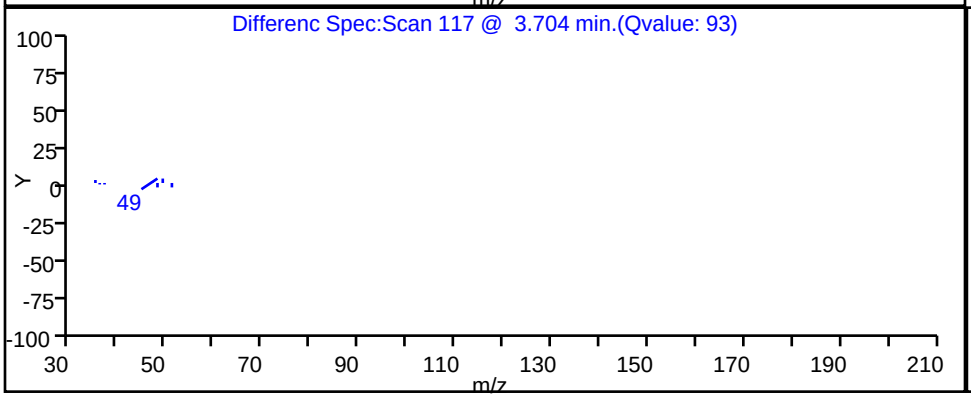


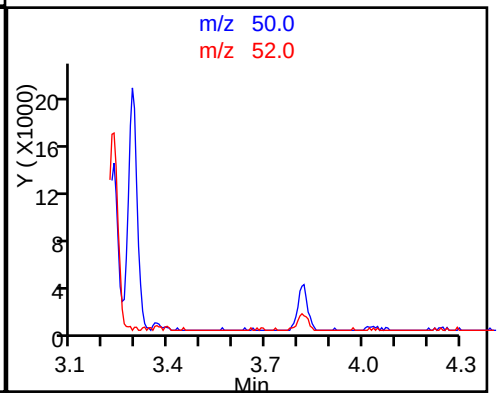












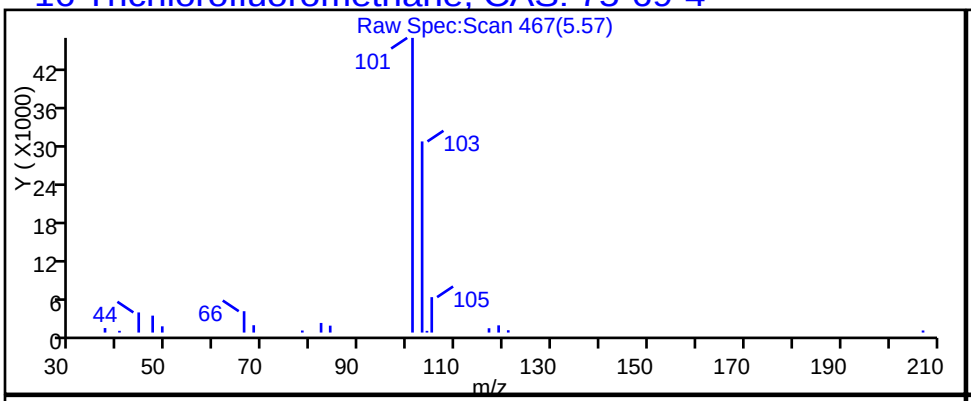
Report Date: 11-Apr-2014 10:57:18 Chrom Revision: 2.2 10-Apr-2014 15:11:30

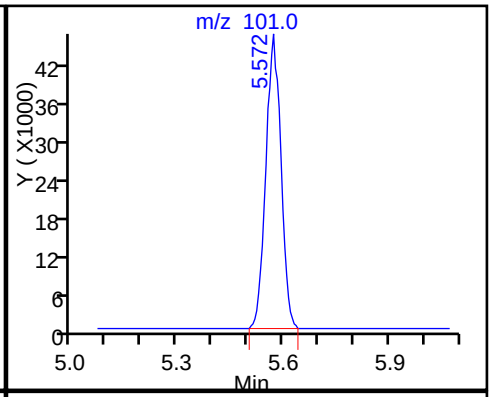
TestAmerica Burlington

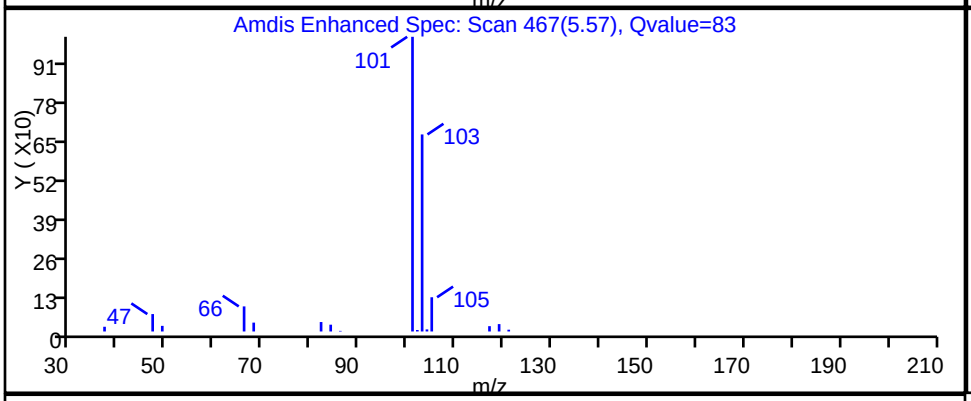
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

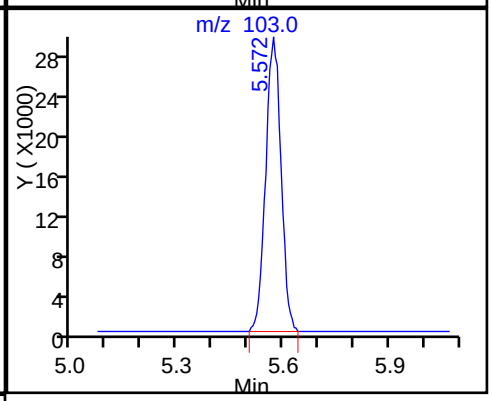
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

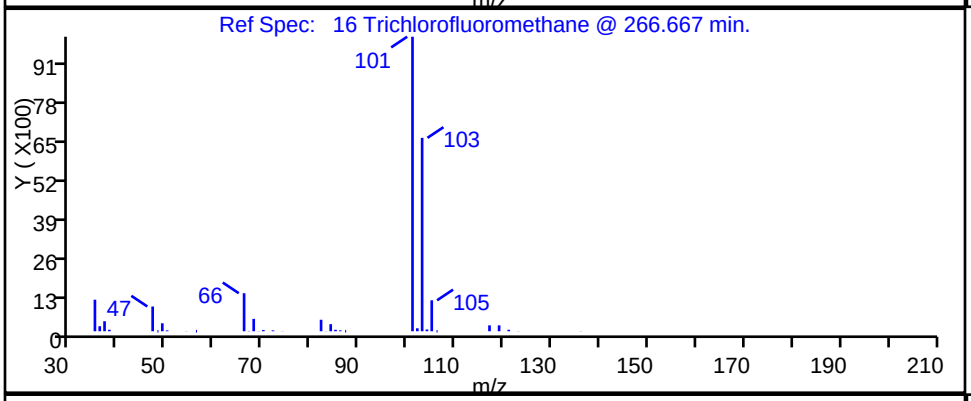
16 Trichlorofluoromethane, CAS: 75-69-4

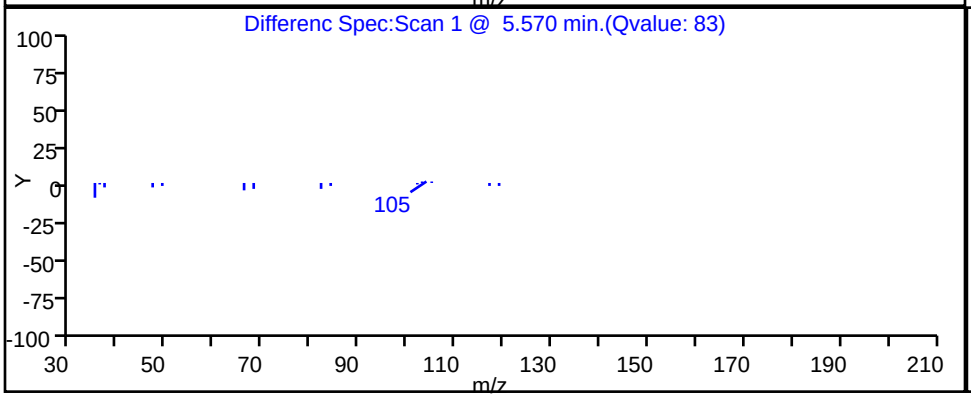


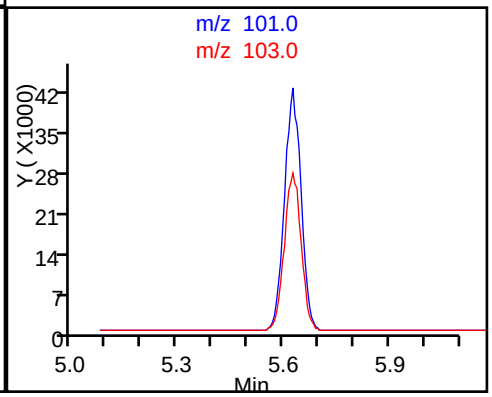












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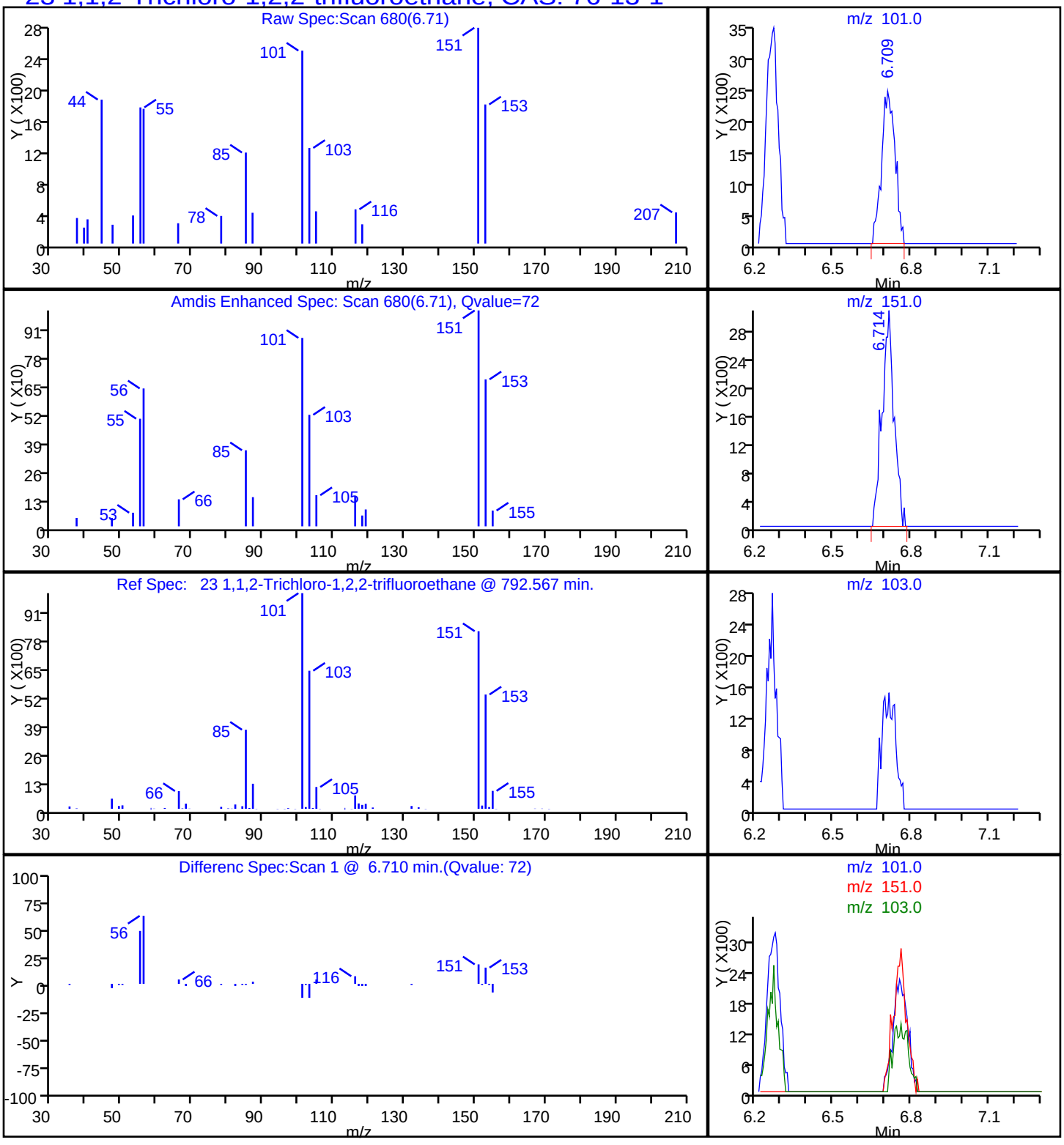
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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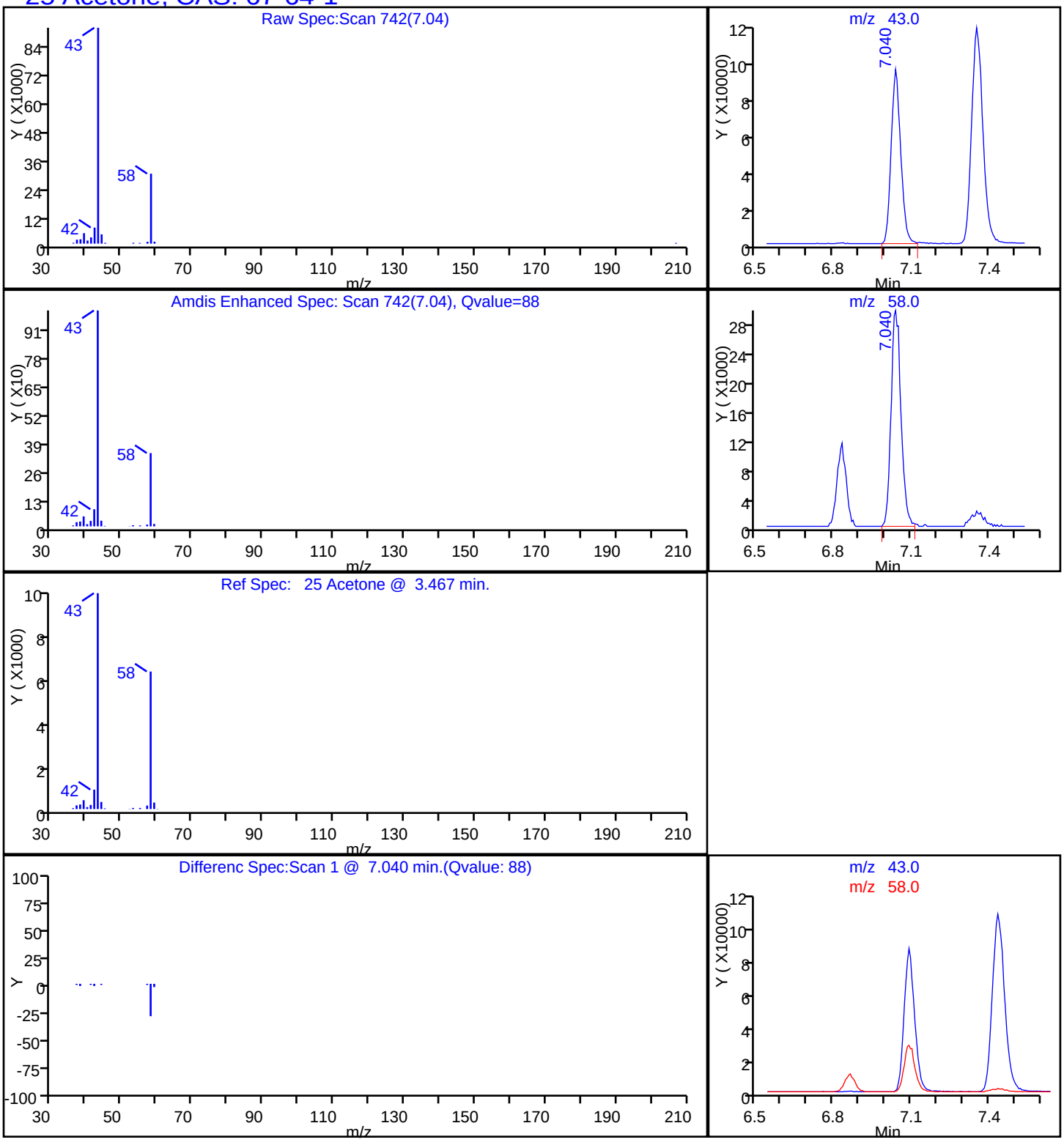
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



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TestAmerica Burlington

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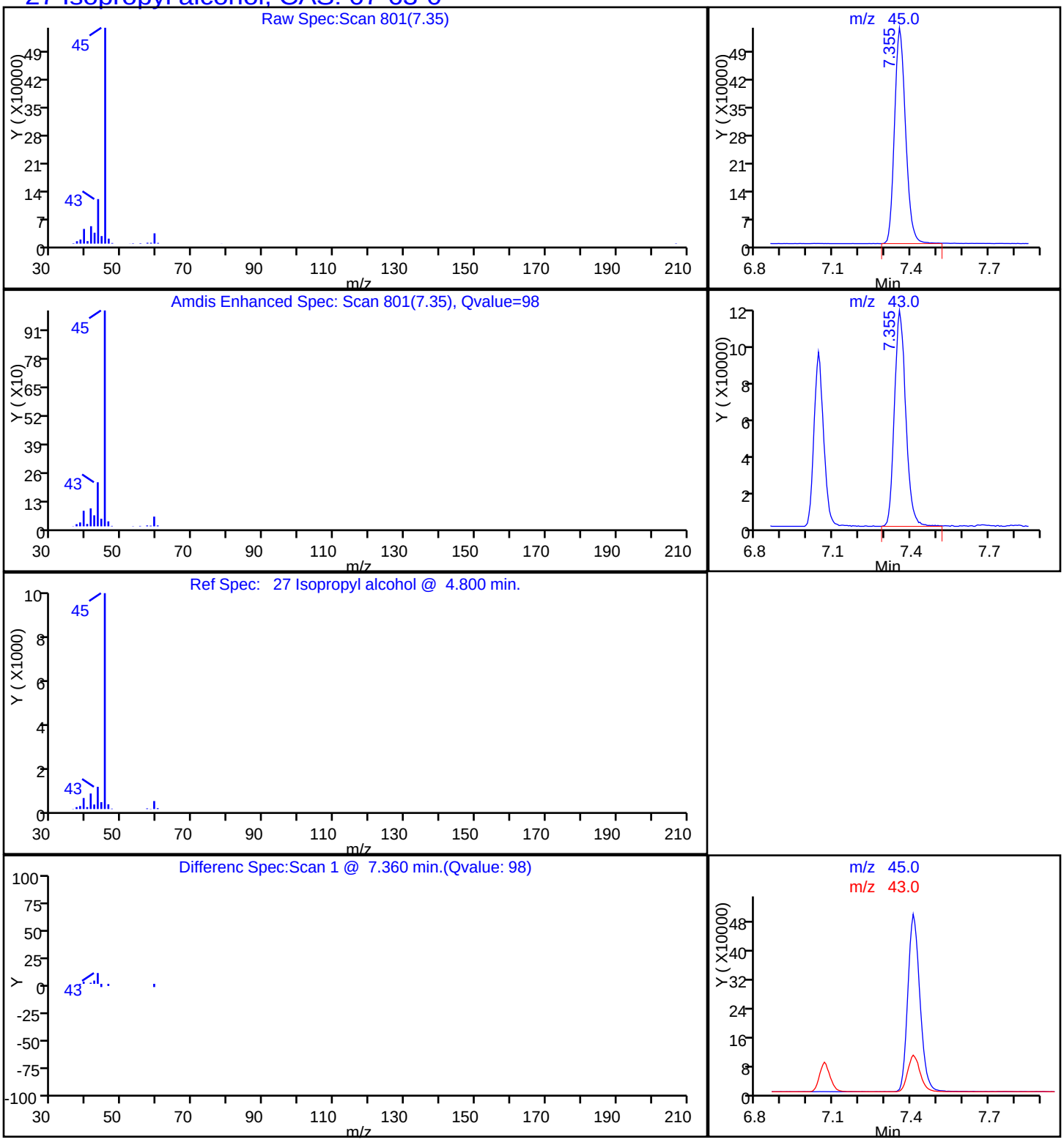
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



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TestAmerica Burlington

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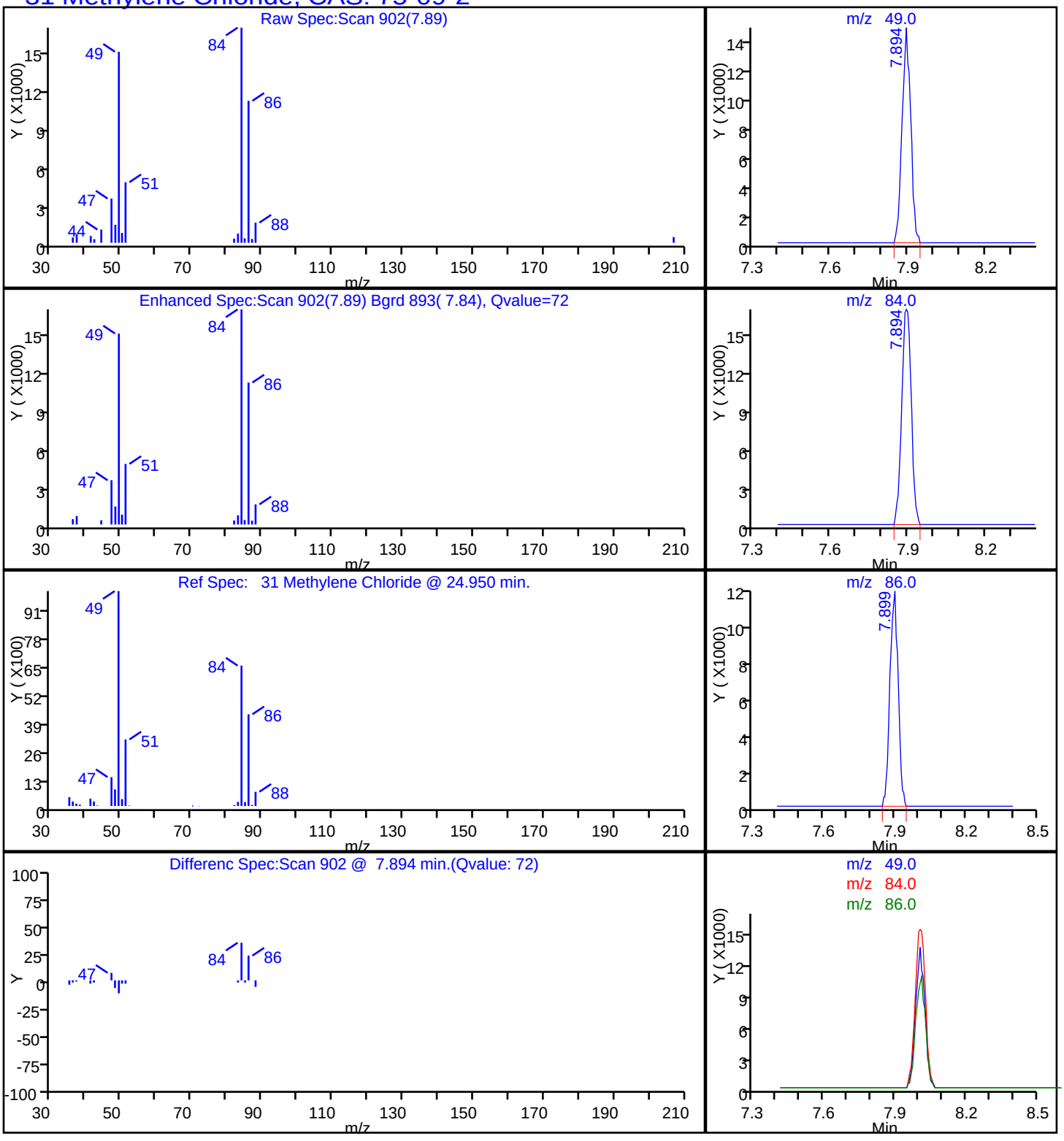
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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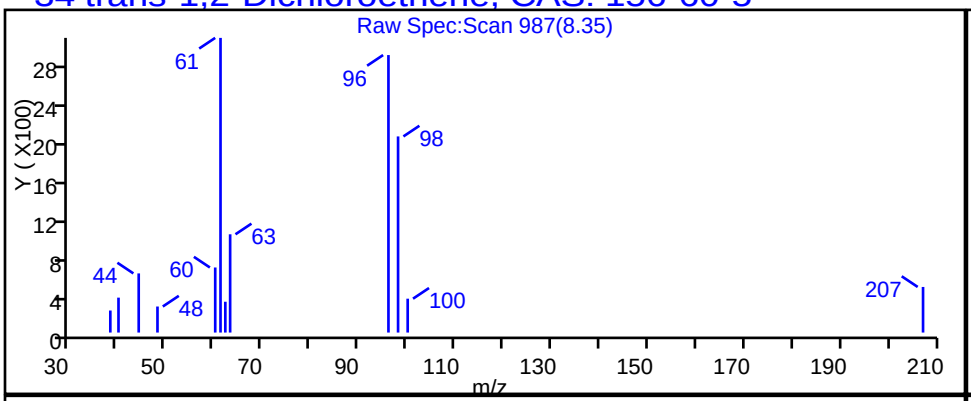
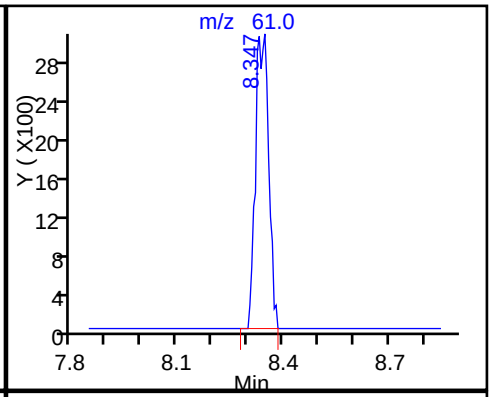
TestAmerica Burlington

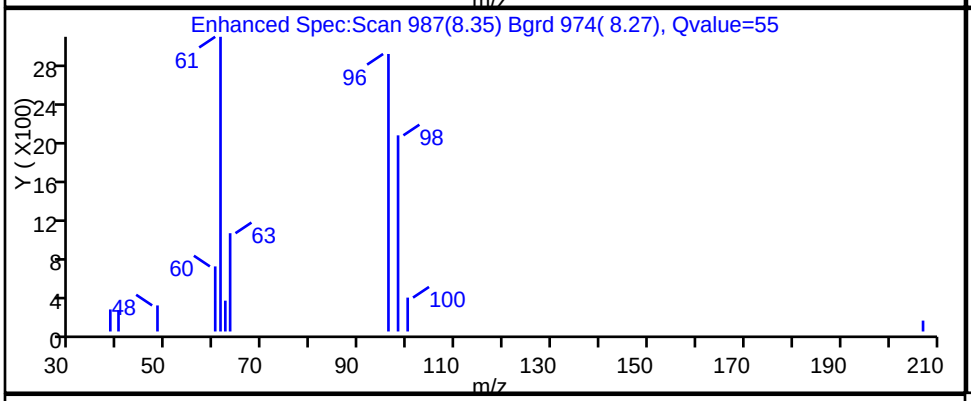
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

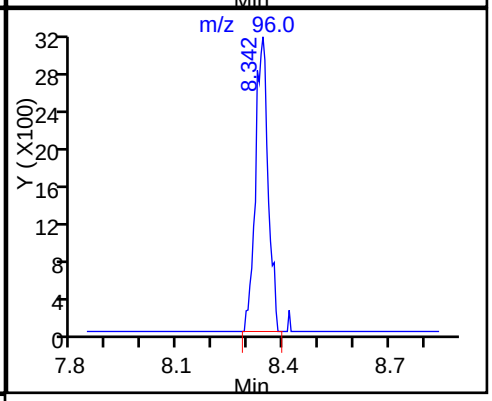
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

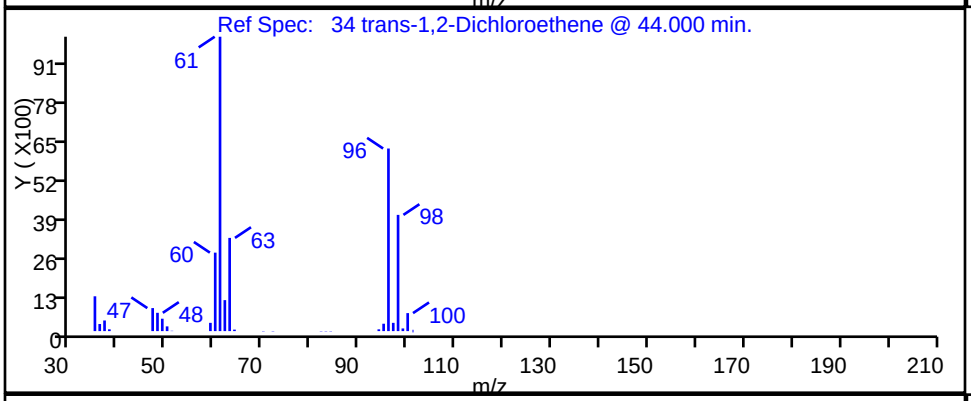
34 trans-1,2-Dichloroethene, CAS: 156-60-5

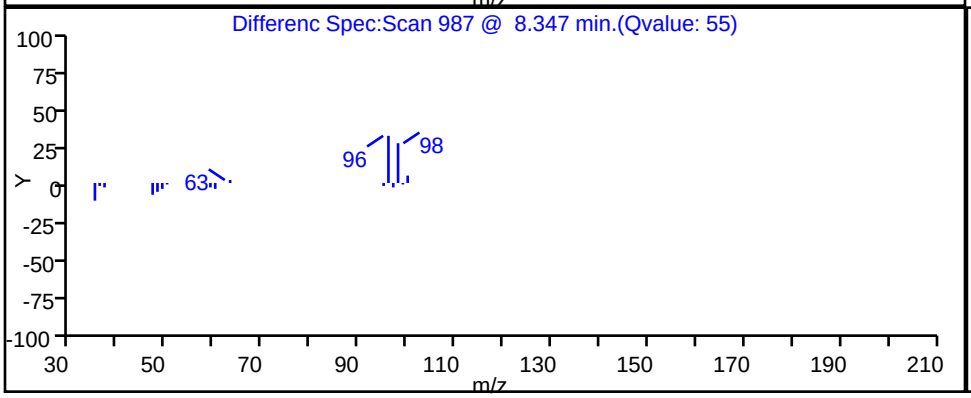


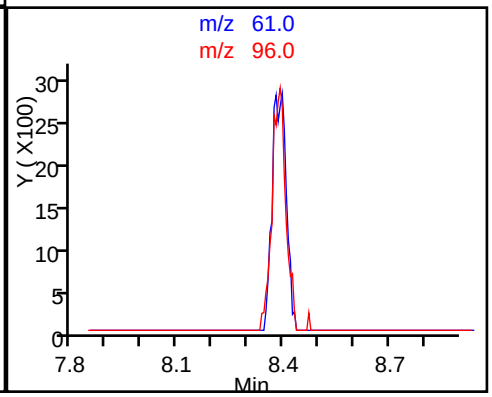












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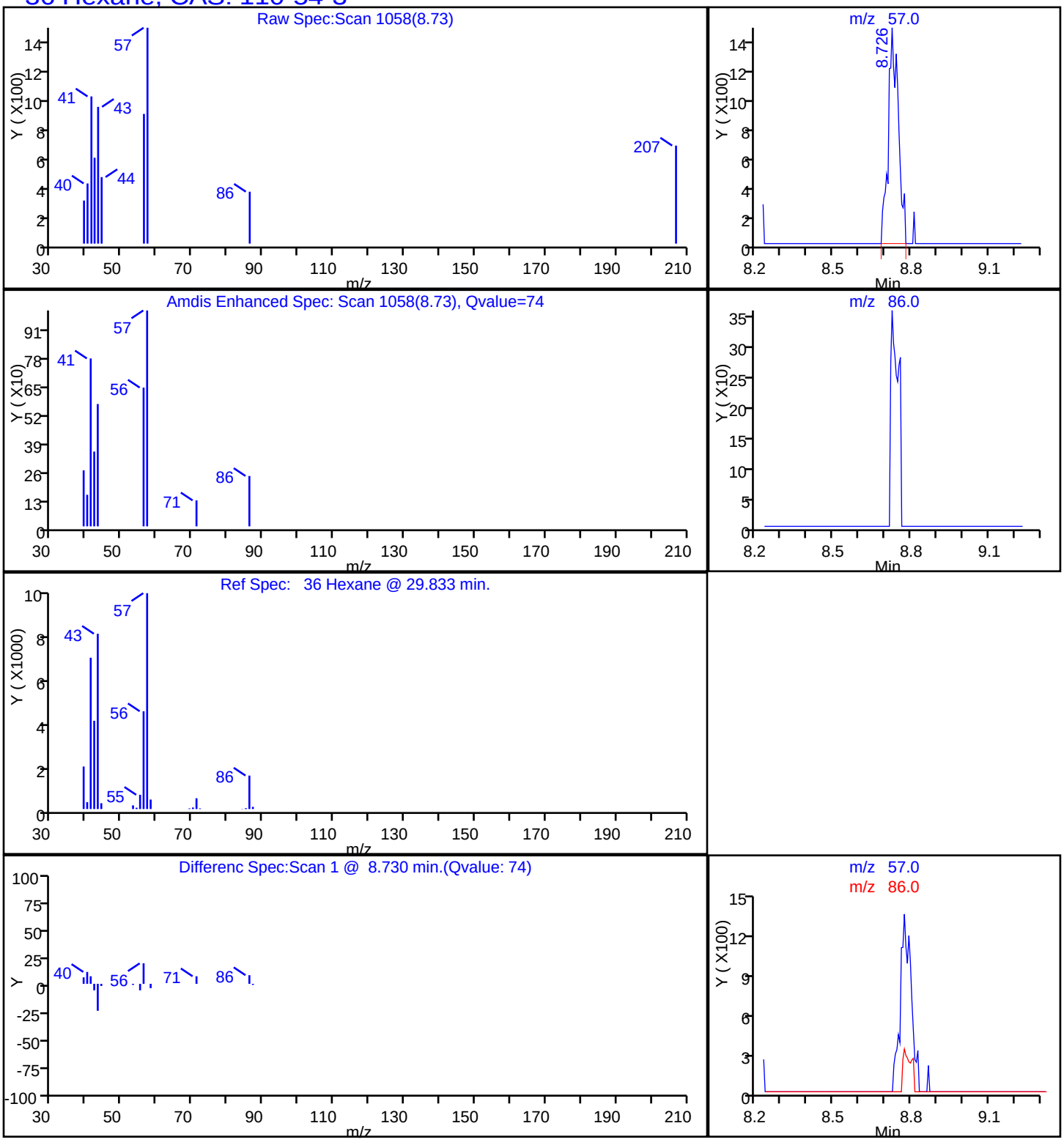
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



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TestAmerica Burlington

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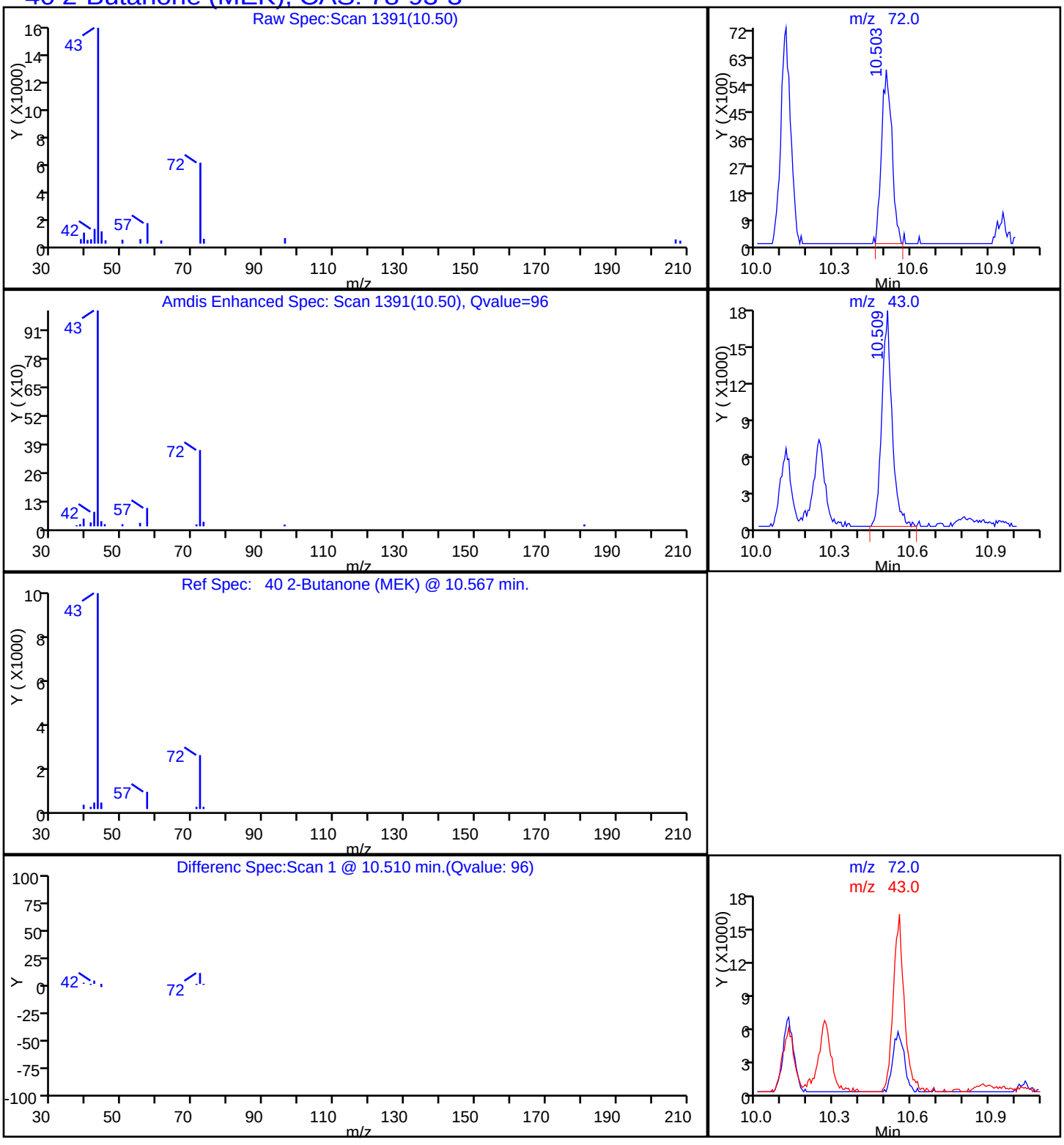
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3



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TestAmerica Burlington

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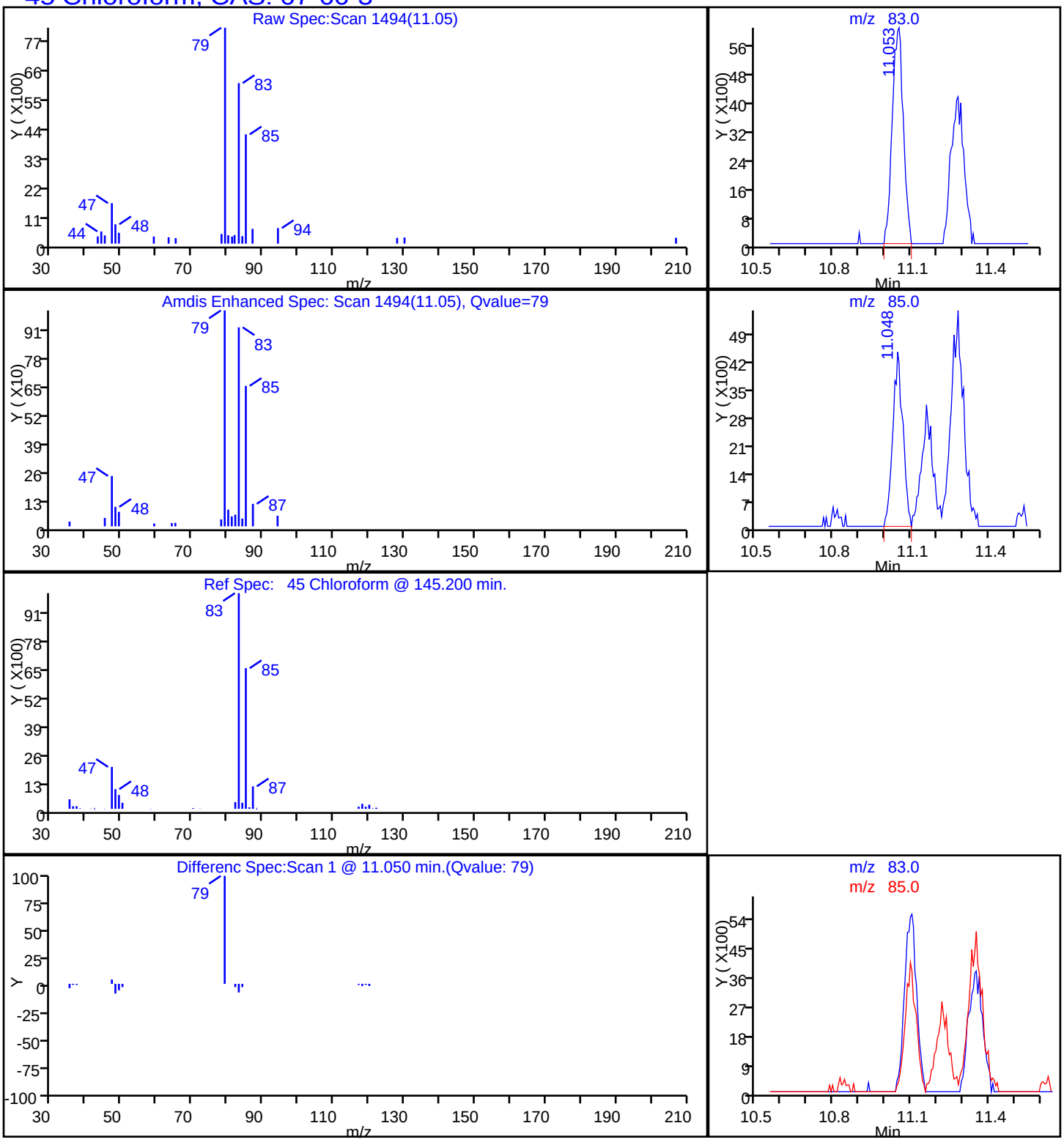
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



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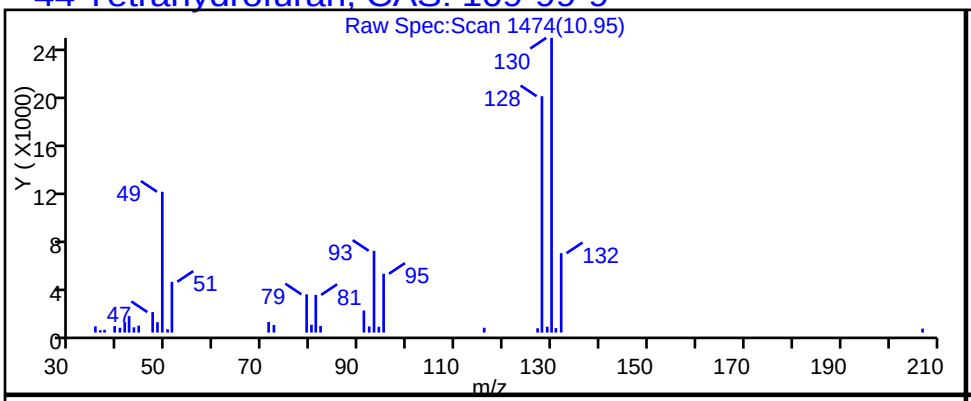
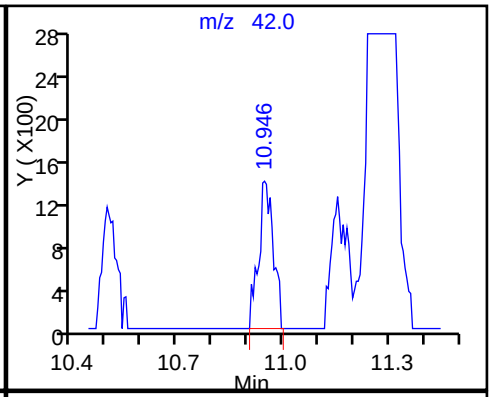
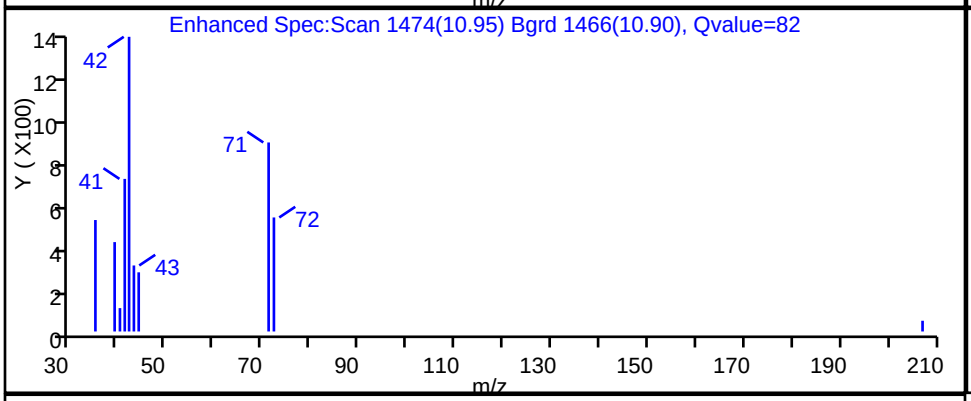
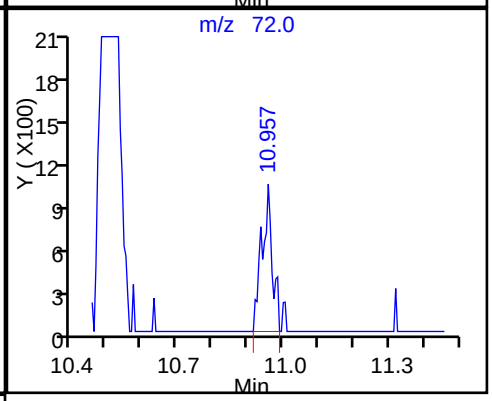
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

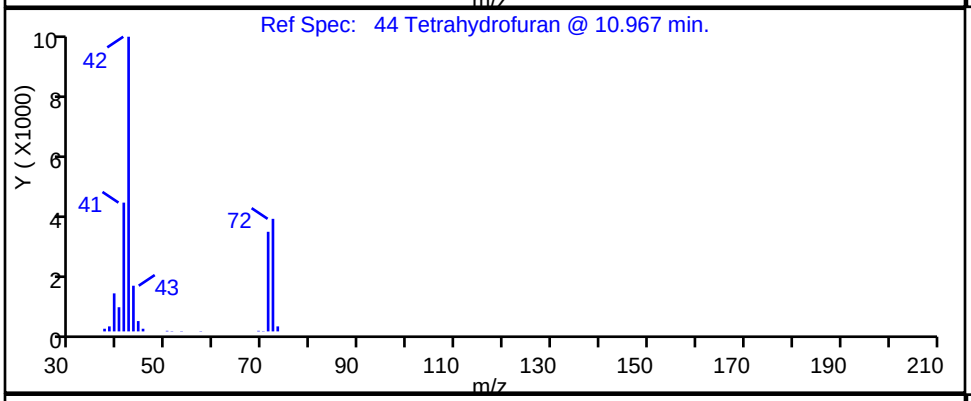
44 Tetrahydrofuran, CAS: 109-99-9

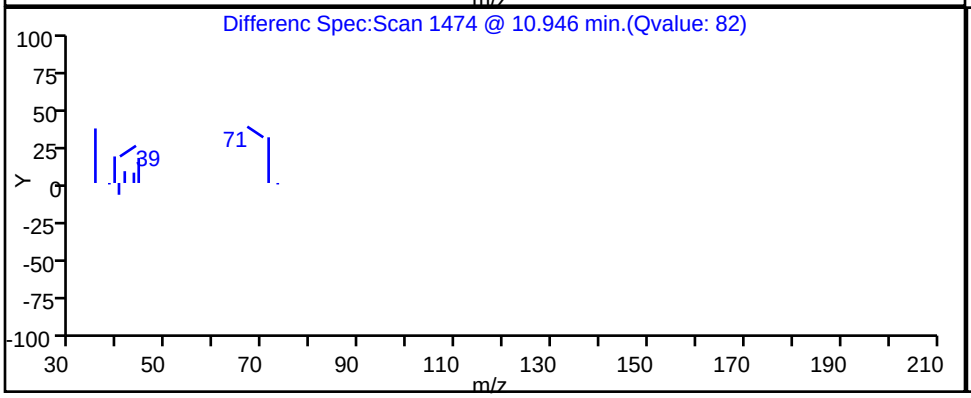


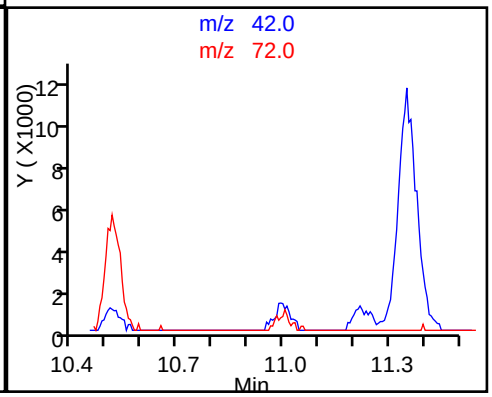












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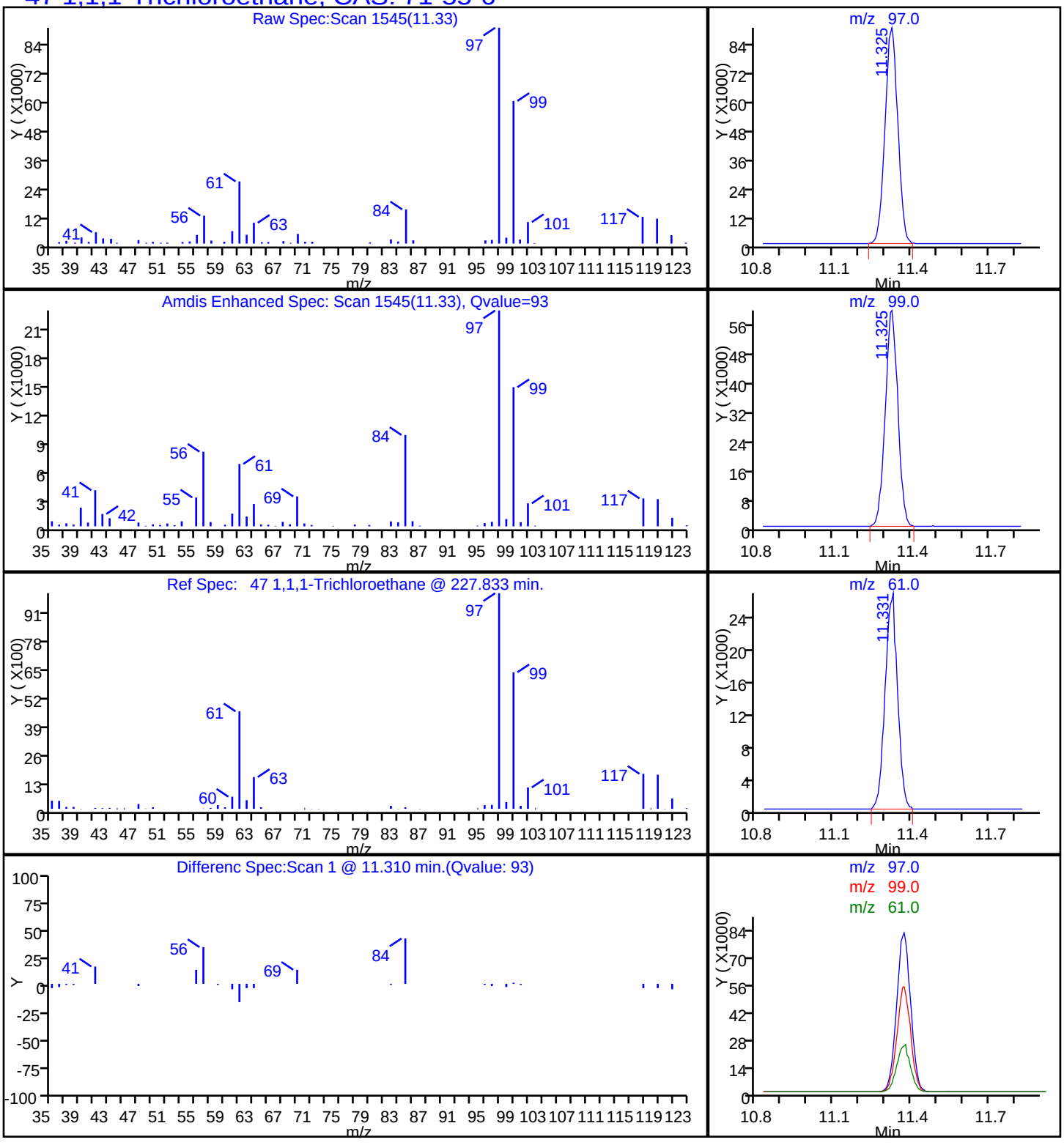
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



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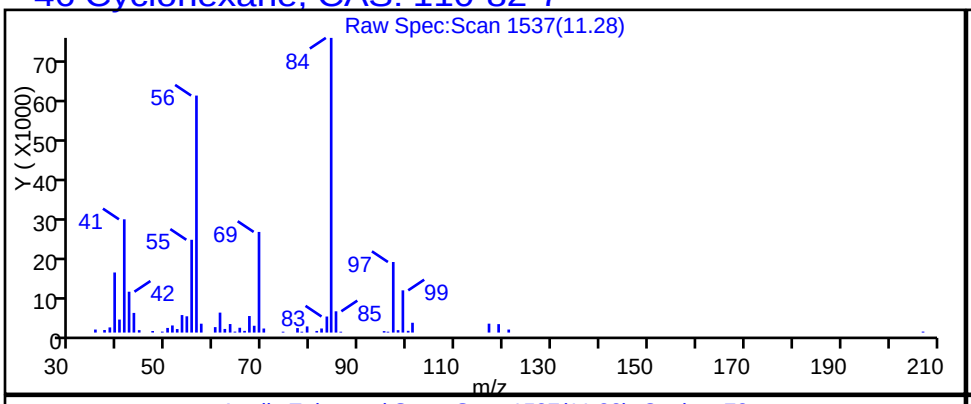
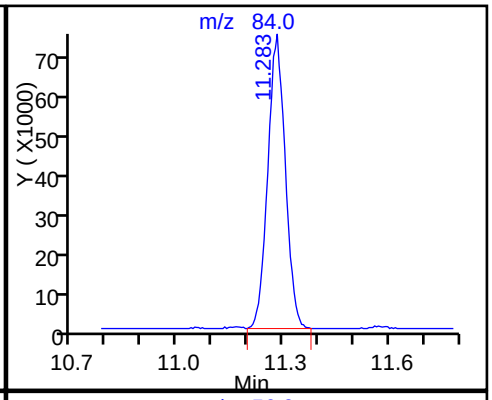
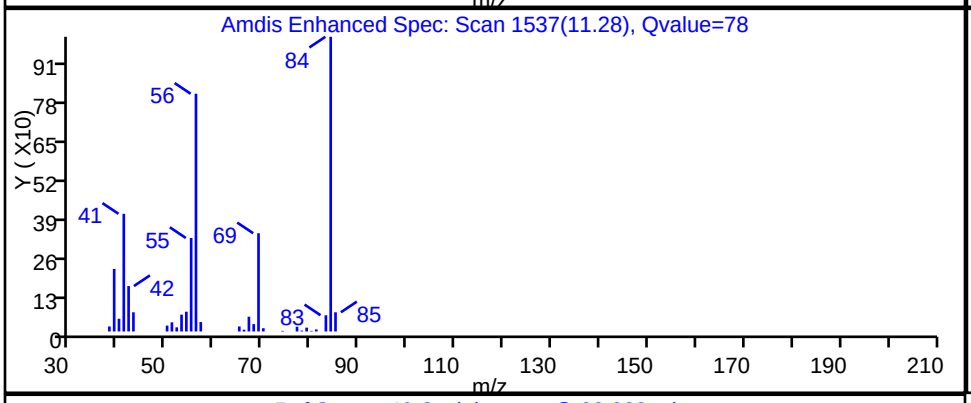
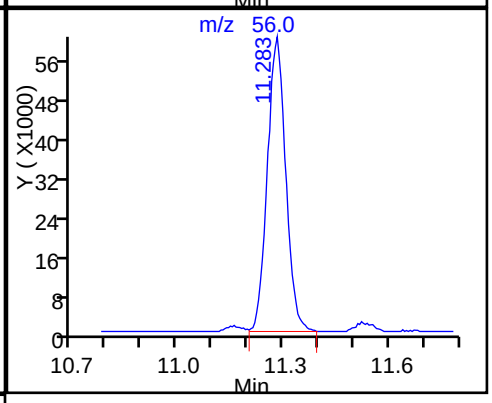
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

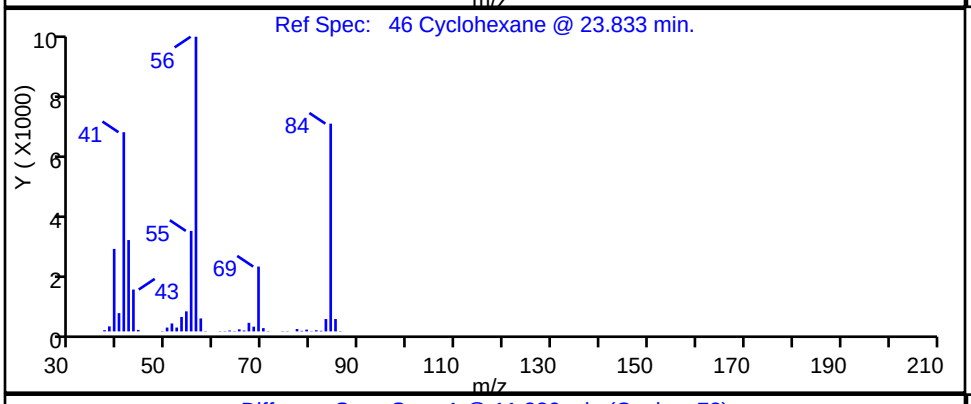
46 Cyclohexane, CAS: 110-82-7

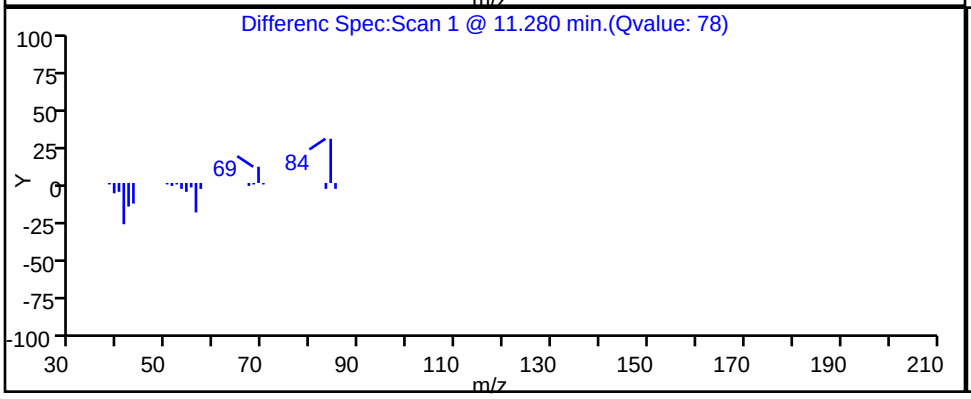


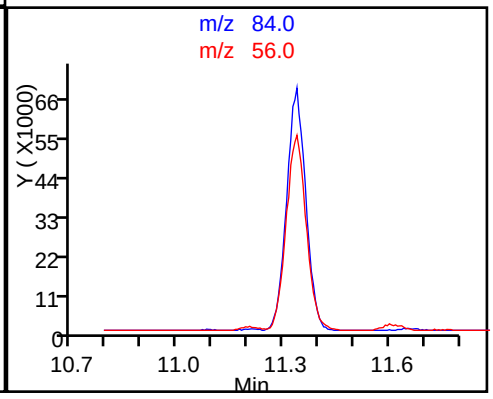












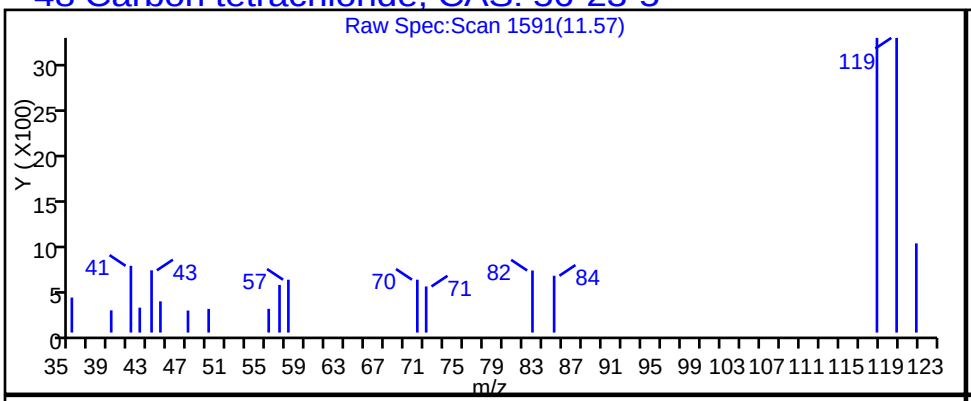
Report Date: 11-Apr-2014 10:57:19 Chrom Revision: 2.2 10-Apr-2014 15:11:30

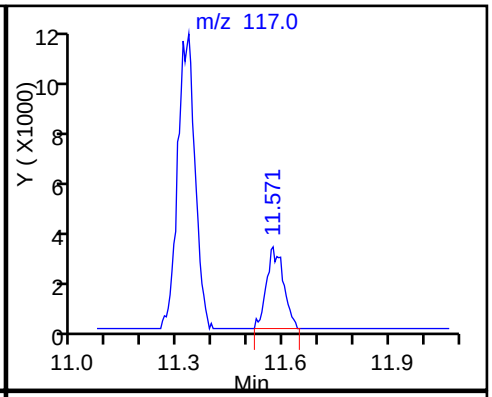
TestAmerica Burlington

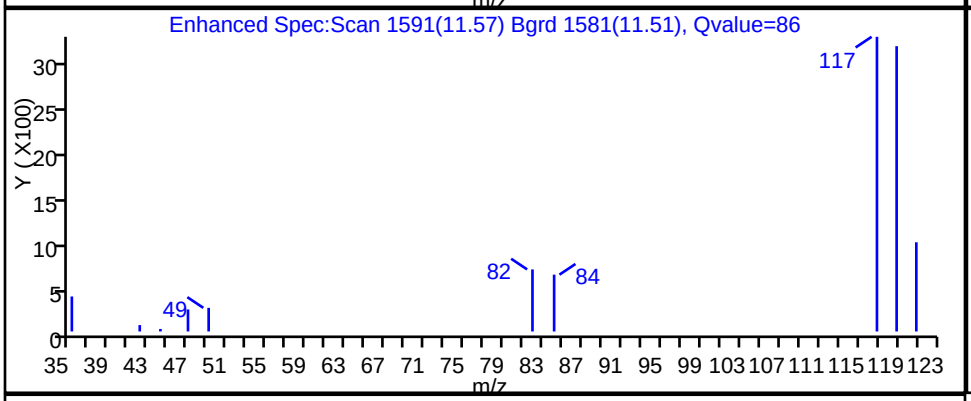
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

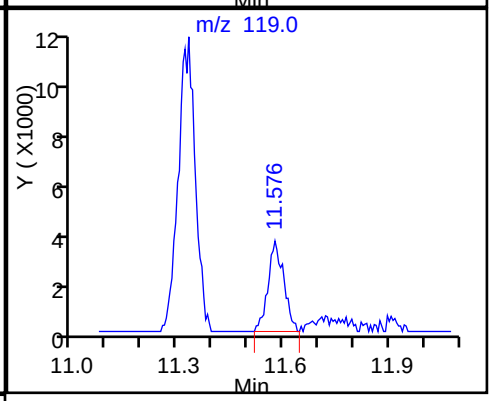
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

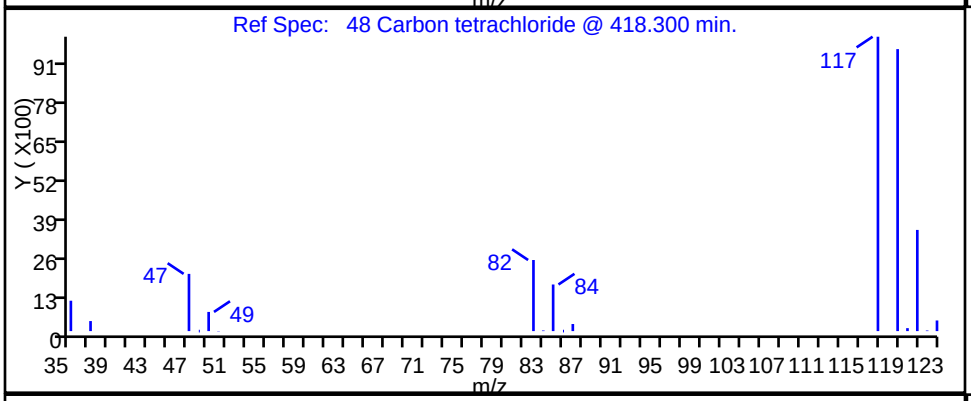
48 Carbon tetrachloride, CAS: 56-23-5

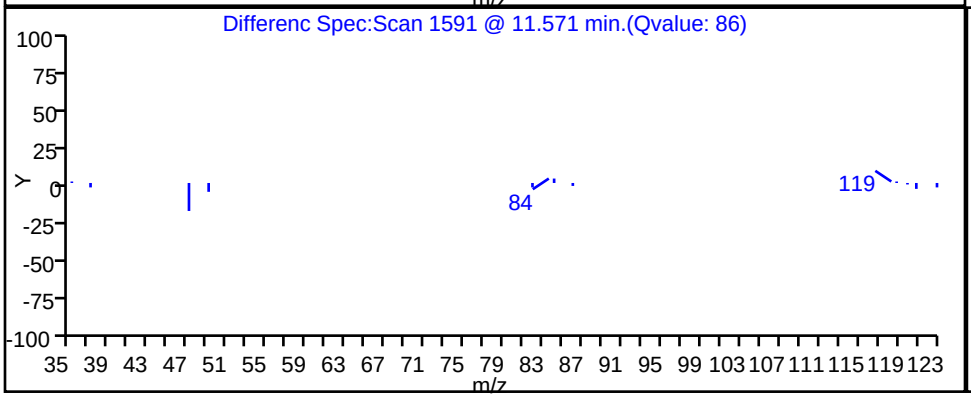


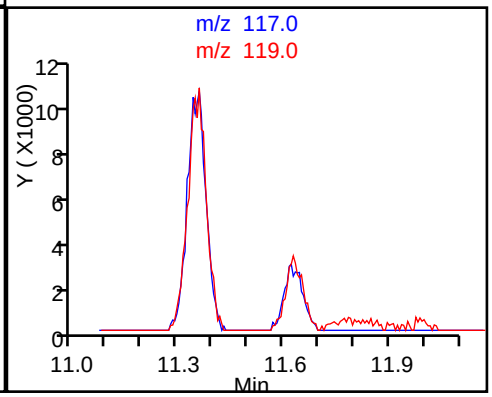












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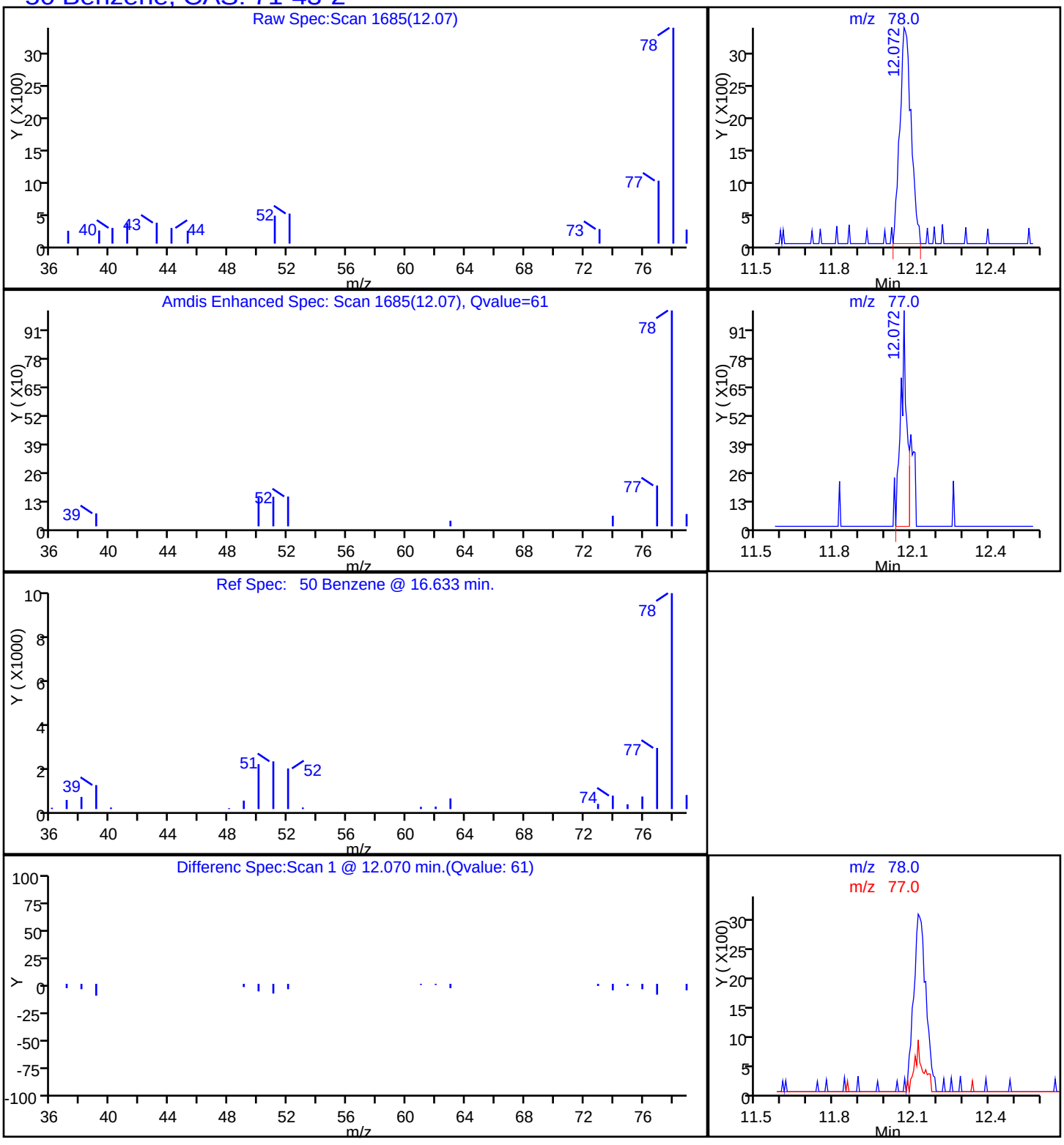
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D				
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



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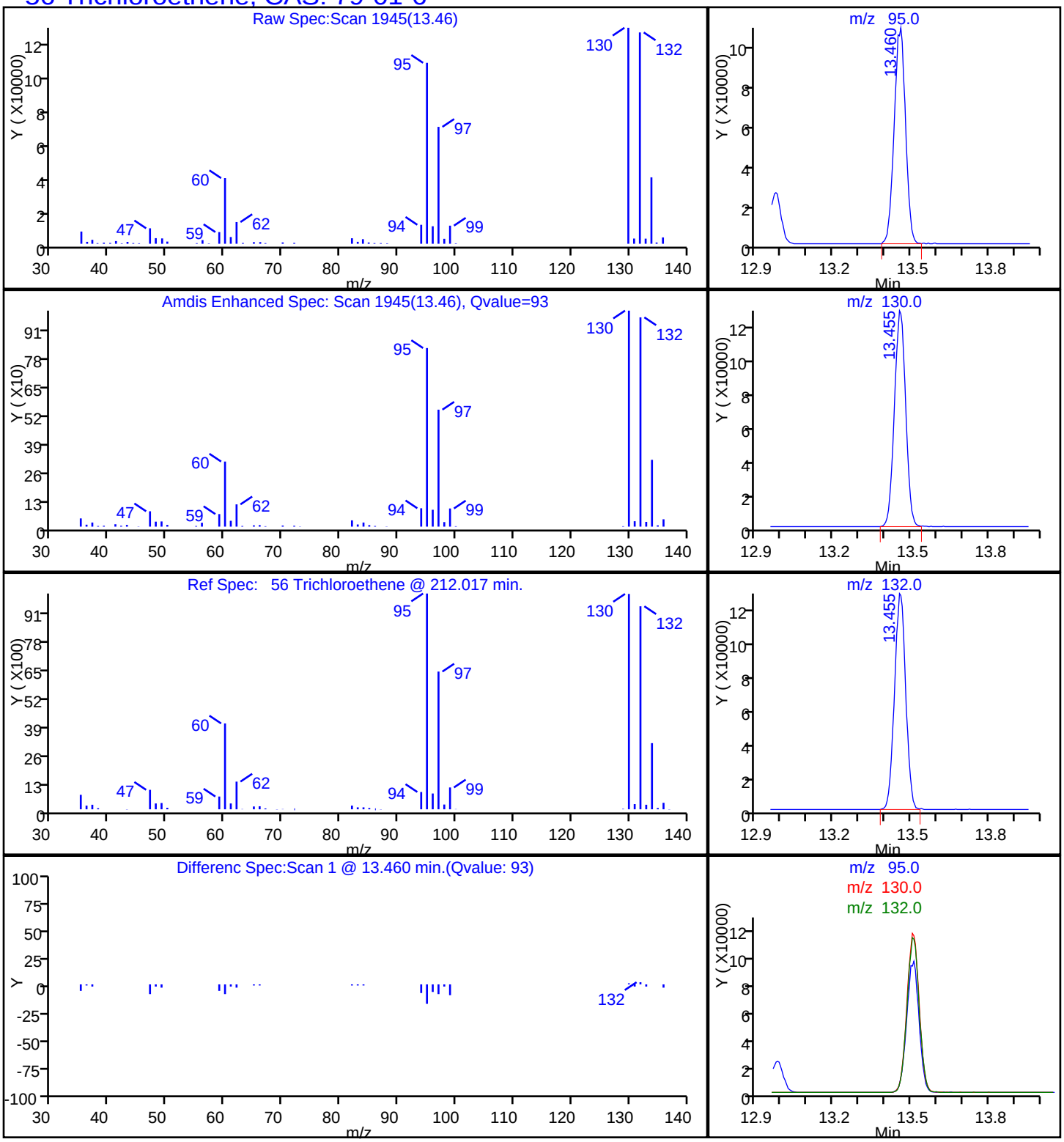
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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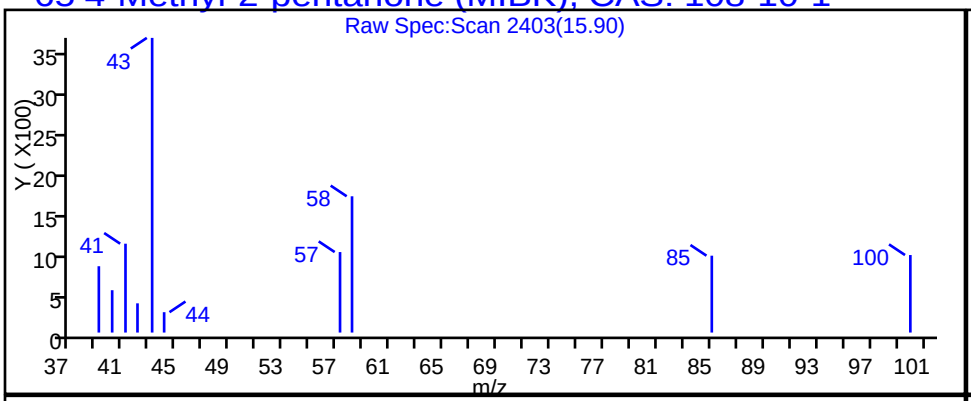
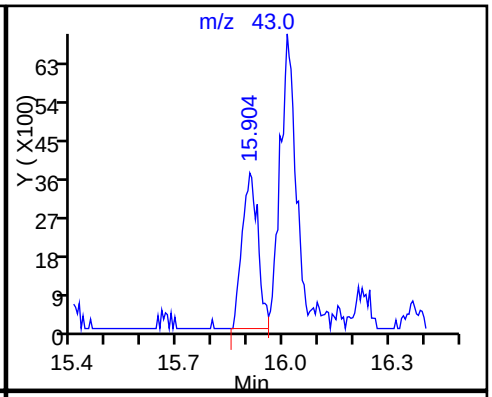
TestAmerica Burlington

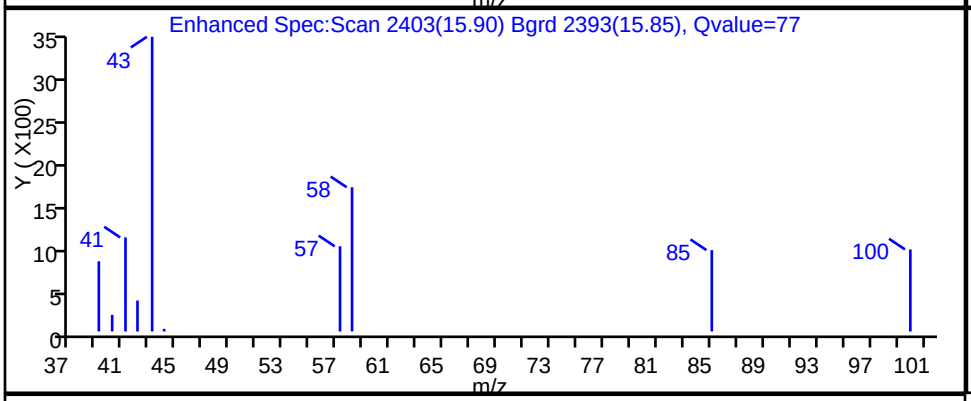
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

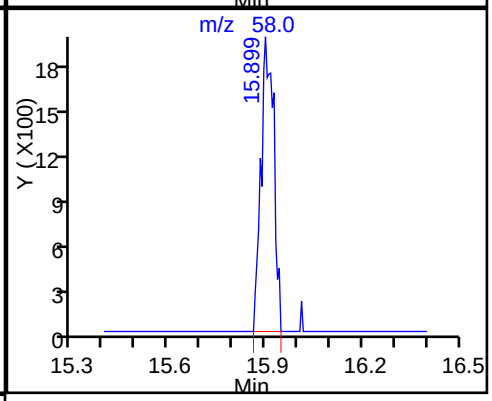
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

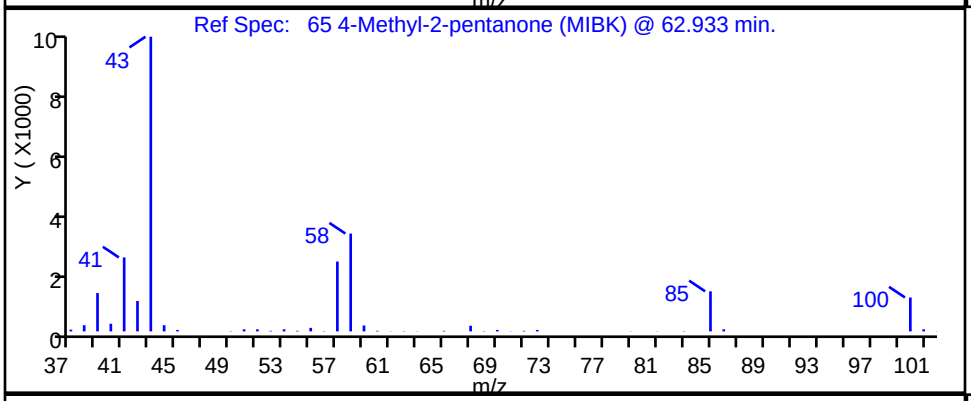
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

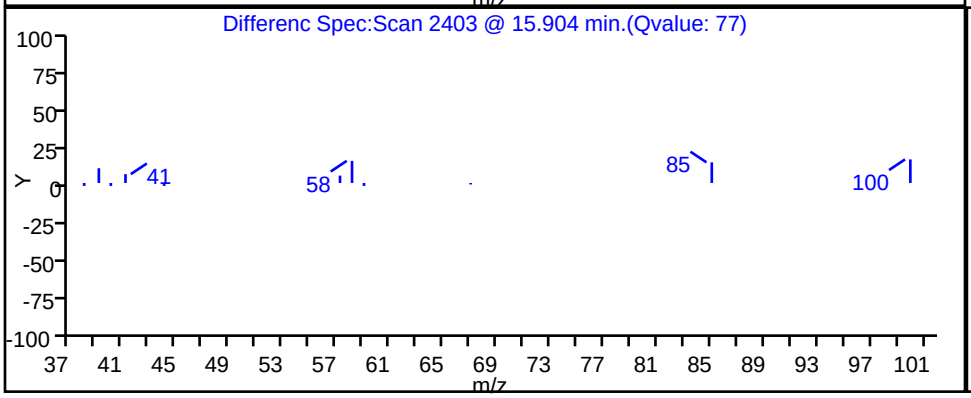


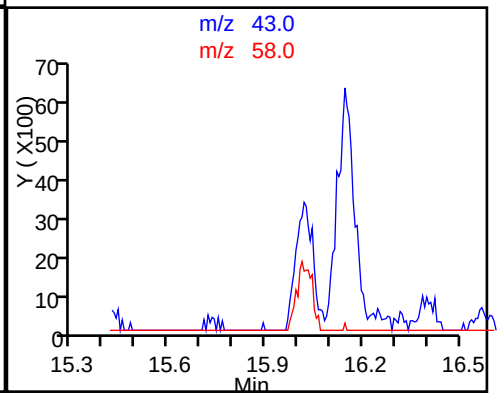












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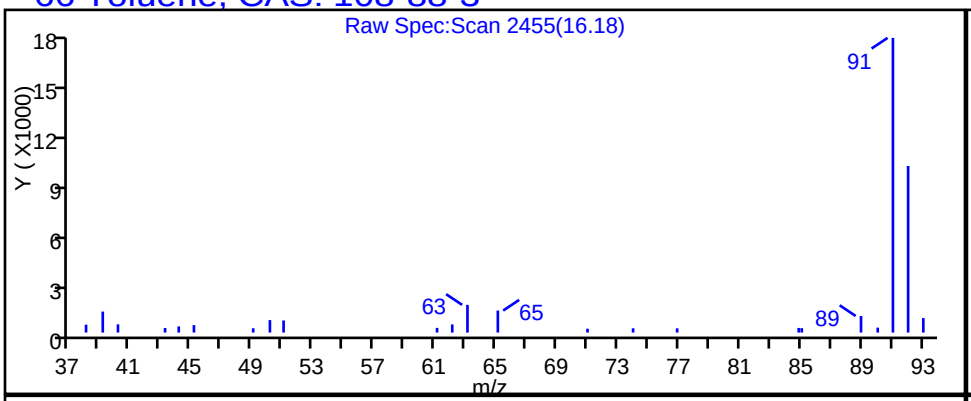
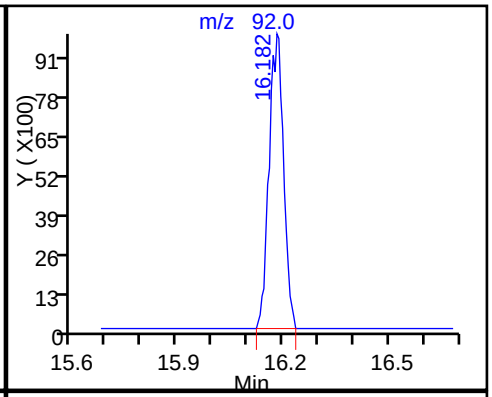
TestAmerica Burlington

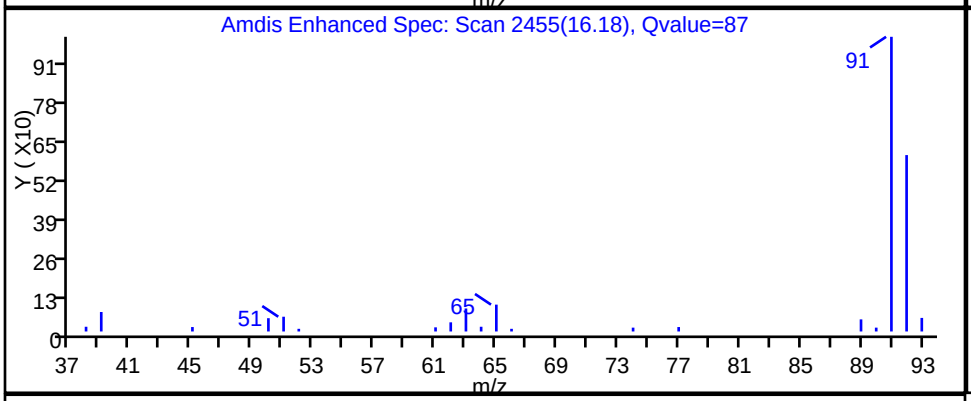
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

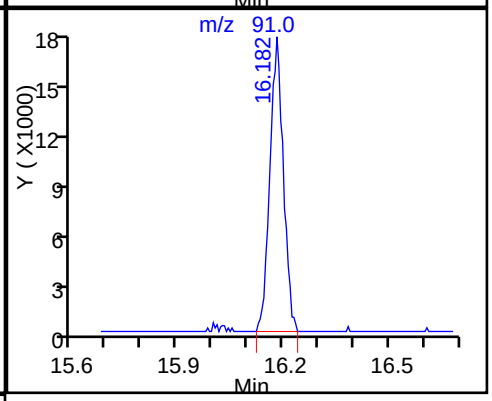
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

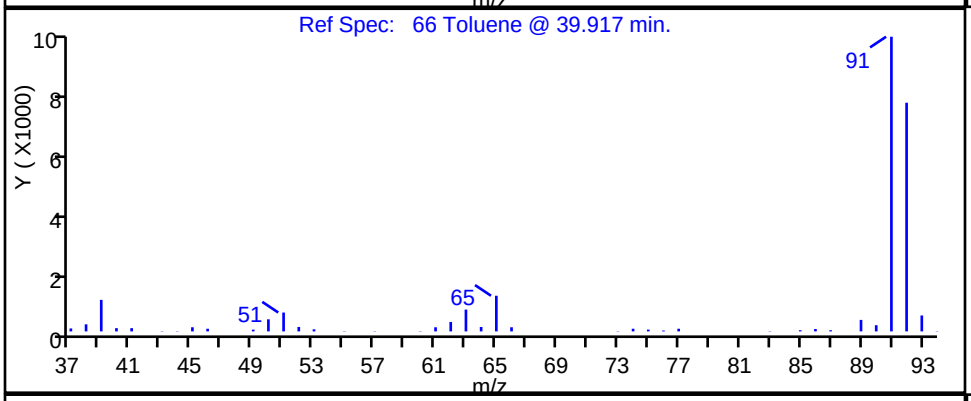
66 Toluene, CAS: 108-88-3

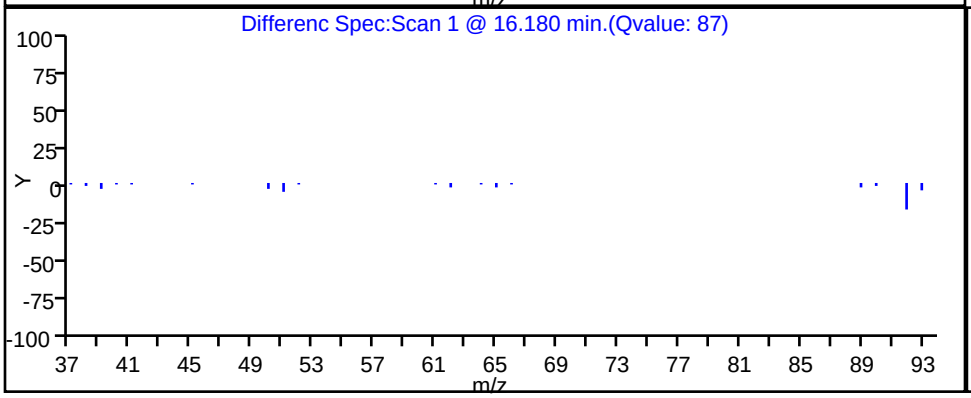


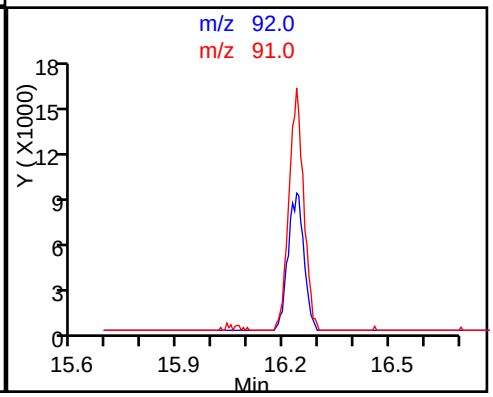












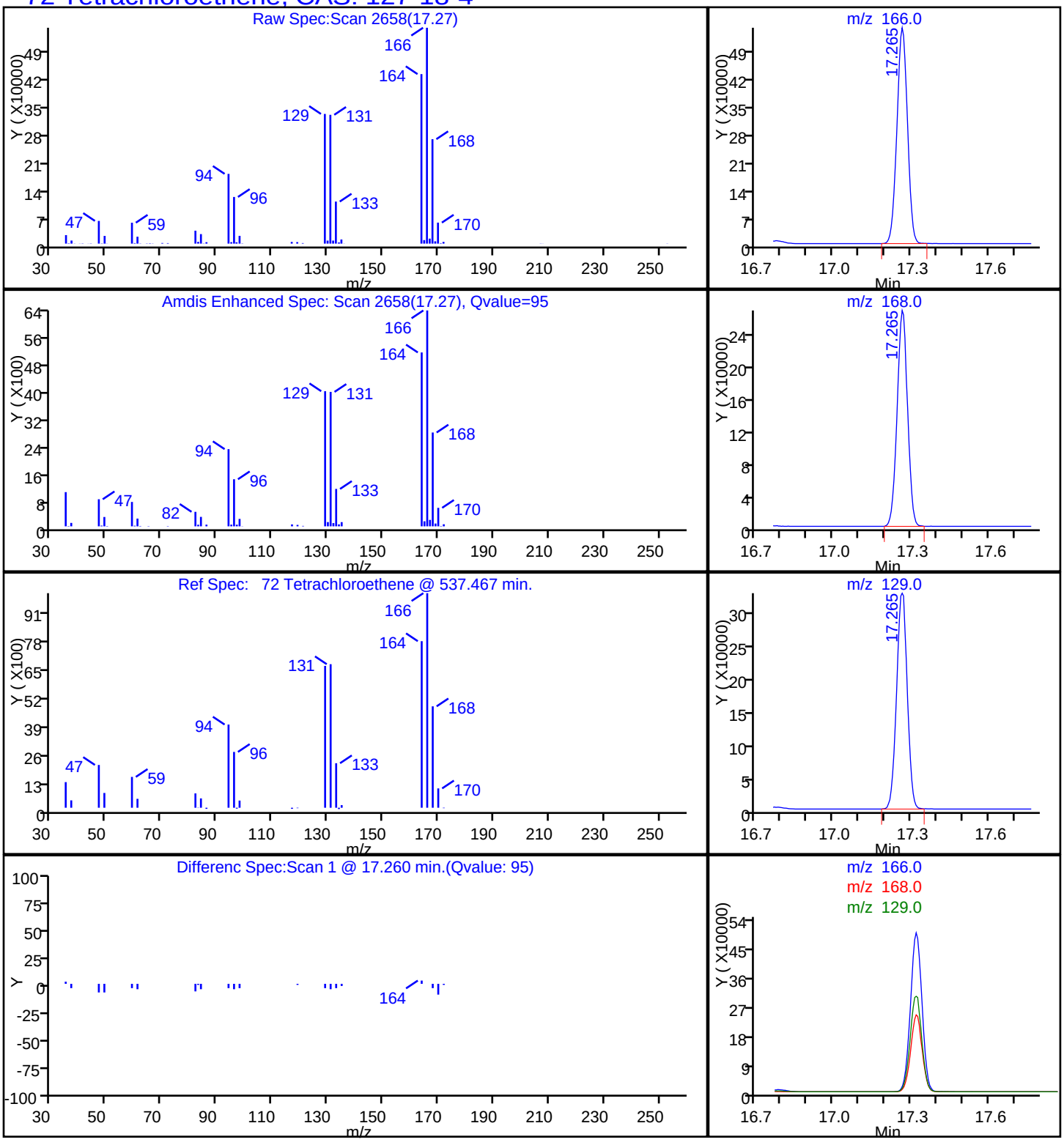
Report Date: 11-Apr-2014 10:57:19 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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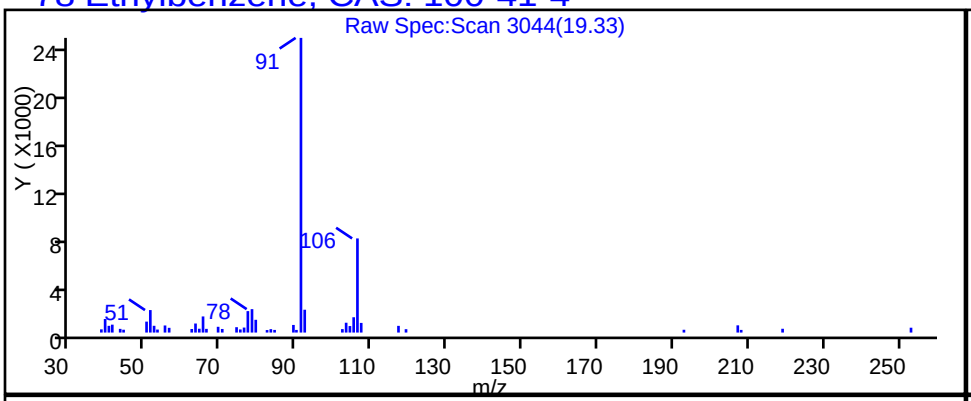
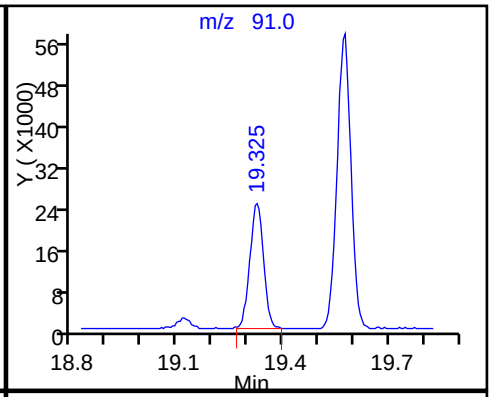
TestAmerica Burlington

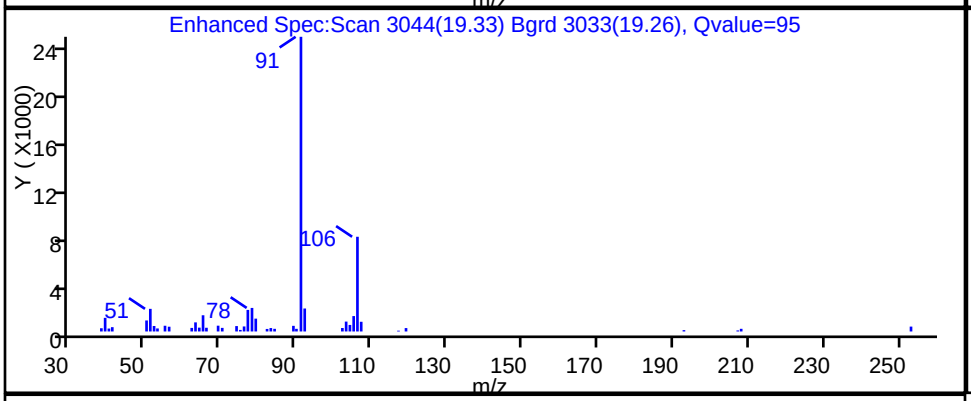
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

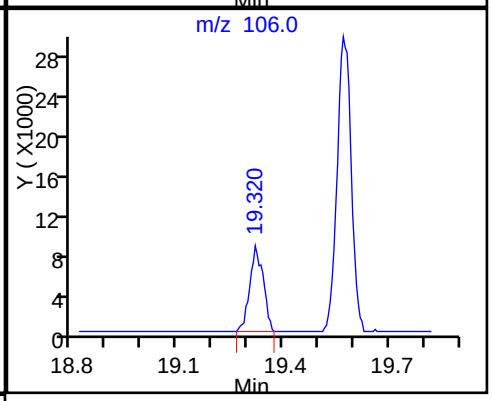
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

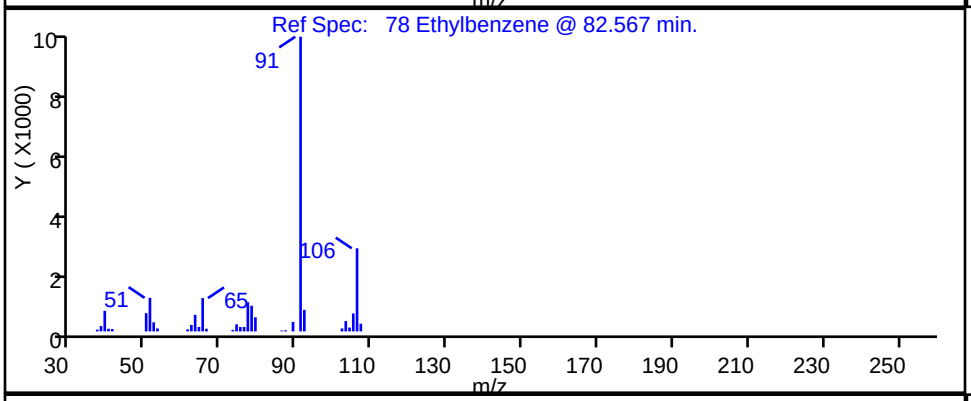
78 Ethylbenzene, CAS: 100-41-4

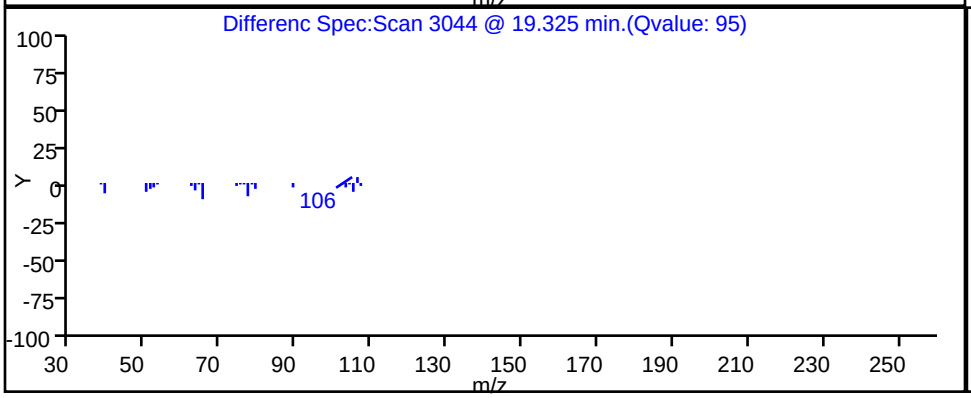


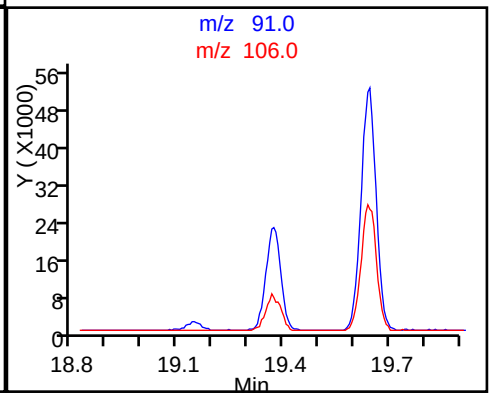










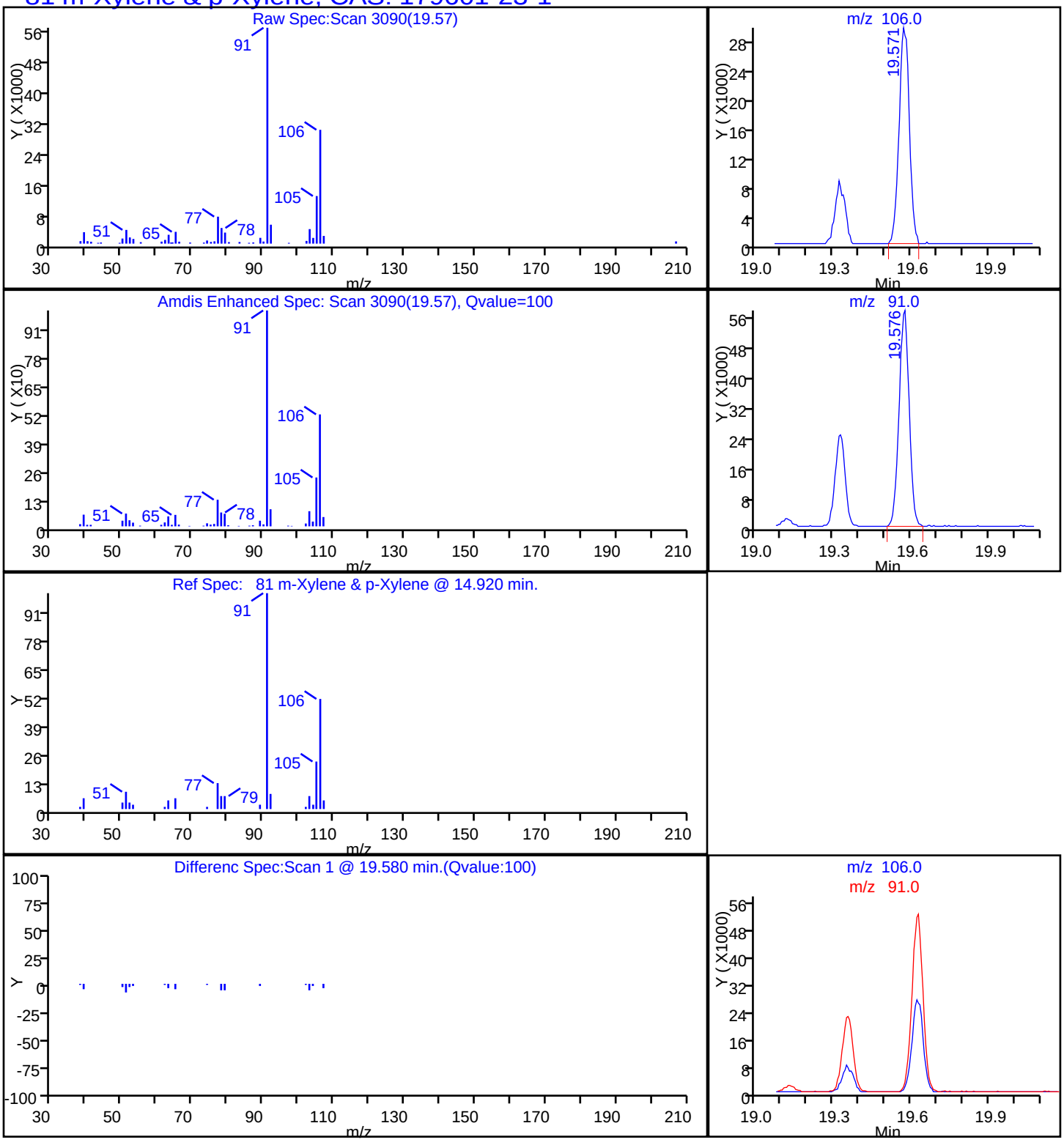


Report Date: 11-Apr-2014 10:57:19 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D				
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



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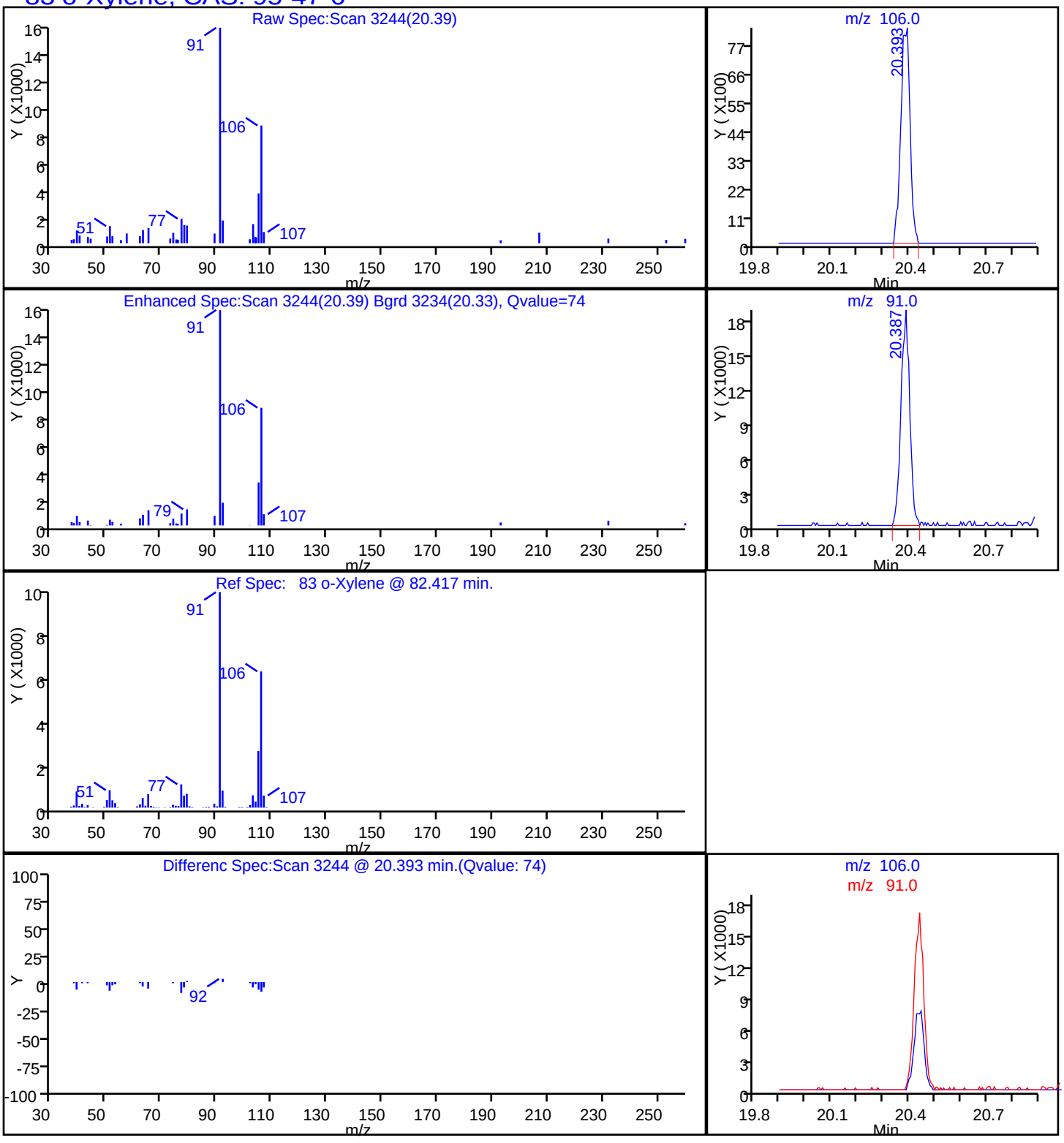
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



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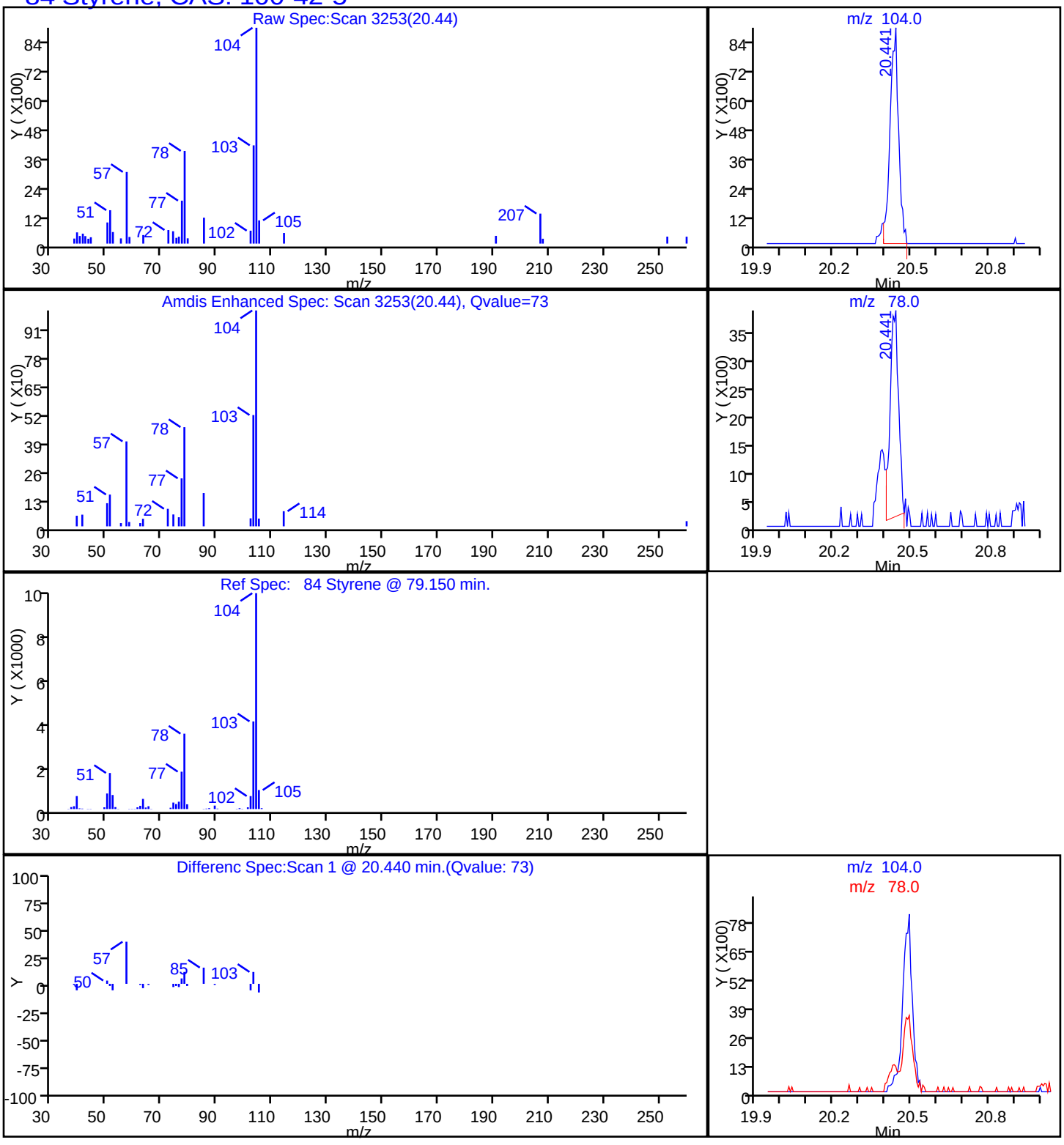
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5



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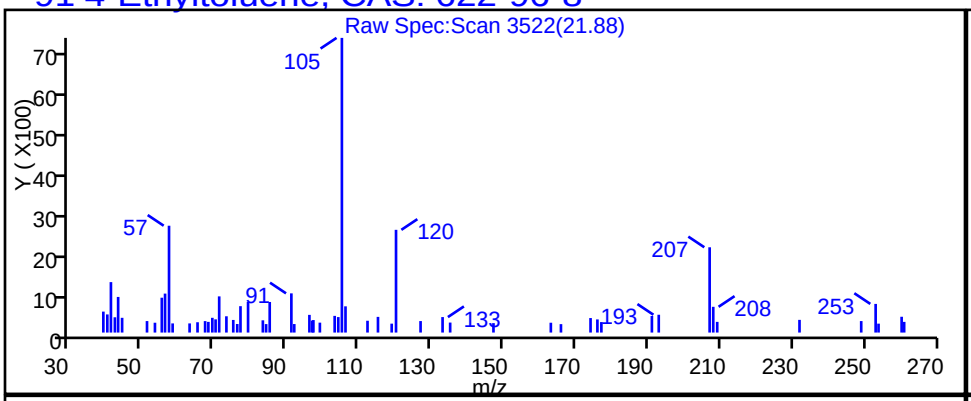
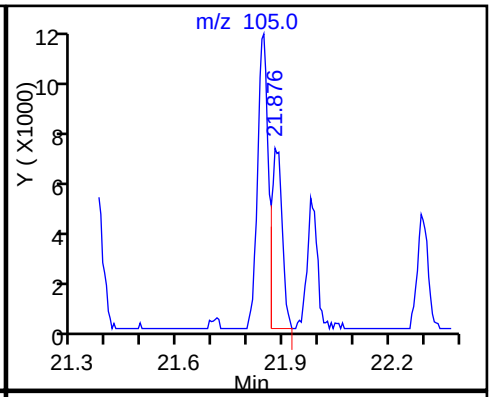
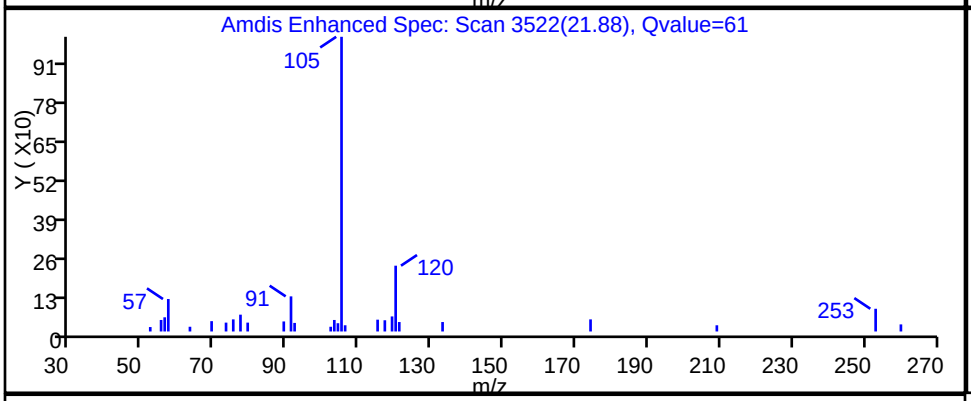
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

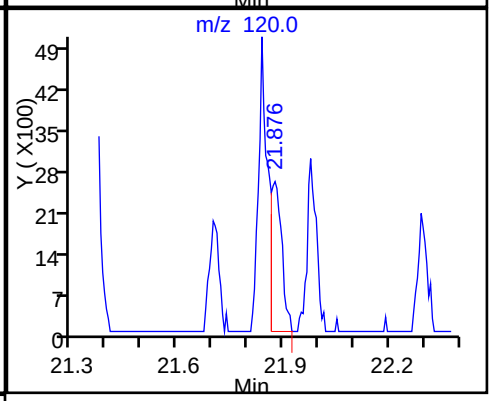
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

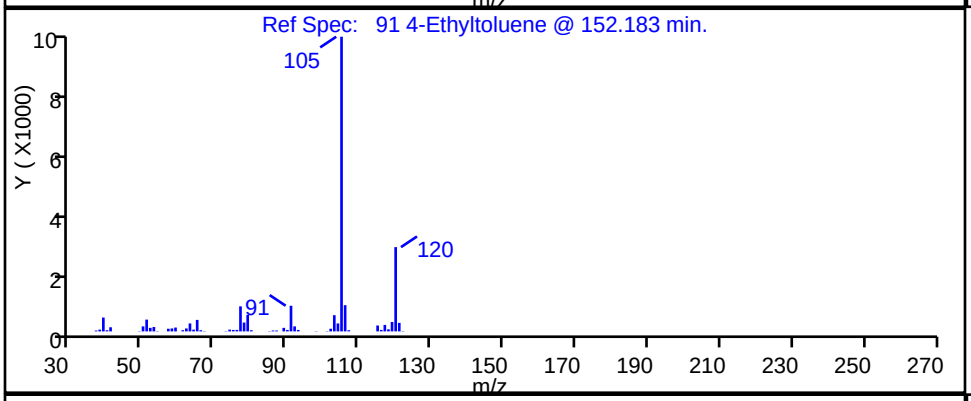
91 4-Ethyltoluene, CAS: 622-96-8

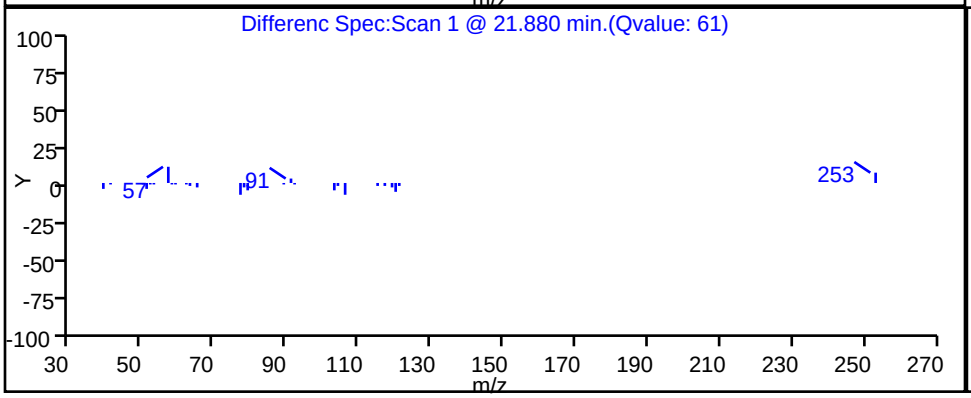


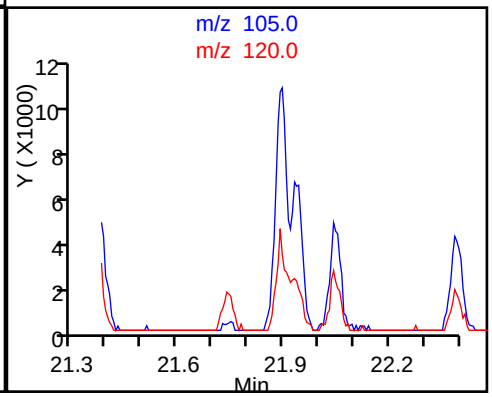












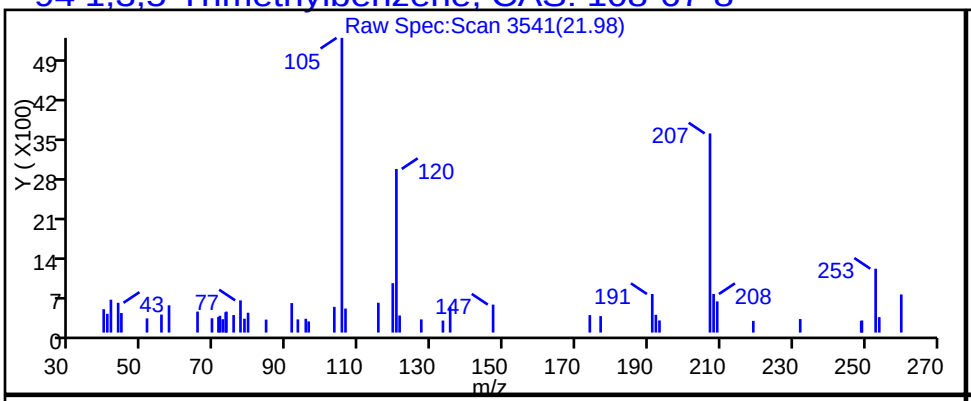
Report Date: 11-Apr-2014 10:57:19 Chrom Revision: 2.2 10-Apr-2014 15:11:30

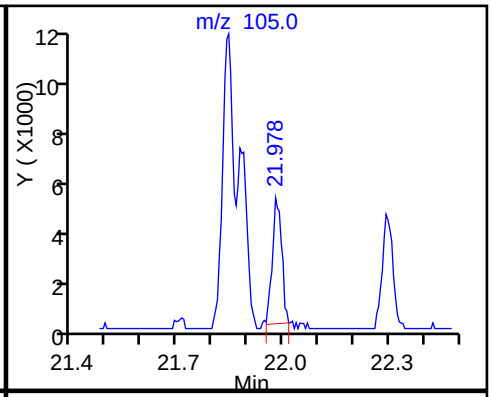
TestAmerica Burlington

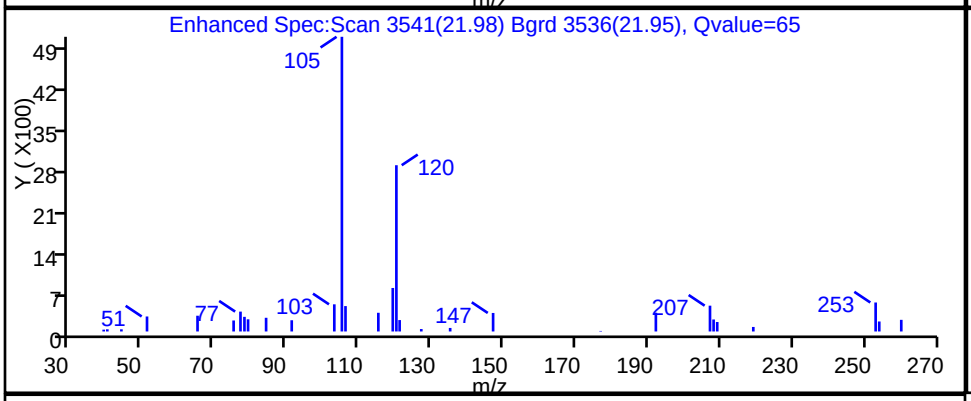
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

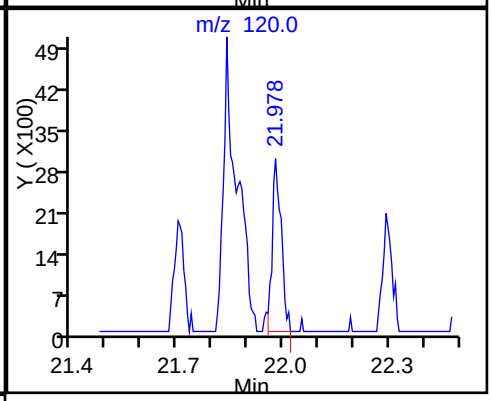
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

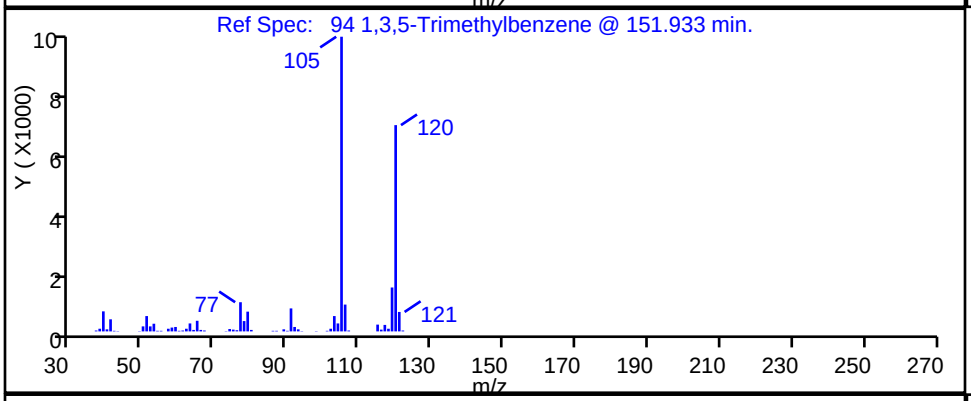
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

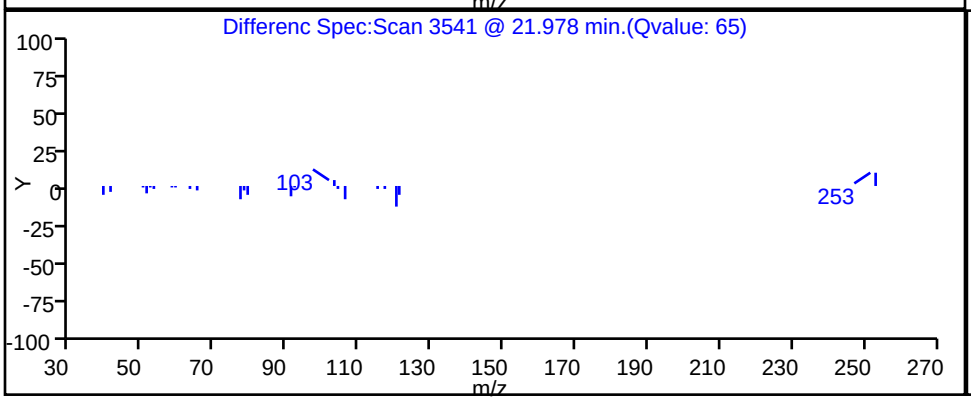


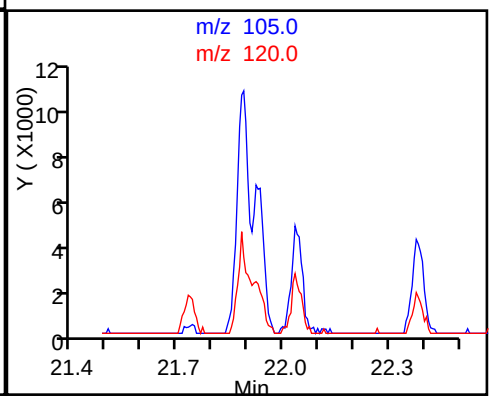












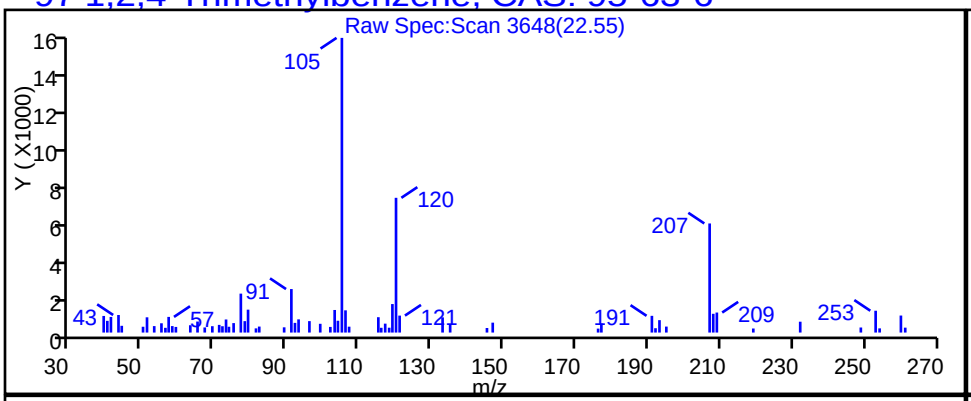
Report Date: 11-Apr-2014 10:57:19 Chrom Revision: 2.2 10-Apr-2014 15:11:30

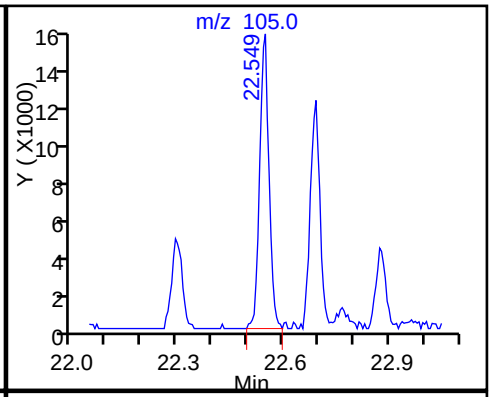
TestAmerica Burlington

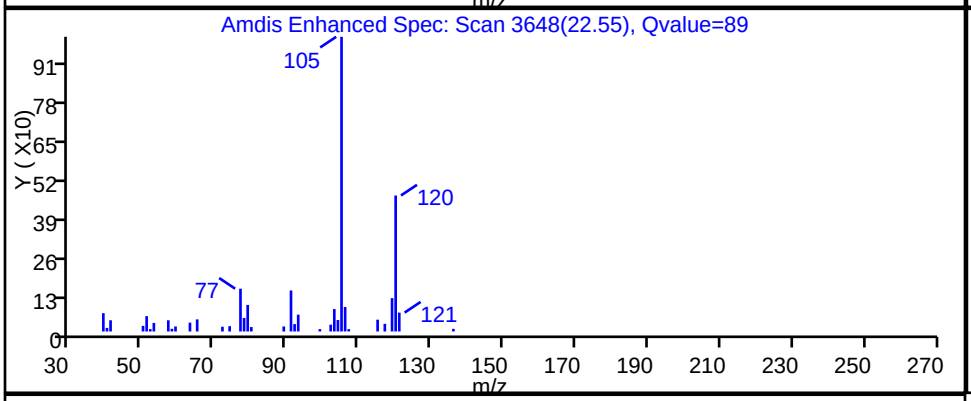
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D

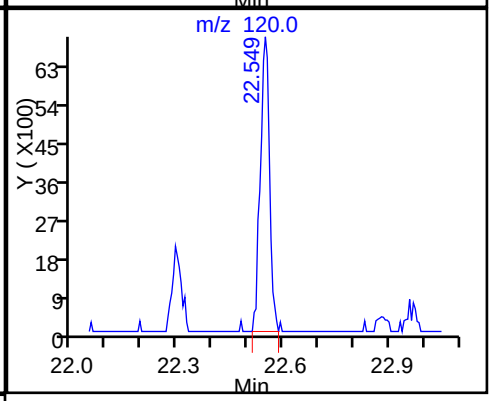
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

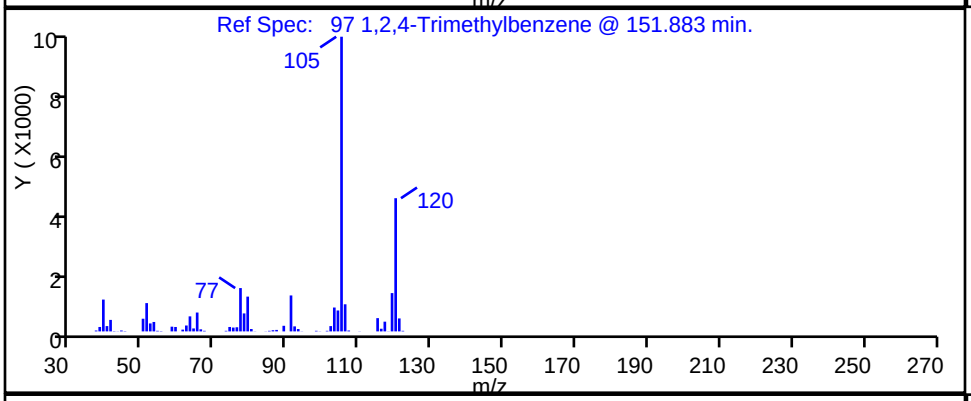
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

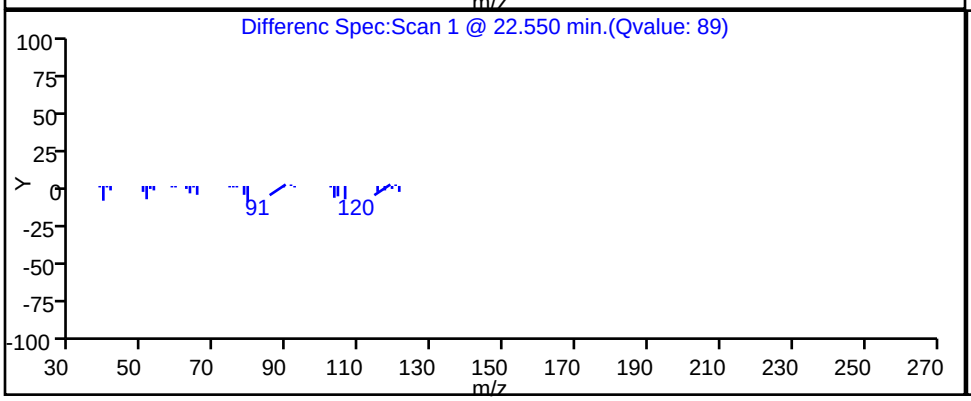


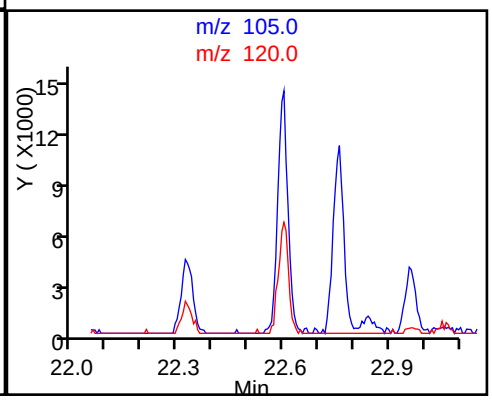












Manual Integration/User Assign Peak Report

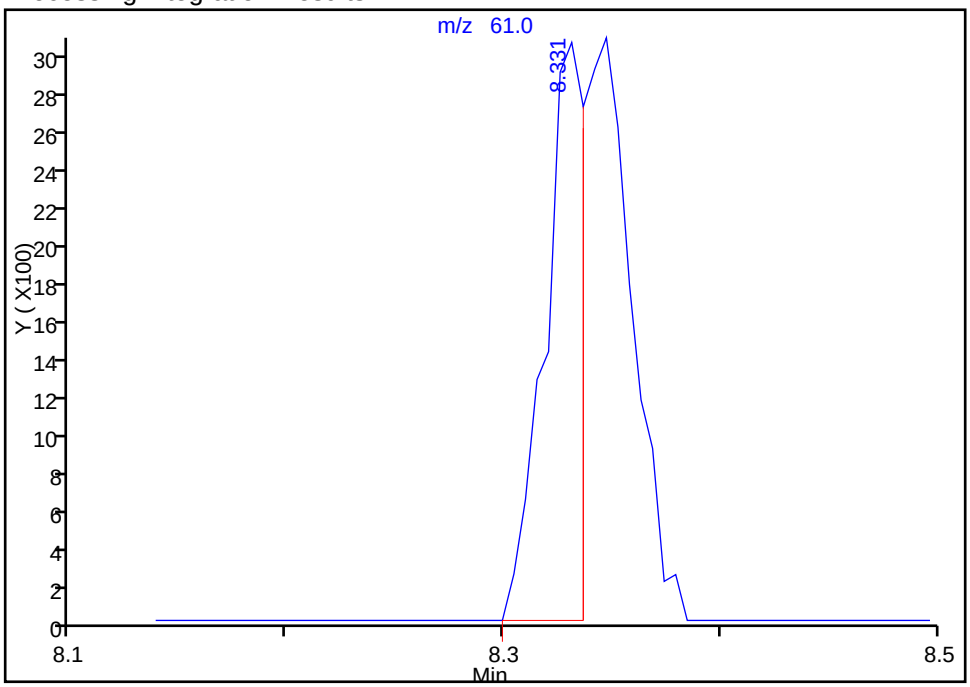
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D				
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5

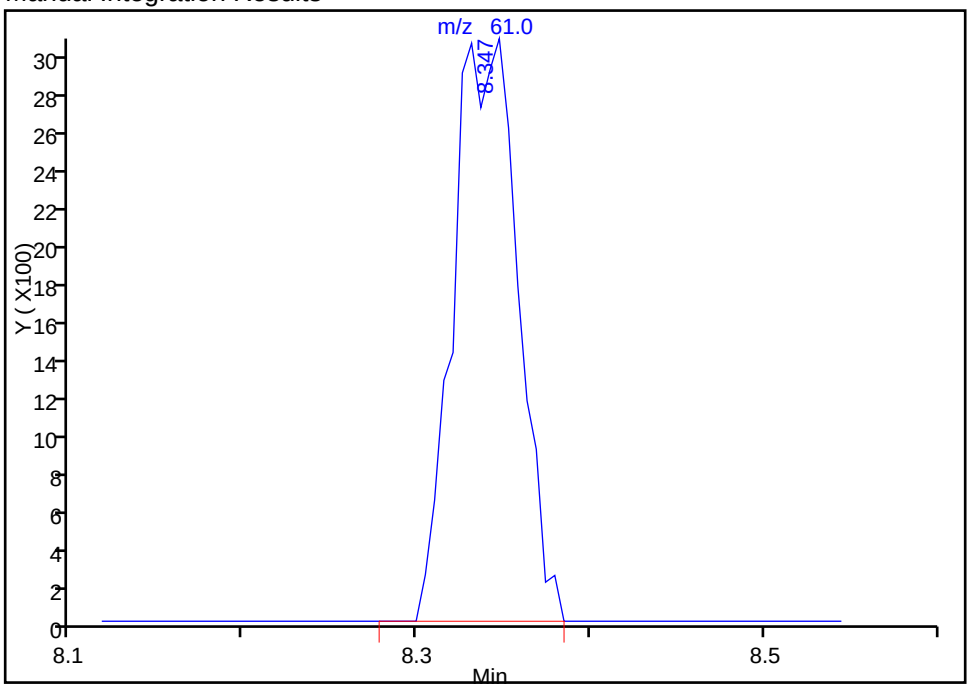
Processing Integration Results

RT: 8.33
Response: 3933
Amount: 0.087589



Manual Integration Results

RT: 8.35
Response: 8077
Amount: 0.179877



Reviewer: desjardinsb, 11-Apr-2014 10:57:18
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

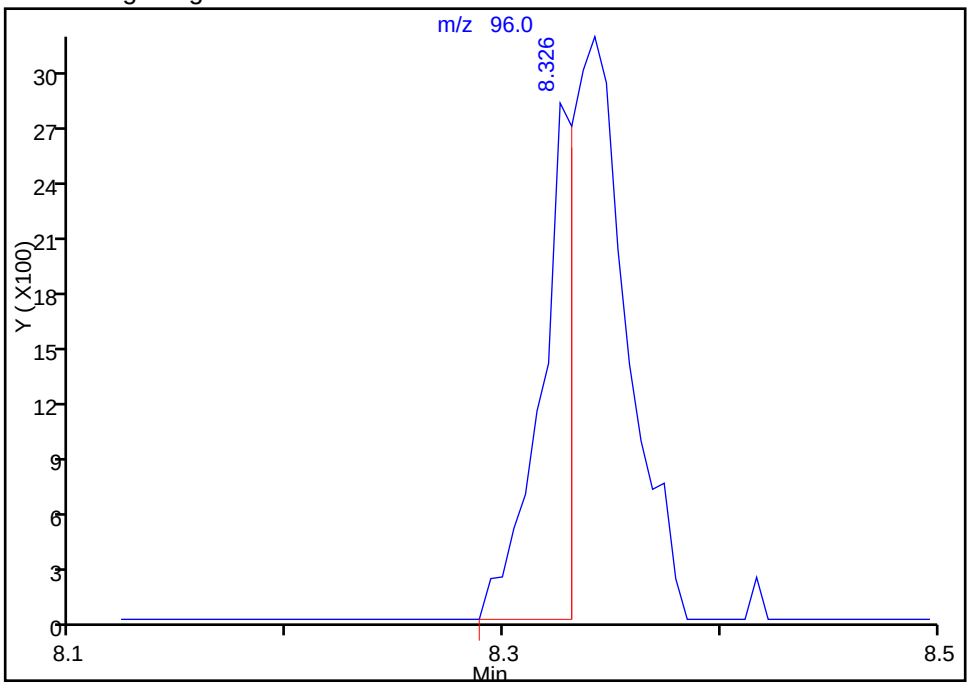
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_13.D				
Injection Date:	10-Apr-2014 23:49:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-6	Lab Sample ID:	200-21727-6		
Client ID:	SDS-2				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5

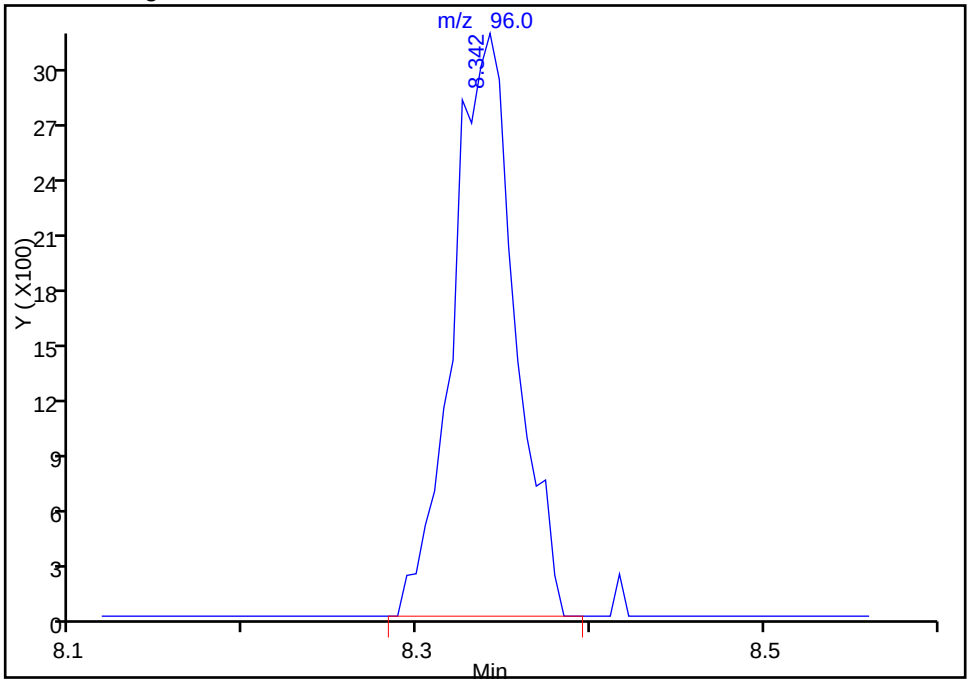
Processing Integration Results

RT: 8.33
Response: 3079
Amount: 0.087589



Manual Integration Results

RT: 8.34
Response: 7902
Amount: 0.179877



Reviewer: desjardinsb, 11-Apr-2014 10:57:18
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-4 Lab Sample ID: 200-21727-7

Matrix: Air Lab File ID: 6977_14.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:05

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 00:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.48	J	0.50	0.030
75-45-6	Freon 22	86.47	0.31	J	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.43	J	0.50	0.14
106-97-8	n-Butane	58.12	0.51		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.12	J	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.24		0.20	0.030
76-13-1	Freon 113	187.38	0.12	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	26		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	55	E	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.087	J	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	5.3		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.40		0.20	0.029
110-54-3	Hexane	86.17	0.19	J	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.80		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.35		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.75		0.20	0.064
67-66-3	Chloroform	119.38	0.071	J	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	0.31	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	3.4		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.066		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.12	J	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.22		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-4 Lab Sample ID: 200-21727-7

Matrix: Air Lab File ID: 6977_14.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:05

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 00:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.9		0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.14	J	0.50	0.027
108-88-3	Toluene	92.14	0.47		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	20		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.37		0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.79		0.50	0.023
95-47-6	Xylene, o-	106.17	0.61		0.20	0.016
1330-20-7	Xylene (total)	106.17	1.4		0.20	0.034
100-42-5	Styrene	104.15	0.13	J	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.097	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.32		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.19	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.77		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-4 Lab Sample ID: 200-21727-7

Matrix: Air Lab File ID: 6977_14.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:05

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 00:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-4 Lab Sample ID: 200-21727-7

Matrix: Air Lab File ID: 6977_14.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:05

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 00:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.4	J	2.5	0.15
75-45-6	Freon 22	86.47	1.1	J	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	0.89	J	1.0	0.28
106-97-8	n-Butane	58.12	1.2		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.26	J	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.3		1.1	0.17
76-13-1	Freon 113	187.38	0.88	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	61		12	3.0
67-63-0	Isopropyl alcohol	60.10	140	E	12	0.53
75-15-0	Carbon disulfide	76.14	0.27	J	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	18		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	1.6		0.79	0.11
110-54-3	Hexane	86.17	0.69	J	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	2.3		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	1.4		0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	3.0		0.79	0.25
67-66-3	Chloroform	119.38	0.35	J	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.92	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	12		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.41		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.37	J	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.90		0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-4 Lab Sample ID: 200-21727-7

Matrix: Air Lab File ID: 6977_14.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:05

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 00:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	10		0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.58	J	2.0	0.11
108-88-3	Toluene	92.14	1.8		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	140		1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	1.6		0.87	0.056
179601-23-1	m,p-Xylene	106.17	3.4		2.2	0.10
95-47-6	Xylene, o-	106.17	2.7		0.87	0.069
1330-20-7	Xylene (total)	106.17	6.1		0.87	0.15
100-42-5	Styrene	104.15	0.56	J	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.48	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	1.6		0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.94	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	4.2		1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-4 Lab Sample ID: 200-21727-7

Matrix: Air Lab File ID: 6977_14.D

Analysis Method: TO-15 Date Collected: 04/04/2014 14:05

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 00:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D
Lims ID: 200-21727-A-7 Lab Sample ID: 200-21727-7
Client ID: SDS-4
Sample Type: Client
Inject. Date: 11-Apr-2014 00:42:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006977-014
Misc. Info.: 21727-7
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 11:00:12 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 11:00:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.261	3.256	0.005	83	61499	0.4810	
6 Chlorodifluoromethane	51	3.320	3.315	0.005	58	13339	0.3104	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50	3.704	3.699	0.005	93	9145	0.4326	
9 Butane	43	3.918	3.912	0.006	88	17333	0.5133	
10 Vinyl chloride	62		3.966					
11 Butadiene	54	4.051	4.051	0.000	69	2508	0.1197	
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.049					
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101	5.572	5.567	0.005	86	37733	0.2382	
23 1,1,2-Trichloro-1,2,2-trif	101	6.709	6.714	-0.005	71	11010	0.1152	
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43	7.034	7.034	0.000	88	948166	25.7	
26 Carbon disulfide	76	7.147	7.141	0.006	84	7899	0.0869	
27 Isopropyl alcohol	45	7.376	7.355	0.021	98	1496342	55.3	E
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.894	7.894	0.000	76	141017	5.30	
32 2-Methyl-2-propanol	59		8.155					
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61	8.347	8.342	0.005	74	17926	0.4043	
36 Hexane	57	8.737	8.732	0.005	64	8230	0.1948	
37 1,1-Dichloroethane	63		9.260					
S 41 1,2-Dichloroethene, Total	61				0		0.7563	
39 cis-1,2-Dichloroethene	96	10.423	10.418	0.005	77	19746	0.3520	
40 2-Butanone (MEK)	72	10.509	10.498	0.011	94	16661	0.7954	
* 43 Chlorobromomethane	128	10.909	10.909	0.000	66	496252	10.0	
44 Tetrahydrofuran	42	10.946	10.925	0.021	81	8257	0.3120	
45 Chloroform	83	11.053	11.048	0.005	61	8296	0.0712	M
46 Cyclohexane	84	11.283	11.283	0.000	78	234768	3.45	
47 1,1,1-Trichloroethane	97	11.320	11.325	-0.005	1	1902	0.0130	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.582	11.581	0.001	77	11736	0.0659	
51 Isooctane	57		12.035					
50 Benzene	78	12.083	12.083	0.000	85	18235	0.1169	
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43	12.457	12.451	0.006	76	13322	0.2194	
* 54 1,4-Difluorobenzene	114	12.974	12.980	-0.006	91	2629186	10.0	
56 Trichloroethene	95	13.460	13.460	0.000	88	182547	1.91	
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69		14.234					
60 1,4-Dioxane	88		14.303					
62 Dichlorobromomethane	83		14.629					
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43	15.910	15.894	0.016	46	12343	0.1414	
66 Toluene	92	16.182	16.182	0.000	91	72111	0.4720	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166	17.265	17.265	0.000	94	3984864	20.2	
73 2-Hexanone	43	17.644	17.639	0.005	65	15140	0.1749	
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	80	2681259	10.0	
77 Chlorobenzene	112		19.181					
78 Ethylbenzene	91	19.325	19.325	0.000	95	133678	0.3708	
81 m-Xylene & p-Xylene	106	19.571	19.576	-0.005	98	122812	0.7895	
S 82 Xylenes, Total	106				0		1.40	
83 o-Xylene	106	20.387	20.387	0.000	92	93081	0.6122	
84 Styrene	104	20.435	20.435	0.000	20	30875	0.1313	
85 Bromoform	173		20.836					
$ 87 4-Bromofluorobenzene	95	21.375	21.375	0.000	95	1813058	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91		21.706					
91 4-Ethyltoluene	105	21.882	21.882	0.000	75	43928	0.0968	
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105	21.983	21.983	0.000	94	127513	0.3175	
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105	22.549	22.549	0.000	95	78427	0.1917	
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119	22.965	22.965	0.000	90	402921	0.7726	
100 1,3-Dichlorobenzene	146	23.002	23.008	-0.006	4	3372	0.0100	
101 1,4-Dichlorobenzene	146		23.141					
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
105 1,2-Dichlorobenzene	146		23.696					
107 1,2,4-Trichlorobenzene	180		26.322					
108 Hexachlorobutadiene	225		26.509					
109 Naphthalene	128		26.850					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

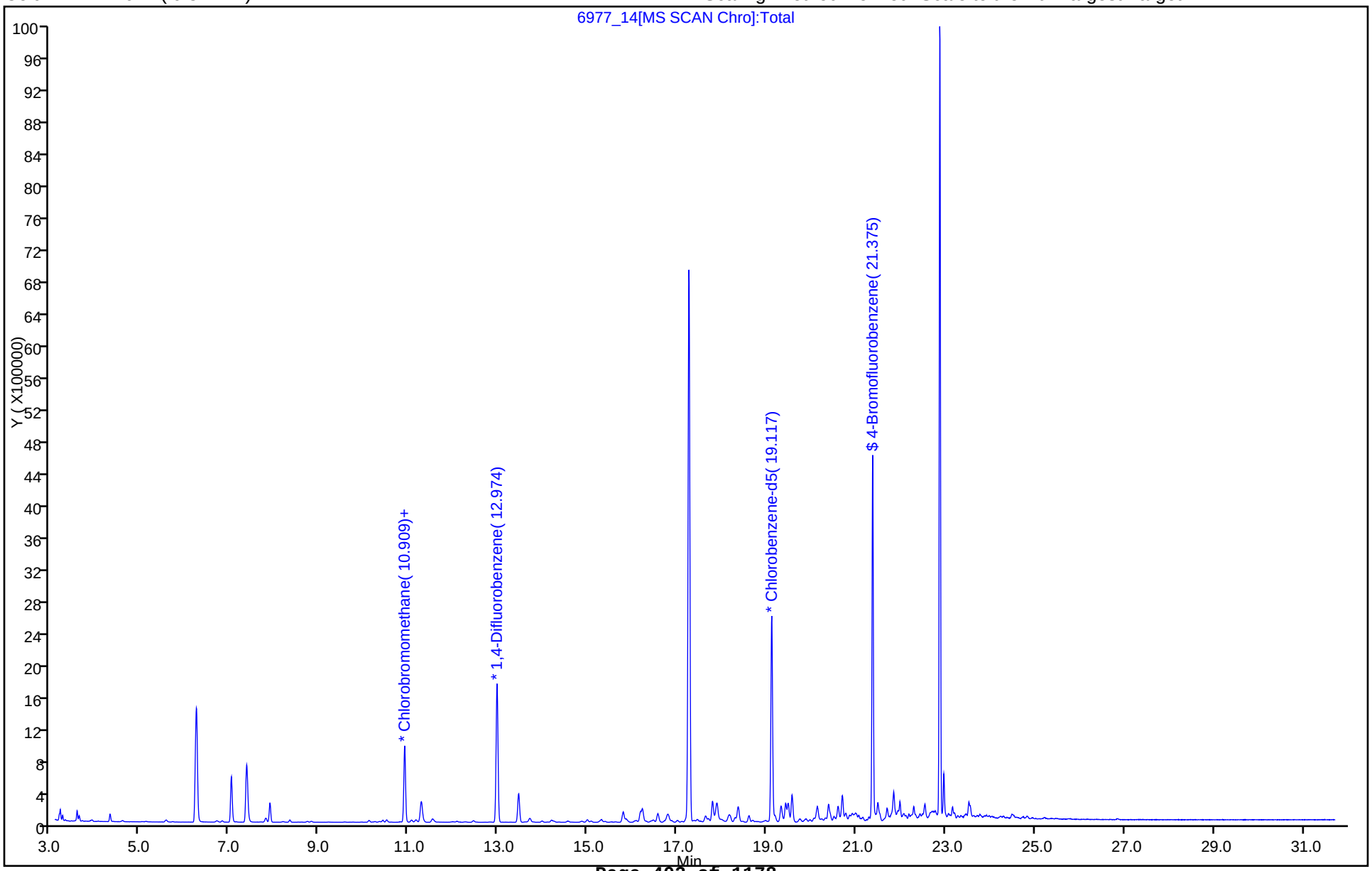
Report Date: 11-Apr-2014 11:00:13 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7	Worklist Smp#:	14
Client ID:	SDS-4				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



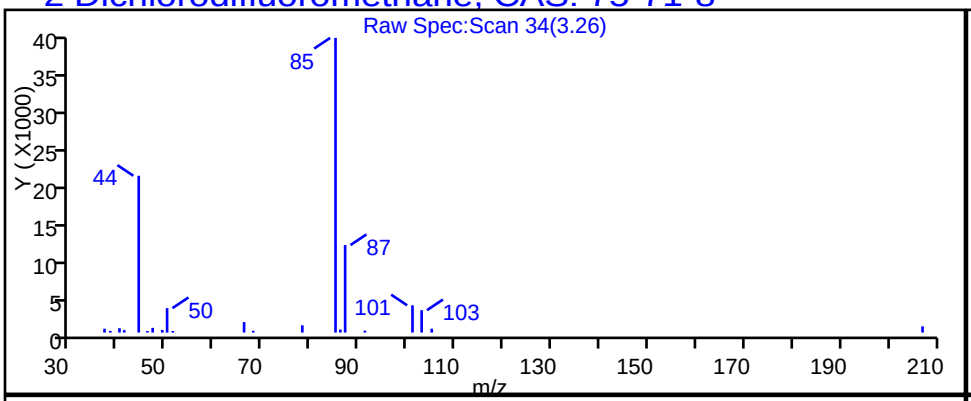
Report Date: 11-Apr-2014 11:00:13 Chrom Revision: 2.2 10-Apr-2014 15:11:30

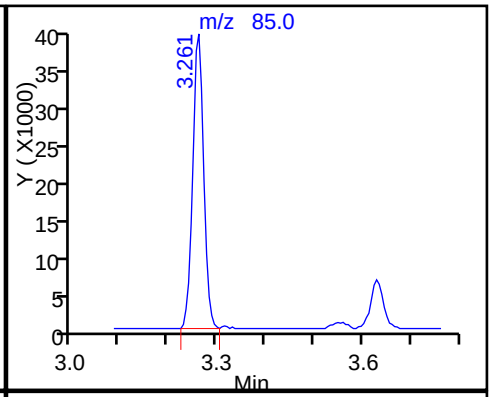
TestAmerica Burlington

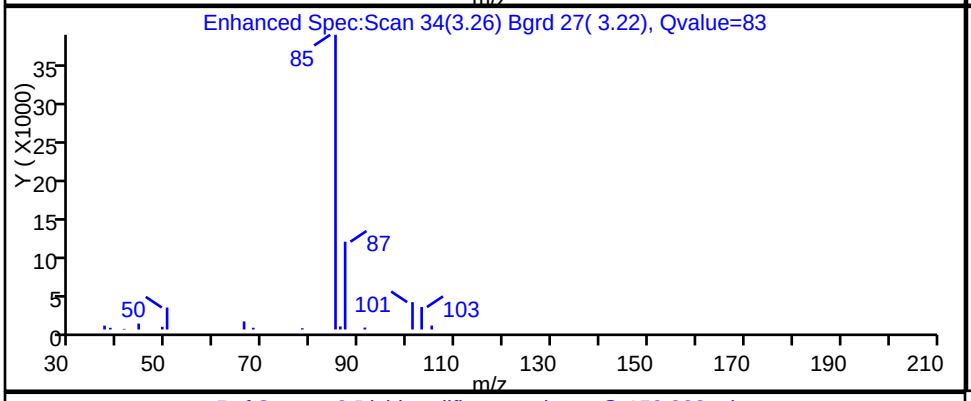
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

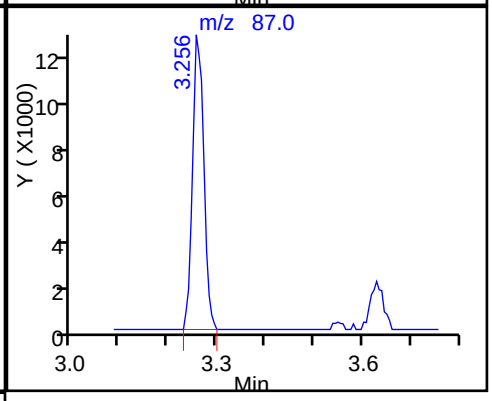
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

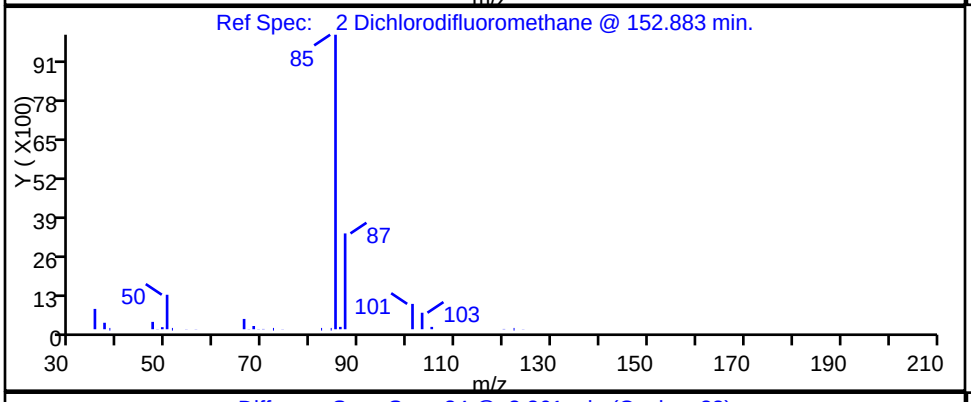
2 Dichlorodifluoromethane, CAS: 75-71-8

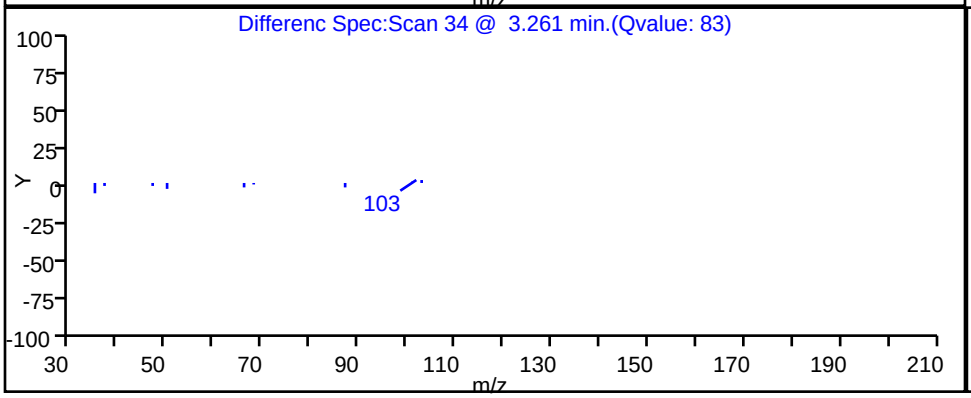


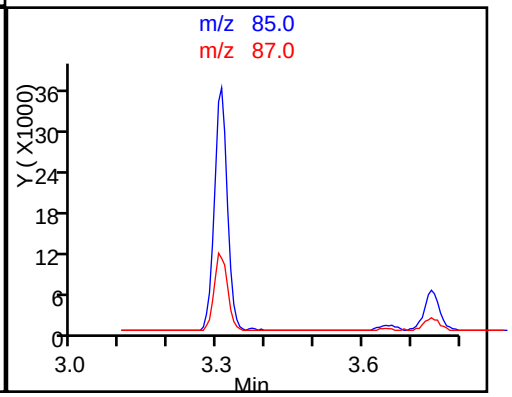












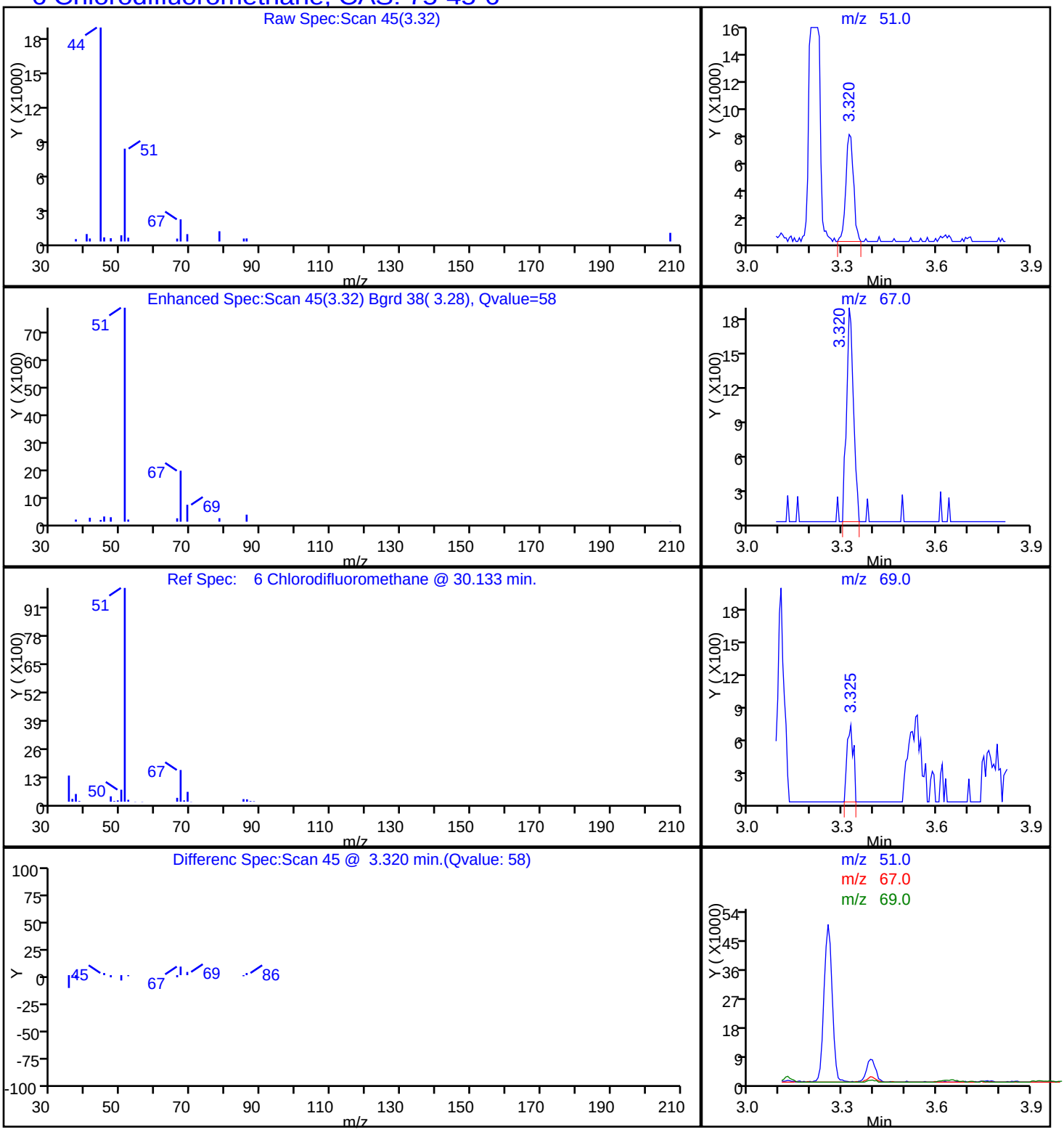
Report Date: 11-Apr-2014 11:00:13 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



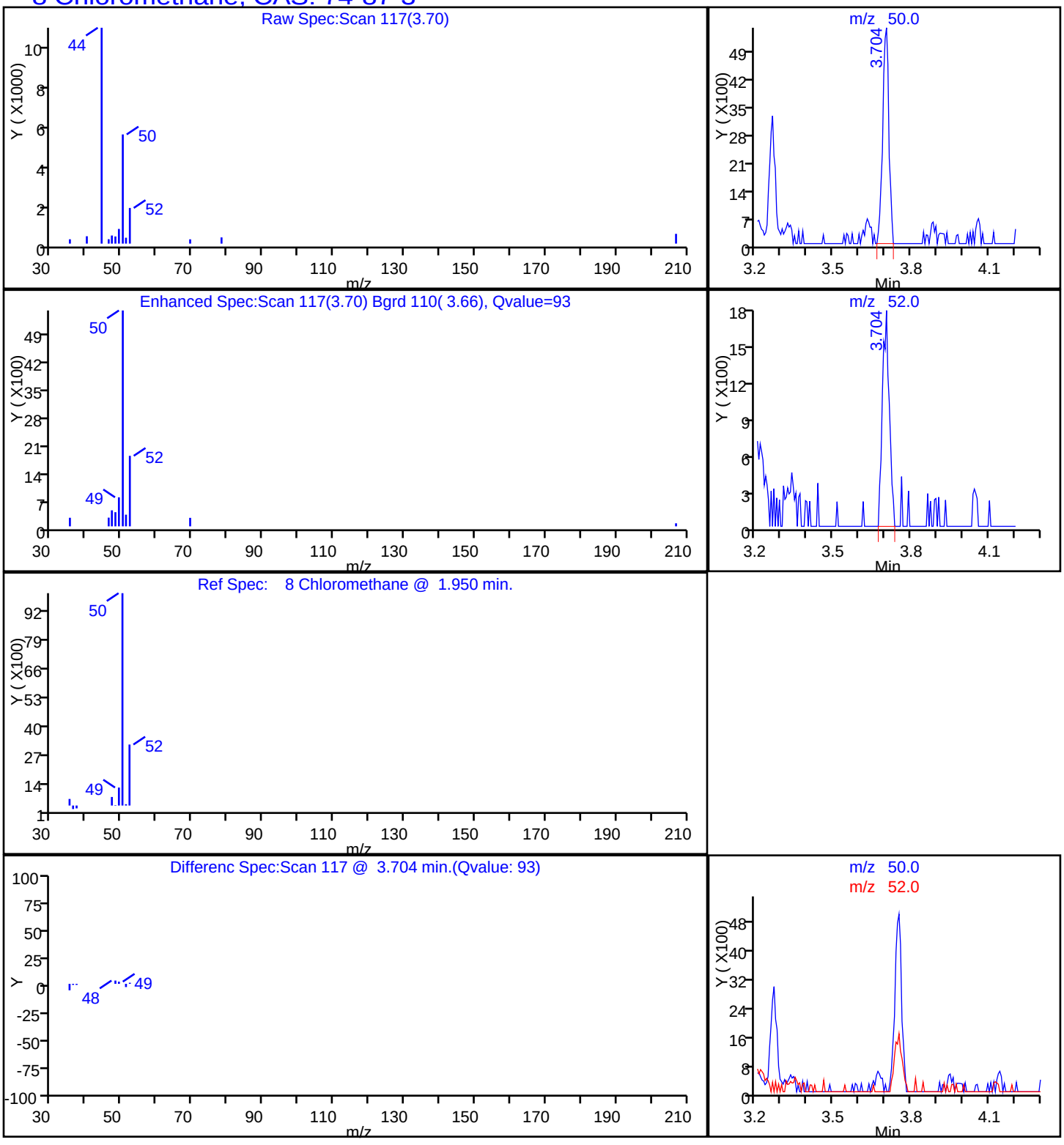
Report Date: 11-Apr-2014 11:00:13 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3



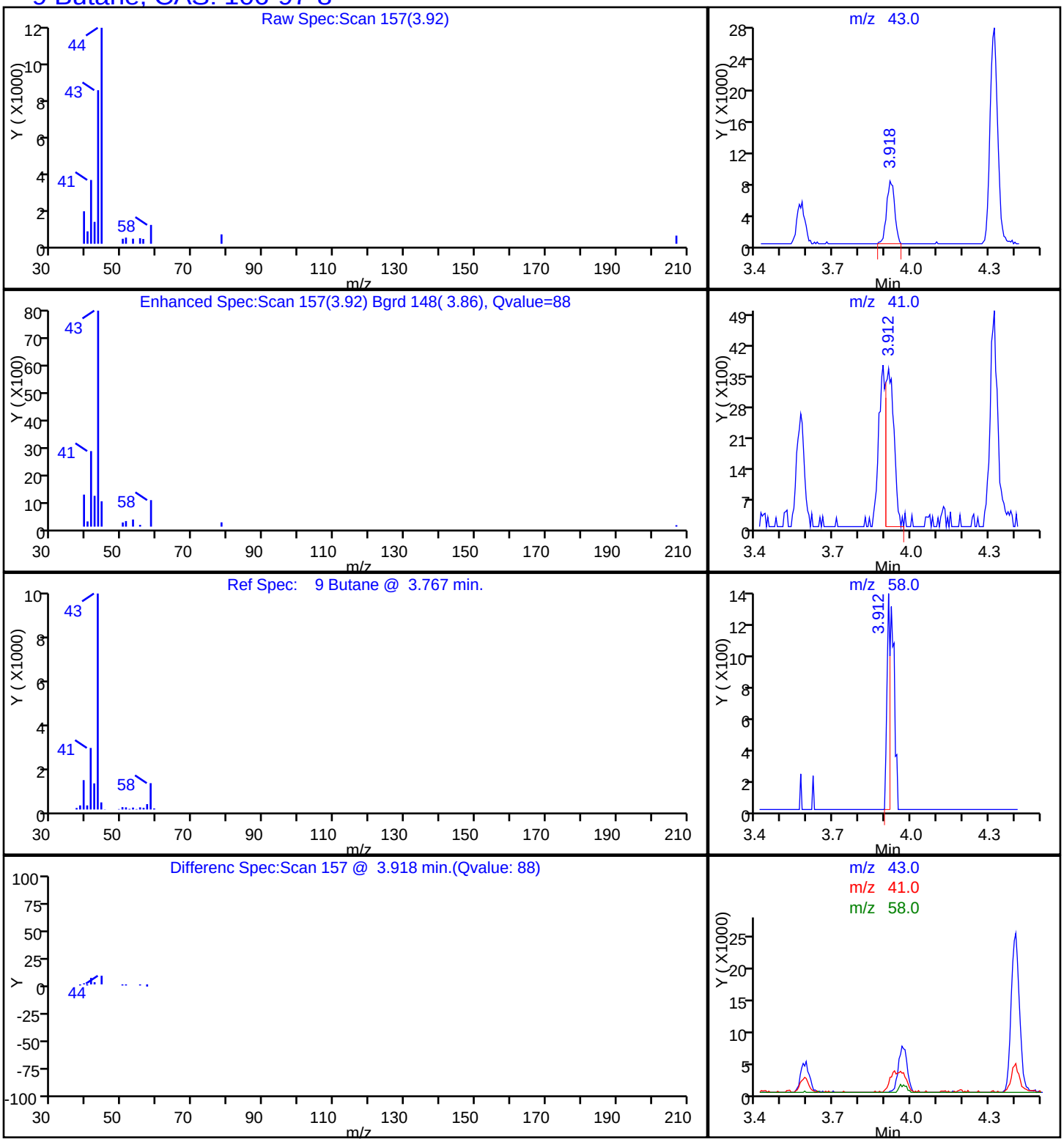
Report Date: 11-Apr-2014 11:00:13 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



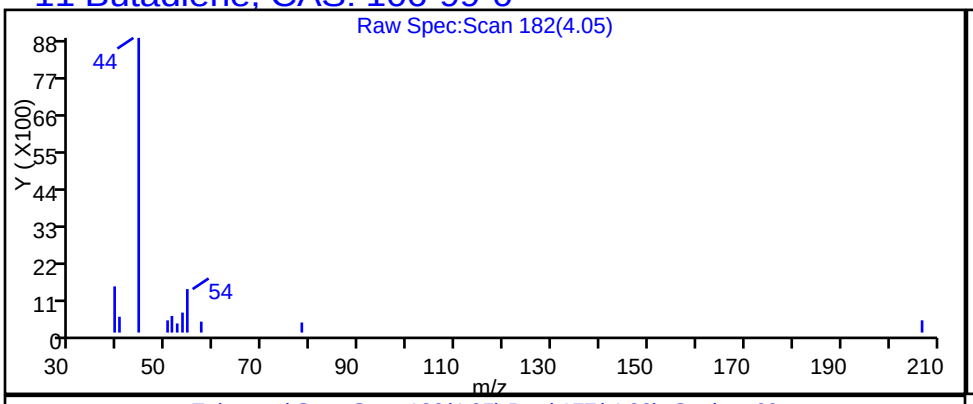
Report Date: 11-Apr-2014 11:00:13 Chrom Revision: 2.2 10-Apr-2014 15:11:30

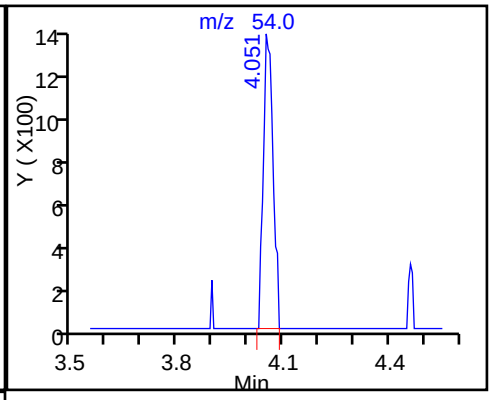
TestAmerica Burlington

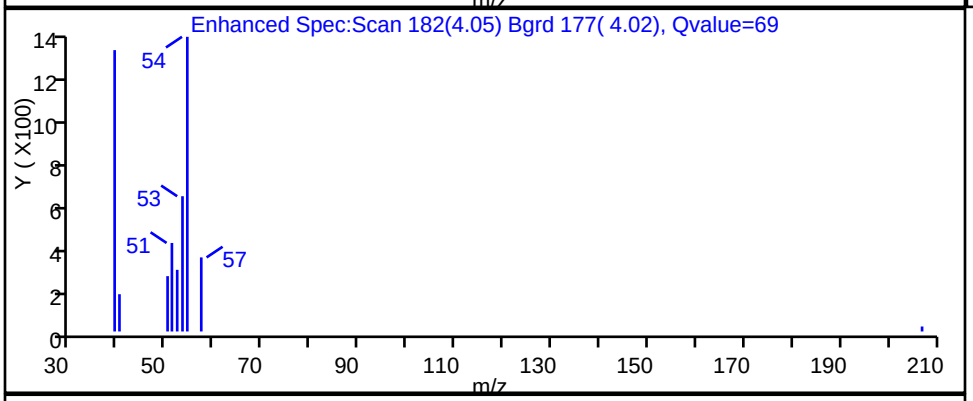
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

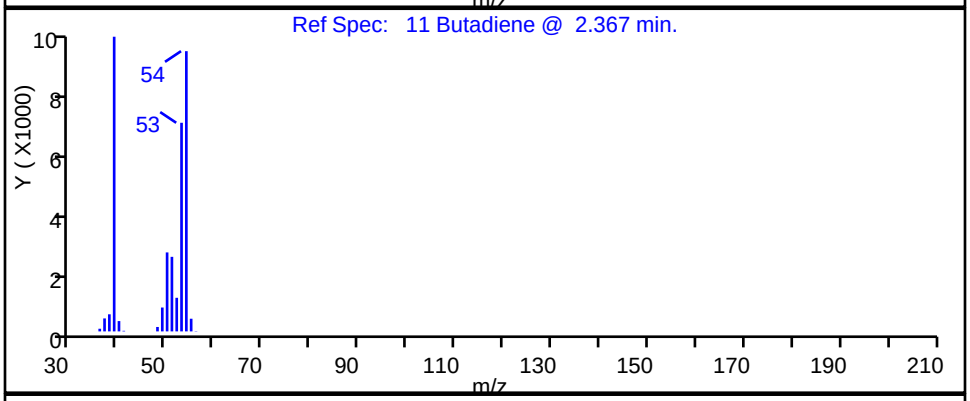
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

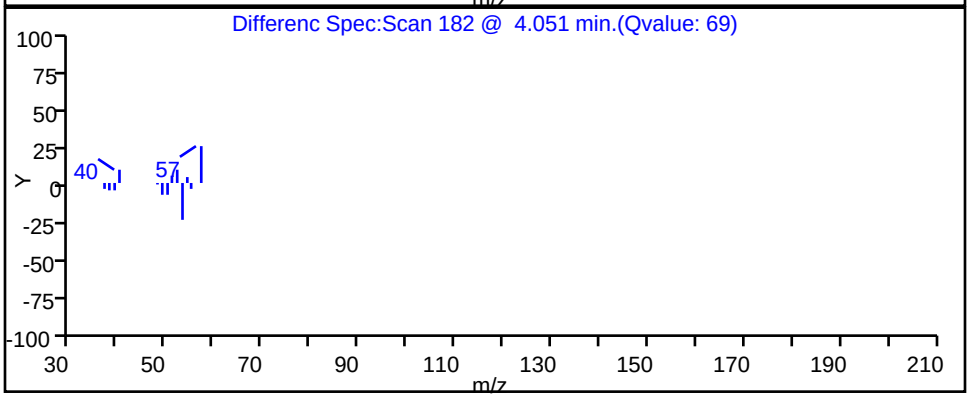
11 Butadiene, CAS: 106-99-0











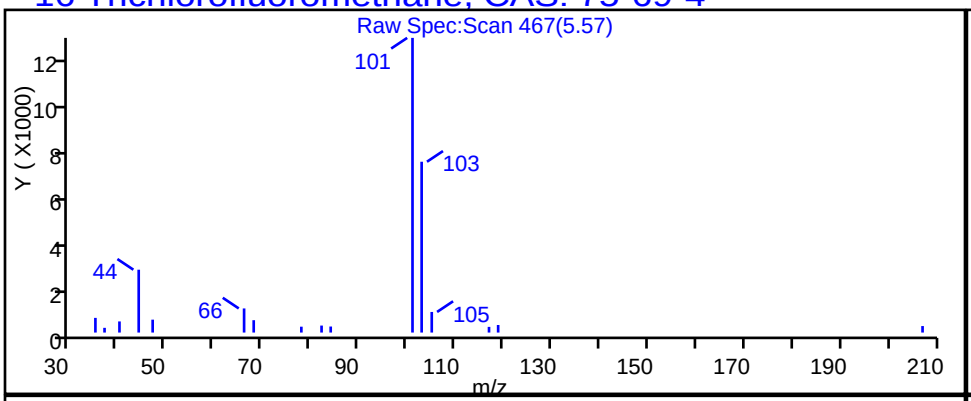
Report Date: 11-Apr-2014 11:00:13 Chrom Revision: 2.2 10-Apr-2014 15:11:30

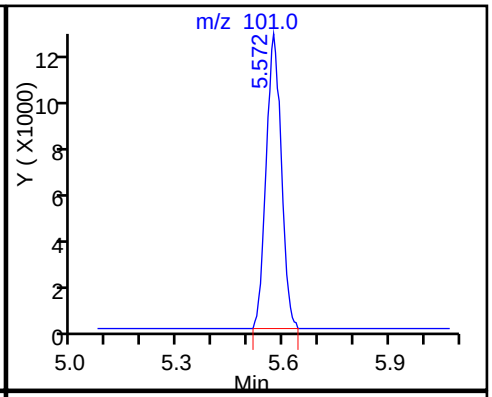
TestAmerica Burlington

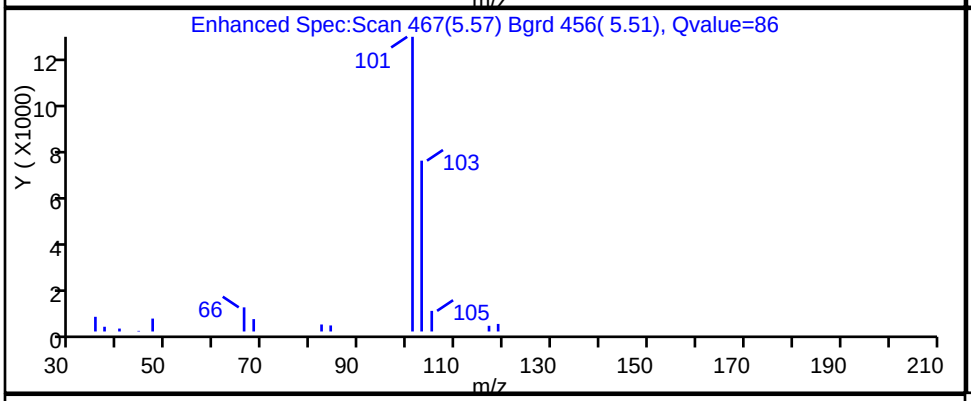
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

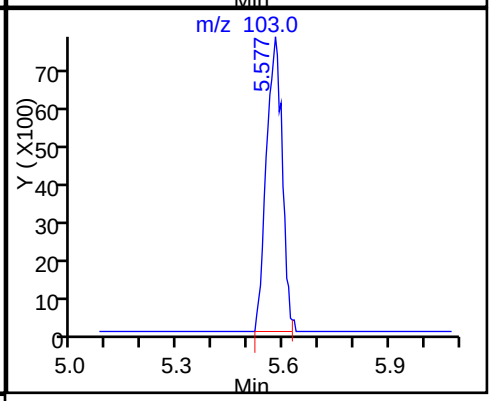
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

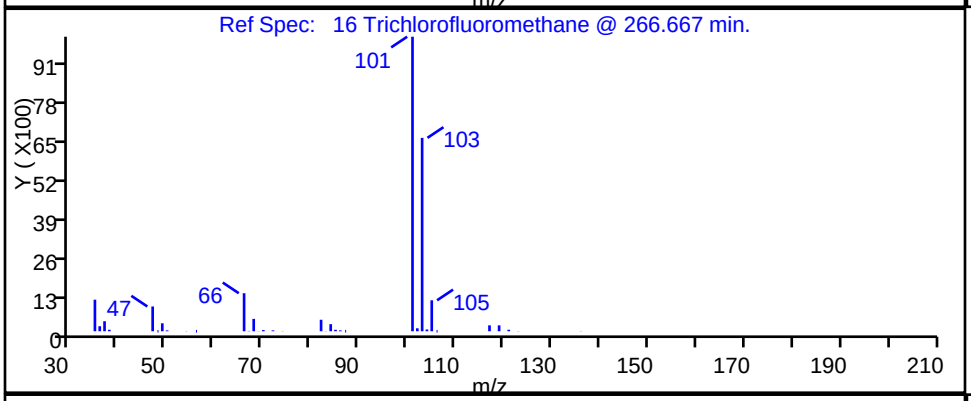
16 Trichlorofluoromethane, CAS: 75-69-4

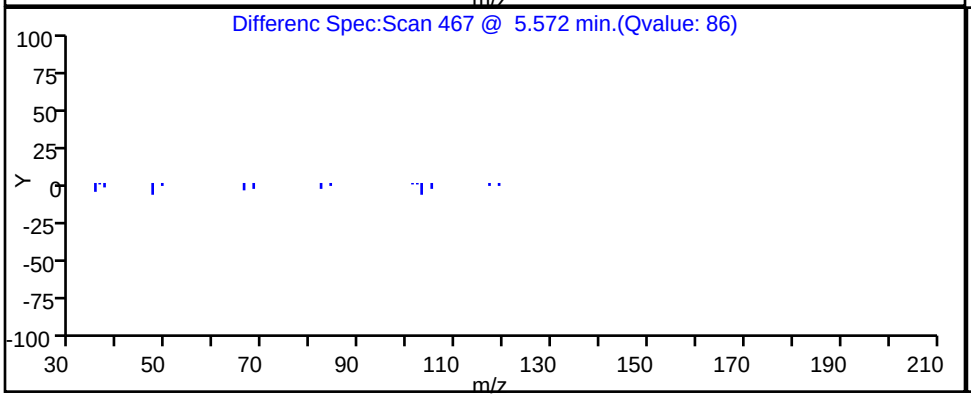


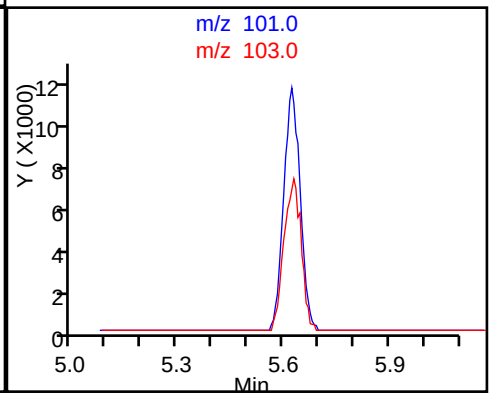












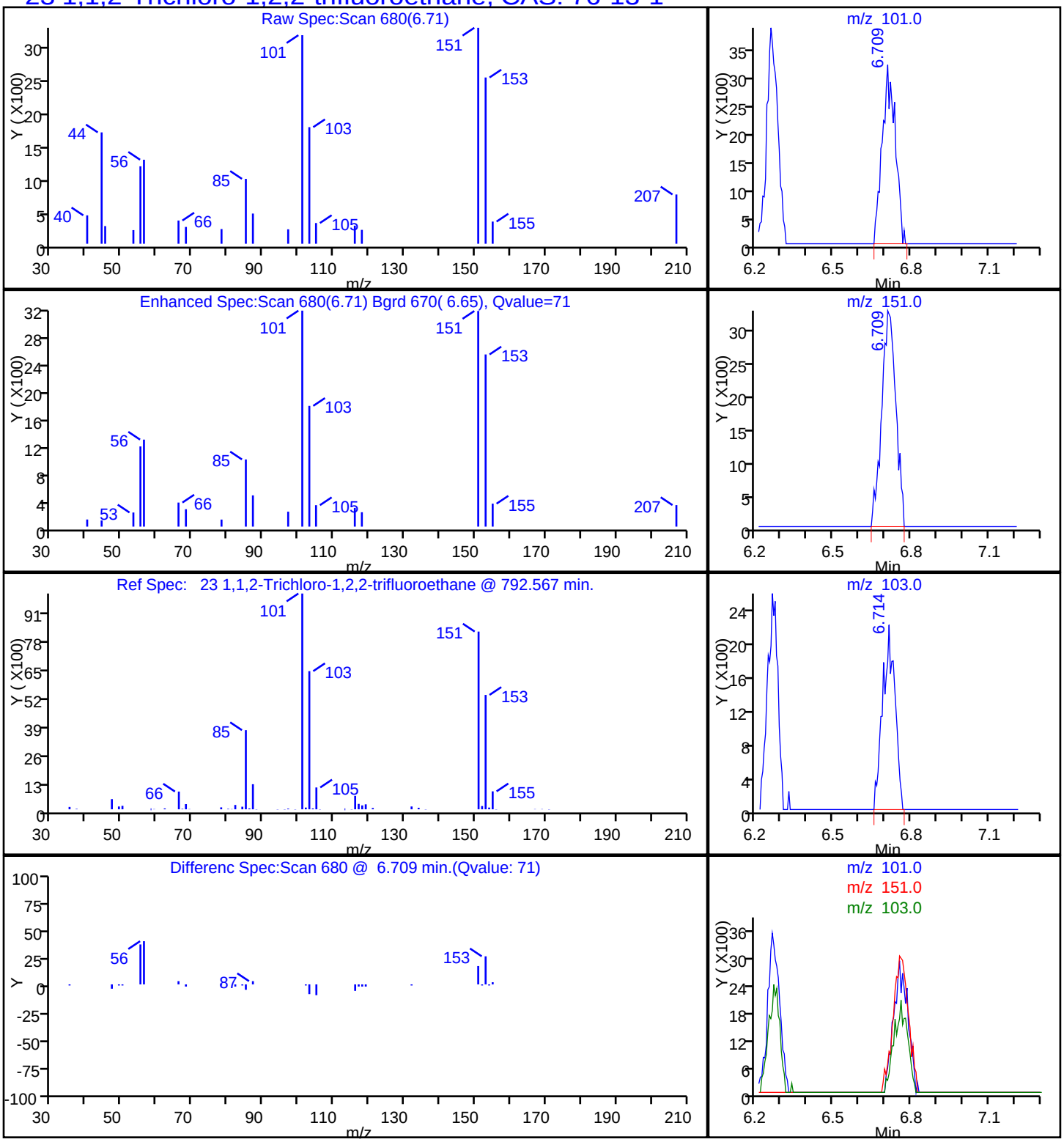
Report Date: 11-Apr-2014 11:00:13 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



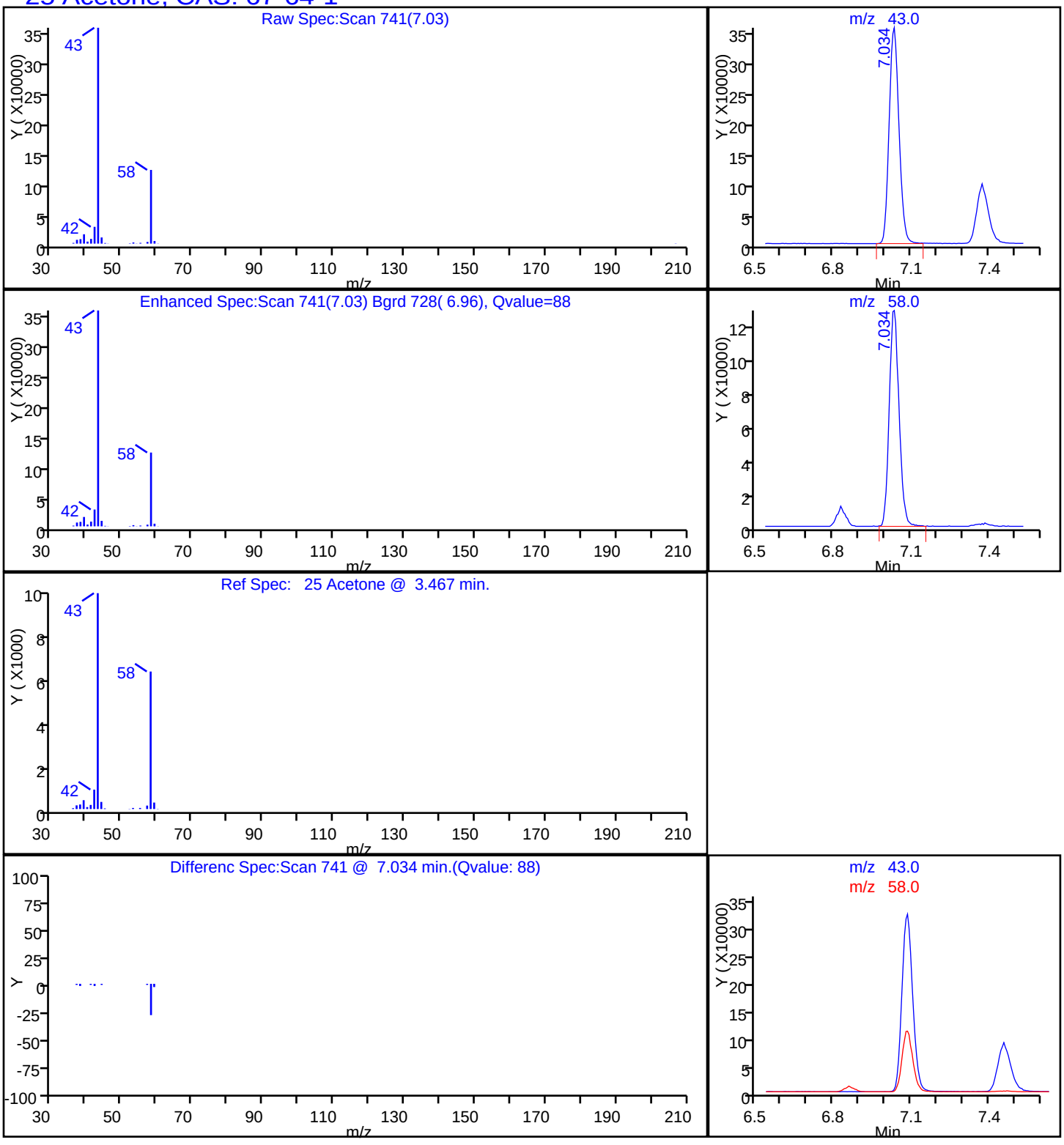
Report Date: 11-Apr-2014 11:00:13 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



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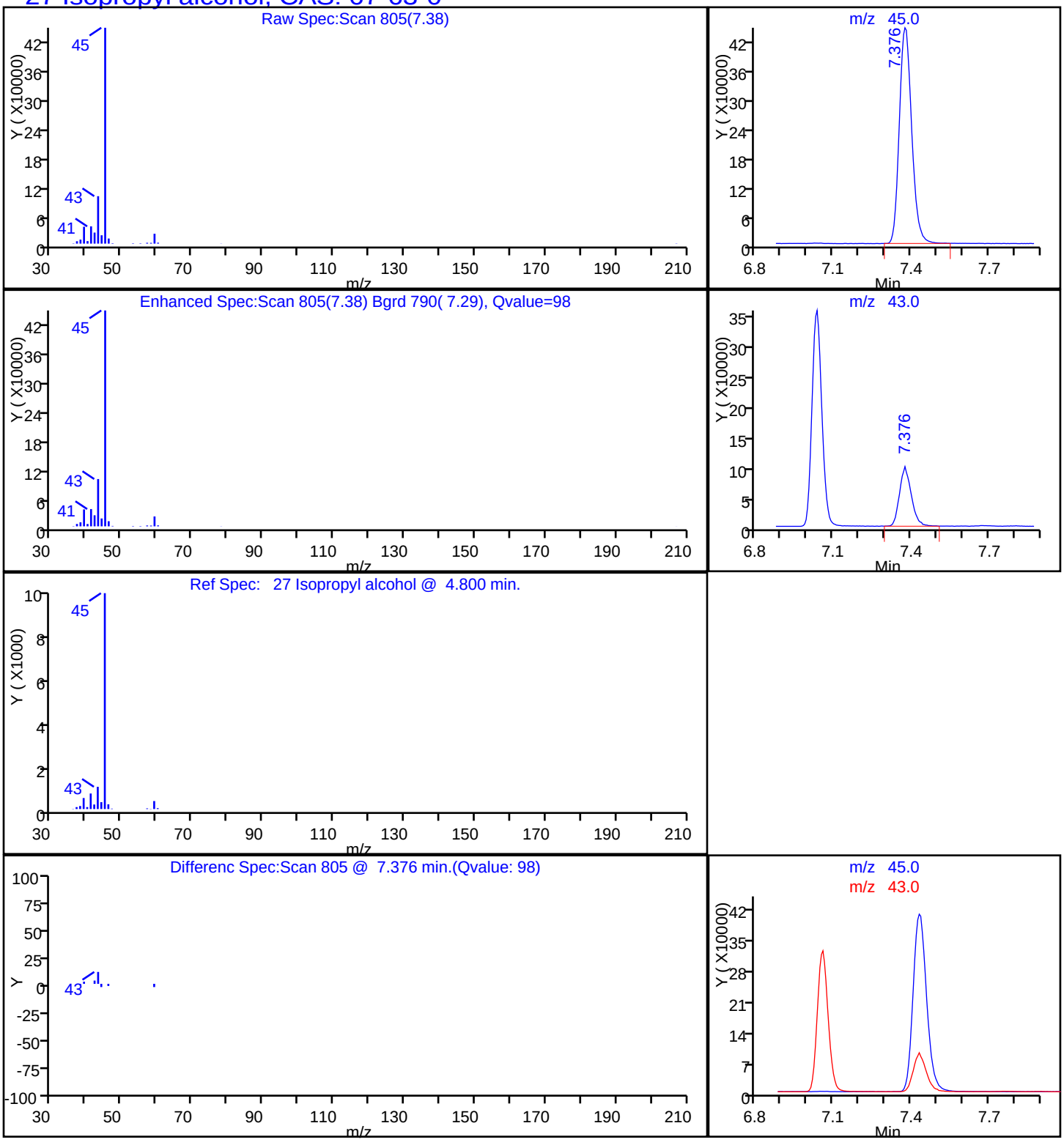
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



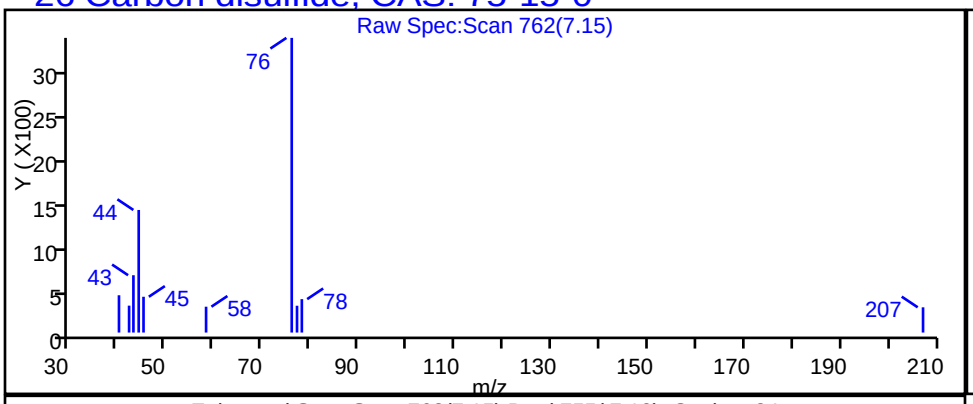
Report Date: 11-Apr-2014 11:00:13 Chrom Revision: 2.2 10-Apr-2014 15:11:30

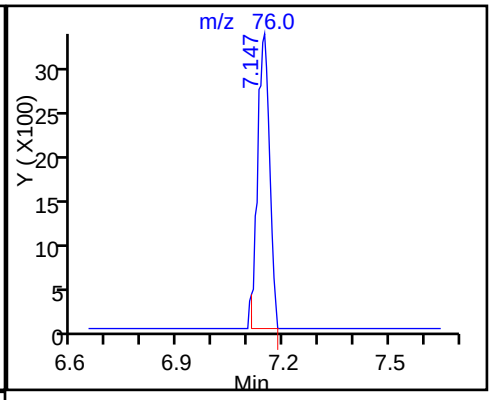
TestAmerica Burlington

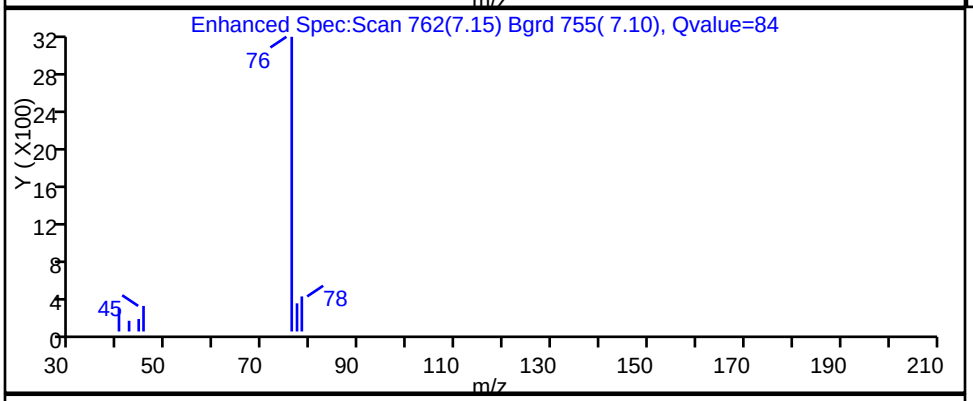
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

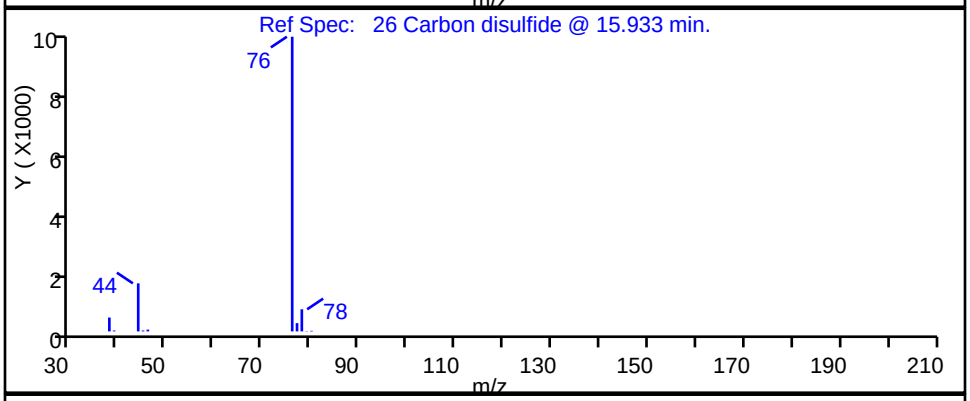
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

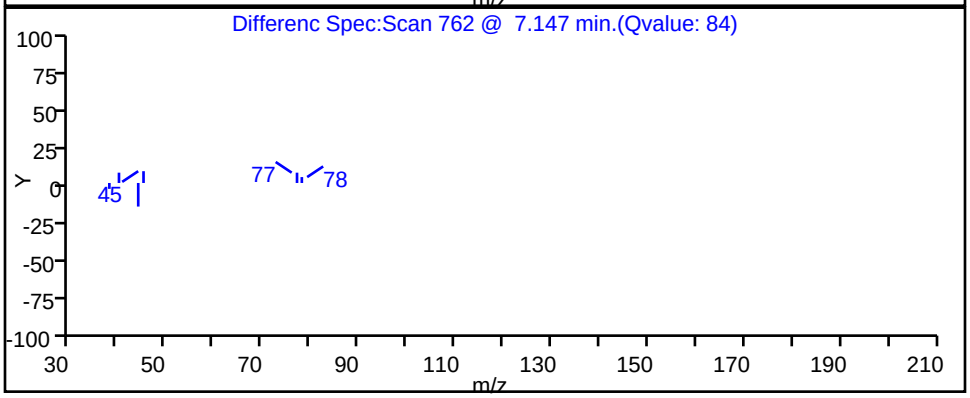
26 Carbon disulfide, CAS: 75-15-0











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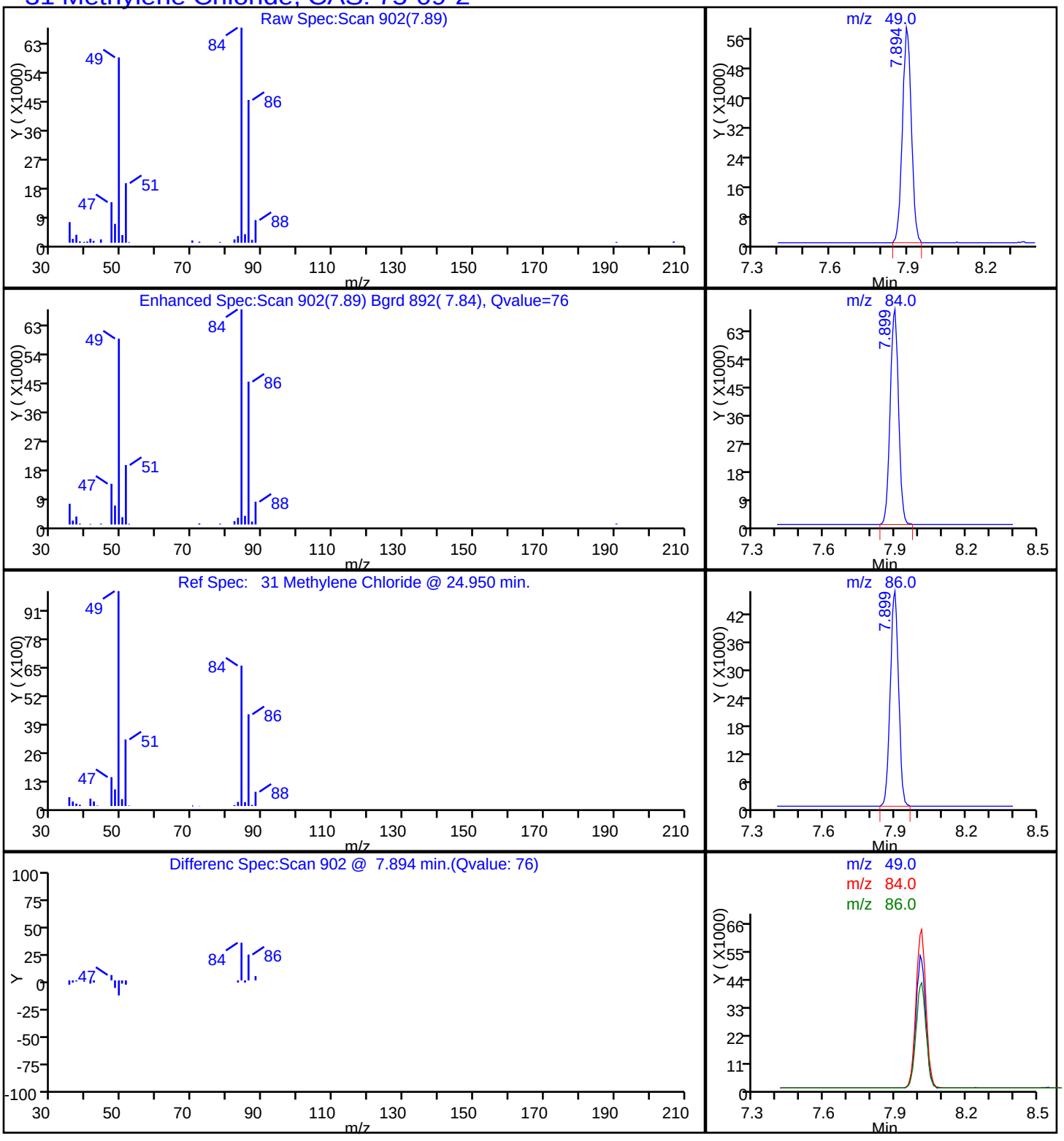
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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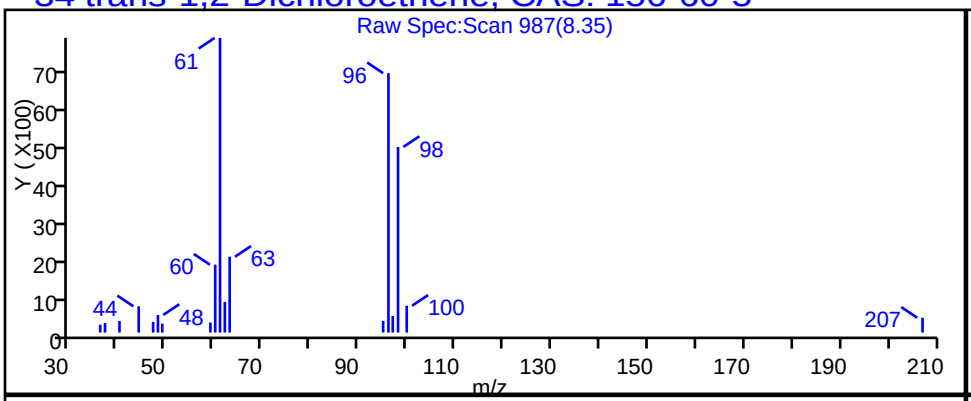
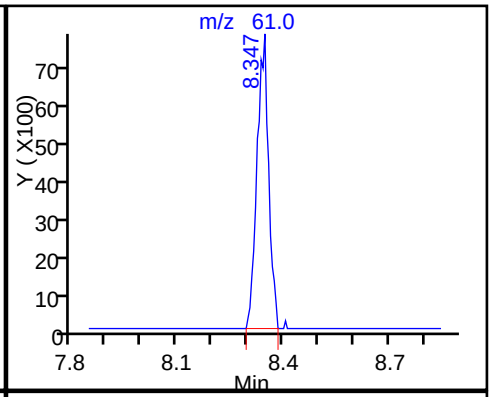
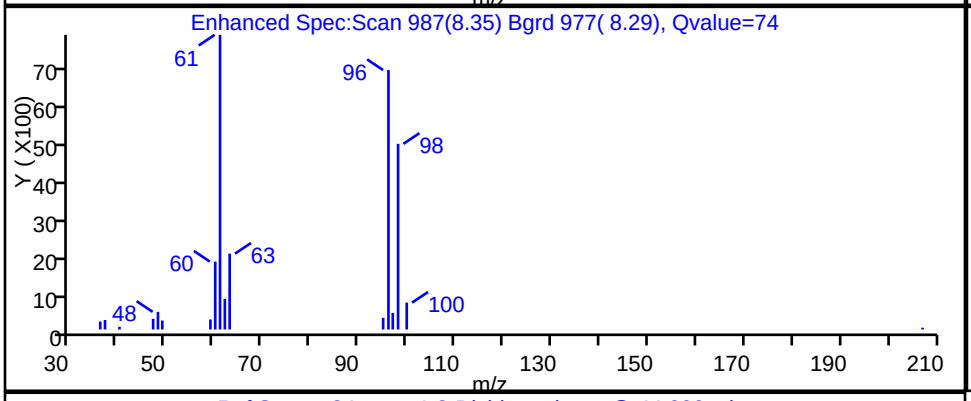
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

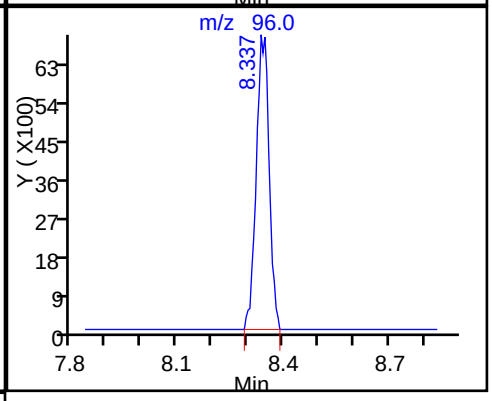
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

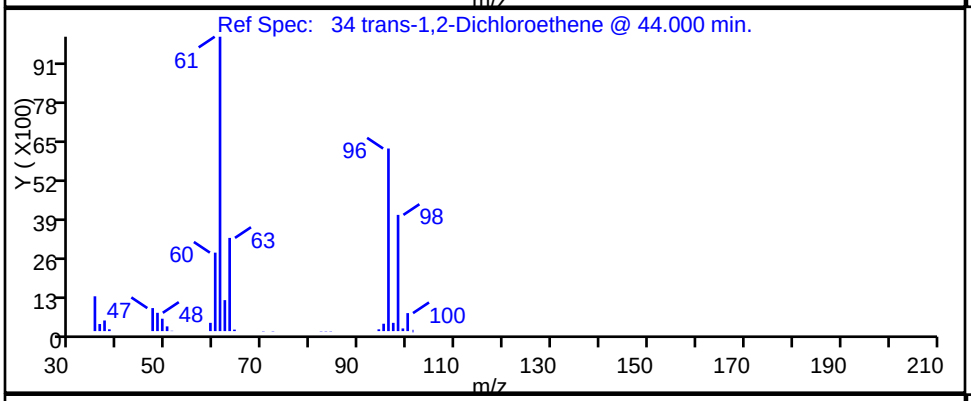
34 trans-1,2-Dichloroethene, CAS: 156-60-5

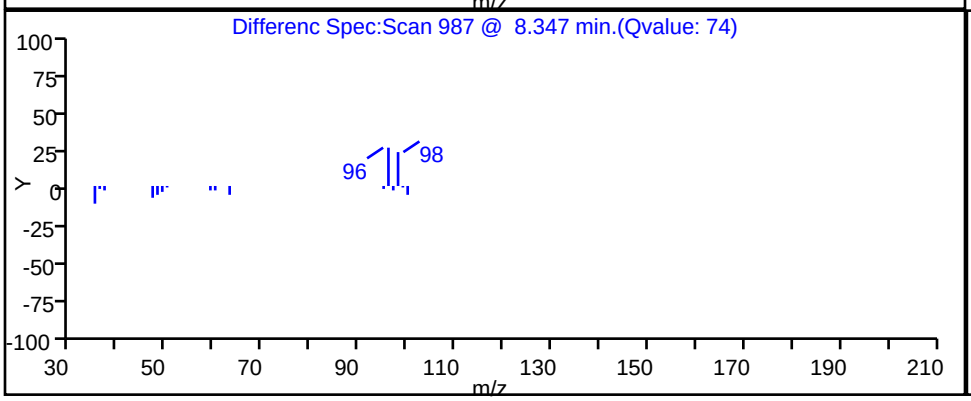


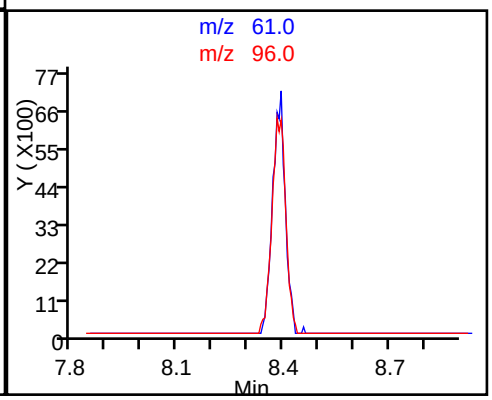










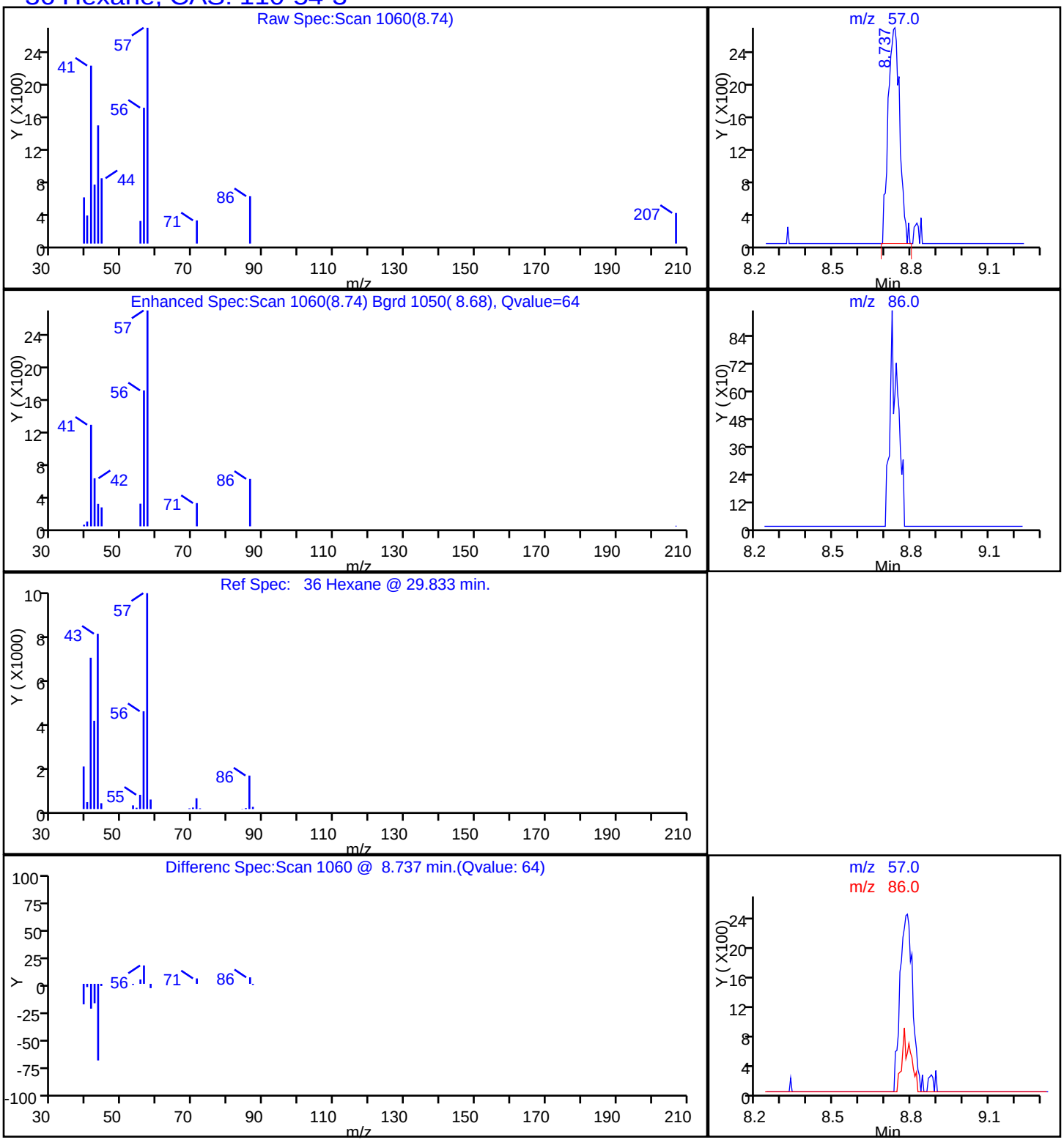


Report Date: 11-Apr-2014 11:00:13 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D				
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



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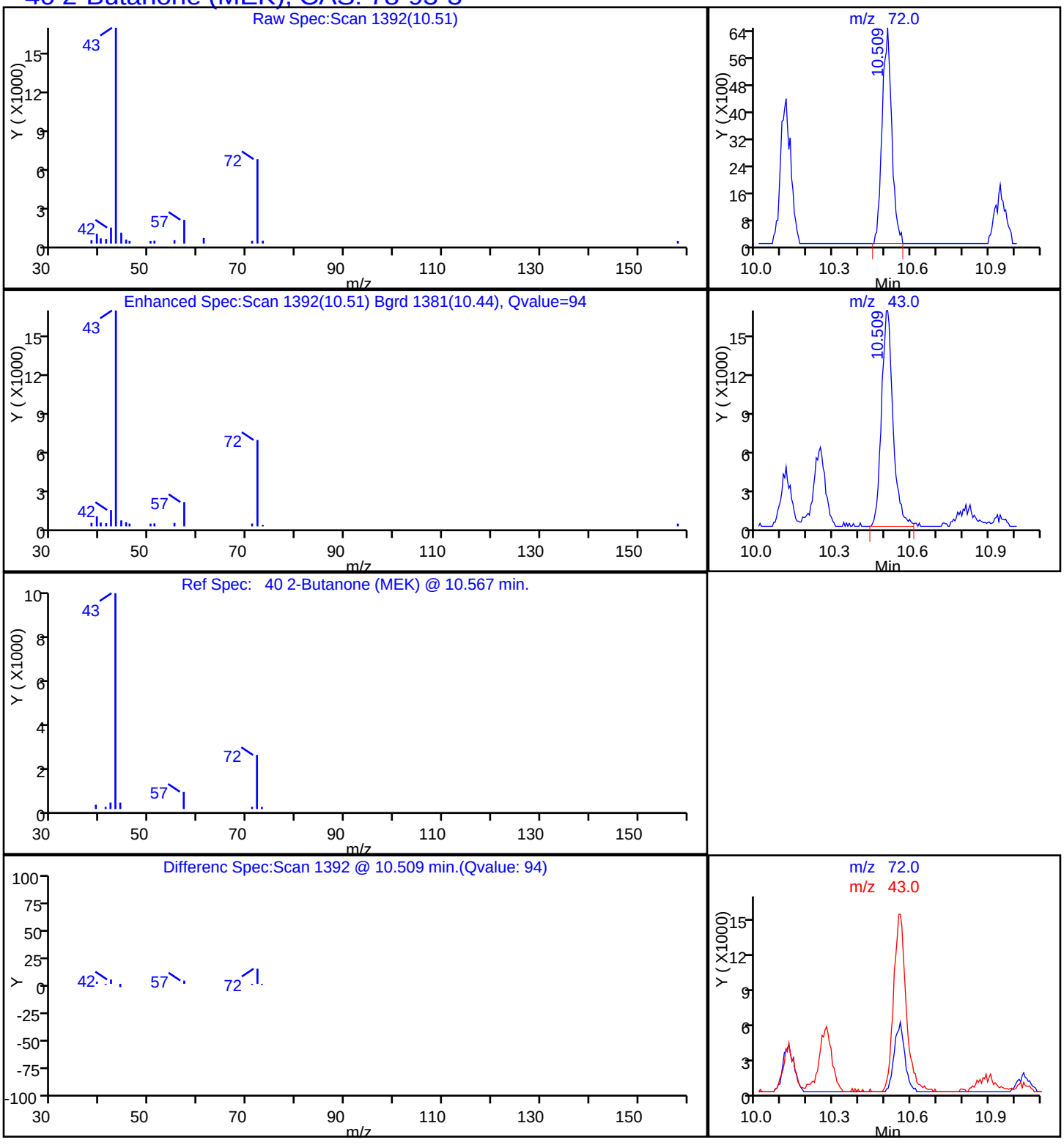
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3



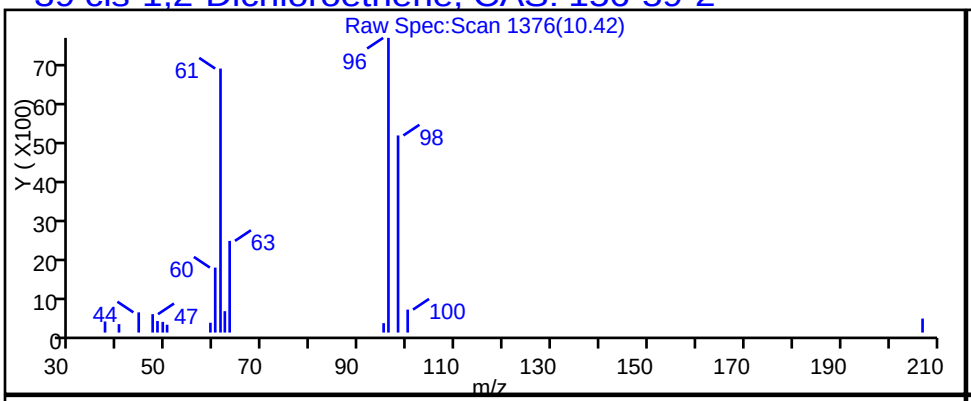
Report Date: 11-Apr-2014 11:00:13 Chrom Revision: 2.2 10-Apr-2014 15:11:30

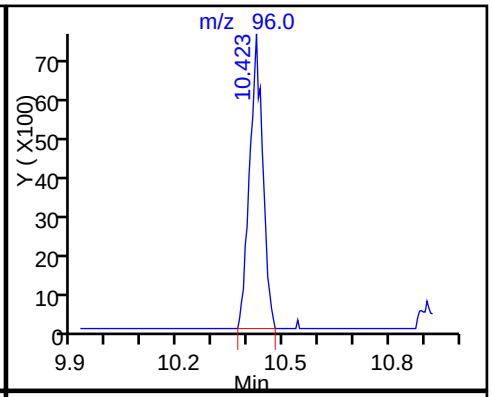
TestAmerica Burlington

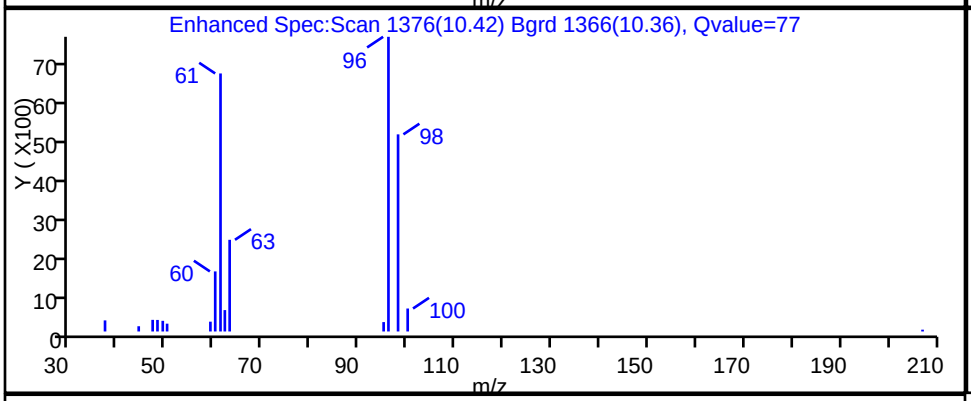
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

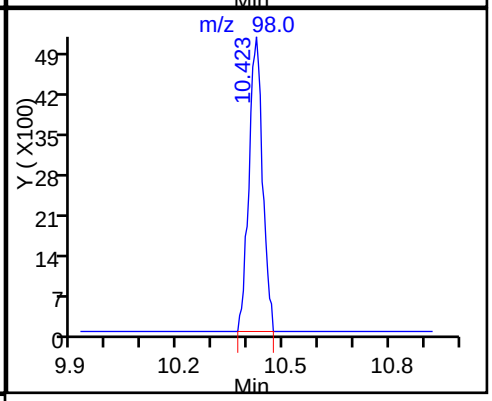
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

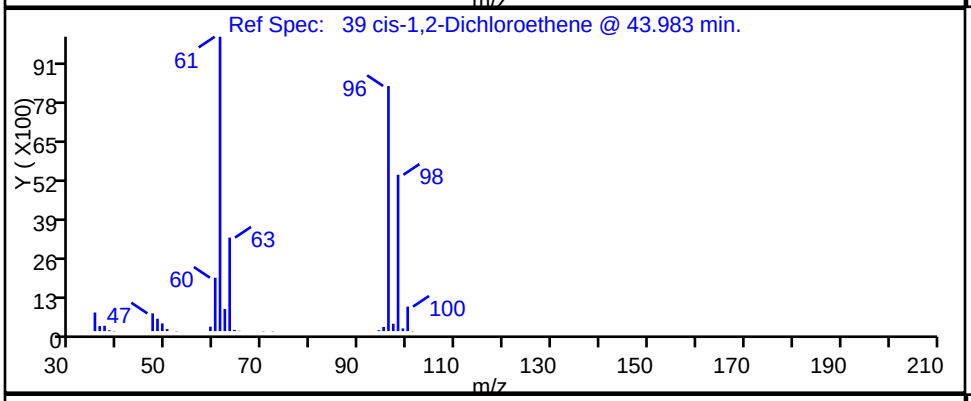
39 cis-1,2-Dichloroethene, CAS: 156-59-2

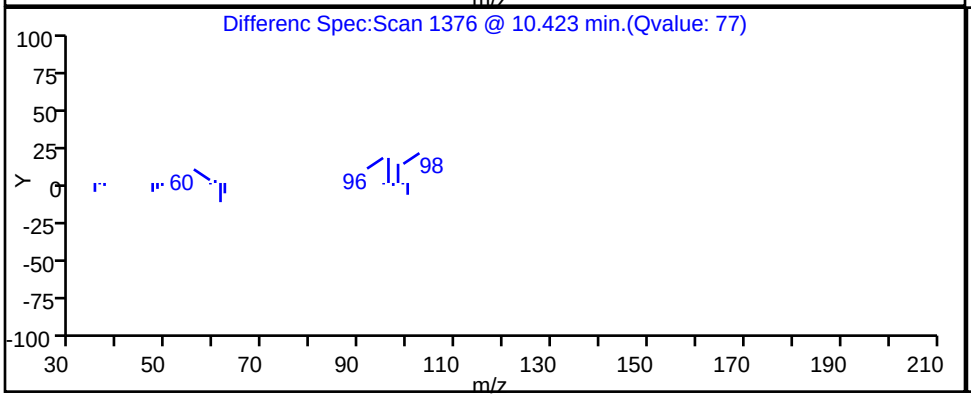


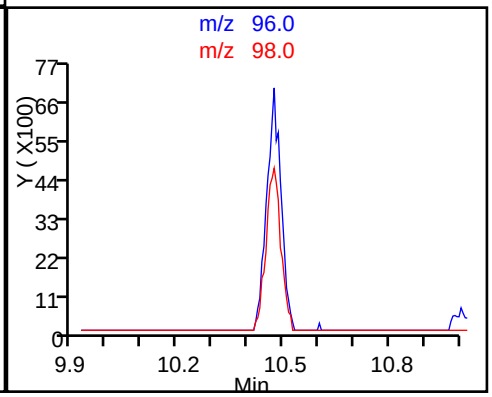












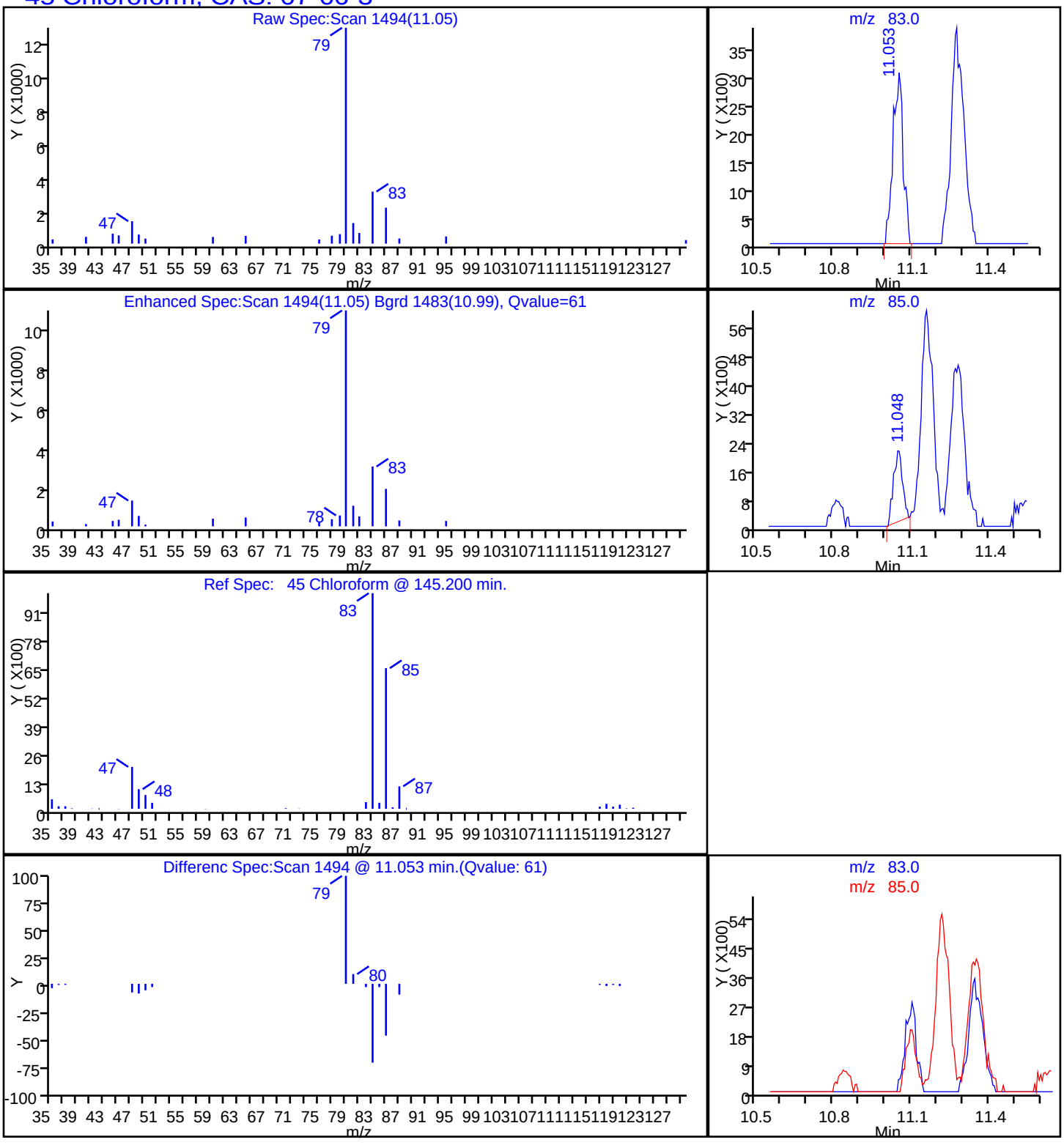
Report Date: 11-Apr-2014 11:00:13 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



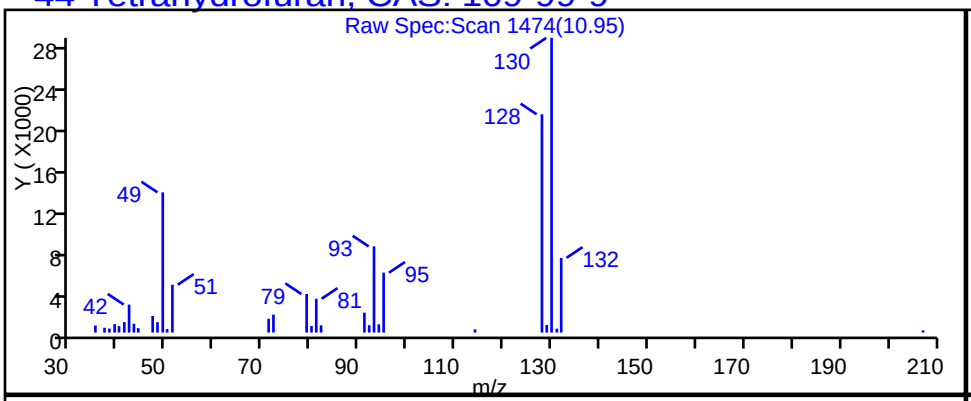
Report Date: 11-Apr-2014 11:00:13 Chrom Revision: 2.2 10-Apr-2014 15:11:30

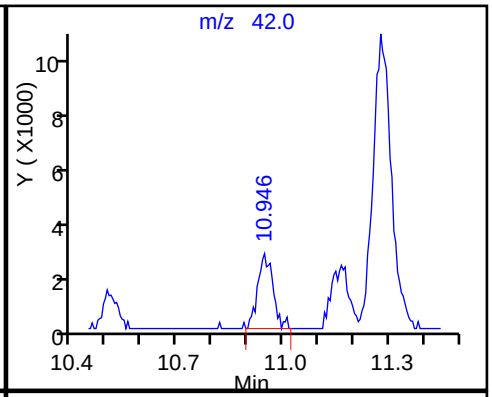
TestAmerica Burlington

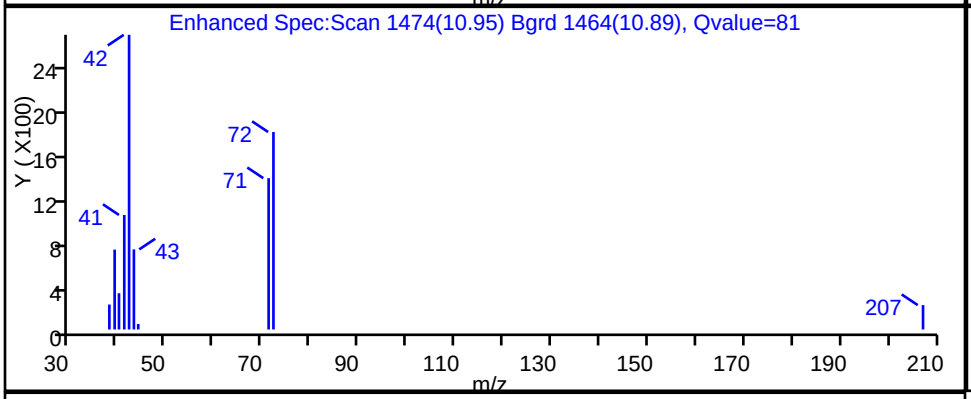
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

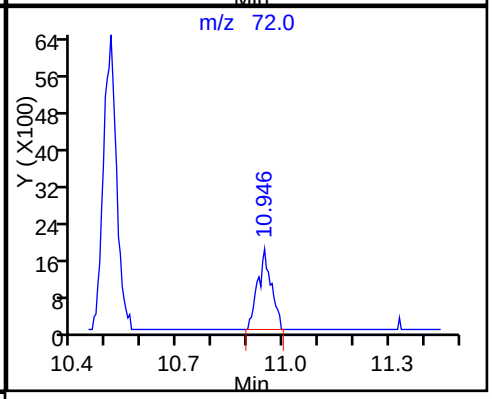
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

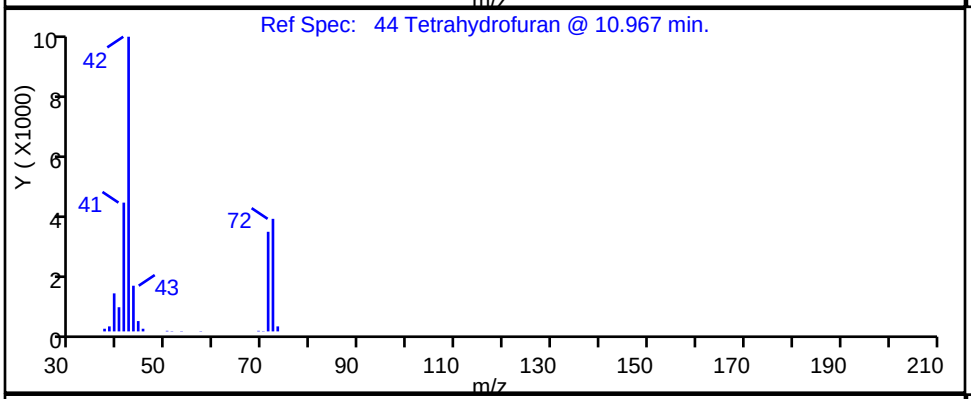
44 Tetrahydrofuran, CAS: 109-99-9

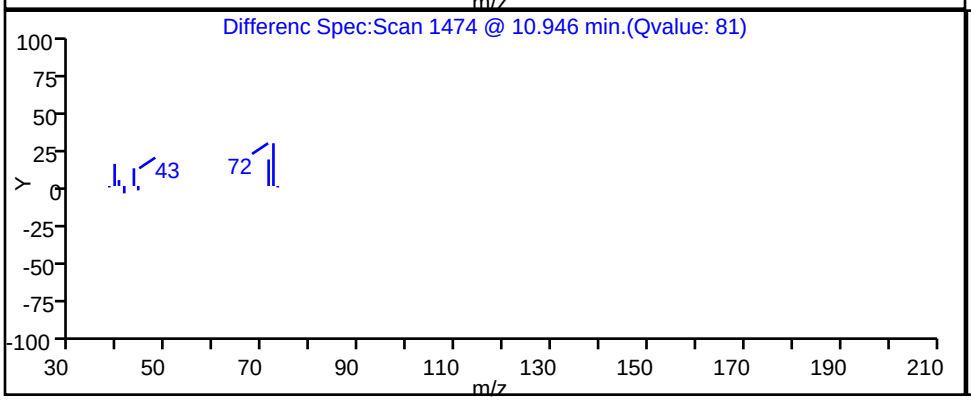


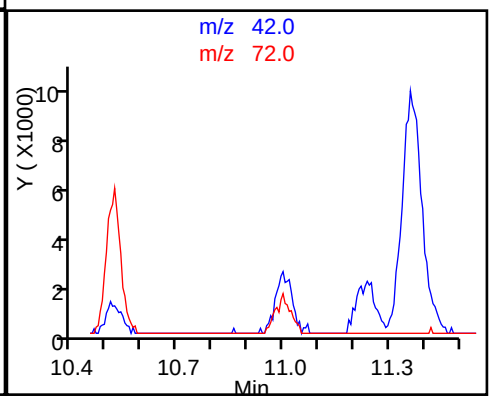












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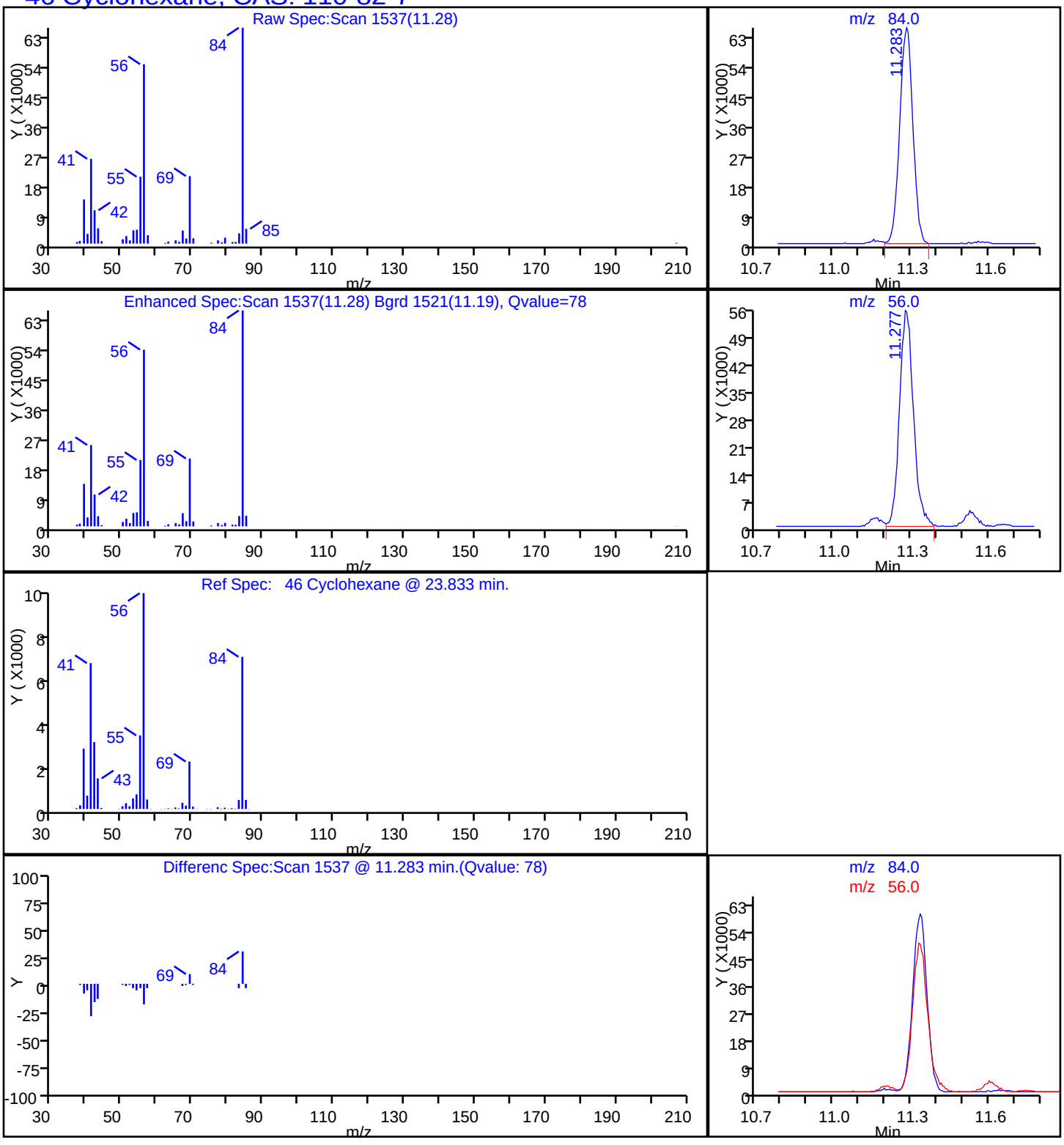
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



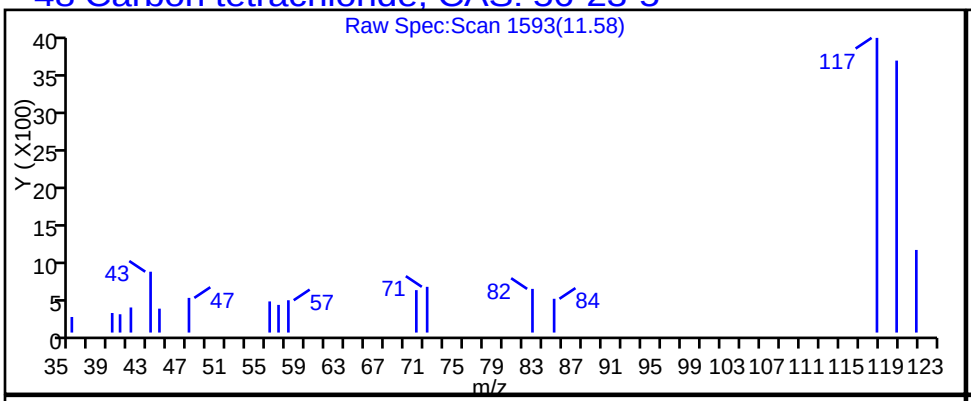
Report Date: 11-Apr-2014 11:00:14 Chrom Revision: 2.2 10-Apr-2014 15:11:30

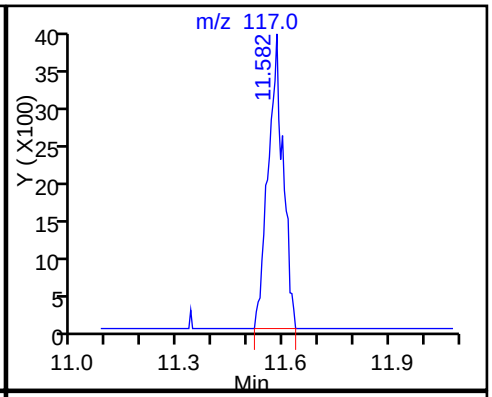
TestAmerica Burlington

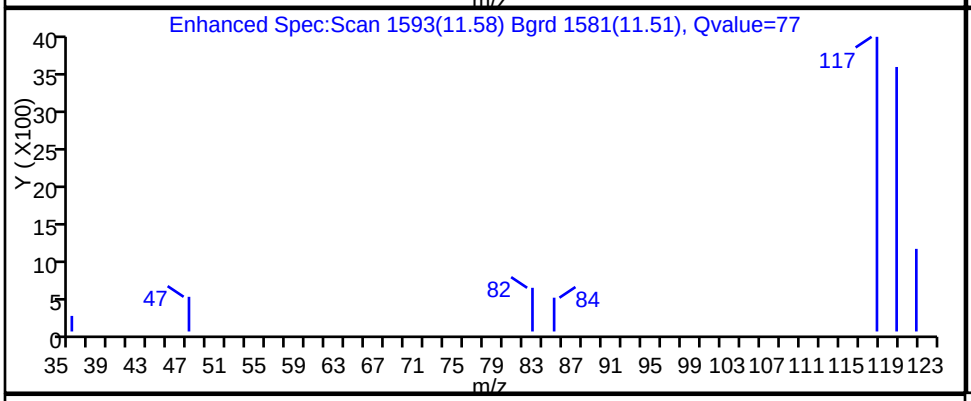
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

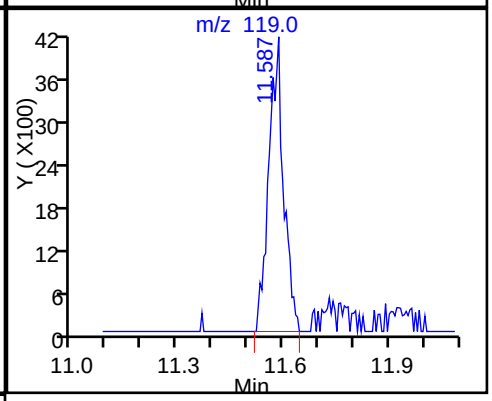
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

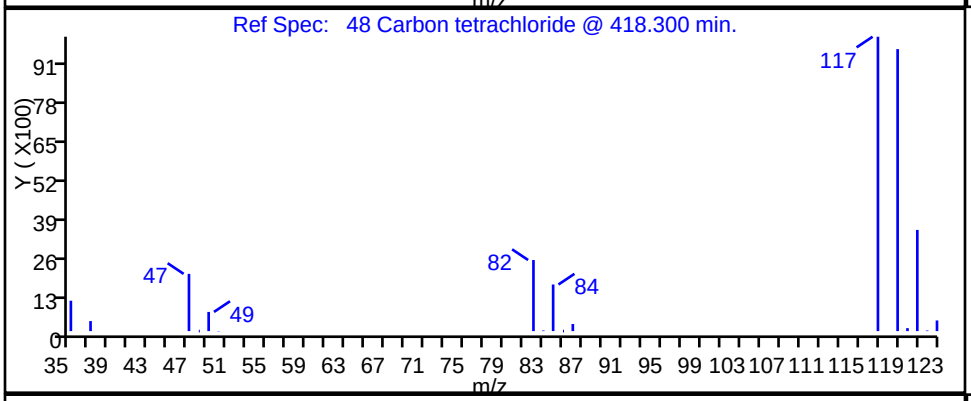
48 Carbon tetrachloride, CAS: 56-23-5

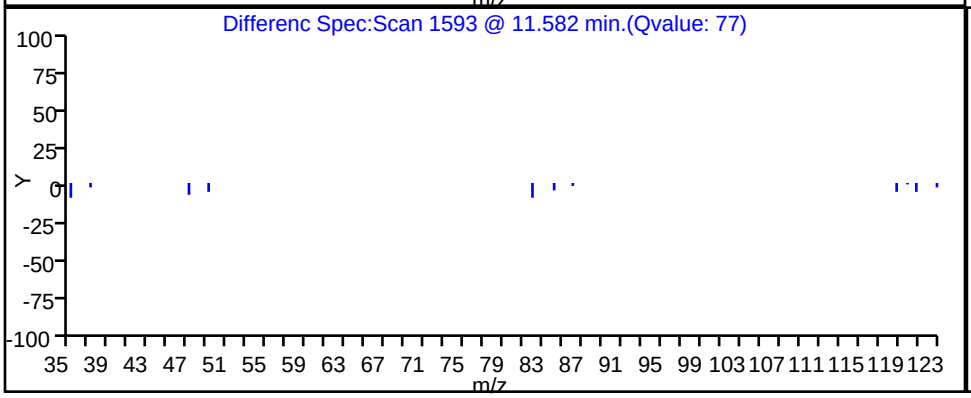


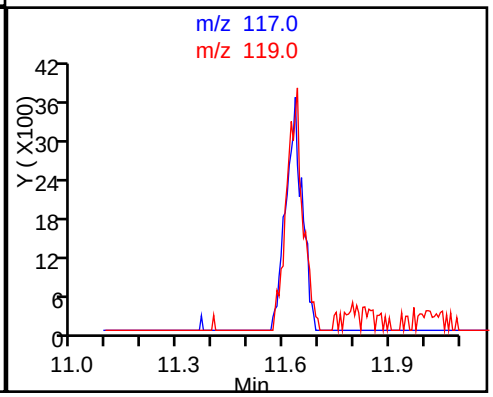












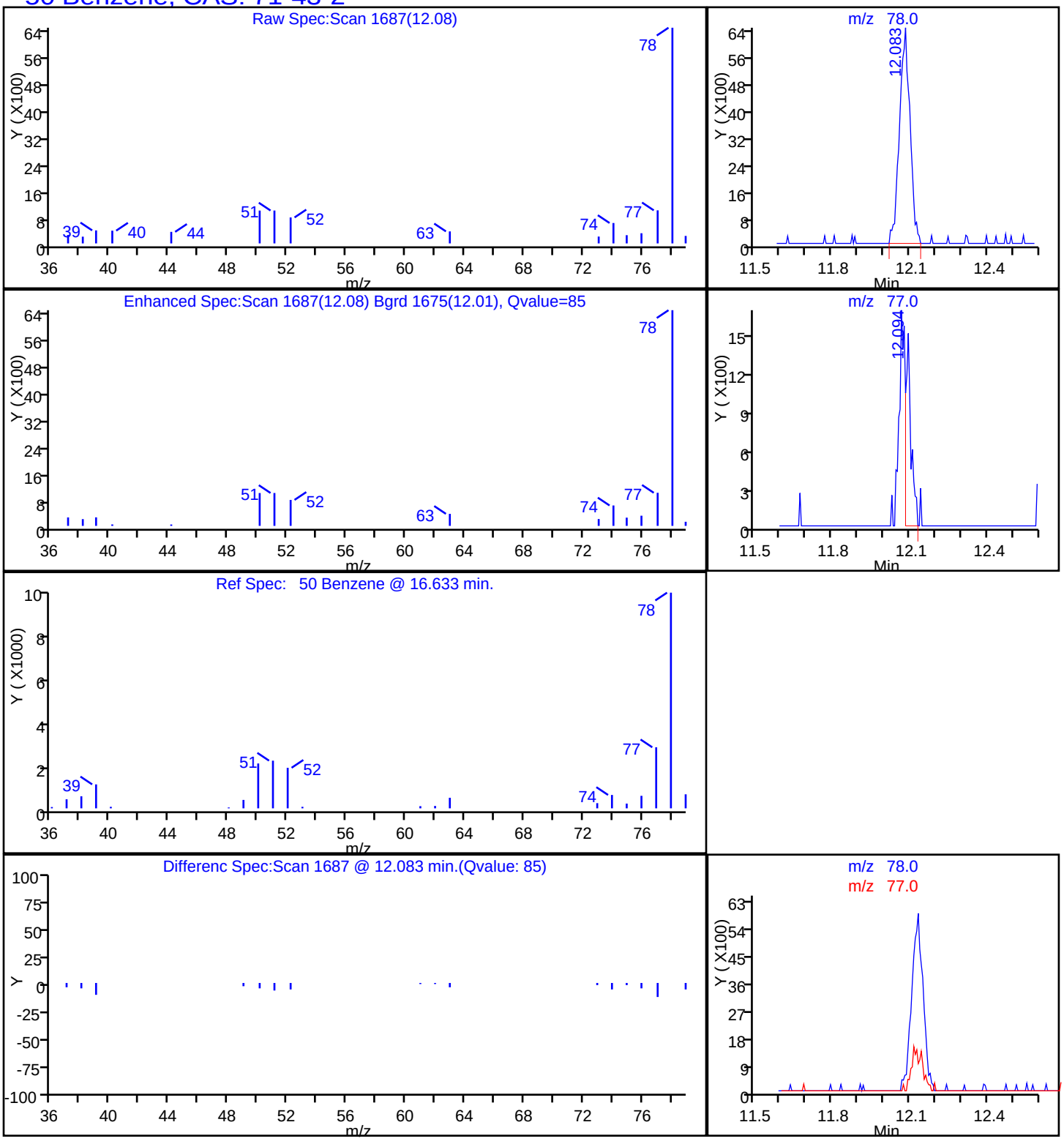
Report Date: 11-Apr-2014 11:00:14 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



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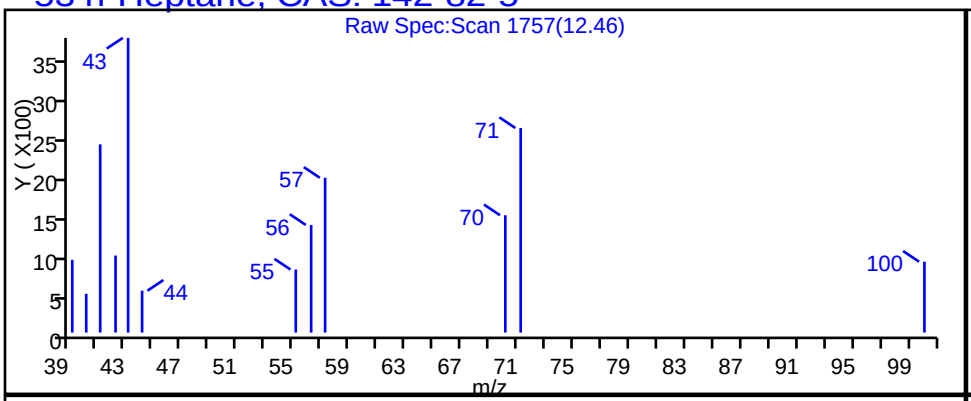
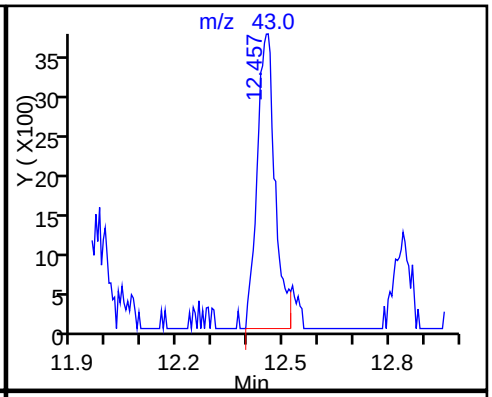
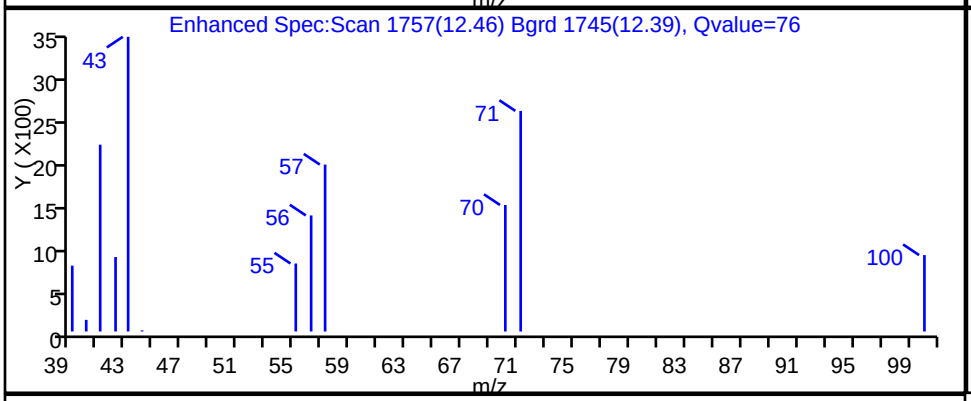
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

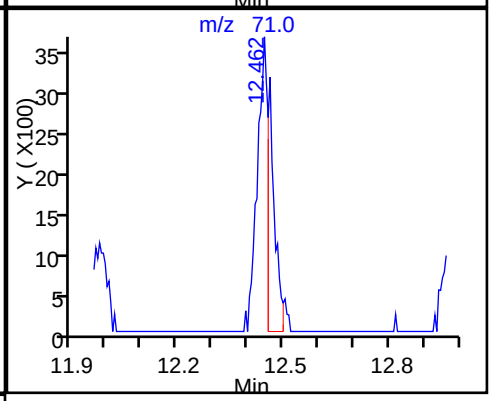
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

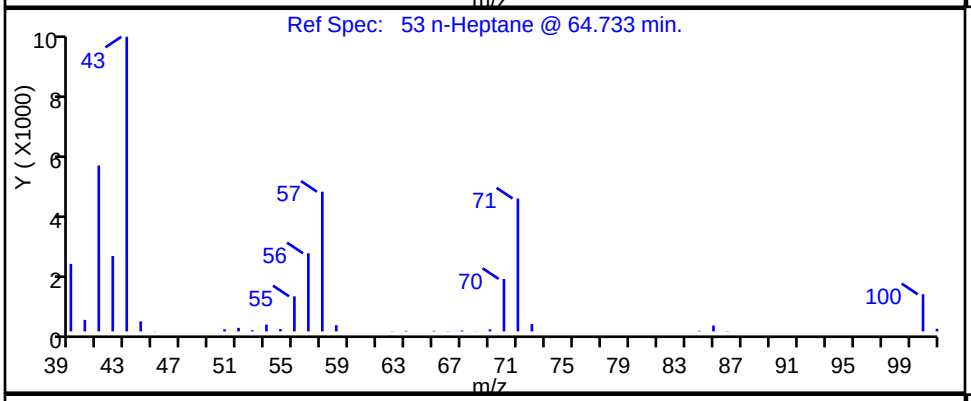
53 n-Heptane, CAS: 142-82-5

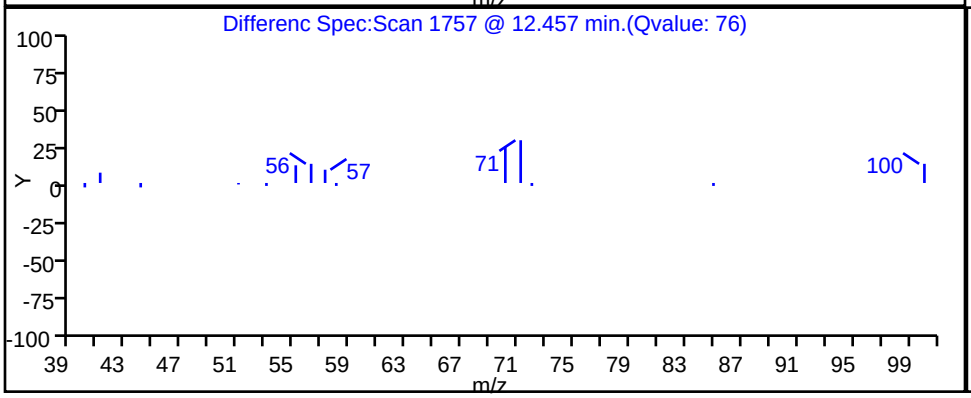


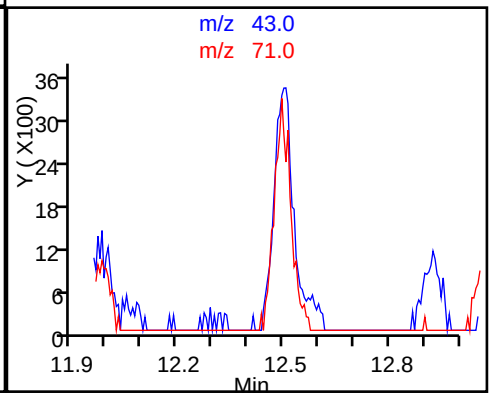












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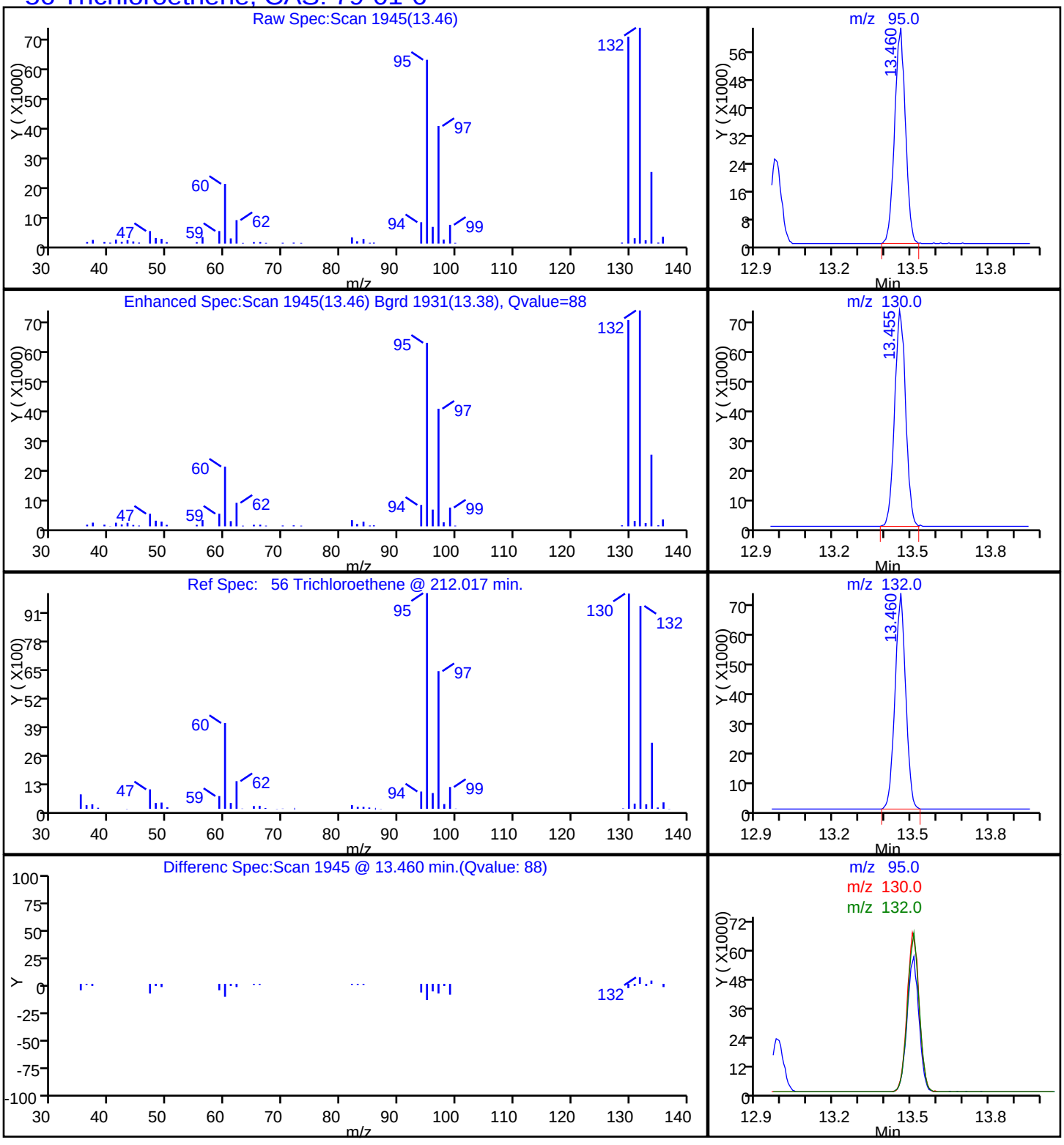
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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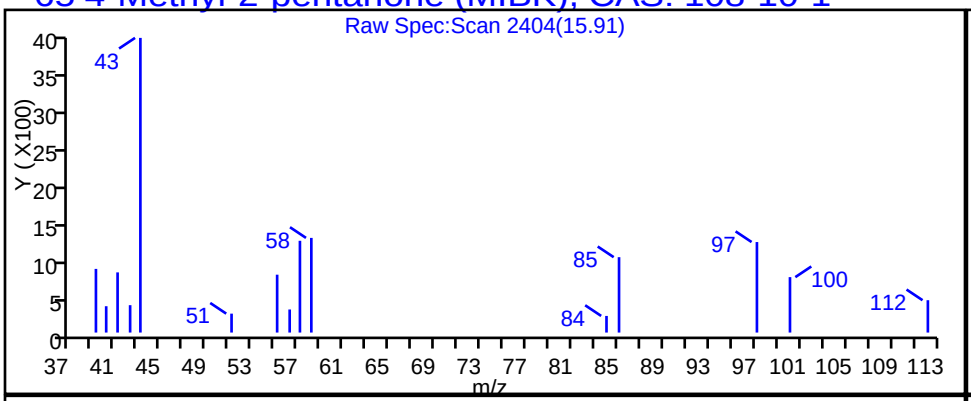
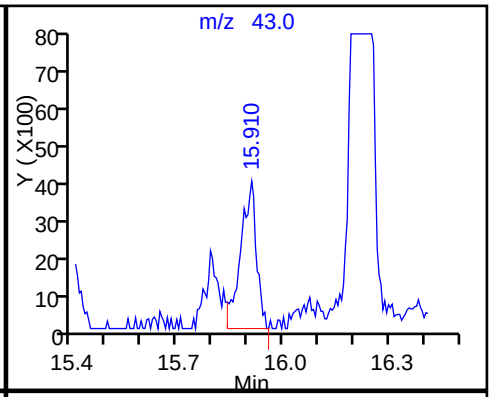
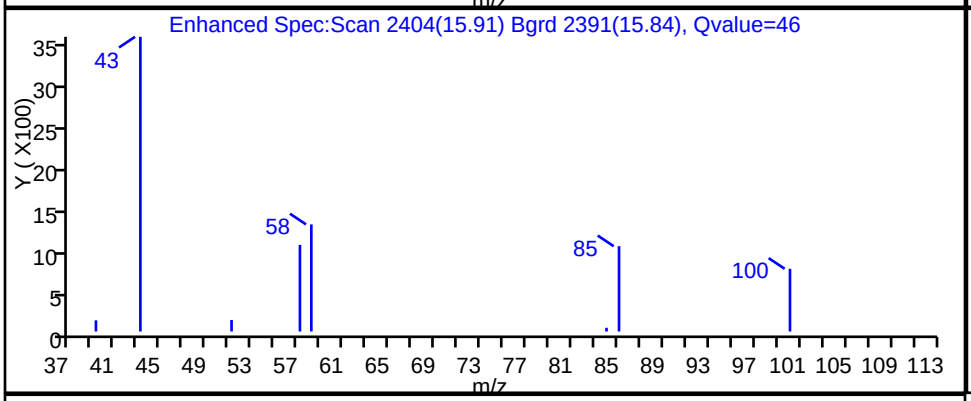
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

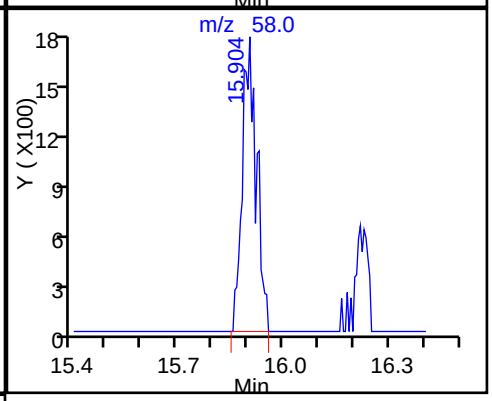
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

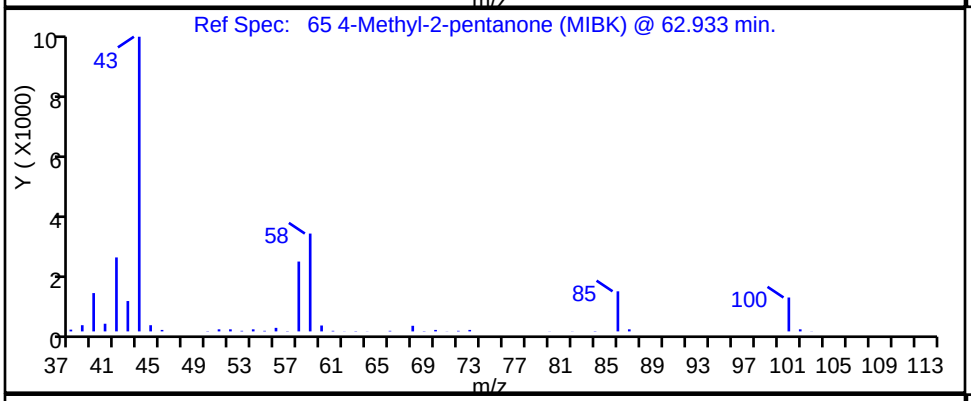
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

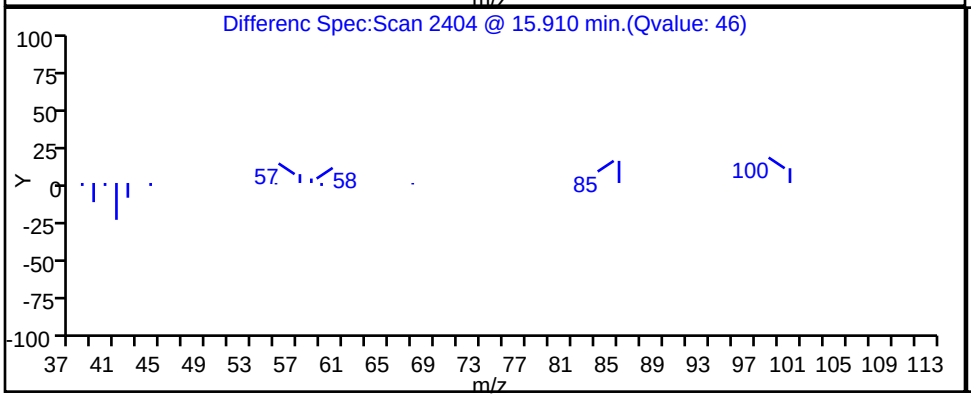


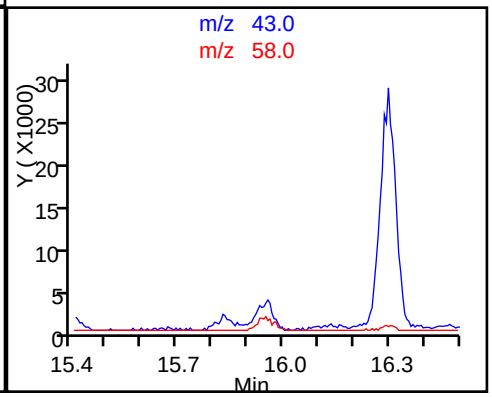












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TestAmerica Burlington

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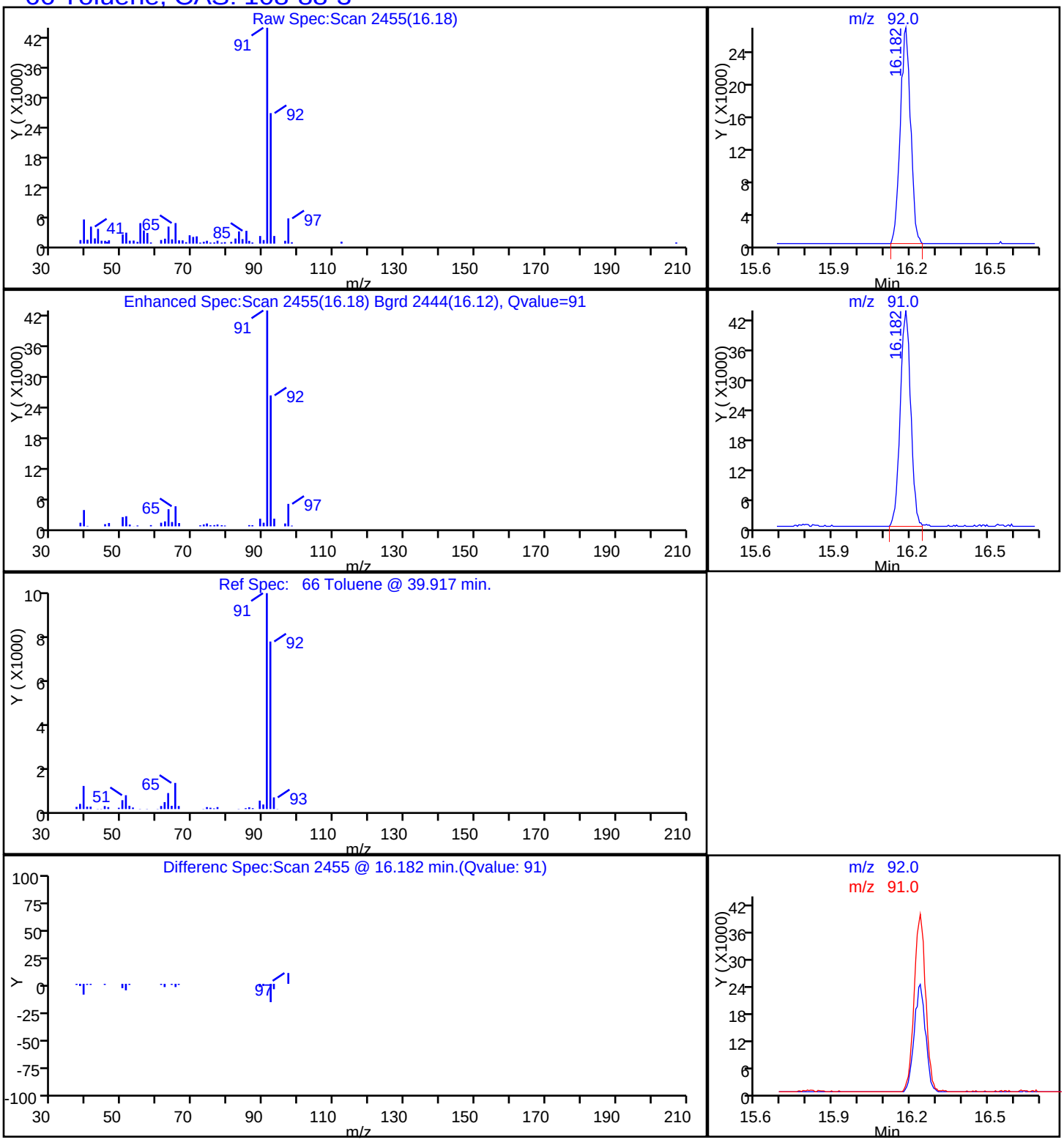
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



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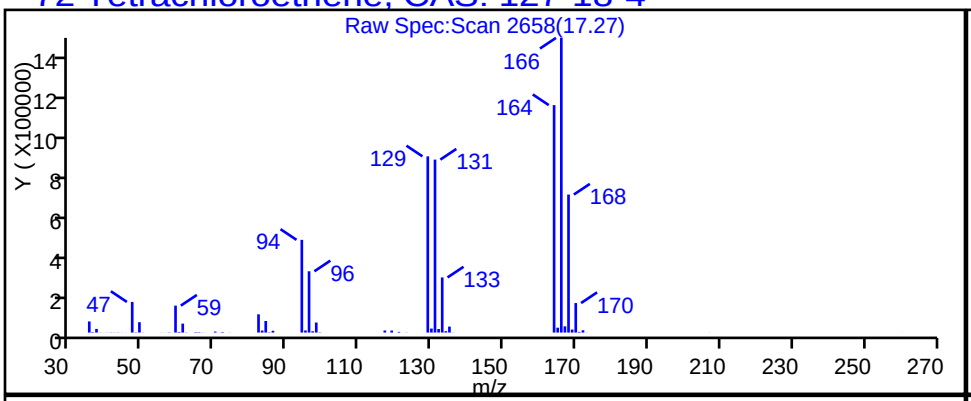
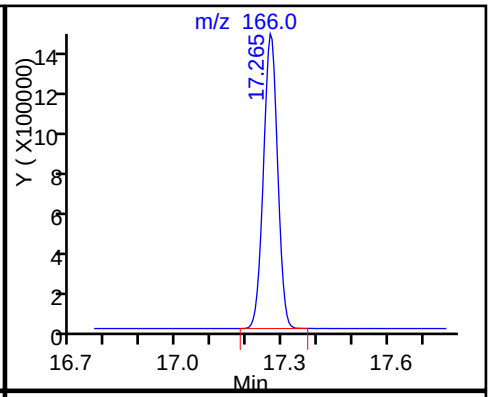
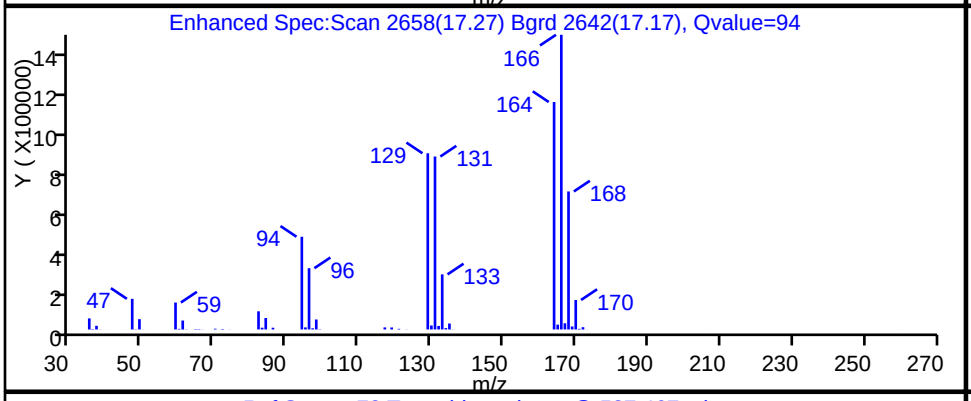
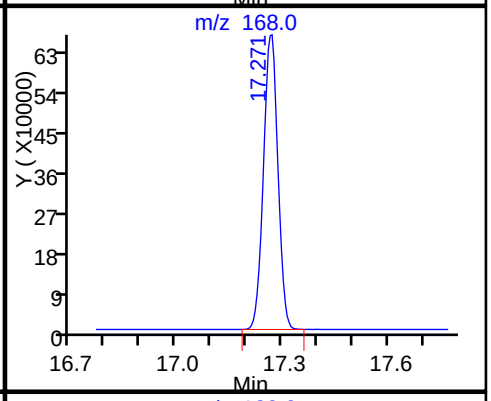
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

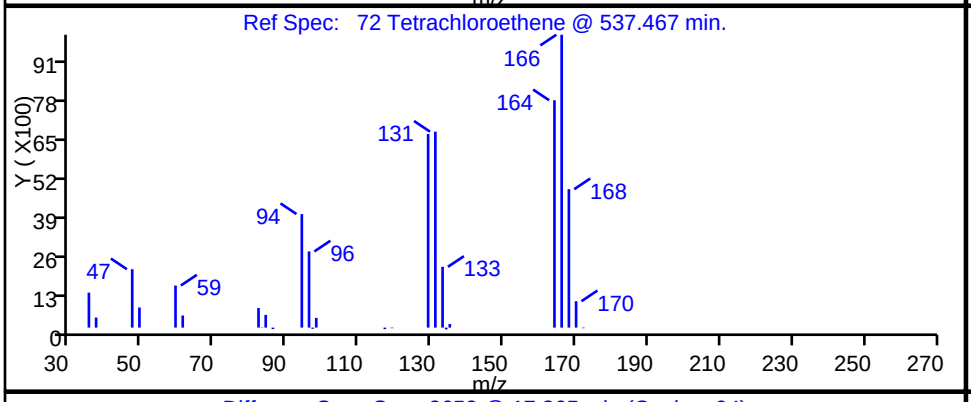
72 Tetrachloroethene, CAS: 127-18-4

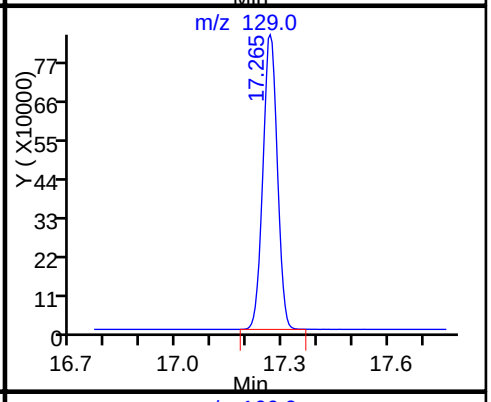


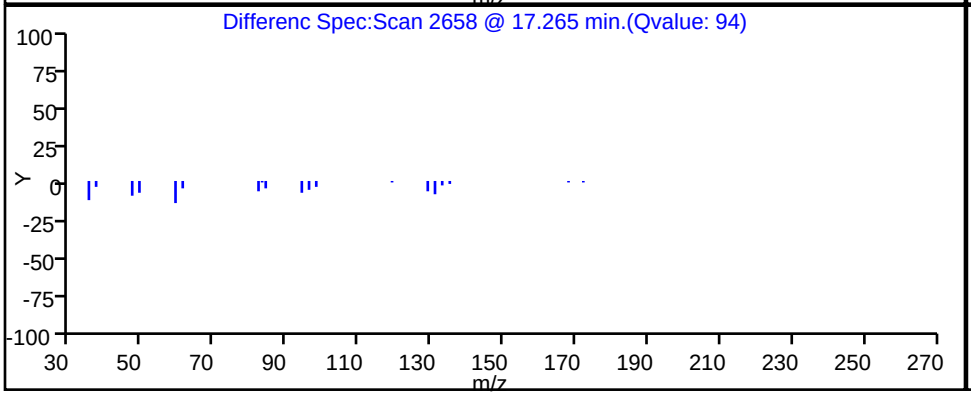


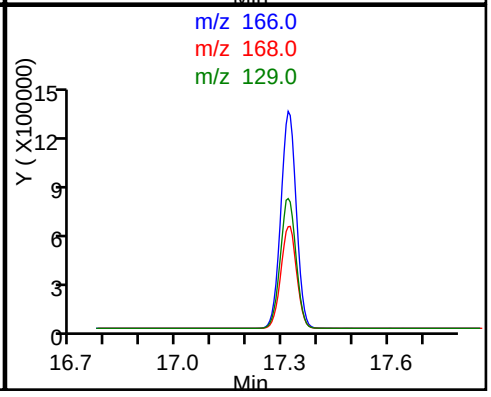












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TestAmerica Burlington

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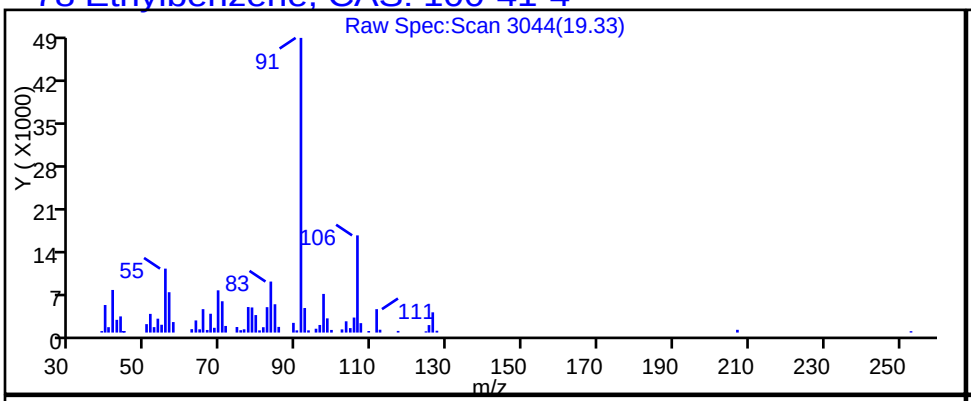
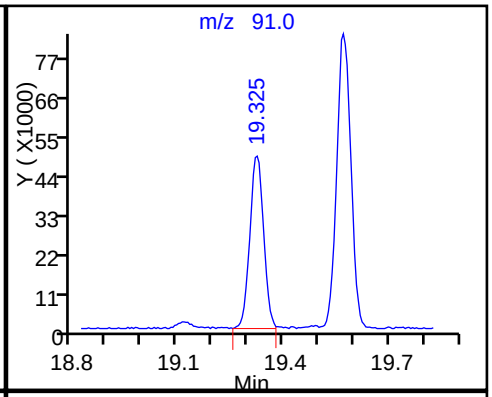
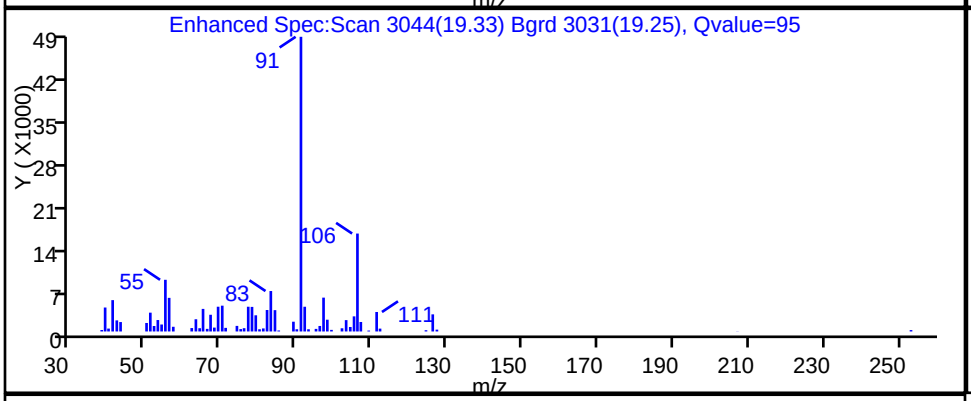
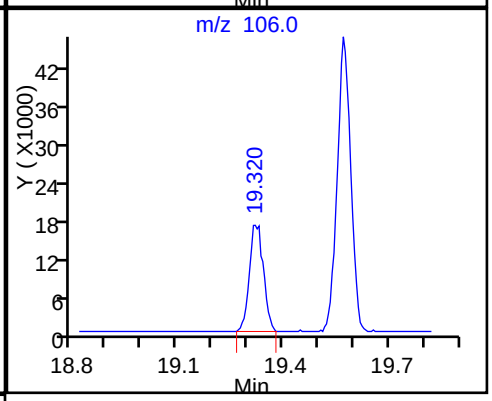
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

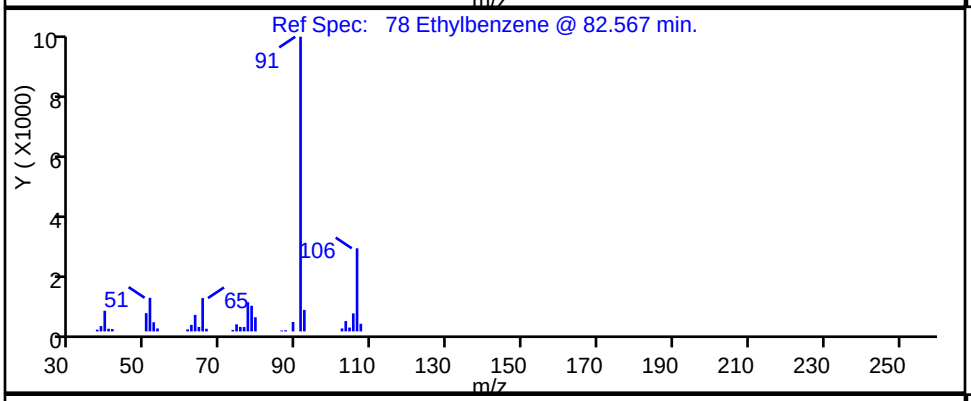
78 Ethylbenzene, CAS: 100-41-4

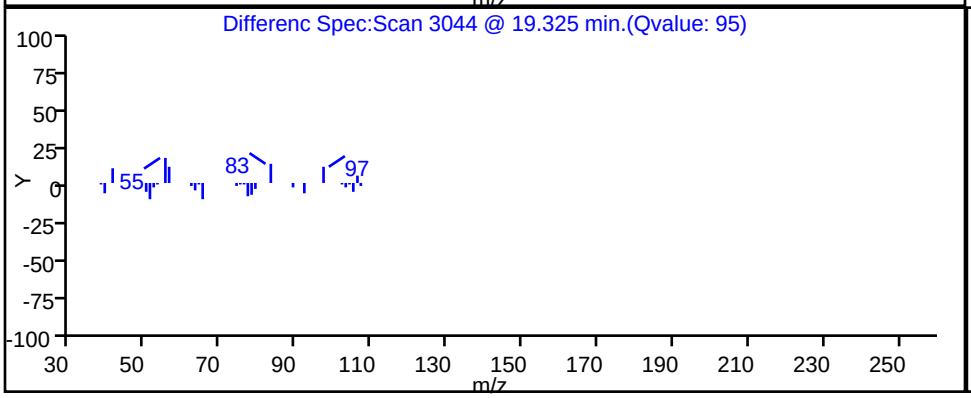


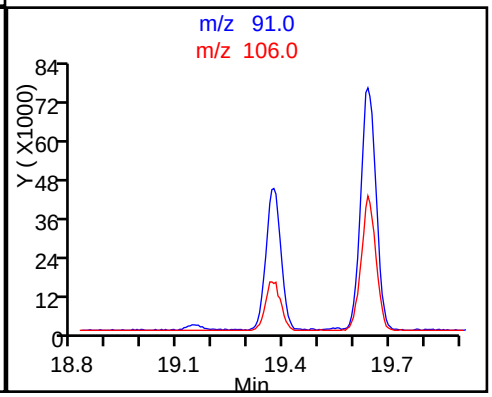










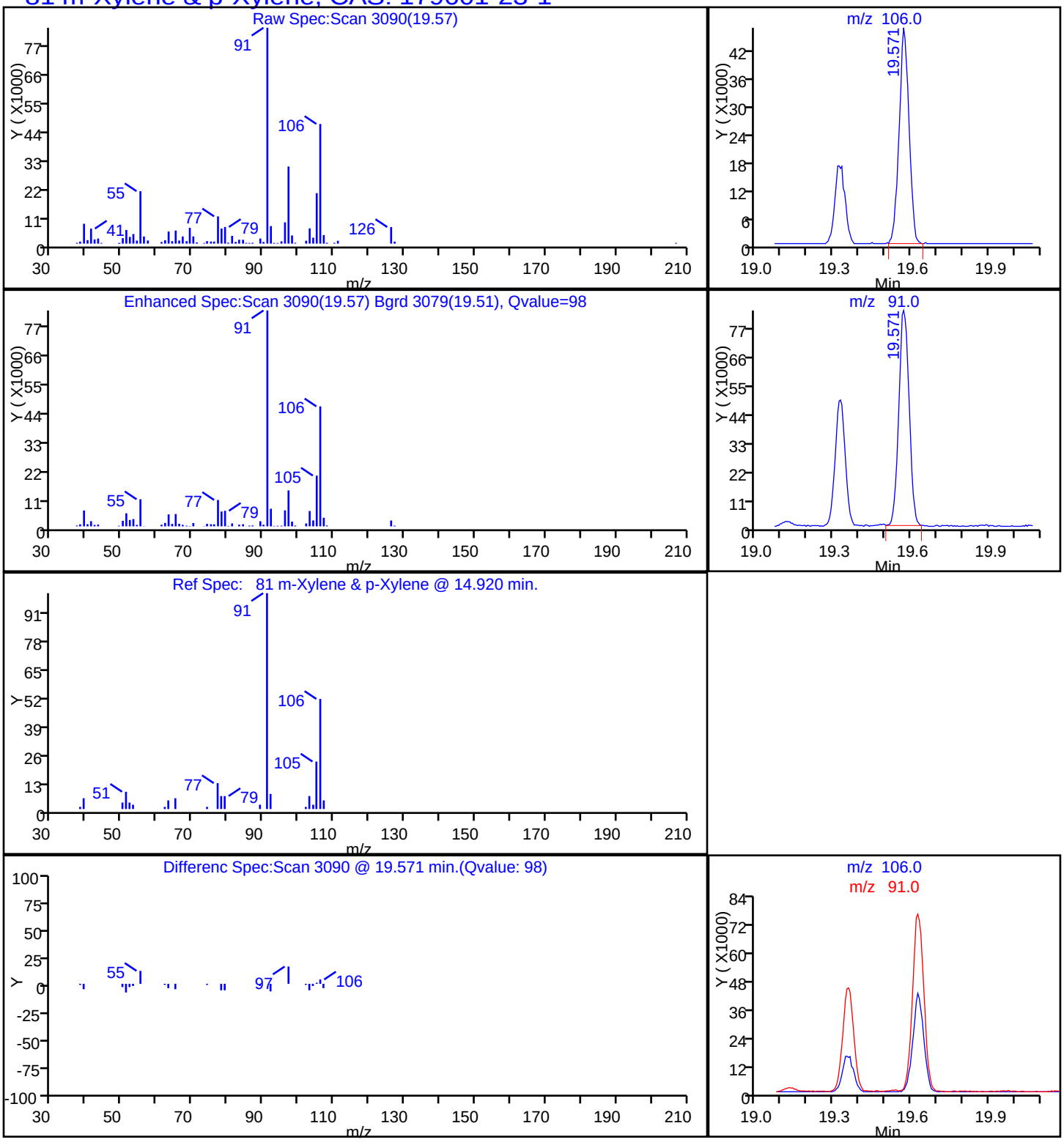


Report Date: 11-Apr-2014 11:00:14 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D				
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



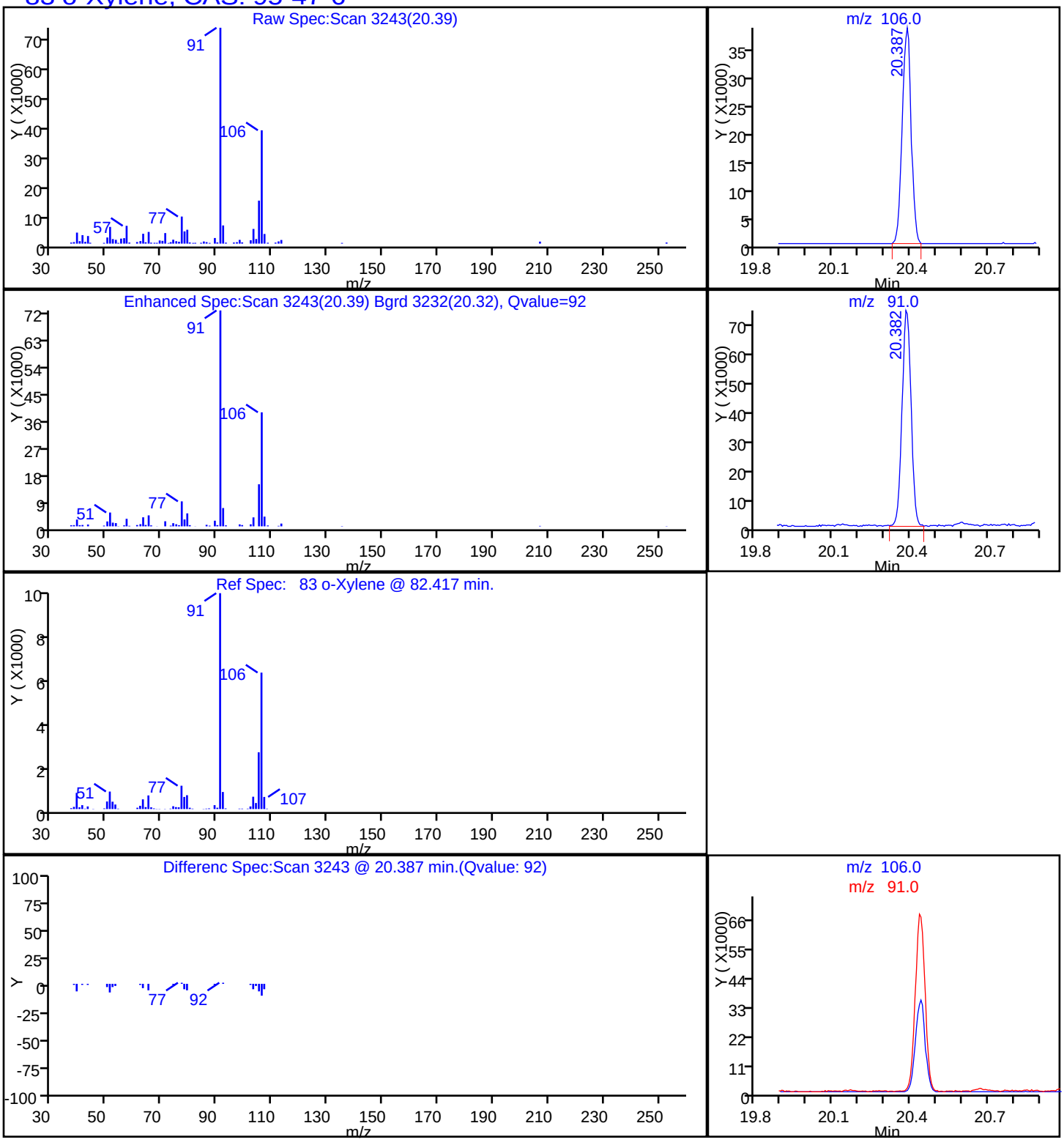
Report Date: 11-Apr-2014 11:00:14 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



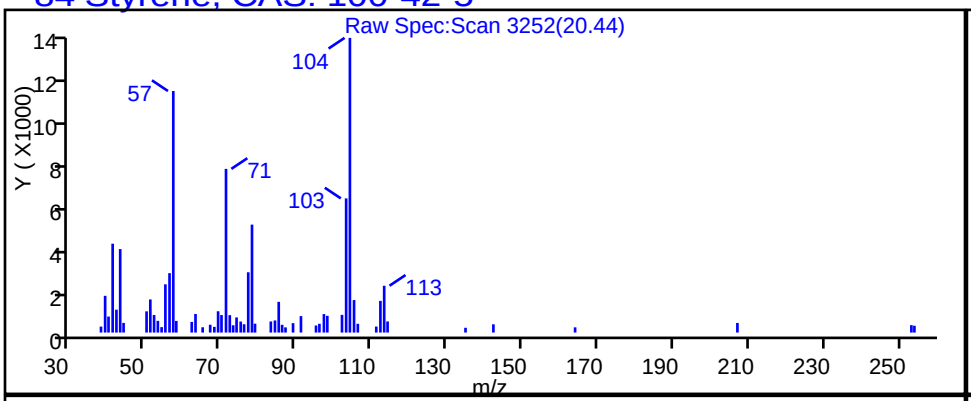
Report Date: 11-Apr-2014 11:00:14 Chrom Revision: 2.2 10-Apr-2014 15:11:30

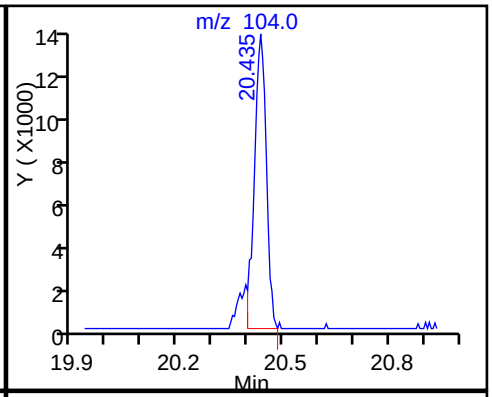
TestAmerica Burlington

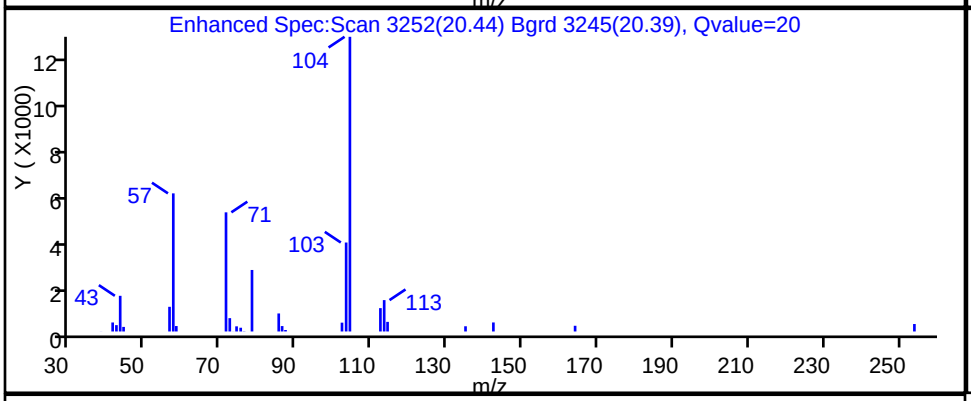
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

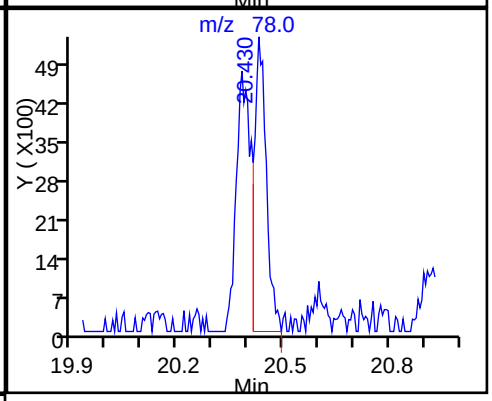
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

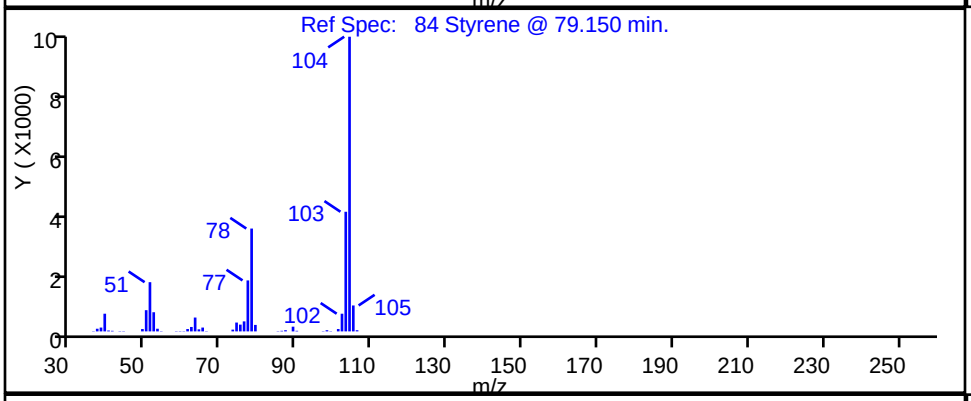
84 Styrene, CAS: 100-42-5

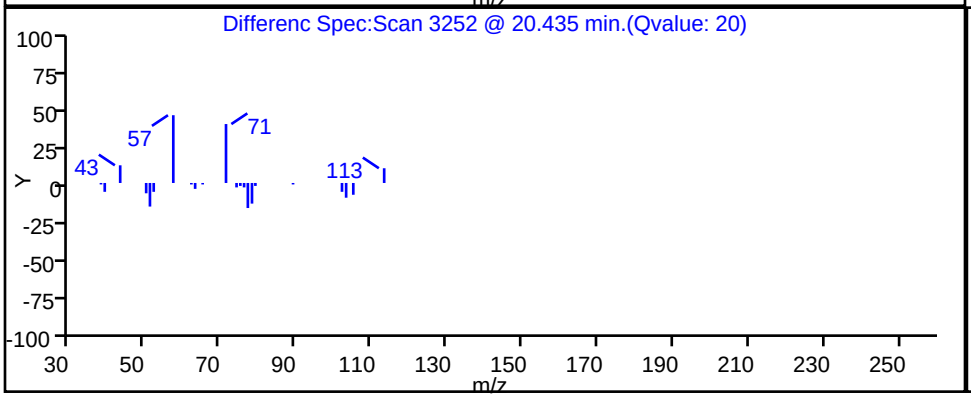


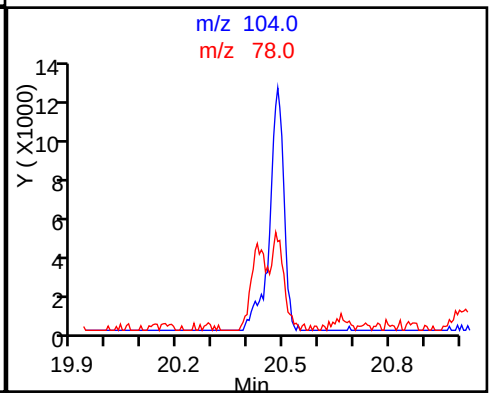












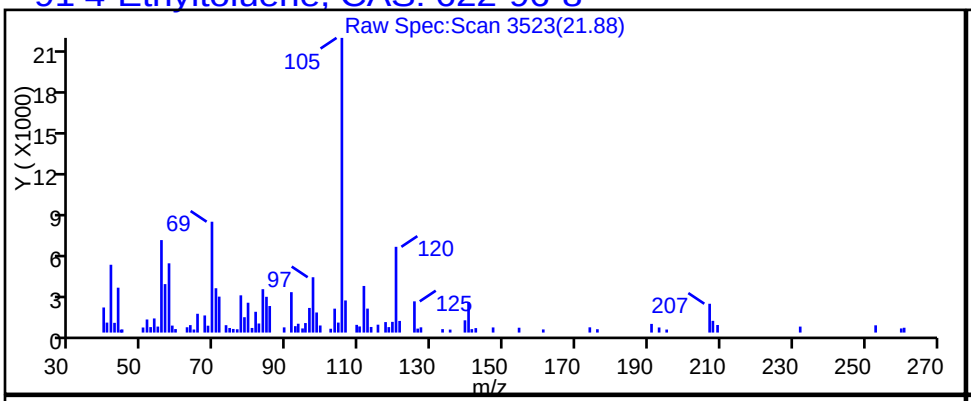
Report Date: 11-Apr-2014 11:00:14 Chrom Revision: 2.2 10-Apr-2014 15:11:30

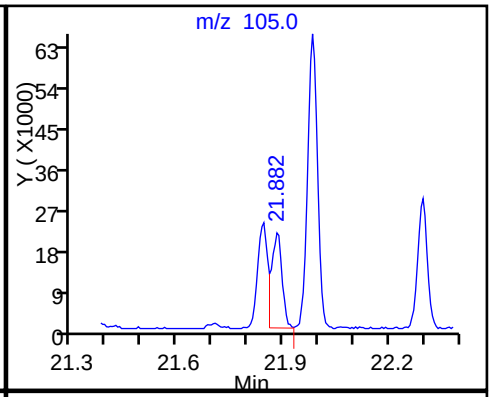
TestAmerica Burlington

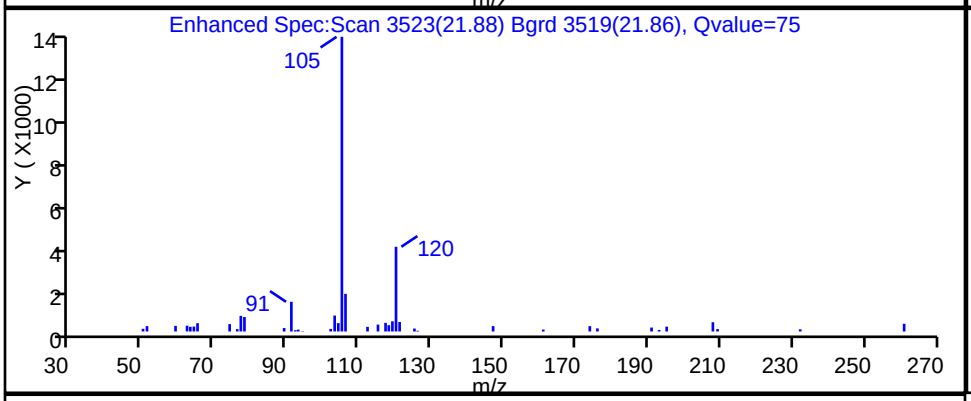
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

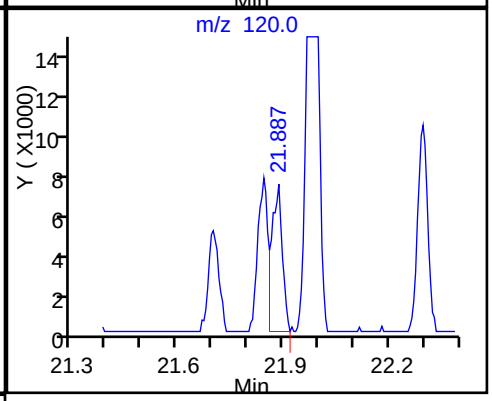
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

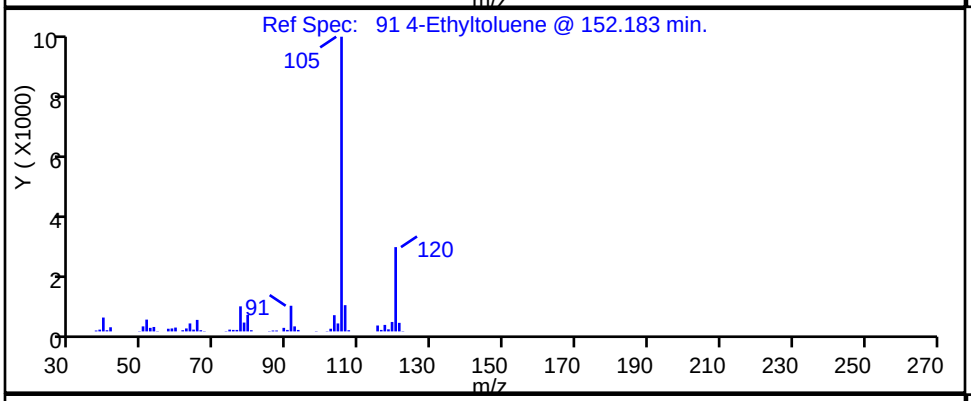
91 4-Ethyltoluene, CAS: 622-96-8

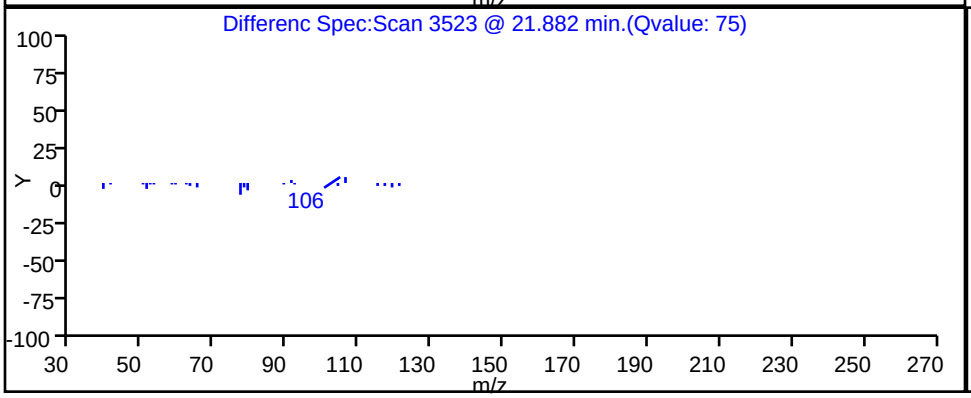


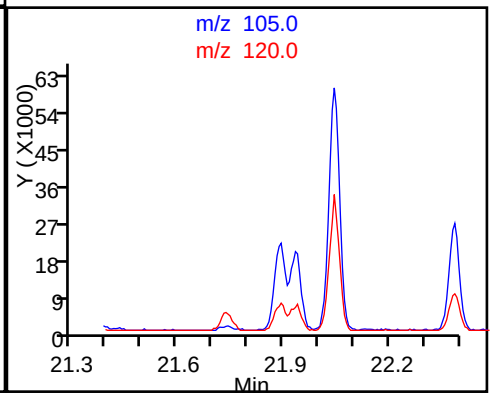












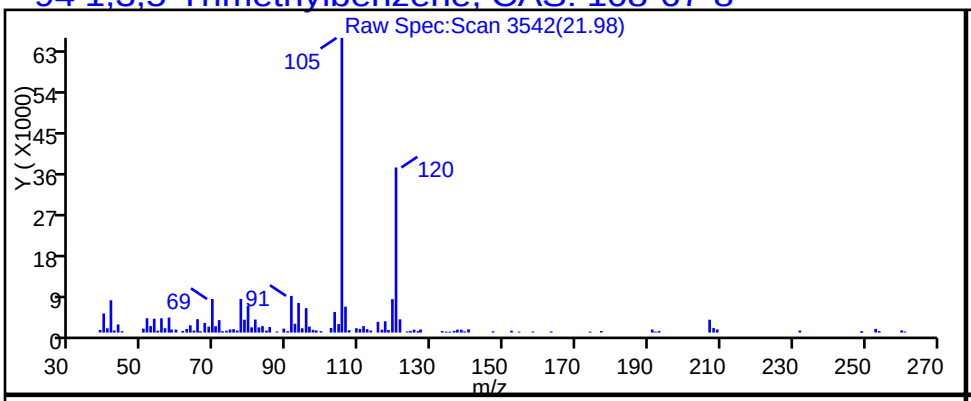
Report Date: 11-Apr-2014 11:00:14 Chrom Revision: 2.2 10-Apr-2014 15:11:30

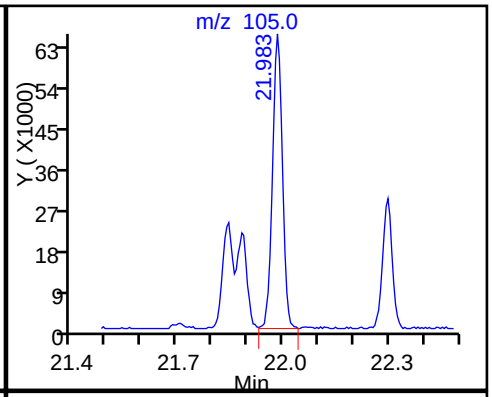
TestAmerica Burlington

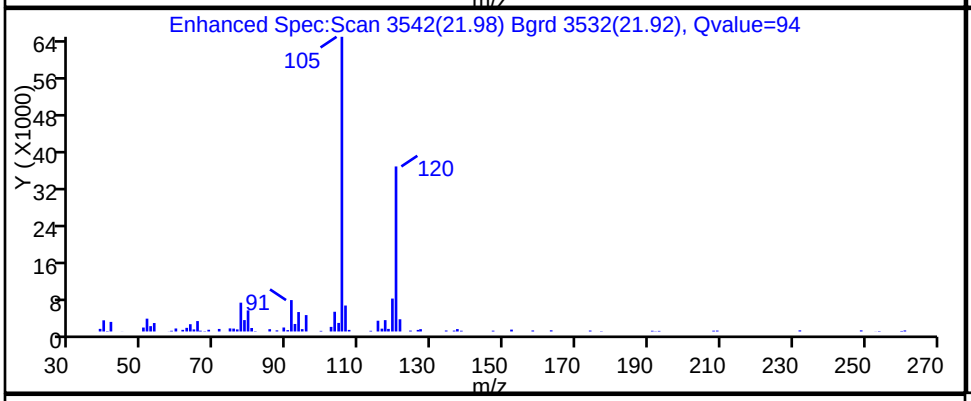
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

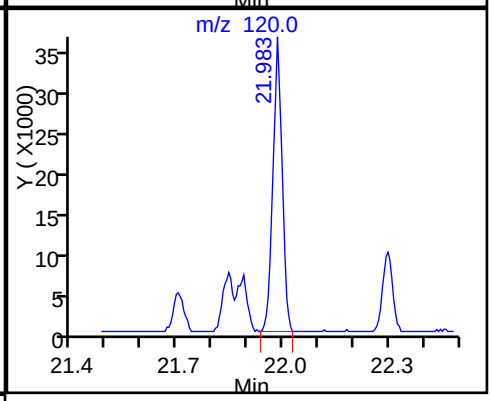
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

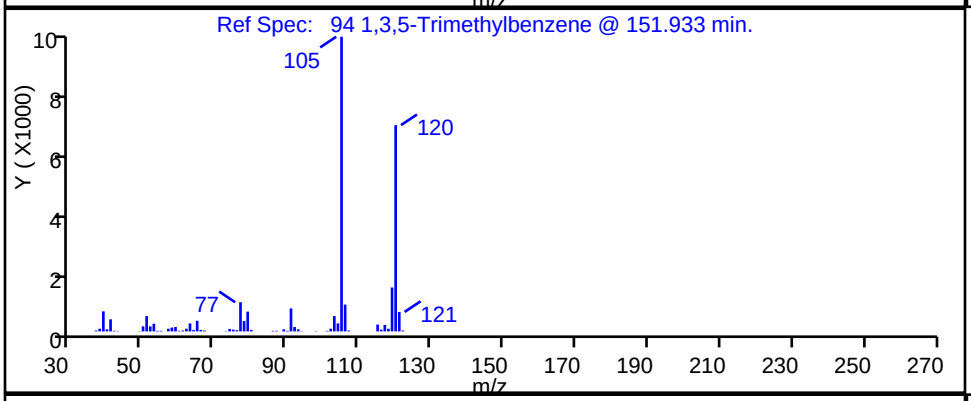
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

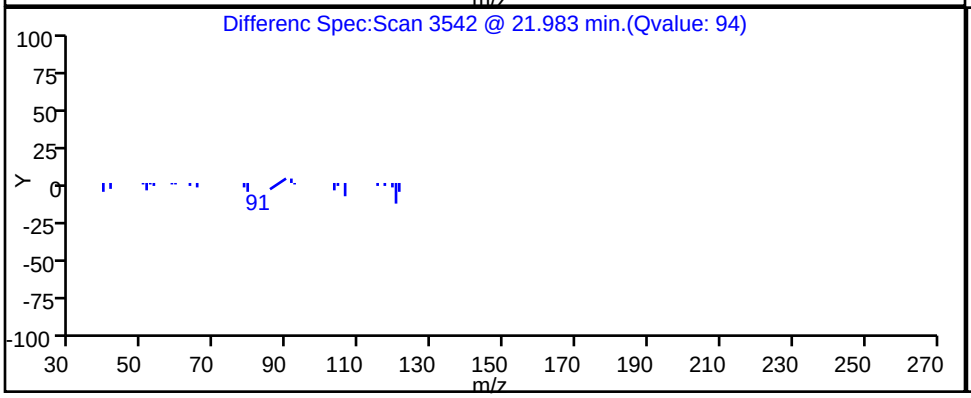


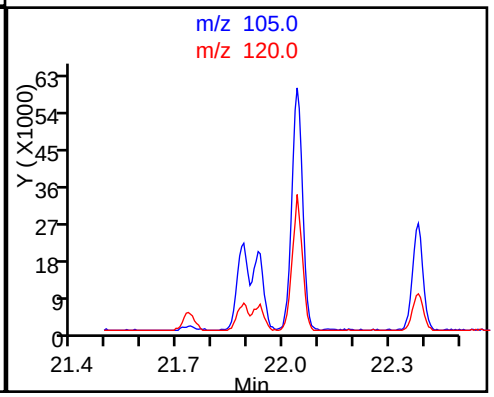












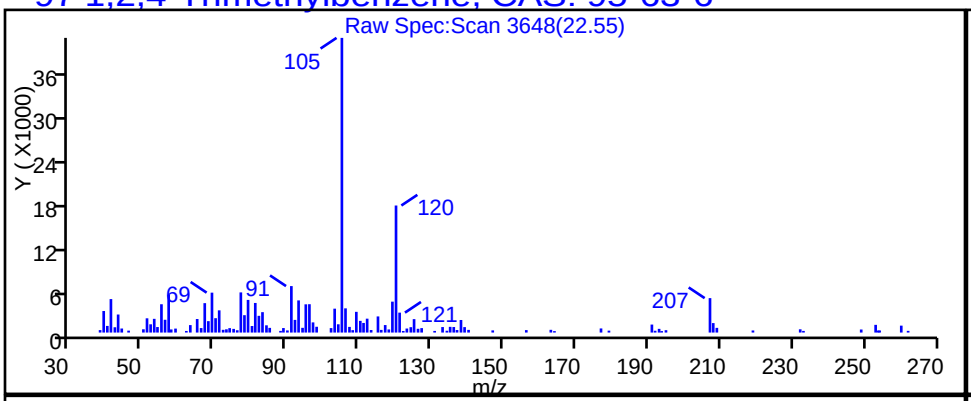
Report Date: 11-Apr-2014 11:00:14 Chrom Revision: 2.2 10-Apr-2014 15:11:30

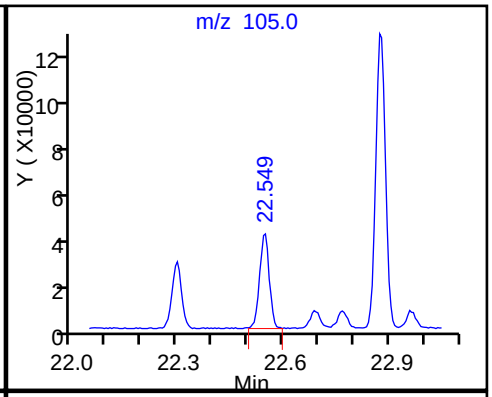
TestAmerica Burlington

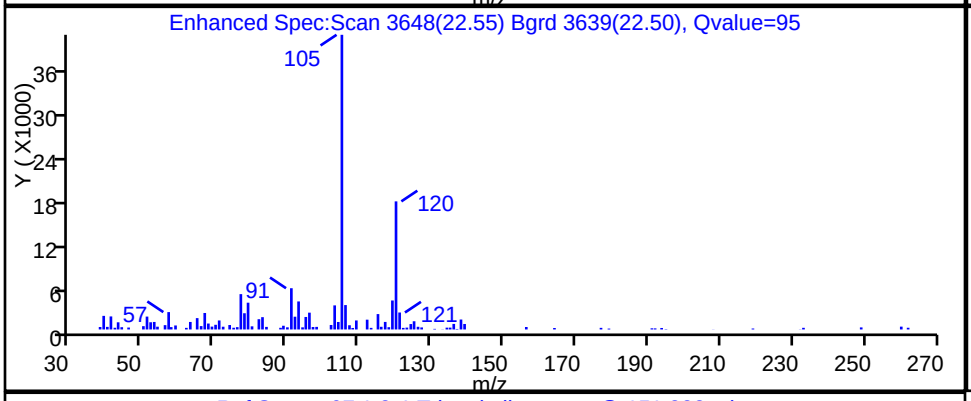
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

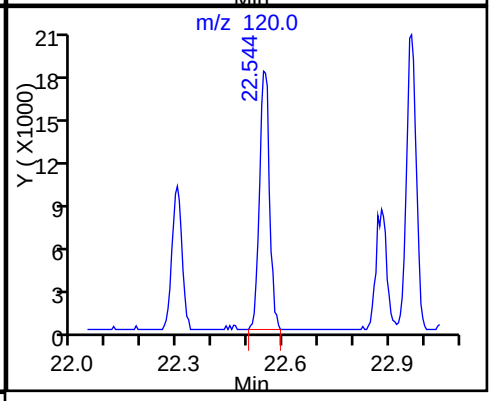
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

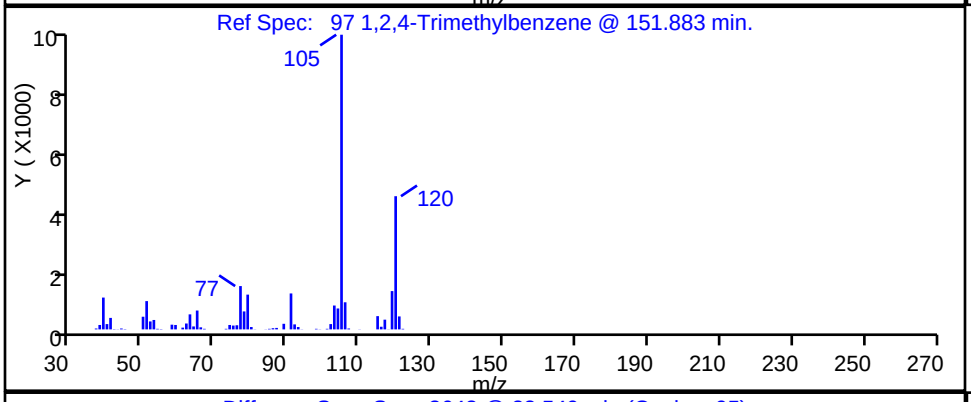
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

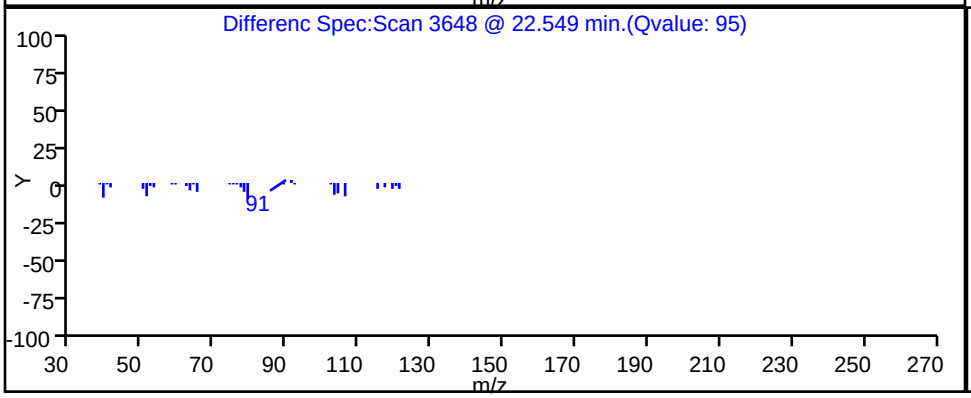


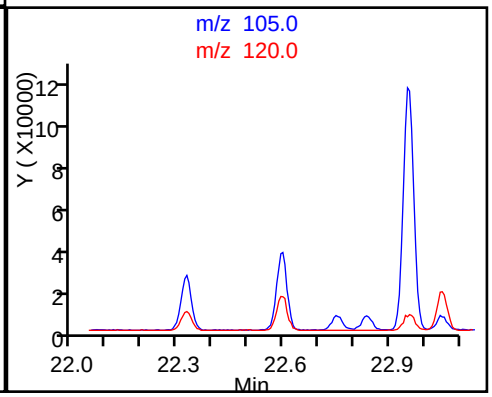












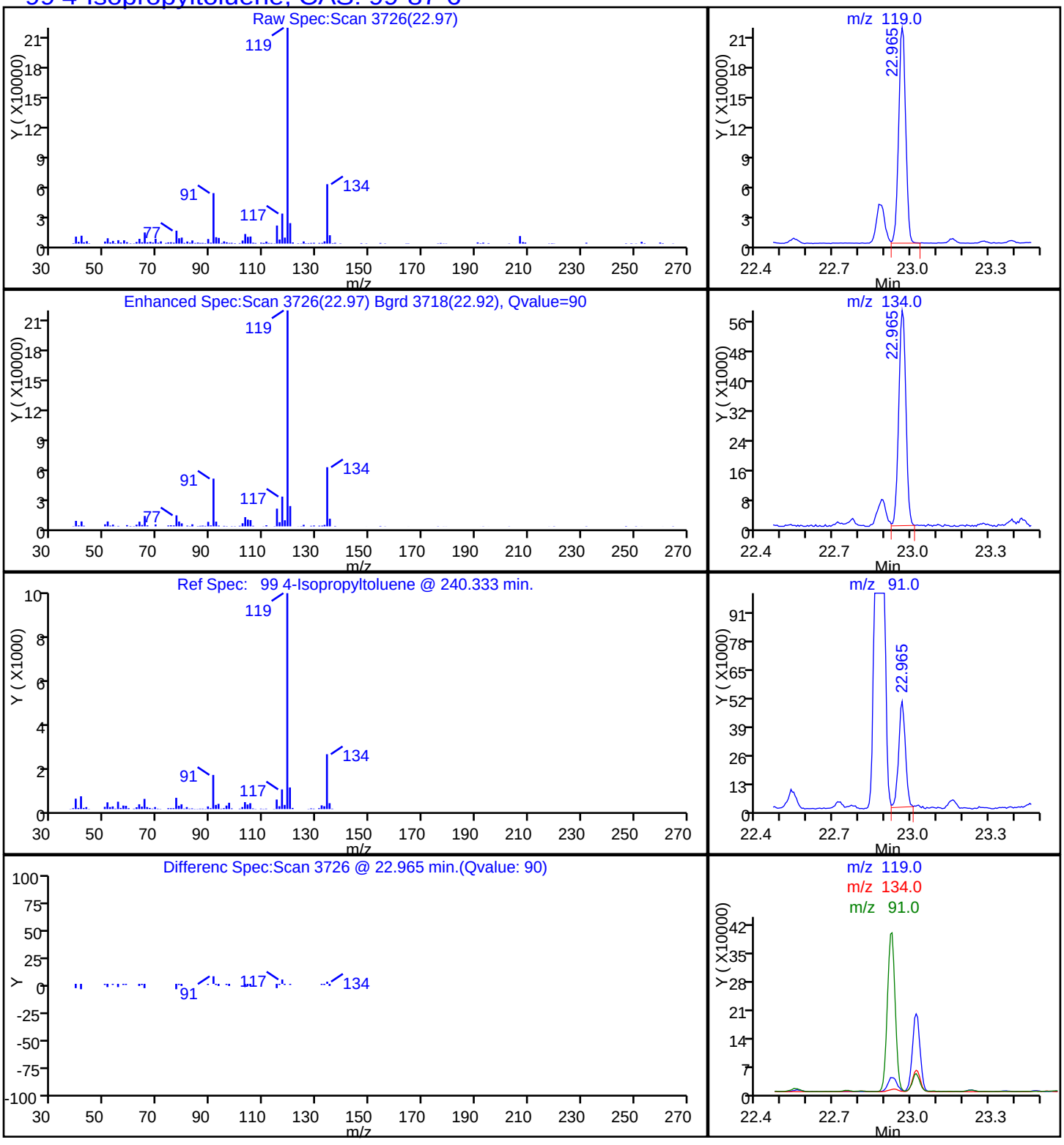
Report Date: 11-Apr-2014 11:00:14 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D

Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

99 4-Isopropyltoluene, CAS: 99-87-6



Manual Integration/User Assign Peak Report

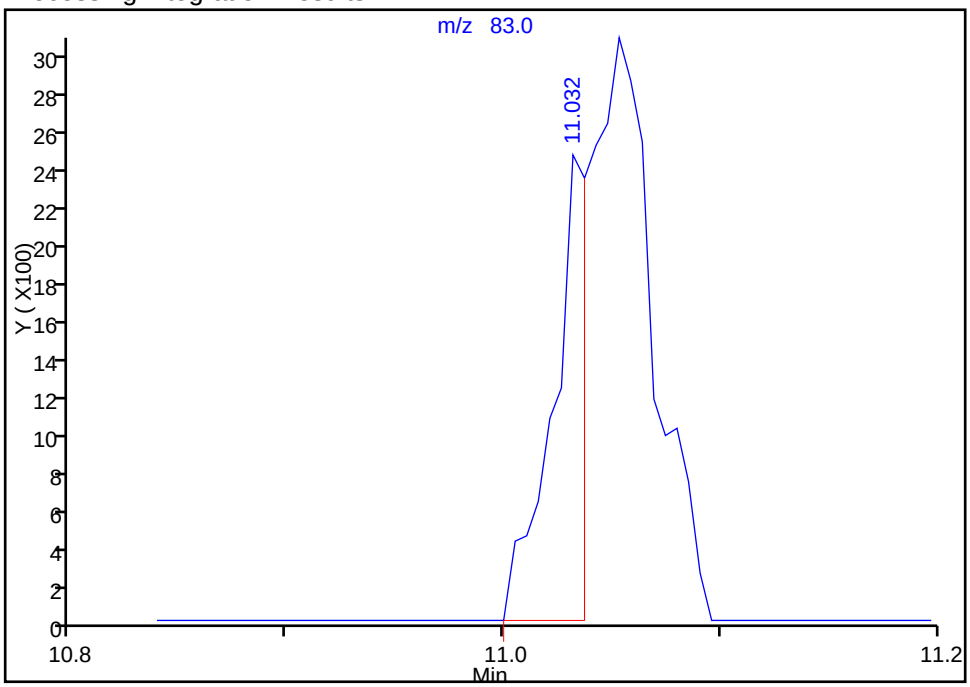
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D				
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3

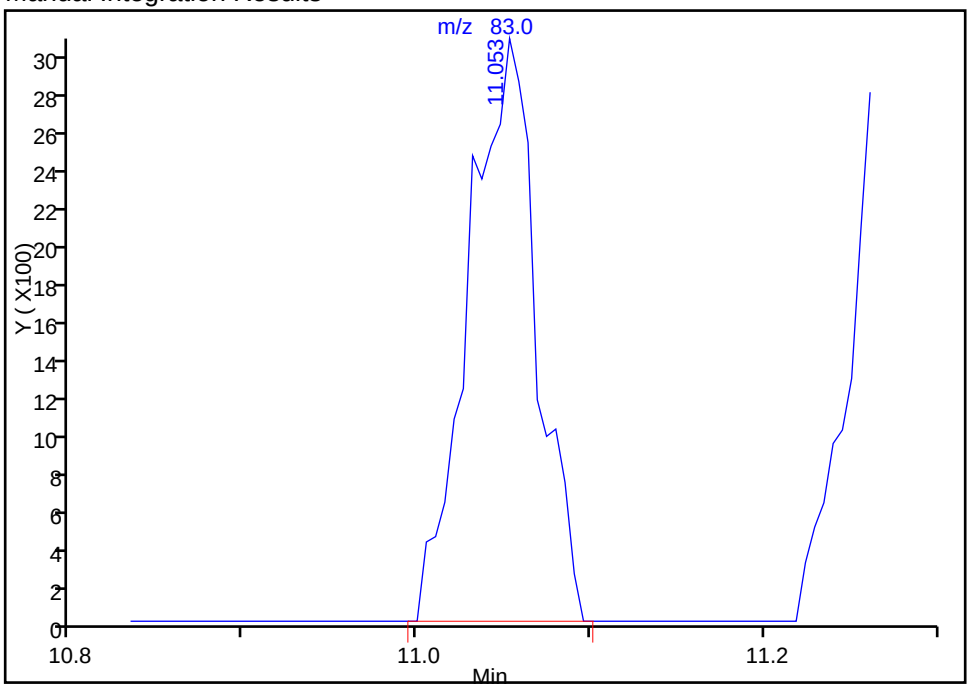
Processing Integration Results

RT: 11.03
Response: 2705
Amount: 0.023225



Manual Integration Results

RT: 11.05
Response: 8296
Amount: 0.071229



Reviewer: desjardinsb, 11-Apr-2014 11:00:12
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

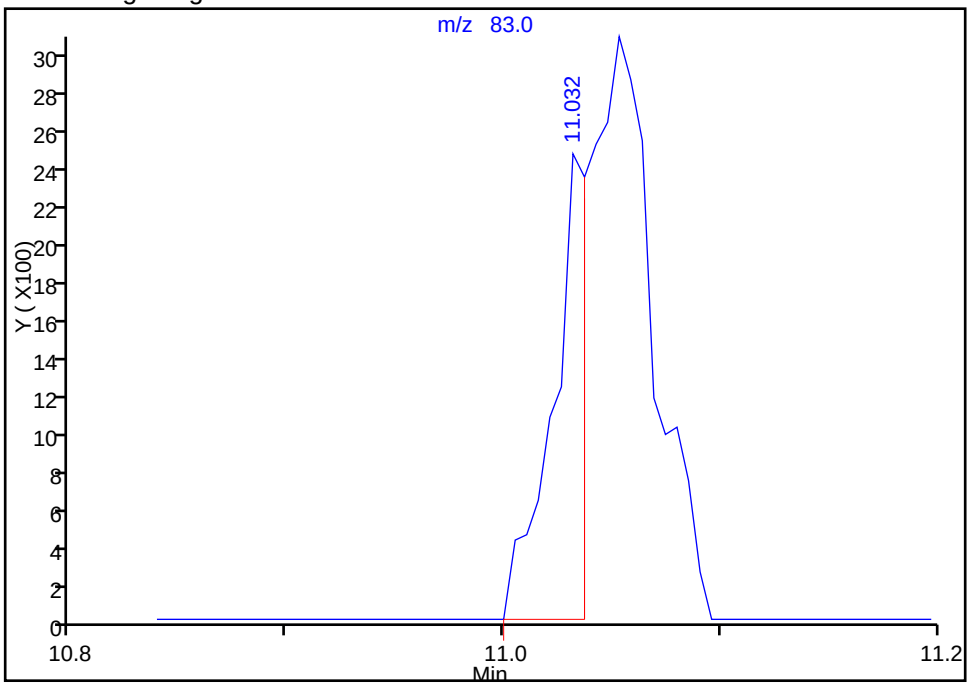
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_14.D				
Injection Date:	11-Apr-2014 00:42:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-7	Lab Sample ID:	200-21727-7		
Client ID:	SDS-4				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3

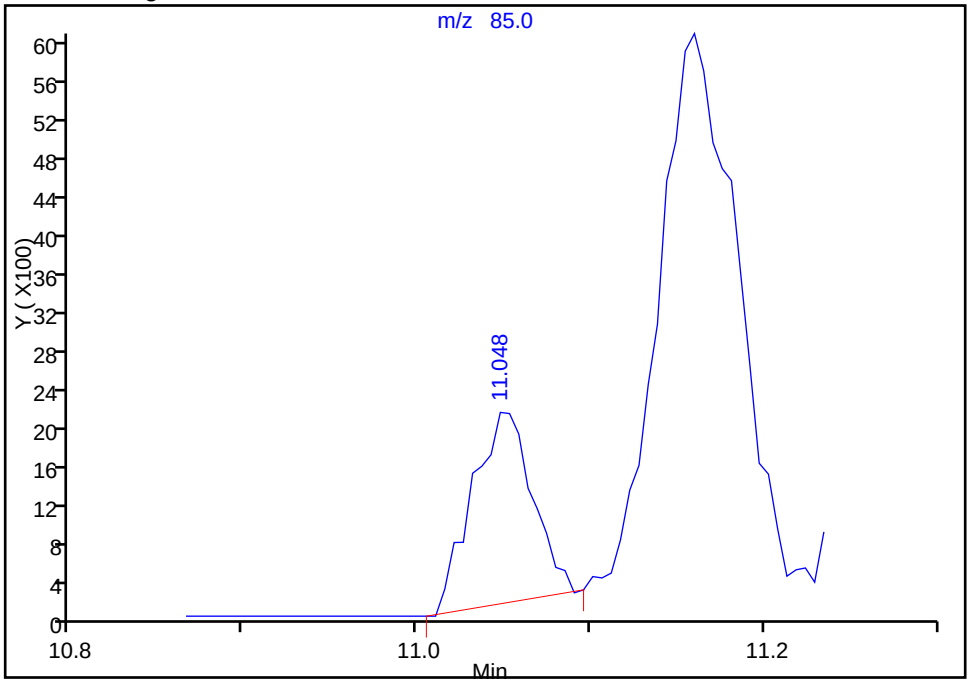
Processing Integration Results

RT: 11.05
Response: 0
Amount: 0.023225



Manual Integration Results

RT: 11.05
Response: 4773
Amount: 0.071229



Reviewer: desjardinsb, 11-Apr-2014 11:00:12
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-7 Lab Sample ID: 200-21727-8

Matrix: Air Lab File ID: 6977_15.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:30

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 01:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.47	J	0.50	0.030
75-45-6	Freon 22	86.47	0.60		0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.43	J	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.15	J	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.22		0.20	0.030
76-13-1	Freon 113	187.38	0.069	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	*Acetone*	*58.08*	*90*	*E*	*5.0*	*1.3*
67-63-0	*Isopropyl alcohol*	*60.10*	*85*	*E*	*5.0*	*0.22*
75-15-0	Carbon disulfide	76.14	10		0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	24		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	1.1		0.20	0.029
110-54-3	Hexane	86.17	1.2		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	13		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.059	J	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	1.2		0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	14		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.088	J	0.20	0.021
110-82-7	Cyclohexane	84.16	0.84		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.061		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.50		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	1.9		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-7 Lab Sample ID: 200-21727-8

Matrix: Air Lab File ID: 6977_15.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:30

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 01:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.32		0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.49	J	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	0.81	J	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.91		0.50	0.027
108-88-3	Toluene	92.14	3.3		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.60		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	1.0		0.20	0.013
179601-23-1	m,p-Xylene	106.17	3.8		0.50	0.023
95-47-6	Xylene, o-	106.17	1.2		0.20	0.016
1330-20-7	Xylene (total)	106.17	5.0		0.20	0.034
100-42-5	Styrene	104.15	0.096	J	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.41		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.68		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.72		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	3.9		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	6.9		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.096	J	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.026	J	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-7 Lab Sample ID: 200-21727-8

Matrix: Air Lab File ID: 6977_15.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:30

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 01:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.39	J	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-7 Lab Sample ID: 200-21727-8

Matrix: Air Lab File ID: 6977_15.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:30

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 01:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.3	J	2.5	0.15
75-45-6	Freon 22	86.47	2.1		1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	0.89	J	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	0.40	J	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.2		1.1	0.17
76-13-1	Freon 113	187.38	0.53	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	*Acetone*	*58.08*	*210*	*E*	*12*	*3.0*
67-63-0	*Isopropyl alcohol*	*60.10*	*210*	*E*	*12*	*0.53*
75-15-0	Carbon disulfide	76.14	32		1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	82		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	4.3		0.79	0.11
110-54-3	Hexane	86.17	4.2		0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	38		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.23	J	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	4.6		0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	41		15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	0.48	J	1.1	0.11
110-82-7	Cyclohexane	84.16	2.9		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.39		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	1.6		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	7.7		0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-7 Lab Sample ID: 200-21727-8

Matrix: Air Lab File ID: 6977_15.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:30

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 01:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.7		0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	J	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	2.9	J	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	3.7		2.0	0.11
108-88-3	Toluene	92.14	12		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	4.0		1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	4.3		0.87	0.056
179601-23-1	m,p-Xylene	106.17	17		2.2	0.10
95-47-6	Xylene, o-	106.17	5.1		0.87	0.069
1330-20-7	Xylene (total)	106.17	22		0.87	0.15
100-42-5	Styrene	104.15	0.41	J	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	2.0		0.98	0.39
622-96-8	4-Ethyltoluene	120.20	3.3		0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	3.6		0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	19		0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	38		1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	0.58	J	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	0.15	J	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-7 Lab Sample ID: 200-21727-8

Matrix: Air Lab File ID: 6977_15.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:30

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 01:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.1	J	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D
Lims ID: 200-21727-A-8 Lab Sample ID: 200-21727-8
Client ID: SDS-7
Sample Type: Client
Inject. Date: 11-Apr-2014 01:34:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006977-015
Misc. Info.: 21727-8
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 11:04:55 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 11:04:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.256	3.256	0.000	83	66103	0.4706	
6 Chlorodifluoromethane	51	3.320	3.315	0.005	69	28430	0.6021	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50	3.699	3.699	0.000	93	9994	0.4303	
9 Butane	43		3.912					
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64	5.054	5.049	0.005	36	2286	0.1511	
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101	5.567	5.567	0.000	79	38442	0.2209	
23 1,1,2-Trichloro-1,2,2-trif	101	6.719	6.714	0.005	46	7219	0.0687	
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43	7.029	7.034	-0.005	88	3627667	89.6	E
26 Carbon disulfide	76	7.141	7.141	0.000	98	1030054	10.3	
27 Isopropyl alcohol	45	7.365	7.355	0.010	98	2519335	84.8	E
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.899	7.894	0.005	76	691861	23.7	
32 2-Methyl-2-propanol	59		8.155					
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61	8.342	8.342	0.000	72	53122	1.09	
36 Hexane	57	8.731	8.732	-0.001	74	55703	1.20	
37 1,1-Dichloroethane	63		9.260					
S 41 1,2-Dichloroethene, Total	61				0		1.15	
39 cis-1,2-Dichloroethene	96	10.413	10.423	-0.006	20	3638	0.0590	M
40 2-Butanone (MEK)	72	10.493	10.498	-0.005	98	295691	12.8	
* 43 Chlorobromomethane	128	10.909	10.909	0.000	63	545260	10.0	
44 Tetrahydrofuran	42	10.914	10.925	-0.011	76	414096	14.1	
45 Chloroform	83		11.048					
46 Cyclohexane	84	11.282	11.283	-0.001	50	63994	0.8439	
47 1,1,1-Trichloroethane	97	11.320	11.336	-0.005	29	14338	0.0882	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.581	11.581	0.000	75	12184	0.0615	
51 Isooctane	57		12.035					
50 Benzene	78	12.083	12.083	0.000	92	86742	0.4995	
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43	12.446	12.451	-0.005	78	127758	1.89	M
* 54 1,4-Difluorobenzene	114	12.974	12.980	-0.006	91	2926191	10.0	
56 Trichloroethene	95	13.460	13.460	0.000	88	34273	0.3214	
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69	14.239	14.234	0.005	73	31104	0.4950	
60 1,4-Dioxane	88	14.314	14.303	0.011	45	24692	0.8116	
62 Dichlorobromomethane	83		14.629					
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43	15.894	15.894	0.000	89	88773	0.9139	
66 Toluene	92	16.182	16.182	0.000	93	566308	3.31	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166	17.265	17.265	0.000	90	131153	0.5953	
73 2-Hexanone	43		17.639					
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	80	3000506	10.0	
77 Chlorobenzene	112		19.181					
78 Ethylbenzene	91	19.325	19.325	0.000	95	401656	1.00	
81 m-Xylene & p-Xylene	106	19.576	19.576	0.000	99	667069	3.83	
S 82 Xylenes, Total	106				0		5.01	
83 o-Xylene	106	20.387	20.387	0.000	95	200535	1.18	
84 Styrene	104	20.435	20.435	0.000	1	25222	0.0959	
85 Bromoform	173		20.836					
$ 87 4-Bromofluorobenzene	95	21.375	21.375	-0.001	94	2005481	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91	21.705	21.706	-0.001	99	225948	0.4080	
91 4-Ethyltoluene	105	21.882	21.882	0.000	87	343061	0.6757	
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105	21.983	21.983	0.000	90	325496	0.7241	
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105	22.549	22.549	0.000	95	1765871	3.86	
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119	22.965	22.965	0.000	92	4053396	6.95	
100 1,3-Dichlorobenzene	146	23.008	23.008	0.000	3	36435	0.0962	
101 1,4-Dichlorobenzene	146	23.141	23.141	0.000	12	9757	0.0256	
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
105 1,2-Dichlorobenzene	146		23.696					
107 1,2,4-Trichlorobenzene	180		26.322					
108 Hexachlorobutadiene	225		26.509					
109 Naphthalene	128	26.850	26.850	0.000	96	214488	0.3932	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

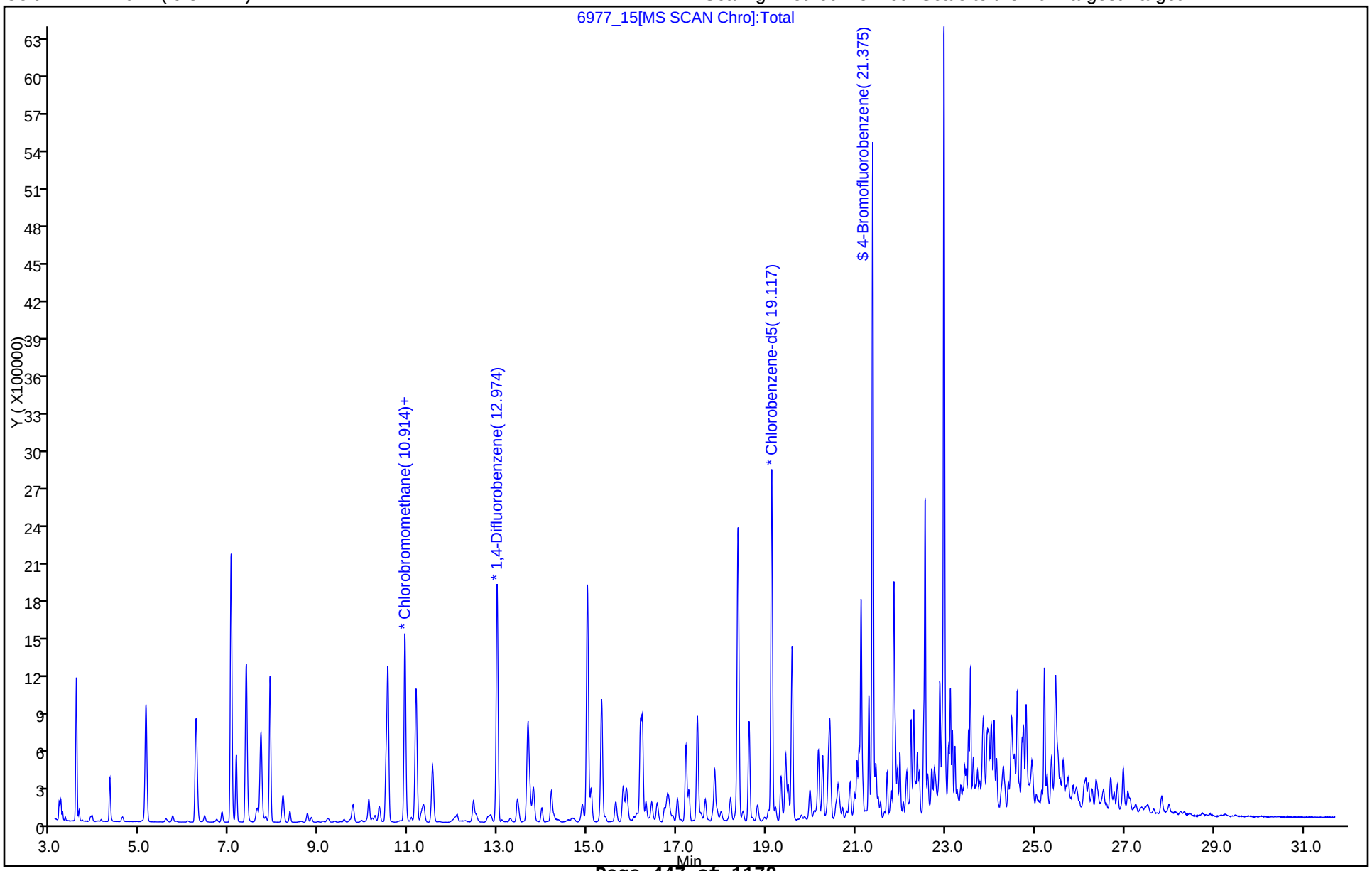
Report Date: 11-Apr-2014 11:04:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8	Worklist Smp#:	15
Client ID:	SDS-7				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



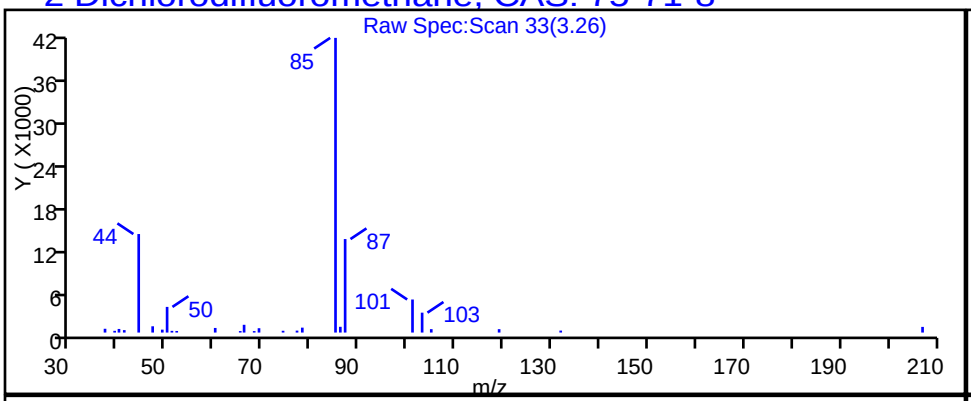
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

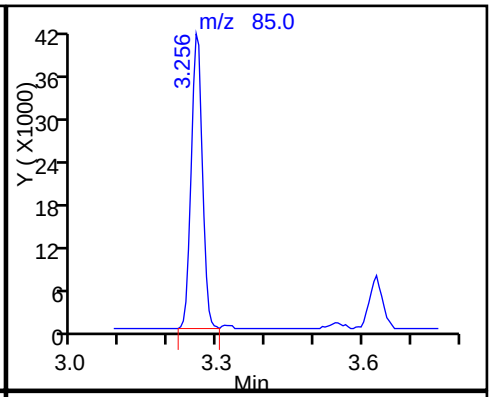
TestAmerica Burlington

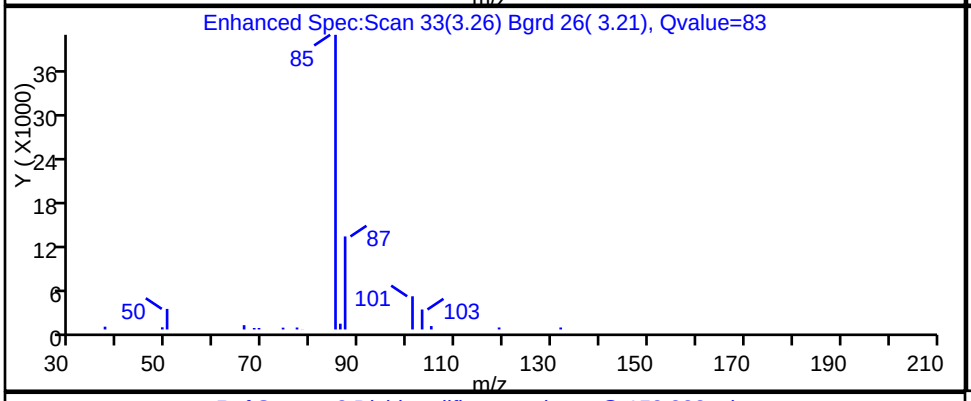
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

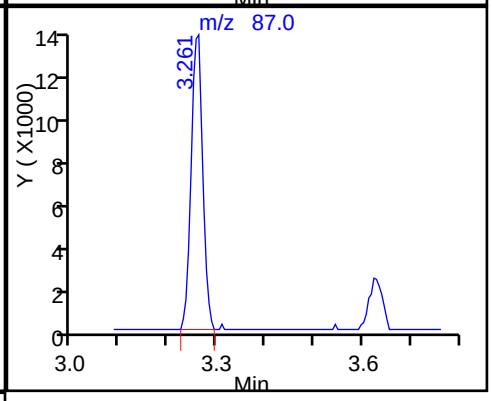
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

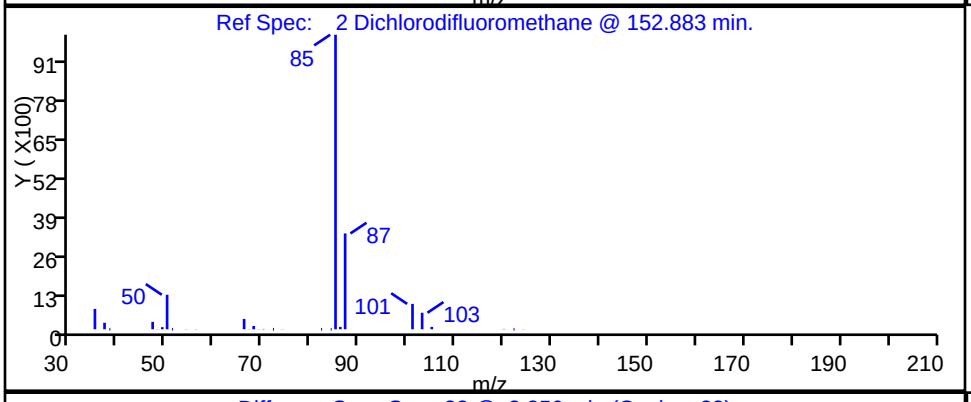
2 Dichlorodifluoromethane, CAS: 75-71-8

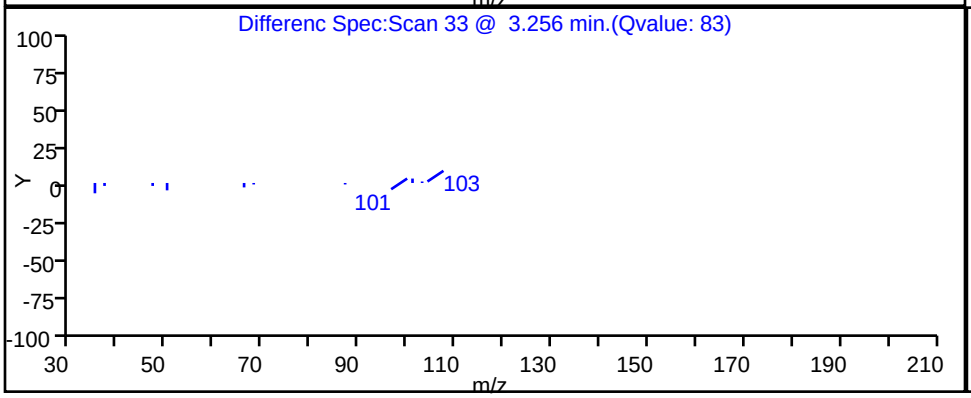


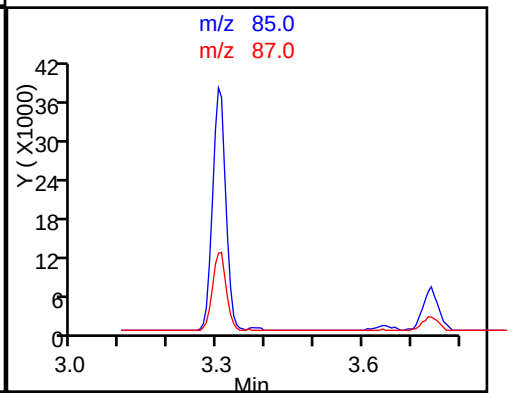












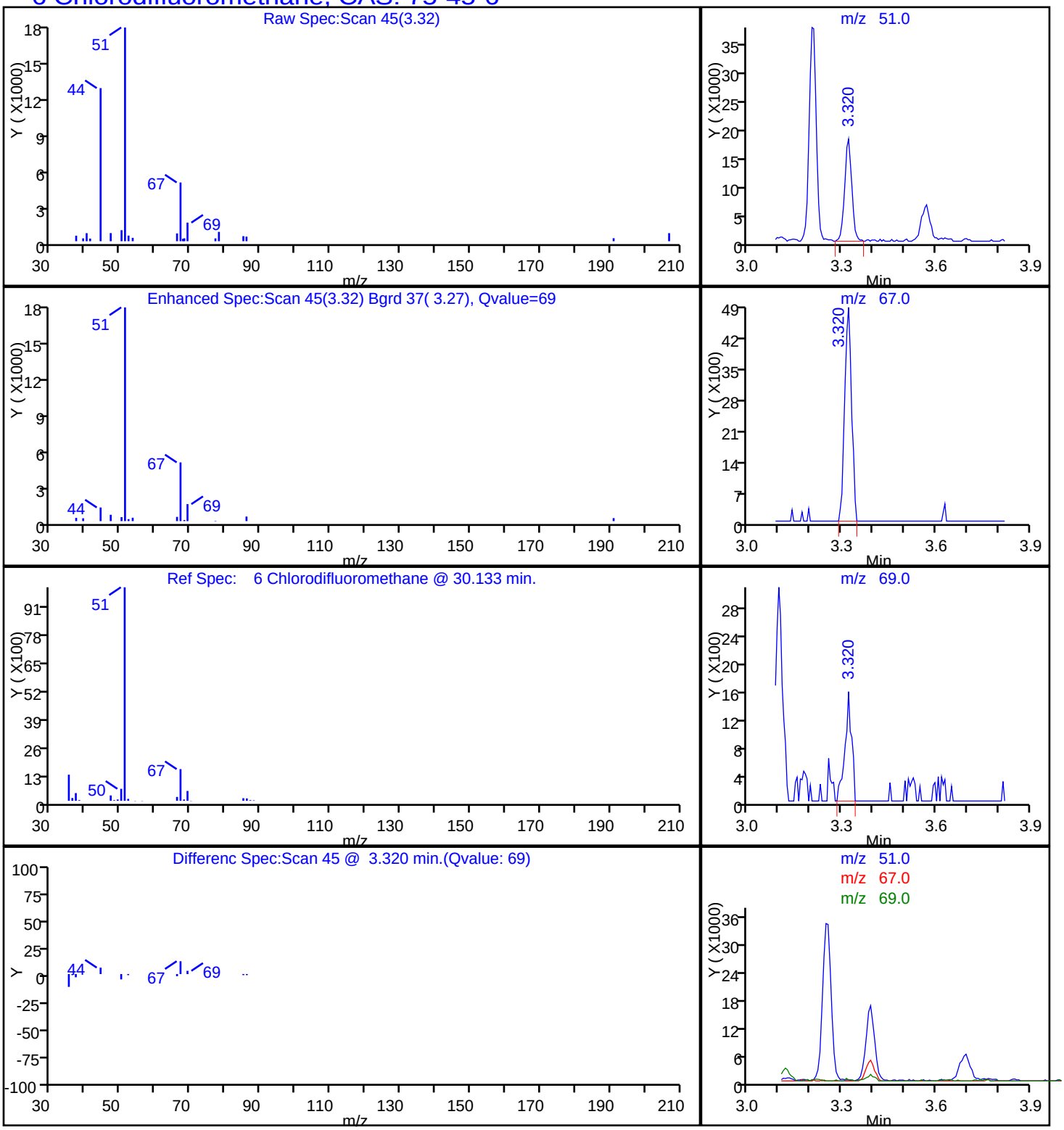
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



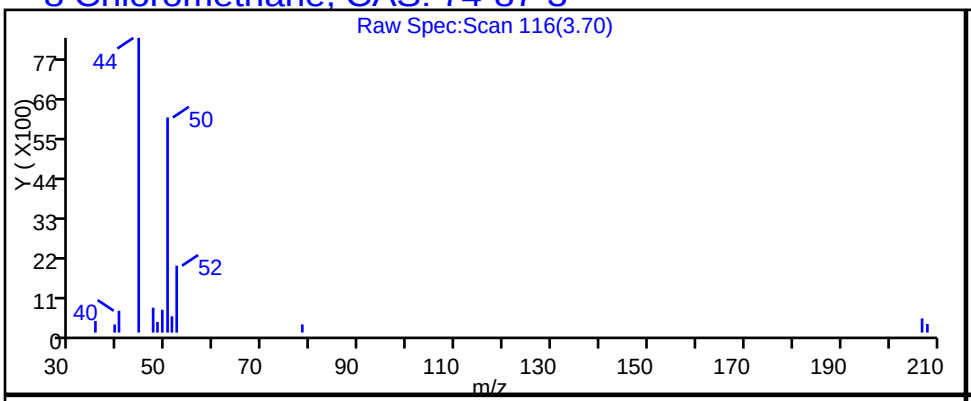
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

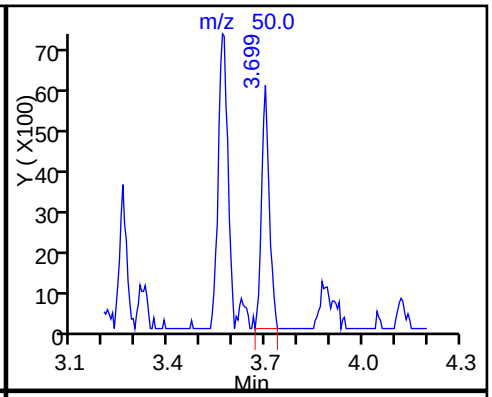
TestAmerica Burlington

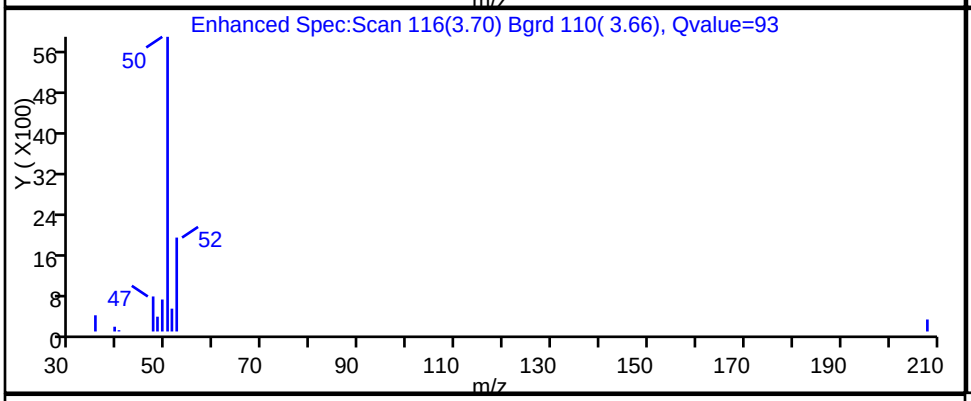
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

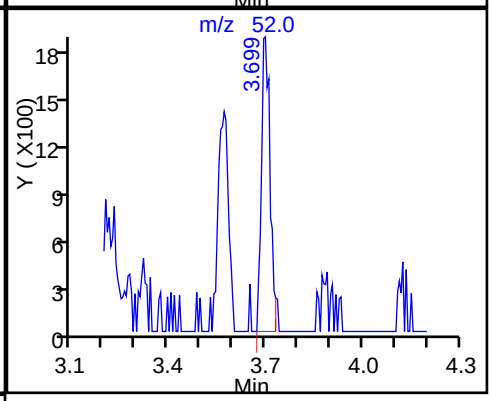
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

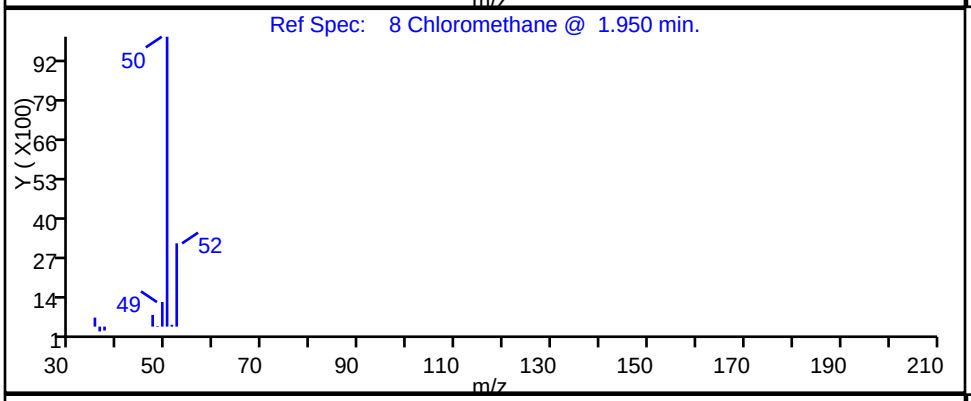
8 Chloromethane, CAS: 74-87-3

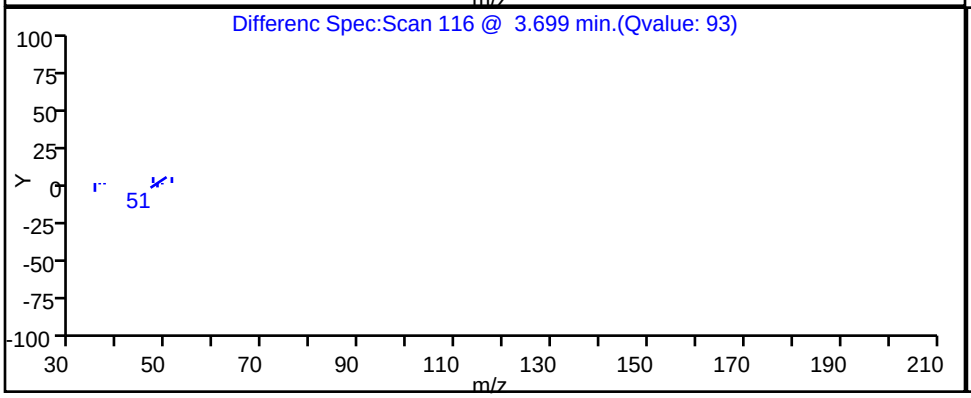


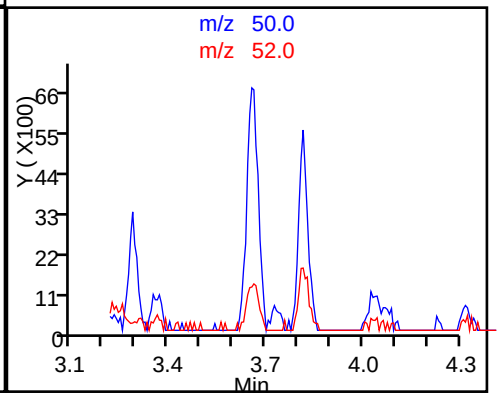












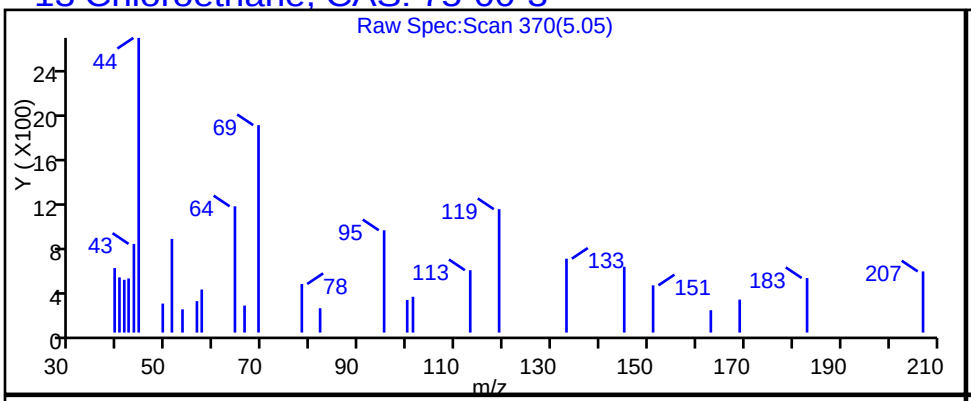
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

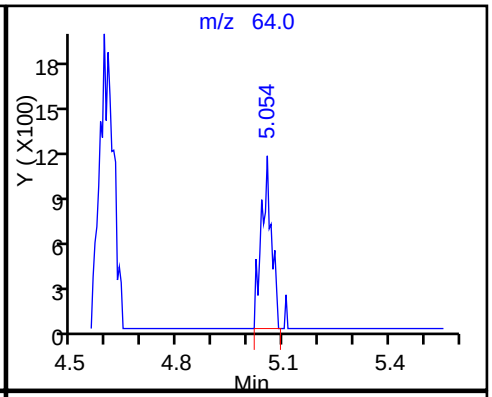
TestAmerica Burlington

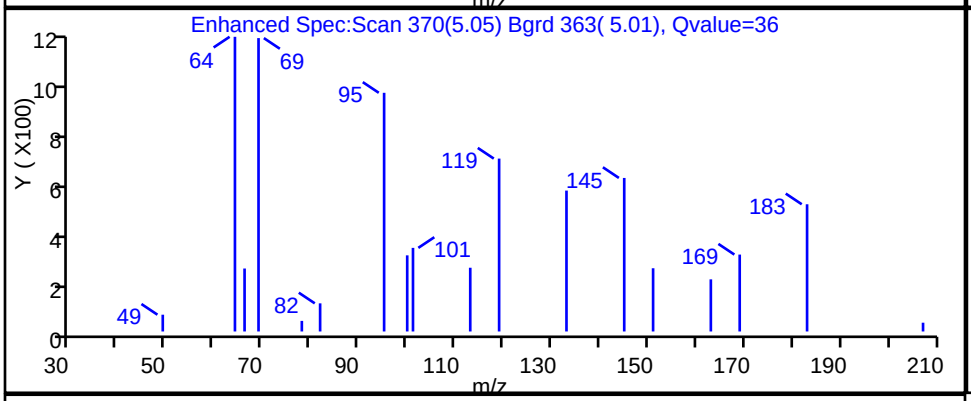
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

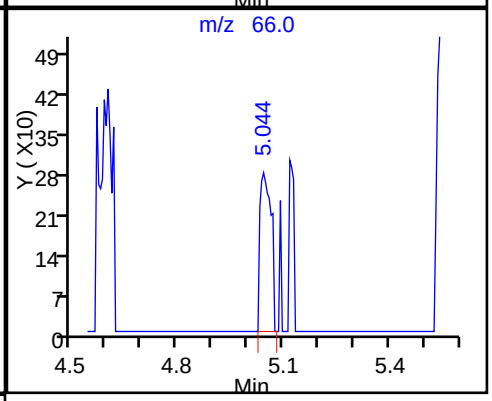
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

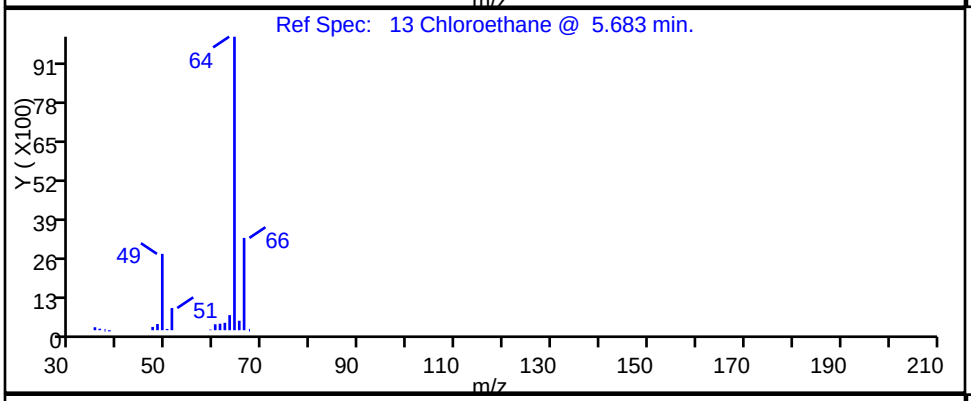
13 Chloroethane, CAS: 75-00-3

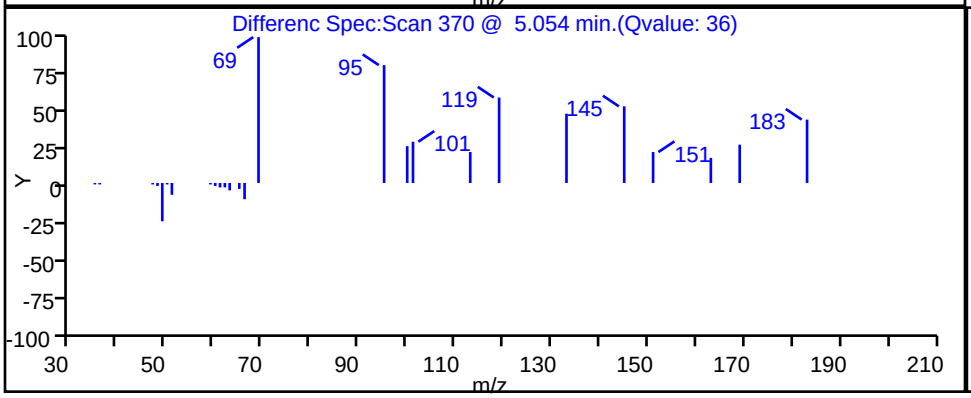


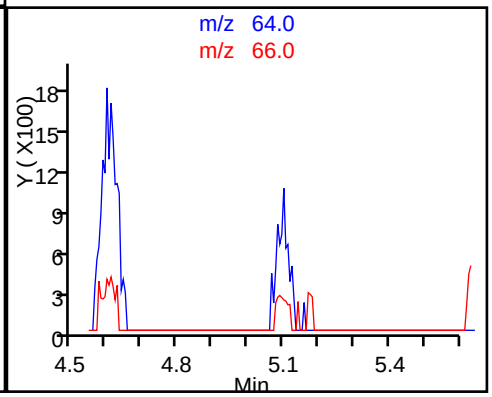












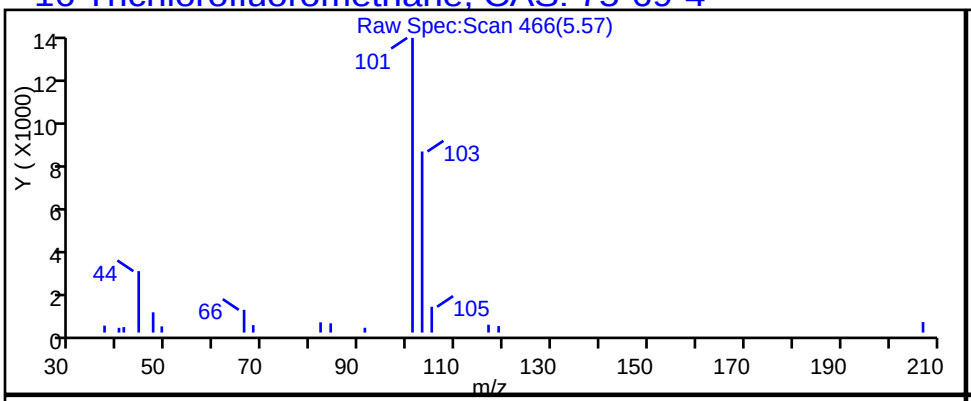
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

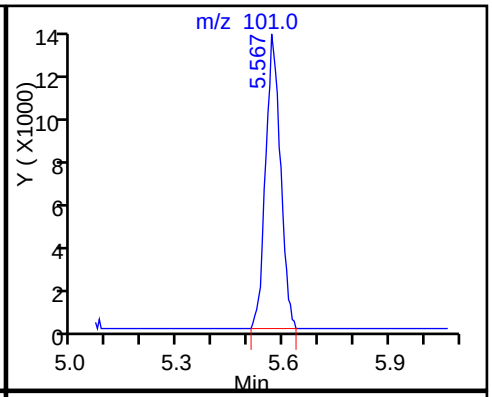
TestAmerica Burlington

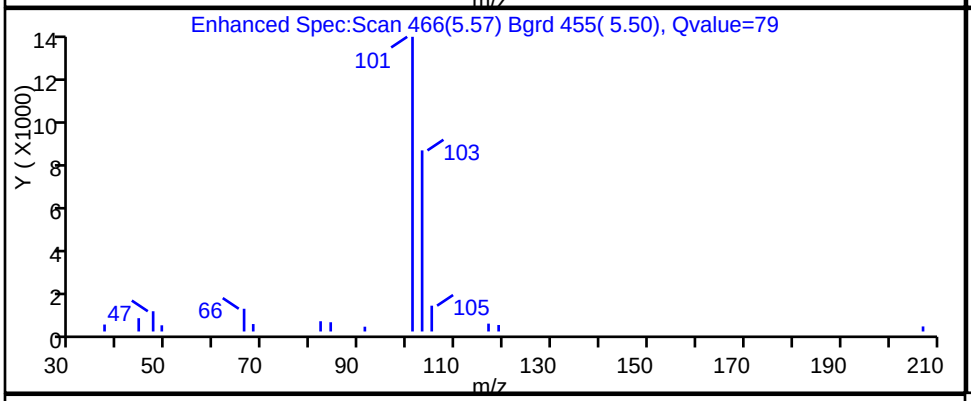
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

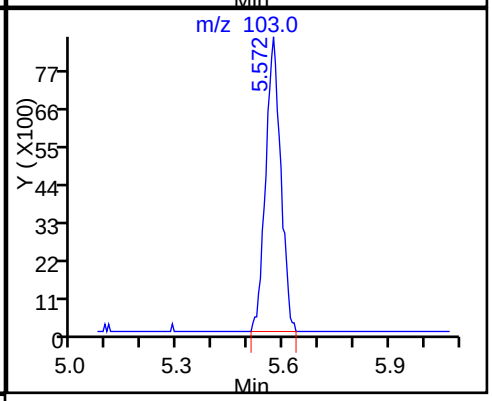
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

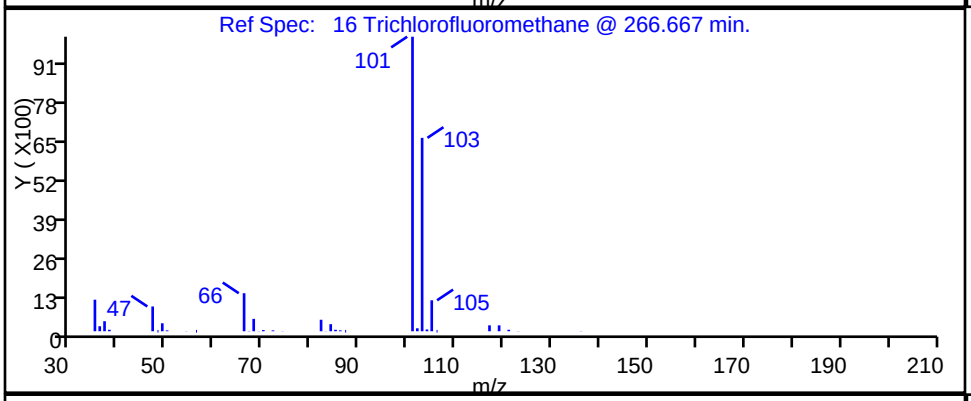
16 Trichlorofluoromethane, CAS: 75-69-4

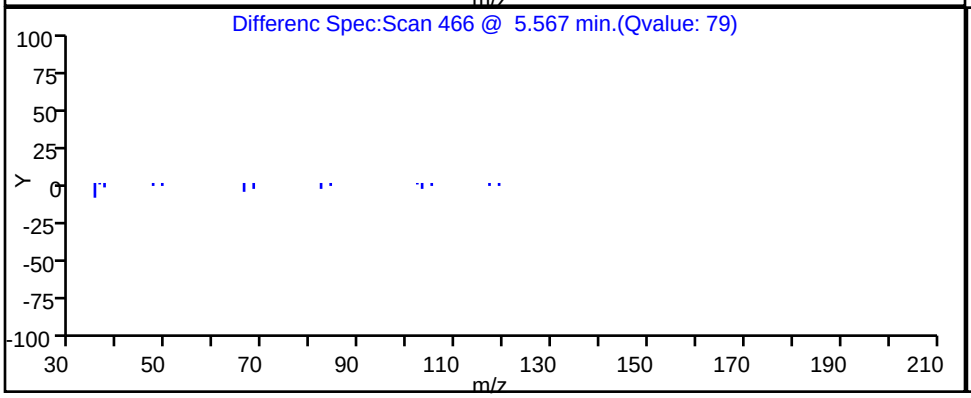


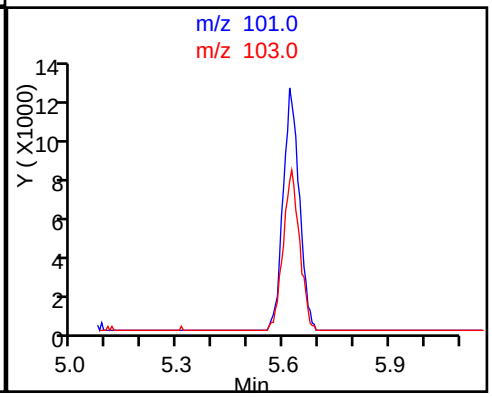












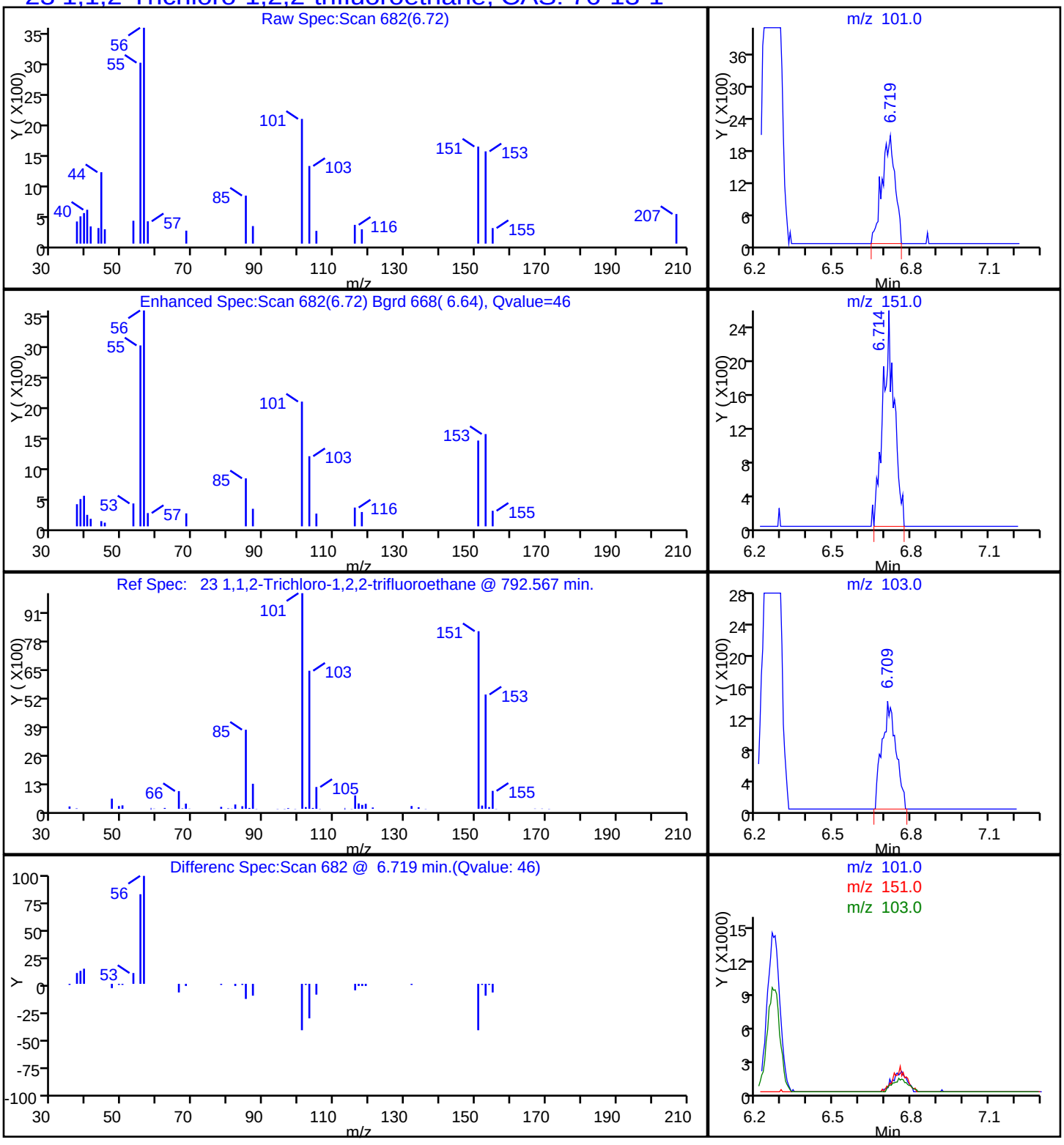
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



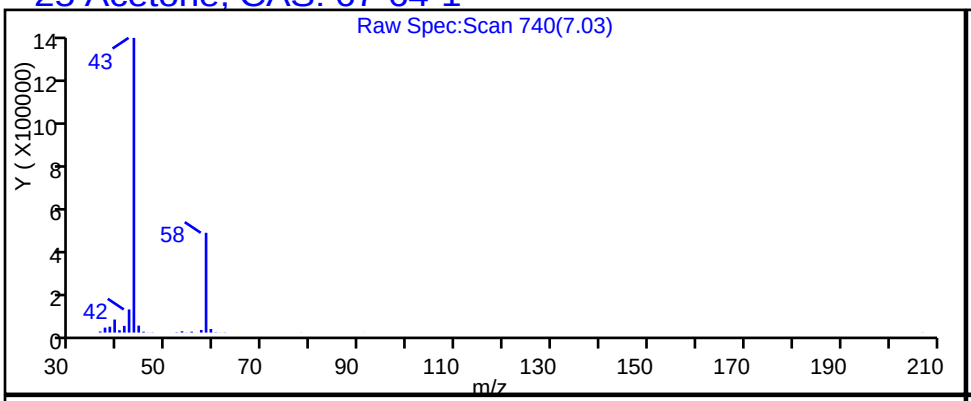
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

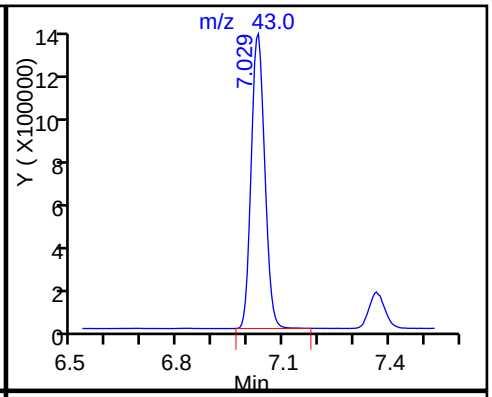
TestAmerica Burlington

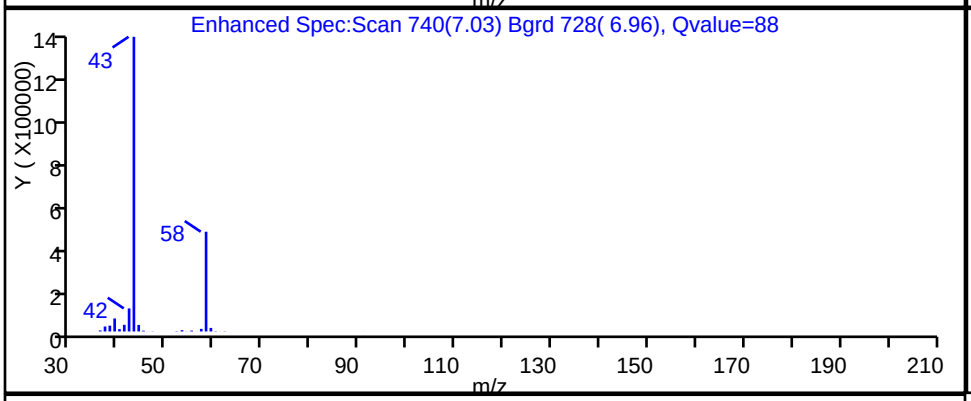
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

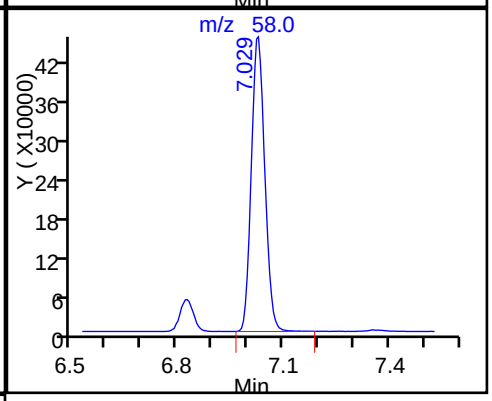
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

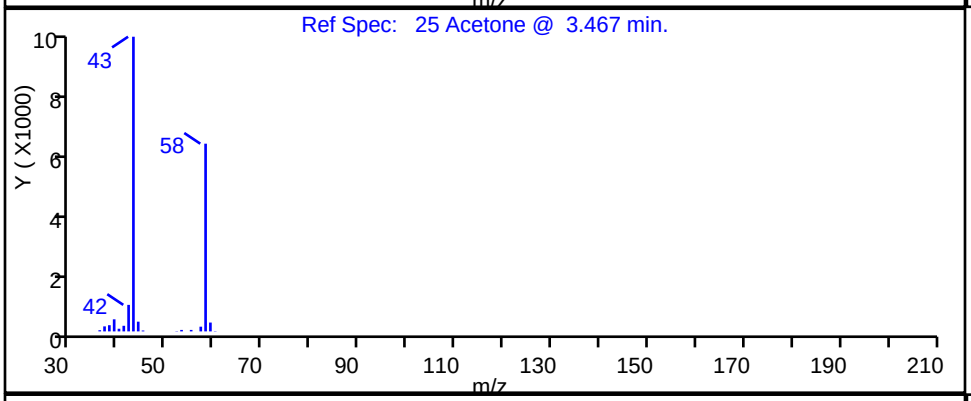
25 Acetone, CAS: 67-64-1

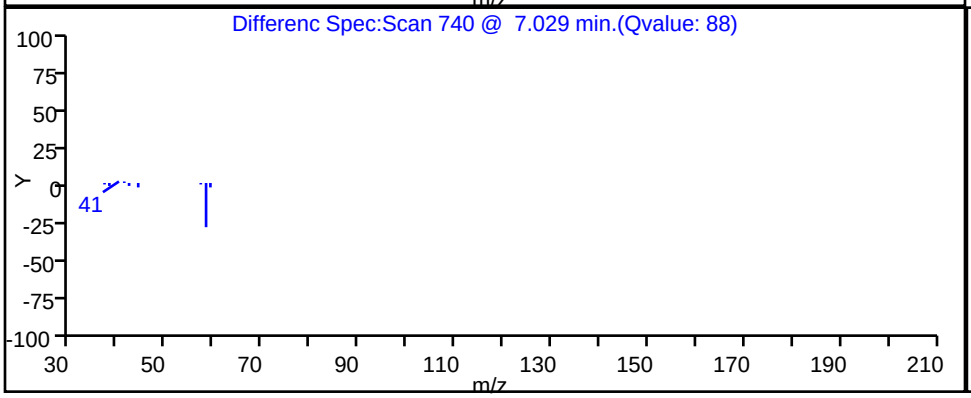


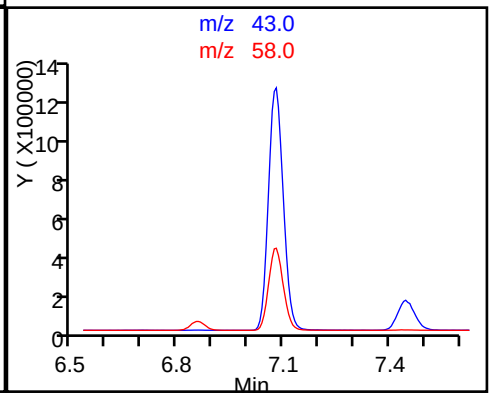












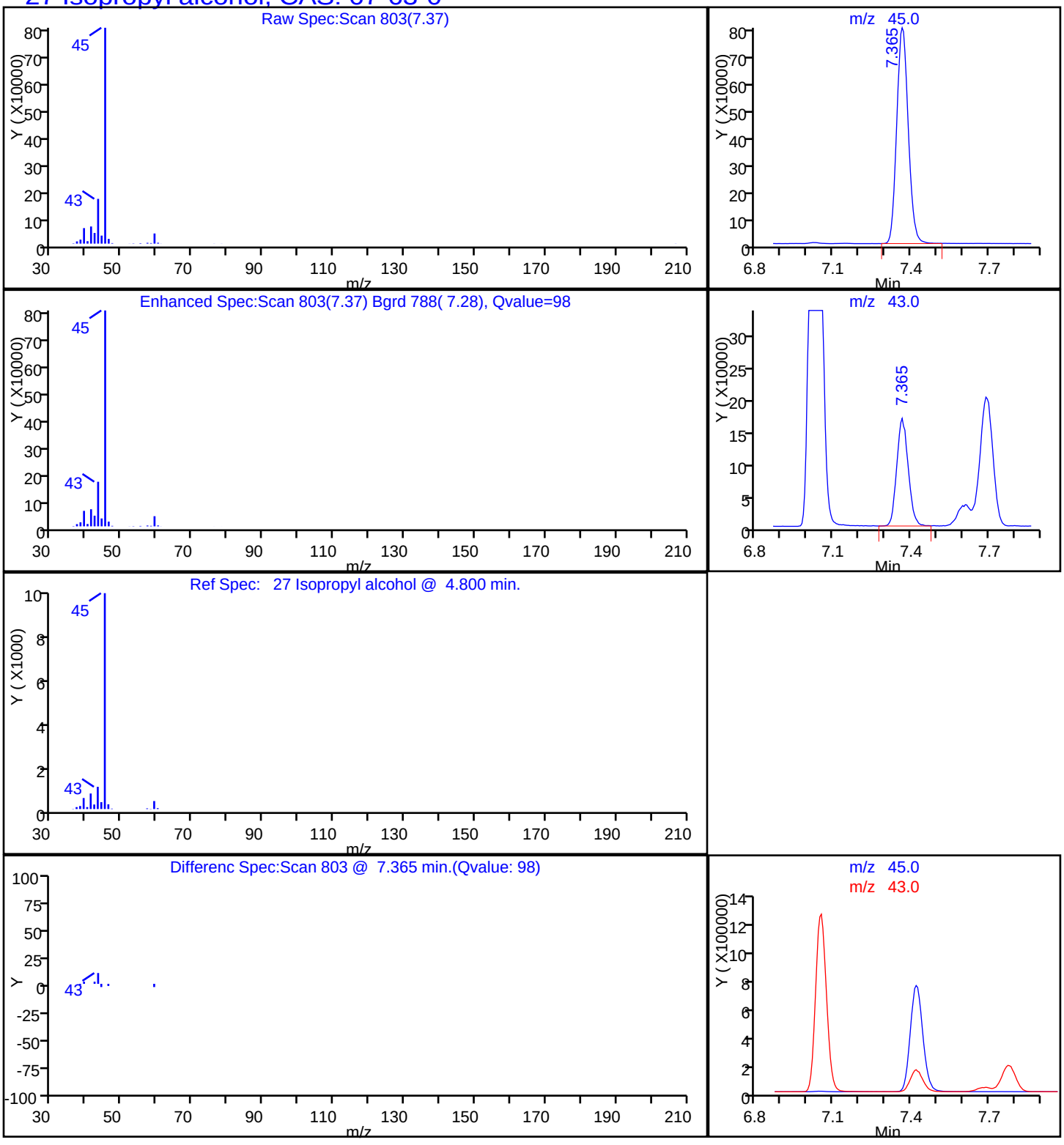
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0

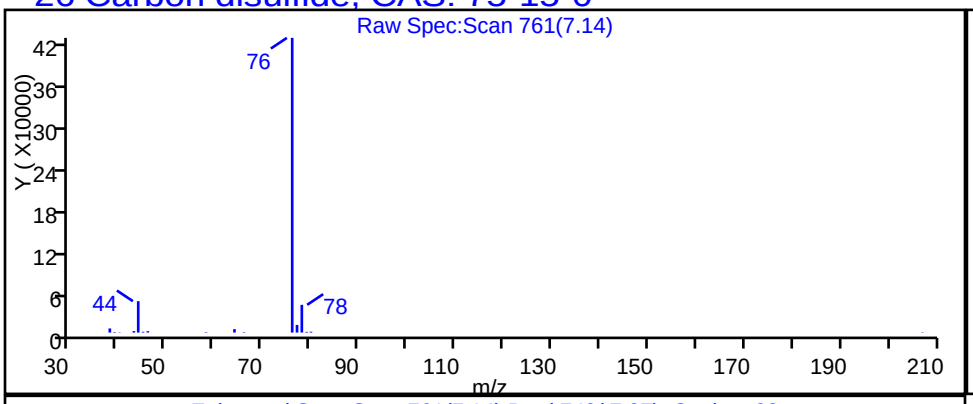


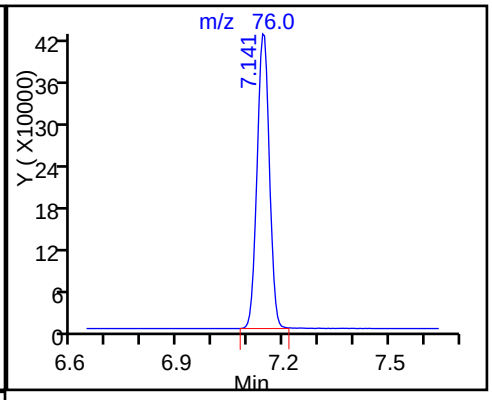
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

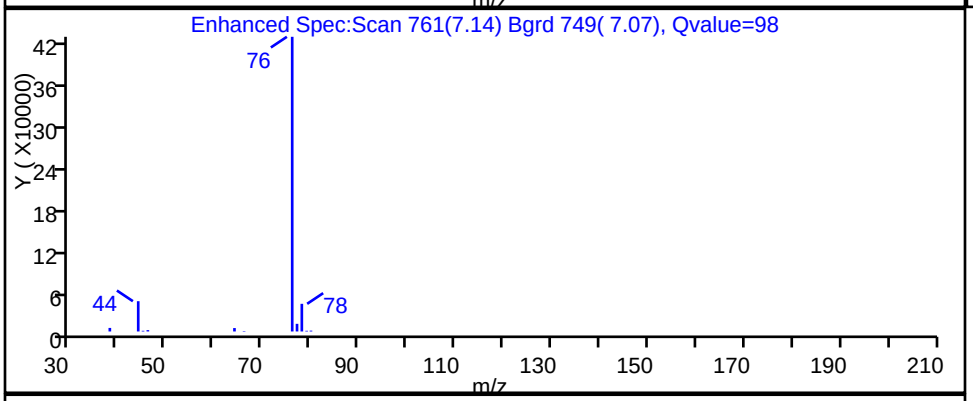
TestAmerica Burlington

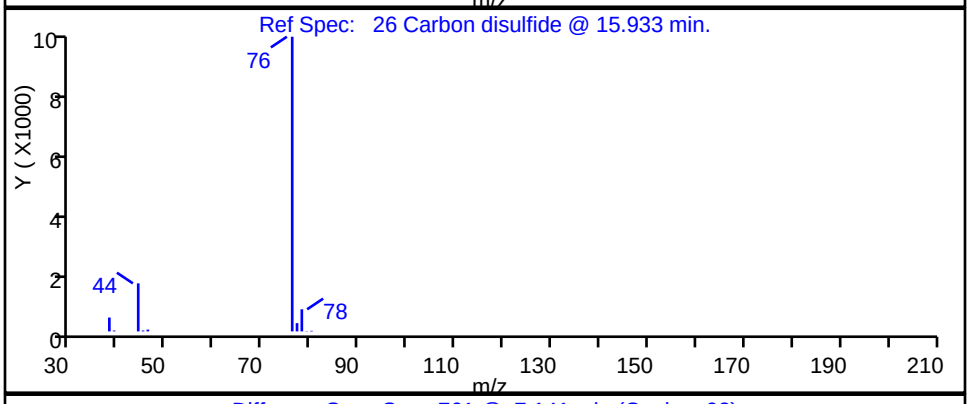
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D				
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

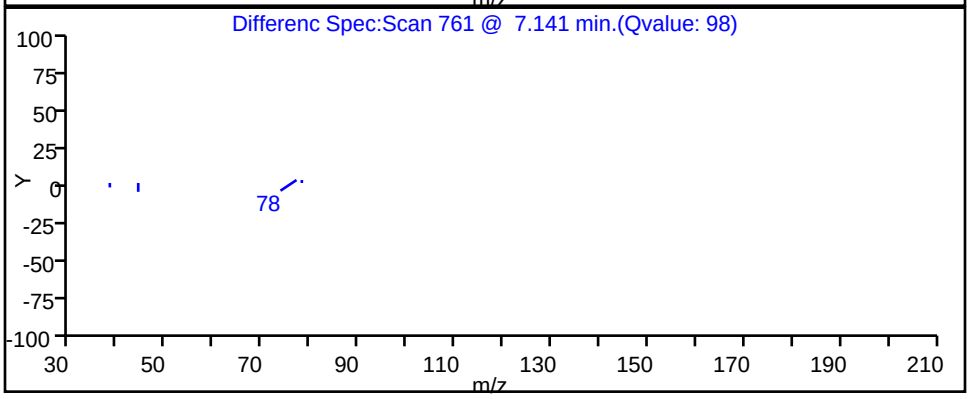
26 Carbon disulfide, CAS: 75-15-0











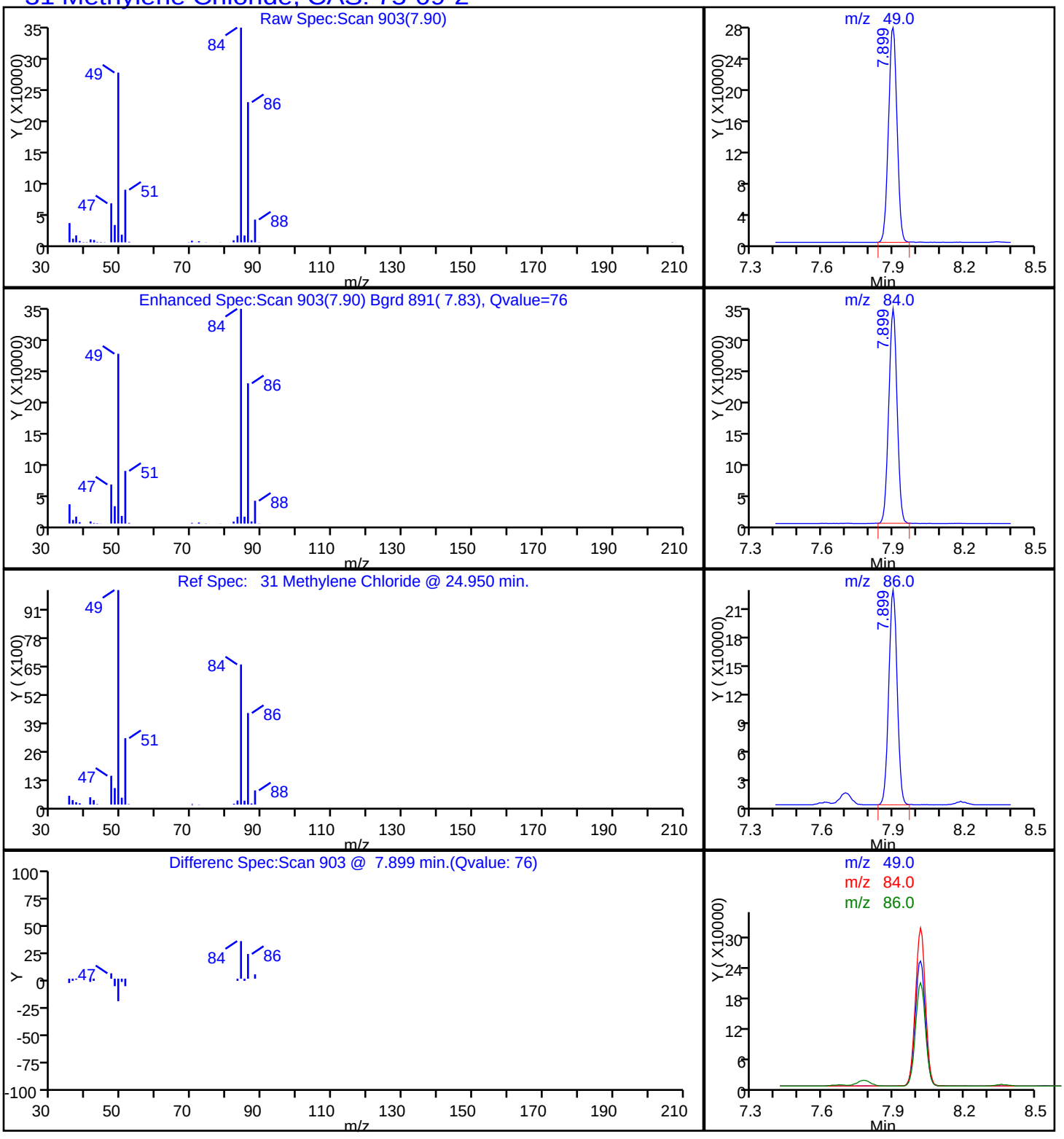
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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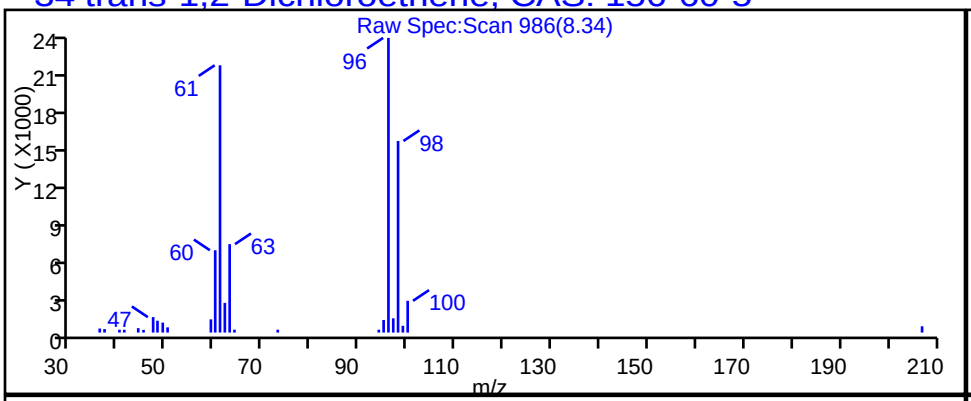
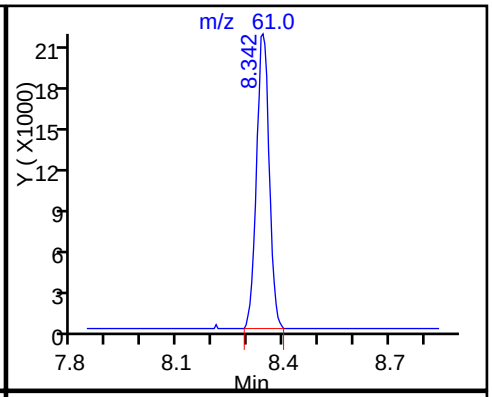
TestAmerica Burlington

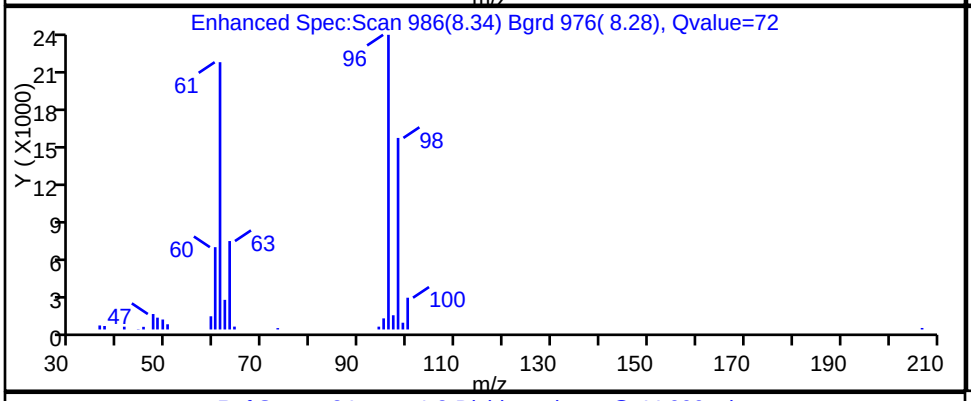
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

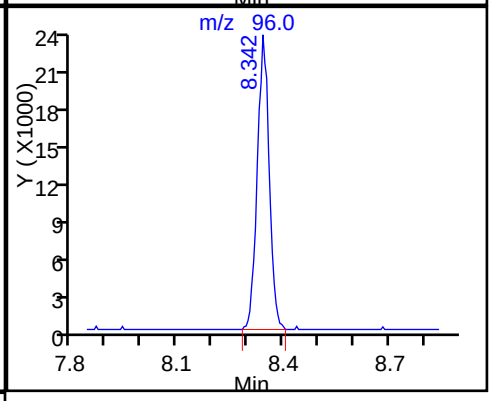
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

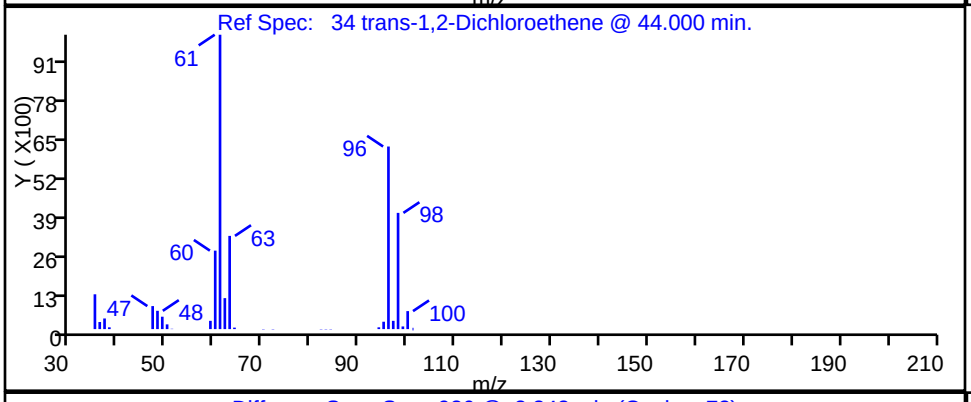
34 trans-1,2-Dichloroethene, CAS: 156-60-5

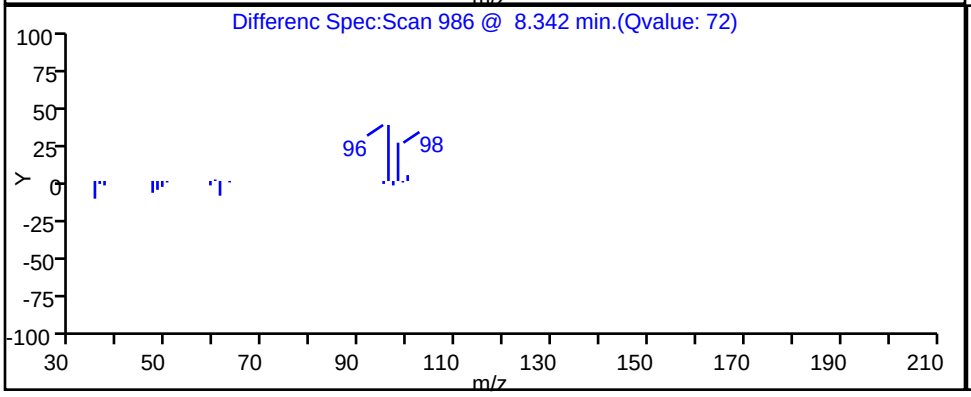


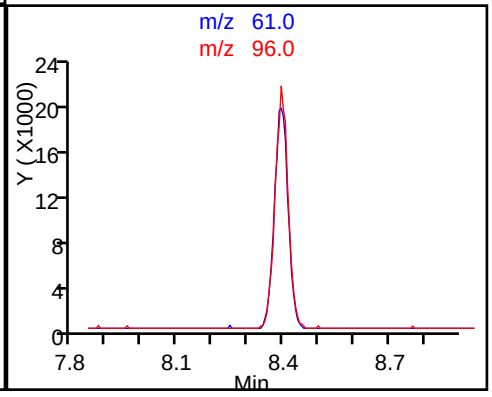












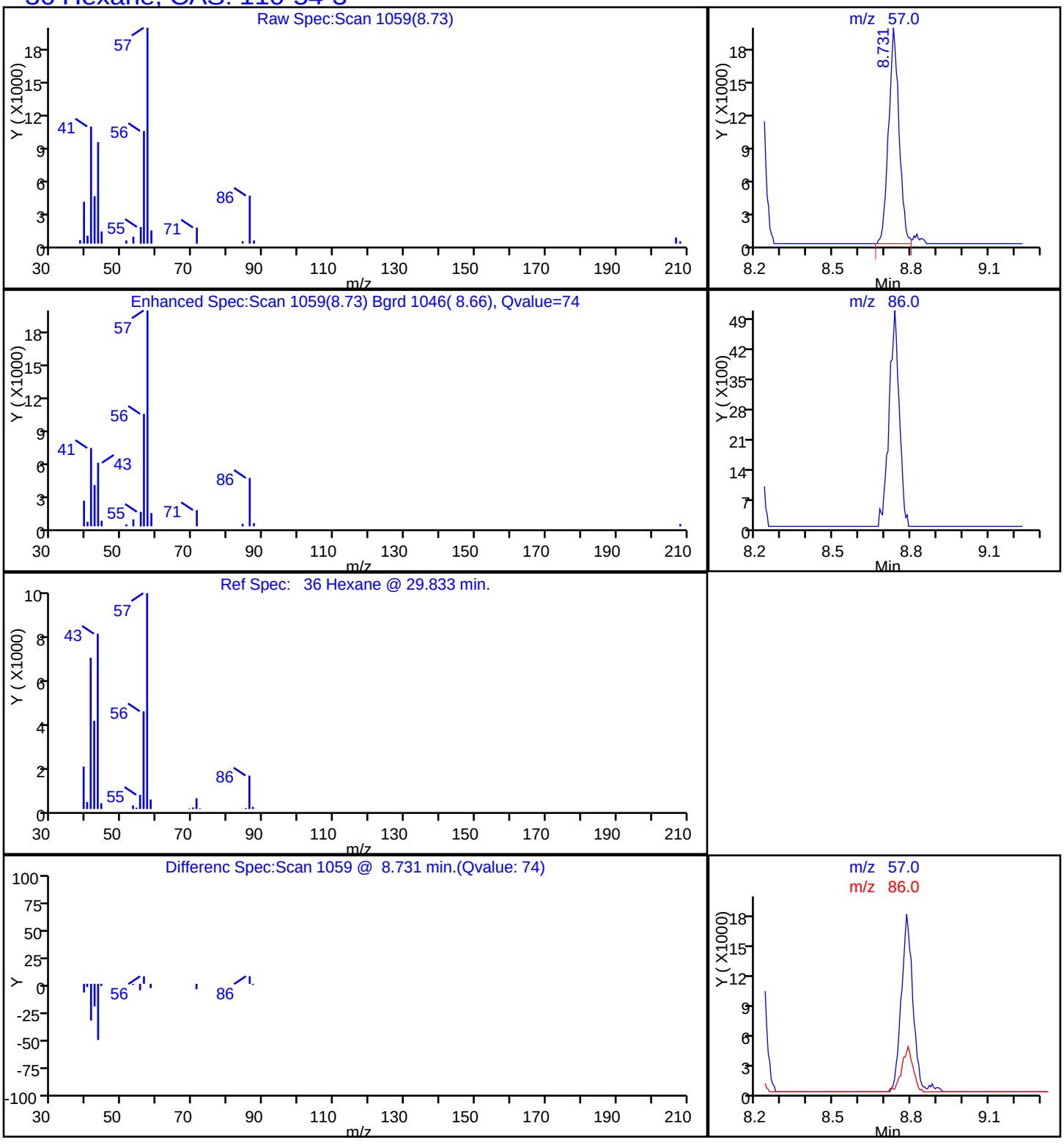
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



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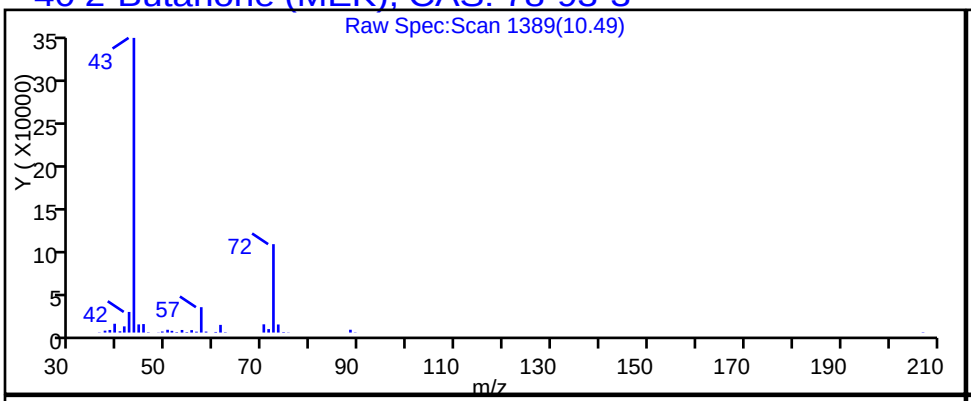
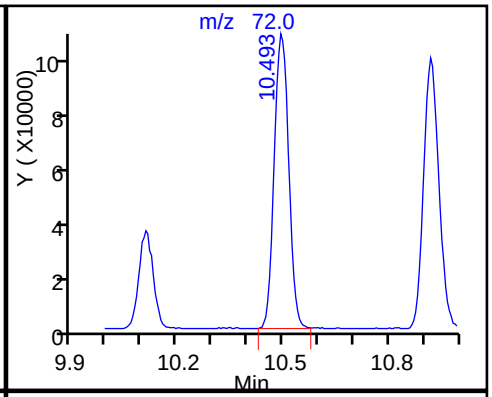
TestAmerica Burlington

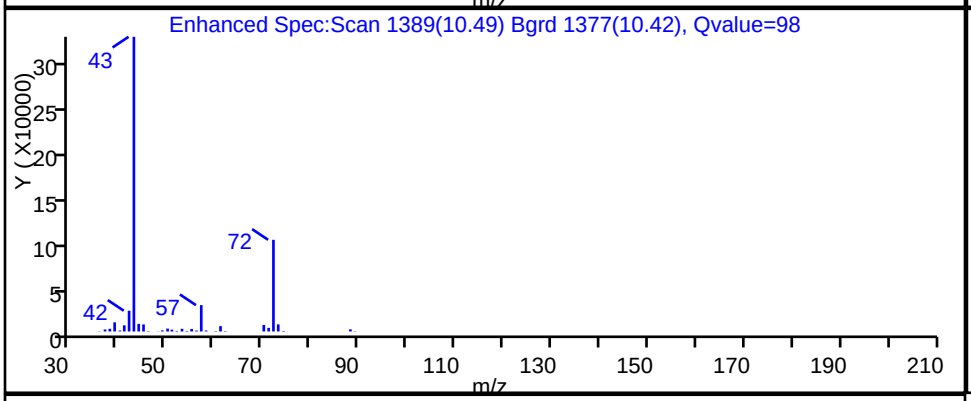
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

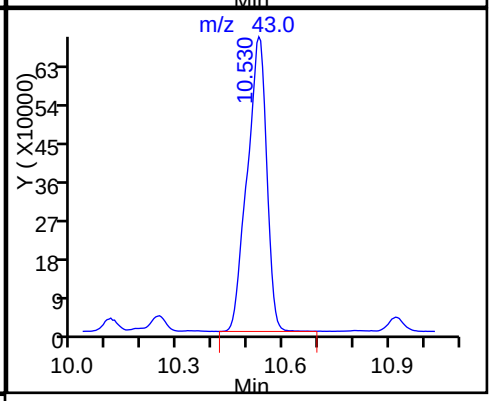
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

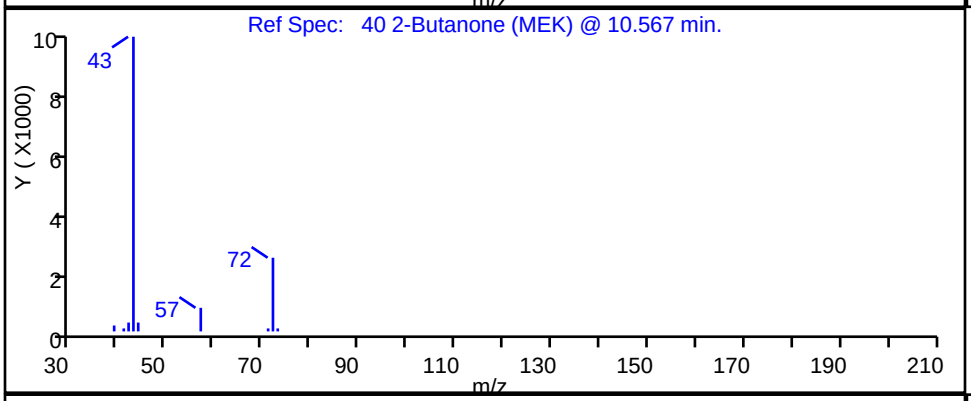
40 2-Butanone (MEK), CAS: 78-93-3

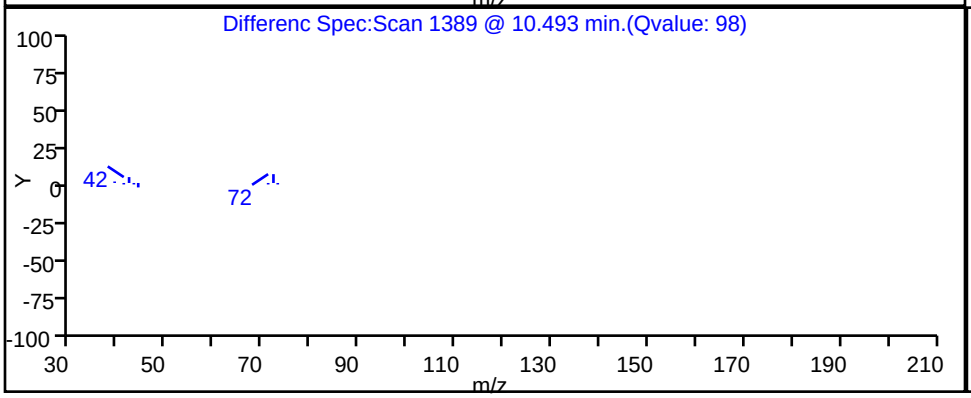


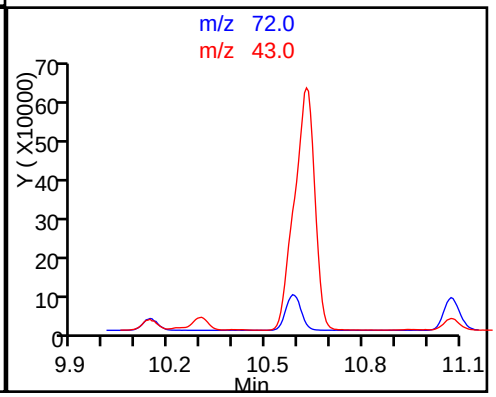












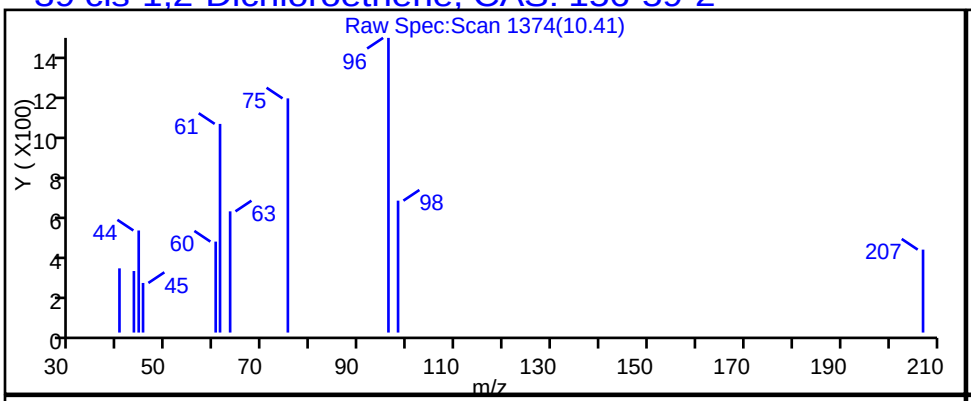
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

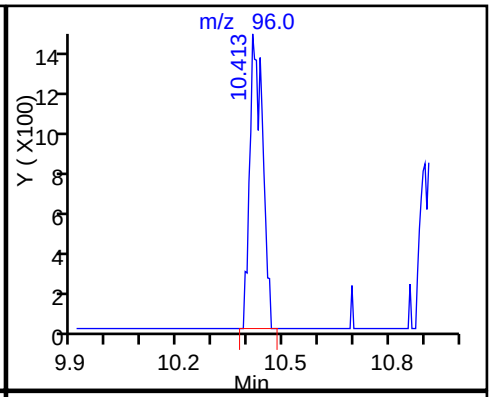
TestAmerica Burlington

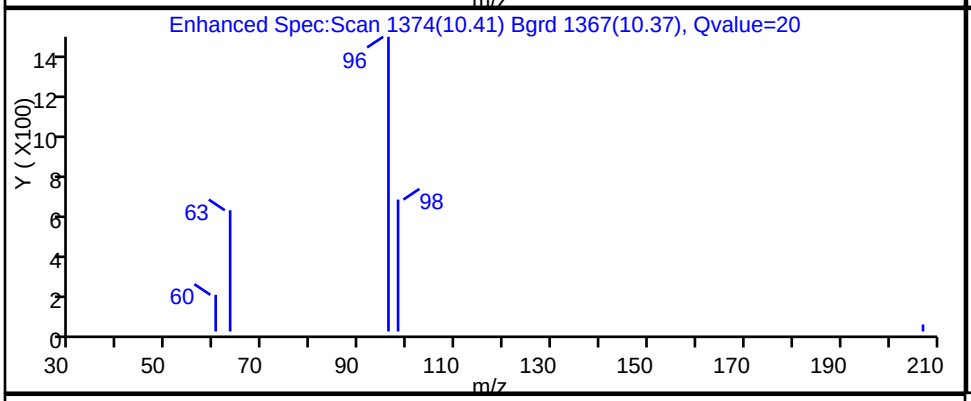
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

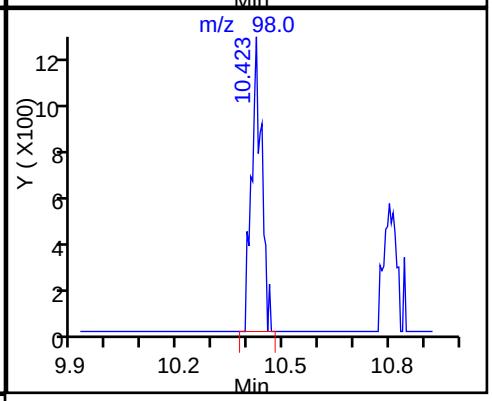
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

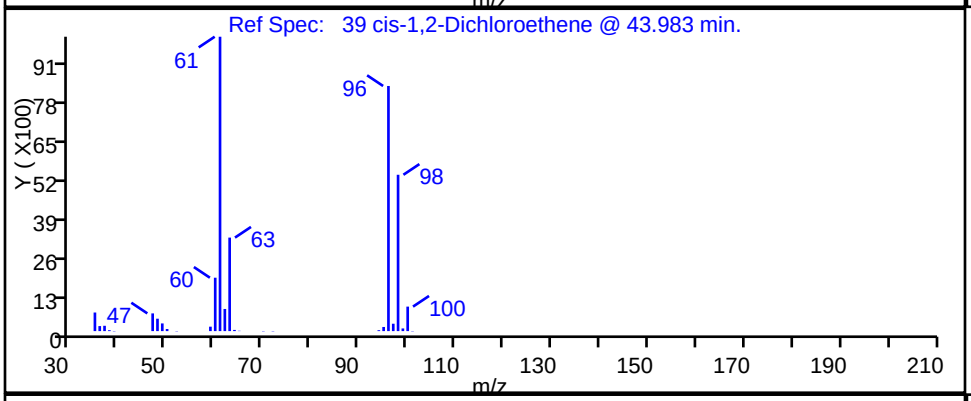
39 cis-1,2-Dichloroethene, CAS: 156-59-2

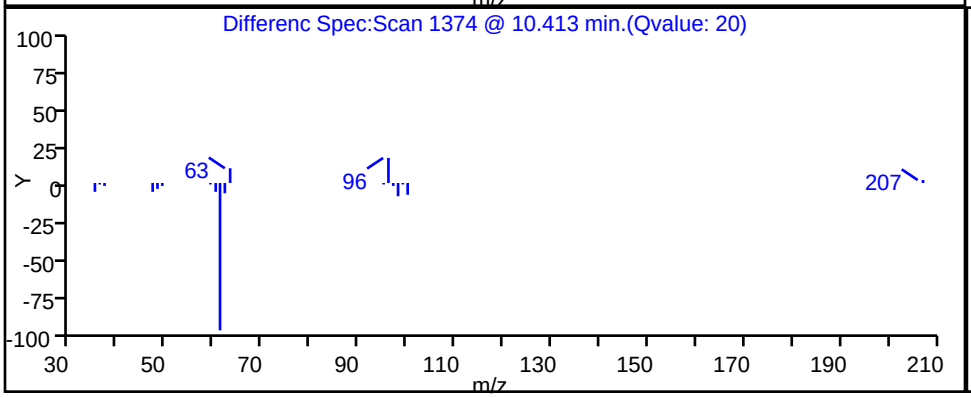


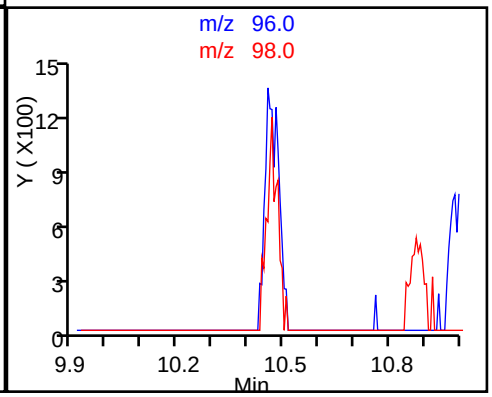












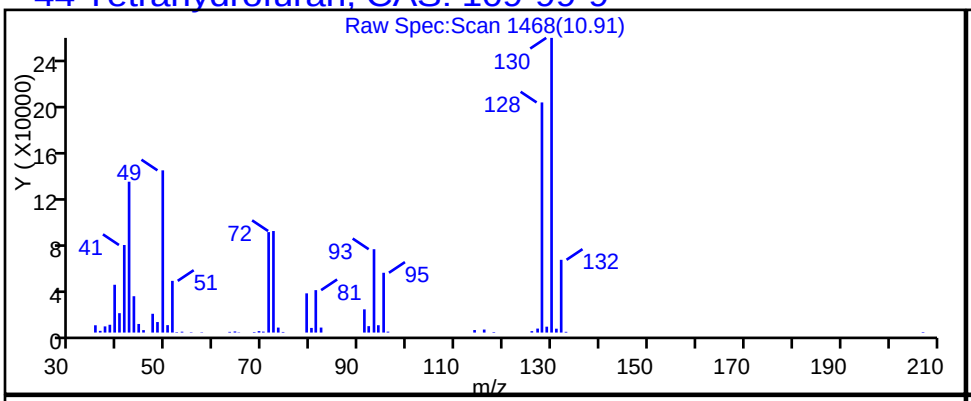
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

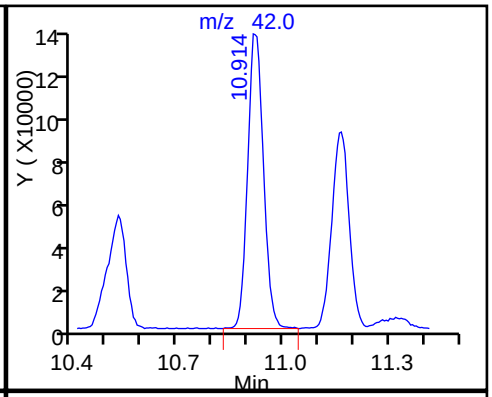
TestAmerica Burlington

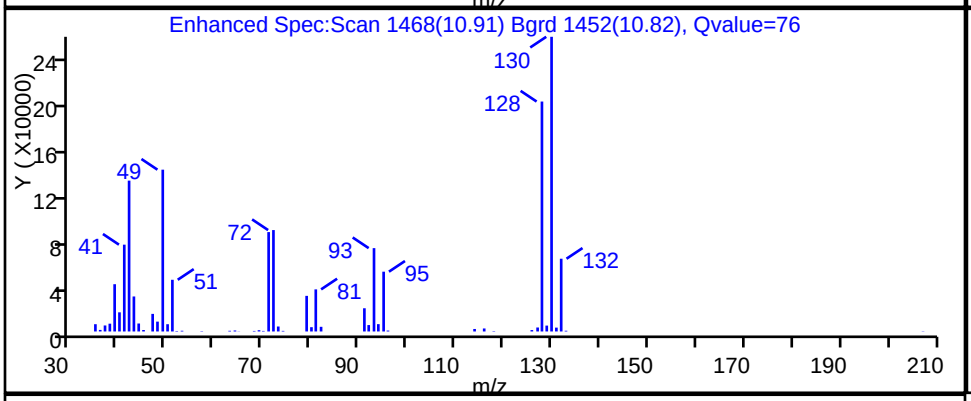
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

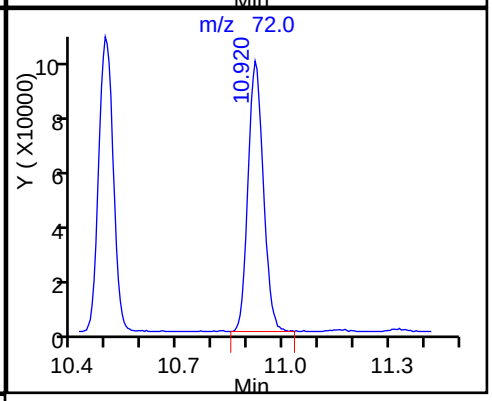
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

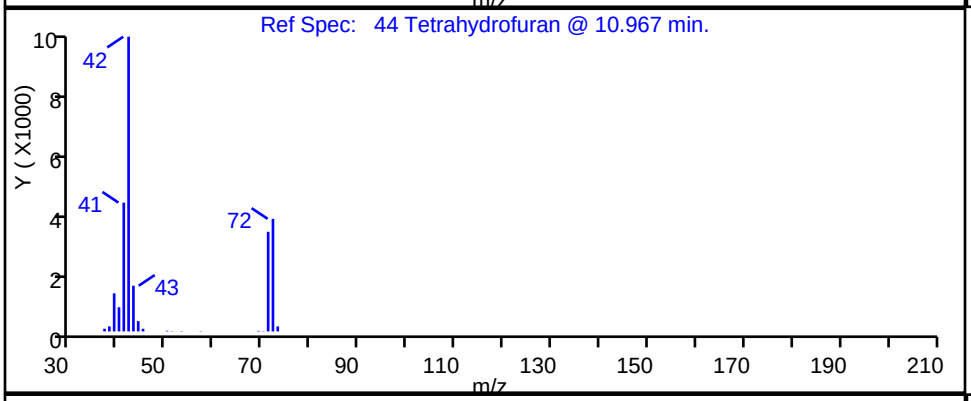
44 Tetrahydrofuran, CAS: 109-99-9

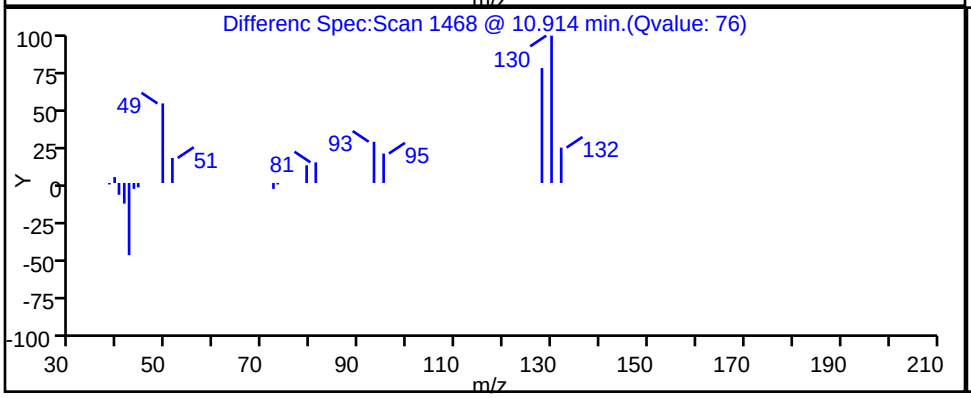


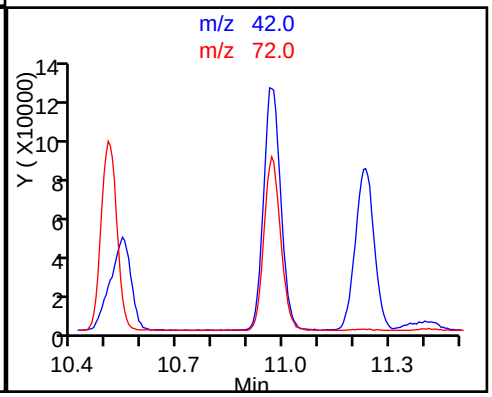












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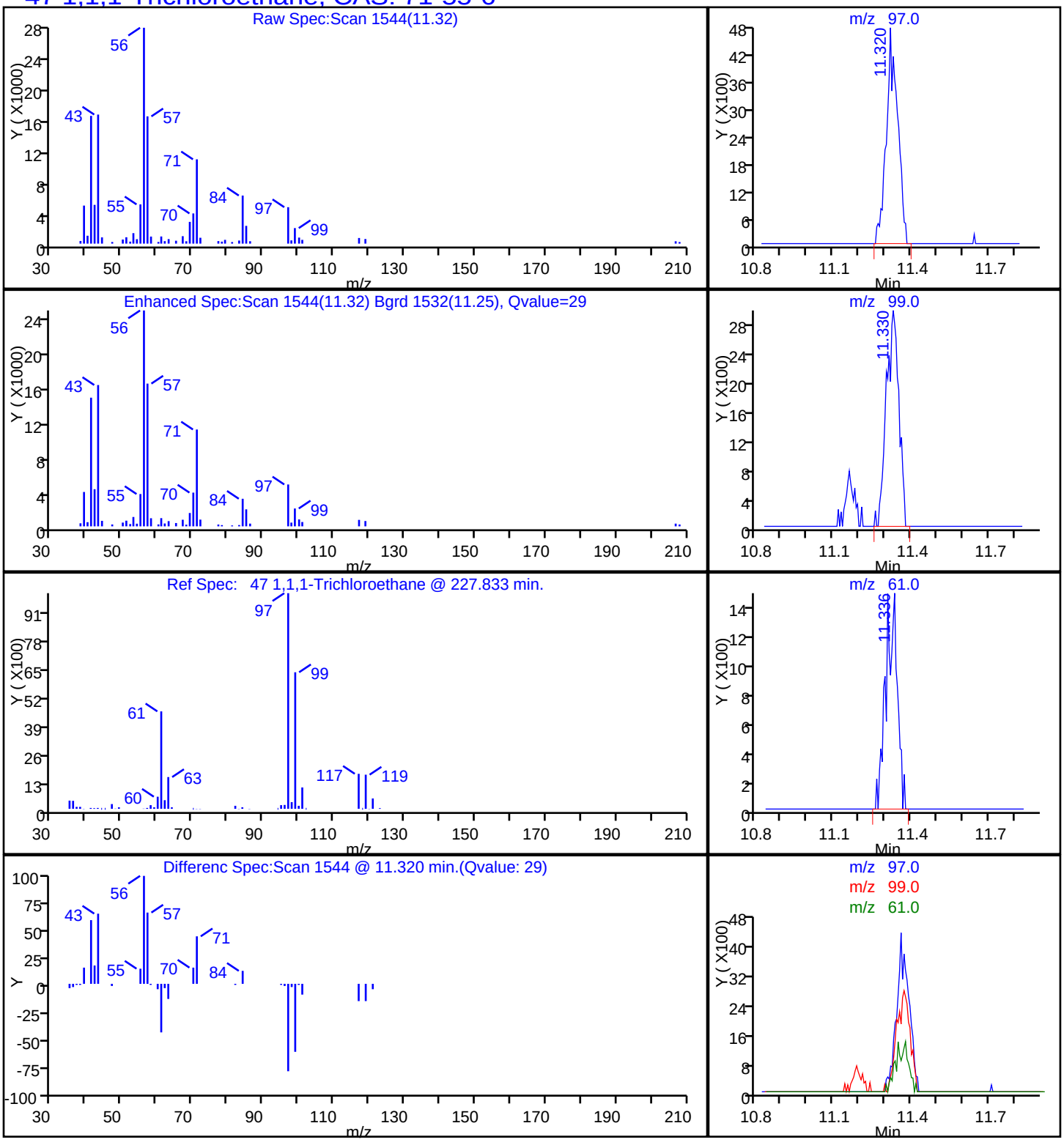
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



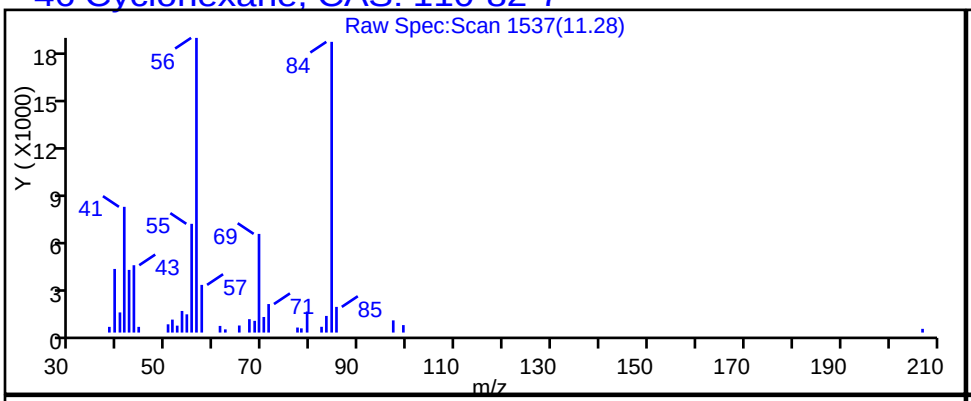
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

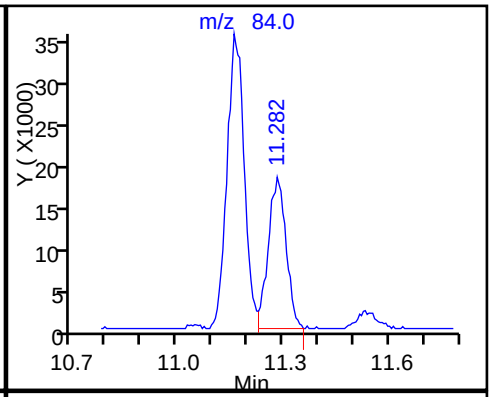
TestAmerica Burlington

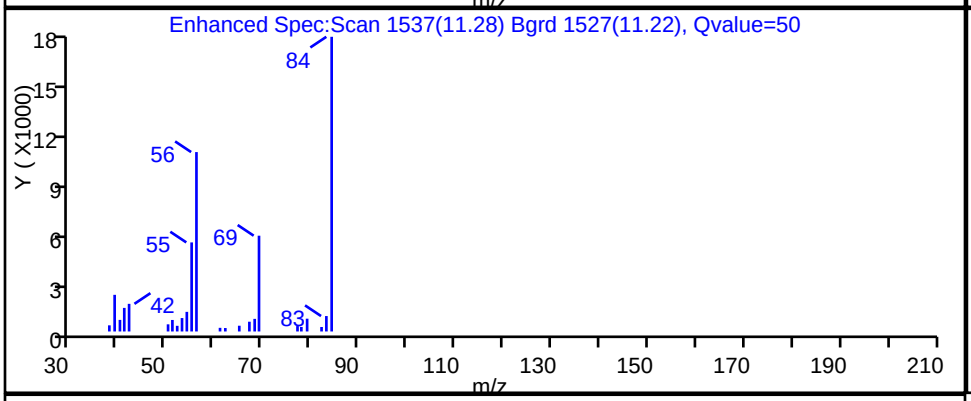
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

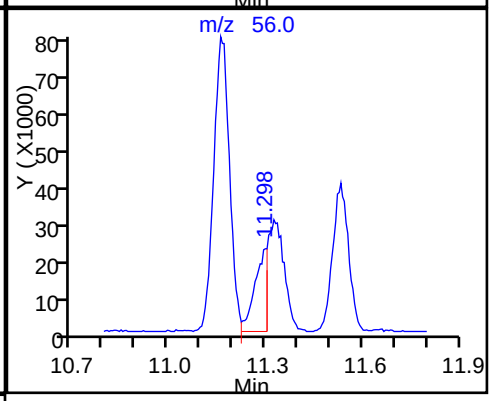
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

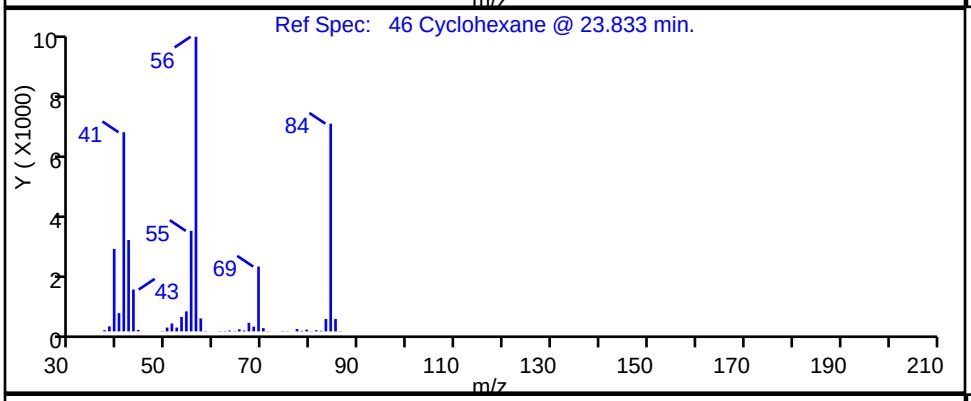
46 Cyclohexane, CAS: 110-82-7

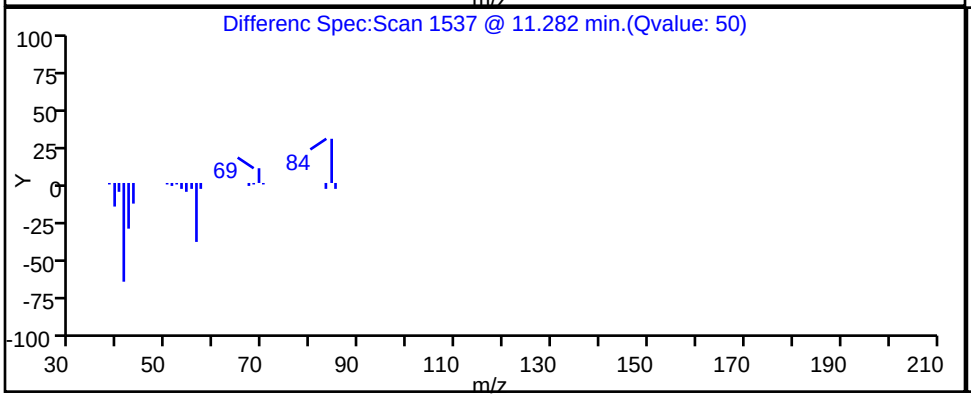


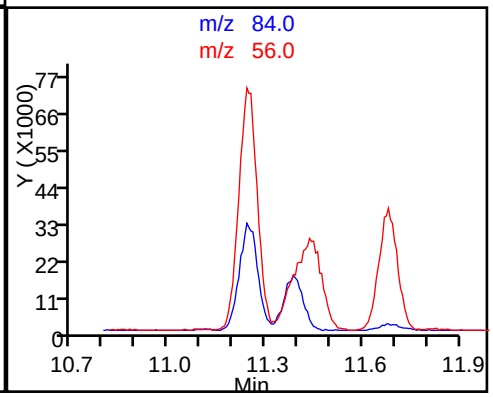












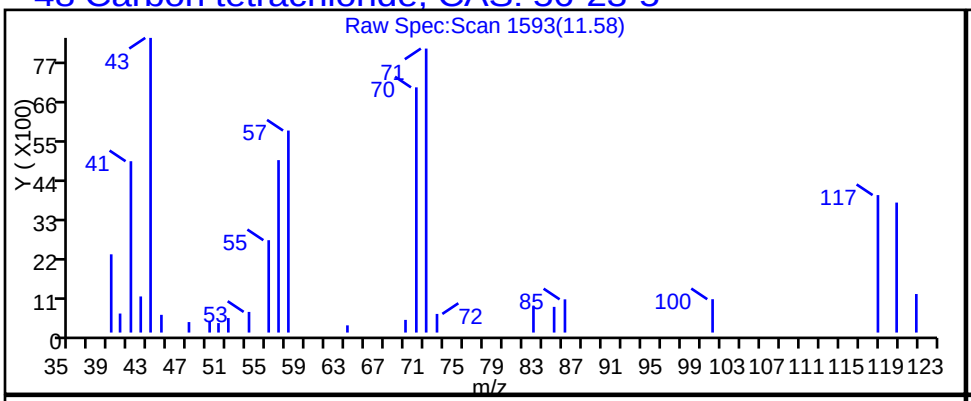
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

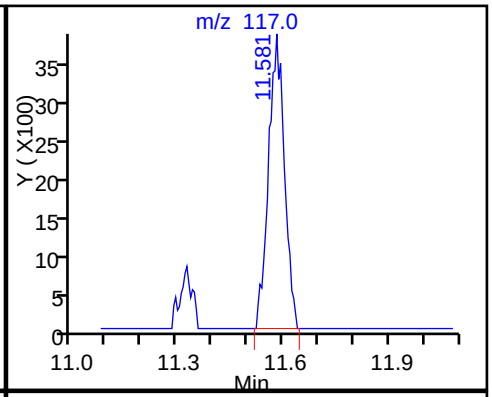
TestAmerica Burlington

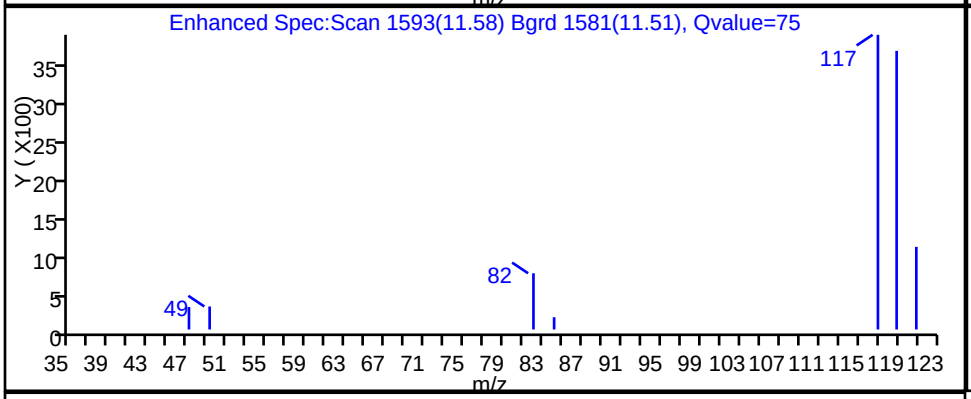
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

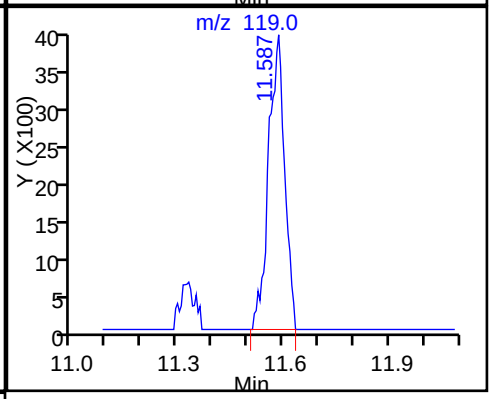
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

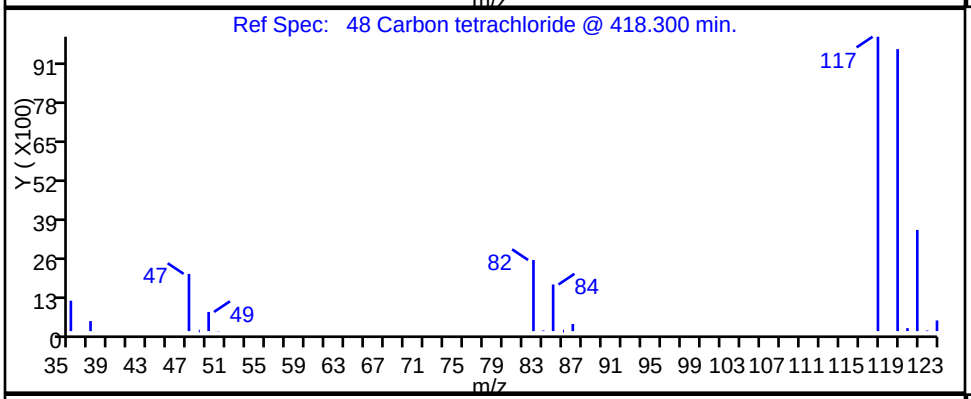
48 Carbon tetrachloride, CAS: 56-23-5

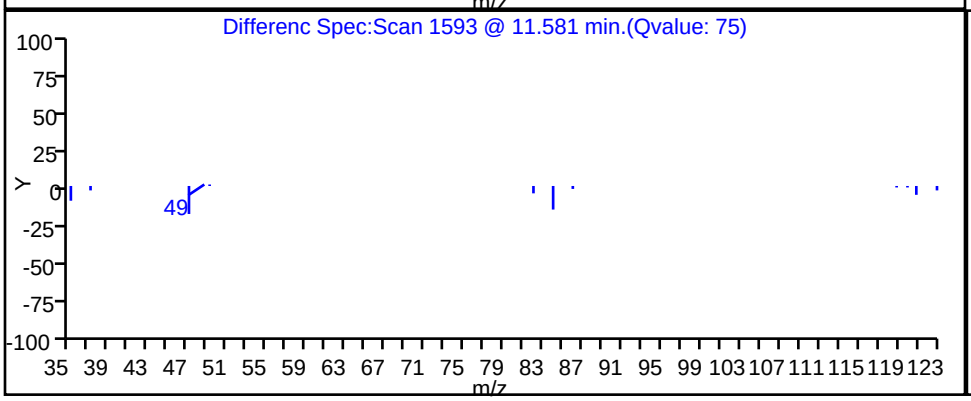


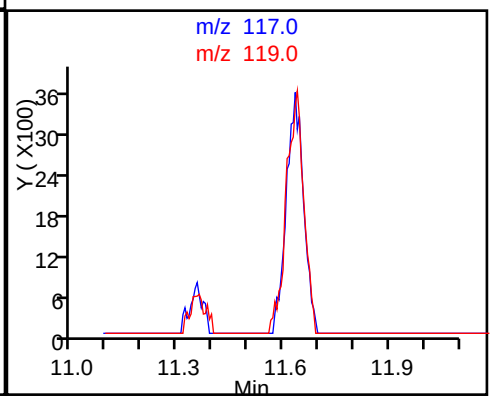












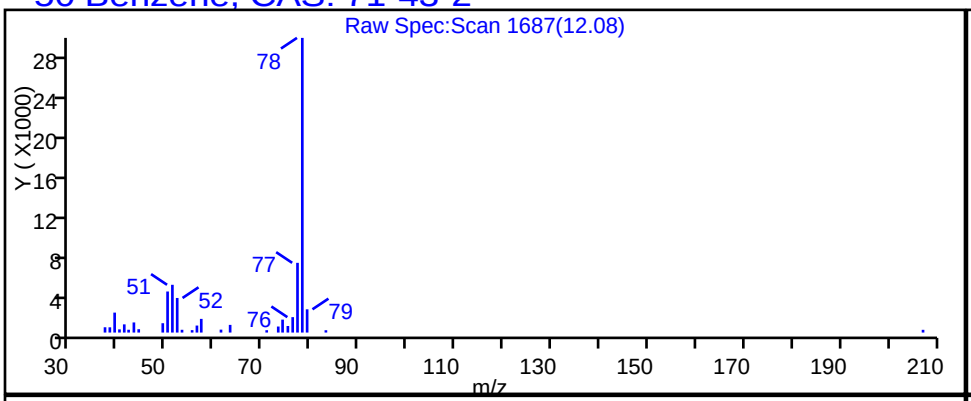
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

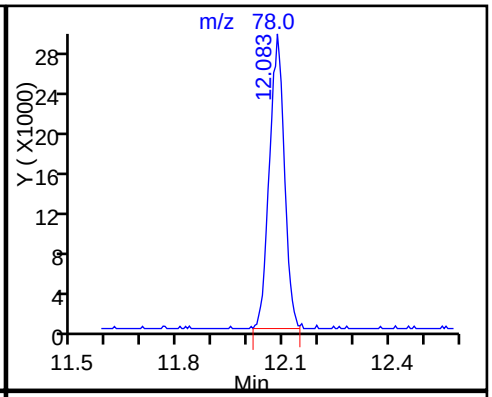
TestAmerica Burlington

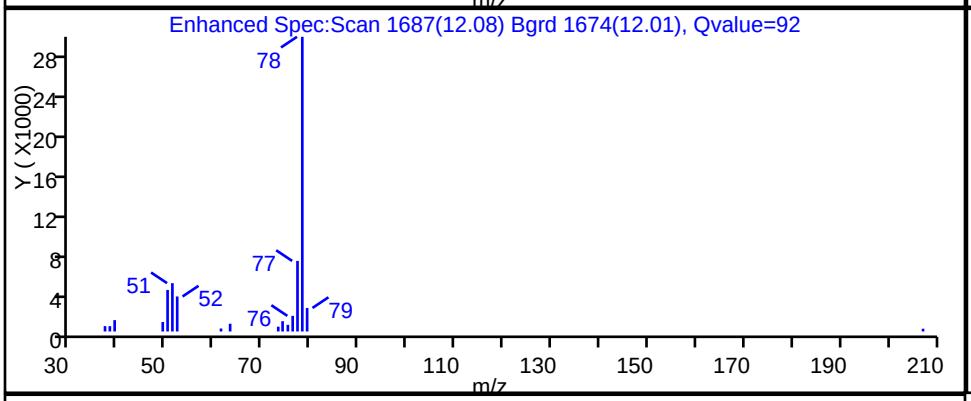
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

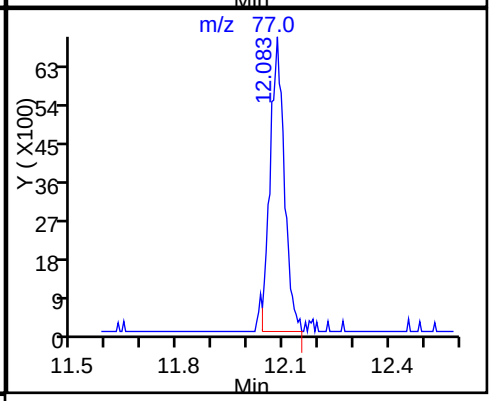
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

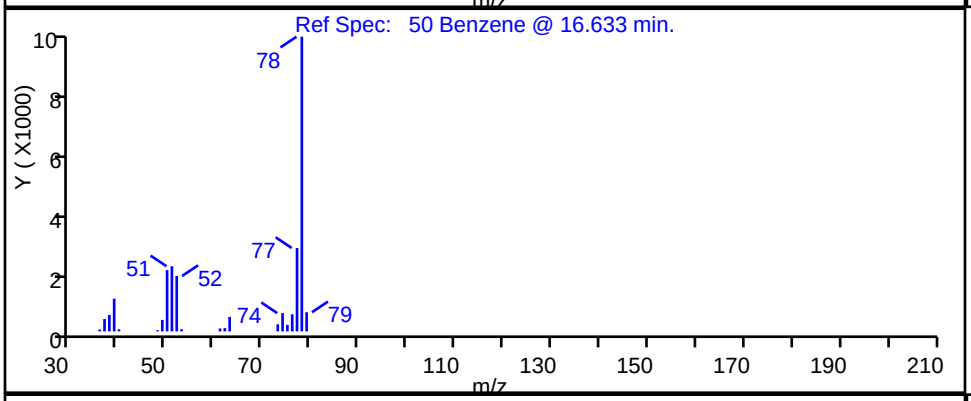
50 Benzene, CAS: 71-43-2

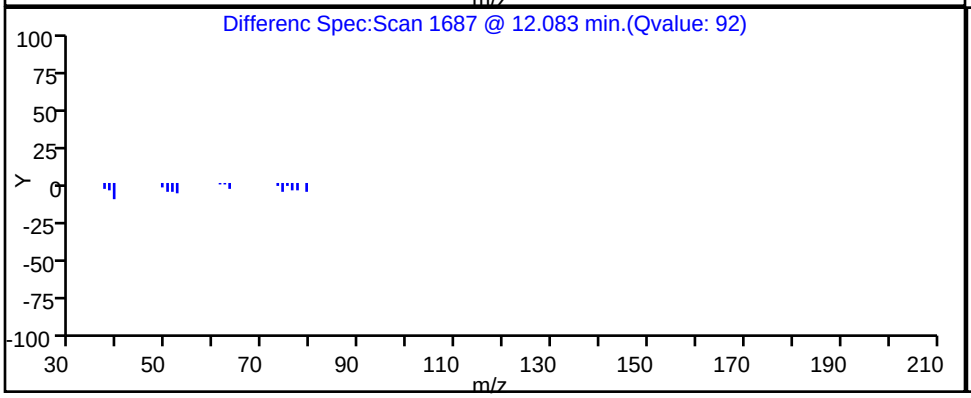


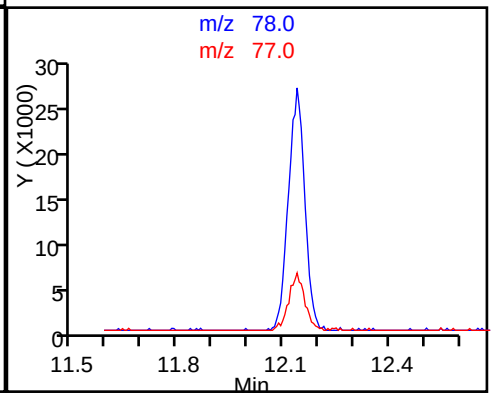












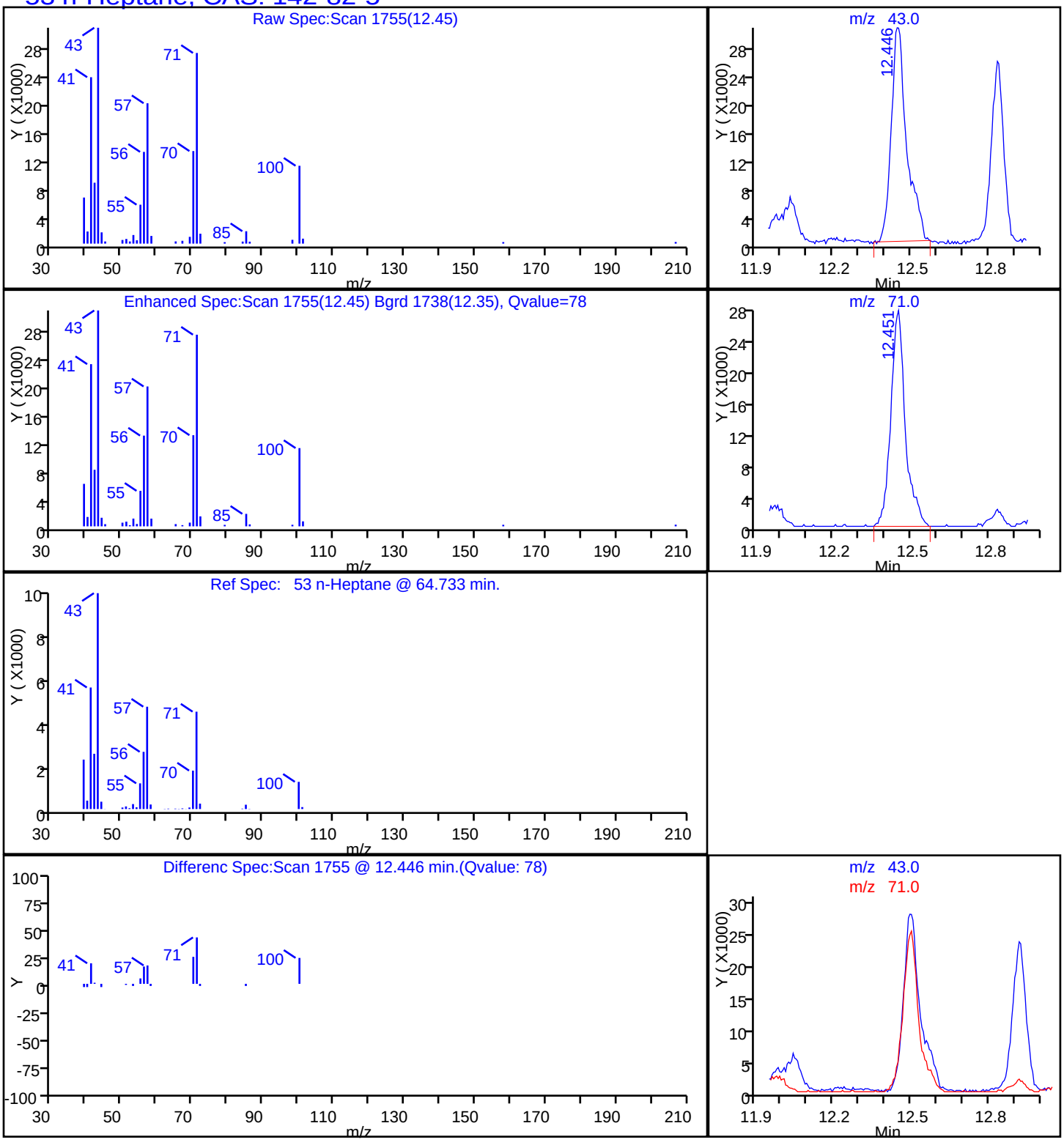
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5



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TestAmerica Burlington

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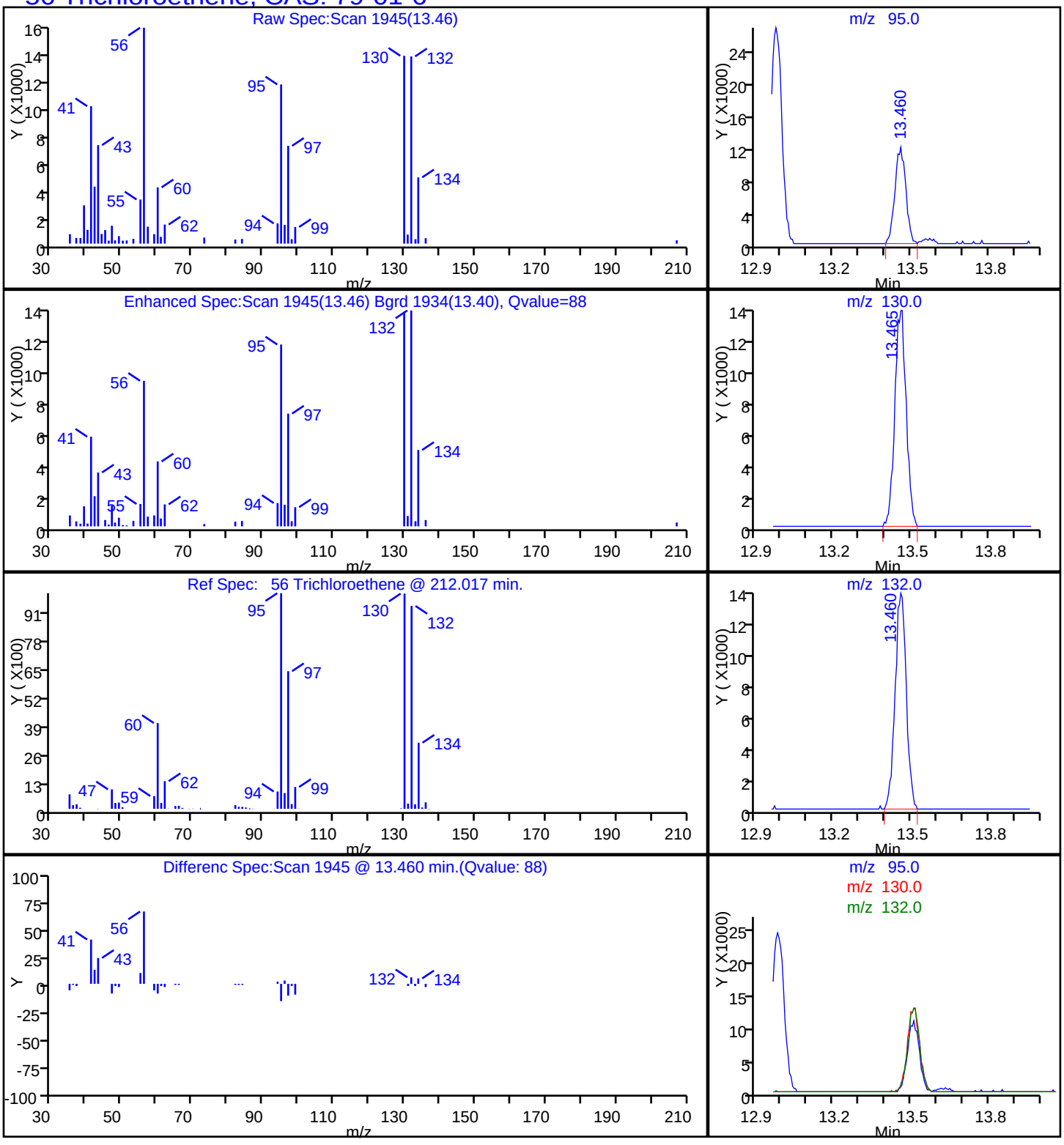
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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TestAmerica Burlington

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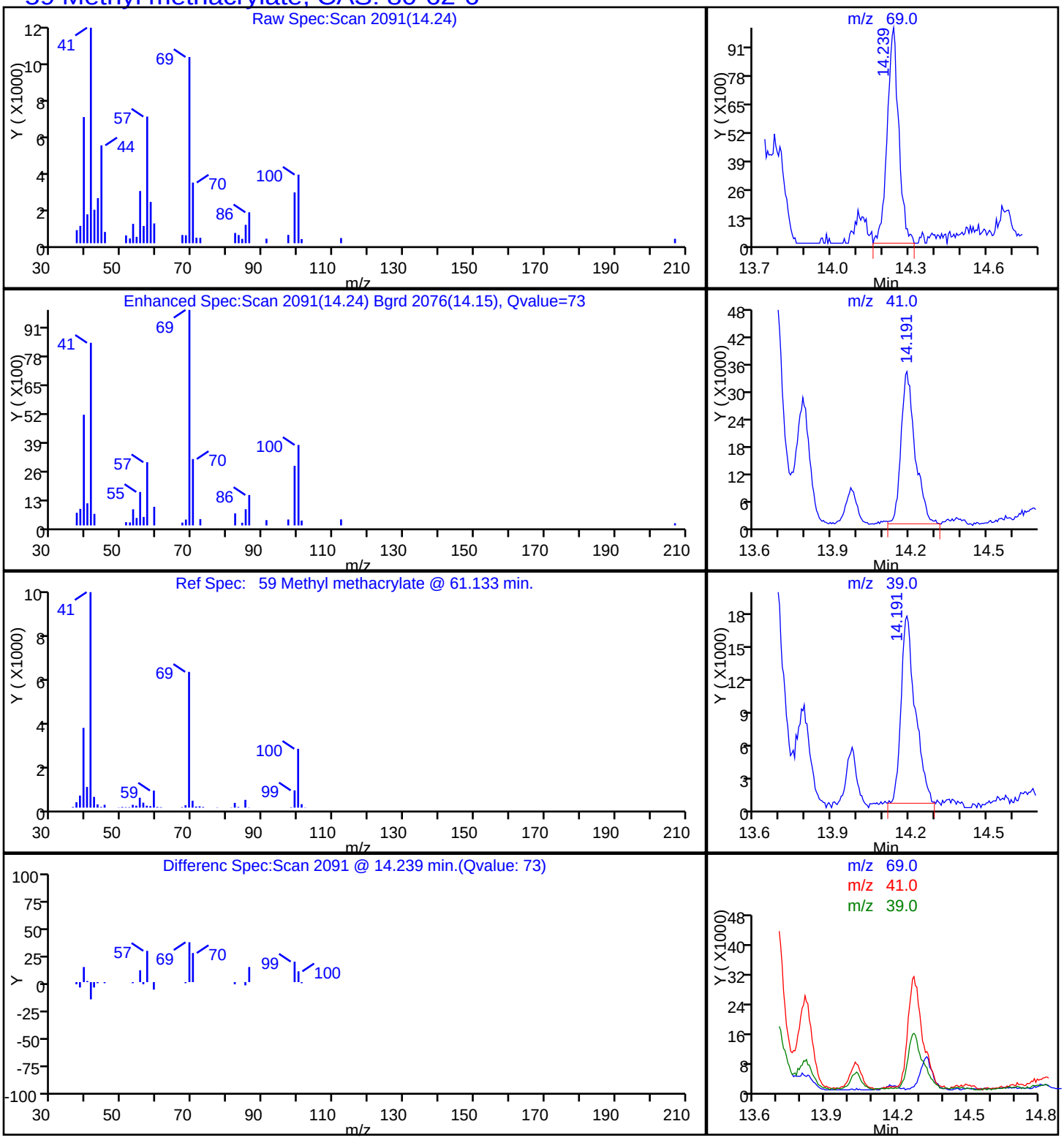
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

59 Methyl methacrylate, CAS: 80-62-6



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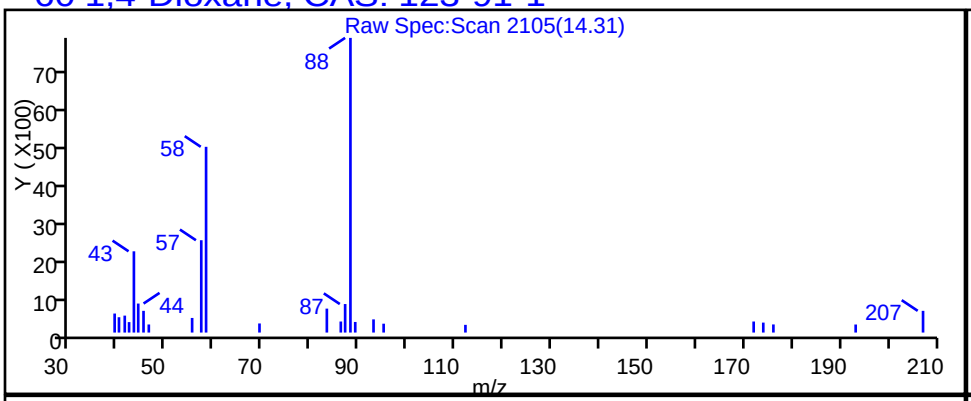
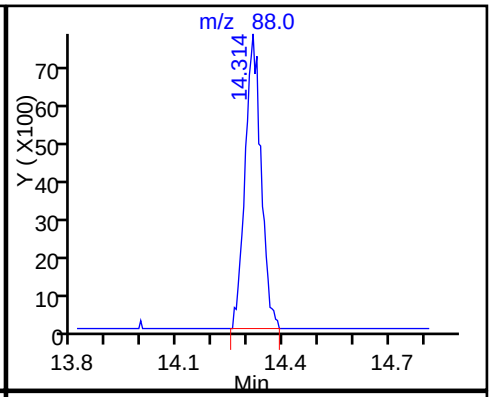
TestAmerica Burlington

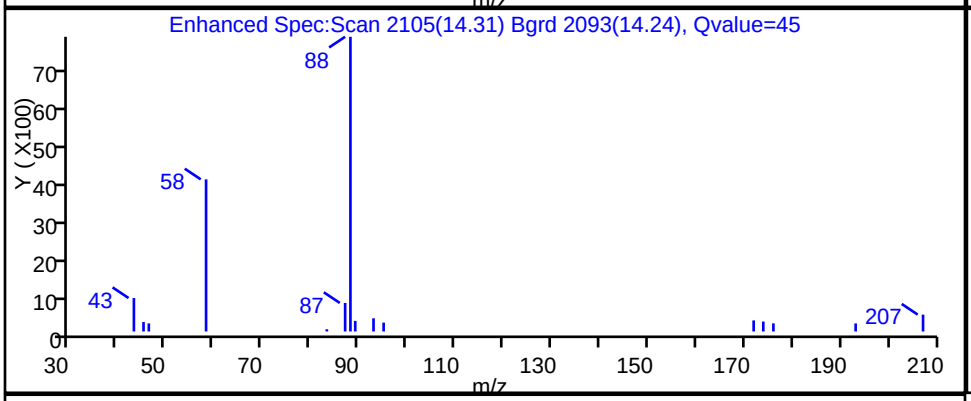
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

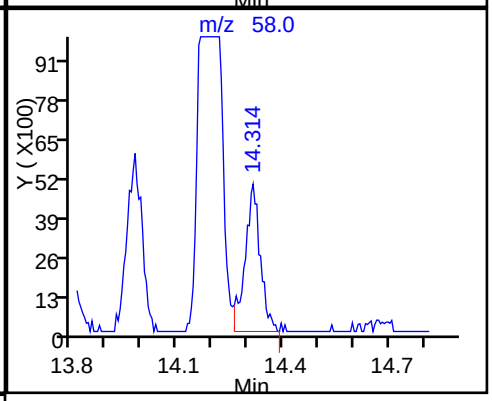
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

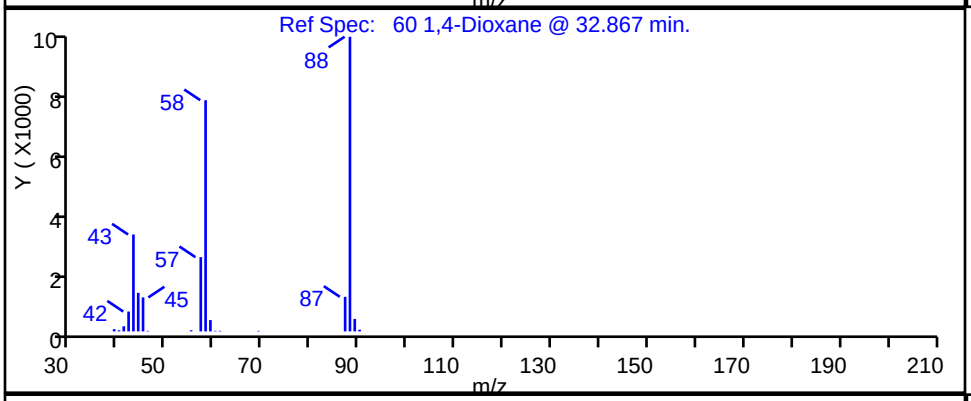
60 1,4-Dioxane, CAS: 123-91-1

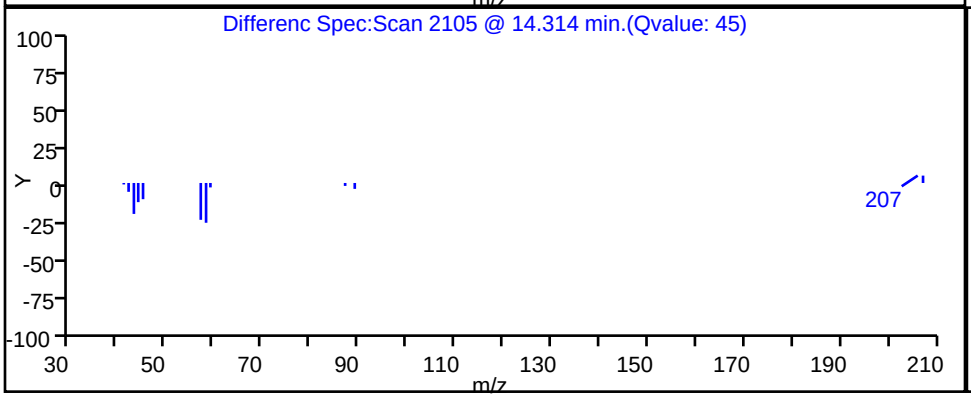


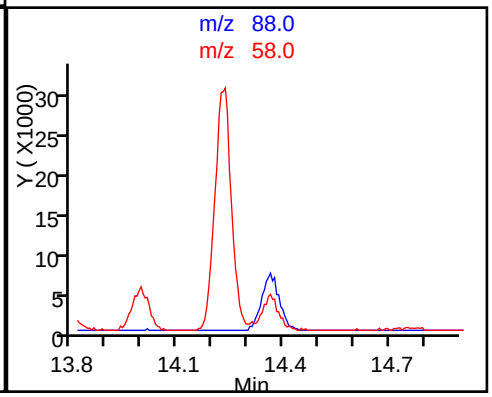












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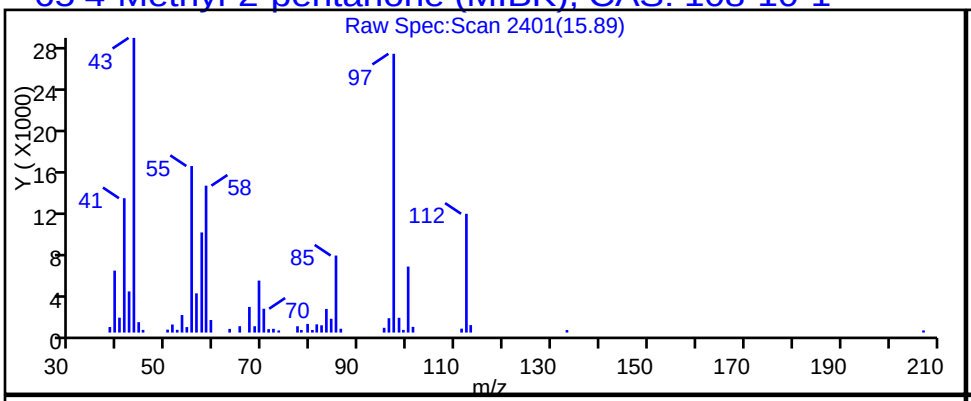
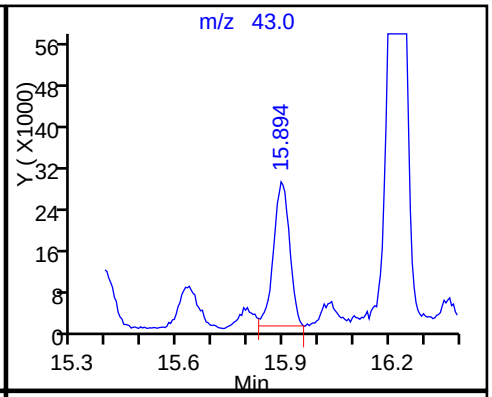
TestAmerica Burlington

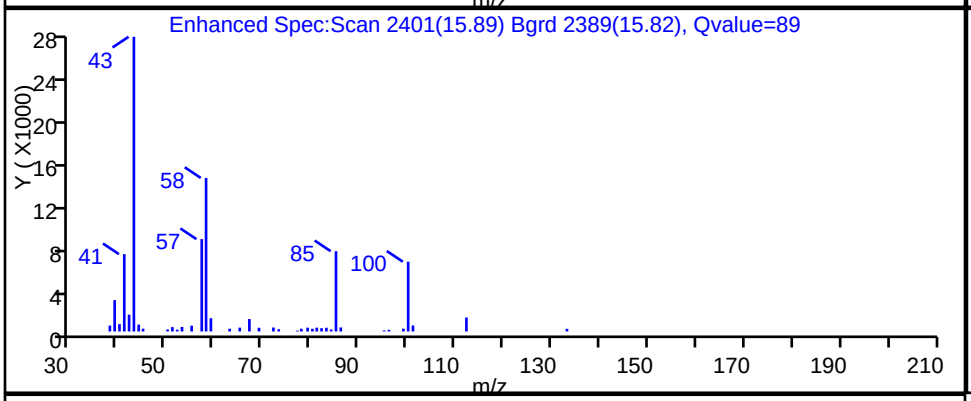
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

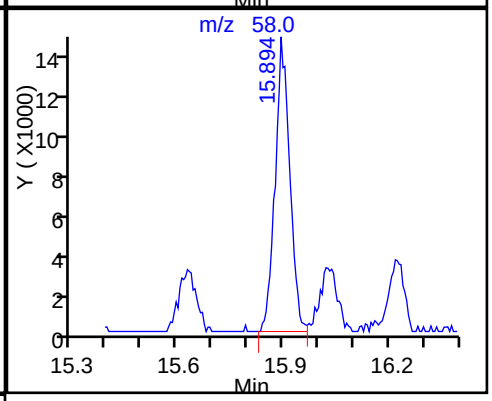
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

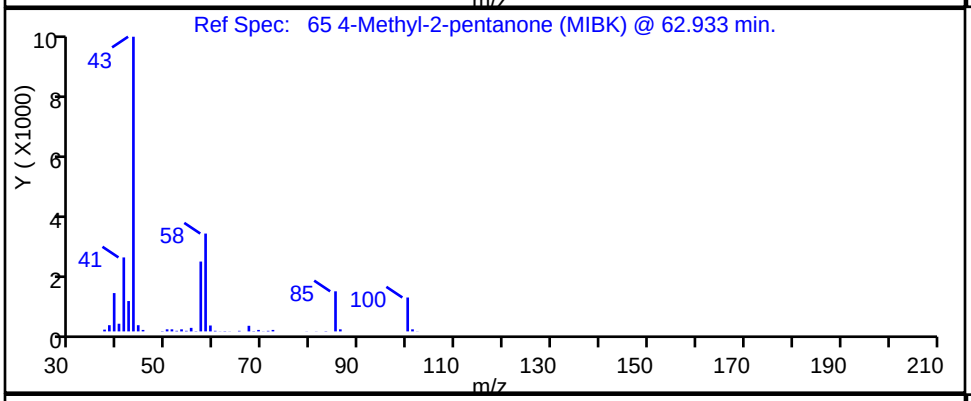
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

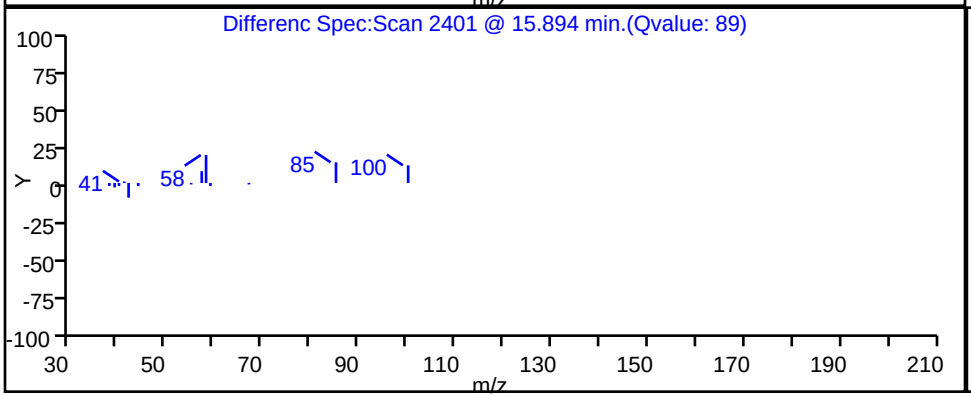


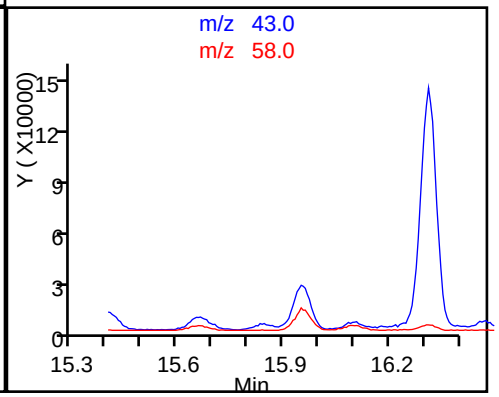












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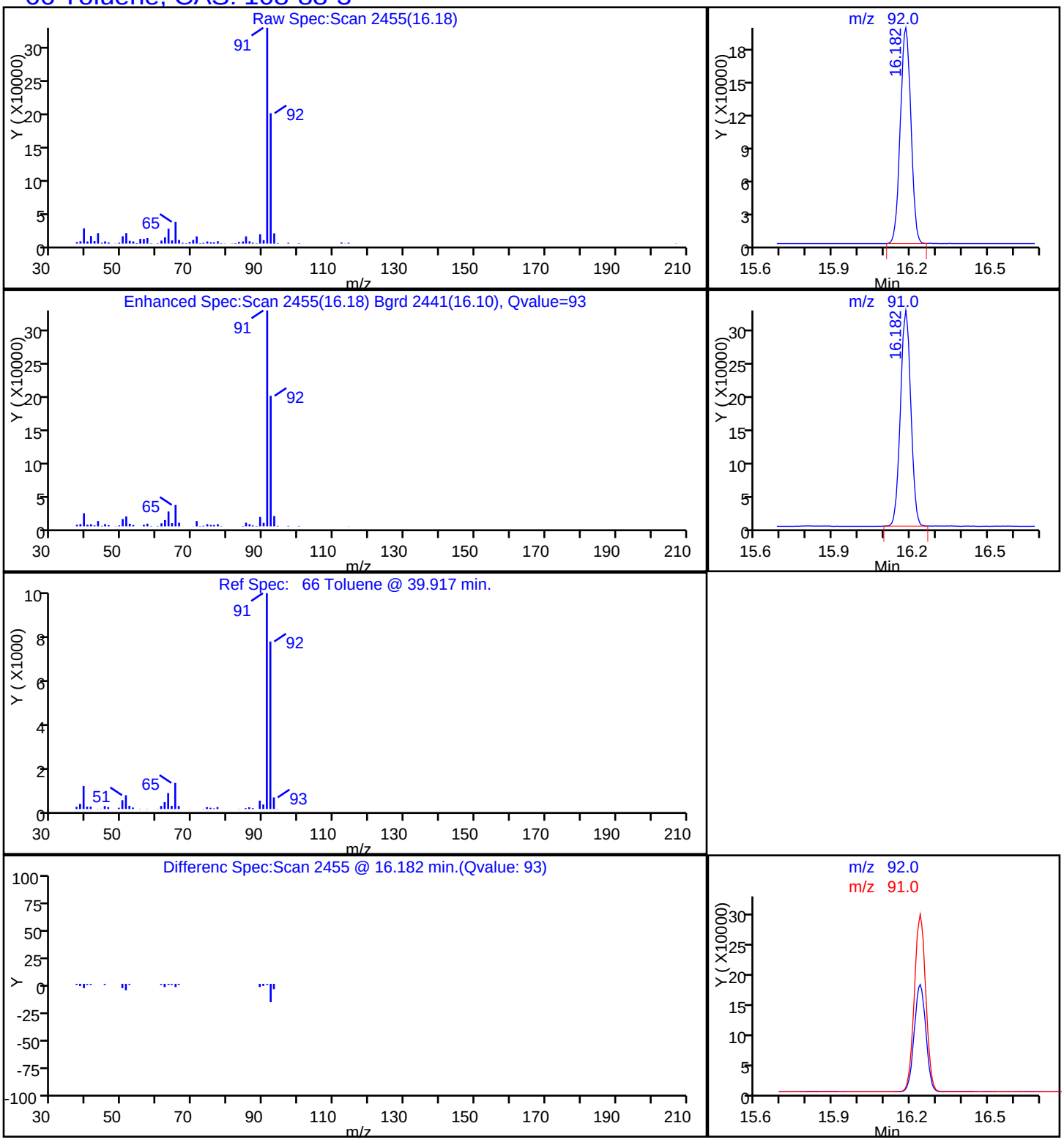
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



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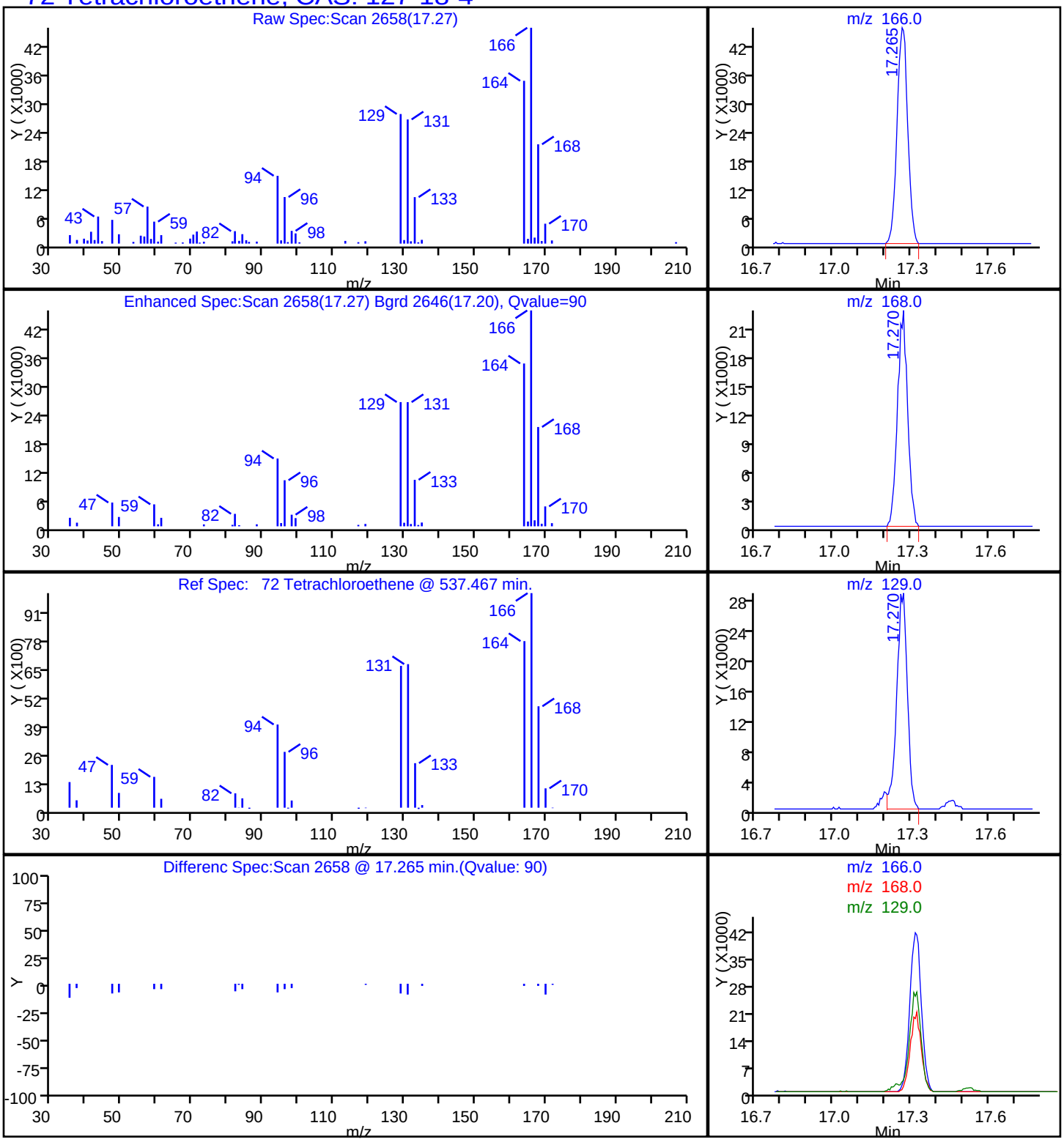
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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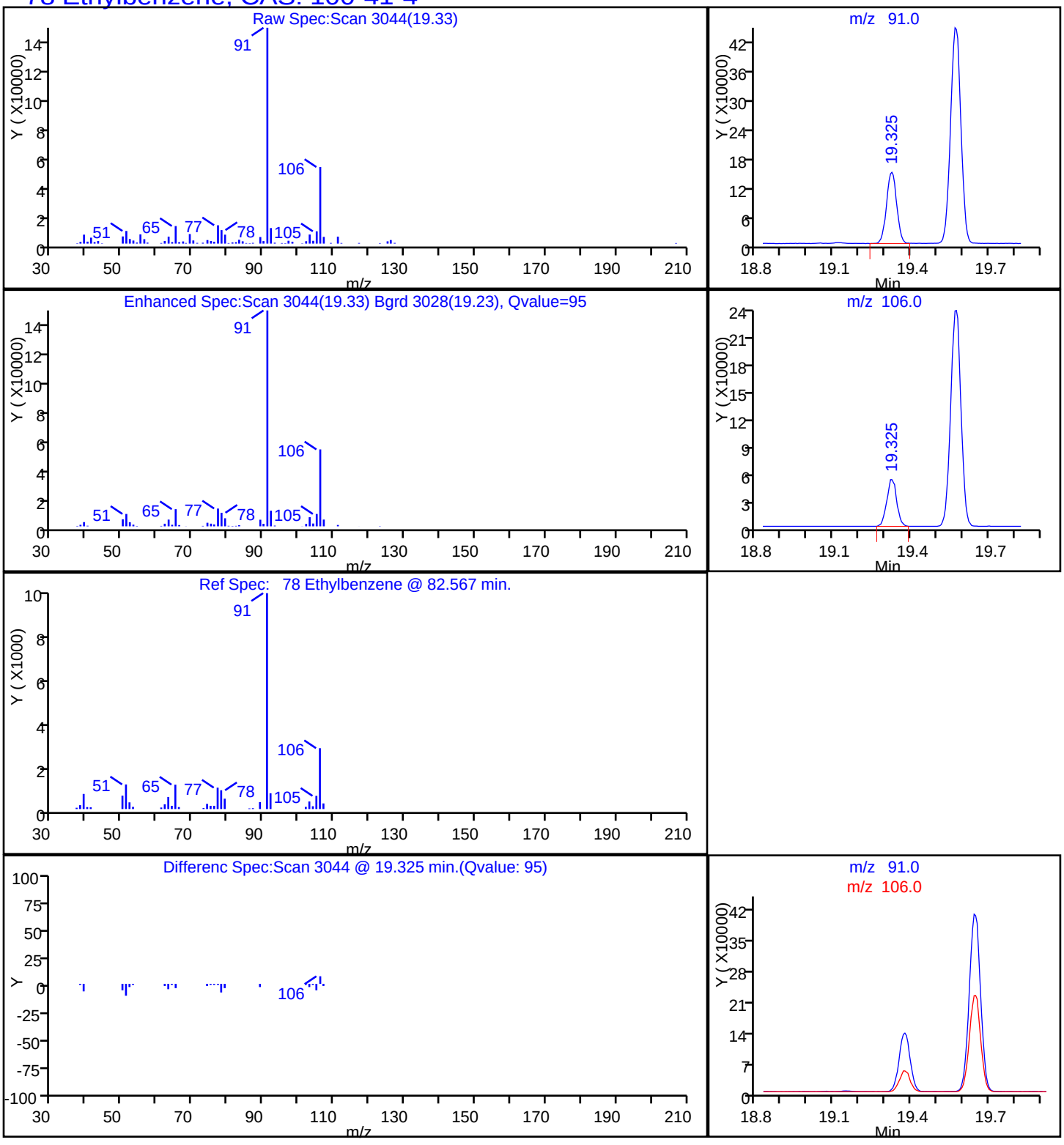
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4



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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
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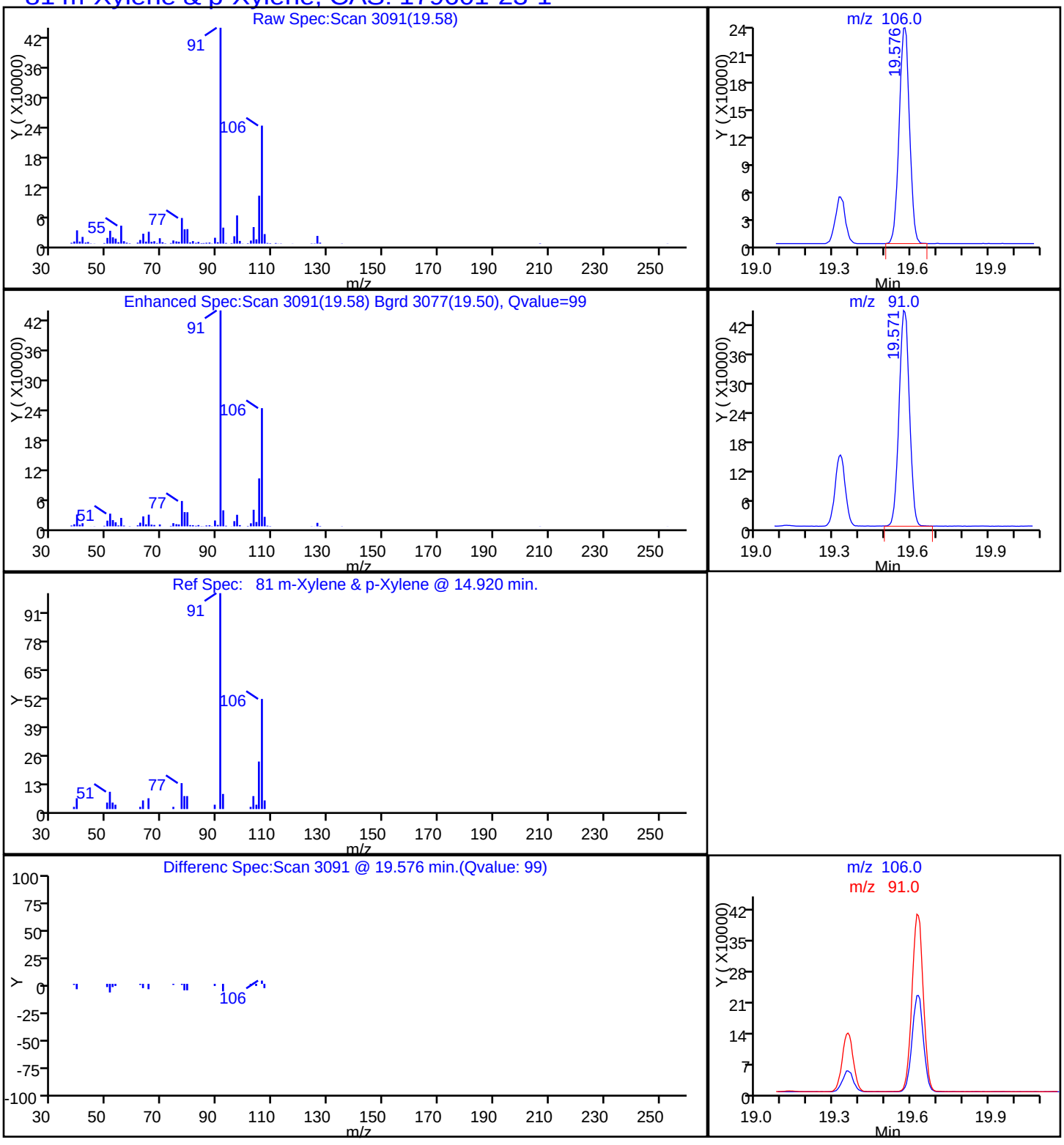
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



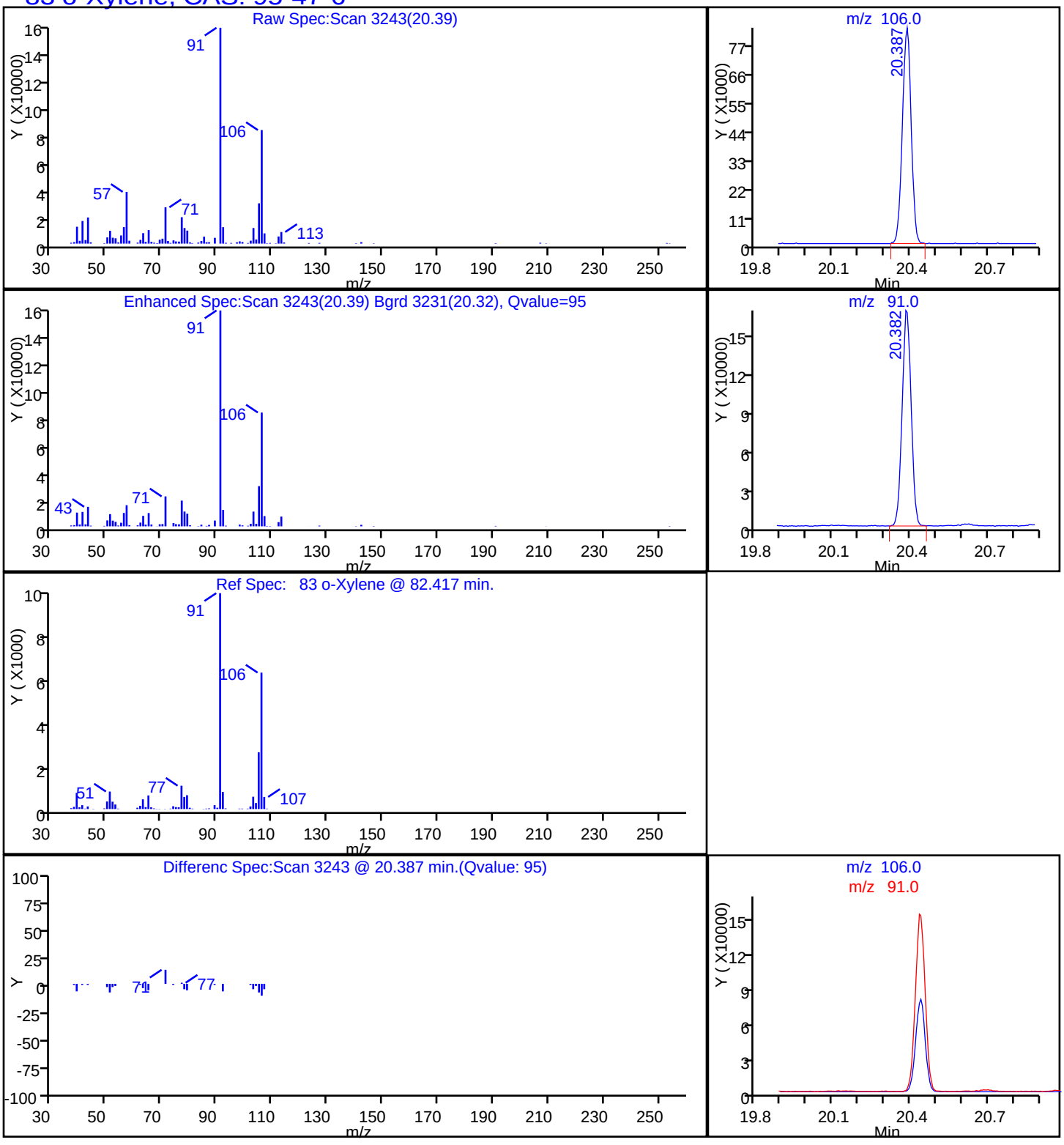
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



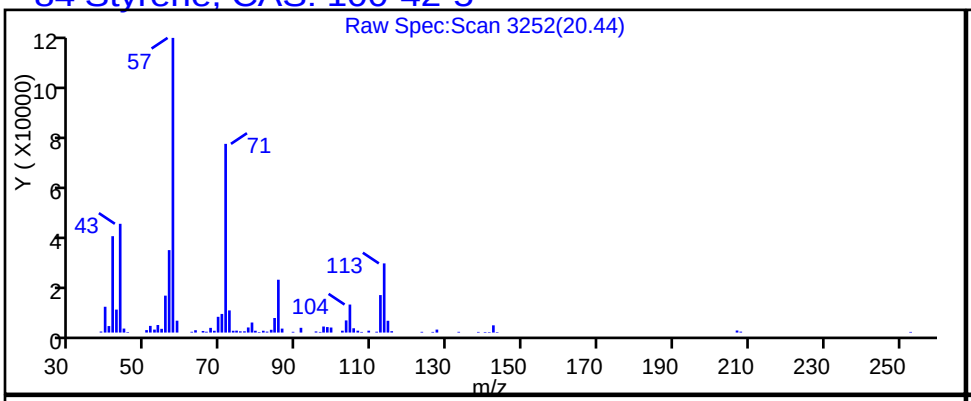
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

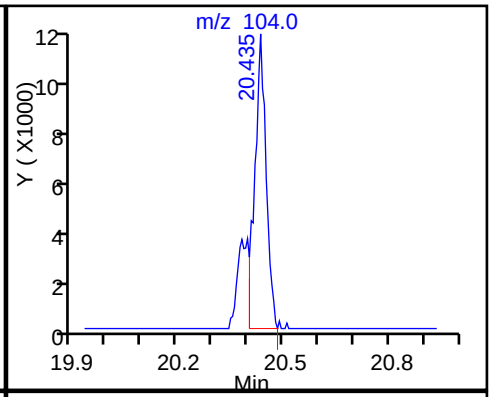
TestAmerica Burlington

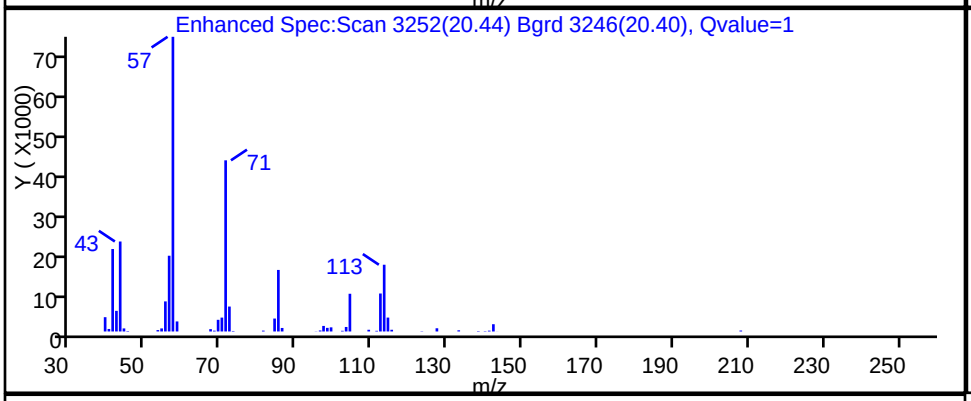
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

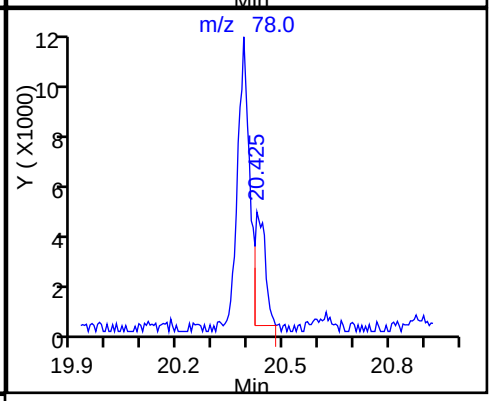
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

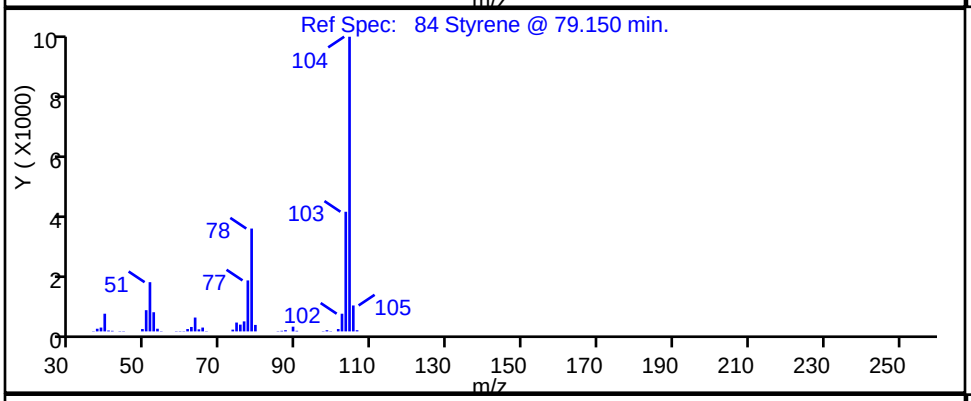
84 Styrene, CAS: 100-42-5

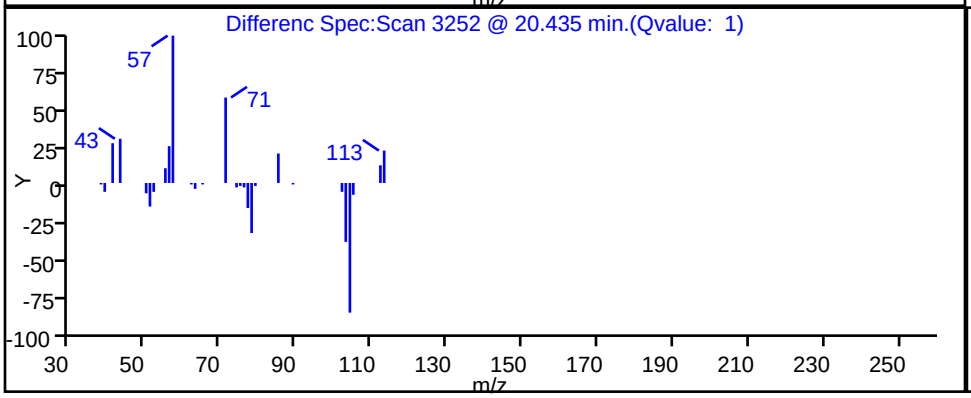


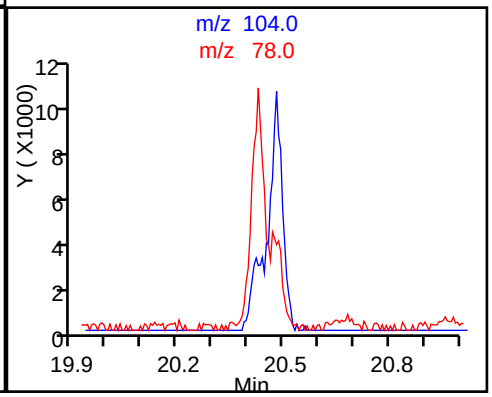












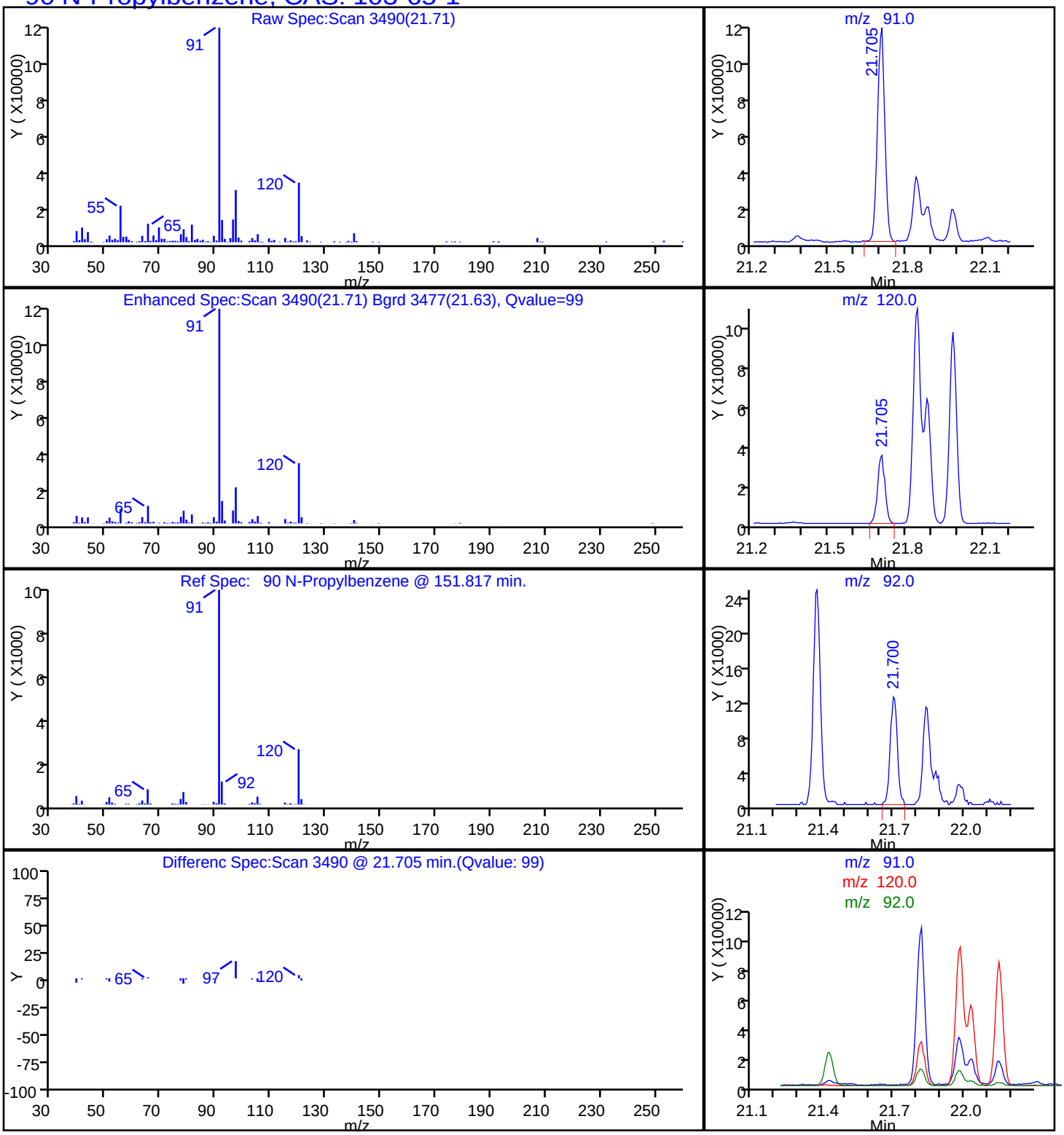
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

90 N-Propylbenzene, CAS: 103-65-1



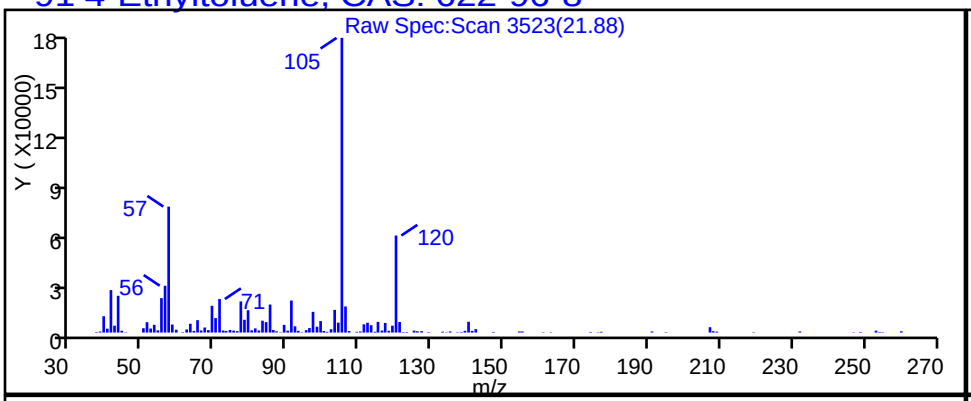
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

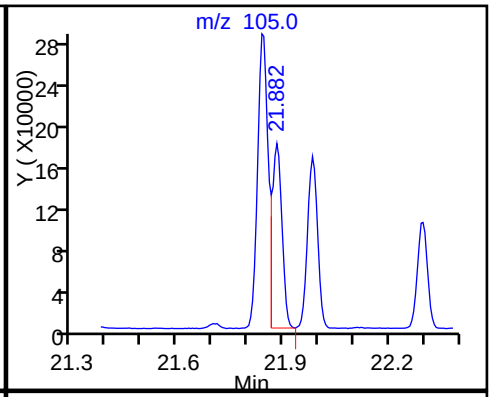
TestAmerica Burlington

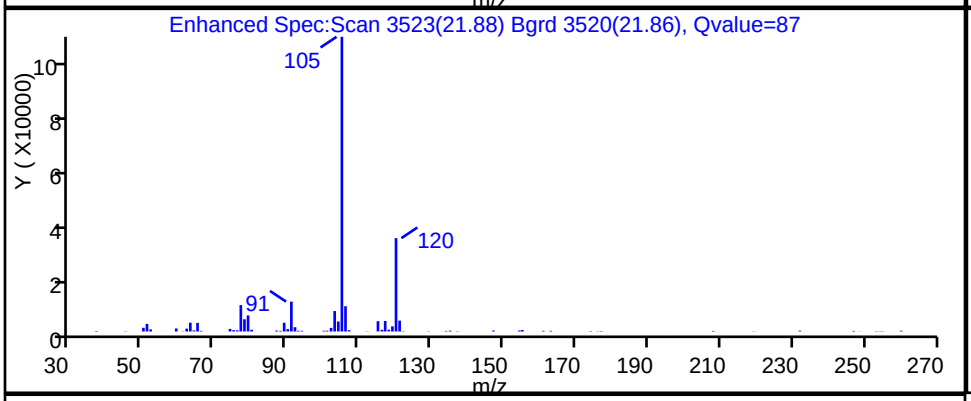
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

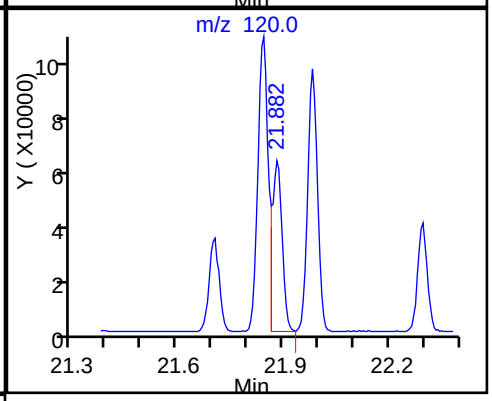
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

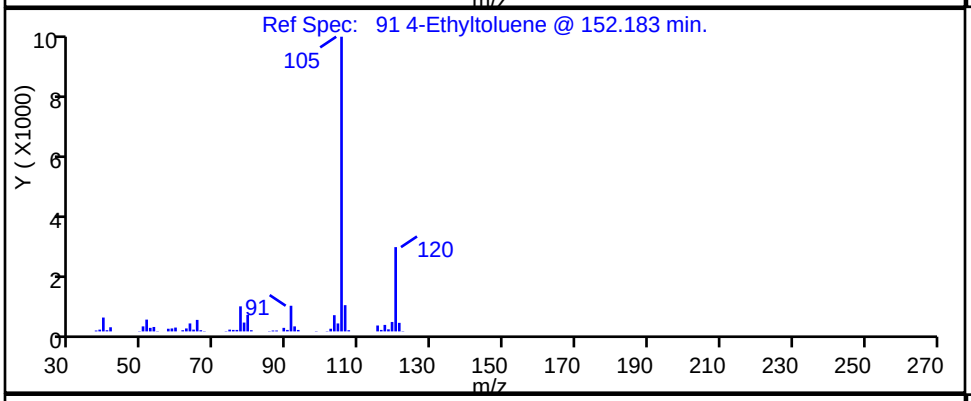
91 4-Ethyltoluene, CAS: 622-96-8

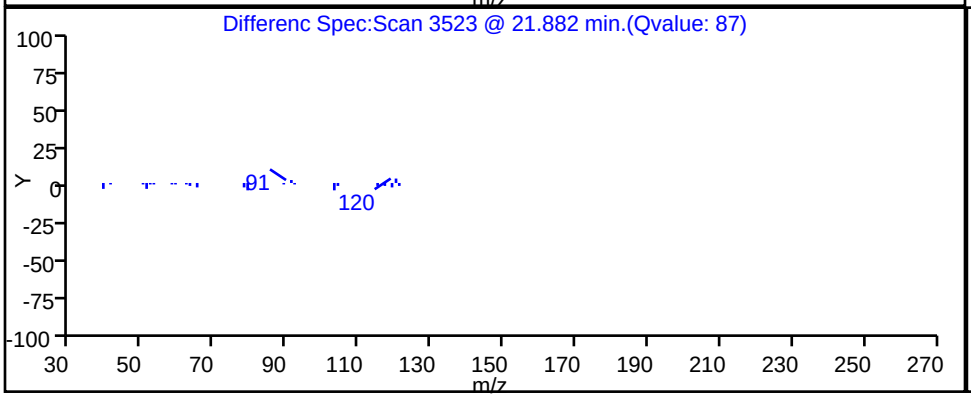


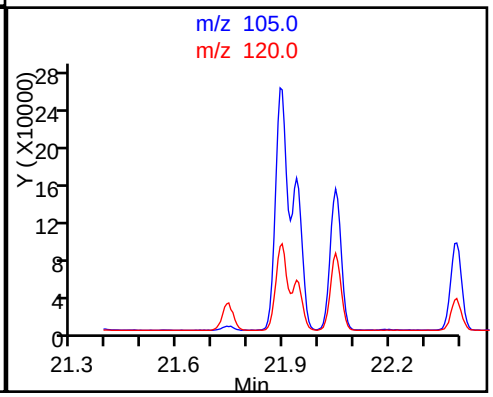












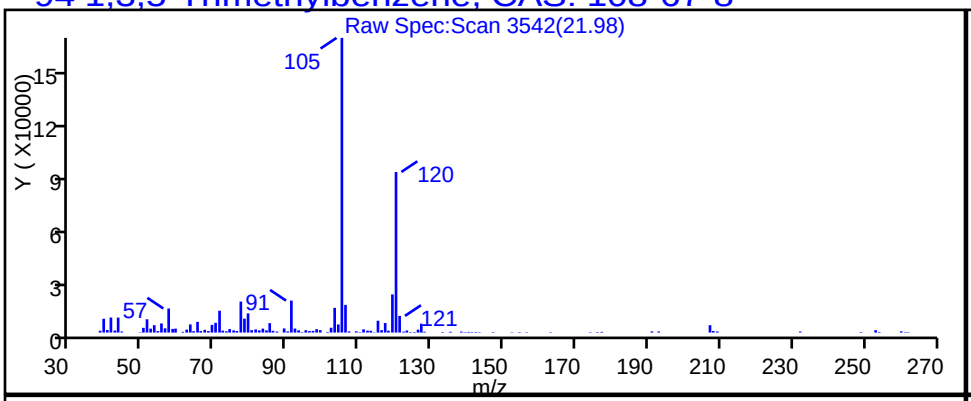
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

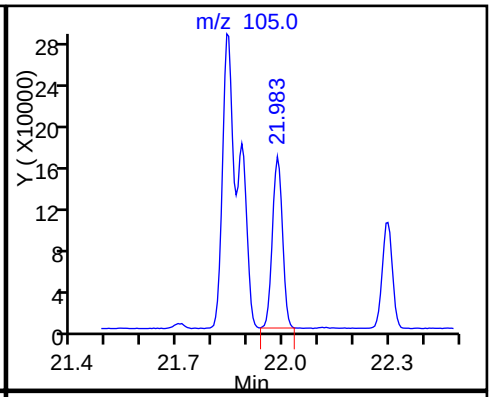
TestAmerica Burlington

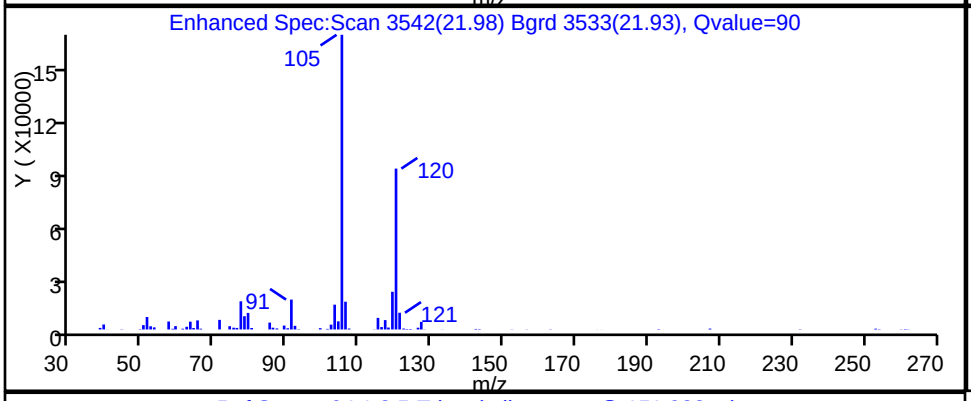
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

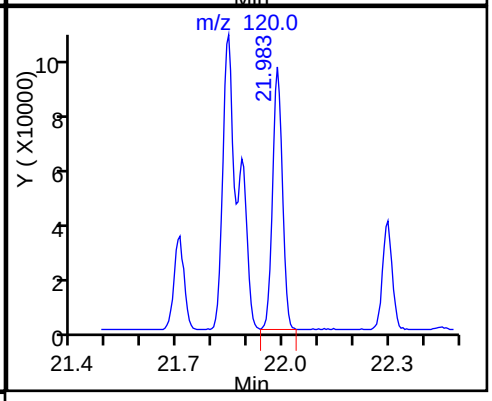
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

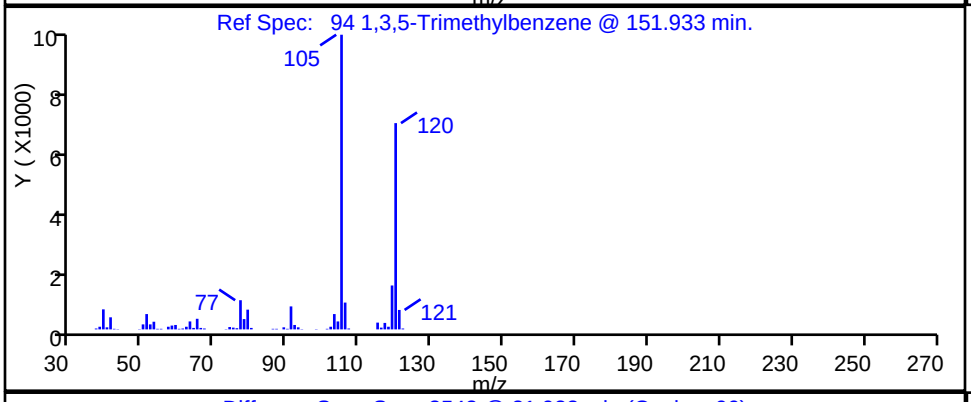
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

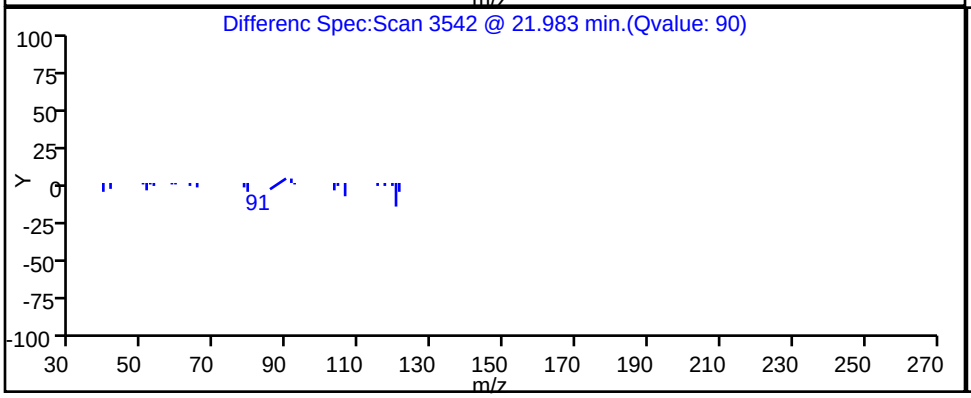


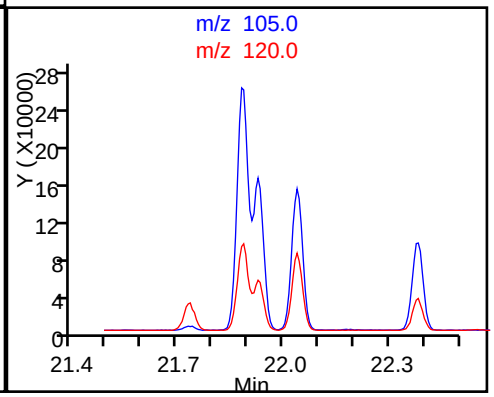












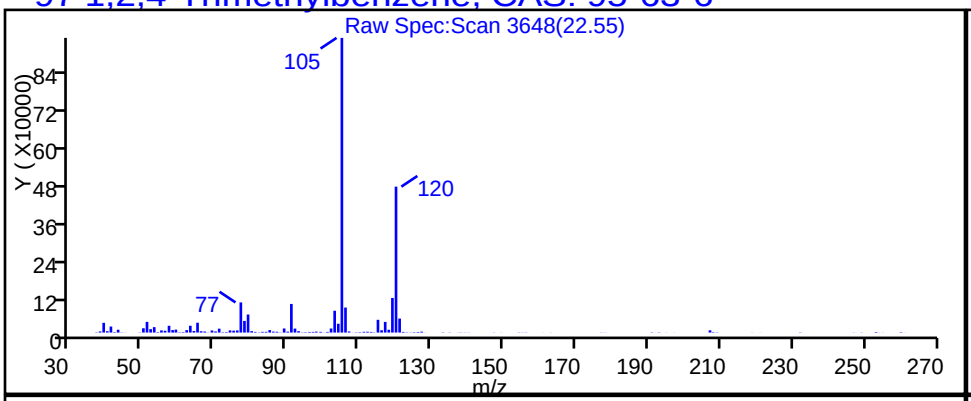
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

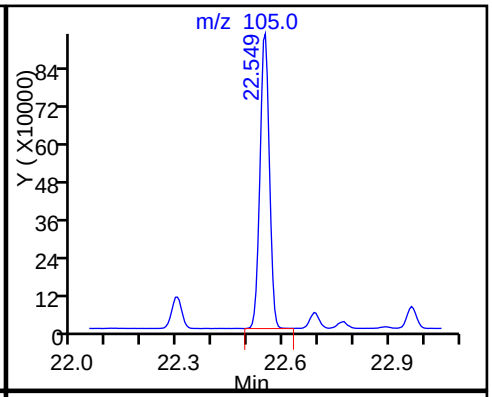
TestAmerica Burlington

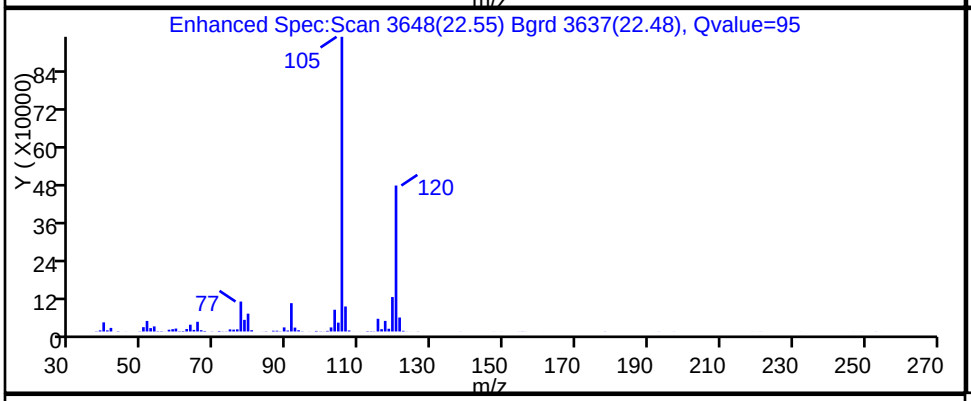
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

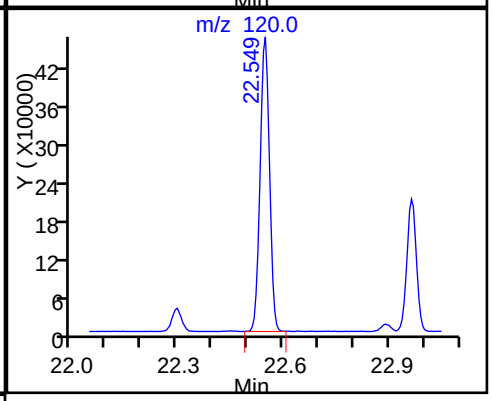
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

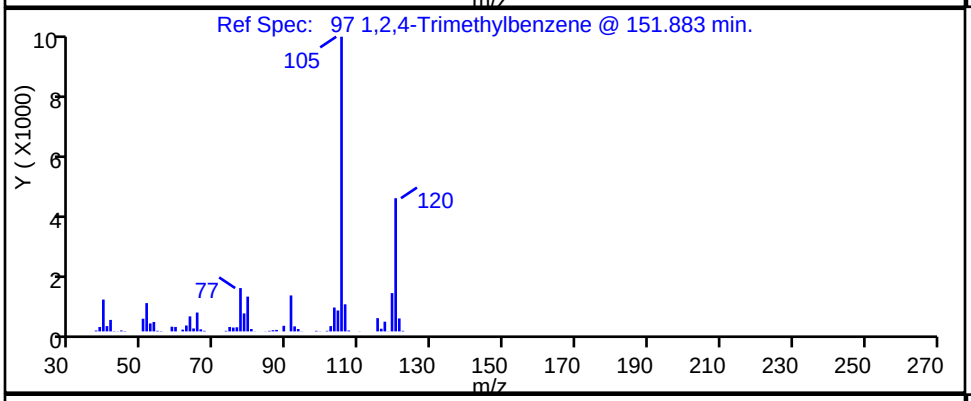
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

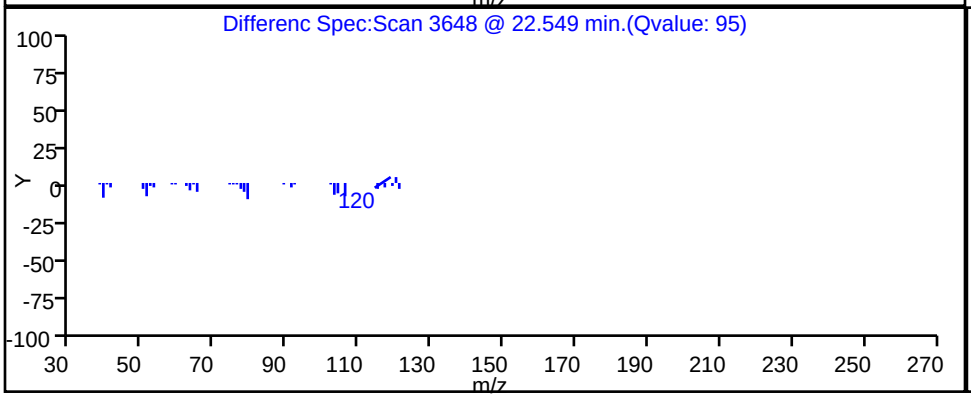


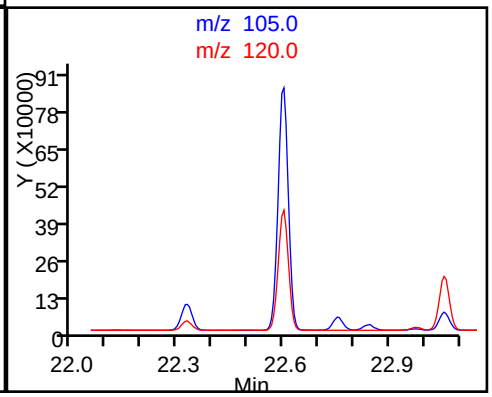












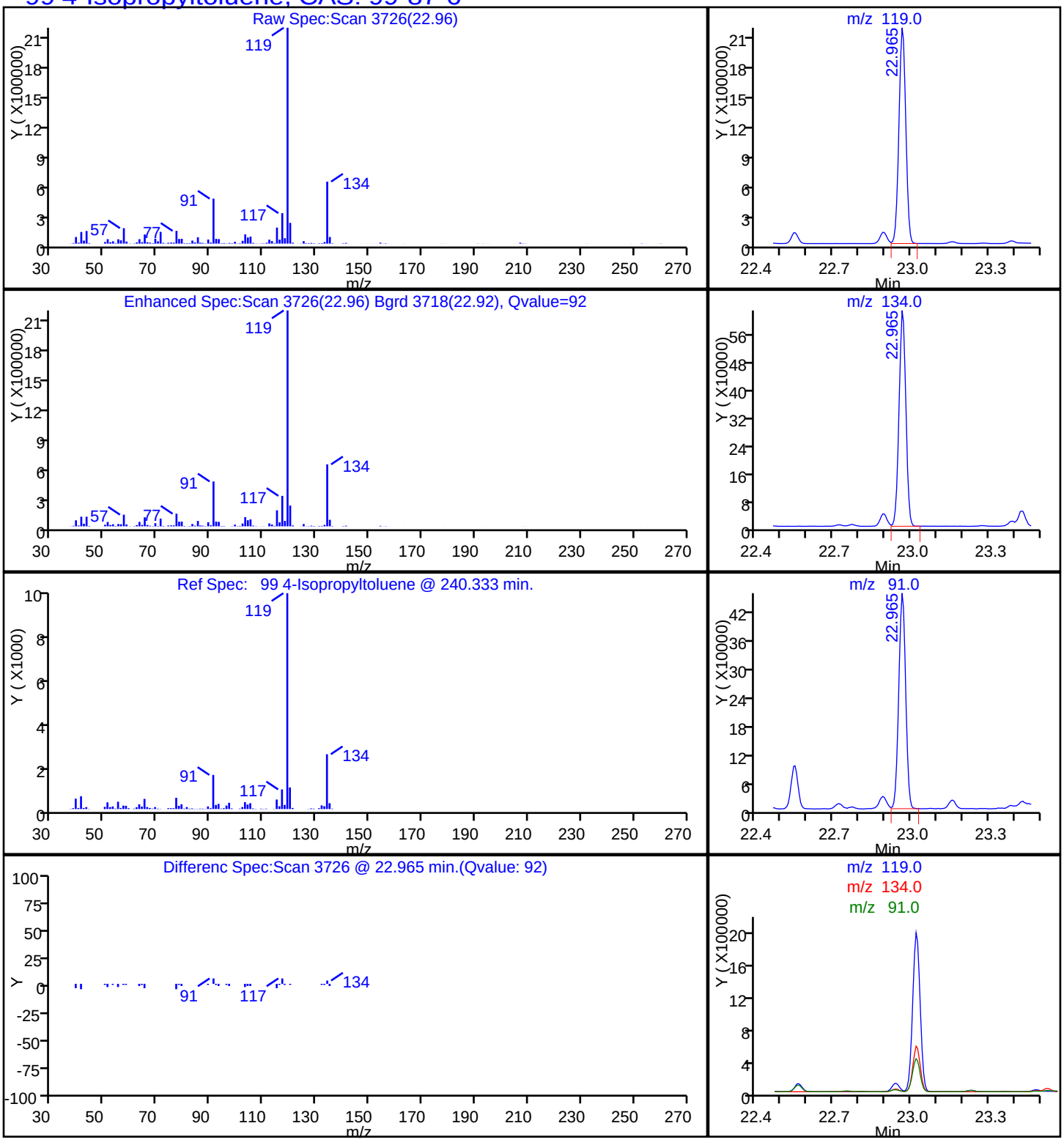
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

99 4-Isopropyltoluene, CAS: 99-87-6



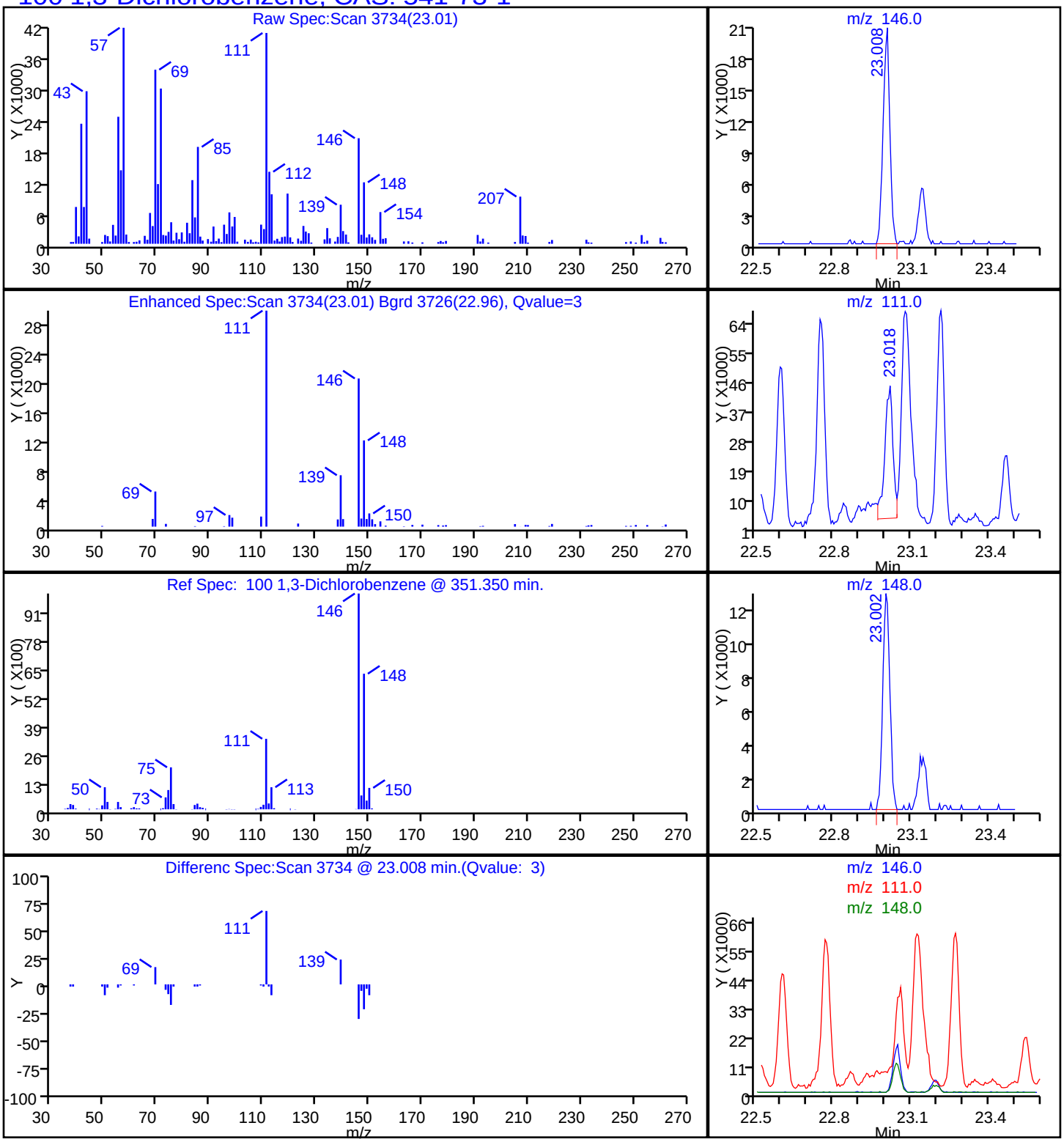
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



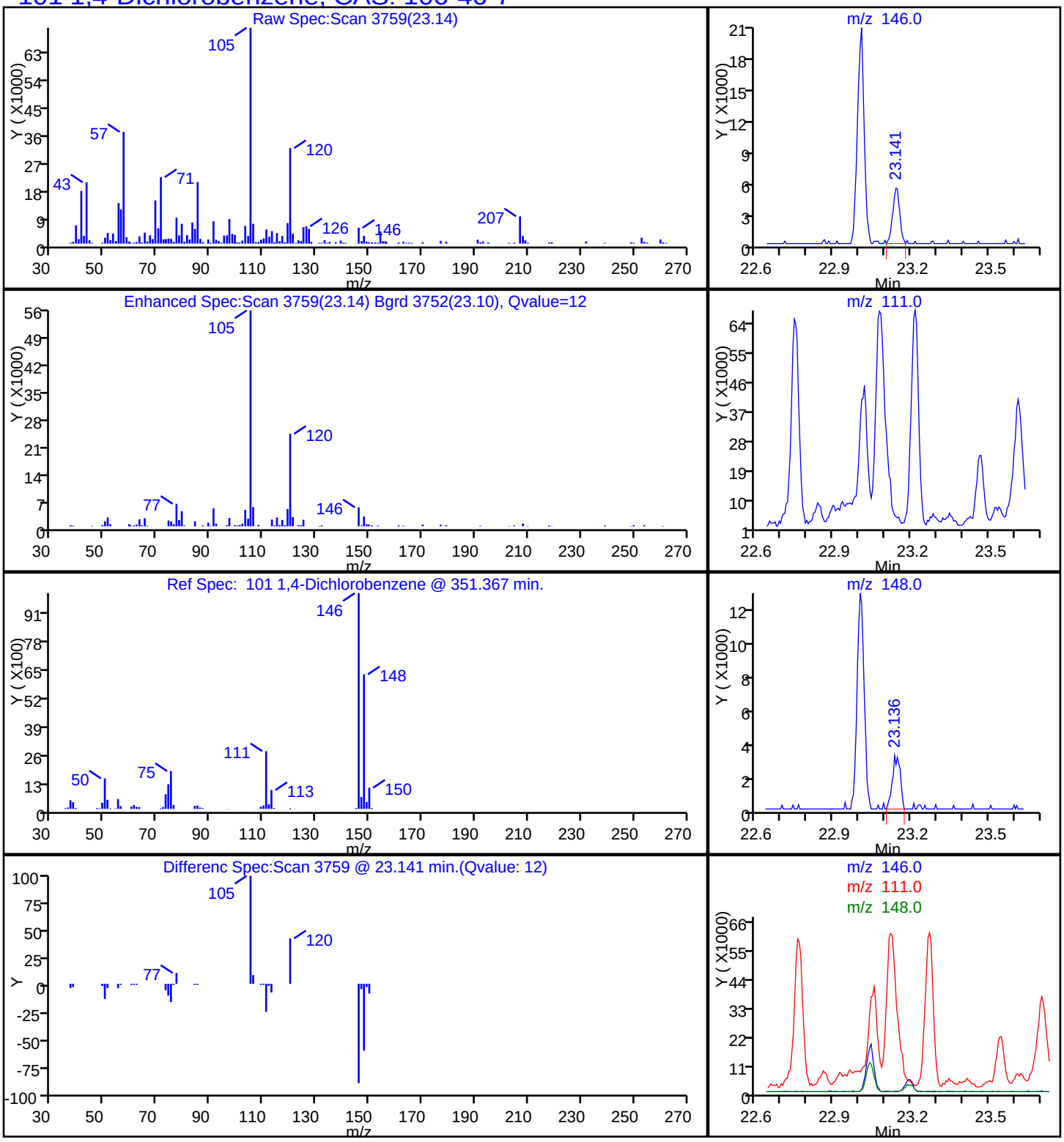
Report Date: 11-Apr-2014 11:04:56 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

101 1,4-Dichlorobenzene, CAS: 106-46-7



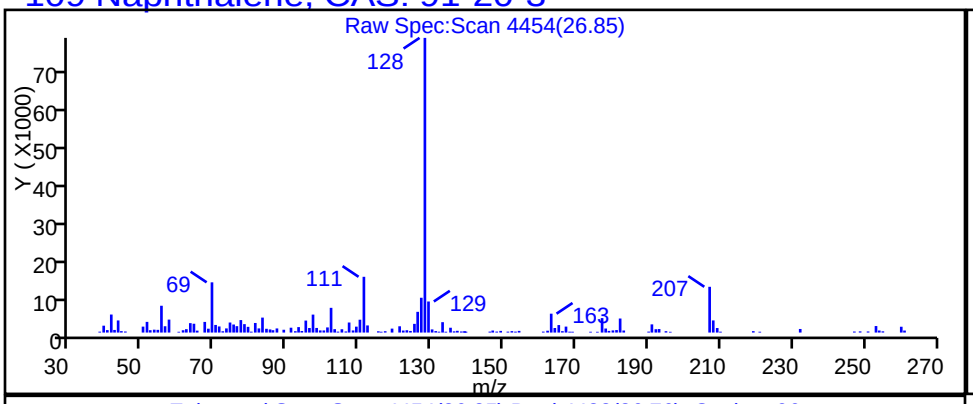
Report Date: 11-Apr-2014 11:04:57 Chrom Revision: 2.2 10-Apr-2014 15:11:30

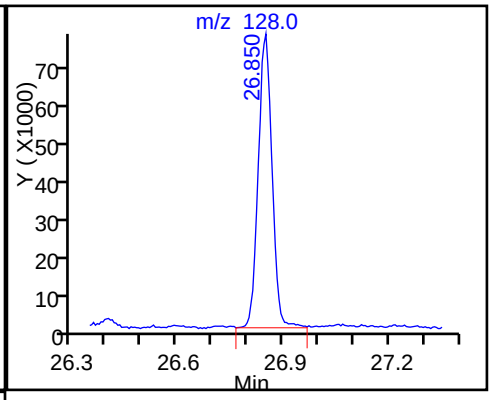
TestAmerica Burlington

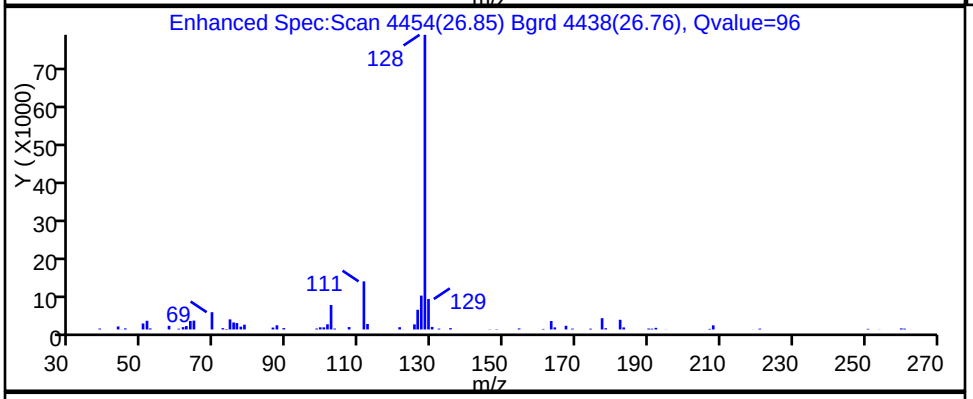
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D

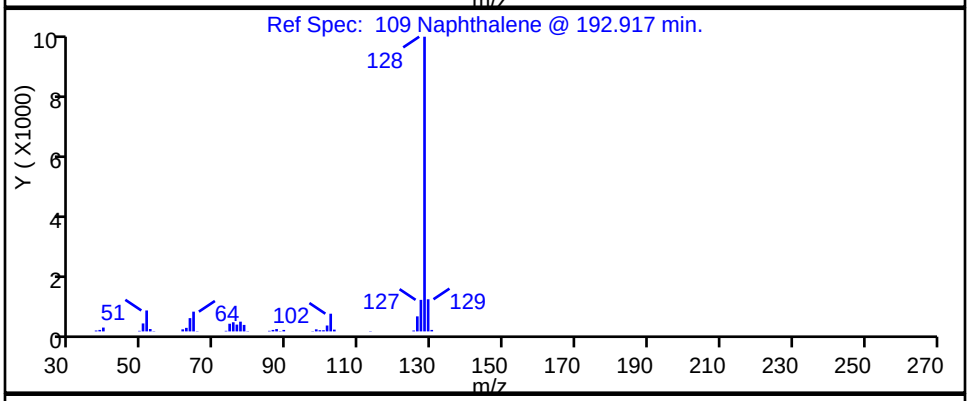
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

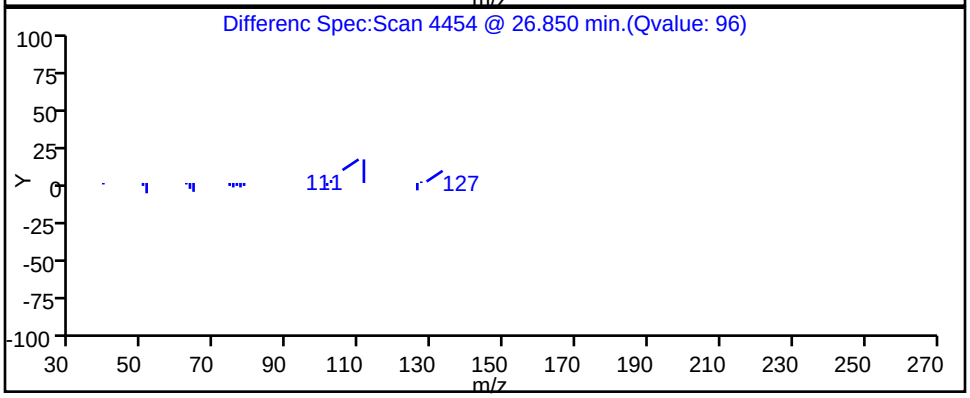
109 Naphthalene, CAS: 91-20-3











Manual Integration/User Assign Peak Report

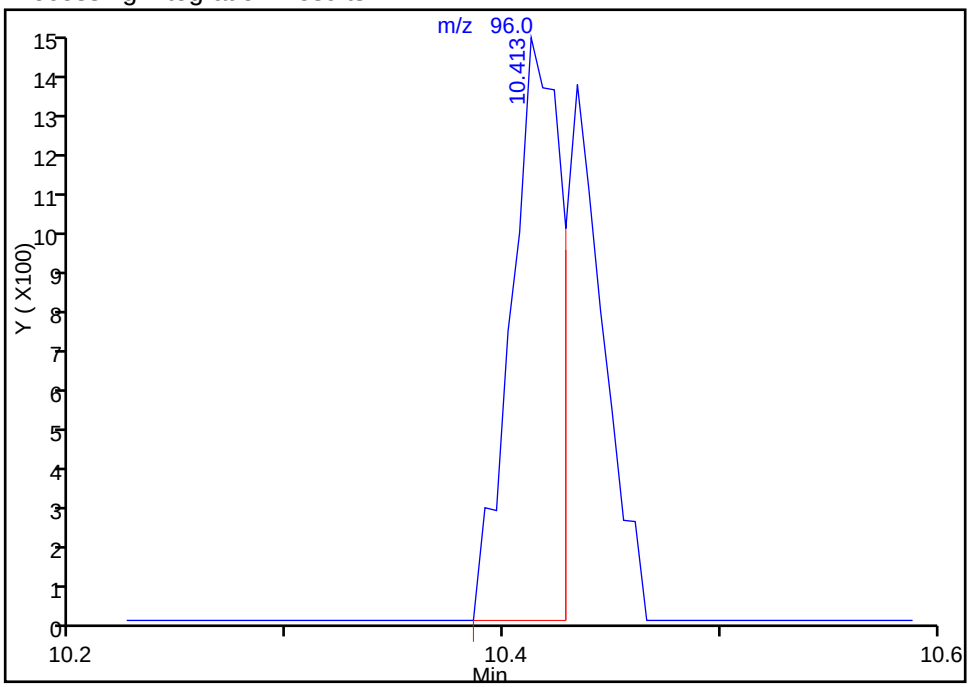
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D				
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2

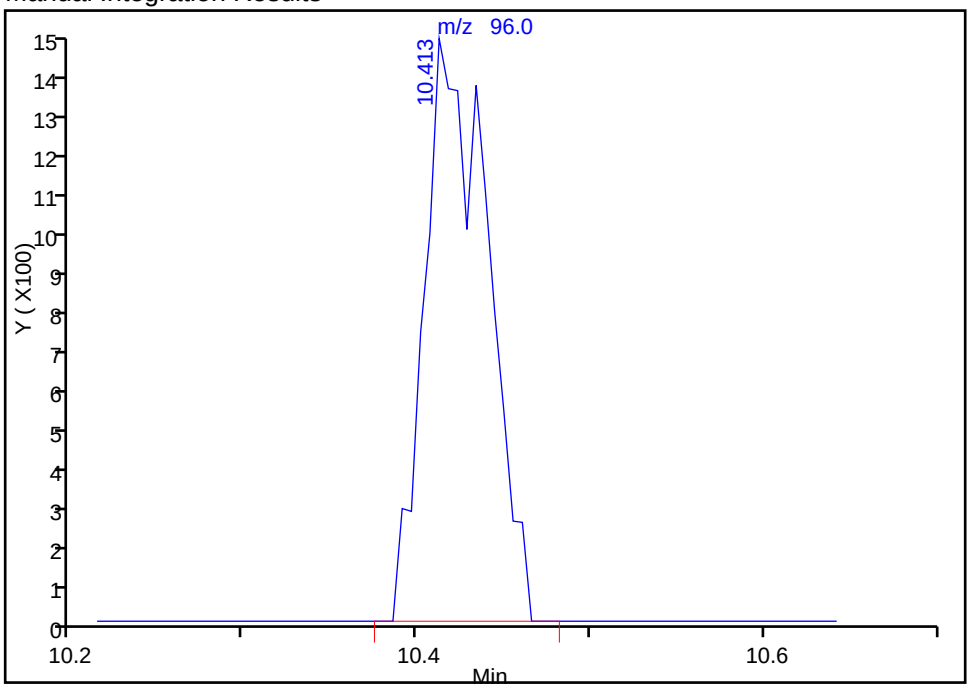
Processing Integration Results

RT: 10.41
Response: 2311
Amount: 0.037490



Manual Integration Results

RT: 10.41
Response: 3638
Amount: 0.059018



Reviewer: desjardinsb, 11-Apr-2014 11:04:55
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

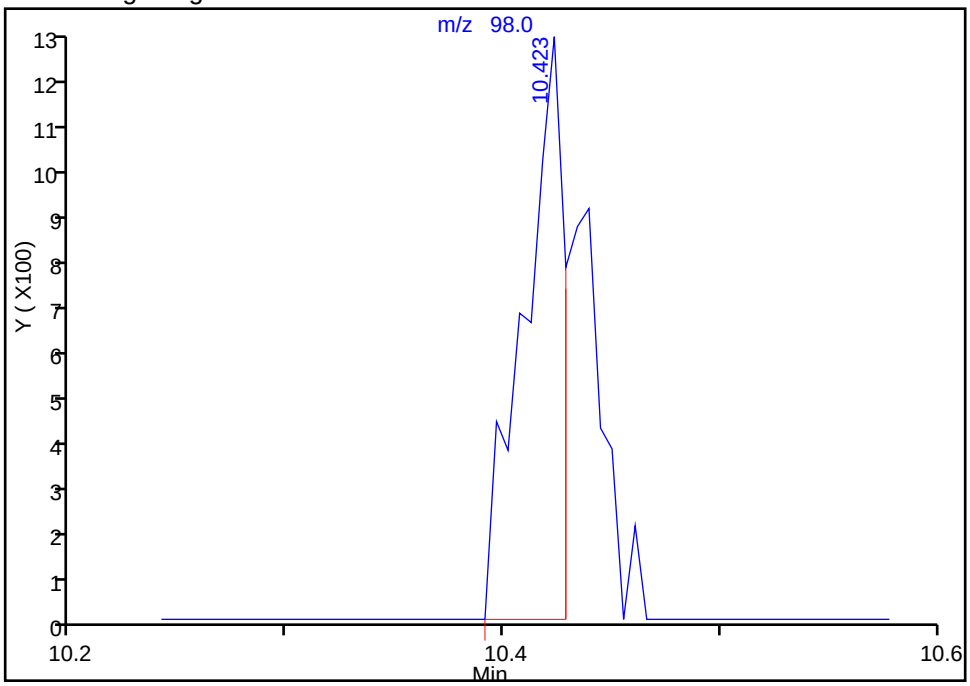
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D				
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2

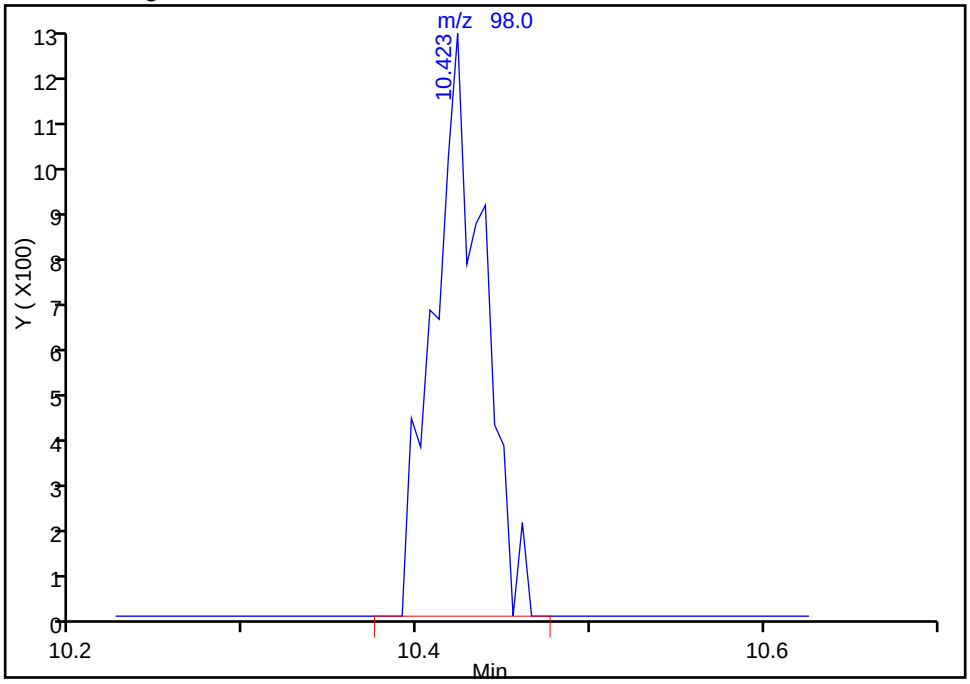
Processing Integration Results

RT: 10.42
Response: 1634
Amount: 0.037490



Manual Integration Results

RT: 10.42
Response: 2505
Amount: 0.059018



Reviewer: desjardinsb, 11-Apr-2014 11:04:55
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

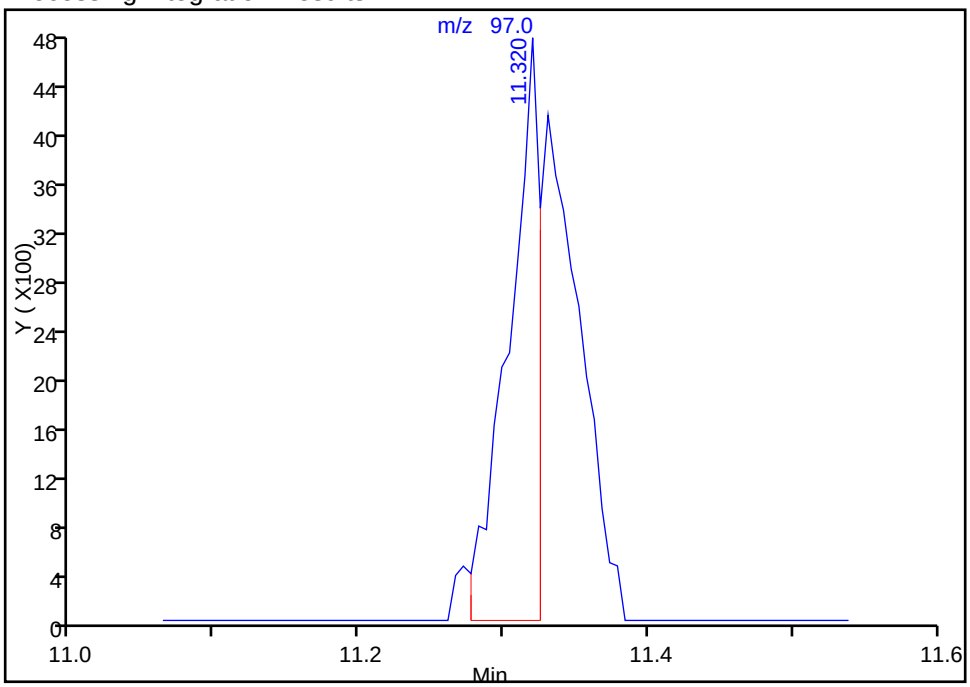
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D				
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

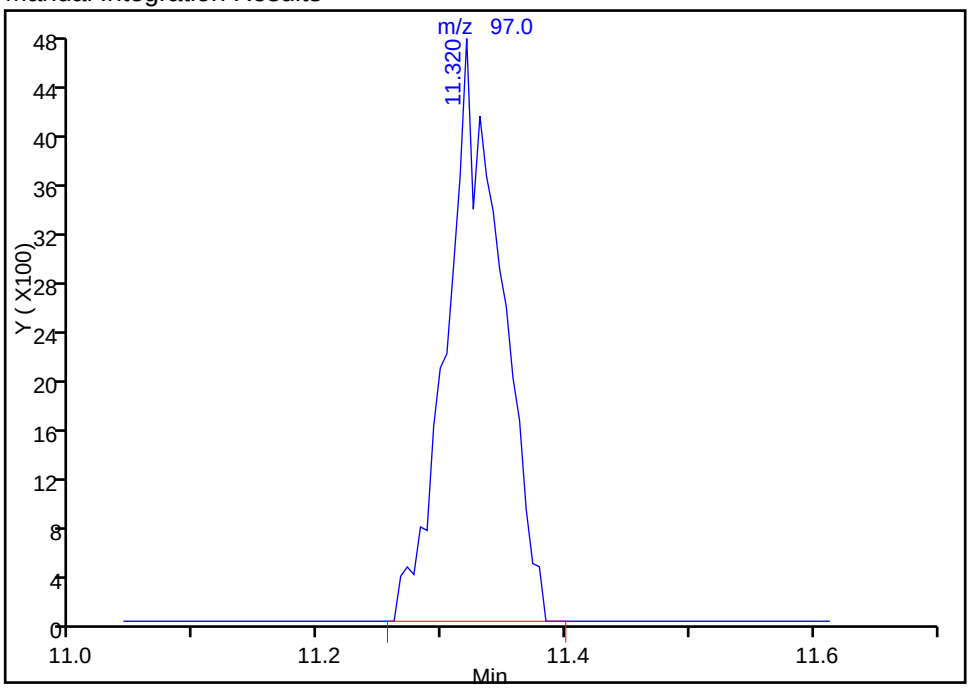
Processing Integration Results

RT: 11.32
Response: 7101
Amount: 0.043664



Manual Integration Results

RT: 11.32
Response: 14338
Amount: 0.088164



Reviewer: desjardinsb, 11-Apr-2014 11:04:55
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

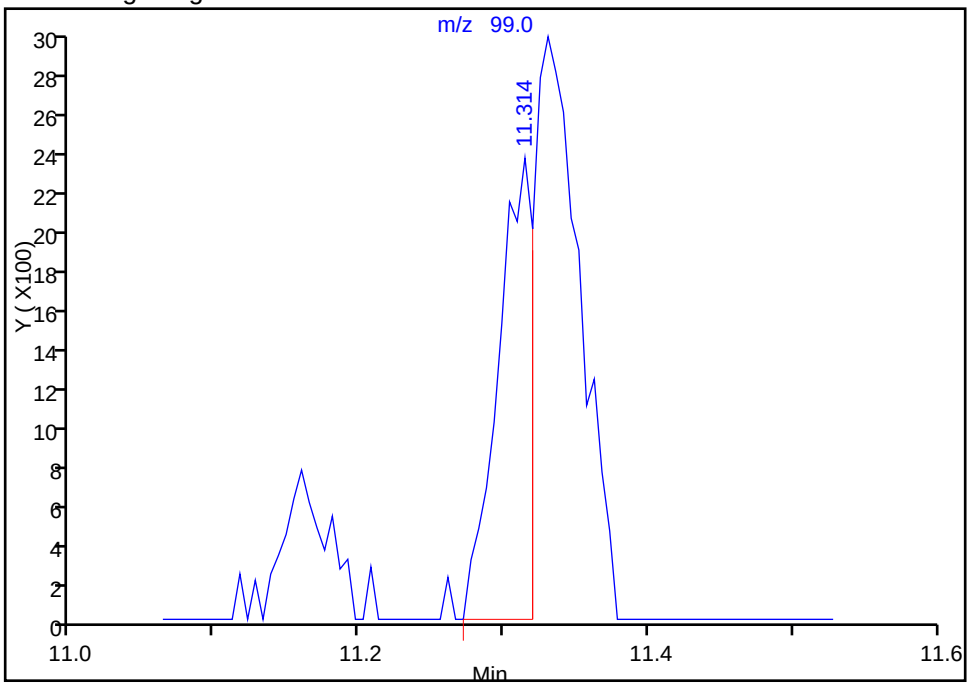
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D				
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

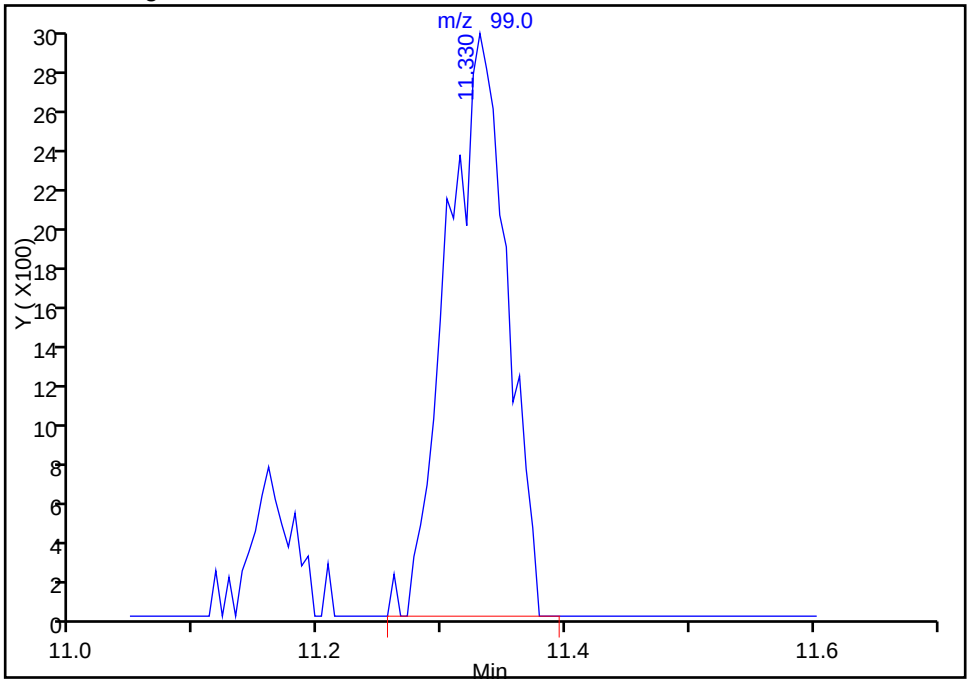
Processing Integration Results

RT: 11.31
Response: 4024
Amount: 0.043664



Manual Integration Results

RT: 11.33
Response: 10089
Amount: 0.088164



Reviewer: desjardinsb, 11-Apr-2014 11:04:55
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

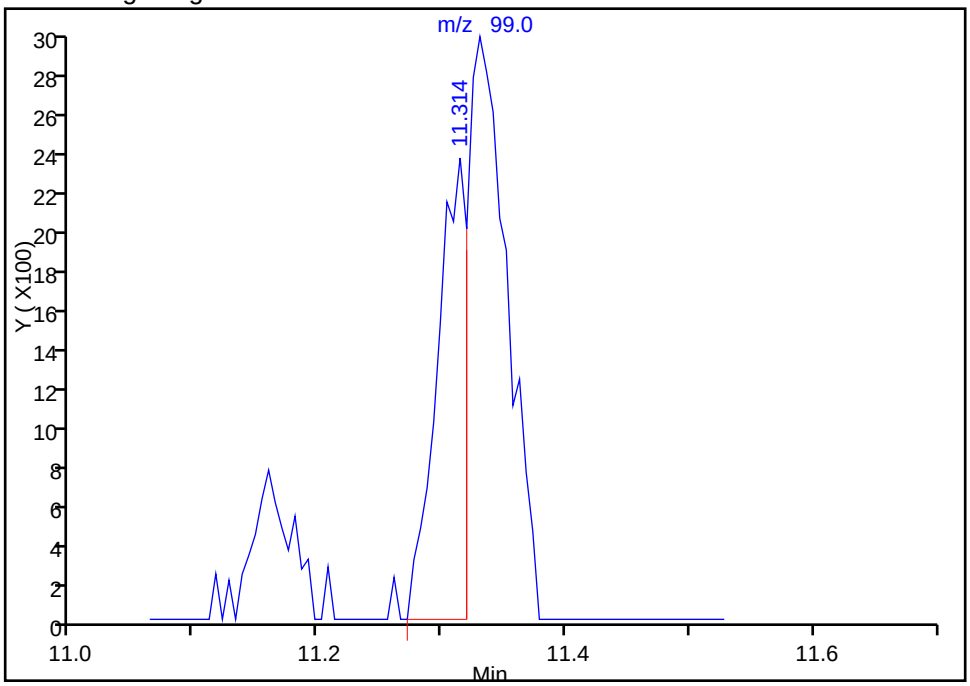
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D				
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

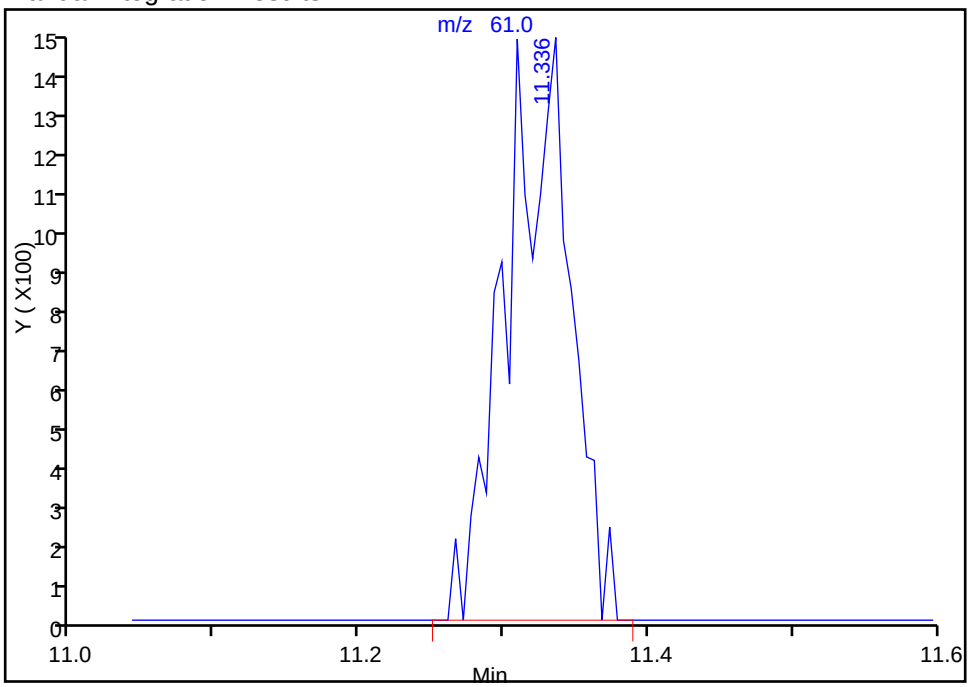
Processing Integration Results

RT: 11.33
Response: 0
Amount: 0.043664



Manual Integration Results

RT: 11.34
Response: 4635
Amount: 0.088164



Reviewer: desjardinsb, 11-Apr-2014 11:04:55
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

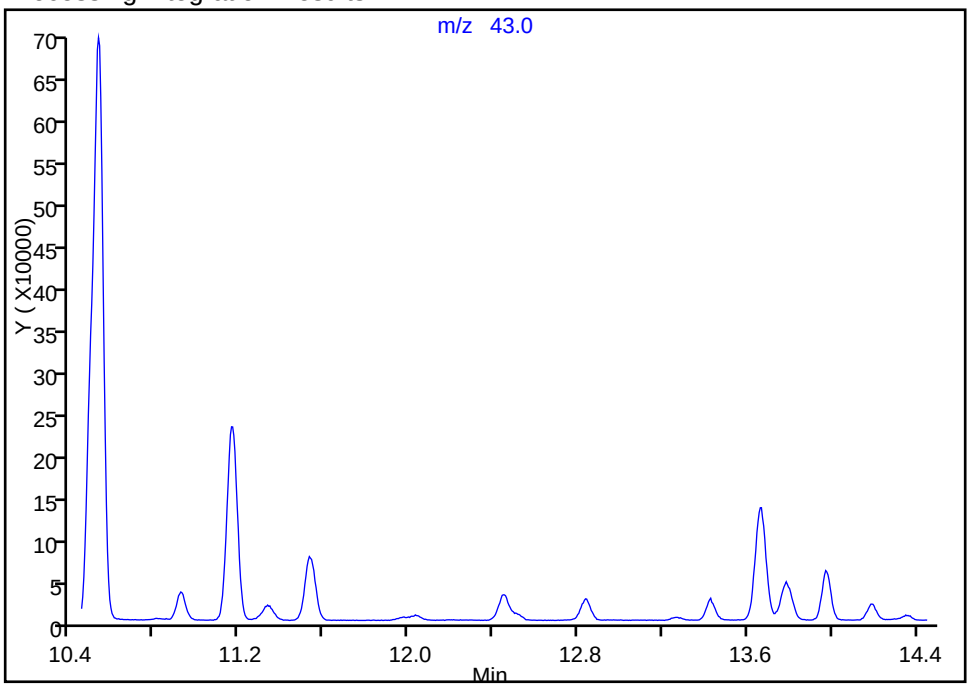
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D				
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

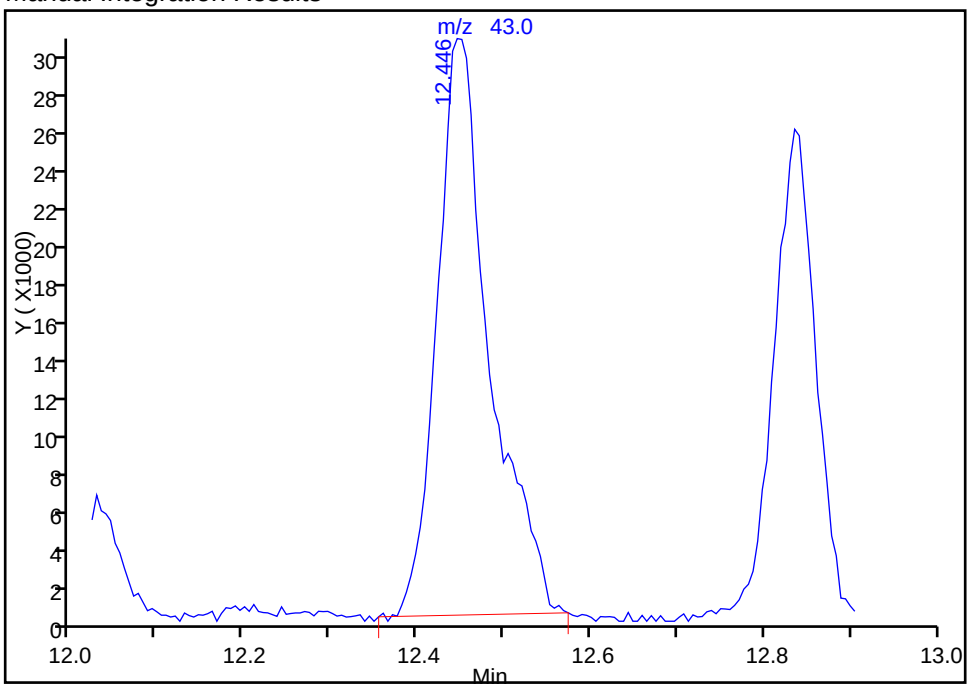
Not Detected
Expected RT: 12.45

Processing Integration Results



Manual Integration Results

RT: 12.45
Response: 127758
Amount: 1.890900



Reviewer: desjardinsb, 11-Apr-2014 11:04:55
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

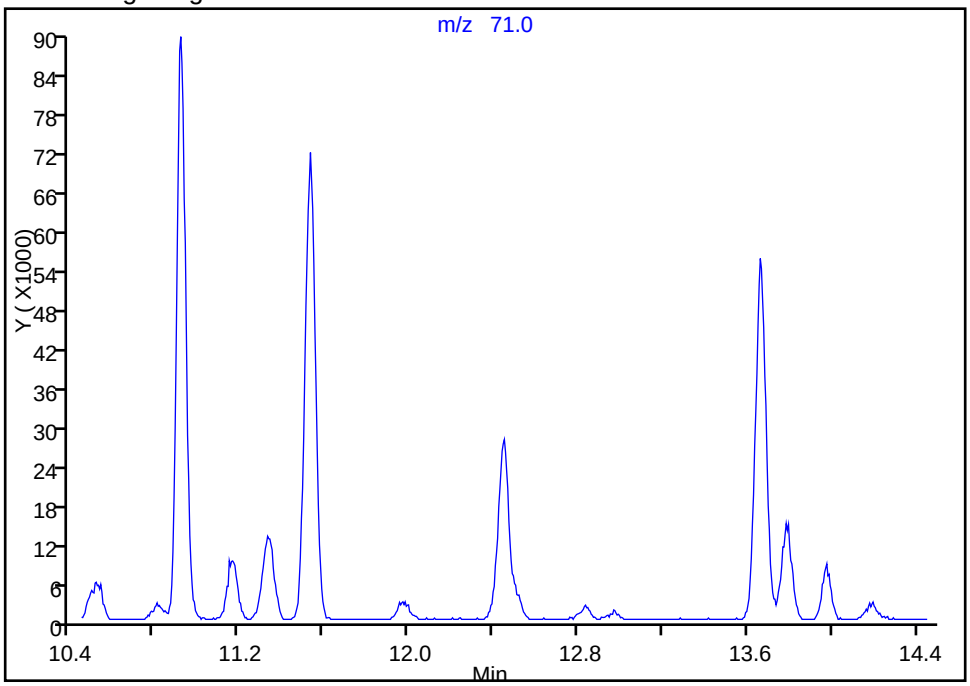
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_15.D				
Injection Date:	11-Apr-2014 01:34:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

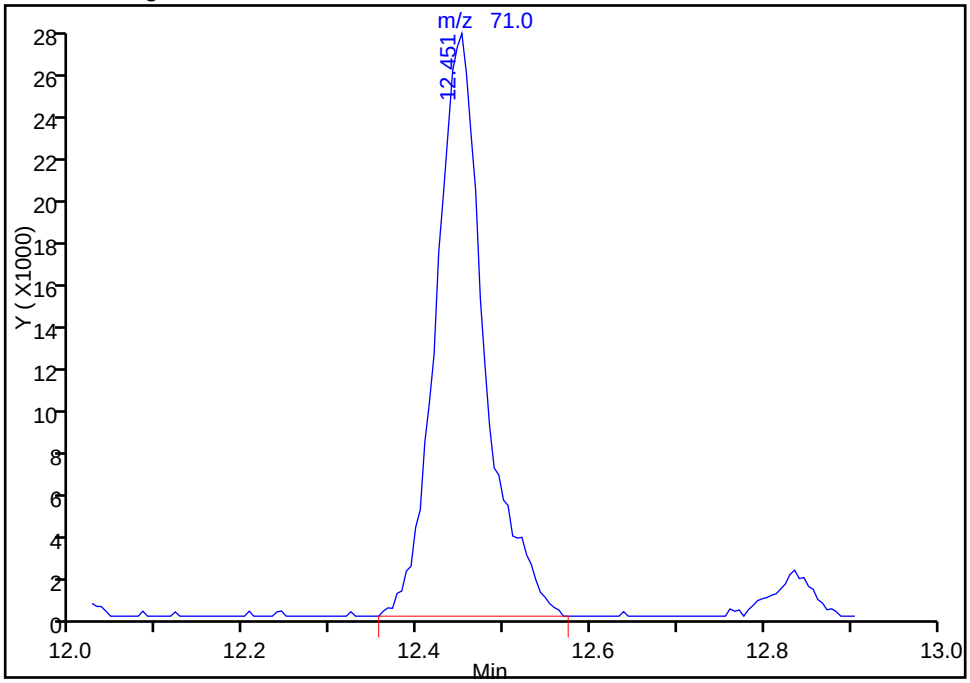
Processing Integration Results

Not Detected
Expected RT: 12.45



Manual Integration Results

RT: 12.45
Response: 109141
Amount: 1.890900



Reviewer: desjardinsb, 11-Apr-2014 11:04:55
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-7 DL Lab Sample ID: 200-21727-8 DL

Matrix: Air Lab File ID: 6977_16.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:30

Sample wt/vol: 67(mL) Date Analyzed: 04/11/2014 02:26

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	*Freon 12*	*120.91*	*0.47*	*J D*	*1.5*	*0.090*
75-45-6	*Freon 22*	*86.47*	*0.61*	*J D*	*1.5*	*0.14*
76-14-2	*Freon-114*	*170.92*	*0.60*	*U*	*0.60*	*0.10*
74-87-3	*Chloromethane*	*50.49*	*0.45*	*J D*	*1.5*	*0.41*
106-97-8	*n-Butane*	*58.12*	*1.5*	*U*	*1.5*	*0.84*
75-01-4	*Vinyl chloride*	*62.50*	*0.12*	*U*	*0.12*	*0.11*
106-99-0	*1,3-Butadiene*	*54.09*	*0.60*	*U*	*0.60*	*0.13*
74-83-9	*Bromomethane*	*94.94*	*0.60*	*U*	*0.60*	*0.084*
75-00-3	*Chloroethane*	*64.52*	*0.13*	*J D*	*1.5*	*0.090*
593-60-2	*Vinyl bromide*	*106.96*	*0.60*	*U*	*0.60*	*0.090*
75-69-4	*Freon 11*	*137.37*	*0.21*	*J D*	*0.60*	*0.090*
76-13-1	*Freon 113*	*187.38*	*0.062*	*J D*	*0.60*	*0.054*
75-35-4	*1,1-Dichloroethene*	*96.94*	*0.60*	*U*	*0.60*	*0.072*
67-64-1	Acetone	58.08	83	D	15	3.7
67-63-0	Isopropyl alcohol	60.10	93	D	15	0.64
75-15-0	*Carbon disulfide*	*76.14*	*9.6*	*D*	*1.5*	*0.20*
107-05-1	*Allyl chloride*	*76.53*	*1.5*	*U*	*1.5*	*0.10*
75-09-2	*Methylene Chloride*	*84.93*	*22*	*D*	*1.5*	*0.37*
75-65-0	*tert-Butyl alcohol*	*74.12*	*15*	*U*	*15*	*0.98*
1634-04-4	*Methyl tert-butyl ether*	*88.15*	*0.60*	*U*	*0.60*	*0.066*
156-60-5	*trans-1,2-Dichloroethene*	*96.94*	*1.1*	*D*	*0.60*	*0.087*
110-54-3	*Hexane*	*86.17*	*1.1*	*D*	*0.60*	*0.10*
75-34-3	*1,1-Dichloroethane*	*98.96*	*0.60*	*U*	*0.60*	*0.11*
78-93-3	*Methyl Ethyl Ketone*	*72.11*	*12*	*D*	*1.5*	*0.72*
156-59-2	*cis-1,2-Dichloroethene*	*96.94*	*0.60*	*U*	*0.60*	*0.11*
540-59-0	*1,2-Dichloroethene, Total*	*96.94*	*1.1*	*D*	*0.60*	*0.19*
67-66-3	*Chloroform*	*119.38*	*0.60*	*U*	*0.60*	*0.075*
109-99-9	*Tetrahydrofuran*	*72.11*	*13*	*J D*	*15*	*0.14*
71-55-6	*1,1,1-Trichloroethane*	*133.41*	*0.082*	*J D*	*0.60*	*0.063*
110-82-7	*Cyclohexane*	*84.16*	*0.69*	*D*	*0.60*	*0.075*
56-23-5	*Carbon tetrachloride*	*153.81*	*0.12*	*U*	*0.12*	*0.063*
540-84-1	*2,2,4-Trimethylpentane*	*114.23*	*0.60*	*U*	*0.60*	*0.081*
71-43-2	*Benzene*	*78.11*	*0.48*	*J D*	*0.60*	*0.057*
107-06-2	*1,2-Dichloroethane*	*98.96*	*0.60*	*U*	*0.60*	*0.051*
142-82-5	*Heptane*	*100.21*	*1.7*	*D*	*0.60*	*0.14*

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-7 DL Lab Sample ID: 200-21727-8 DL

Matrix: Air Lab File ID: 6977_16.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:30

Sample wt/vol: 67(mL) Date Analyzed: 04/11/2014 02:26

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.31	D	0.12	0.072
80-62-6	Methyl methacrylate	100.12	0.38	J D	1.5	0.090
78-87-5	1,2-Dichloropropane	112.99	0.60	U	0.60	0.096
123-91-1	1,4-Dioxane	88.11	0.81	J D	15	0.60
75-27-4	Bromodichloromethane	163.83	0.60	U	0.60	0.051
10061-01-5	cis-1,3-Dichloropropene	110.97	0.60	U	0.60	0.084
108-10-1	methyl isobutyl ketone	100.16	0.71	J D	1.5	0.081
108-88-3	Toluene	92.14	3.2	D	0.60	0.051
10061-02-6	trans-1,3-Dichloropropene	110.97	0.60	U	0.60	0.066
79-00-5	1,1,2-Trichloroethane	133.41	0.60	U	0.60	0.051
127-18-4	Tetrachloroethene	165.83	0.62	D	0.60	0.048
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.5	U	1.5	0.60
124-48-1	Dibromochloromethane	208.29	0.60	U	0.60	0.060
106-93-4	1,2-Dibromoethane	187.87	0.60	U	0.60	0.060
108-90-7	Chlorobenzene	112.56	0.60	U	0.60	0.024
100-41-4	Ethylbenzene	106.17	0.95	D	0.60	0.039
179601-23-1	m,p-Xylene	106.17	3.7	D	1.5	0.069
95-47-6	Xylene, o-	106.17	1.1	D	0.60	0.048
1330-20-7	Xylene (total)	106.17	4.8	D	0.60	0.10
100-42-5	Styrene	104.15	0.60	U	0.60	0.054
75-25-2	Bromoform	252.75	0.60	U	0.60	0.030
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.60	U	0.60	0.048
103-65-1	n-Propylbenzene	120.19	0.38	J D	0.60	0.24
622-96-8	4-Ethyltoluene	120.20	0.61	D	0.60	0.054
108-67-8	1,3,5-Trimethylbenzene	120.20	0.68	D	0.60	0.036
95-49-8	2-Chlorotoluene	126.59	0.60	U	0.60	0.039
98-06-6	tert-Butylbenzene	134.22	0.60	U	0.60	0.051
95-63-6	1,2,4-Trimethylbenzene	120.20	3.6	D	0.60	0.042
135-98-8	sec-Butylbenzene	134.22	0.60	U	0.60	0.24
99-87-6	4-Isopropyltoluene	134.22	6.4	D	0.60	0.24
541-73-1	1,3-Dichlorobenzene	147.00	0.089	J D	0.60	0.042
106-46-7	1,4-Dichlorobenzene	147.00	0.60	U	0.60	0.042
100-44-7	Benzyl chloride	126.58	0.60	U	0.60	0.24
104-51-8	n-Butylbenzene	134.22	0.60	U	0.60	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-7 DL Lab Sample ID: 200-21727-8 DL

Matrix: Air Lab File ID: 6977_16.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:30

Sample wt/vol: 67(mL) Date Analyzed: 04/11/2014 02:26

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	*1,2-Dichlorobenzene*	*147.00*	*0.60*	*U*	*0.60*	*0.042*
120-82-1	*1,2,4-Trichlorobenzene*	*181.45*	*1.5*	*U*	*1.5*	*0.081*
87-68-3	*Hexachloro-1,3-butadiene*	*260.76*	*0.60*	*U*	*0.60*	*0.066*
91-20-3	*Naphthalene*	*128.17*	*1.5*	*U*	*1.5*	*0.60*

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-7 DL Lab Sample ID: 200-21727-8 DL

Matrix: Air Lab File ID: 6977_16.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:30

Sample wt/vol: 67(mL) Date Analyzed: 04/11/2014 02:26

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	*Freon 12*	*120.91*	*2.3*	*J D*	*7.4*	*0.44*
75-45-6	*Freon 22*	*86.47*	*2.2*	*J D*	*5.3*	*0.51*
76-14-2	*Freon-114*	*170.92*	*4.2*	*U*	*4.2*	*0.73*
74-87-3	*Chloromethane*	*50.49*	*0.93*	*J D*	*3.1*	*0.84*
106-97-8	*n-Butane*	*58.12*	*3.6*	*U*	*3.6*	*2.0*
75-01-4	*Vinyl chloride*	*62.50*	*0.31*	*U*	*0.31*	*0.29*
106-99-0	*1,3-Butadiene*	*54.09*	*1.3*	*U*	*1.3*	*0.28*
74-83-9	*Bromomethane*	*94.94*	*2.3*	*U*	*2.3*	*0.33*
75-00-3	*Chloroethane*	*64.52*	*0.35*	*J D*	*3.9*	*0.24*
593-60-2	*Vinyl bromide*	*106.96*	*2.6*	*U*	*2.6*	*0.39*
75-69-4	*Freon 11*	*137.37*	*1.2*	*J D*	*3.4*	*0.50*
76-13-1	*Freon 113*	*187.38*	*0.48*	*J D*	*4.6*	*0.41*
75-35-4	*1,1-Dichloroethene*	*96.94*	*2.4*	*U*	*2.4*	*0.28*
67-64-1	Acetone	58.08	200	D	36	8.9
67-63-0	Isopropyl alcohol	60.10	230	D	37	1.6
75-15-0	*Carbon disulfide*	*76.14*	*30*	*D*	*4.7*	*0.61*
107-05-1	*Allyl chloride*	*76.53*	*4.7*	*U*	*4.7*	*0.32*
75-09-2	*Methylene Chloride*	*84.93*	*77*	*D*	*5.2*	*1.3*
75-65-0	*tert-Butyl alcohol*	*74.12*	*45*	*U*	*45*	*3.0*
1634-04-4	*Methyl tert-butyl ether*	*88.15*	*2.2*	*U*	*2.2*	*0.24*
156-60-5	*trans-1,2-Dichloroethene*	*96.94*	*4.2*	*D*	*2.4*	*0.34*
110-54-3	*Hexane*	*86.17*	*4.0*	*D*	*2.1*	*0.36*
75-34-3	*1,1-Dichloroethane*	*98.96*	*2.4*	*U*	*2.4*	*0.46*
78-93-3	*Methyl Ethyl Ketone*	*72.11*	*34*	*D*	*4.4*	*2.1*
156-59-2	*cis-1,2-Dichloroethene*	*96.94*	*2.4*	*U*	*2.4*	*0.45*
540-59-0	*1,2-Dichloroethene, Total*	*96.94*	*4.4*	*D*	*2.4*	*0.76*
67-66-3	*Chloroform*	*119.38*	*2.9*	*U*	*2.9*	*0.36*
109-99-9	*Tetrahydrofuran*	*72.11*	*37*	*J D*	*44*	*0.41*
71-55-6	*1,1,1-Trichloroethane*	*133.41*	*0.45*	*J D*	*3.3*	*0.34*
110-82-7	*Cyclohexane*	*84.16*	*2.4*	*D*	*2.1*	*0.26*
56-23-5	*Carbon tetrachloride*	*153.81*	*0.75*	*U*	*0.75*	*0.39*
540-84-1	*2,2,4-Trimethylpentane*	*114.23*	*2.8*	*U*	*2.8*	*0.38*
71-43-2	*Benzene*	*78.11*	*1.5*	*J D*	*1.9*	*0.18*
107-06-2	*1,2-Dichloroethane*	*98.96*	*2.4*	*U*	*2.4*	*0.21*
142-82-5	*Heptane*	*100.21*	*7.1*	*D*	*2.5*	*0.56*

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-7 DL Lab Sample ID: 200-21727-8 DL

Matrix: Air Lab File ID: 6977_16.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:30

Sample wt/vol: 67(mL) Date Analyzed: 04/11/2014 02:26

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.7	D	0.64	0.39
80-62-6	Methyl methacrylate	100.12	1.6	J D	6.1	0.37
78-87-5	1,2-Dichloropropane	112.99	2.8	U	2.8	0.44
123-91-1	1,4-Dioxane	88.11	2.9	J D	54	2.2
75-27-4	Bromodichloromethane	163.83	4.0	U	4.0	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	2.7	U	2.7	0.38
108-10-1	methyl isobutyl ketone	100.16	2.9	J D	6.1	0.33
108-88-3	Toluene	92.14	12	D	2.3	0.19
10061-02-6	trans-1,3-Dichloropropene	110.97	2.7	U	2.7	0.30
79-00-5	1,1,2-Trichloroethane	133.41	3.3	U	3.3	0.28
127-18-4	Tetrachloroethene	165.83	4.2	D	4.1	0.32
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	6.1	U	6.1	2.5
124-48-1	Dibromochloromethane	208.29	5.1	U	5.1	0.51
106-93-4	1,2-Dibromoethane	187.87	4.6	U	4.6	0.46
108-90-7	Chlorobenzene	112.56	2.8	U	2.8	0.11
100-41-4	Ethylbenzene	106.17	4.1	D	2.6	0.17
179601-23-1	m,p-Xylene	106.17	16	D	6.5	0.30
95-47-6	Xylene, o-	106.17	4.8	D	2.6	0.21
1330-20-7	Xylene (total)	106.17	21	D	2.6	0.44
100-42-5	Styrene	104.15	2.5	U	2.5	0.23
75-25-2	Bromoform	252.75	6.2	U	6.2	0.31
79-34-5	1,1,2,2-Tetrachloroethane	167.85	4.1	U	4.1	0.33
103-65-1	n-Propylbenzene	120.19	1.9	J D	2.9	1.2
622-96-8	4-Ethyltoluene	120.20	3.0	D	2.9	0.26
108-67-8	1,3,5-Trimethylbenzene	120.20	3.3	D	2.9	0.18
95-49-8	2-Chlorotoluene	126.59	3.1	U	3.1	0.20
98-06-6	tert-Butylbenzene	134.22	3.3	U	3.3	0.28
95-63-6	1,2,4-Trimethylbenzene	120.20	18	D	2.9	0.21
135-98-8	sec-Butylbenzene	134.22	3.3	U	3.3	1.3
99-87-6	4-Isopropyltoluene	134.22	35	D	3.3	1.3
541-73-1	1,3-Dichlorobenzene	147.00	0.54	J D	3.6	0.25
106-46-7	1,4-Dichlorobenzene	147.00	3.6	U	3.6	0.25
100-44-7	Benzyl chloride	126.58	3.1	U	3.1	1.2
104-51-8	n-Butylbenzene	134.22	3.3	U	3.3	1.3

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-7 DL Lab Sample ID: 200-21727-8 DL

Matrix: Air Lab File ID: 6977_16.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:30

Sample wt/vol: 67(mL) Date Analyzed: 04/11/2014 02:26

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	*1,2-Dichlorobenzene*	*147.00*	*3.6*	*U*	*3.6*	*0.25*
120-82-1	*1,2,4-Trichlorobenzene*	*181.45*	*11*	*U*	*11*	*0.60*
87-68-3	*Hexachloro-1,3-butadiene*	*260.76*	*6.4*	*U*	*6.4*	*0.70*
91-20-3	*Naphthalene*	*128.17*	*7.8*	*U*	*7.8*	*3.1*

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D
Lims ID: 200-21727-A-8 Lab Sample ID: 200-21727-8
Client ID: SDS-7
Sample Type: Client
Inject. Date: 11-Apr-2014 02:26:30 ALS Bottle#: 14 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 2.9900
Sample Info: 200-0006977-016
Misc. Info.: 21727-8
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 11:08:44 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 11:08:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.256	3.256	0.000	85	23052	0.1562	
6 Chlorodifluoromethane	51	3.315	3.315	-0.001	62	10102	0.2036	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50	3.704	3.699	0.005	58	3667	0.1503	
9 Butane	43		3.912					
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64	5.054	5.049	0.005	1	700	0.0440	
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101	5.567	5.567	0.000	59	12912	0.0706	
23 1,1,2-Trichloro-1,2,2-trif	101	6.709	6.714	-0.005	17	2294	0.0208	
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43	7.029	7.034	-0.005	88	1178100	27.7	
26 Carbon disulfide	76	7.141	7.141	0.000	98	336161	3.20	
27 Isopropyl alcohol	45	7.355	7.355	0.000	98	969819	31.1	
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.894	7.894	0.000	72	227326	7.40	
32 2-Methyl-2-propanol	59		8.155					
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61	8.342	8.342	0.000	66	18092	0.3534	
36 Hexane	57	8.731	8.732	-0.001	87	18468	0.3786	
37 1,1-Dichloroethane	63		9.260					
S 41 1,2-Dichloroethene, Total	61				0		0.3534	
39 cis-1,2-Dichloroethene	96		10.418					
40 2-Butanone (MEK)	72	10.498	10.498	0.000	97	94108	3.89	
* 43 Chlorobromomethane	128	10.909	10.909	0.000	63	572901	10.0	
44 Tetrahydrofuran	42	10.925	10.925	0.000	80	134111	4.25	
45 Chloroform	83		11.048					
46 Cyclohexane	84	11.283	11.304	-0.001	47	18637	0.2292	M
47 1,1,1-Trichloroethane	97	11.331	11.309	0.006	12	4760	0.0273	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.576	11.581	-0.005	38	4034	0.0190	
51 Isooctane	57		12.035					
50 Benzene	78	12.088	12.083	0.005	76	30116	0.1617	
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43	12.446	12.451	-0.005	78	41959	0.5790	
* 54 1,4-Difluorobenzene	114	12.974	12.980	-0.006	91	3138407	10.0	
56 Trichloroethene	95	13.449	13.460	-0.011	78	11971	0.1047	
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69	14.234	14.234	0.000	44	8619	0.1279	
60 1,4-Dioxane	88	14.330	14.303	0.027	37	8887	0.2723	
62 Dichlorobromomethane	83		14.629					
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43	15.904	15.894	0.010	78	24861	0.2386	
66 Toluene	92	16.176	16.182	-0.006	92	192943	1.06	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166	17.271	17.265	0.005	80	48668	0.2076	
73 2-Hexanone	43		17.639					
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	79	3193199	10.0	
77 Chlorobenzene	112		19.181					
78 Ethylbenzene	91	19.320	19.325	-0.005	94	136045	0.3168	
81 m-Xylene & p-Xylene	106	19.571	19.576	-0.005	99	227966	1.23	
S 82 Xylenes, Total	106				0		1.60	
83 o-Xylene	106	20.382	20.387	-0.005	87	66887	0.3694	
84 Styrene	104		20.435					
85 Bromoform	173		20.836					
$ 87 4-Bromofluorobenzene	95	21.375	21.375	0.000	94	2019172	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91	21.700	21.706	-0.006	98	74720	0.1268	
91 4-Ethyltoluene	105	21.882	21.882	0.000	96	110383	0.2043	
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105	21.983	21.983	0.000	89	108858	0.2276	
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105	22.549	22.549	0.000	95	581548	1.19	
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119	22.965	22.965	0.000	97	1338329	2.15	
100 1,3-Dichlorobenzene	146	23.002	23.008	-0.006	20	12057	0.0299	
101 1,4-Dichlorobenzene	146	23.141	23.141	0.000	36	3057	0.007550	
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
105 1,2-Dichlorobenzene	146		23.696					
107 1,2,4-Trichlorobenzene	180		26.322					
108 Hexachlorobutadiene	225		26.509					
109 Naphthalene	128		26.850					

QC Flag Legend

Review Flags
M - Manually Integrated

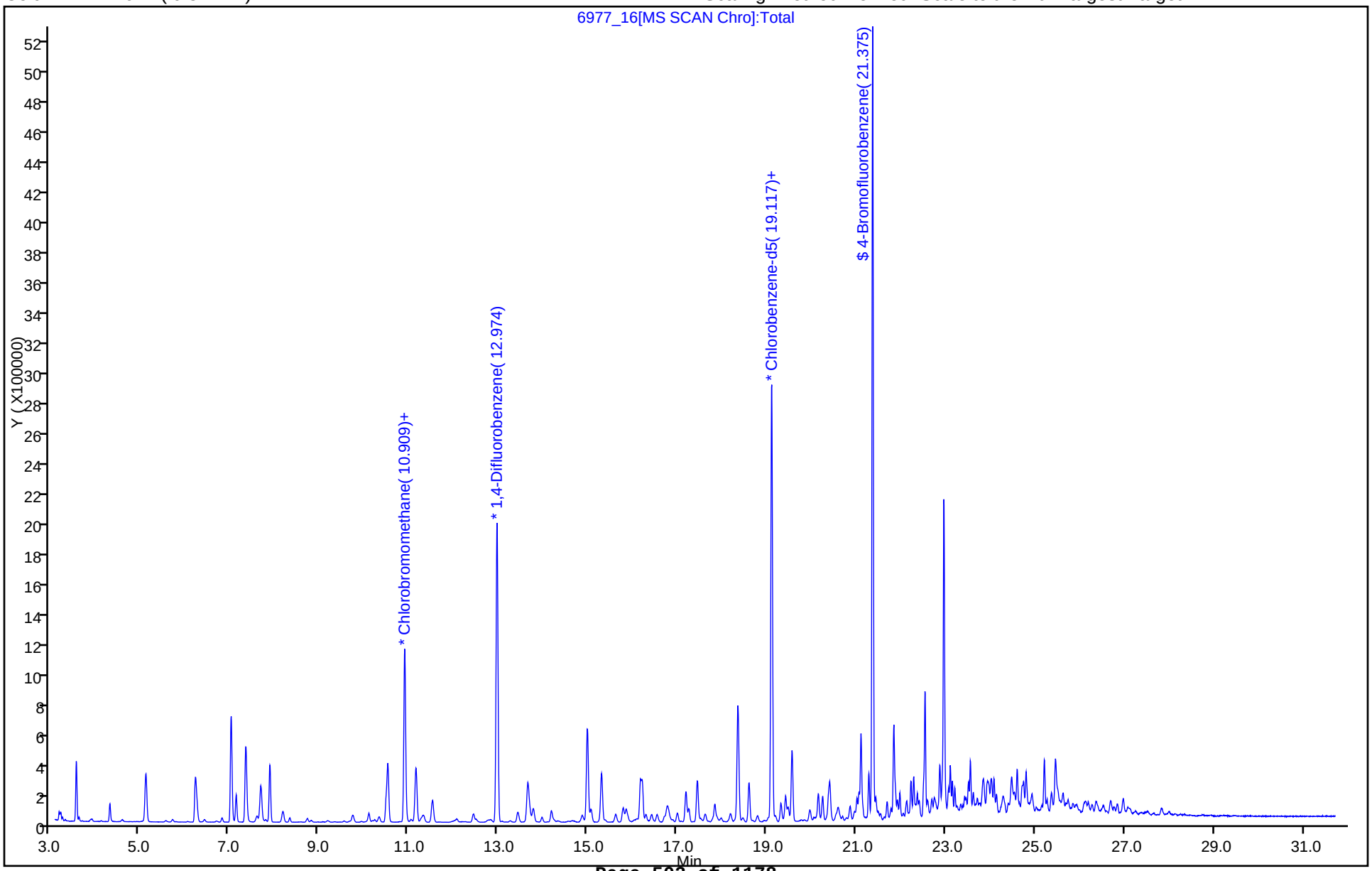
Report Date: 11-Apr-2014 11:08:44 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D

Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8	Worklist Smp#:	16
Client ID:	SDS-7				
Purge Vol:	200.000 mL	Dil. Factor:	2.9900	ALS Bottle#:	14
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



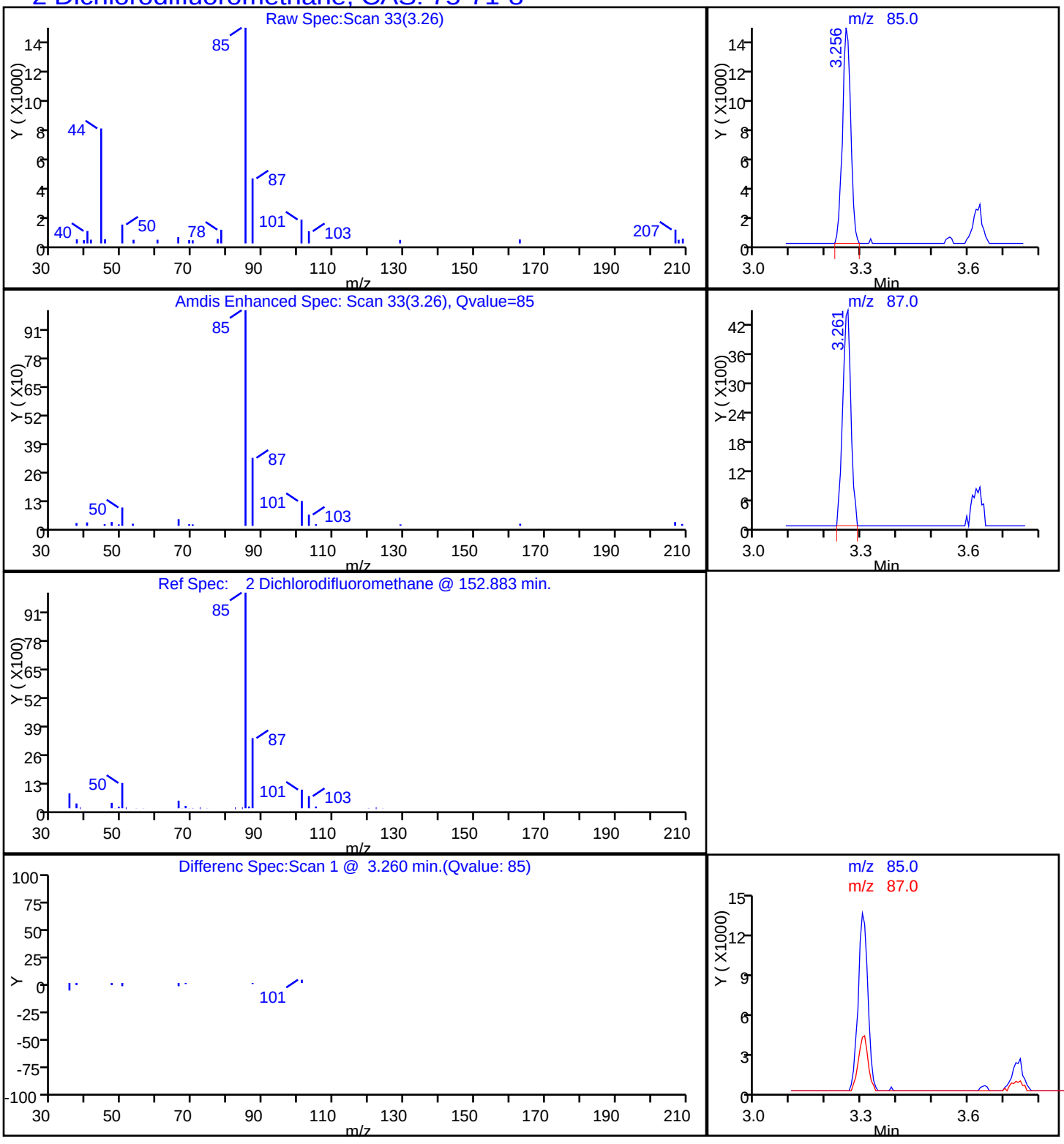
Report Date: 11-Apr-2014 11:08:44 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D

Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8



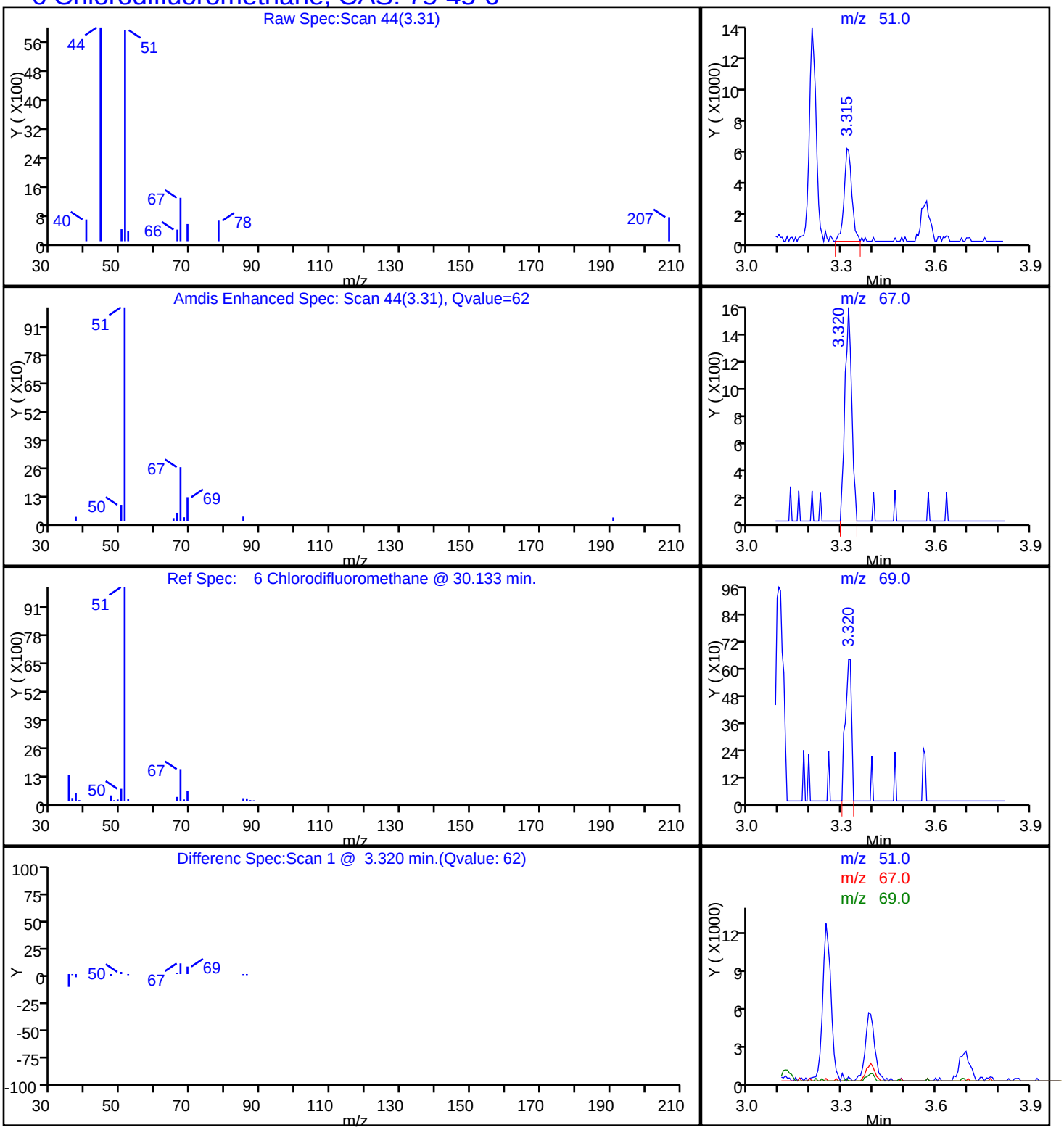
Report Date: 11-Apr-2014 11:08:44 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D

Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



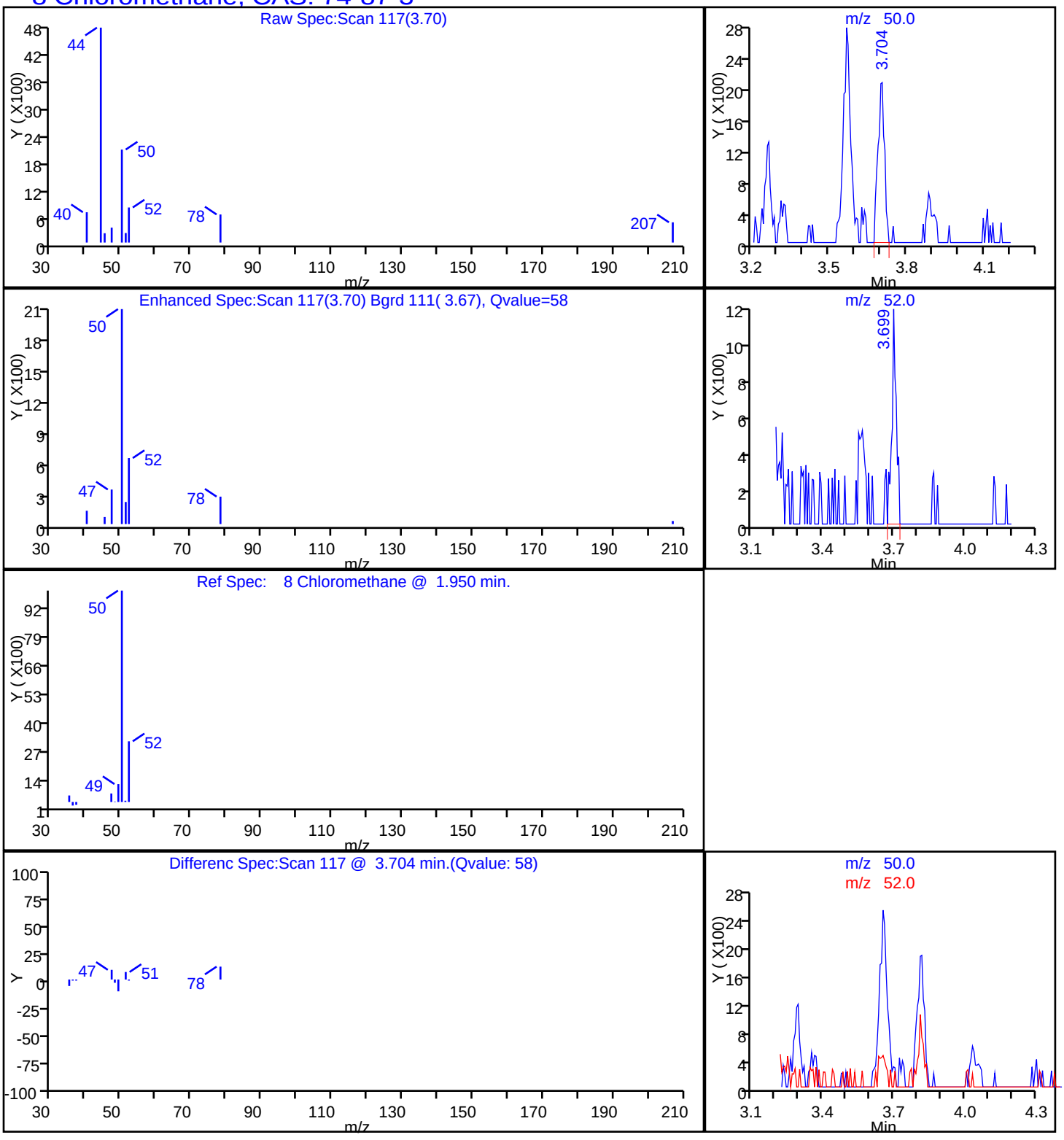
Report Date: 11-Apr-2014 11:08:44 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D

Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3



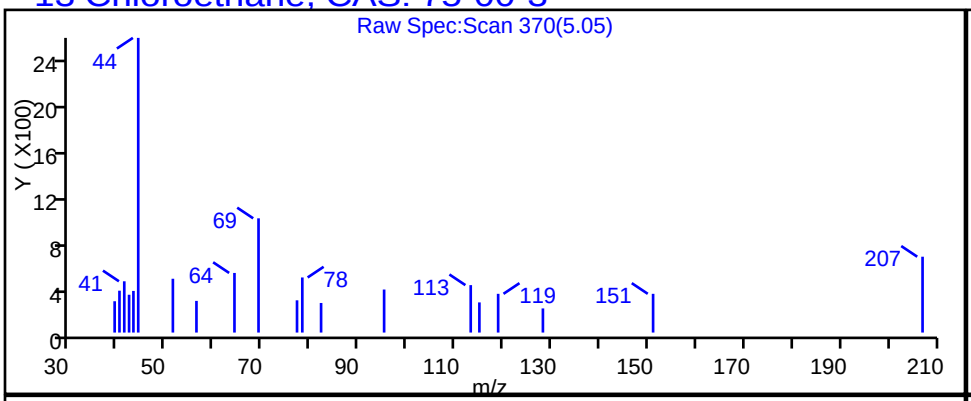
Report Date: 11-Apr-2014 11:08:44 Chrom Revision: 2.2 10-Apr-2014 15:11:30

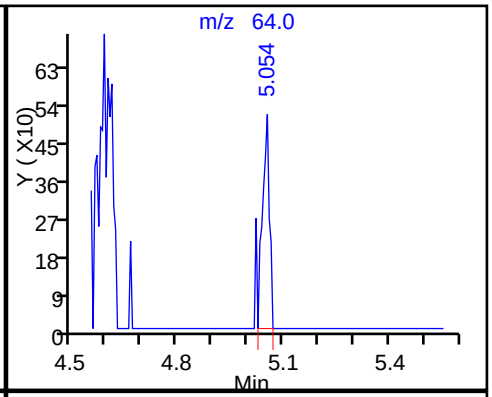
TestAmerica Burlington

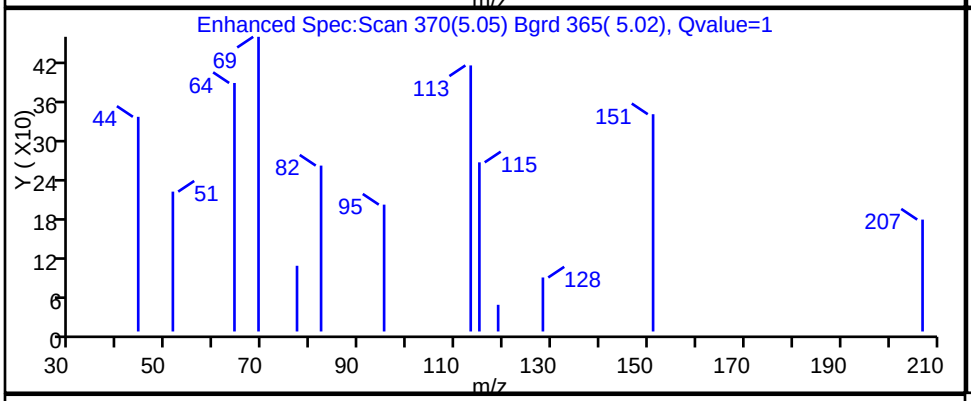
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D

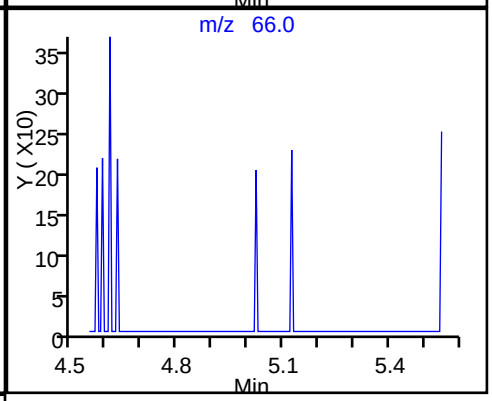
Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

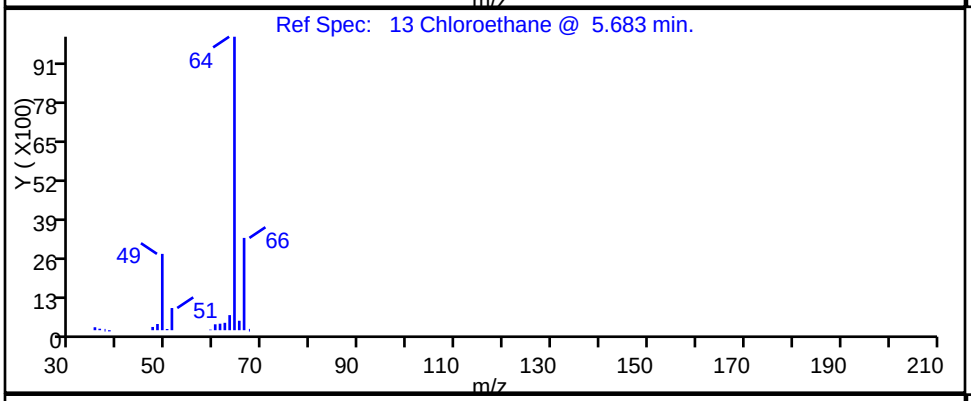
13 Chloroethane, CAS: 75-00-3

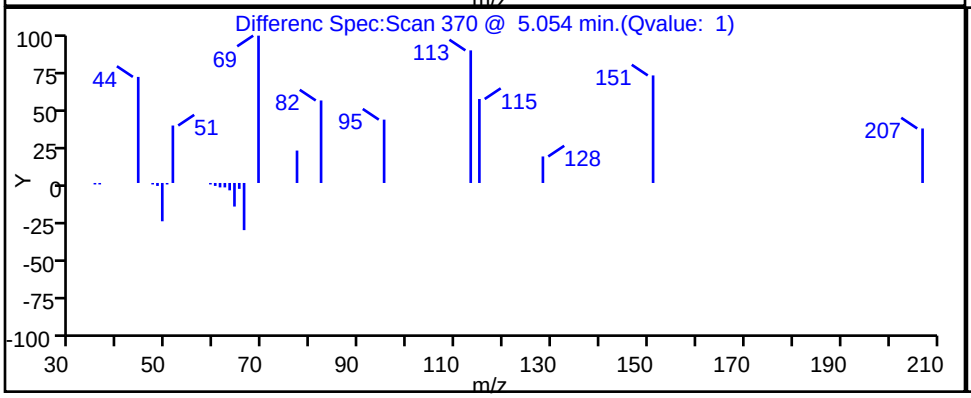


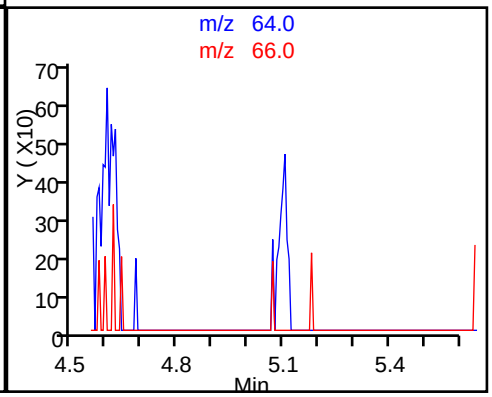












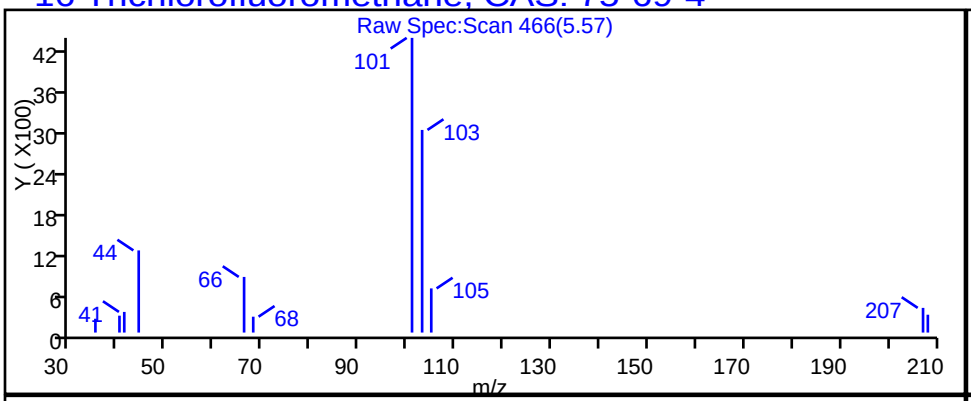
Report Date: 11-Apr-2014 11:08:44 Chrom Revision: 2.2 10-Apr-2014 15:11:30

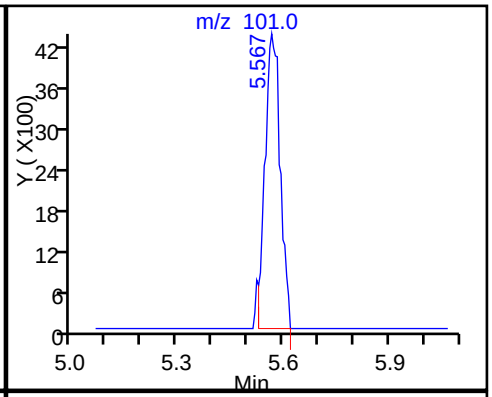
TestAmerica Burlington

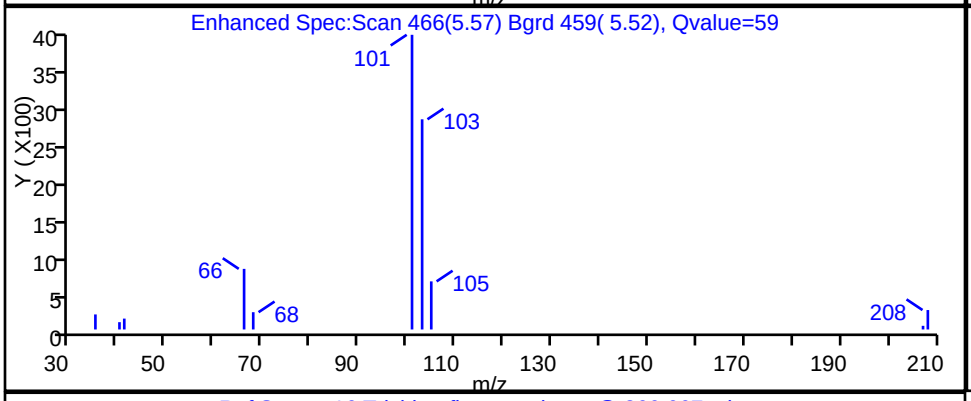
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D

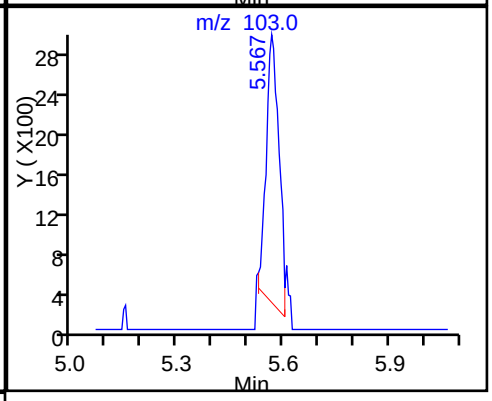
Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

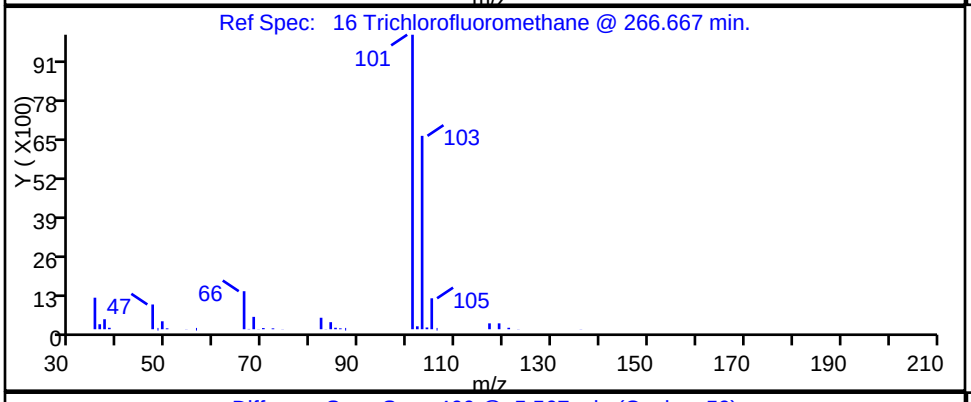
16 Trichlorofluoromethane, CAS: 75-69-4

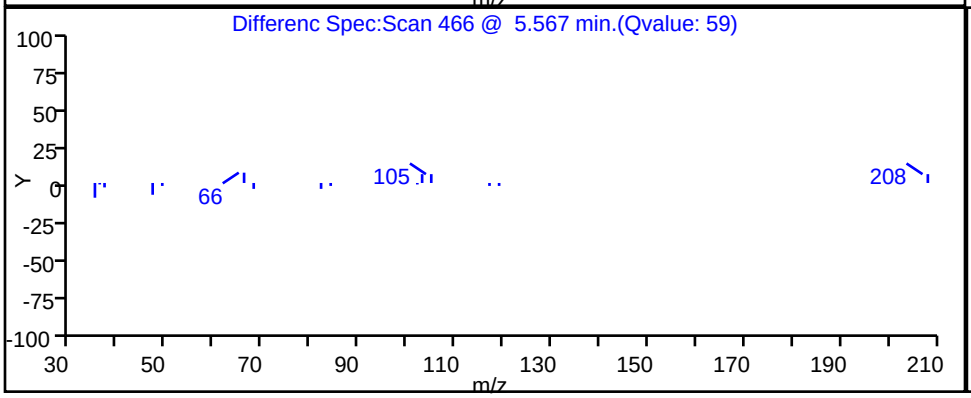


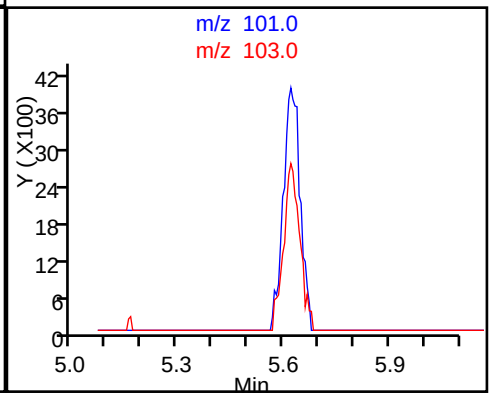












Report Date: 11-Apr-2014 11:08:44 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D

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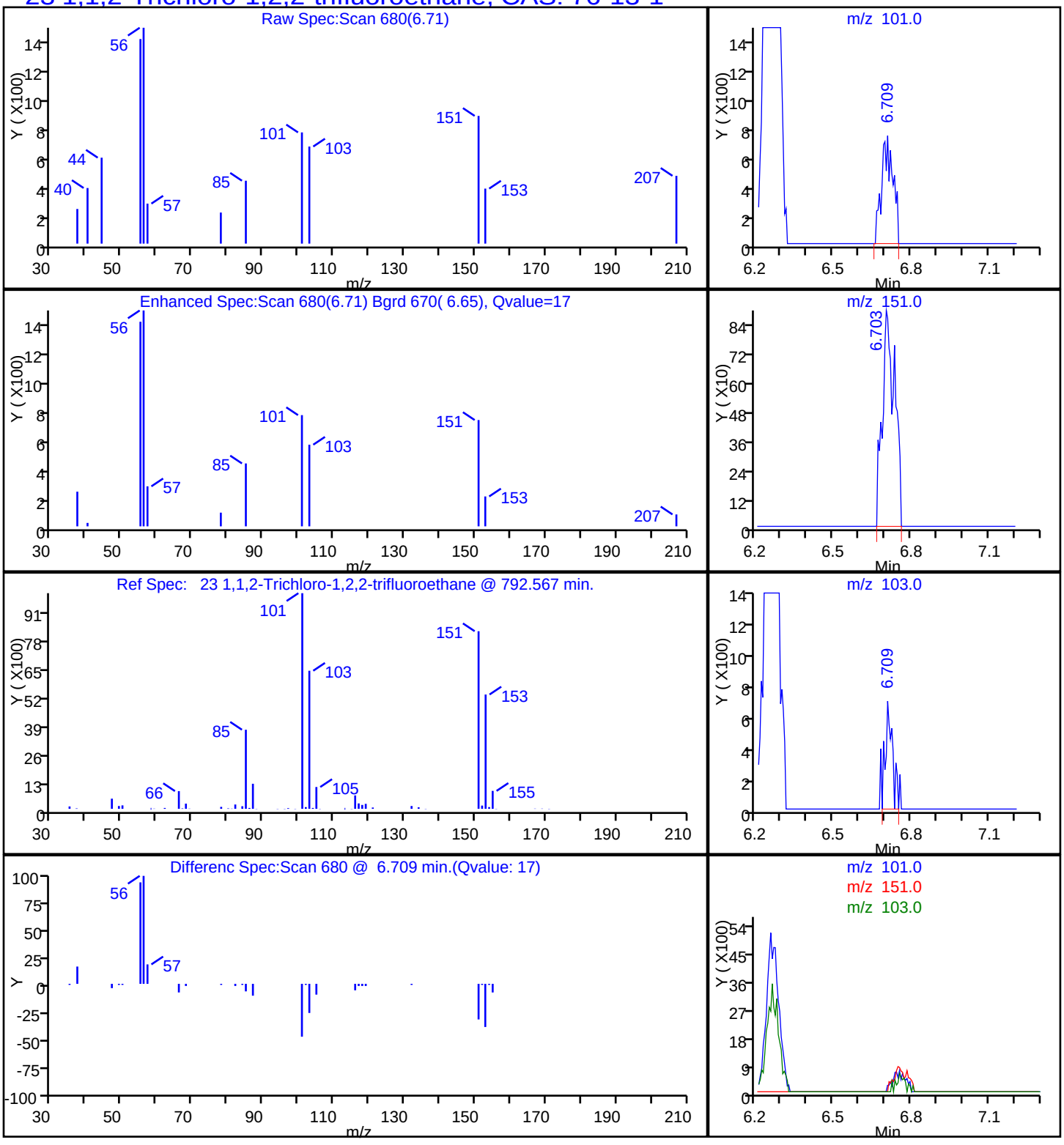
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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TestAmerica Burlington

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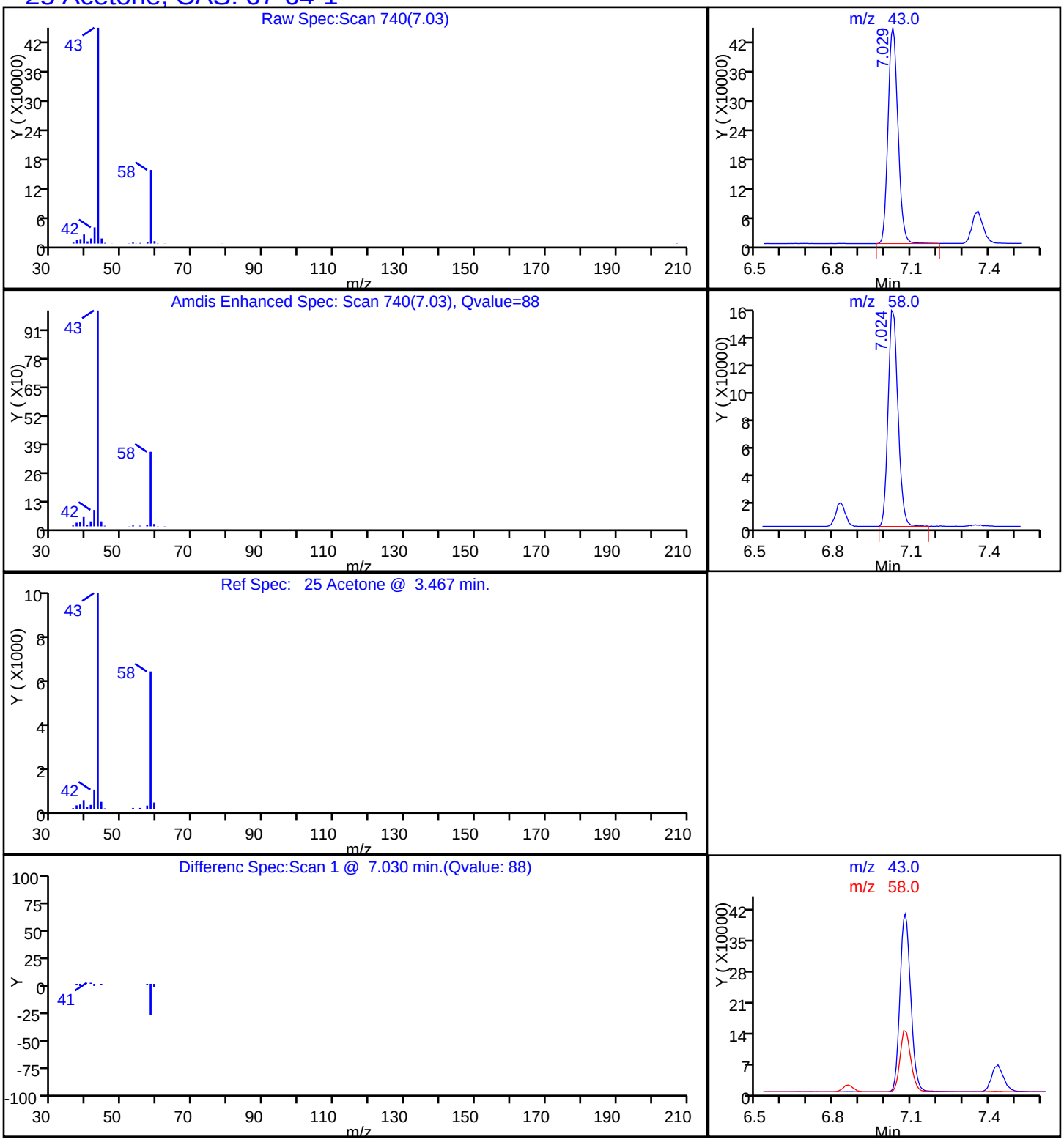
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



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TestAmerica Burlington

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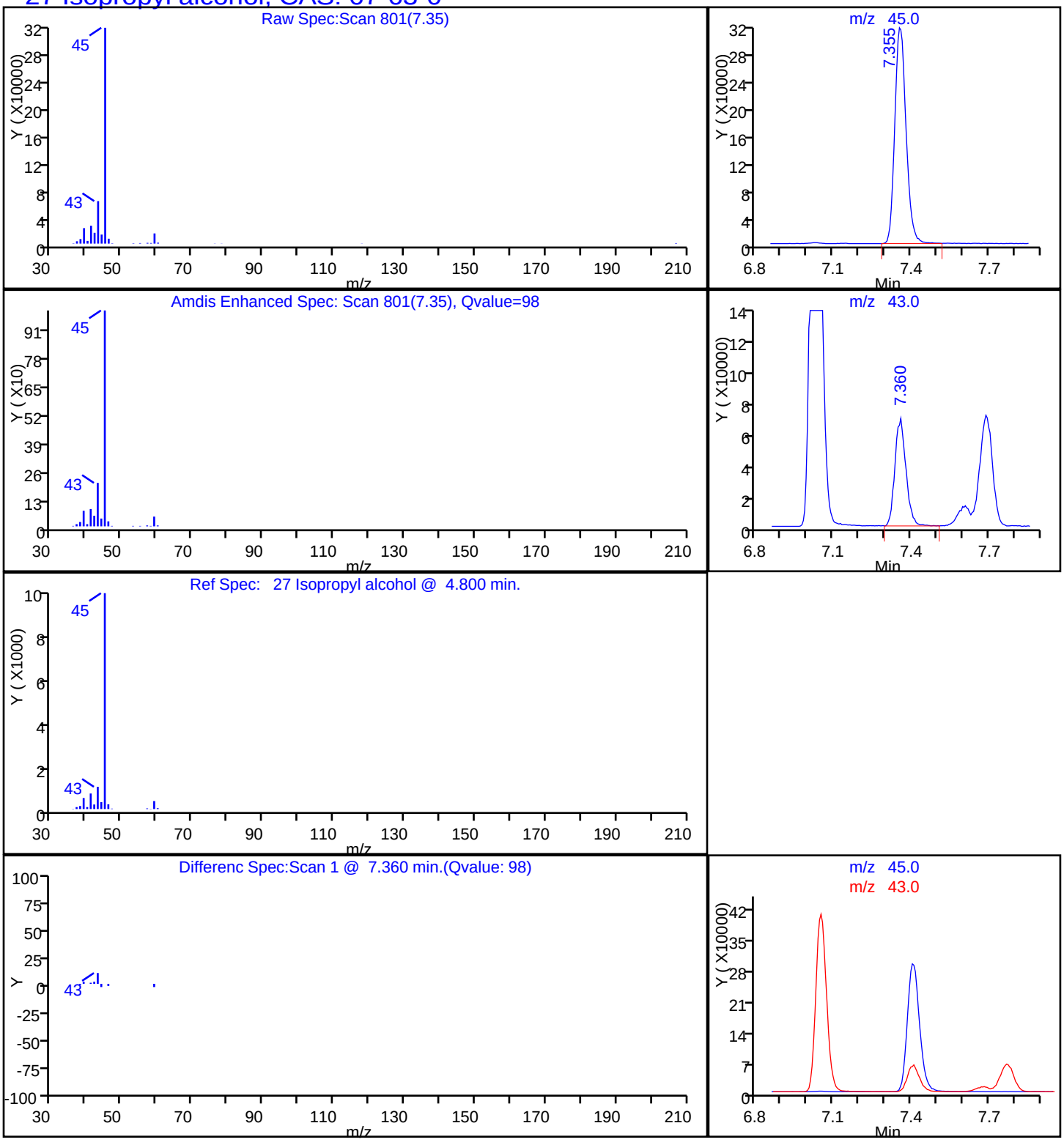
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



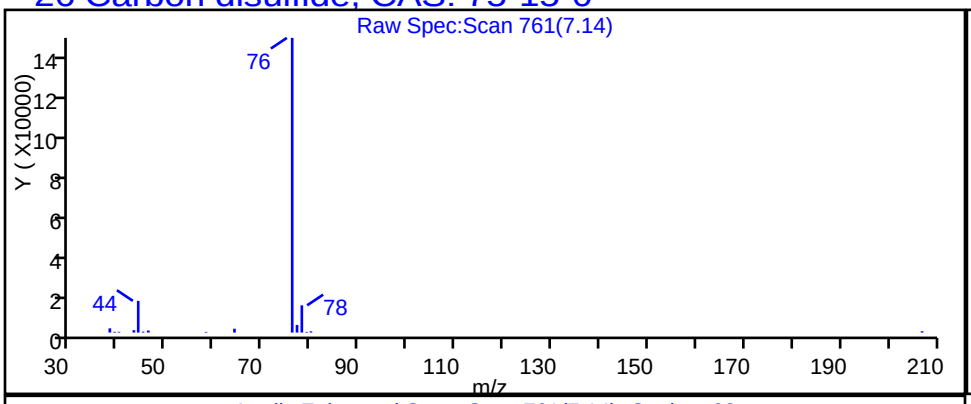
Report Date: 11-Apr-2014 11:08:44 Chrom Revision: 2.2 10-Apr-2014 15:11:30

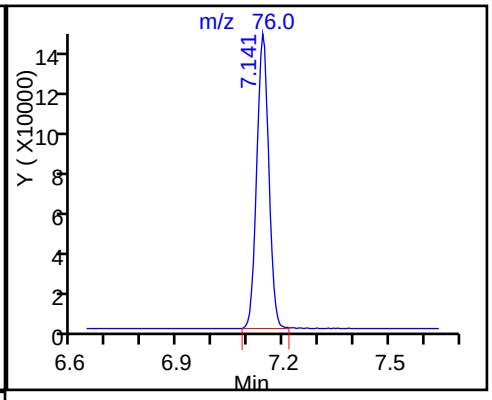
TestAmerica Burlington

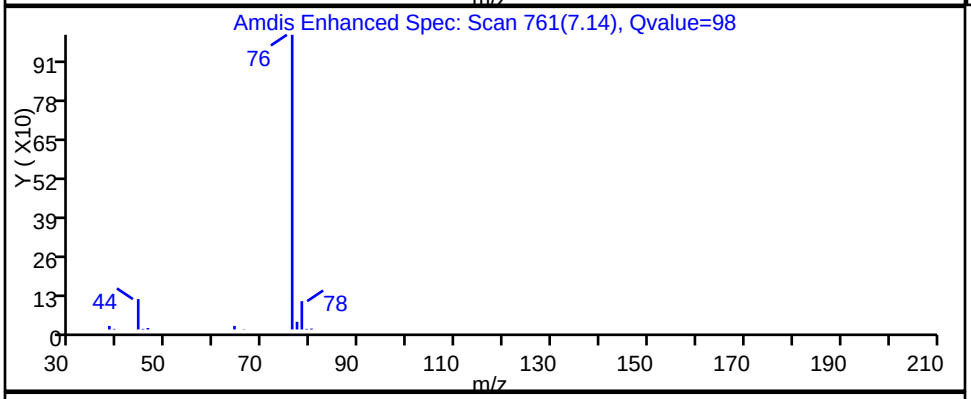
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D

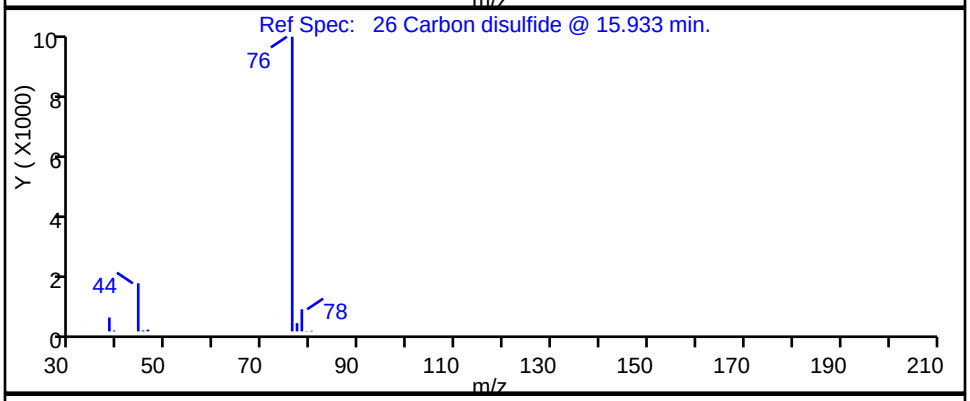
Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

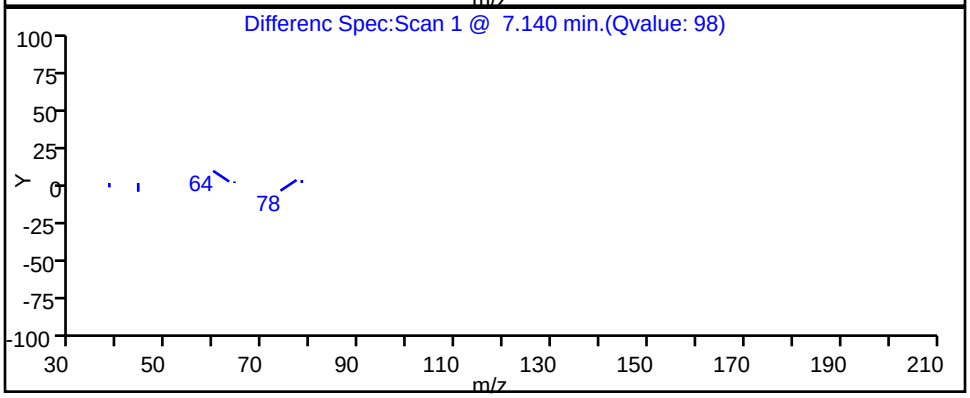
26 Carbon disulfide, CAS: 75-15-0











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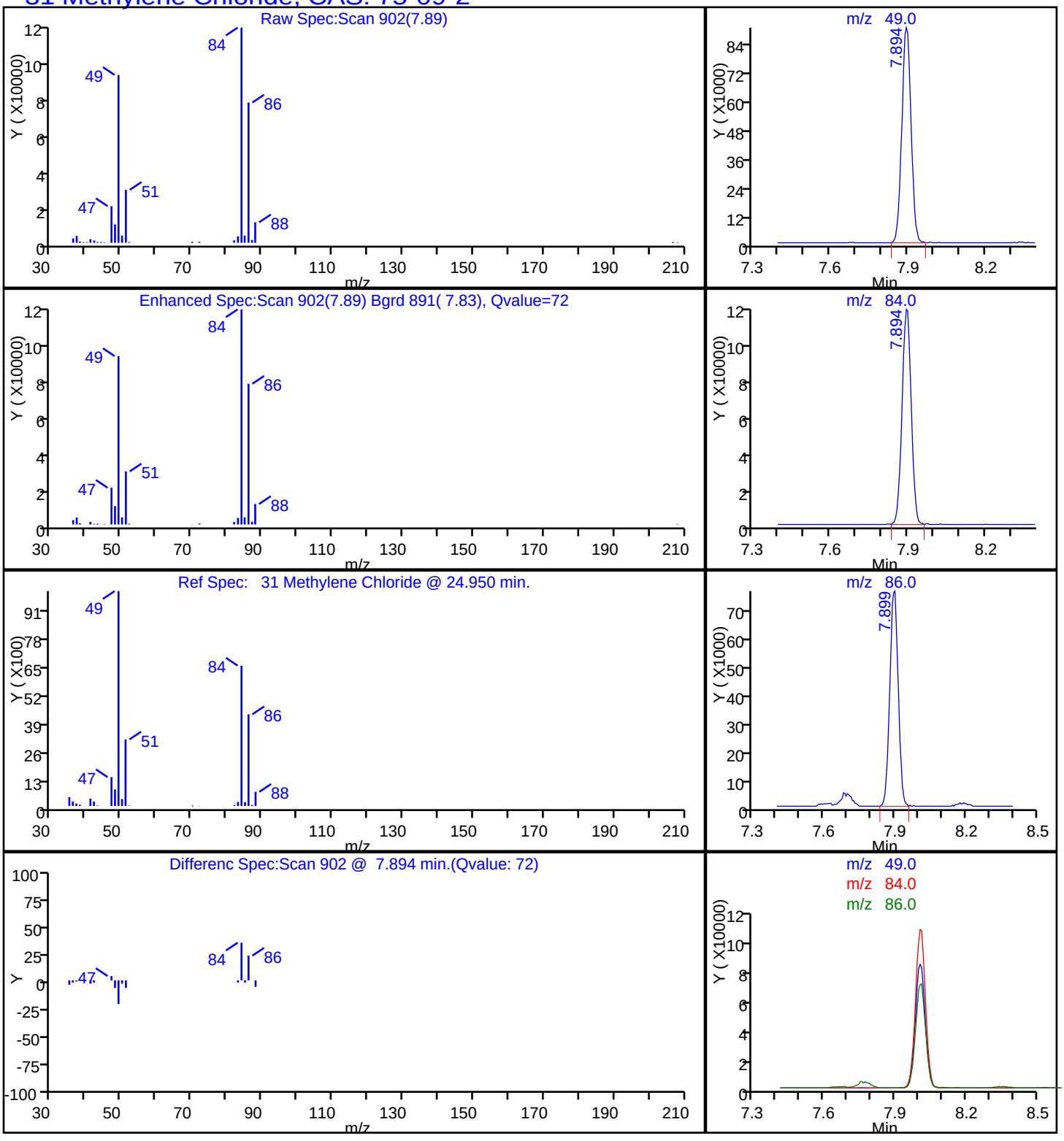
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D

Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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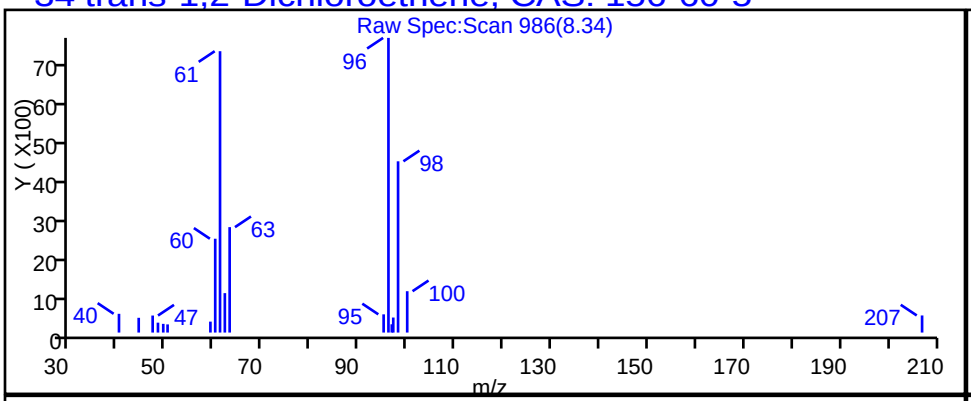
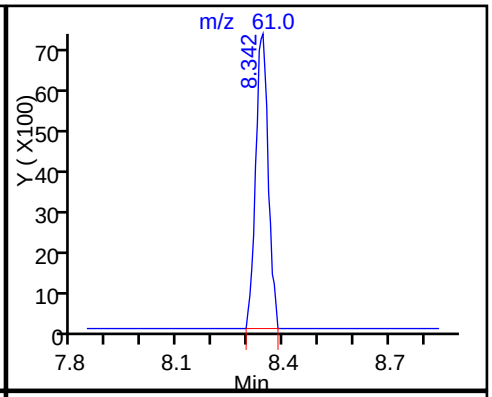
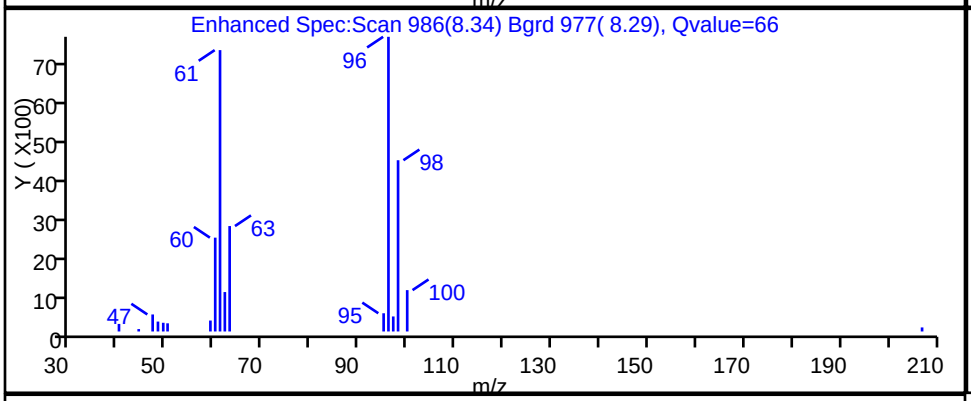
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D

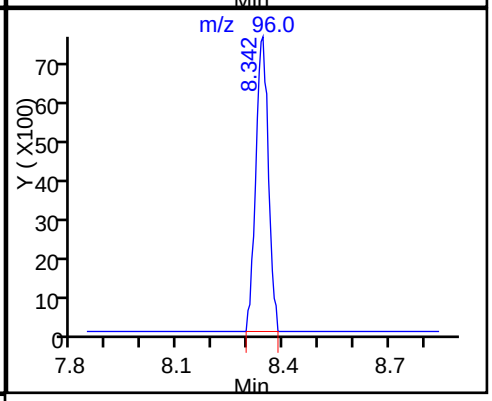
Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

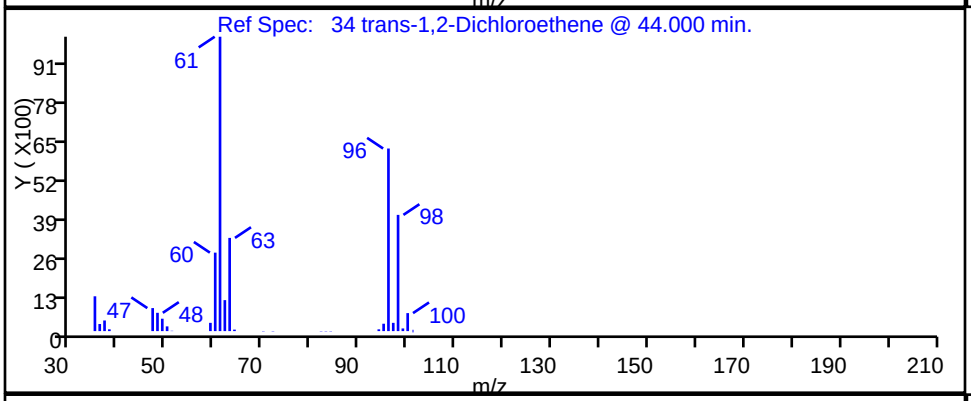
34 trans-1,2-Dichloroethene, CAS: 156-60-5

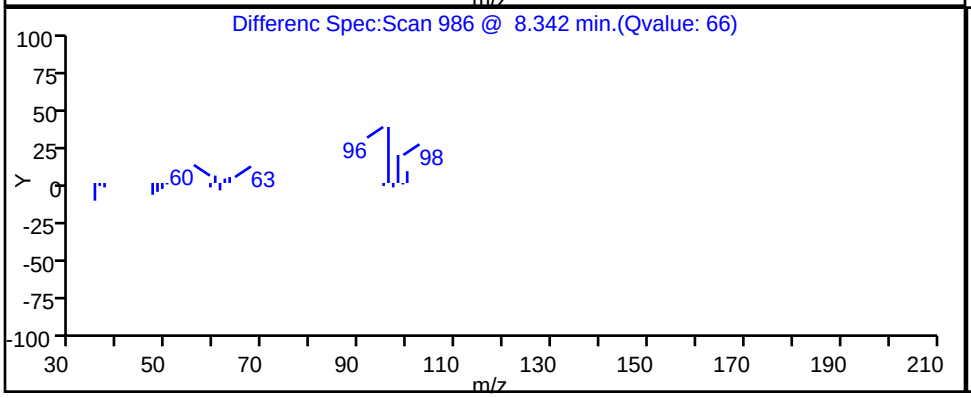


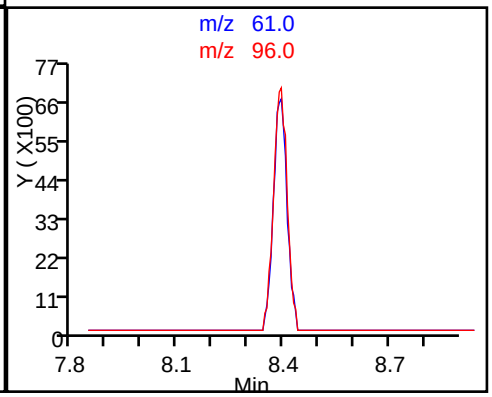












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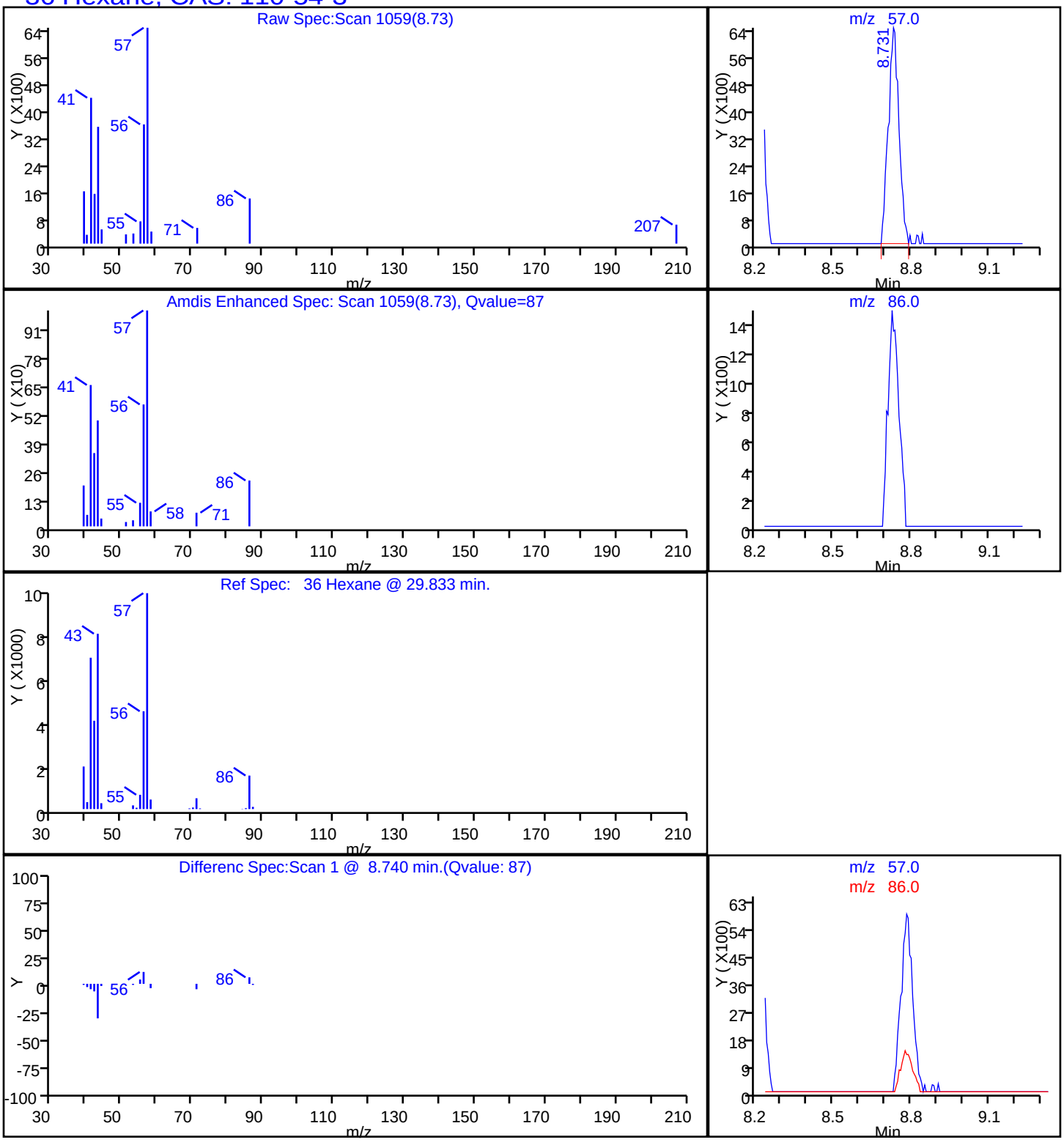
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D

Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



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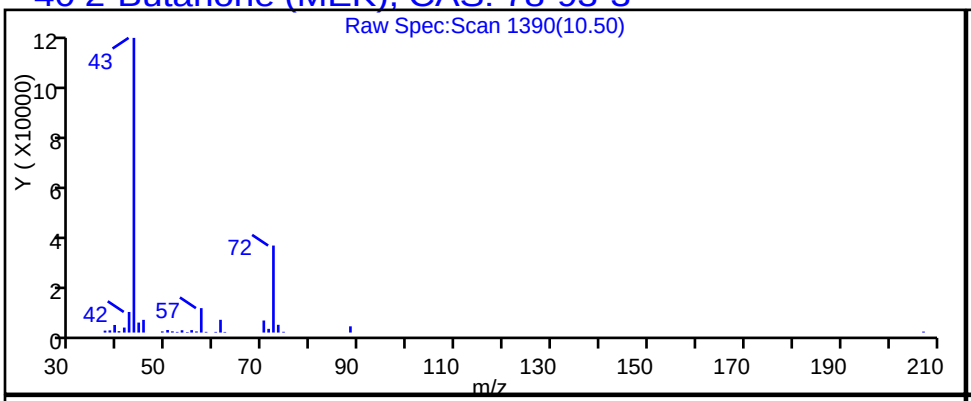
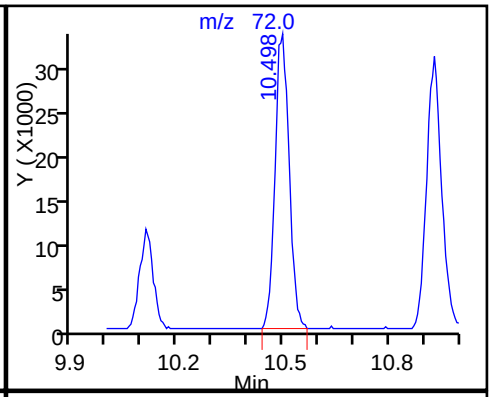
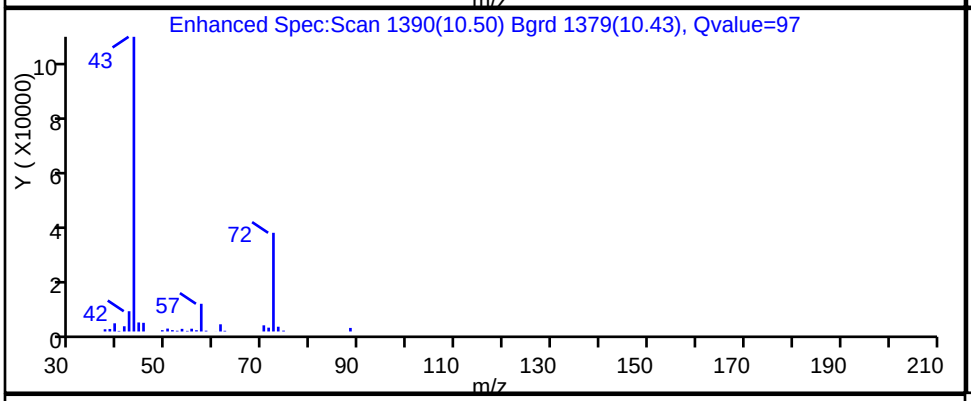
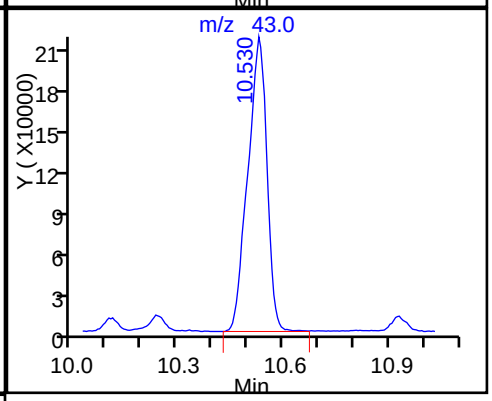
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

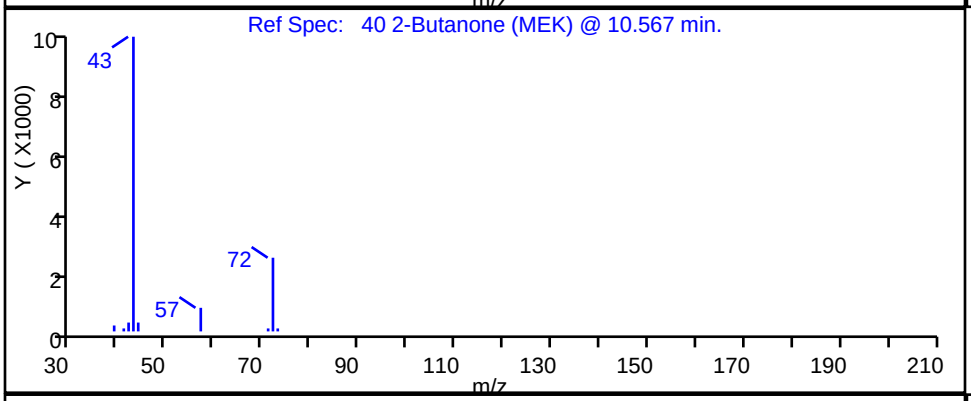
40 2-Butanone (MEK), CAS: 78-93-3

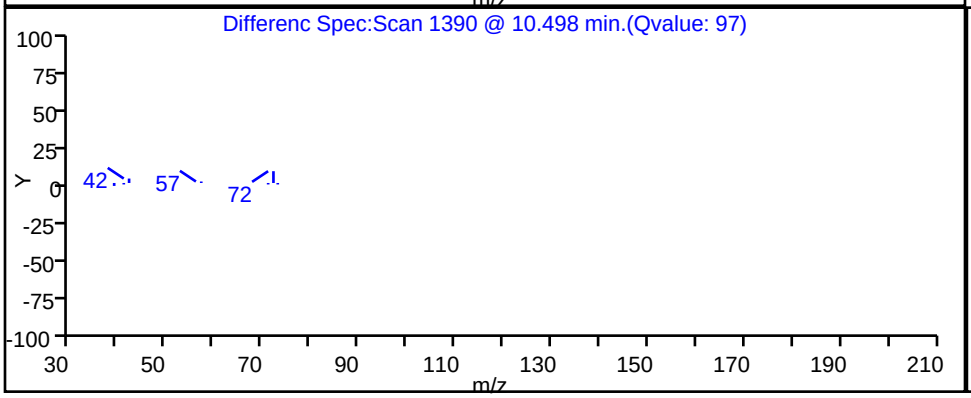


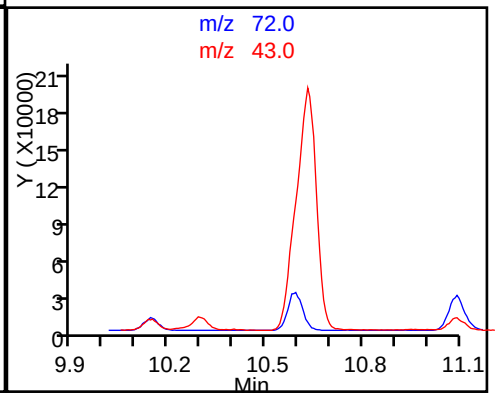












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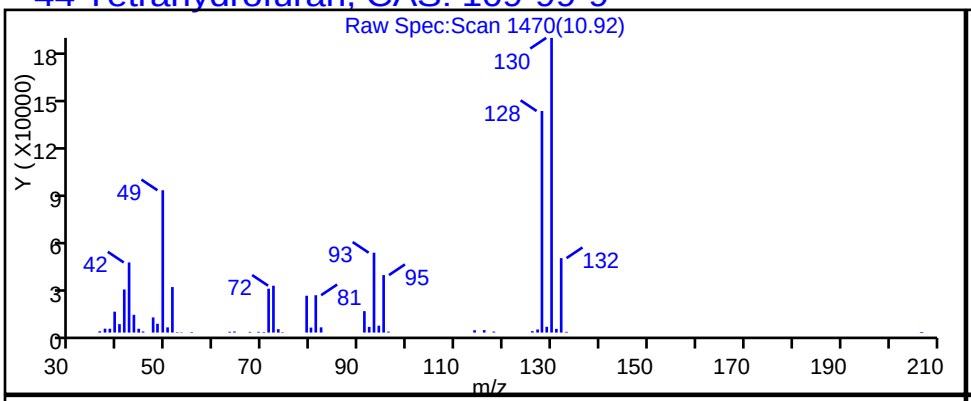
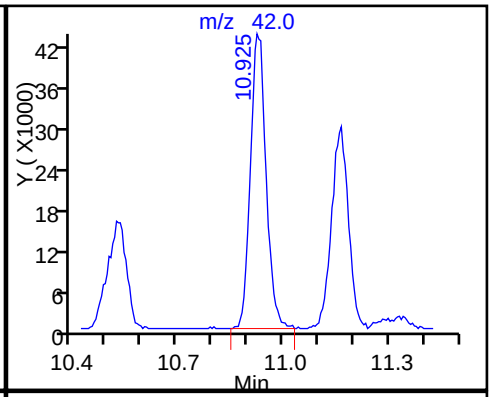
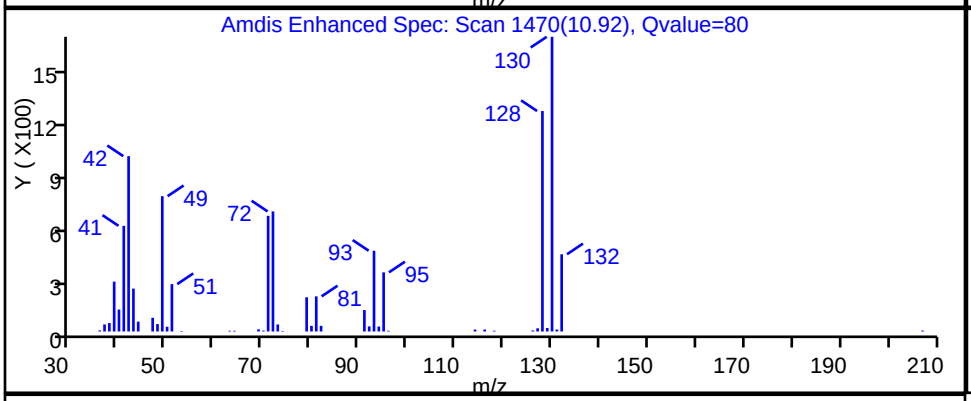
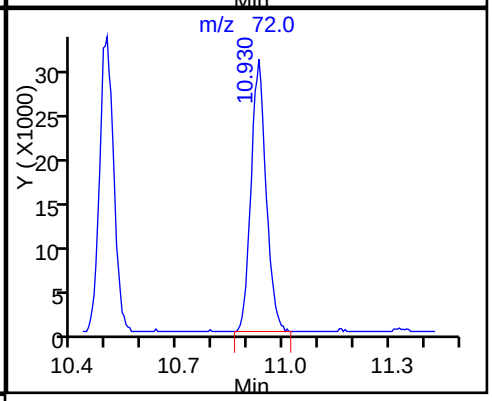
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

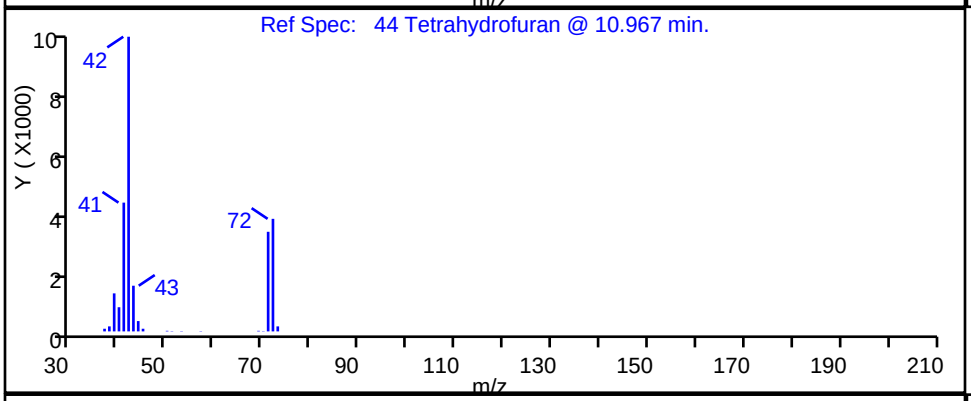
44 Tetrahydrofuran, CAS: 109-99-9

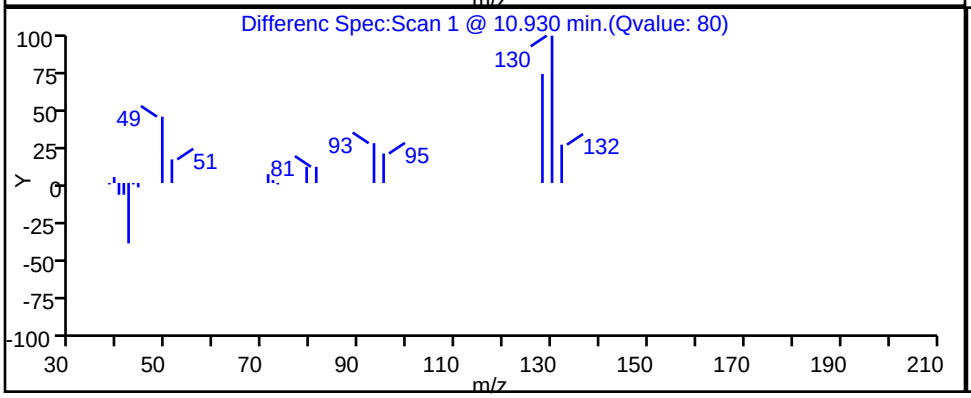


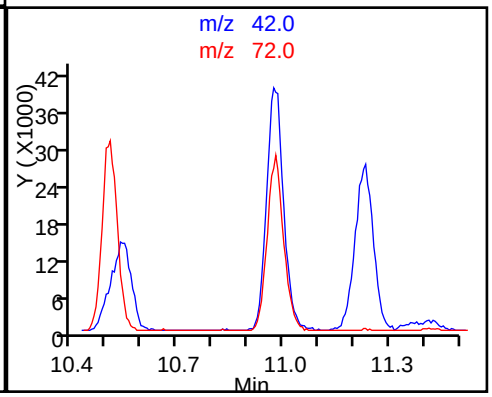












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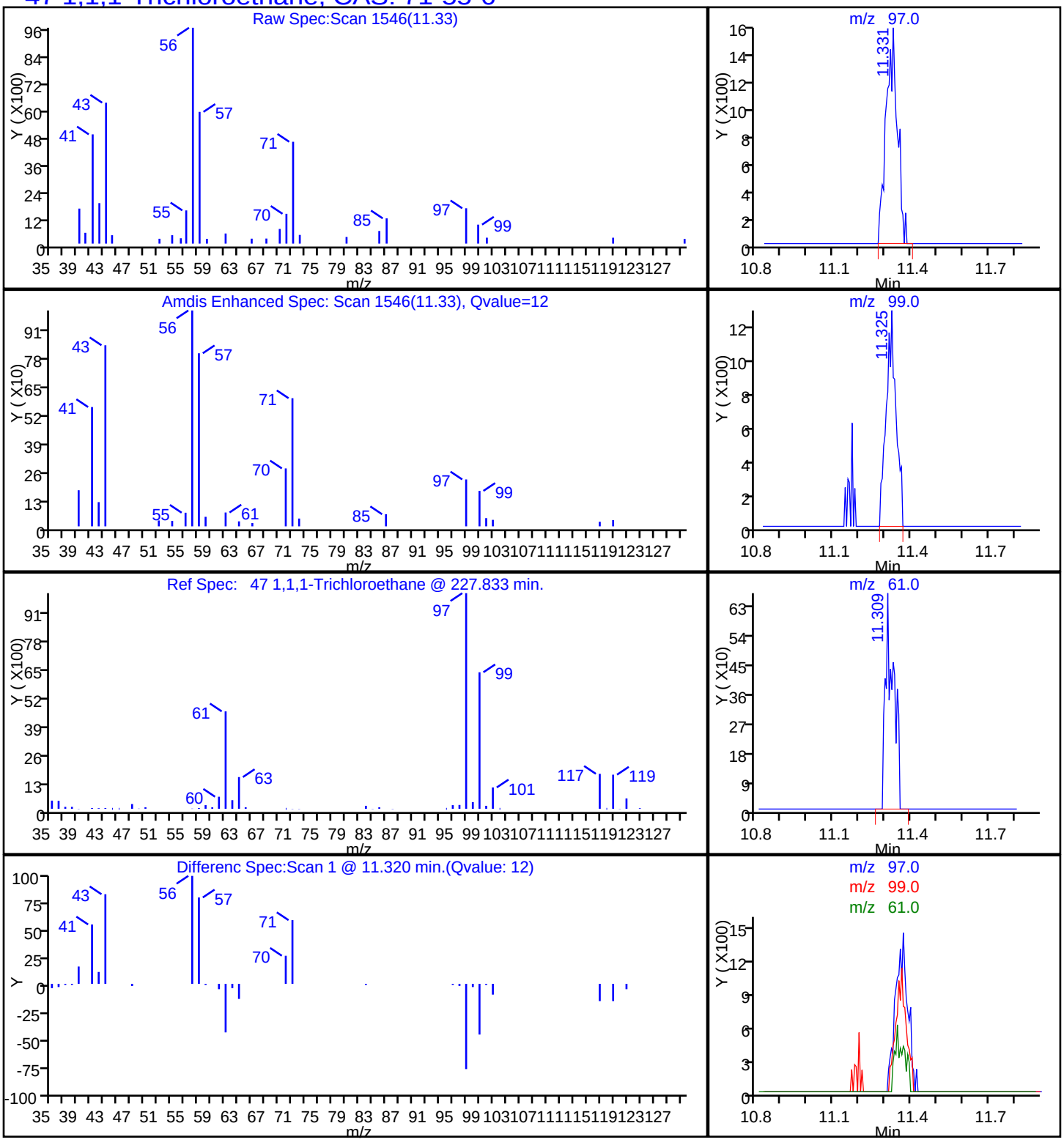
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D

Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



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TestAmerica Burlington

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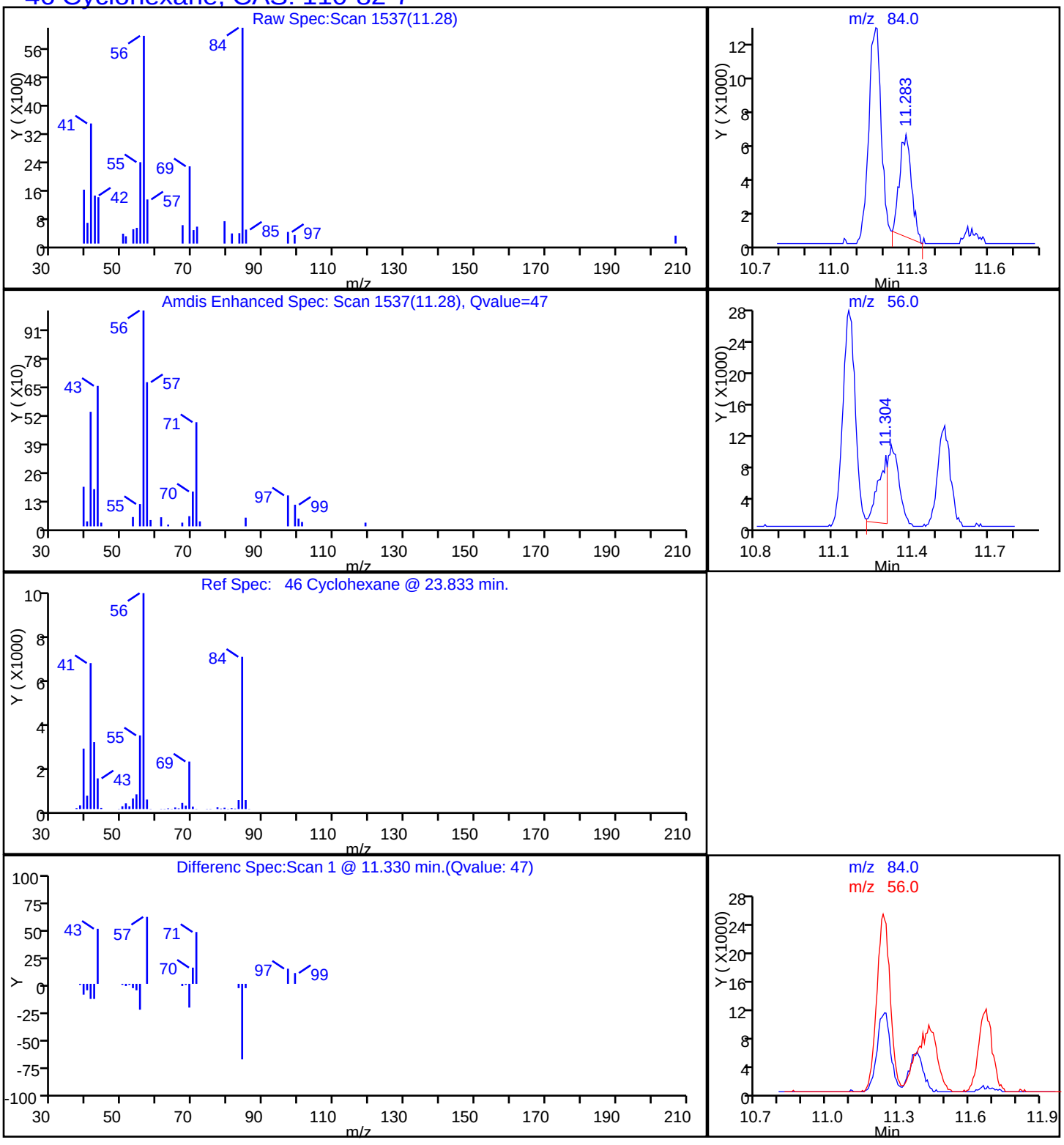
Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



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TestAmerica Burlington

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Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
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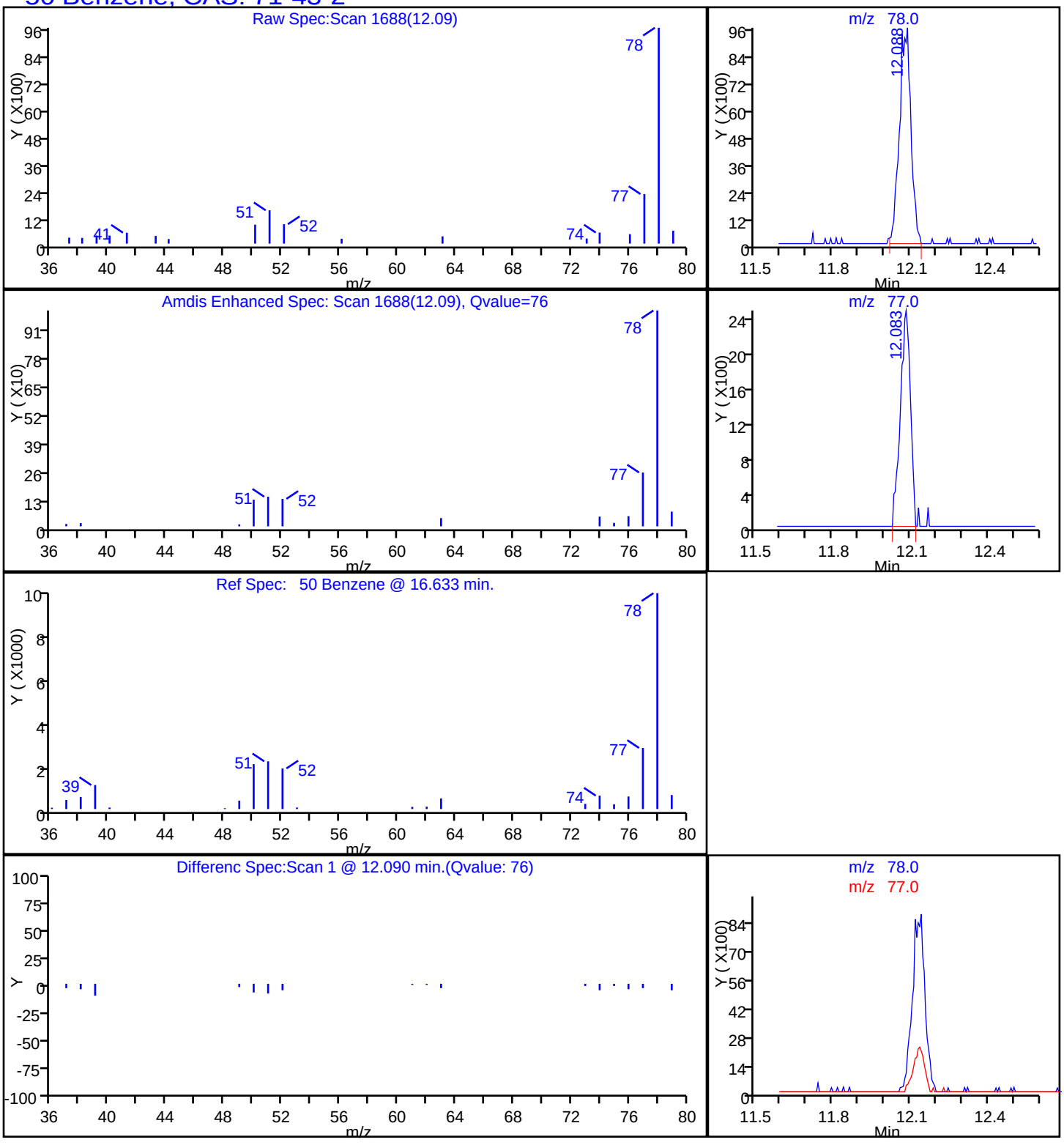
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



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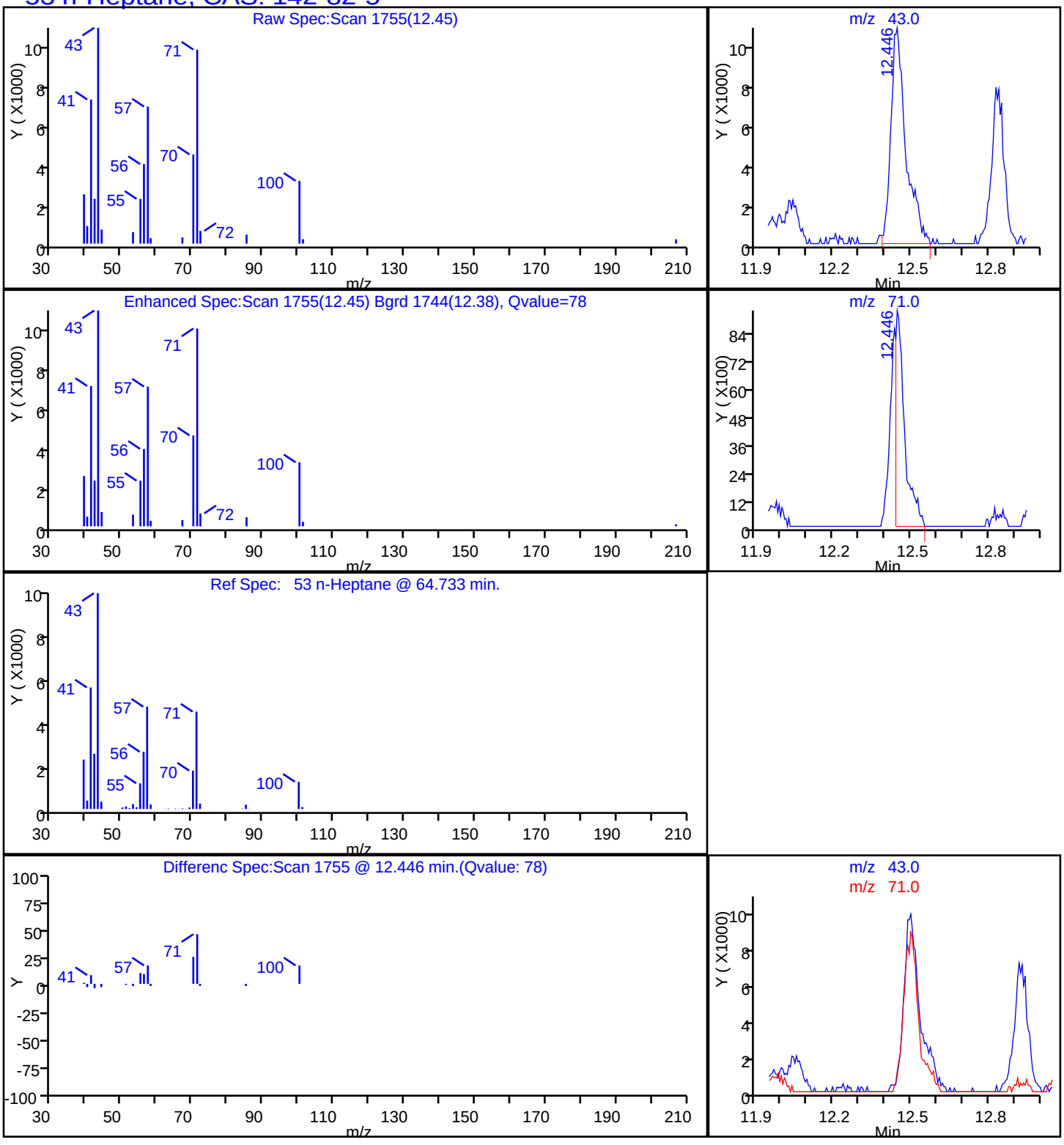
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5



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TestAmerica Burlington

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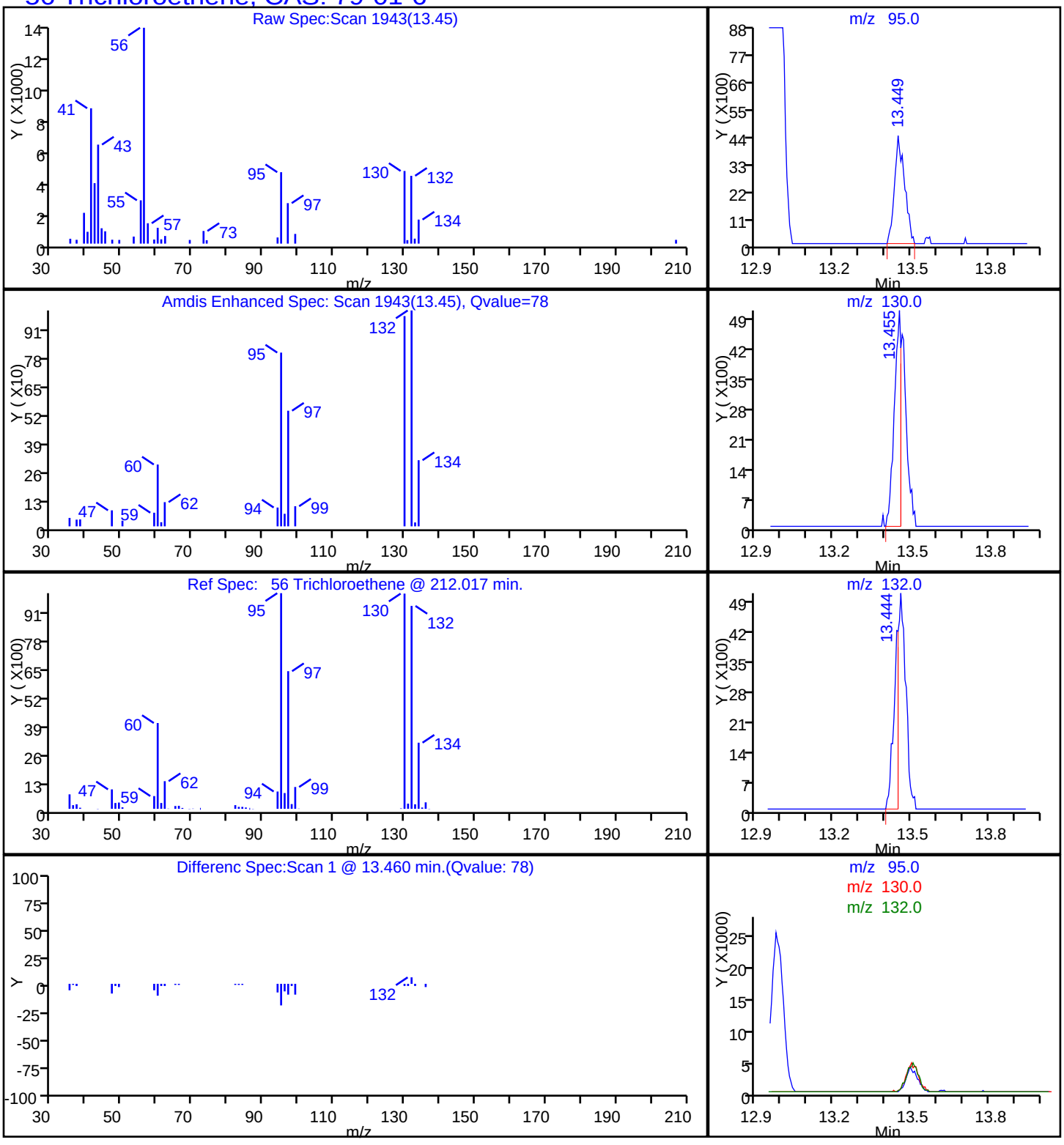
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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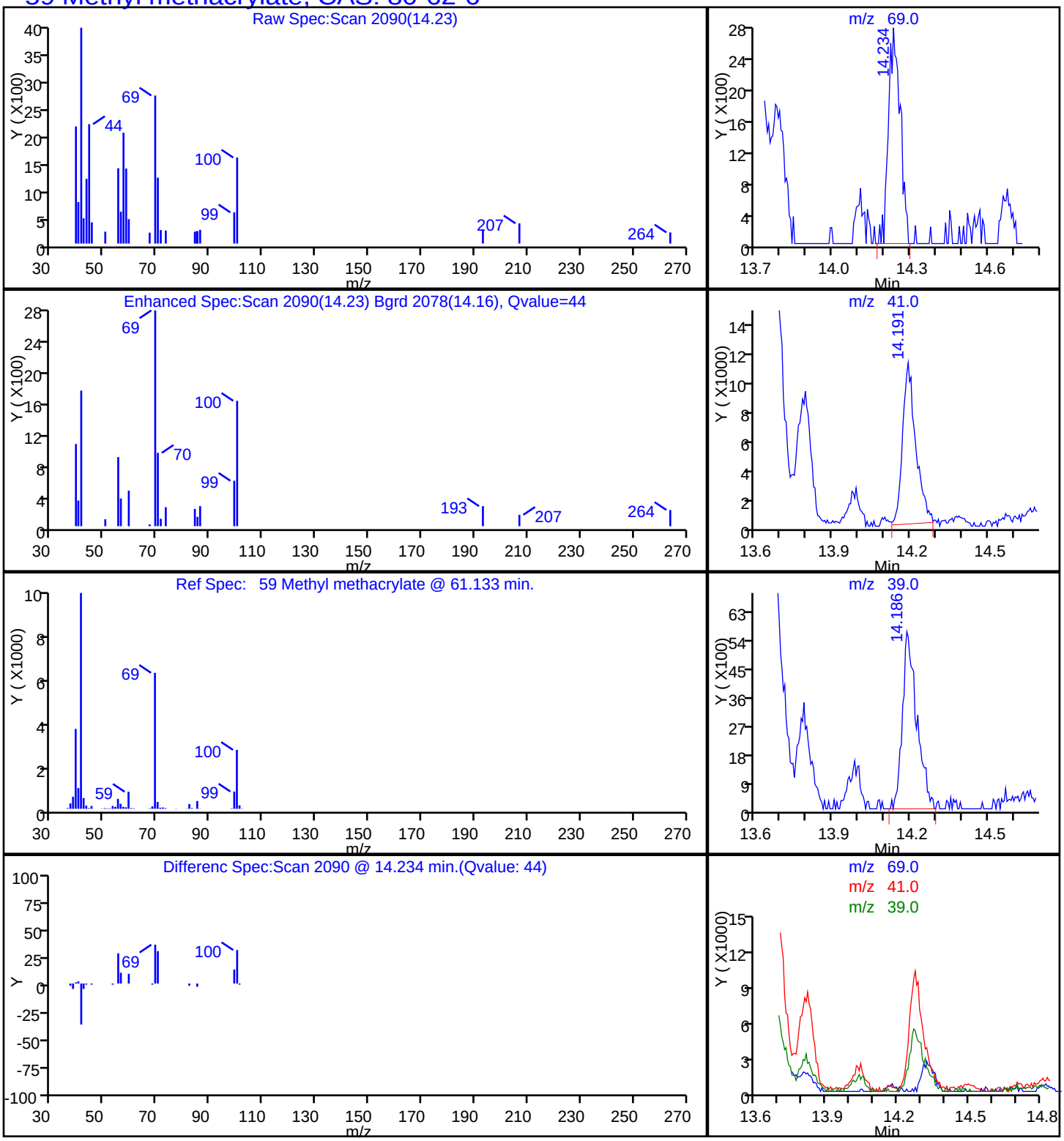
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

59 Methyl methacrylate, CAS: 80-62-6



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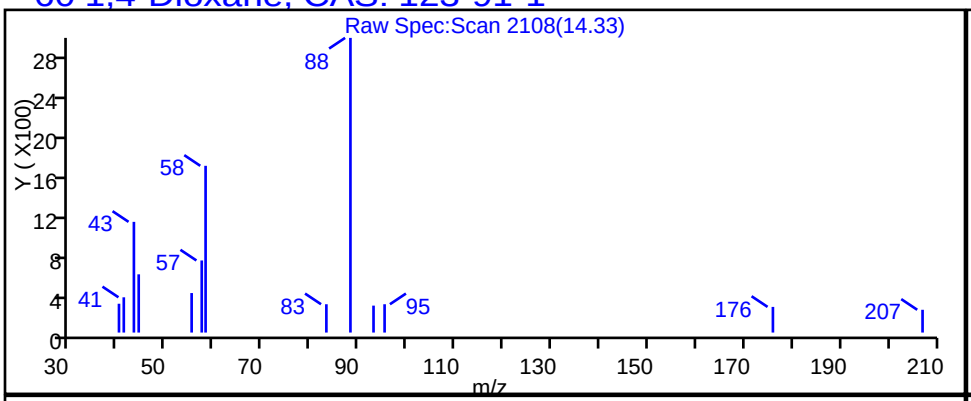
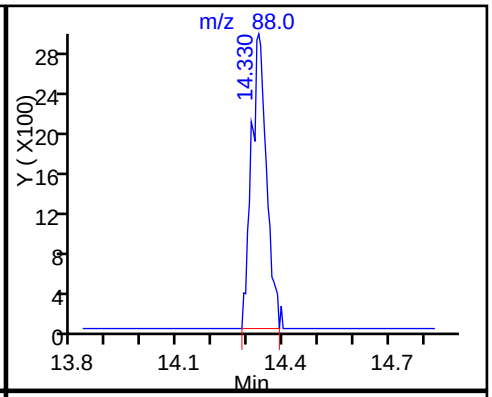
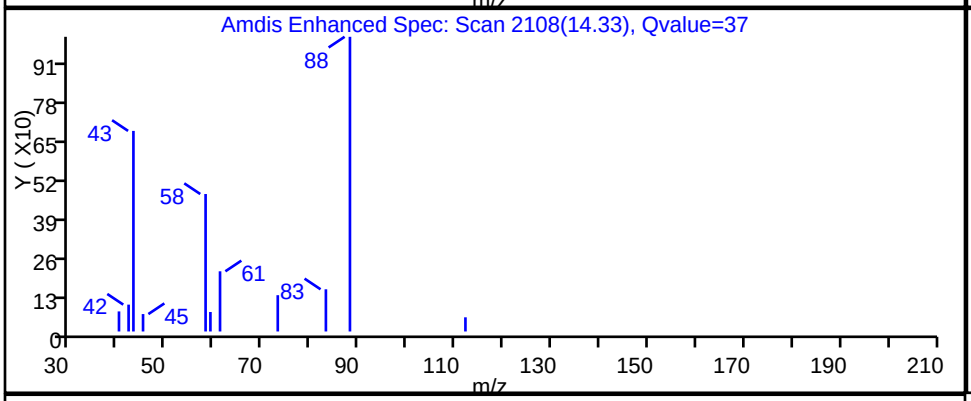
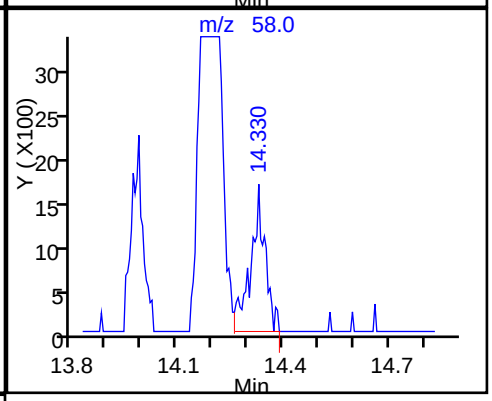
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

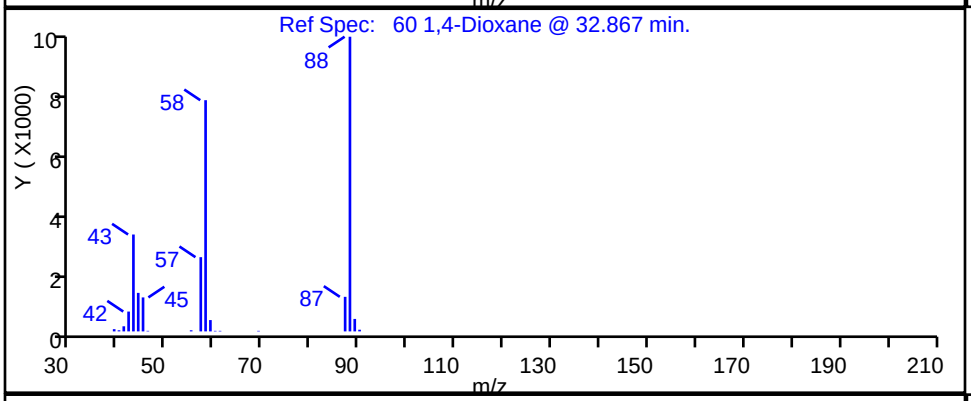
60 1,4-Dioxane, CAS: 123-91-1

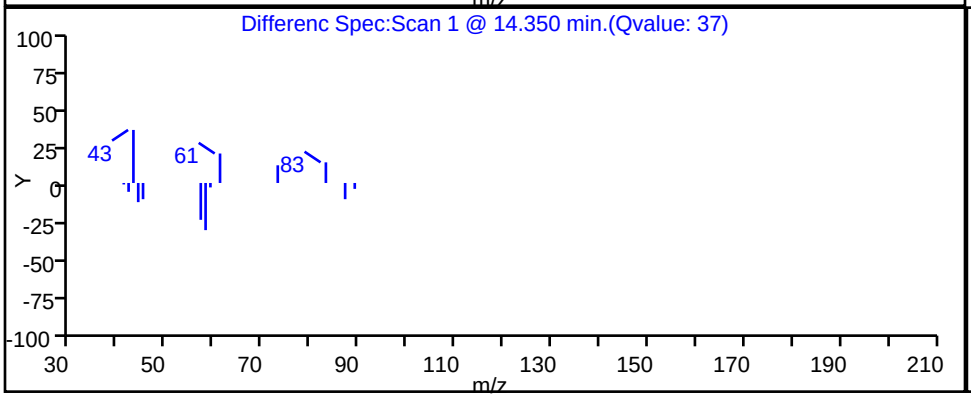


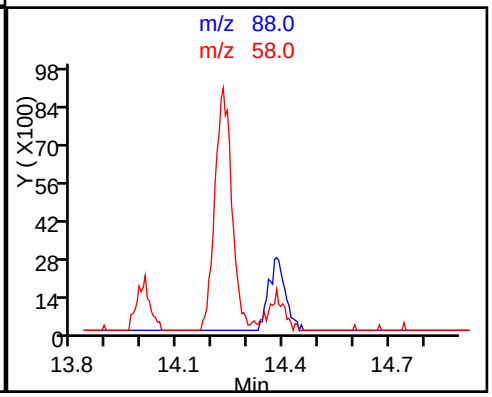












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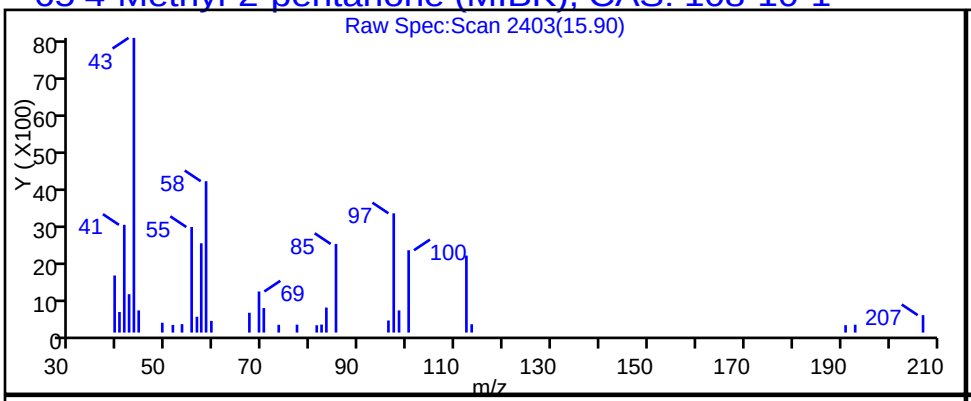
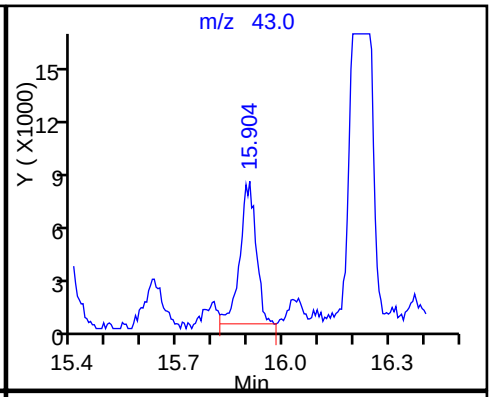
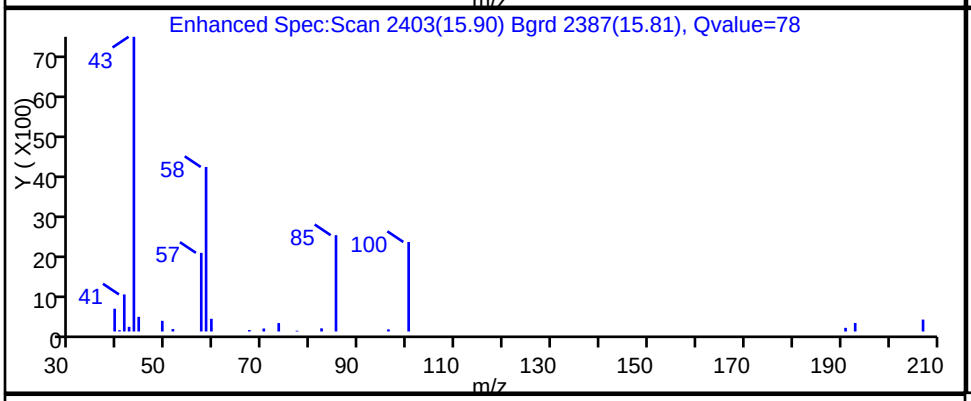
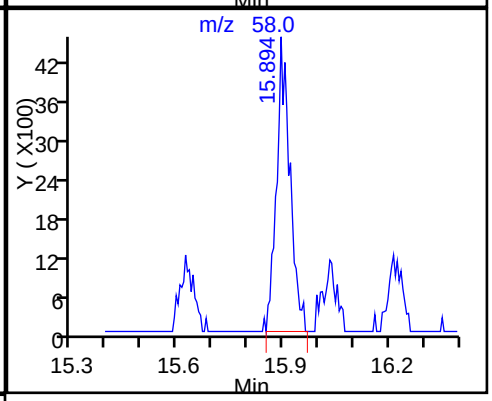
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

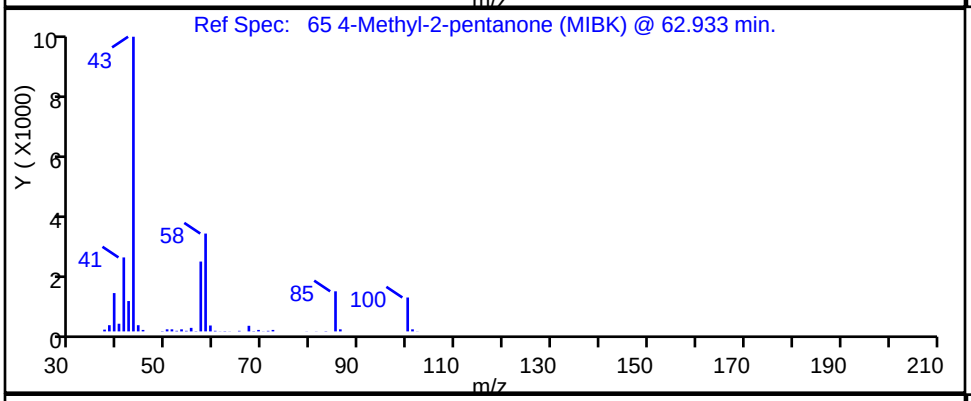
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

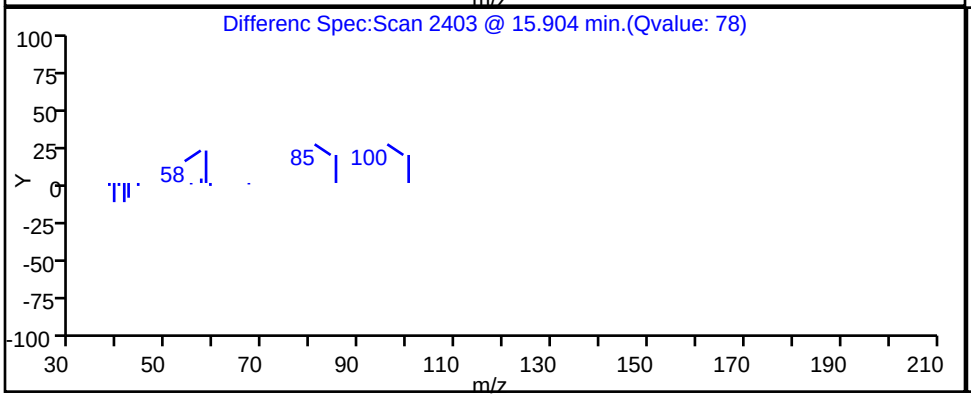


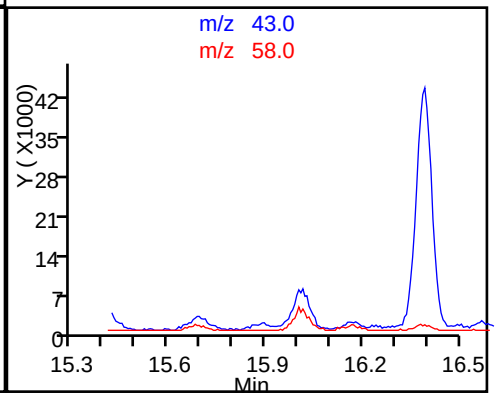












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TestAmerica Burlington

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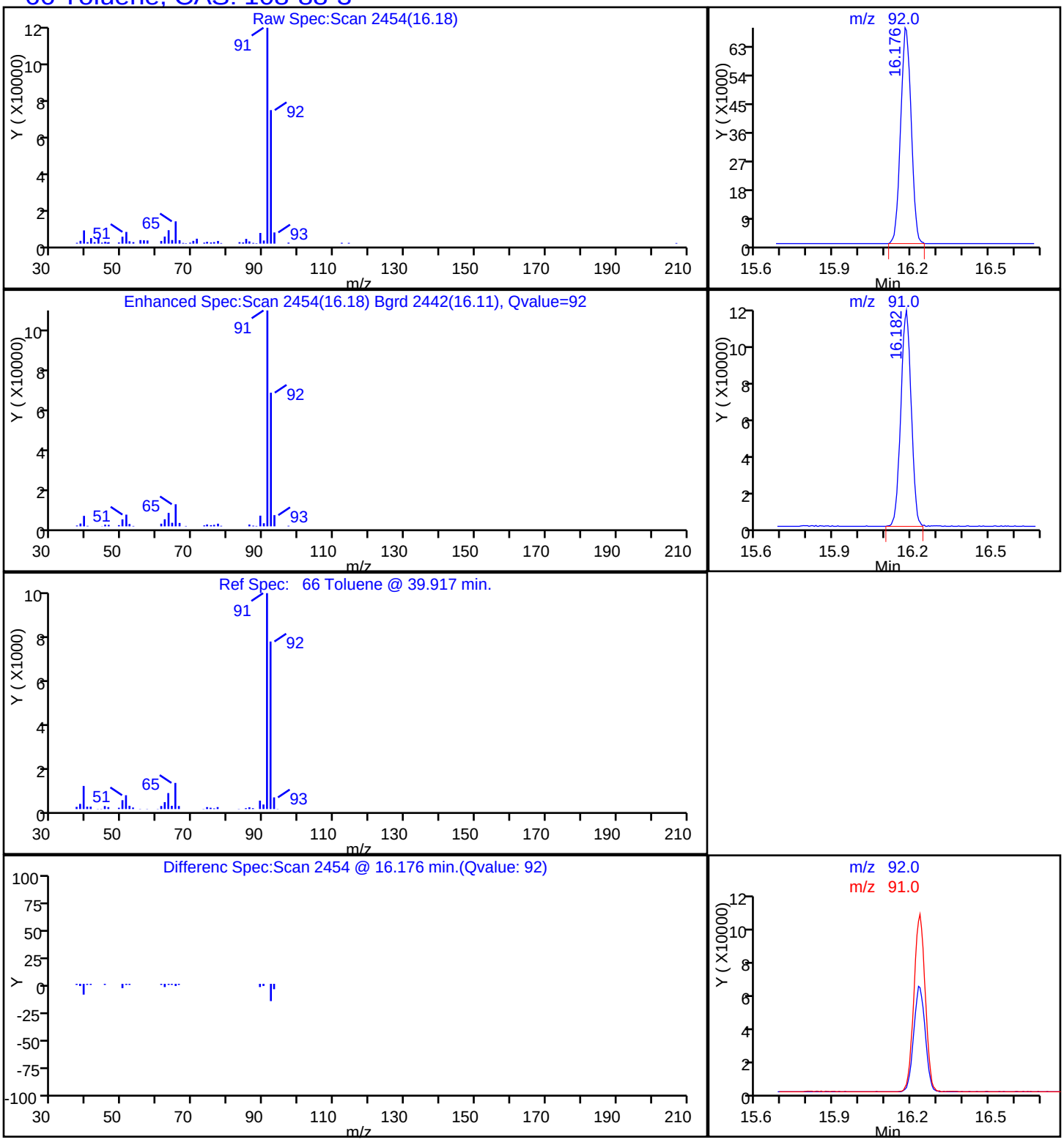
Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



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Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
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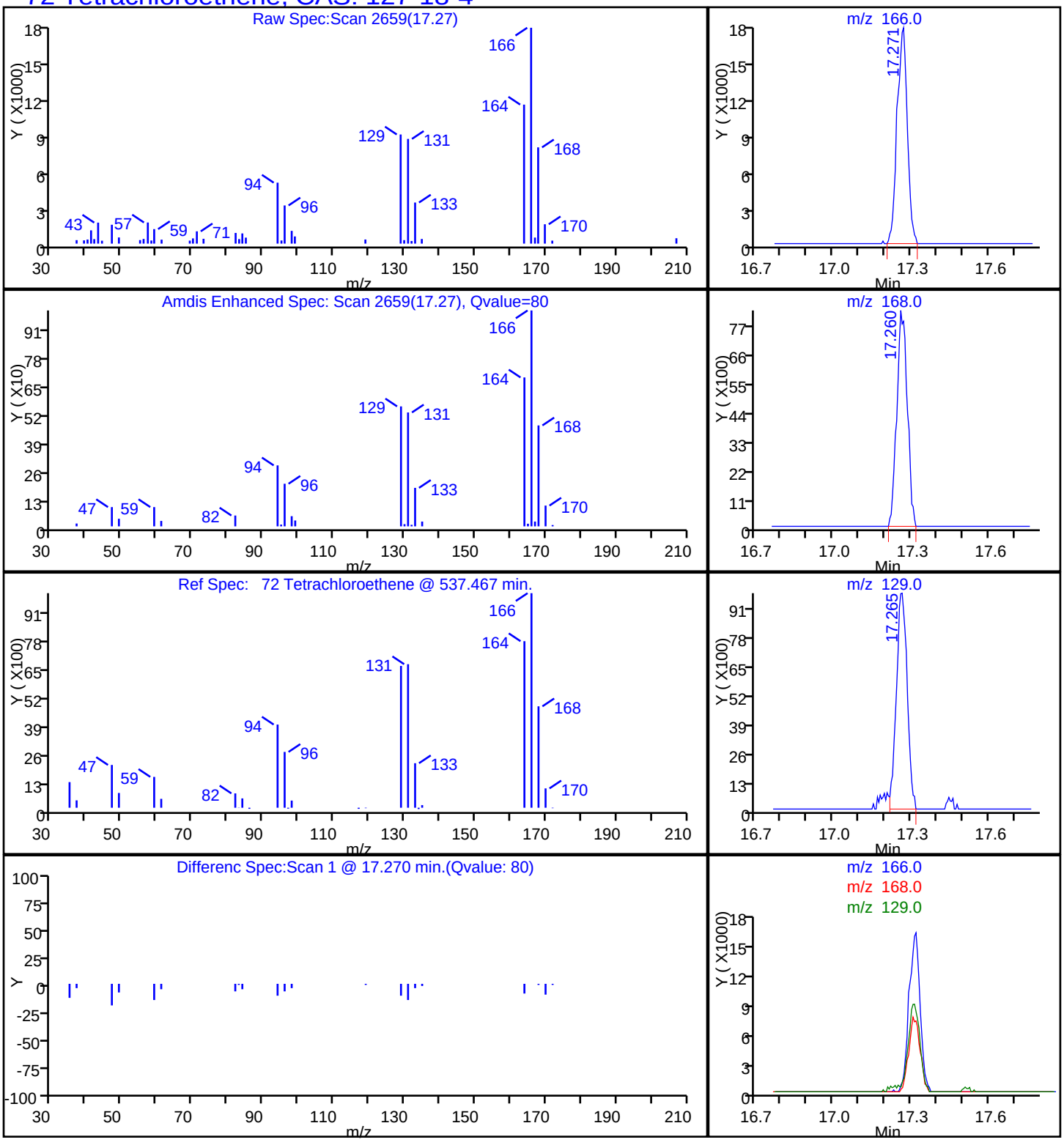
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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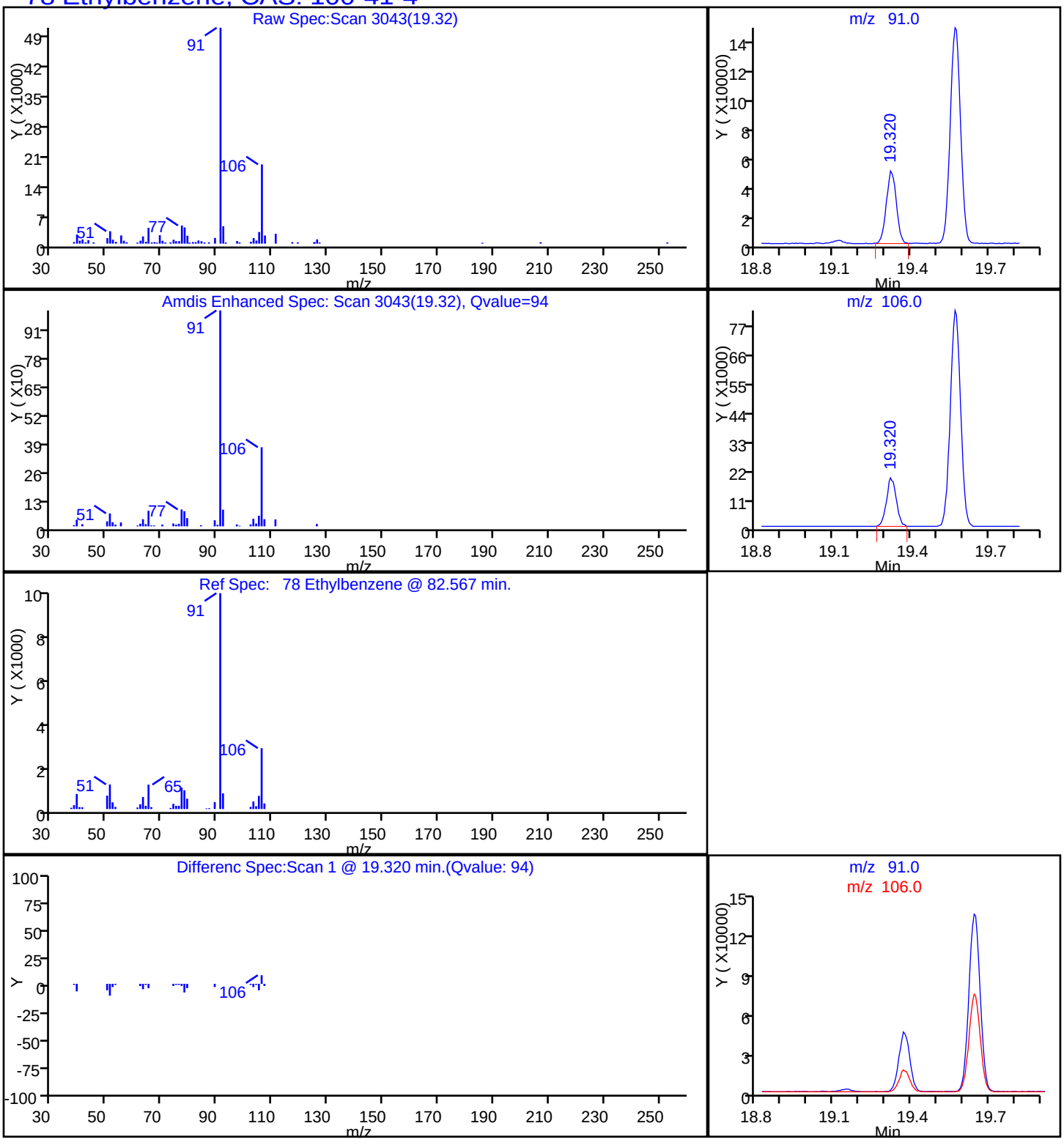
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4



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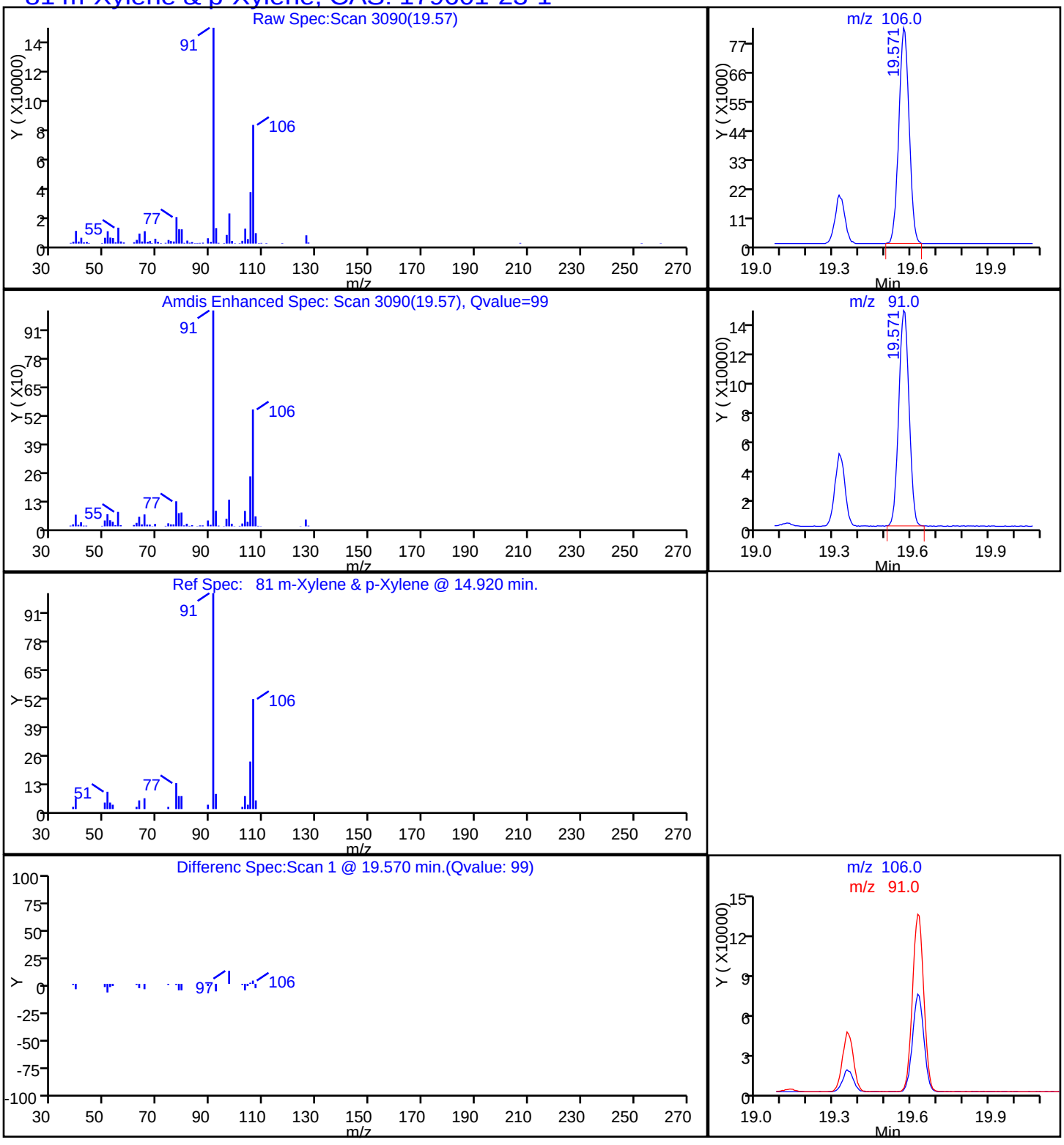
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



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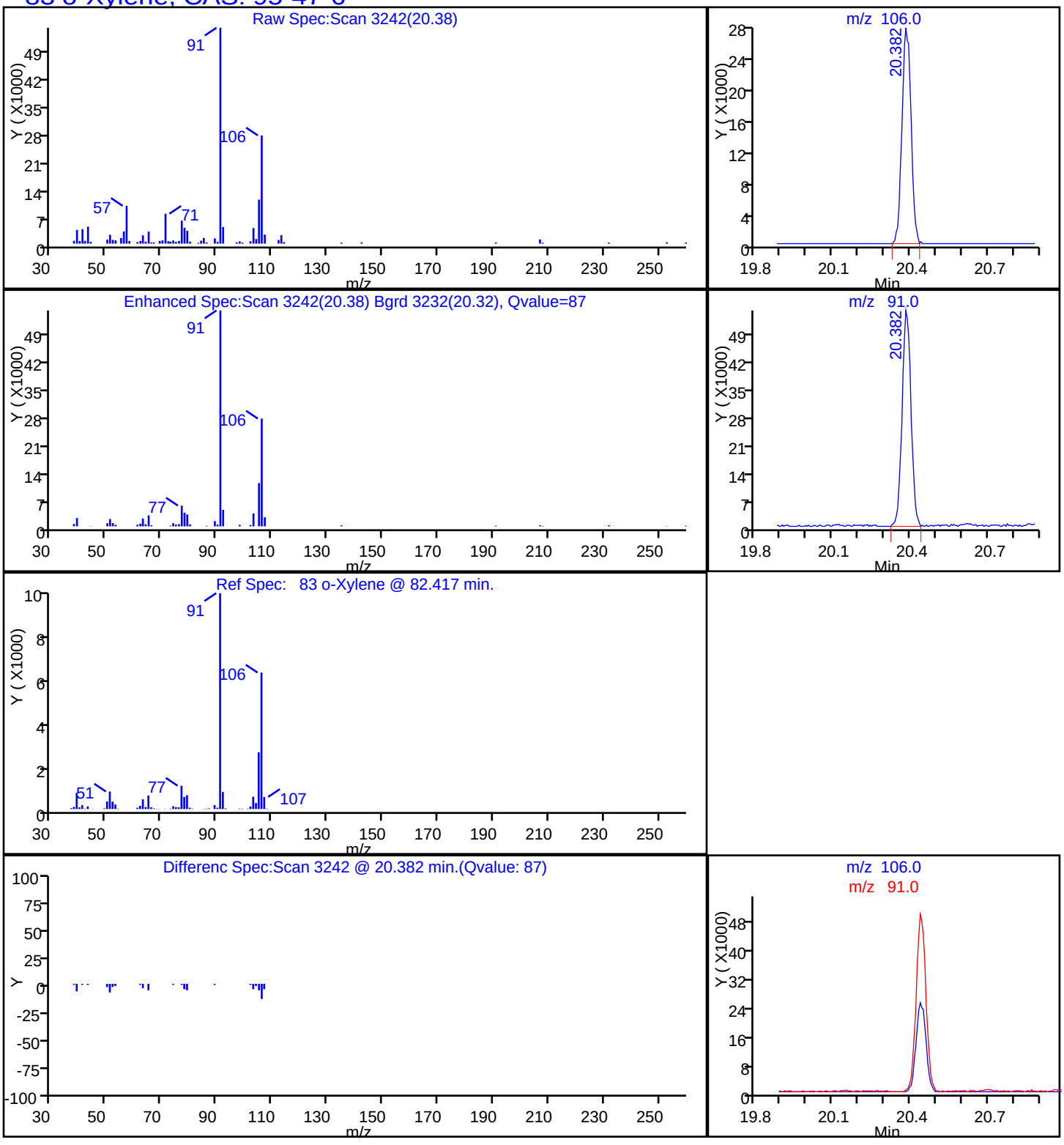
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



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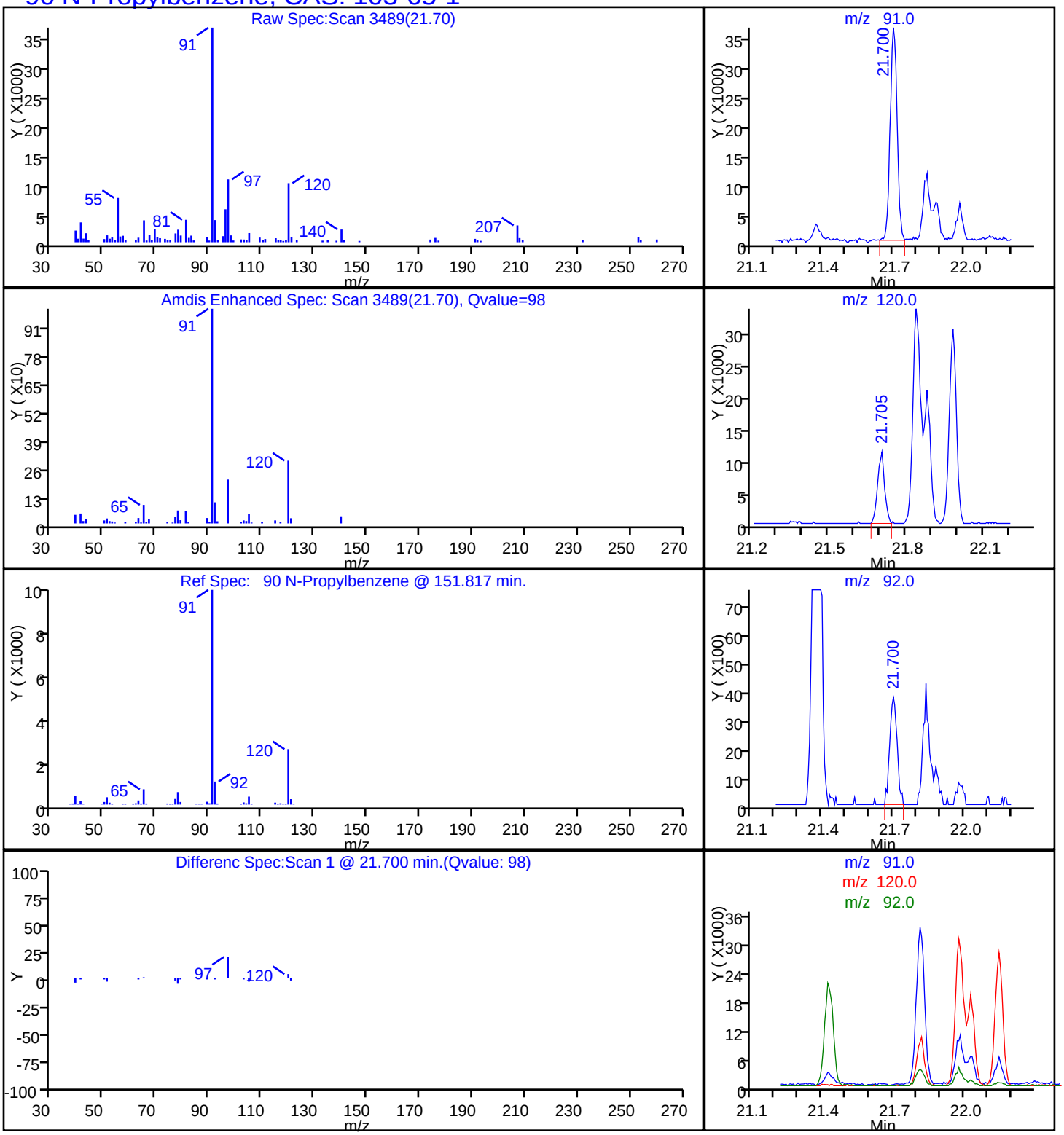
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

90 N-Propylbenzene, CAS: 103-65-1



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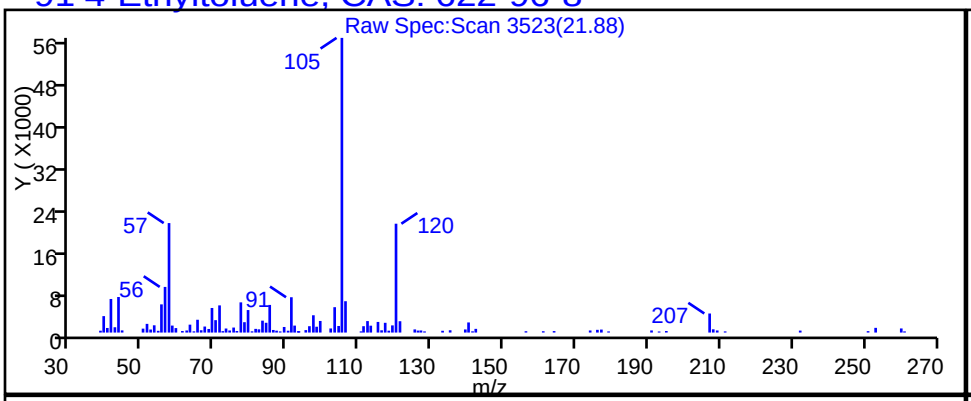
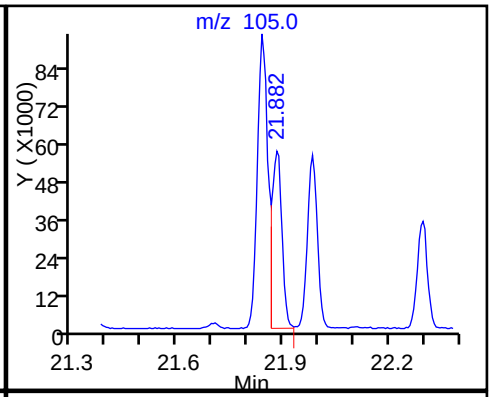
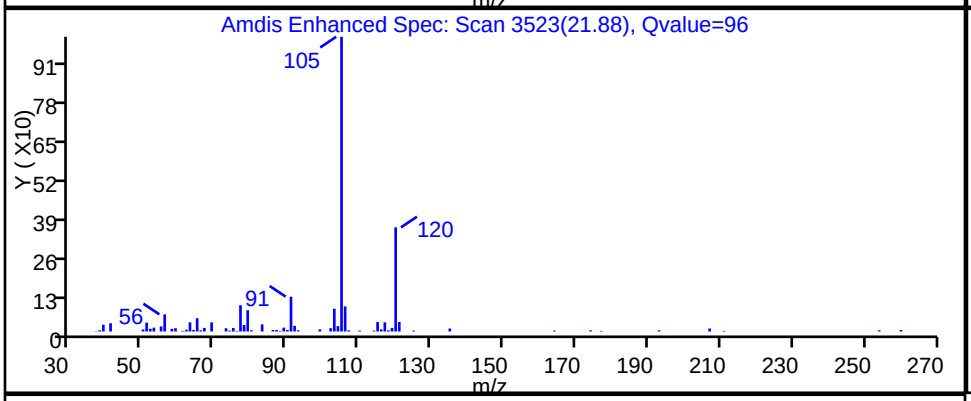
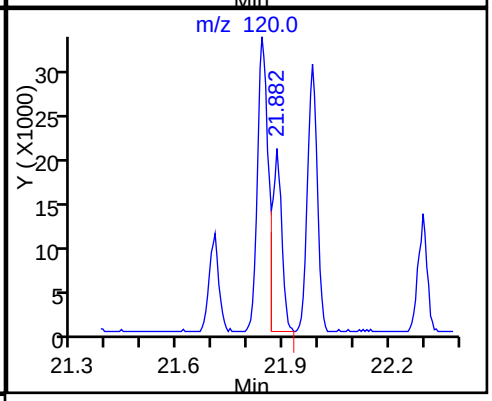
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

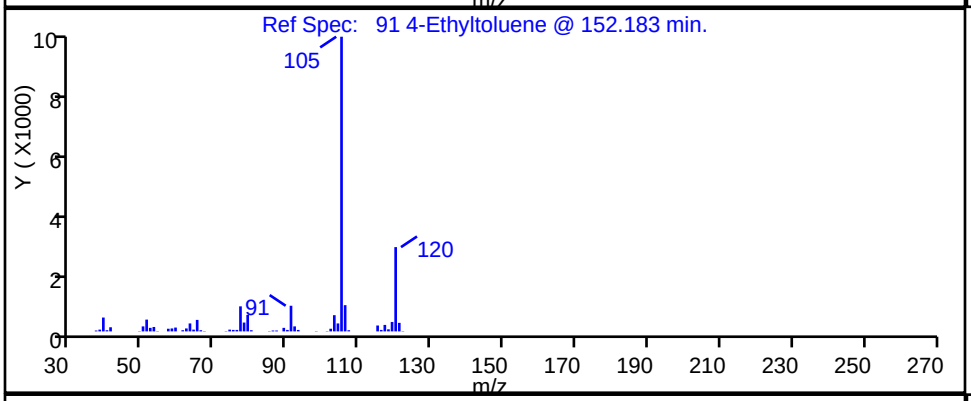
91 4-Ethyltoluene, CAS: 622-96-8

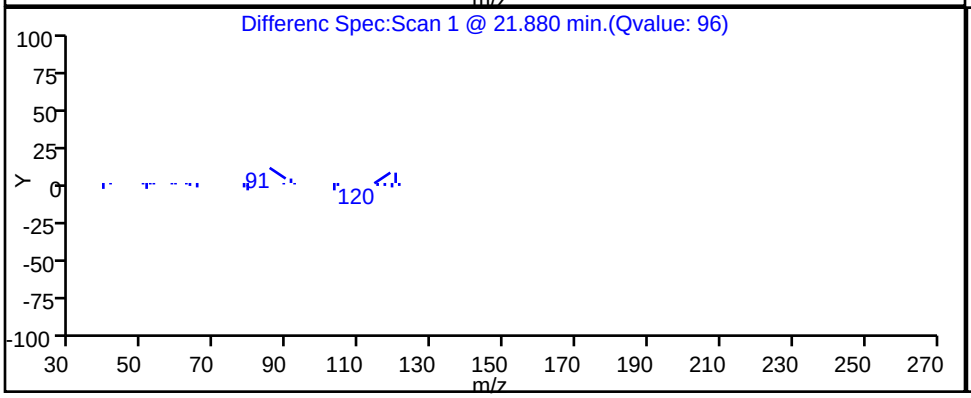


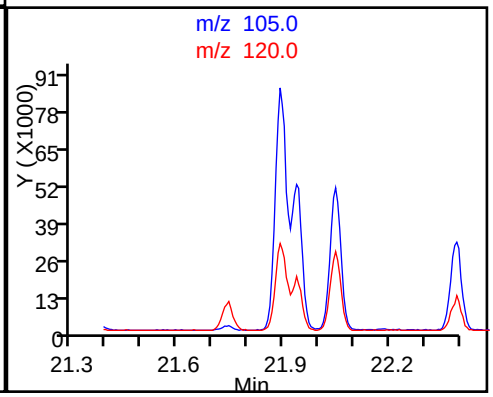












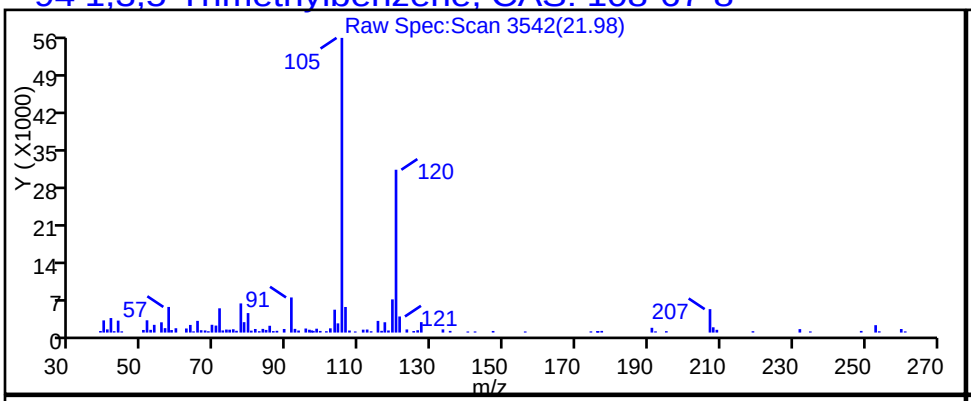
Report Date: 11-Apr-2014 11:08:45 Chrom Revision: 2.2 10-Apr-2014 15:11:30

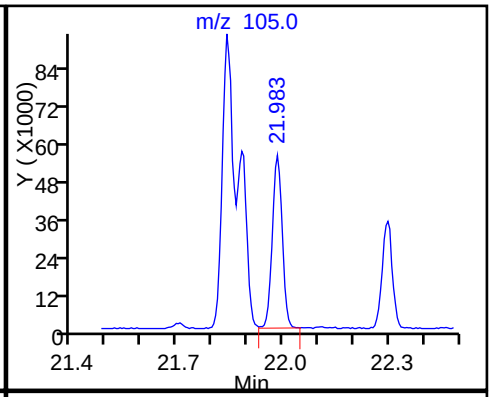
TestAmerica Burlington

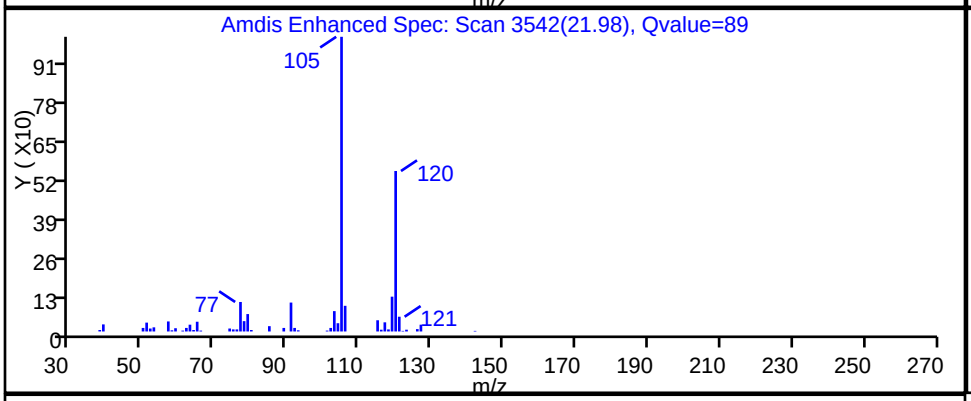
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D

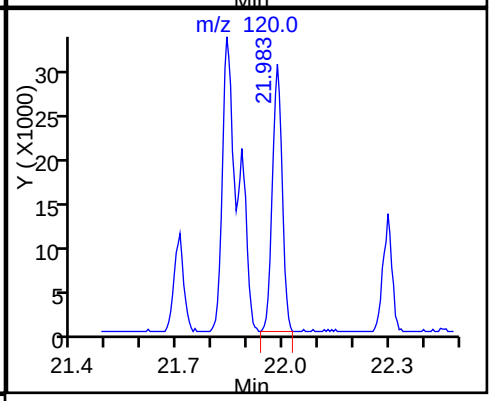
Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

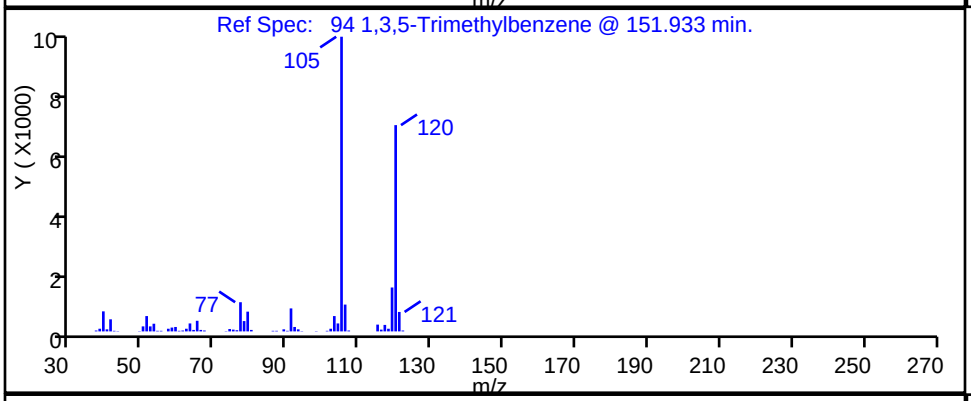
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

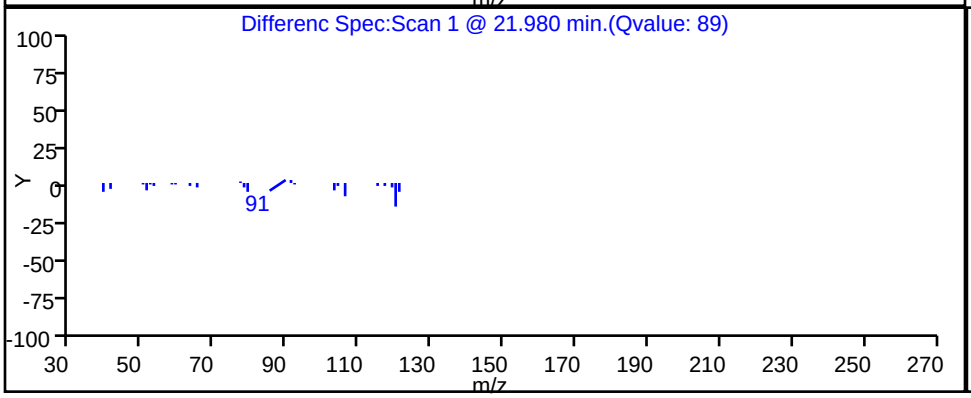


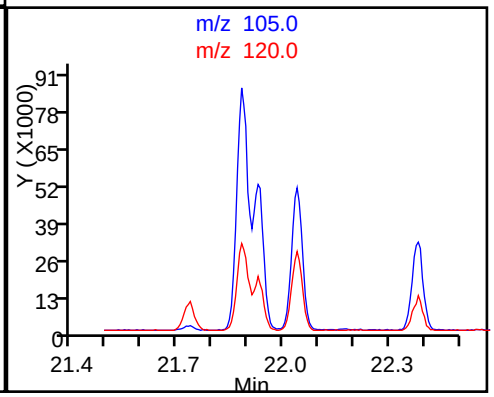












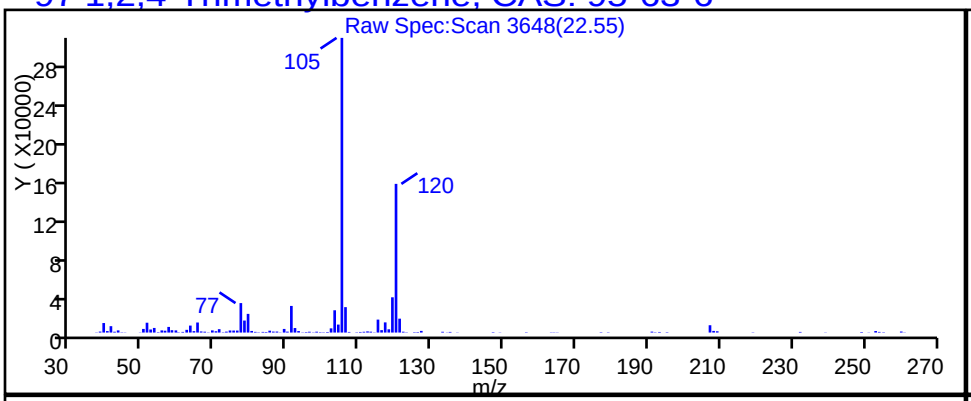
Report Date: 11-Apr-2014 11:08:45 Chrom Revision: 2.2 10-Apr-2014 15:11:30

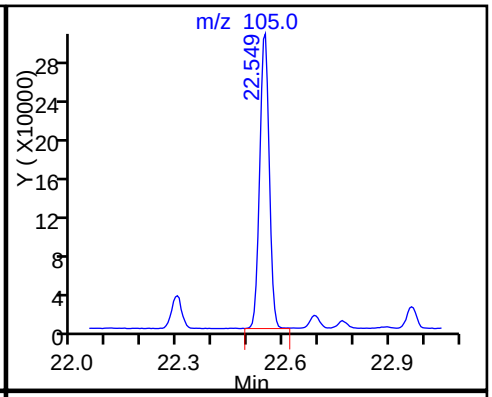
TestAmerica Burlington

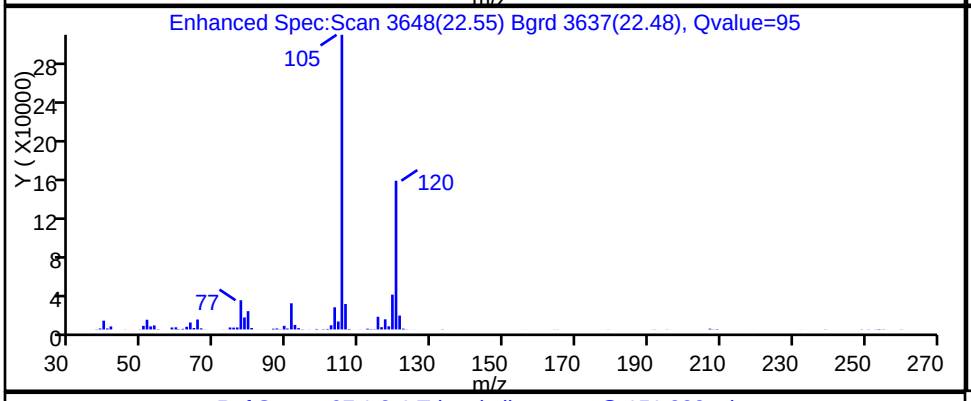
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D

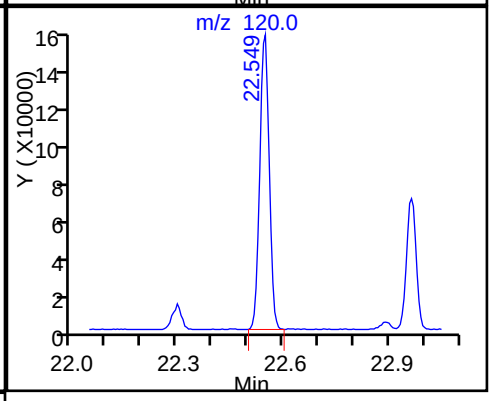
Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

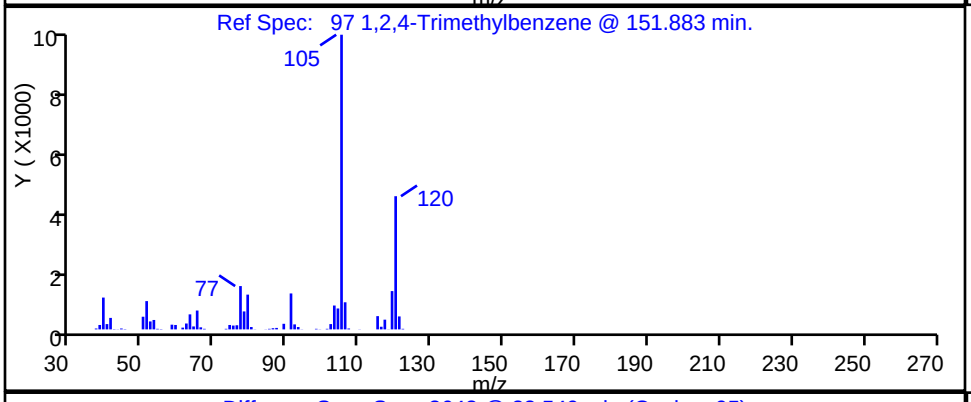
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

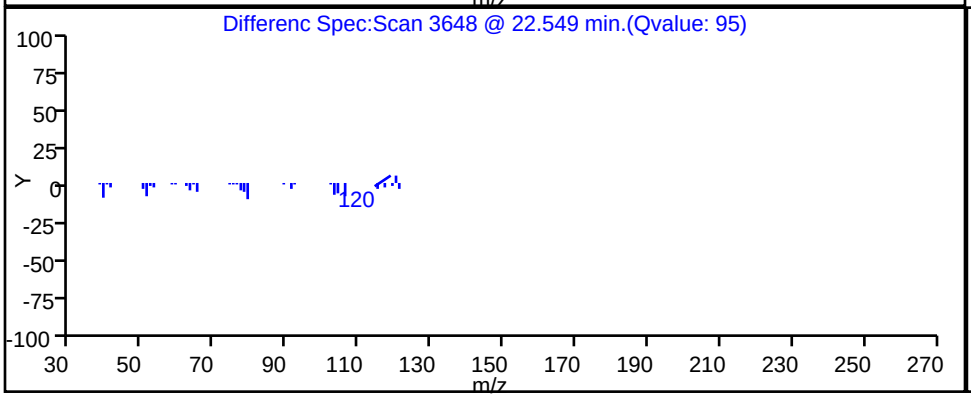


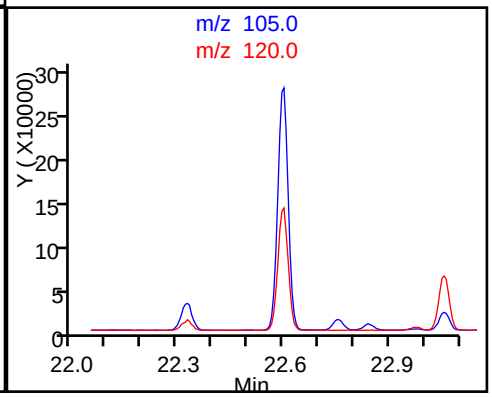












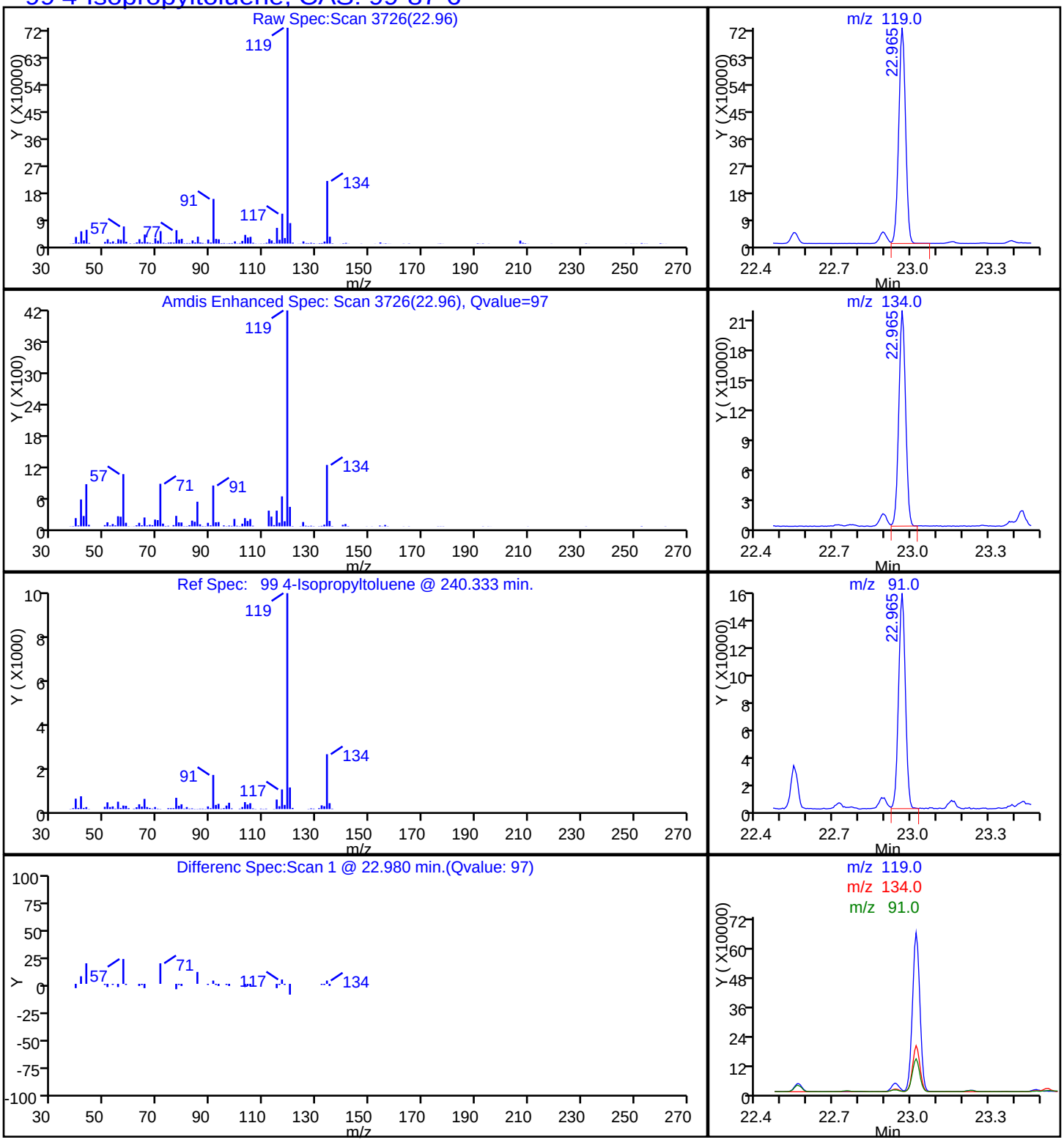
Report Date: 11-Apr-2014 11:08:45 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D

Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

99 4-Isopropyltoluene, CAS: 99-87-6



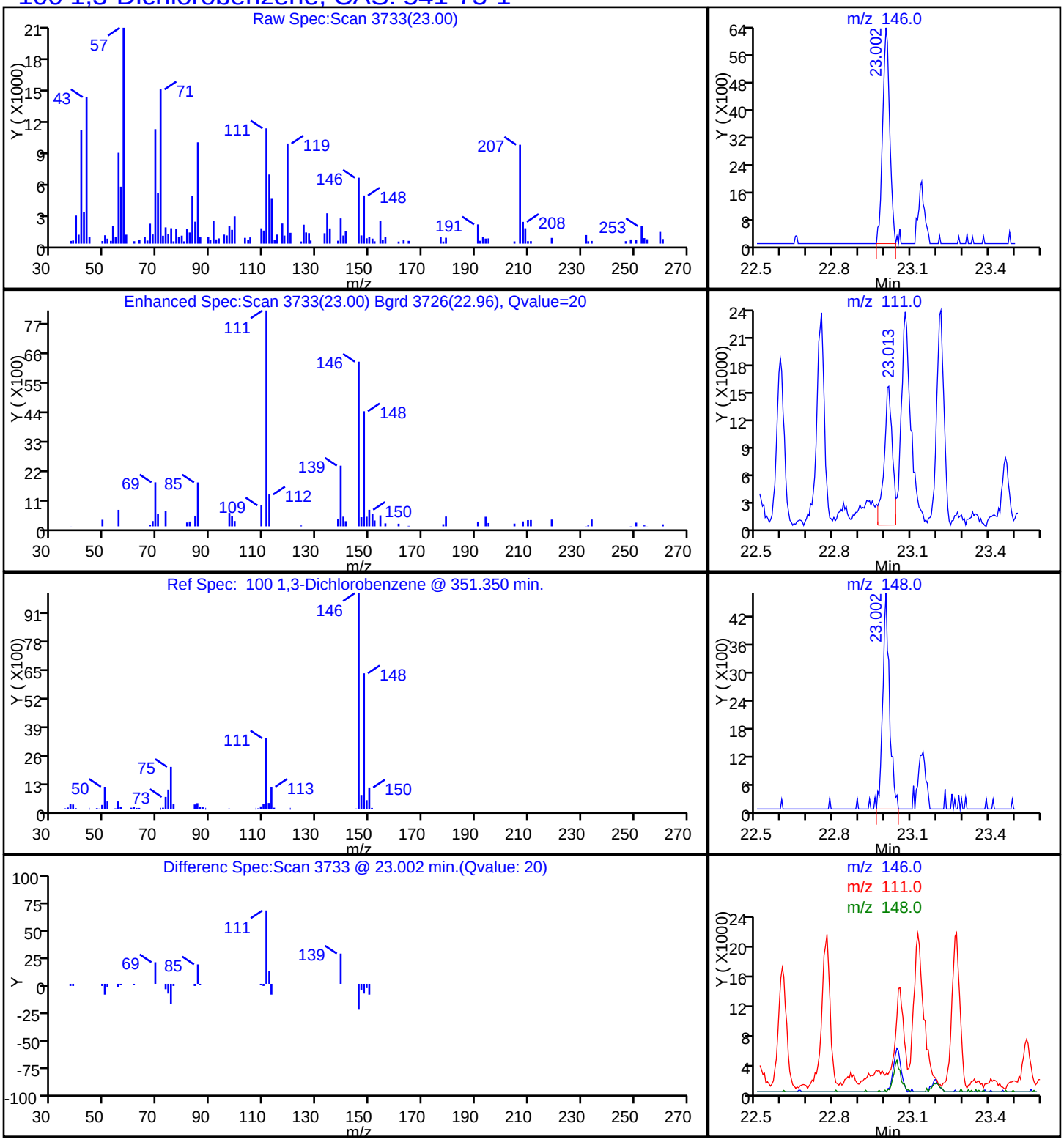
Report Date: 11-Apr-2014 11:08:45 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D

Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



Manual Integration/User Assign Peak Report

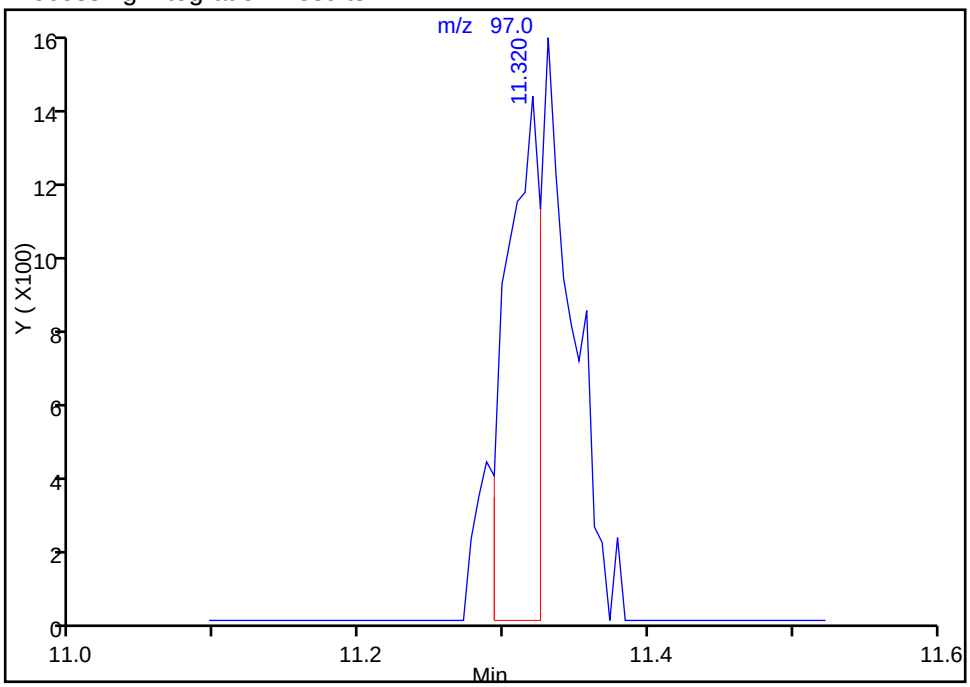
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D				
Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

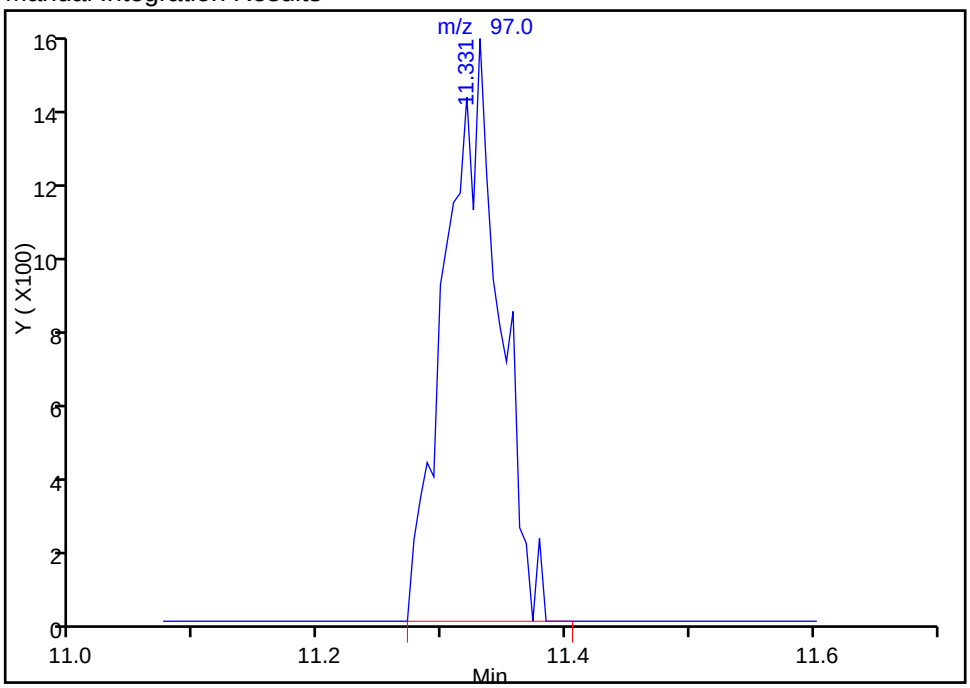
Processing Integration Results

RT: 11.32
Response: 2288
Amount: 0.013117



Manual Integration Results

RT: 11.33
Response: 4760
Amount: 0.027290



Reviewer: desjardinsb, 11-Apr-2014 11:08:44
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

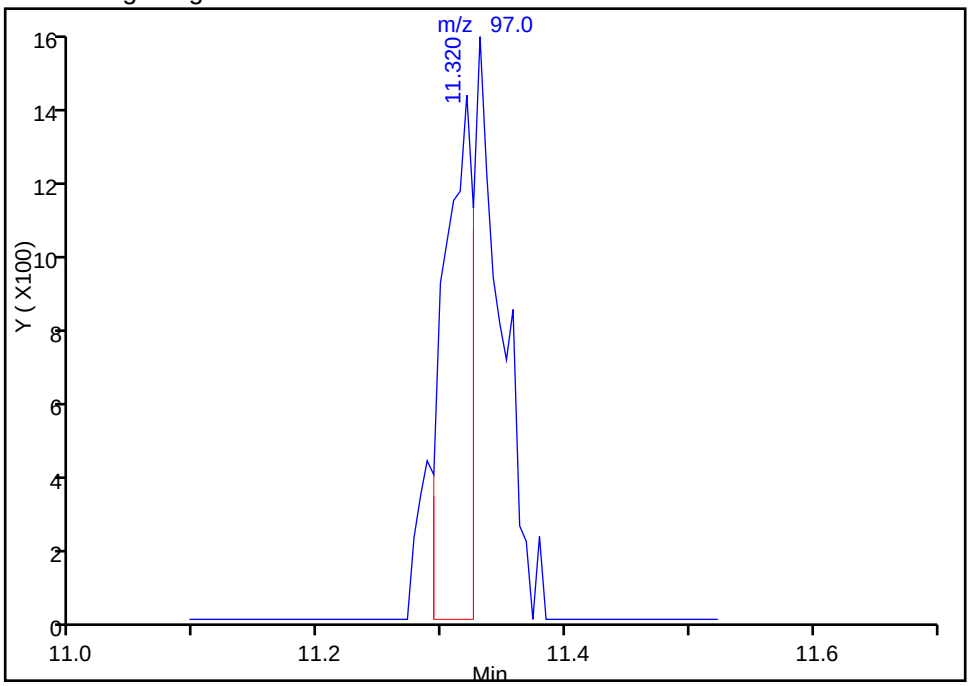
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D				
Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

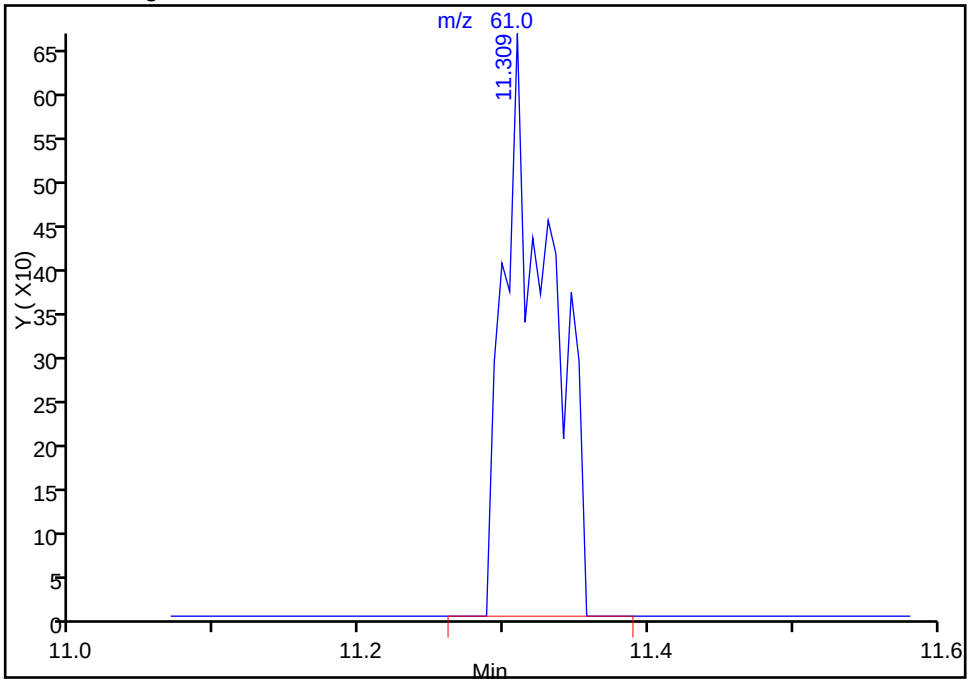
Processing Integration Results

RT: 11.33
Response: 0
Amount: 0.013117



Manual Integration Results

RT: 11.31
Response: 1468
Amount: 0.027290



Reviewer: desjardinsb, 11-Apr-2014 11:08:44
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

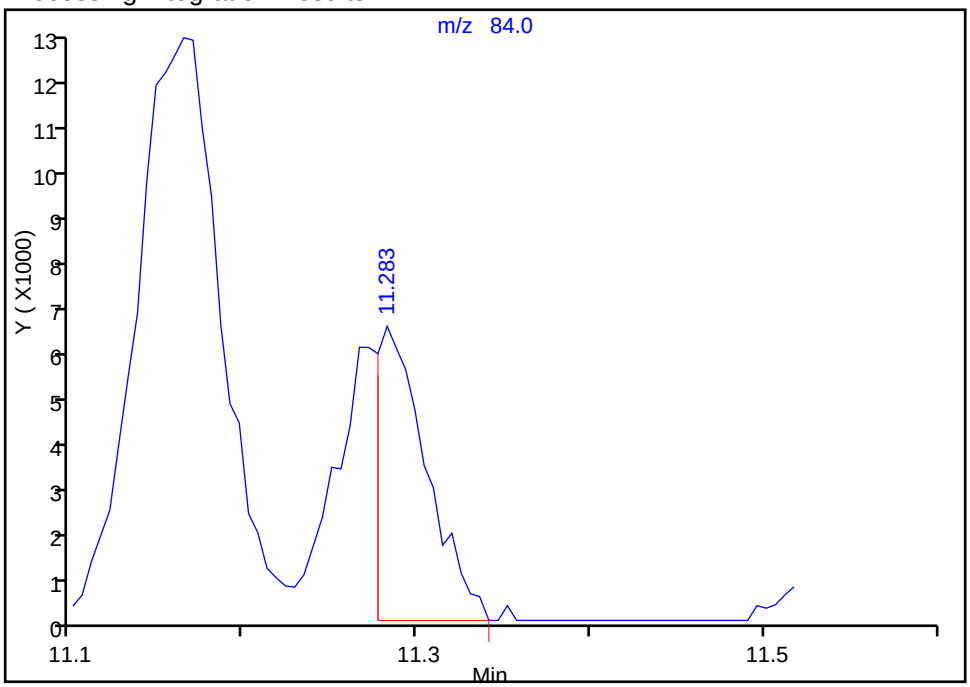
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D				
Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

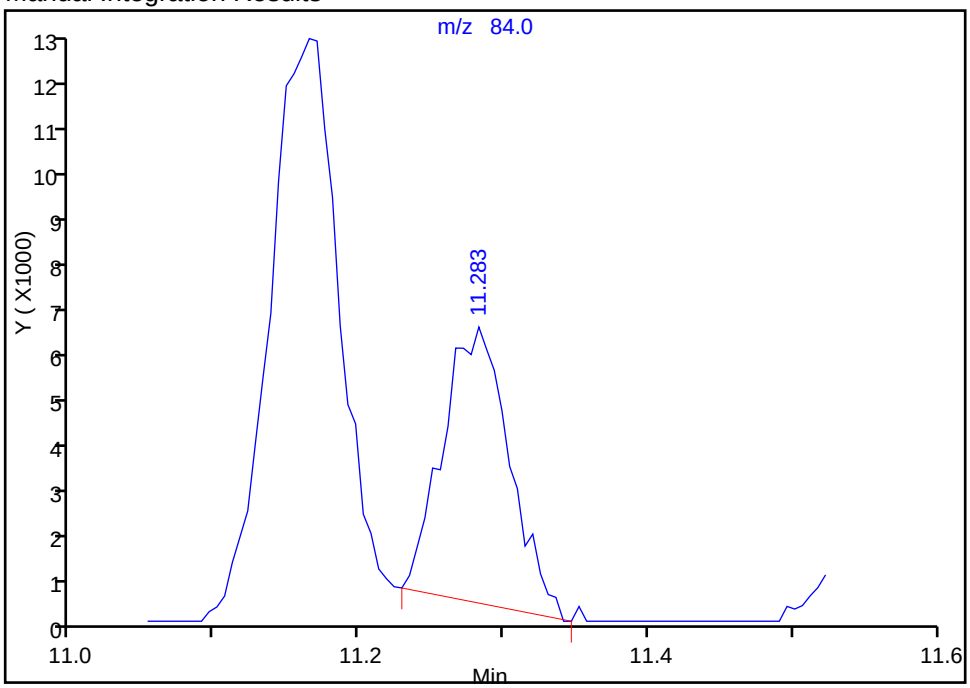
Processing Integration Results

RT: 11.28
Response: 12426
Amount: 0.152784



Manual Integration Results

RT: 11.28
Response: 18637
Amount: 0.229152



Reviewer: desjardinsb, 11-Apr-2014 11:08:44
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

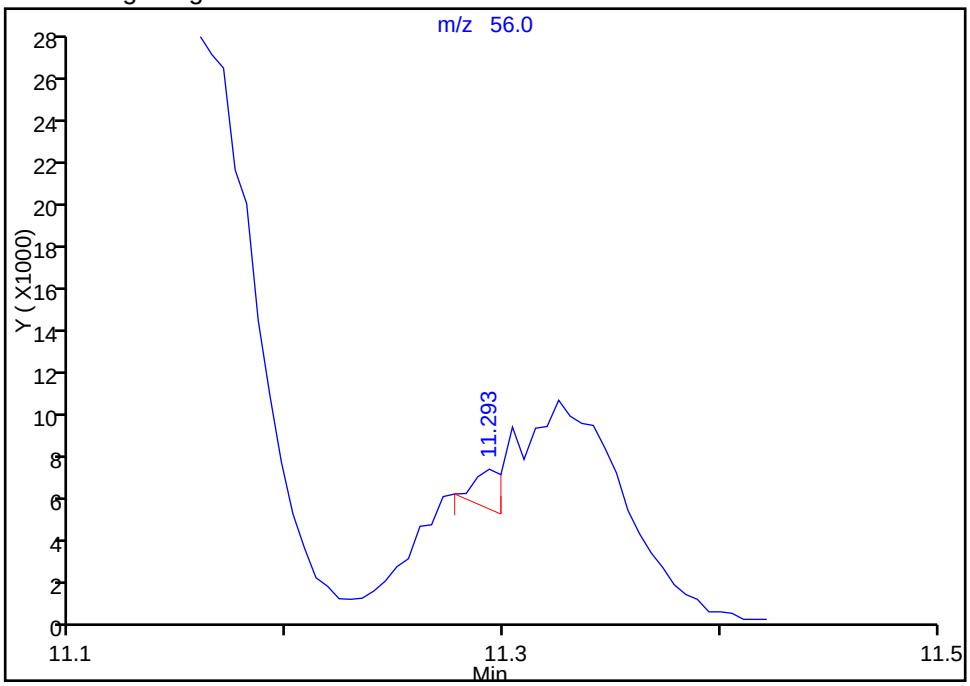
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_16.D				
Injection Date:	11-Apr-2014 02:26:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-8	Lab Sample ID:	200-21727-8		
Client ID:	SDS-7				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

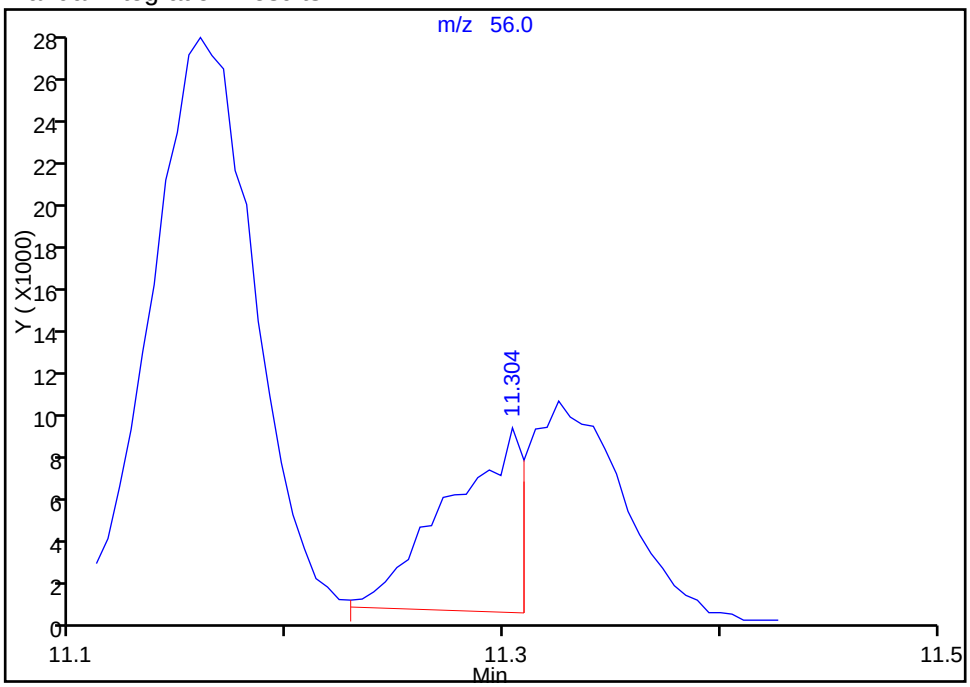
Processing Integration Results

RT: 11.29
Response: 1700
Amount: 0.152784



Manual Integration Results

RT: 11.30
Response: 21385
Amount: 0.229152



Reviewer: desjardinsb, 11-Apr-2014 11:08:44
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-6 Lab Sample ID: 200-21727-9

Matrix: Air Lab File ID: 7002_20.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:40

Sample wt/vol: 500(mL) Date Analyzed: 04/12/2014 04:13

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70660 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.43	J	1.0	0.060
75-45-6	Freon 22	86.47	1.4		1.0	0.096
76-14-2	Freon-114	170.92	0.40	U	0.40	0.070
74-87-3	Chloromethane	50.49	0.49	J	1.0	0.27
106-97-8	n-Butane	58.12	1.2		1.0	0.56
75-01-4	Vinyl chloride	62.50	0.080	U	0.080	0.076
106-99-0	1,3-Butadiene	54.09	0.40	U	0.40	0.084
74-83-9	Bromomethane	94.94	0.40	U	0.40	0.056
75-00-3	Chloroethane	64.52	1.0	U	1.0	0.060
593-60-2	Vinyl bromide	106.96	0.40	U	0.40	0.060
75-69-4	Freon 11	137.37	0.24	J	0.40	0.060
76-13-1	Freon 113	187.38	0.090	J	0.40	0.036
75-35-4	1,1-Dichloroethene	96.94	0.40	U	0.40	0.048
67-64-1	Acetone	58.08	14		10	2.5
67-63-0	Isopropyl alcohol	60.10	540	E	10	0.43
75-15-0	Carbon disulfide	76.14	0.24	J	1.0	0.13
107-05-1	Allyl chloride	76.53	1.0	U	1.0	0.068
75-09-2	Methylene Chloride	84.93	76		1.0	0.25
75-65-0	tert-Butyl alcohol	74.12	10	U	10	0.66
1634-04-4	Methyl tert-butyl ether	88.15	0.40	U	0.40	0.044
156-60-5	trans-1,2-Dichloroethene	96.94	1.3		0.40	0.058
110-54-3	Hexane	86.17	1.7		0.40	0.068
75-34-3	1,1-Dichloroethane	98.96	0.13	J	0.40	0.076
78-93-3	Methyl Ethyl Ketone	72.11	2.0		1.0	0.48
156-59-2	cis-1,2-Dichloroethene	96.94	0.40	U	0.40	0.076
540-59-0	1,2-Dichloroethene, Total	96.94	1.3		0.40	0.13
67-66-3	Chloroform	119.38	0.34	J	0.40	0.050
109-99-9	Tetrahydrofuran	72.11	4.4	J	10	0.092
71-55-6	1,1,1-Trichloroethane	133.41	0.087	J	0.40	0.042
110-82-7	Cyclohexane	84.16	1.8		0.40	0.050
56-23-5	Carbon tetrachloride	153.81	0.058	J	0.080	0.042
540-84-1	2,2,4-Trimethylpentane	114.23	0.073	J	0.40	0.054
71-43-2	Benzene	78.11	0.21	J	0.40	0.038
107-06-2	1,2-Dichloroethane	98.96	0.40	U	0.40	0.034
142-82-5	Heptane	100.21	1.1		0.40	0.092

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-6 Lab Sample ID: 200-21727-9

Matrix: Air Lab File ID: 7002_20.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:40

Sample wt/vol: 500(mL) Date Analyzed: 04/12/2014 04:13

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70660 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.47		0.080	0.048
80-62-6	Methyl methacrylate	100.12	0.11	J	1.0	0.060
78-87-5	1,2-Dichloropropane	112.99	0.40	U	0.40	0.064
123-91-1	1,4-Dioxane	88.11	10	U	10	0.40
75-27-4	Bromodichloromethane	163.83	0.40	U	0.40	0.034
10061-01-5	cis-1,3-Dichloropropene	110.97	0.40	U	0.40	0.056
108-10-1	methyl isobutyl ketone	100.16	0.14	J	1.0	0.054
108-88-3	Toluene	92.14	3.6		0.40	0.034
10061-02-6	trans-1,3-Dichloropropene	110.97	0.40	U	0.40	0.044
79-00-5	1,1,2-Trichloroethane	133.41	0.40	U	0.40	0.034
127-18-4	Tetrachloroethene	165.83	1.7		0.40	0.032
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.0	U	1.0	0.40
124-48-1	Dibromochloromethane	208.29	0.40	U	0.40	0.040
106-93-4	1,2-Dibromoethane	187.87	0.40	U	0.40	0.040
108-90-7	Chlorobenzene	112.56	0.40	U	0.40	0.016
100-41-4	Ethylbenzene	106.17	0.24	J	0.40	0.026
179601-23-1	m,p-Xylene	106.17	0.93	J	1.0	0.046
95-47-6	Xylene, o-	106.17	0.30	J	0.40	0.032
1330-20-7	Xylene (total)	106.17	1.2		0.40	0.068
100-42-5	Styrene	104.15	0.11	J	0.40	0.036
75-25-2	Bromoform	252.75	0.40	U	0.40	0.020
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.40	U	0.40	0.032
103-65-1	n-Propylbenzene	120.19	0.40	U	0.40	0.16
622-96-8	4-Ethyltoluene	120.20	0.22	J	0.40	0.036
108-67-8	1,3,5-Trimethylbenzene	120.20	0.16	J	0.40	0.024
95-49-8	2-Chlorotoluene	126.59	0.40	U	0.40	0.026
98-06-6	tert-Butylbenzene	134.22	0.40	U	0.40	0.034
95-63-6	1,2,4-Trimethylbenzene	120.20	0.35	J	0.40	0.028
135-98-8	sec-Butylbenzene	134.22	0.40	U	0.40	0.16
99-87-6	4-Isopropyltoluene	134.22	0.40	U	0.40	0.16
541-73-1	1,3-Dichlorobenzene	147.00	0.40	U	0.40	0.028
106-46-7	1,4-Dichlorobenzene	147.00	0.40	U	0.40	0.028
100-44-7	Benzyl chloride	126.58	0.40	U	0.40	0.16
104-51-8	n-Butylbenzene	134.22	0.40	U	0.40	0.16

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-6 Lab Sample ID: 200-21727-9

Matrix: Air Lab File ID: 7002_20.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:40

Sample wt/vol: 500(mL) Date Analyzed: 04/12/2014 04:13

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70660 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.40	U	0.40	0.028
120-82-1	1,2,4-Trichlorobenzene	181.45	1.0	U	1.0	0.054
87-68-3	Hexachloro-1,3-butadiene	260.76	0.40	U	0.40	0.044
91-20-3	Naphthalene	128.17	1.0	U	1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-6 Lab Sample ID: 200-21727-9

Matrix: Air Lab File ID: 7002_20.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:40

Sample wt/vol: 500(mL) Date Analyzed: 04/12/2014 04:13

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70660 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.1	J	4.9	0.30
75-45-6	Freon 22	86.47	5.0		3.5	0.34
76-14-2	Freon-114	170.92	2.8	U	2.8	0.49
74-87-3	Chloromethane	50.49	1.0	J	2.1	0.56
106-97-8	n-Butane	58.12	2.8		2.4	1.3
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.19
106-99-0	1,3-Butadiene	54.09	0.88	U	0.88	0.19
74-83-9	Bromomethane	94.94	1.6	U	1.6	0.22
75-00-3	Chloroethane	64.52	2.6	U	2.6	0.16
593-60-2	Vinyl bromide	106.96	1.7	U	1.7	0.26
75-69-4	Freon 11	137.37	1.3	J	2.2	0.34
76-13-1	Freon 113	187.38	0.69	J	3.1	0.28
75-35-4	1,1-Dichloroethene	96.94	1.6	U	1.6	0.19
67-64-1	Acetone	58.08	32		24	5.9
67-63-0	Isopropyl alcohol	60.10	1300	E	25	1.1
75-15-0	Carbon disulfide	76.14	0.74	J	3.1	0.41
107-05-1	Allyl chloride	76.53	3.1	U	3.1	0.21
75-09-2	Methylene Chloride	84.93	260		3.5	0.87
75-65-0	tert-Butyl alcohol	74.12	30	U	30	2.0
1634-04-4	Methyl tert-butyl ether	88.15	1.4	U	1.4	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	5.3		1.6	0.23
110-54-3	Hexane	86.17	6.1		1.4	0.24
75-34-3	1,1-Dichloroethane	98.96	0.54	J	1.6	0.31
78-93-3	Methyl Ethyl Ketone	72.11	5.9		2.9	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	1.6	U	1.6	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	5.2		1.6	0.51
67-66-3	Chloroform	119.38	1.6	J	2.0	0.24
109-99-9	Tetrahydrofuran	72.11	13	J	29	0.27
71-55-6	1,1,1-Trichloroethane	133.41	0.48	J	2.2	0.23
110-82-7	Cyclohexane	84.16	6.0		1.4	0.17
56-23-5	Carbon tetrachloride	153.81	0.36	J	0.50	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	0.34	J	1.9	0.25
71-43-2	Benzene	78.11	0.67	J	1.3	0.12
107-06-2	1,2-Dichloroethane	98.96	1.6	U	1.6	0.14
142-82-5	Heptane	100.21	4.4		1.6	0.38

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-6 Lab Sample ID: 200-21727-9

Matrix: Air Lab File ID: 7002_20.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:40

Sample wt/vol: 500(mL) Date Analyzed: 04/12/2014 04:13

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70660 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.5		0.43	0.26
80-62-6	Methyl methacrylate	100.12	0.45	J	4.1	0.25
78-87-5	1,2-Dichloropropane	112.99	1.8	U	1.8	0.30
123-91-1	1,4-Dioxane	88.11	36	U	36	1.4
75-27-4	Bromodichloromethane	163.83	2.7	U	2.7	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	1.8	U	1.8	0.25
108-10-1	methyl isobutyl ketone	100.16	0.58	J	4.1	0.22
108-88-3	Toluene	92.14	14		1.5	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	1.8	U	1.8	0.20
79-00-5	1,1,2-Trichloroethane	133.41	2.2	U	2.2	0.19
127-18-4	Tetrachloroethene	165.83	12		2.7	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.1	U	4.1	1.6
124-48-1	Dibromochloromethane	208.29	3.4	U	3.4	0.34
106-93-4	1,2-Dibromoethane	187.87	3.1	U	3.1	0.31
108-90-7	Chlorobenzene	112.56	1.8	U	1.8	0.075
100-41-4	Ethylbenzene	106.17	1.1	J	1.7	0.11
179601-23-1	m,p-Xylene	106.17	4.1	J	4.3	0.20
95-47-6	Xylene, o-	106.17	1.3	J	1.7	0.14
1330-20-7	Xylene (total)	106.17	5.3		1.7	0.30
100-42-5	Styrene	104.15	0.49	J	1.7	0.15
75-25-2	Bromoform	252.75	4.1	U	4.1	0.21
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.7	U	2.7	0.22
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.79
622-96-8	4-Ethyltoluene	120.20	1.1	J	2.0	0.18
108-67-8	1,3,5-Trimethylbenzene	120.20	0.81	J	2.0	0.12
95-49-8	2-Chlorotoluene	126.59	2.1	U	2.1	0.13
98-06-6	tert-Butylbenzene	134.22	2.2	U	2.2	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	1.7	J	2.0	0.14
135-98-8	sec-Butylbenzene	134.22	2.2	U	2.2	0.88
99-87-6	4-Isopropyltoluene	134.22	2.2	U	2.2	0.88
541-73-1	1,3-Dichlorobenzene	147.00	2.4	U	2.4	0.17
106-46-7	1,4-Dichlorobenzene	147.00	2.4	U	2.4	0.17
100-44-7	Benzyl chloride	126.58	2.1	U	2.1	0.83
104-51-8	n-Butylbenzene	134.22	2.2	U	2.2	0.88

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-6 Lab Sample ID: 200-21727-9

Matrix: Air Lab File ID: 7002_20.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:40

Sample wt/vol: 500(mL) Date Analyzed: 04/12/2014 04:13

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70660 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	2.4	U	2.4	0.17
120-82-1	1,2,4-Trichlorobenzene	181.45	7.4	U	7.4	0.40
87-68-3	Hexachloro-1,3-butadiene	260.76	4.3	U	4.3	0.47
91-20-3	Naphthalene	128.17	5.2	U	5.2	2.1

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D
Lims ID: 200-21727-A-9 Lab Sample ID: 200-21727-9
Client ID: SDS-6
Sample Type: Client
Inject. Date: 12-Apr-2014 04:13:30 ALS Bottle#: 4 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Sample Info: 200-0007002-020
Misc. Info.: 21727-9
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 14-Apr-2014 08:29:59 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: desjardinsb Date: 14-Apr-2014 08:29:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.256	3.250	0.006	97	32285	0.2154	
6 Chlorodifluoromethane	51	3.315	3.309	0.006	95	35820	0.7110	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.539					
8 Chloromethane	50	3.694	3.693	0.001	83	6104	0.2463	
9 Butane	43	3.912	3.907	0.005	87	23532	0.5944	
10 Vinyl chloride	62		3.960					
11 Butadiene	54		4.046					
12 Bromomethane	94		4.782					
13 Chloroethane	64		5.044					
15 Vinyl bromide	106		5.455					
16 Trichlorofluoromethane	101	5.572	5.561	0.011	81	22129	0.1192	
23 1,1,2-Trichloro-1,2,2-trif	101	6.704	6.703	0.001	55	5054	0.0451	
24 1,1-Dichloroethene	96		6.751					
25 Acetone	43	7.034	7.029	0.005	88	293568	6.80	
26 Carbon disulfide	76	7.136	7.136	0.000	86	12630	0.1185	
27 Isopropyl alcohol	45	7.371	7.349	0.022	98	8634199	272.3	E
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.888	7.888	0.000	76	1178719	37.8	
32 2-Methyl-2-propanol	59		8.150					
33 Methyl tert-butyl ether	73		8.304					
34 trans-1,2-Dichloroethene	61	8.337	8.336	0.001	82	34550	0.6646	
36 Hexane	57	8.732	8.731	0.001	86	43122	0.8704	
37 1,1-Dichloroethane	63	9.260	9.254	0.006	51	4934	0.0665	
S 41 1,2-Dichloroethene, Total	61				0		0.6646	
39 cis-1,2-Dichloroethene	96		10.418					
40 2-Butanone (MEK)	72	10.498	10.493	0.005	99	24450	1.00	
* 43 Chlorobromomethane	128	10.904	10.909	-0.005	65	581815	10.0	
44 Tetrahydrofuran	42	10.925	10.920	0.005	77	71818	2.22	
45 Chloroform	83	11.037	11.048	-0.011	90	23042	0.1687	
46 Cyclohexane	84	11.277	11.277	0.000	87	73102	0.8769	
47 1,1,1-Trichloroethane	97	11.320	11.325	-0.005	23	7799	0.0436	M

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	48 Carbon tetrachloride	117	11.571	11.581	-0.010	48	6270	0.0288	
	51 Isooctane	57	12.019	12.035	-0.016	49	8329	0.0367	
	50 Benzene	78	12.073	12.078	-0.006	78	19951	0.1045	
	52 1,2-Dichloroethane	62		12.286					
	53 n-Heptane	43	12.441	12.446	-0.005	74	40242	0.5418	
*	54 1,4-Difluorobenzene	114	12.969	12.974	-0.005	91	3217041	10.0	
	56 Trichloroethene	95	13.455	13.460	-0.005	83	27675	0.2360	
	58 1,2-Dichloropropane	63		14.058					
	59 Methyl methacrylate	69	14.229	14.239	-0.010	16	3816	0.0552	
	60 1,4-Dioxane	88		14.303					
	62 Dichlorobromomethane	83		14.629					
	64 cis-1,3-Dichloropropene	75		15.584					
	65 4-Methyl-2-pentanone (MIBK	43	15.888	15.894	-0.006	83	7573	0.0709	
	66 Toluene	92	16.182	16.182	0.000	94	333077	1.82	
	70 trans-1,3-Dichloropropene	75		16.795					
	71 1,1,2-Trichloroethane	83		17.180					
	72 Tetrachloroethene	166	17.265	17.265	0.000	93	204133	0.8633	
	73 2-Hexanone	43		17.639					
	74 Chlorodibromomethane	129		17.943					
	75 Ethylene Dibromide	107		18.220					
*	76 Chlorobenzene-d5	117	19.112	19.117	-0.005	80	3220509	10.0	
	77 Chlorobenzene	112		19.176					
	78 Ethylbenzene	91	19.325	19.325	0.000	91	52443	0.1211	
	81 m-Xylene & p-Xylene	106	19.571	19.576	-0.005	98	87180	0.4666	
S	82 Xylenes, Total	106				0		0.6175	
	83 o-Xylene	106	20.387	20.387	0.000	88	27561	0.1509	
	84 Styrene	104	20.430	20.435	-0.005	56	16083	0.0570	
	85 Bromoform	173		20.835					
$	87 4-Bromofluorobenzene	95	21.369	21.375	-0.005	95	2015441	NC	
	88 1,1,2,2-Tetrachloroethane	83		21.641					
	90 N-Propylbenzene	91	21.700	21.705	-0.005	96	40515	0.0682	
	91 4-Ethyltoluene	105	21.876	21.882	-0.006	93	59549	0.1093	
	92 2-Chlorotoluene	91		21.898					
	94 1,3,5-Trimethylbenzene	105	21.983	21.983	0.000	84	39689	0.0823	
	96 tert-Butylbenzene	119		22.458					
	97 1,2,4-Trimethylbenzene	105	22.544	22.549	-0.005	94	87204	0.1775	
	98 sec-Butylbenzene	105		22.767					
	99 4-Isopropyltoluene	119	22.960	22.965	-0.005	84	41664	0.0665	
	100 1,3-Dichlorobenzene	146		23.002					
	101 1,4-Dichlorobenzene	146		23.141					
	102 Benzyl chloride	91		23.349					
	103 n-Butylbenzene	91		23.552					
	105 1,2-Dichlorobenzene	146		23.696					
	107 1,2,4-Trichlorobenzene	180		26.322					
	108 Hexachlorobutadiene	225		26.509					
	109 Naphthalene	128		26.845					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

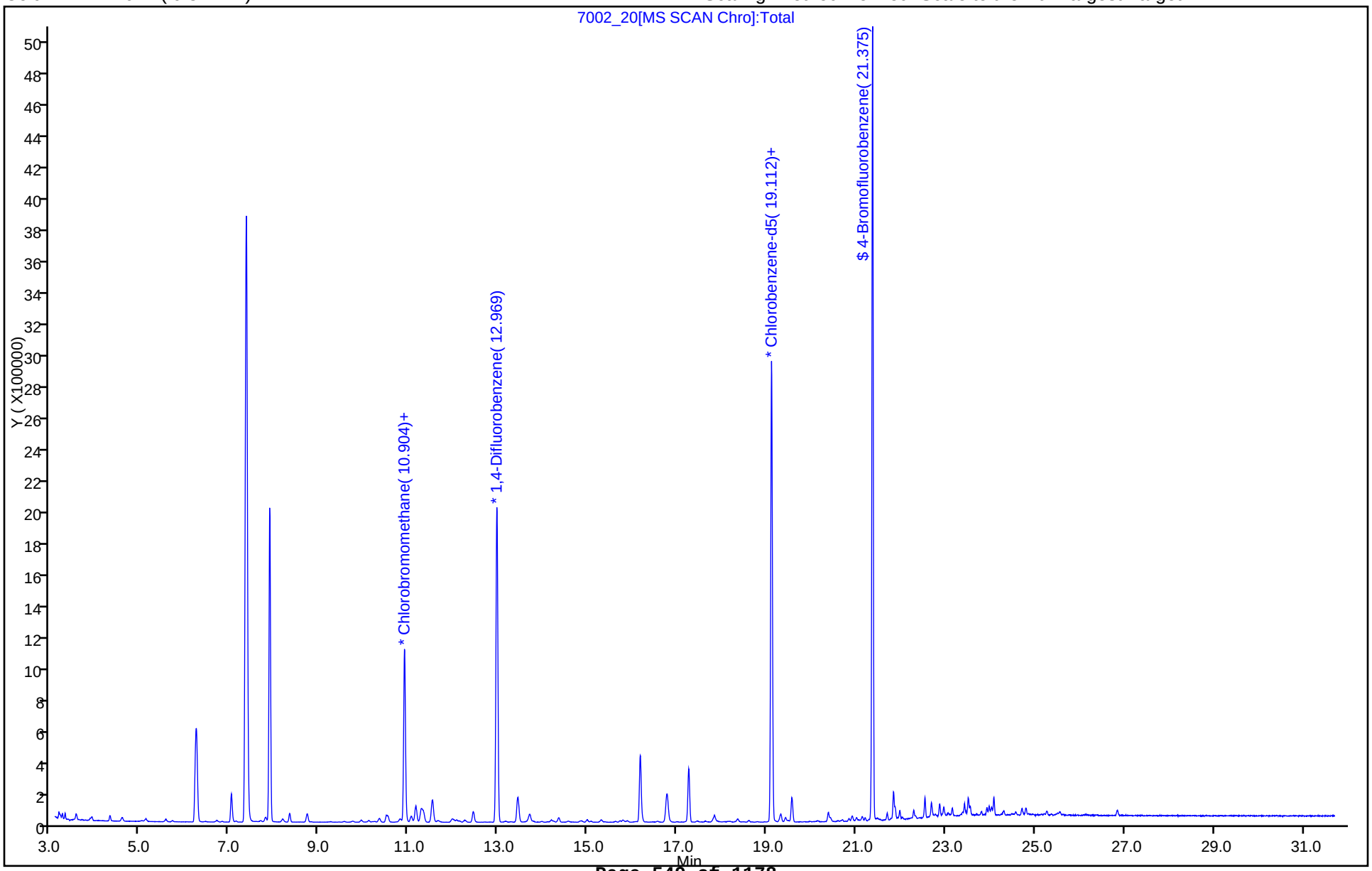
Report Date: 14-Apr-2014 08:30:00 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D

Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9	Worklist Smp#:	20
Client ID:	SDS-6				
Purge Vol:	200.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



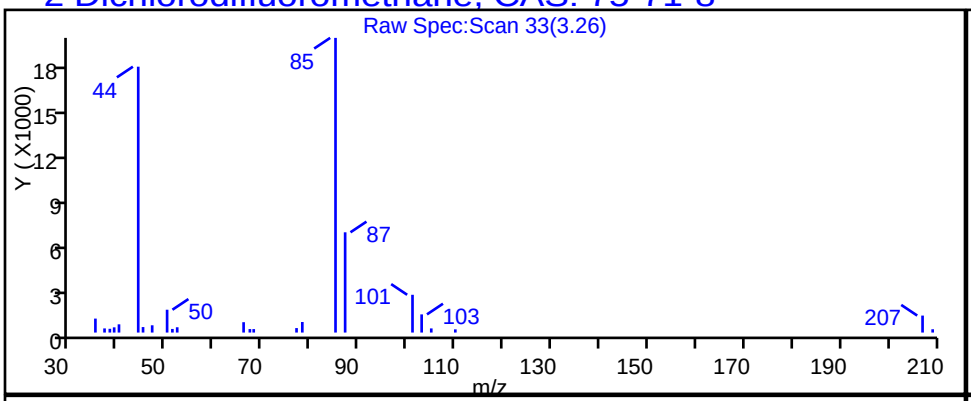
Report Date: 14-Apr-2014 08:30:00 Chrom Revision: 2.2 10-Apr-2014 15:11:30

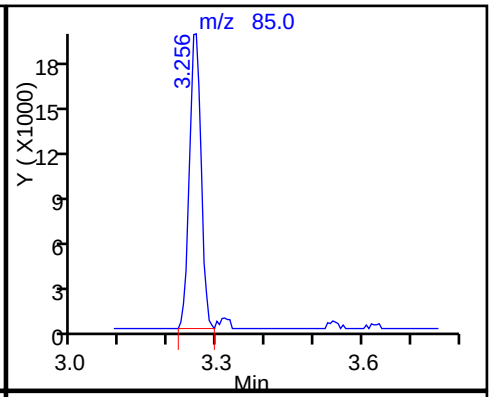
TestAmerica Burlington

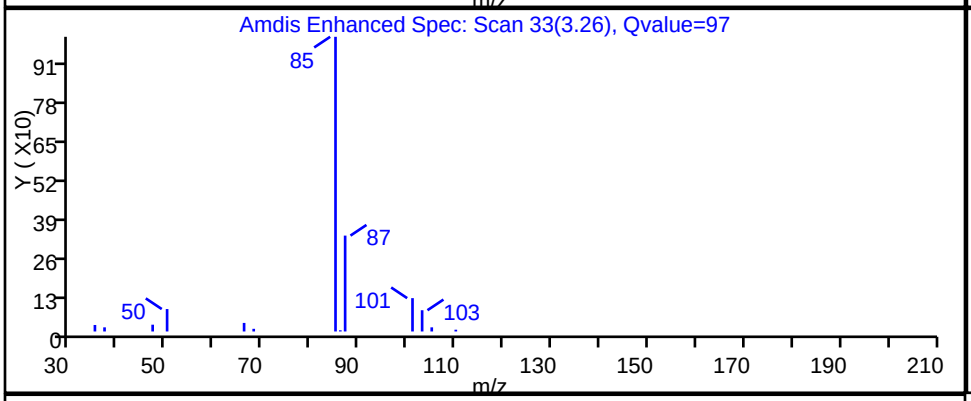
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D

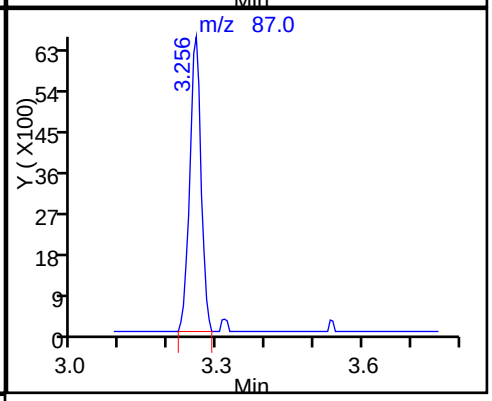
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

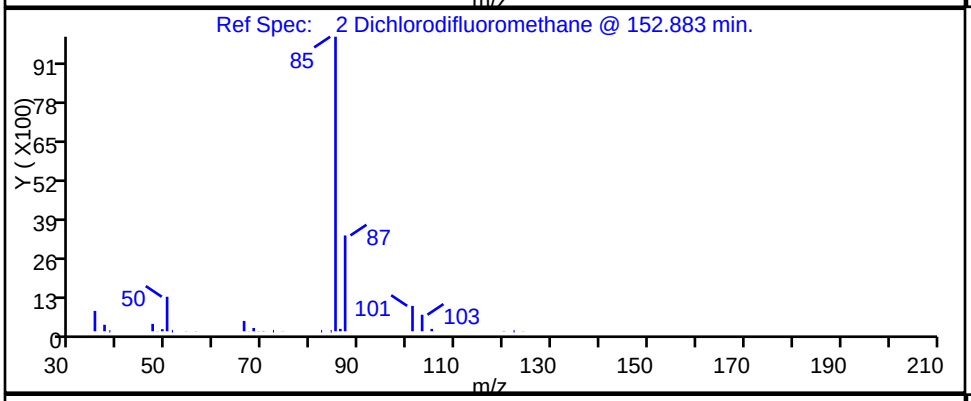
2 Dichlorodifluoromethane, CAS: 75-71-8

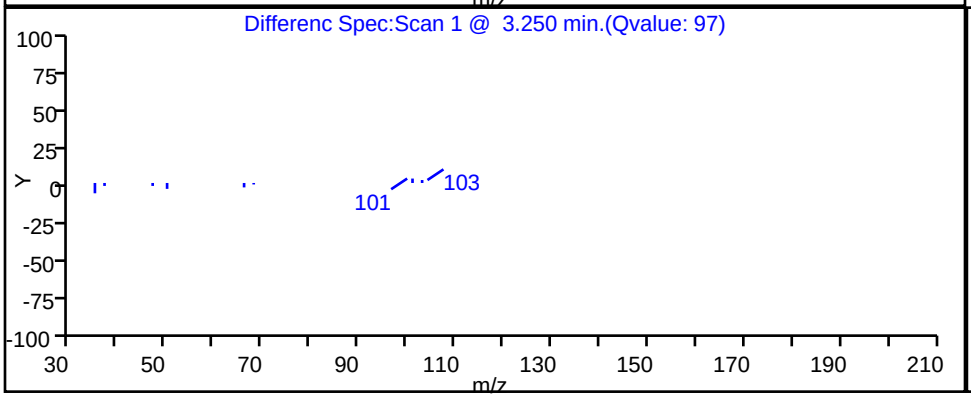


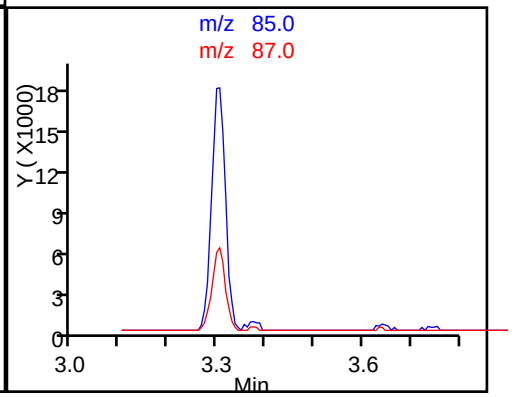












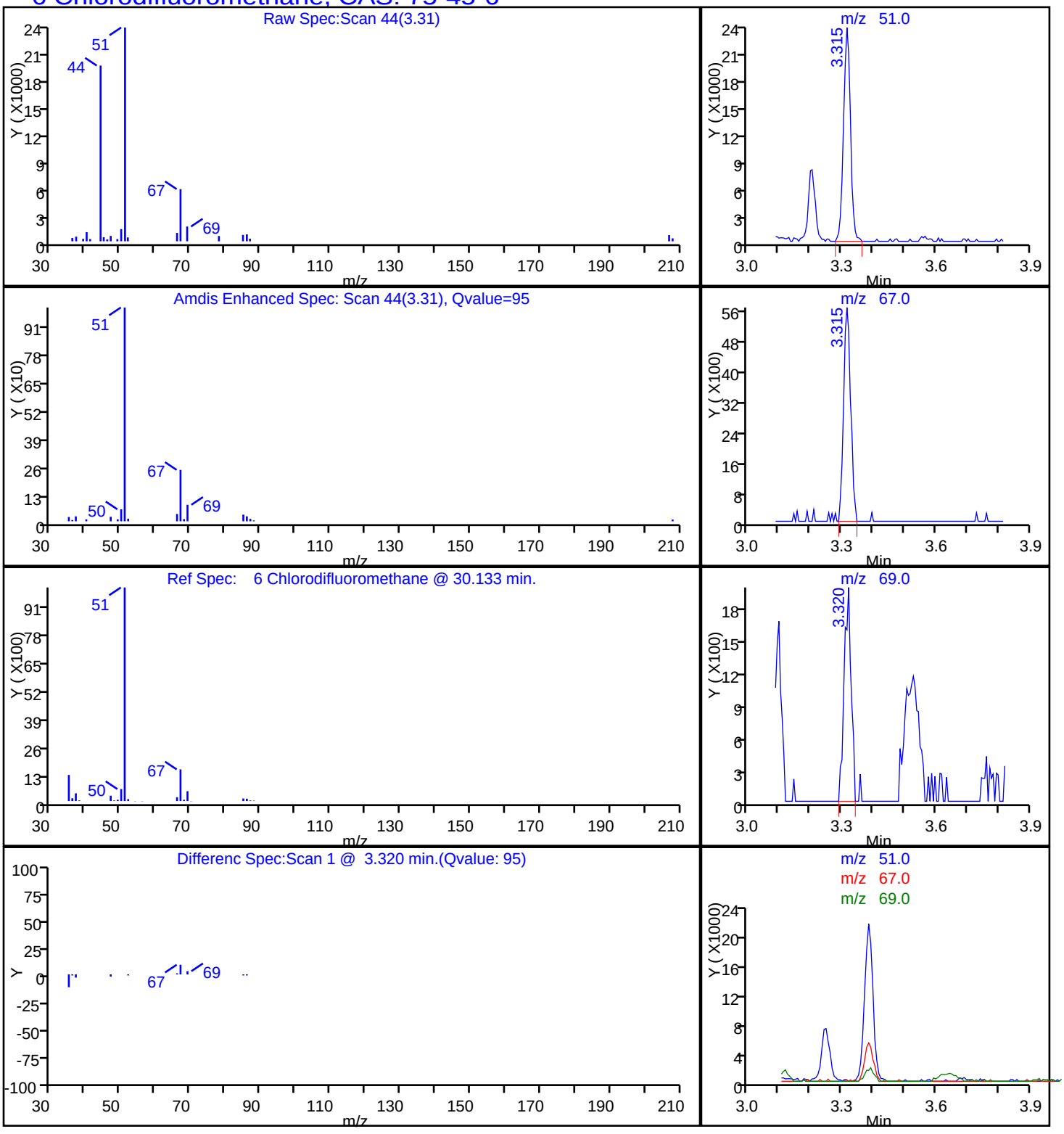
Report Date: 14-Apr-2014 08:30:00 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D

Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



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TestAmerica Burlington

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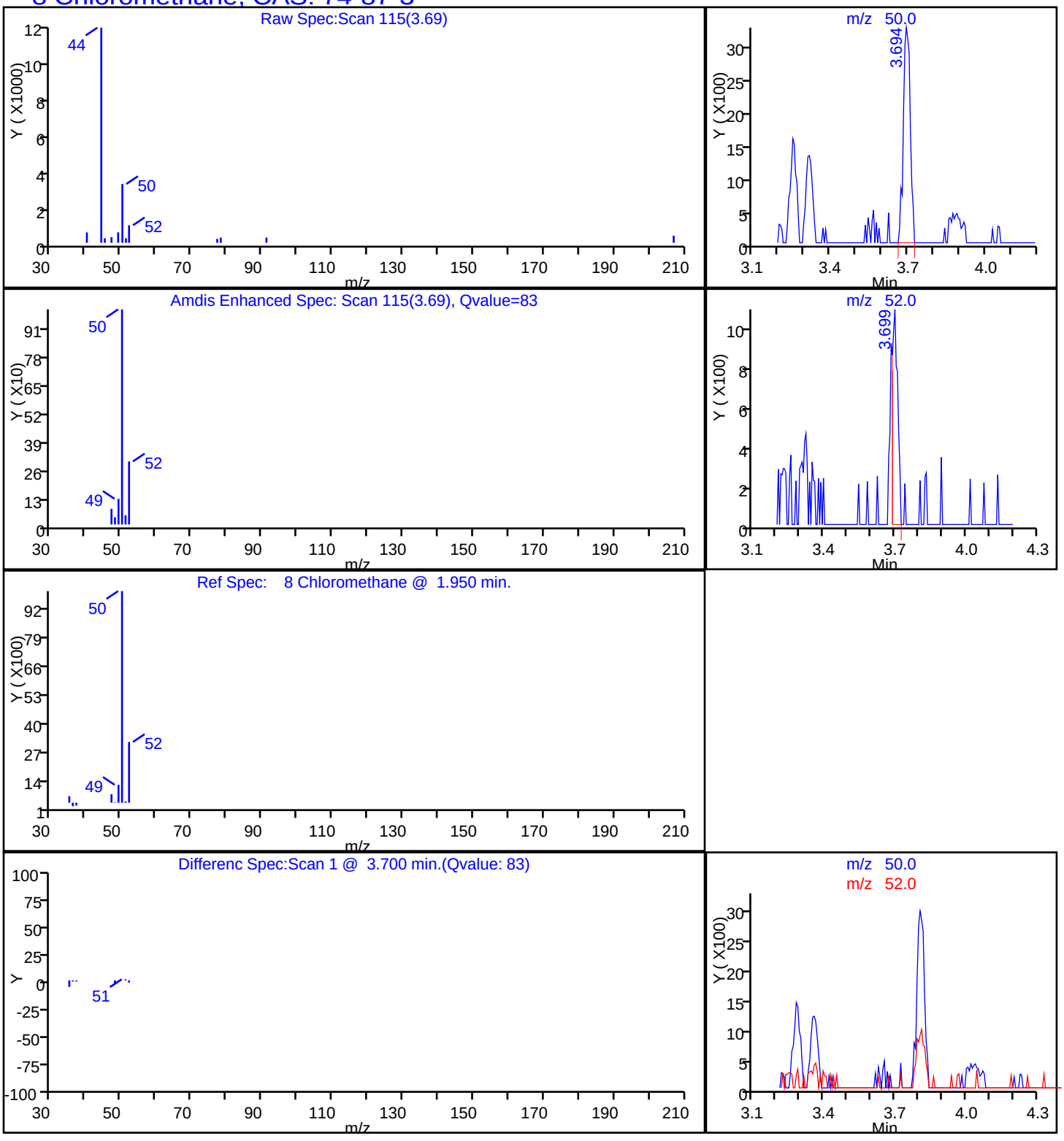
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3



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TestAmerica Burlington

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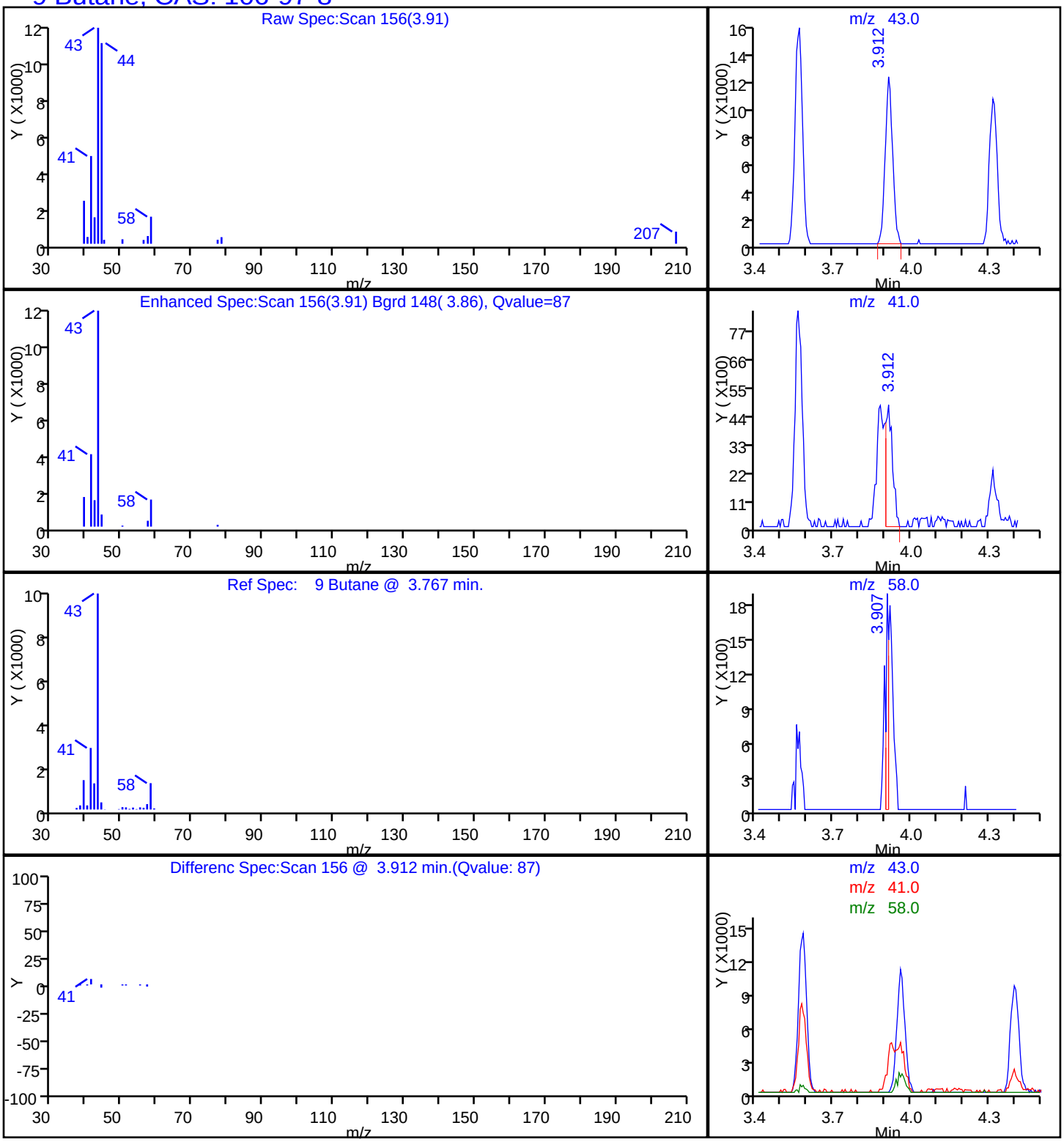
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



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TestAmerica Burlington

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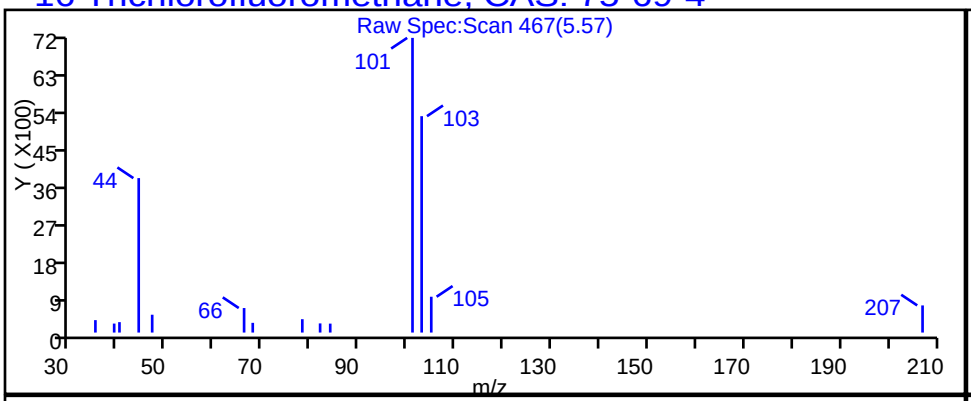
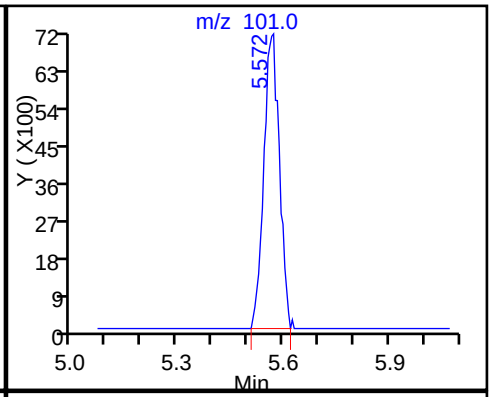
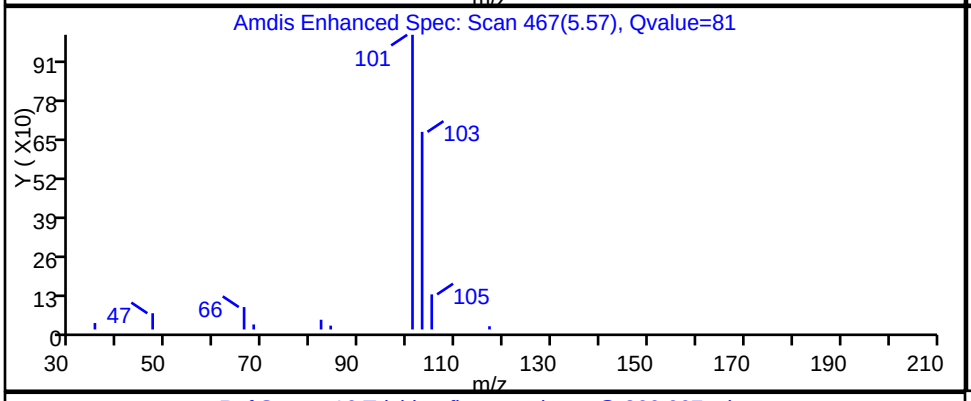
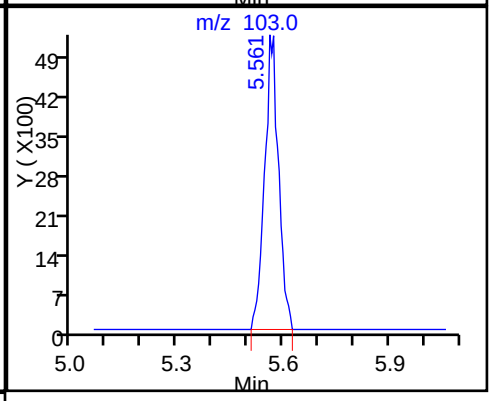
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

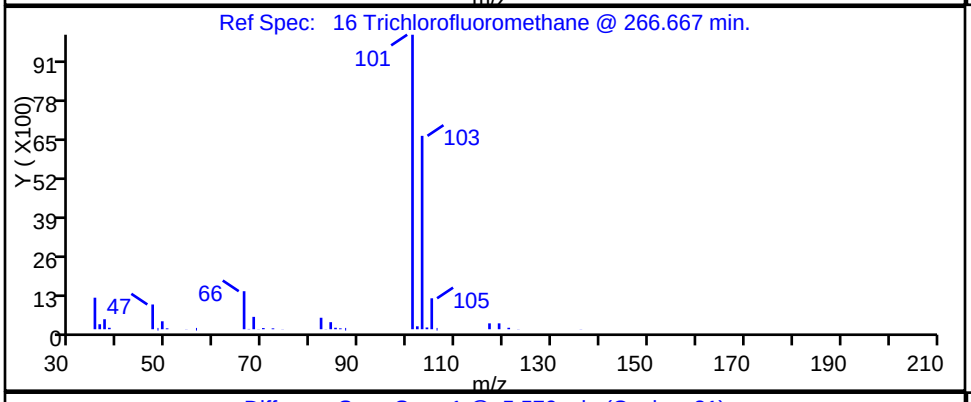
16 Trichlorofluoromethane, CAS: 75-69-4

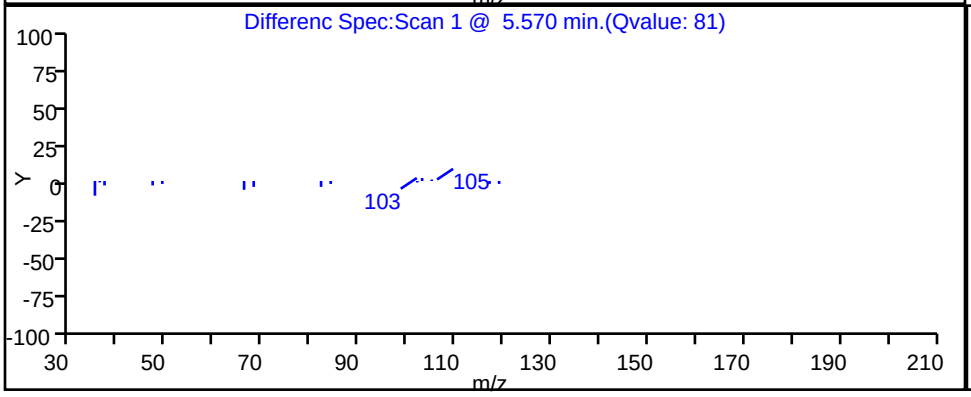


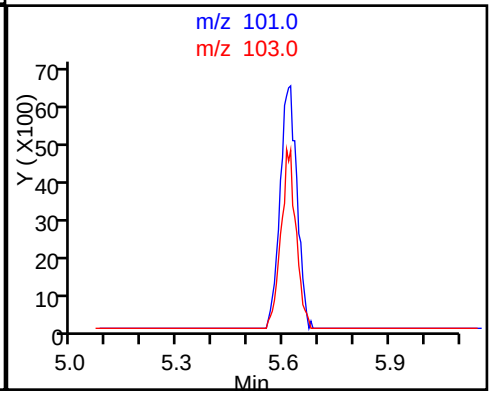












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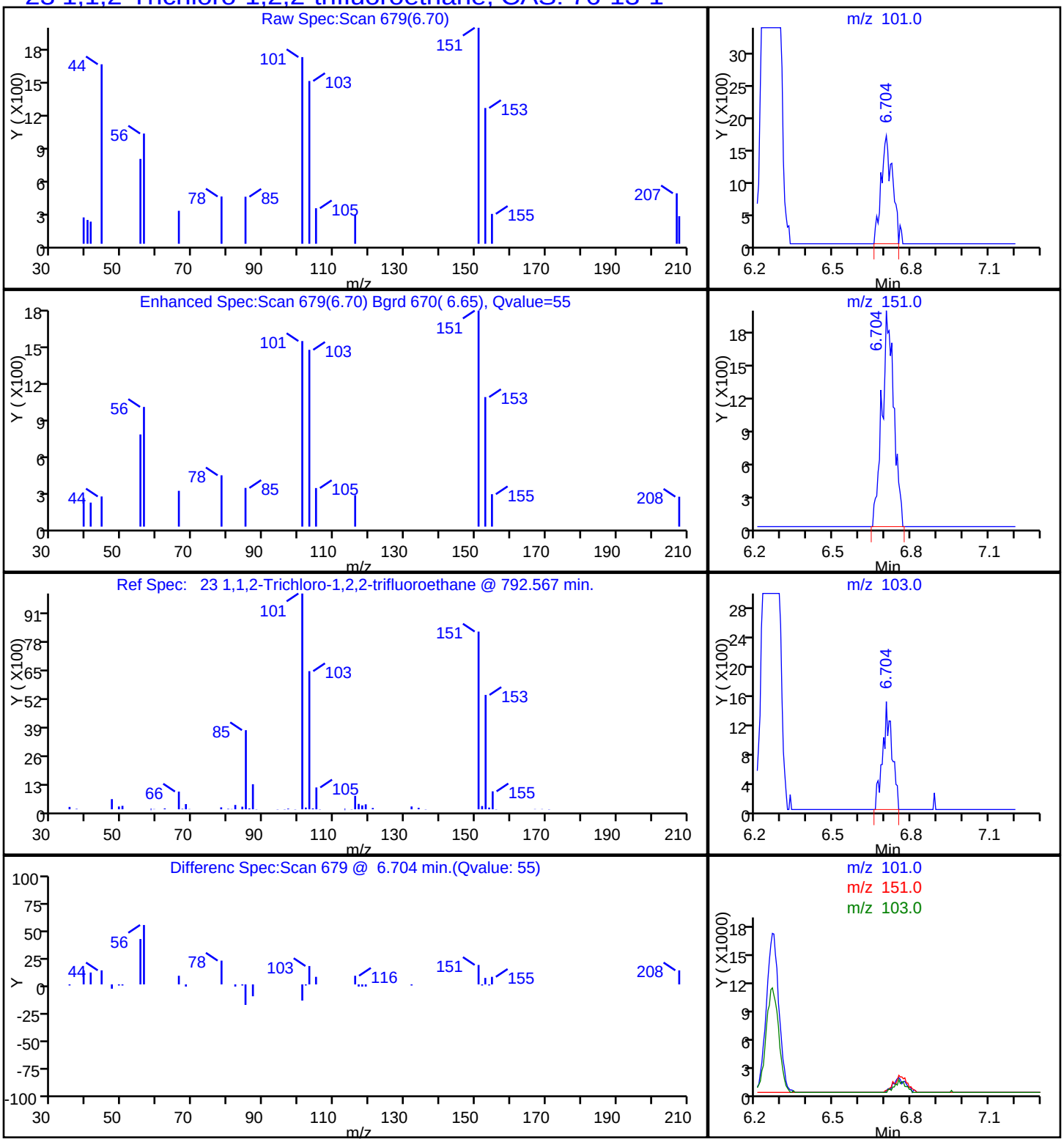
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D				
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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TestAmerica Burlington

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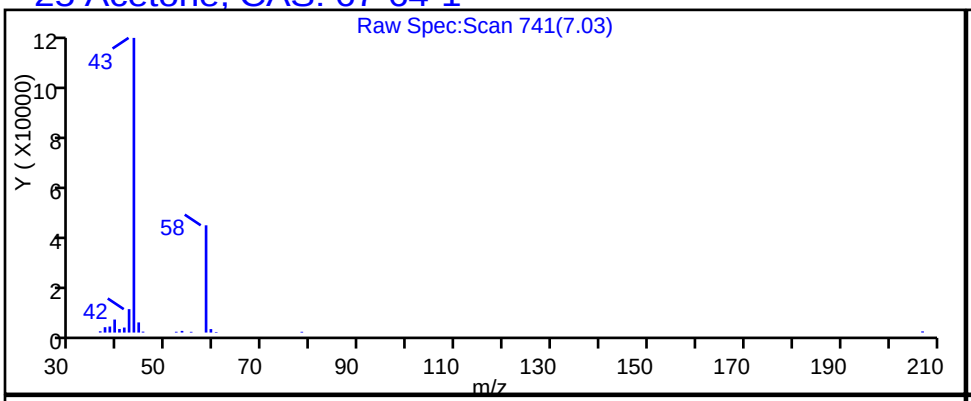
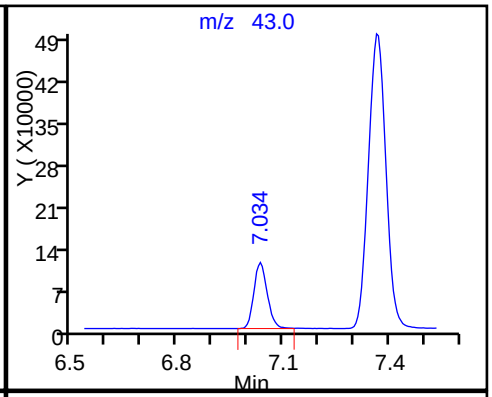
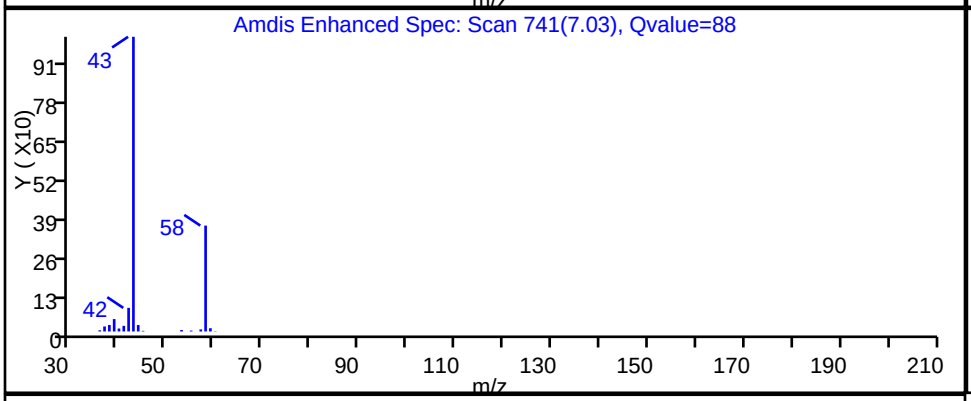
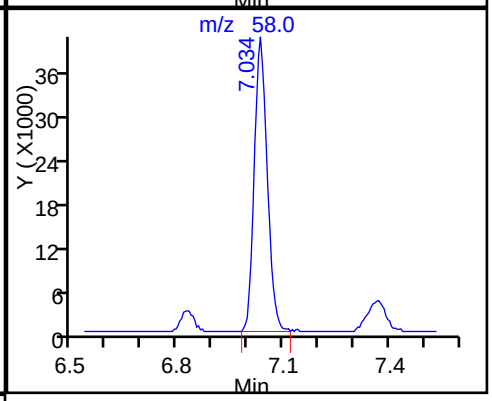
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

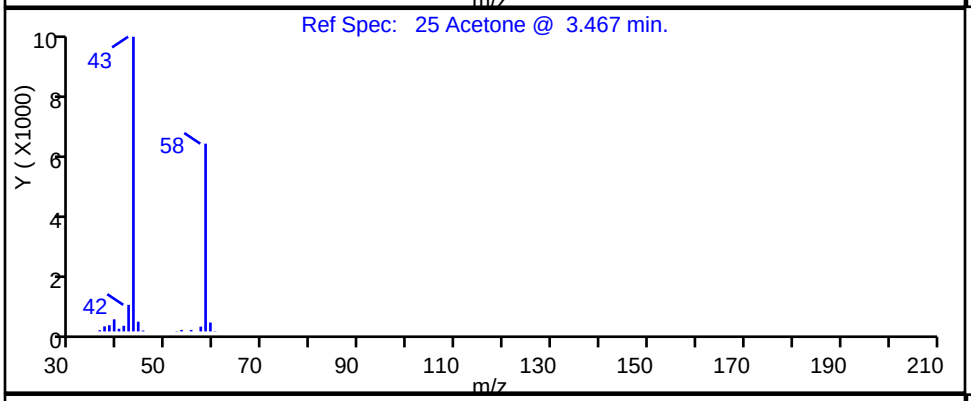
25 Acetone, CAS: 67-64-1

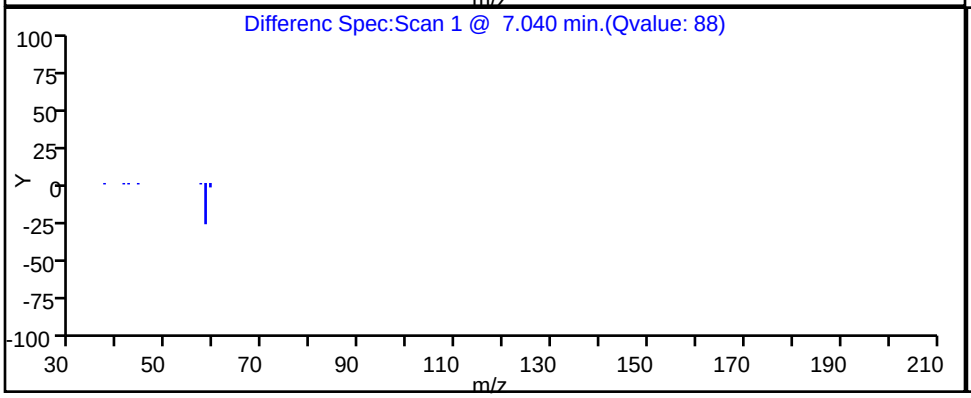


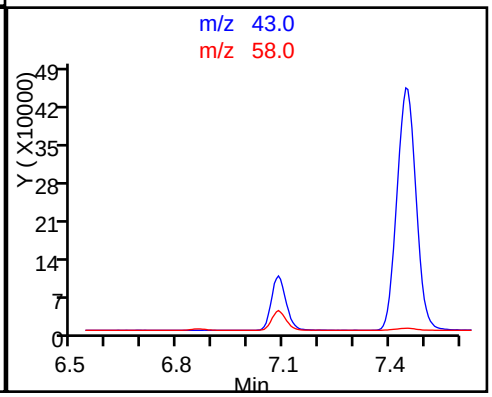












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TestAmerica Burlington

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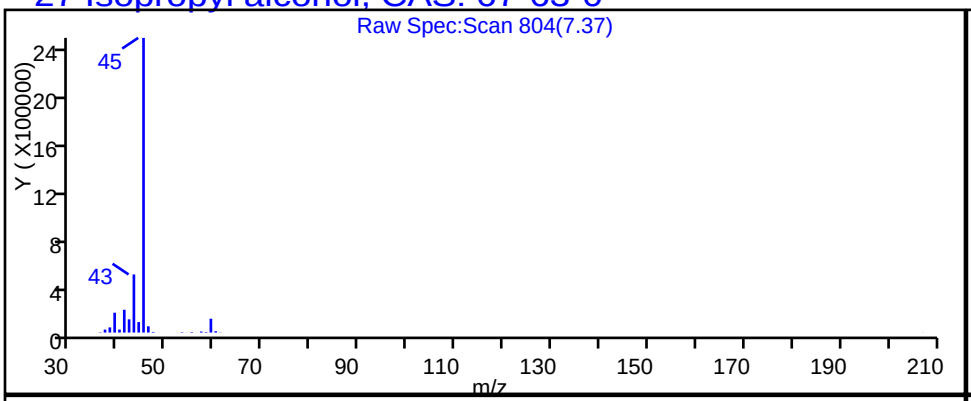
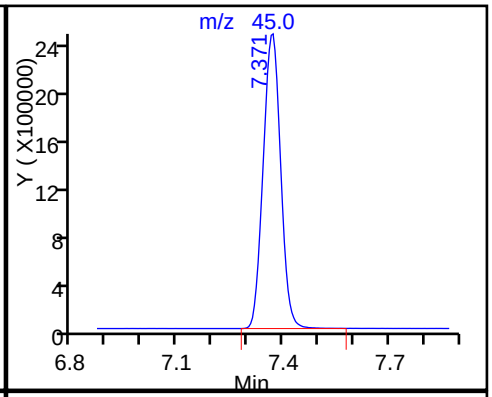
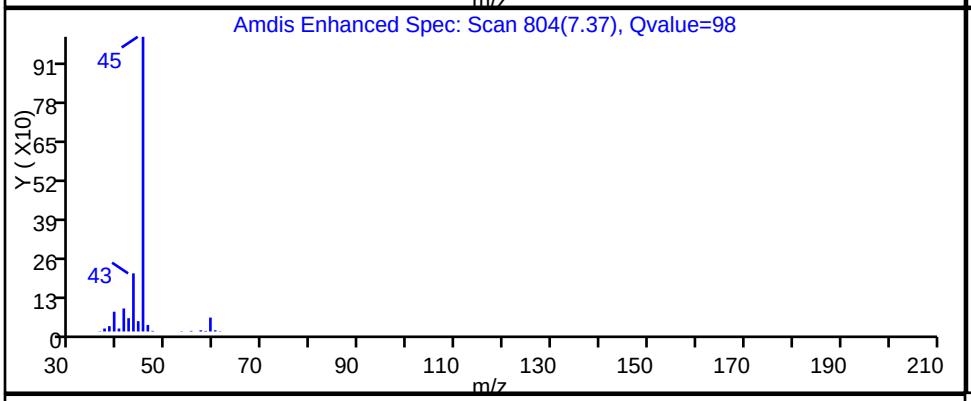
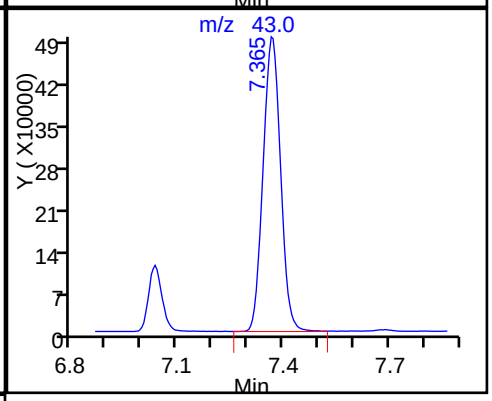
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

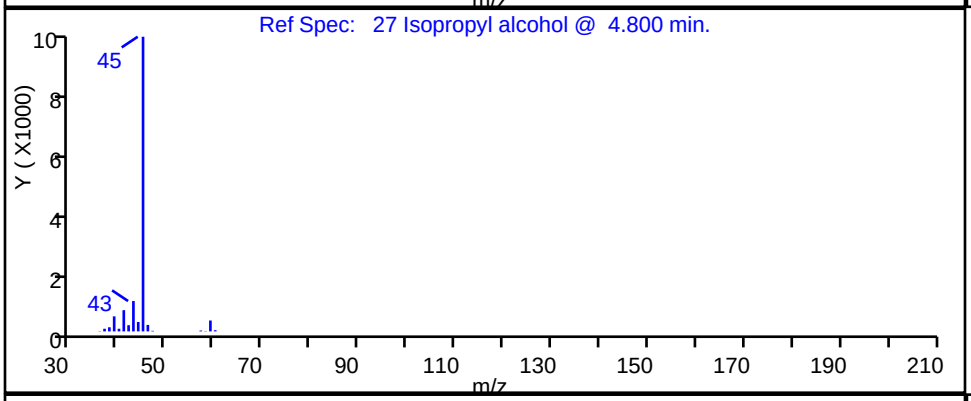
27 Isopropyl alcohol, CAS: 67-63-0

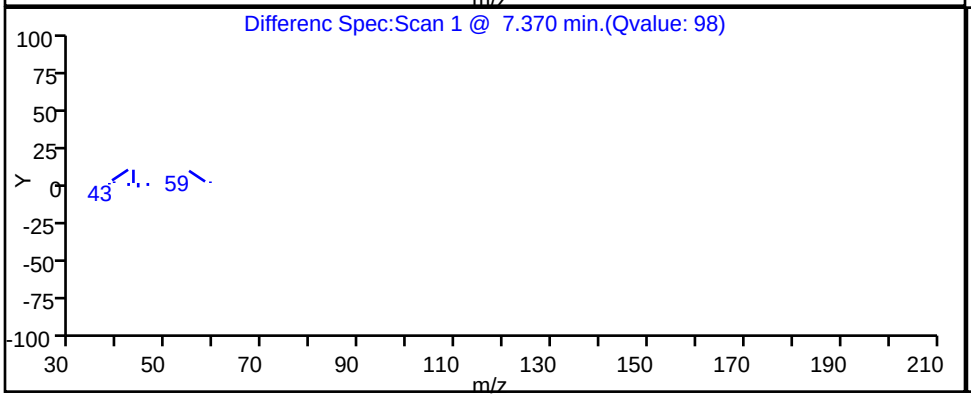


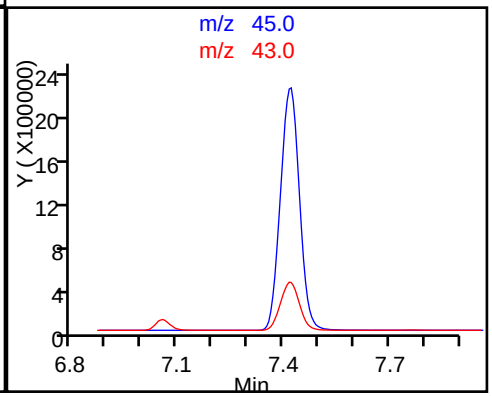












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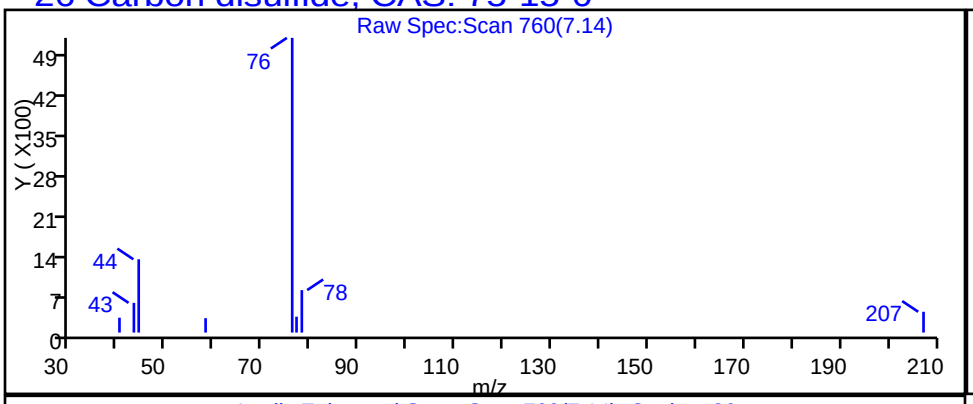
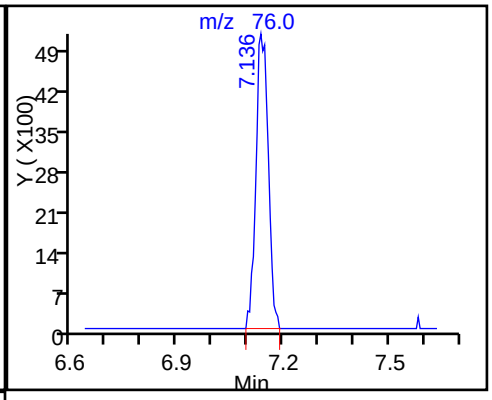
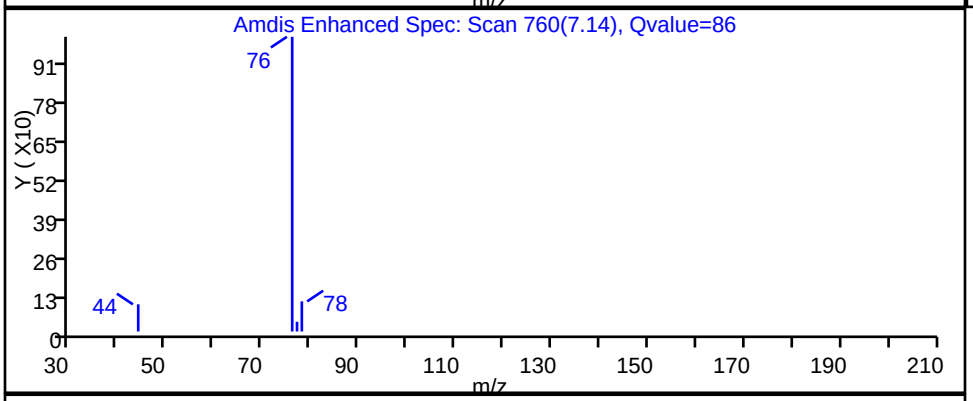
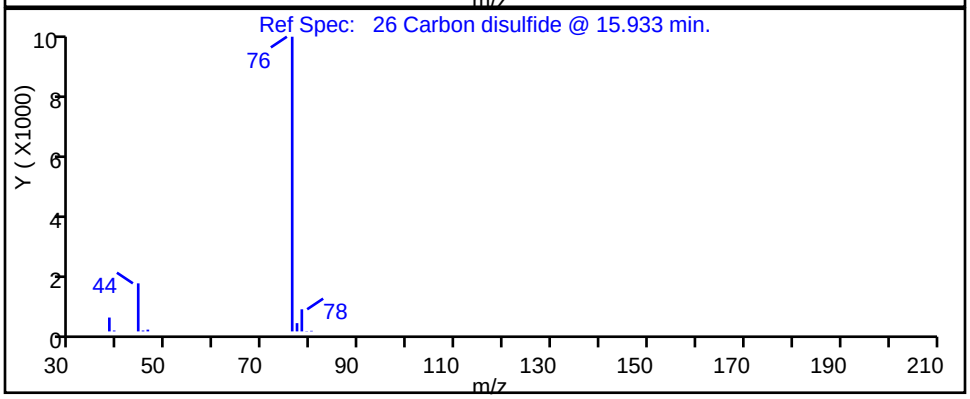
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0









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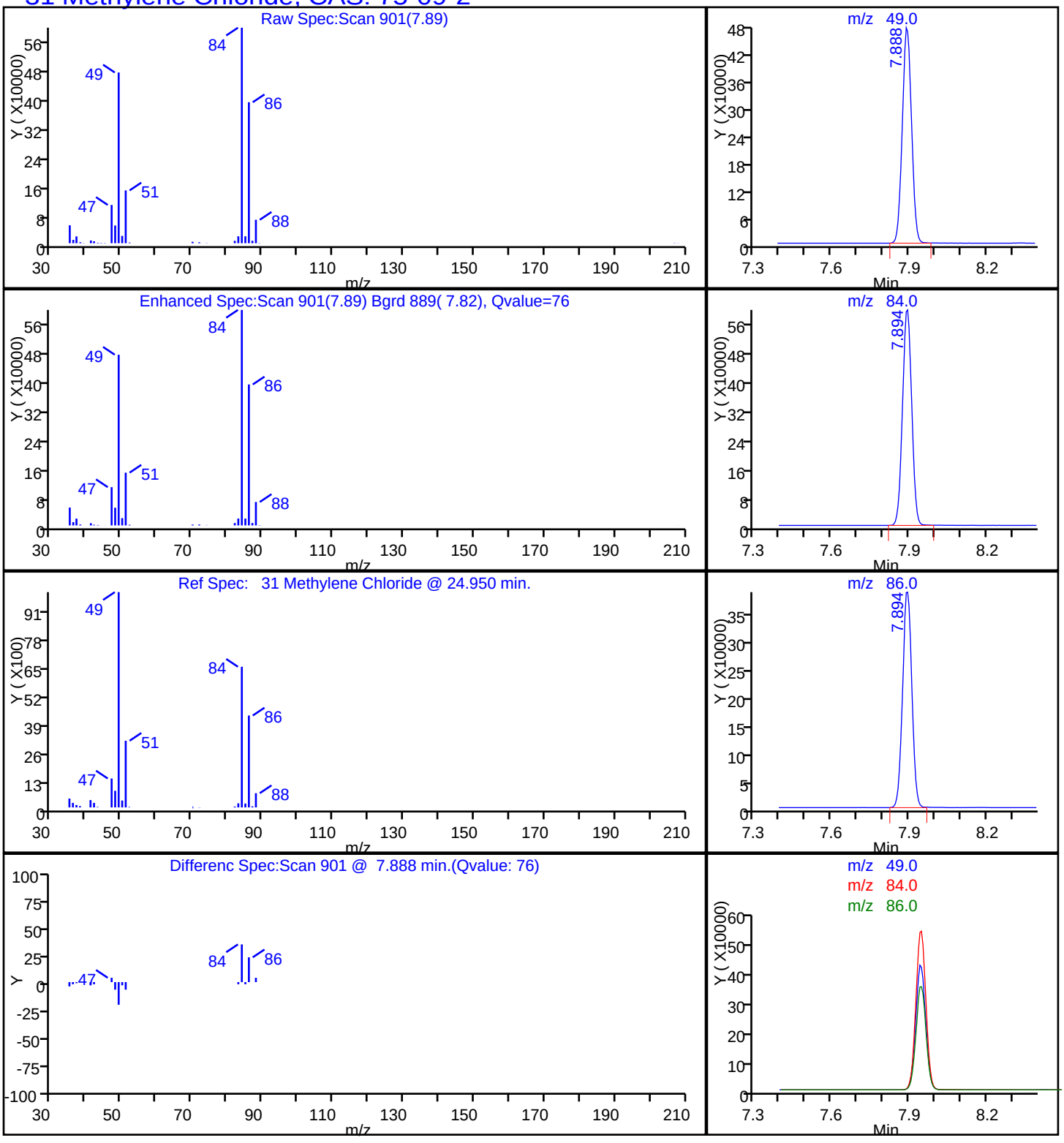
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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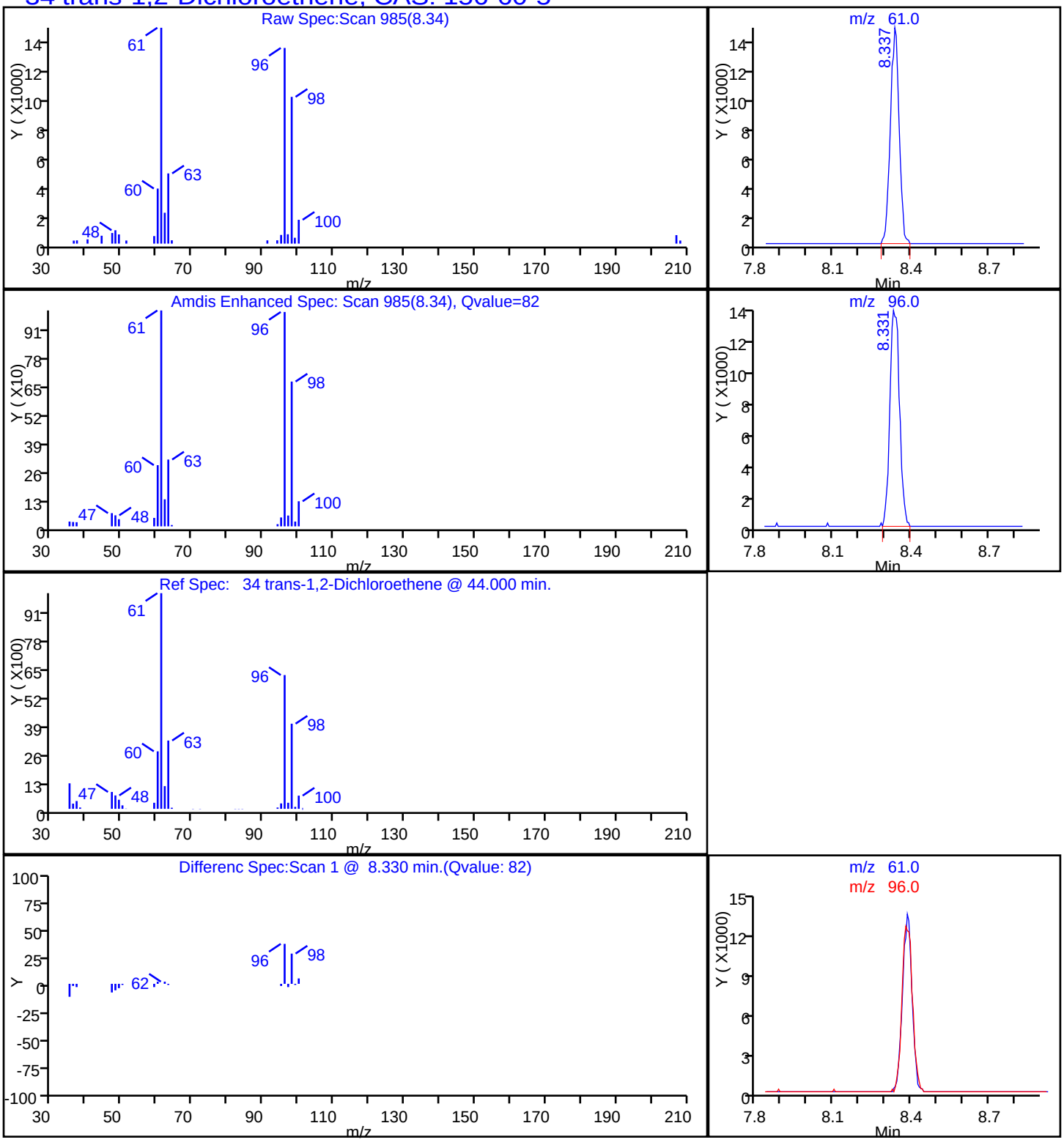
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5



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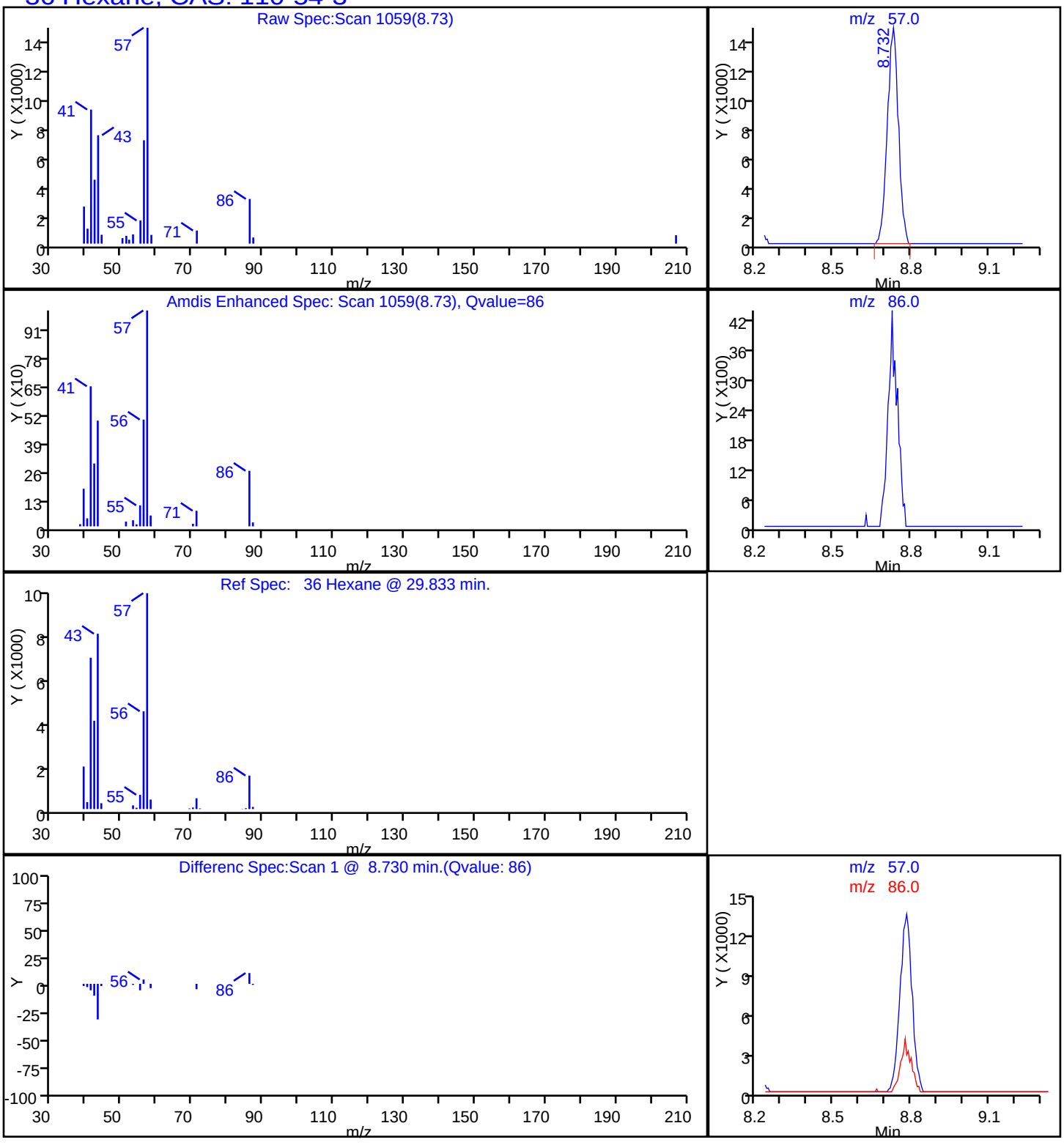
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



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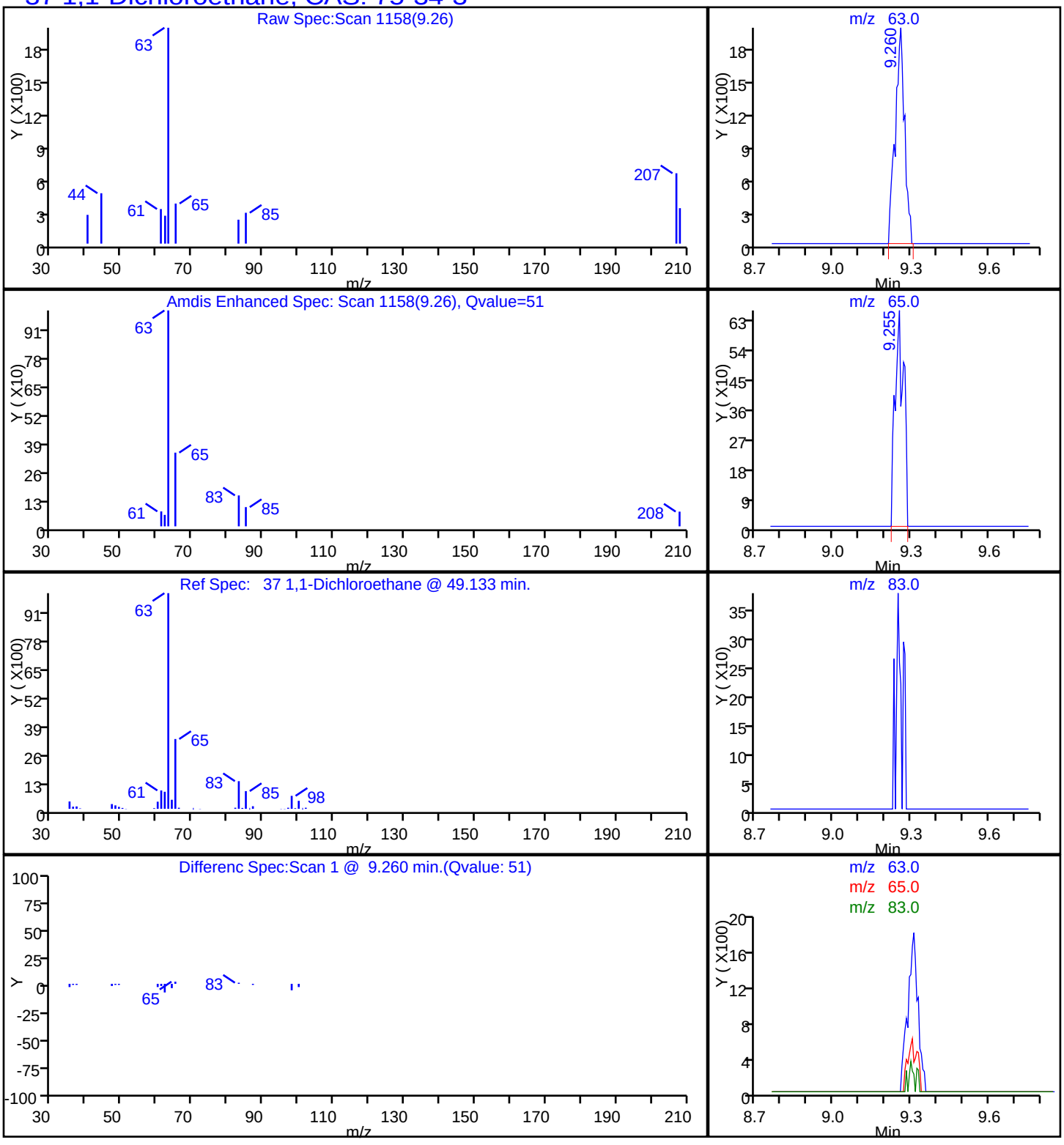
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



Report Date: 14-Apr-2014 08:30:00 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D

Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
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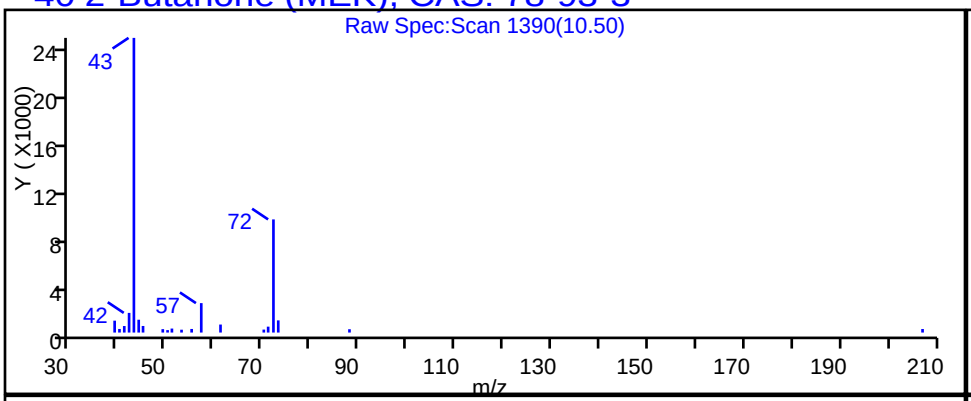
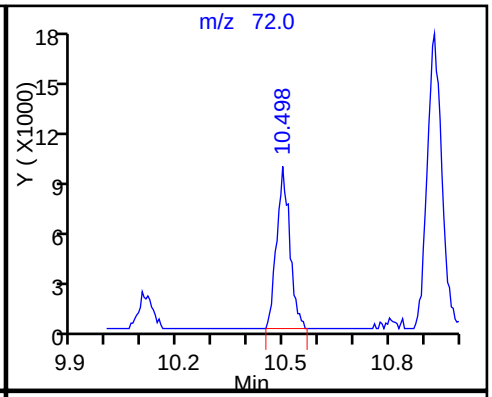
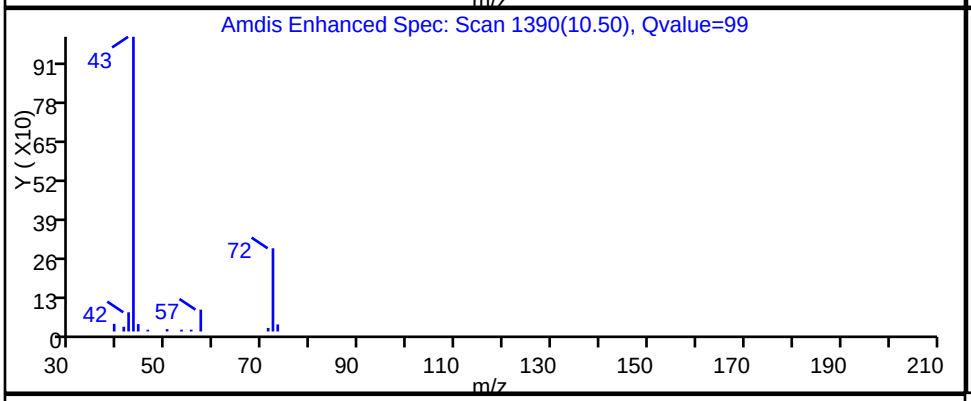
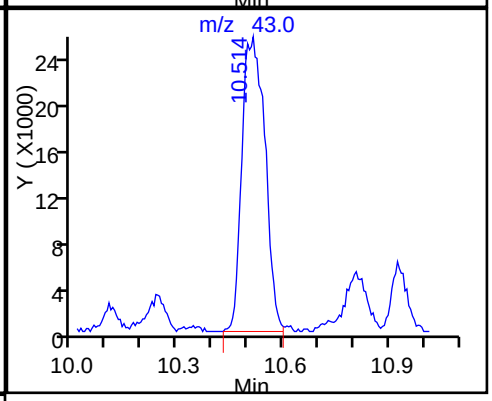
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

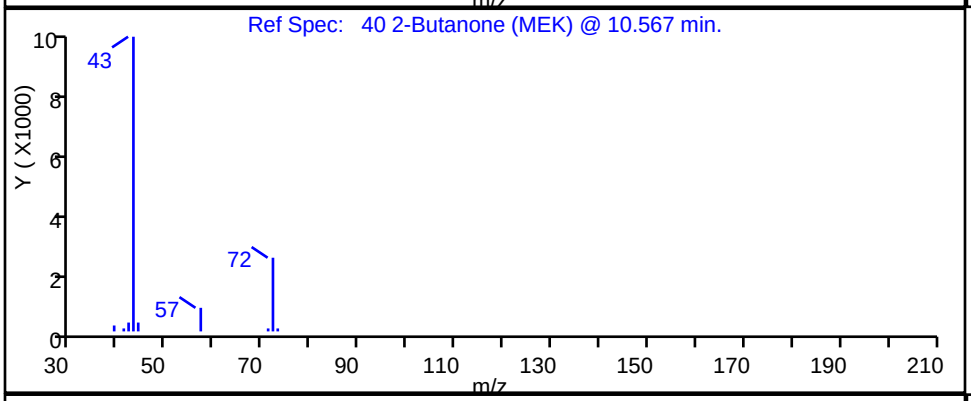
40 2-Butanone (MEK), CAS: 78-93-3

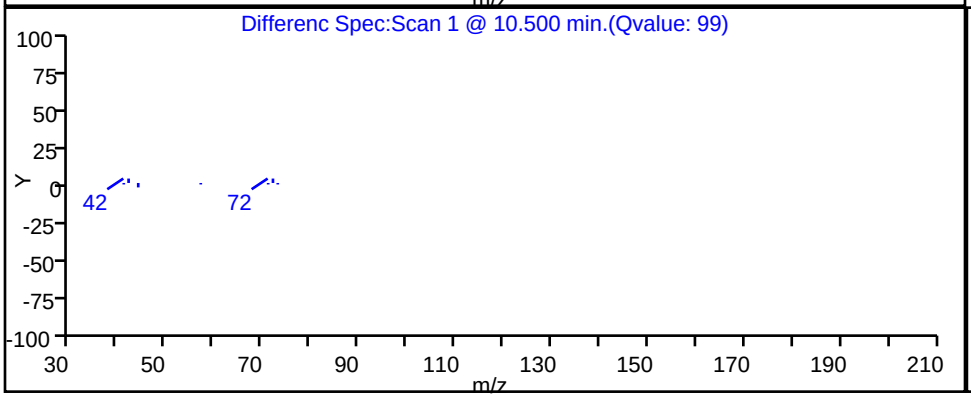


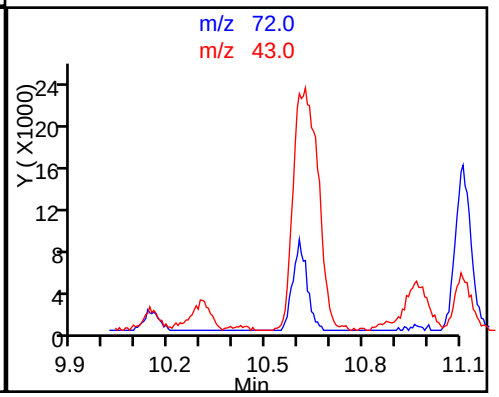












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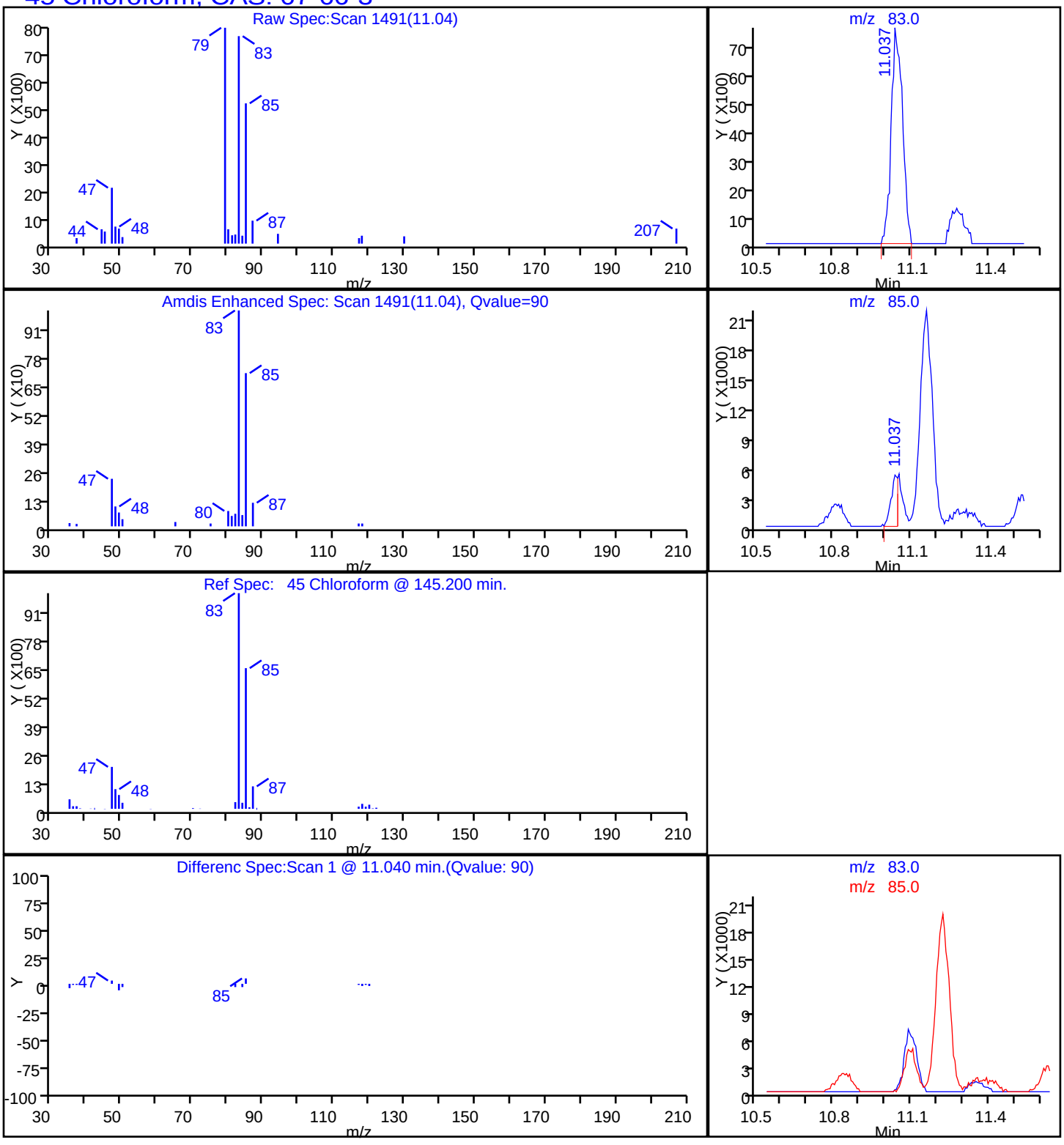
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D

Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



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TestAmerica Burlington

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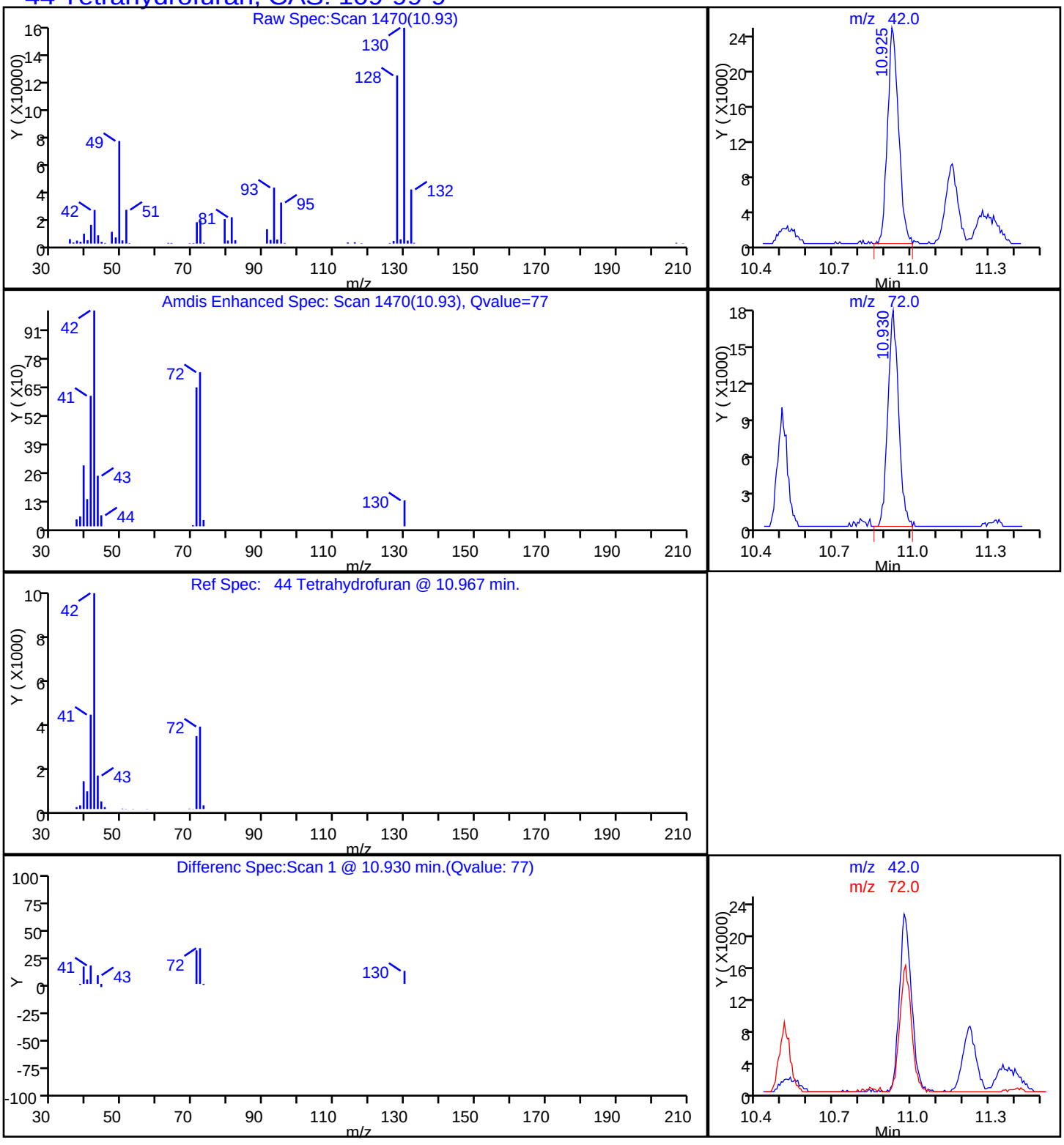
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Tetrahydrofuran, CAS: 109-99-9



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TestAmerica Burlington

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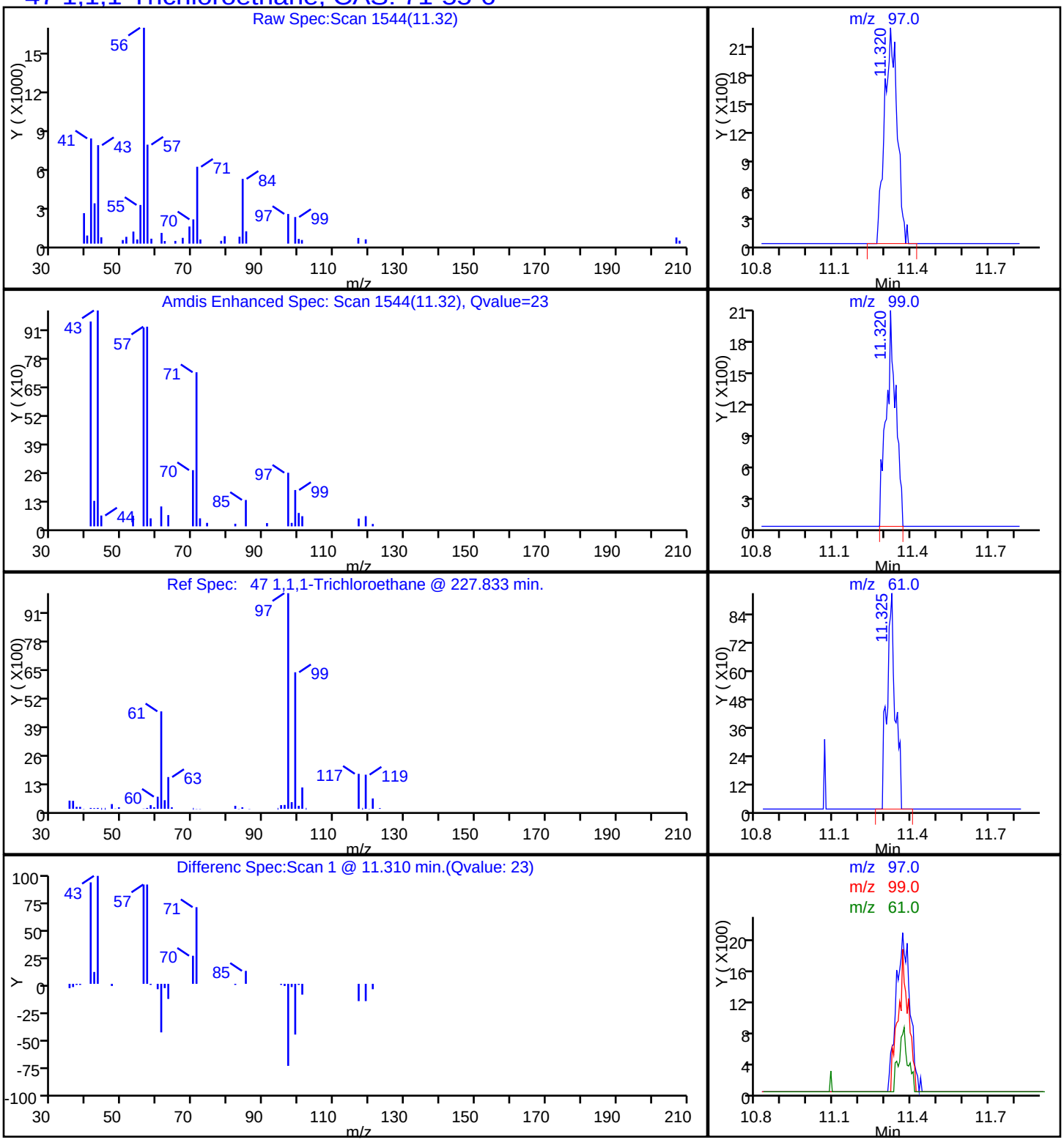
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



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TestAmerica Burlington

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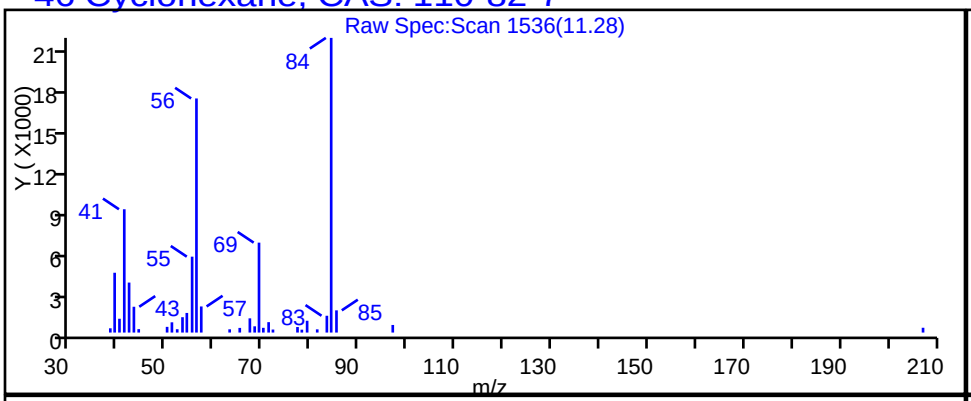
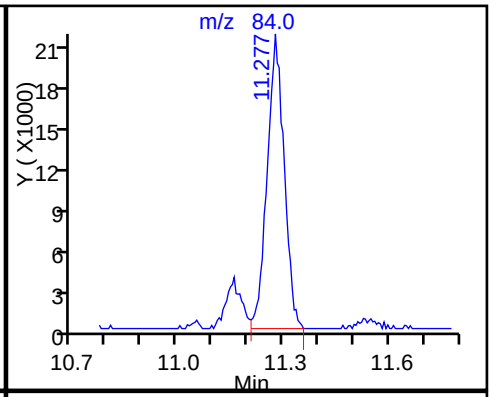
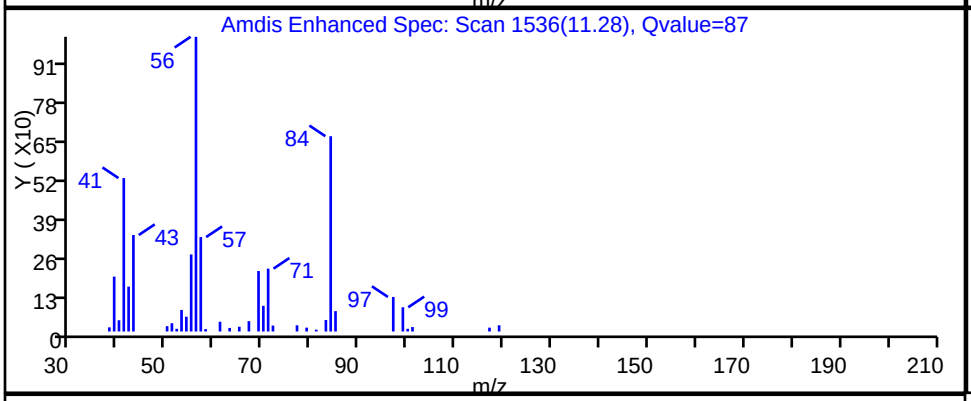
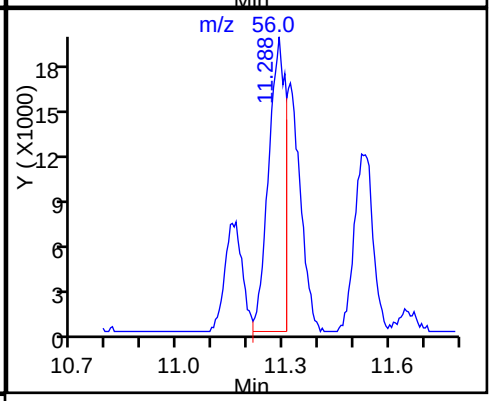
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

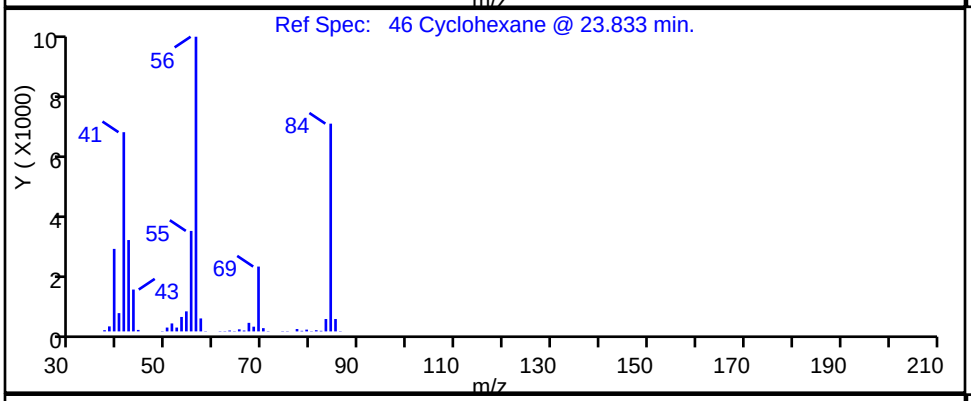
46 Cyclohexane, CAS: 110-82-7

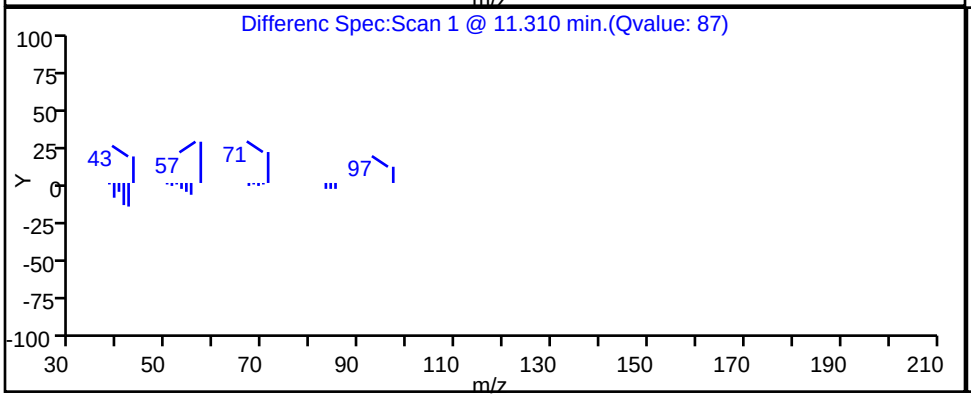


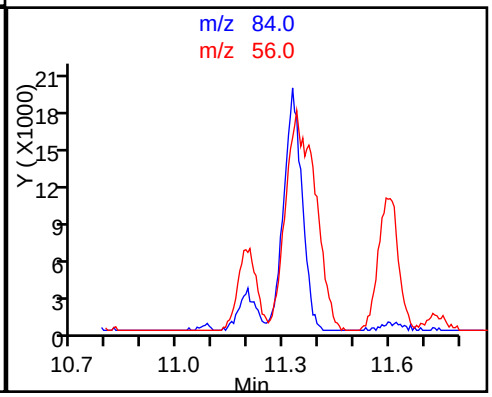












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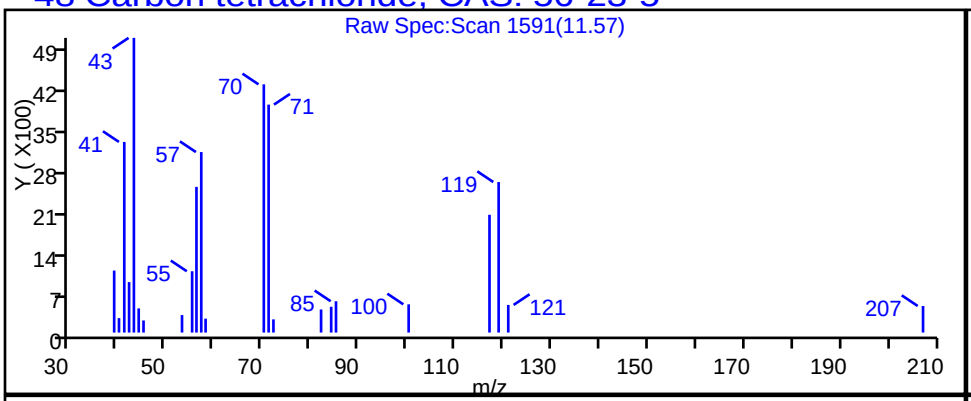
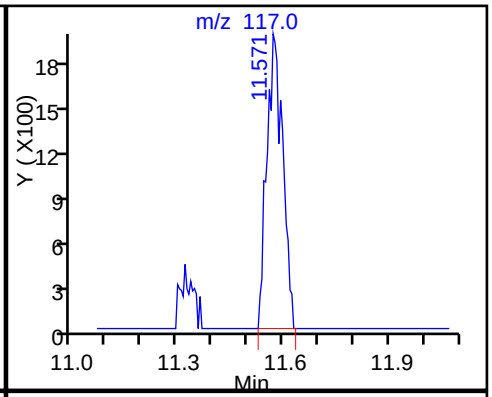
TestAmerica Burlington

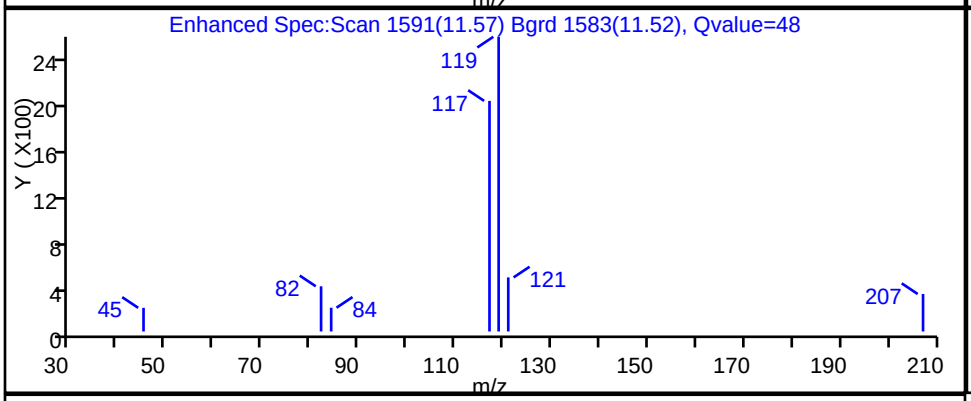
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D

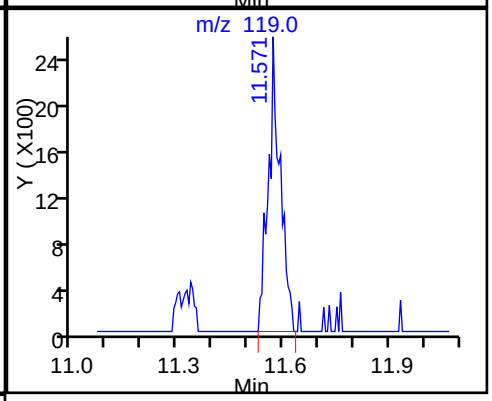
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

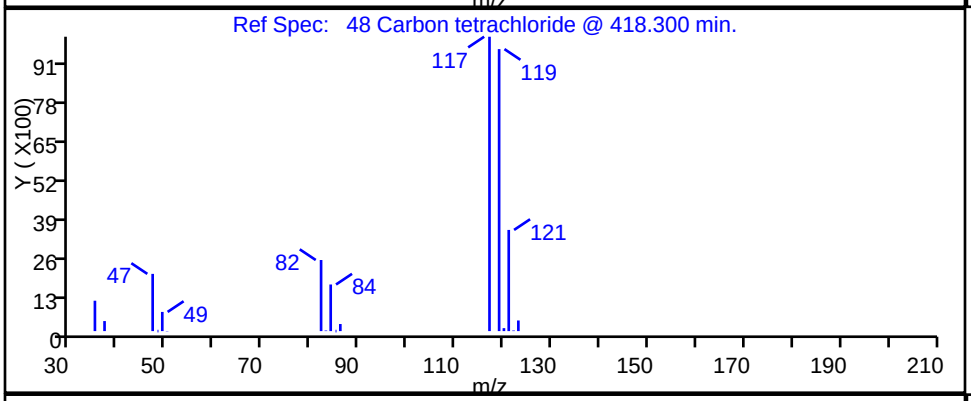
48 Carbon tetrachloride, CAS: 56-23-5

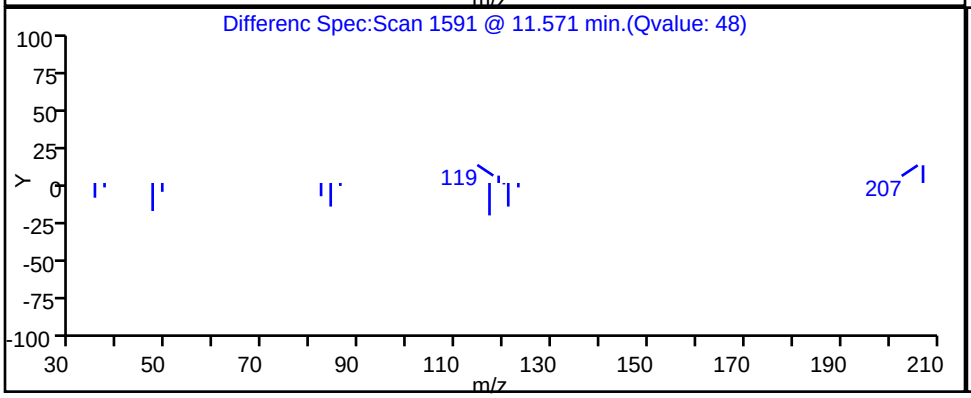


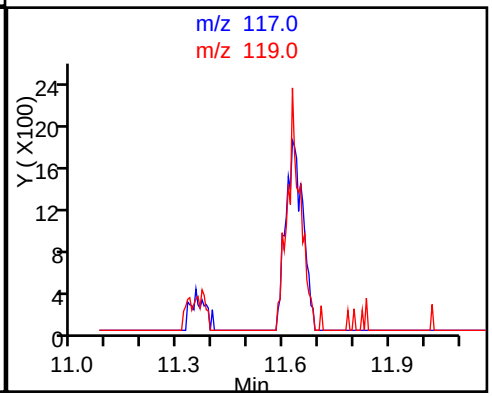












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TestAmerica Burlington

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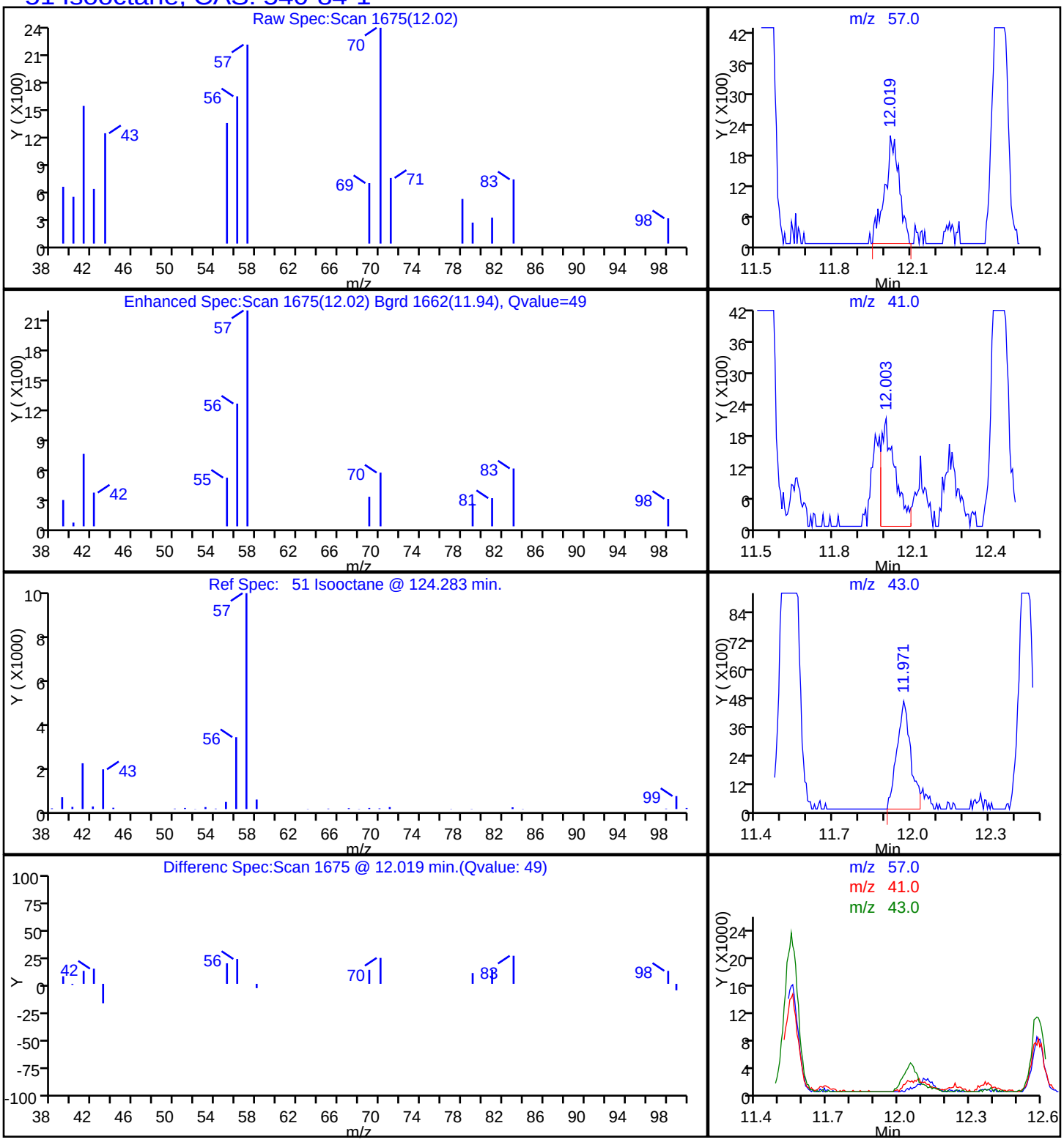
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1



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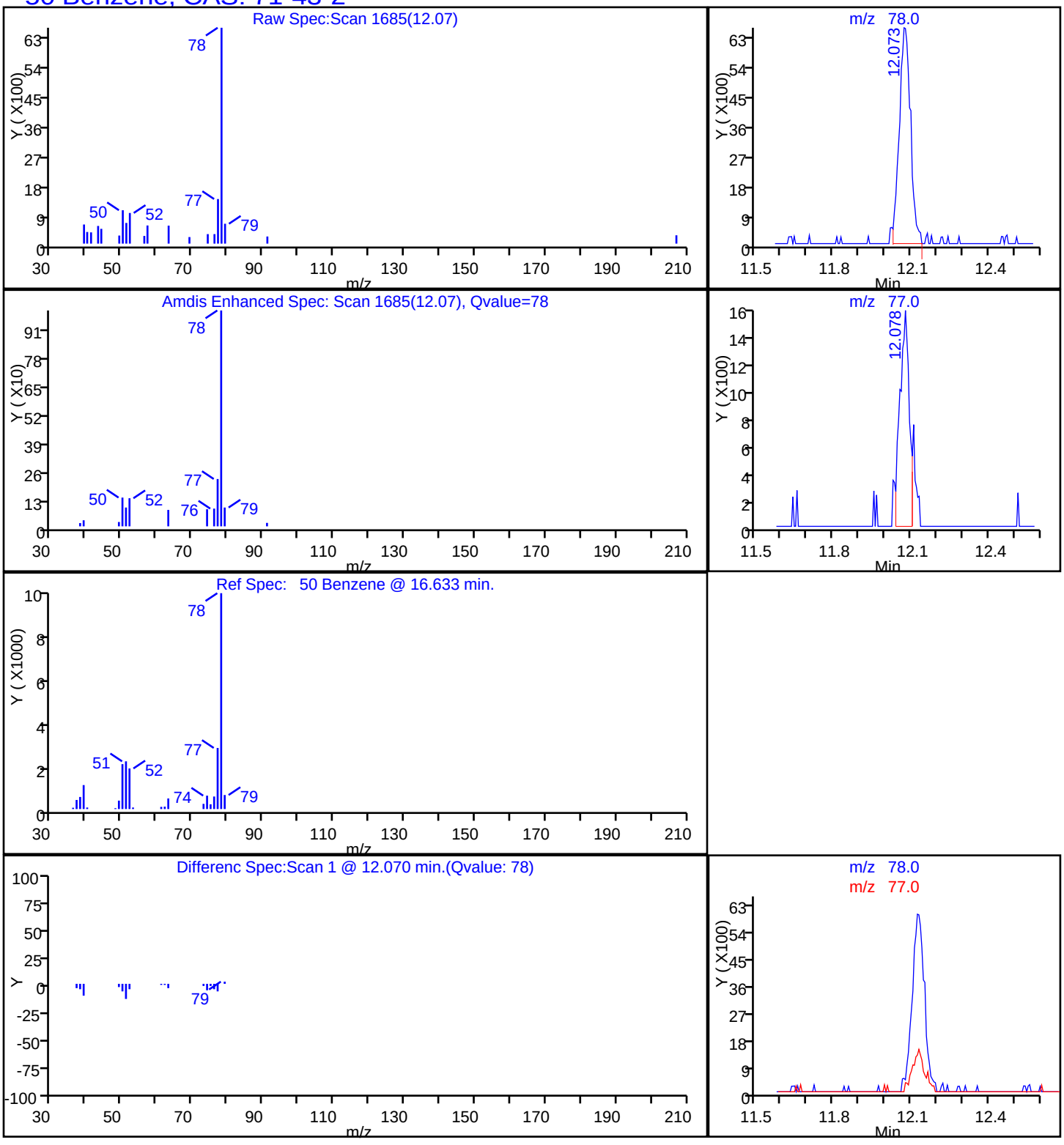
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



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TestAmerica Burlington

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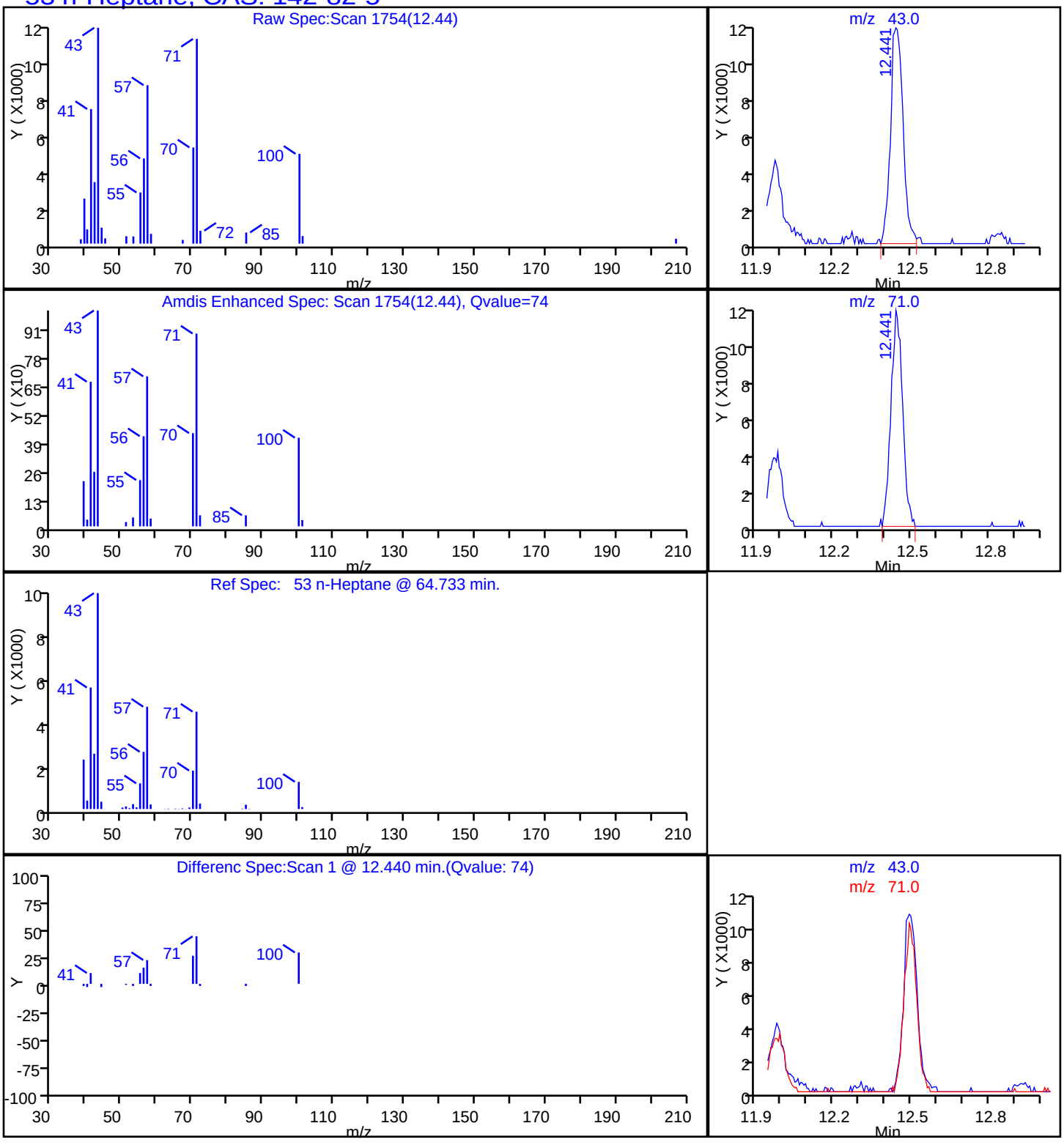
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5



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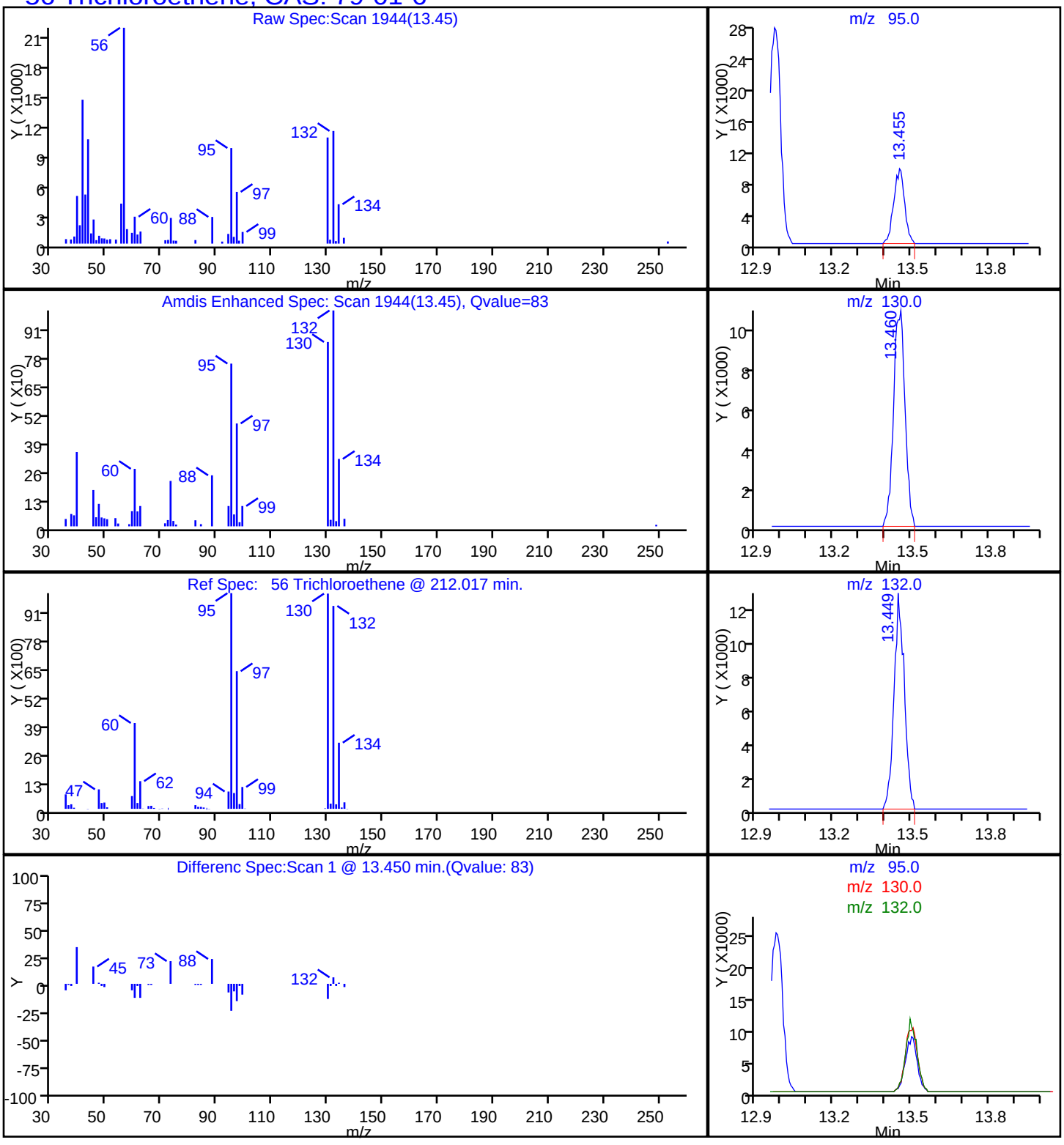
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D

Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
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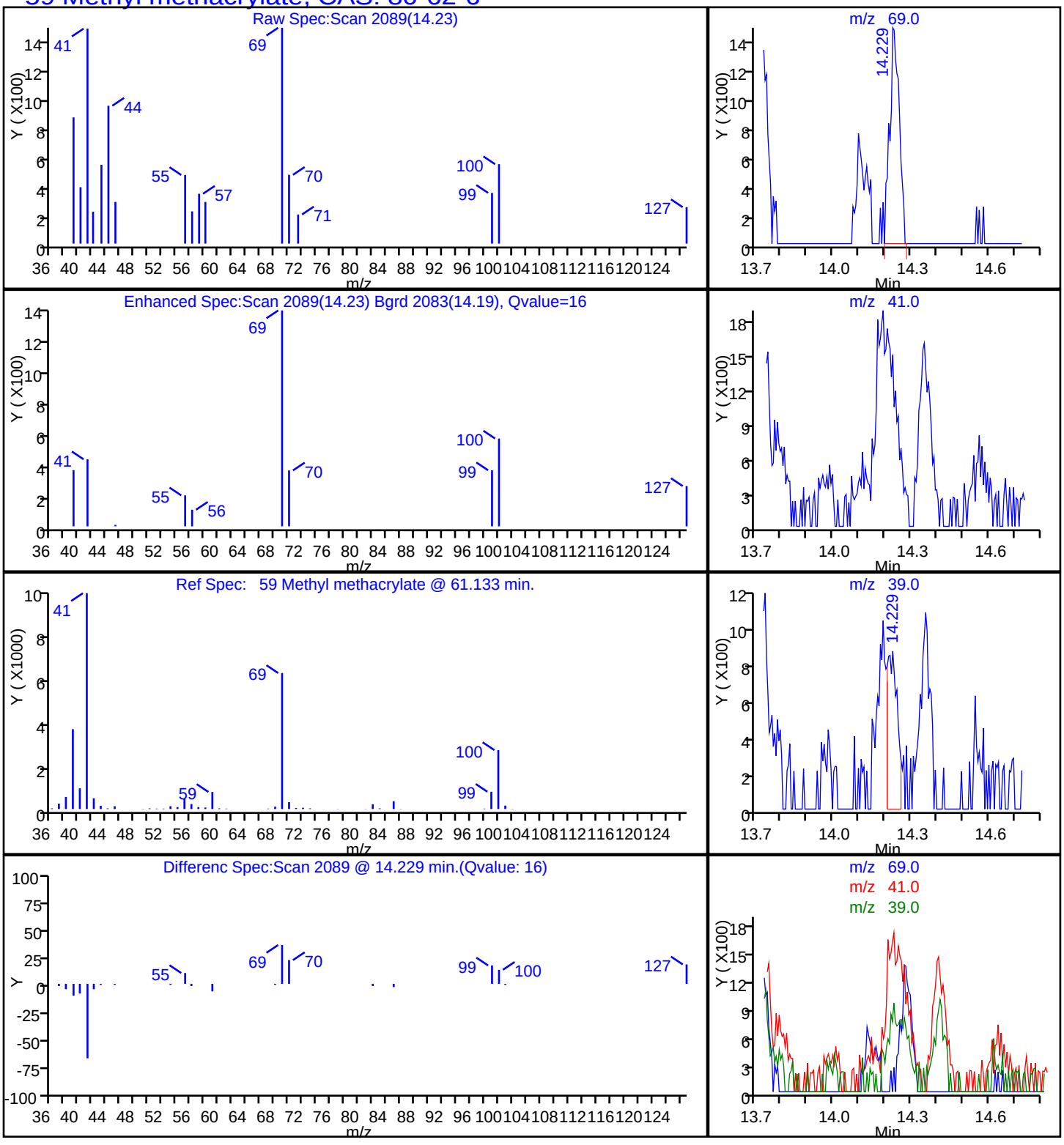
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

59 Methyl methacrylate, CAS: 80-62-6



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Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
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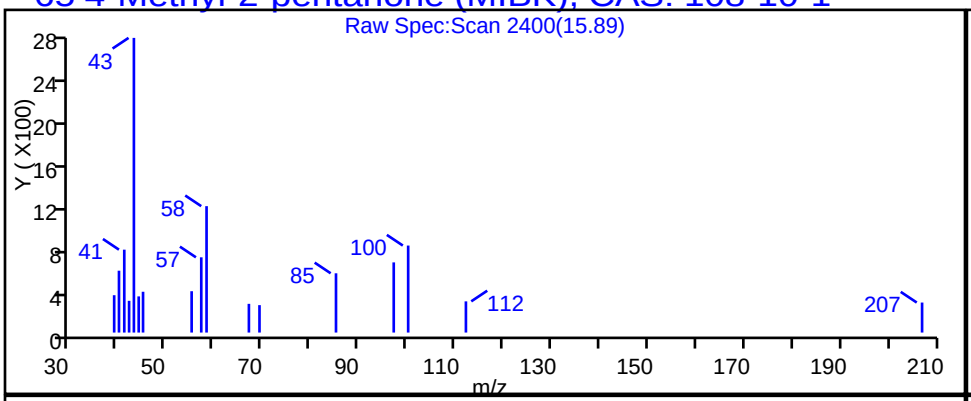
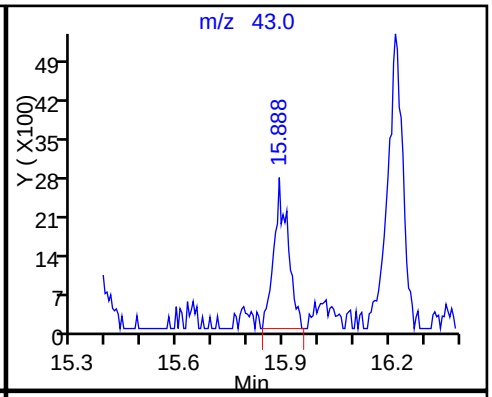
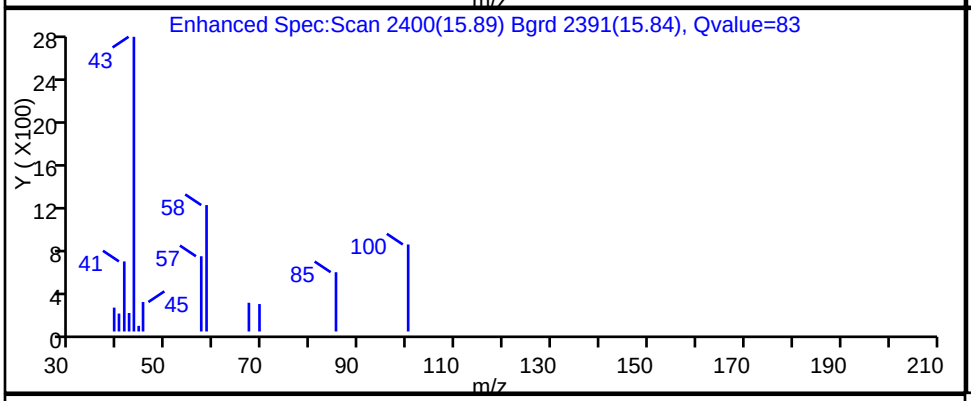
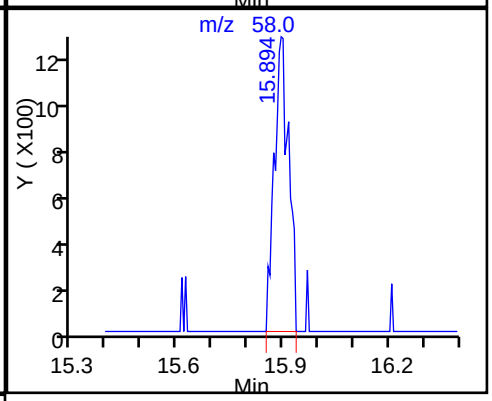
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

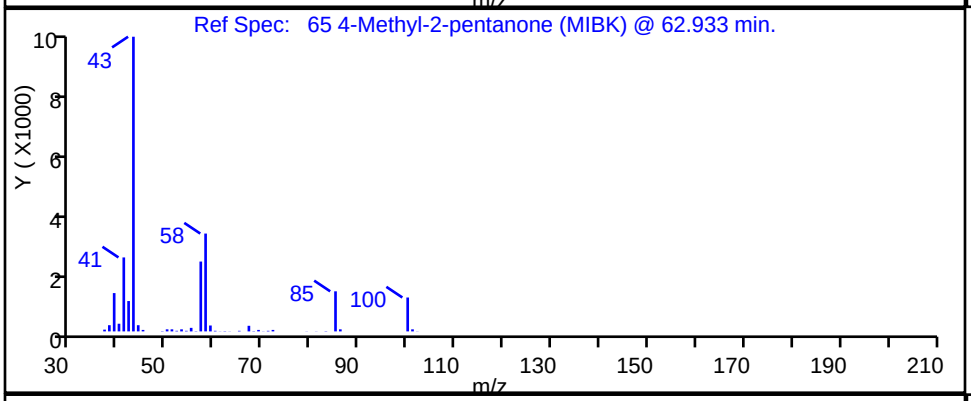
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

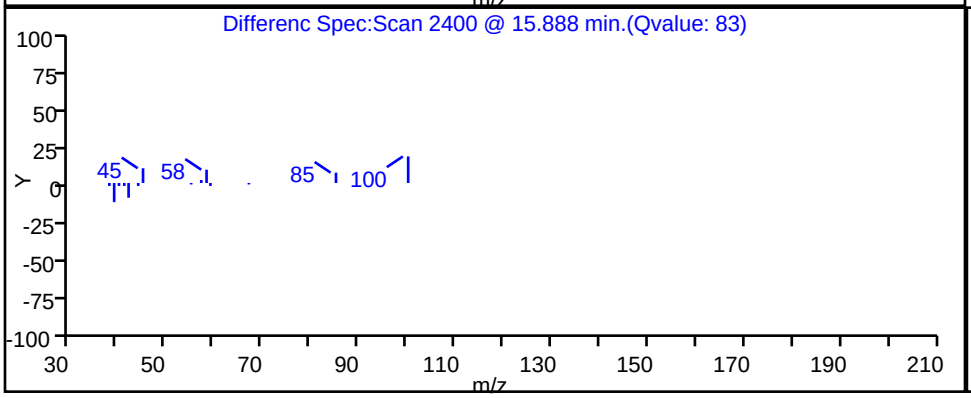


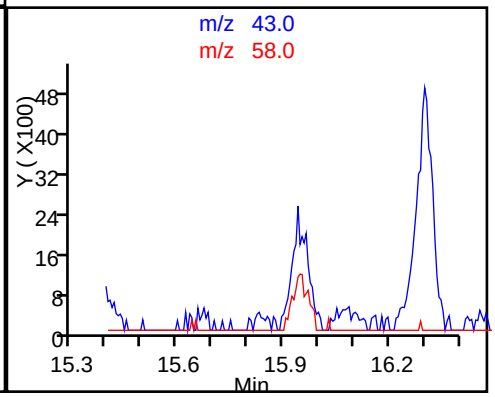












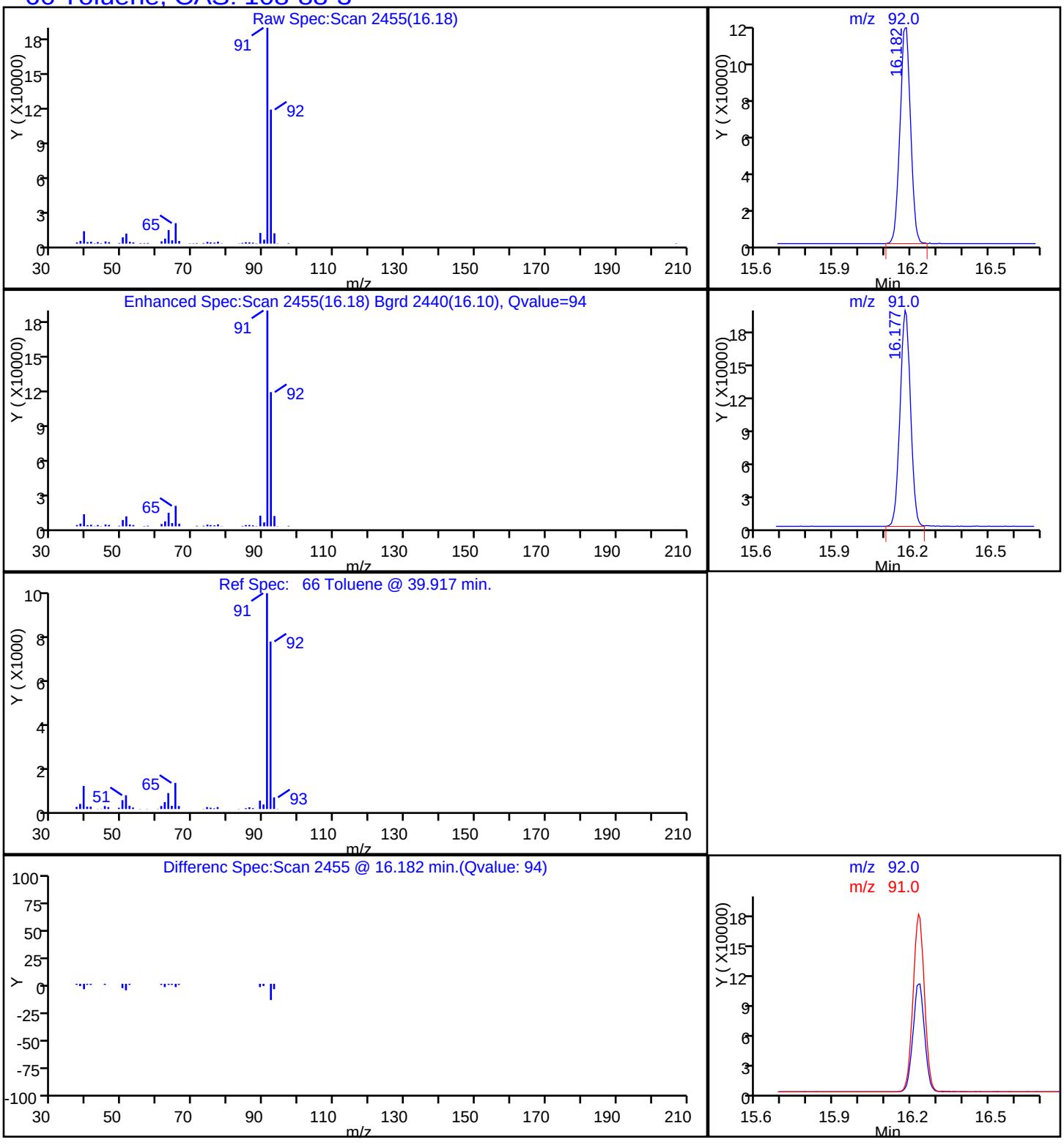
Report Date: 14-Apr-2014 08:30:00 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D

Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



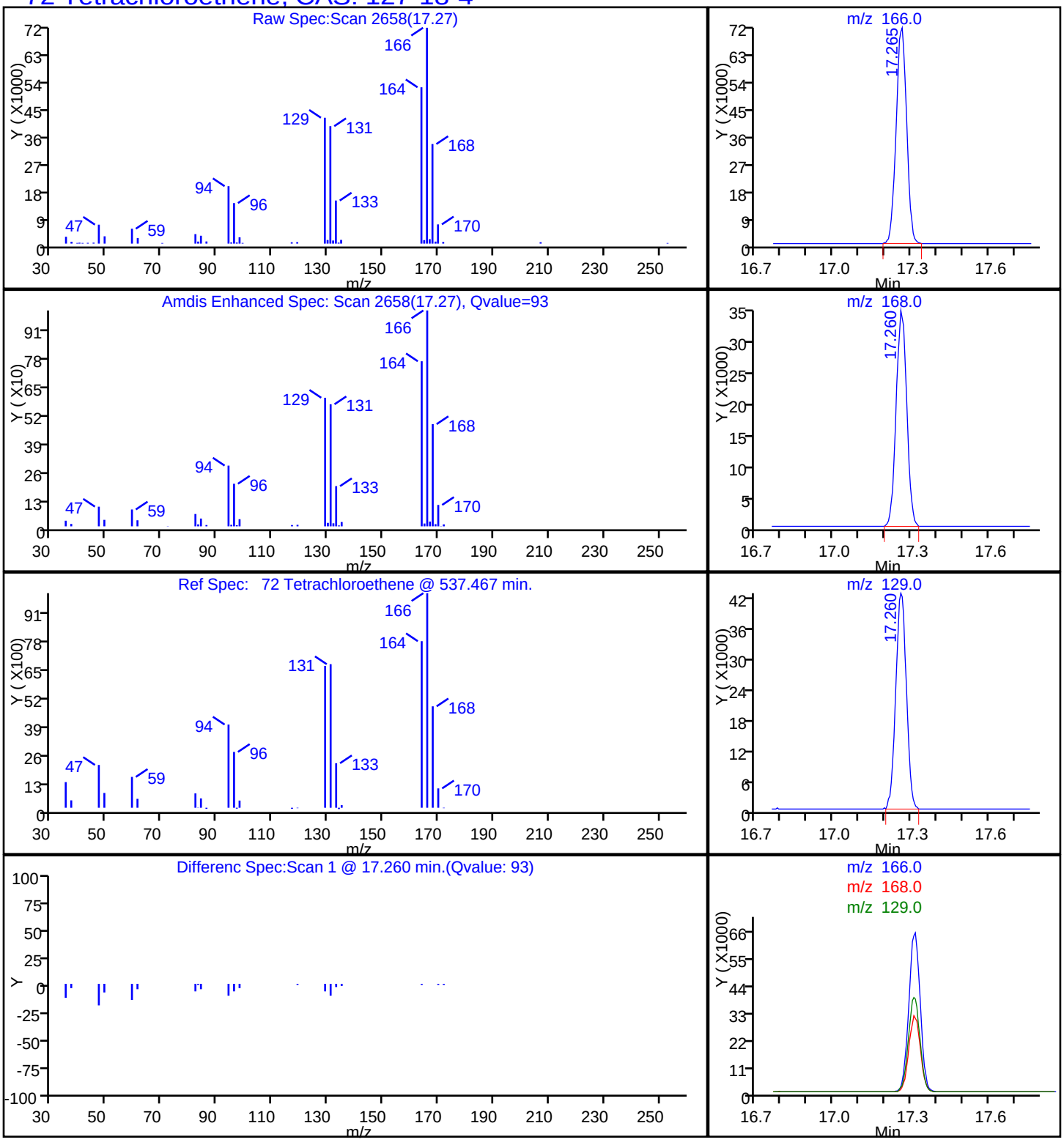
Report Date: 14-Apr-2014 08:30:00 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D

Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



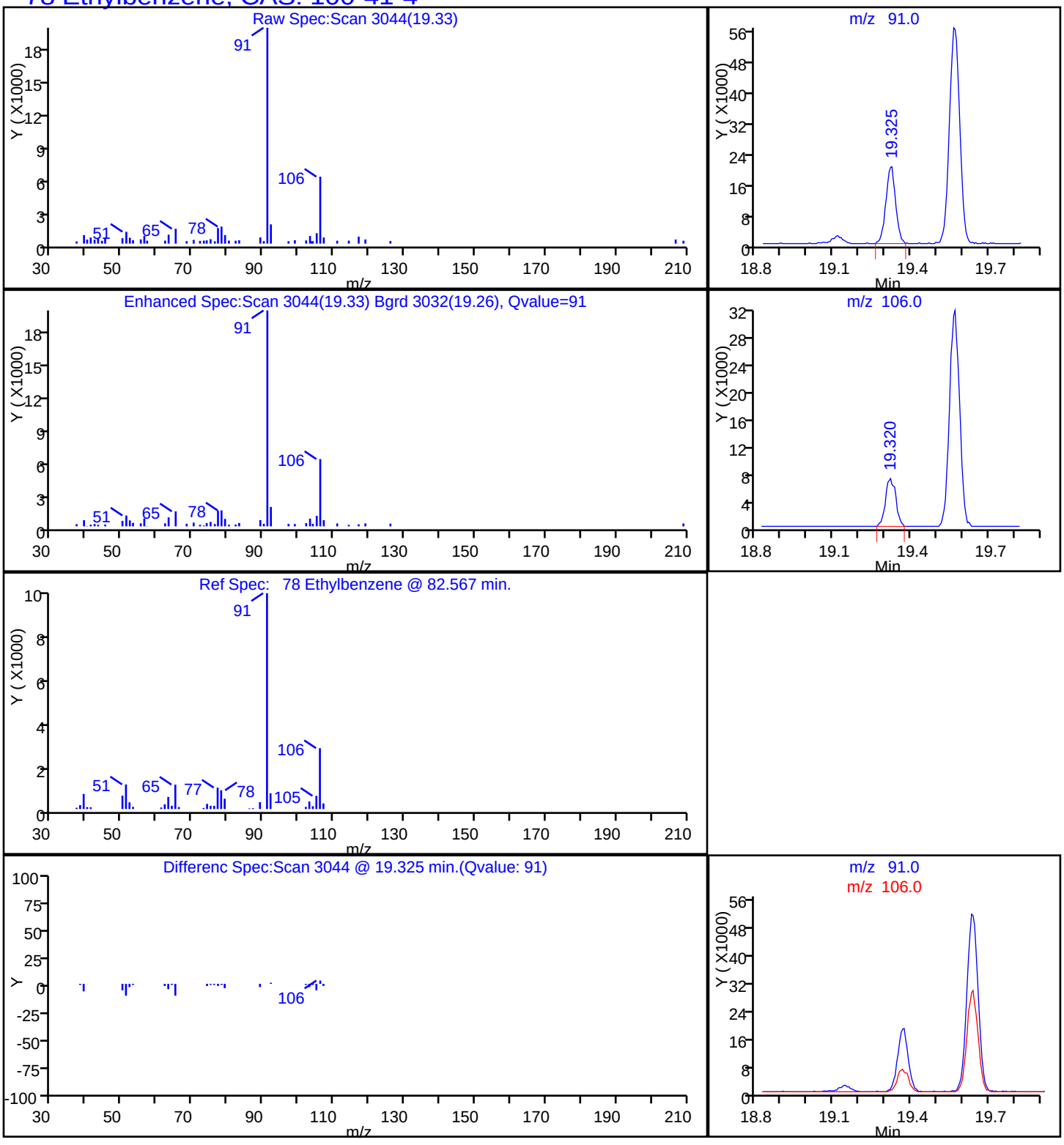
Report Date: 14-Apr-2014 08:30:00 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D

Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4

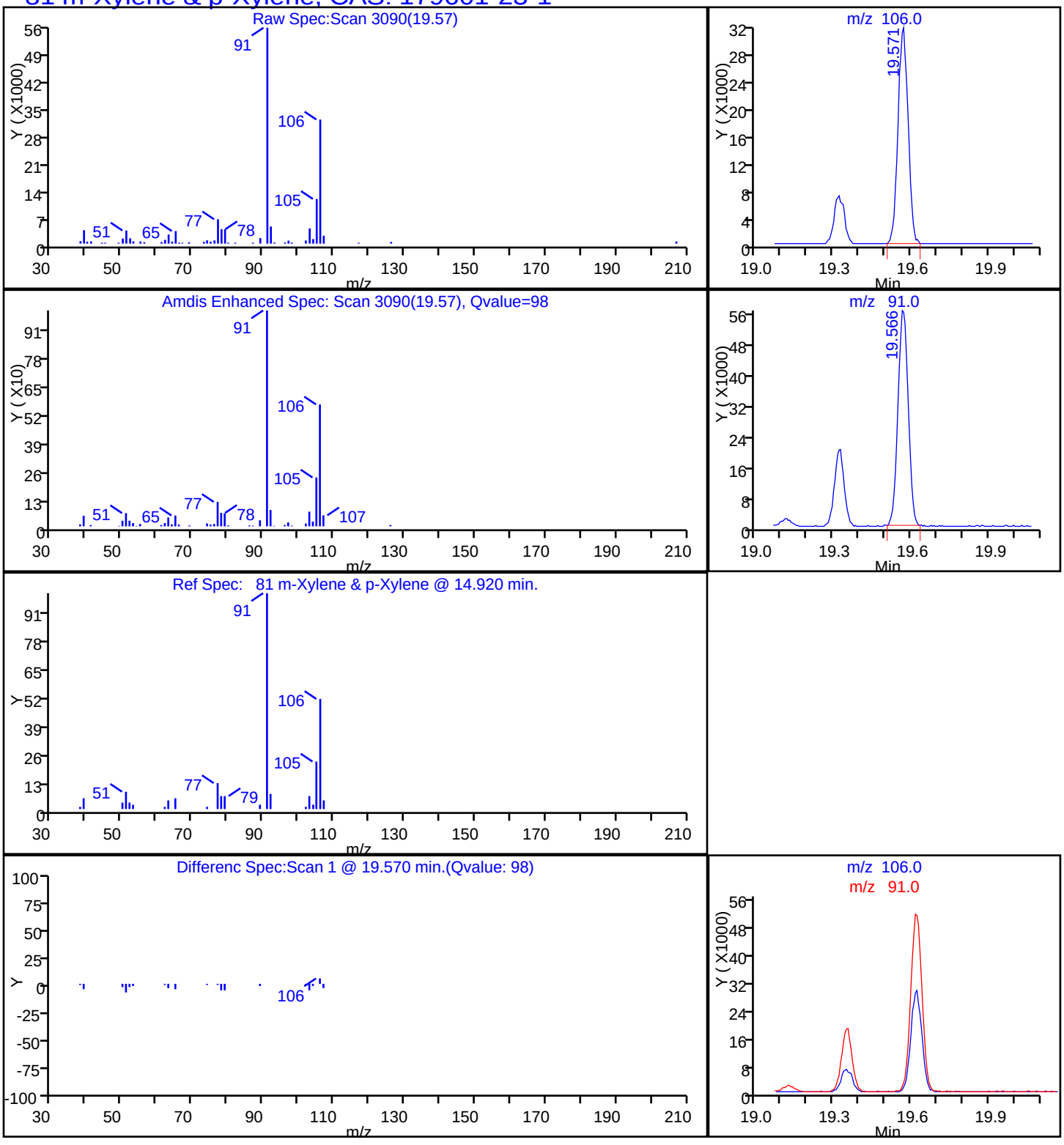


Report Date: 14-Apr-2014 08:30:00 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D				
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



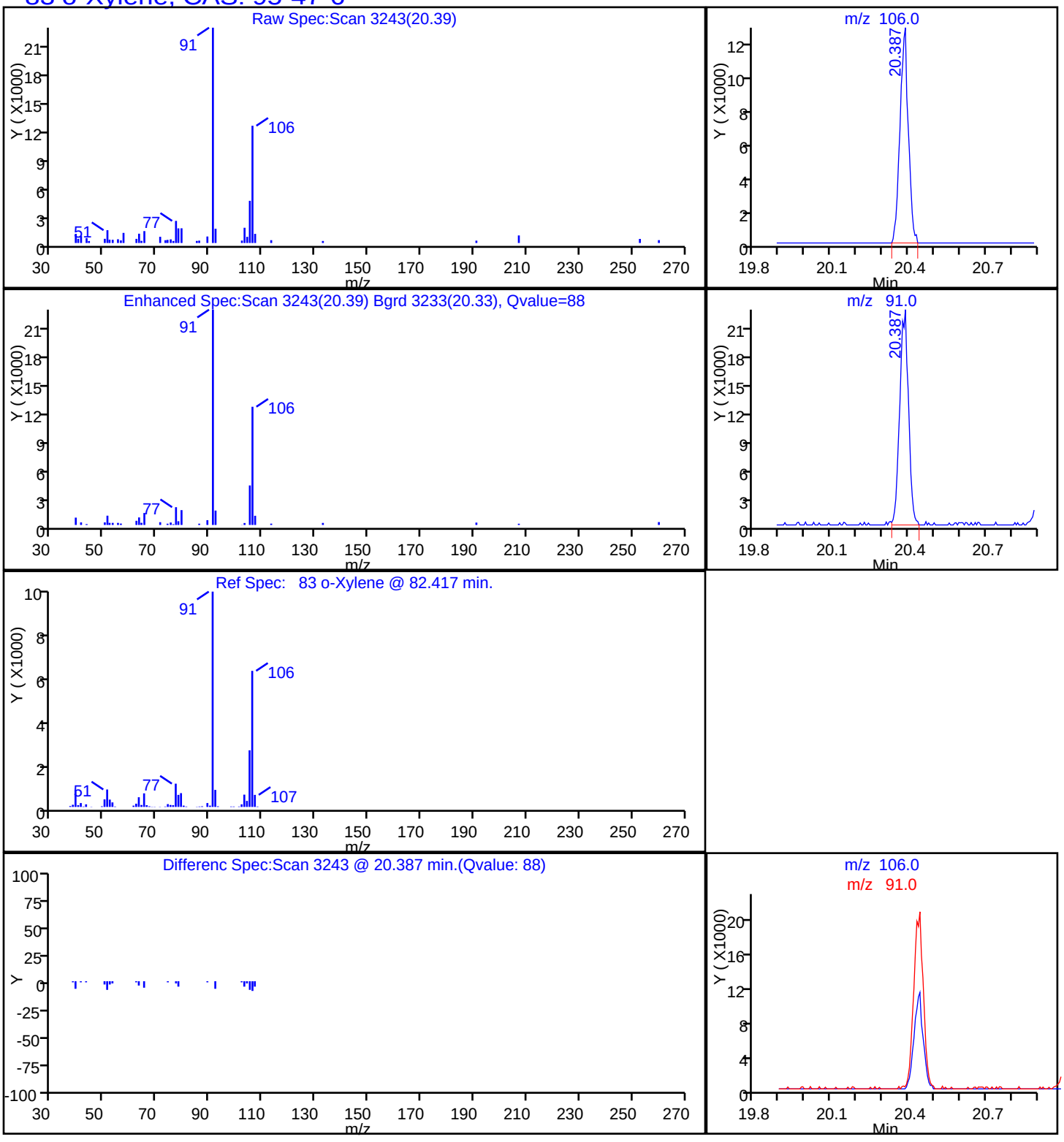
Report Date: 14-Apr-2014 08:30:00 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D

Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



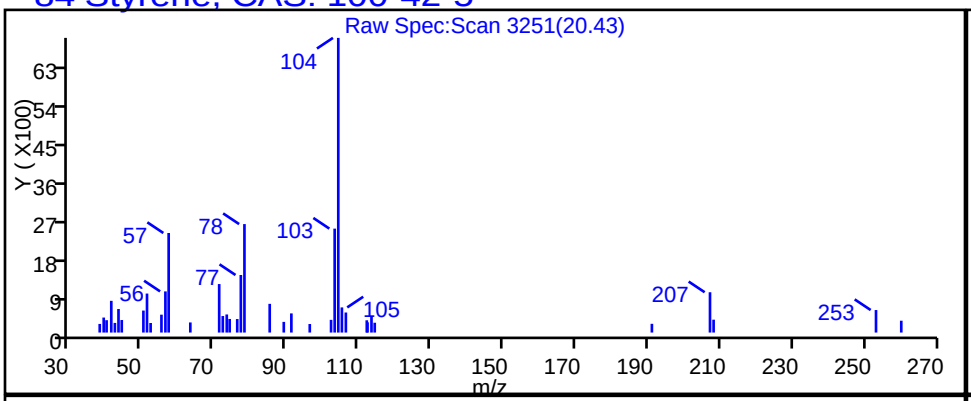
Report Date: 14-Apr-2014 08:30:00 Chrom Revision: 2.2 10-Apr-2014 15:11:30

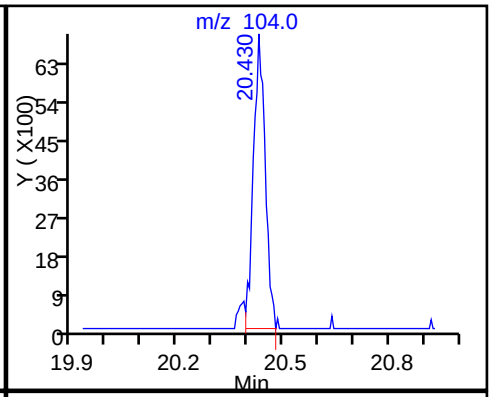
TestAmerica Burlington

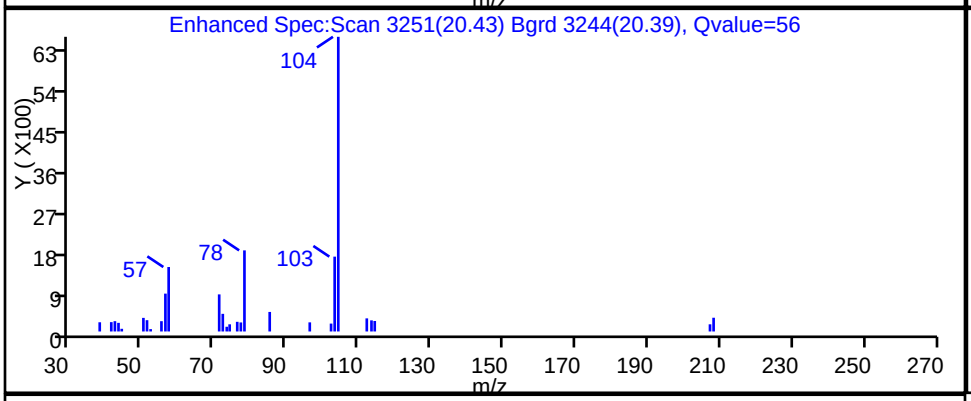
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D

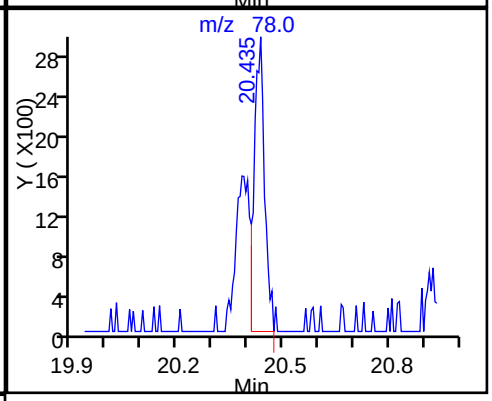
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

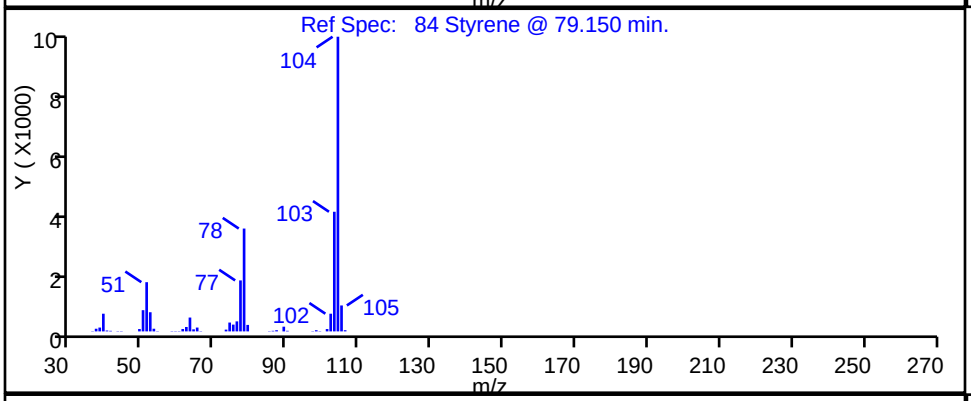
84 Styrene, CAS: 100-42-5

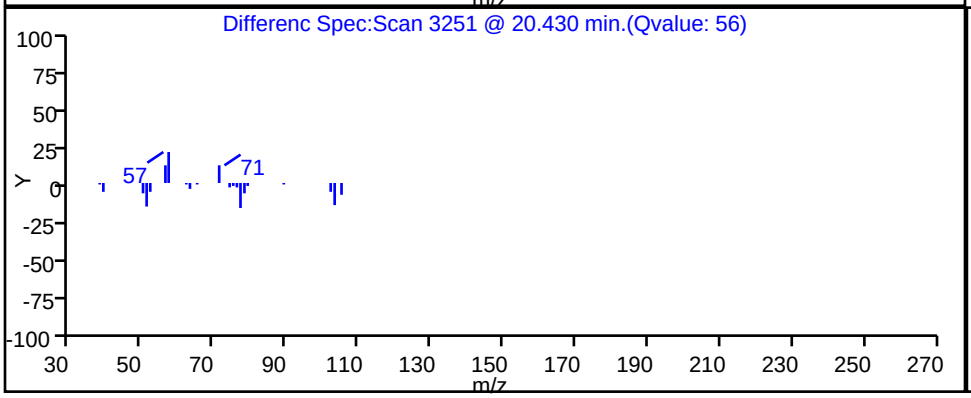


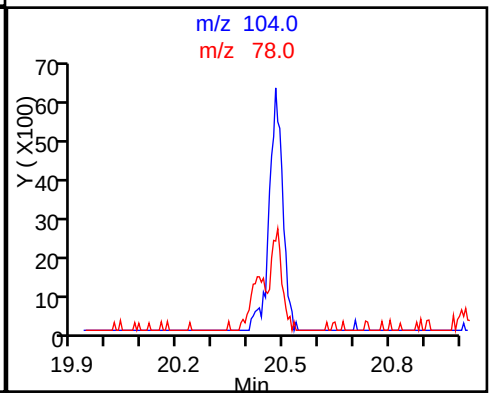












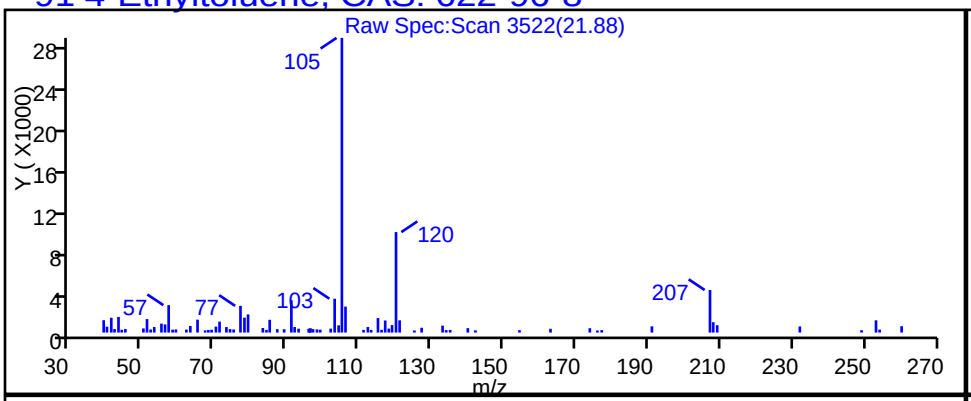
Report Date: 14-Apr-2014 08:30:00 Chrom Revision: 2.2 10-Apr-2014 15:11:30

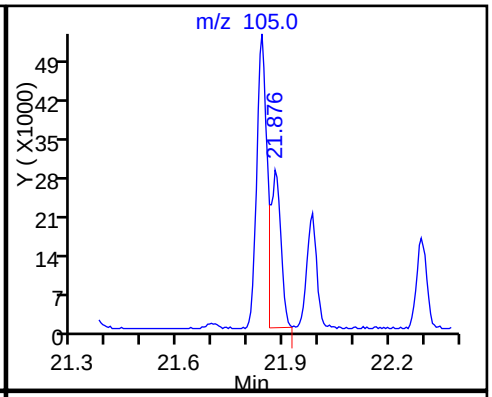
TestAmerica Burlington

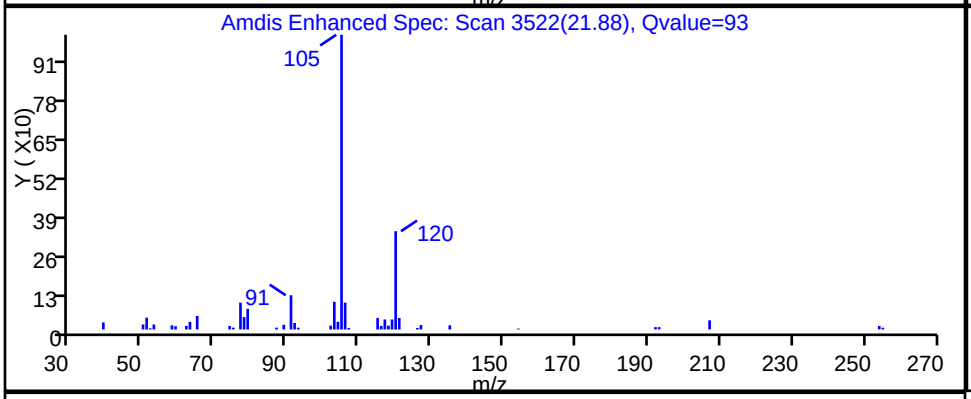
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D

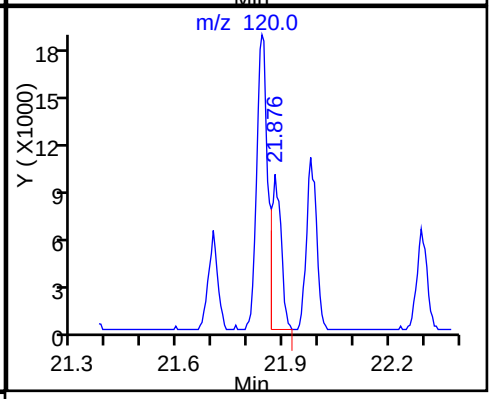
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

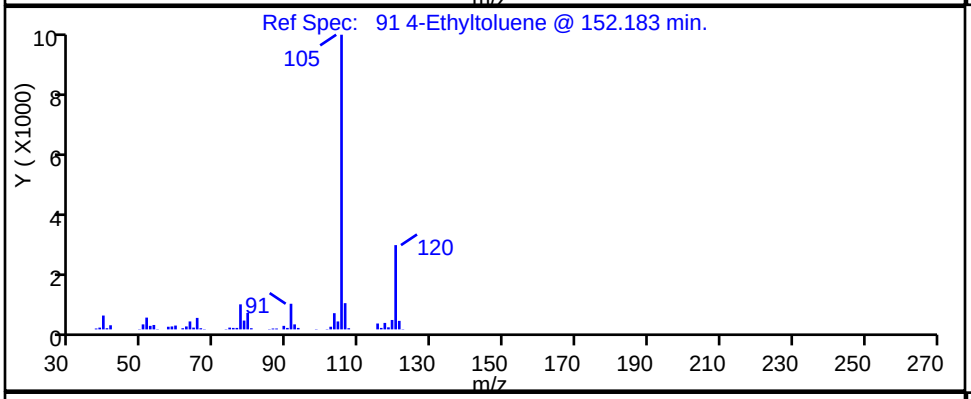
91 4-Ethyltoluene, CAS: 622-96-8

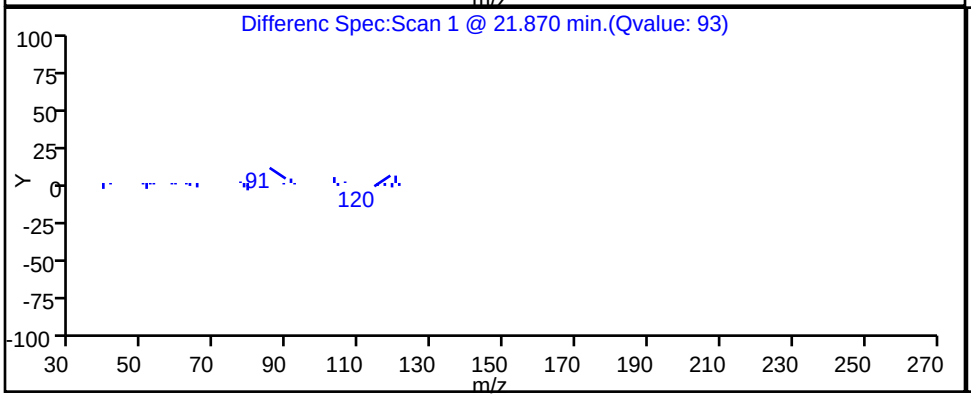


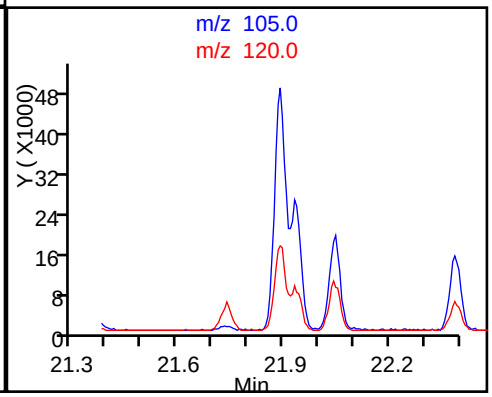












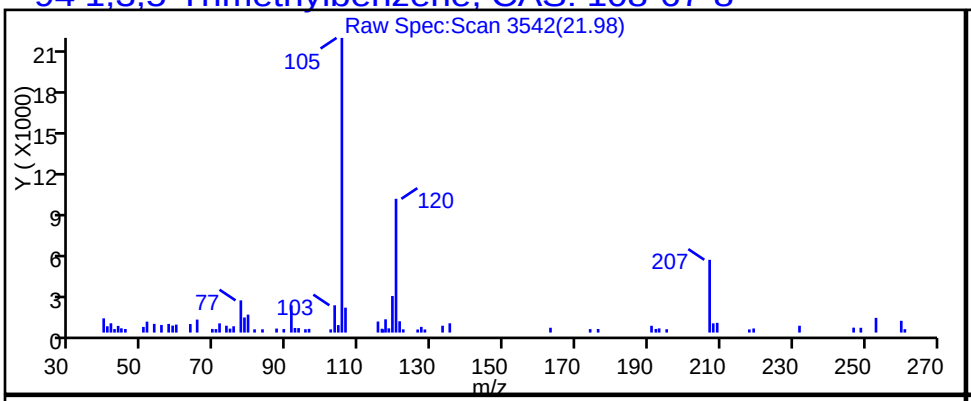
Report Date: 14-Apr-2014 08:30:01 Chrom Revision: 2.2 10-Apr-2014 15:11:30

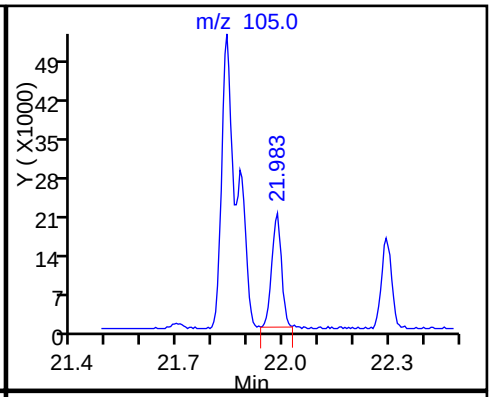
TestAmerica Burlington

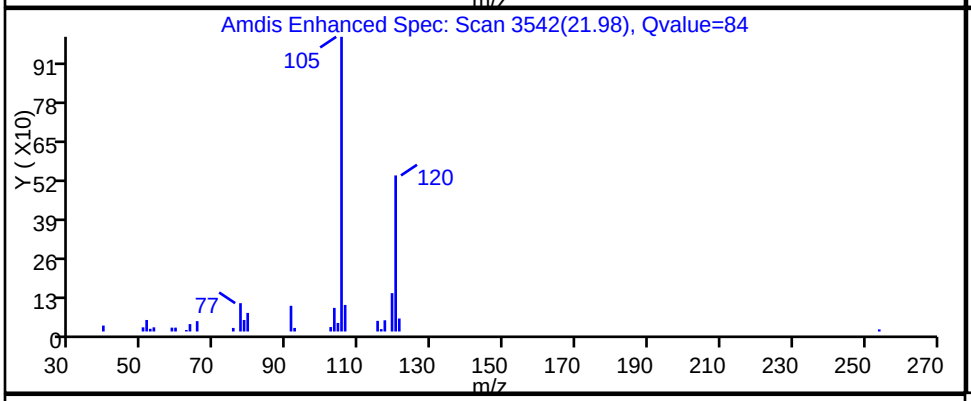
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D

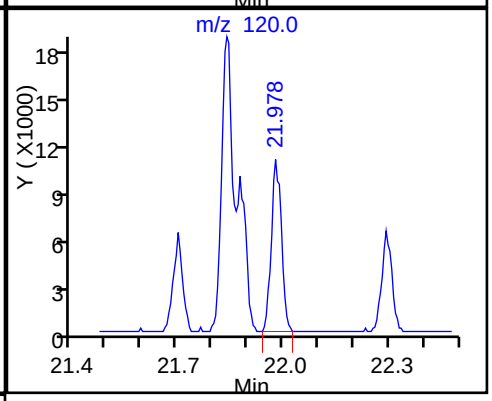
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

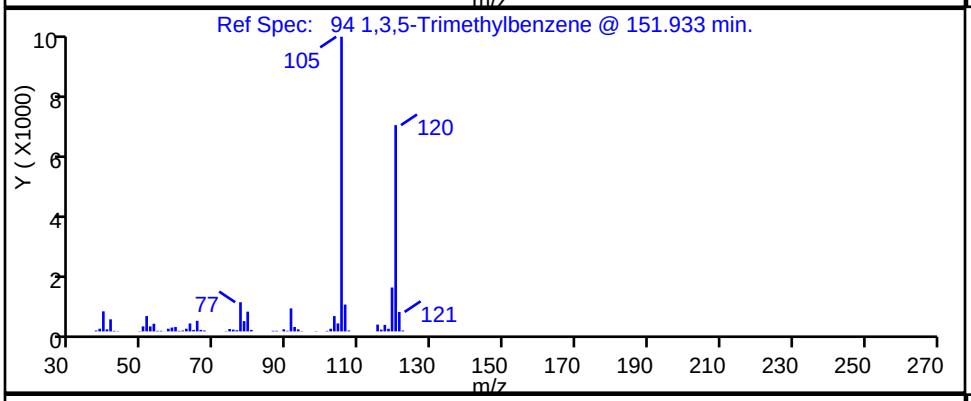
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

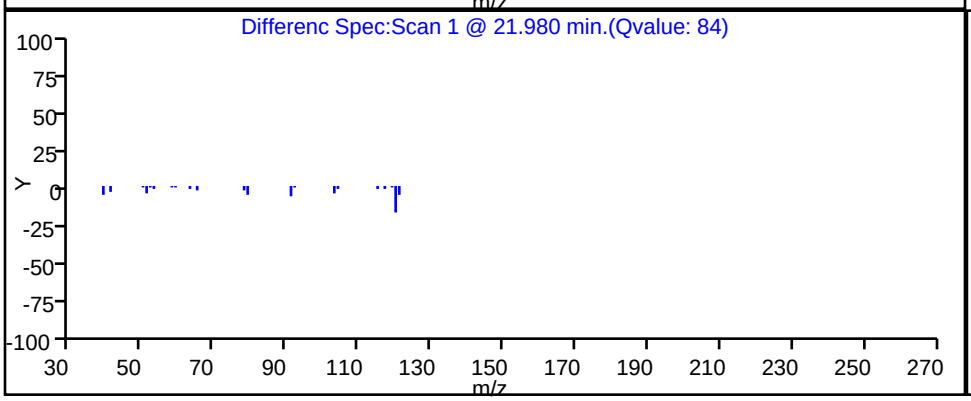


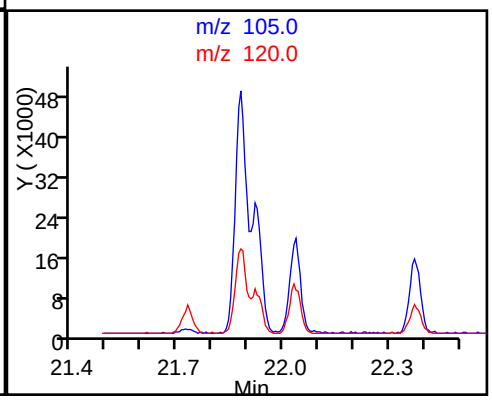












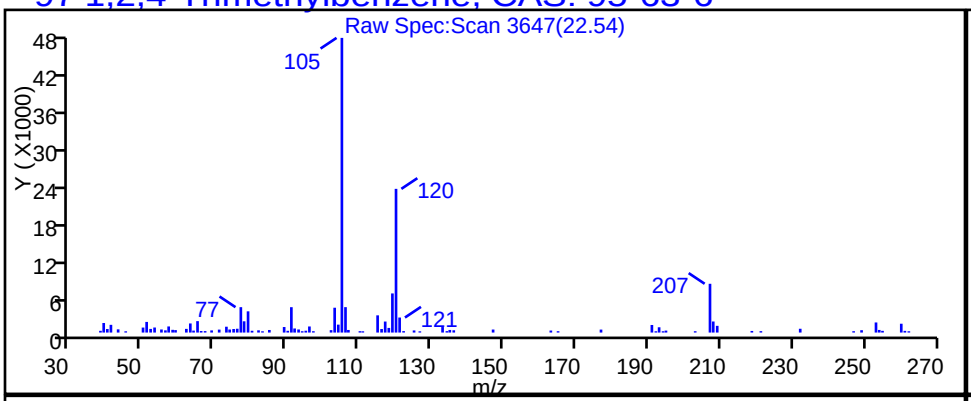
Report Date: 14-Apr-2014 08:30:01 Chrom Revision: 2.2 10-Apr-2014 15:11:30

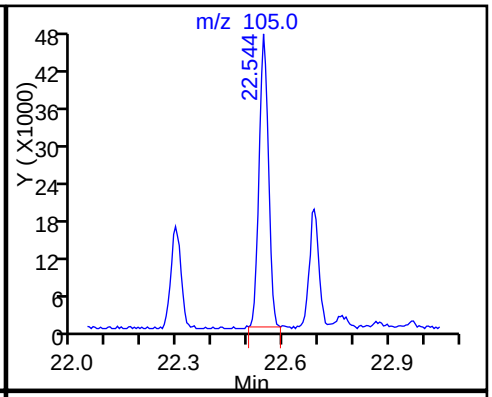
TestAmerica Burlington

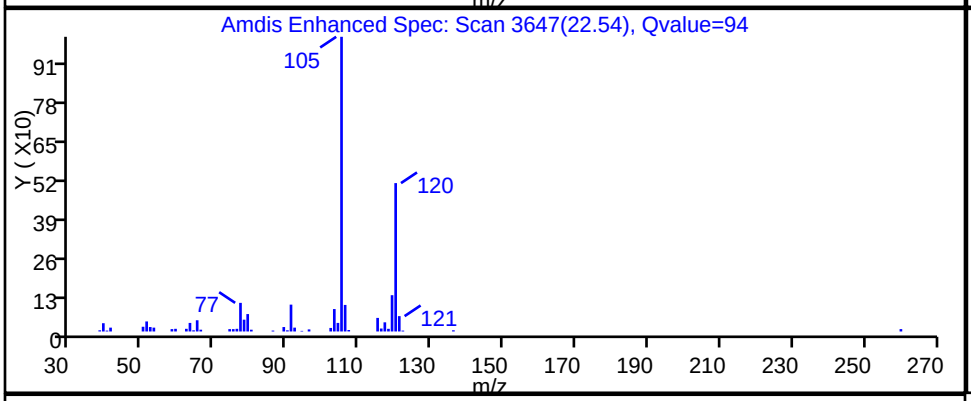
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D

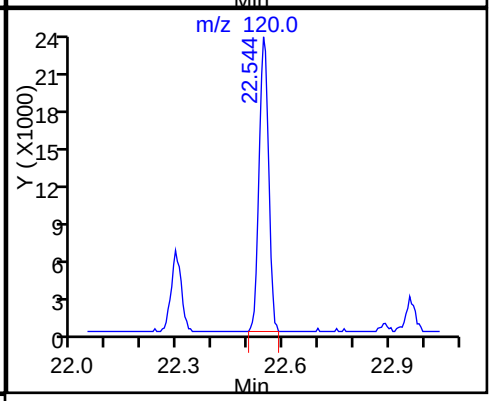
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

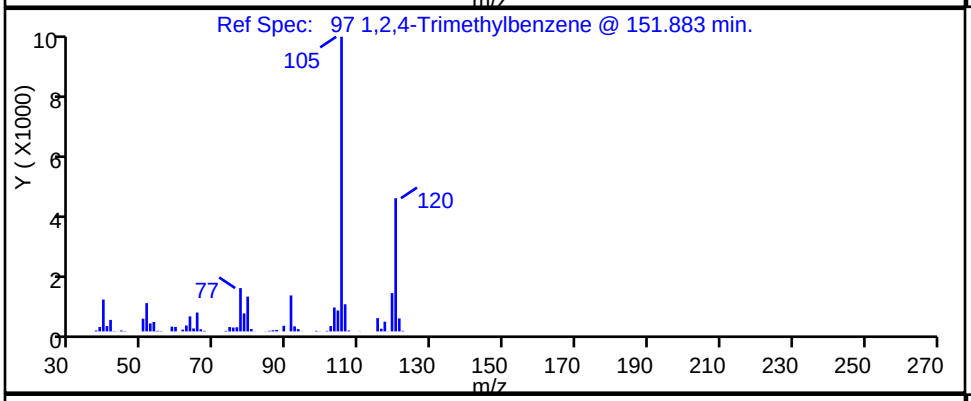
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

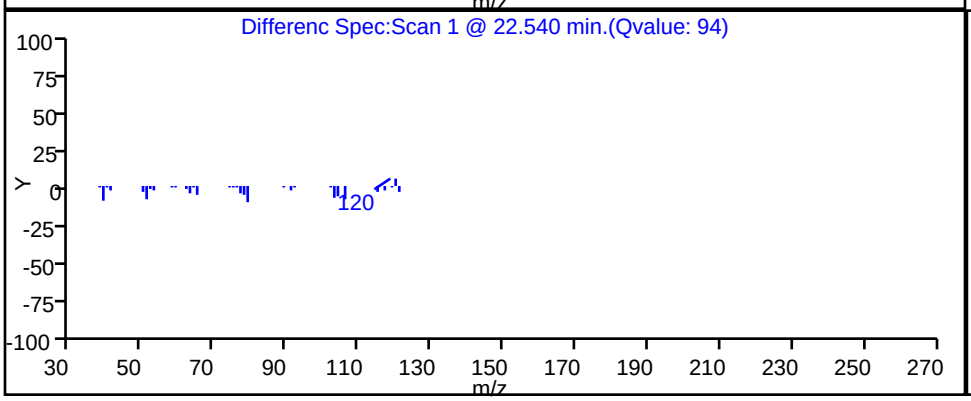


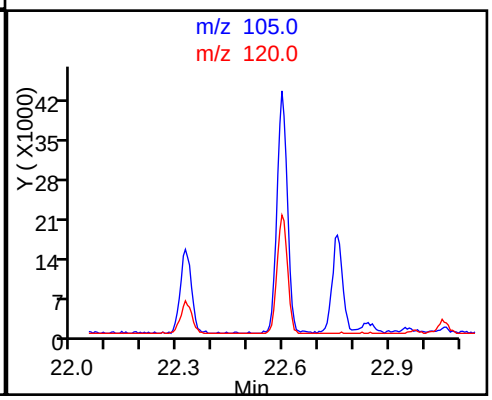












Manual Integration/User Assign Peak Report

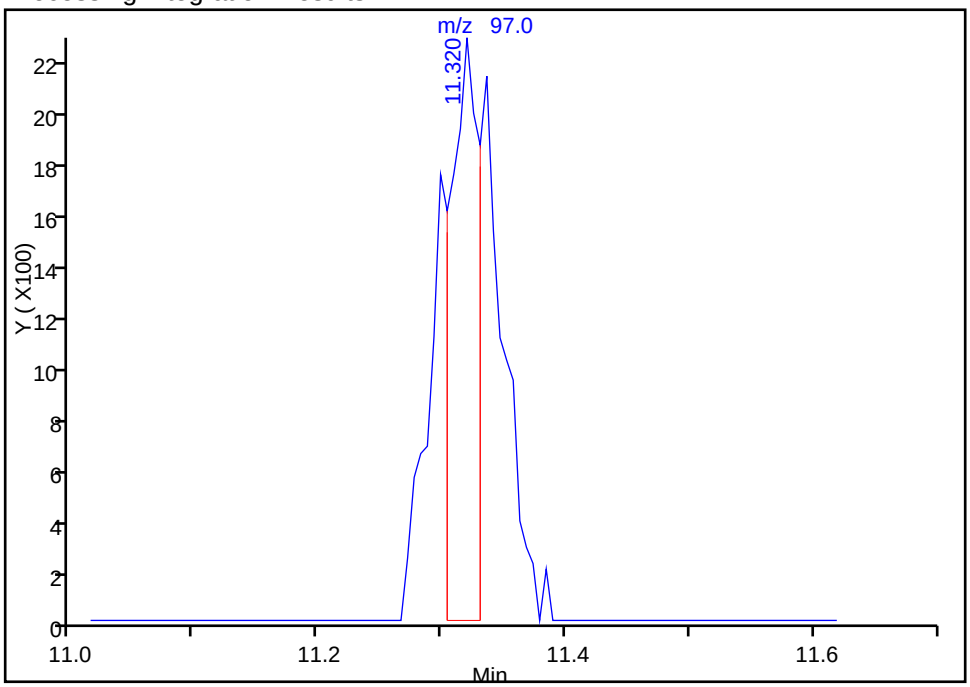
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D				
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

Processing Integration Results

RT: 11.32
Response: 3671
Amount: 0.020532



Manual Integration Results

RT: 11.32
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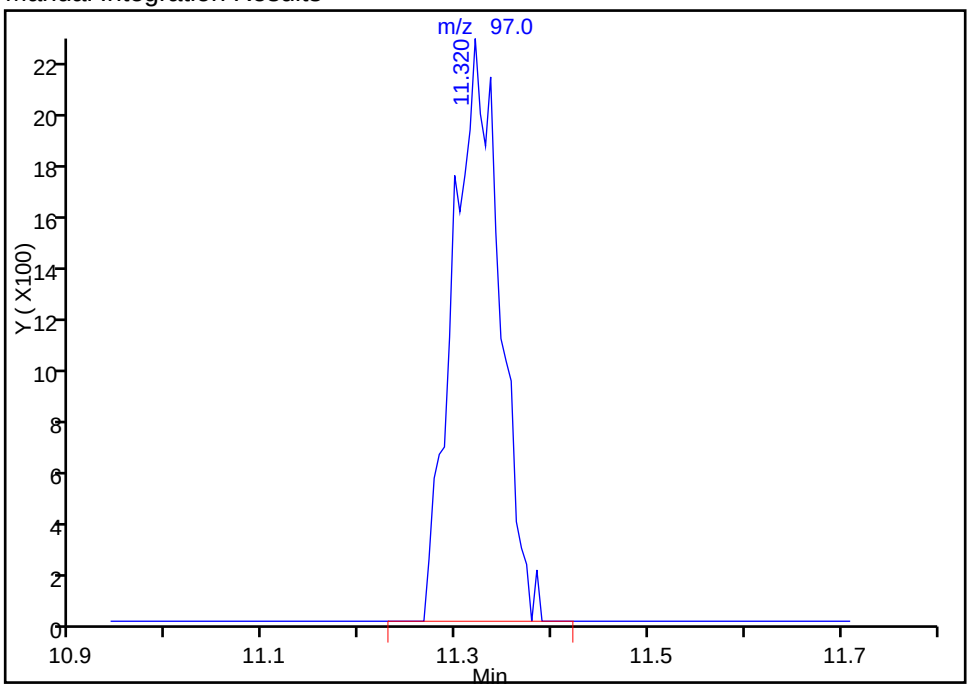


Reviewer: desjardinsb, 14-Apr-2014 08:29:59
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

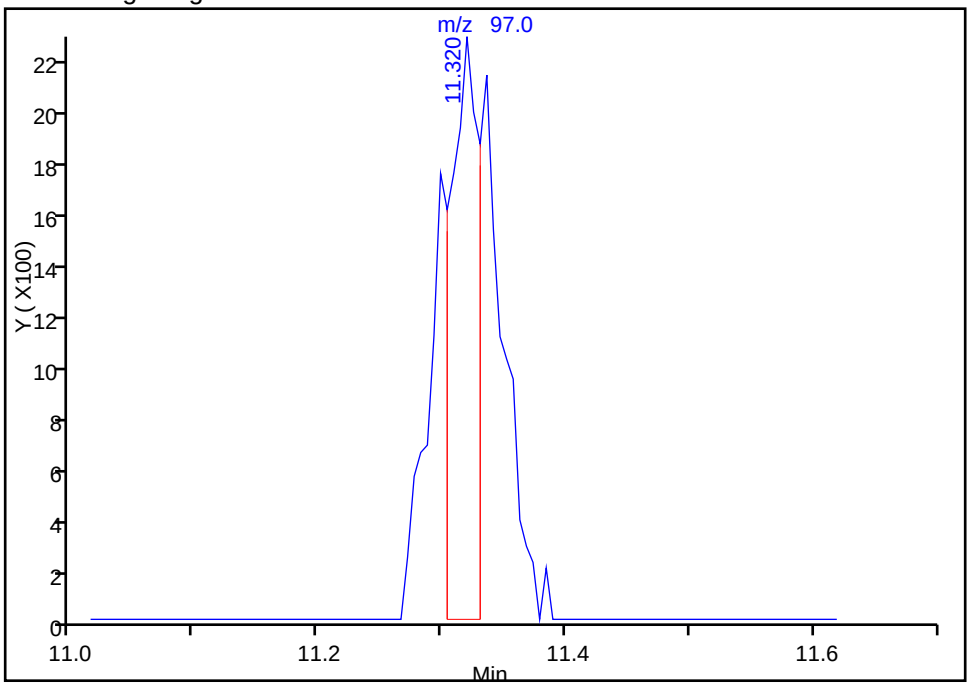
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_20.D				
Injection Date:	12-Apr-2014 04:13:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-9	Lab Sample ID:	200-21727-9		
Client ID:	SDS-6				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

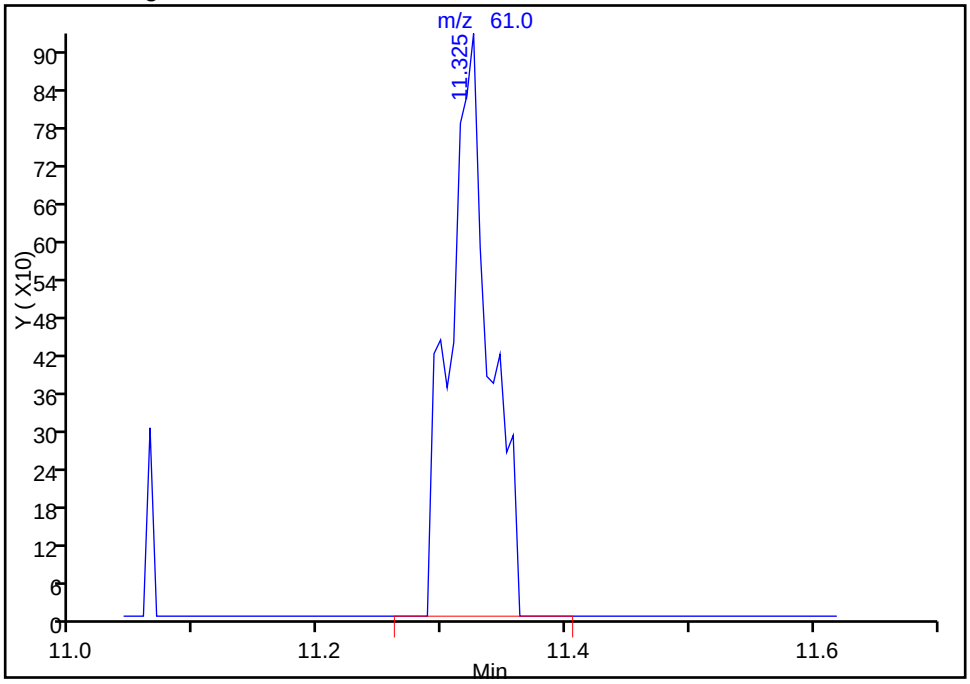
Processing Integration Results

RT: 11.33
Response: 0
Amount: 0.020532



Manual Integration Results

RT: 11.33
Response: 2084
Amount: 0.043620



Reviewer: desjardinsb, 14-Apr-2014 08:29:59
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-5 Lab Sample ID: 200-21727-10

Matrix: Air Lab File ID: 6977_19.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:50

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 05:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.47	J	0.50	0.030
75-45-6	Freon 22	86.47	2.0		0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.34	J	0.50	0.14
106-97-8	n-Butane	58.12	1.4		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.21		0.20	0.030
76-13-1	Freon 113	187.38	0.11	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	10		5.0	1.3
67-63-0	*Isopropyl alcohol*	*60.10*	*140*	*E*	*5.0*	*0.22*
75-15-0	Carbon disulfide	76.14	0.22	J	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	*Methylene Chloride*	*84.93*	*50*	*E*	*0.50*	*0.13*
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	1.9		0.20	0.029
110-54-3	Hexane	86.17	1.3		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.11	J	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	1.2		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.16	J	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	2.1		0.20	0.064
67-66-3	Chloroform	119.38	0.37		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	1.1	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.16	J	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.060		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.18	J	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.86		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-5 Lab Sample ID: 200-21727-10

Matrix: Air Lab File ID: 6977_19.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:50

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 05:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.8		0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.11	J	0.50	0.027
108-88-3	Toluene	92.14	1.4		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.79		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.17	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.42	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.085	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.51		0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-5 Lab Sample ID: 200-21727-10

Matrix: Air Lab File ID: 6977_19.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:50

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 05:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-5 Lab Sample ID: 200-21727-10

Matrix: Air Lab File ID: 6977_19.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:50

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 05:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.3	J	2.5	0.15
75-45-6	Freon 22	86.47	7.2		1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	0.70	J	1.0	0.28
106-97-8	n-Butane	58.12	3.3		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.2		1.1	0.17
76-13-1	Freon 113	187.38	0.87	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	24		12	3.0
67-63-0	*Isopropyl alcohol*	*60.10*	*340*	*E*	*12*	*0.53*
75-15-0	Carbon disulfide	76.14	0.67	J	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	*Methylene Chloride*	*84.93*	*180*	*E*	*1.7*	*0.43*
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	7.6		0.79	0.11
110-54-3	Hexane	86.17	4.7		0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.46	J	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	3.6		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.62	J	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	8.2		0.79	0.25
67-66-3	Chloroform	119.38	1.8		0.98	0.12
109-99-9	Tetrahydrofuran	72.11	3.4	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	0.85	J	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.38		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.56	J	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	3.5		0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-5 Lab Sample ID: 200-21727-10

Matrix: Air Lab File ID: 6977_19.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:50

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 05:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	9.8		0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.44	J	2.0	0.11
108-88-3	Toluene	92.14	5.4		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	5.4		1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.74	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	1.8	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.37	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	2.2		0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-5 Lab Sample ID: 200-21727-10

Matrix: Air Lab File ID: 6977_19.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:50

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 05:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D
Lims ID: 200-21727-A-10 Lab Sample ID: 200-21727-10
Client ID: SDS-5
Sample Type: Client
Inject. Date: 11-Apr-2014 05:03:30 ALS Bottle#: 16 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006977-019
Misc. Info.: 21727-10
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 11:39:32 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 11:39:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.250	3.256	-0.006	98	63684	0.4702	
6 Chlorodifluoromethane	51	3.309	3.315	-0.006	77	93250	2.05	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50	3.693	3.699	-0.006	91	7549	0.3371	
9 Butane	43	3.912	3.912	0.000	93	49582	1.39	
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.049					
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101	5.567	5.567	0.000	80	34562	0.2060	
23 1,1,2-Trichloro-1,2,2-trif	101	6.703	6.714	-0.011	78	11504	0.1136	
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43	7.024	7.034	-0.010	88	395486	10.1	
26 Carbon disulfide	76	7.136	7.141	-0.005	87	20806	0.2160	
27 Isopropyl alcohol	45	7.355	7.355	-0.001	98	3976768	138.8	E
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.888	7.894	-0.006	76	1421820	50.4	E
32 2-Methyl-2-propanol	59		8.155					
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61	8.336	8.342	-0.006	84	90458	1.93	
36 Hexane	57	8.731	8.732	-0.001	87	60149	1.34	
37 1,1-Dichloroethane	63	9.249	9.260	-0.011	61	7543	0.1125	
S 41 1,2-Dichloroethene, Total	61				0		2.08	
39 cis-1,2-Dichloroethene	96	10.423	10.418	0.005	65	9222	0.1552	
40 2-Butanone (MEK)	72	10.498	10.498	0.000	95	27376	1.23	
* 43 Chlorobromomethane	128	10.904	10.909	-0.005	64	525760	10.0	
44 Tetrahydrofuran	42	10.930	10.925	0.005	62	32170	1.15	
45 Chloroform	83	11.048	11.048	0.000	95	45741	0.3707	
46 Cyclohexane	84		11.283					
47 1,1,1-Trichloroethane	97	11.320	11.325	-0.005	47	24163	0.1562	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.576	11.581	-0.005	69	11258	0.0597	
51 Isooctane	57		12.035					
50 Benzene	78	12.078	12.083	-0.005	73	29199	0.1768	
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43	12.446	12.451	-0.005	81	55236	0.8595	
* 54 1,4-Difluorobenzene	114	12.974	12.980	-0.006	91	2783447	10.0	
56 Trichloroethene	95	13.449	13.460	-0.011	93	185603	1.83	
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69		14.234					
60 1,4-Dioxane	88		14.303					
62 Dichlorobromomethane	83		14.629					
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43	15.888	15.894	-0.006	80	9814	0.1062	
66 Toluene	92	16.176	16.182	-0.006	95	224610	1.43	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166	17.265	17.265	0.000	89	160095	0.7933	
73 2-Hexanone	43		17.639					
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	81	2748436	10.0	
77 Chlorobenzene	112		19.181					
78 Ethylbenzene	91	19.325	19.325	0.000	92	63123	0.1708	
81 m-Xylene & p-Xylene	106	19.571	19.576	-0.005	99	67391	0.4226	
S 82 Xylenes, Total	106				0		0.5072	
83 o-Xylene	106	20.382	20.387	-0.005	87	13175	0.0845	
84 Styrene	104		20.435					
85 Bromoform	173		20.836					
$ 87 4-Bromofluorobenzene	95	21.375	21.375	0.000	95	1780208	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91		21.706					
91 4-Ethyltoluene	105		21.882					
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105		21.983					
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105	22.549	22.549	0.000	5	3617	0.008626	
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119		22.965					
100 1,3-Dichlorobenzene	146		23.008					
101 1,4-Dichlorobenzene	146		23.141					
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
105 1,2-Dichlorobenzene	146		23.696					
107 1,2,4-Trichlorobenzene	180		26.322					
108 Hexachlorobutadiene	225		26.509					
109 Naphthalene	128		26.850					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

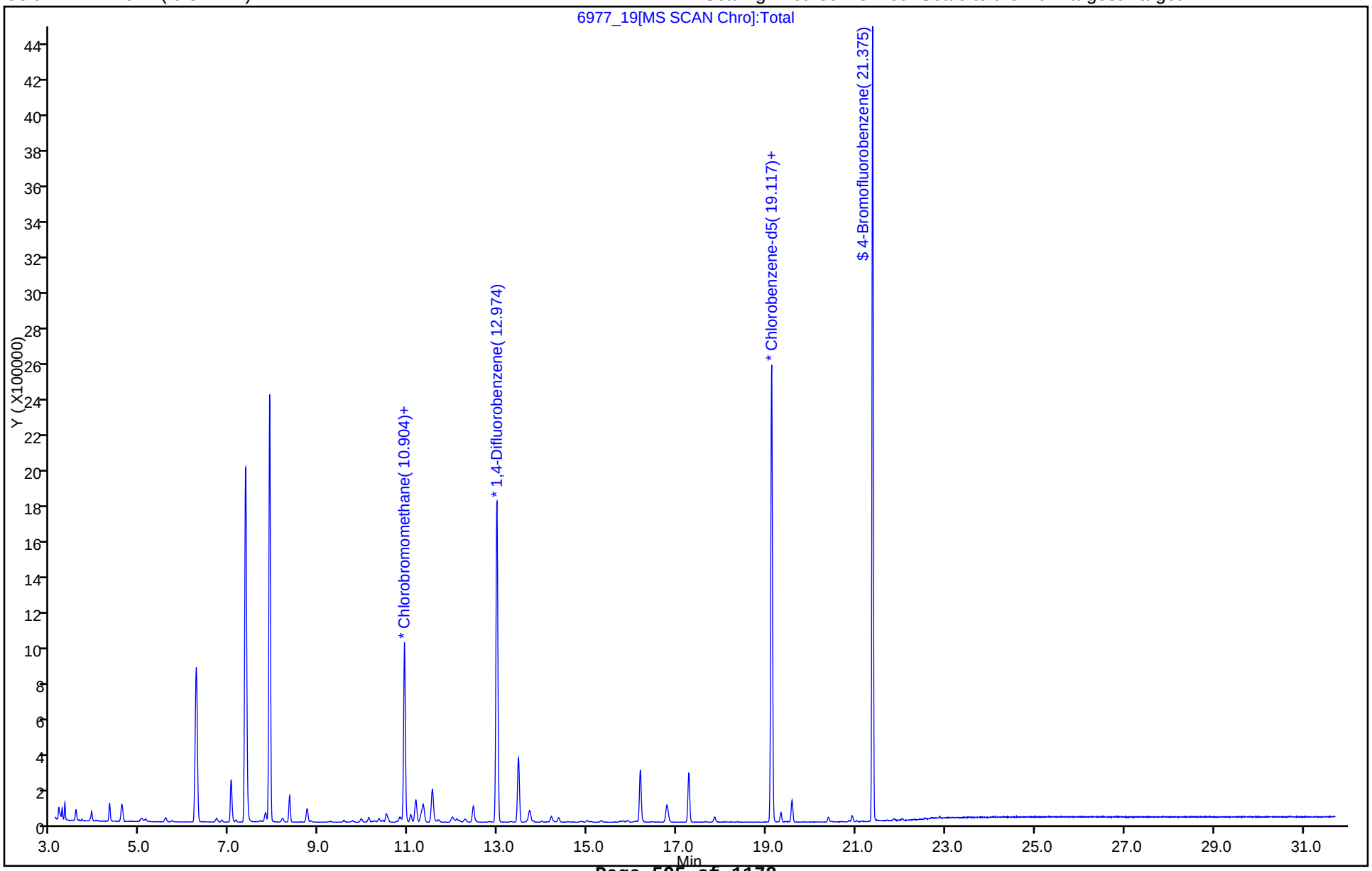
Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10	Worklist Smp#:	19
Client ID:	SDS-5				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

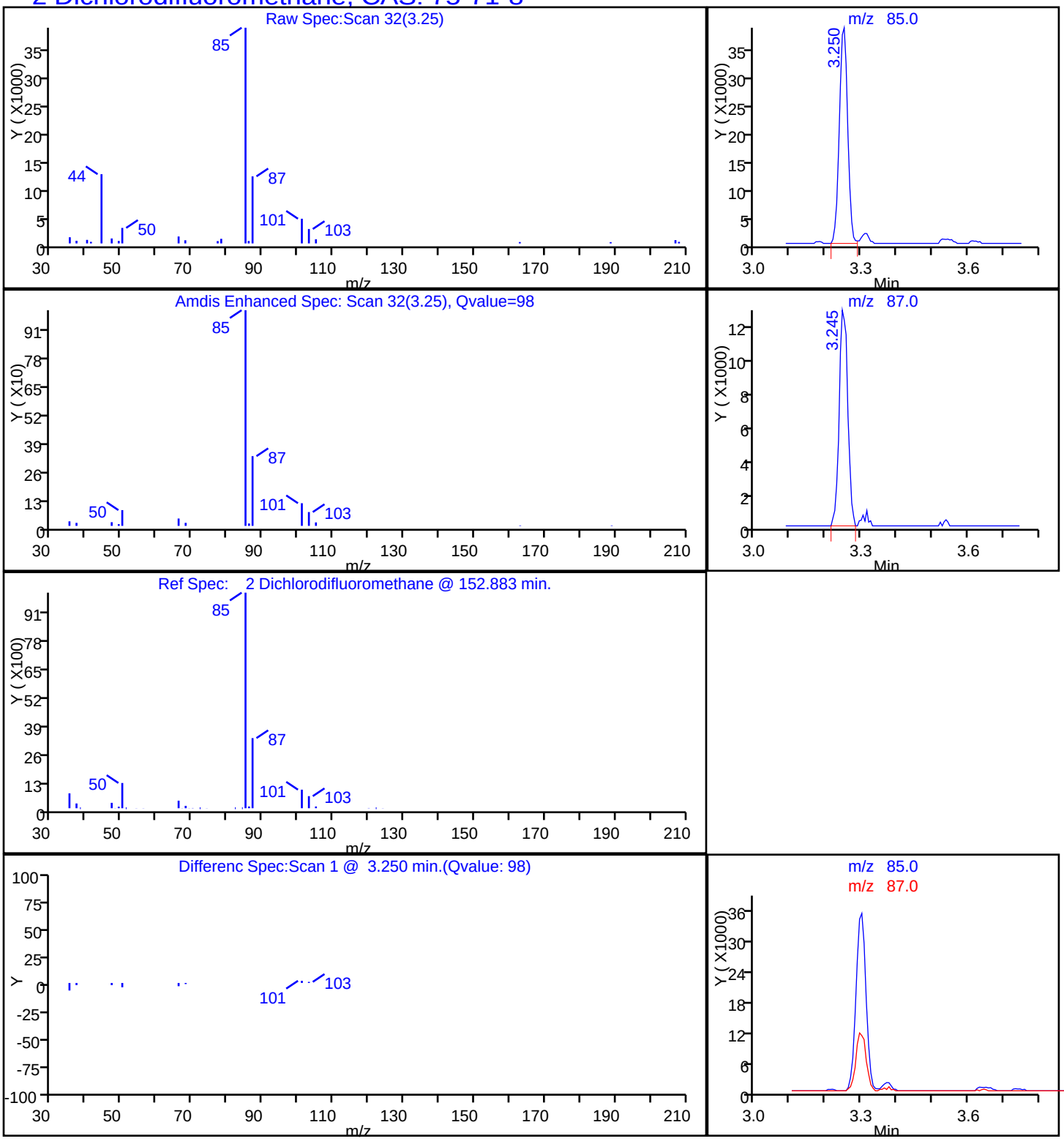


Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D				
Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8



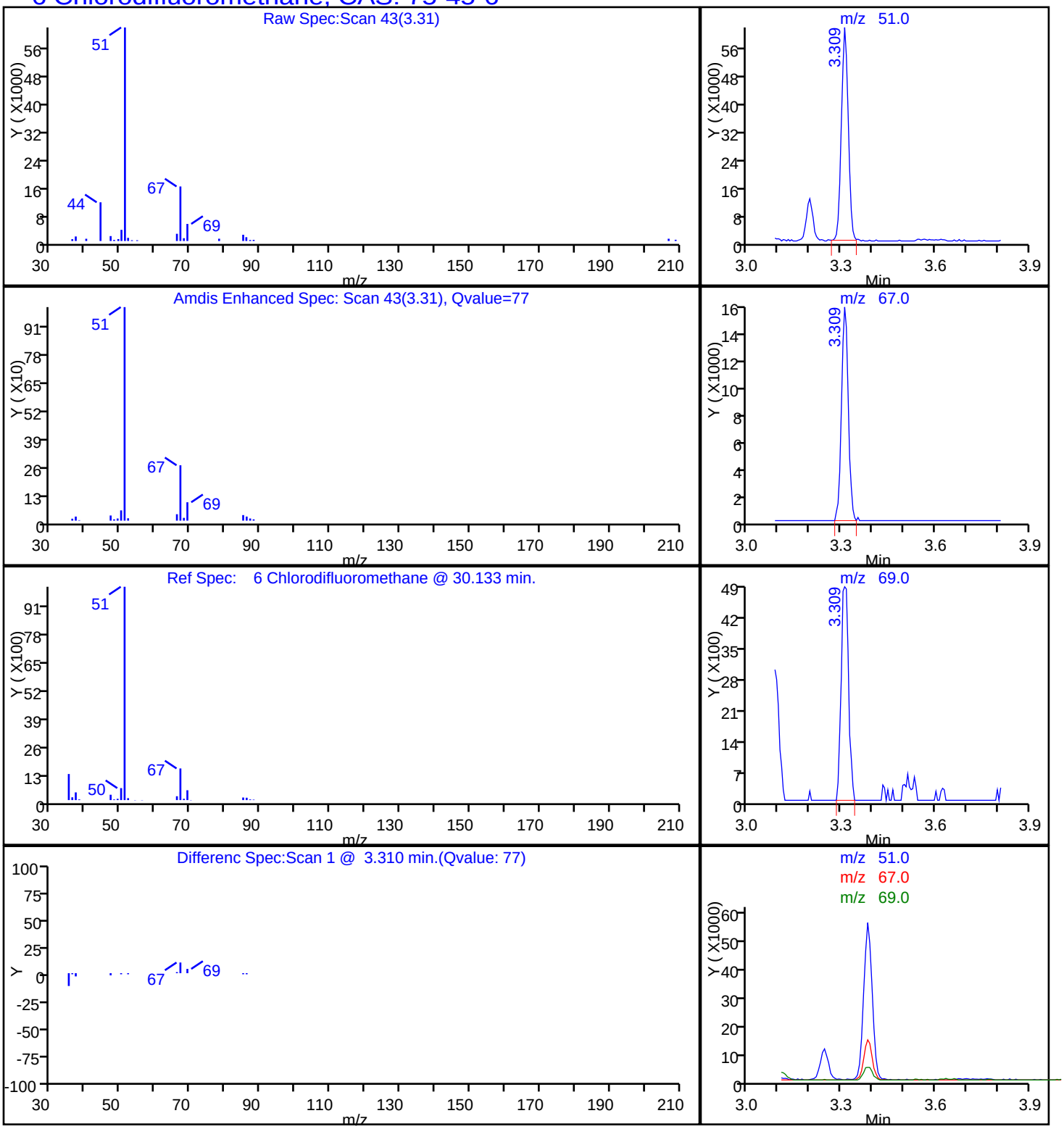
Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



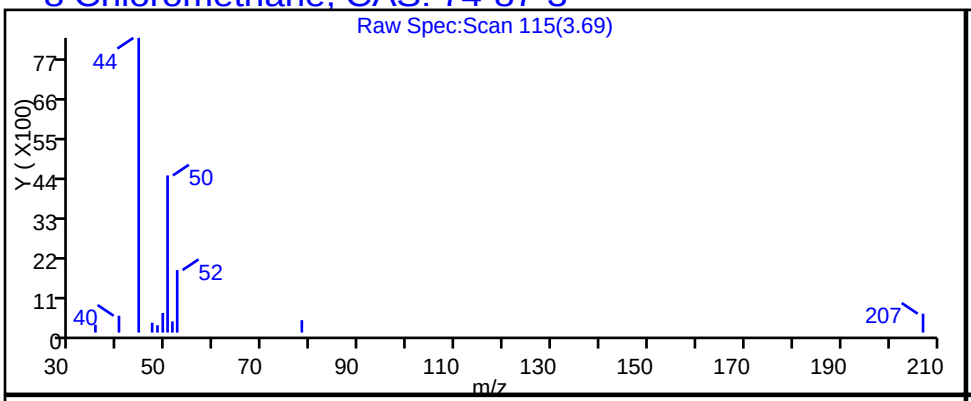
Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

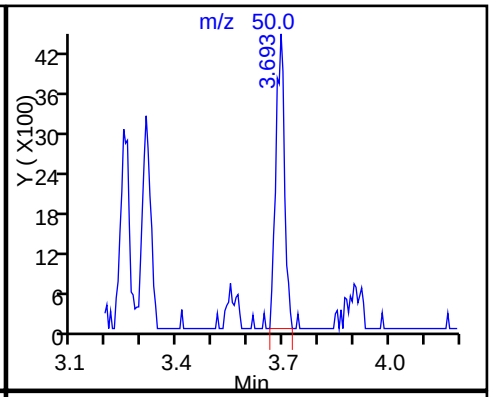
TestAmerica Burlington

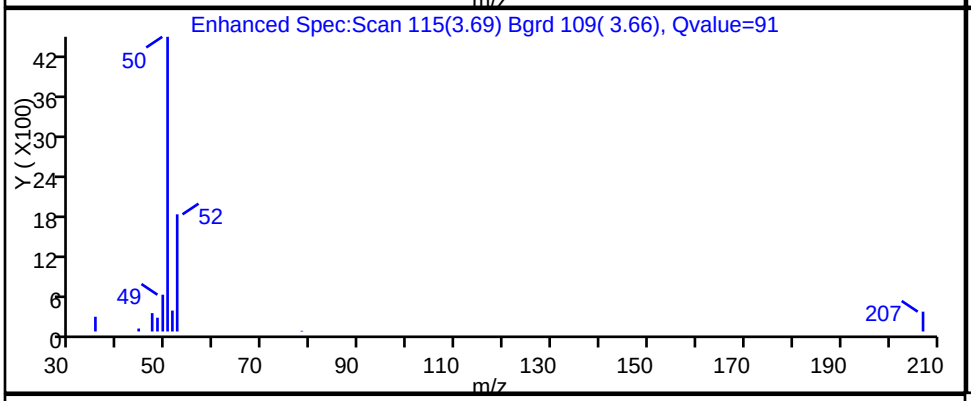
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

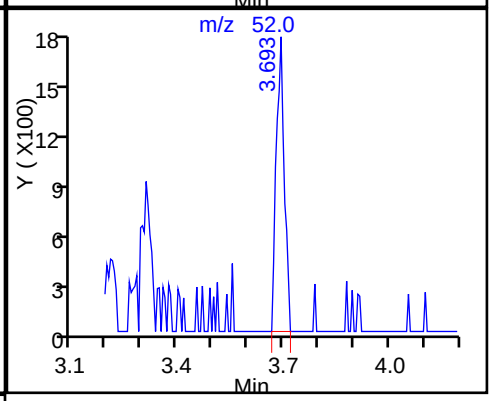
Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

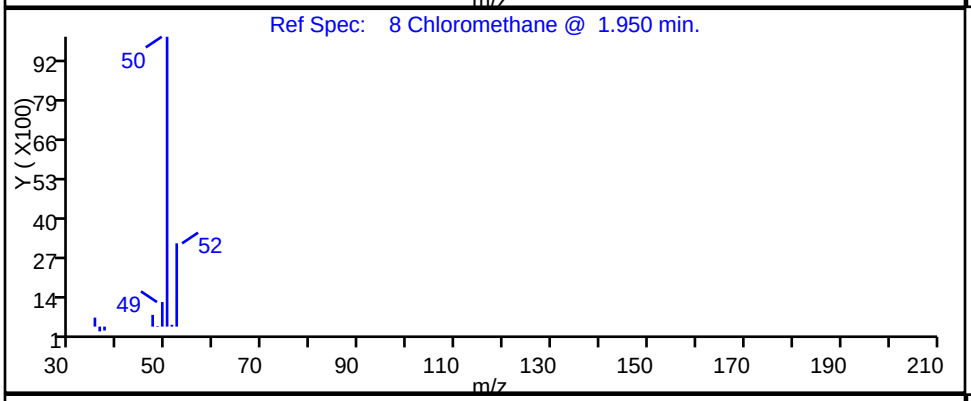
8 Chloromethane, CAS: 74-87-3

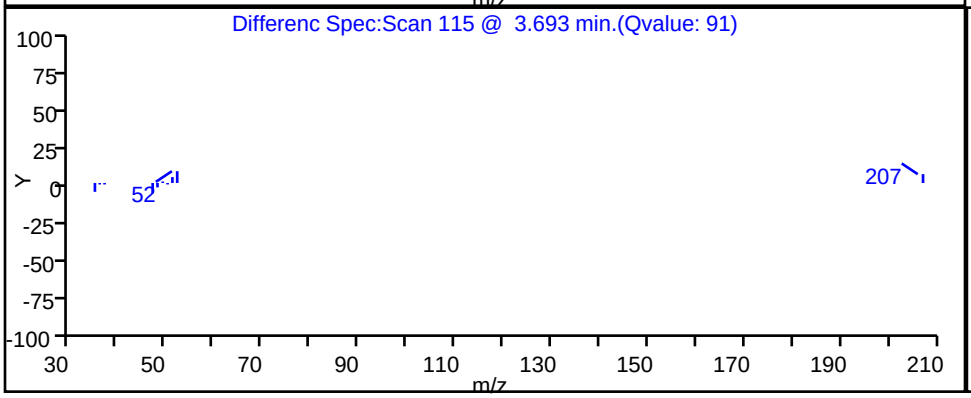


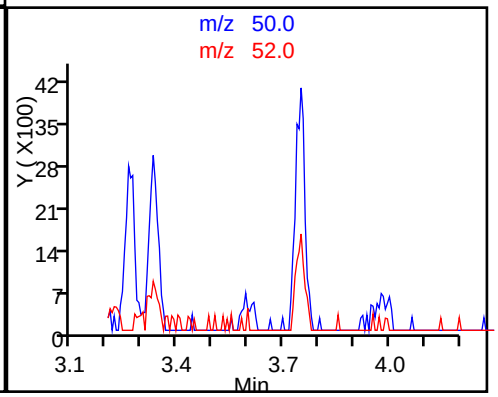












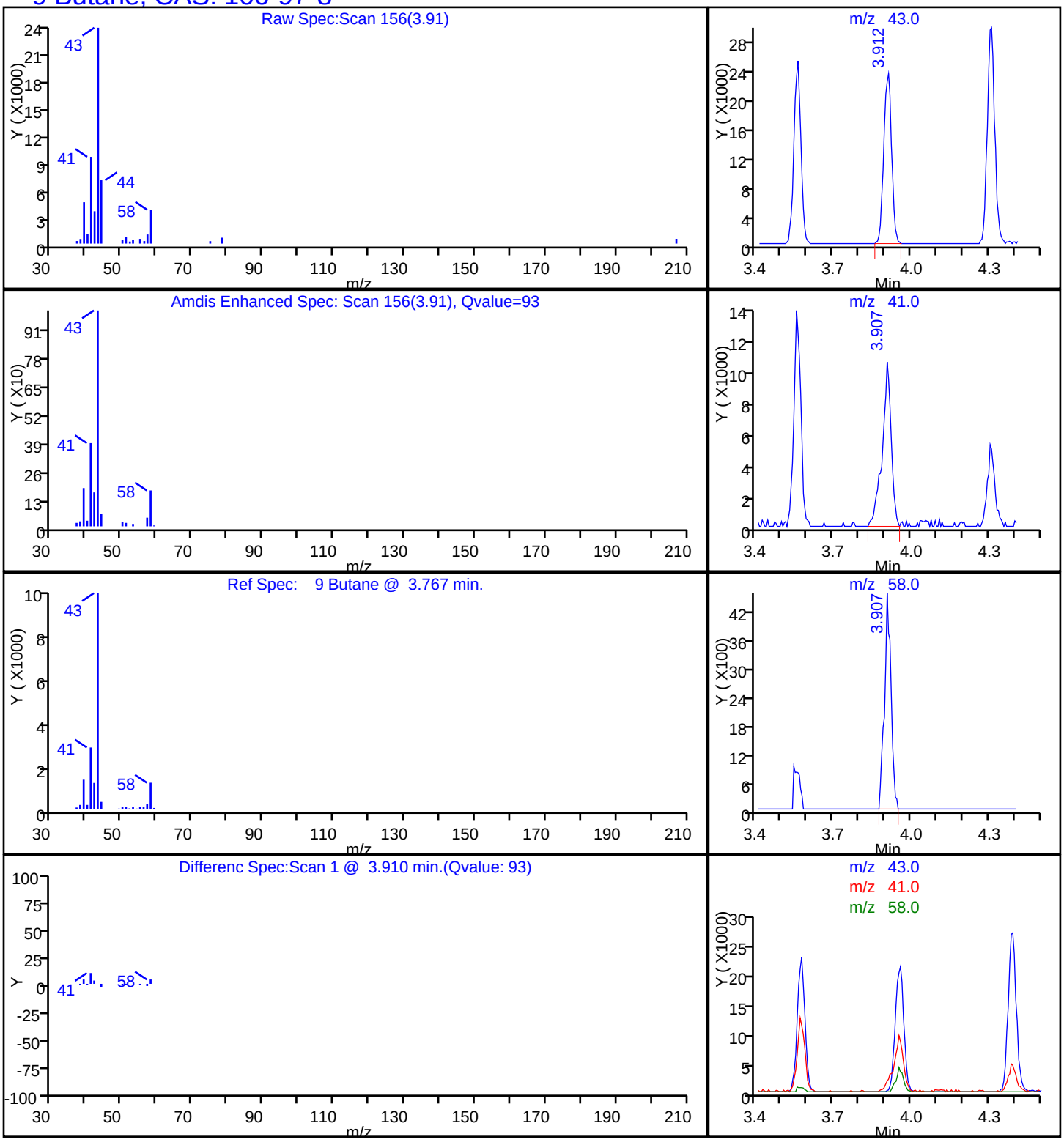
Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



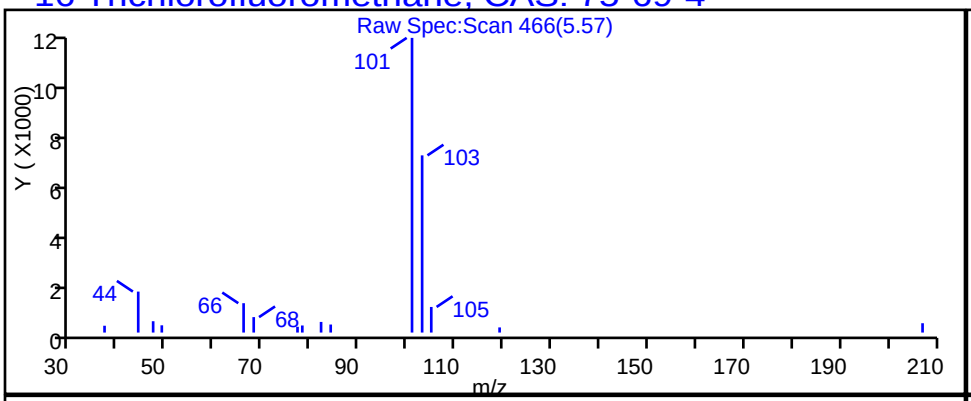
Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

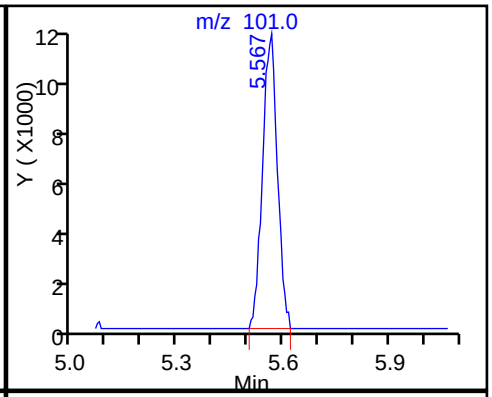
TestAmerica Burlington

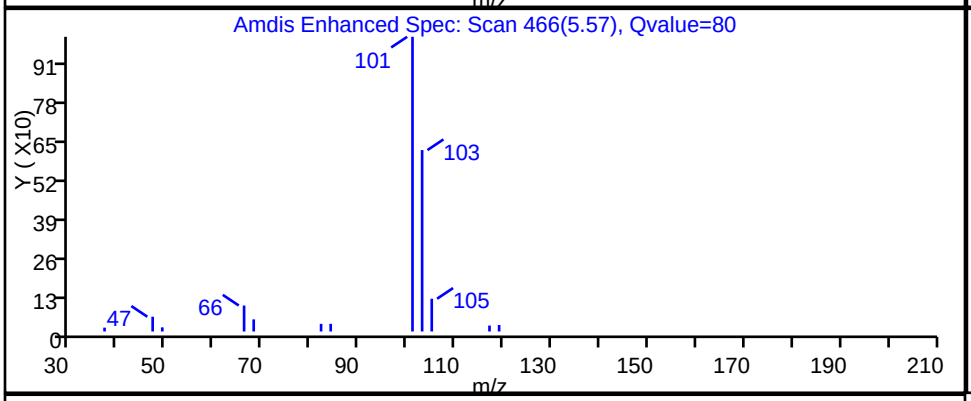
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

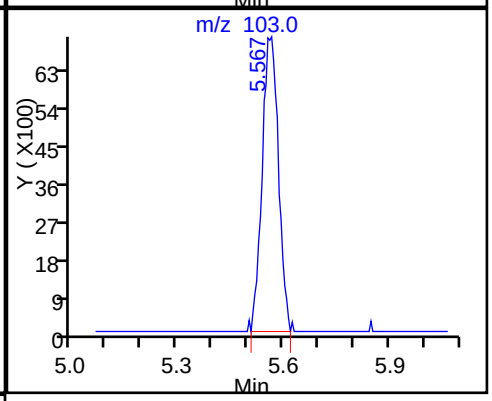
Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

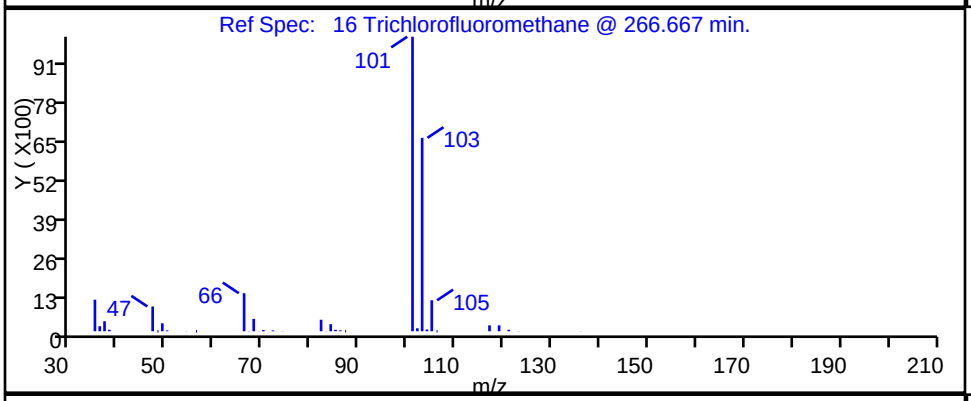
16 Trichlorofluoromethane, CAS: 75-69-4

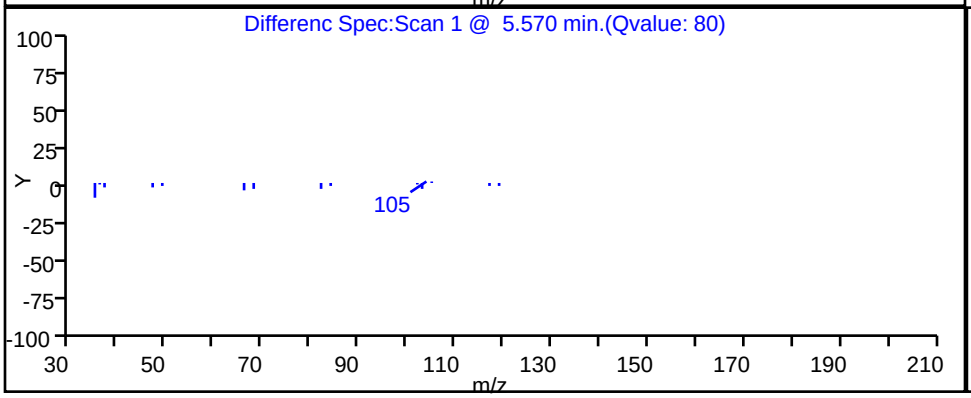


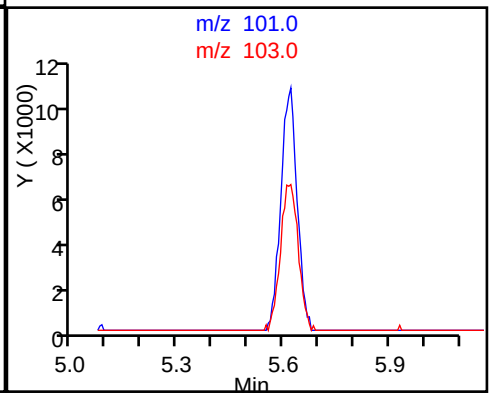












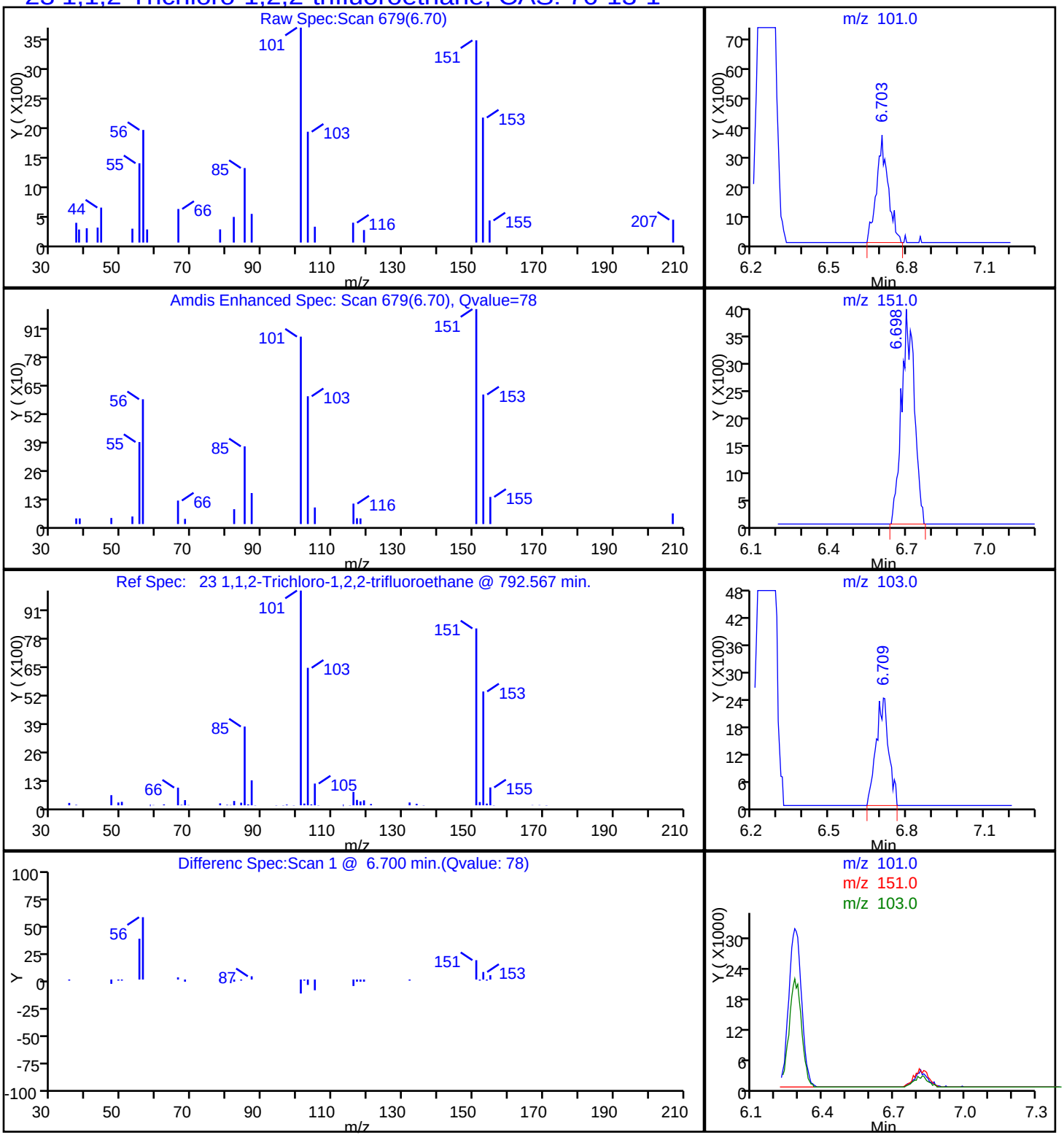
Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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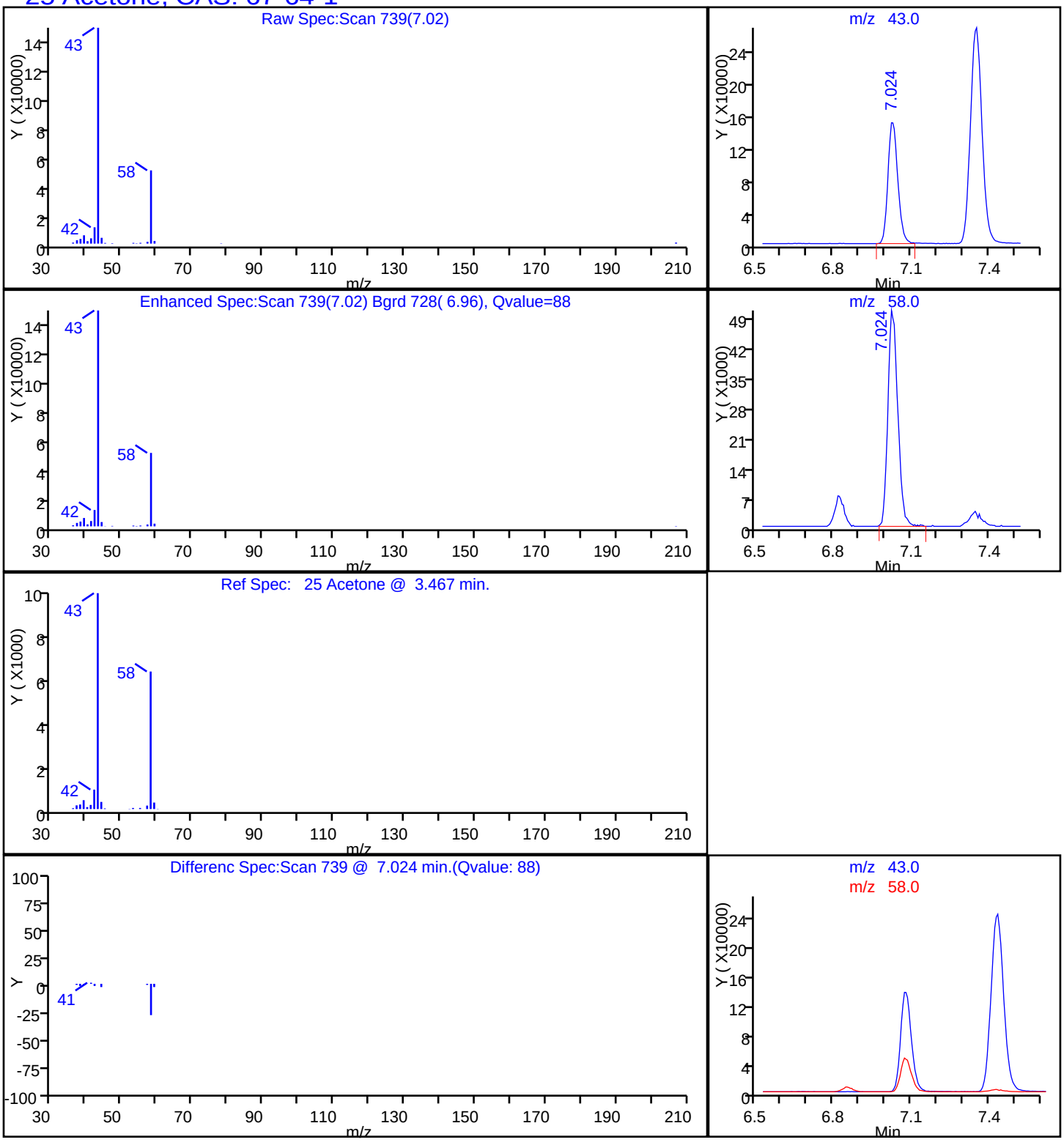
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



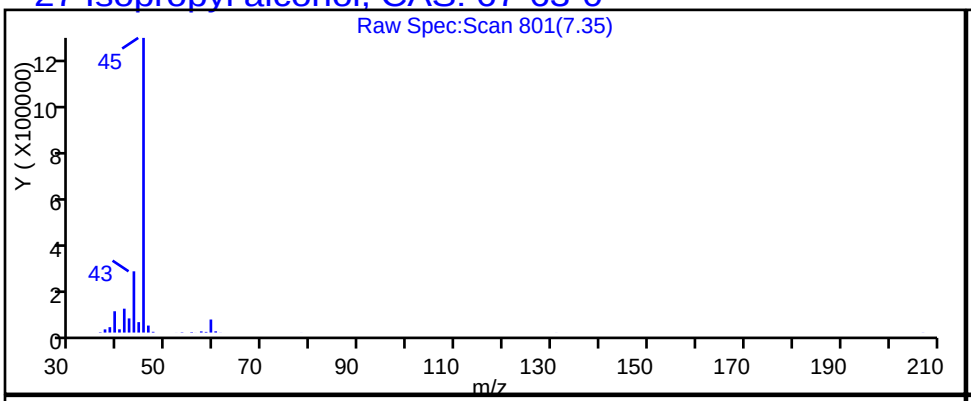
Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

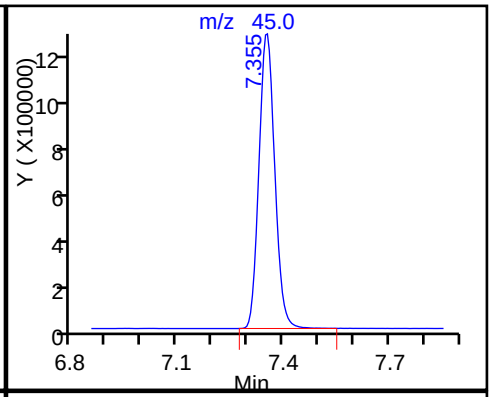
TestAmerica Burlington

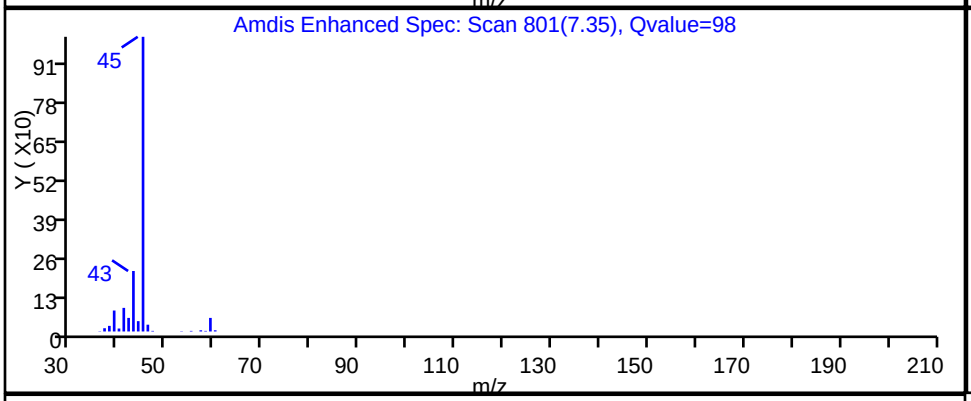
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

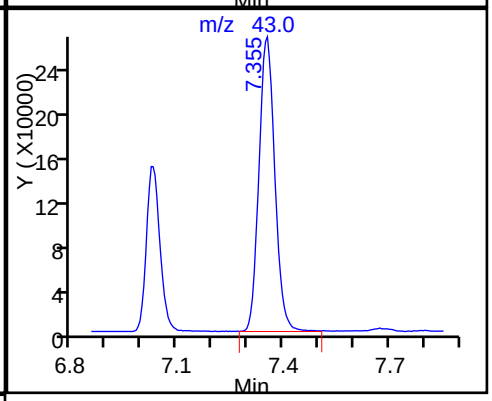
Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

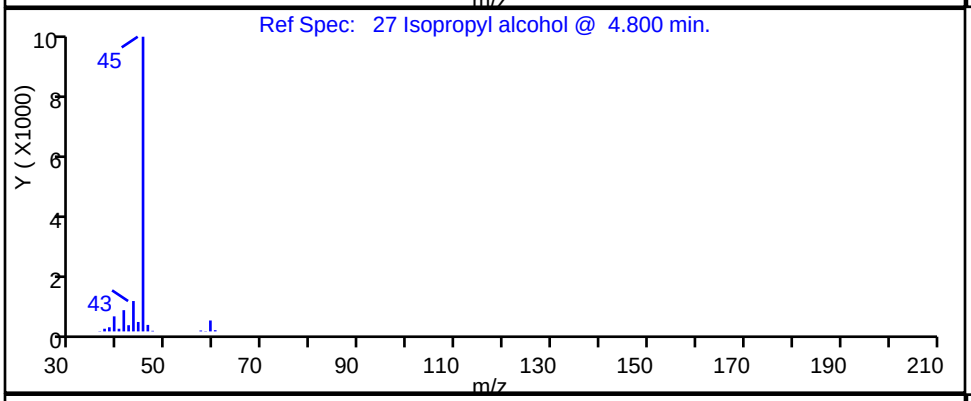
27 Isopropyl alcohol, CAS: 67-63-0

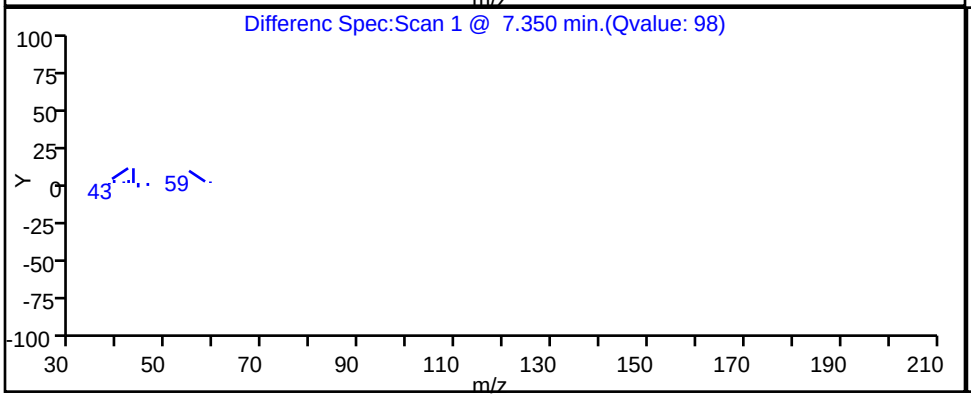


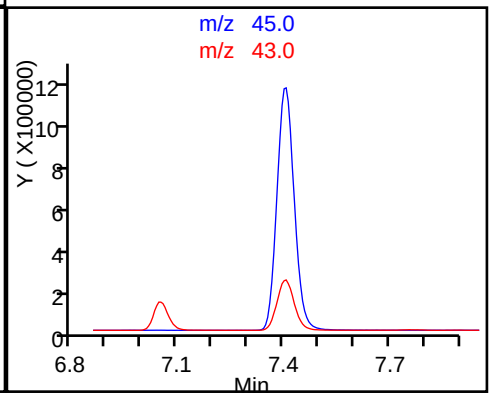










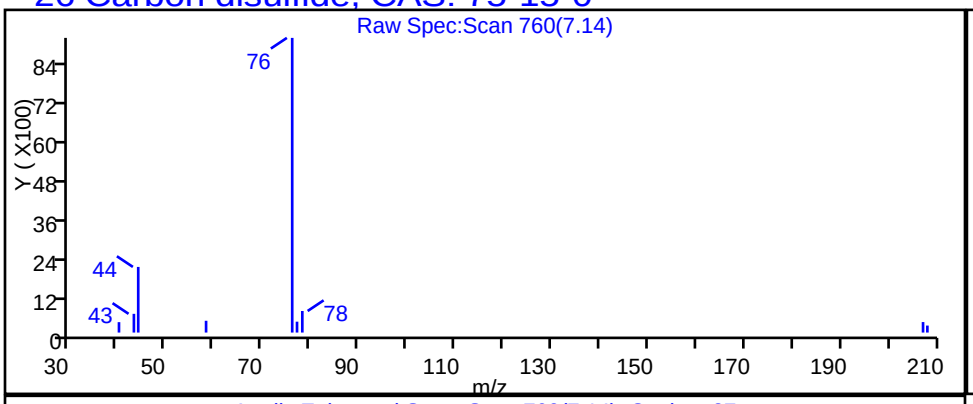


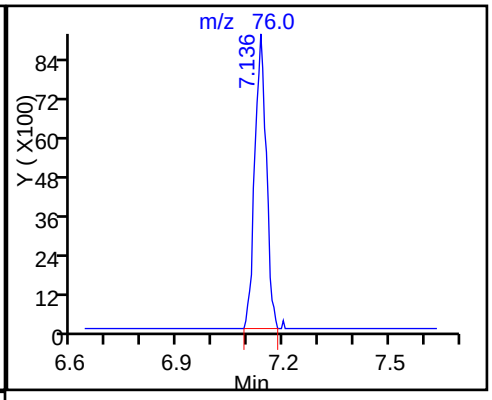
Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

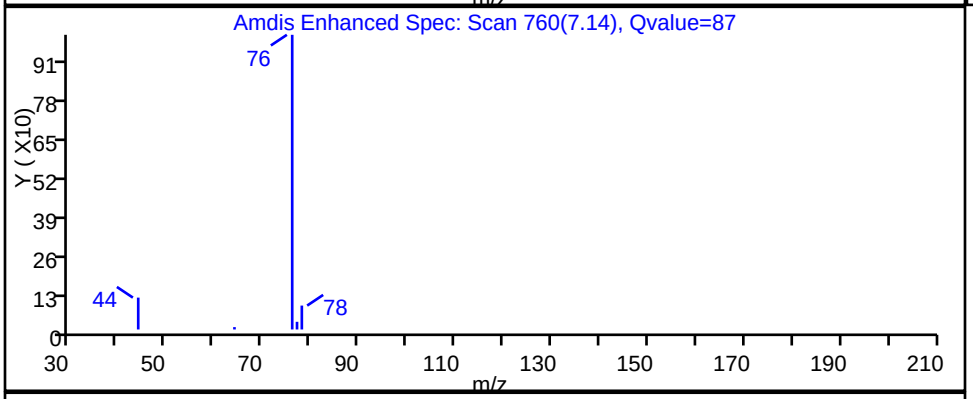
TestAmerica Burlington

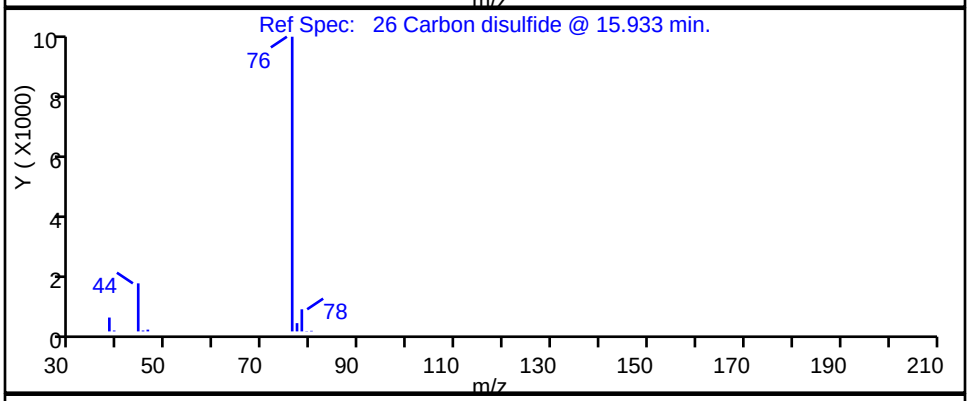
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D				
Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

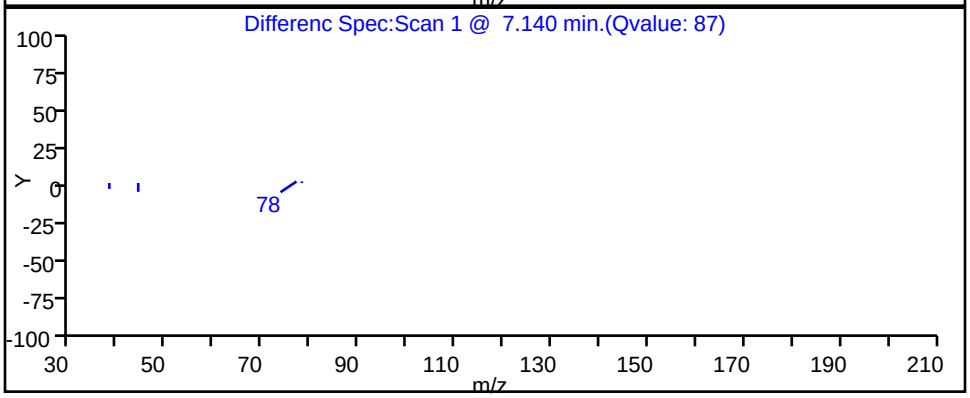
26 Carbon disulfide, CAS: 75-15-0











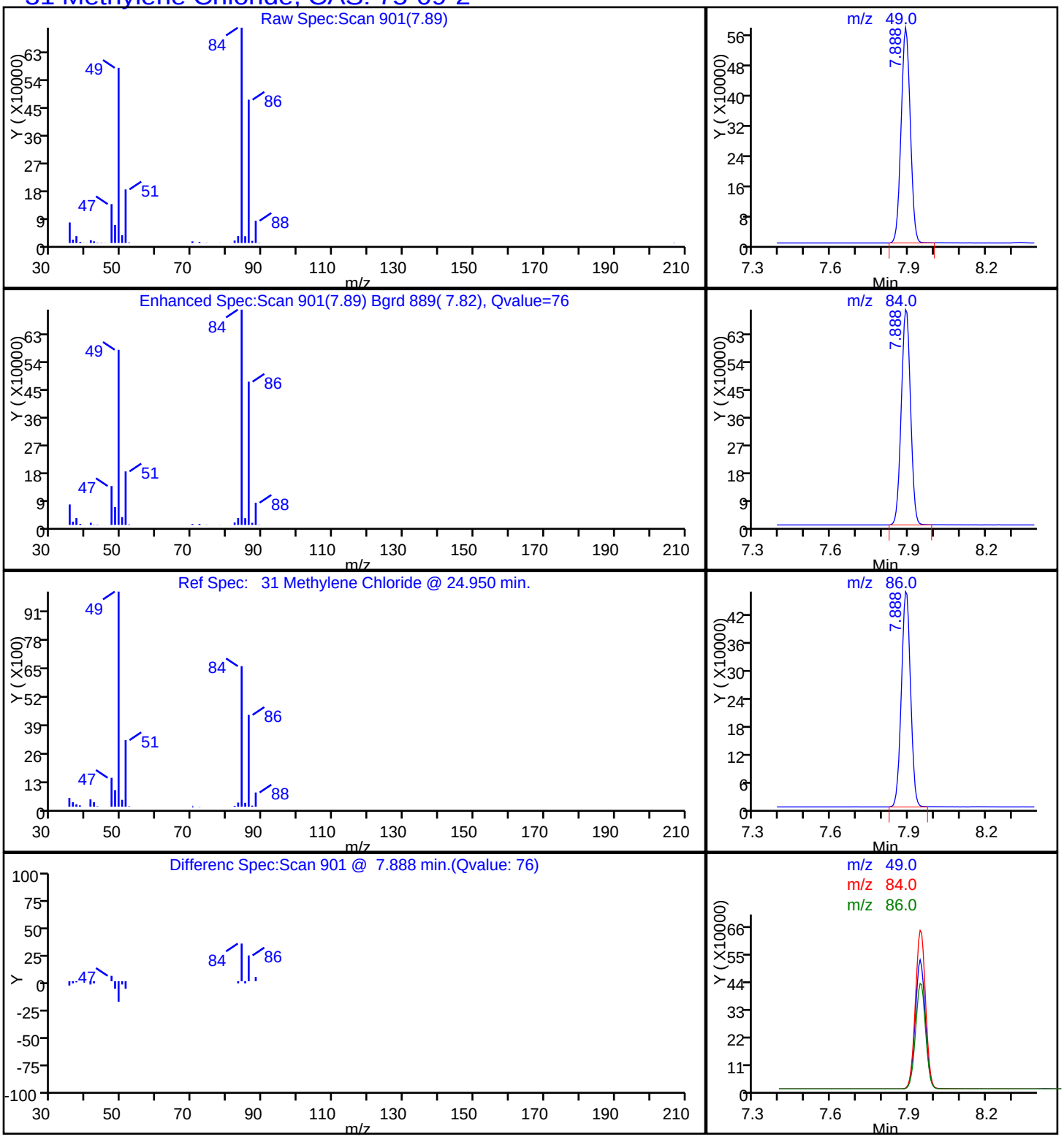
Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



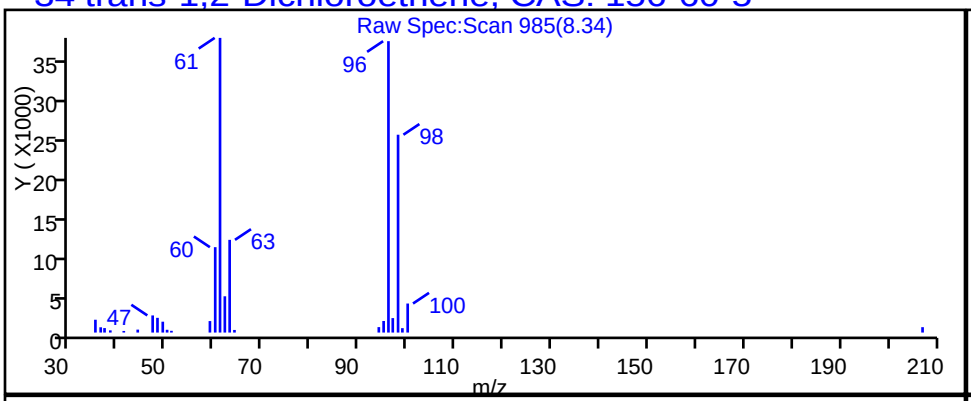
Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

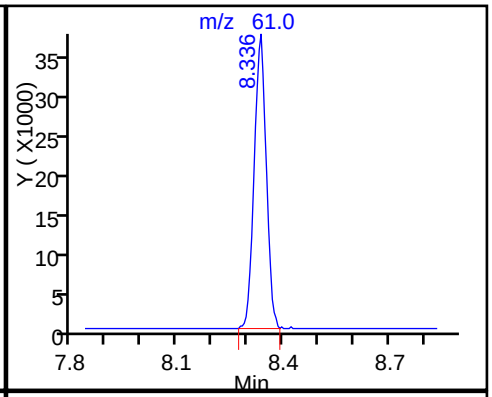
TestAmerica Burlington

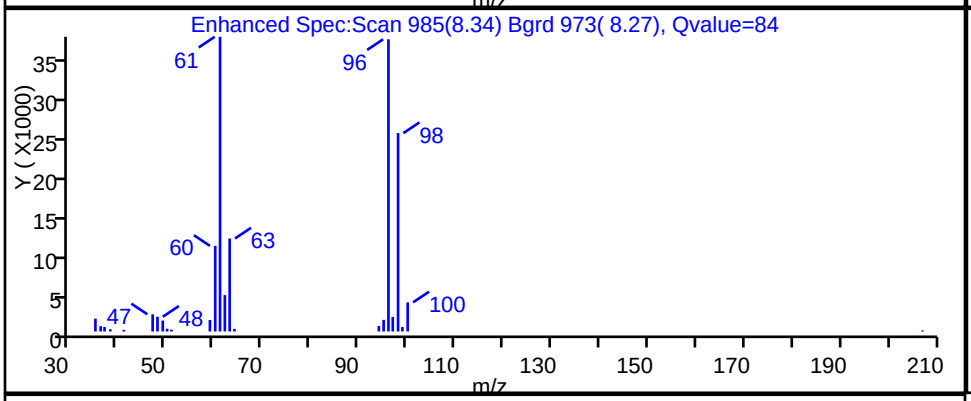
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

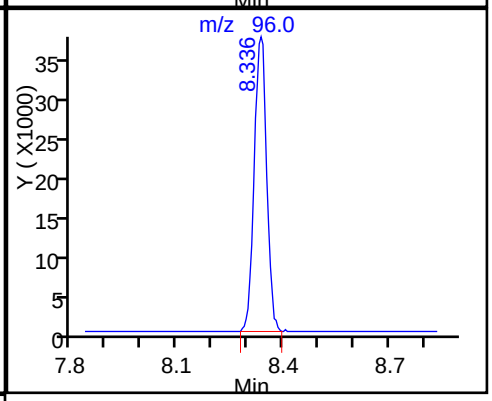
Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

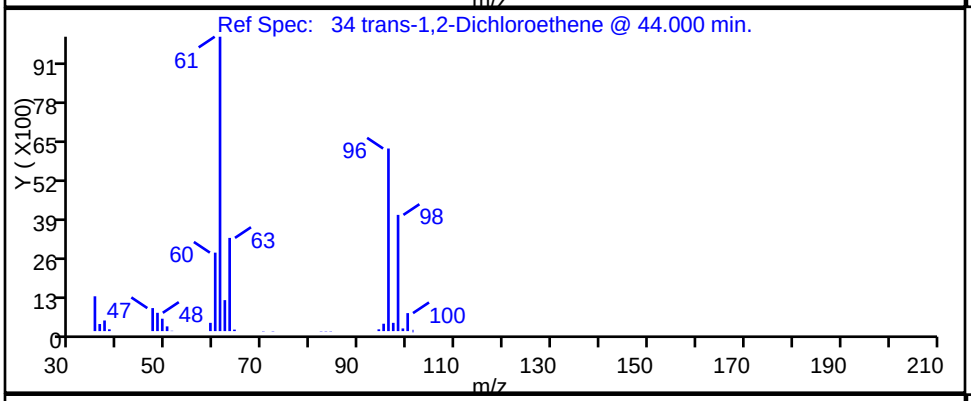
34 trans-1,2-Dichloroethene, CAS: 156-60-5

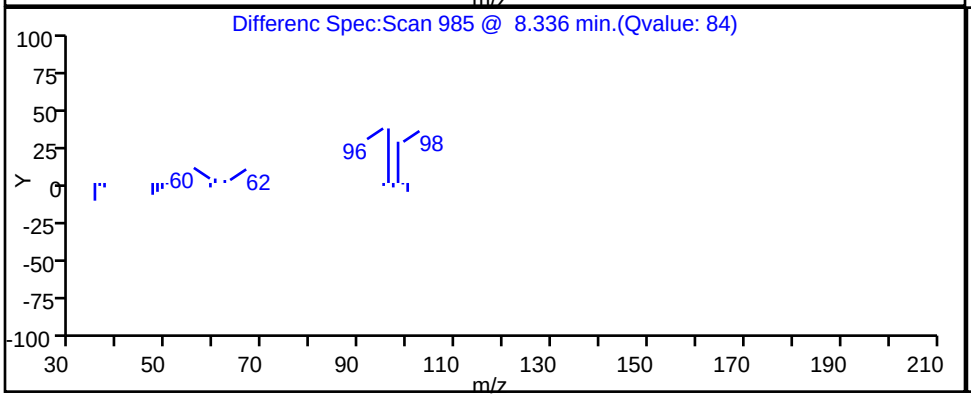


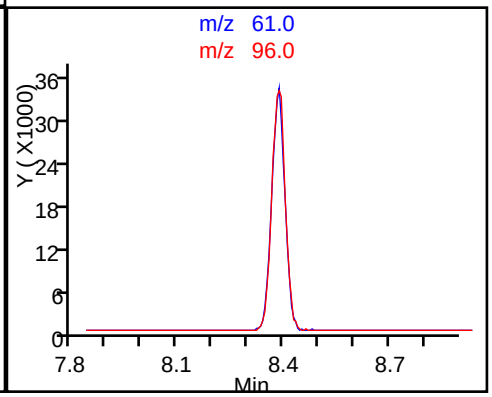












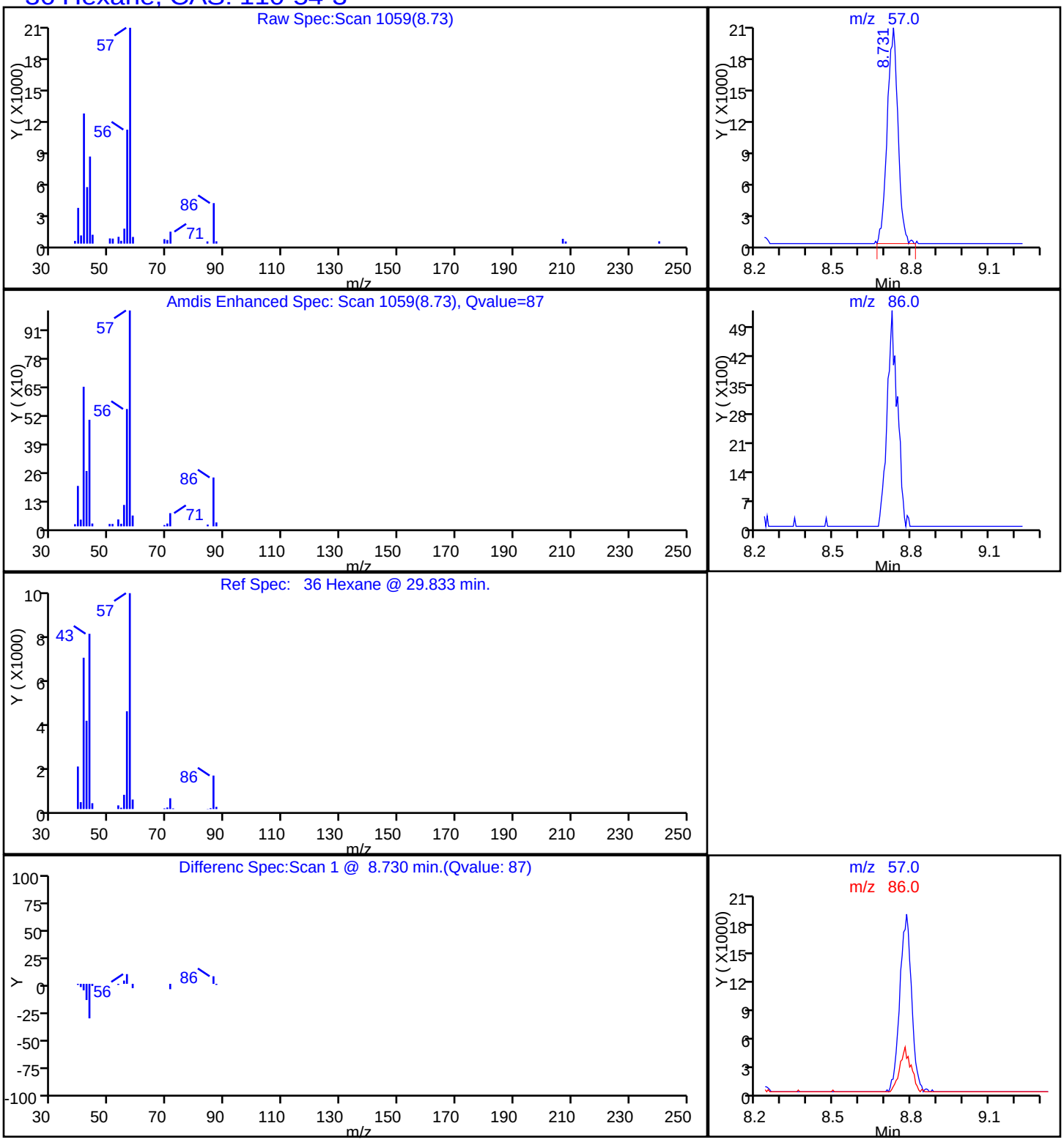
Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



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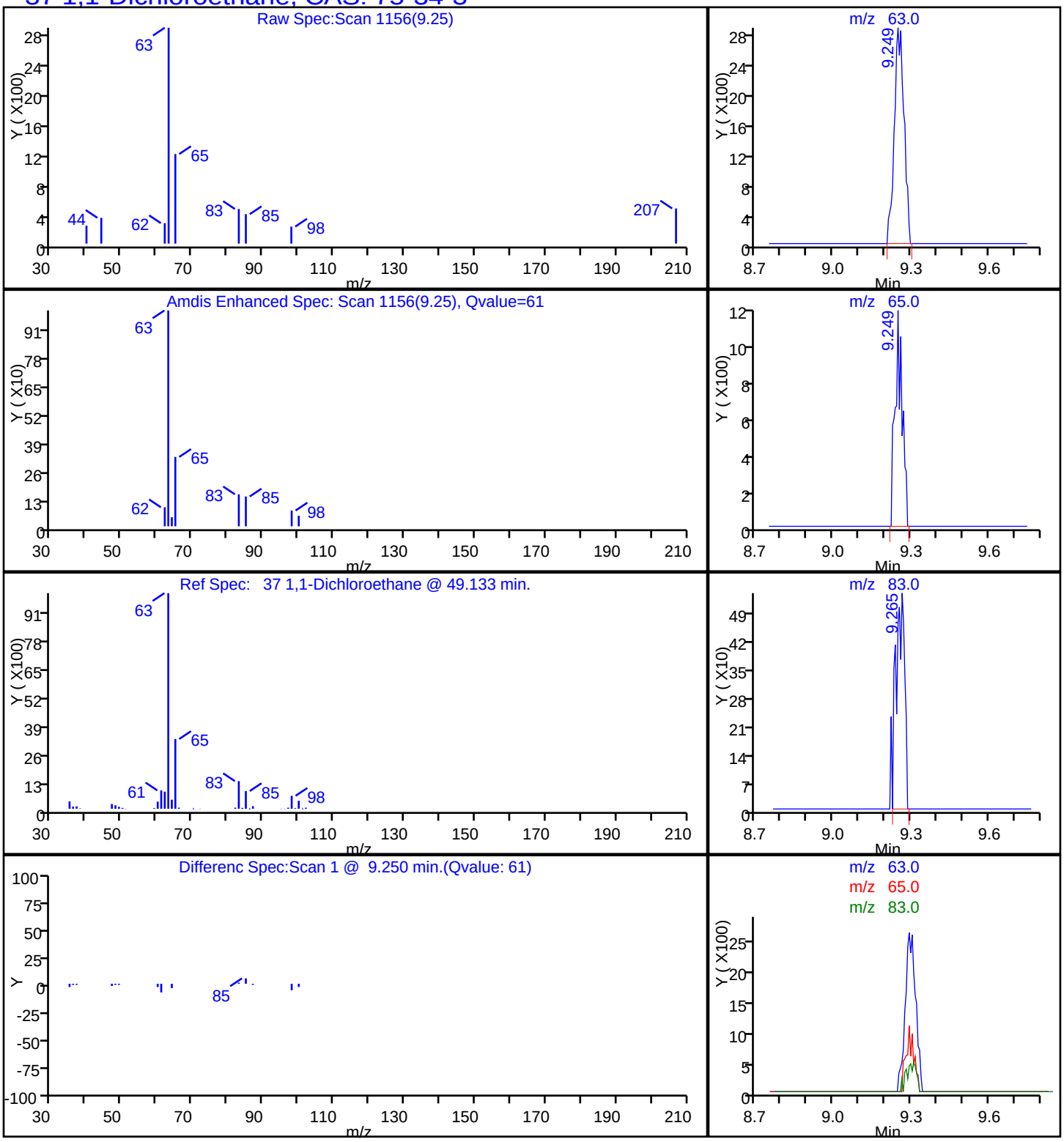
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



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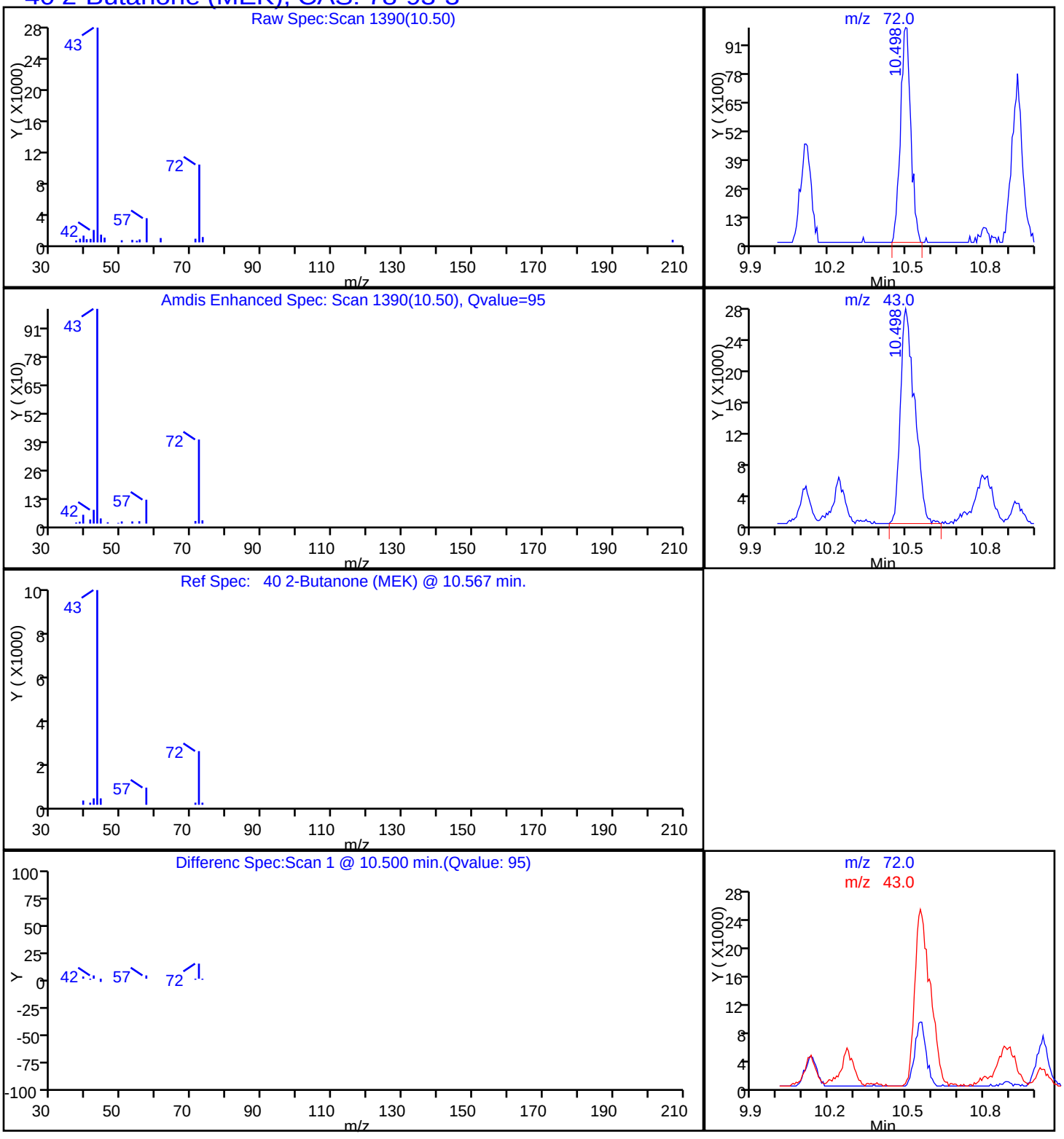
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3



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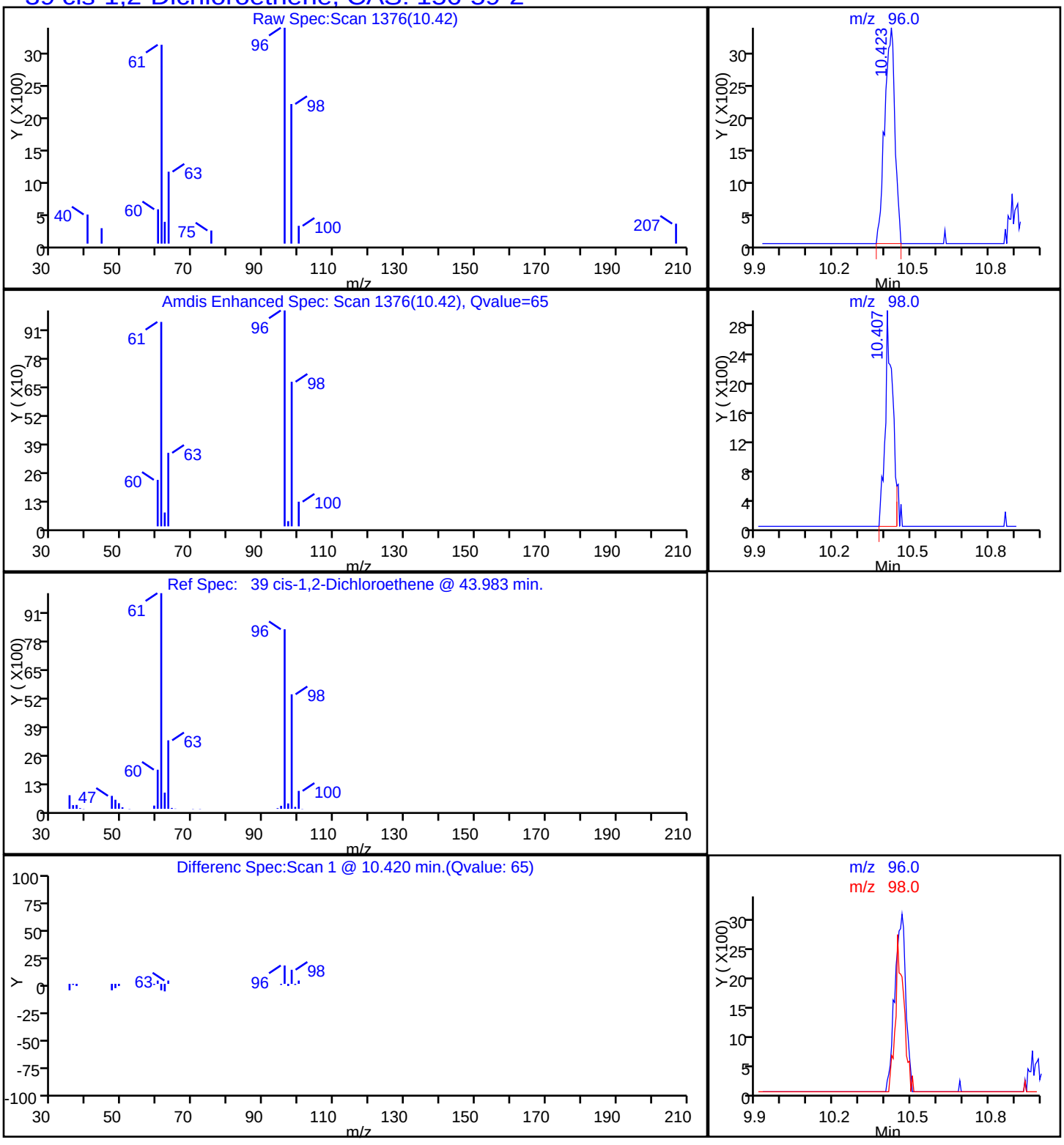
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2



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TestAmerica Burlington

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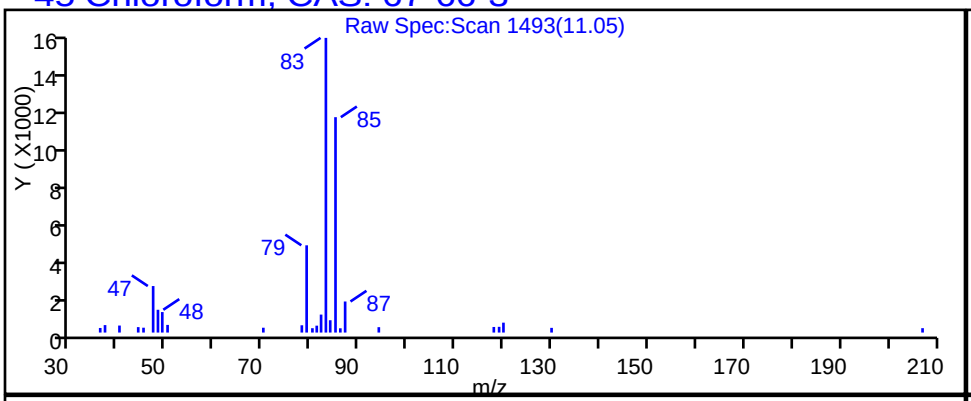
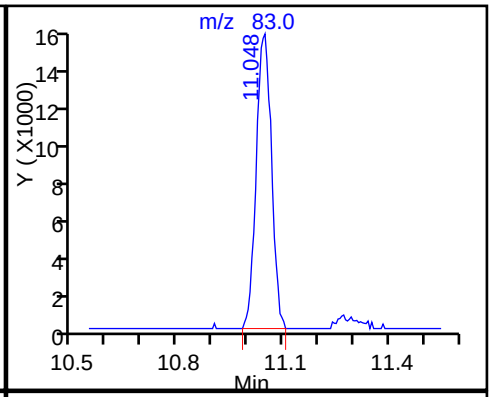
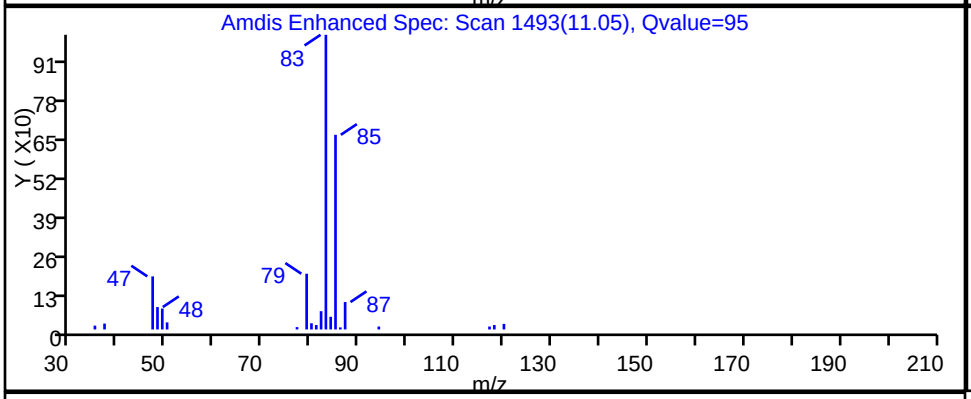
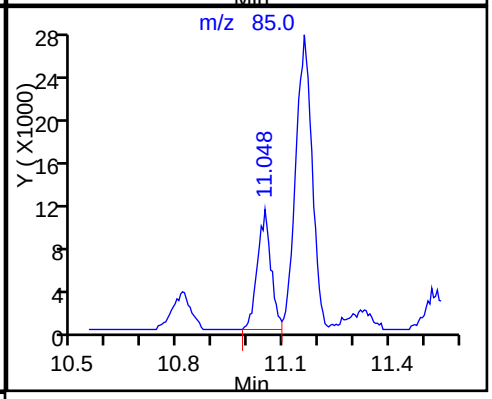
Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

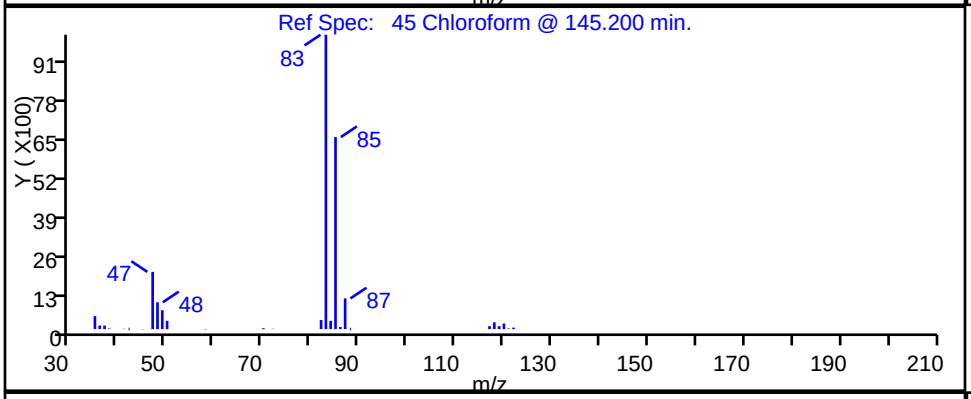
45 Chloroform, CAS: 67-66-3

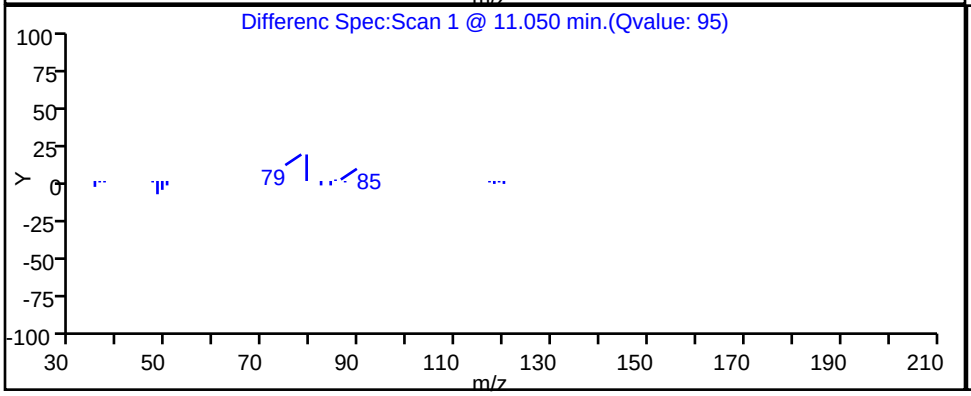


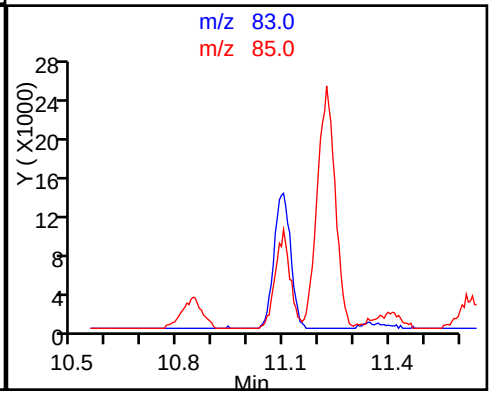












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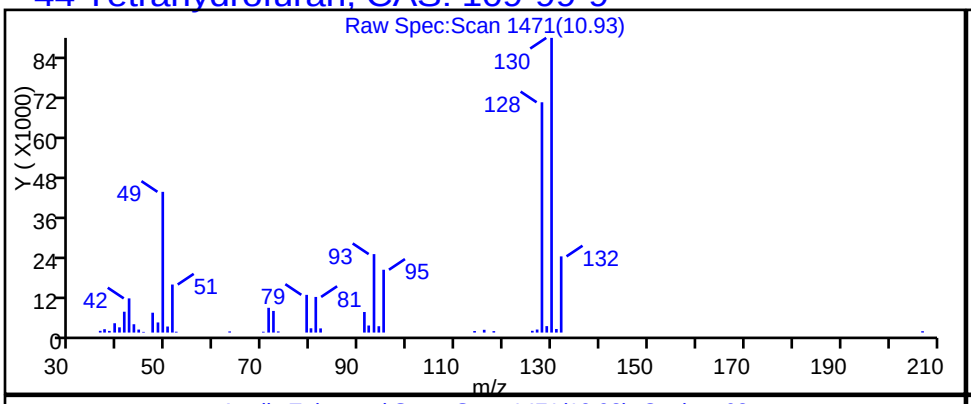
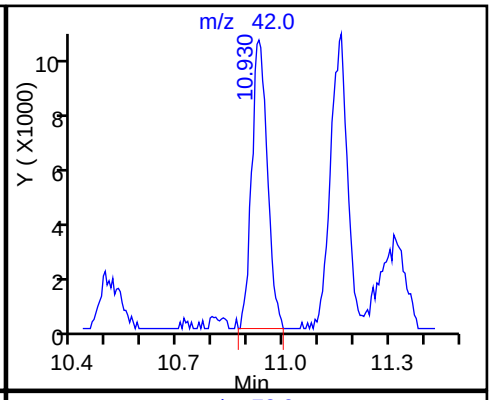
TestAmerica Burlington

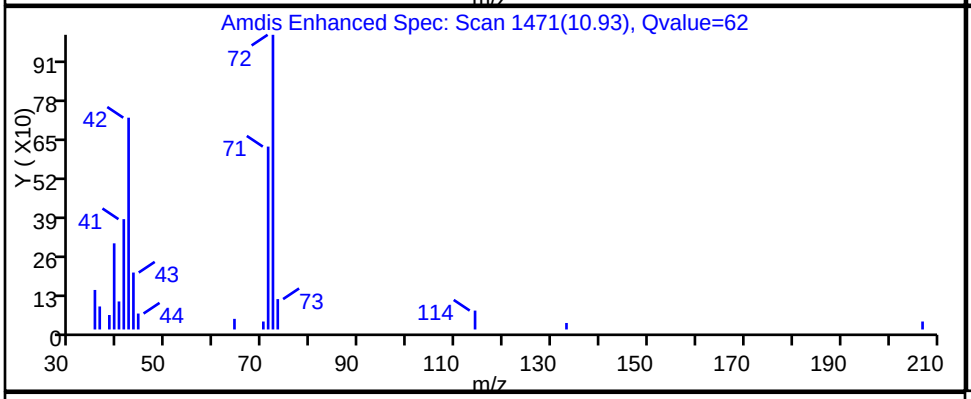
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

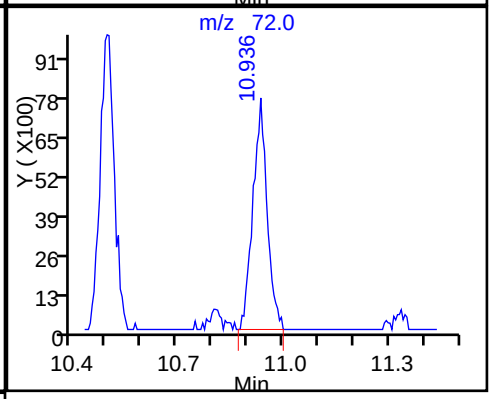
Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

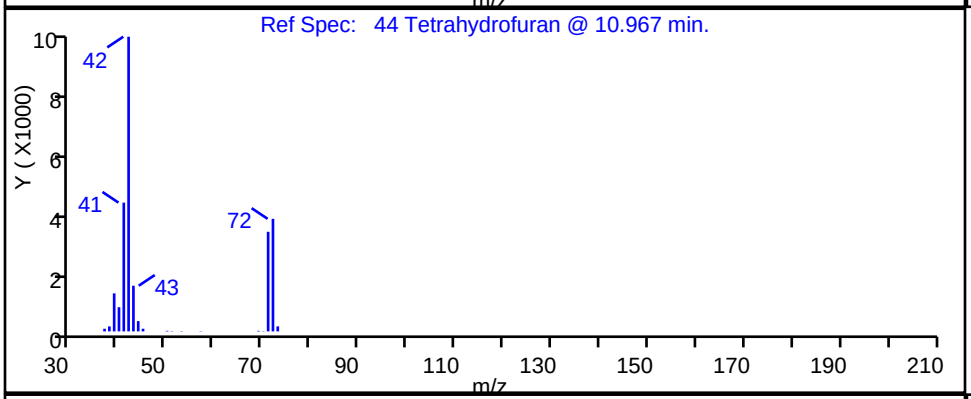
44 Tetrahydrofuran, CAS: 109-99-9

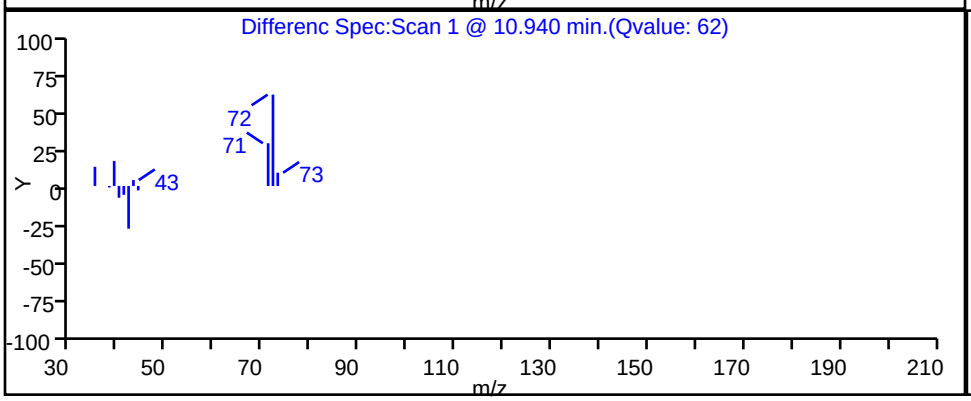


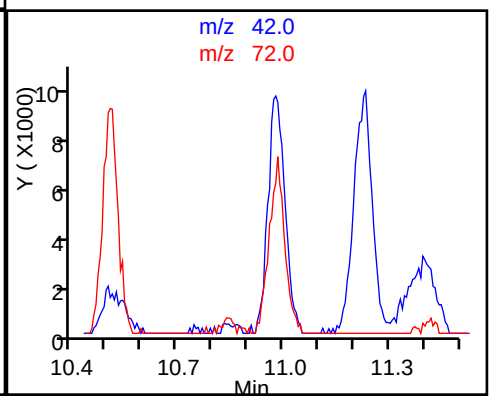












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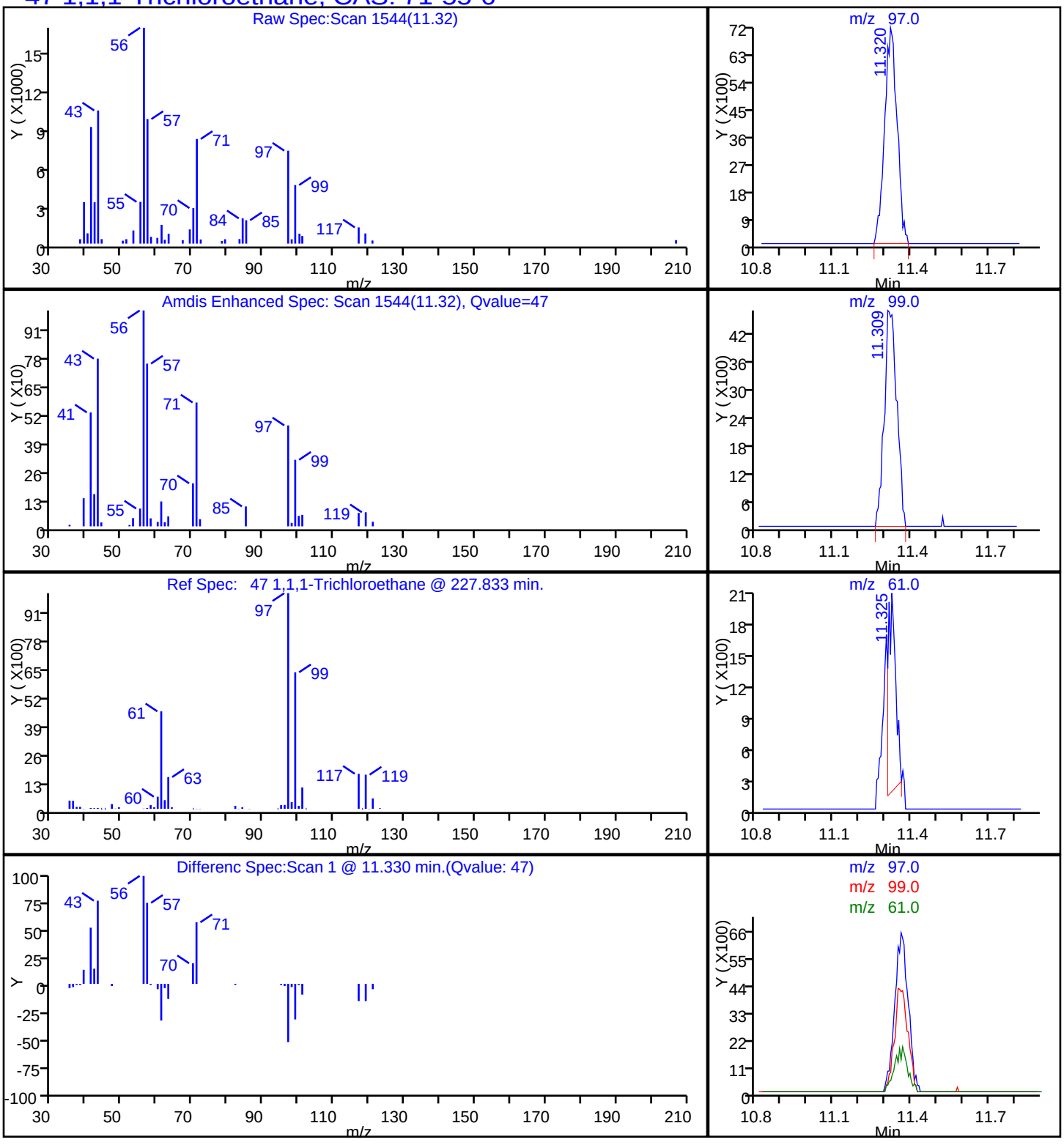
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



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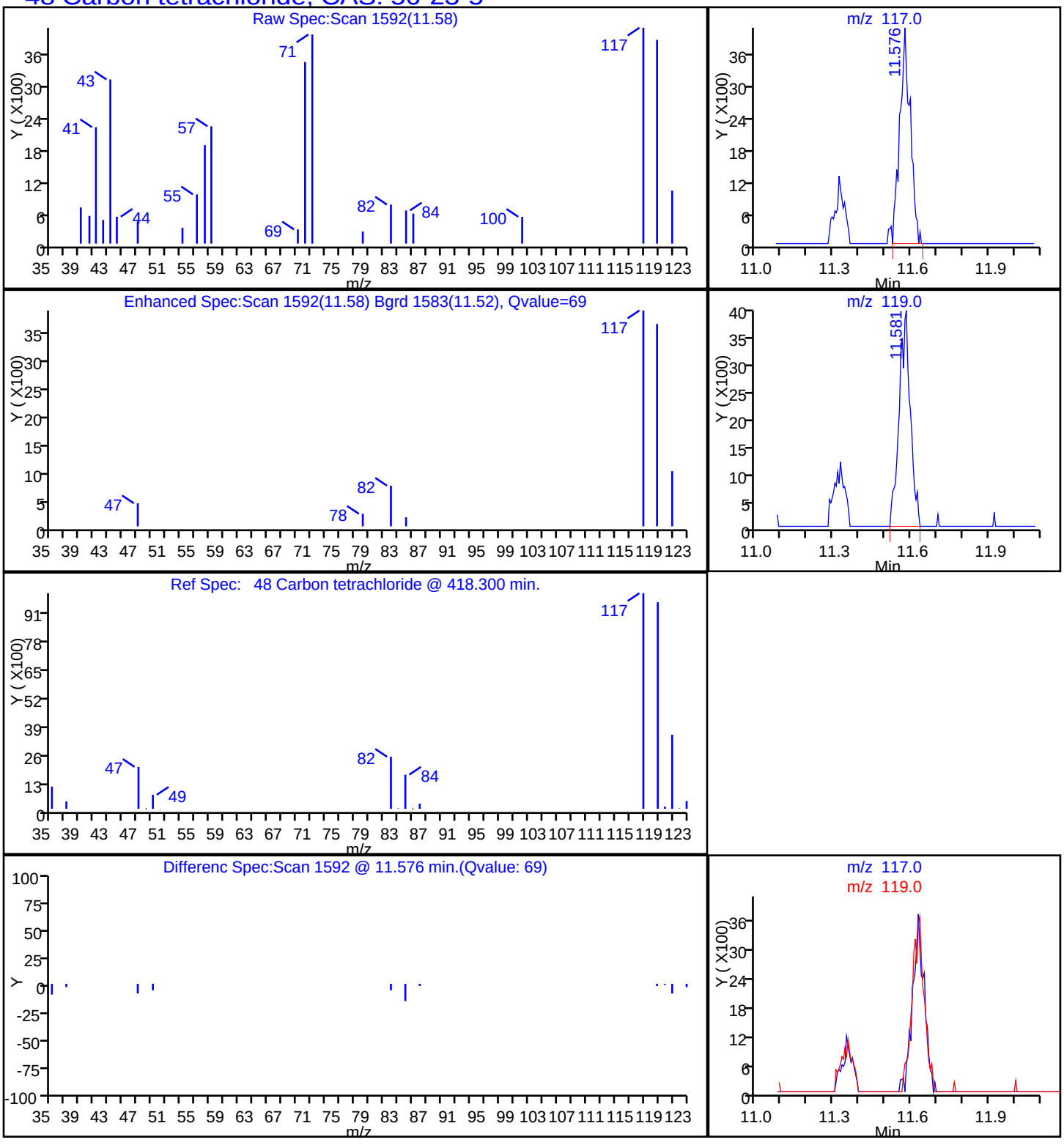
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 Carbon tetrachloride, CAS: 56-23-5



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TestAmerica Burlington

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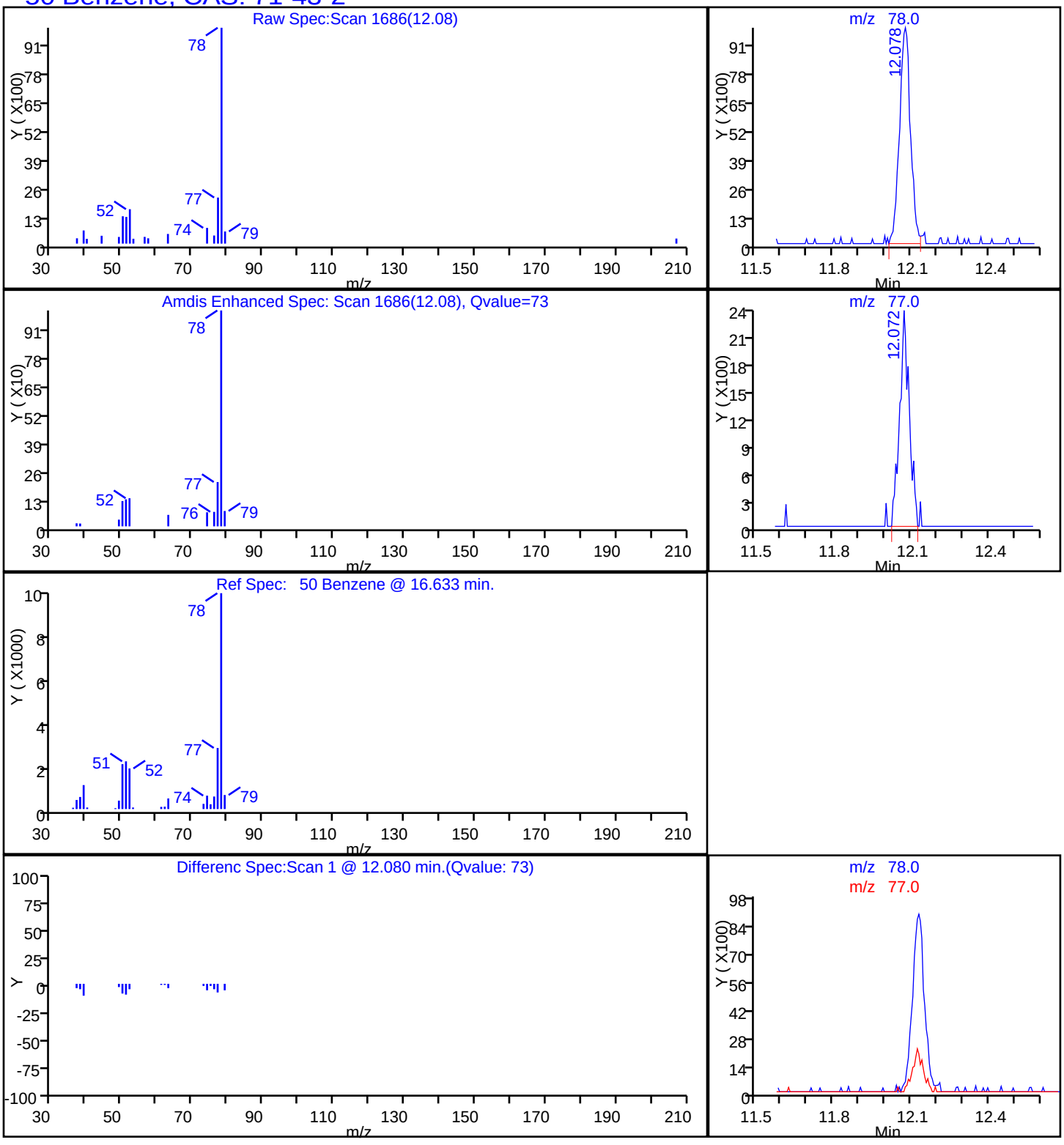
Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



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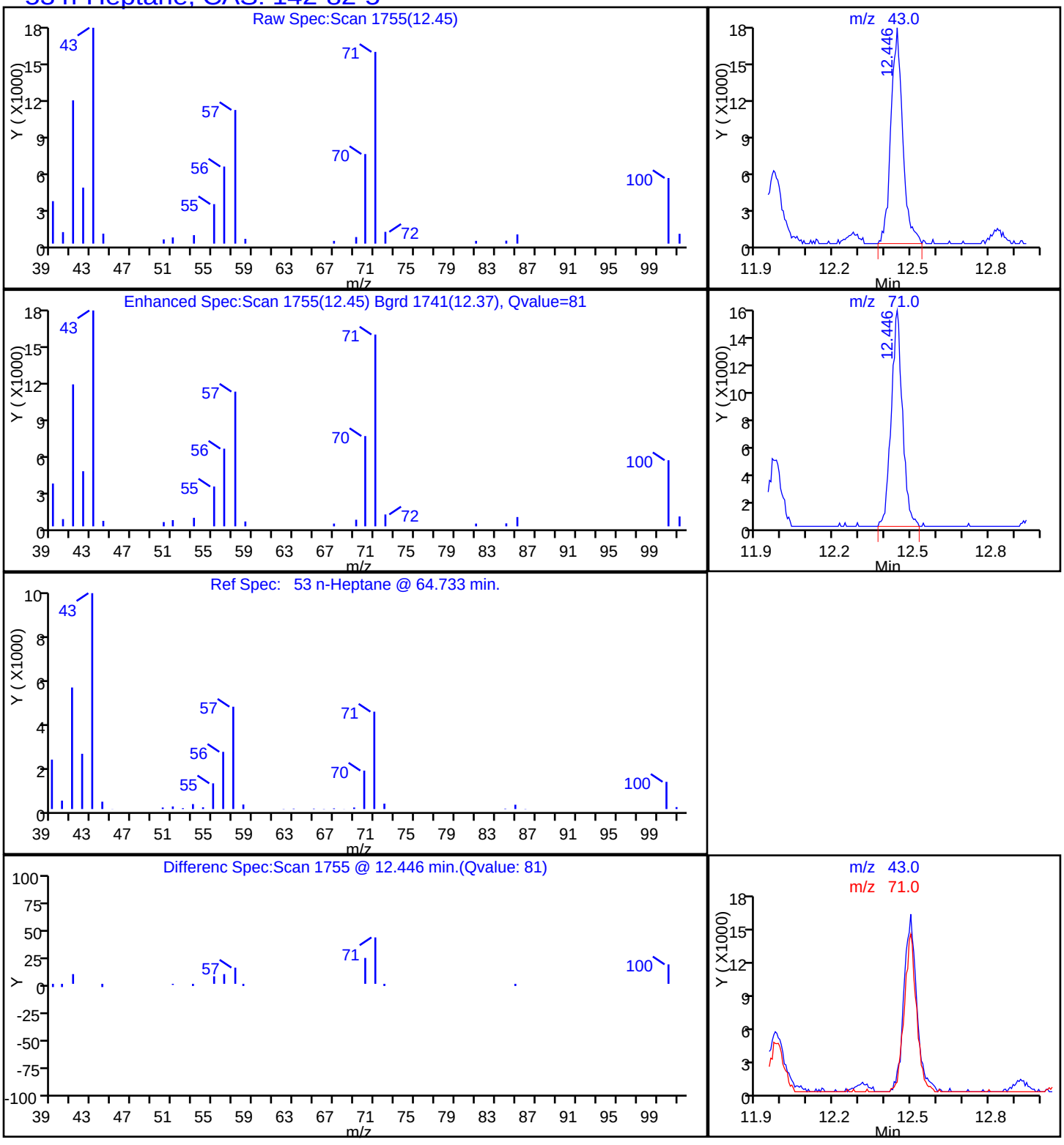
Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5



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Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

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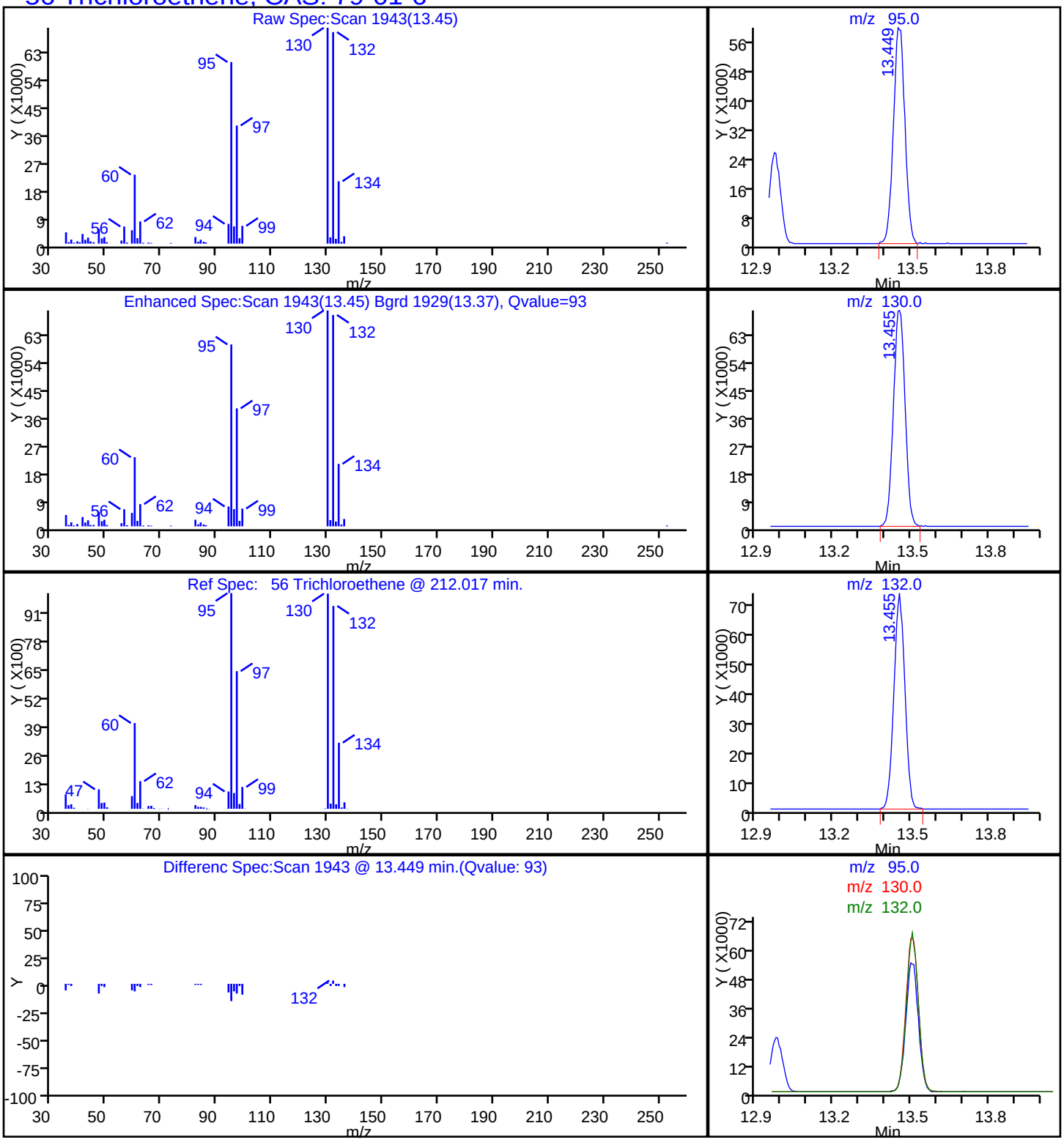
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

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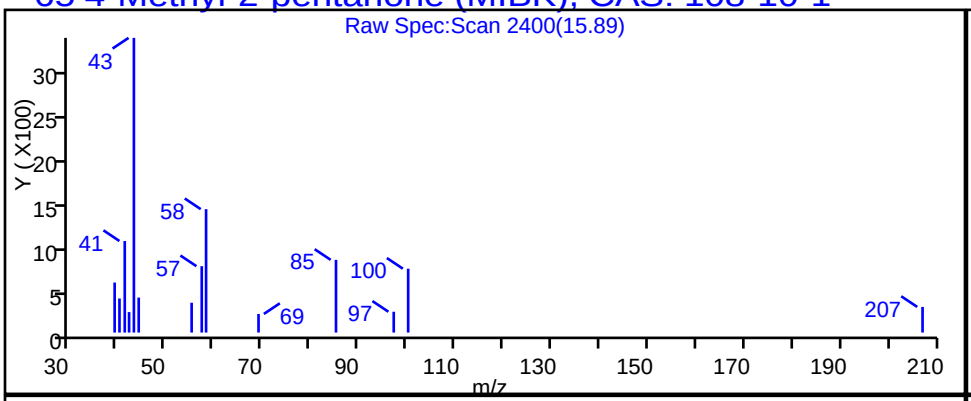
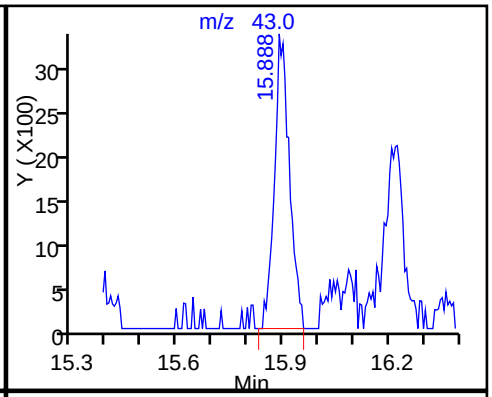
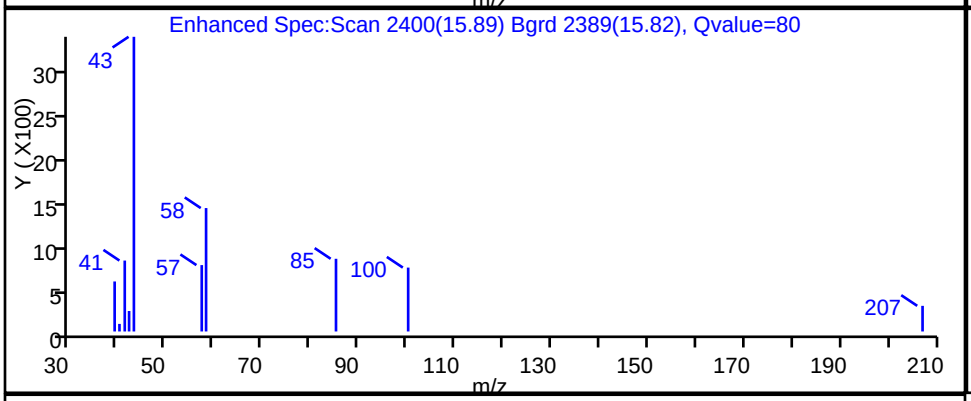
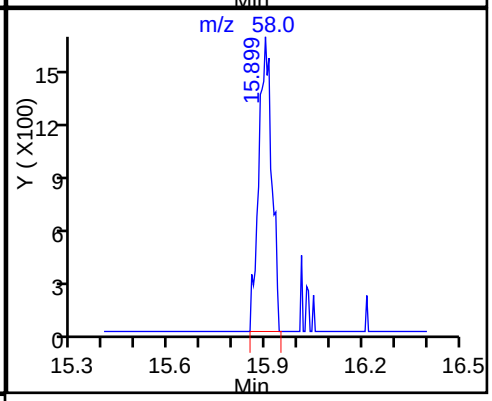
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

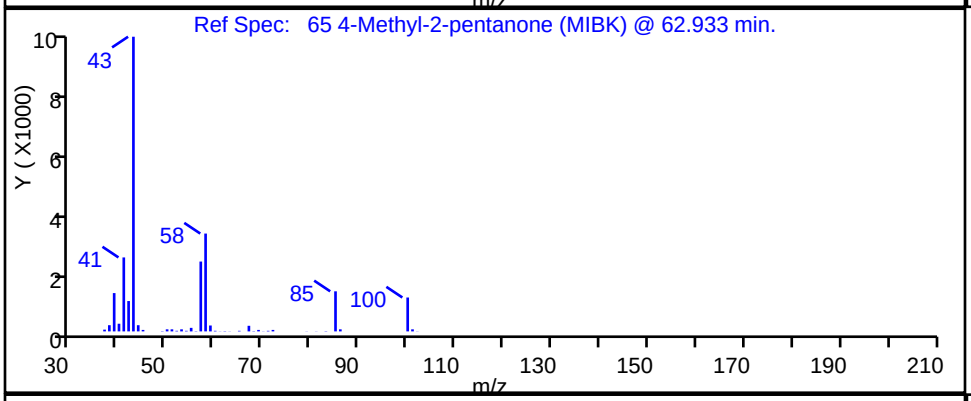
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

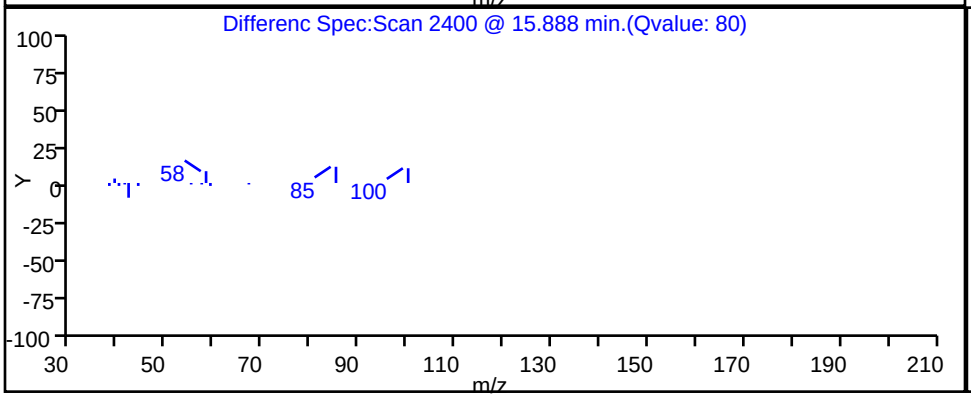


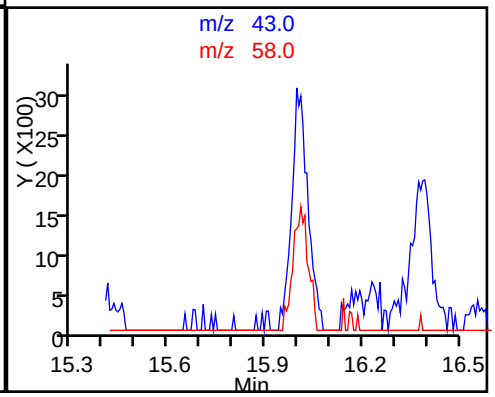












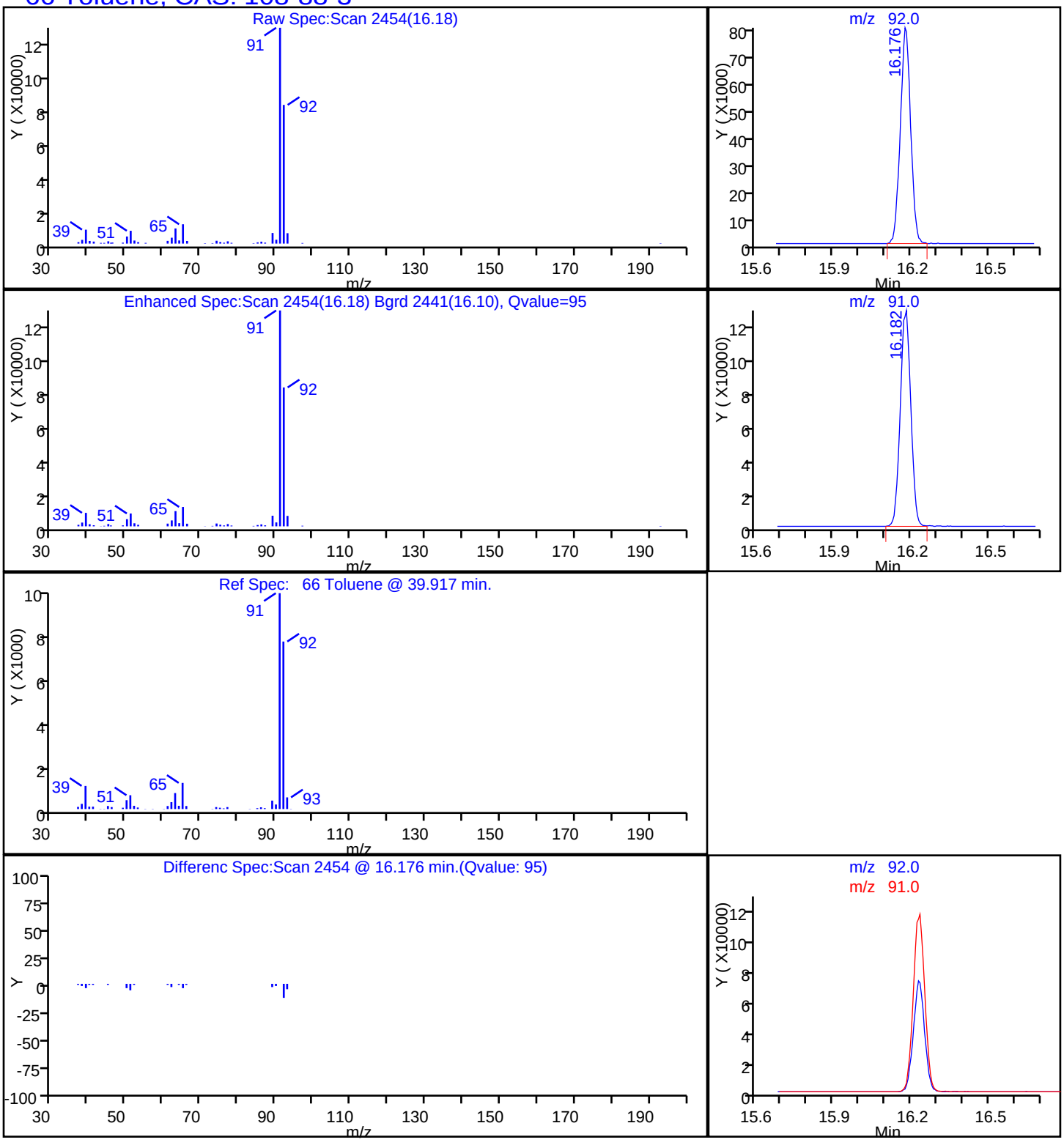
Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



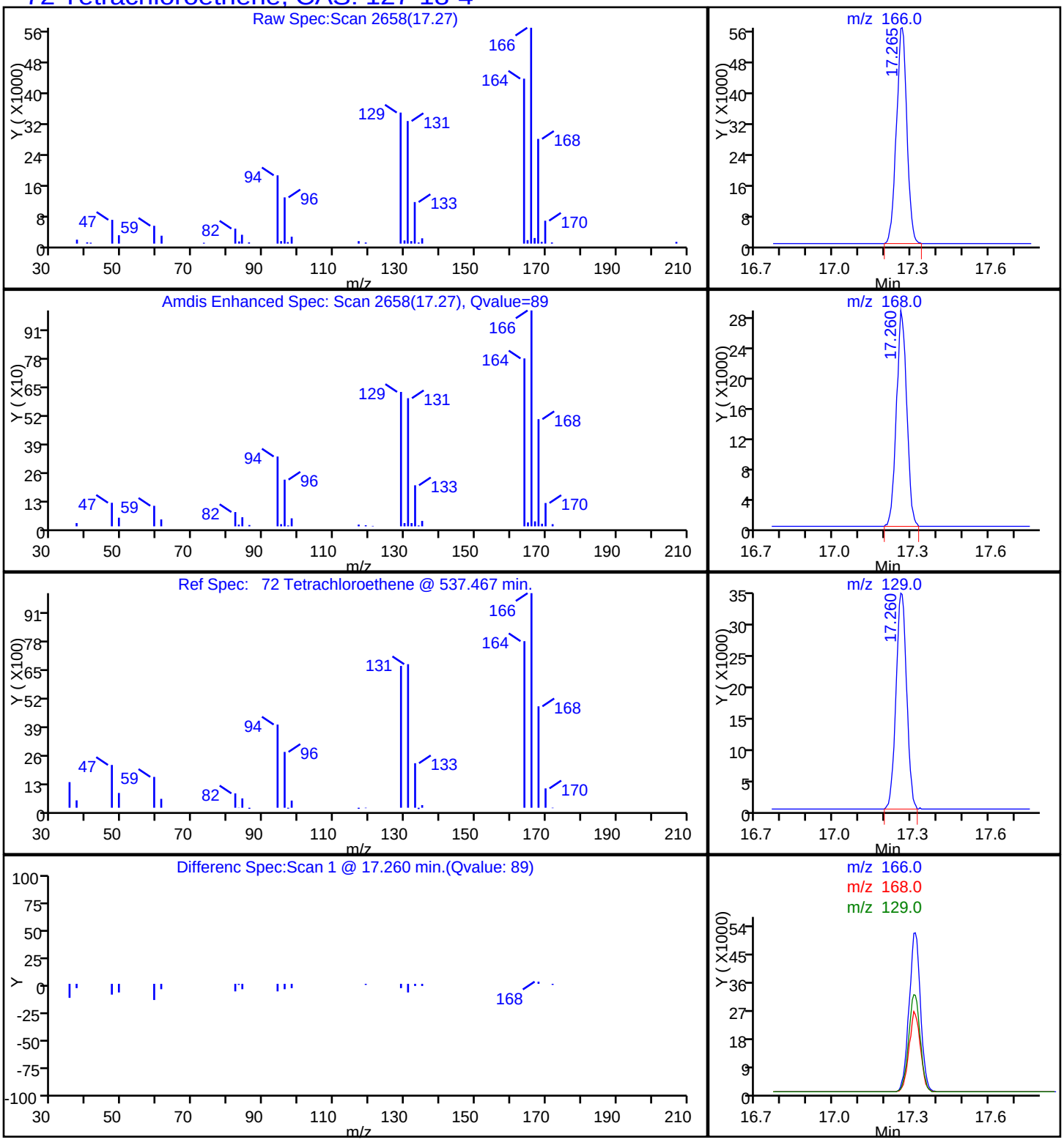
Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



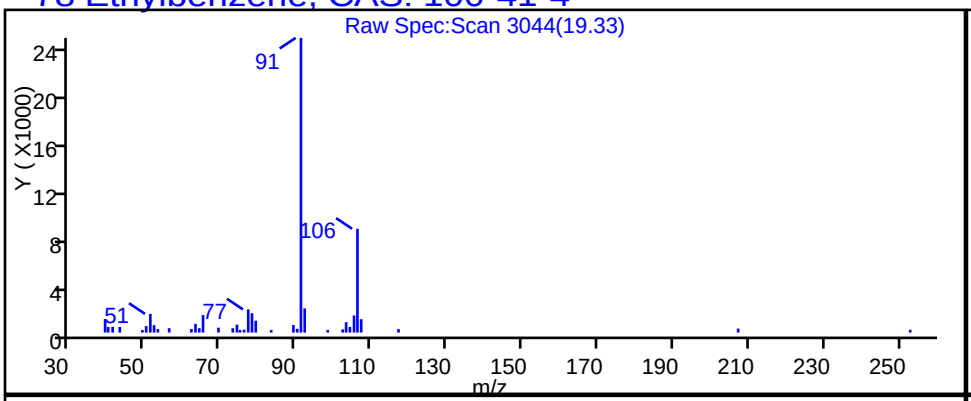
Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

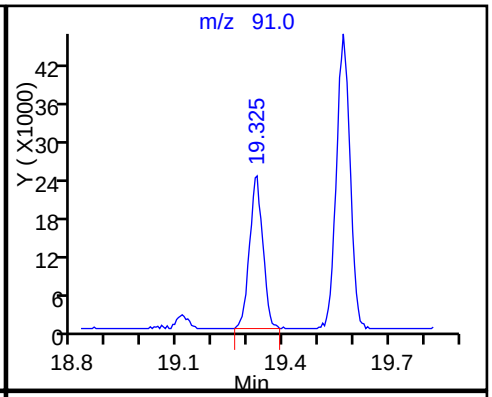
TestAmerica Burlington

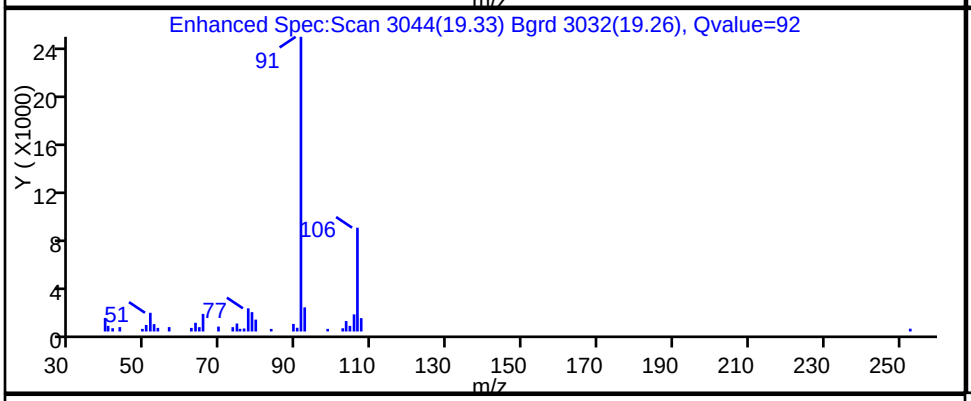
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

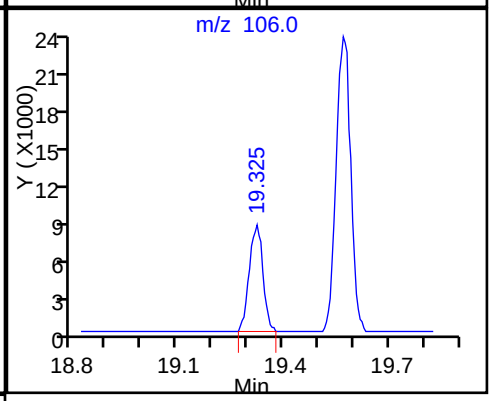
Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

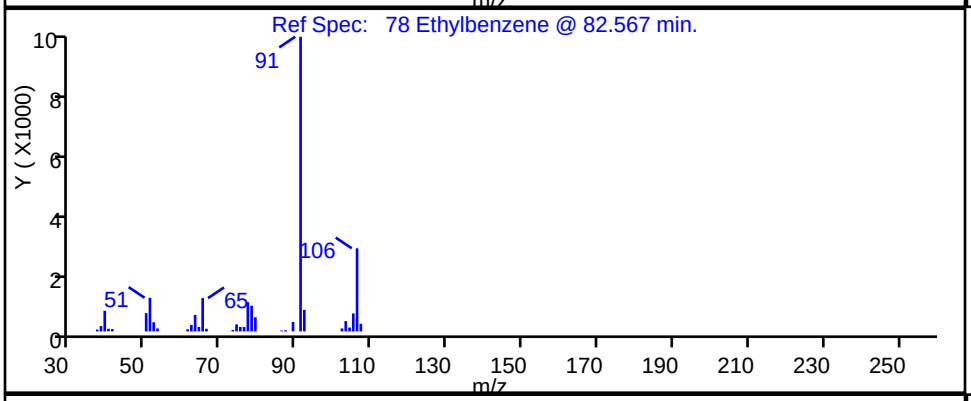
78 Ethylbenzene, CAS: 100-41-4

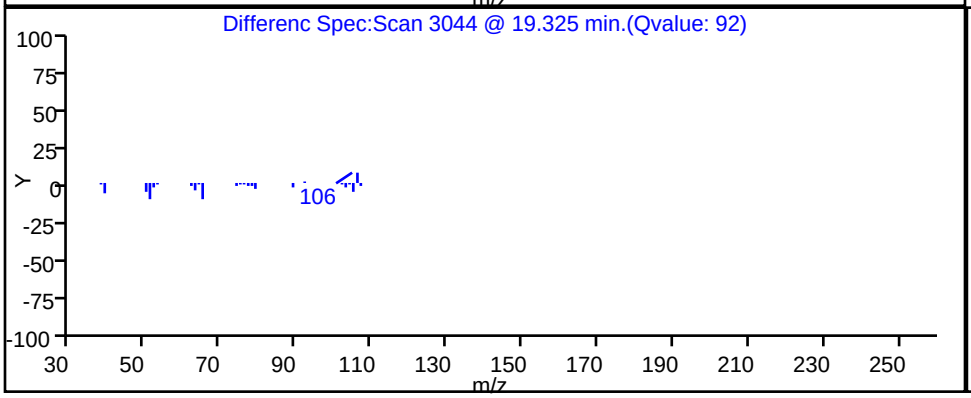


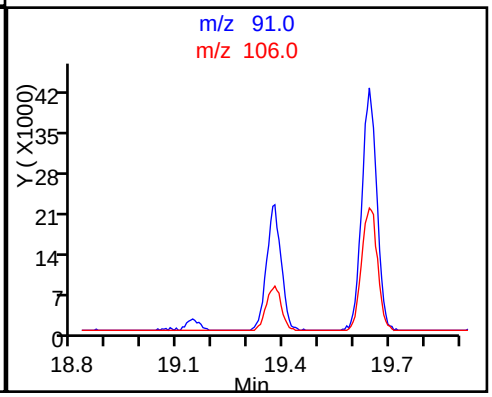










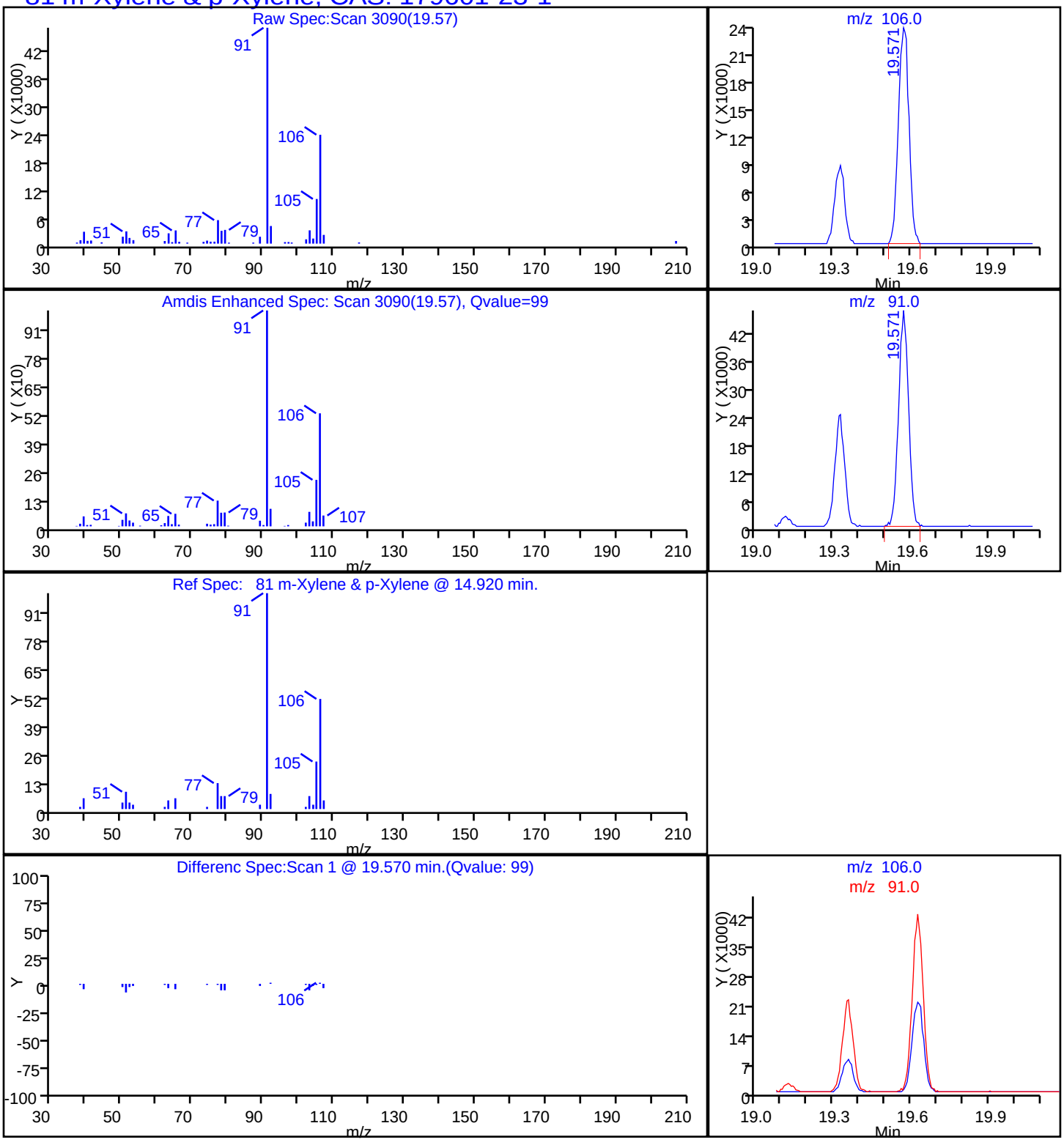


Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D				
Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



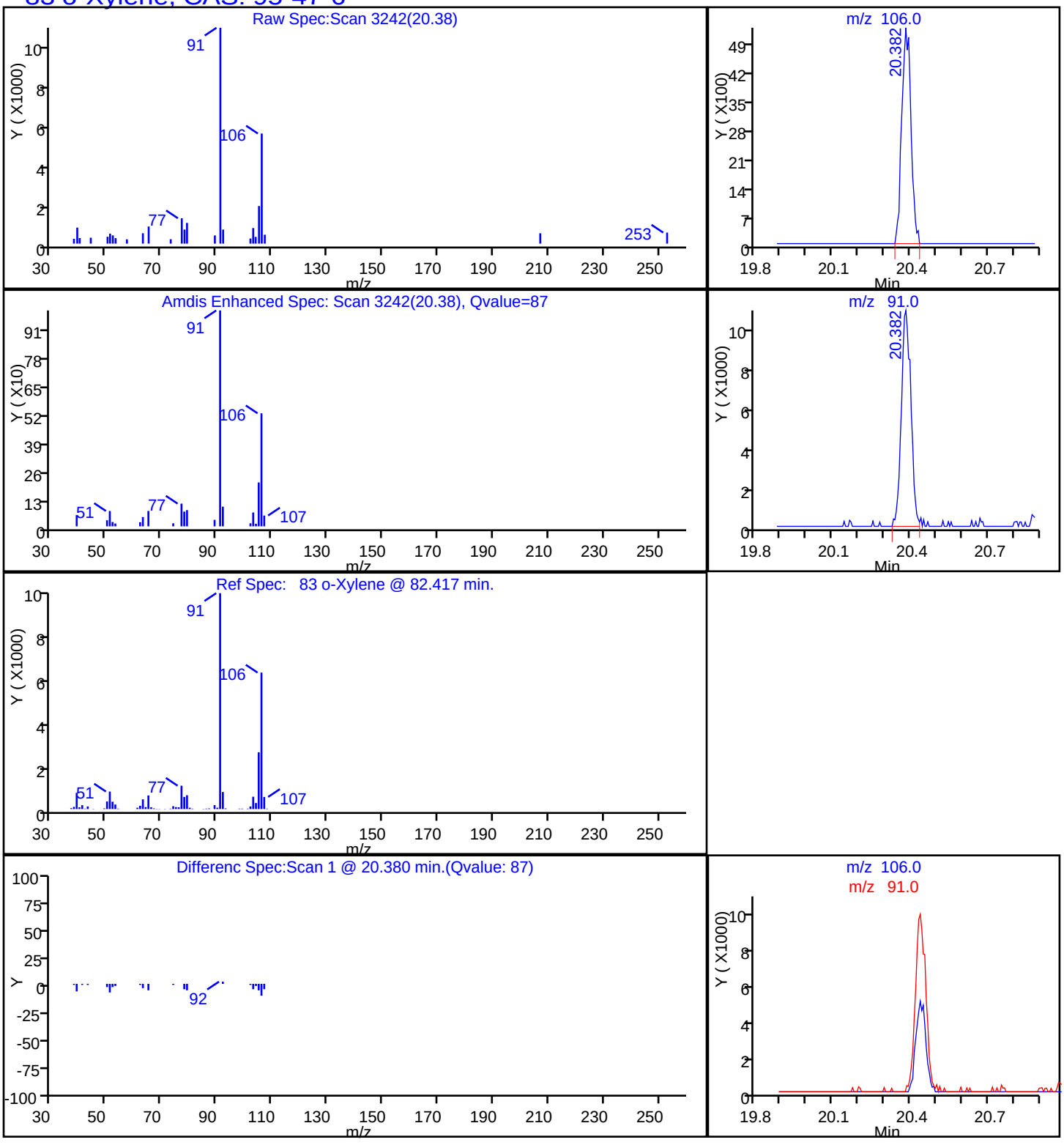
Report Date: 11-Apr-2014 11:39:33 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_19.D

Injection Date:	11-Apr-2014 05:03:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-5 DL Lab Sample ID: 200-21727-10 DL

Matrix: Air Lab File ID: 6977_20.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:50

Sample wt/vol: 80(mL) Date Analyzed: 04/11/2014 05:55

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.46	J D	1.3	0.075
75-45-6	Freon 22	86.47	2.1	D	1.3	0.12
76-14-2	Freon-114	170.92	0.50	U	0.50	0.088
74-87-3	Chloromethane	50.49	0.39	J D	1.3	0.34
106-97-8	n-Butane	58.12	1.4	D	1.3	0.71
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.095
106-99-0	1,3-Butadiene	54.09	0.50	U	0.50	0.11
74-83-9	Bromomethane	94.94	0.50	U	0.50	0.070
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.075
593-60-2	Vinyl bromide	106.96	0.50	U	0.50	0.075
75-69-4	Freon 11	137.37	0.20	J D	0.50	0.075
76-13-1	Freon 113	187.38	0.10	J D	0.50	0.045
75-35-4	1,1-Dichloroethene	96.94	0.50	U	0.50	0.060
67-64-1	Acetone	58.08	10	J D	13	3.1
67-63-0	Isopropyl alcohol	60.10	170	E D	13	0.54
75-15-0	Carbon disulfide	76.14	0.20	J D	1.3	0.17
107-05-1	Allyl chloride	76.53	1.3	U	1.3	0.085
75-09-2	Methylene Chloride	84.93	50	D	1.3	0.31
75-65-0	tert-Butyl alcohol	74.12	13	U	13	0.82
1634-04-4	Methyl tert-butyl ether	88.15	0.50	U	0.50	0.055
156-60-5	trans-1,2-Dichloroethene	96.94	1.9	D	0.50	0.073
110-54-3	Hexane	86.17	1.3	D	0.50	0.085
75-34-3	1,1-Dichloroethane	98.96	0.11	J D	0.50	0.095
78-93-3	Methyl Ethyl Ketone	72.11	1.1	J D	1.3	0.61
156-59-2	cis-1,2-Dichloroethene	96.94	0.14	J D	0.50	0.095
540-59-0	1,2-Dichloroethene, Total	96.94	2.0	D	0.50	0.16
67-66-3	Chloroform	119.38	0.36	J D	0.50	0.063
109-99-9	Tetrahydrofuran	72.11	1.1	J D	13	0.12
71-55-6	1,1,1-Trichloroethane	133.41	0.15	J D	0.50	0.053
110-82-7	Cyclohexane	84.16	0.52	D	0.50	0.063
56-23-5	Carbon tetrachloride	153.81	0.062	J D	0.10	0.053
540-84-1	2,2,4-Trimethylpentane	114.23	0.50	U	0.50	0.068
71-43-2	Benzene	78.11	0.19	J D	0.50	0.048
107-06-2	1,2-Dichloroethane	98.96	0.50	U	0.50	0.043
142-82-5	Heptane	100.21	0.80	D	0.50	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-5 DL Lab Sample ID: 200-21727-10 DL

Matrix: Air Lab File ID: 6977_20.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:50

Sample wt/vol: 80(mL) Date Analyzed: 04/11/2014 05:55

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.7	D	0.10	0.060
80-62-6	Methyl methacrylate	100.12	1.3	U	1.3	0.075
78-87-5	1,2-Dichloropropane	112.99	0.50	U	0.50	0.080
123-91-1	1,4-Dioxane	88.11	13	U	13	0.50
75-27-4	Bromodichloromethane	163.83	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	110.97	0.50	U	0.50	0.070
108-10-1	methyl isobutyl ketone	100.16	0.10	J D	1.3	0.068
108-88-3	Toluene	92.14	1.4	D	0.50	0.043
10061-02-6	trans-1,3-Dichloropropene	110.97	0.50	U	0.50	0.055
79-00-5	1,1,2-Trichloroethane	133.41	0.50	U	0.50	0.043
127-18-4	Tetrachloroethene	165.83	0.74	D	0.50	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.3	U	1.3	0.50
124-48-1	Dibromochloromethane	208.29	0.50	U	0.50	0.050
106-93-4	1,2-Dibromoethane	187.87	0.50	U	0.50	0.050
108-90-7	Chlorobenzene	112.56	0.50	U	0.50	0.020
100-41-4	Ethylbenzene	106.17	0.17	J D	0.50	0.033
179601-23-1	m,p-Xylene	106.17	0.38	J D	1.3	0.058
95-47-6	Xylene, o-	106.17	0.080	J D	0.50	0.040
1330-20-7	Xylene (total)	106.17	0.46	J D	0.50	0.085
100-42-5	Styrene	104.15	0.50	U	0.50	0.045
75-25-2	Bromoform	252.75	0.50	U	0.50	0.025
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.50	U	0.50	0.040
103-65-1	n-Propylbenzene	120.19	0.50	U	0.50	0.20
622-96-8	4-Ethyltoluene	120.20	0.50	U	0.50	0.045
108-67-8	1,3,5-Trimethylbenzene	120.20	0.50	U	0.50	0.030
95-49-8	2-Chlorotoluene	126.59	0.50	U	0.50	0.033
98-06-6	tert-Butylbenzene	134.22	0.50	U	0.50	0.043
95-63-6	1,2,4-Trimethylbenzene	120.20	0.50	U	0.50	0.035
135-98-8	sec-Butylbenzene	134.22	0.50	U	0.50	0.20
99-87-6	4-Isopropyltoluene	134.22	0.50	U	0.50	0.20
541-73-1	1,3-Dichlorobenzene	147.00	0.50	U	0.50	0.035
106-46-7	1,4-Dichlorobenzene	147.00	0.50	U	0.50	0.035
100-44-7	Benzyl chloride	126.58	0.50	U	0.50	0.20
104-51-8	n-Butylbenzene	134.22	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-5 DL Lab Sample ID: 200-21727-10 DL

Matrix: Air Lab File ID: 6977_20.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:50

Sample wt/vol: 80(mL) Date Analyzed: 04/11/2014 05:55

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	*1,2-Dichlorobenzene*	*147.00*	*0.50*	*U*	*0.50*	*0.035*
120-82-1	*1,2,4-Trichlorobenzene*	*181.45*	*1.3*	*U*	*1.3*	*0.068*
87-68-3	*Hexachloro-1,3-butadiene*	*260.76*	*0.50*	*U*	*0.50*	*0.055*
91-20-3	*Naphthalene*	*128.17*	*1.3*	*U*	*1.3*	*0.50*

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-5 DL Lab Sample ID: 200-21727-10 DL

Matrix: Air Lab File ID: 6977_20.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:50

Sample wt/vol: 80(mL) Date Analyzed: 04/11/2014 05:55

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.3	J D	6.2	0.37
75-45-6	Freon 22	86.47	7.3	D	4.4	0.42
76-14-2	Freon-114	170.92	3.5	U	3.5	0.61
74-87-3	Chloromethane	50.49	0.81	J D	2.6	0.70
106-97-8	n-Butane	58.12	3.3	D	3.0	1.7
75-01-4	Vinyl chloride	62.50	0.26	U	0.26	0.24
106-99-0	1,3-Butadiene	54.09	1.1	U	1.1	0.23
74-83-9	Bromomethane	94.94	1.9	U	1.9	0.27
75-00-3	Chloroethane	64.52	3.3	U	3.3	0.20
593-60-2	Vinyl bromide	106.96	2.2	U	2.2	0.33
75-69-4	Freon 11	137.37	1.1	J D	2.8	0.42
76-13-1	Freon 113	187.38	0.80	J D	3.8	0.34
75-35-4	1,1-Dichloroethene	96.94	2.0	U	2.0	0.24
67-64-1	Acetone	58.08	24	J D	30	7.4
67-63-0	Isopropyl alcohol	60.10	430	E D	31	1.3
75-15-0	Carbon disulfide	76.14	0.61	J D	3.9	0.51
107-05-1	Allyl chloride	76.53	3.9	U	3.9	0.27
75-09-2	Methylene Chloride	84.93	170	D	4.3	1.1
75-65-0	tert-Butyl alcohol	74.12	38	U	38	2.5
1634-04-4	Methyl tert-butyl ether	88.15	1.8	U	1.8	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	7.5	D	2.0	0.29
110-54-3	Hexane	86.17	4.5	D	1.8	0.30
75-34-3	1,1-Dichloroethane	98.96	0.43	J D	2.0	0.38
78-93-3	Methyl Ethyl Ketone	72.11	3.2	J D	3.7	1.8
156-59-2	cis-1,2-Dichloroethene	96.94	0.57	J D	2.0	0.38
540-59-0	1,2-Dichloroethene, Total	96.94	8.1	D	2.0	0.63
67-66-3	Chloroform	119.38	1.8	J D	2.4	0.31
109-99-9	Tetrahydrofuran	72.11	3.3	J D	37	0.34
71-55-6	1,1,1-Trichloroethane	133.41	0.83	J D	2.7	0.29
110-82-7	Cyclohexane	84.16	1.8	D	1.7	0.22
56-23-5	Carbon tetrachloride	153.81	0.39	J D	0.63	0.33
540-84-1	2,2,4-Trimethylpentane	114.23	2.3	U	2.3	0.32
71-43-2	Benzene	78.11	0.60	J D	1.6	0.15
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	0.17
142-82-5	Heptane	100.21	3.3	D	2.0	0.47

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-5 DL Lab Sample ID: 200-21727-10 DL

Matrix: Air Lab File ID: 6977_20.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:50

Sample wt/vol: 80(mL) Date Analyzed: 04/11/2014 05:55

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	9.3	D	0.54	0.32
80-62-6	Methyl methacrylate	100.12	5.1	U	5.1	0.31
78-87-5	1,2-Dichloropropane	112.99	2.3	U	2.3	0.37
123-91-1	1,4-Dioxane	88.11	45	U	45	1.8
75-27-4	Bromodichloromethane	163.83	3.4	U	3.4	0.28
10061-01-5	cis-1,3-Dichloropropene	110.97	2.3	U	2.3	0.32
108-10-1	methyl isobutyl ketone	100.16	0.42	J D	5.1	0.28
108-88-3	Toluene	92.14	5.2	D	1.9	0.16
10061-02-6	trans-1,3-Dichloropropene	110.97	2.3	U	2.3	0.25
79-00-5	1,1,2-Trichloroethane	133.41	2.7	U	2.7	0.23
127-18-4	Tetrachloroethene	165.83	5.0	D	3.4	0.27
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.1	U	5.1	2.0
124-48-1	Dibromochloromethane	208.29	4.3	U	4.3	0.43
106-93-4	1,2-Dibromoethane	187.87	3.8	U	3.8	0.38
108-90-7	Chlorobenzene	112.56	2.3	U	2.3	0.093
100-41-4	Ethylbenzene	106.17	0.72	J D	2.2	0.14
179601-23-1	m,p-Xylene	106.17	1.7	J D	5.4	0.25
95-47-6	Xylene, o-	106.17	0.35	J D	2.2	0.17
1330-20-7	Xylene (total)	106.17	2.0	J D	2.2	0.37
100-42-5	Styrene	104.15	2.1	U	2.1	0.19
75-25-2	Bromoform	252.75	5.2	U	5.2	0.26
79-34-5	1,1,2,2-Tetrachloroethane	167.85	3.4	U	3.4	0.27
103-65-1	n-Propylbenzene	120.19	2.5	U	2.5	0.98
622-96-8	4-Ethyltoluene	120.20	2.5	U	2.5	0.22
108-67-8	1,3,5-Trimethylbenzene	120.20	2.5	U	2.5	0.15
95-49-8	2-Chlorotoluene	126.59	2.6	U	2.6	0.17
98-06-6	tert-Butylbenzene	134.22	2.7	U	2.7	0.23
95-63-6	1,2,4-Trimethylbenzene	120.20	2.5	U	2.5	0.17
135-98-8	sec-Butylbenzene	134.22	2.7	U	2.7	1.1
99-87-6	4-Isopropyltoluene	134.22	2.7	U	2.7	1.1
541-73-1	1,3-Dichlorobenzene	147.00	3.0	U	3.0	0.21
106-46-7	1,4-Dichlorobenzene	147.00	3.0	U	3.0	0.21
100-44-7	Benzyl chloride	126.58	2.6	U	2.6	1.0
104-51-8	n-Butylbenzene	134.22	2.7	U	2.7	1.1

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-5 DL Lab Sample ID: 200-21727-10 DL

Matrix: Air Lab File ID: 6977_20.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:50

Sample wt/vol: 80(mL) Date Analyzed: 04/11/2014 05:55

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	*1,2-Dichlorobenzene*	*147.00*	*3.0*	*U*	*3.0*	*0.21*
120-82-1	*1,2,4-Trichlorobenzene*	*181.45*	*9.3*	*U*	*9.3*	*0.50*
87-68-3	*Hexachloro-1,3-butadiene*	*260.76*	*5.3*	*U*	*5.3*	*0.59*
91-20-3	*Naphthalene*	*128.17*	*6.6*	*U*	*6.6*	*2.6*

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D
Lims ID: 200-21727-A-10 Lab Sample ID: 200-21727-10
Client ID: SDS-5
Sample Type: Client
Inject. Date: 11-Apr-2014 05:55:30 ALS Bottle#: 16 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 2.5000
Sample Info: 200-0006977-020
Misc. Info.: 21727-10
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 11:43:43 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 11:43:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.261	3.256	0.005	97	24238	0.1848	
6 Chlorodifluoromethane	51	3.325	3.315	0.010	74	36246	0.8223	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50	3.710	3.699	0.011	65	3388	0.1563	
9 Butane	43	3.918	3.912	0.006	89	19340	0.5584	
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.049					
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101	5.583	5.583	0.016	62	13254	0.0816	M
23 1,1,2-Trichloro-1,2,2-trif	101	6.714	6.714	0.000	41	4085	0.0417	
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43	7.050	7.034	0.016	88	150928	3.99	
26 Carbon disulfide	76	7.141	7.141	0.000	79	7319	0.0785	
27 Isopropyl alcohol	45	7.360	7.355	0.005	98	1940036	69.9	E
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.899	7.894	0.005	76	547242	20.0	
32 2-Methyl-2-propanol	59		8.155					
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61	8.337	8.342	-0.005	83	34564	0.7600	
36 Hexane	57	8.737	8.732	0.005	86	21985	0.5072	
37 1,1-Dichloroethane	63	9.255	9.260	-0.005	17	2764	0.0426	
S 41 1,2-Dichloroethene, Total	61				0		0.8177	
39 cis-1,2-Dichloroethene	96	10.423	10.418	0.005	65	3323	0.0577	
40 2-Butanone (MEK)	72	10.503	10.498	0.005	92	9243	0.4302	
* 43 Chlorobromomethane	128	10.909	10.909	0.000	64	509031	10.0	
44 Tetrahydrofuran	42	10.952	10.925	0.027	70	12010	0.4445	
45 Chloroform	83	11.048	11.048	0.000	79	17432	0.1459	
46 Cyclohexane	84	11.277	11.336	-0.006	3	14598	0.2099	M
47 1,1,1-Trichloroethane	97	11.325	11.331	0.000	20	9076	0.0608	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.587	11.581	0.006	43	4527	0.0249	
51 Isooctane	57		12.035					
50 Benzene	78	12.072	12.083	-0.011	66	11941	0.0750	
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43	12.462	12.446	0.011	81	19841	0.3201	M
* 54 1,4-Difluorobenzene	114	12.974	12.980	-0.006	91	2684208	10.0	
56 Trichloroethene	95	13.460	13.460	0.000	88	68005	0.6952	
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69		14.234					
60 1,4-Dioxane	88		14.303					
62 Dichlorobromomethane	83		14.629					
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43	15.920	15.894	0.026	75	3627	0.0407	
66 Toluene	92	16.182	16.182	0.000	94	82433	0.5512	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166	17.265	17.265	0.000	94	57144	0.2965	
73 2-Hexanone	43		17.639					
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	82	2624632	10.0	
77 Chlorobenzene	112		19.181					
78 Ethylbenzene	91	19.325	19.325	0.000	80	23444	0.0664	
81 m-Xylene & p-Xylene	106	19.576	19.576	0.000	98	23429	0.1539	
S 82 Xylenes, Total	106				0		0.1860	
83 o-Xylene	106	20.398	20.398	0.011	64	4777	0.0321	M
84 Styrene	104		20.435					
85 Bromoform	173		20.836					
$ 87 4-Bromofluorobenzene	95	21.375	21.375	0.000	95	1717323	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91		21.706					
91 4-Ethyltoluene	105		21.882					
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105		21.983					
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105		22.549					
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119		22.965					
100 1,3-Dichlorobenzene	146		23.008					
101 1,4-Dichlorobenzene	146		23.141					
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
105 1,2-Dichlorobenzene	146		23.696					
107 1,2,4-Trichlorobenzene	180		26.322					
108 Hexachlorobutadiene	225		26.509					
109 Naphthalene	128		26.850					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

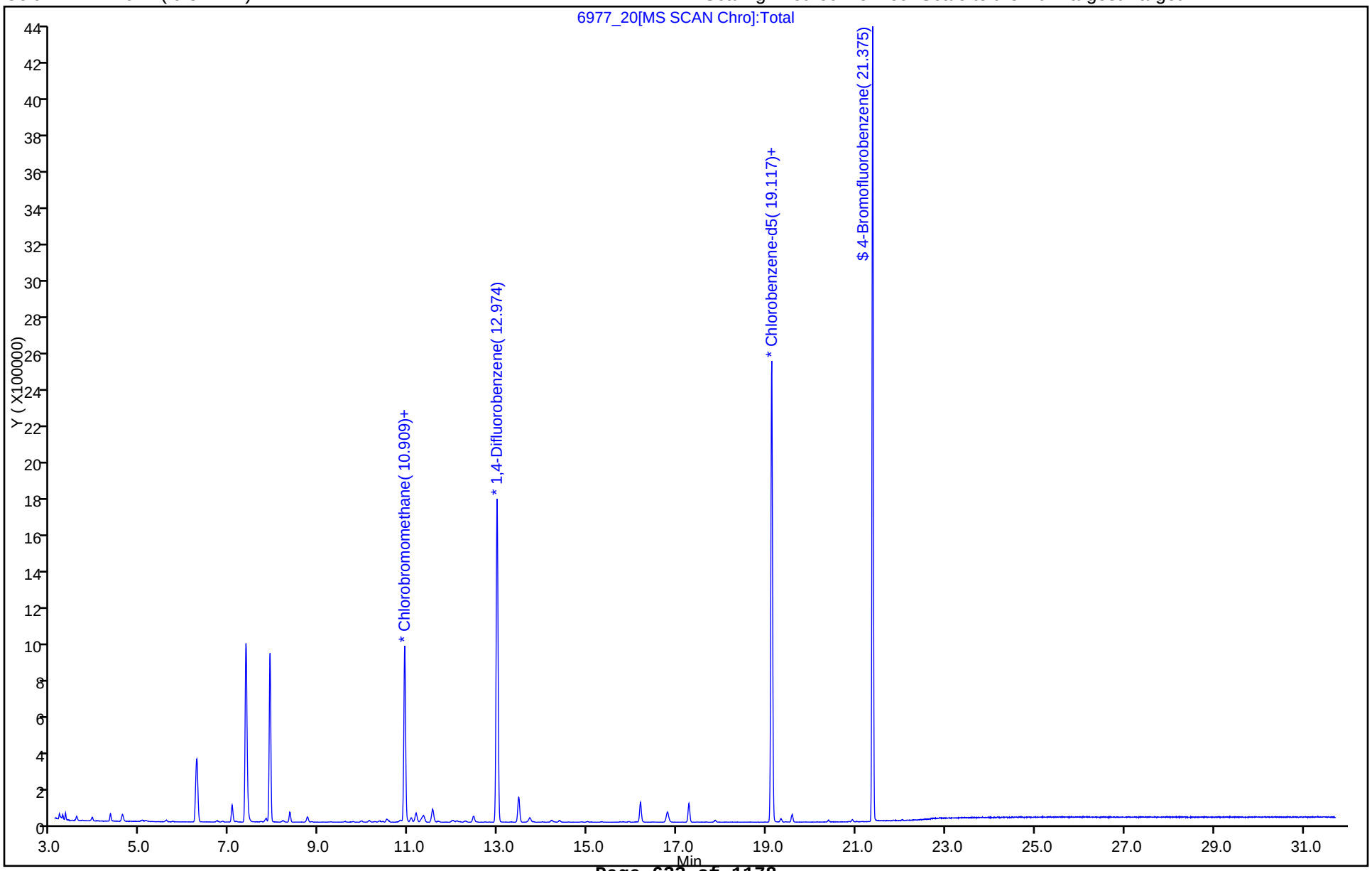
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10	Worklist Smp#:	20
Client ID:	SDS-5				
Purge Vol:	200.000 mL	Dil. Factor:	2.5000	ALS Bottle#:	16
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



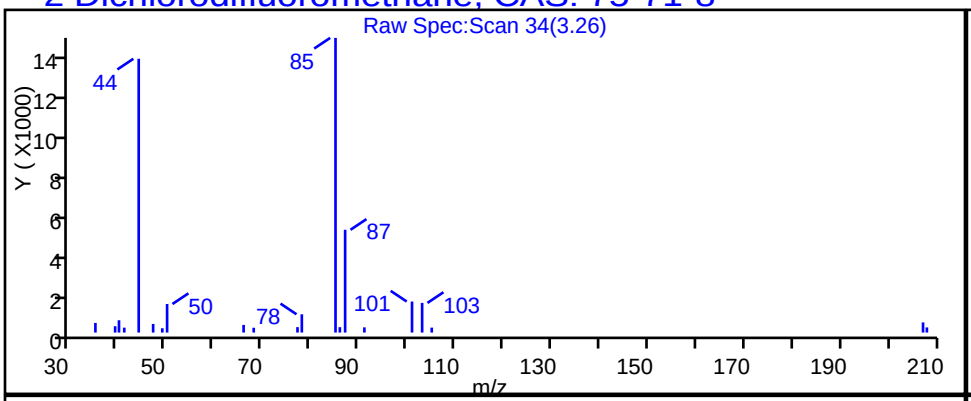
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

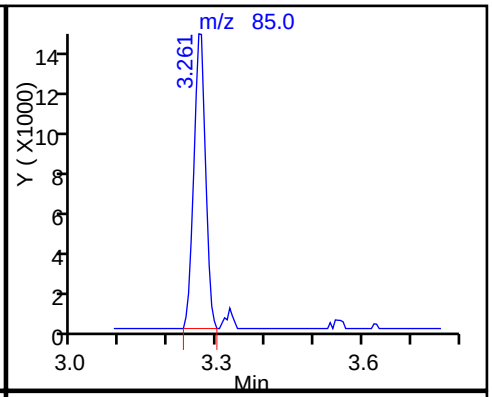
TestAmerica Burlington

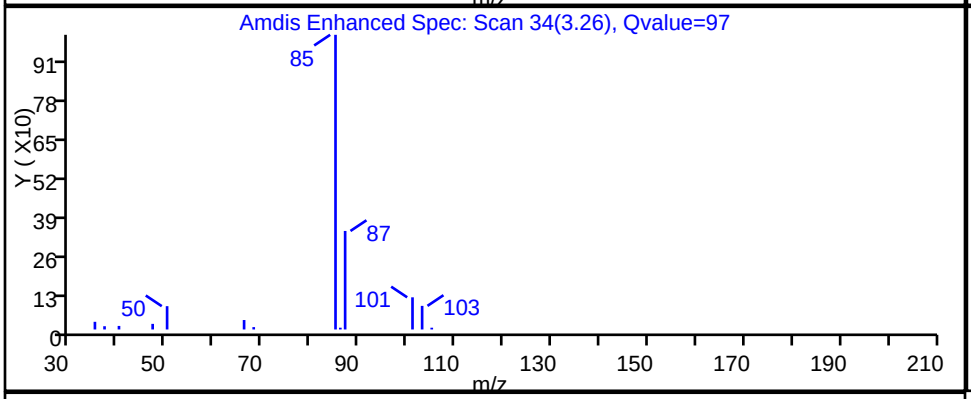
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

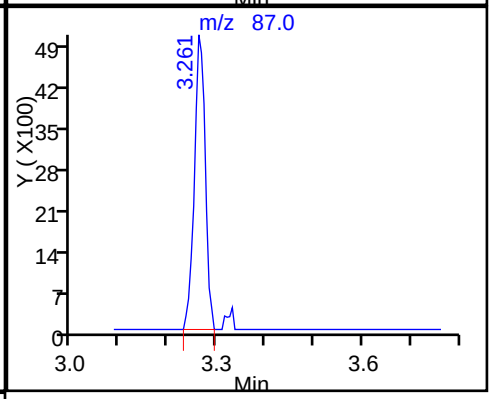
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

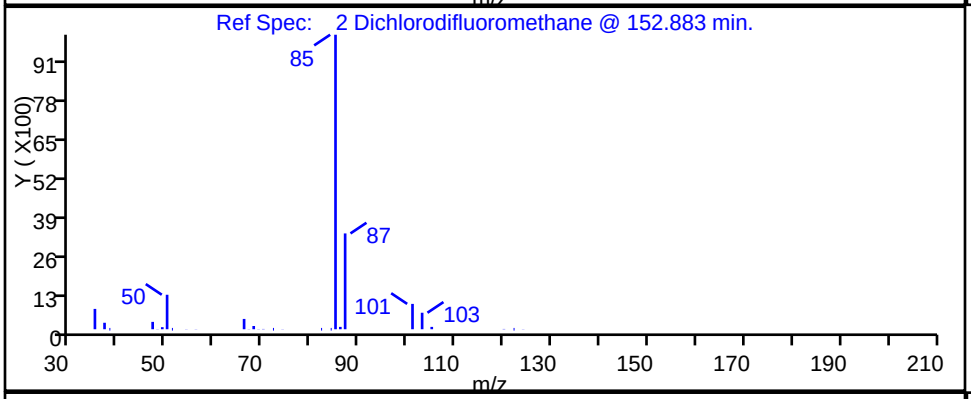
2 Dichlorodifluoromethane, CAS: 75-71-8

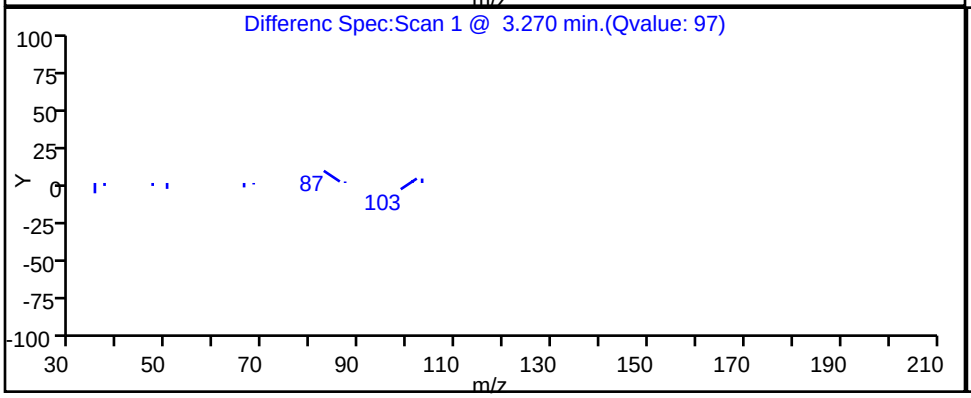


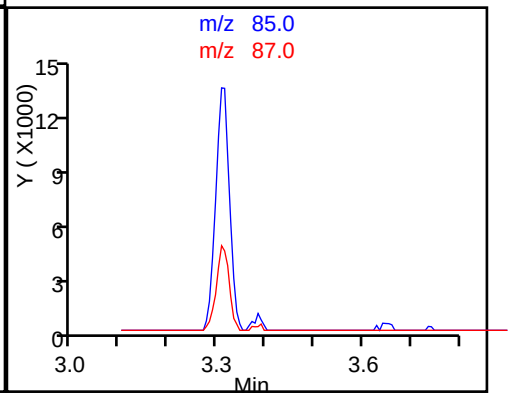












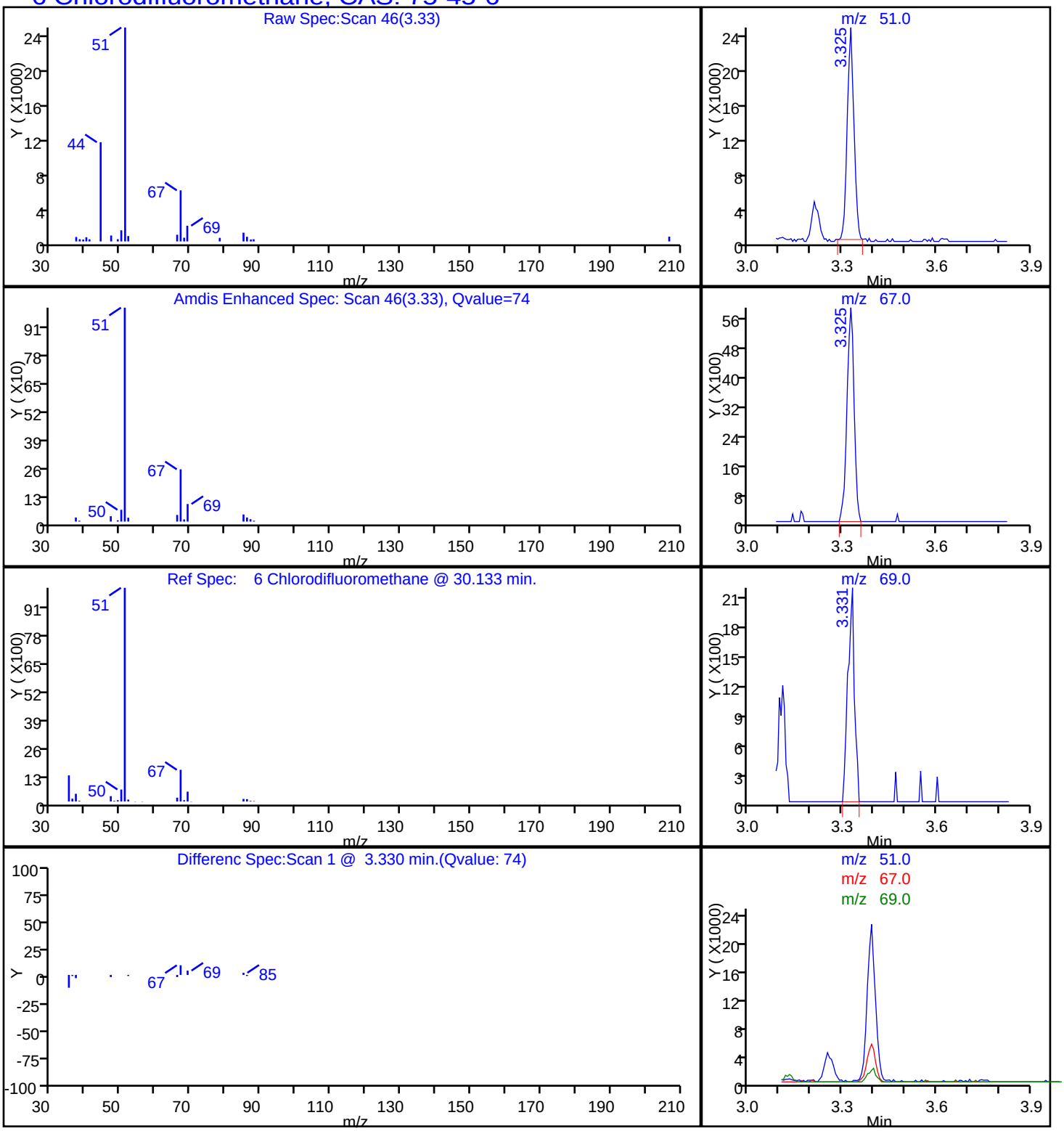
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



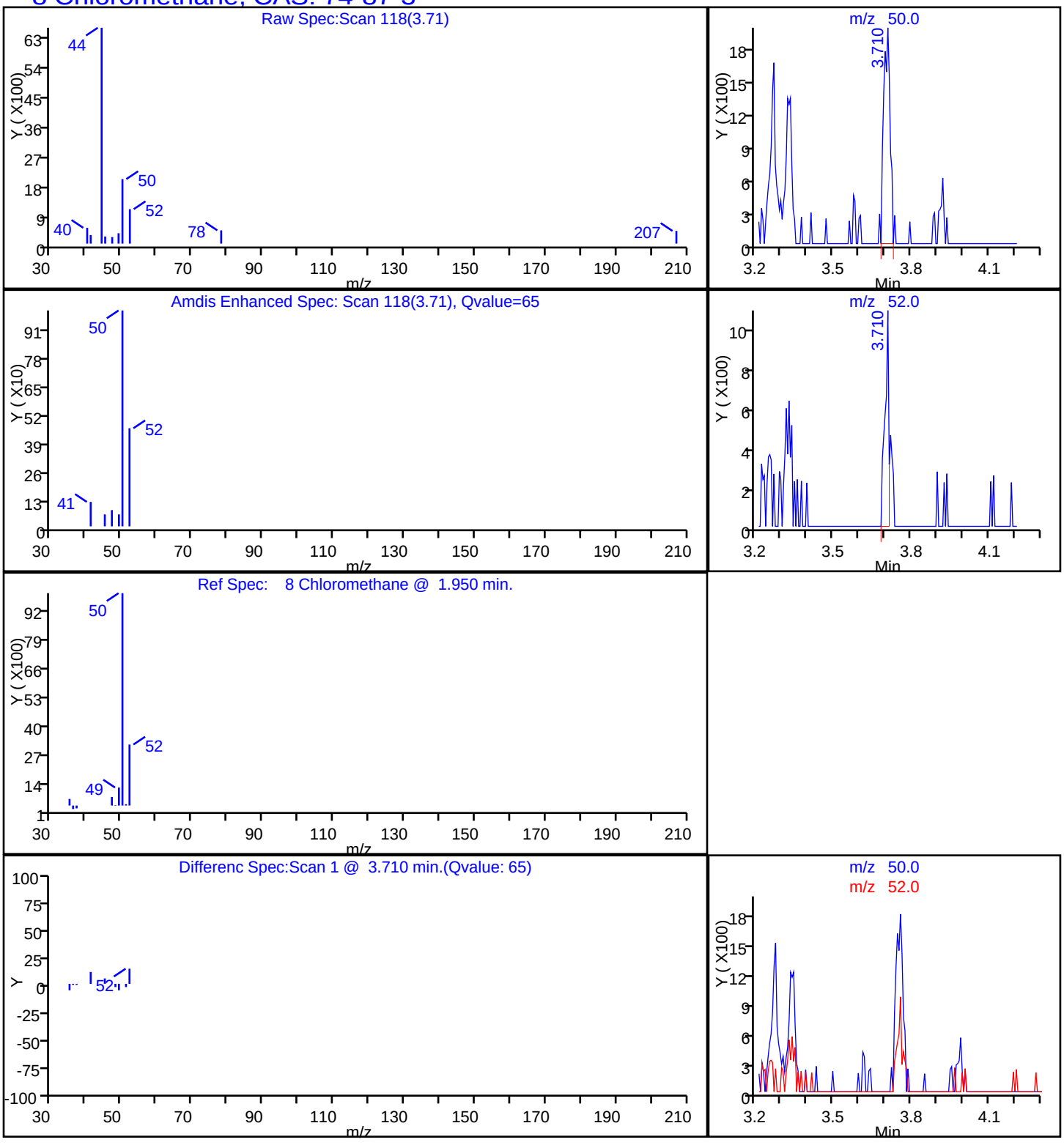
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3



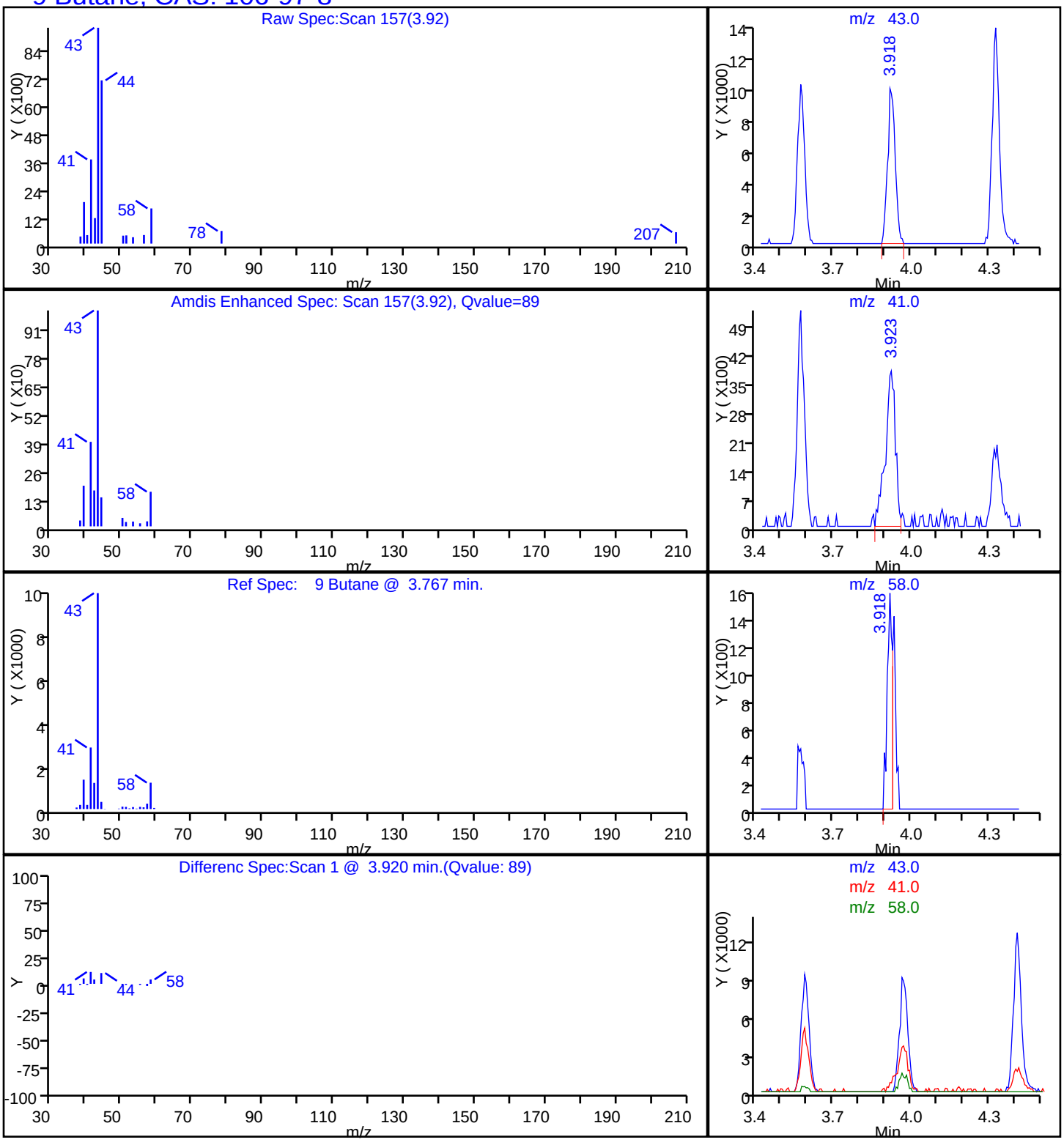
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



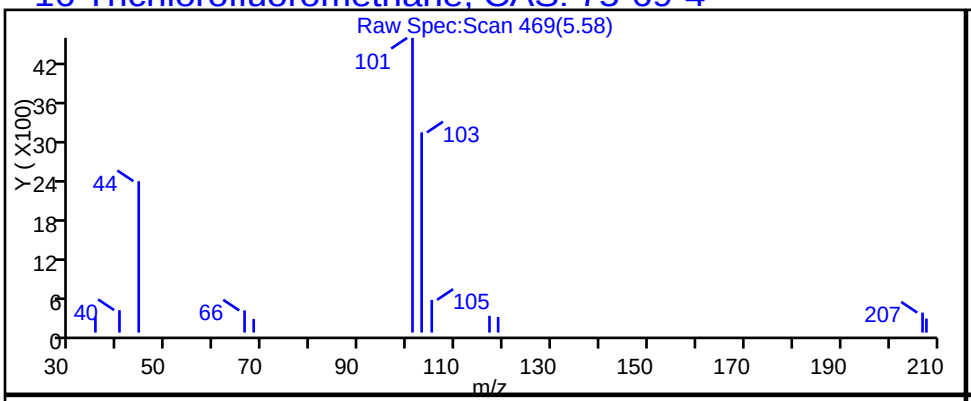
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

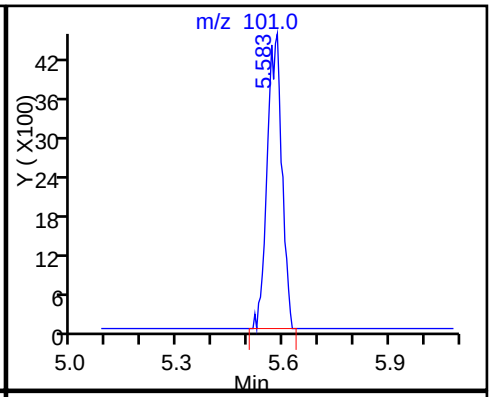
TestAmerica Burlington

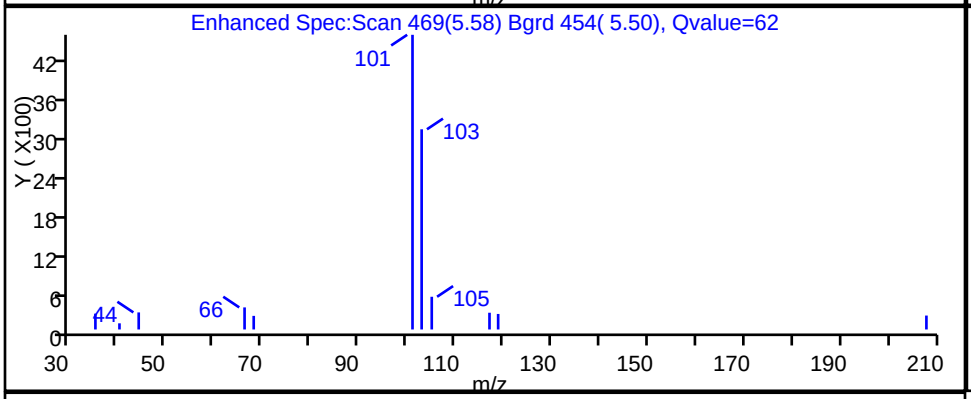
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

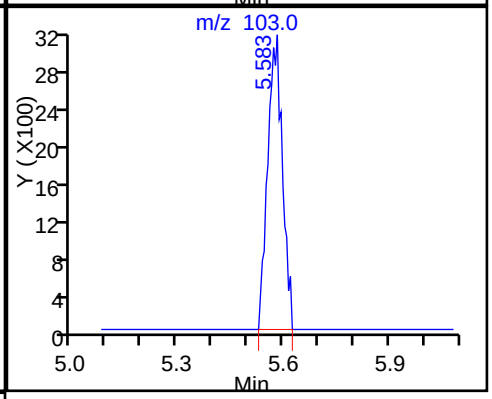
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

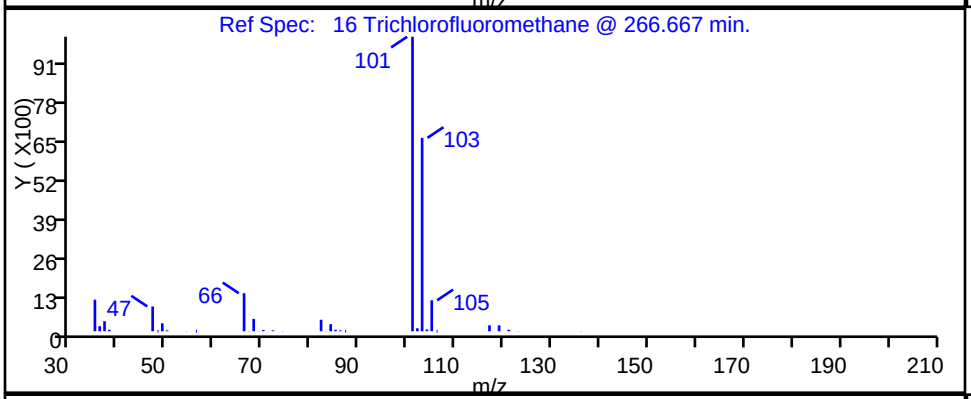
16 Trichlorofluoromethane, CAS: 75-69-4

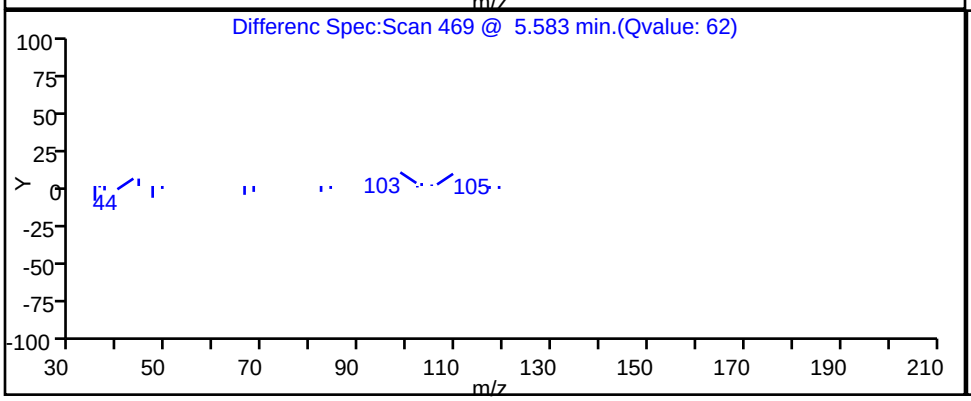


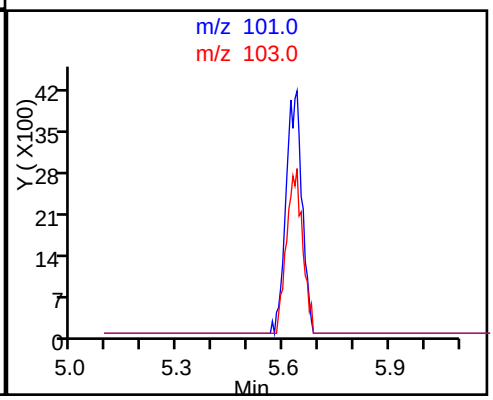












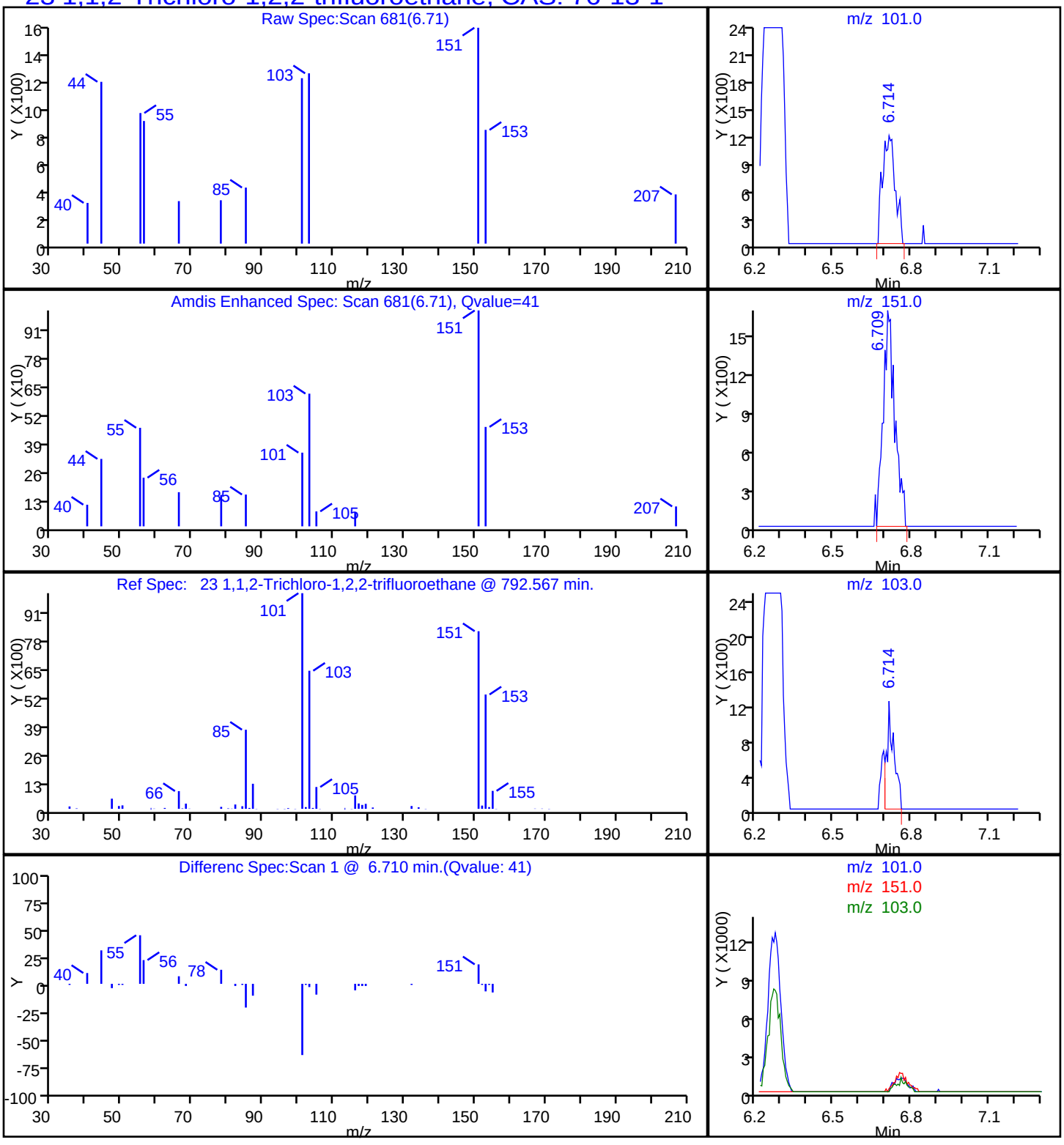
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



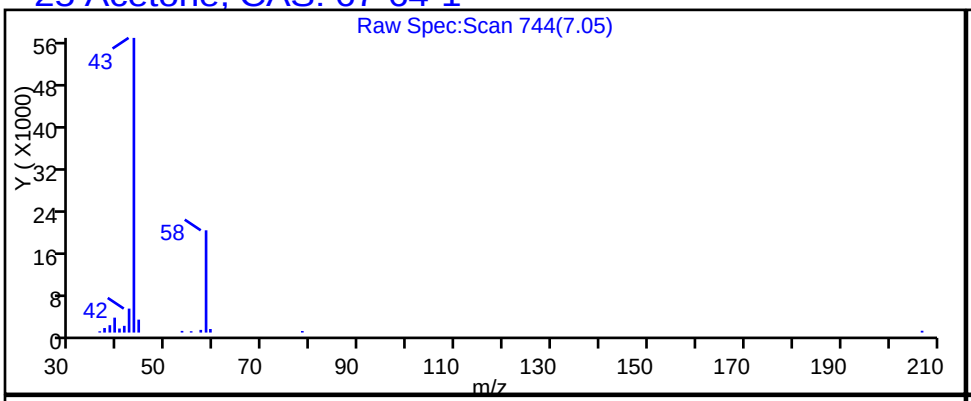
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

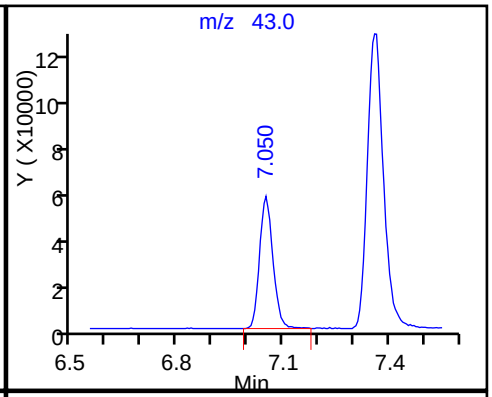
TestAmerica Burlington

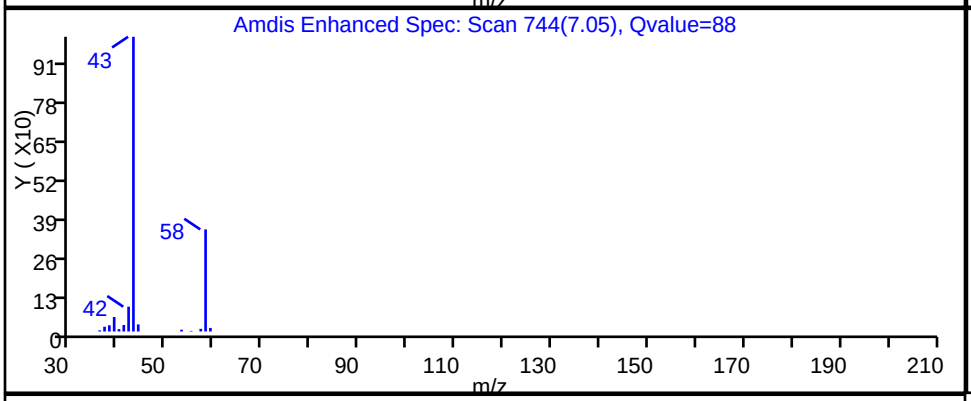
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

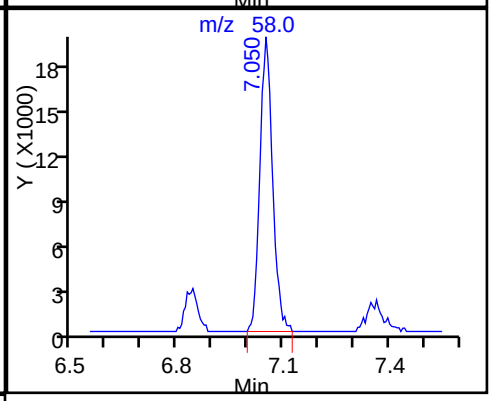
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

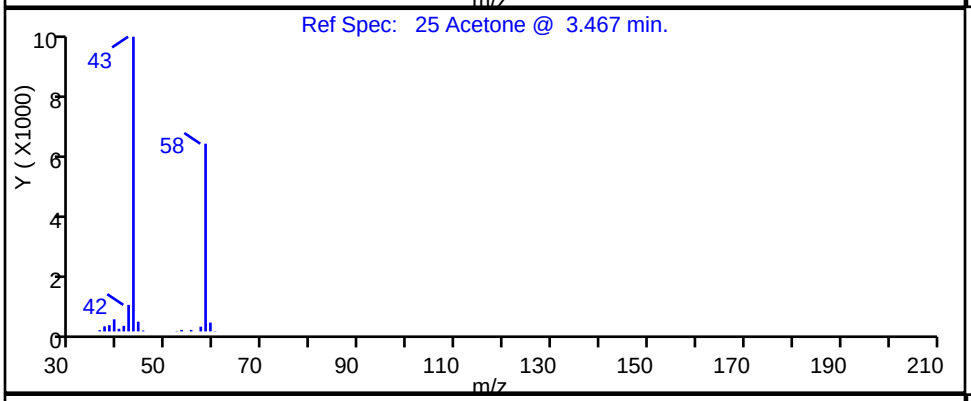
25 Acetone, CAS: 67-64-1

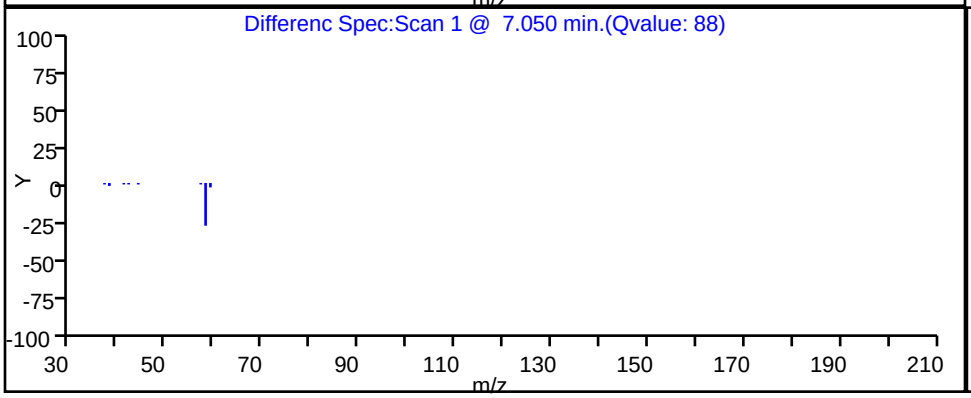


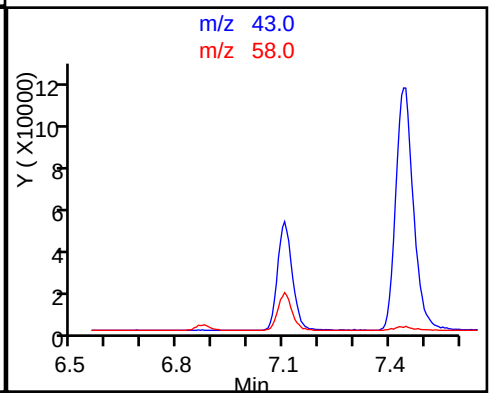












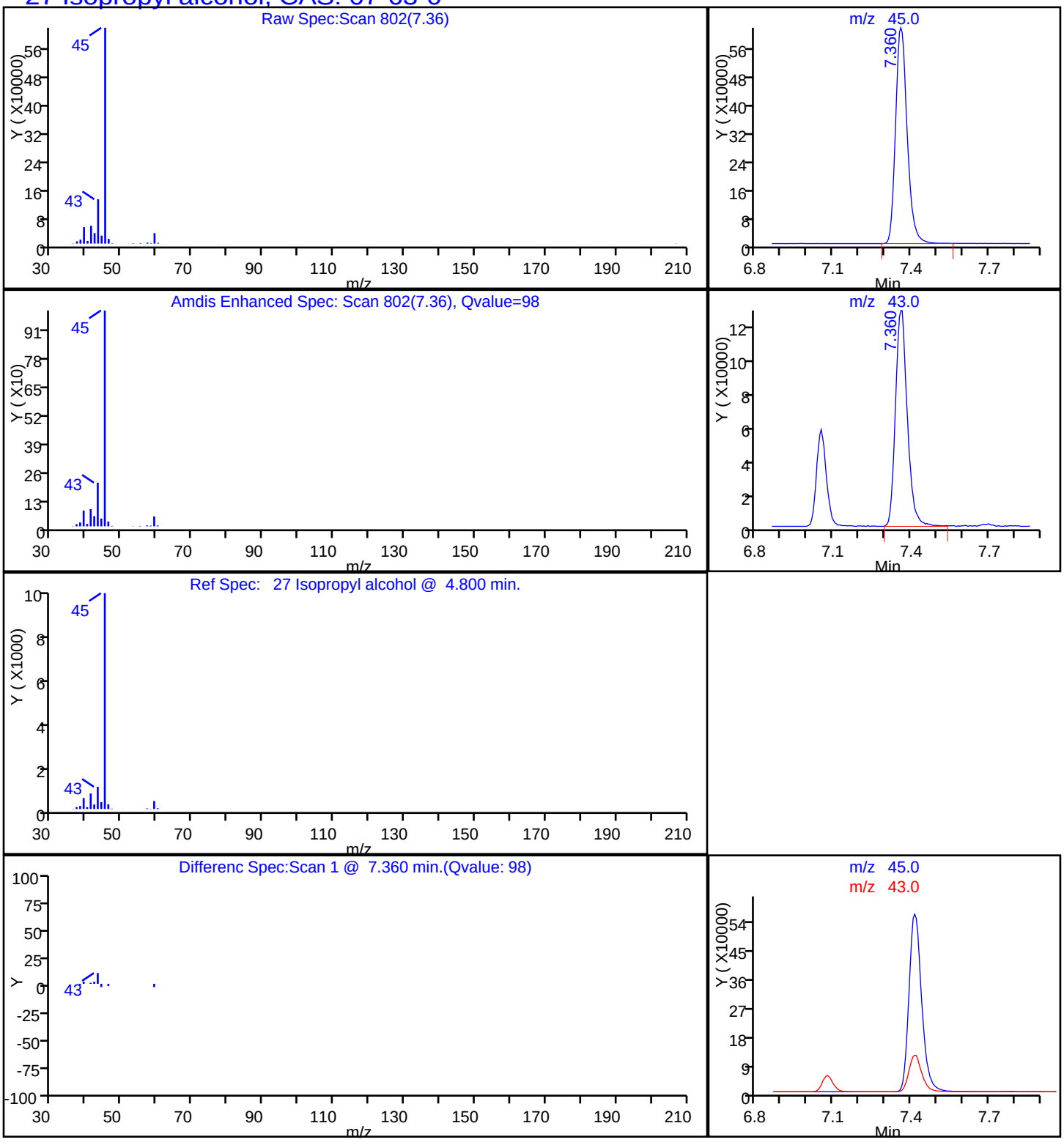
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0

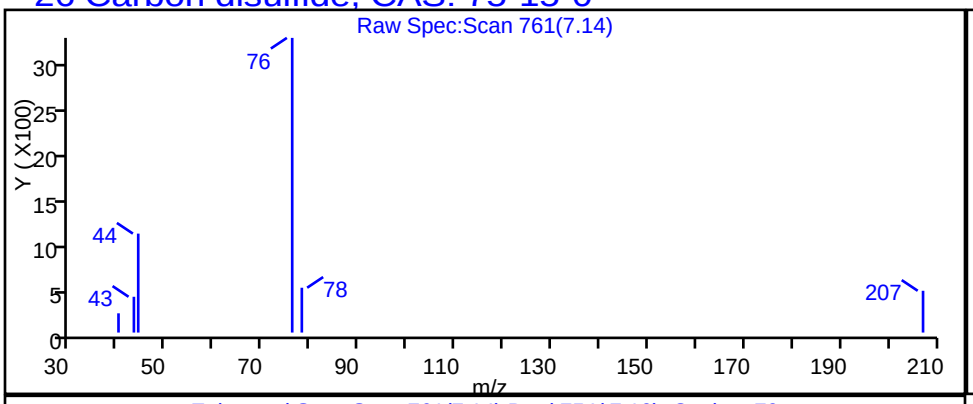


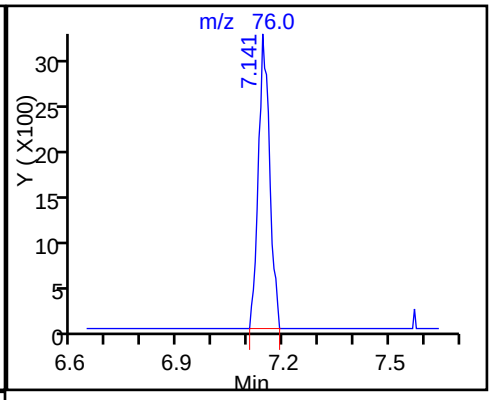
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

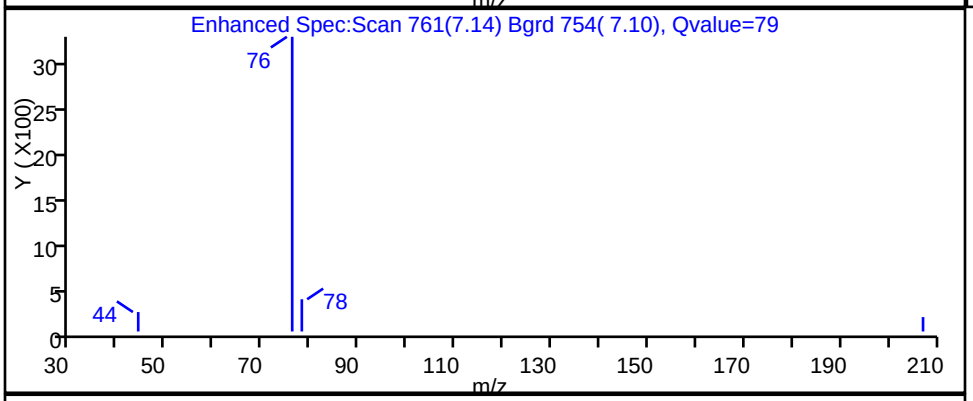
TestAmerica Burlington

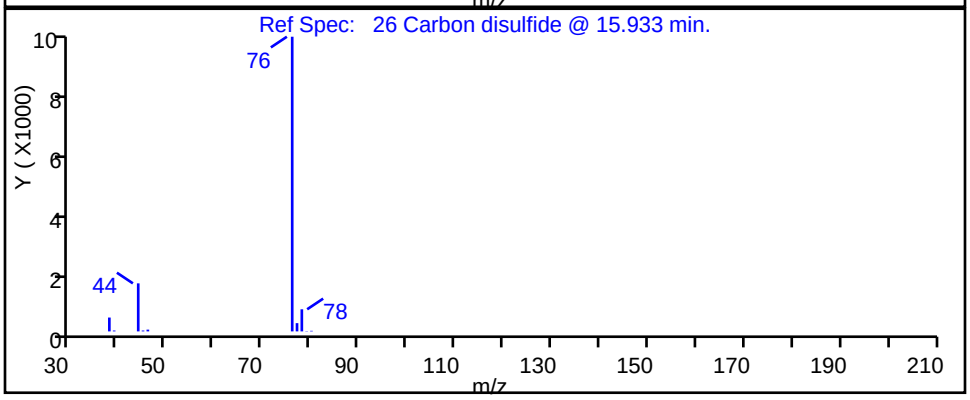
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D				
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0







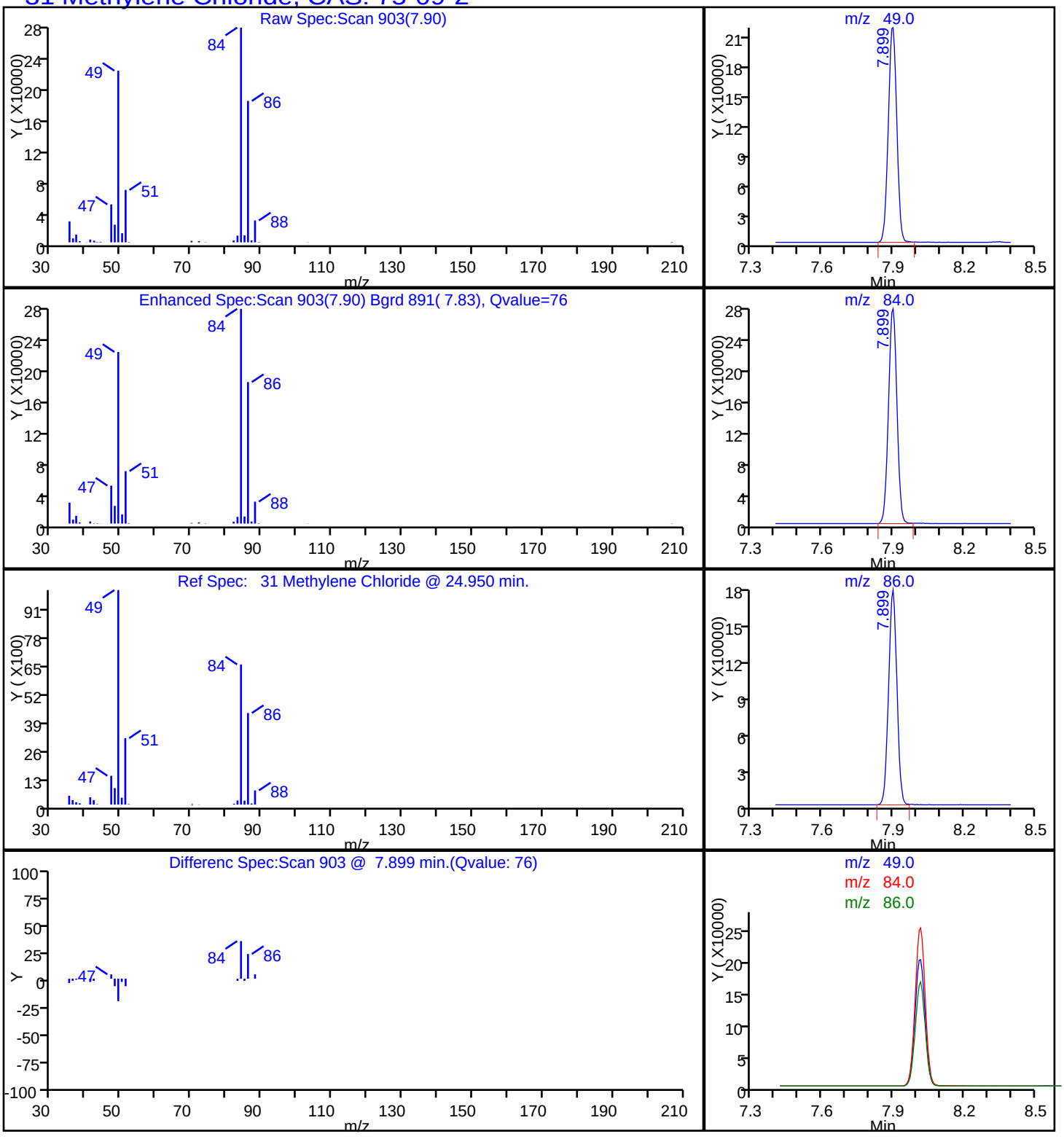


Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D				
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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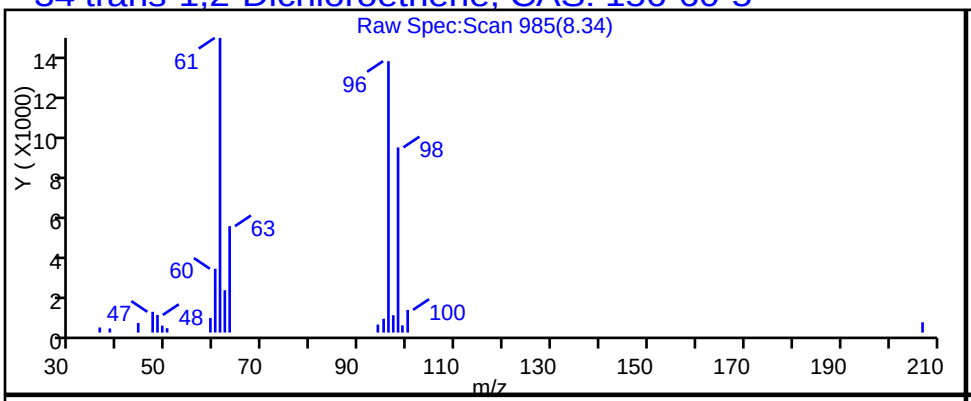
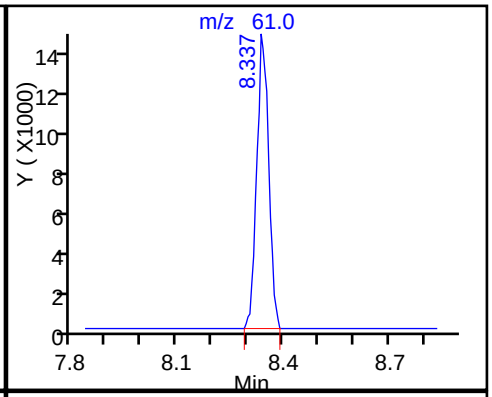
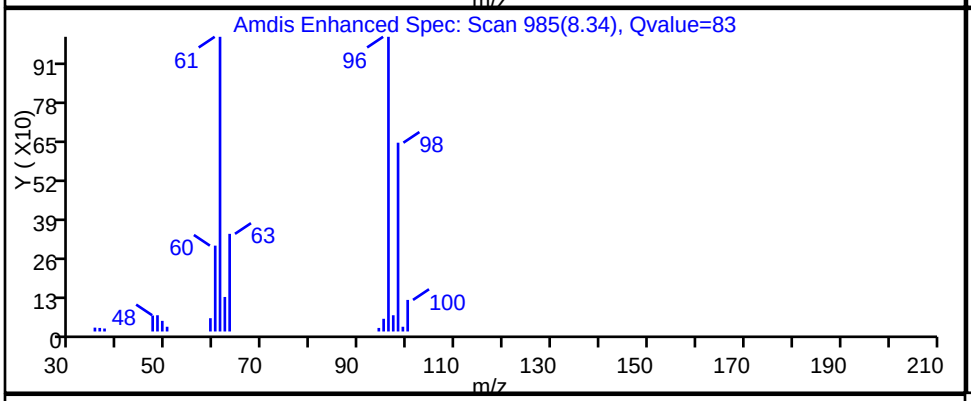
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

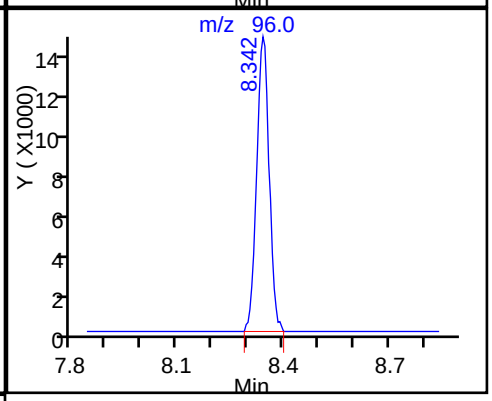
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

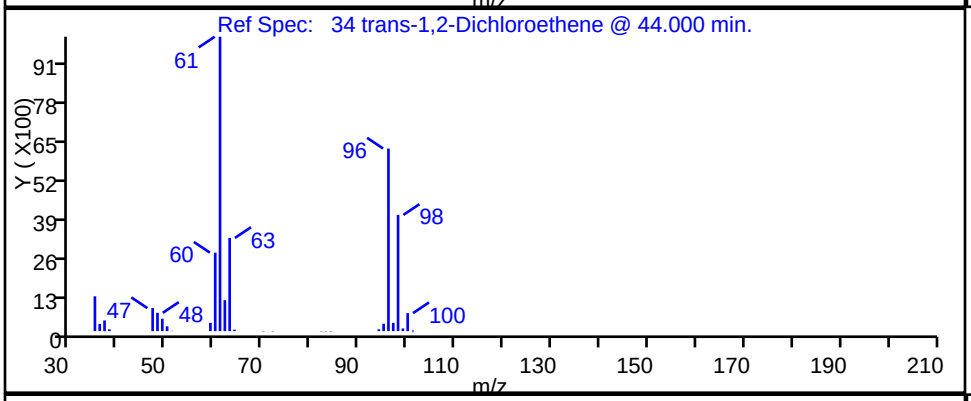
34 trans-1,2-Dichloroethene, CAS: 156-60-5

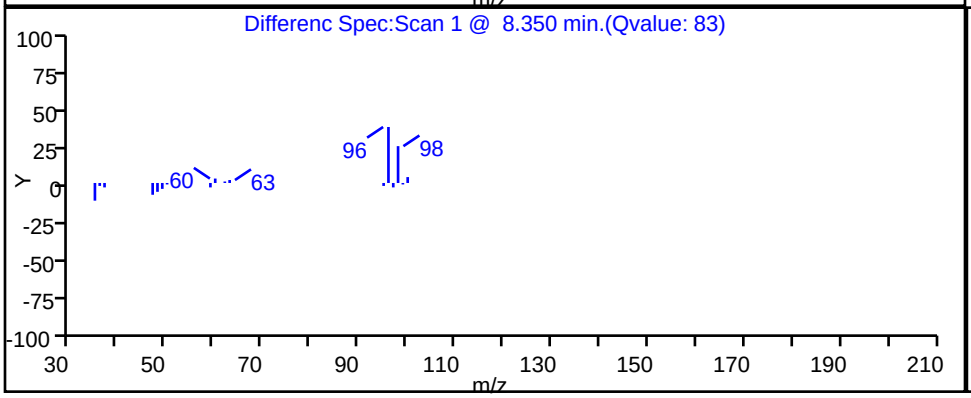


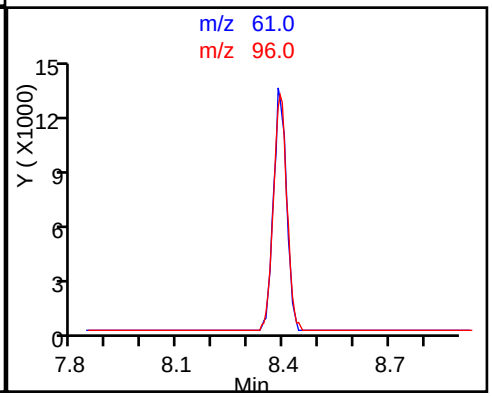












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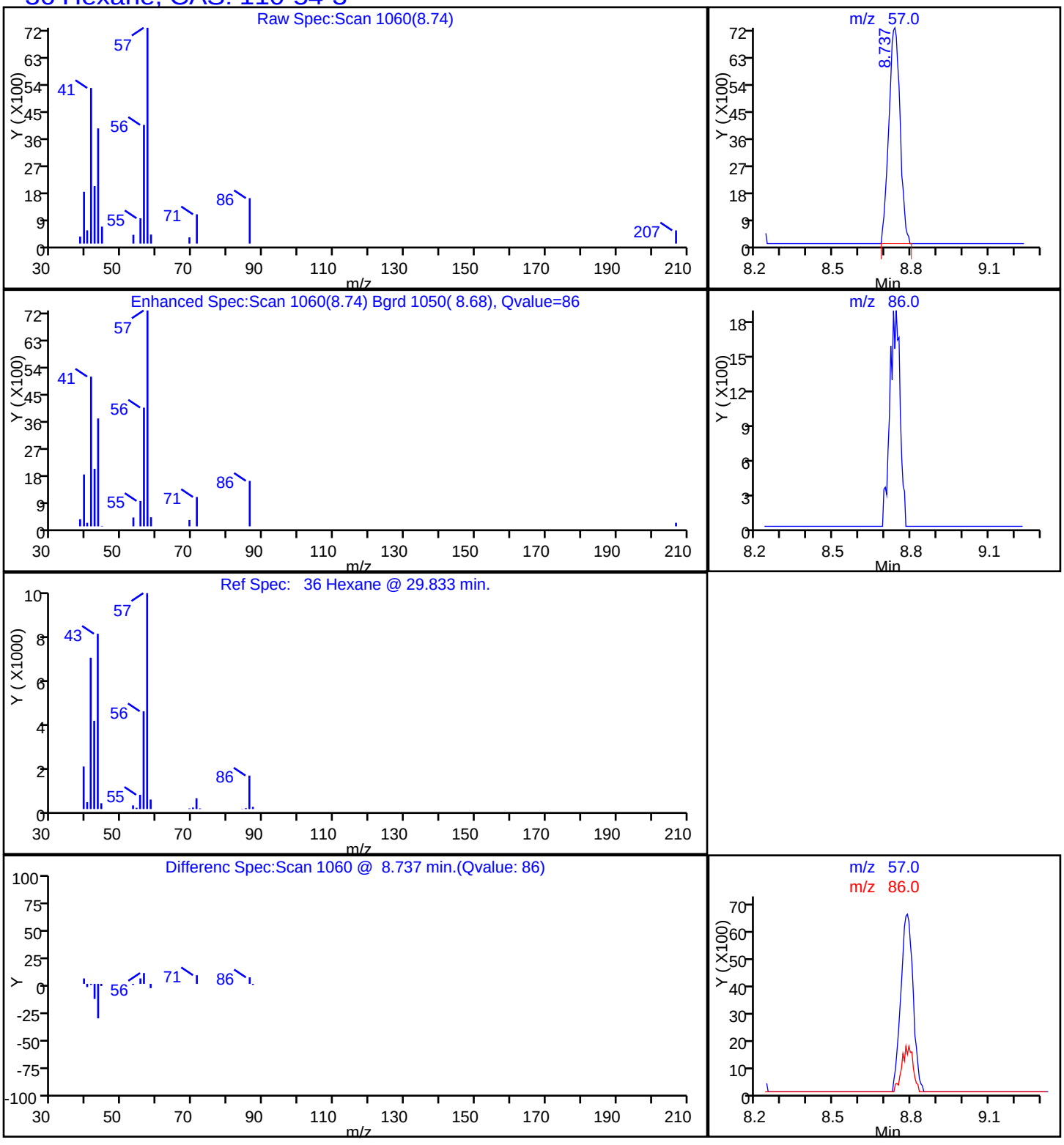
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



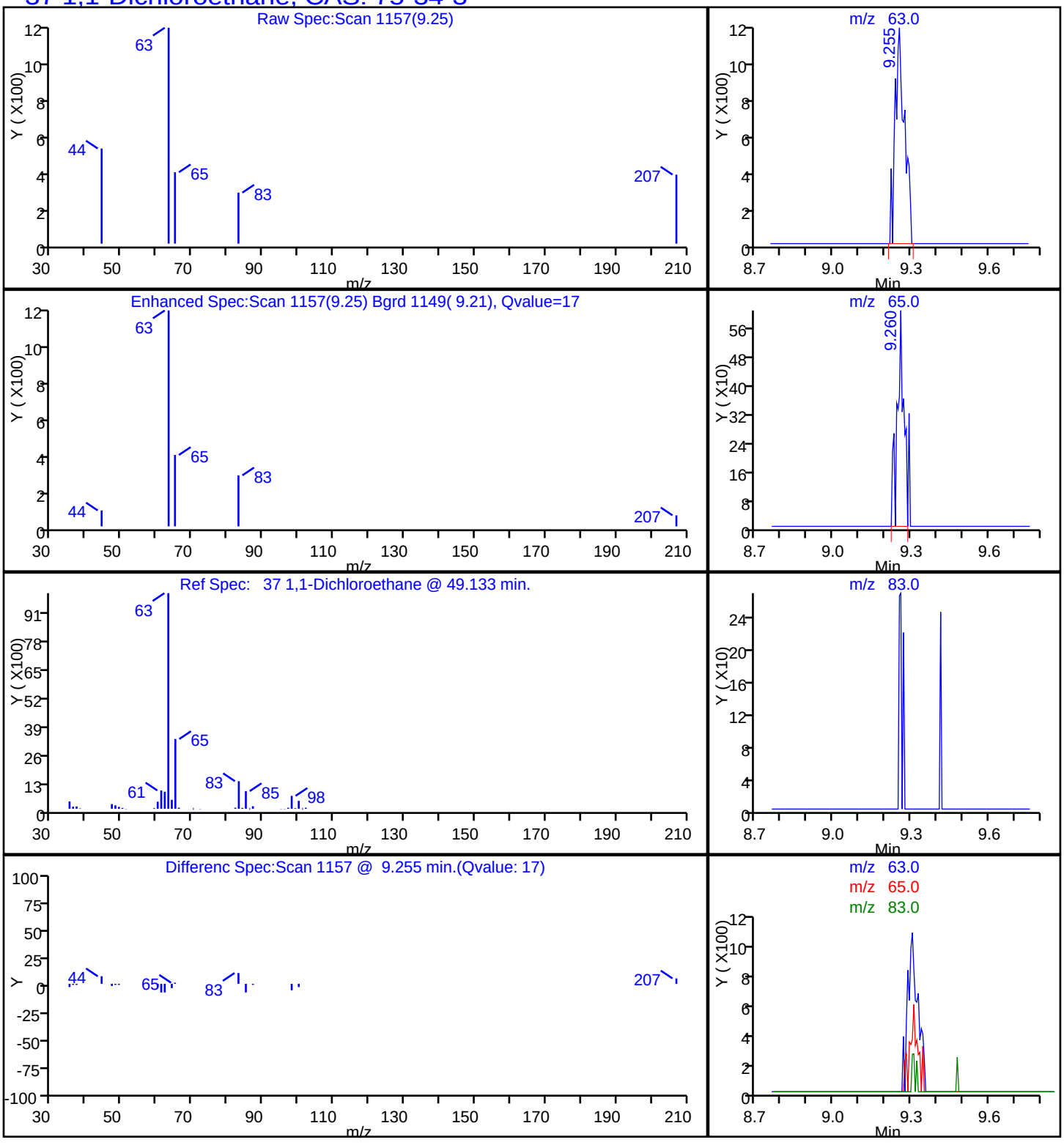
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



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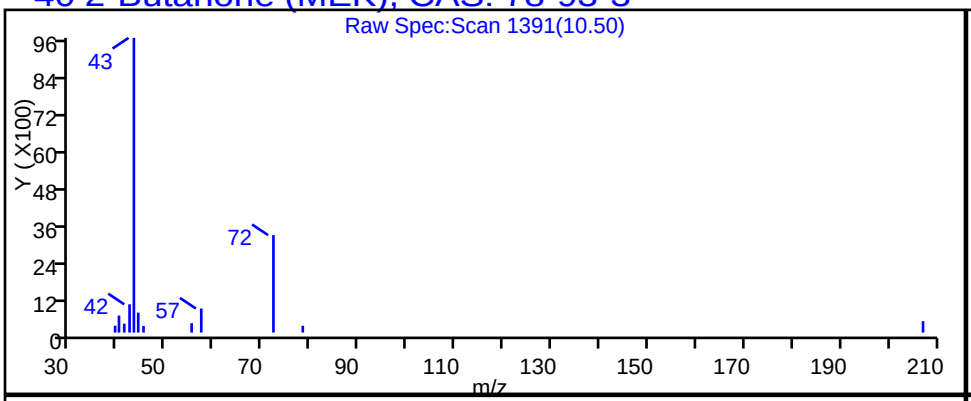
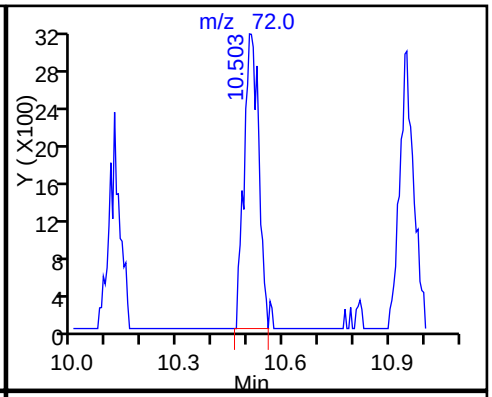
TestAmerica Burlington

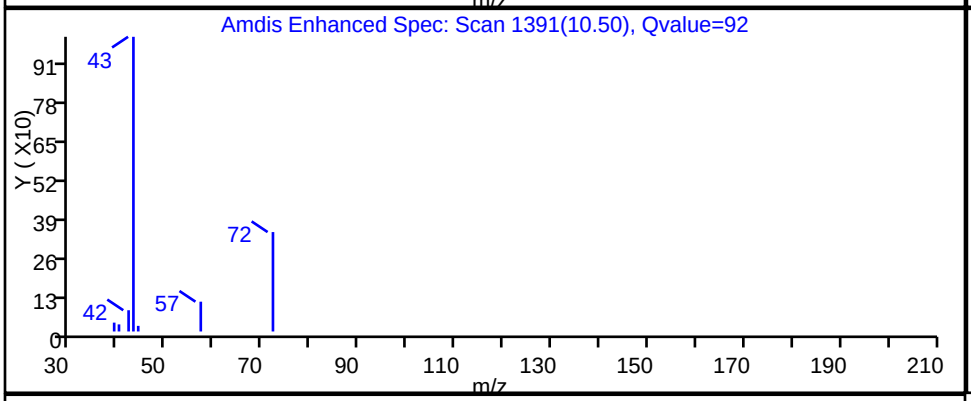
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

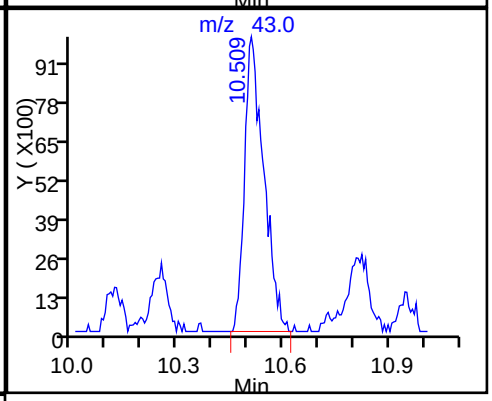
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

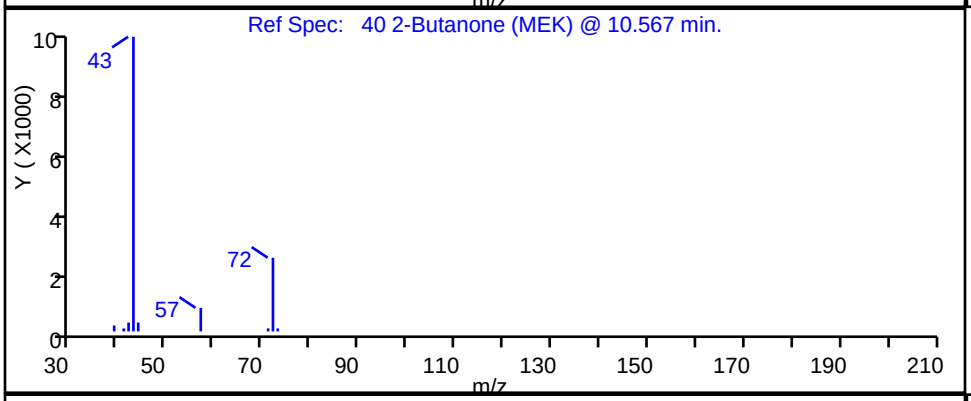
40 2-Butanone (MEK), CAS: 78-93-3

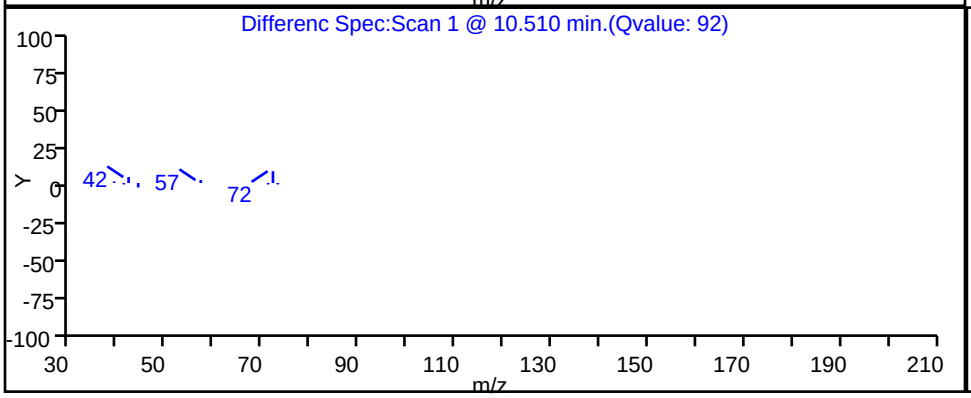


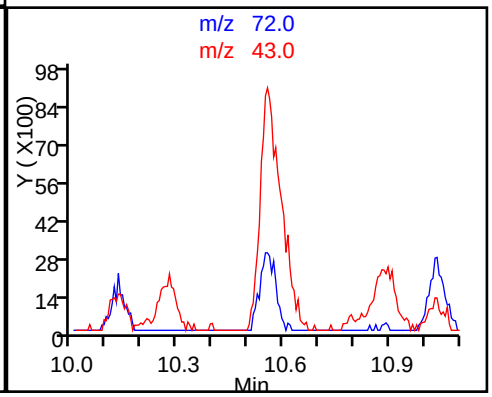












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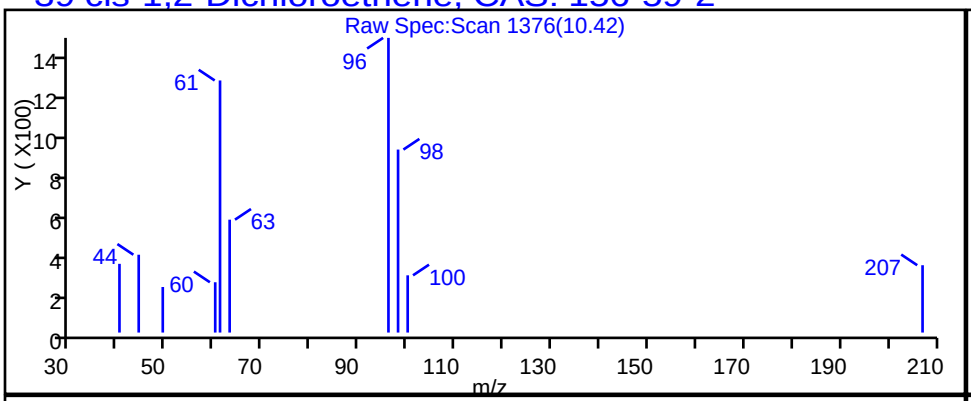
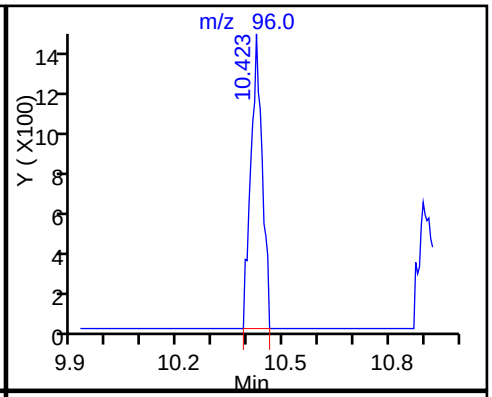
TestAmerica Burlington

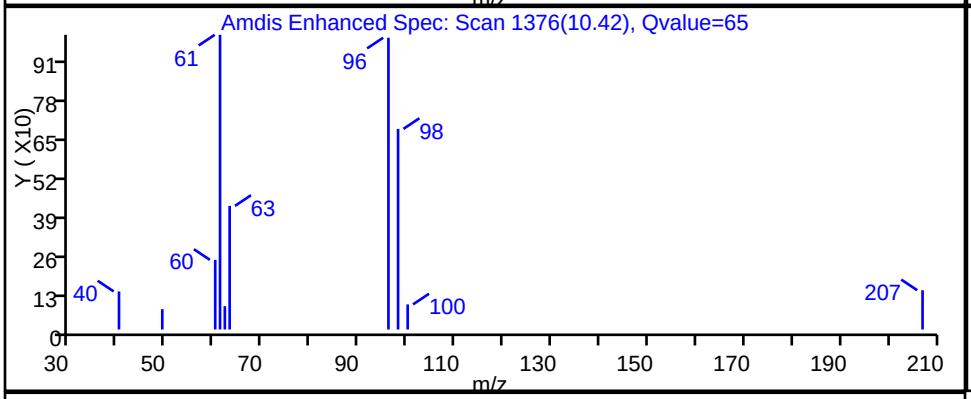
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

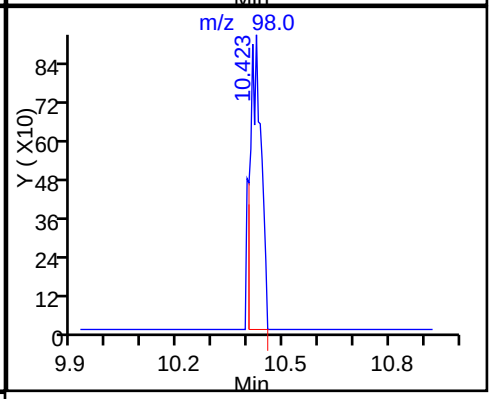
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

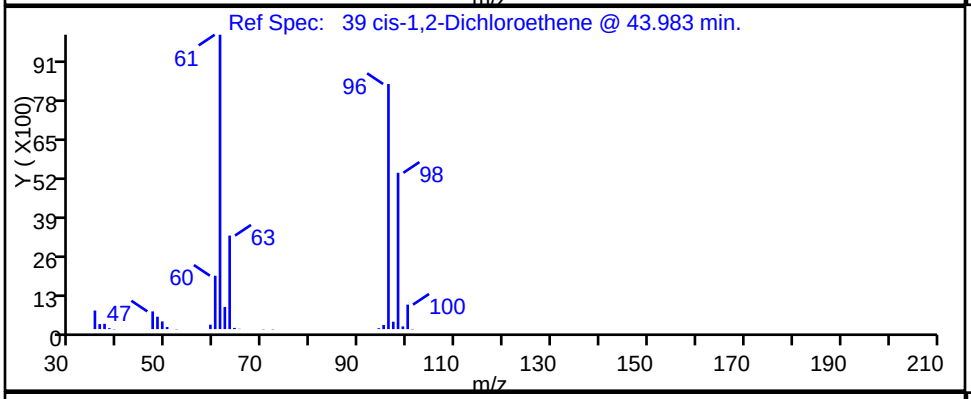
39 cis-1,2-Dichloroethene, CAS: 156-59-2

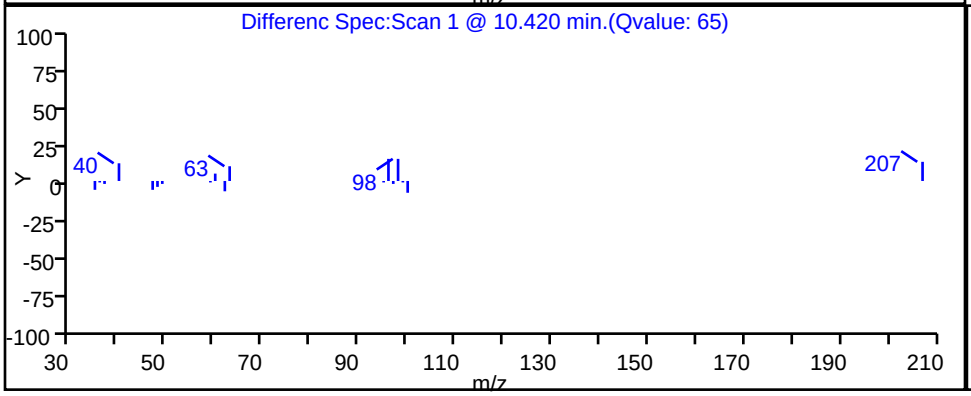


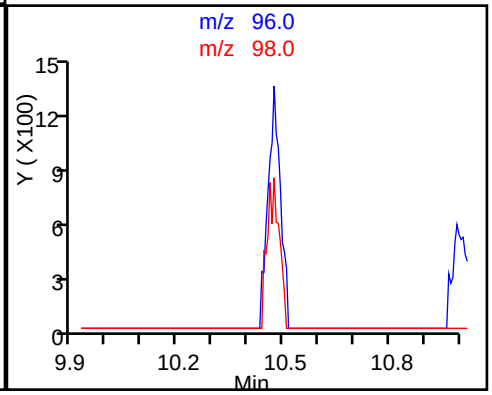












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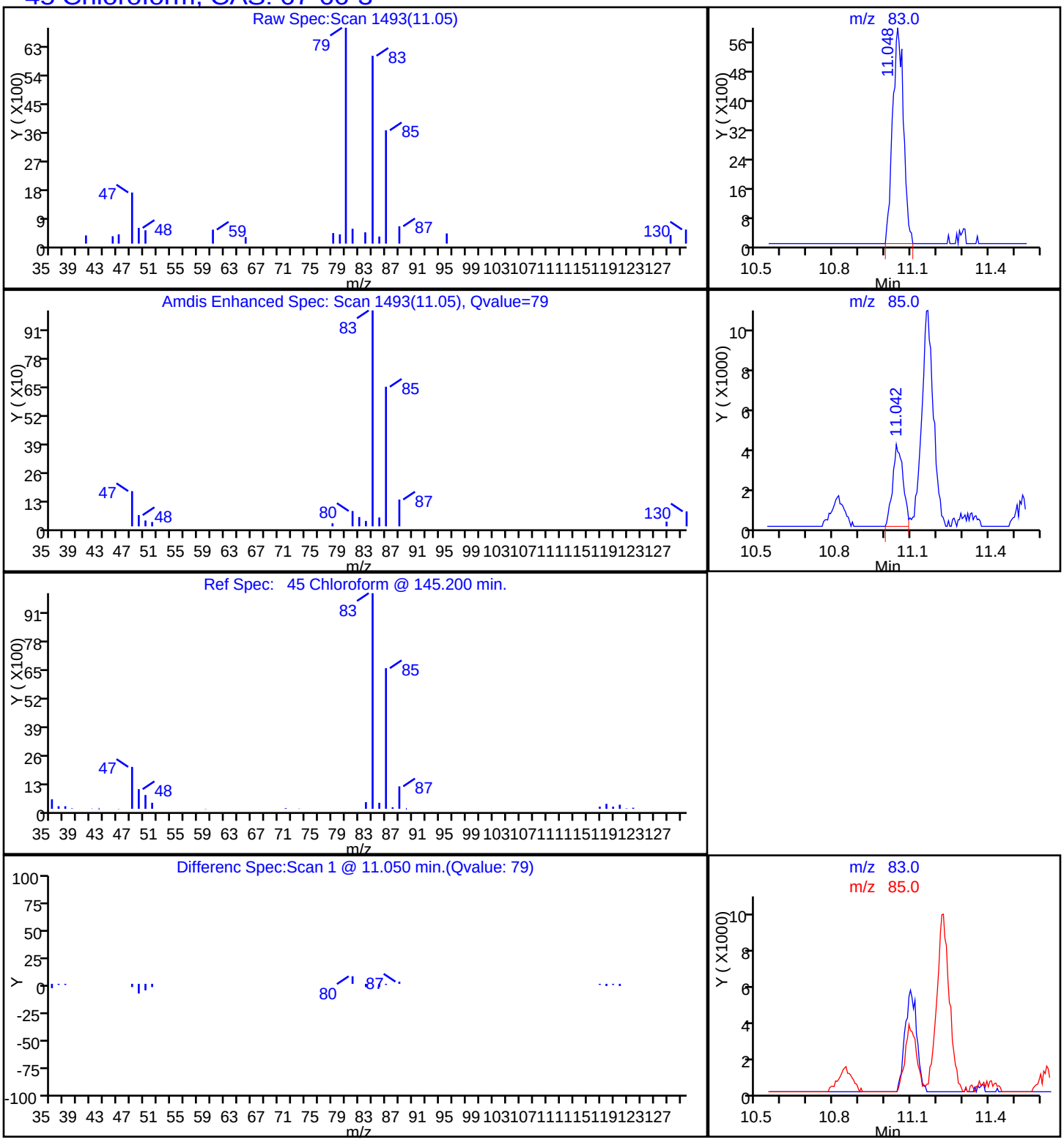
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



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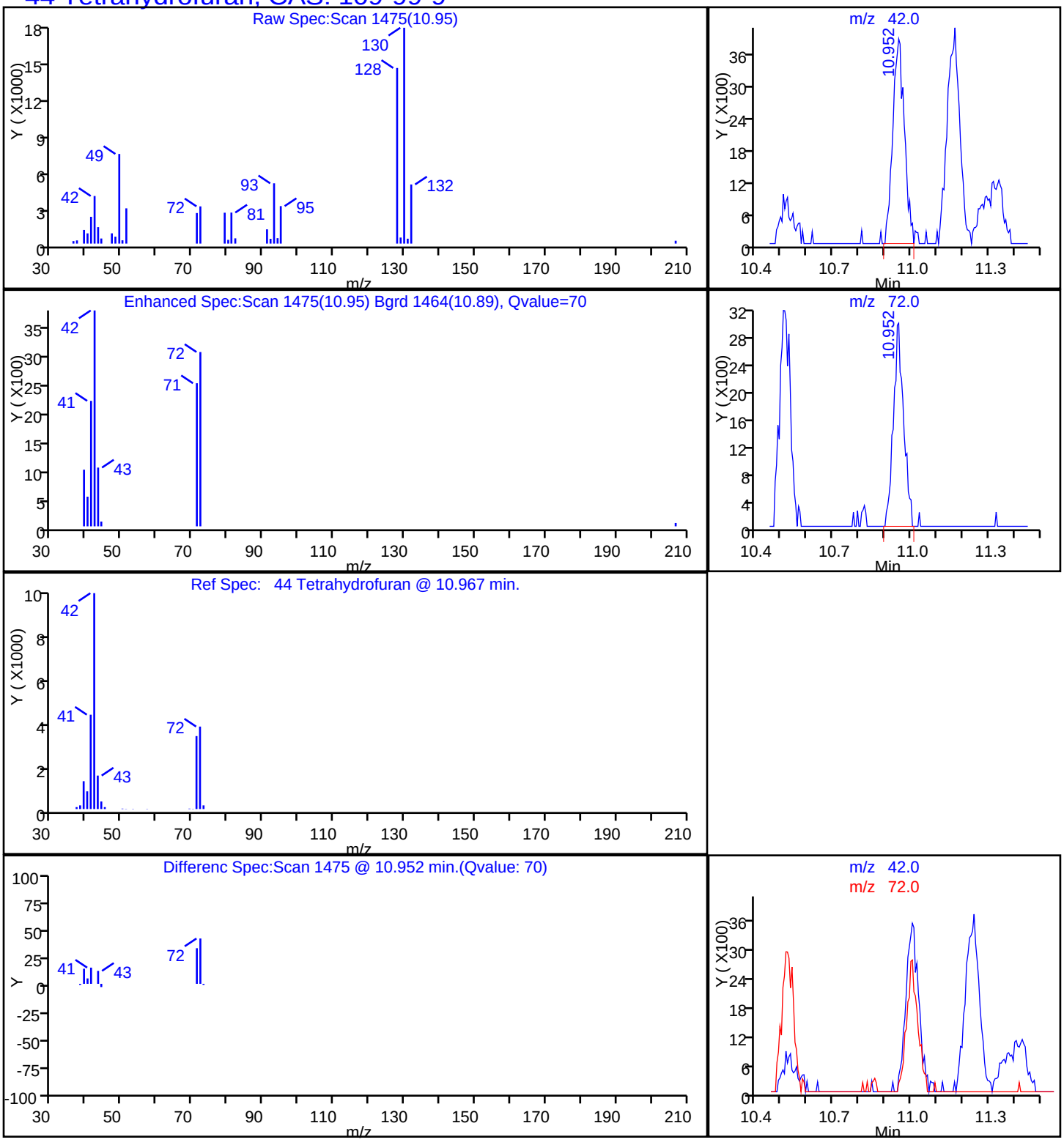
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Tetrahydrofuran, CAS: 109-99-9



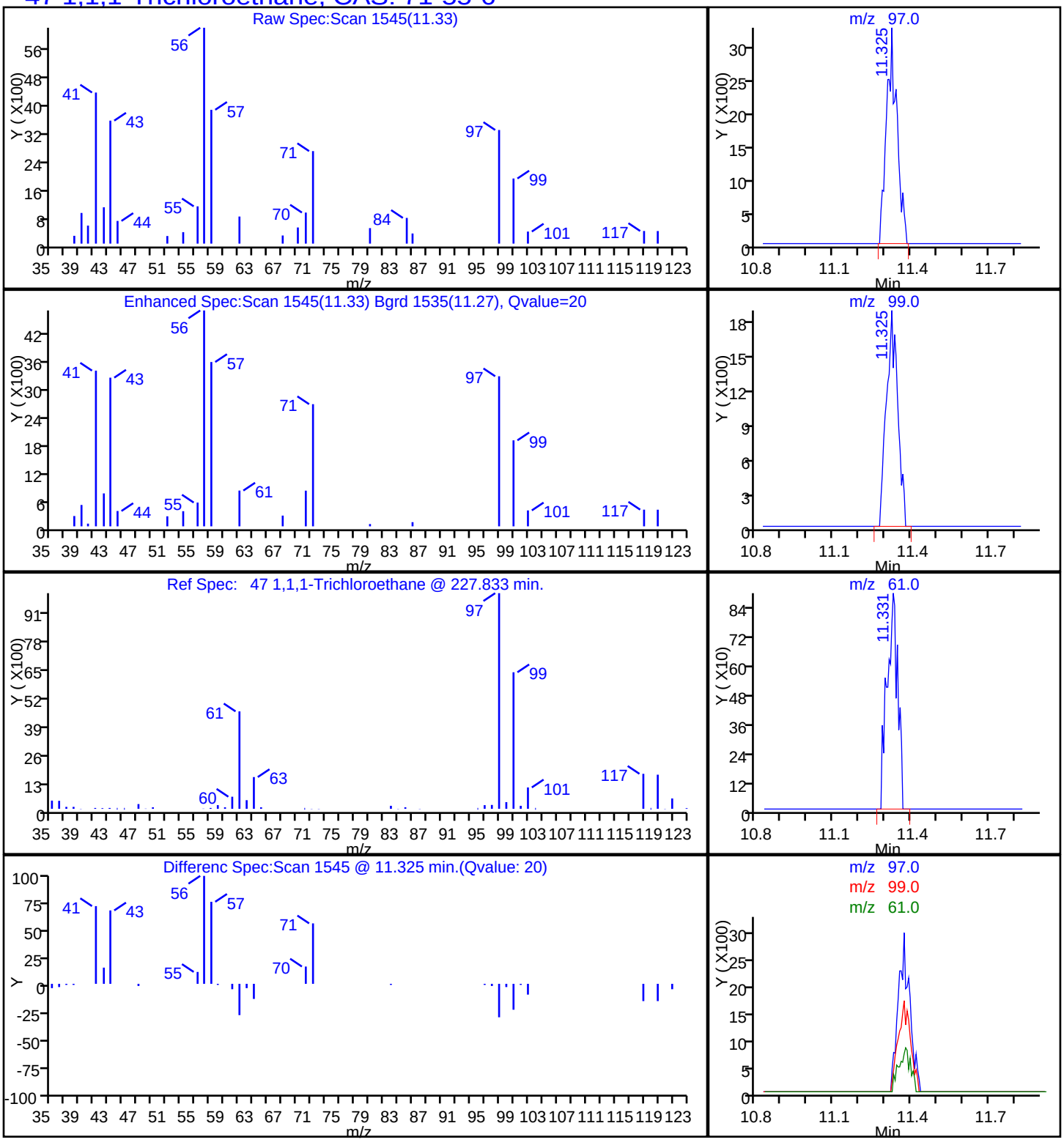
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



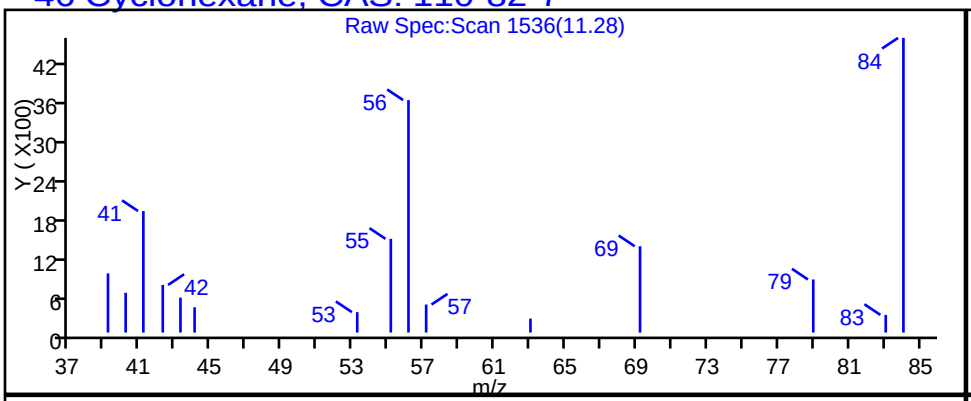
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

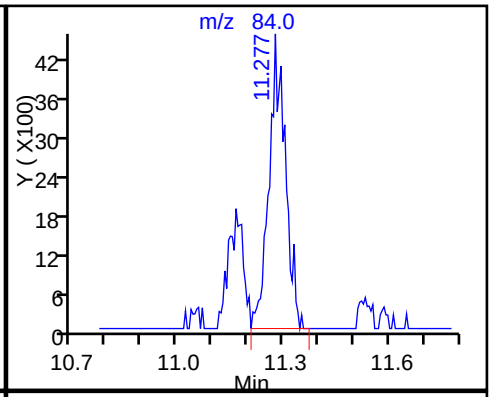
TestAmerica Burlington

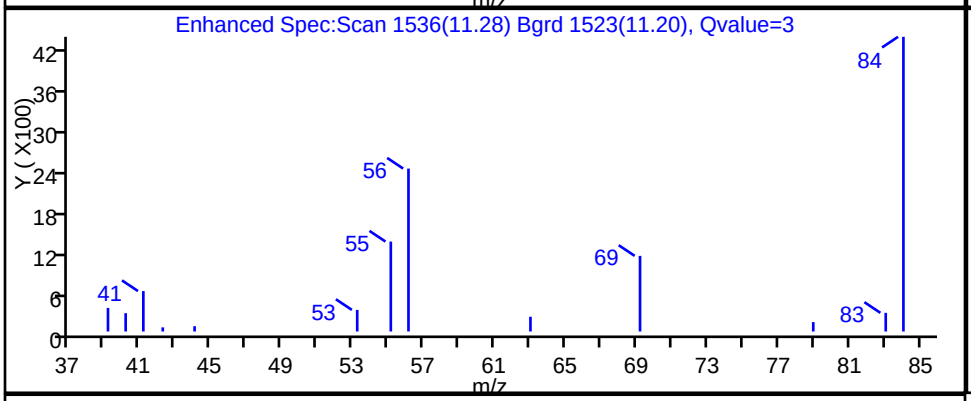
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

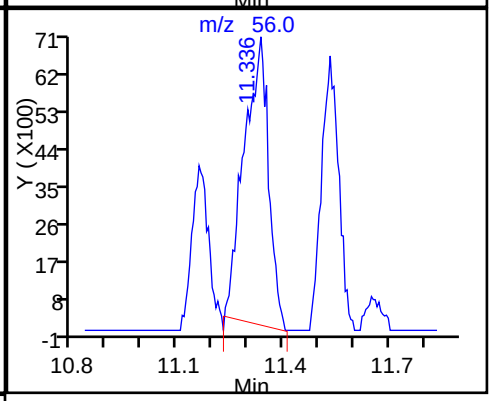
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

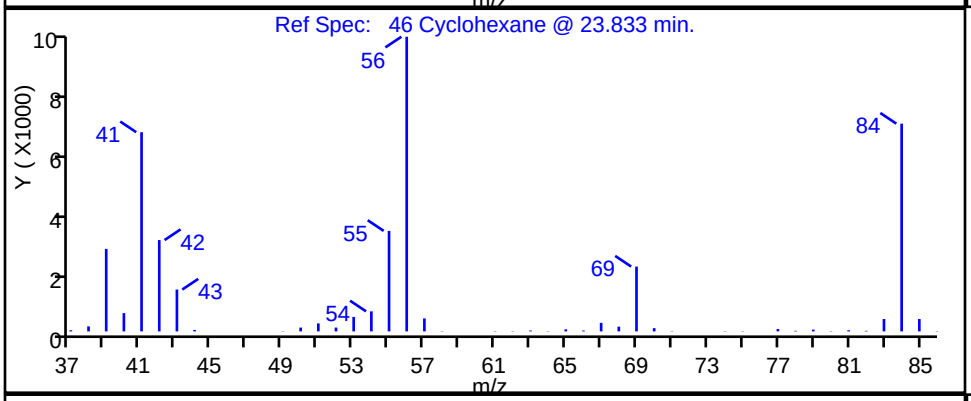
46 Cyclohexane, CAS: 110-82-7

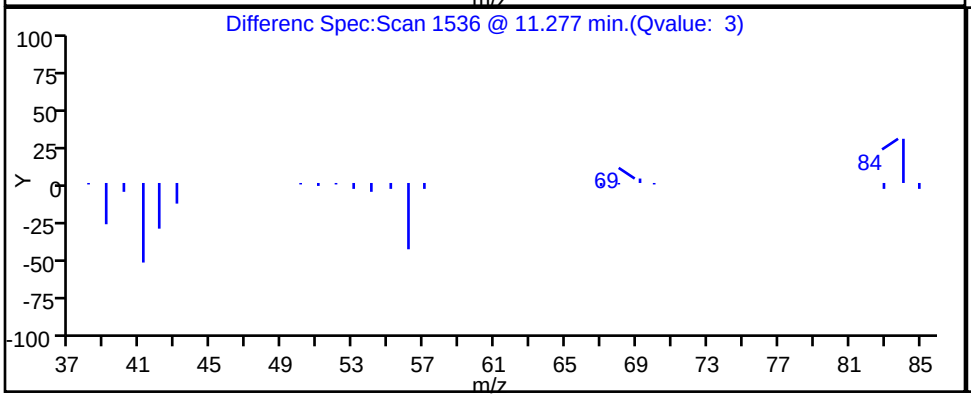


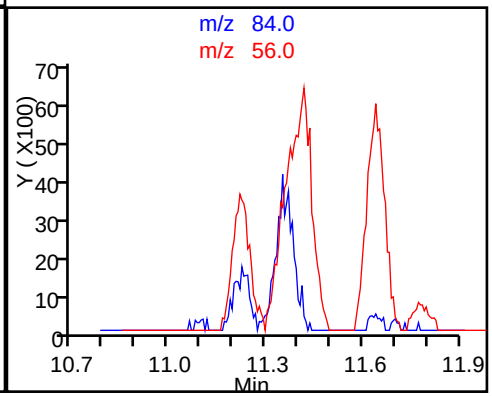










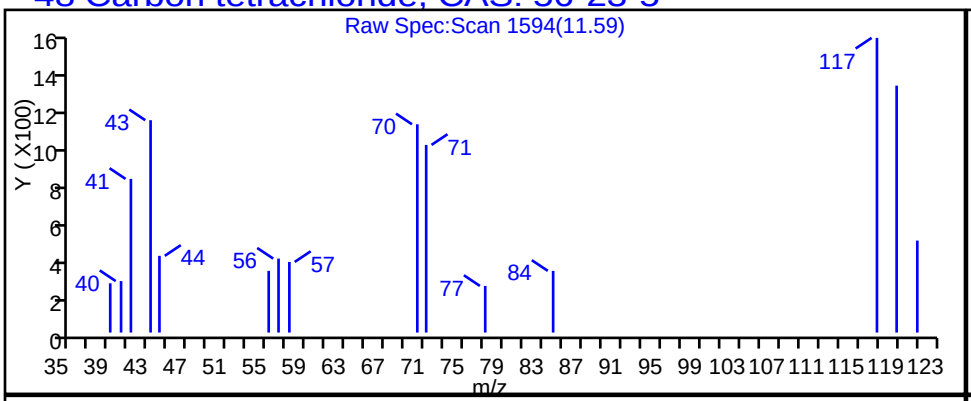


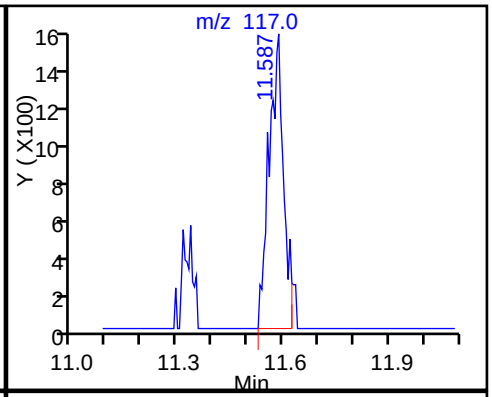
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

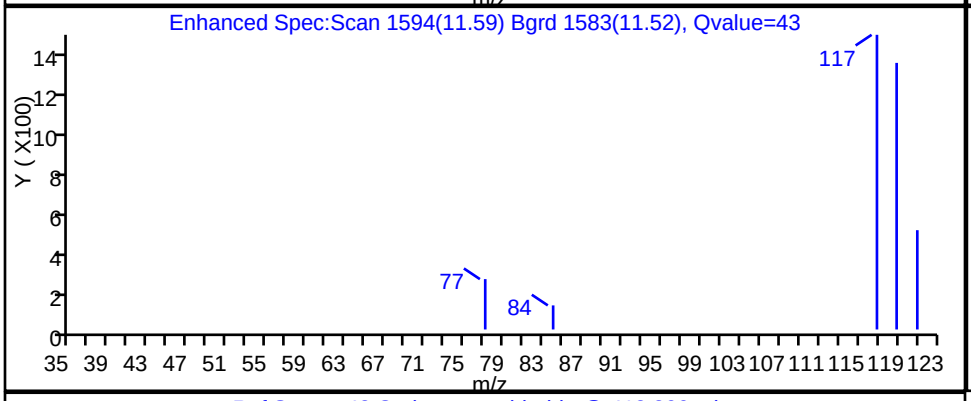
TestAmerica Burlington

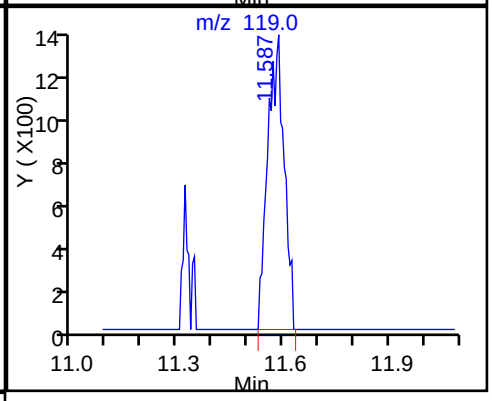
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D				
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

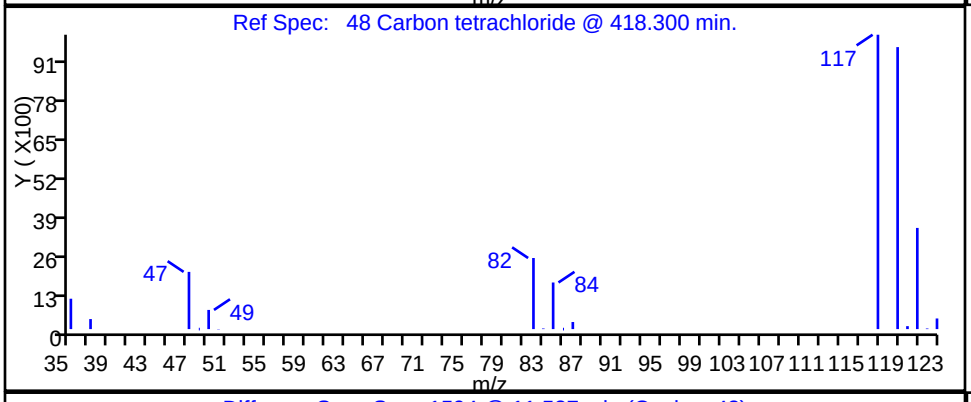
48 Carbon tetrachloride, CAS: 56-23-5

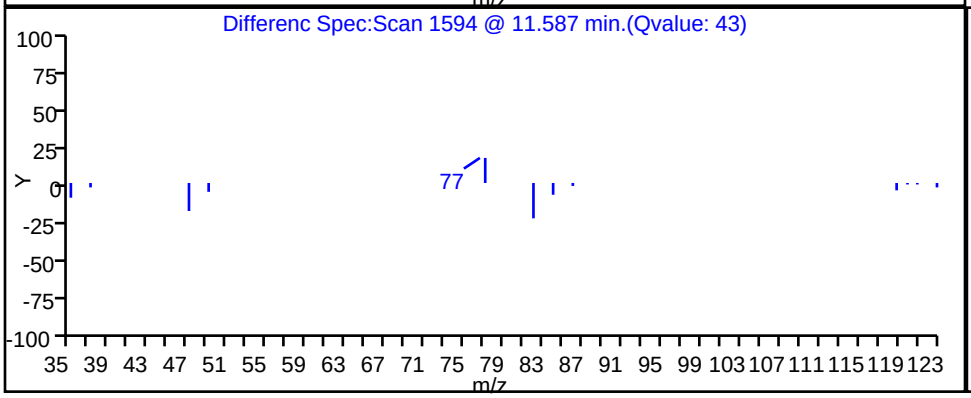


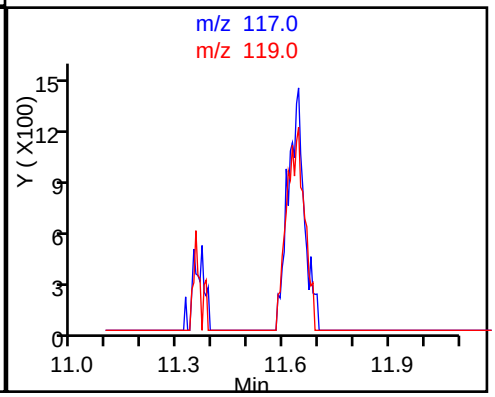












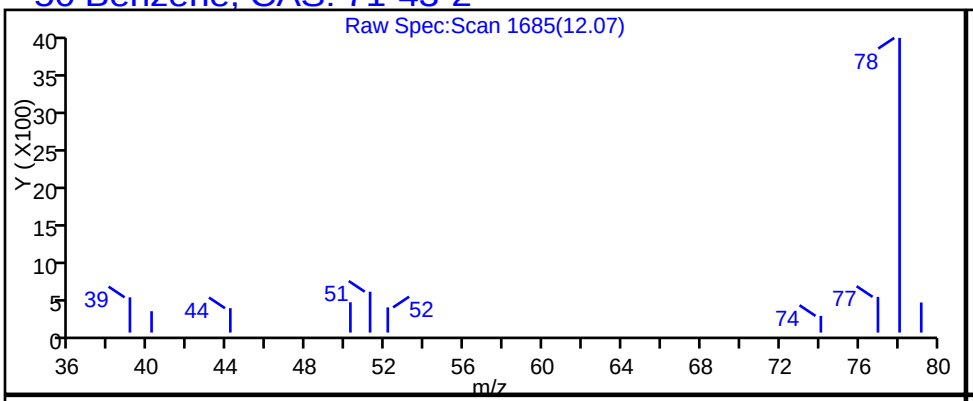
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

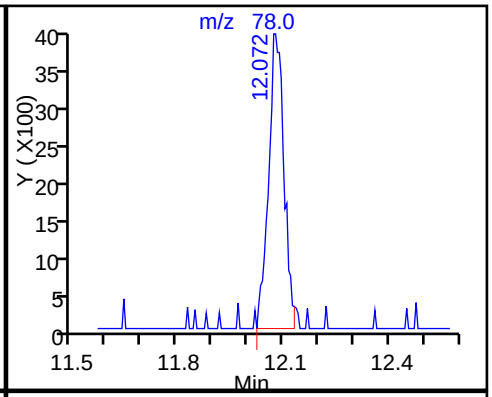
TestAmerica Burlington

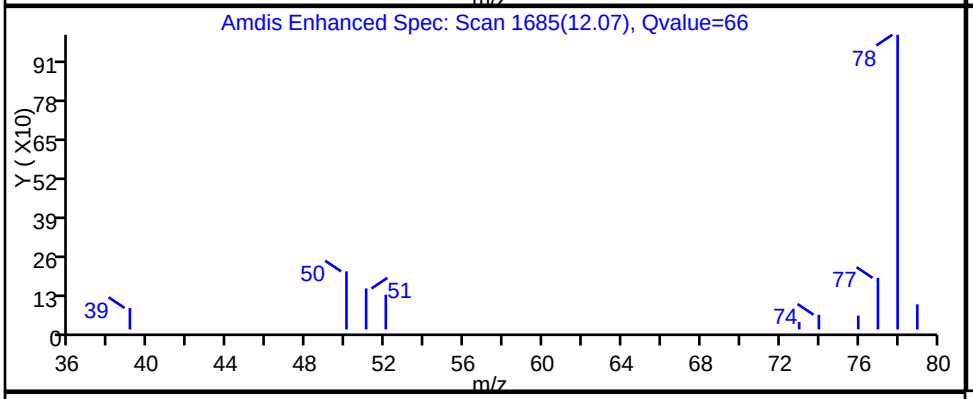
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

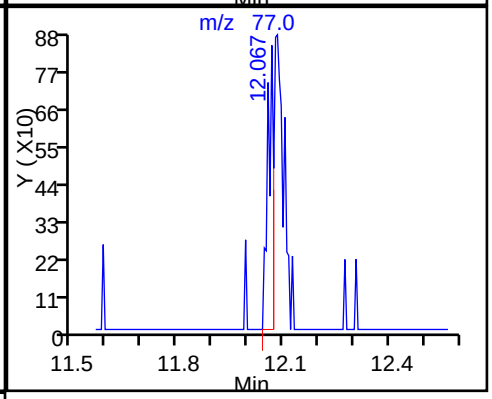
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

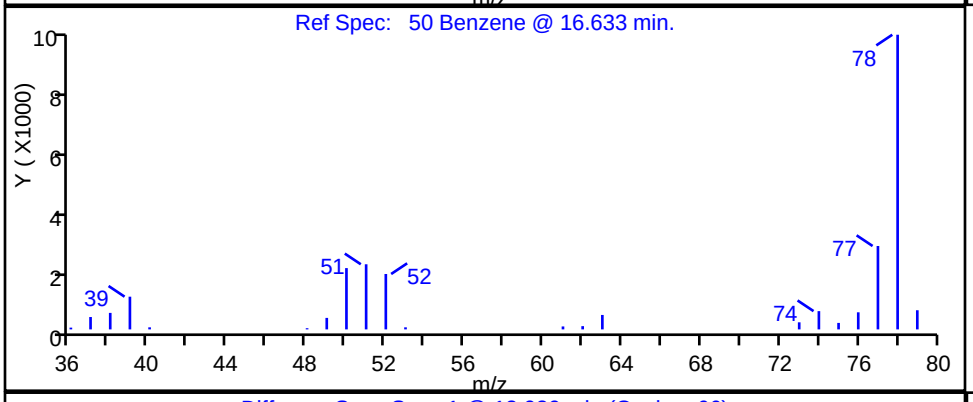
50 Benzene, CAS: 71-43-2

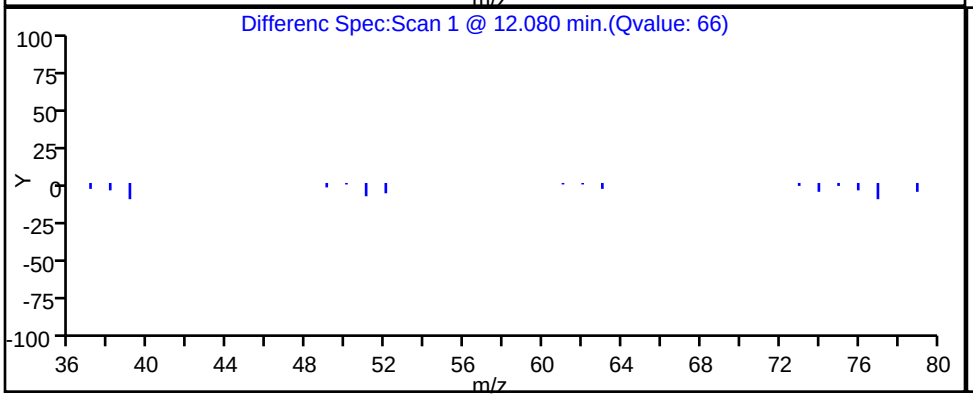


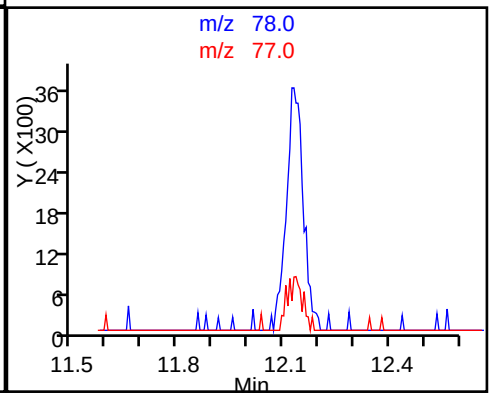












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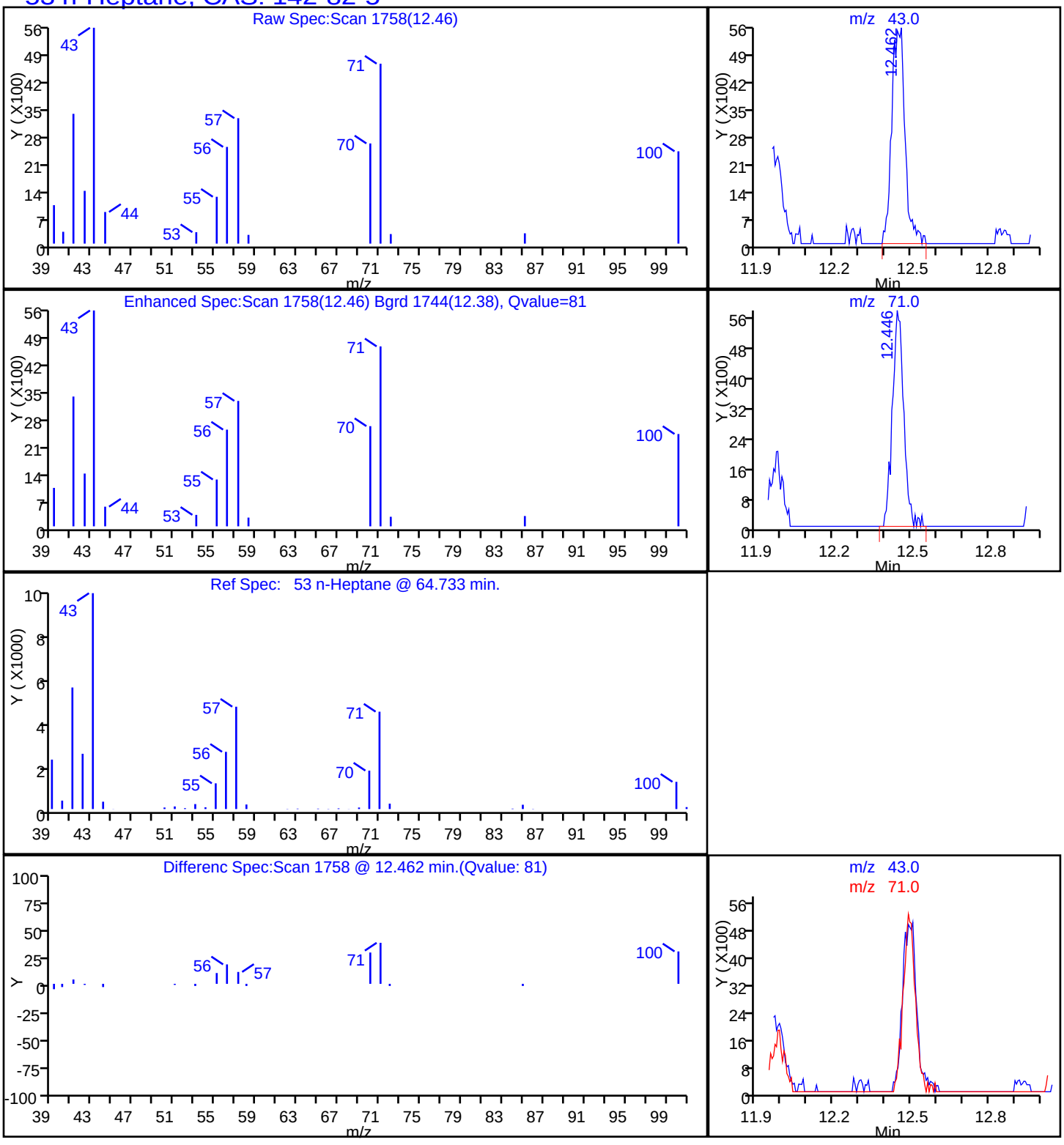
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D				
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5



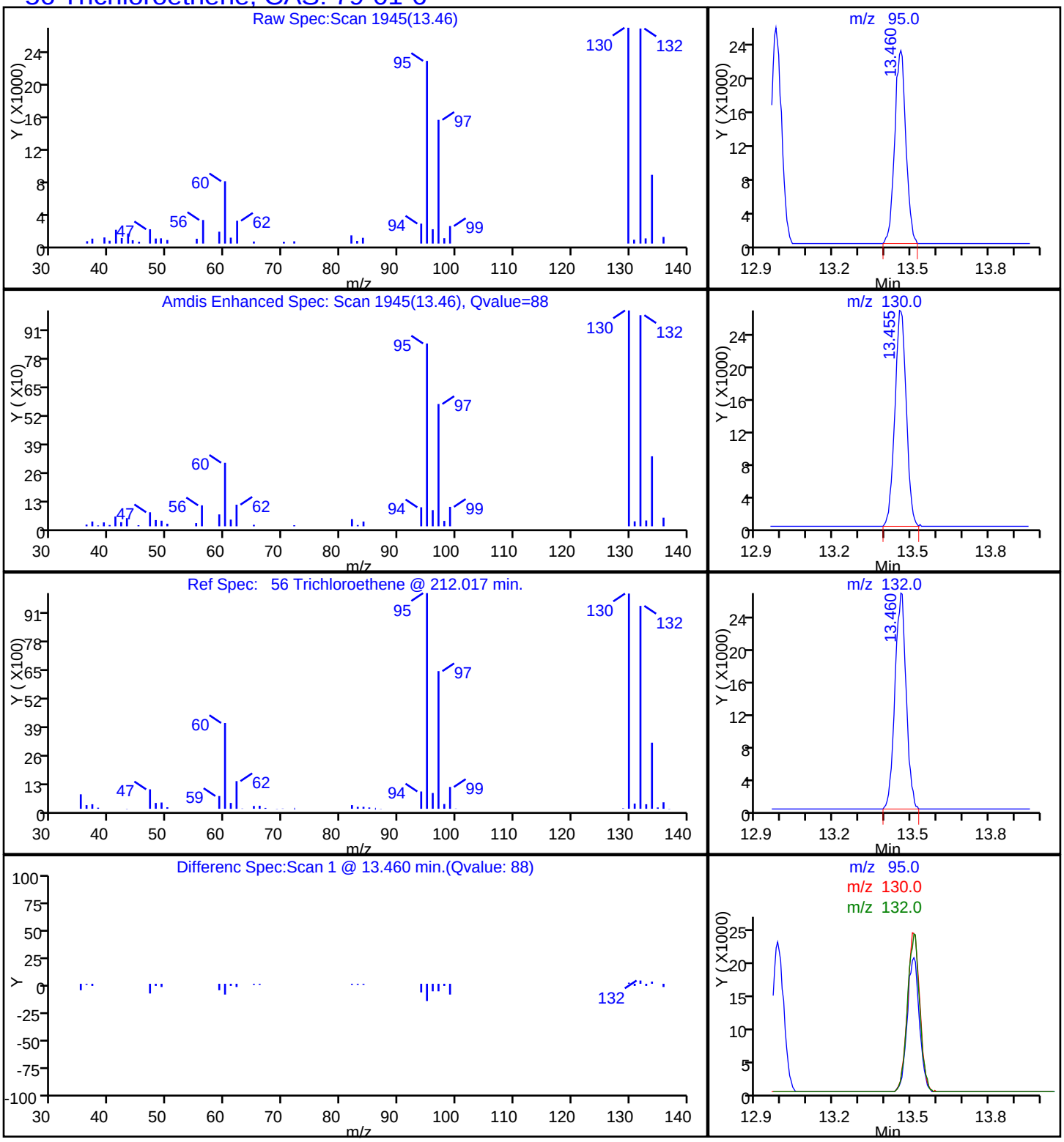
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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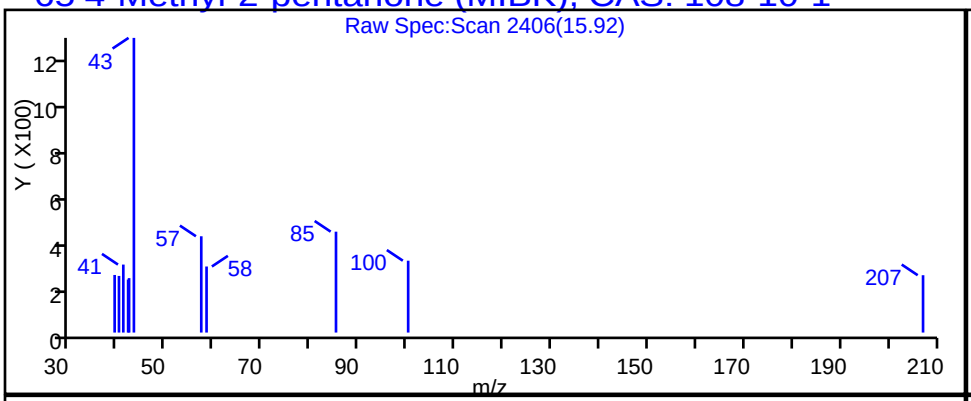
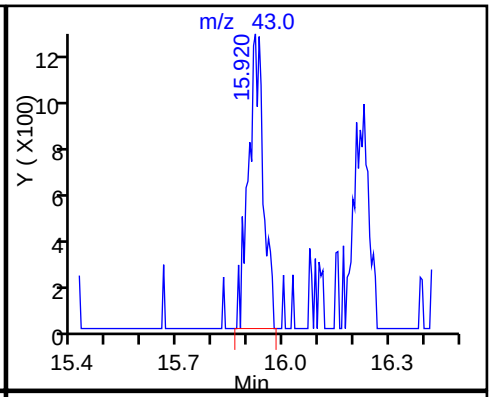
TestAmerica Burlington

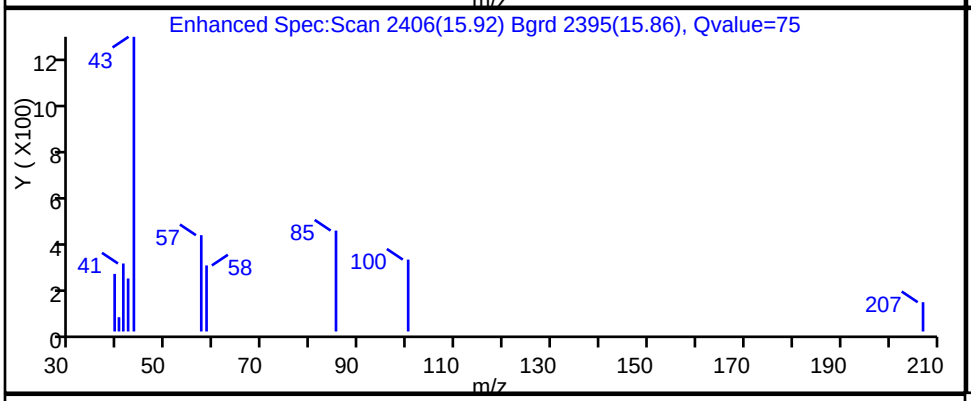
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

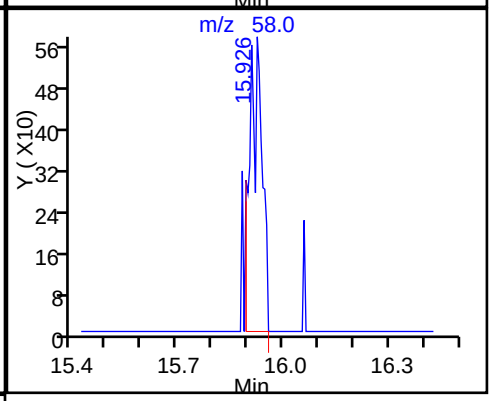
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

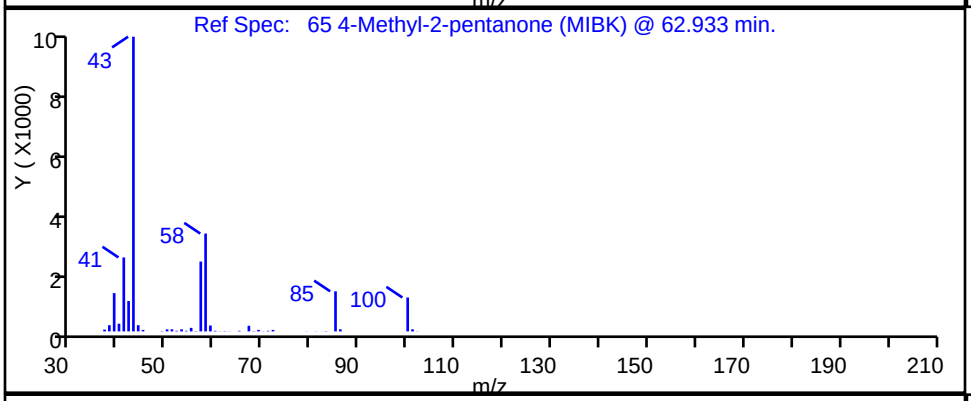
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

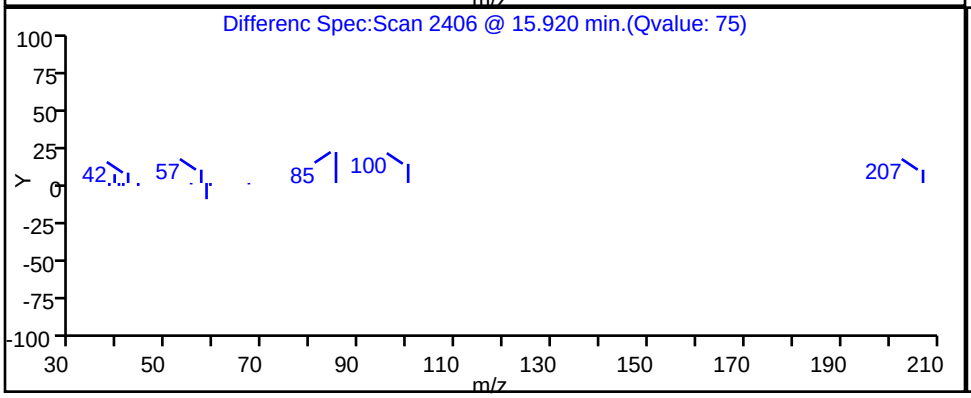


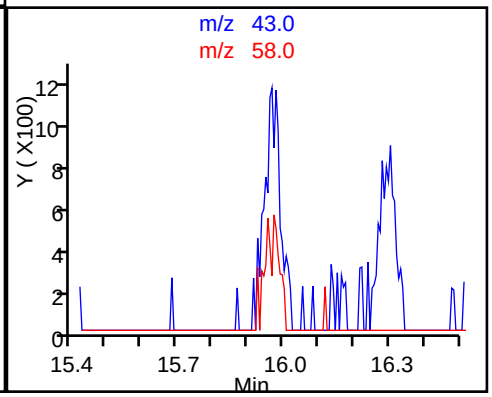












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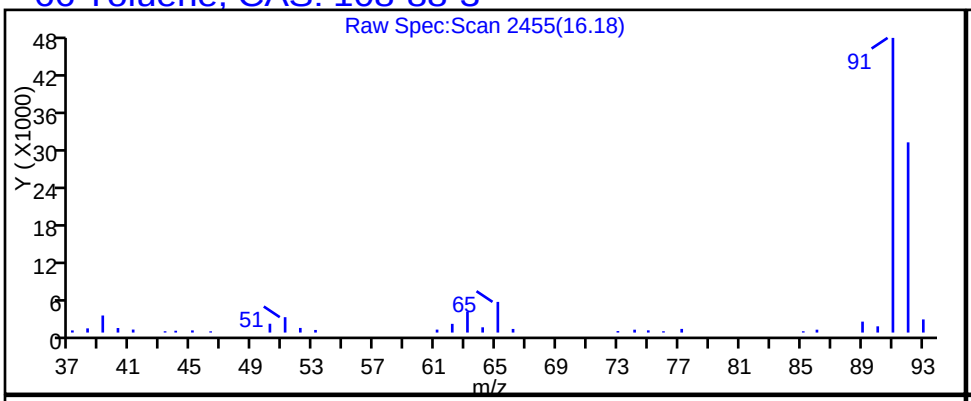
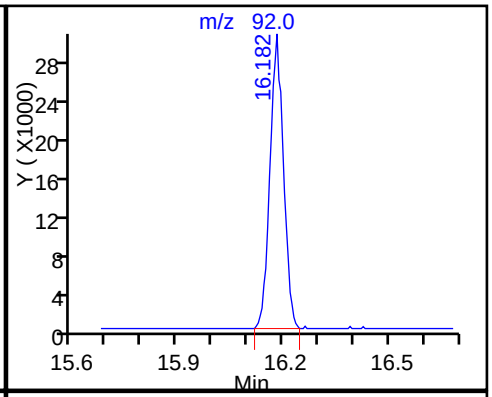
TestAmerica Burlington

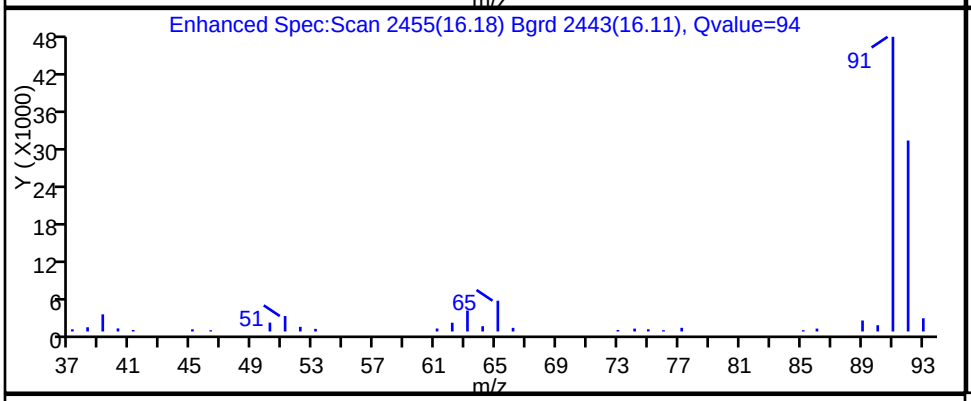
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

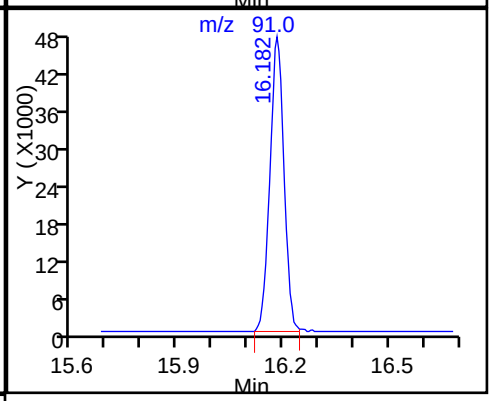
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

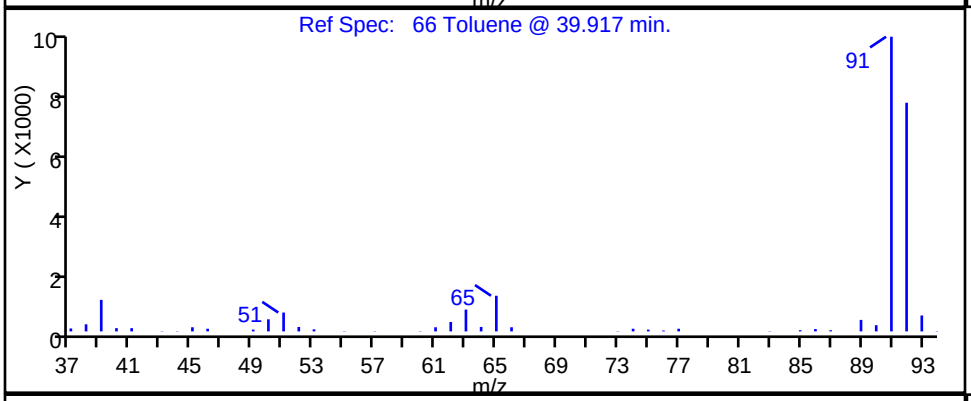
66 Toluene, CAS: 108-88-3

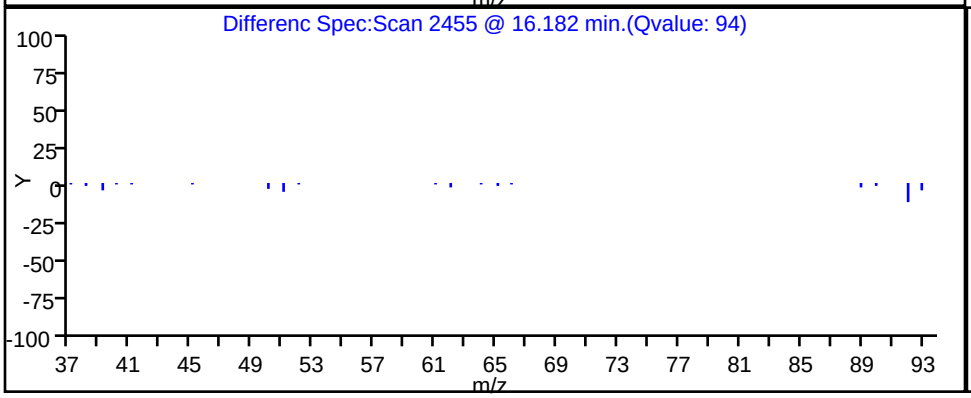


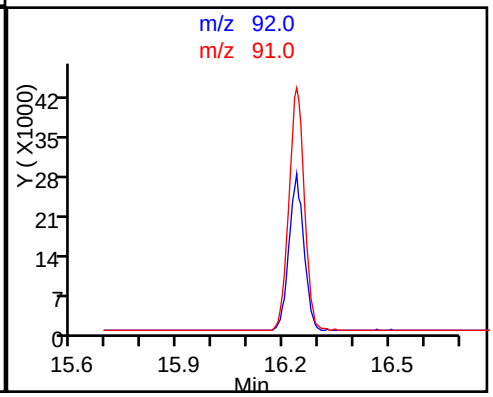












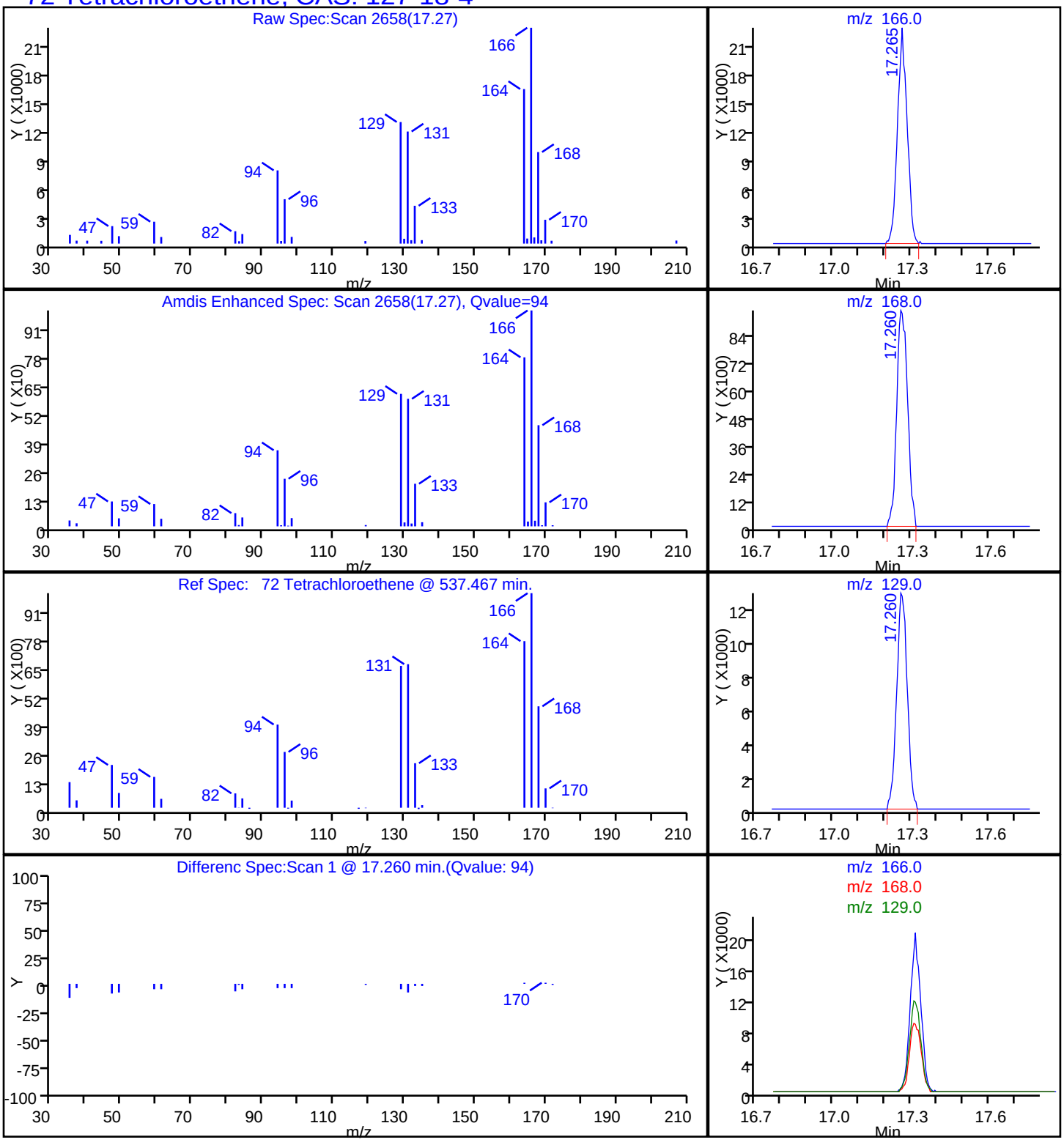
Report Date: 11-Apr-2014 11:43:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



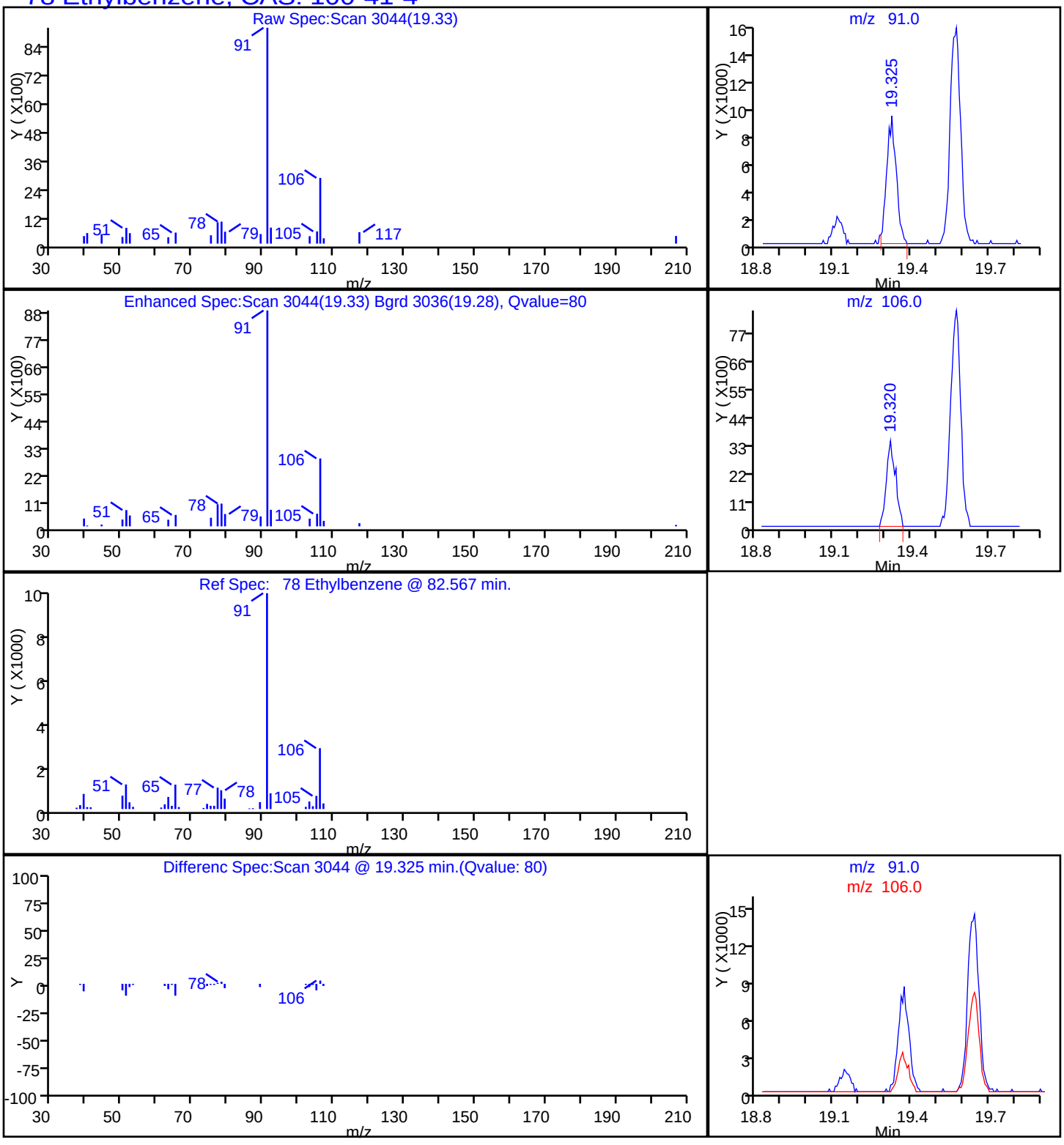
Report Date: 11-Apr-2014 11:43:44 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4



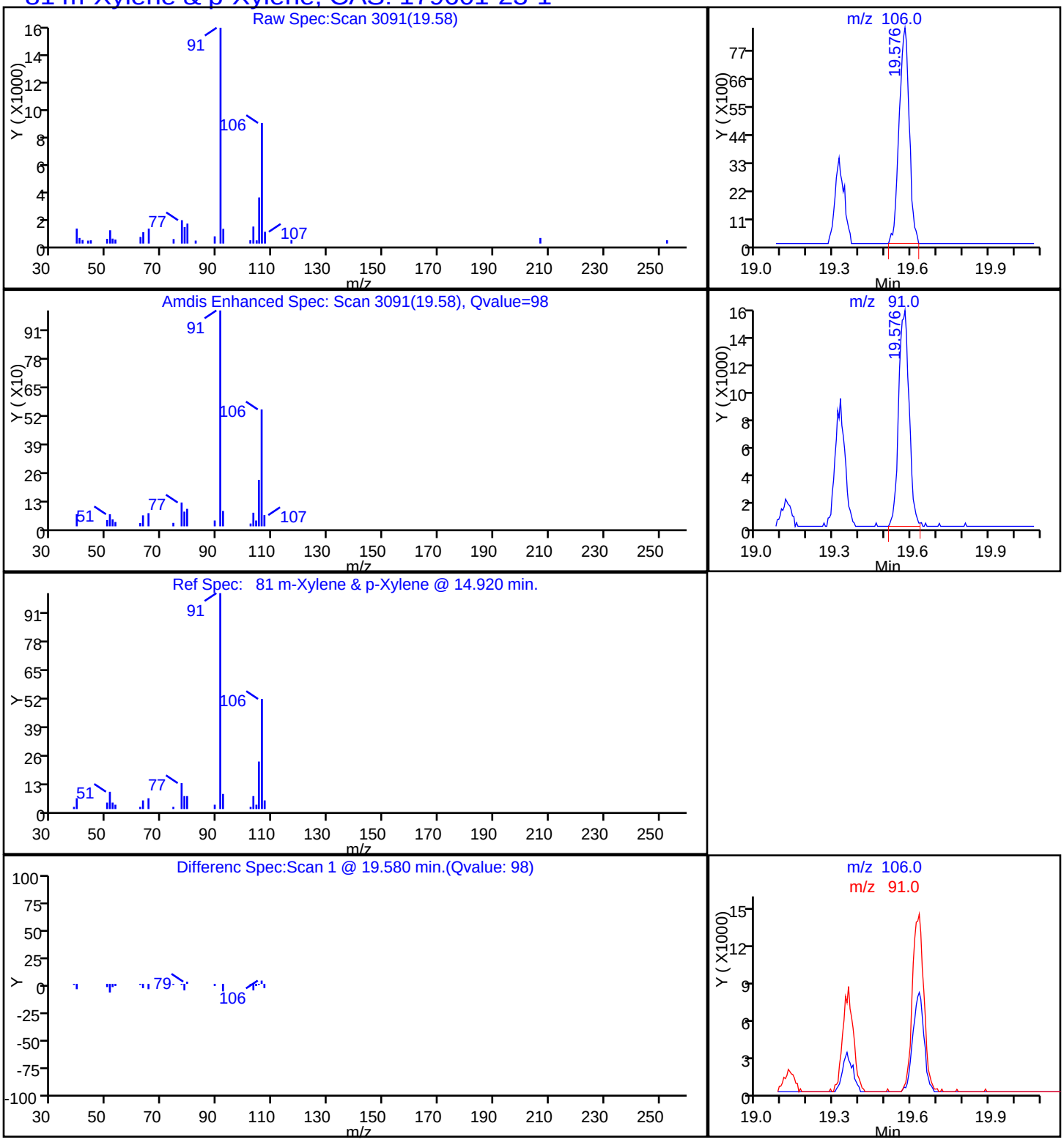
Report Date: 11-Apr-2014 11:43:44 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



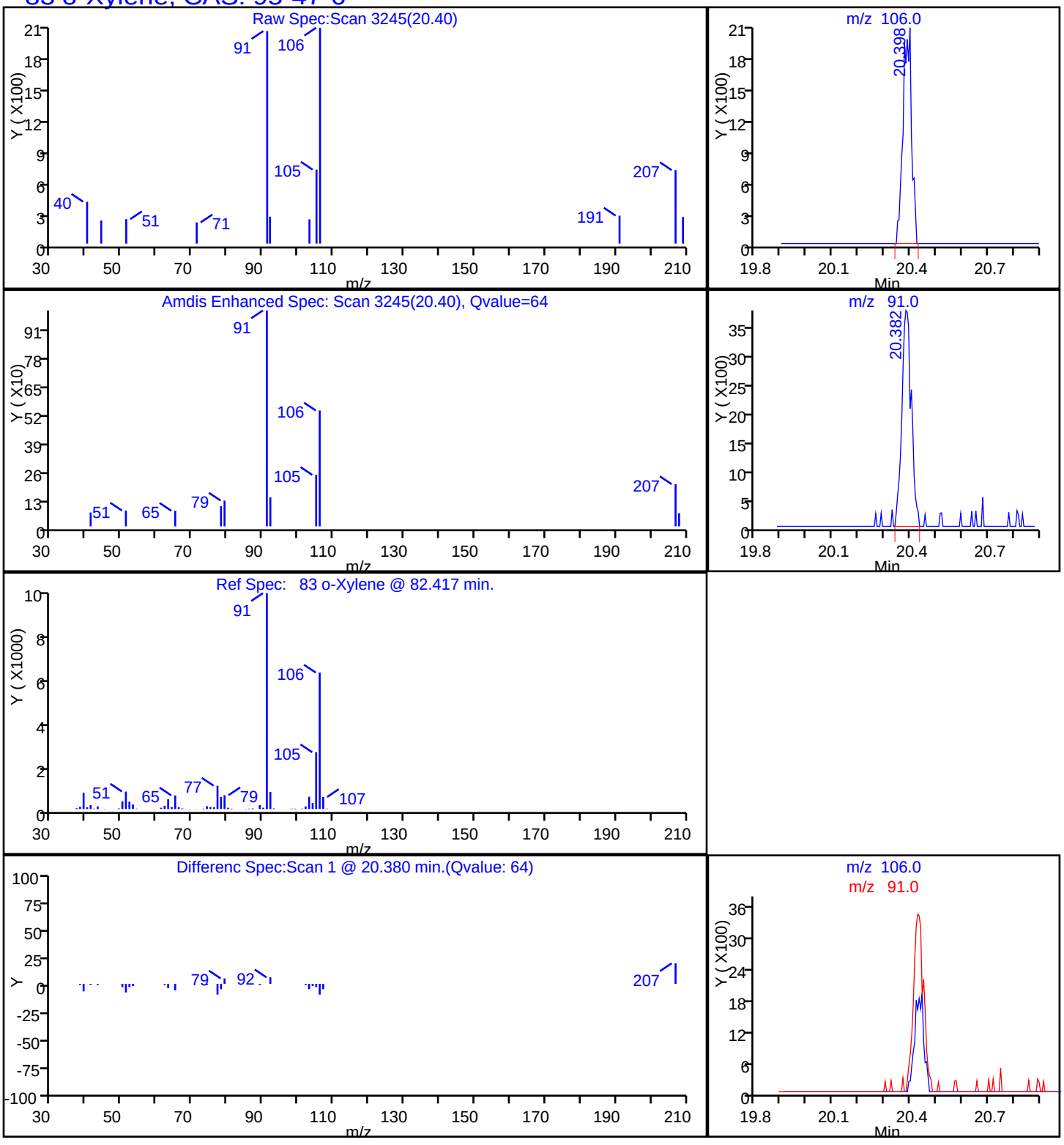
Report Date: 11-Apr-2014 11:43:44 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D

Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



Manual Integration/User Assign Peak Report

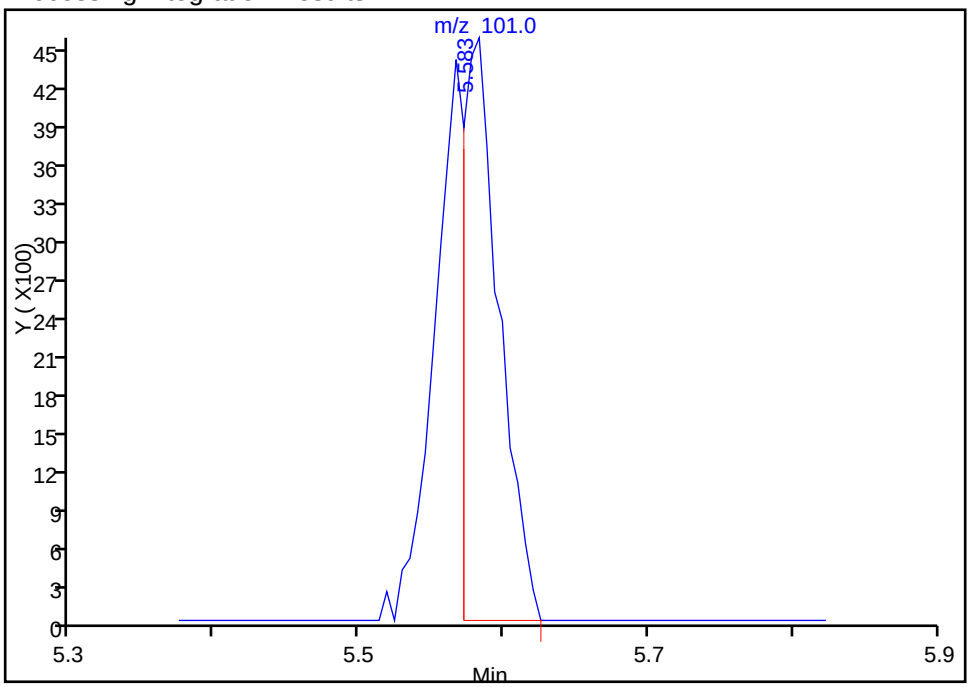
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D				
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

16 Trichlorofluoromethane, CAS: 75-69-4

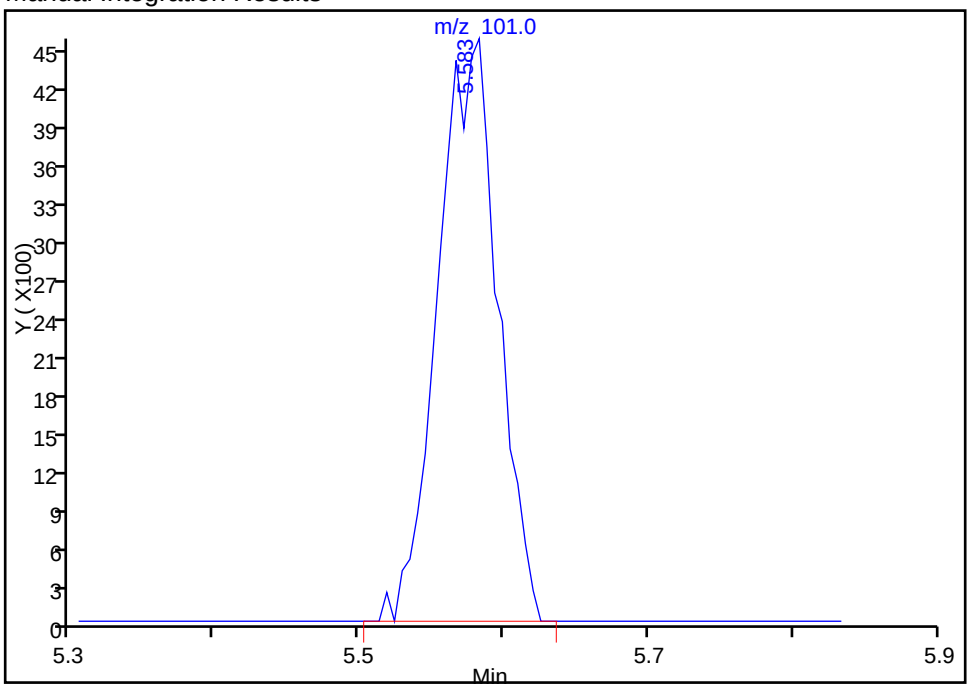
Processing Integration Results

RT: 5.58
Response: 7977
Amount: 0.049099



Manual Integration Results

RT: 5.58
Response: 13254
Amount: 0.081580



Reviewer: desjardinsb, 11-Apr-2014 11:43:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

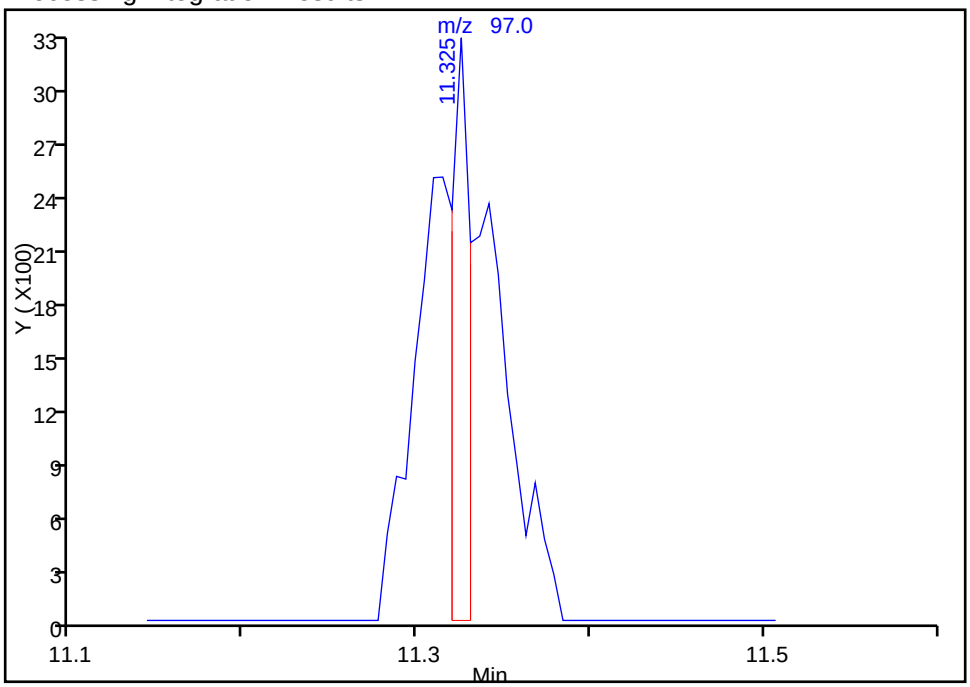
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D				
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

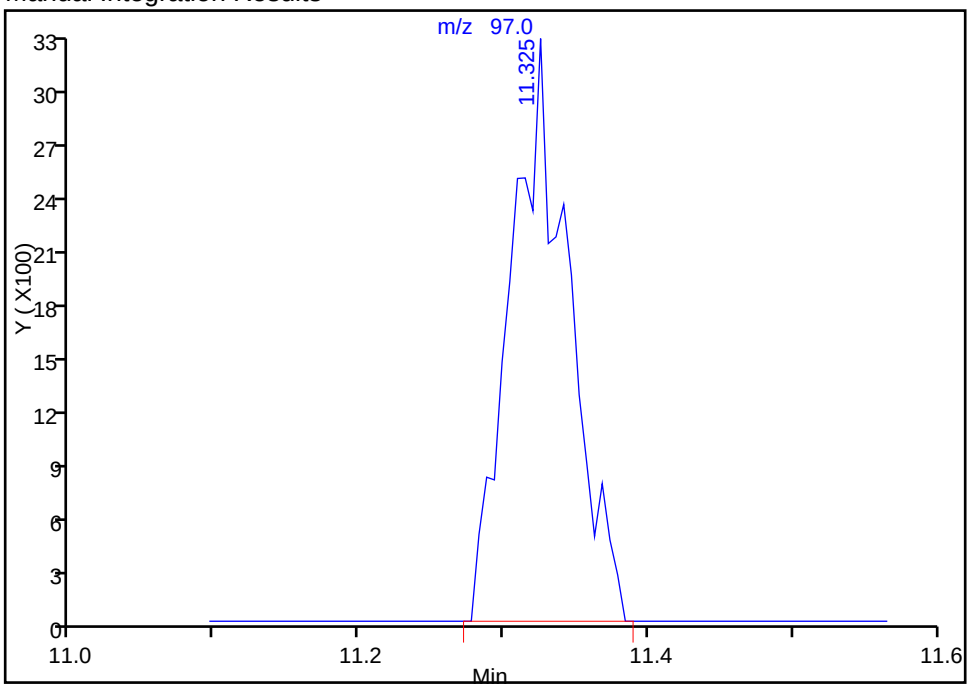
Processing Integration Results

RT: 11.33
Response: 2437
Amount: 0.016336



Manual Integration Results

RT: 11.33
Response: 9076
Amount: 0.060839



Reviewer: desjardinsb, 11-Apr-2014 11:43:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

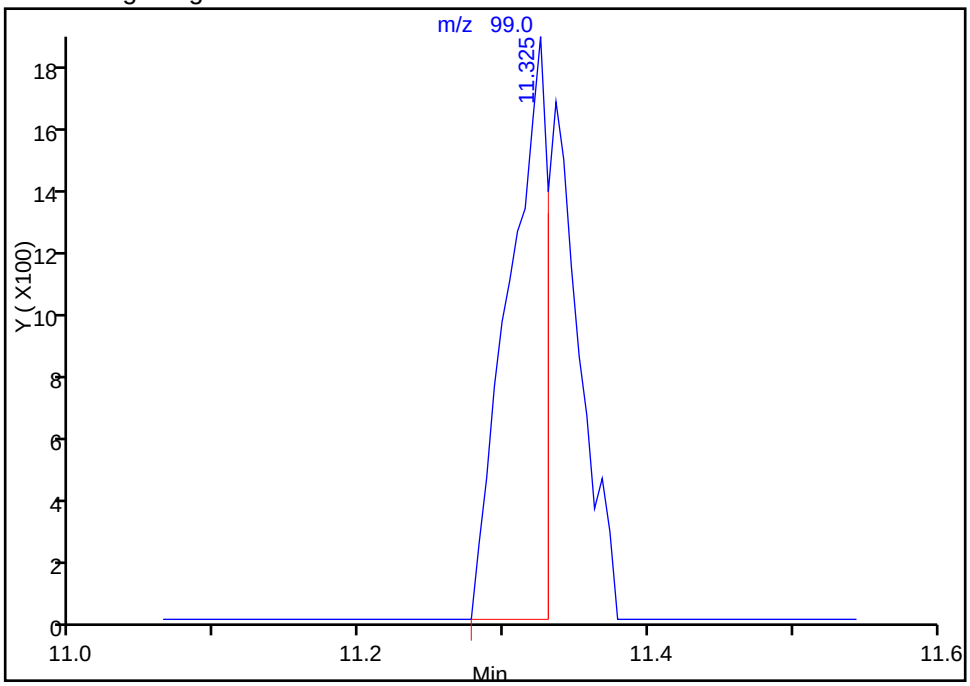
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D				
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

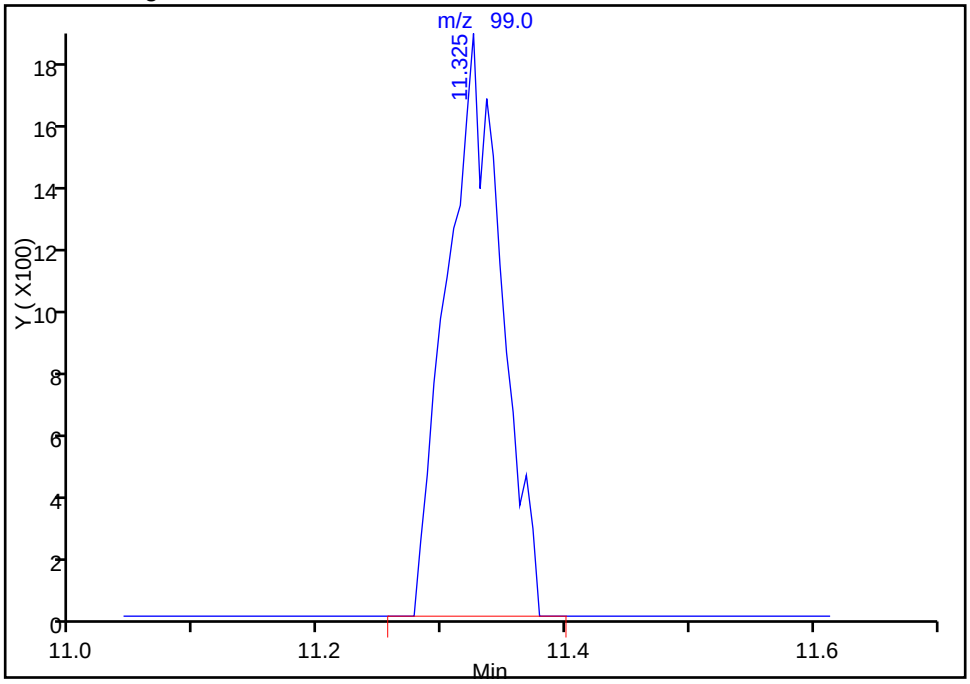
Processing Integration Results

RT: 11.33
Response: 3455
Amount: 0.016336



Manual Integration Results

RT: 11.33
Response: 5629
Amount: 0.060839



Reviewer: desjardinsb, 11-Apr-2014 11:43:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

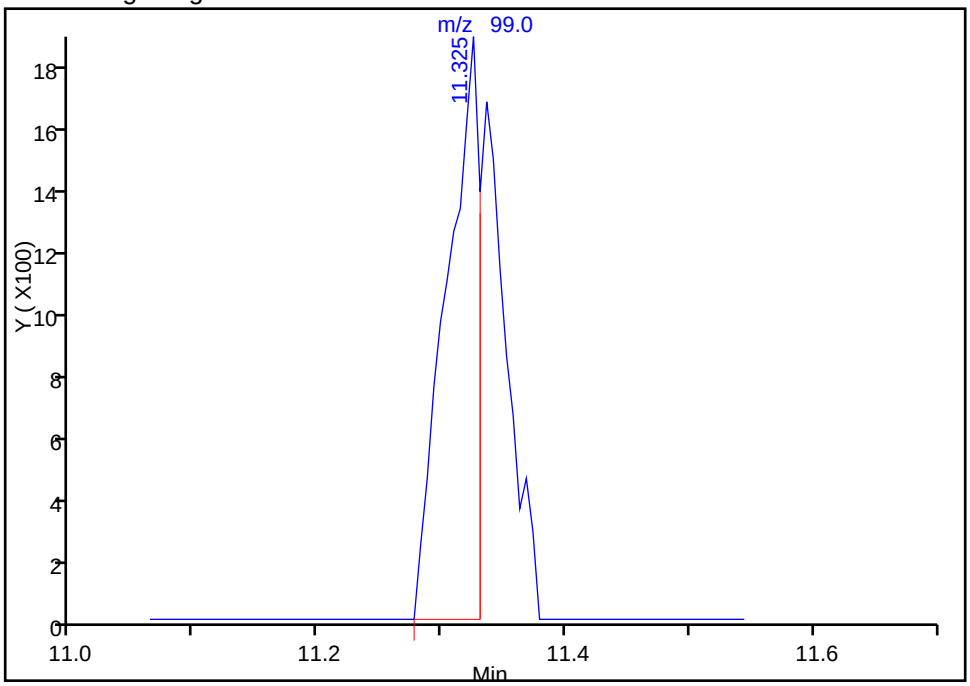
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D				
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

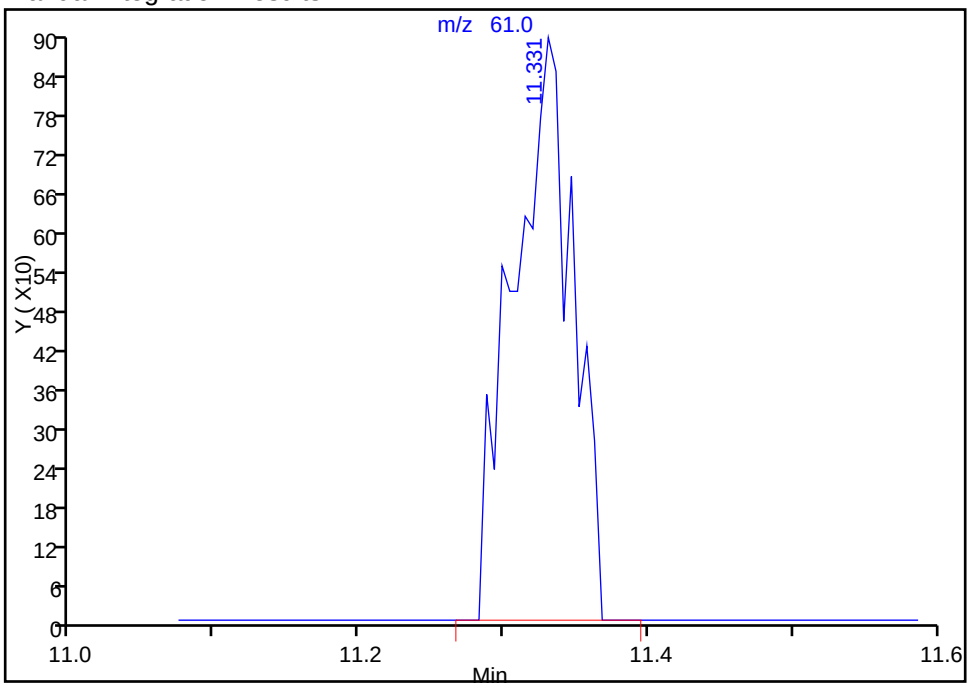
Processing Integration Results

RT: 11.33
Response: 0
Amount: 0.016336



Manual Integration Results

RT: 11.33
Response: 2565
Amount: 0.060839



Reviewer: desjardinsb, 11-Apr-2014 11:43:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

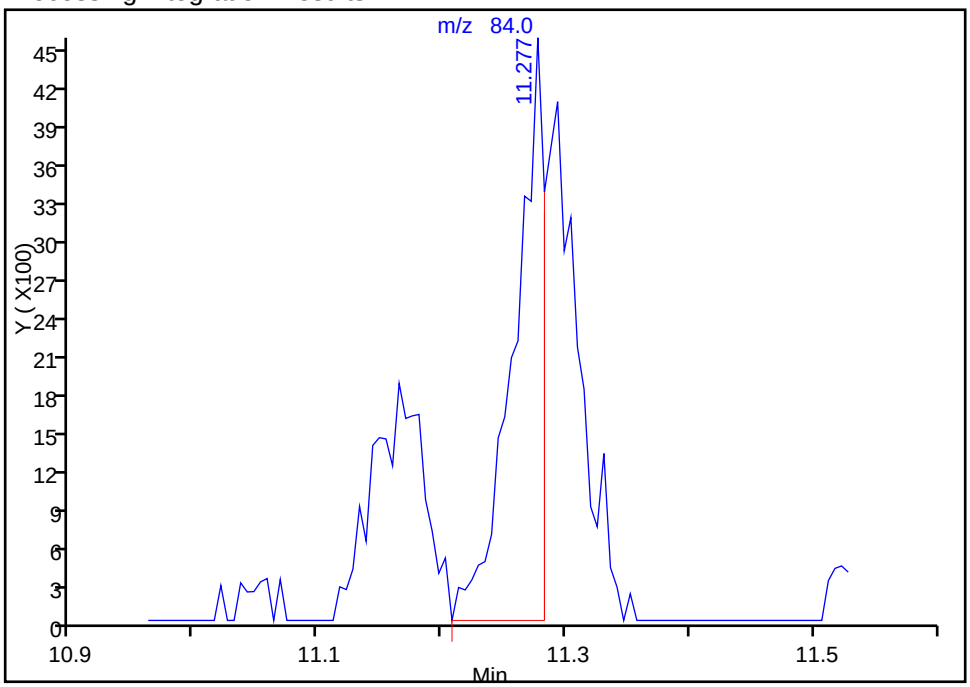
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D				
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

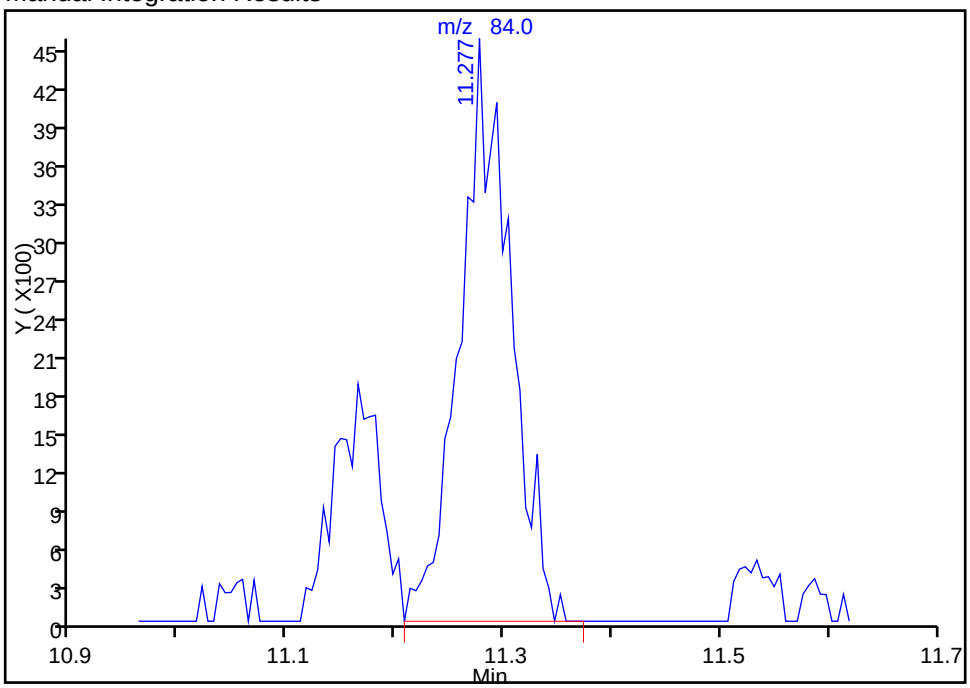
Processing Integration Results

RT: 11.28
Response: 7713
Amount: 0.110883



Manual Integration Results

RT: 11.28
Response: 14598
Amount: 0.209862



Reviewer: desjardinsb, 11-Apr-2014 11:43:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

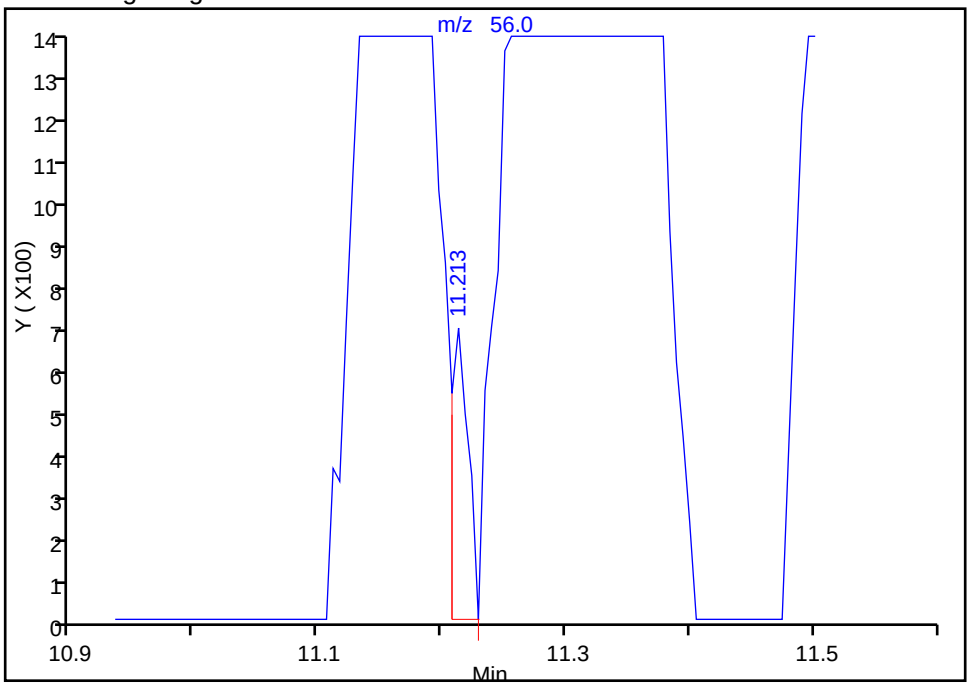
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D				
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

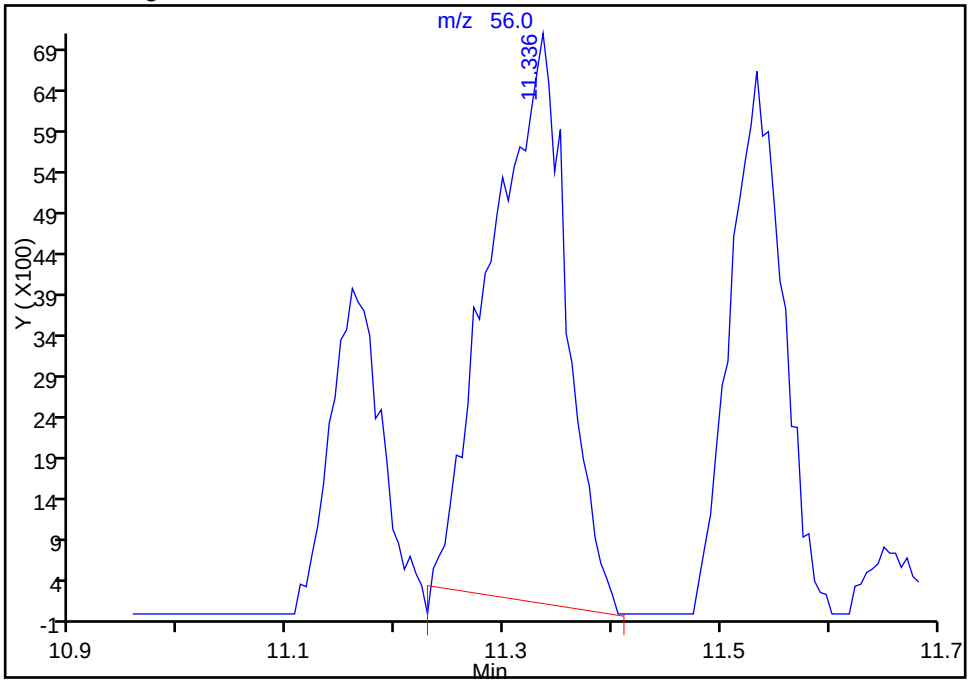
Processing Integration Results

RT: 11.21
Response: 666
Amount: 0.110883



Manual Integration Results

RT: 11.34
Response: 33294
Amount: 0.209862



Reviewer: desjardinsb, 11-Apr-2014 11:43:43
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

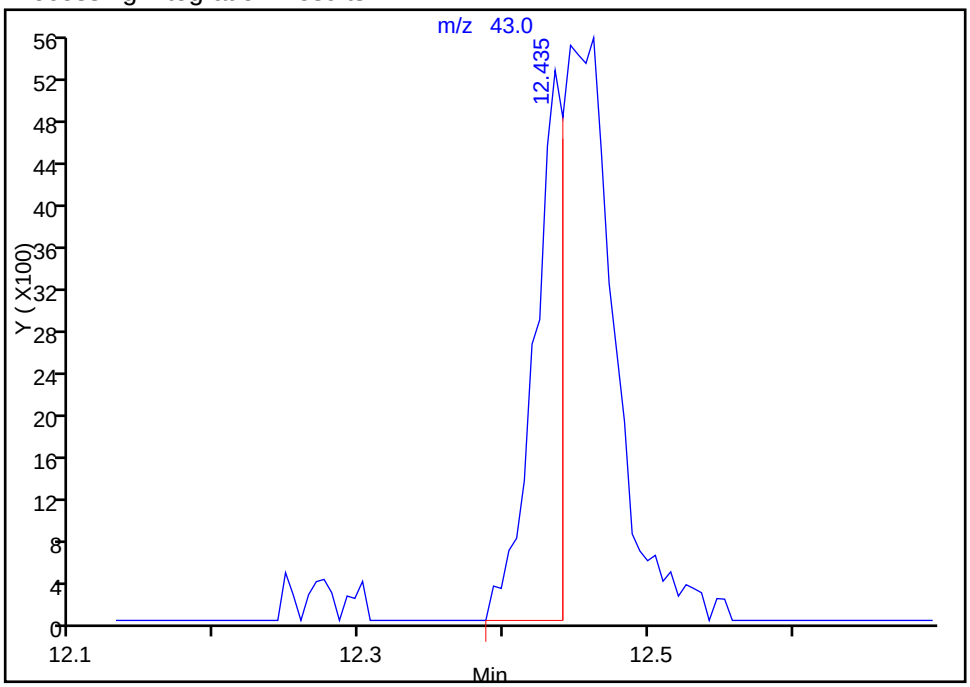
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D				
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

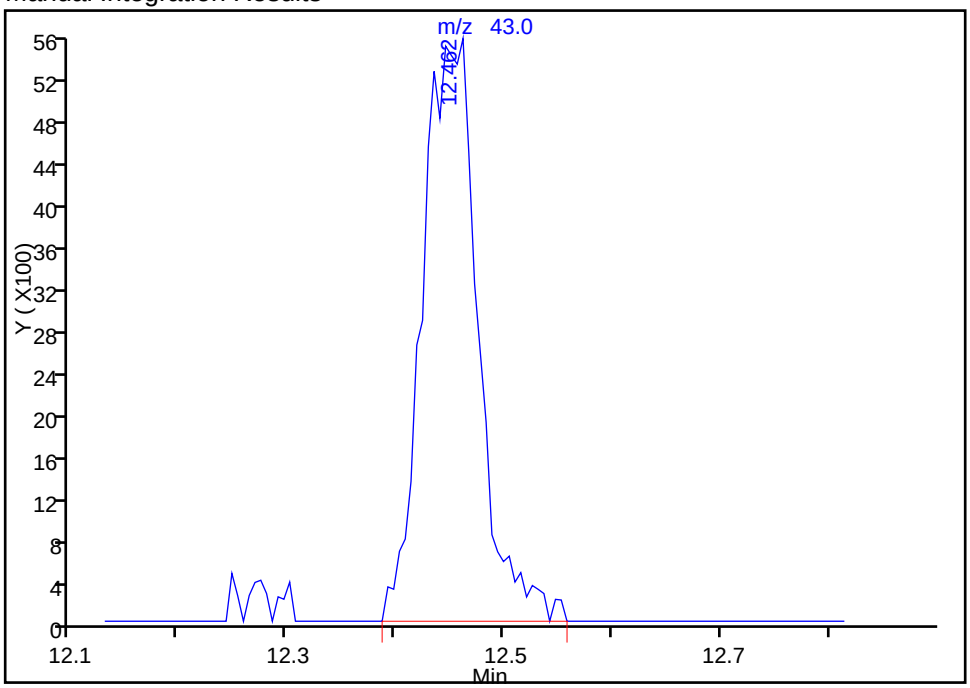
Processing Integration Results

RT: 12.44
Response: 7463
Amount: 0.120415



Manual Integration Results

RT: 12.46
Response: 19841
Amount: 0.320133



Reviewer: desjardinsb, 11-Apr-2014 11:43:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

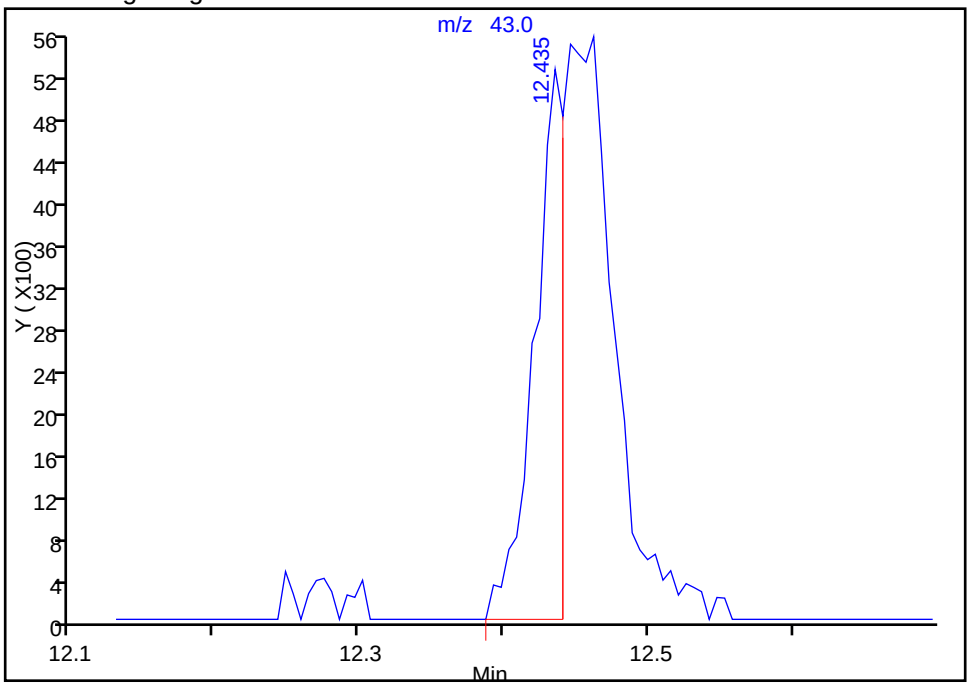
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D				
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

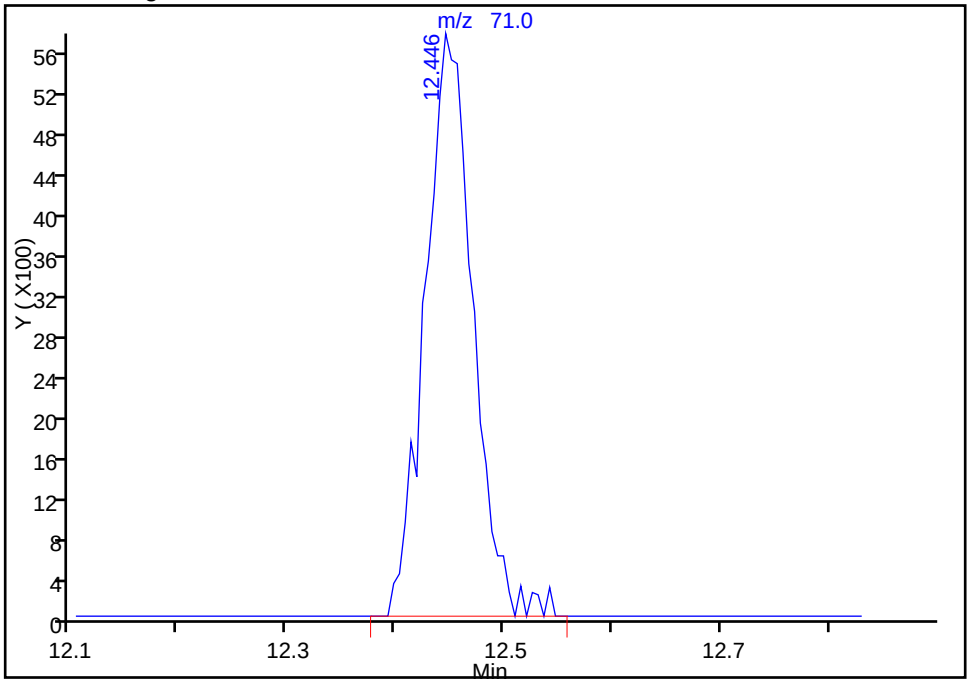
Processing Integration Results

RT: 12.45
Response: 0
Amount: 0.120415



Manual Integration Results

RT: 12.45
Response: 17739
Amount: 0.320133



Reviewer: desjardinsb, 11-Apr-2014 11:43:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

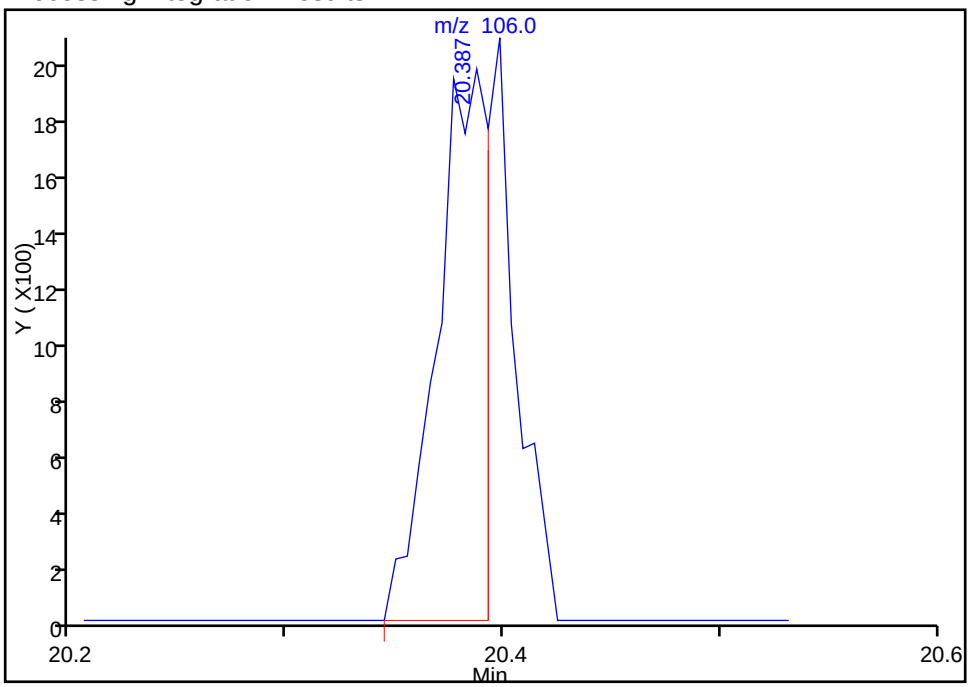
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_20.D				
Injection Date:	11-Apr-2014 05:55:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-10	Lab Sample ID:	200-21727-10		
Client ID:	SDS-5				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6

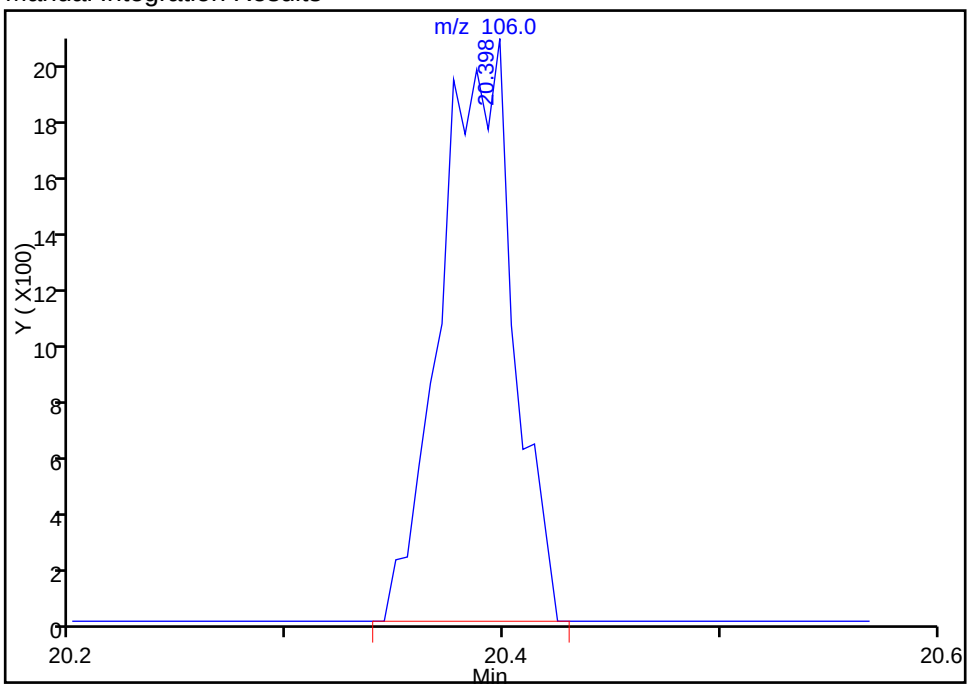
Processing Integration Results

RT: 20.39
Response: 3282
Amount: 0.022051



Manual Integration Results

RT: 20.40
Response: 4777
Amount: 0.032095



Reviewer: desjardinsb, 11-Apr-2014 11:43:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-8 Lab Sample ID: 200-21727-11

Matrix: Air Lab File ID: 6977_21.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:25

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 06:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.99		0.50	0.030
75-45-6	Freon 22	86.47	1.2		0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.34	J	0.50	0.14
106-97-8	n-Butane	58.12	5.5		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.43		0.20	0.030
76-13-1	Freon 113	187.38	1.1		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	*Acetone*	*58.08*	*130*	*E*	*5.0*	*1.3*
67-63-0	*Isopropyl alcohol*	*60.10*	*150*	*E*	*5.0*	*0.22*
75-15-0	*Carbon disulfide*	*76.14*	*63*	*E*	*0.50*	*0.066*
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	37		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	0.85	J	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	2.2		0.20	0.029
110-54-3	Hexane	86.17	0.42		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.38		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	25		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.89		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	3.1		0.20	0.064
67-66-3	Chloroform	119.38	5.7		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	9.1		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	1.4		0.20	0.021
110-82-7	Cyclohexane	84.16	0.70		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.065		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.66		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-8 Lab Sample ID: 200-21727-11

Matrix: Air Lab File ID: 6977_21.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:25

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 06:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	10		0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	0.70	J	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.086	J	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.91		0.50	0.027
108-88-3	Toluene	92.14	2.1		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	1.4		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.8		0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.24		0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.84		0.50	0.023
95-47-6	Xylene, o-	106.17	0.26		0.20	0.016
1330-20-7	Xylene (total)	106.17	1.1		0.20	0.034
100-42-5	Styrene	104.15	0.044	J	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.060	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.041	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.13	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.21		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.020	J	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-8 Lab Sample ID: 200-21727-11

Matrix: Air Lab File ID: 6977_21.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:25

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 06:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-8 Lab Sample ID: 200-21727-11

Matrix: Air Lab File ID: 6977_21.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:25

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 06:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	4.9		2.5	0.15
75-45-6	Freon 22	86.47	4.1		1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	0.69	J	1.0	0.28
106-97-8	n-Butane	58.12	13		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	2.4		1.1	0.17
76-13-1	Freon 113	187.38	8.7		1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	*Acetone*	*58.08*	*310*	*E*	*12*	*3.0*
67-63-0	*Isopropyl alcohol*	*60.10*	*370*	*E*	*12*	*0.53*
75-15-0	*Carbon disulfide*	*76.14*	*190*	*E*	*1.6*	*0.21*
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	130		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	2.6	J	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	8.6		0.79	0.11
110-54-3	Hexane	86.17	1.5		0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	1.6		0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	74		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	3.5		0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	12		0.79	0.25
67-66-3	Chloroform	119.38	28		0.98	0.12
109-99-9	Tetrahydrofuran	72.11	27		15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	7.4		1.1	0.11
110-82-7	Cyclohexane	84.16	2.4		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.41		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	2.1		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-8 Lab Sample ID: 200-21727-11

Matrix: Air Lab File ID: 6977_21.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:25

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 06:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	55		0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	2.5	J	18	0.72
75-27-4	Bromodichloromethane	163.83	0.58	J	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	3.7		2.0	0.11
108-88-3	Toluene	92.14	7.9		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	9.2		1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	7.3		2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	1.0		0.87	0.056
179601-23-1	m,p-Xylene	106.17	3.7		2.2	0.10
95-47-6	Xylene, o-	106.17	1.1		0.87	0.069
1330-20-7	Xylene (total)	106.17	4.8		0.87	0.15
100-42-5	Styrene	104.15	0.19	J	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.29	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.62	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1		1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	0.12	J	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-8 Lab Sample ID: 200-21727-11

Matrix: Air Lab File ID: 6977_21.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:25

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 06:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D
Lims ID: 200-21727-A-11 Lab Sample ID: 200-21727-11
Client ID: SDS-8
Sample Type: Client
Inject. Date: 11-Apr-2014 06:47:30 ALS Bottle#: 1 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006977-021
Misc. Info.: 21727-11
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 11:47:49 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 11:47:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.256	3.256	0.000	88	131541	0.99	
6 Chlorodifluoromethane	51	3.314	3.315	-0.001	95	51384	1.16	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50	3.704	3.693	0.005	69	7356	0.3364	M
9 Butane	43	3.917	3.912	0.005	96	191567	5.48	
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.049					
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101	5.572	5.567	0.005	94	69697	0.4253	
23 1,1,2-Trichloro-1,2,2-trif	101	6.714	6.714	0.000	91	112870	1.14	
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43	7.029	7.034	-0.005	88	5030795	132.0	E
26 Carbon disulfide	76	7.141	7.141	0.000	98	5883974	62.6	E
27 Isopropyl alcohol	45	7.365	7.355	0.010	98	4224124	151.0	E
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.899	7.894	0.005	72	1027751	37.3	
32 2-Methyl-2-propanol	59	8.176	8.155	0.021	91	44925	0.8473	
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61	8.342	8.342	0.000	83	99376	2.17	
36 Hexane	57	8.737	8.732	0.005	81	18449	0.4220	
37 1,1-Dichloroethane	63	9.265	9.260	0.005	89	25145	0.3840	
S 41 1,2-Dichloroethene, Total	61				0		3.06	
39 cis-1,2-Dichloroethene	96	10.423	10.418	0.005	84	51739	0.8914	
40 2-Butanone (MEK)	72	10.493	10.498	-0.005	95	542922	25.1	
* 43 Chlorobromomethane	128	10.914	10.909	0.005	65	513424	10.0	
44 Tetrahydrofuran	42	10.925	10.925	0.000	76	251216	9.12	
45 Chloroform	83	11.053	11.048	0.005	98	691169	5.74	
46 Cyclohexane	84	11.282	11.283	-0.001	60	49456	0.6977	
47 1,1,1-Trichloroethane	97	11.325	11.325	0.000	90	207393	1.36	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.581	11.581	0.000	76	12036	0.0649	
51 Isooctane	57		12.035					
50 Benzene	78	12.083	12.083	0.000	90	107369	0.6614	
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43		12.451					
* 54 1,4-Difluorobenzene	114	12.980	12.980	0.000	91	2735309	10.0	
56 Trichloroethene	95	13.460	13.460	0.000	89	1018232	10.2	
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69		14.234					
60 1,4-Dioxane	88	14.303	14.303	0.000	32	19847	0.6979	
62 Dichlorobromomethane	83	14.623	14.629	-0.006	84	13899	0.0861	
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43	15.893	15.894	-0.001	92	82257	0.9059	
66 Toluene	92	16.182	16.182	0.000	94	325852	2.09	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166	17.265	17.265	0.000	91	272879	1.36	
73 2-Hexanone	43	17.639	17.639	0.000	91	156537	1.78	
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	82	2731044	10.0	
77 Chlorobenzene	112		19.181					
78 Ethylbenzene	91	19.320	19.325	-0.005	94	87662	0.2387	
81 m-Xylene & p-Xylene	106	19.576	19.576	0.000	99	133550	0.8429	
S 82 Xylenes, Total	106				0		1.10	
83 o-Xylene	106	20.382	20.387	-0.005	86	40219	0.2597	
84 Styrene	104	20.435	20.435	0.000	40	10615	0.0443	
85 Bromoform	173		20.836					
$ 87 4-Bromofluorobenzene	95	21.374	21.375	-0.001	95	1854600	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91		21.706					
91 4-Ethyltoluene	105	21.881	21.881	-0.001	93	27586	0.0597	M
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105	21.983	21.983	0.000	82	16804	0.0411	M
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105	22.543	22.549	-0.006	93	52512	0.1260	
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119	22.965	22.965	0.000	88	109761	0.2066	
100 1,3-Dichlorobenzene	146	23.008	23.008	0.000	47	4030	0.0117	
101 1,4-Dichlorobenzene	146	23.141	23.141	0.000	64	7073	0.0204	
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
105 1,2-Dichlorobenzene	146		23.696					
107 1,2,4-Trichlorobenzene	180		26.322					
108 Hexachlorobutadiene	225		26.509					
109 Naphthalene	128		26.850					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

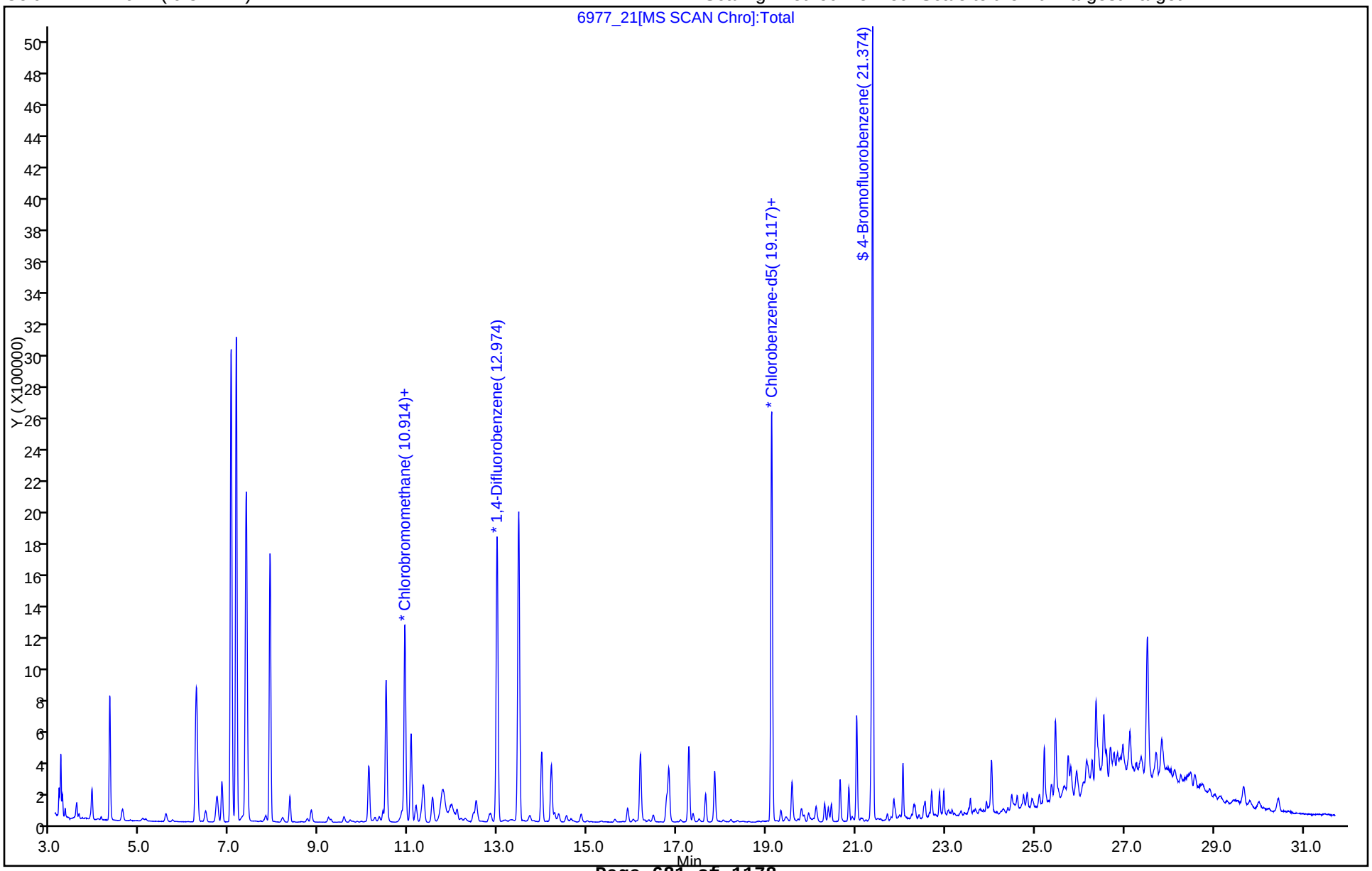
Report Date: 11-Apr-2014 11:47:49 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11	Worklist Smp#:	21
Client ID:	SDS-8				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



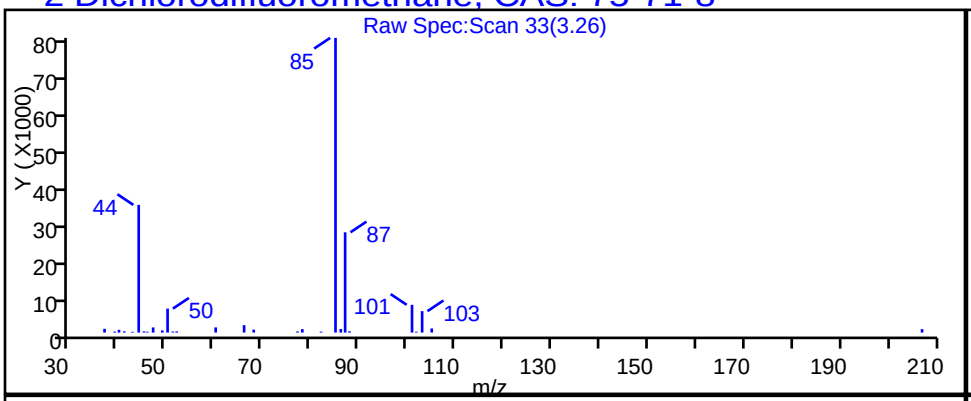
Report Date: 11-Apr-2014 11:47:49 Chrom Revision: 2.2 10-Apr-2014 15:11:30

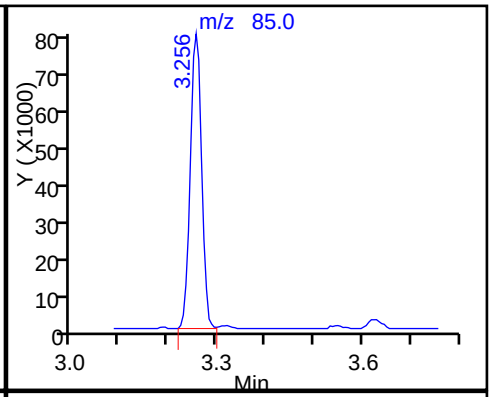
TestAmerica Burlington

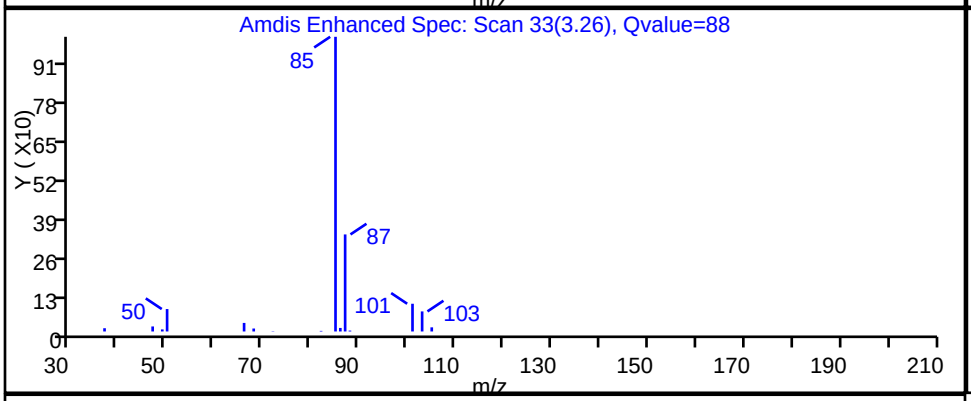
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

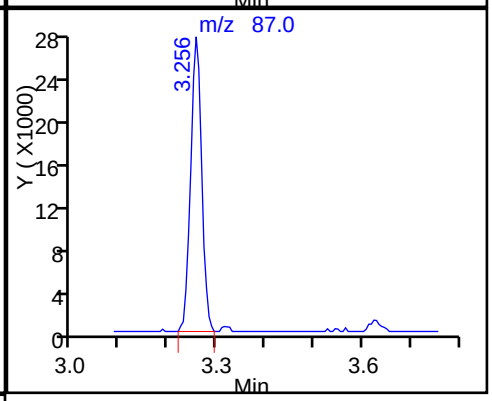
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

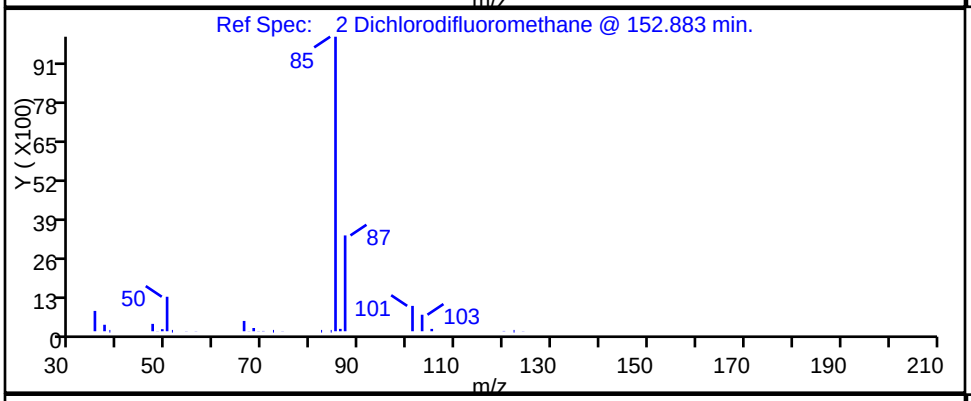
2 Dichlorodifluoromethane, CAS: 75-71-8

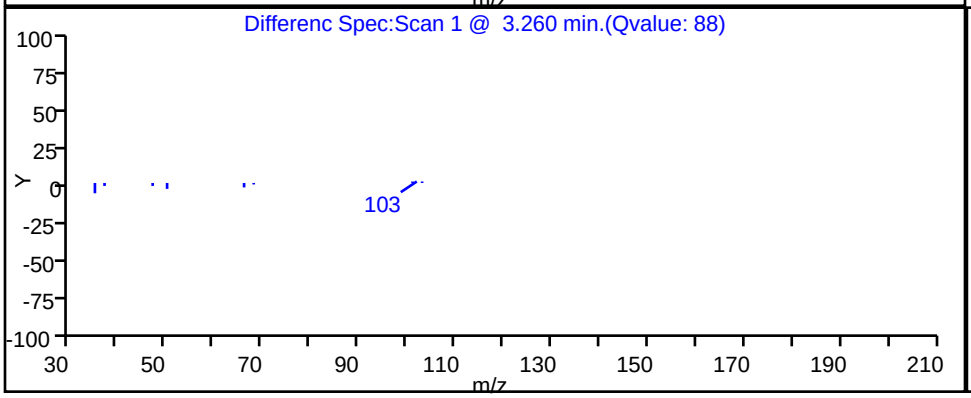


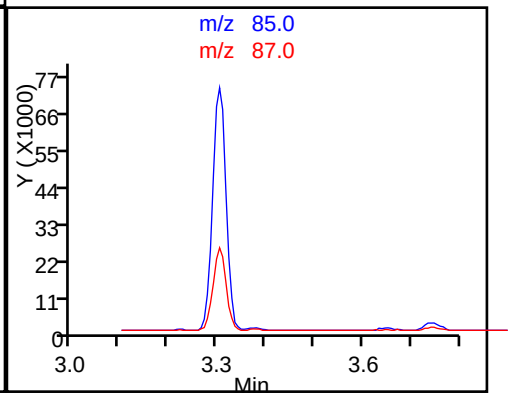












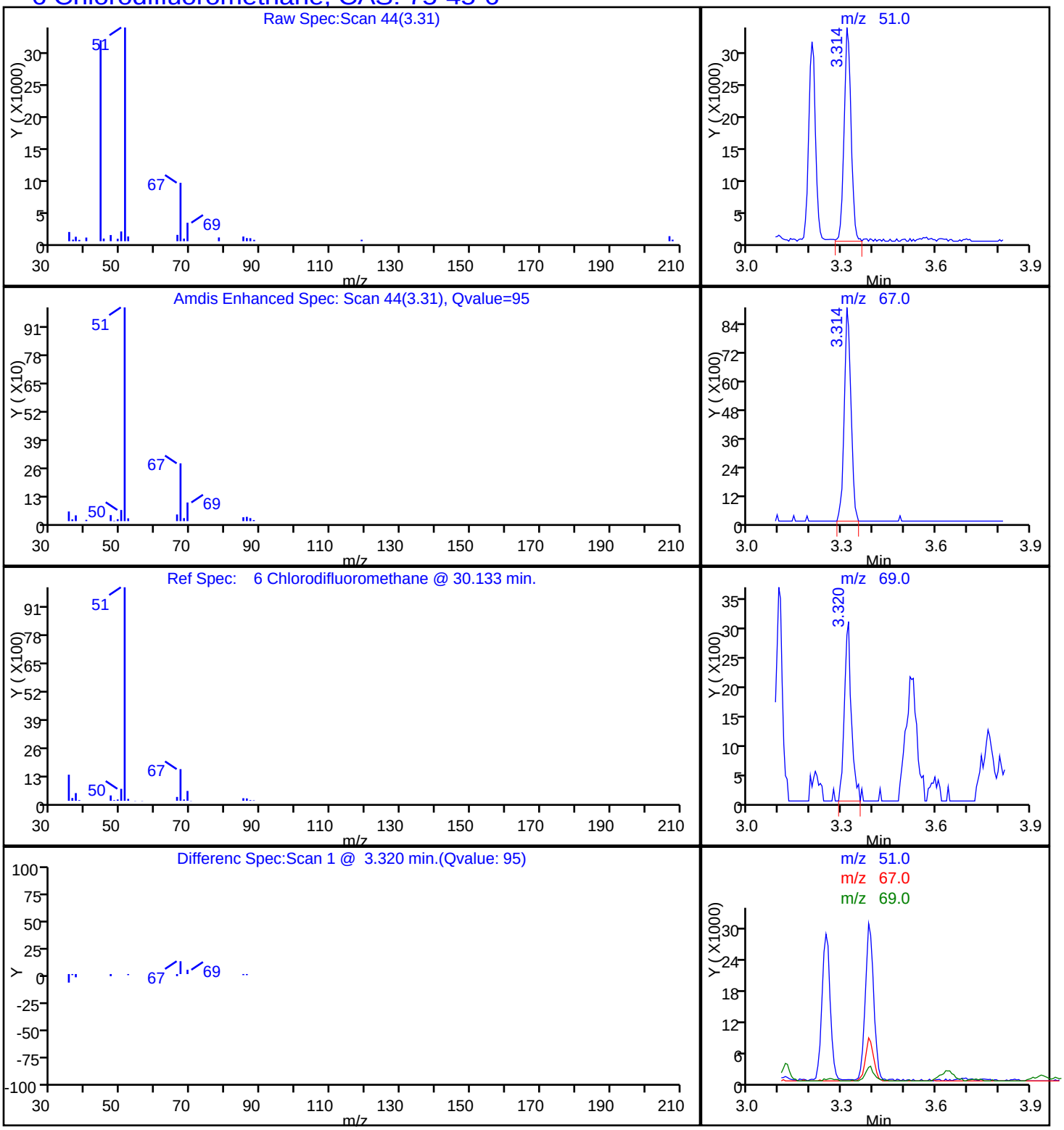
Report Date: 11-Apr-2014 11:47:49 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



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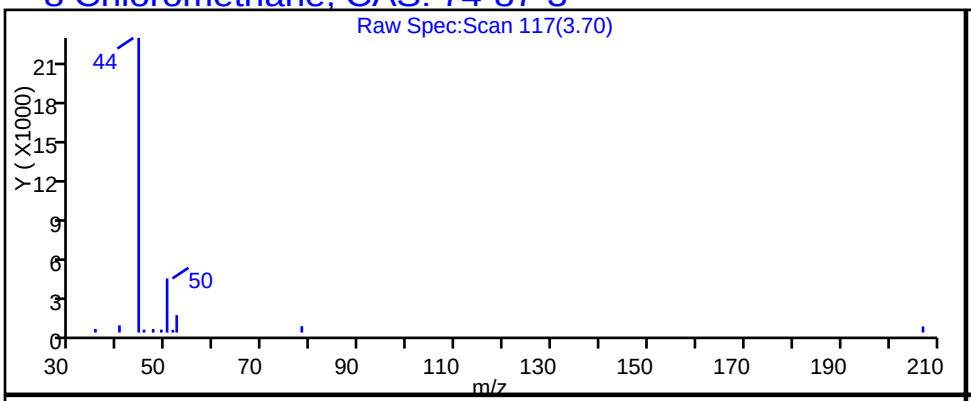
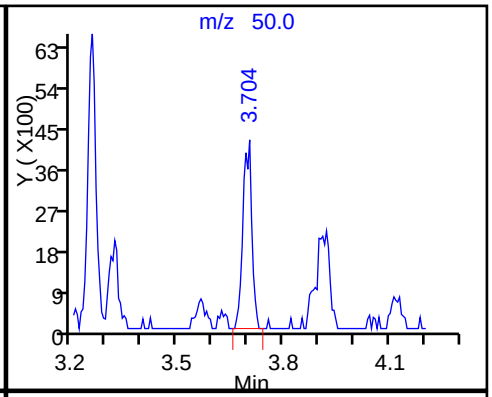
TestAmerica Burlington

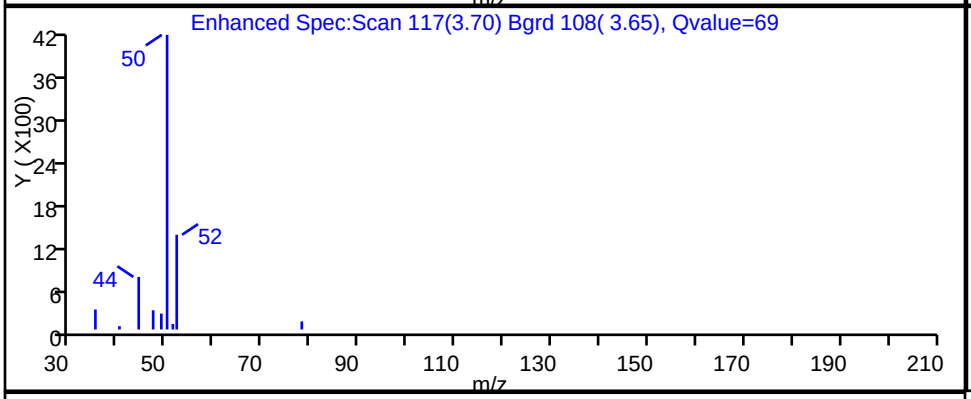
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

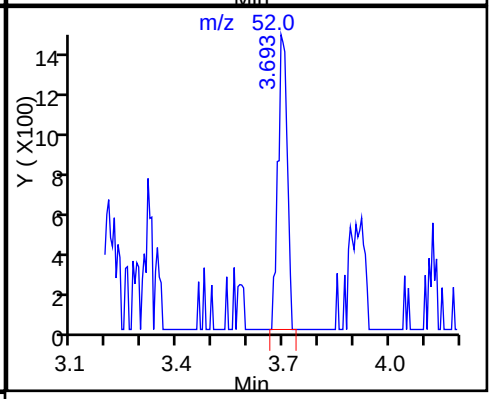
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

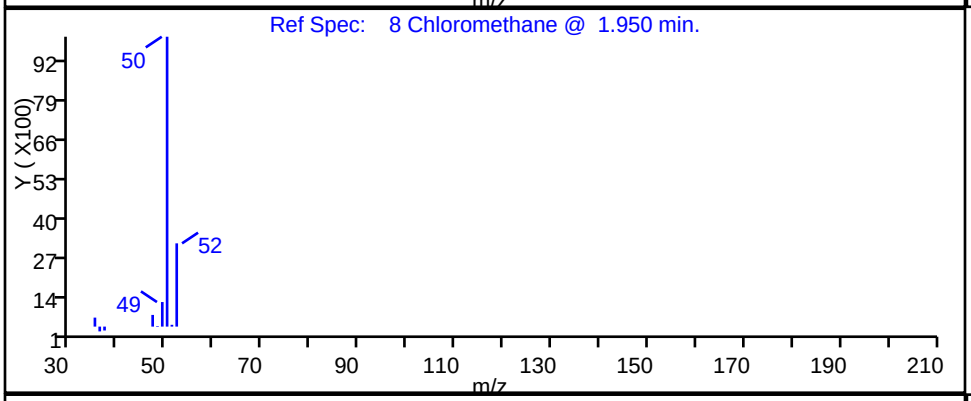
8 Chloromethane, CAS: 74-87-3

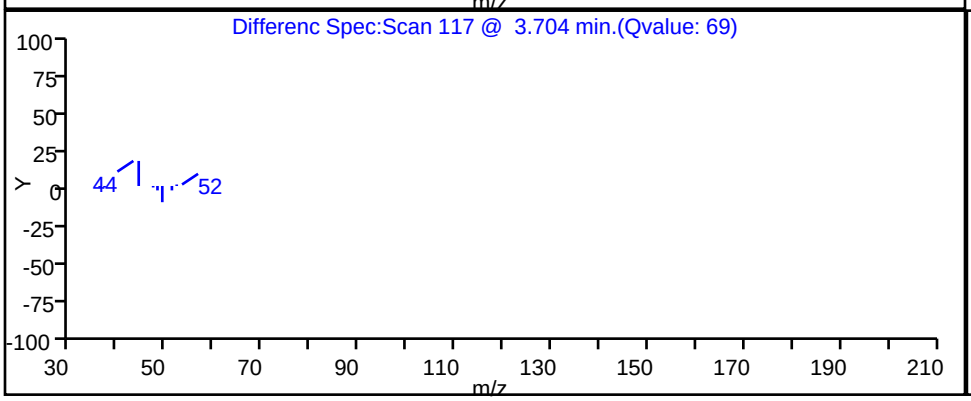


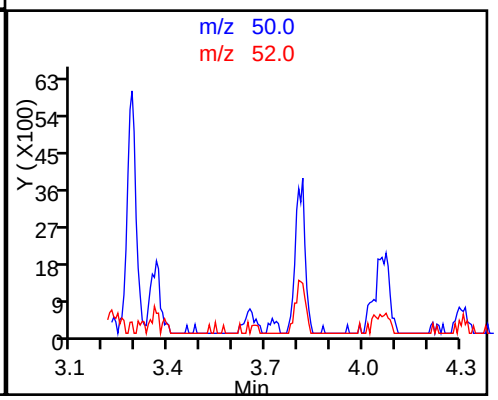












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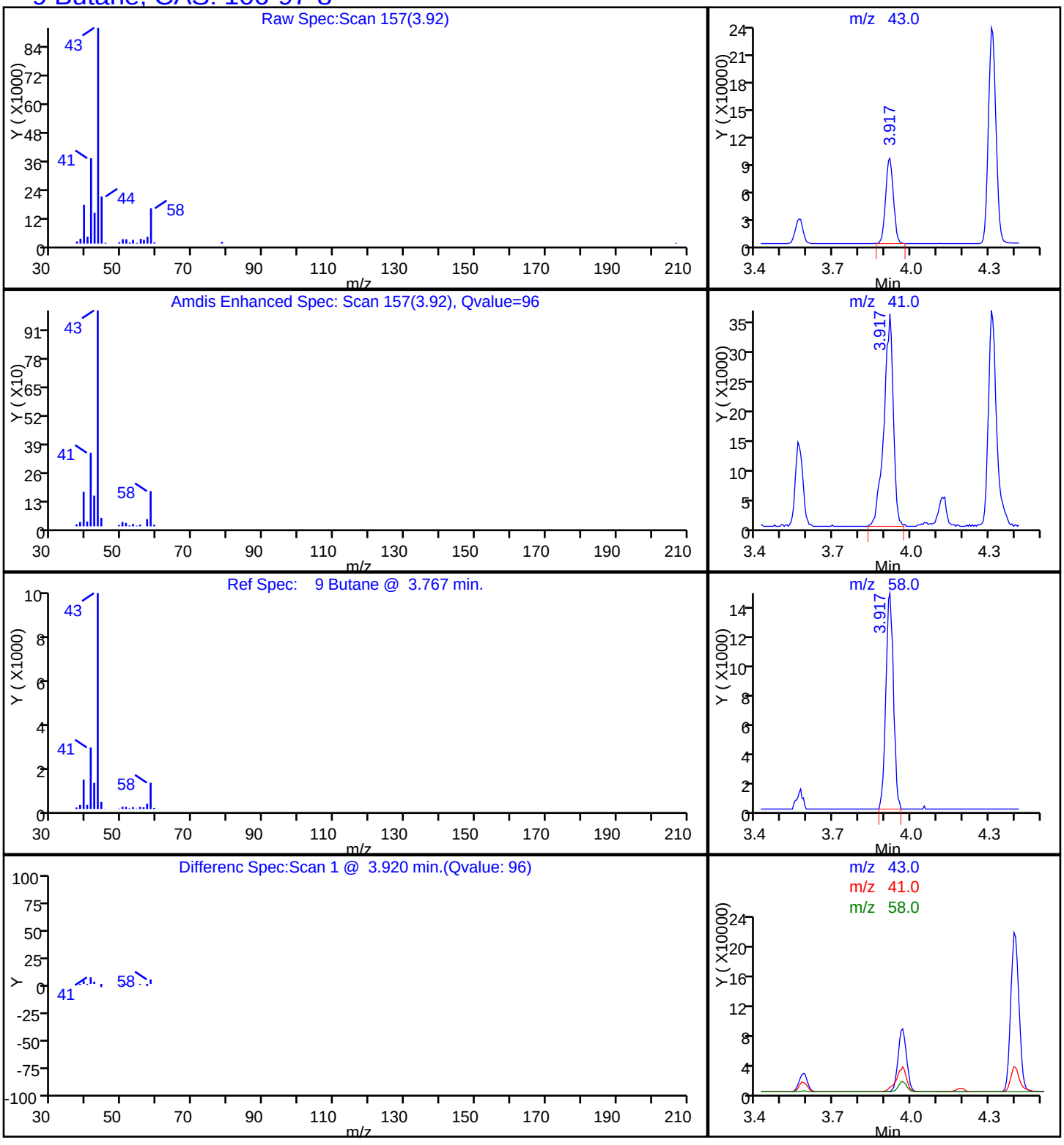
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



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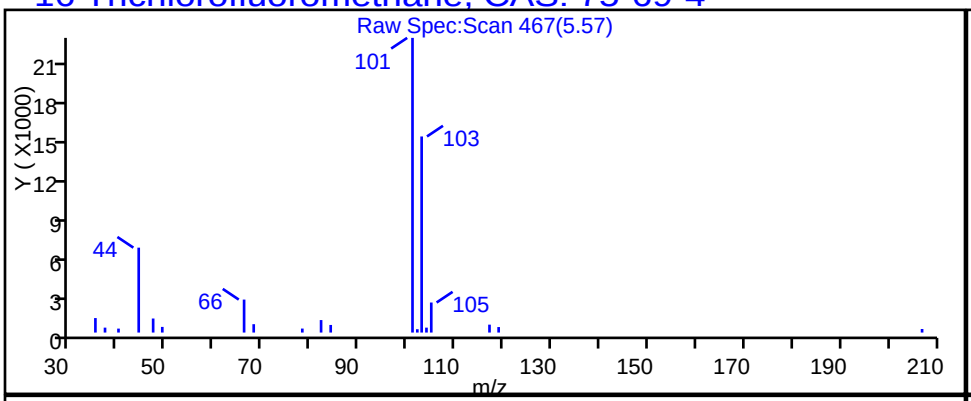
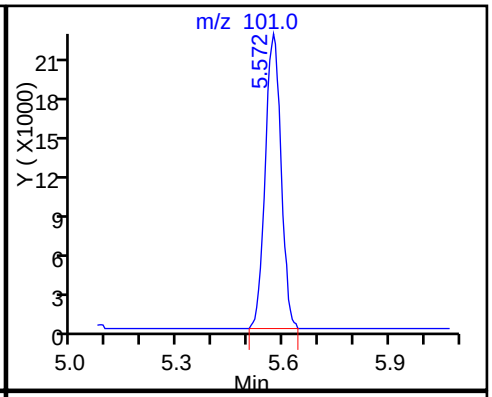
TestAmerica Burlington

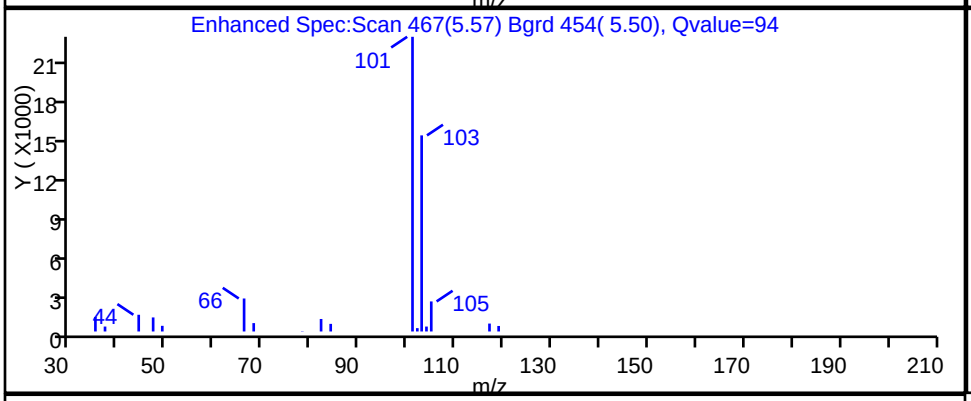
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

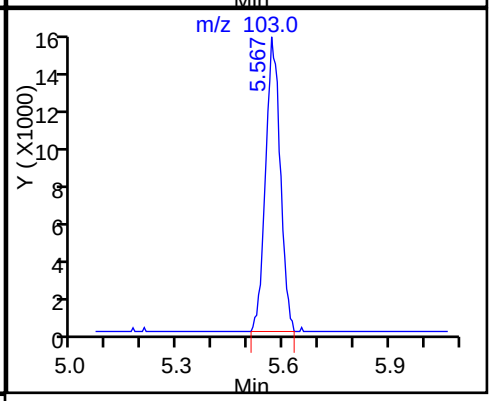
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

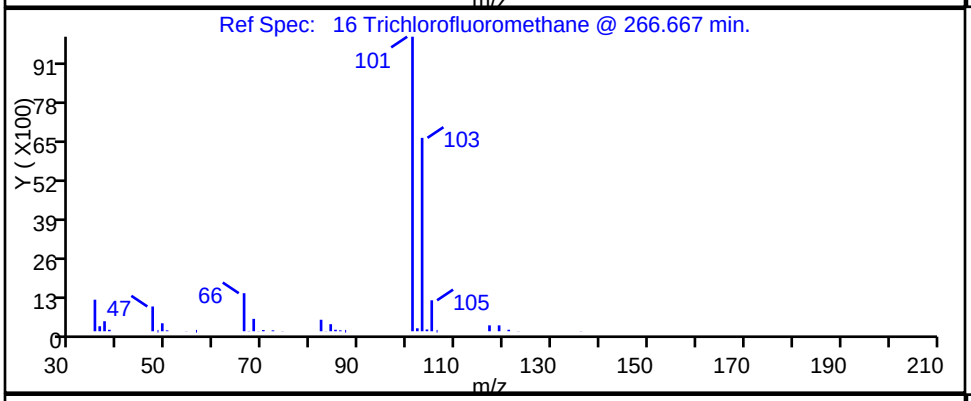
16 Trichlorofluoromethane, CAS: 75-69-4

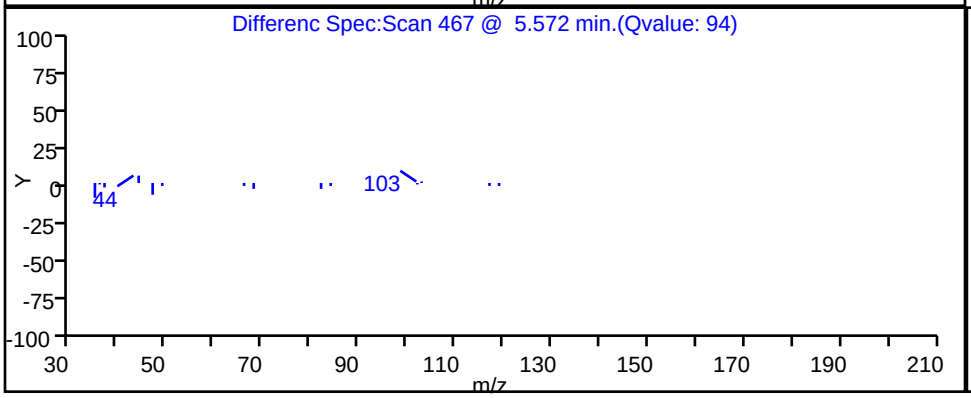


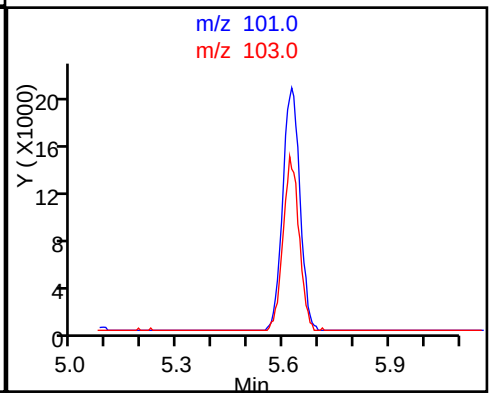












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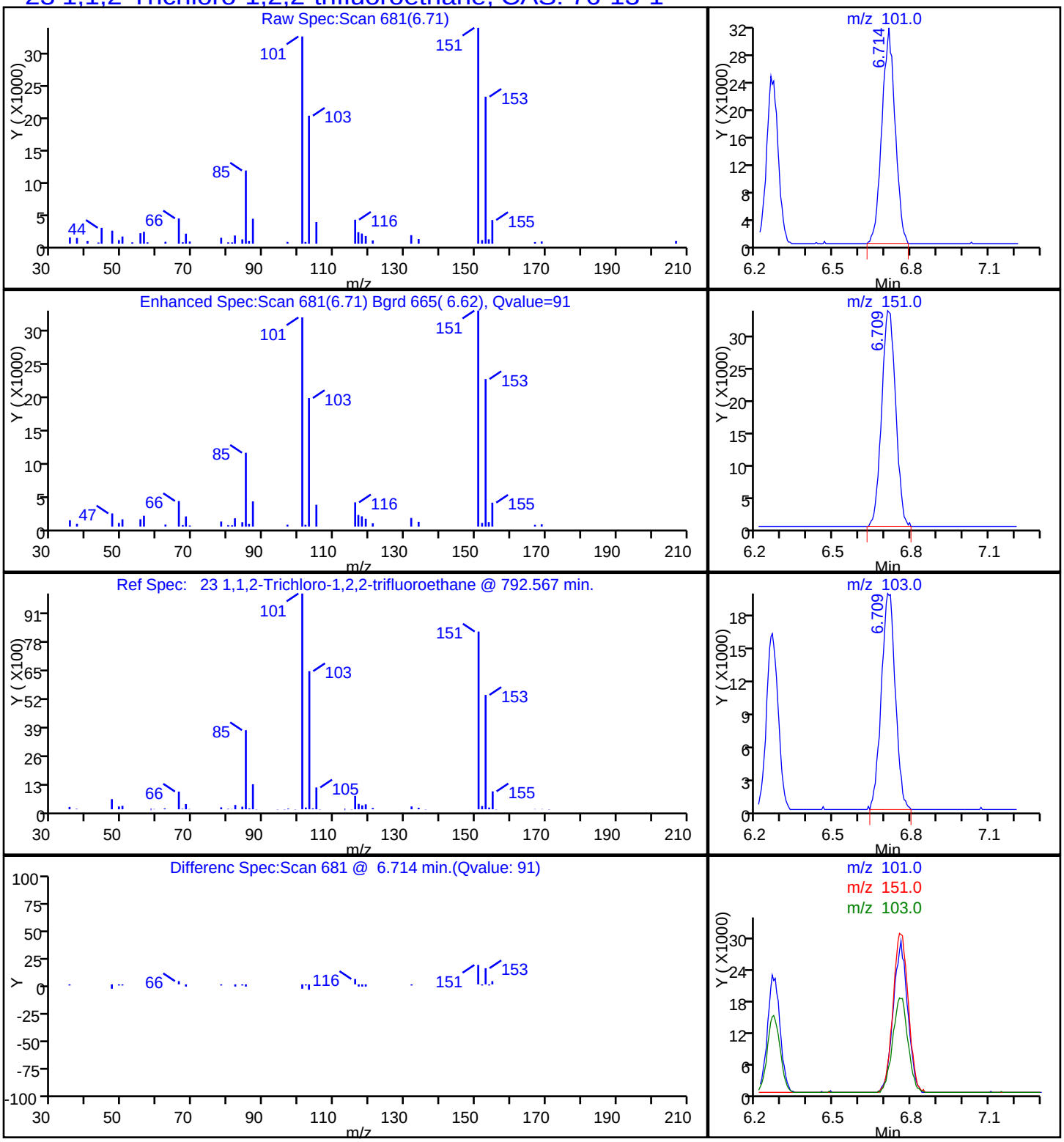
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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TestAmerica Burlington

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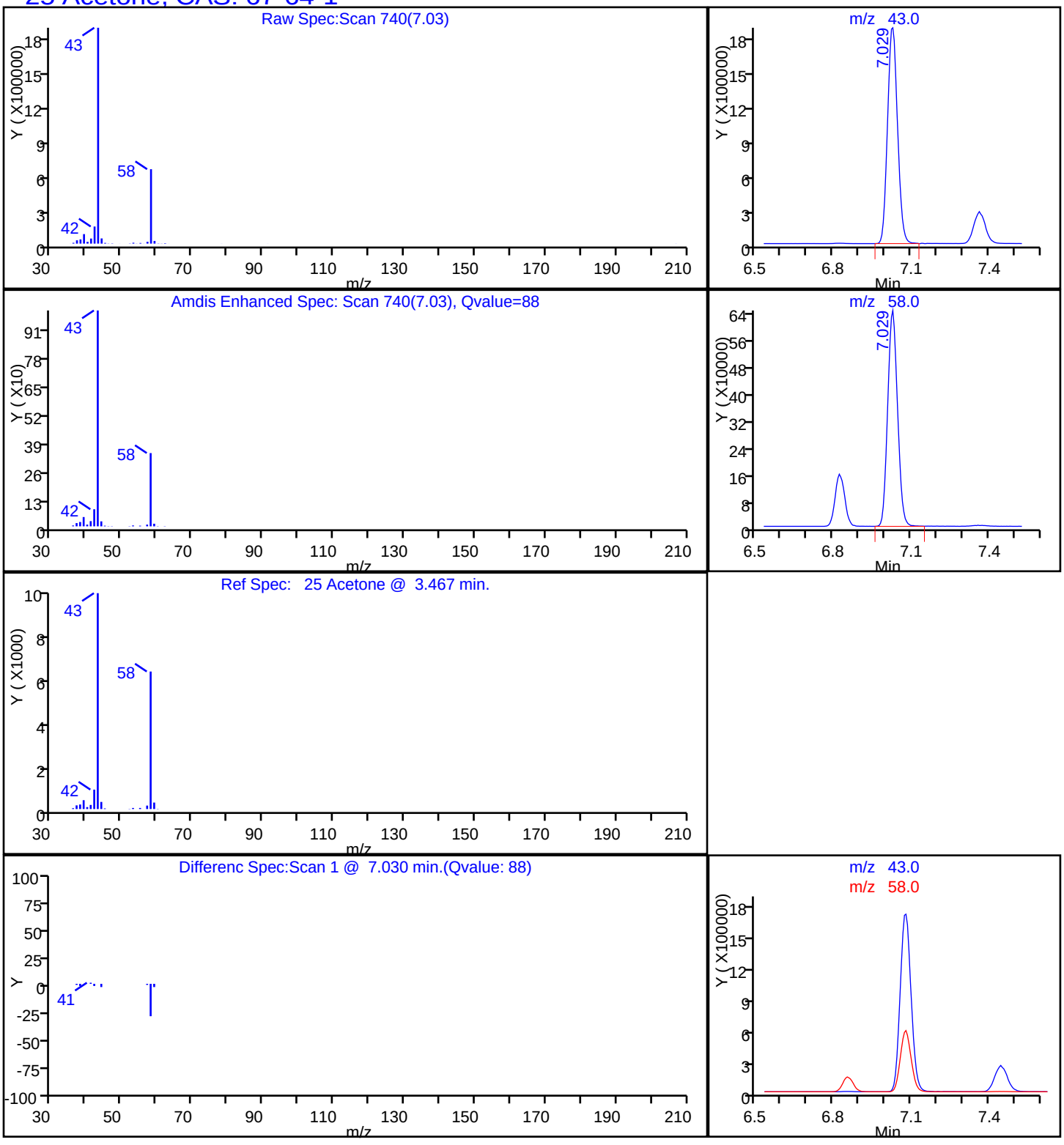
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



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TestAmerica Burlington

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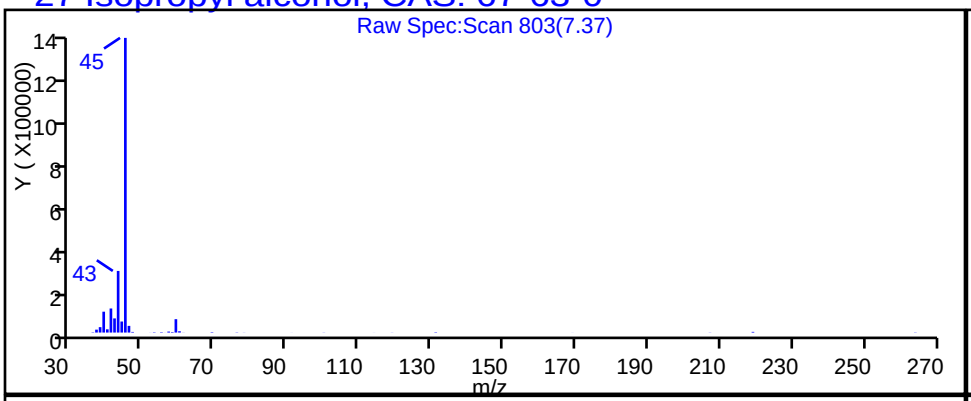
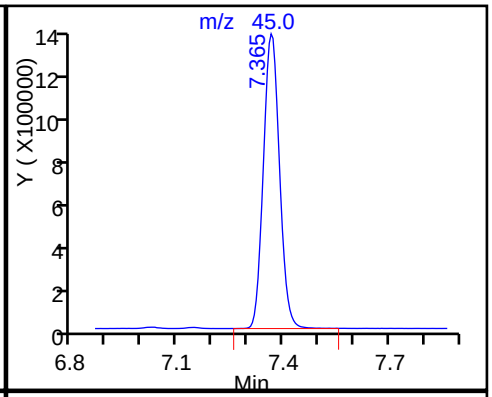
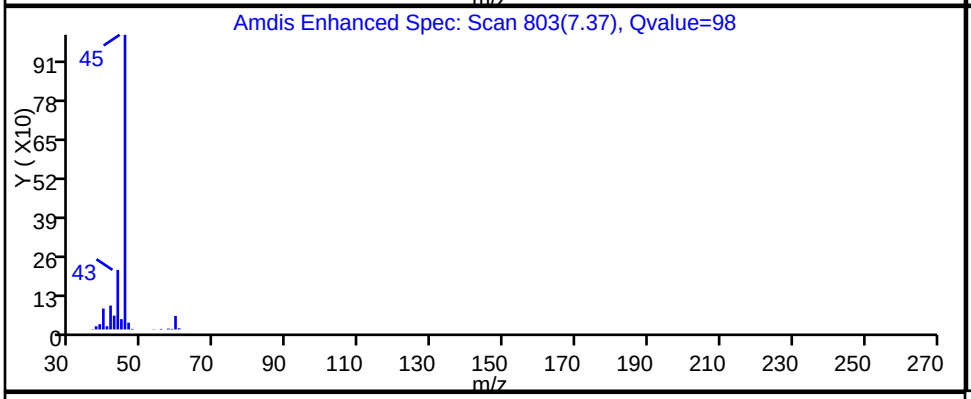
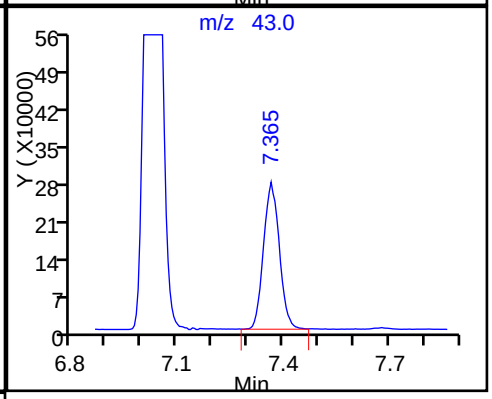
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

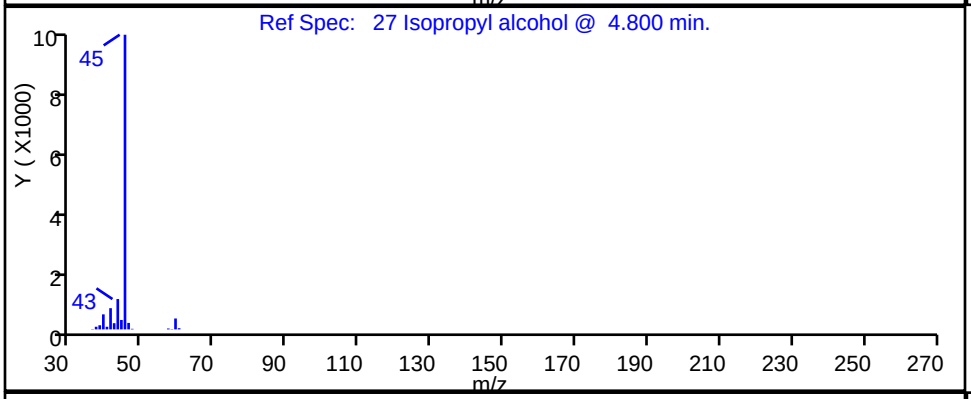
27 Isopropyl alcohol, CAS: 67-63-0

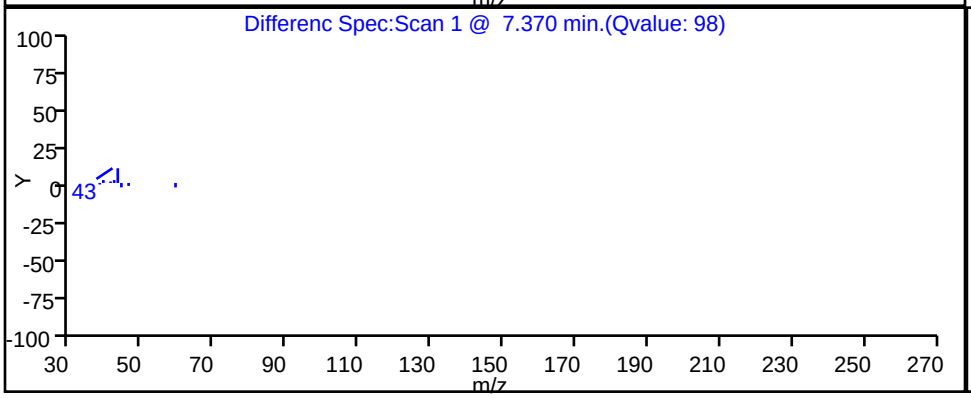


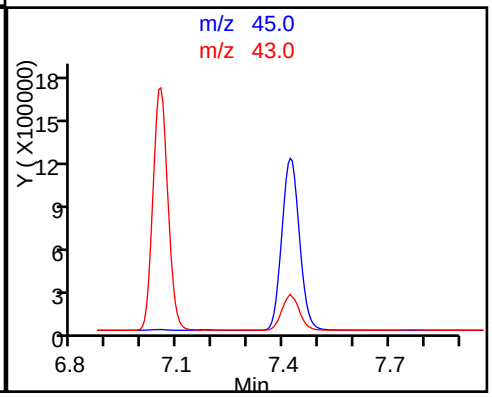












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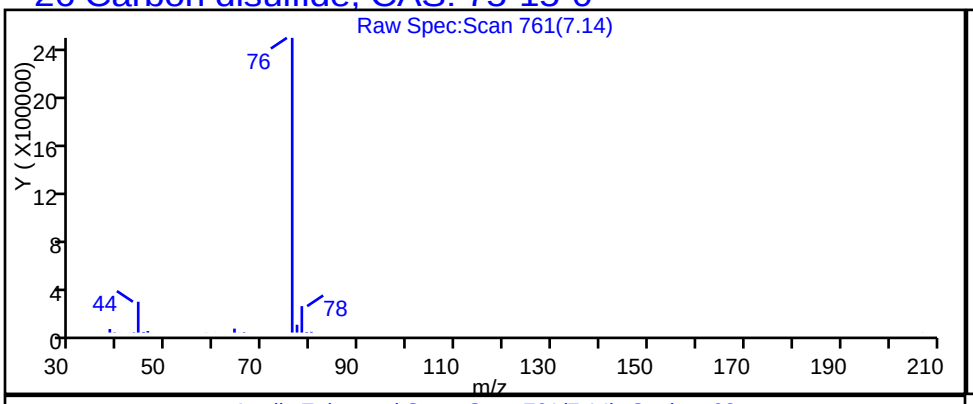
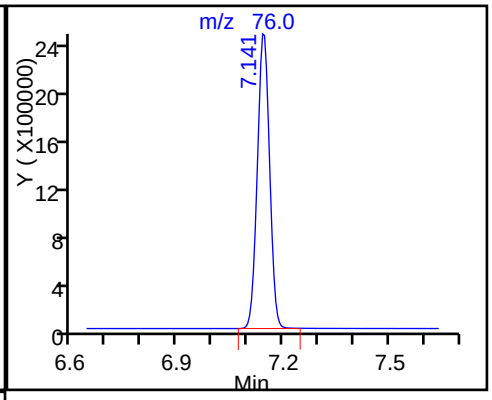
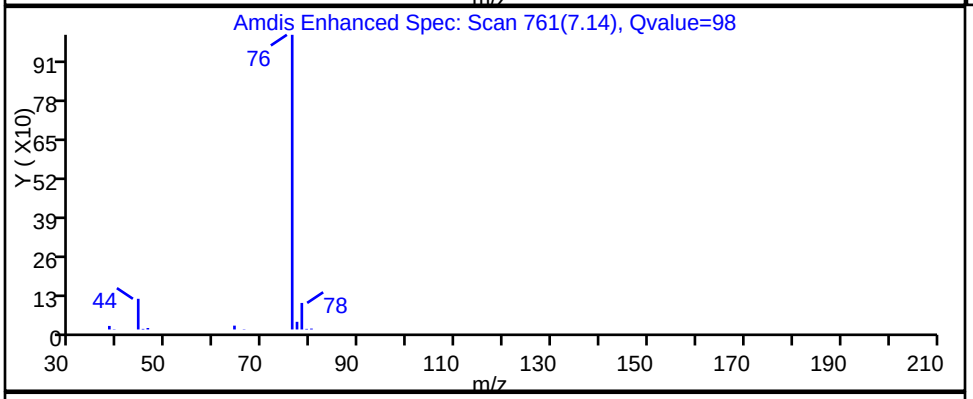
TestAmerica Burlington

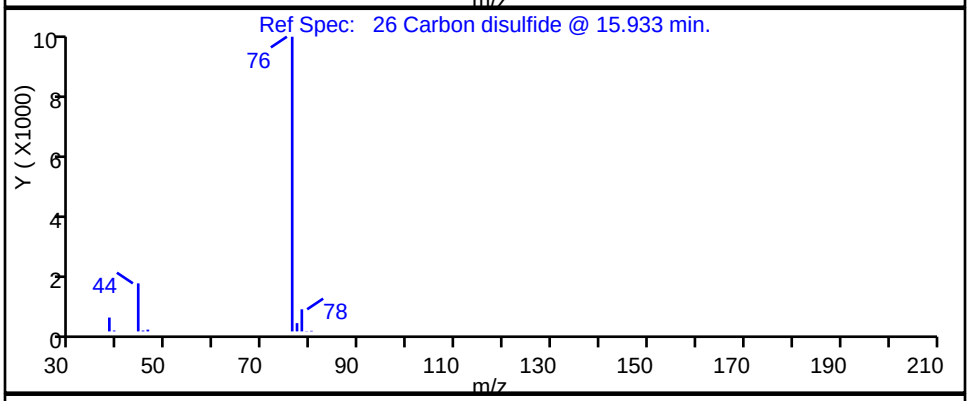
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D				
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

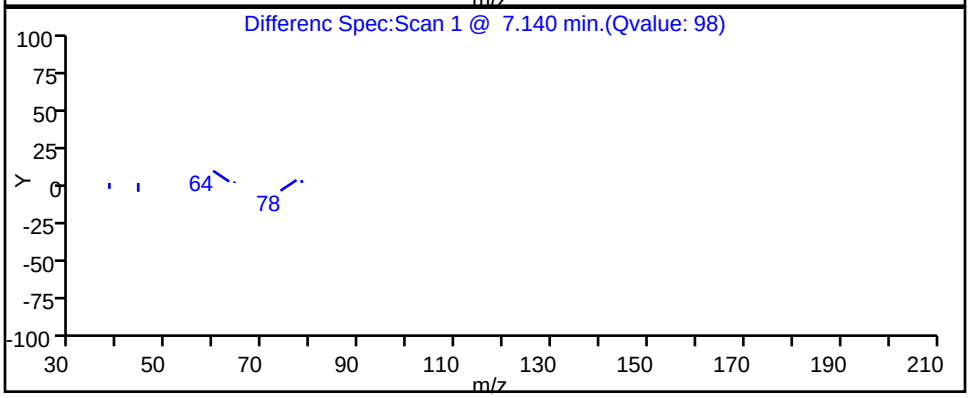
26 Carbon disulfide, CAS: 75-15-0











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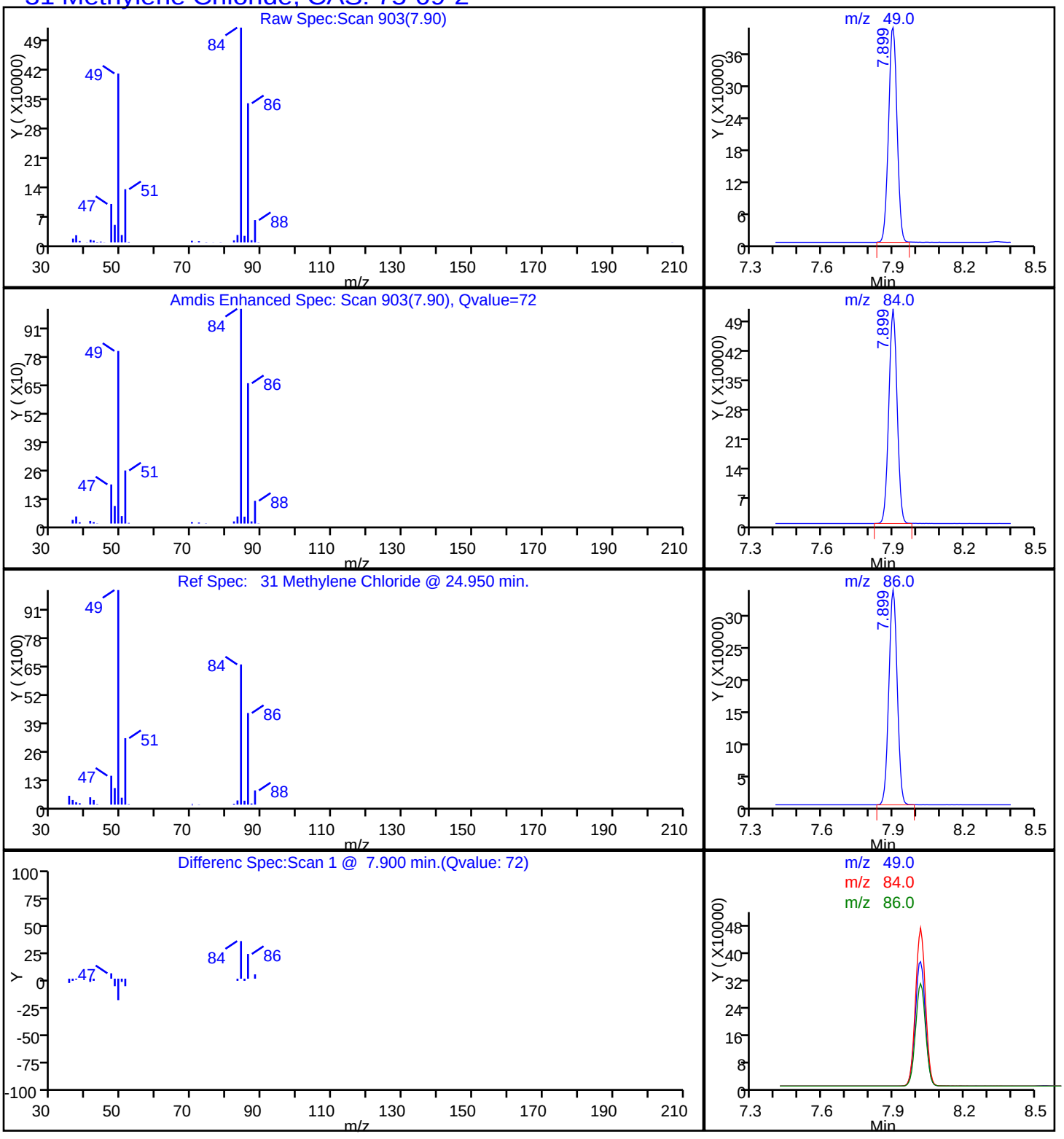
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D				
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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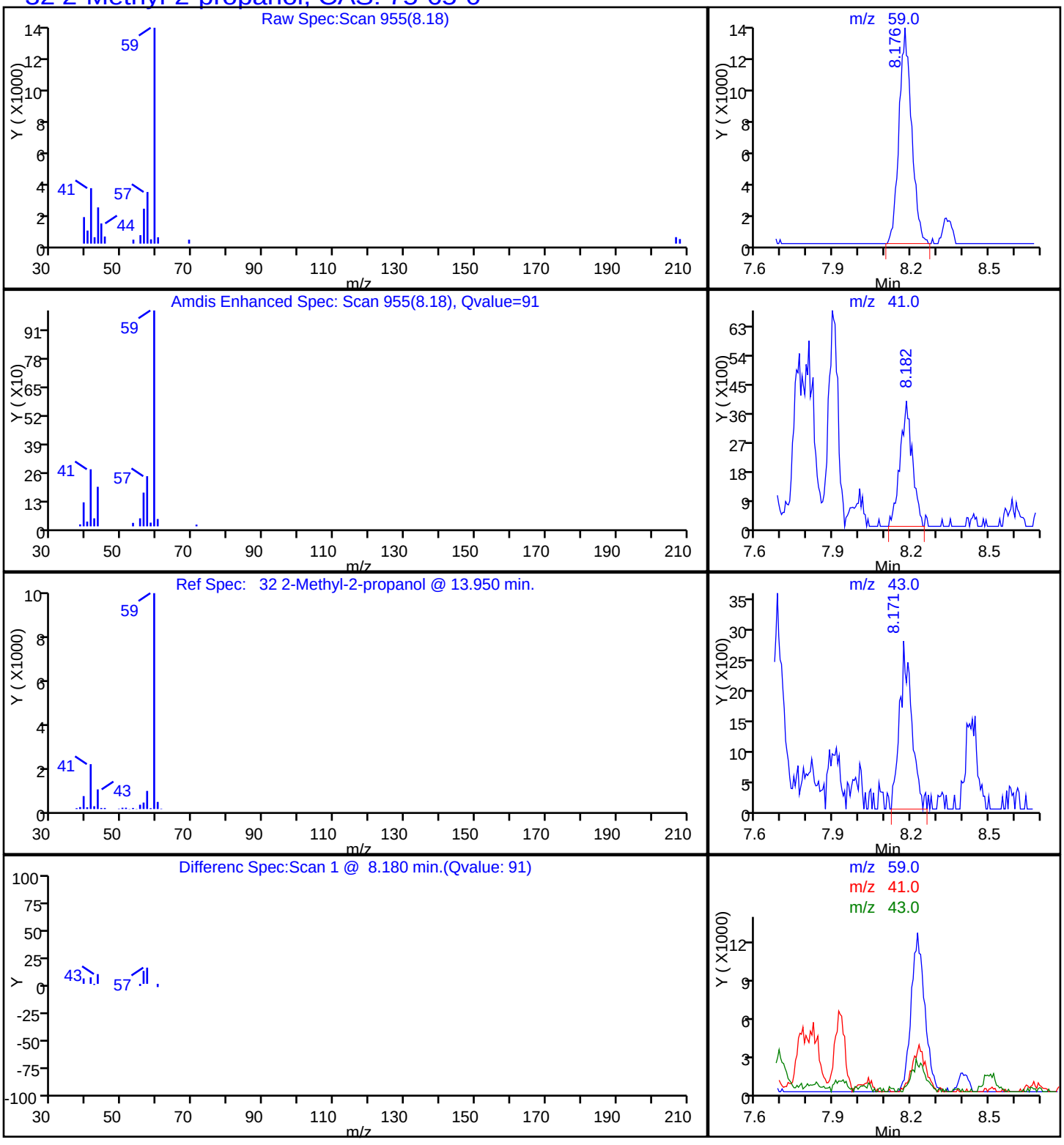
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

32 2-Methyl-2-propanol, CAS: 75-65-0



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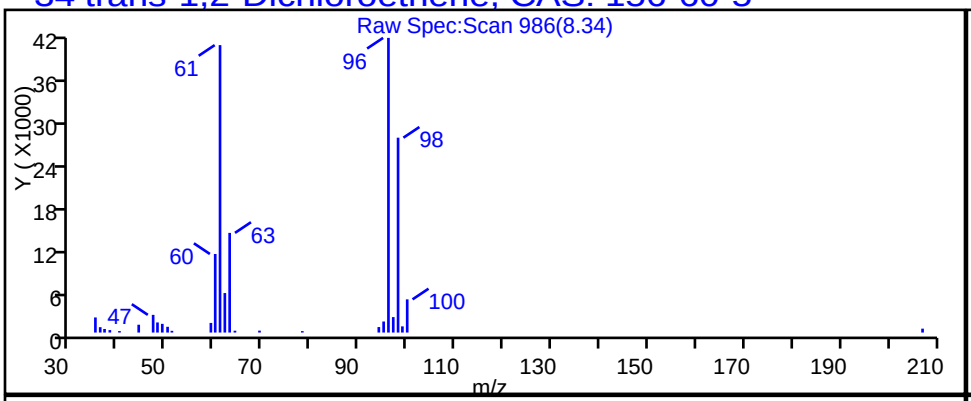
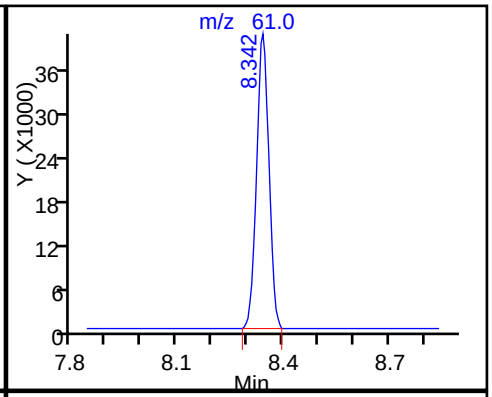
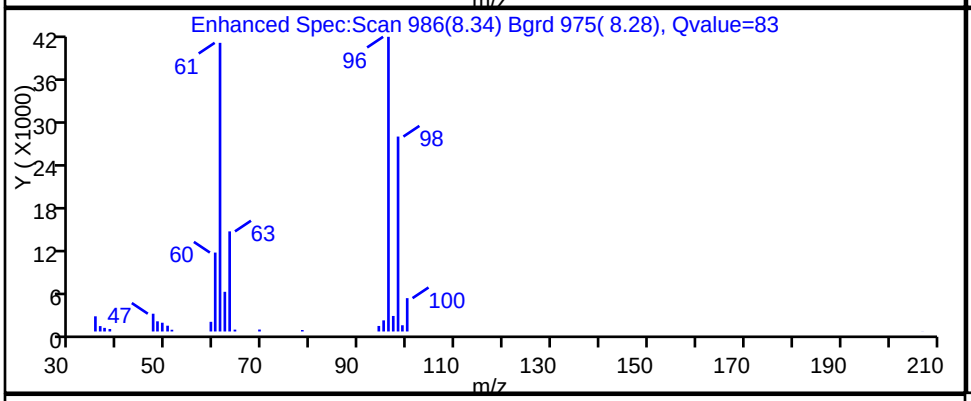
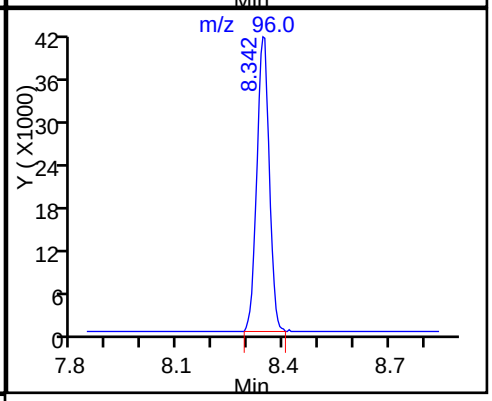
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

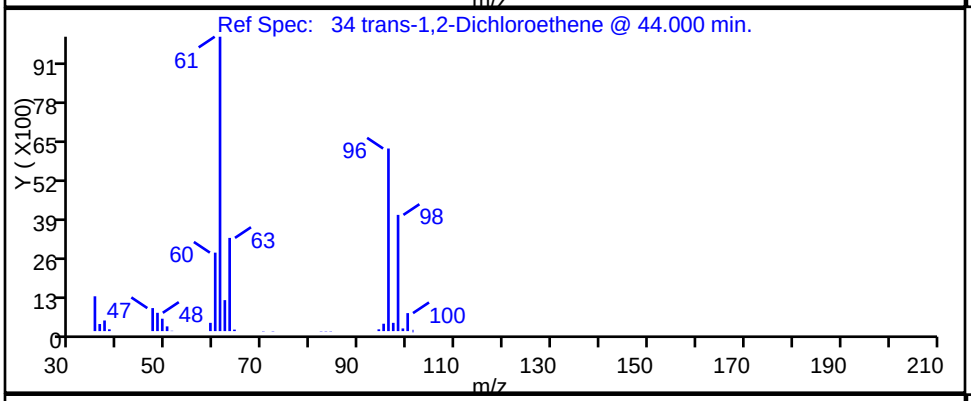
34 trans-1,2-Dichloroethene, CAS: 156-60-5

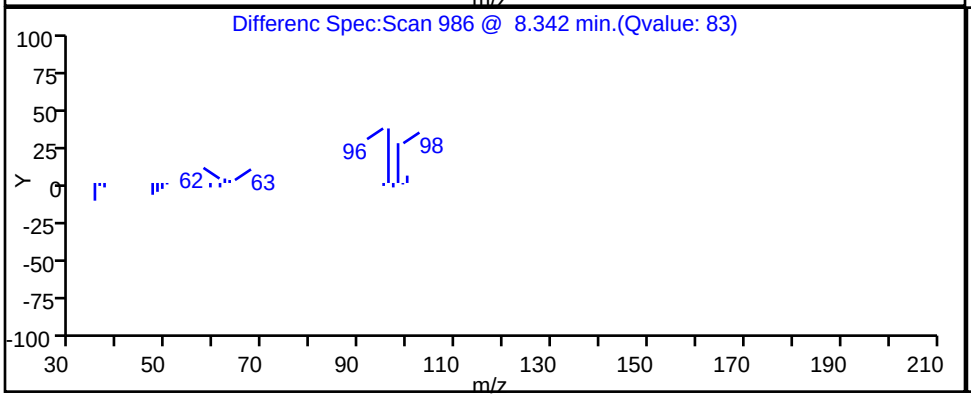


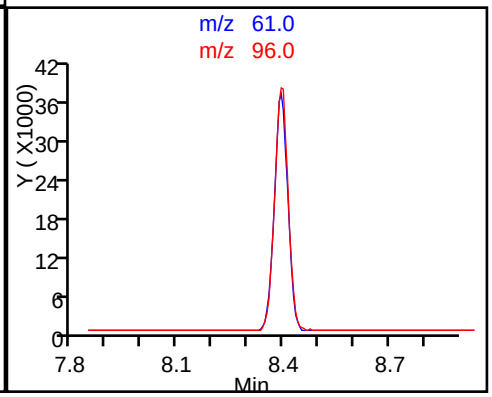












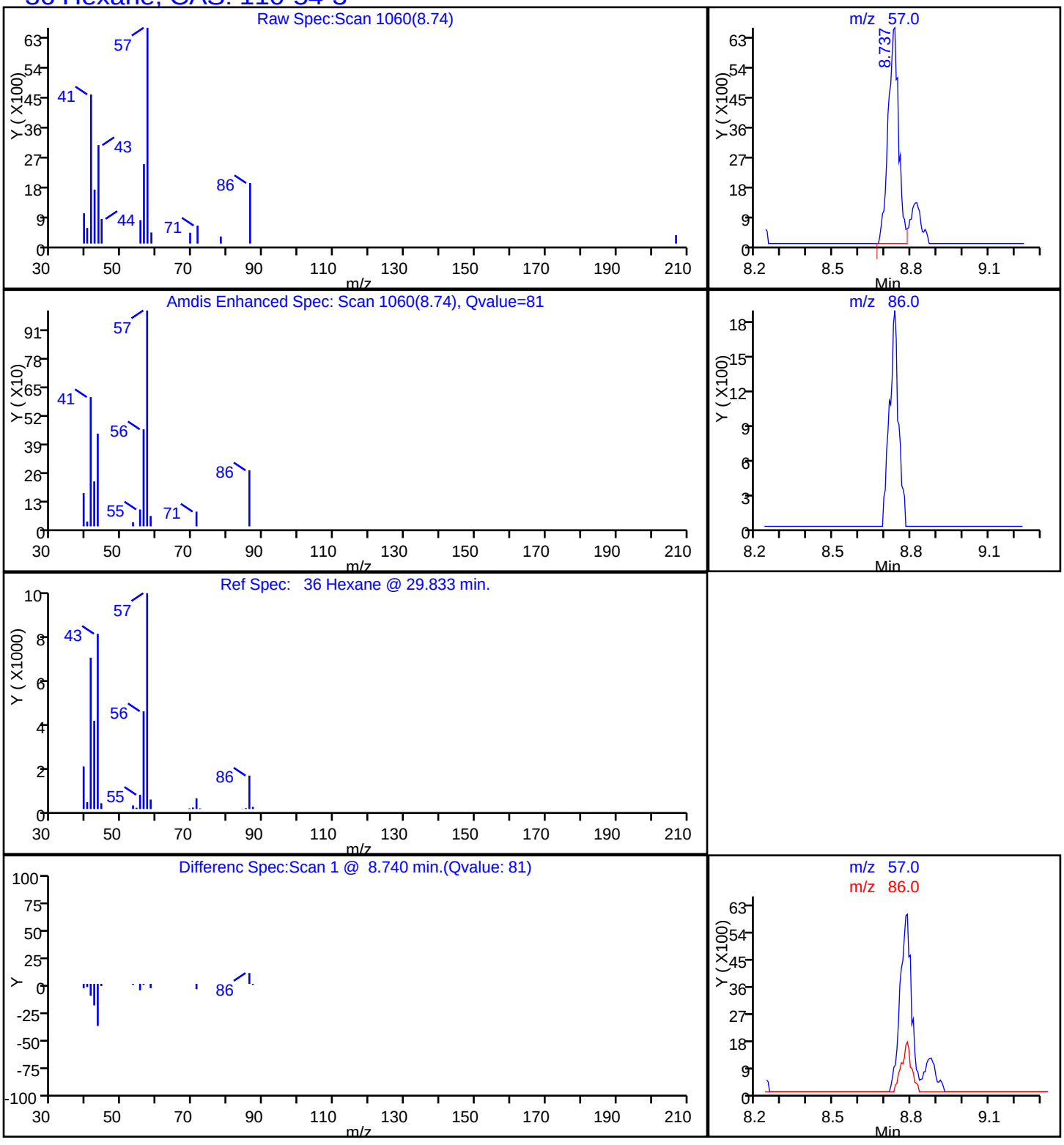
Report Date: 11-Apr-2014 11:47:50 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



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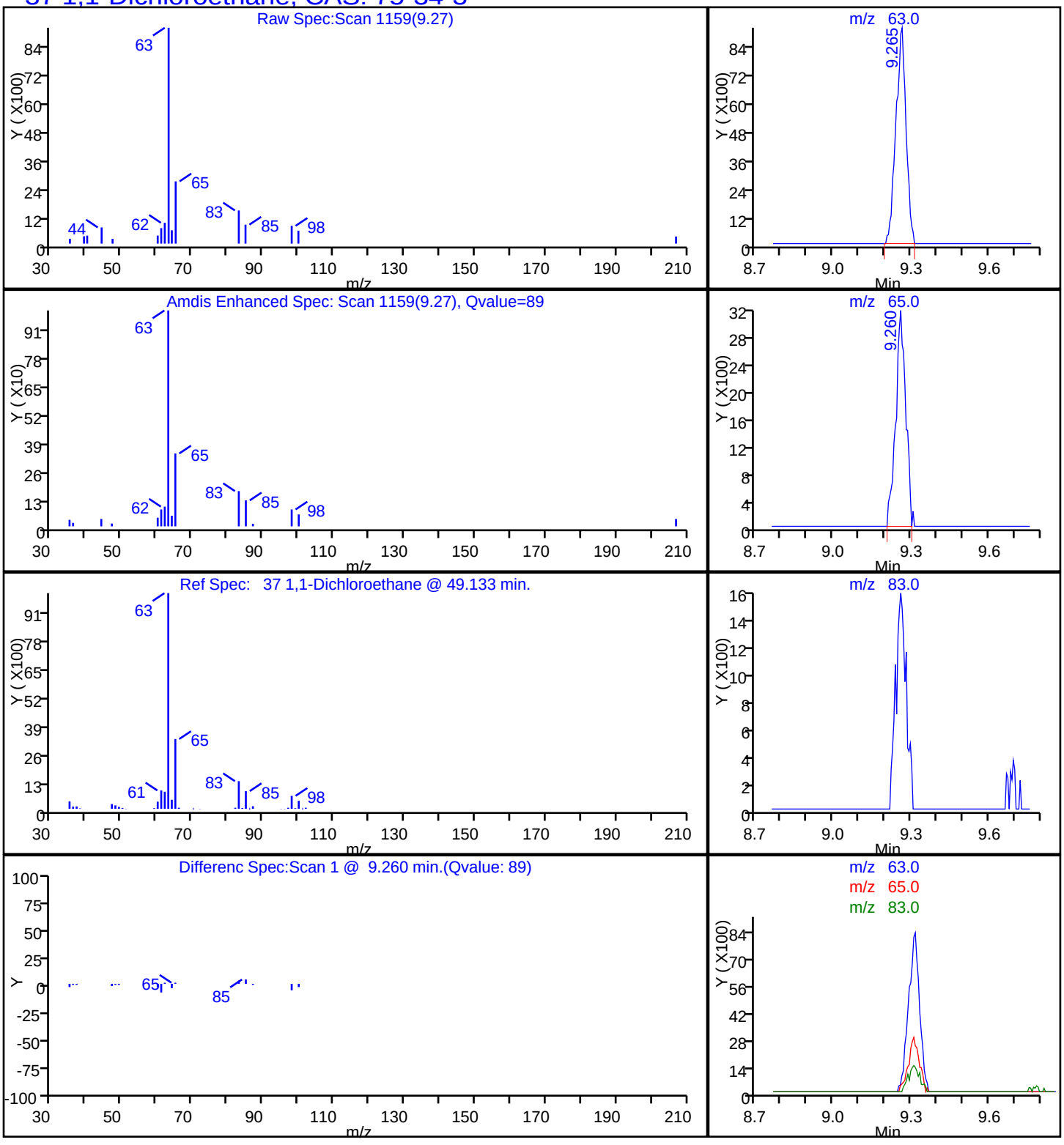
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
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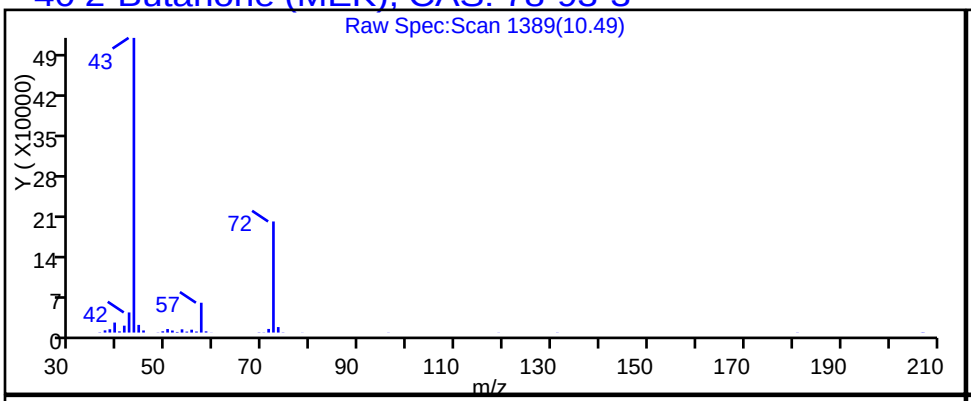
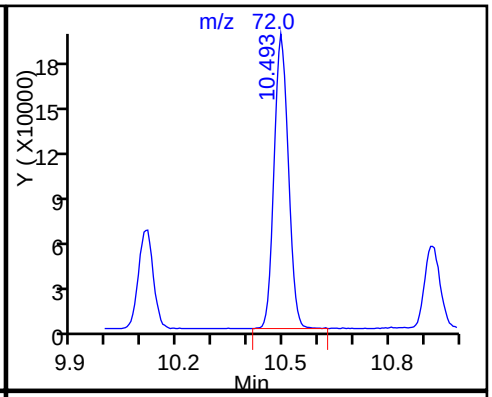
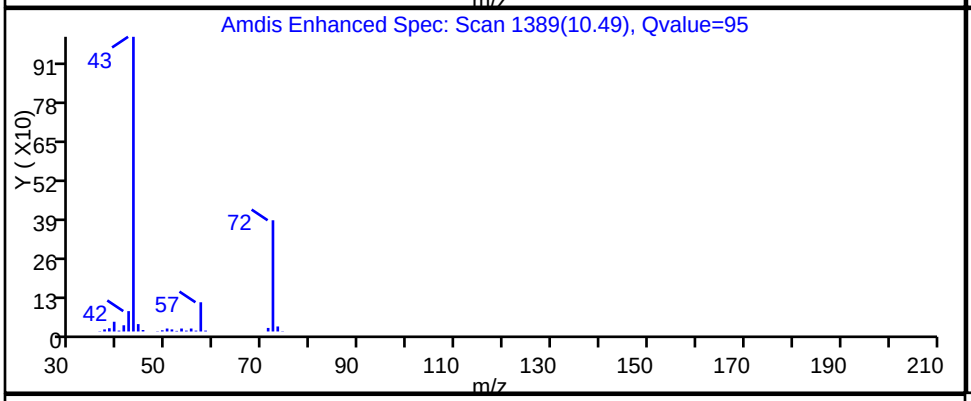
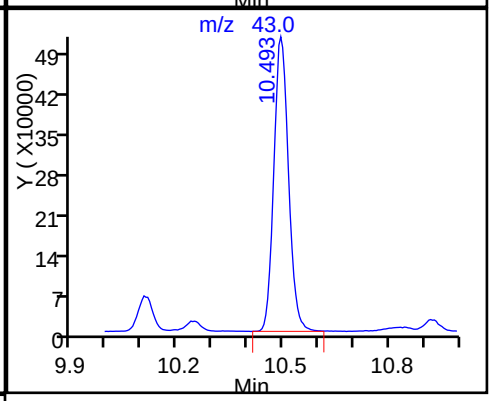
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

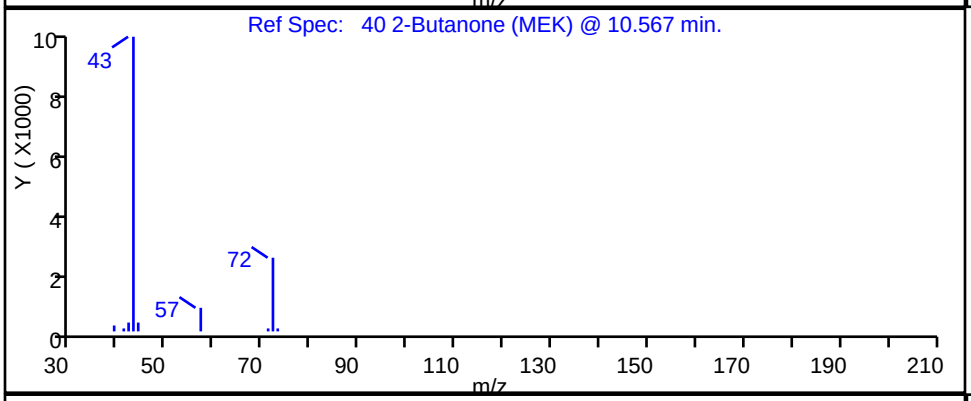
40 2-Butanone (MEK), CAS: 78-93-3

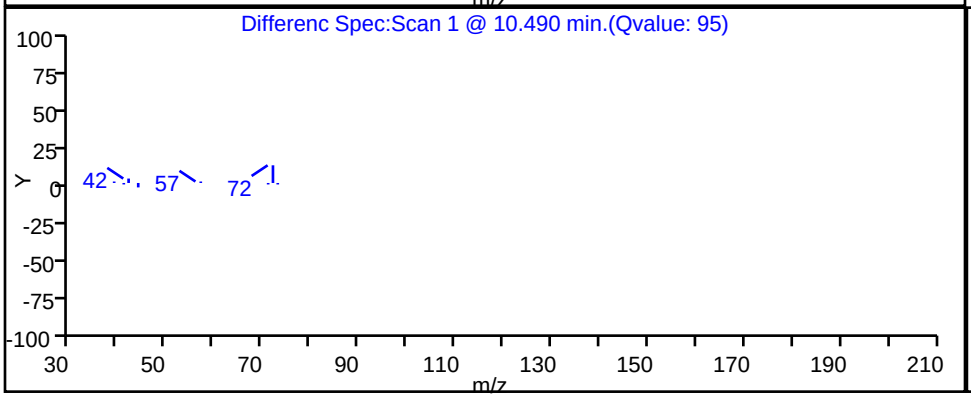


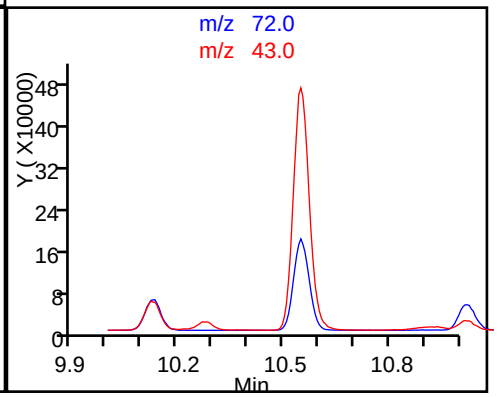












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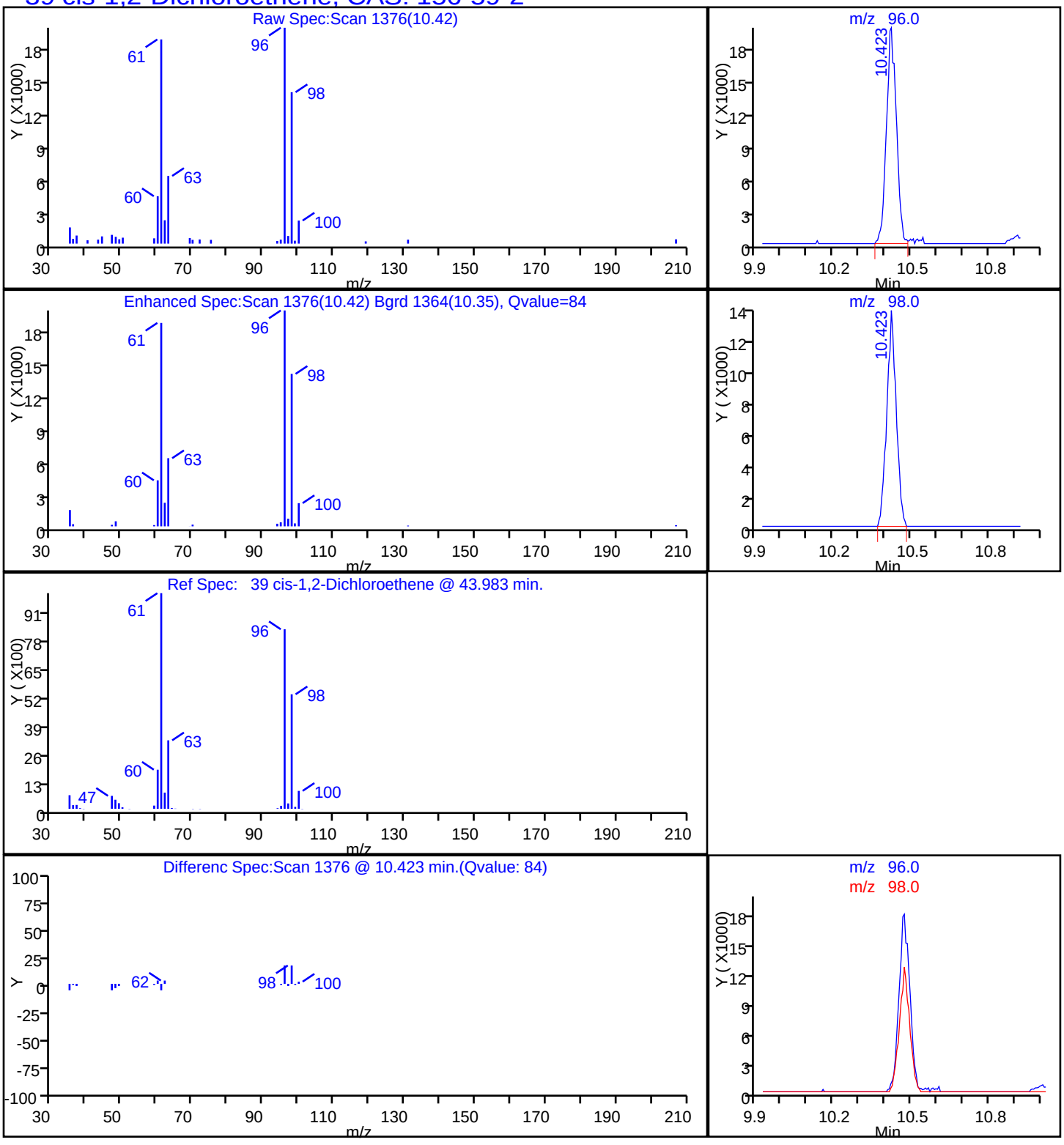
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2



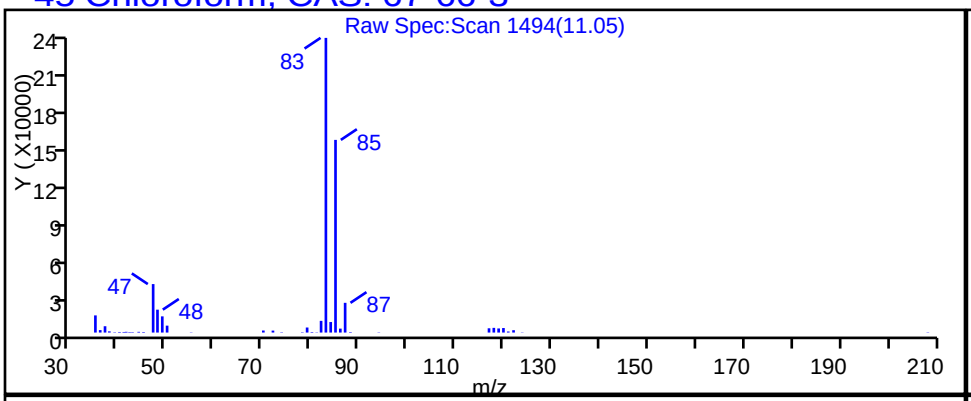
Report Date: 11-Apr-2014 11:47:50 Chrom Revision: 2.2 10-Apr-2014 15:11:30

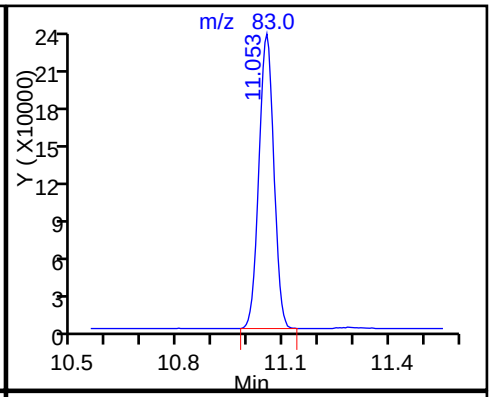
TestAmerica Burlington

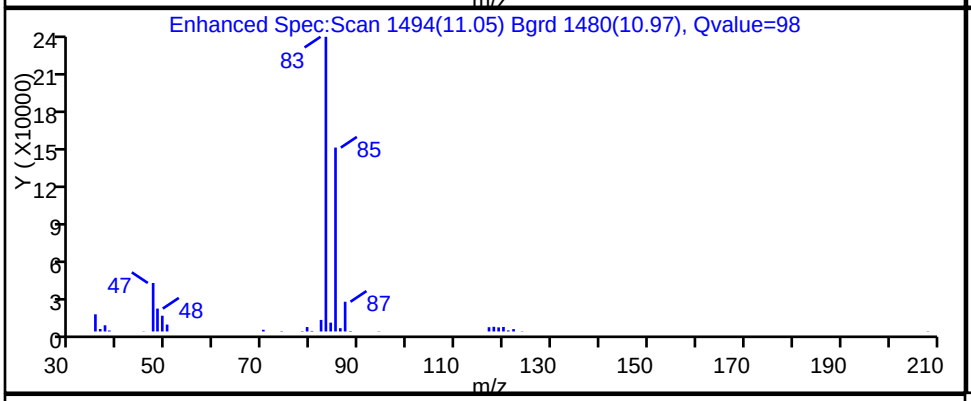
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

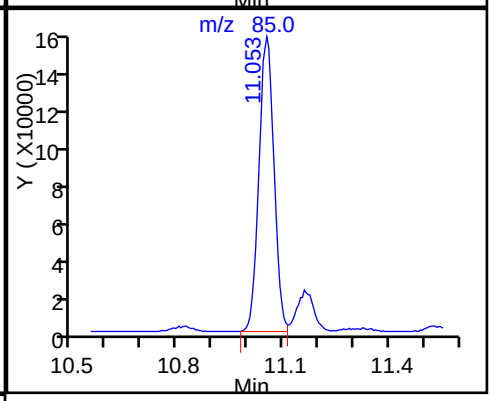
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

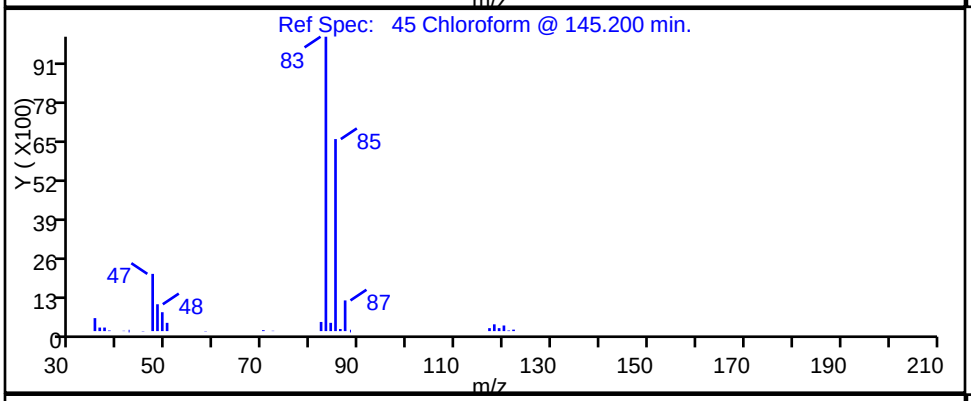
45 Chloroform, CAS: 67-66-3

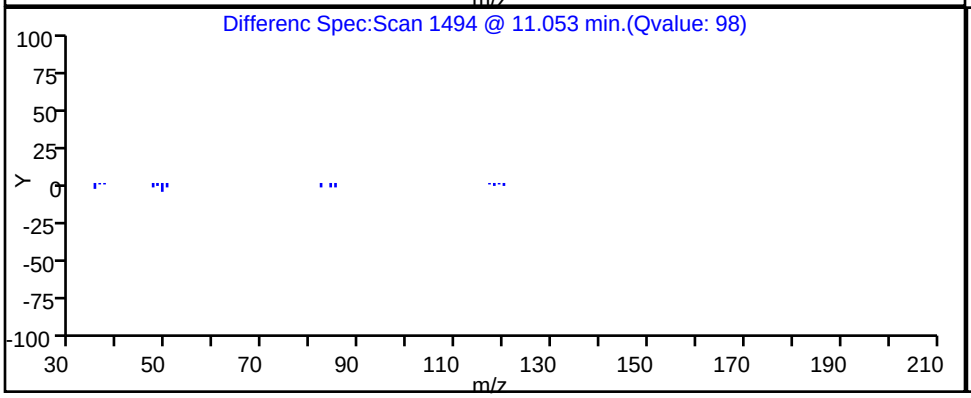


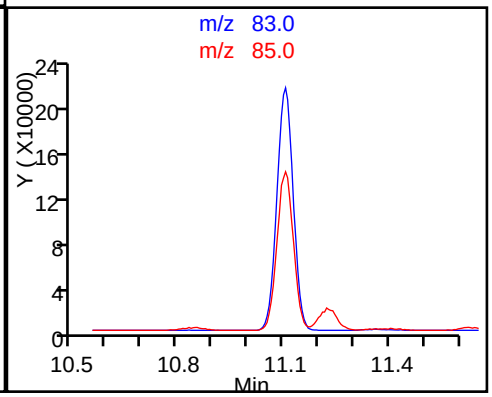












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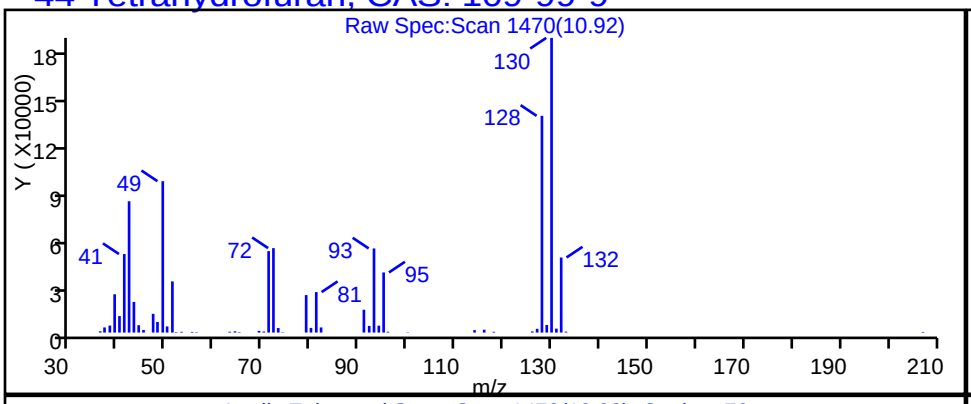
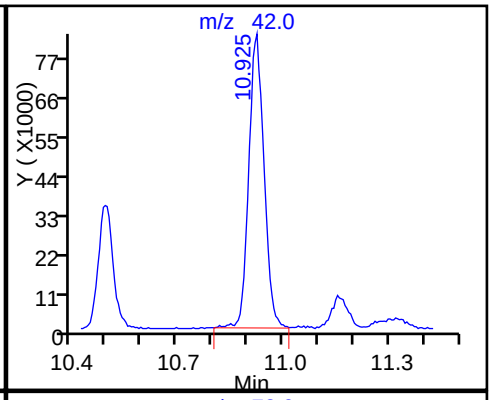
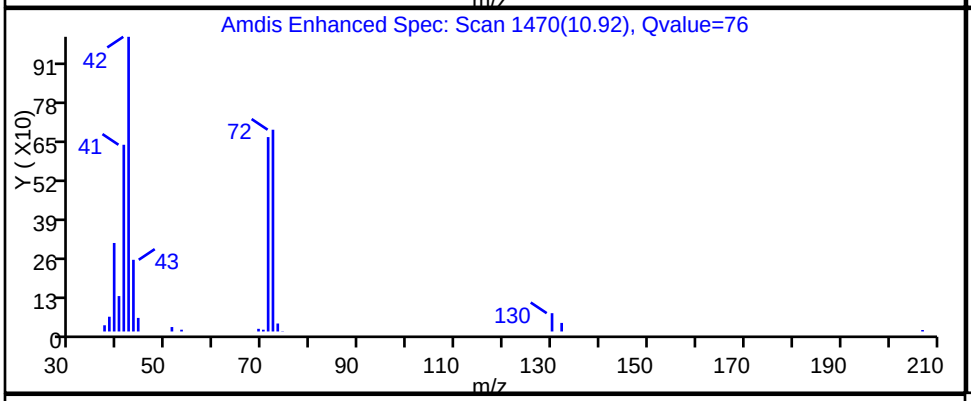
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

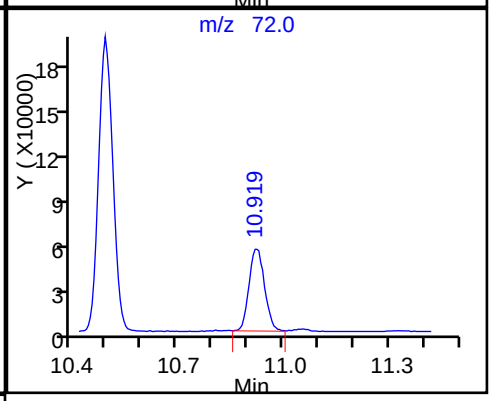
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11
Client ID:	SDS-8		
Operator ID:	wrd	ALS Bottle#:	1 Worklist Smp#: 21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

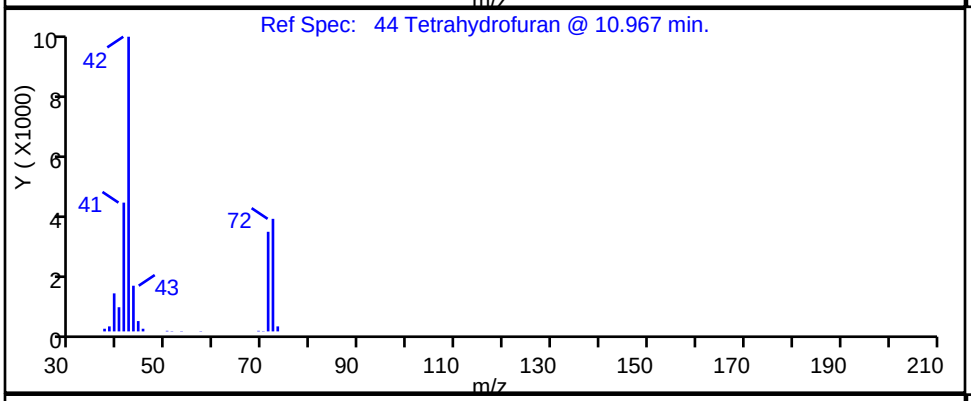
44 Tetrahydrofuran, CAS: 109-99-9

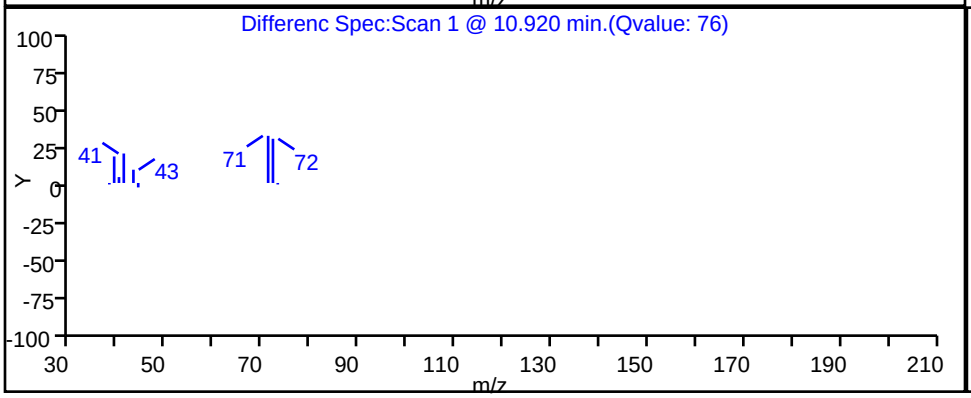


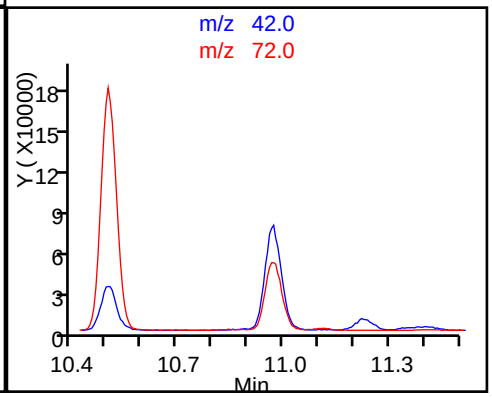












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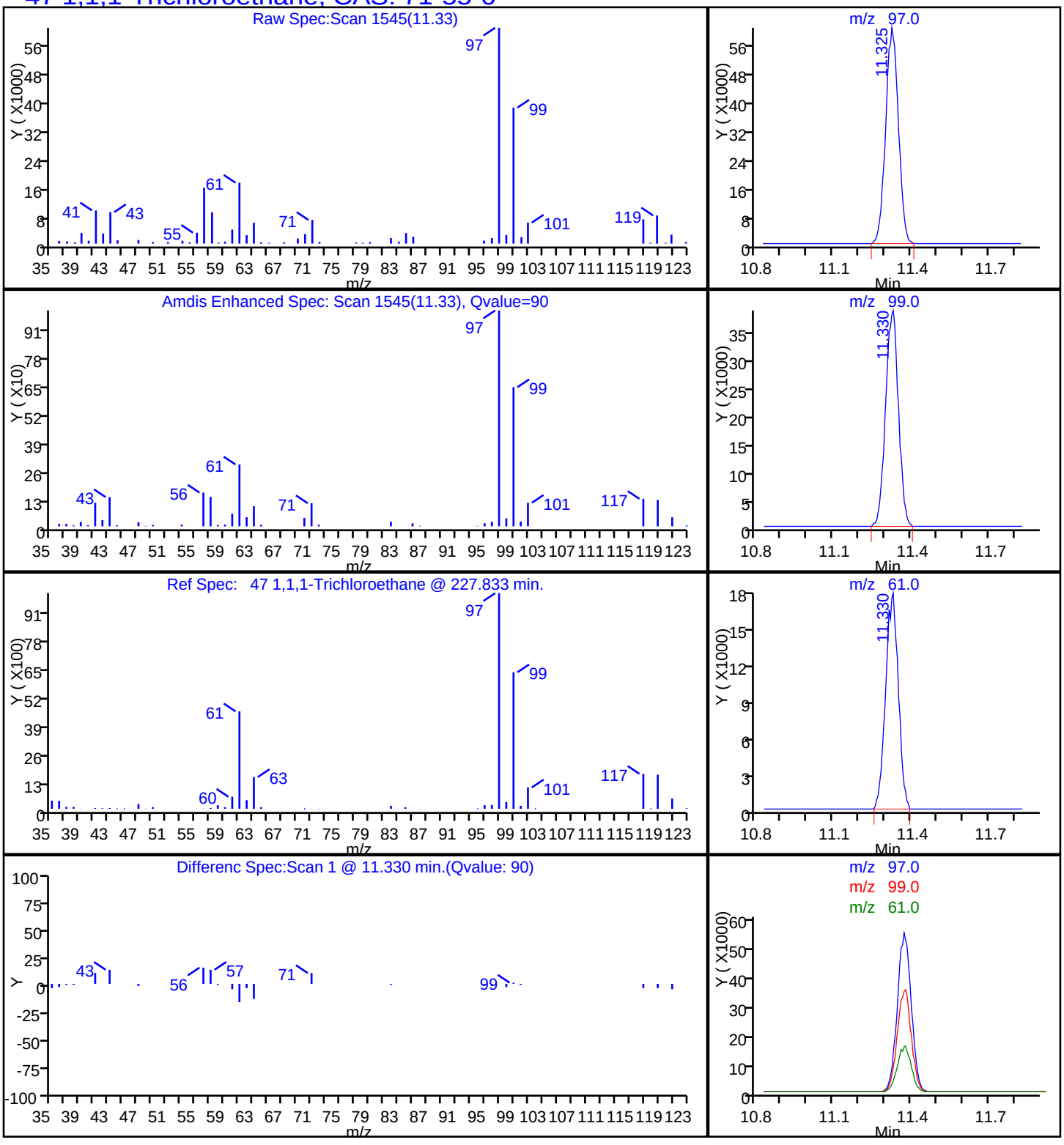
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D				
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



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Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
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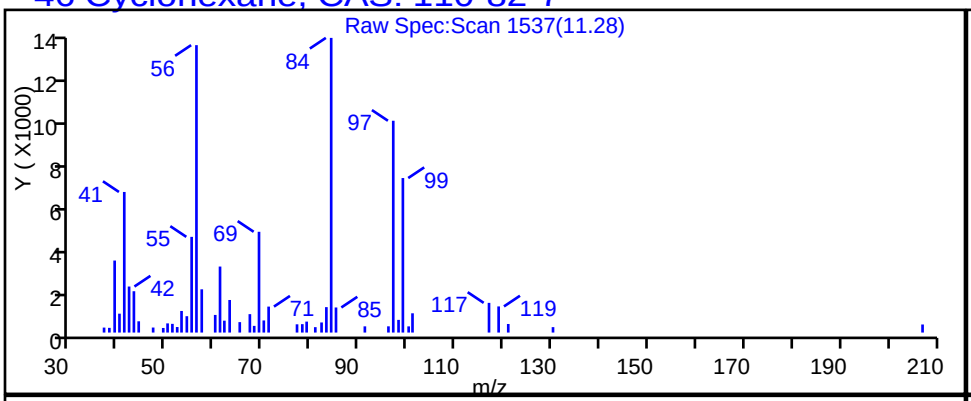
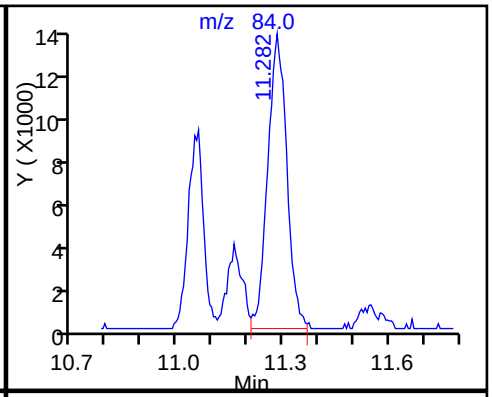
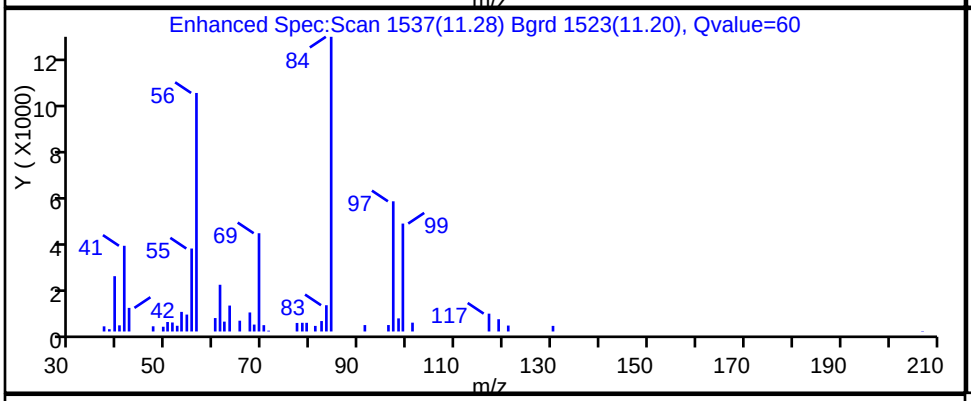
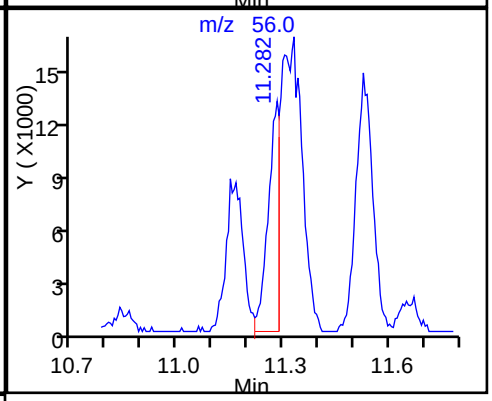
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

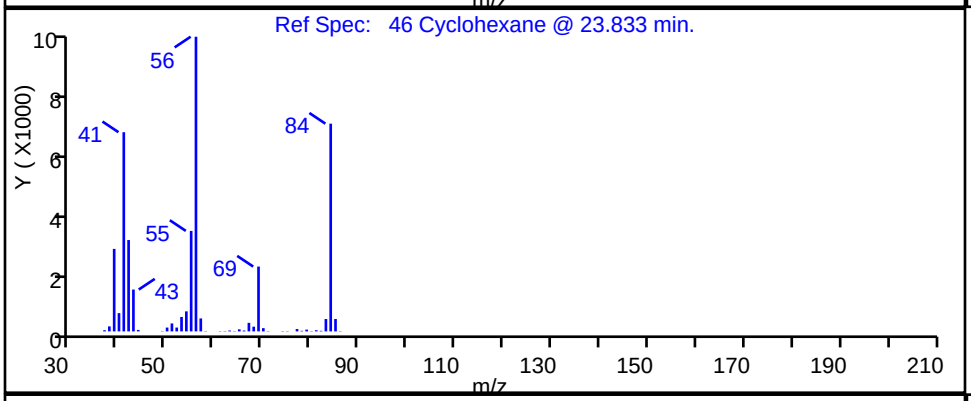
46 Cyclohexane, CAS: 110-82-7

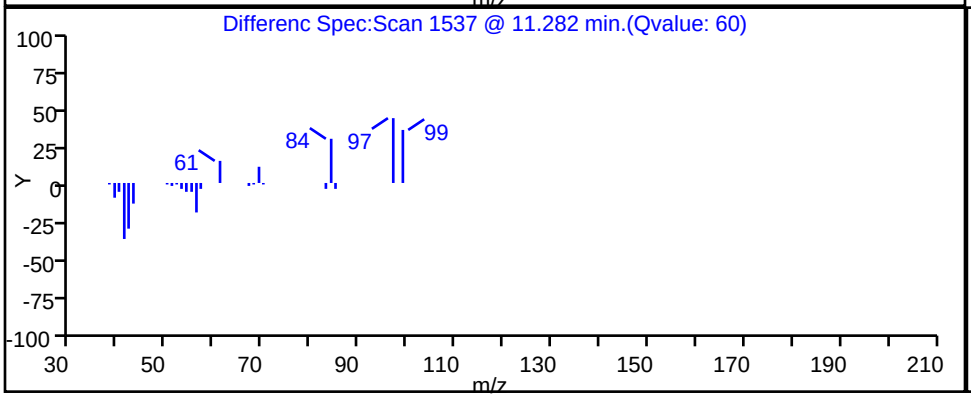


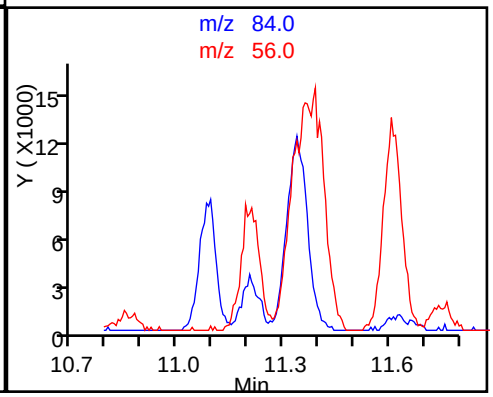












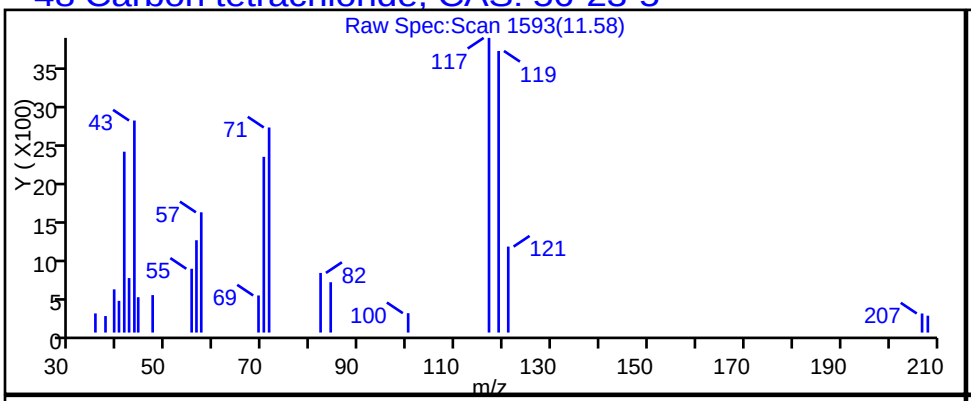
Report Date: 11-Apr-2014 11:47:50 Chrom Revision: 2.2 10-Apr-2014 15:11:30

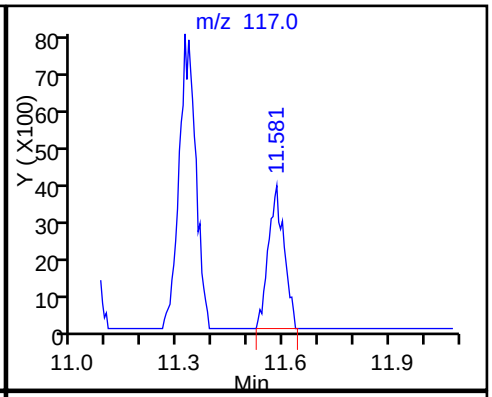
TestAmerica Burlington

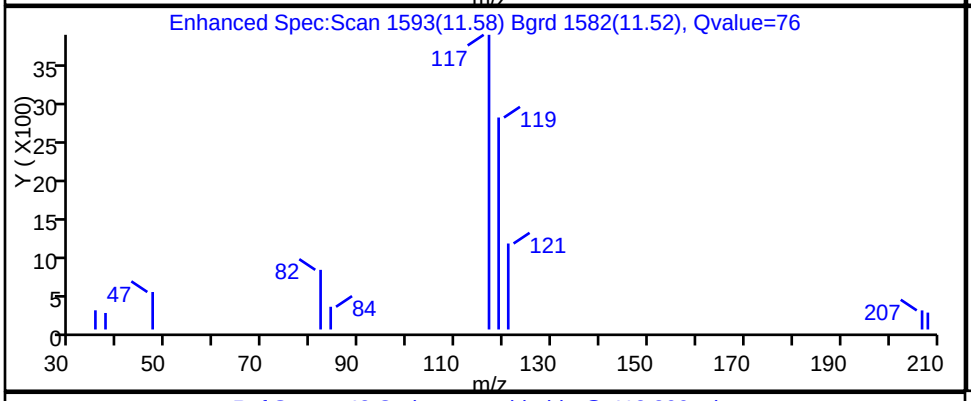
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

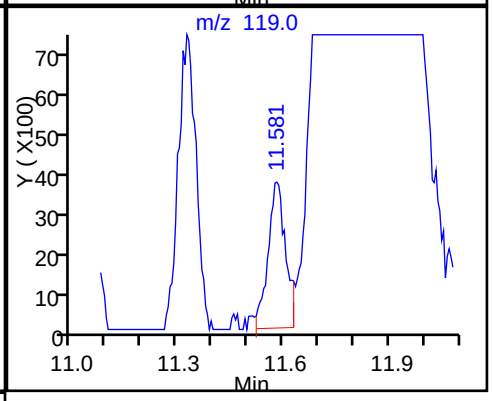
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

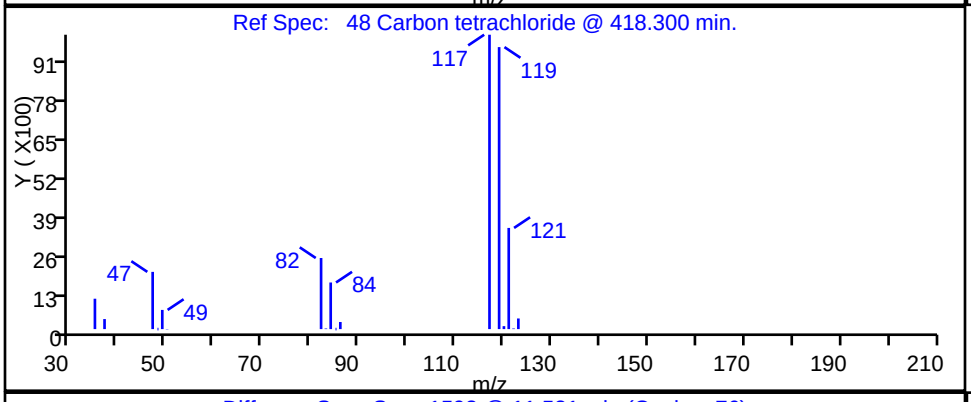
48 Carbon tetrachloride, CAS: 56-23-5

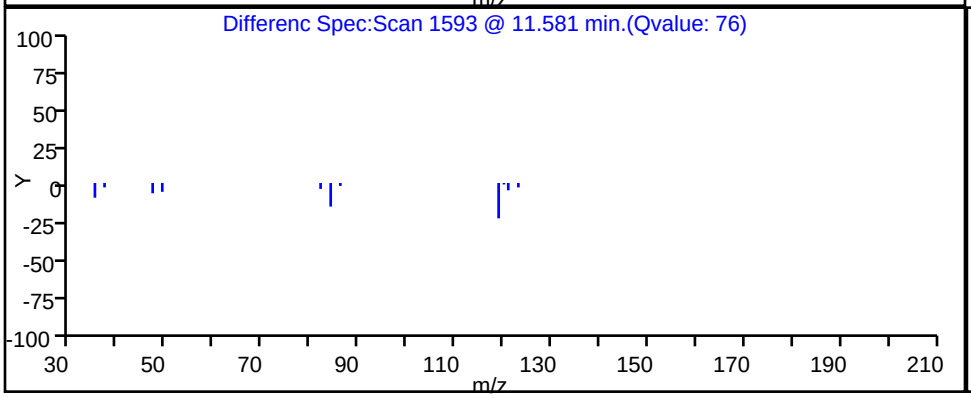


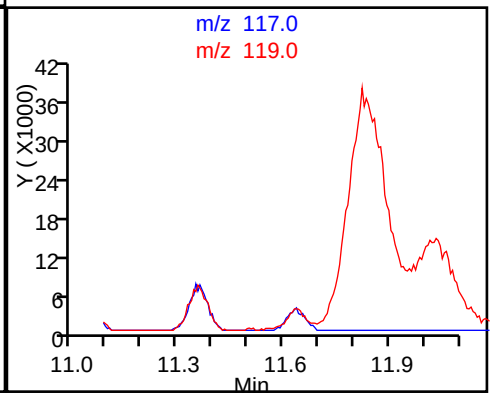












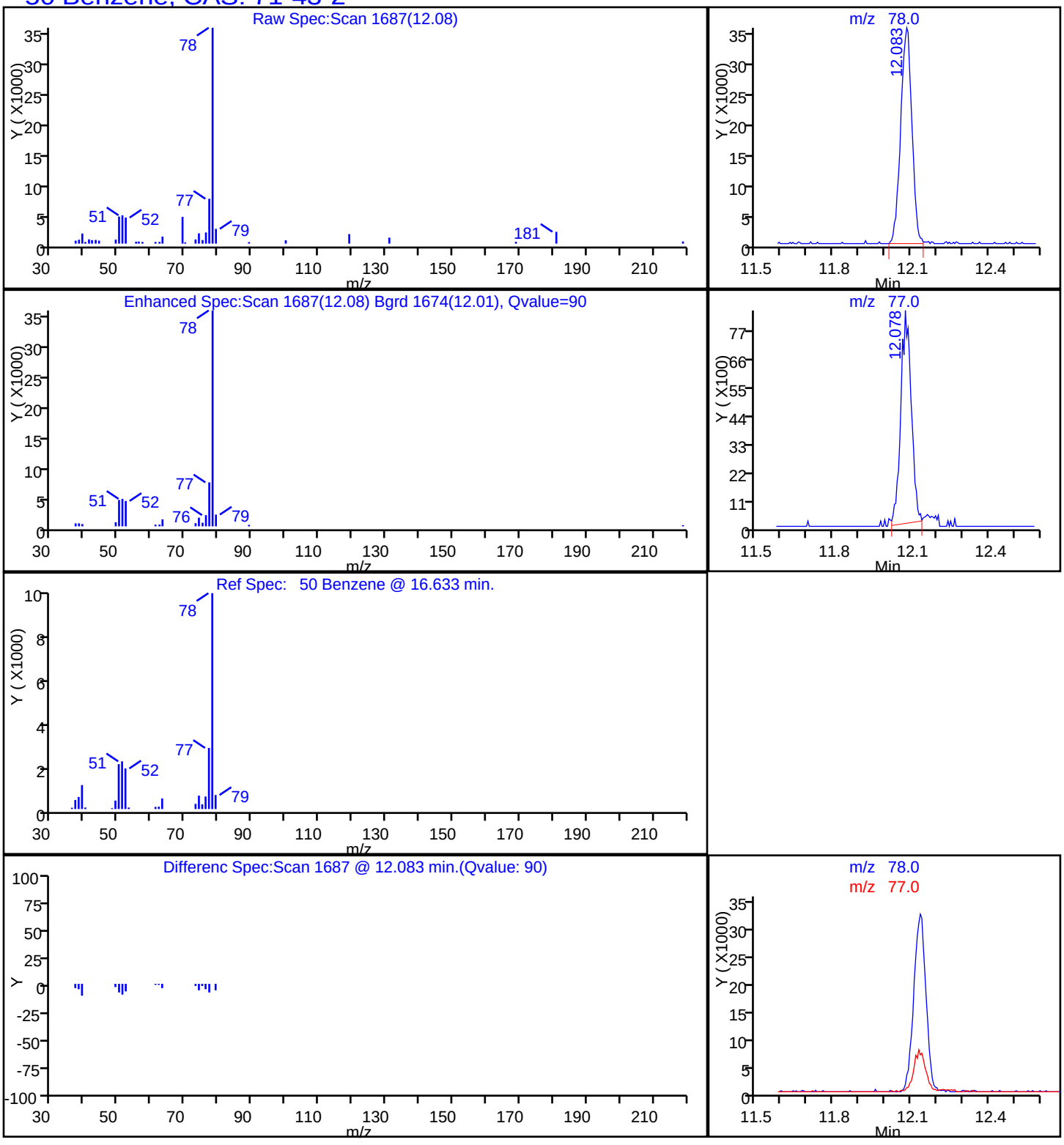
Report Date: 11-Apr-2014 11:47:50 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



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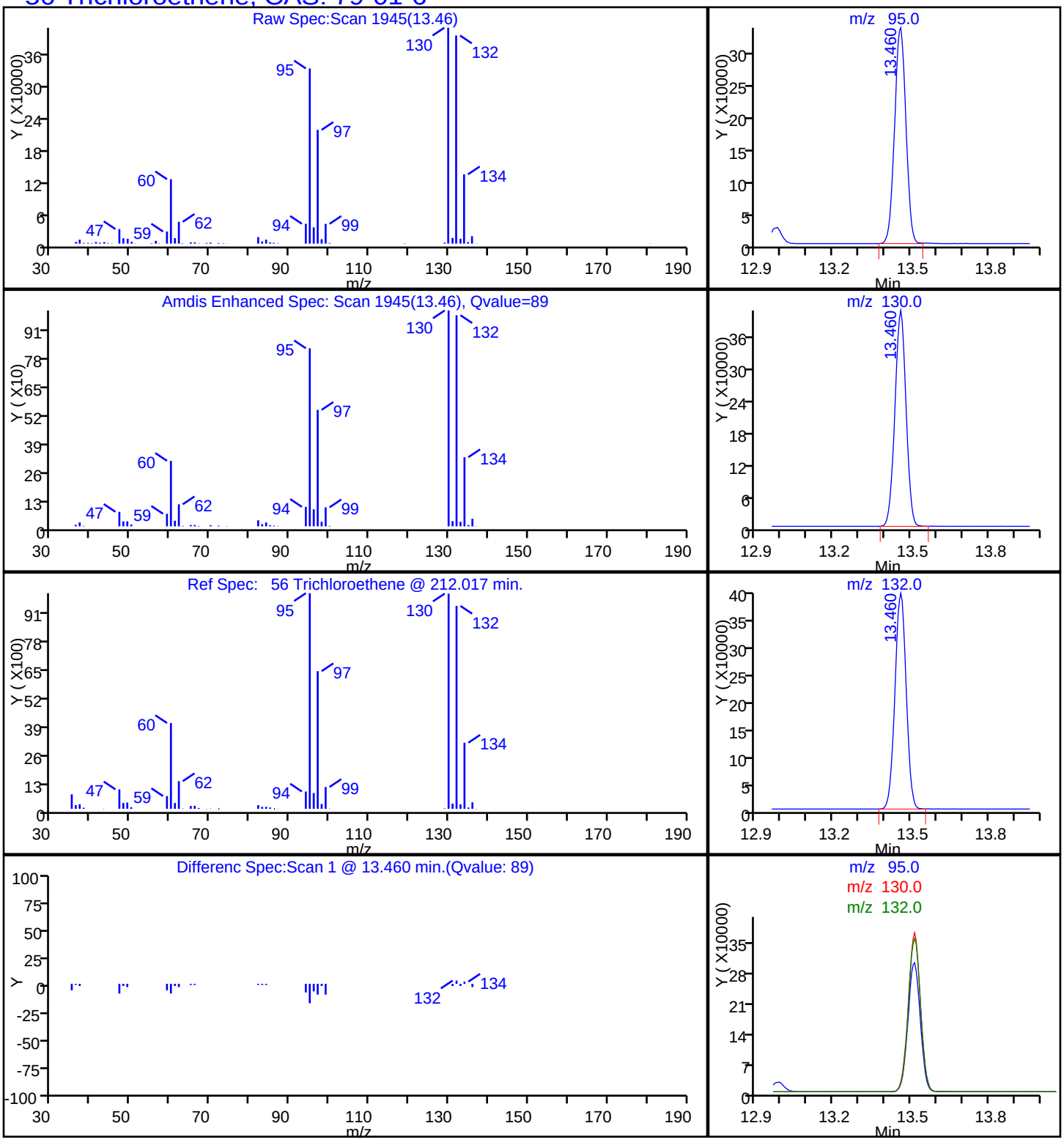
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11
Client ID:	SDS-8		
Operator ID:	wrd	ALS Bottle#:	1 Worklist Smp#: 21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

56 Trichloroethene, CAS: 79-01-6



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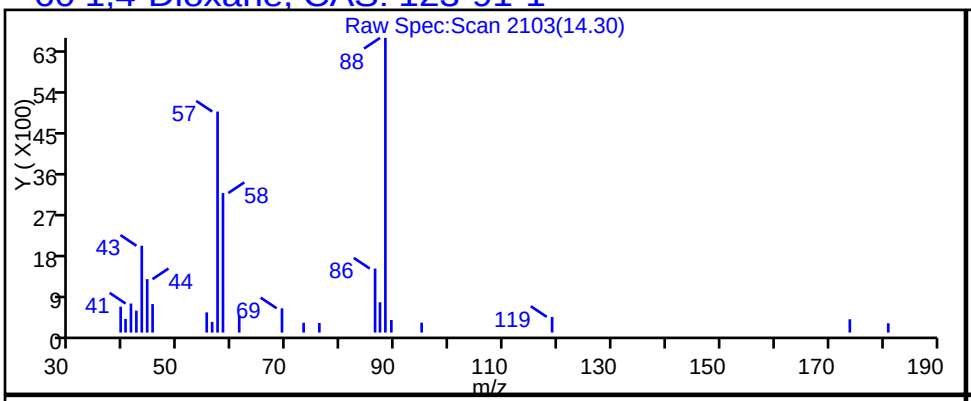
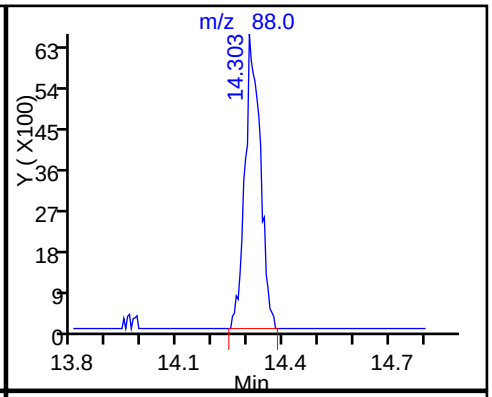
TestAmerica Burlington

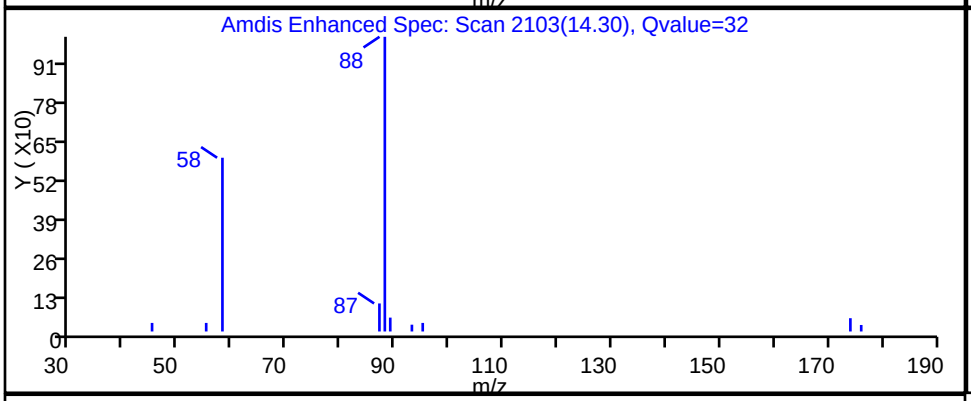
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

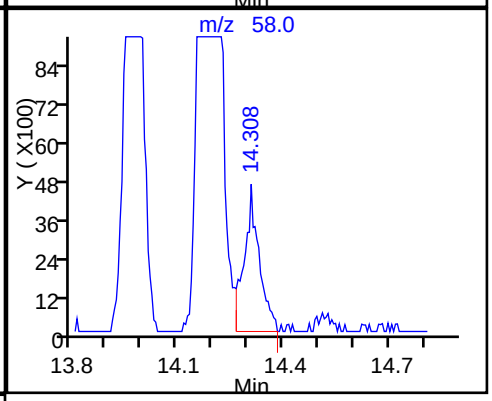
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

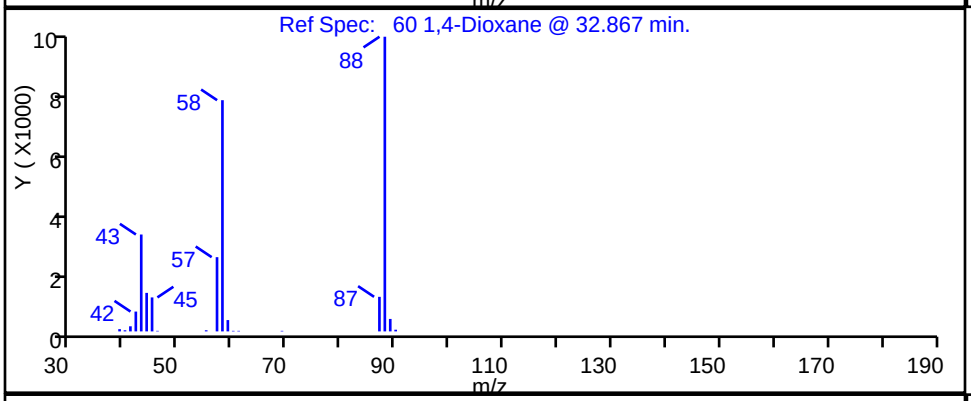
60 1,4-Dioxane, CAS: 123-91-1

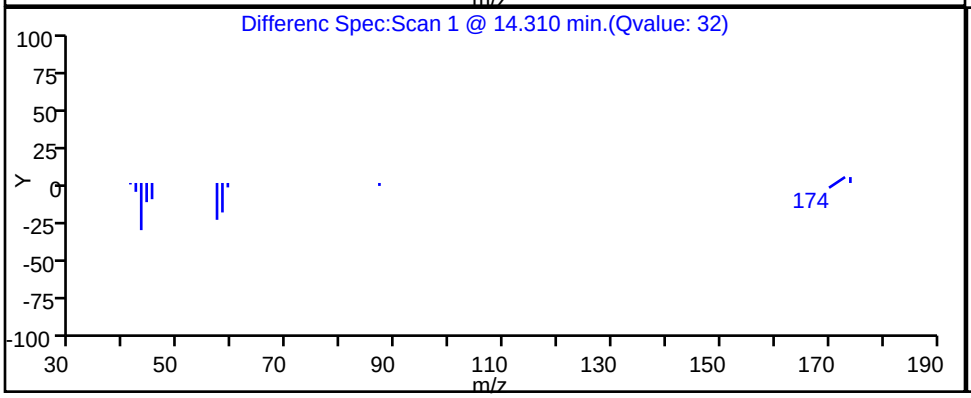


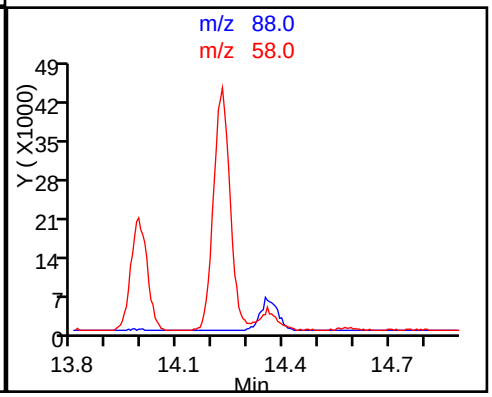












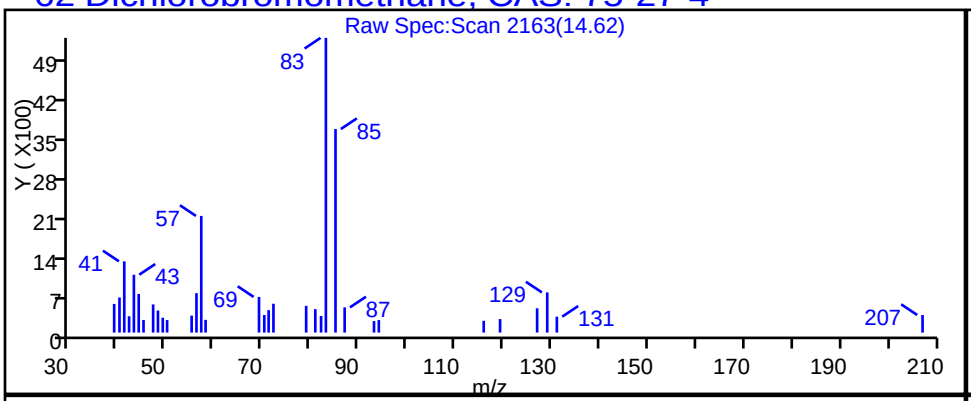
Report Date: 11-Apr-2014 11:47:50 Chrom Revision: 2.2 10-Apr-2014 15:11:30

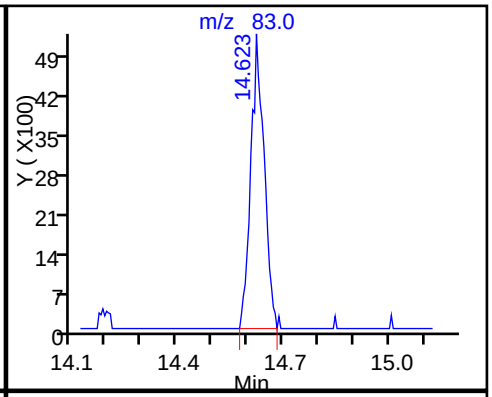
TestAmerica Burlington

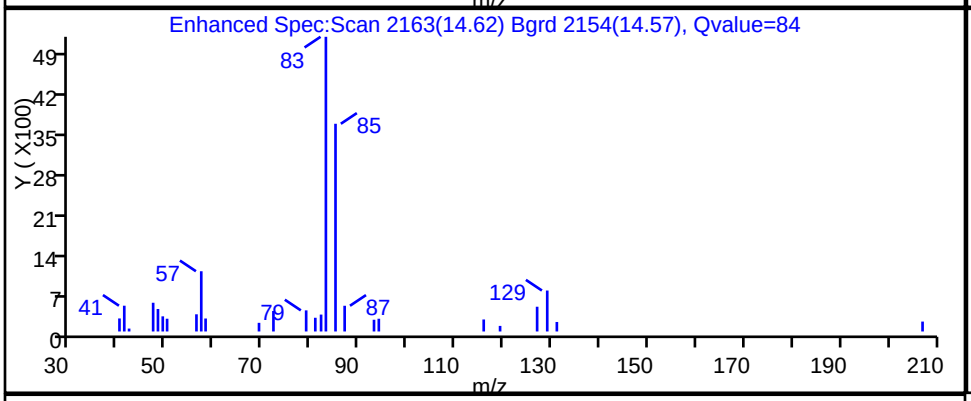
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

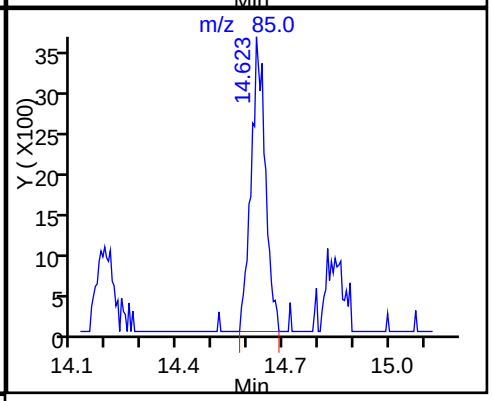
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

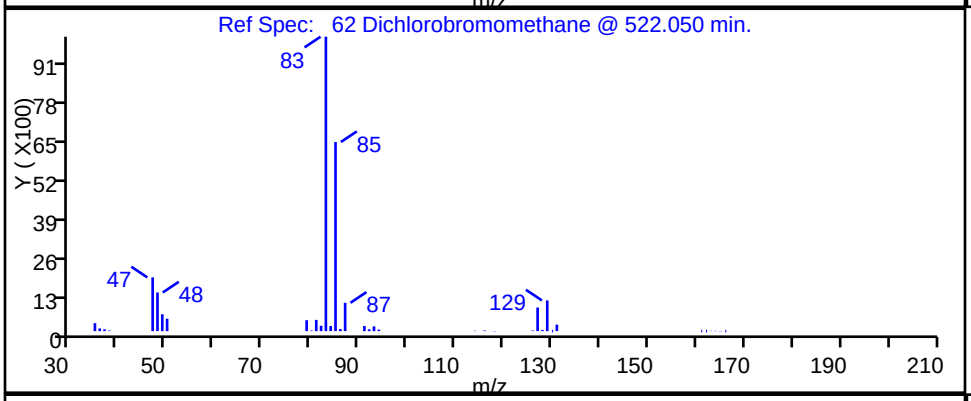
62 Dichlorobromomethane, CAS: 75-27-4

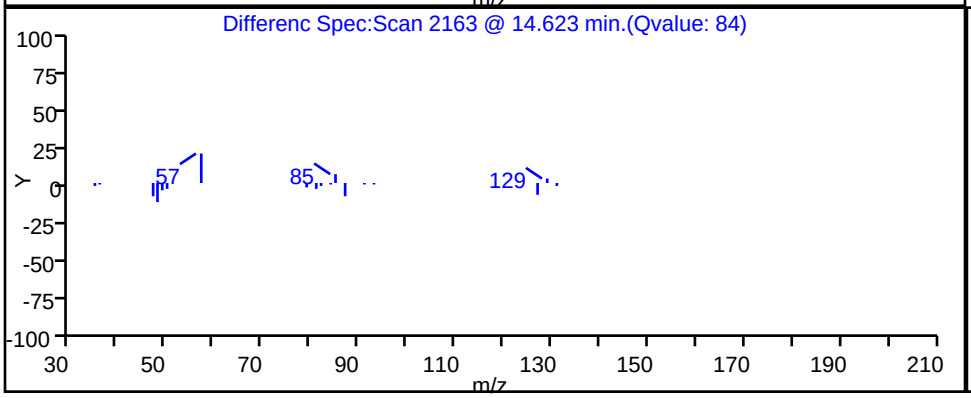


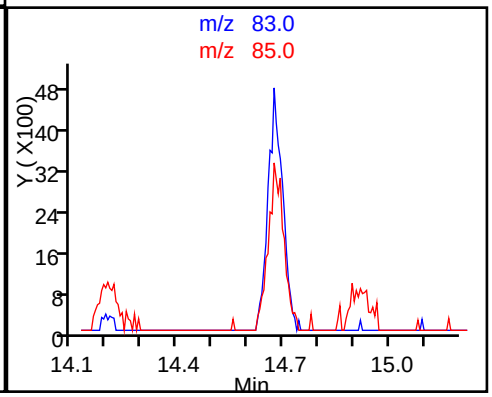












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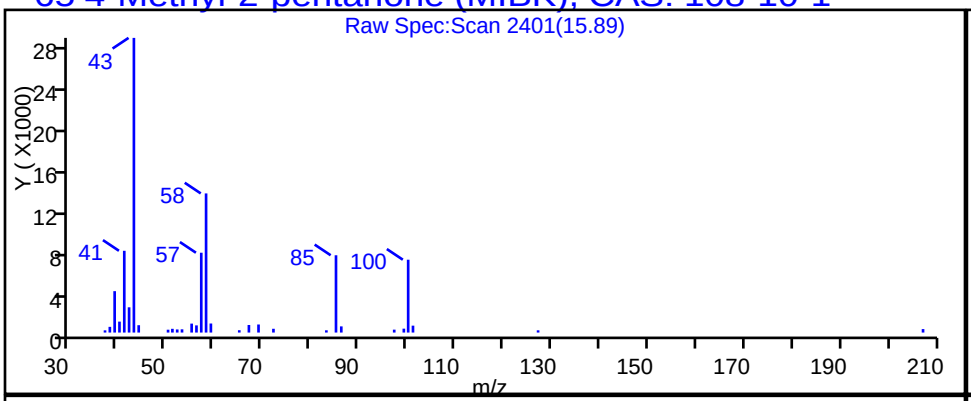
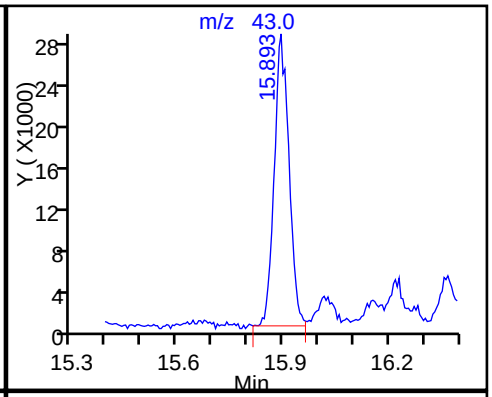
TestAmerica Burlington

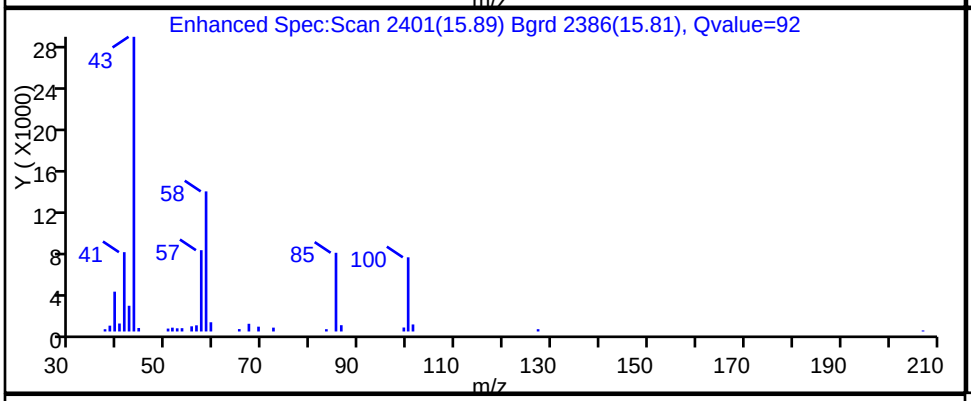
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

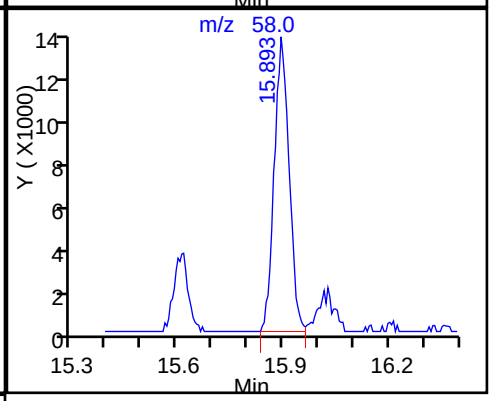
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

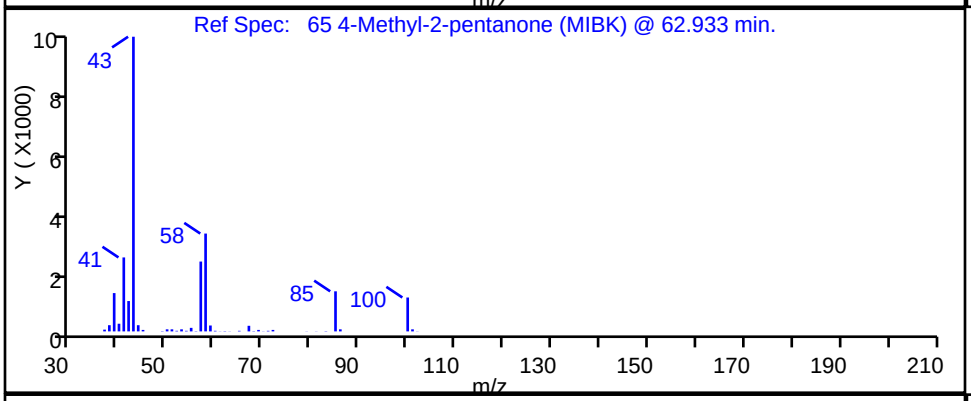
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

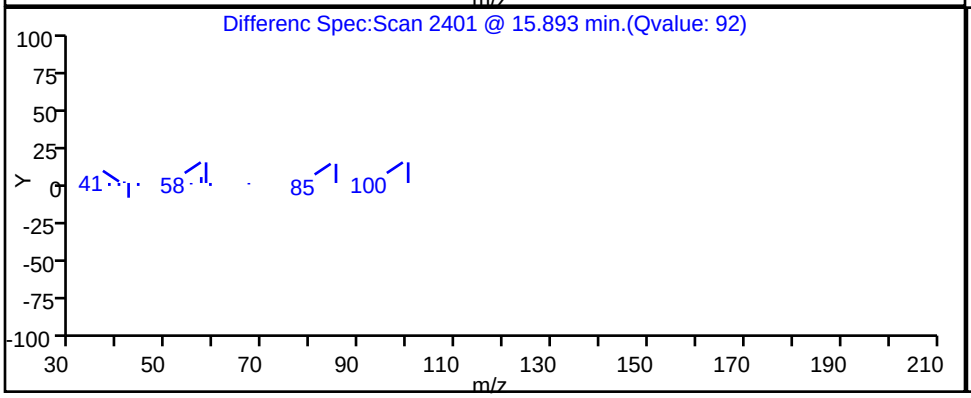


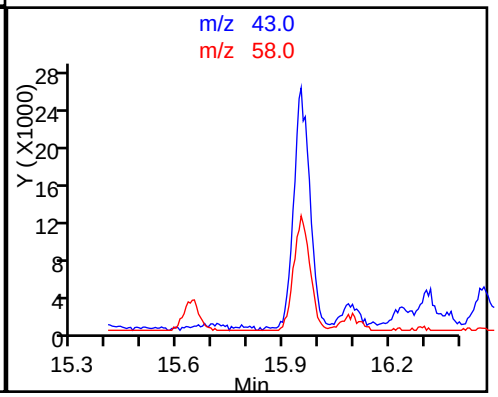












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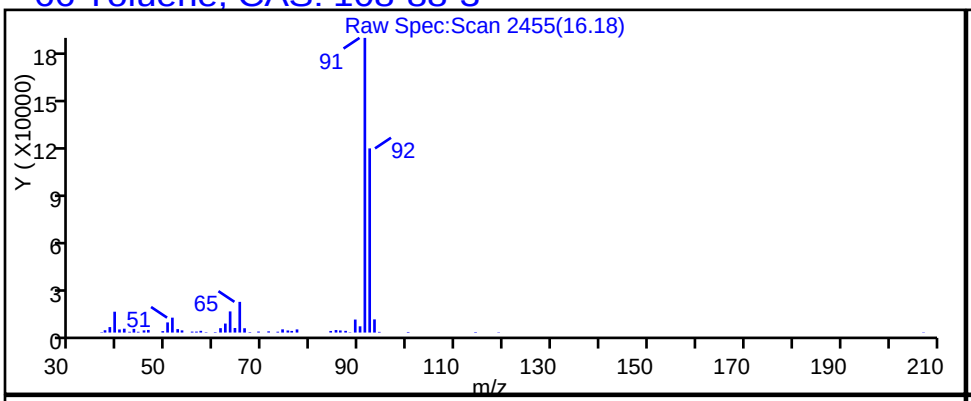
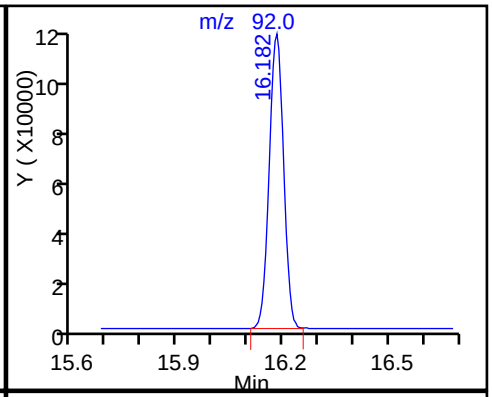
TestAmerica Burlington

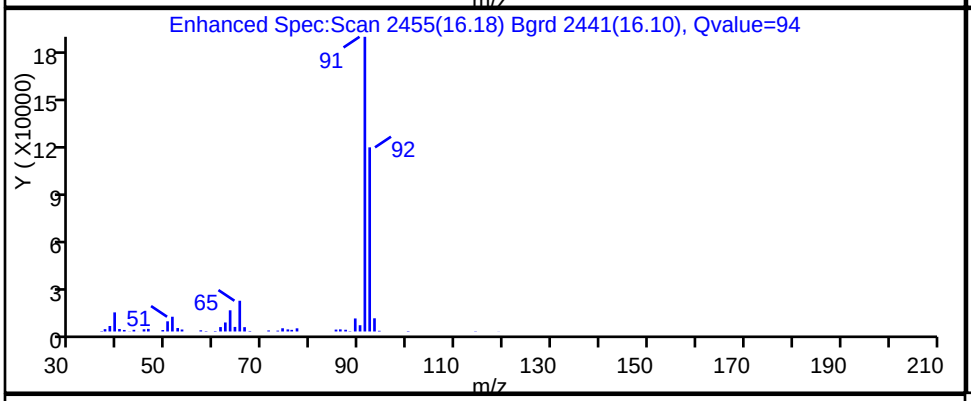
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

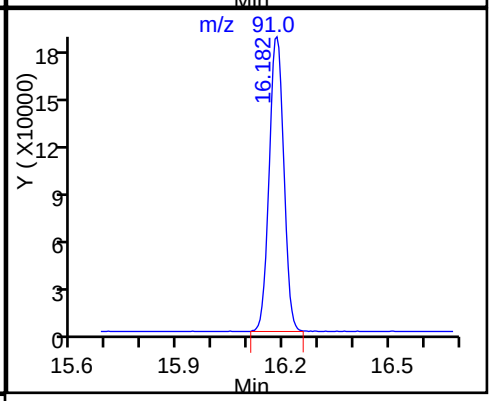
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

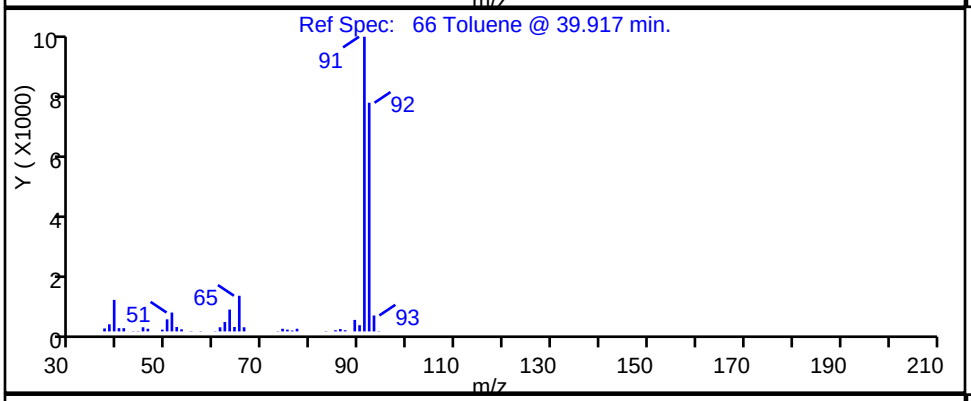
66 Toluene, CAS: 108-88-3

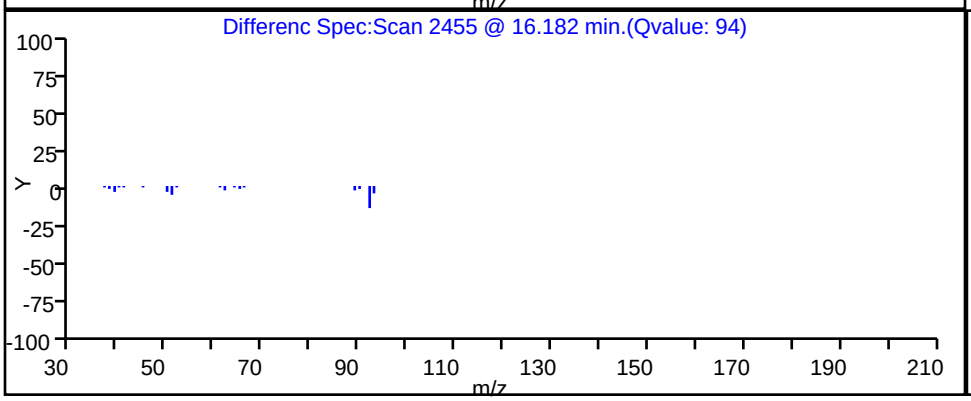


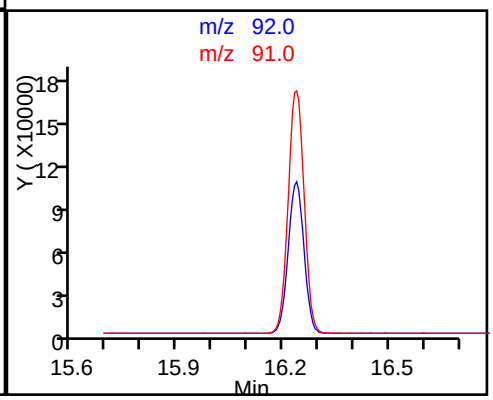












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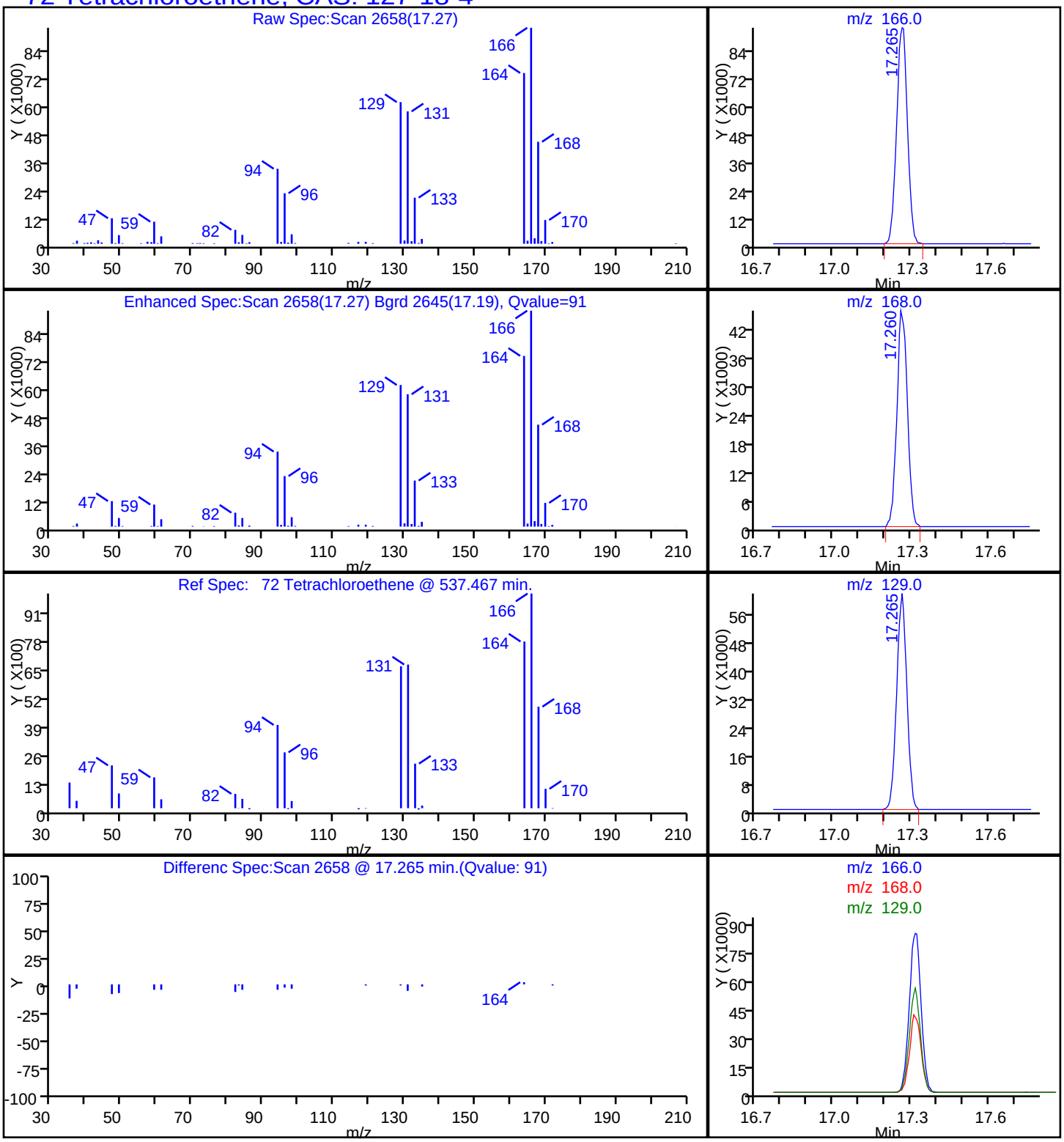
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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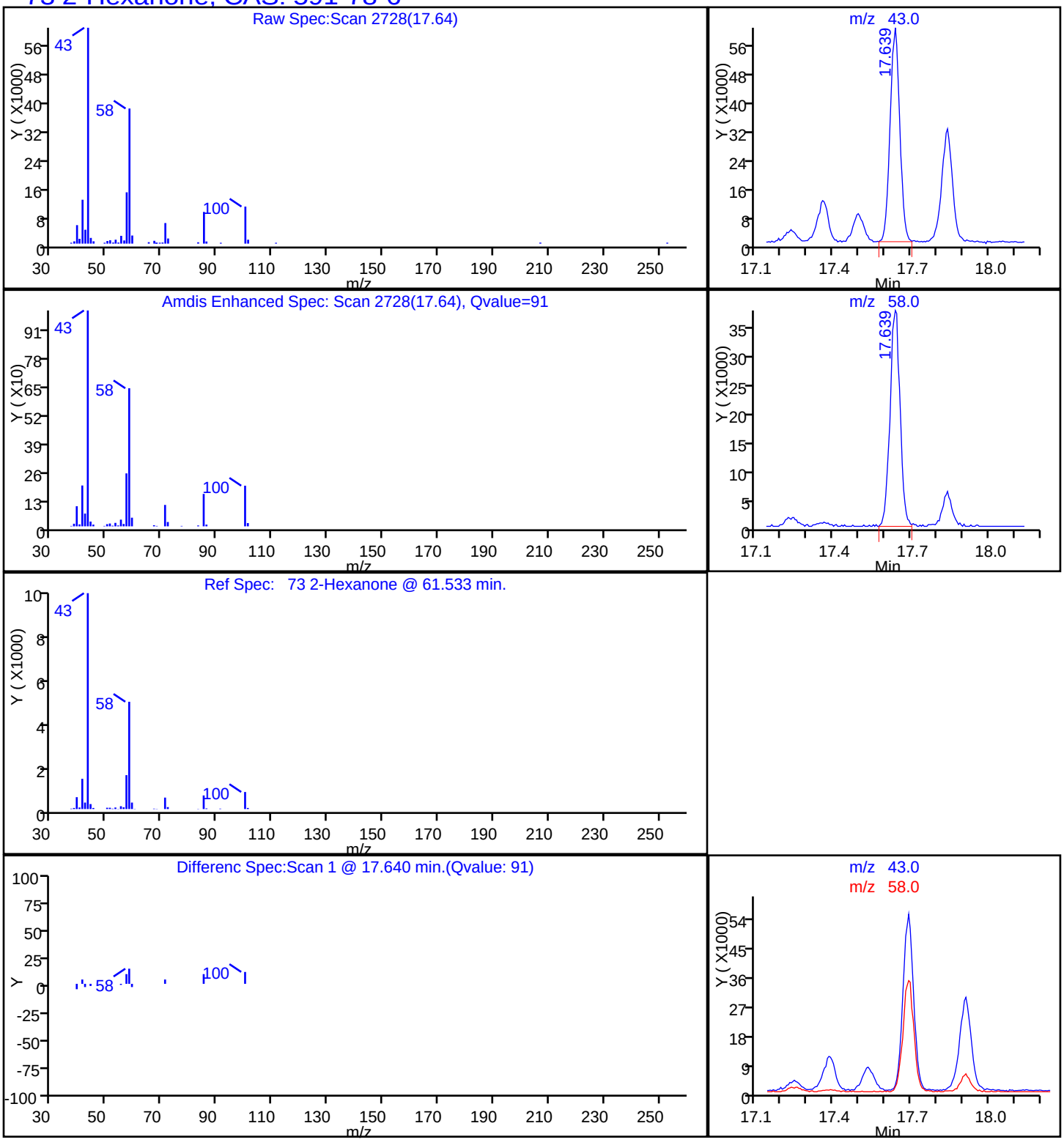
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

73 2-Hexanone, CAS: 591-78-6



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Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
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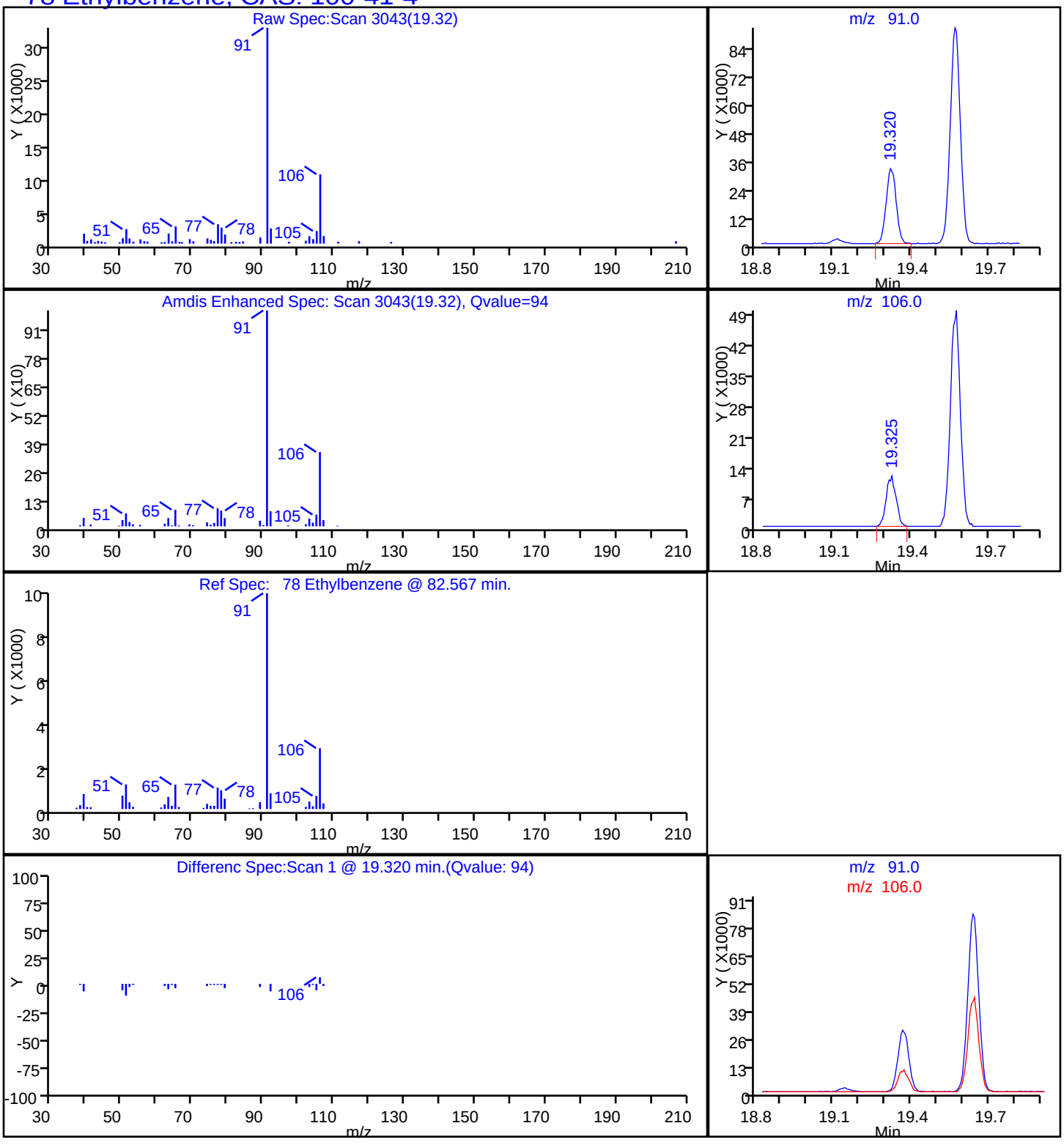
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4



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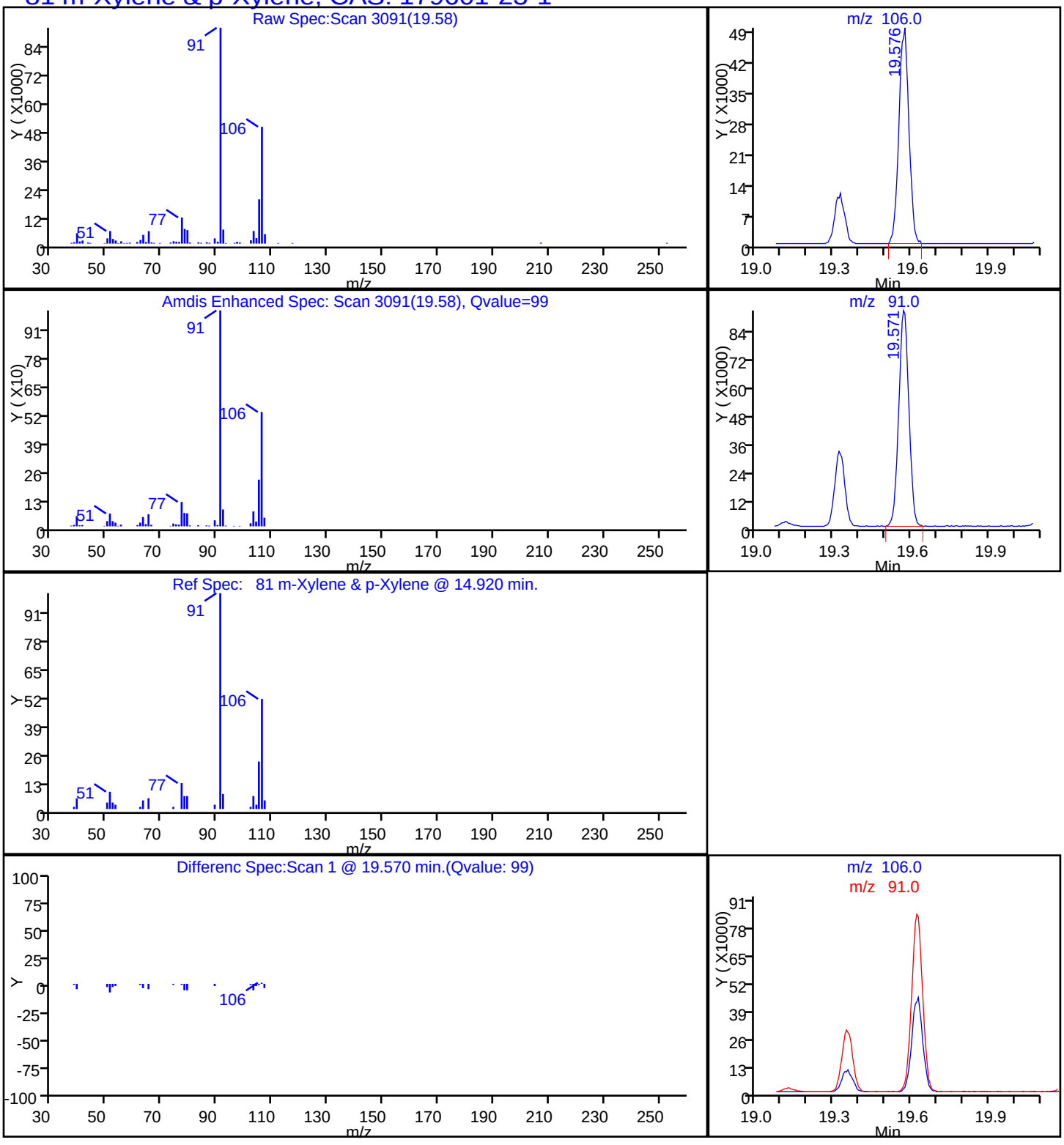
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



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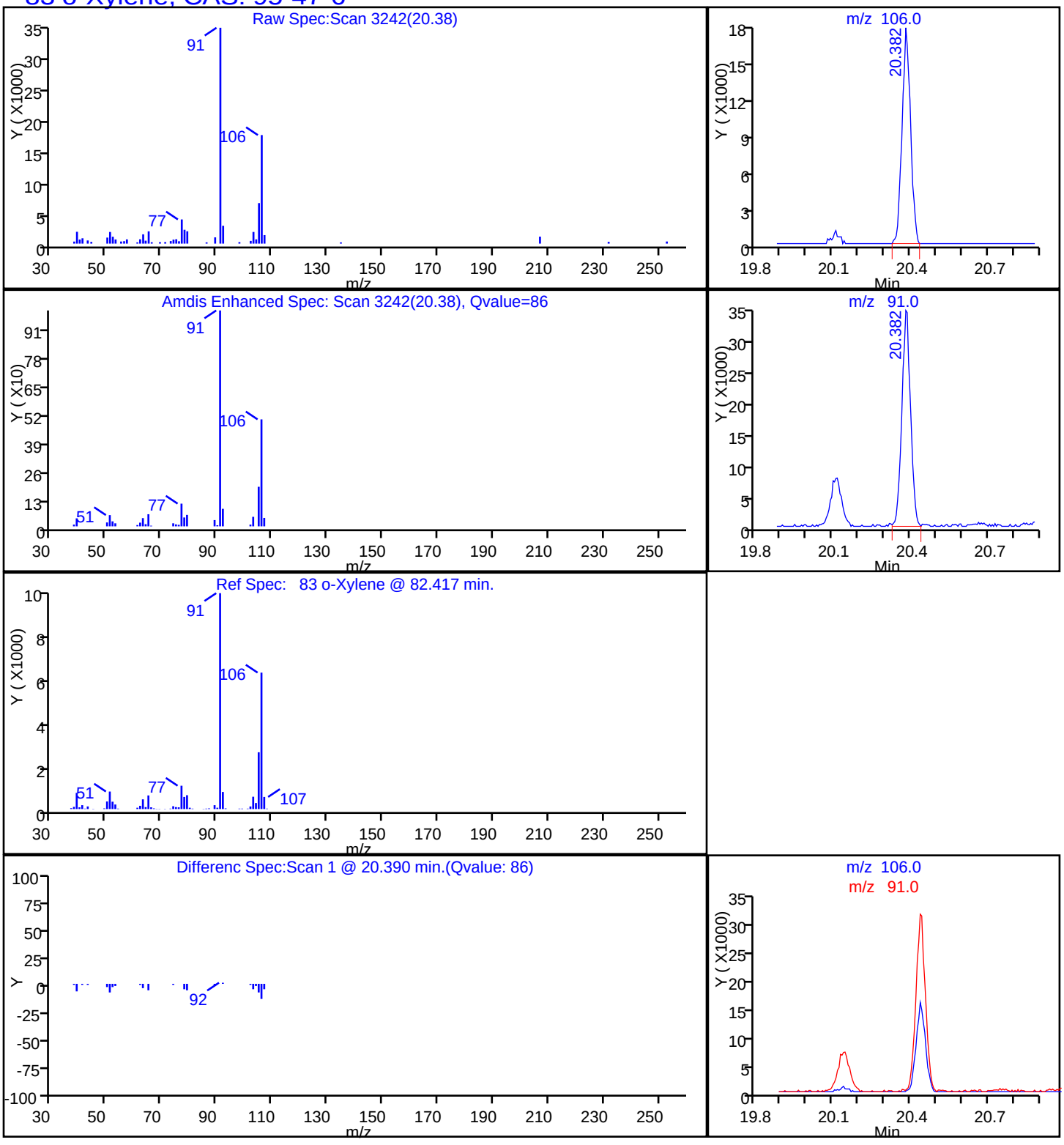
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



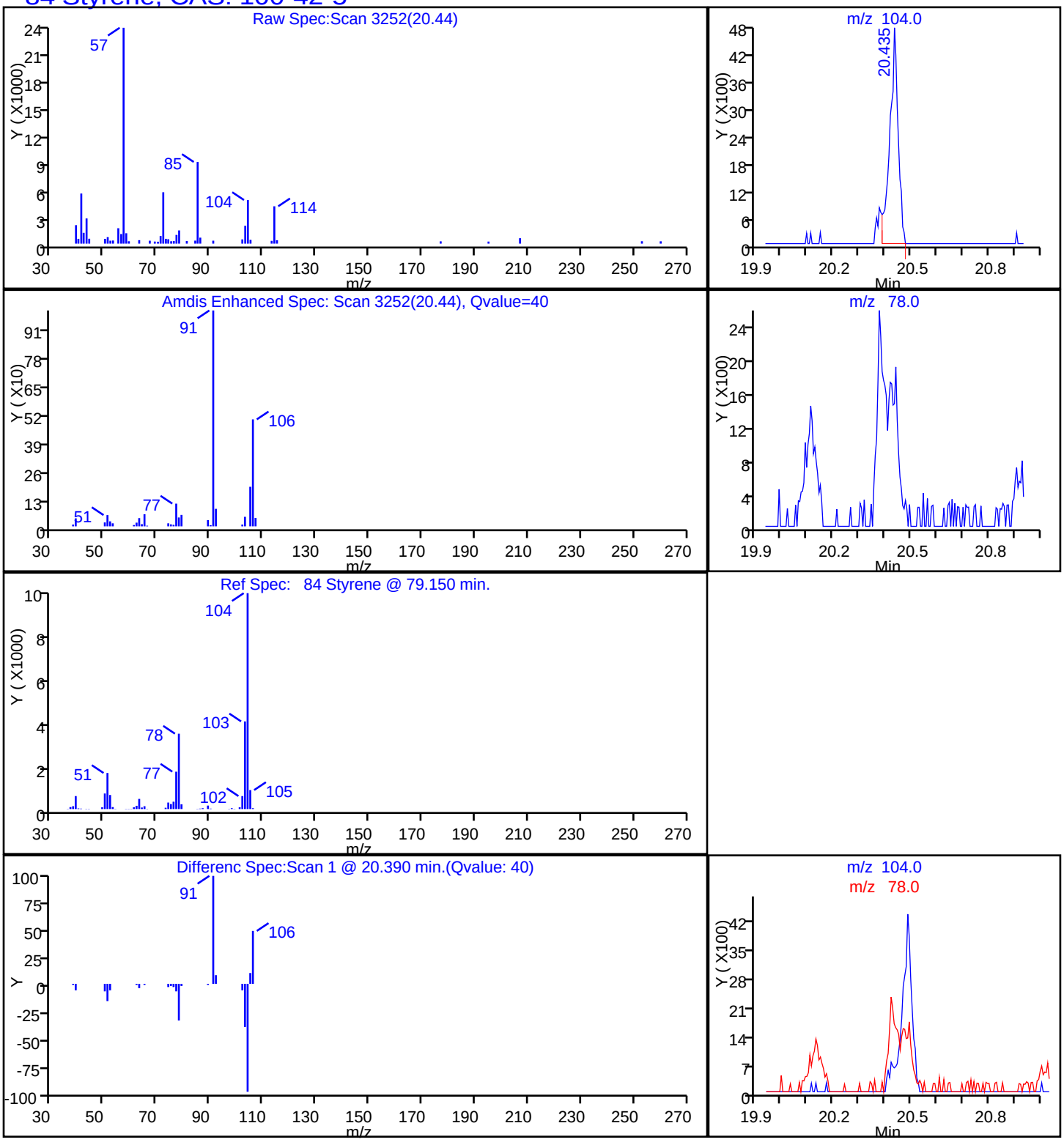
Report Date: 11-Apr-2014 11:47:50 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5



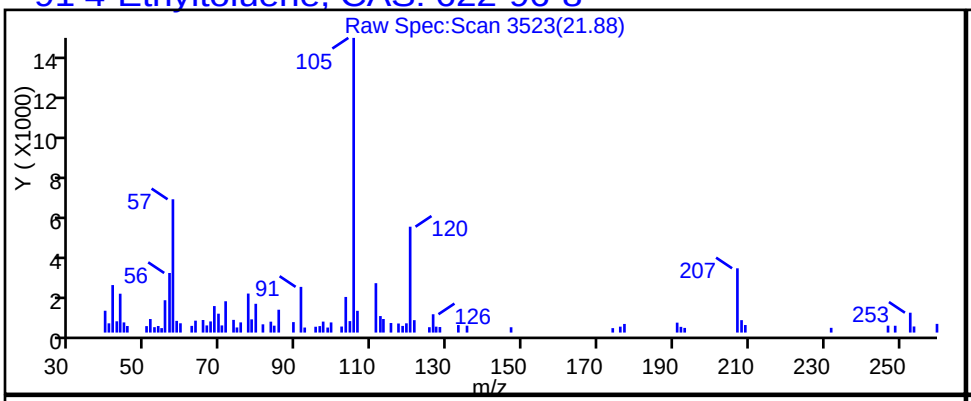
Report Date: 11-Apr-2014 11:47:50 Chrom Revision: 2.2 10-Apr-2014 15:11:30

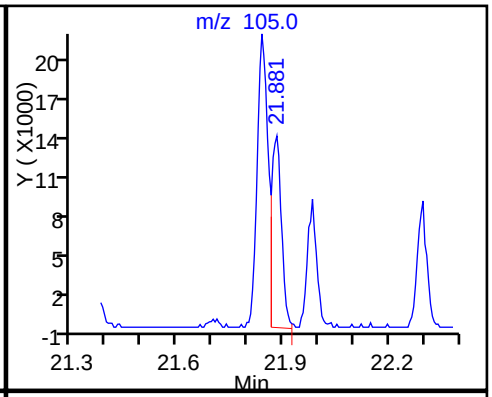
TestAmerica Burlington

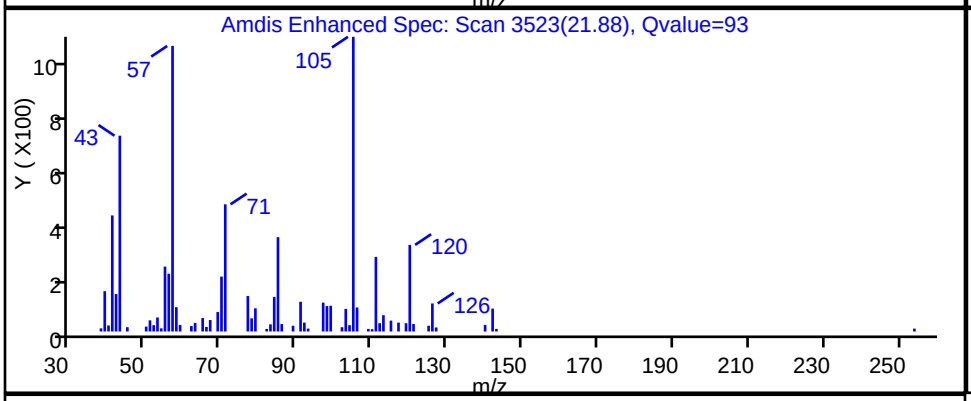
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

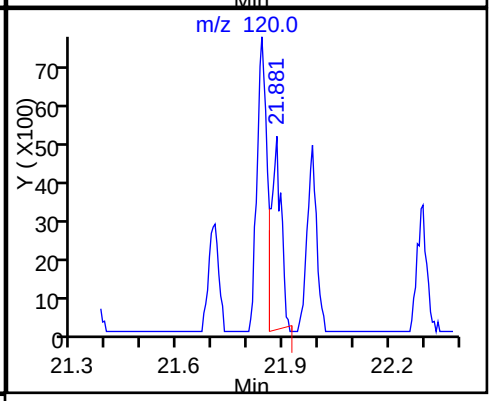
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

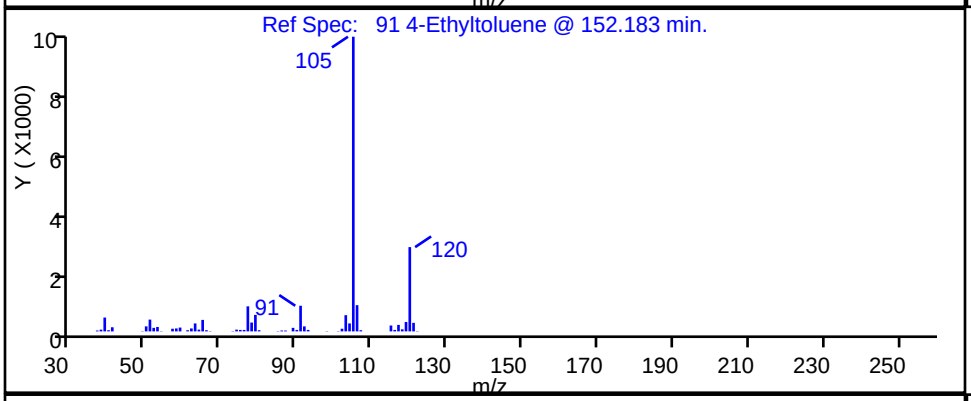
91 4-Ethyltoluene, CAS: 622-96-8

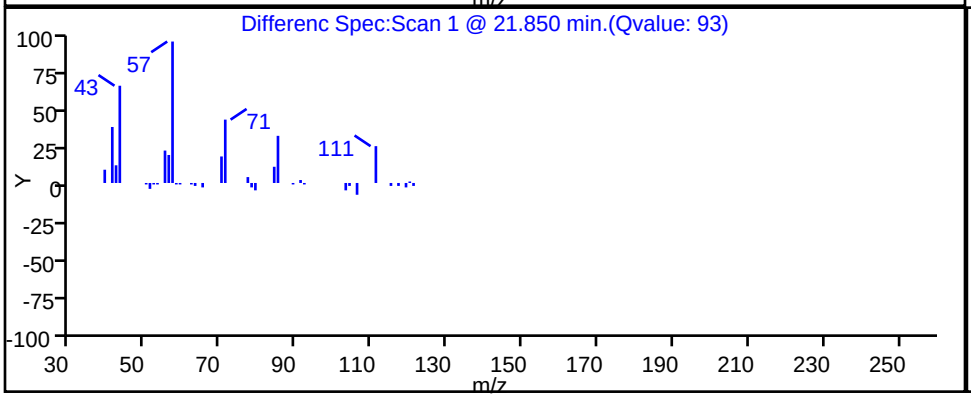


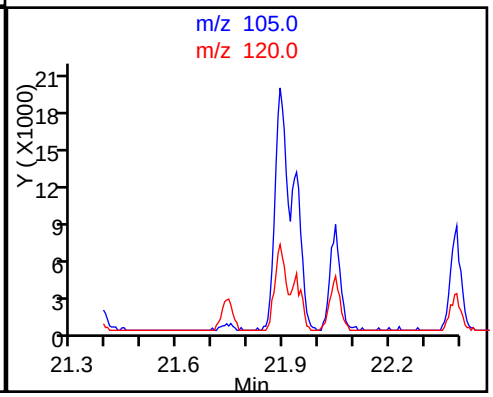










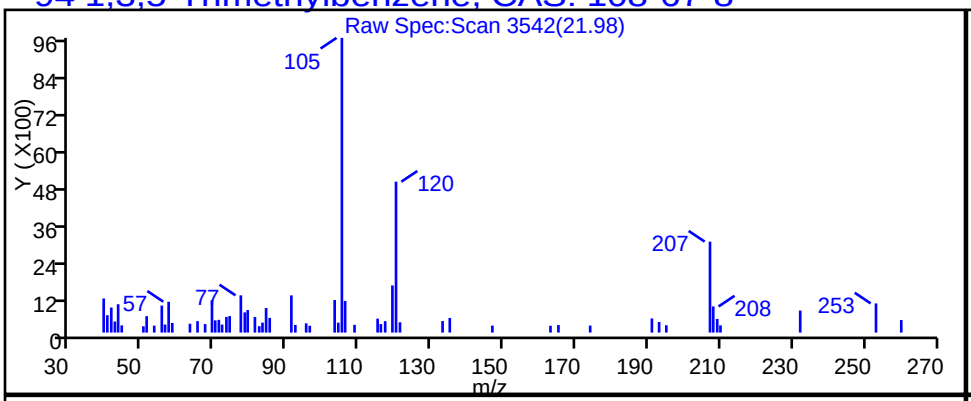


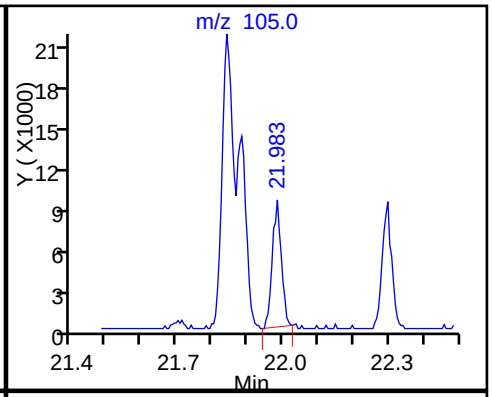
Report Date: 11-Apr-2014 11:47:50 Chrom Revision: 2.2 10-Apr-2014 15:11:30

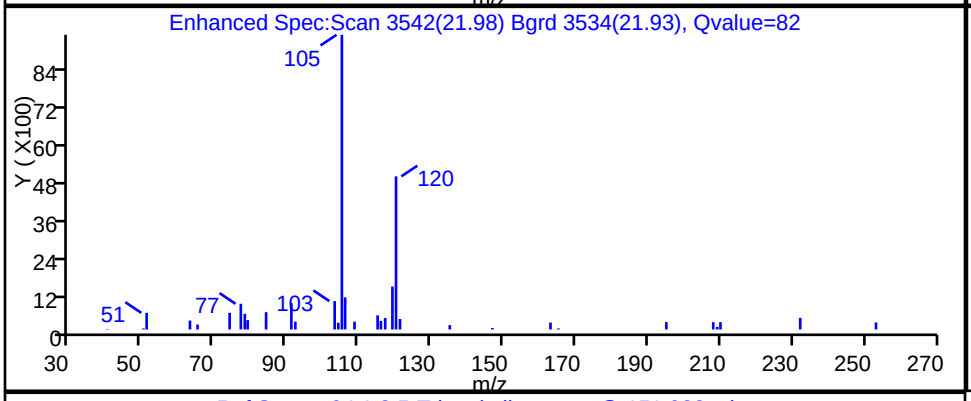
TestAmerica Burlington

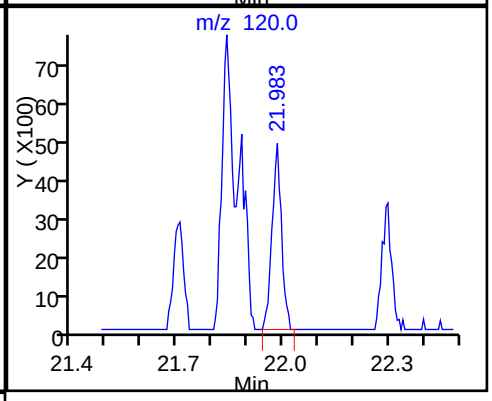
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D				
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

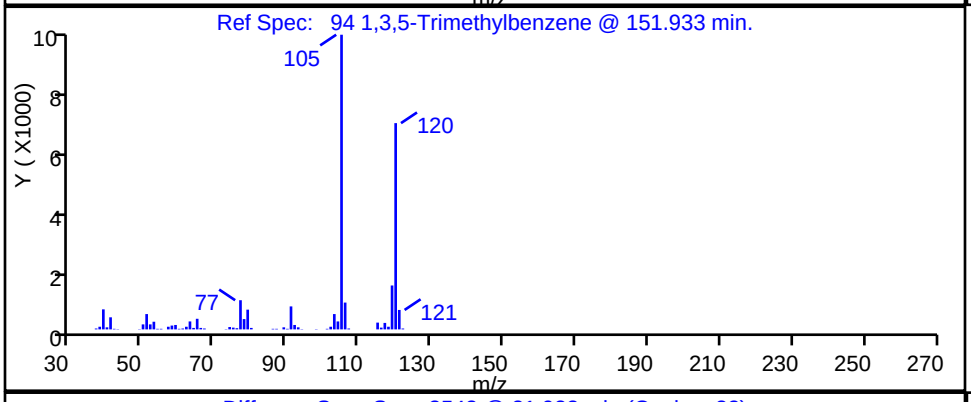
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

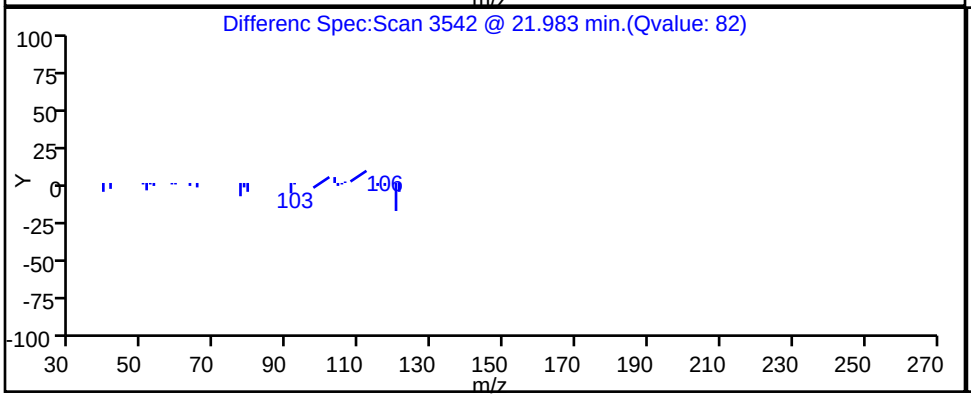


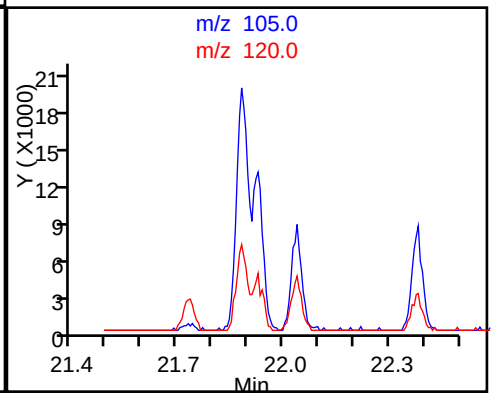












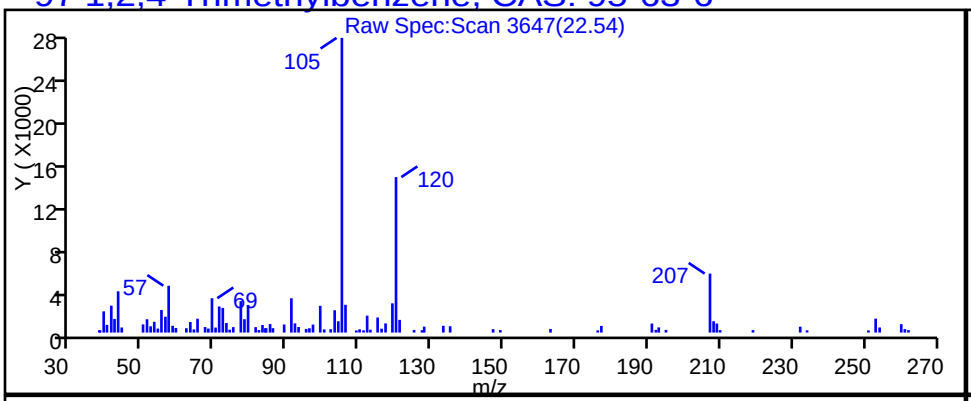
Report Date: 11-Apr-2014 11:47:50 Chrom Revision: 2.2 10-Apr-2014 15:11:30

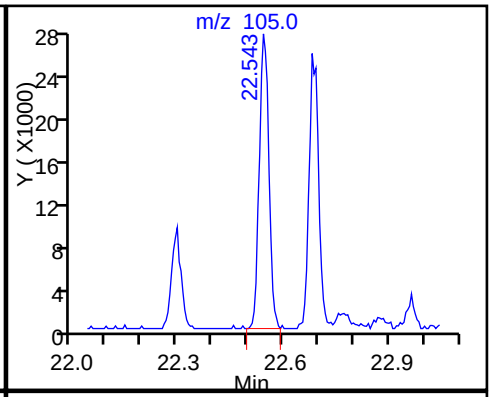
TestAmerica Burlington

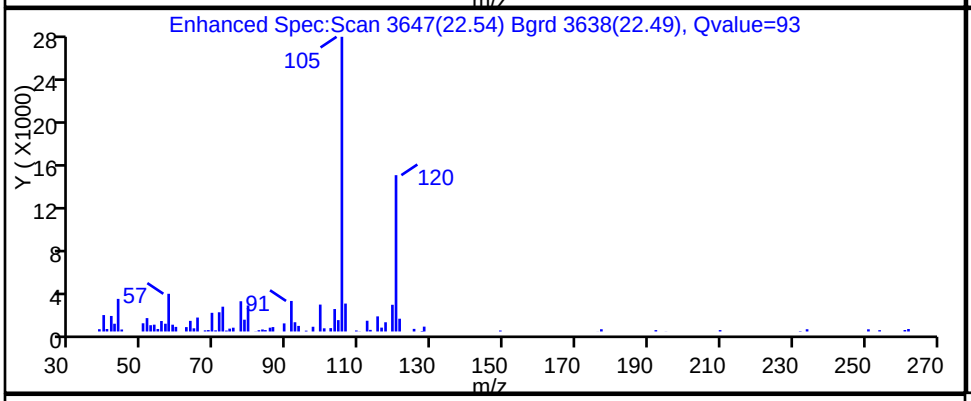
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

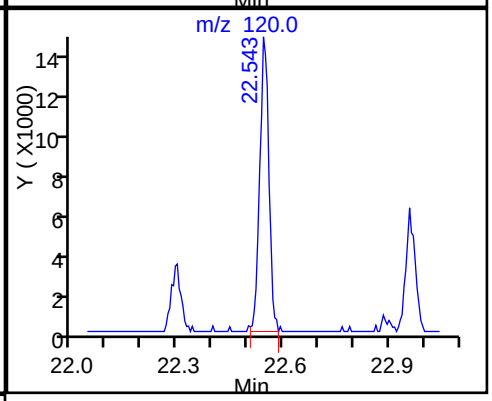
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

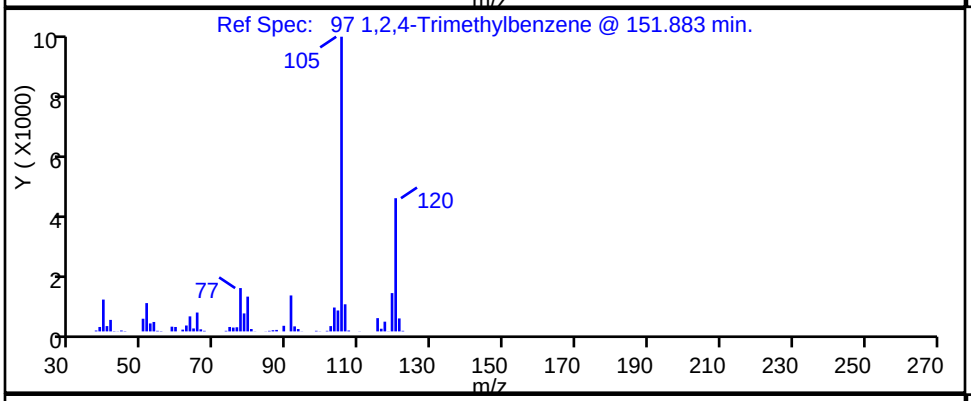
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

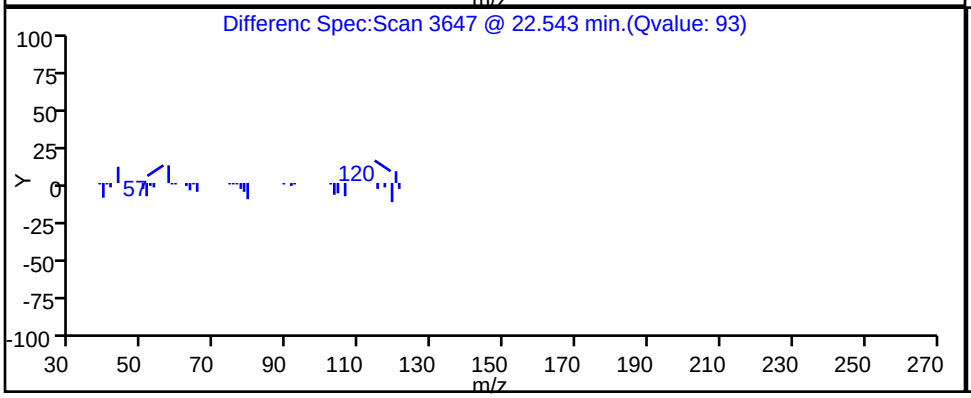


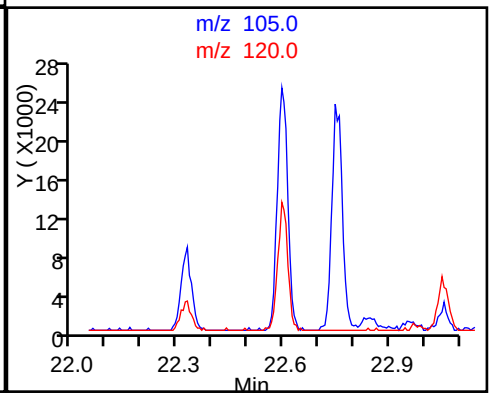












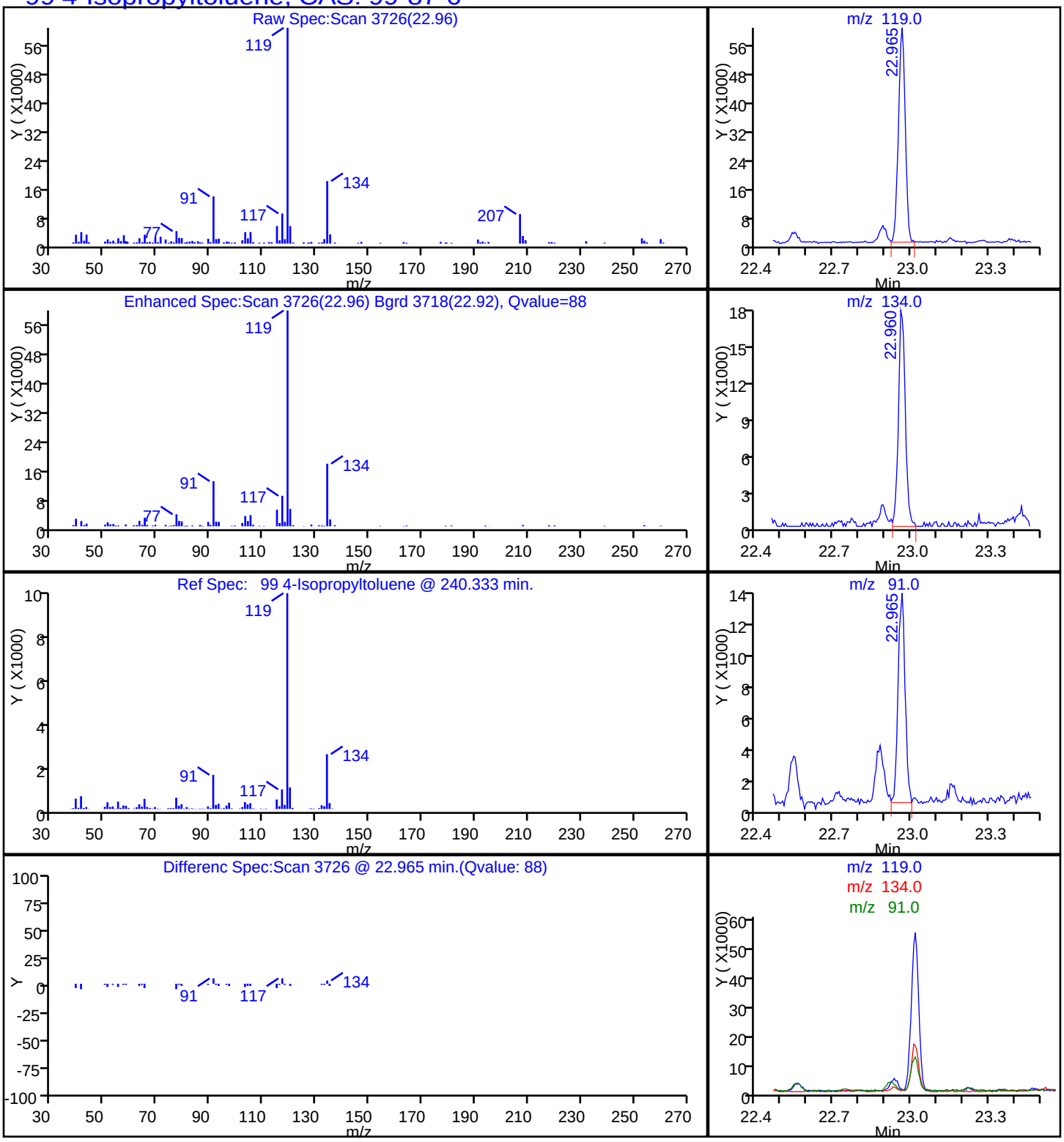
Report Date: 11-Apr-2014 11:47:50 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

99 4-Isopropyltoluene, CAS: 99-87-6



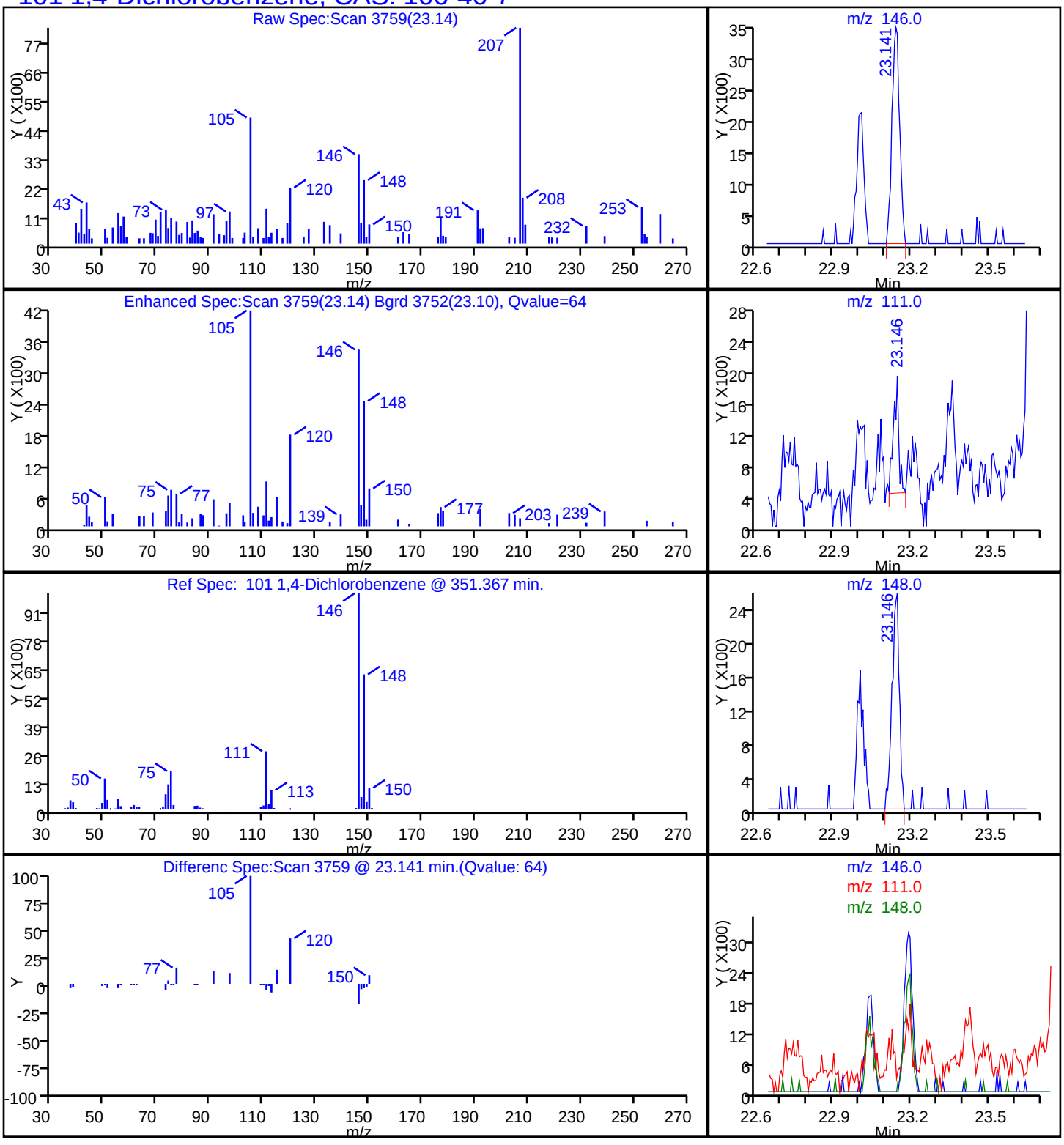
Report Date: 11-Apr-2014 11:47:50 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D

Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

101 1,4-Dichlorobenzene, CAS: 106-46-7



Manual Integration/User Assign Peak Report

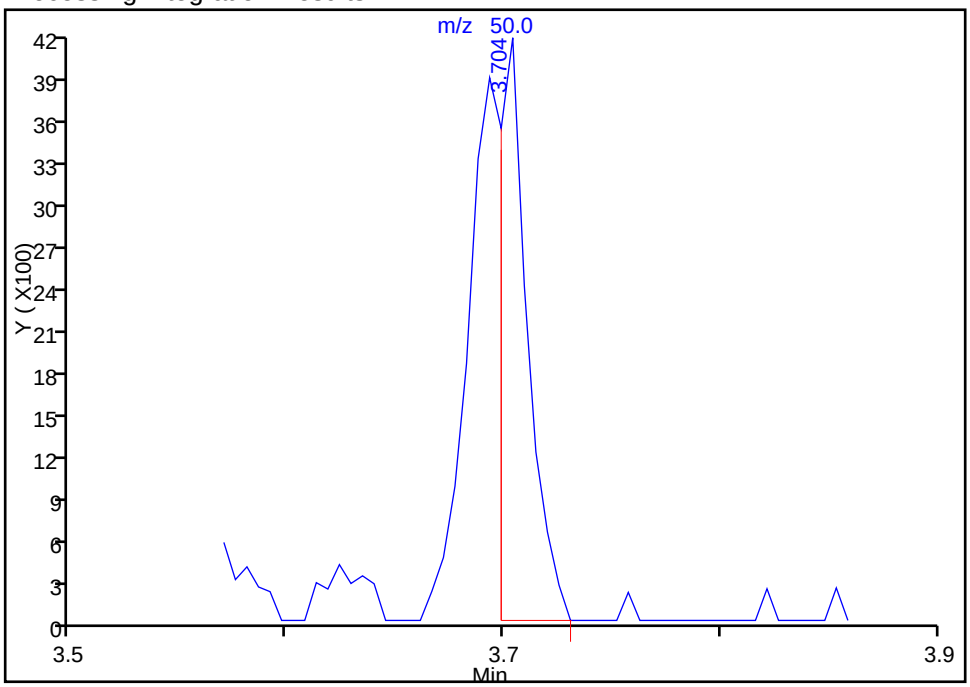
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D				
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3

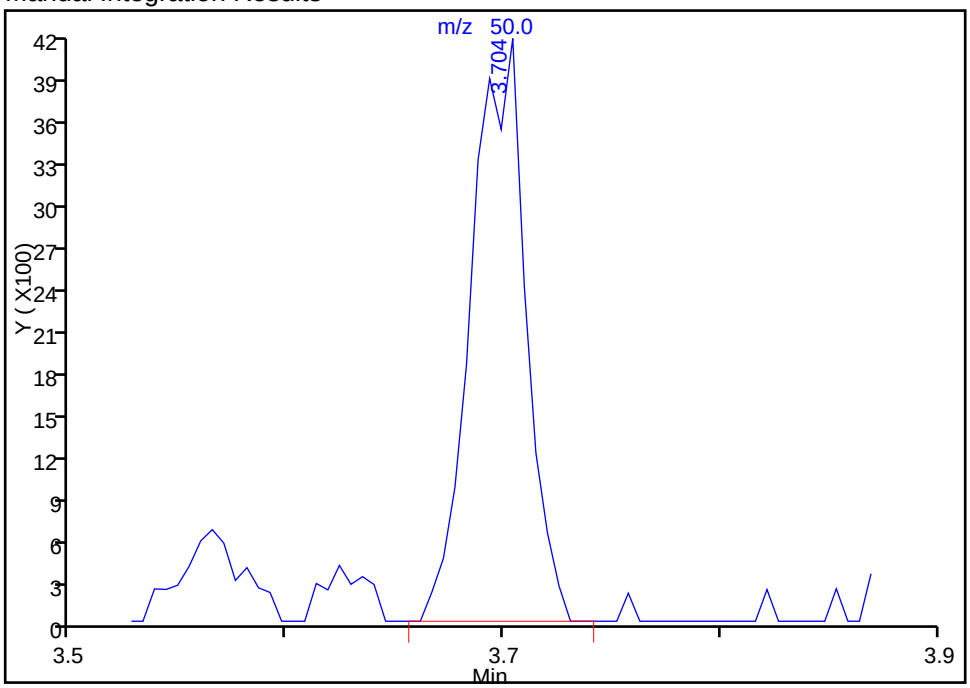
Processing Integration Results

RT: 3.70
Response: 3924
Amount: 0.179426



Manual Integration Results

RT: 3.70
Response: 7356
Amount: 0.336355



Reviewer: desjardinsb, 11-Apr-2014 11:47:49
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

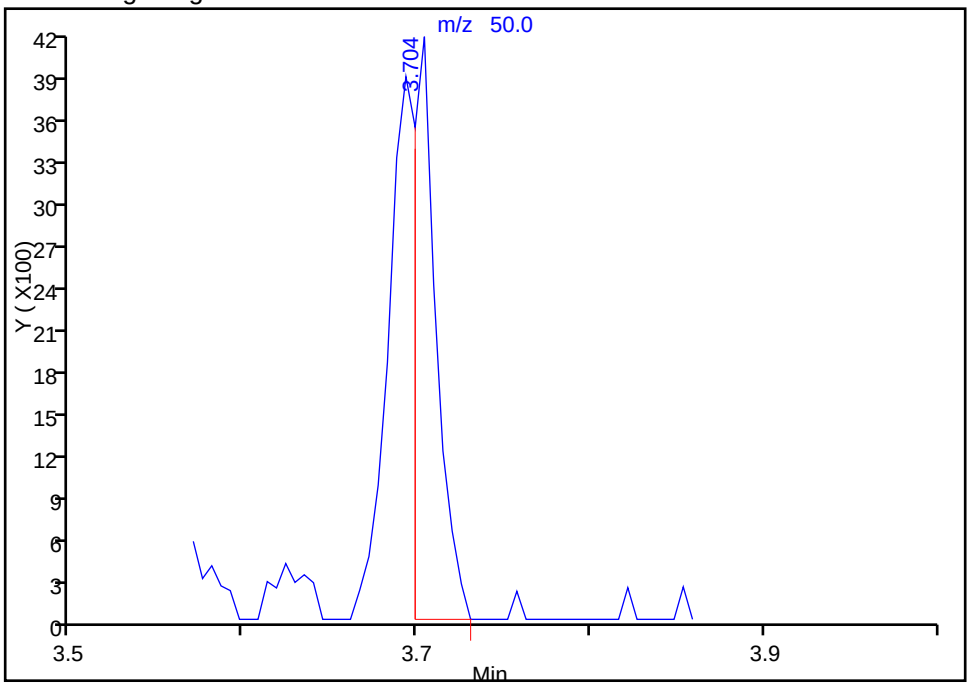
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D				
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3

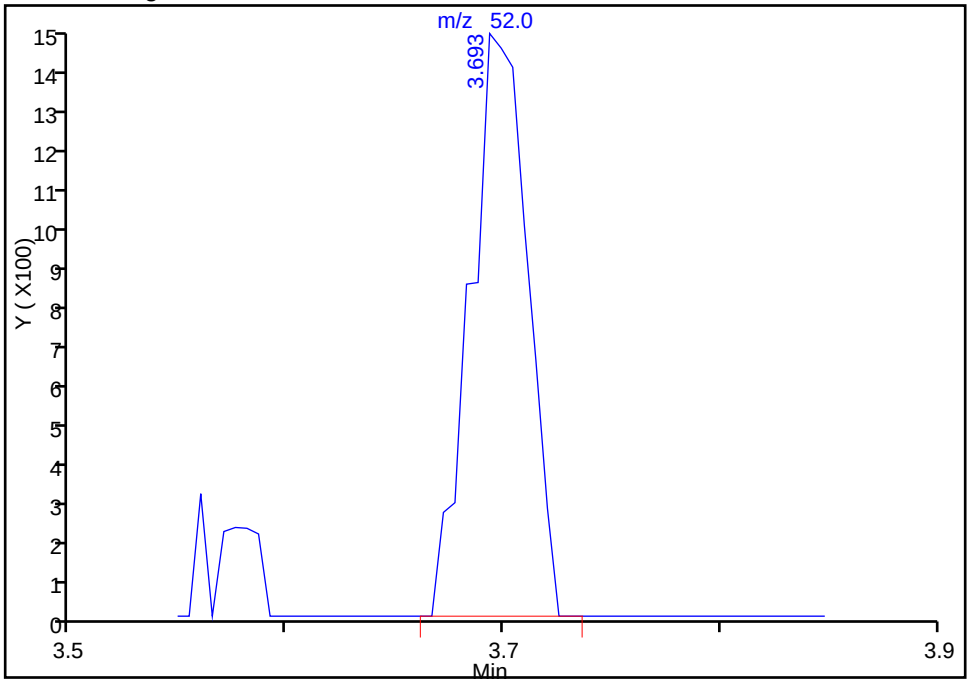
Processing Integration Results

RT: 3.70
Response: 0
Amount: 0.179426



Manual Integration Results

RT: 3.69
Response: 2626
Amount: 0.336355



Reviewer: desjardinsb, 11-Apr-2014 11:47:49
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

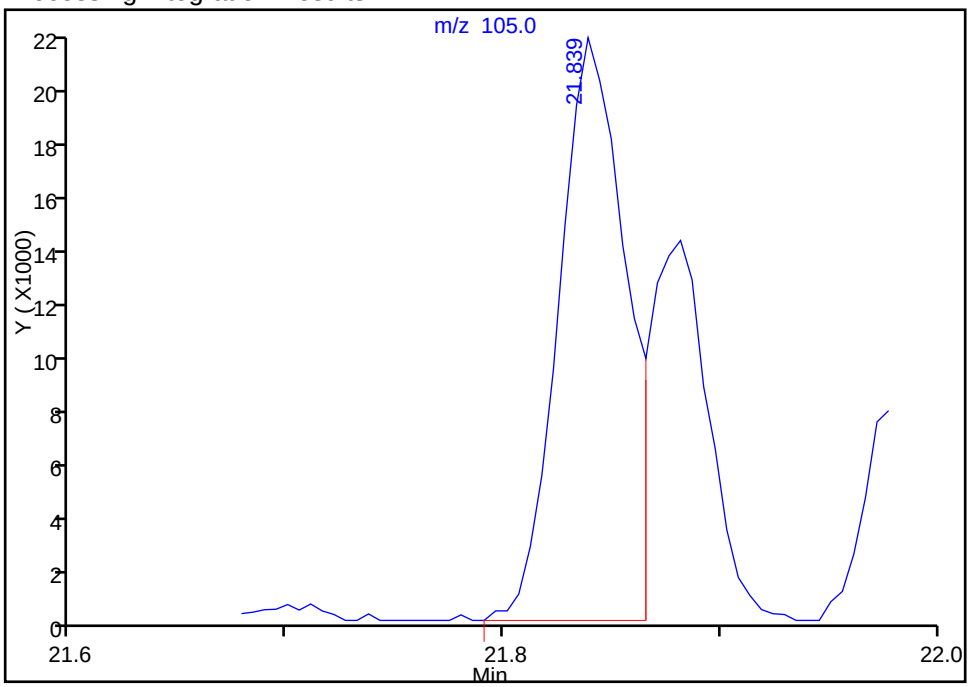
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D				
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 4-Ethyltoluene, CAS: 622-96-8

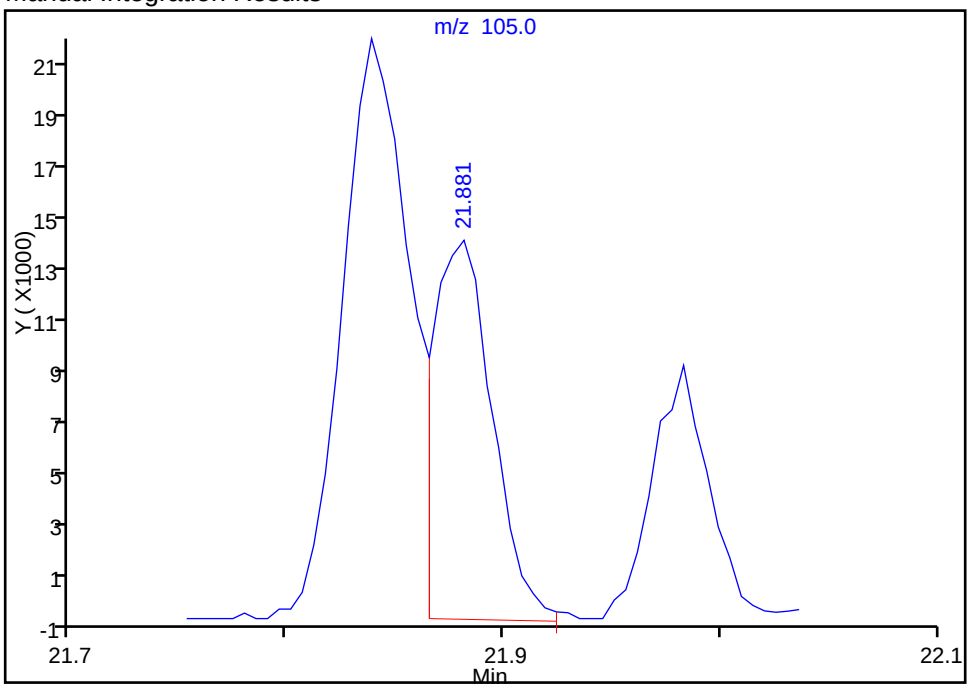
Processing Integration Results

RT: 21.84
Response: 47982
Amount: 0.103832



Manual Integration Results

RT: 21.88
Response: 27586
Amount: 0.059695



Reviewer: desjardinsb, 11-Apr-2014 11:47:49
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

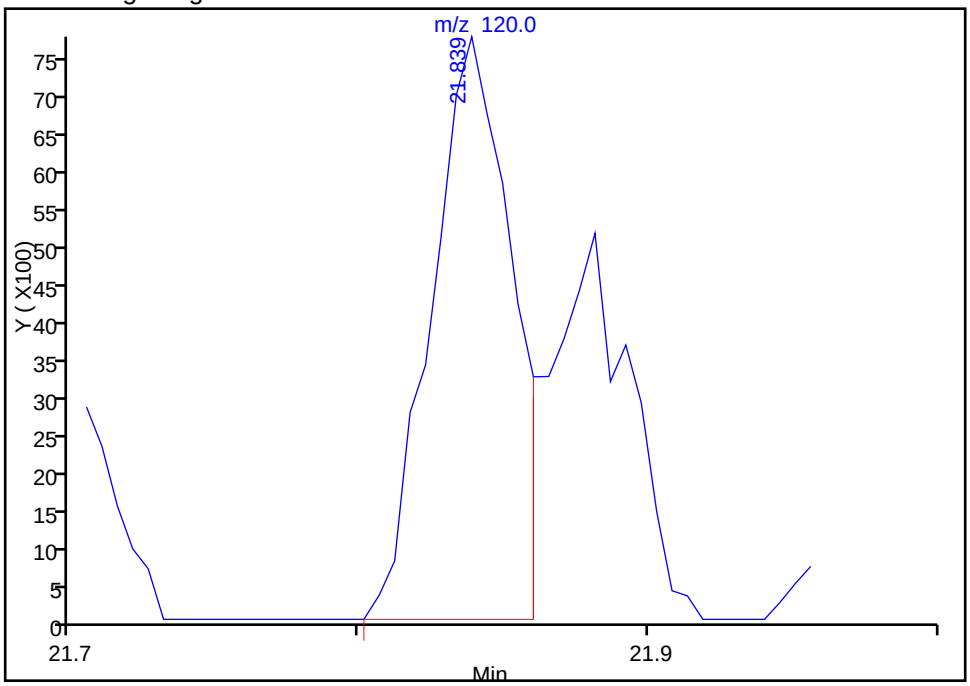
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D				
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 4-Ethyltoluene, CAS: 622-96-8

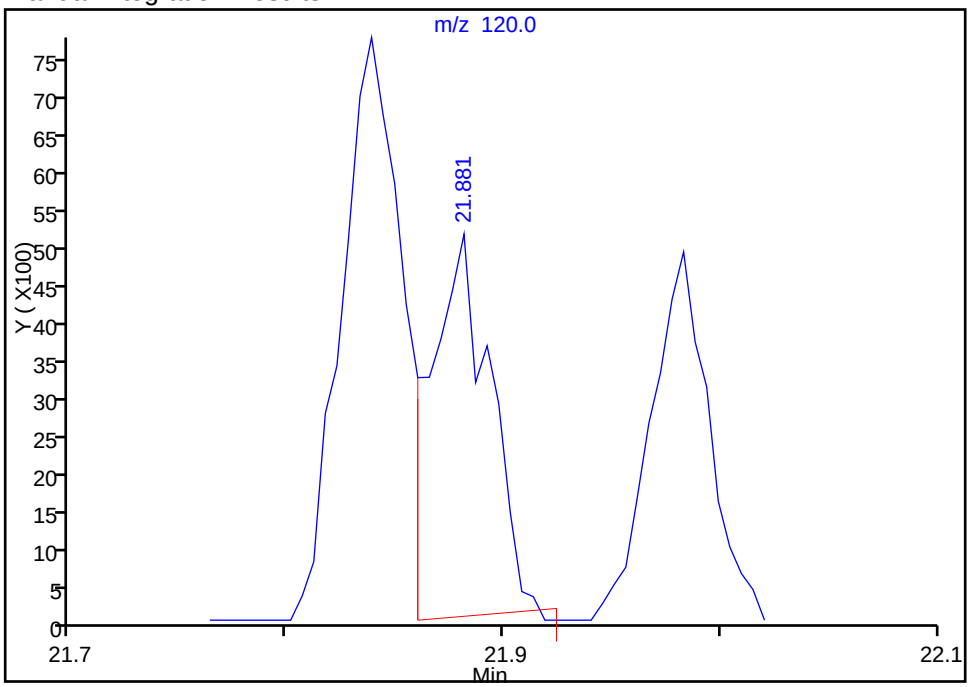
Processing Integration Results

RT: 21.84
Response: 15094
Amount: 0.103832



Manual Integration Results

RT: 21.88
Response: 9810
Amount: 0.059695



Reviewer: desjardinsb, 11-Apr-2014 11:47:49
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D				
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Integration Results

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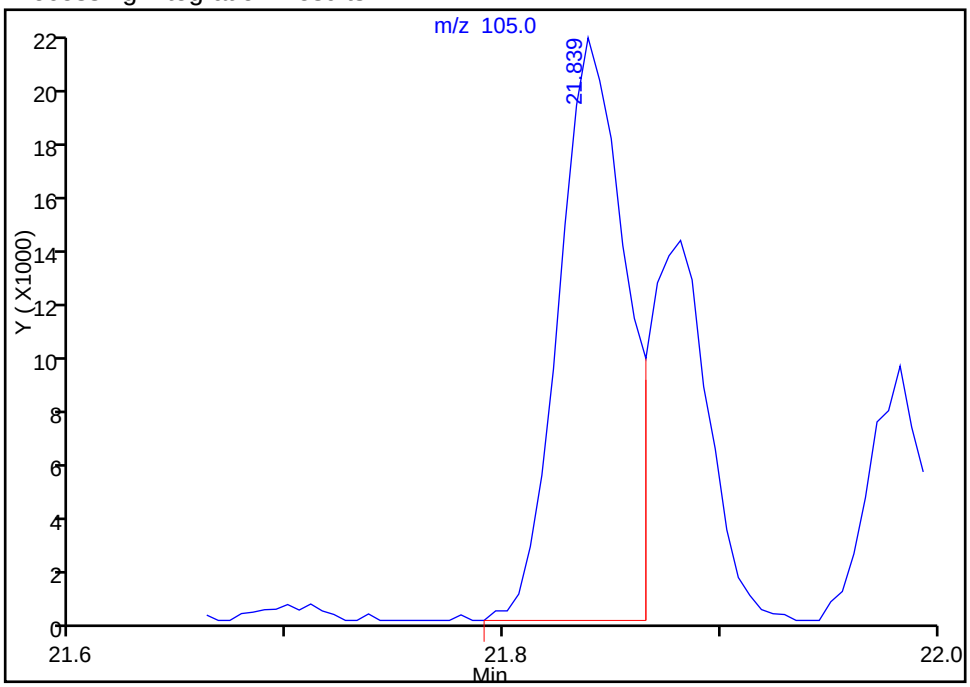
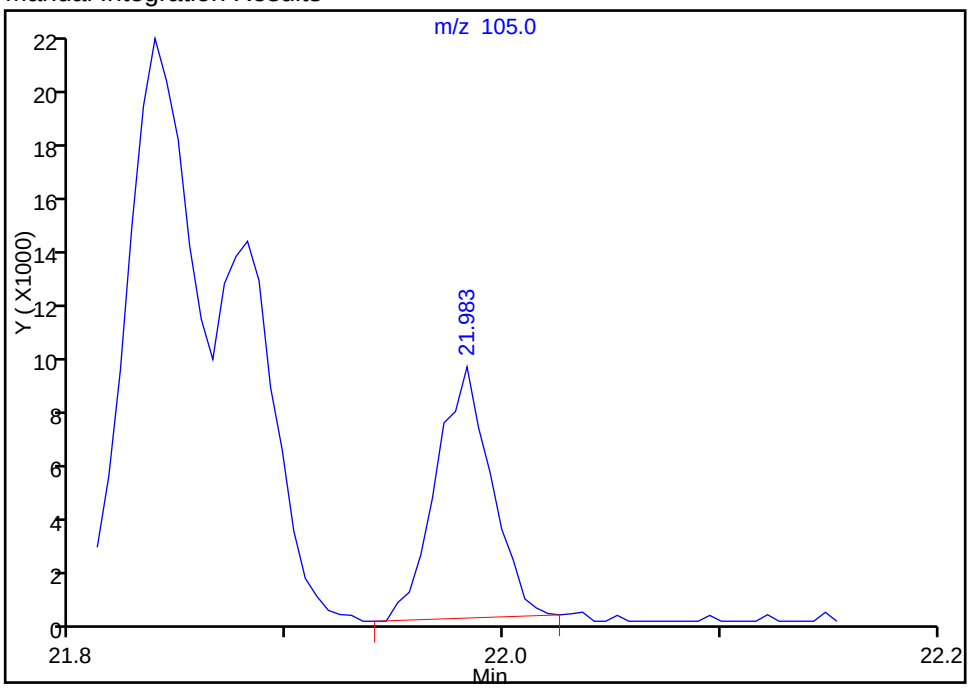
Response: 47982
Amount: 0.117276



Manual Integration Results

RT: 21.98
Response: 16804
Amount: 0.041072



Reviewer: desjardinsb, 11-Apr-2014 11:47:49
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

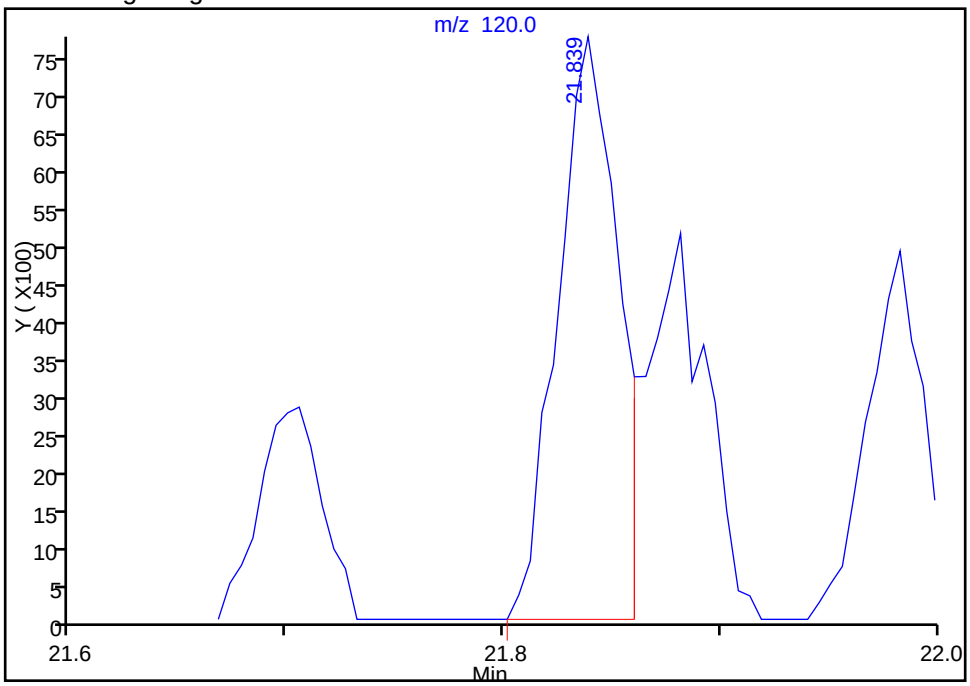
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_21.D				
Injection Date:	11-Apr-2014 06:47:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 1,3,5-Trimethylbenzene, CAS: 108-67-8

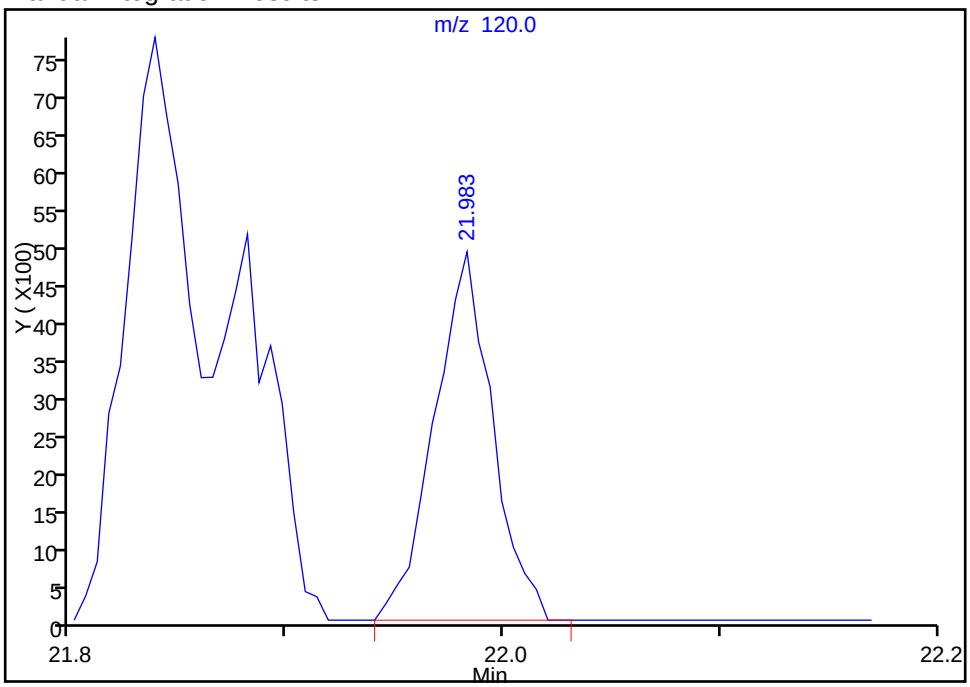
Processing Integration Results

RT: 21.84
Response: 15094
Amount: 0.117276



Manual Integration Results

RT: 21.98
Response: 9162
Amount: 0.041072



Reviewer: desjardinsb, 11-Apr-2014 11:47:49
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-8 DL Lab Sample ID: 200-21727-11 DL

Matrix: Air Lab File ID: 6977_22.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:25

Sample wt/vol: 50(mL) Date Analyzed: 04/11/2014 07:39

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	*Freon 12*	*120.91*	*0.92*	*J D*	*2.0*	*0.12*
75-45-6	*Freon 22*	*86.47*	*1.0*	*J D*	*2.0*	*0.19*
76-14-2	*Freon-114*	*170.92*	*0.80*	*U*	*0.80*	*0.14*
74-87-3	*Chloromethane*	*50.49*	*2.0*	*U*	*2.0*	*0.54*
106-97-8	*n-Butane*	*58.12*	*5.2*	*D*	*2.0*	*1.1*
75-01-4	*Vinyl chloride*	*62.50*	*0.16*	*U*	*0.16*	*0.15*
106-99-0	*1,3-Butadiene*	*54.09*	*0.80*	*U*	*0.80*	*0.17*
74-83-9	*Bromomethane*	*94.94*	*0.80*	*U*	*0.80*	*0.11*
75-00-3	*Chloroethane*	*64.52*	*2.0*	*U*	*2.0*	*0.12*
593-60-2	*Vinyl bromide*	*106.96*	*0.80*	*U*	*0.80*	*0.12*
75-69-4	*Freon 11*	*137.37*	*0.40*	*J D*	*0.80*	*0.12*
76-13-1	*Freon 113*	*187.38*	*1.1*	*D*	*0.80*	*0.072*
75-35-4	*1,1-Dichloroethene*	*96.94*	*0.80*	*U*	*0.80*	*0.096*
67-64-1	Acetone	58.08	120	D	20	5.0
67-63-0	Isopropyl alcohol	60.10	160	E D	20	0.86
75-15-0	Carbon disulfide	76.14	56	D	2.0	0.26
107-05-1	*Allyl chloride*	*76.53*	*2.0*	*U*	*2.0*	*0.14*
75-09-2	*Methylene Chloride*	*84.93*	*34*	*D*	*2.0*	*0.50*
75-65-0	*tert-Butyl alcohol*	*74.12*	*20*	*U*	*20*	*1.3*
1634-04-4	*Methyl tert-butyl ether*	*88.15*	*0.80*	*U*	*0.80*	*0.088*
156-60-5	*trans-1,2-Dichloroethene*	*96.94*	*2.0*	*D*	*0.80*	*0.12*
110-54-3	*Hexane*	*86.17*	*0.36*	*J D*	*0.80*	*0.14*
75-34-3	*1,1-Dichloroethane*	*98.96*	*0.34*	*J D*	*0.80*	*0.15*
78-93-3	*Methyl Ethyl Ketone*	*72.11*	*23*	*D*	*2.0*	*0.97*
156-59-2	*cis-1,2-Dichloroethene*	*96.94*	*0.82*	*D*	*0.80*	*0.15*
540-59-0	*1,2-Dichloroethene, Total*	*96.94*	*2.8*	*D*	*0.80*	*0.26*
67-66-3	*Chloroform*	*119.38*	*5.2*	*D*	*0.80*	*0.10*
109-99-9	*Tetrahydrofuran*	*72.11*	*7.8*	*J D*	*20*	*0.18*
71-55-6	*1,1,1-Trichloroethane*	*133.41*	*1.2*	*D*	*0.80*	*0.084*
110-82-7	*Cyclohexane*	*84.16*	*0.60*	*J D*	*0.80*	*0.10*
56-23-5	*Carbon tetrachloride*	*153.81*	*0.16*	*U*	*0.16*	*0.084*
540-84-1	*2,2,4-Trimethylpentane*	*114.23*	*0.80*	*U*	*0.80*	*0.11*
71-43-2	*Benzene*	*78.11*	*0.60*	*J D*	*0.80*	*0.076*
107-06-2	*1,2-Dichloroethane*	*98.96*	*0.80*	*U*	*0.80*	*0.068*
142-82-5	*Heptane*	*100.21*	*0.80*	*U*	*0.80*	*0.18*

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-8 DL Lab Sample ID: 200-21727-11 DL

Matrix: Air Lab File ID: 6977_22.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:25

Sample wt/vol: 50(mL) Date Analyzed: 04/11/2014 07:39

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	9.3	D	0.16	0.096
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.80	U	0.80	0.13
123-91-1	1,4-Dioxane	88.11	20	U	20	0.80
75-27-4	Bromodichloromethane	163.83	0.80	U	0.80	0.068
10061-01-5	cis-1,3-Dichloropropene	110.97	0.80	U	0.80	0.11
108-10-1	methyl isobutyl ketone	100.16	0.74	J D	2.0	0.11
108-88-3	Toluene	92.14	1.9	D	0.80	0.068
10061-02-6	trans-1,3-Dichloropropene	110.97	0.80	U	0.80	0.088
79-00-5	1,1,2-Trichloroethane	133.41	0.80	U	0.80	0.068
127-18-4	Tetrachloroethene	165.83	1.3	D	0.80	0.064
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.4	J D	2.0	0.80
124-48-1	Dibromochloromethane	208.29	0.80	U	0.80	0.080
106-93-4	1,2-Dibromoethane	187.87	0.80	U	0.80	0.080
108-90-7	Chlorobenzene	112.56	0.80	U	0.80	0.032
100-41-4	Ethylbenzene	106.17	0.22	J D	0.80	0.052
179601-23-1	m,p-Xylene	106.17	0.78	J D	2.0	0.092
95-47-6	Xylene, o-	106.17	0.25	J D	0.80	0.064
1330-20-7	Xylene (total)	106.17	1.0	D	0.80	0.14
100-42-5	Styrene	104.15	0.80	U	0.80	0.072
75-25-2	Bromoform	252.75	0.80	U	0.80	0.040
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.80	U	0.80	0.064
103-65-1	n-Propylbenzene	120.19	0.80	U	0.80	0.32
622-96-8	4-Ethyltoluene	120.20	0.80	U	0.80	0.072
108-67-8	1,3,5-Trimethylbenzene	120.20	0.80	U	0.80	0.048
95-49-8	2-Chlorotoluene	126.59	0.80	U	0.80	0.052
98-06-6	tert-Butylbenzene	134.22	0.80	U	0.80	0.068
95-63-6	1,2,4-Trimethylbenzene	120.20	0.11	J D	0.80	0.056
135-98-8	sec-Butylbenzene	134.22	0.80	U	0.80	0.32
99-87-6	4-Isopropyltoluene	134.22	0.80	U	0.80	0.32
541-73-1	1,3-Dichlorobenzene	147.00	0.80	U	0.80	0.056
106-46-7	1,4-Dichlorobenzene	147.00	0.80	U	0.80	0.056
100-44-7	Benzyl chloride	126.58	0.80	U	0.80	0.32
104-51-8	n-Butylbenzene	134.22	0.80	U	0.80	0.32

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-8 DL Lab Sample ID: 200-21727-11 DL

Matrix: Air Lab File ID: 6977_22.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:25

Sample wt/vol: 50(mL) Date Analyzed: 04/11/2014 07:39

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	*1,2-Dichlorobenzene*	*147.00*	*0.80*	*U*	*0.80*	*0.056*
120-82-1	*1,2,4-Trichlorobenzene*	*181.45*	*2.0*	*U*	*2.0*	*0.11*
87-68-3	*Hexachloro-1,3-butadiene*	*260.76*	*0.80*	*U*	*0.80*	*0.088*
91-20-3	*Naphthalene*	*128.17*	*2.0*	*U*	*2.0*	*0.80*

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-8 DL Lab Sample ID: 200-21727-11 DL

Matrix: Air Lab File ID: 6977_22.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:25

Sample wt/vol: 50(mL) Date Analyzed: 04/11/2014 07:39

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	4.5	J D	9.9	0.59
75-45-6	Freon 22	86.47	3.7	J D	7.1	0.68
76-14-2	Freon-114	170.92	5.6	U	5.6	0.98
74-87-3	Chloromethane	50.49	4.1	U	4.1	1.1
106-97-8	n-Butane	58.12	12	D	4.8	2.7
75-01-4	Vinyl chloride	62.50	0.41	U	0.41	0.39
106-99-0	1,3-Butadiene	54.09	1.8	U	1.8	0.37
74-83-9	Bromomethane	94.94	3.1	U	3.1	0.43
75-00-3	Chloroethane	64.52	5.3	U	5.3	0.32
593-60-2	Vinyl bromide	106.96	3.5	U	3.5	0.52
75-69-4	Freon 11	137.37	2.2	J D	4.5	0.67
76-13-1	Freon 113	187.38	8.1	D	6.1	0.55
75-35-4	1,1-Dichloroethene	96.94	3.2	U	3.2	0.38
67-64-1	Acetone	58.08	280	D	48	12
67-63-0	Isopropyl alcohol	60.10	400	E D	49	2.1
75-15-0	Carbon disulfide	76.14	170	D	6.2	0.82
107-05-1	Allyl chloride	76.53	6.3	U	6.3	0.43
75-09-2	Methylene Chloride	84.93	120	D	6.9	1.7
75-65-0	tert-Butyl alcohol	74.12	61	U	61	4.0
1634-04-4	Methyl tert-butyl ether	88.15	2.9	U	2.9	0.32
156-60-5	trans-1,2-Dichloroethene	96.94	7.9	D	3.2	0.46
110-54-3	Hexane	86.17	1.3	J D	2.8	0.48
75-34-3	1,1-Dichloroethane	98.96	1.4	J D	3.2	0.62
78-93-3	Methyl Ethyl Ketone	72.11	67	D	5.9	2.9
156-59-2	cis-1,2-Dichloroethene	96.94	3.2	D	3.2	0.60
540-59-0	1,2-Dichloroethene, Total	96.94	11	D	3.2	1.0
67-66-3	Chloroform	119.38	25	D	3.9	0.49
109-99-9	Tetrahydrofuran	72.11	23	J D	59	0.54
71-55-6	1,1,1-Trichloroethane	133.41	6.7	D	4.4	0.46
110-82-7	Cyclohexane	84.16	2.1	J D	2.8	0.34
56-23-5	Carbon tetrachloride	153.81	1.0	U	1.0	0.53
540-84-1	2,2,4-Trimethylpentane	114.23	3.7	U	3.7	0.50
71-43-2	Benzene	78.11	1.9	J D	2.6	0.24
107-06-2	1,2-Dichloroethane	98.96	3.2	U	3.2	0.28
142-82-5	Heptane	100.21	3.3	U	3.3	0.75

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-8 DL Lab Sample ID: 200-21727-11 DL

Matrix: Air Lab File ID: 6977_22.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:25

Sample wt/vol: 50(mL) Date Analyzed: 04/11/2014 07:39

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	50	D	0.86	0.52
80-62-6	Methyl methacrylate	100.12	8.2	U	8.2	0.49
78-87-5	1,2-Dichloropropane	112.99	3.7	U	3.7	0.59
123-91-1	1,4-Dioxane	88.11	72	U	72	2.9
75-27-4	Bromodichloromethane	163.83	5.4	U	5.4	0.46
10061-01-5	cis-1,3-Dichloropropene	110.97	3.6	U	3.6	0.51
108-10-1	methyl isobutyl ketone	100.16	3.0	J D	8.2	0.44
108-88-3	Toluene	92.14	7.2	D	3.0	0.26
10061-02-6	trans-1,3-Dichloropropene	110.97	3.6	U	3.6	0.40
79-00-5	1,1,2-Trichloroethane	133.41	4.4	U	4.4	0.37
127-18-4	Tetrachloroethene	165.83	9.1	D	5.4	0.43
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.8	J D	8.2	3.3
124-48-1	Dibromochloromethane	208.29	6.8	U	6.8	0.68
106-93-4	1,2-Dibromoethane	187.87	6.1	U	6.1	0.61
108-90-7	Chlorobenzene	112.56	3.7	U	3.7	0.15
100-41-4	Ethylbenzene	106.17	0.96	J D	3.5	0.23
179601-23-1	m,p-Xylene	106.17	3.4	J D	8.7	0.40
95-47-6	Xylene, o-	106.17	1.1	J D	3.5	0.28
1330-20-7	Xylene (total)	106.17	4.5	D	3.5	0.59
100-42-5	Styrene	104.15	3.4	U	3.4	0.31
75-25-2	Bromoform	252.75	8.3	U	8.3	0.41
79-34-5	1,1,2,2-Tetrachloroethane	167.85	5.5	U	5.5	0.44
103-65-1	n-Propylbenzene	120.19	3.9	U	3.9	1.6
622-96-8	4-Ethyltoluene	120.20	3.9	U	3.9	0.35
108-67-8	1,3,5-Trimethylbenzene	120.20	3.9	U	3.9	0.24
95-49-8	2-Chlorotoluene	126.59	4.1	U	4.1	0.27
98-06-6	tert-Butylbenzene	134.22	4.4	U	4.4	0.37
95-63-6	1,2,4-Trimethylbenzene	120.20	0.56	J D	3.9	0.28
135-98-8	sec-Butylbenzene	134.22	4.4	U	4.4	1.8
99-87-6	4-Isopropyltoluene	134.22	4.4	U	4.4	1.8
541-73-1	1,3-Dichlorobenzene	147.00	4.8	U	4.8	0.34
106-46-7	1,4-Dichlorobenzene	147.00	4.8	U	4.8	0.34
100-44-7	Benzyl chloride	126.58	4.1	U	4.1	1.7
104-51-8	n-Butylbenzene	134.22	4.4	U	4.4	1.8

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SDS-8 DL Lab Sample ID: 200-21727-11 DL

Matrix: Air Lab File ID: 6977_22.D

Analysis Method: TO-15 Date Collected: 04/04/2014 15:25

Sample wt/vol: 50(mL) Date Analyzed: 04/11/2014 07:39

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	*1,2-Dichlorobenzene*	*147.00*	*4.8*	*U*	*4.8*	*0.34*
120-82-1	*1,2,4-Trichlorobenzene*	*181.45*	*15*	*U*	*15*	*0.80*
87-68-3	*Hexachloro-1,3-butadiene*	*260.76*	*8.5*	*U*	*8.5*	*0.94*
91-20-3	*Naphthalene*	*128.17*	*10*	*U*	*10*	*4.2*

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D
Lims ID: 200-21727-A-11 Lab Sample ID: 200-21727-11
Client ID: SDS-8
Sample Type: Client
Inject. Date: 11-Apr-2014 07:39:30 ALS Bottle#: 1 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 4.0000
Sample Info: 200-0006977-022
Misc. Info.: 21727-11
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 11:49:54 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 11:49:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.261	3.256	0.005	84	32641	0.2293	
6 Chlorodifluoromethane	51	3.320	3.315	0.005	54	12511	0.2615	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50	3.709	3.699	0.010	57	2399	0.1019	
9 Butane	43	3.923	3.912	0.011	94	49292	1.31	
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.049					
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101	5.572	5.567	0.005	73	17518	0.0993	
23 1,1,2-Trichloro-1,2,2-trif	101	6.714	6.714	0.000	82	28165	0.2646	
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43	7.034	7.034	0.000	88	1229974	30.0	
26 Carbon disulfide	76	7.146	7.141	0.005	98	1420745	14.0	
27 Isopropyl alcohol	45	7.360	7.355	0.005	98	1231350	40.9	E
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.894	7.894	0.000	73	250934	8.47	
32 2-Methyl-2-propanol	59	8.182	8.155	0.027	81	12953	0.2270	
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61	8.337	8.342	-0.005	81	24631	0.4989	
36 Hexane	57	8.731	8.732	-0.001	74	4191	0.0891	
37 1,1-Dichloroethane	63	9.260	9.260	0.000	58	5903	0.0838	
S 41 1,2-Dichloroethene, Total	61				0		0.7031	
39 cis-1,2-Dichloroethene	96	10.418	10.418	0.000	78	12751	0.2041	
40 2-Butanone (MEK)	72	10.498	10.498	0.000	95	131648	5.65	
* 43 Chlorobromomethane	128	10.909	10.909	0.000	65	552511	10.0	
44 Tetrahydrofuran	42	10.936	10.925	0.011	78	59631	1.96	
45 Chloroform	83	11.053	11.048	0.005	99	168997	1.30	
46 Cyclohexane	84	11.288	11.283	0.005	43	11832	0.1512	
47 1,1,1-Trichloroethane	97	11.331	11.325	0.006	84	51367	0.3061	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.587	11.581	0.006	44	2842	0.0139	
51 Isooctane	57		12.035					
50 Benzene	78	12.083	12.083	0.000	76	27011	0.1507	
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43		12.451					
* 54 1,4-Difluorobenzene	114	12.974	12.980	-0.006	91	3019488	10.0	
56 Trichloroethene	95	13.455	13.460	-0.005	91	255027	2.32	
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69		14.234					
60 1,4-Dioxane	88	14.341	14.303	0.038	41	6123	0.1950	
62 Dichlorobromomethane	83		14.629					
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43	15.904	15.894	0.010	83	18474	0.1843	
66 Toluene	92	16.182	16.182	0.000	93	81648	0.4769	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166	17.265	17.265	0.000	92	73783	0.3344	
73 2-Hexanone	43	17.649	17.639	0.010	89	34279	0.3533	
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	80	3004666	10.0	
77 Chlorobenzene	112		19.181					
78 Ethylbenzene	91	19.320	19.325	-0.005	77	22248	0.0551	
81 m-Xylene & p-Xylene	106	19.571	19.576	-0.005	97	33982	0.1949	
S 82 Xylenes, Total	106				0		0.2580	
83 o-Xylene	106	20.382	20.387	-0.005	77	10739	0.0630	
84 Styrene	104		20.435					
85 Bromoform	173		20.836					
$ 87 4-Bromofluorobenzene	95	21.375	21.375	0.000	94	1915087	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91		21.706					
91 4-Ethyltoluene	105		21.882					
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105		21.983					
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105	22.549	22.549	0.000	70	13129	0.0286	
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119	22.965	22.965	0.000	82	27532	0.0471	
100 1,3-Dichlorobenzene	146		23.008					
101 1,4-Dichlorobenzene	146		23.141					
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
105 1,2-Dichlorobenzene	146		23.696					
107 1,2,4-Trichlorobenzene	180		26.322					
108 Hexachlorobutadiene	225		26.509					
109 Naphthalene	128		26.850					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

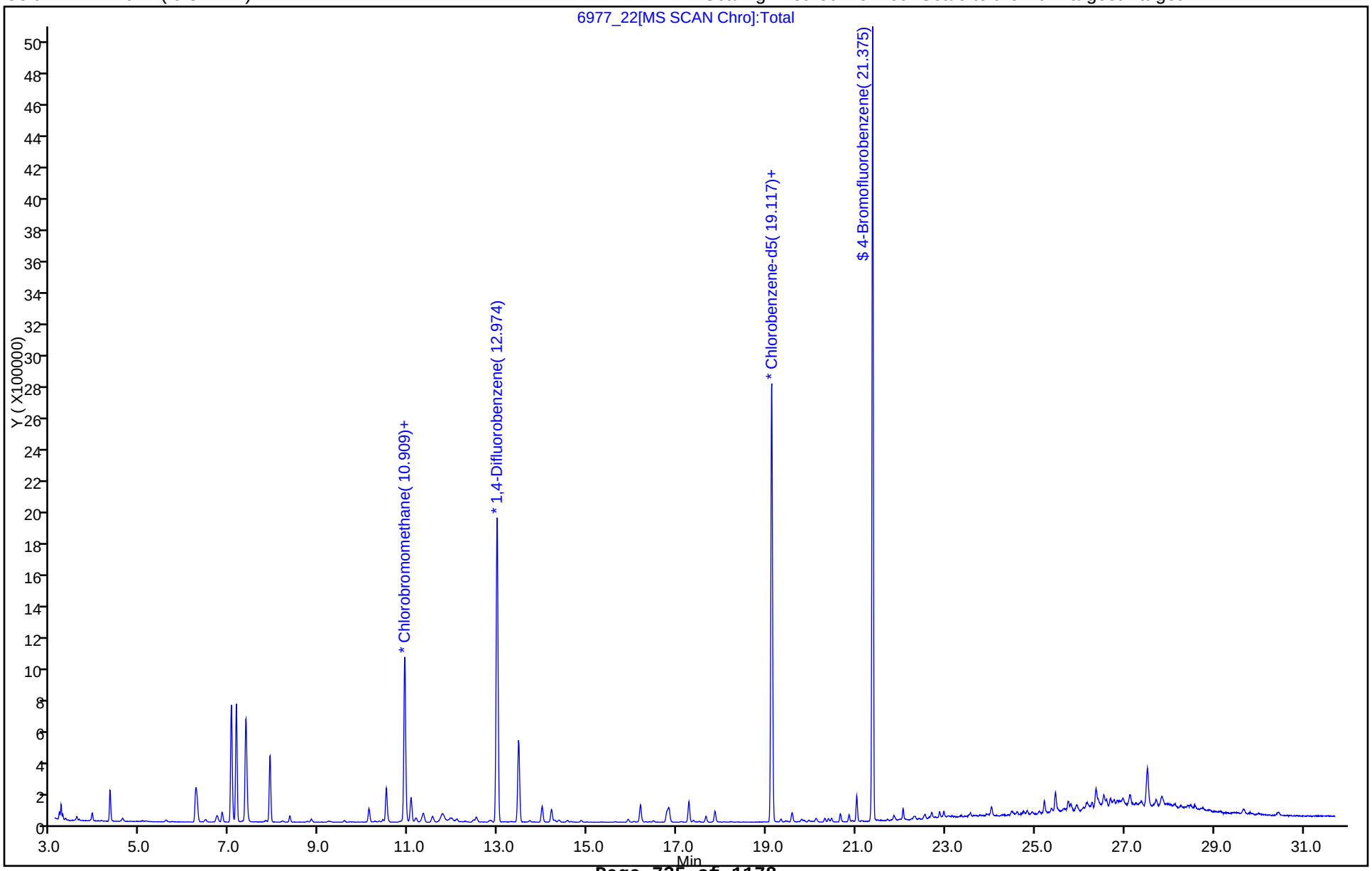
Report Date: 11-Apr-2014 11:49:54 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D

Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11	Worklist Smp#:	22
Client ID:	SDS-8				
Purge Vol:	200.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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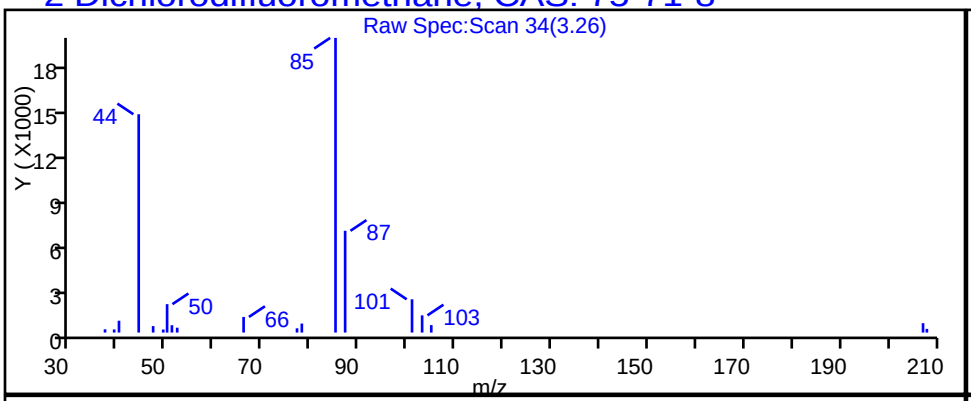
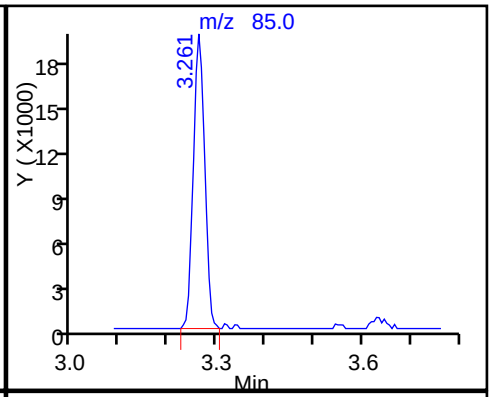
TestAmerica Burlington

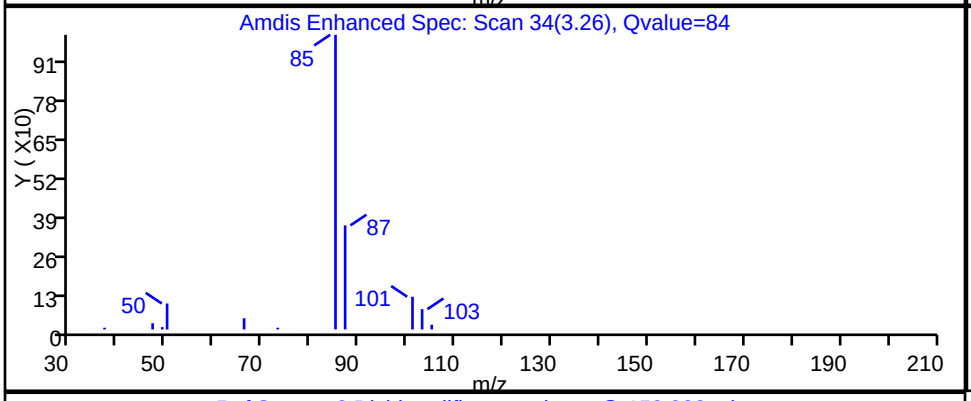
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D

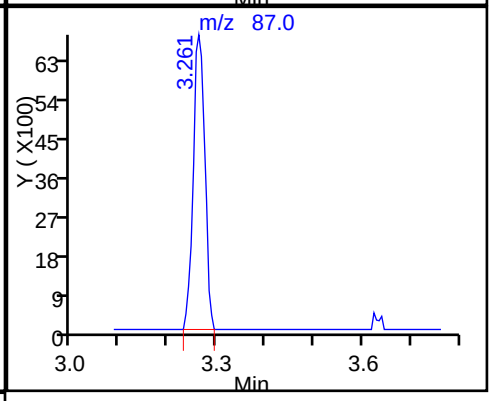
Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

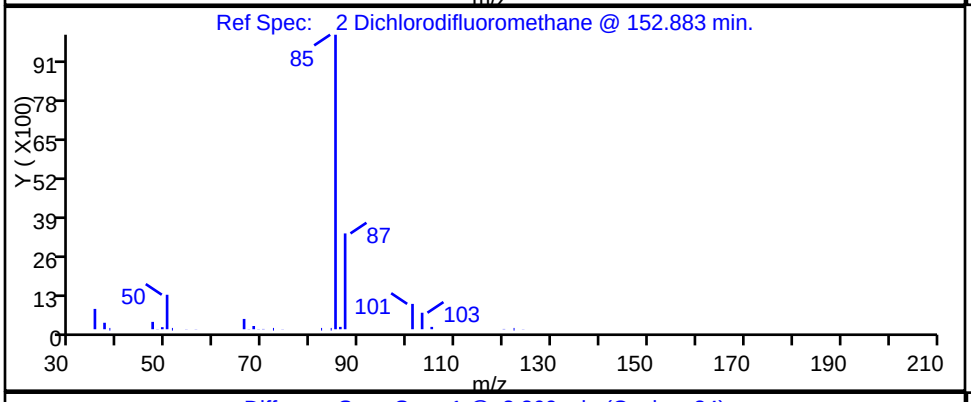
2 Dichlorodifluoromethane, CAS: 75-71-8

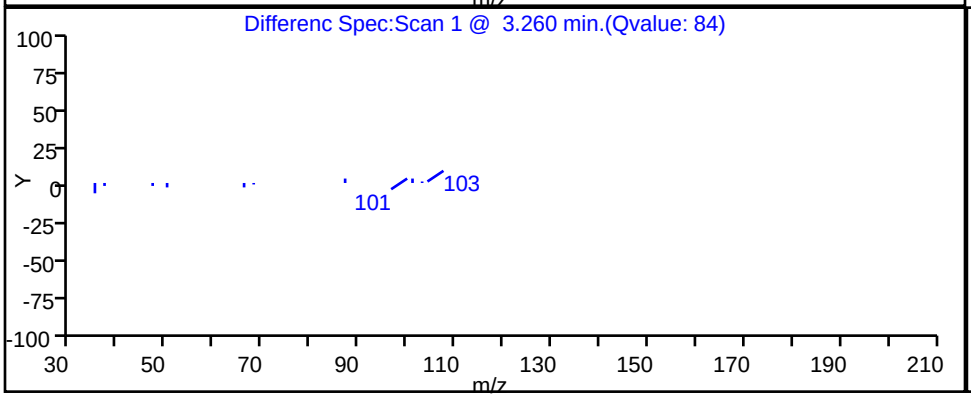


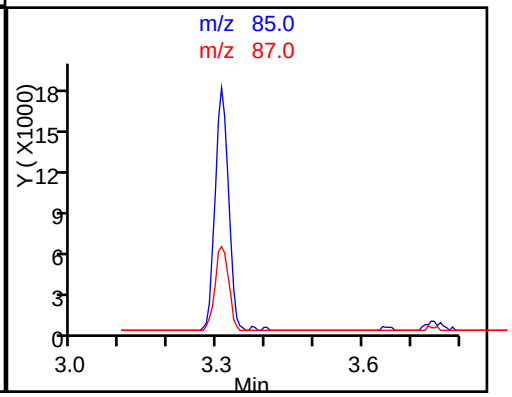












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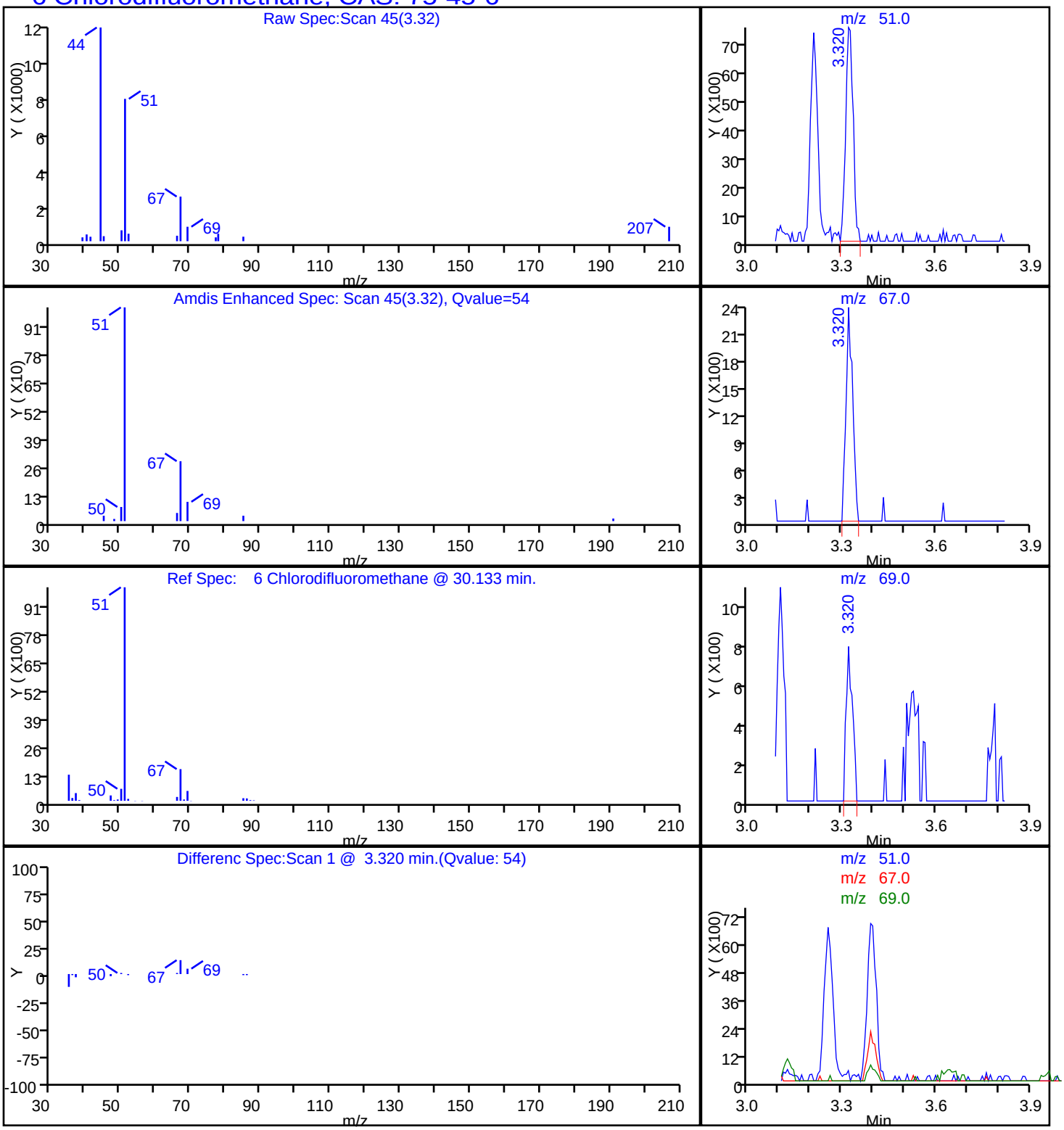
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D

Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



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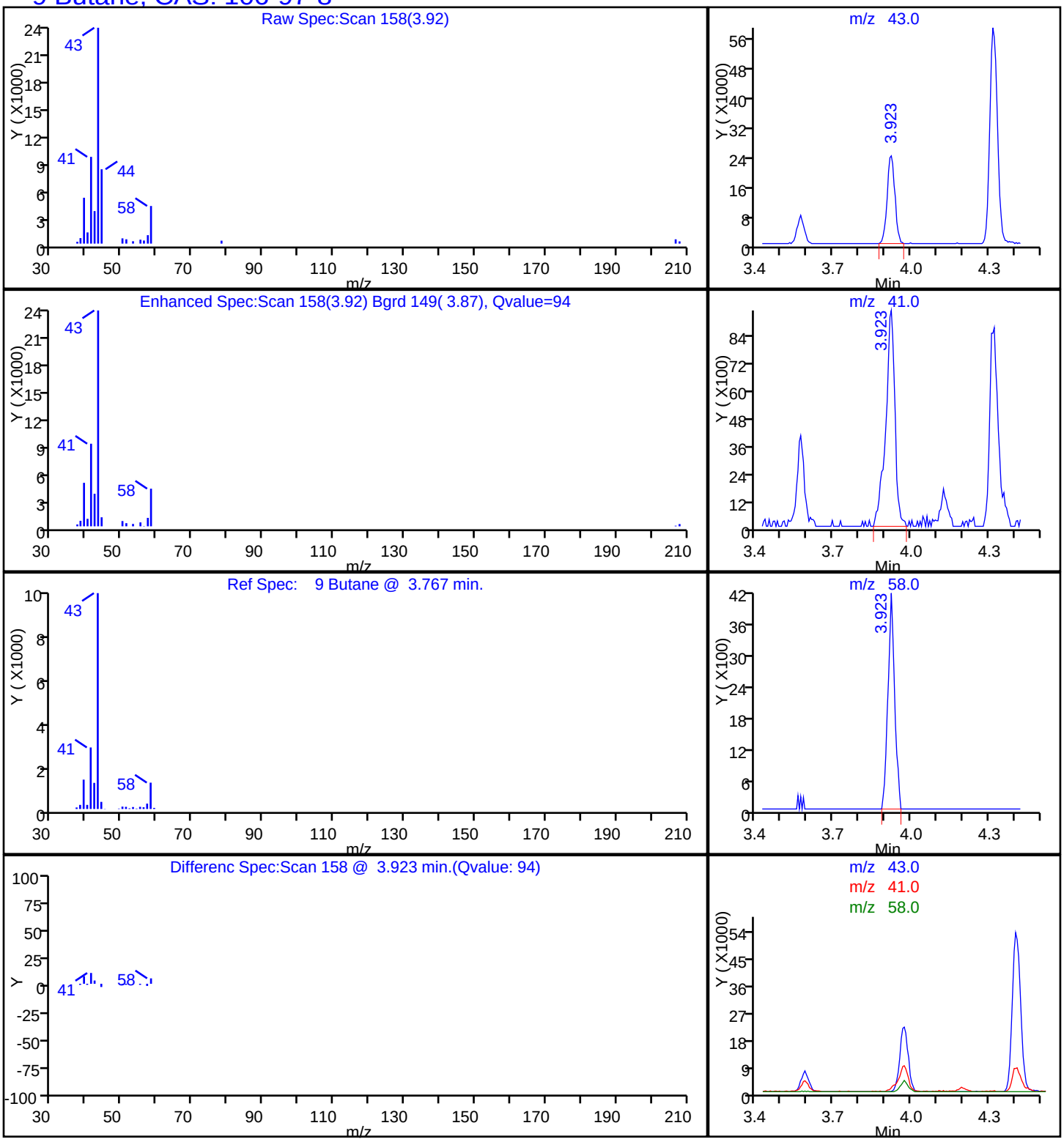
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D

Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



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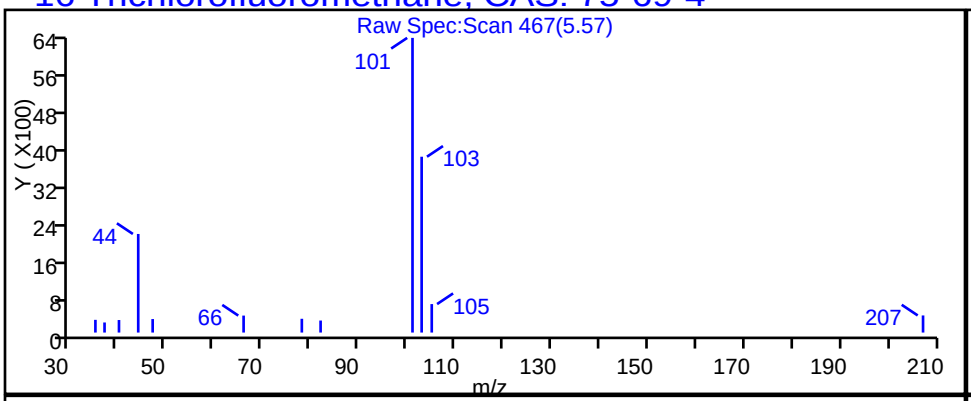
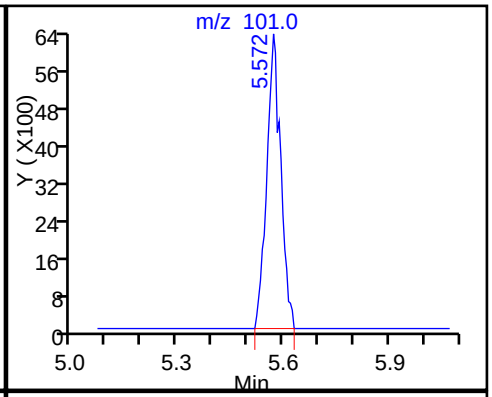
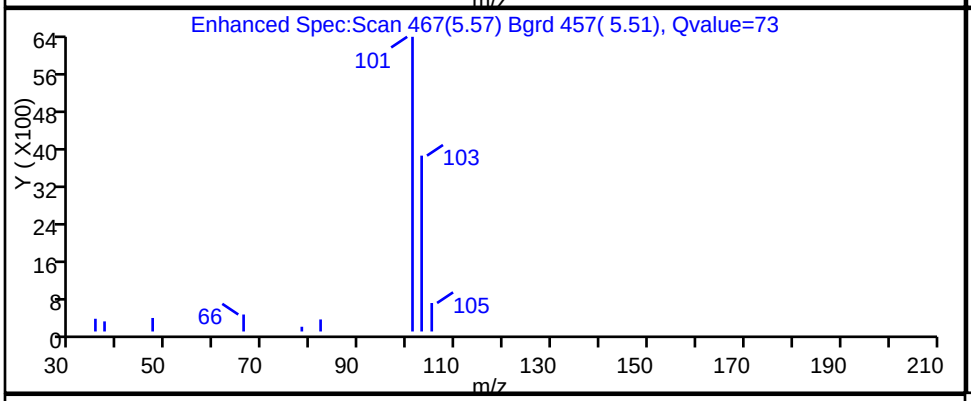
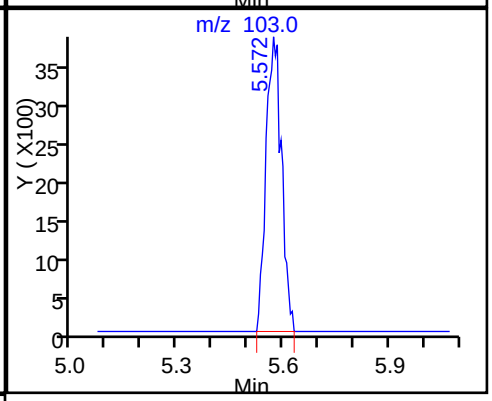
Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

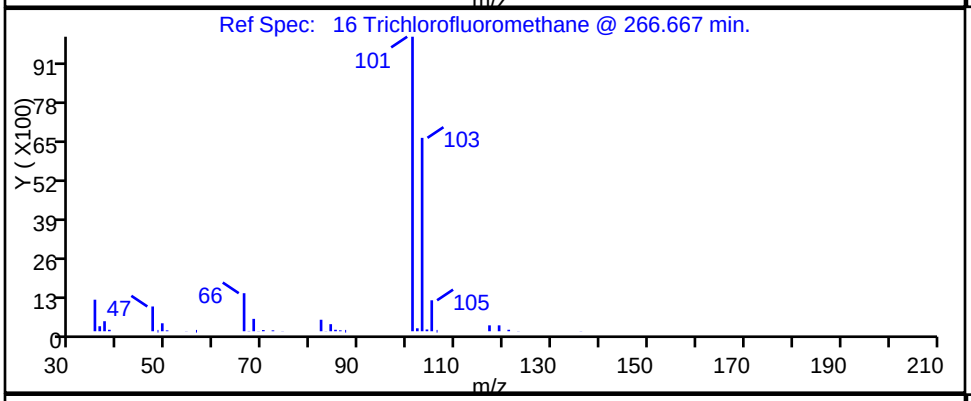
16 Trichlorofluoromethane, CAS: 75-69-4

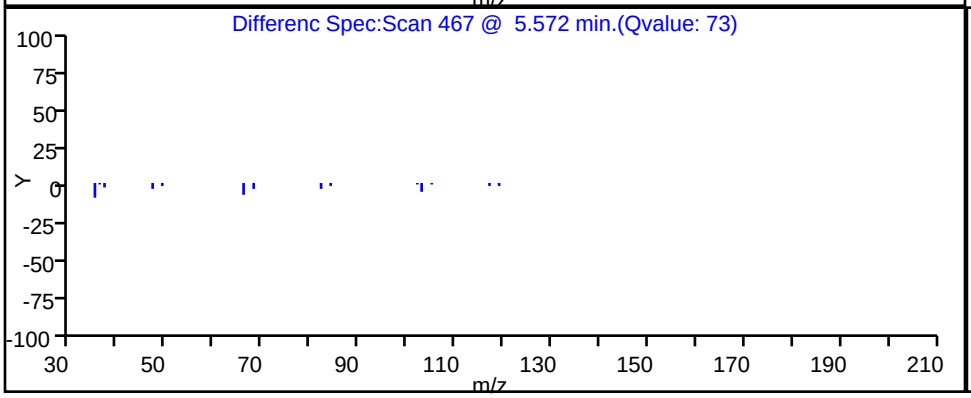


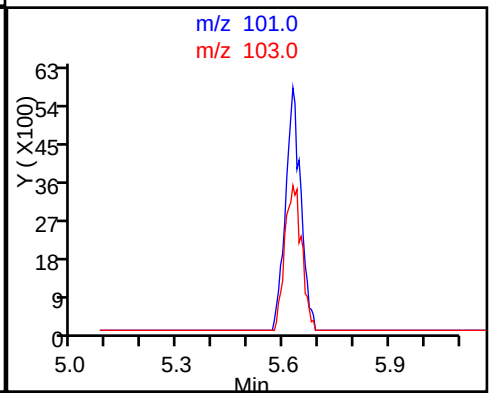












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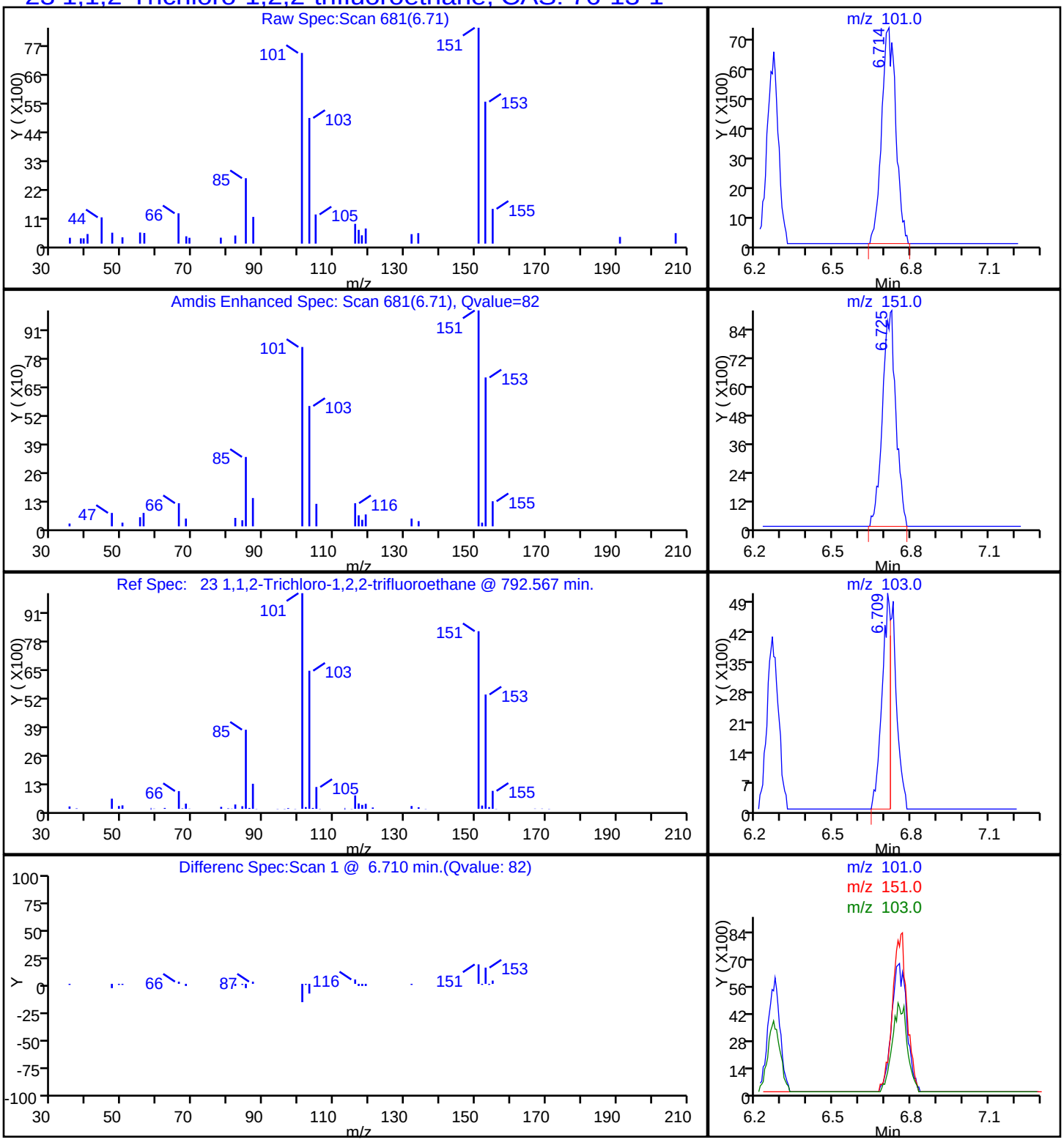
Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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TestAmerica Burlington

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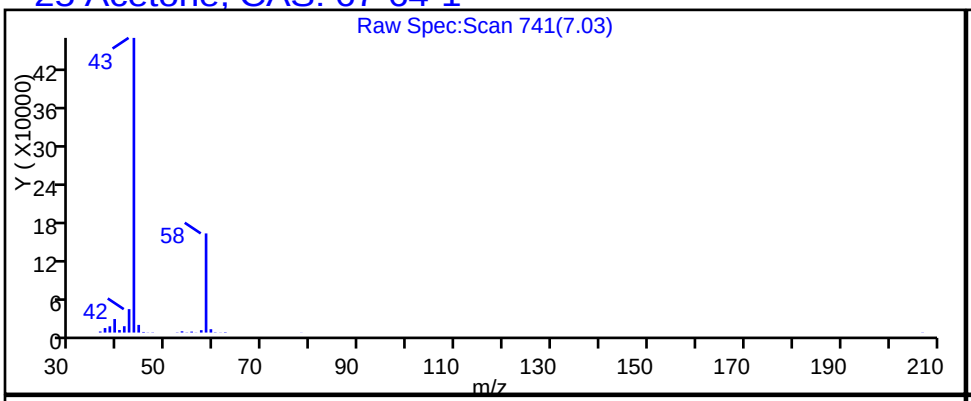
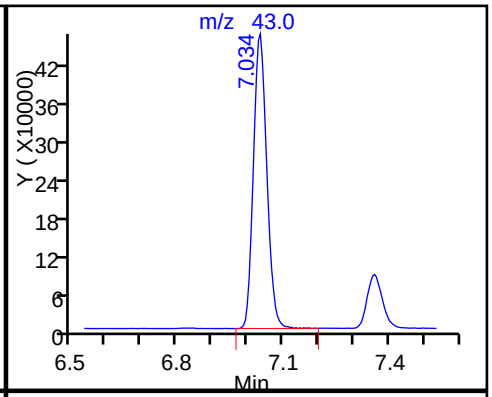
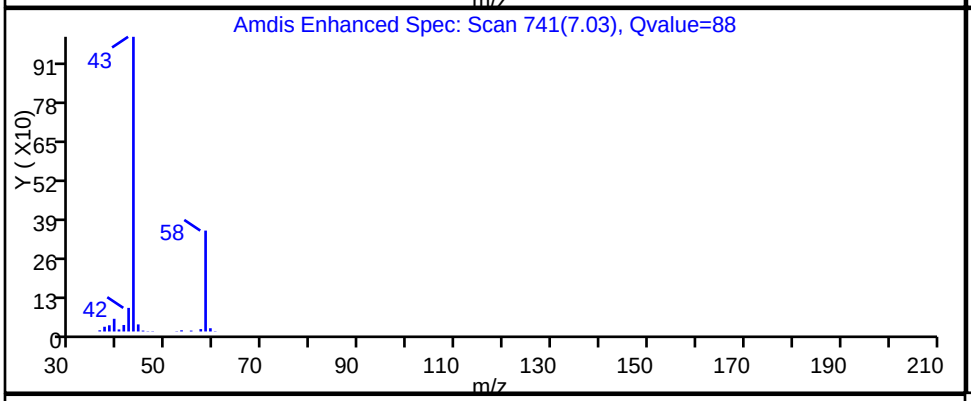
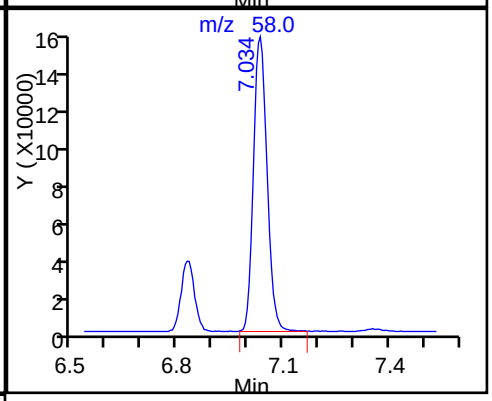
Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

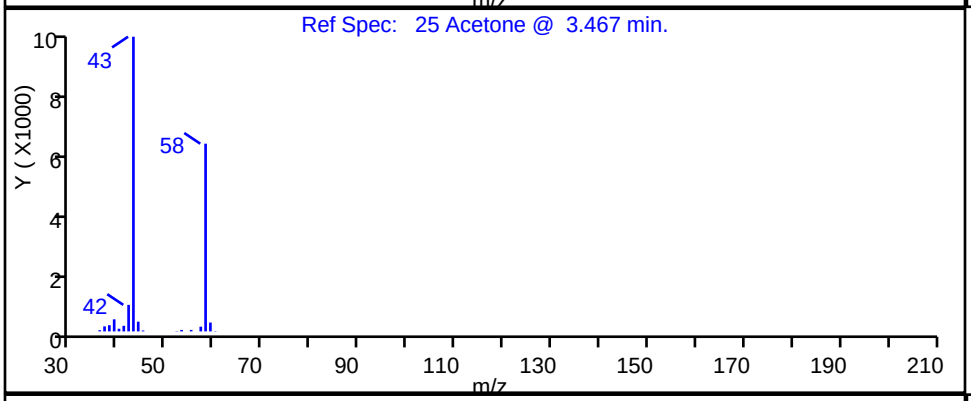
25 Acetone, CAS: 67-64-1

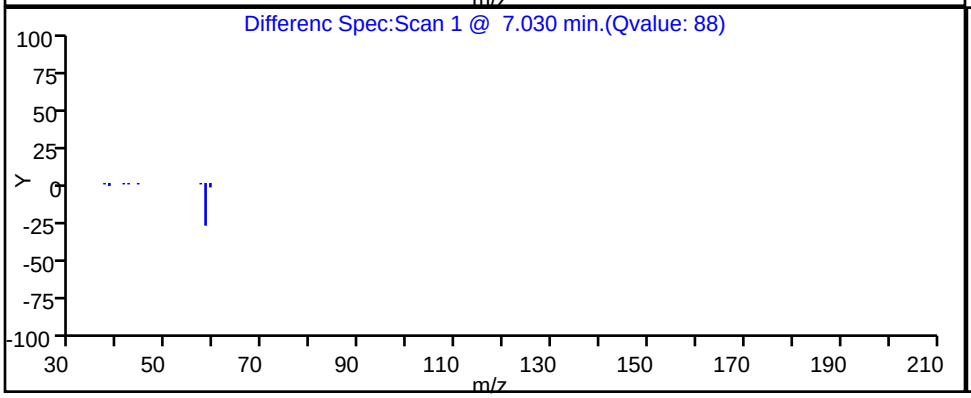


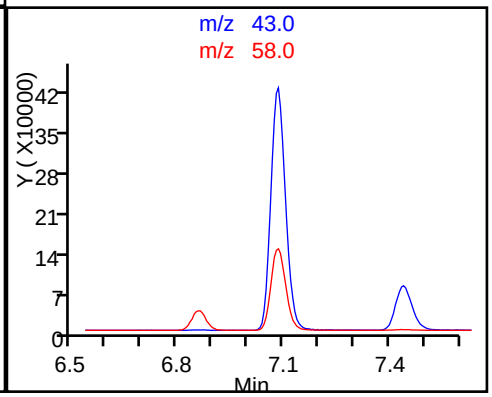












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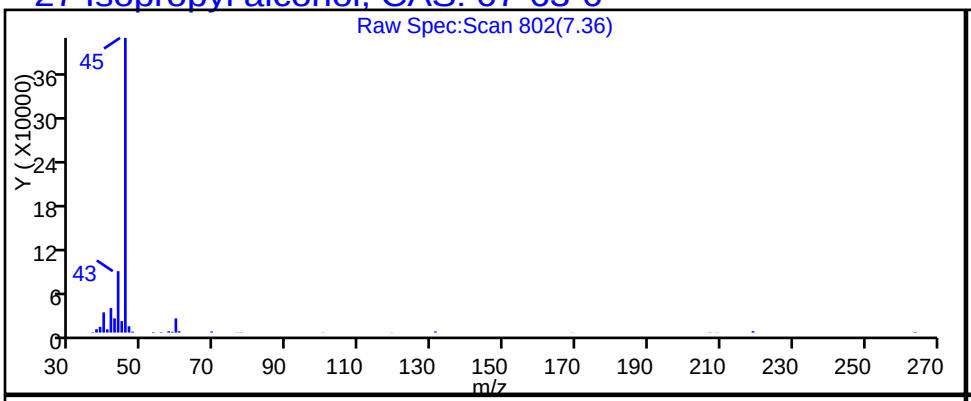
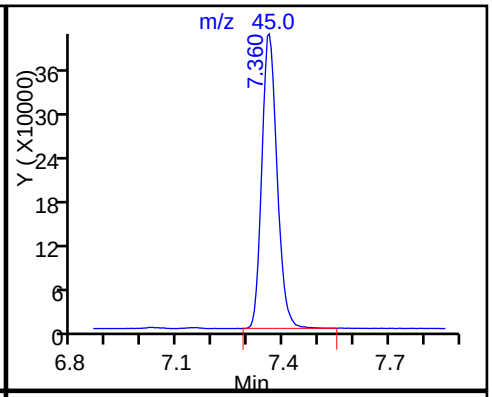
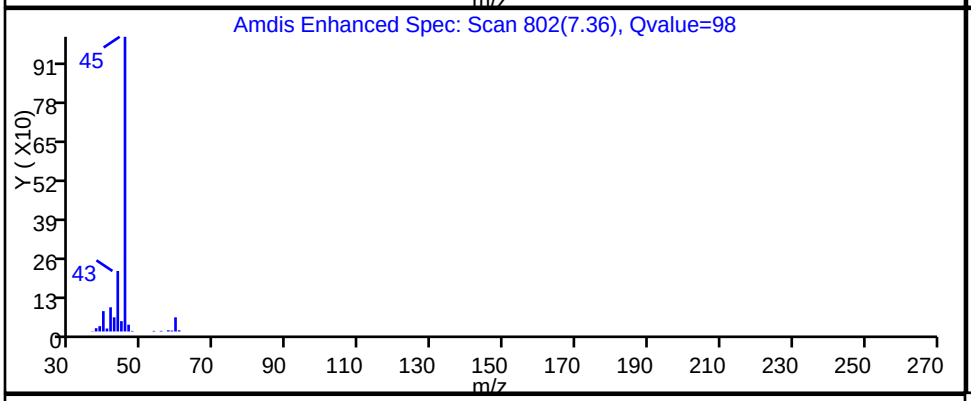
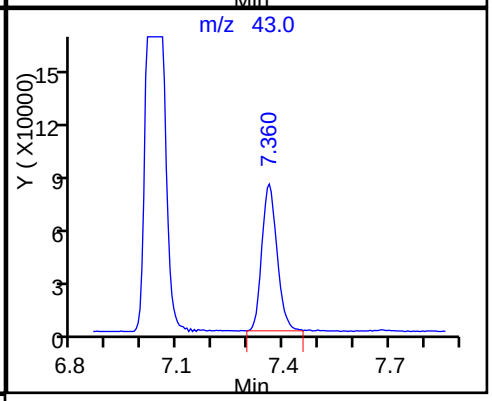
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

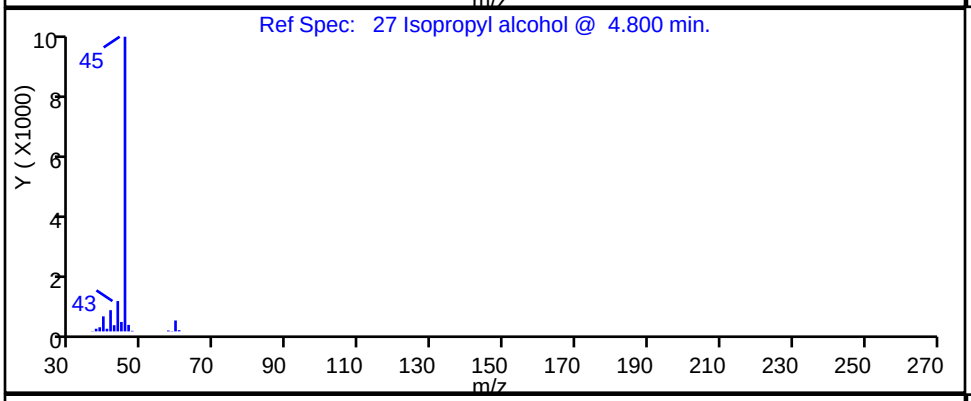
27 Isopropyl alcohol, CAS: 67-63-0

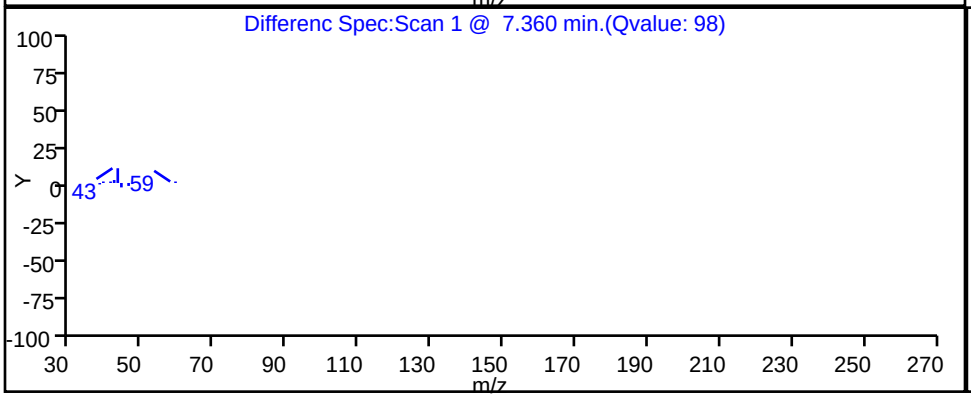


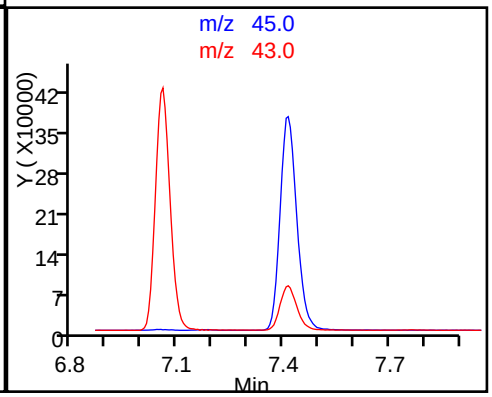












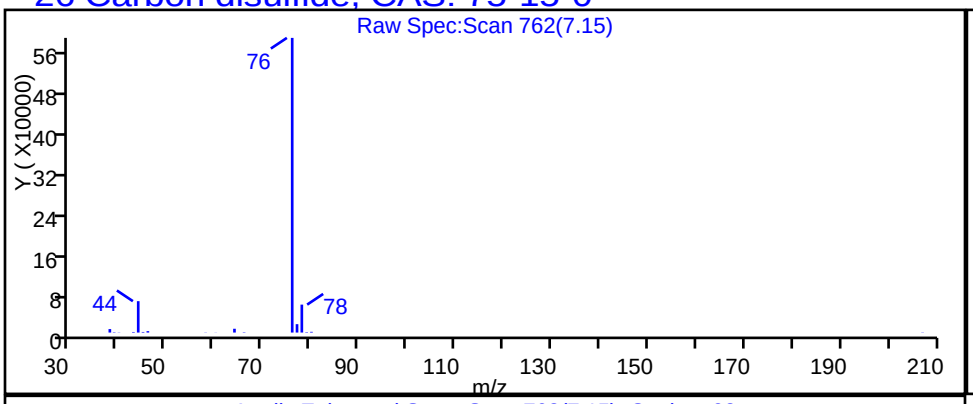
Report Date: 11-Apr-2014 11:49:54 Chrom Revision: 2.2 10-Apr-2014 15:11:30

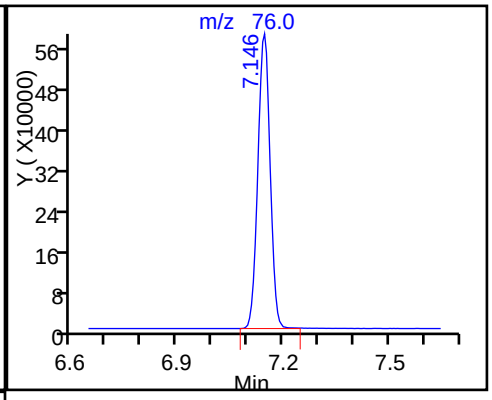
TestAmerica Burlington

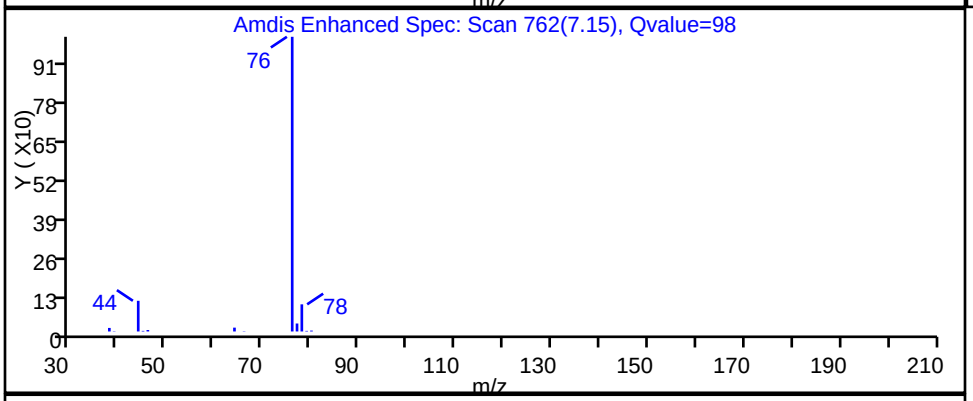
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D

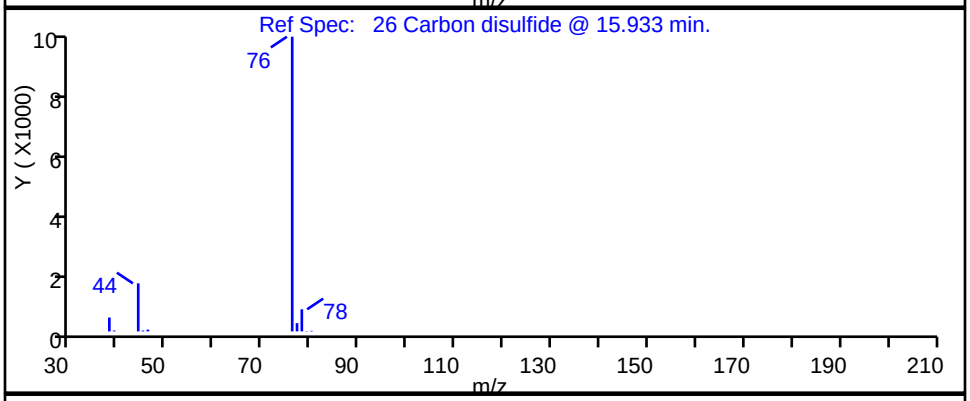
Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

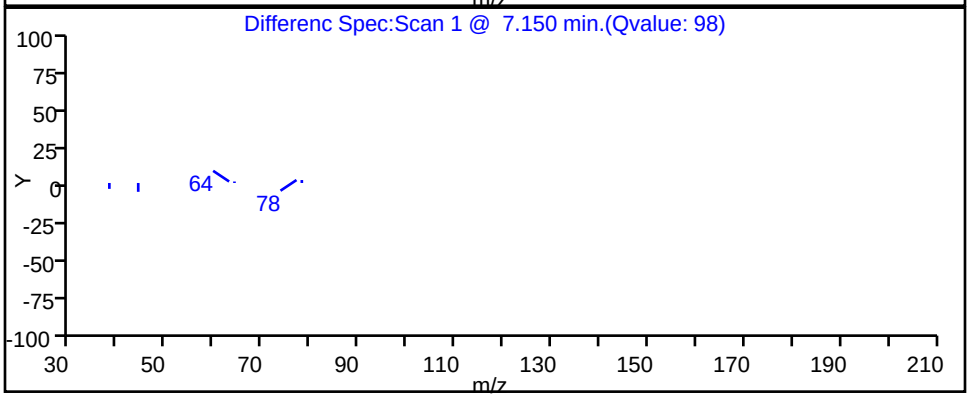
26 Carbon disulfide, CAS: 75-15-0











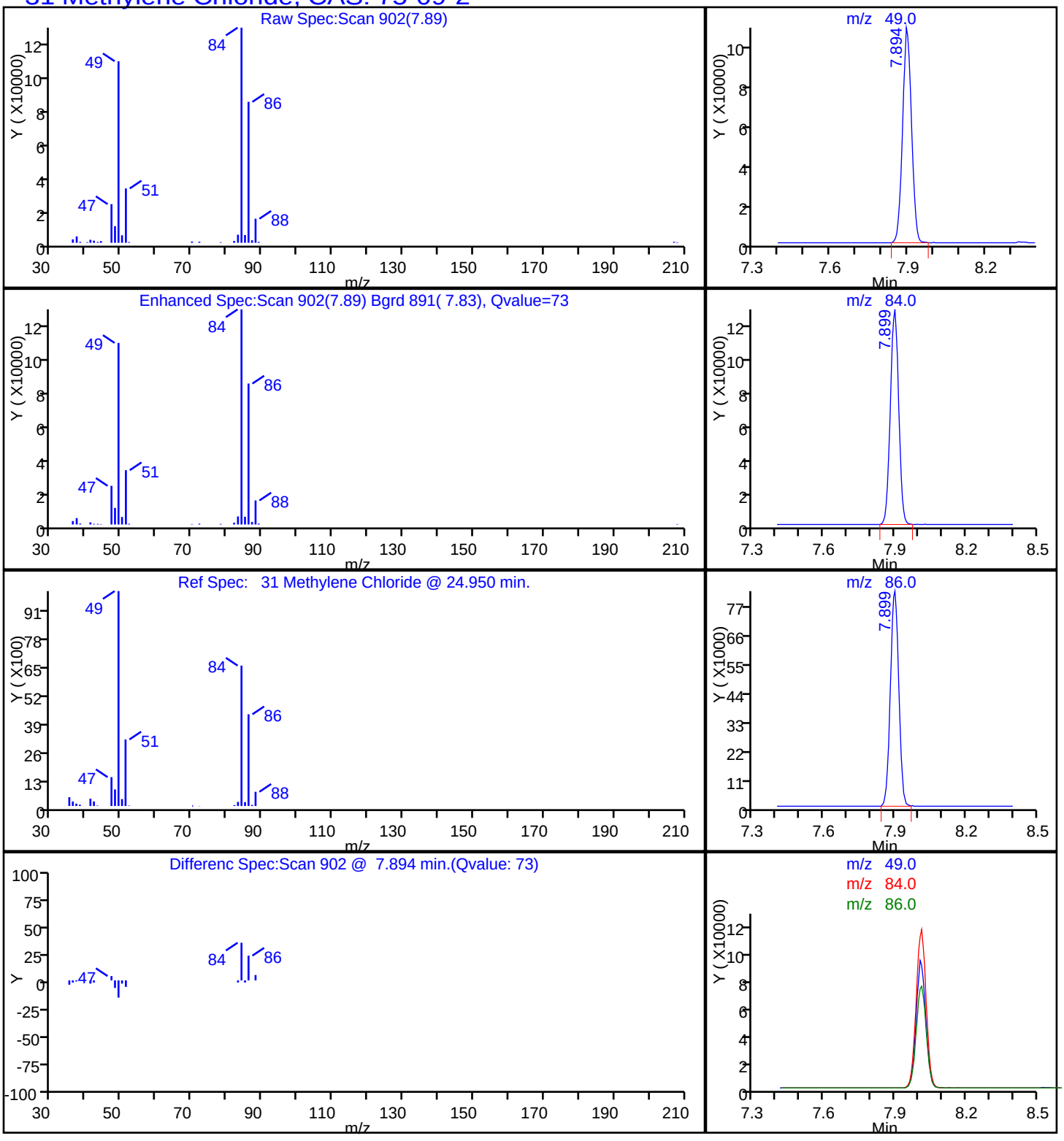
Report Date: 11-Apr-2014 11:49:54 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D

Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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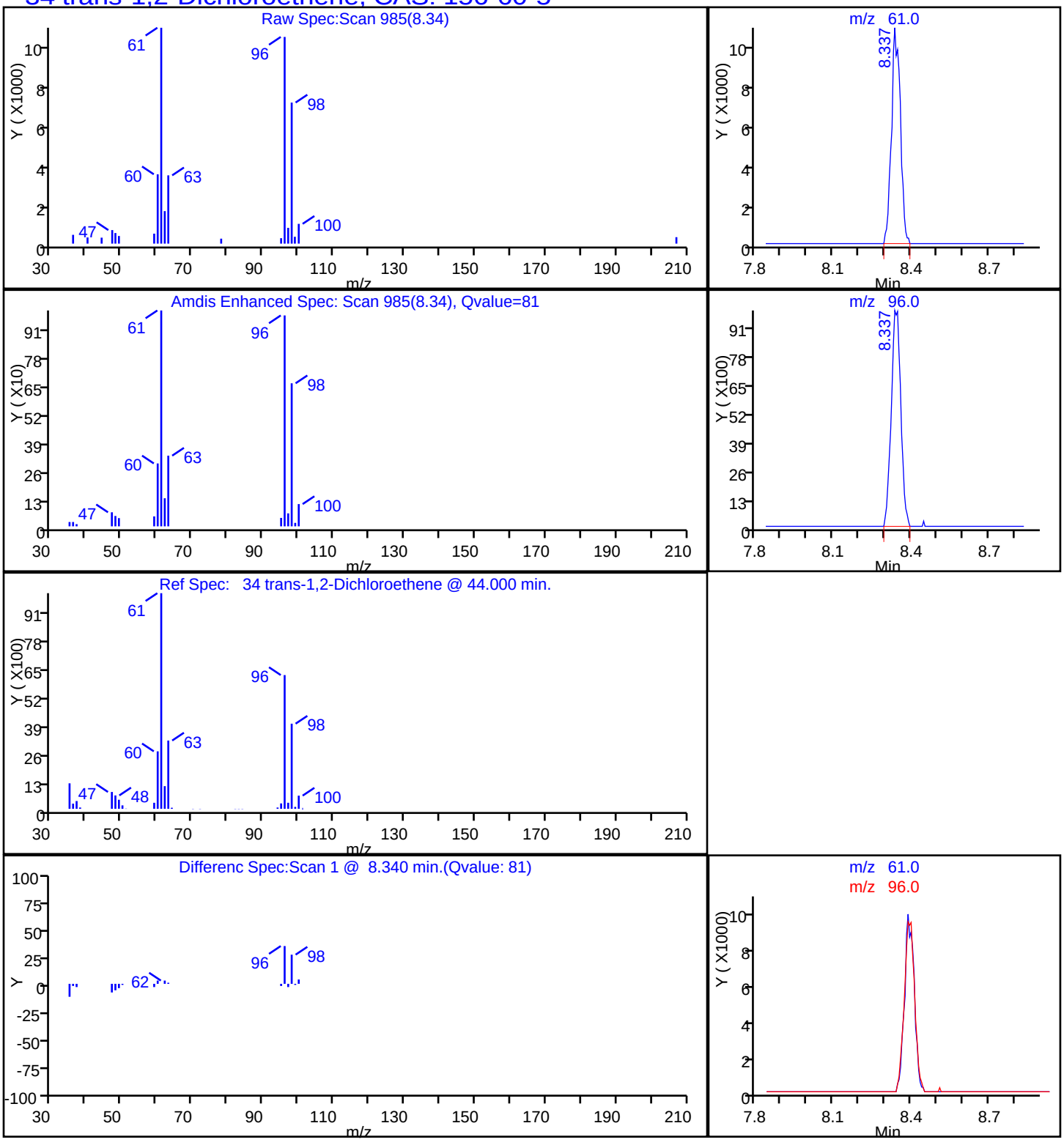
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D

Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5



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TestAmerica Burlington

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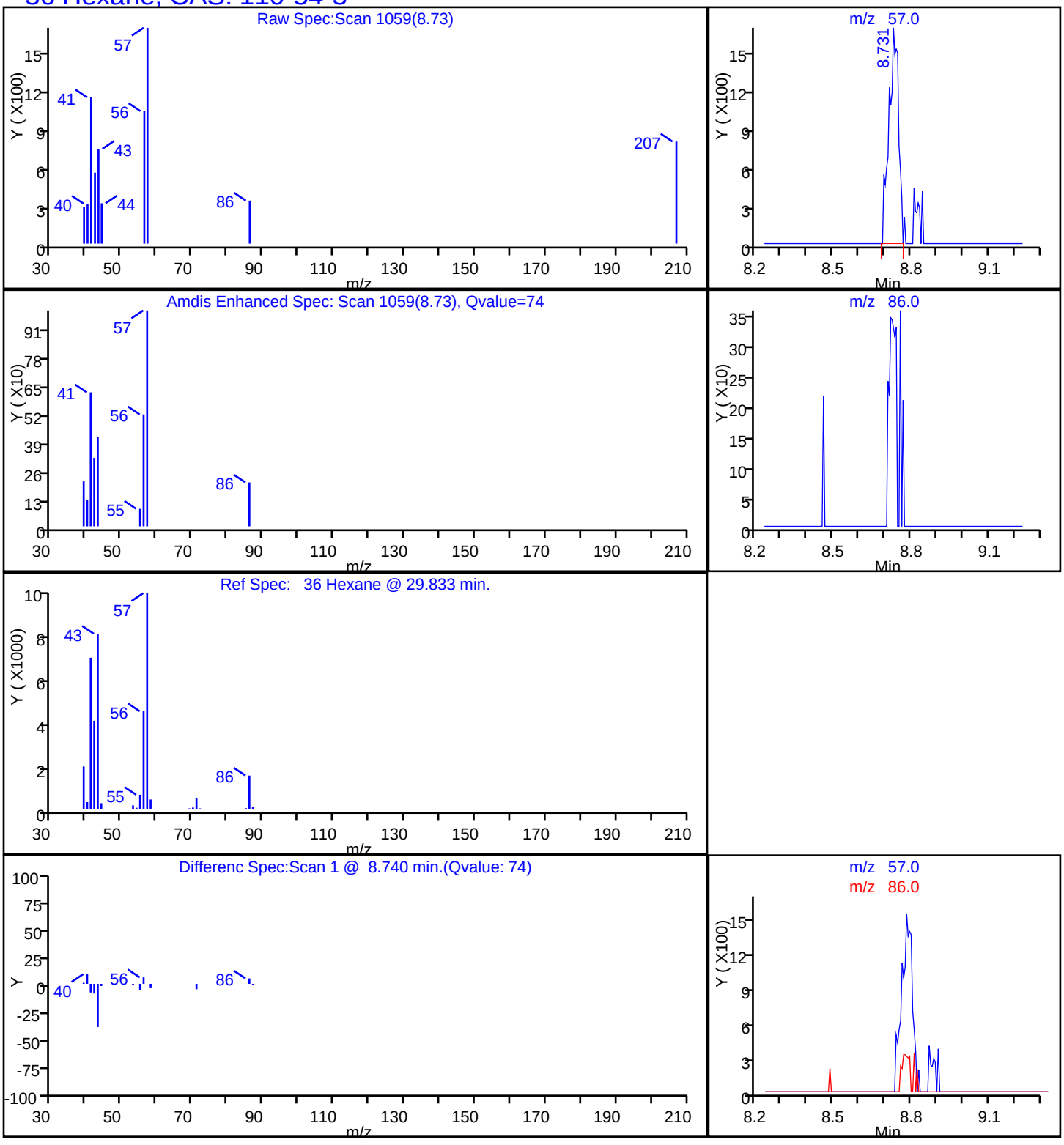
Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



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TestAmerica Burlington

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Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
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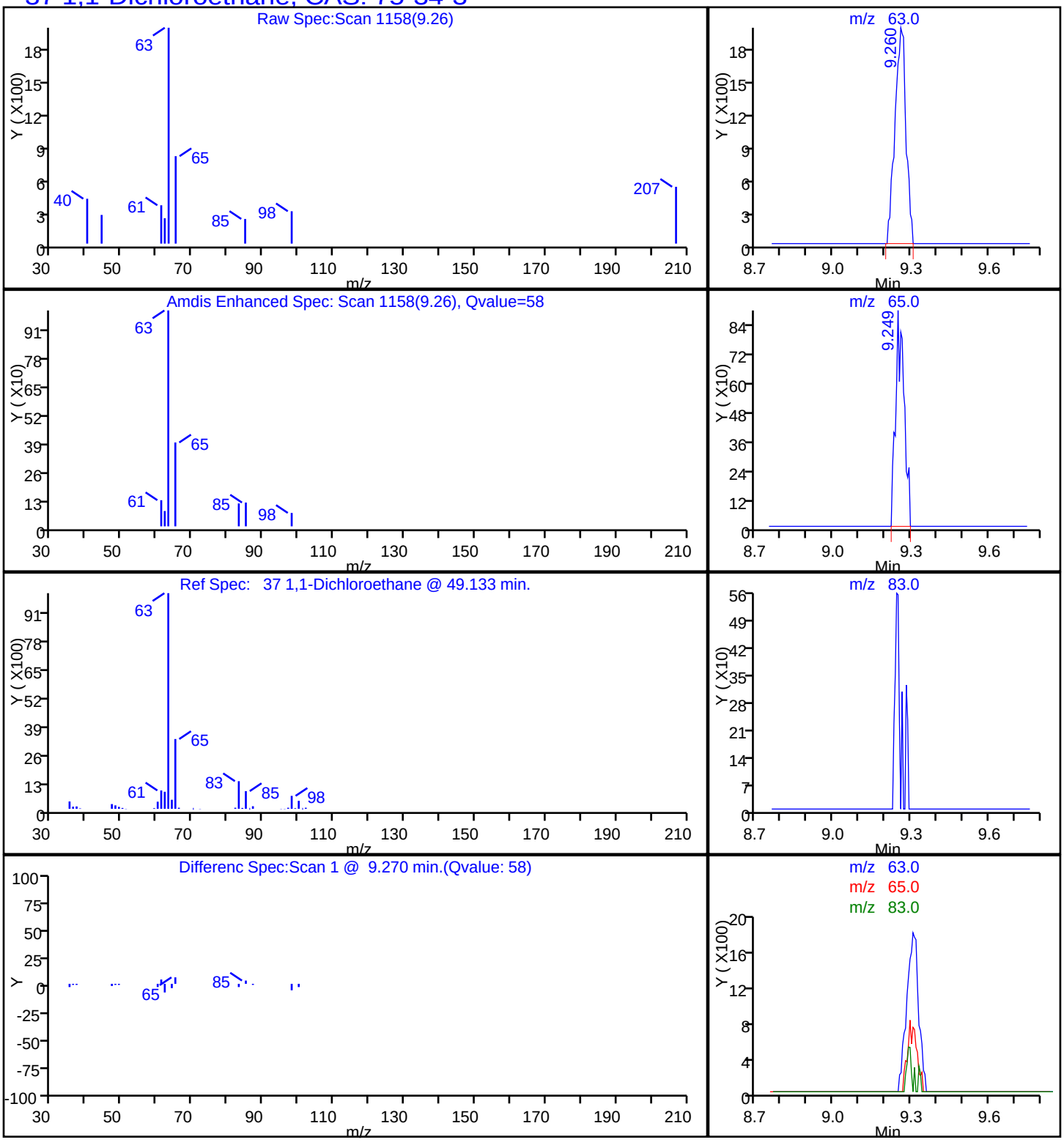
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



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TestAmerica Burlington

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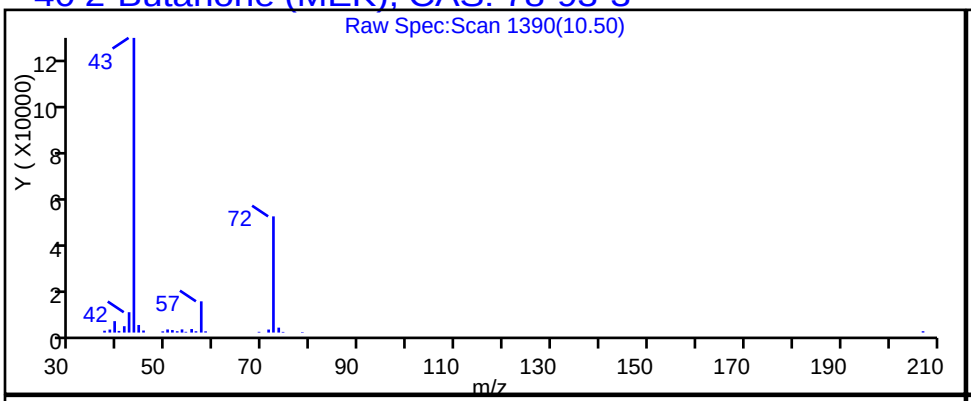
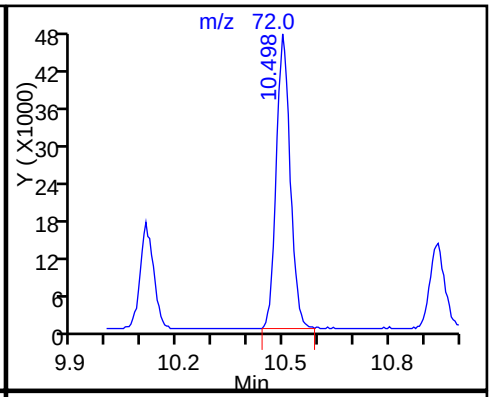
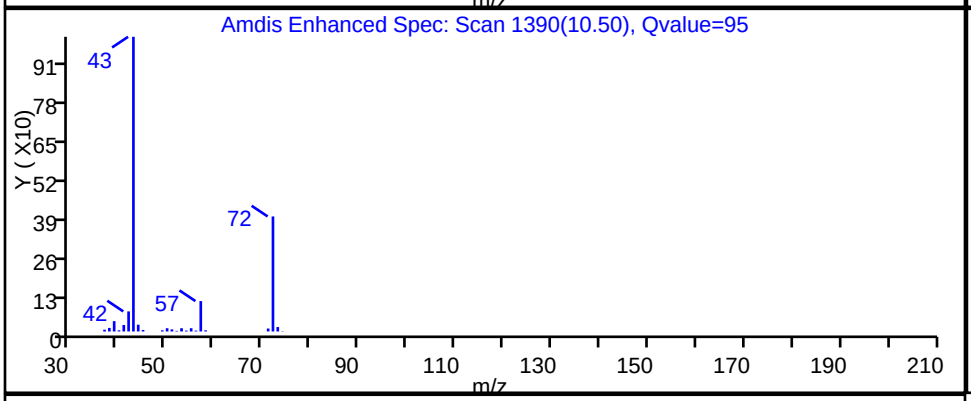
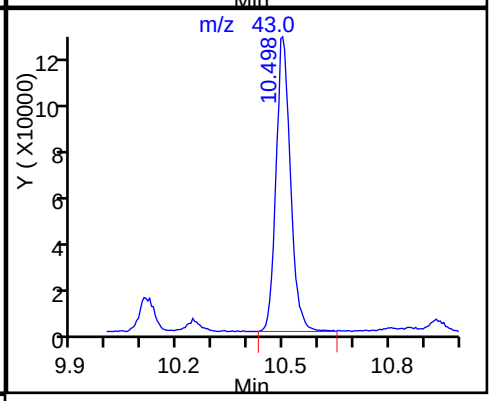
Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

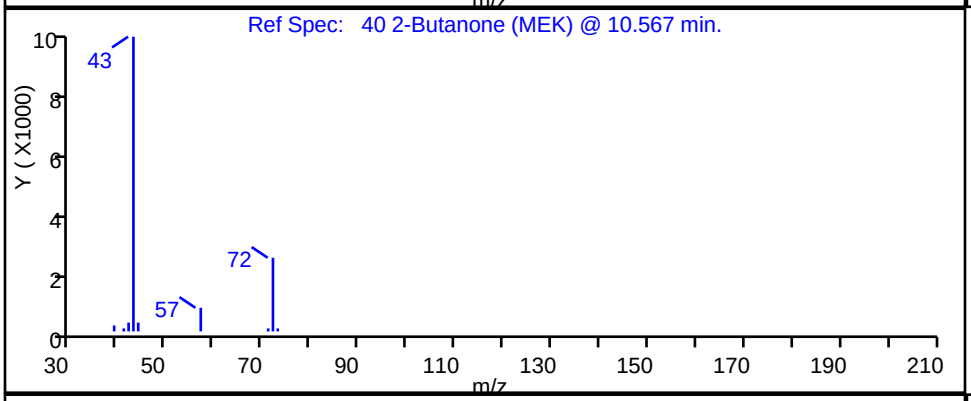
40 2-Butanone (MEK), CAS: 78-93-3

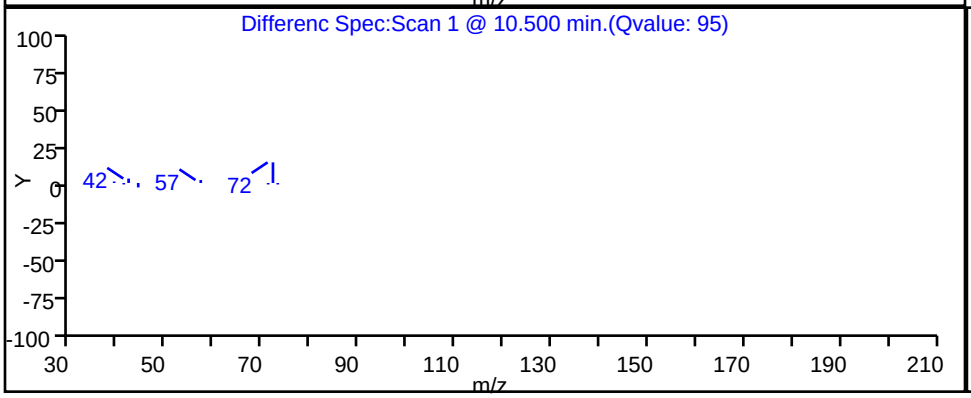


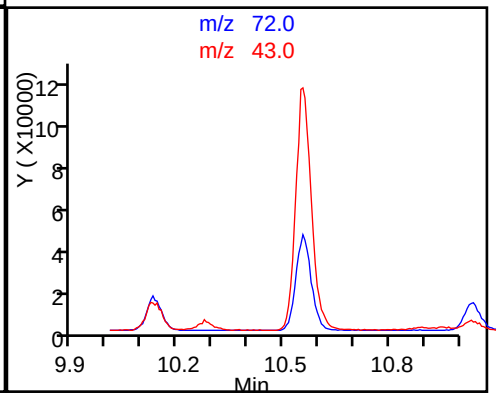












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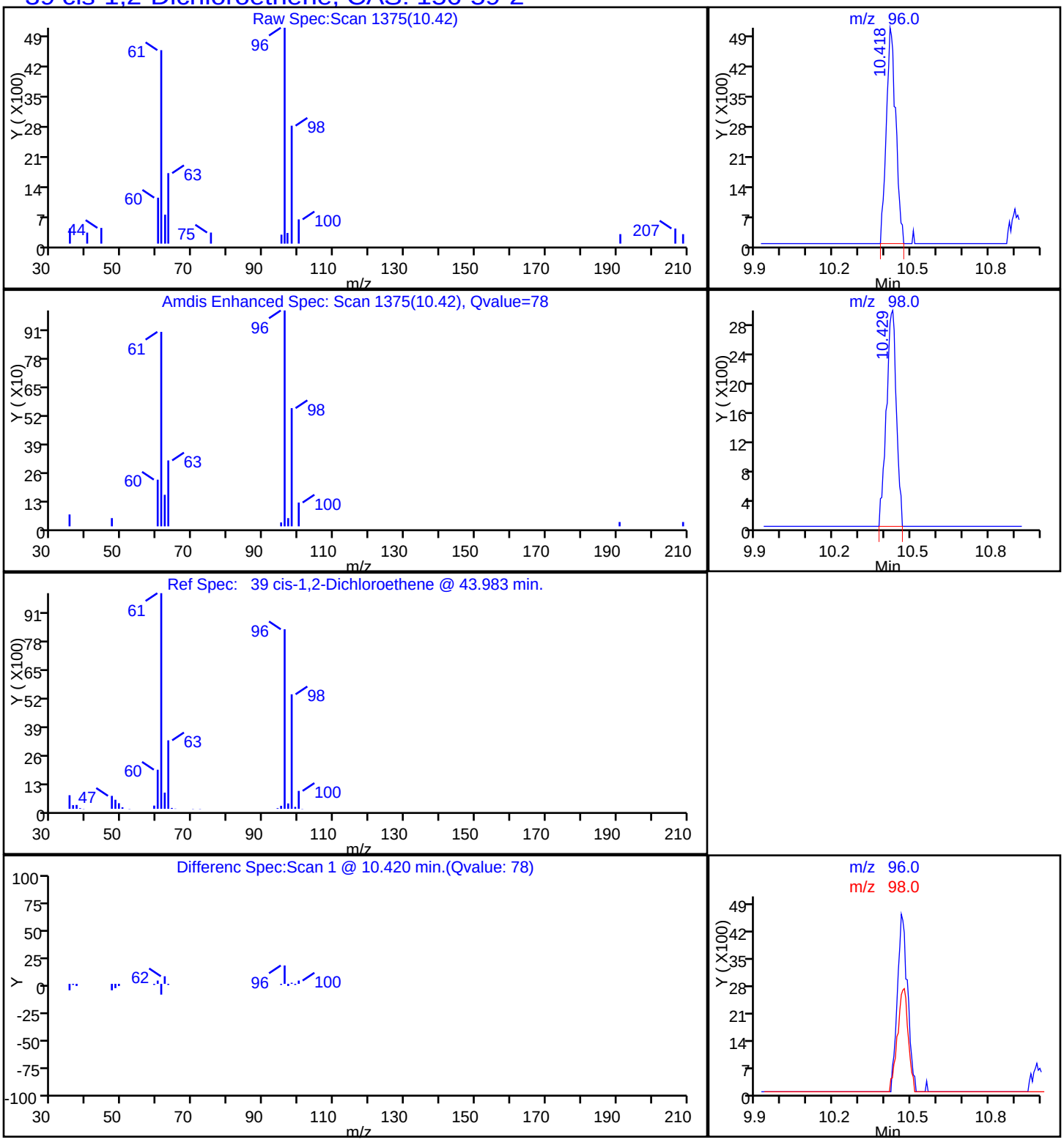
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2



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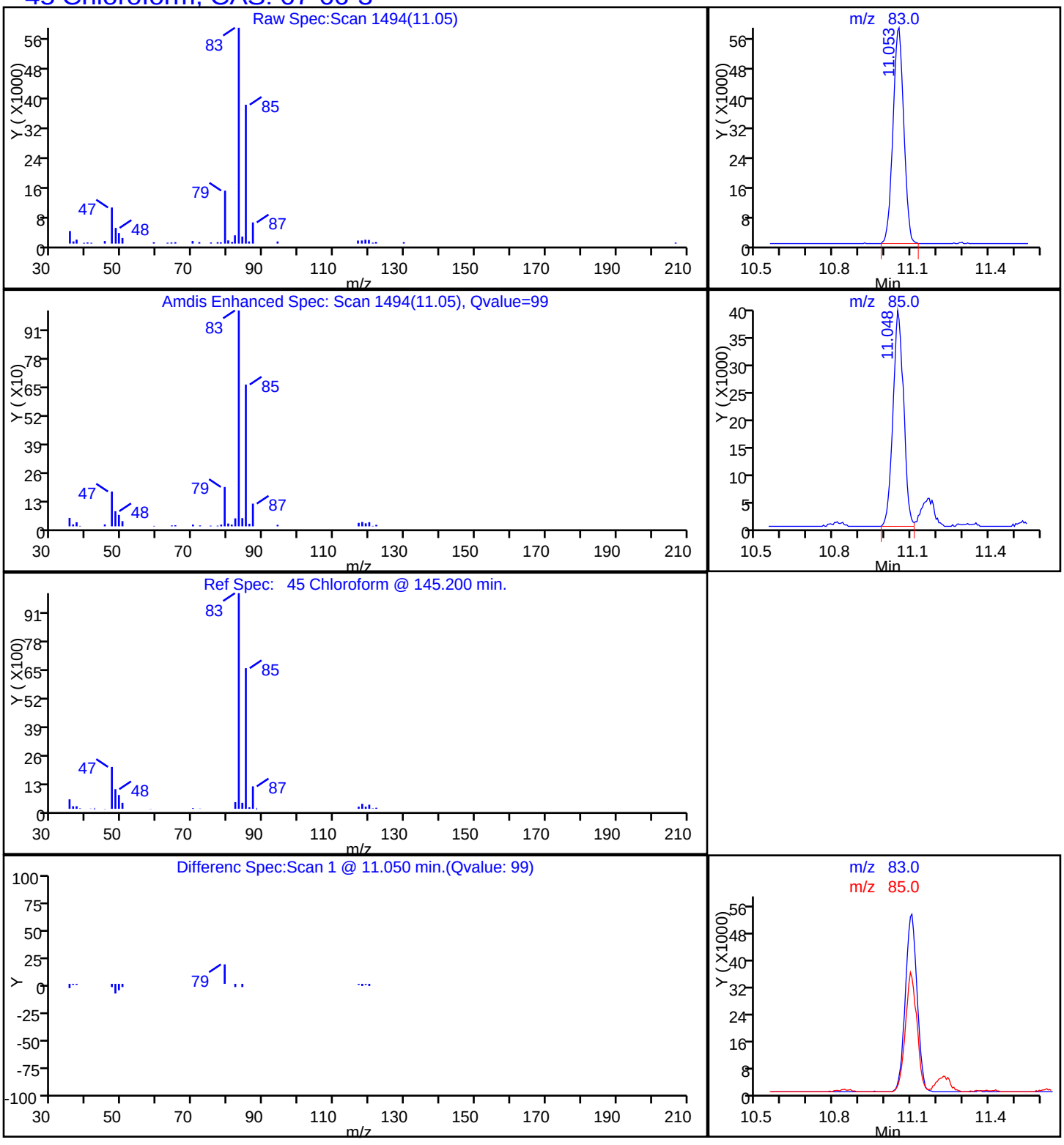
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D

Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



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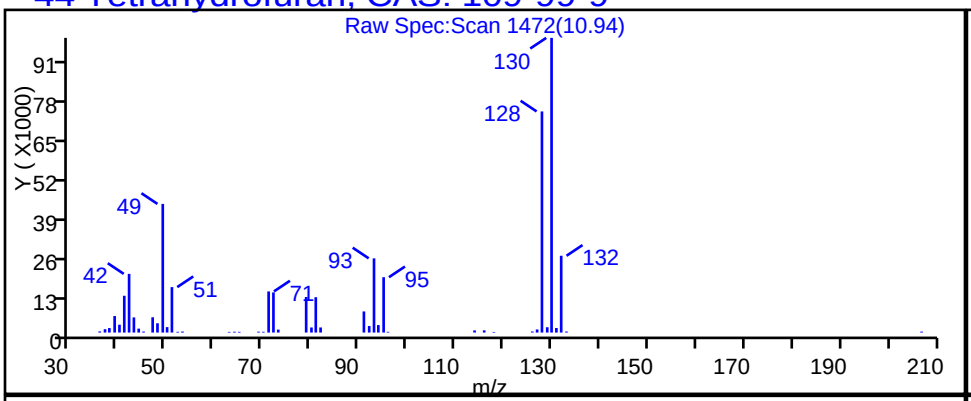
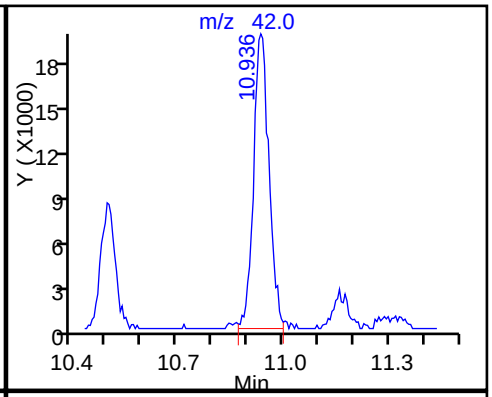
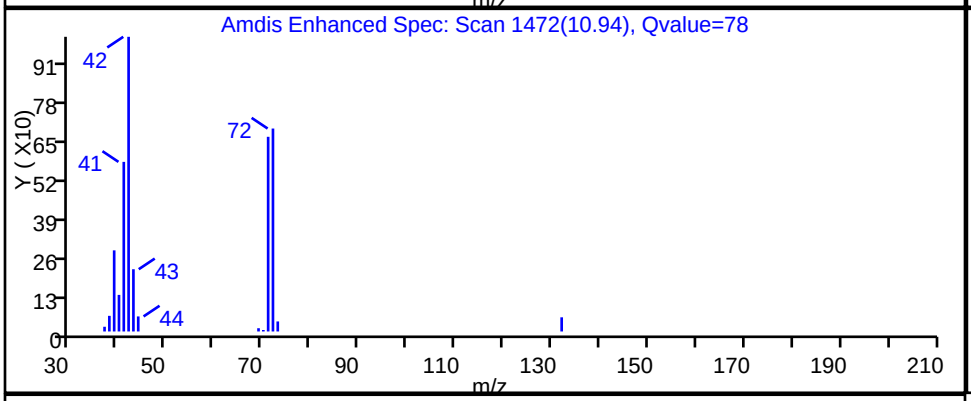
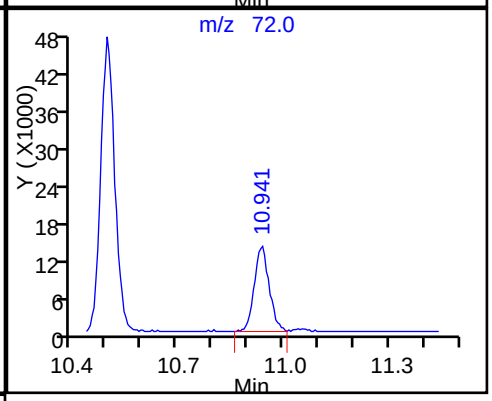
Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

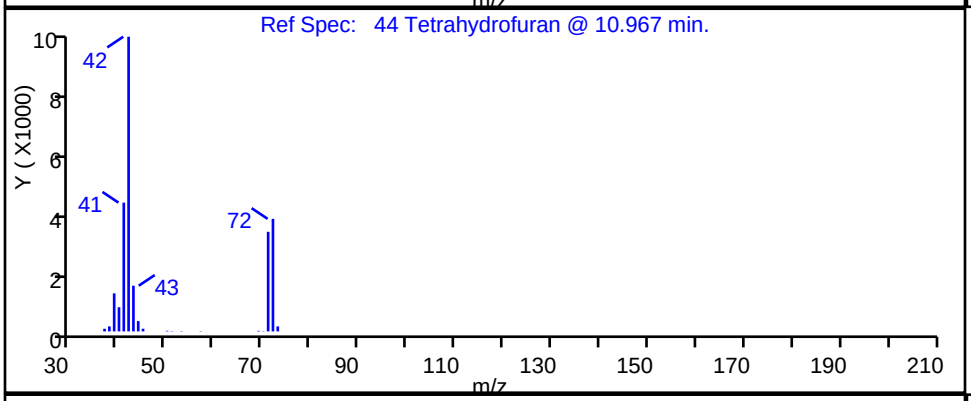
44 Tetrahydrofuran, CAS: 109-99-9

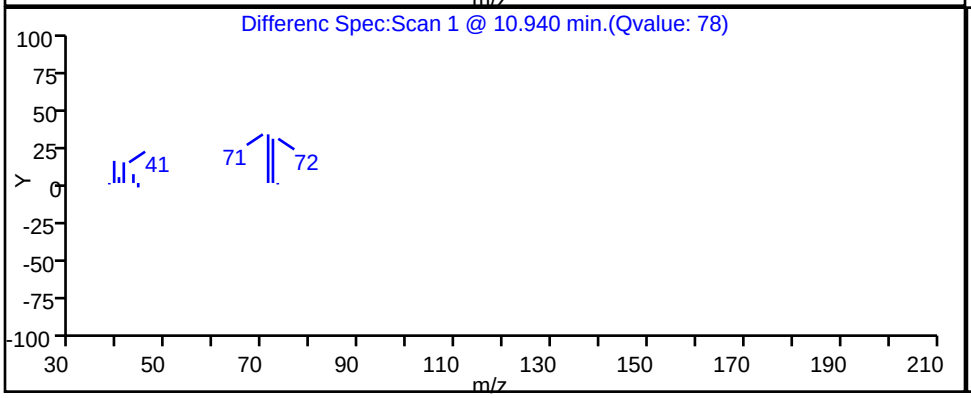


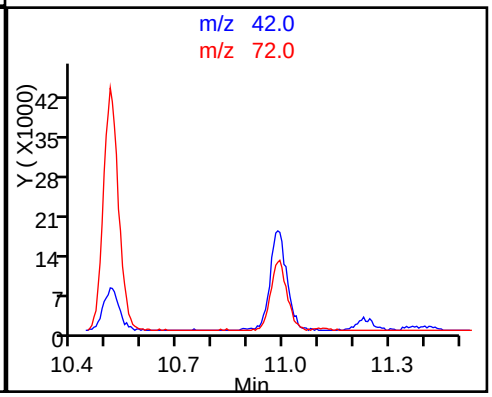












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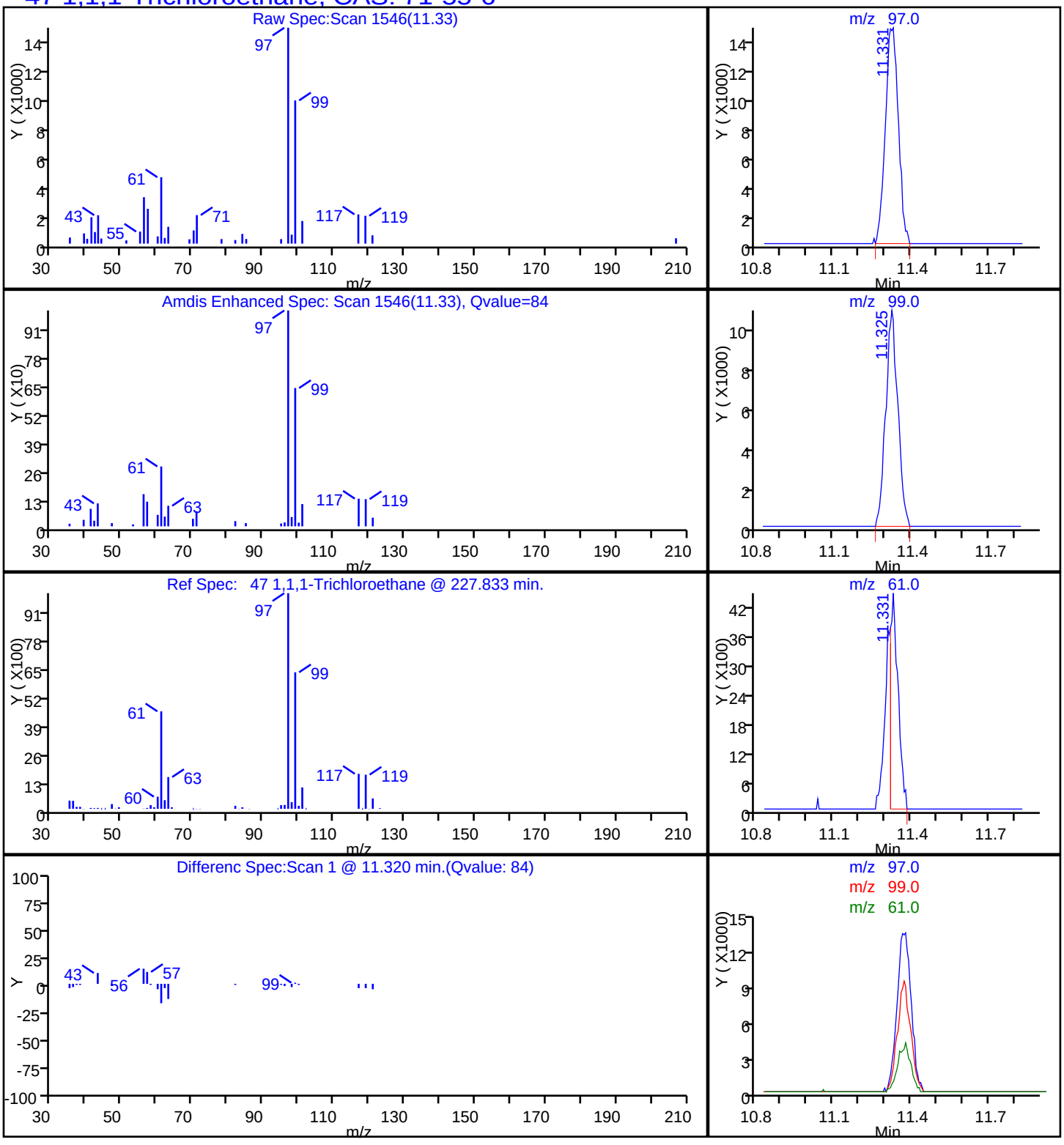
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D

Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



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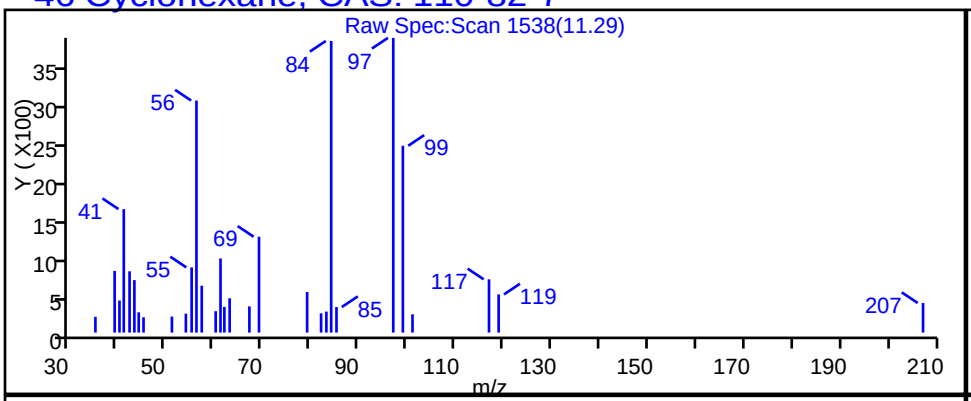
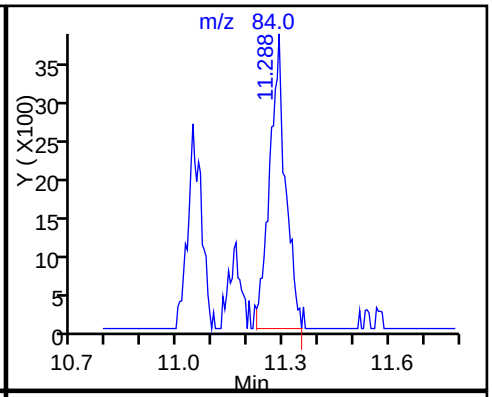
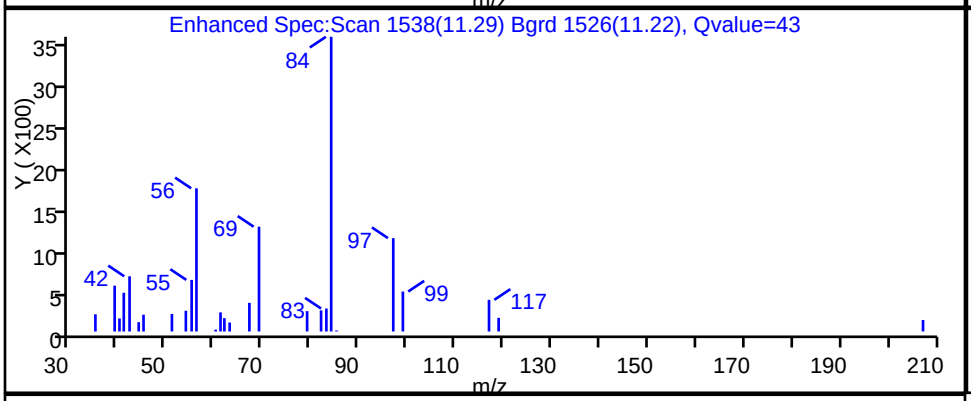
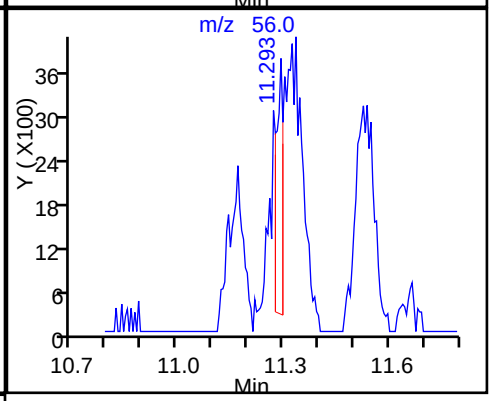
Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

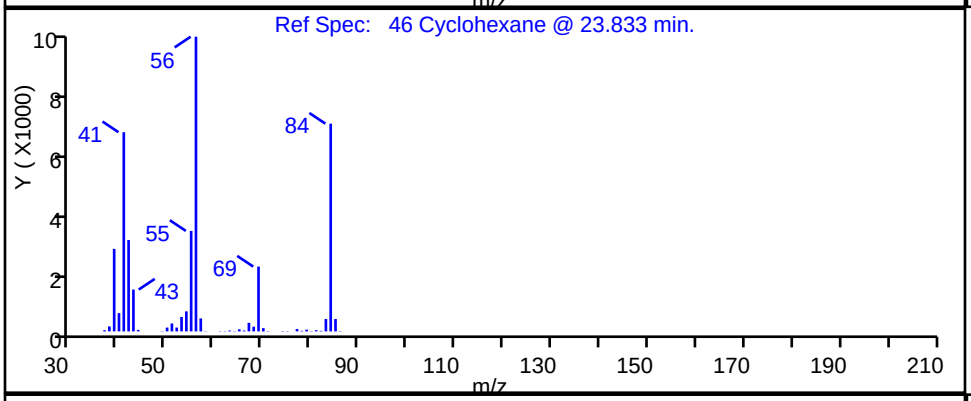
46 Cyclohexane, CAS: 110-82-7

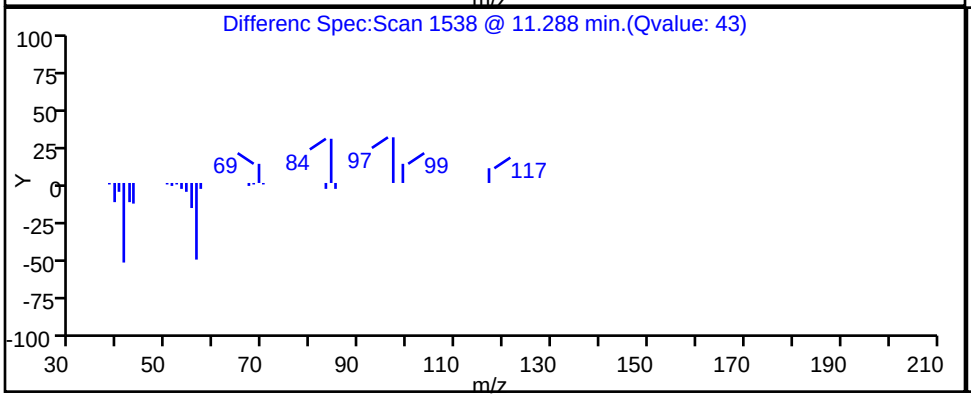


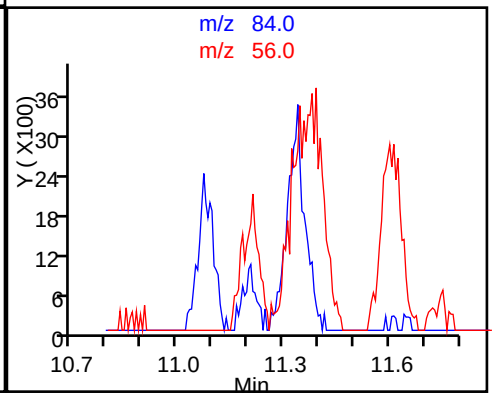












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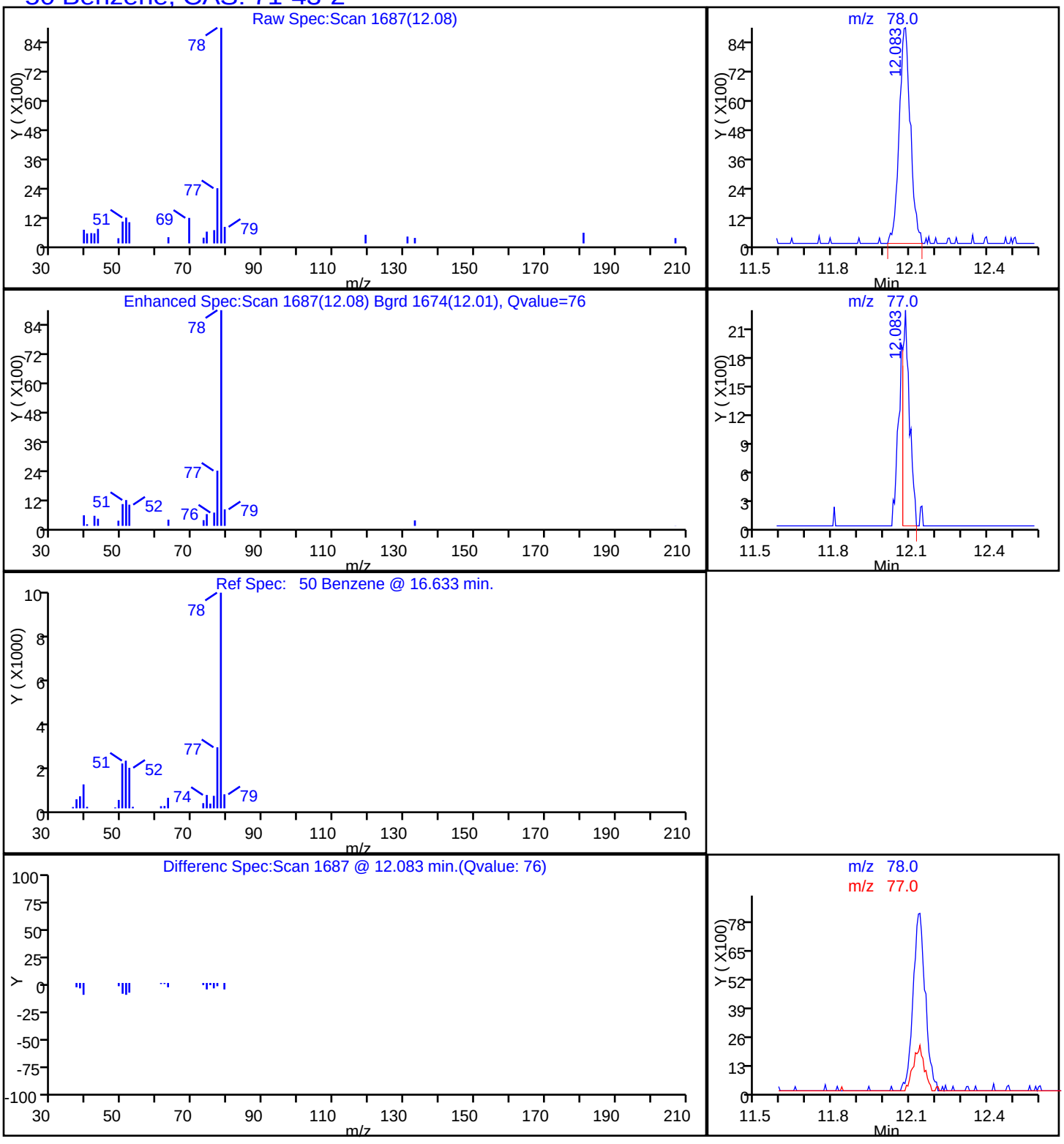
Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



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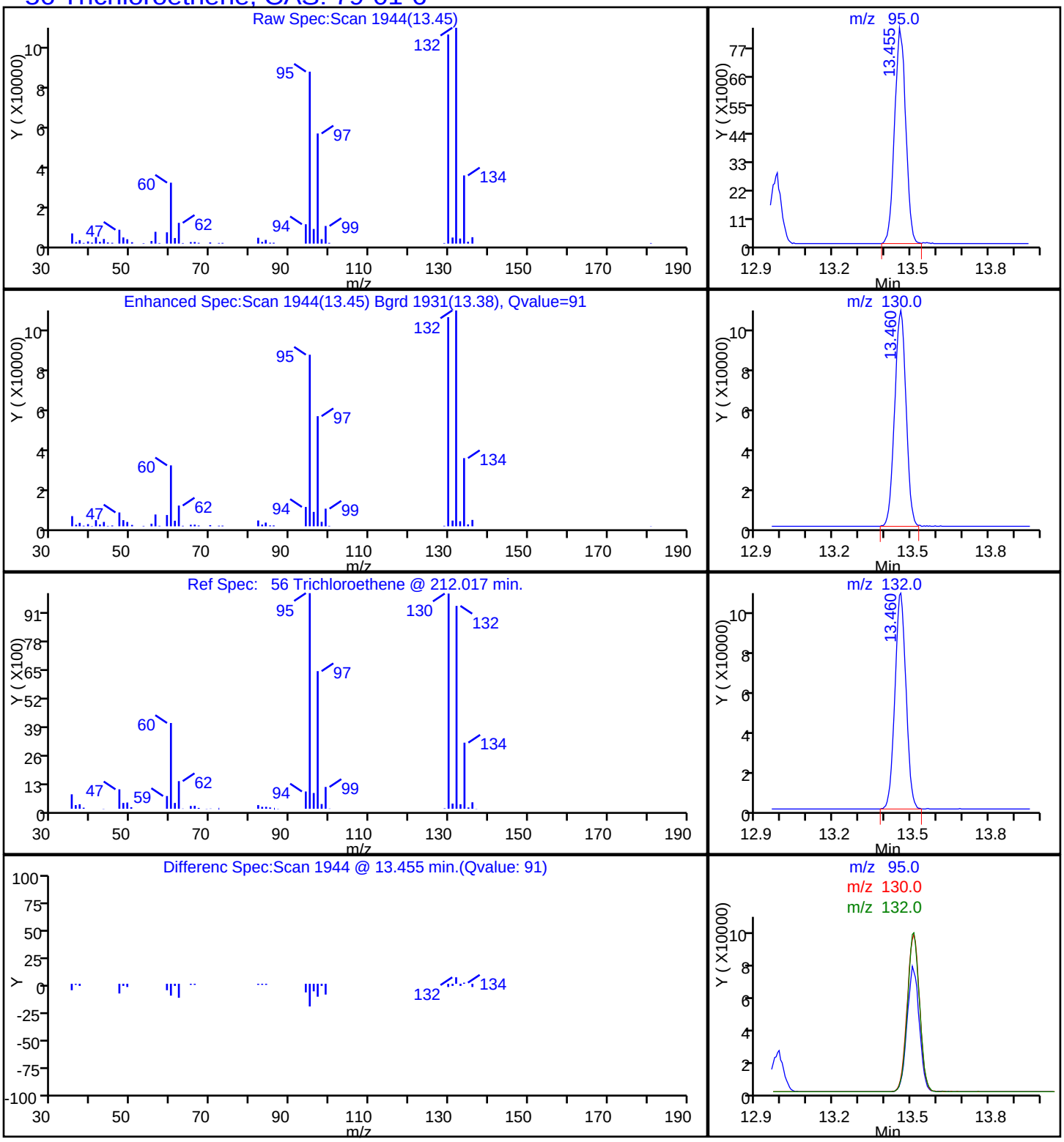
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



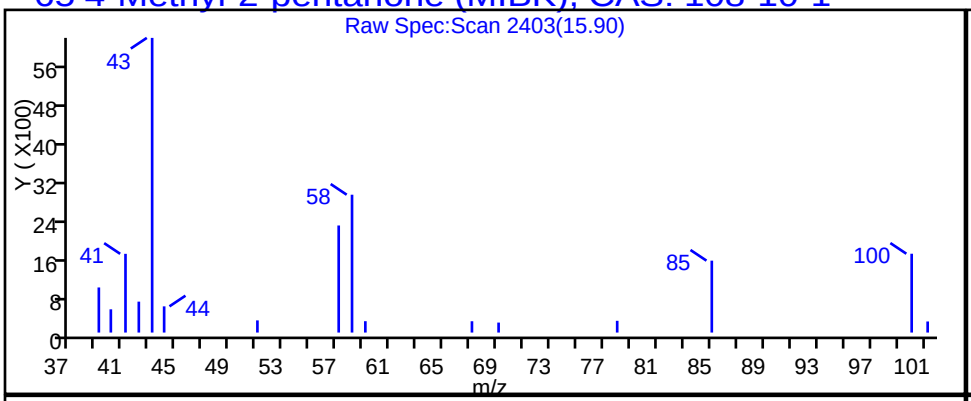
Report Date: 11-Apr-2014 11:49:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

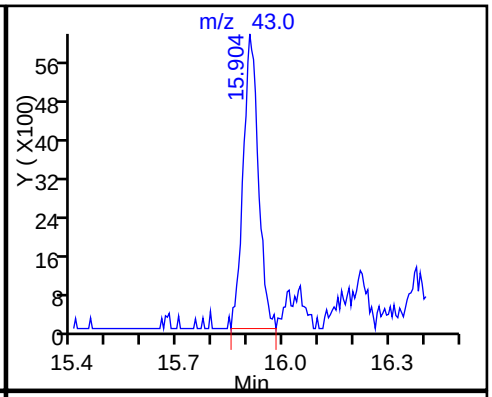
TestAmerica Burlington

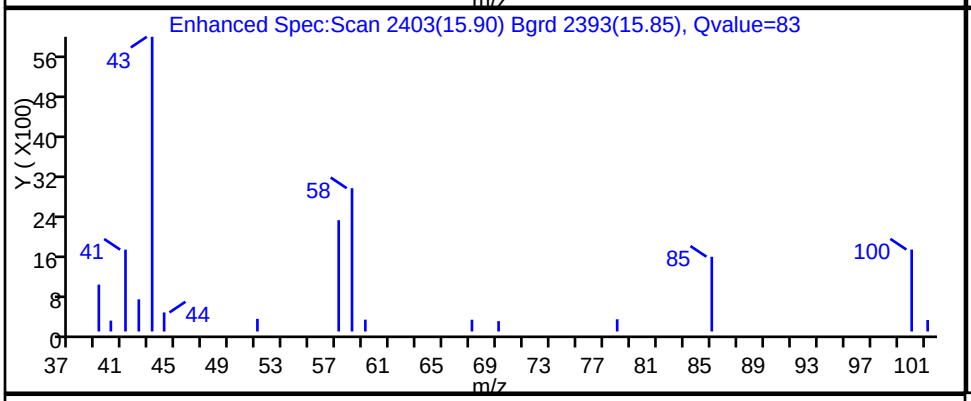
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D

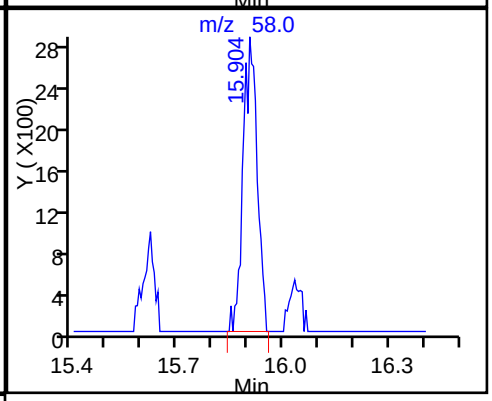
Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

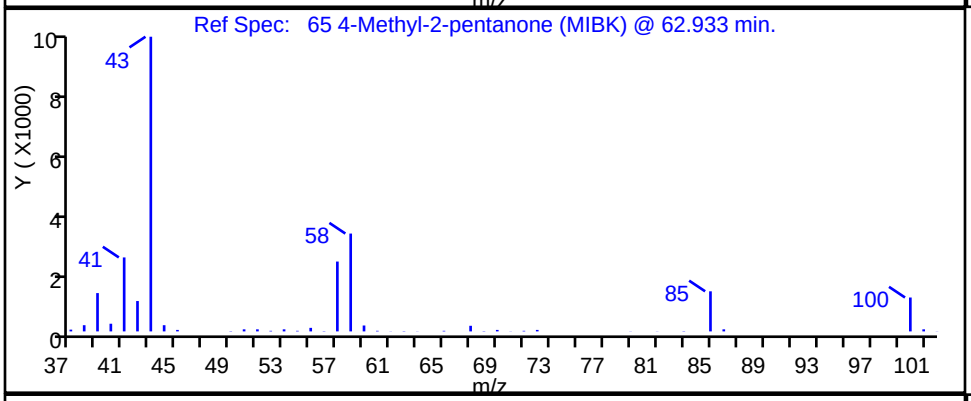
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

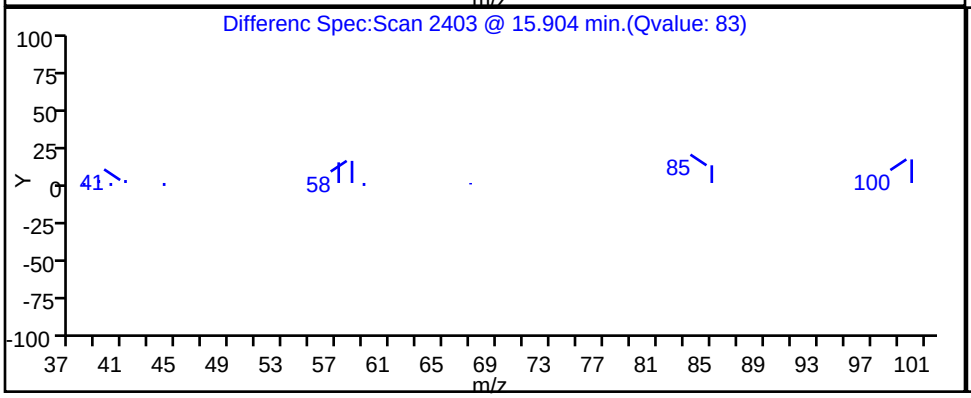


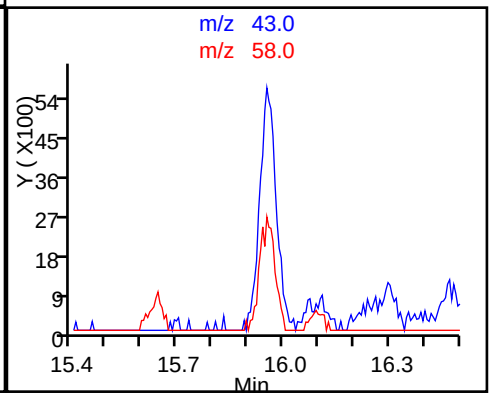












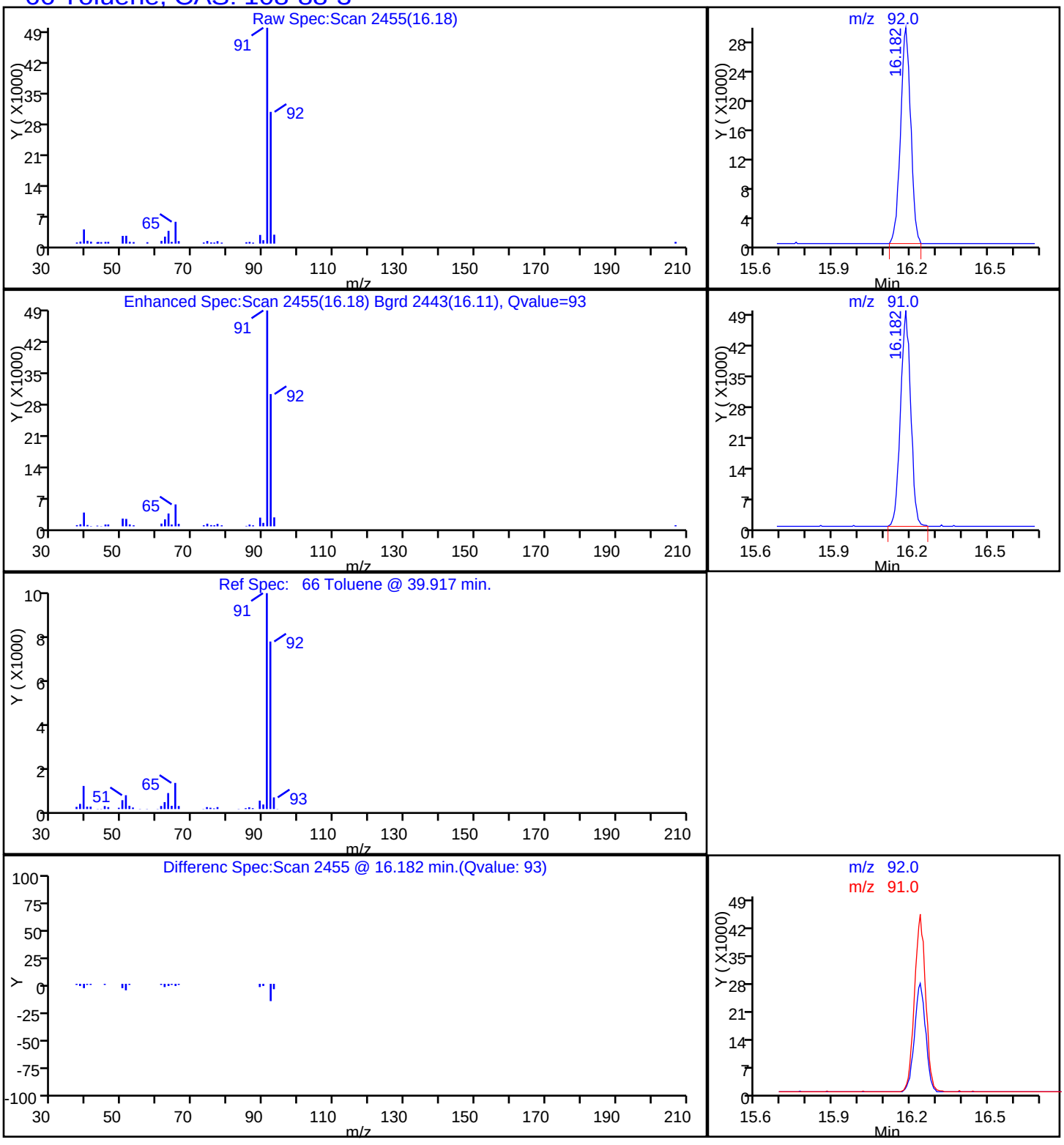
Report Date: 11-Apr-2014 11:49:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D

Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



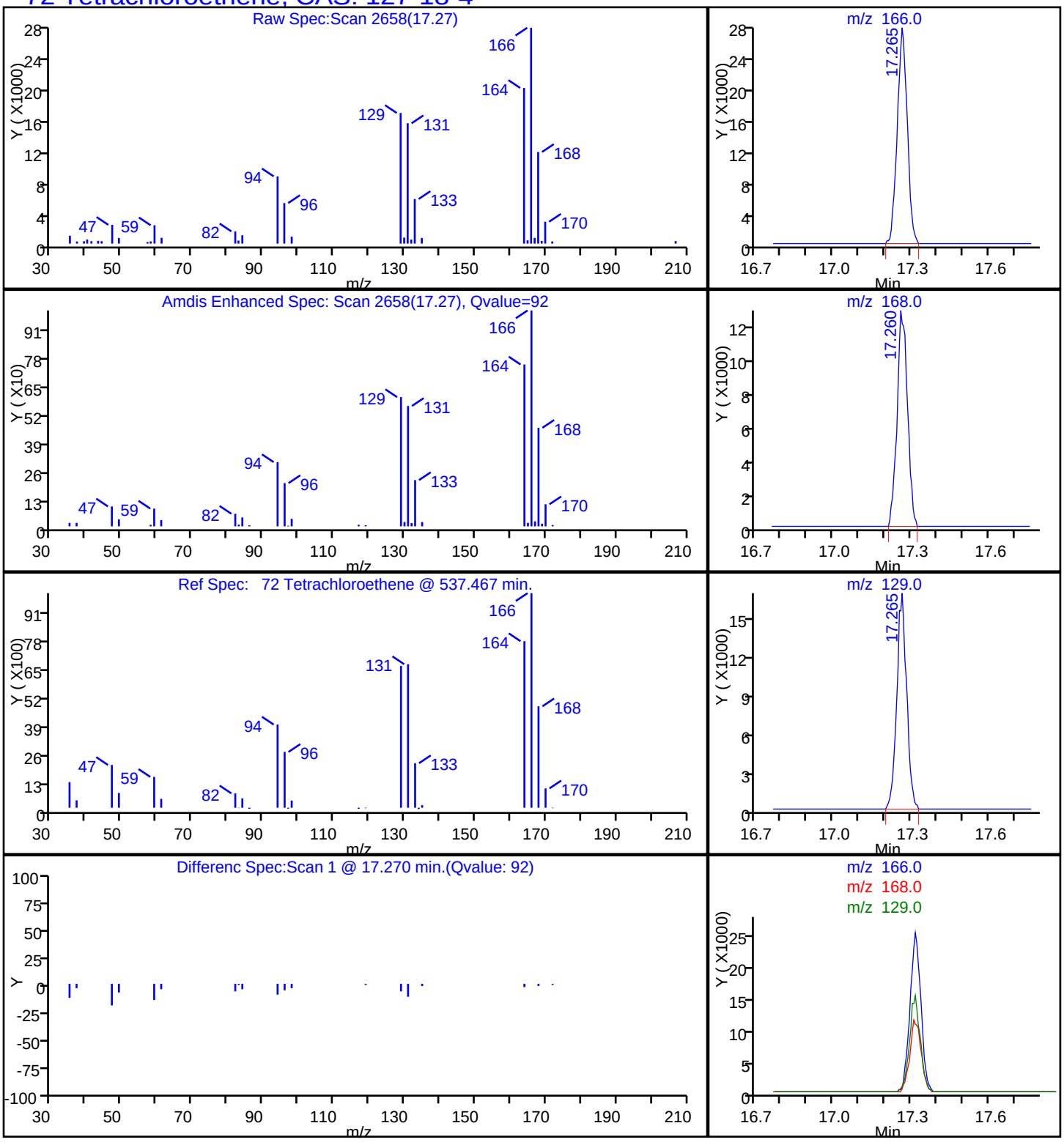
Report Date: 11-Apr-2014 11:49:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D

Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



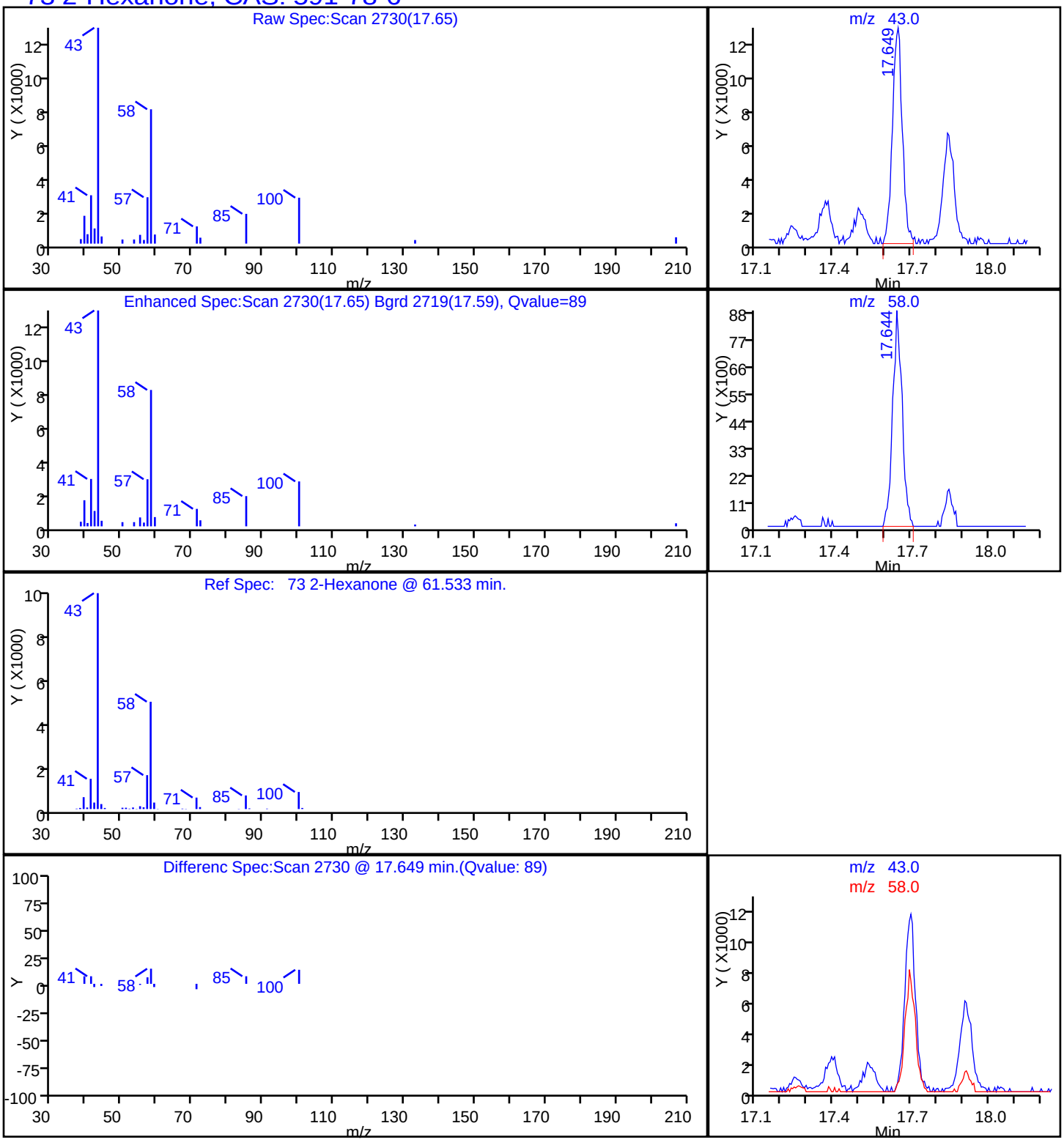
Report Date: 11-Apr-2014 11:49:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D

Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

73 2-Hexanone, CAS: 591-78-6



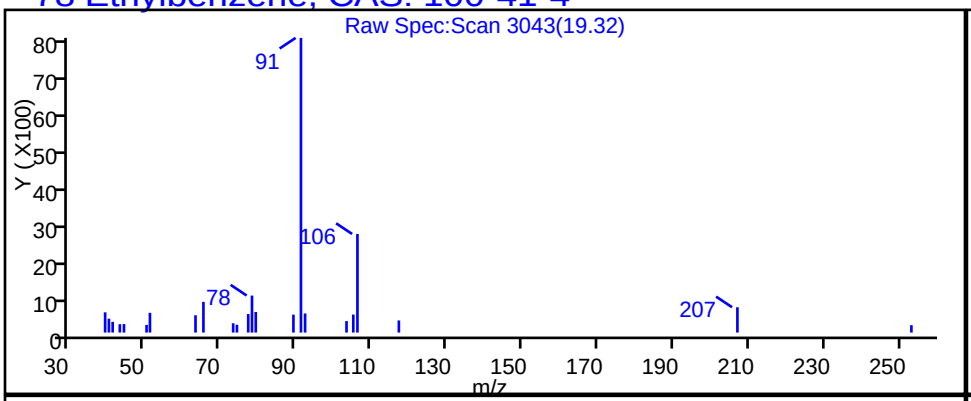
Report Date: 11-Apr-2014 11:49:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

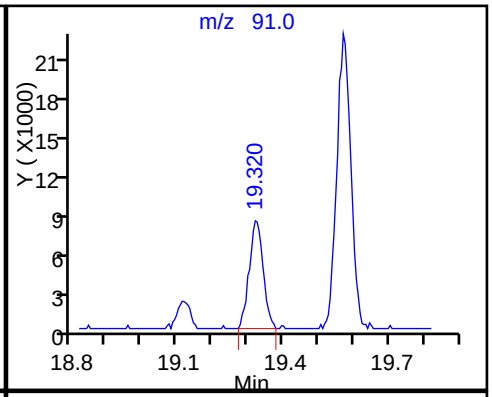
TestAmerica Burlington

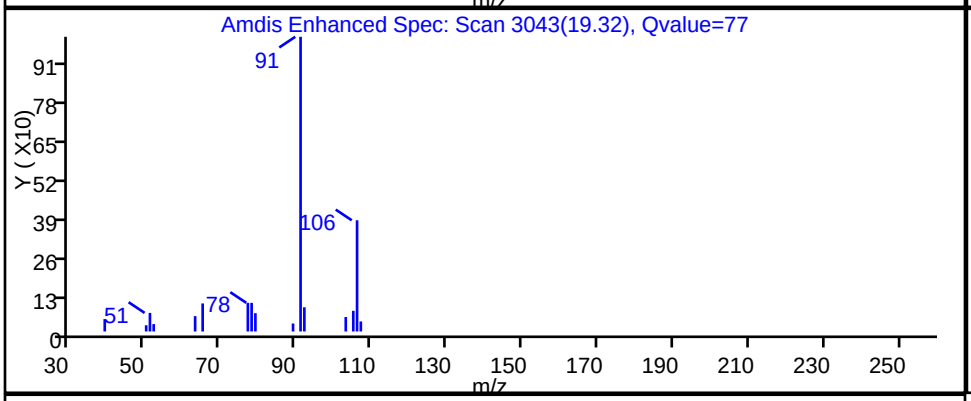
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D

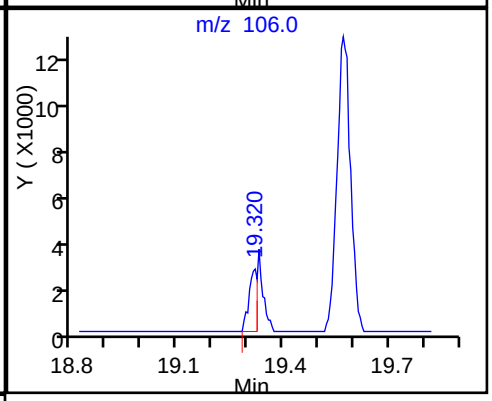
Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

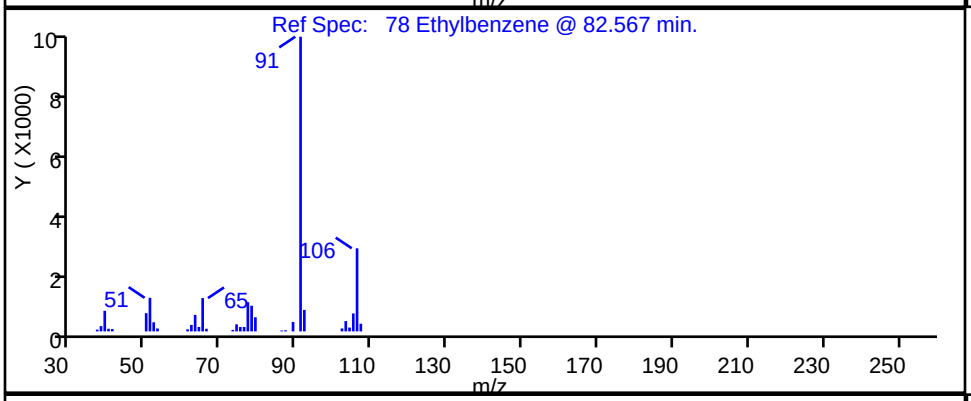
78 Ethylbenzene, CAS: 100-41-4

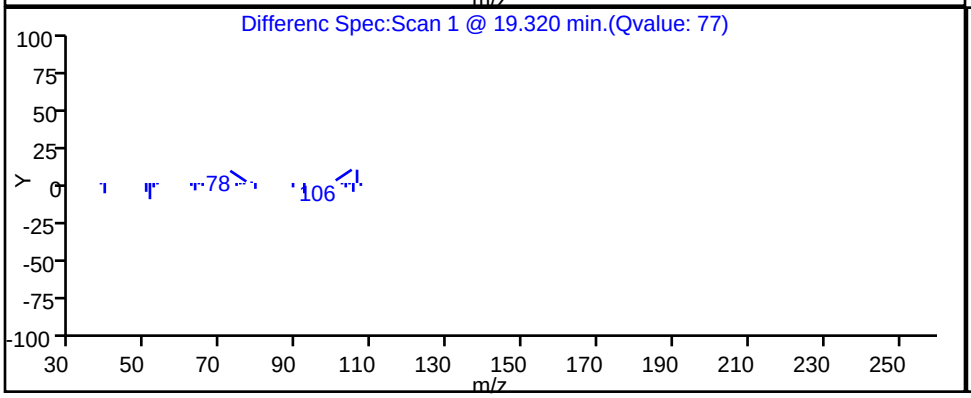


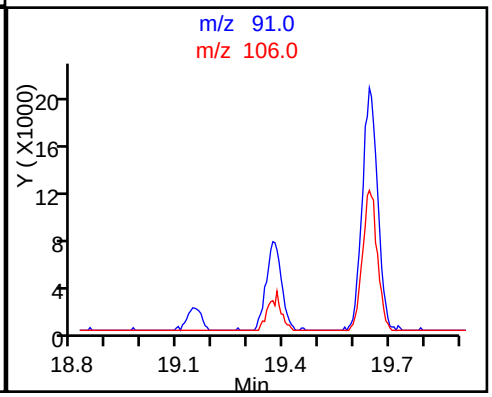












Report Date: 11-Apr-2014 11:49:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D

Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
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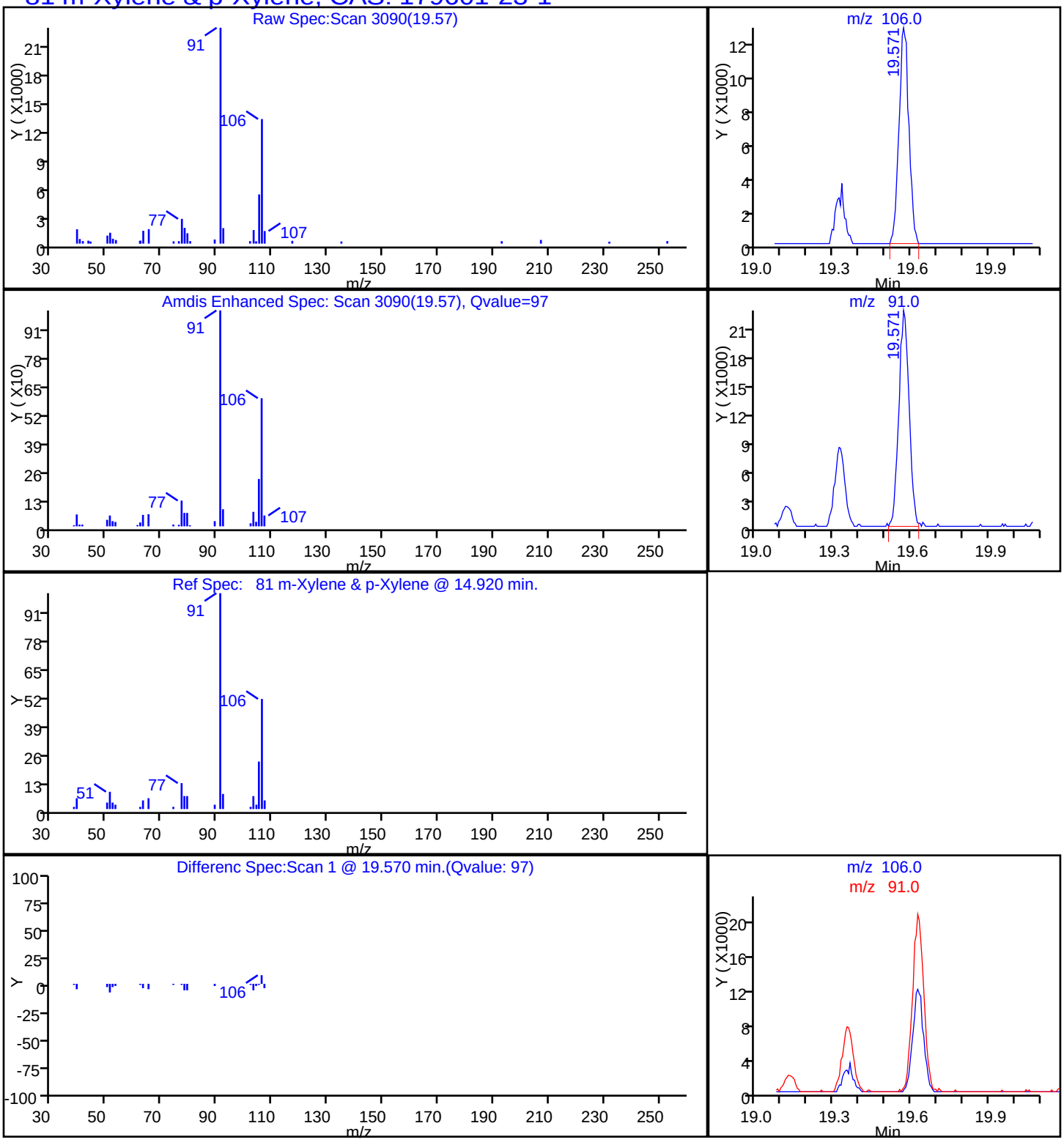
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



Report Date: 11-Apr-2014 11:49:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

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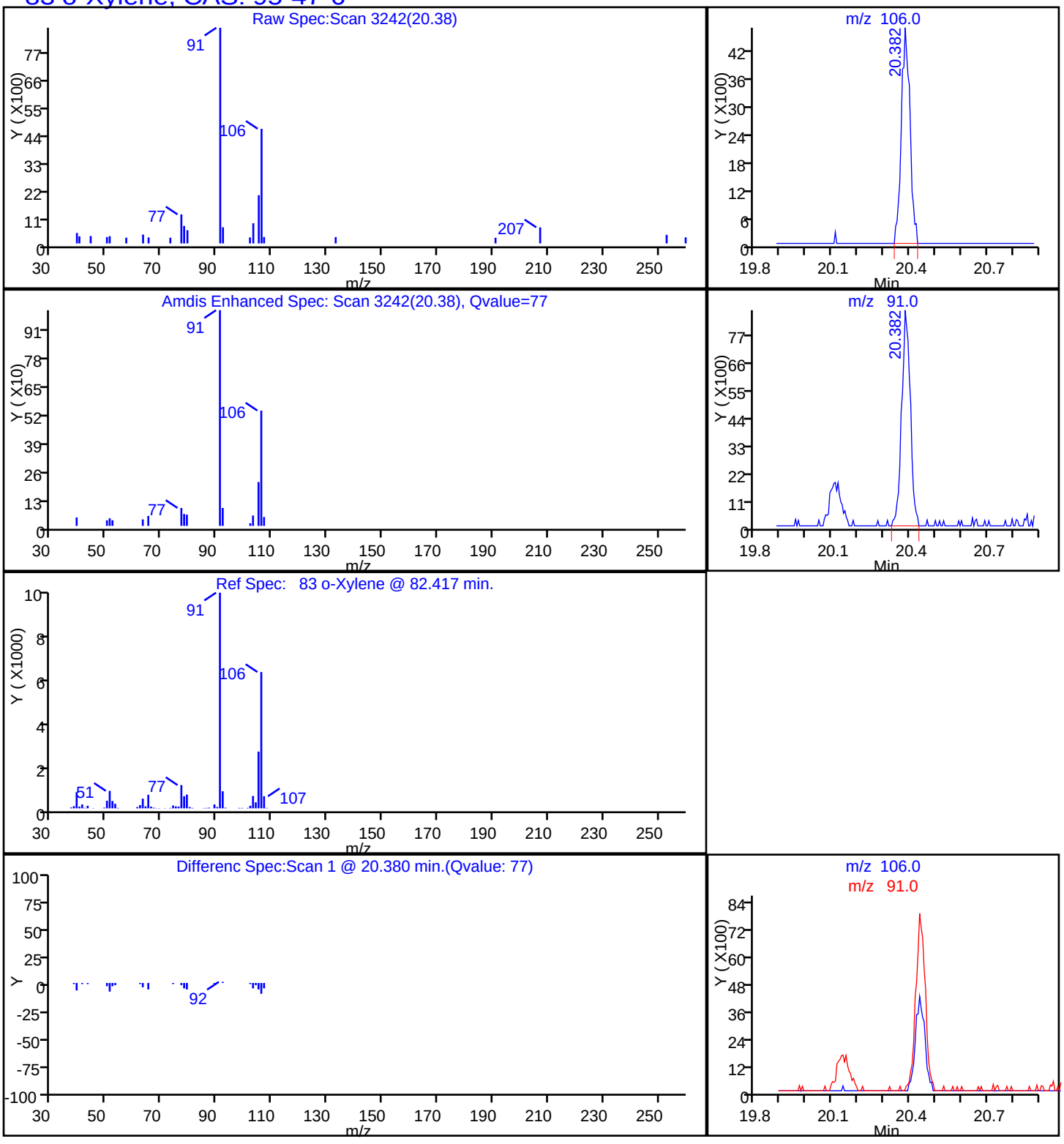
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6

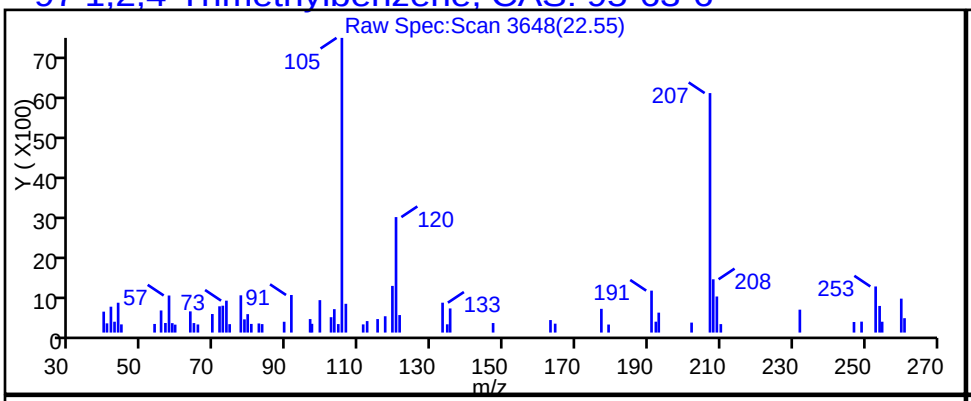


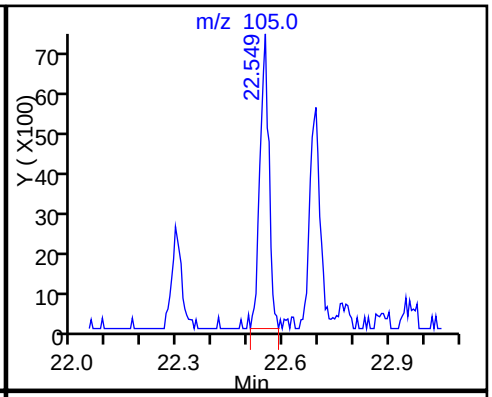
Report Date: 11-Apr-2014 11:49:55 Chrom Revision: 2.2 10-Apr-2014 15:11:30

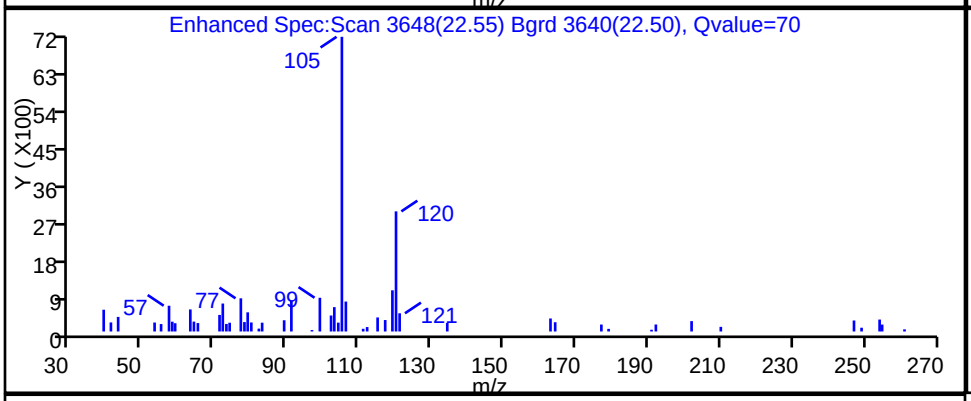
TestAmerica Burlington

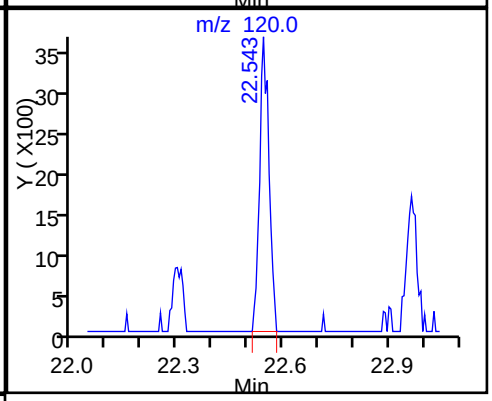
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_22.D				
Injection Date:	11-Apr-2014 07:39:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-11	Lab Sample ID:	200-21727-11		
Client ID:	SDS-8				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

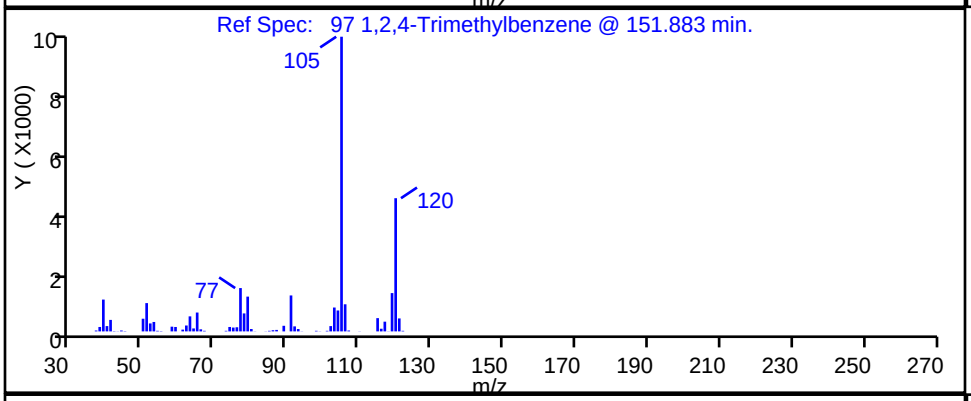
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

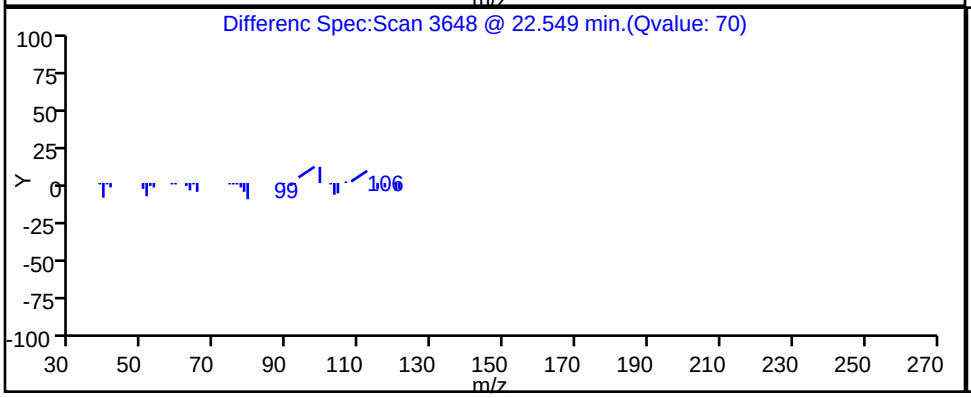


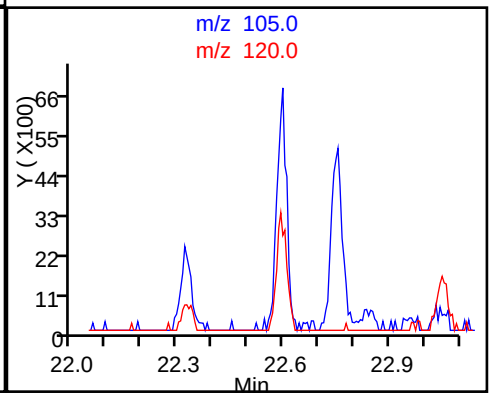












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SSDS POST CARBON Lab Sample ID: 200-21727-12

Matrix: Air Lab File ID: 6977_23.D

Analysis Method: TO-15 Date Collected: 04/04/2014 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 08:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.92		0.50	0.030
75-45-6	Freon 22	86.47	0.77		0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.29	J	0.50	0.14
106-97-8	n-Butane	58.12	1.4		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	2.8		0.20	0.030
76-13-1	Freon 113	187.38	0.26		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	6.8		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	71	E	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	23		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.49		0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.18	J	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.33	J	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.72		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	1.2		0.20	0.064
67-66-3	Chloroform	119.38	2.2		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	2.3	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.50		0.20	0.021
110-82-7	Cyclohexane	84.16	0.94		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.059		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SSDS POST CARBON Lab Sample ID: 200-21727-12

Matrix: Air Lab File ID: 6977_23.D

Analysis Method: TO-15 Date Collected: 04/04/2014 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 08:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.044	J	0.50	0.027
108-88-3	Toluene	92.14	0.34		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.098	J	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.049	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.18	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.057	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.24		0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.015	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.031	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SSDS POST CARBON Lab Sample ID: 200-21727-12

Matrix: Air Lab File ID: 6977_23.D

Analysis Method: TO-15 Date Collected: 04/04/2014 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 08:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SSDS POST CARBON Lab Sample ID: 200-21727-12

Matrix: Air Lab File ID: 6977_23.D

Analysis Method: TO-15 Date Collected: 04/04/2014 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 08:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	4.6		2.5	0.15
75-45-6	Freon 22	86.47	2.7		1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	0.60	J	1.0	0.28
106-97-8	n-Butane	58.12	3.4		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	15		1.1	0.17
76-13-1	Freon 113	187.38	2.0		1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	16		12	3.0
67-63-0	Isopropyl alcohol	60.10	170	E	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	80		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	1.9		0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.73	J	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	0.98	J	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	2.8		0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	4.8		0.79	0.25
67-66-3	Chloroform	119.38	11		0.98	0.12
109-99-9	Tetrahydrofuran	72.11	6.8	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	2.7		1.1	0.11
110-82-7	Cyclohexane	84.16	3.3		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.37		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SSDS POST CARBON Lab Sample ID: 200-21727-12

Matrix: Air Lab File ID: 6977_23.D

Analysis Method: TO-15 Date Collected: 04/04/2014 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 08:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.18	J	2.0	0.11
108-88-3	Toluene	92.14	1.3		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	0.67	J	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.21	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.79	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.25	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	1.0		0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.072	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.15	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SSDS POST CARBON Lab Sample ID: 200-21727-12

Matrix: Air Lab File ID: 6977_23.D

Analysis Method: TO-15 Date Collected: 04/04/2014 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 08:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D
Lims ID: 200-21727-A-12 Lab Sample ID: 200-21727-12
Client ID: SSDS POST CARBON
Sample Type: Client
Inject. Date: 11-Apr-2014 08:31:30 ALS Bottle#: 2 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006977-023
Misc. Info.: 21727-12
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 11:51:41 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 11:51:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.240	3.256	-0.016	87	128631	0.9224	
6 Chlorodifluoromethane	51	3.304	3.315	-0.011	90	36162	0.7715	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50	3.683	3.699	-0.016	93	6672	0.2894	
9 Butane	43	3.902	3.912	-0.010	97	53398	1.45	
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.049					
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101	5.556	5.567	-0.011	86	475442	2.75	
23 1,1,2-Trichloro-1,2,2-trif	101	6.698	6.714	-0.016	84	26724	0.2563	
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43	7.024	7.034	-0.010	87	274195	6.82	
26 Carbon disulfide	76	7.130	7.141	-0.011	82	4563	0.0460	
27 Isopropyl alcohol	45	7.339	7.355	-0.016	98	2090469	70.9	E
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.883	7.894	-0.011	76	668968	23.0	
32 2-Methyl-2-propanol	59		8.155					
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61	8.331	8.342	-0.011	83	23474	0.4854	
36 Hexane	57		8.732					
37 1,1-Dichloroethane	63	9.249	9.260	-0.011	71	12474	0.1807	
S 41 1,2-Dichloroethene, Total	61				0		1.20	
39 cis-1,2-Dichloroethene	96	10.418	10.418	0.000	88	43844	0.7165	
40 2-Butanone (MEK)	72	10.493	10.498	-0.005	91	7560	0.3309	
* 43 Chlorobromomethane	128	10.898	10.909	-0.011	63	541305	10.0	
44 Tetrahydrofuran	42	10.920	10.925	-0.005	75	67787	2.32	
45 Chloroform	83	11.042	11.048	-0.006	93	280122	2.20	
46 Cyclohexane	84	11.277	11.283	-0.006	75	71121	0.9443	
47 1,1,1-Trichloroethane	97	11.320	11.325	-0.005	90	81187	0.5026	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.571	11.581	-0.010	71	11545	0.0586	
51 Isooctane	57		12.035					
50 Benzene	78	12.072	12.083	-0.011	3	2687	0.0156	
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43		12.451					
* 54 1,4-Difluorobenzene	114	12.969	12.980	-0.011	91	2906422	10.0	
56 Trichloroethene	95		13.460					
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69		14.234					
60 1,4-Dioxane	88		14.303					
62 Dichlorobromomethane	83		14.629					
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43	15.899	15.894	0.005	66	4248	0.0440	
66 Toluene	92	16.177	16.182	-0.005	91	55364	0.3368	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166	17.260	17.265	-0.005	82	20818	0.0983	
73 2-Hexanone	43		17.639					
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.112	19.117	-0.005	81	2884566	10.0	
77 Chlorobenzene	112		19.181					
78 Ethylbenzene	91	19.315	19.325	-0.010	77	19051	0.0491	
81 m-Xylene & p-Xylene	106	19.565	19.576	-0.011	99	30601	0.1829	
S 82 Xylenes, Total	106				0		0.2395	
83 o-Xylene	106	20.382	20.387	-0.005	74	9259	0.0566	
84 Styrene	104	20.435	20.435	0.000	47	4392	0.0174	
85 Bromoform	173		20.836					
$ 87 4-Bromofluorobenzene	95	21.369	21.375	-0.006	95	1832491	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91		21.706					
91 4-Ethyltoluene	105	21.882	21.882	0.000	53	7710	0.0158	
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105	21.983	21.983	0.000	52	6291	0.0146	
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105	22.543	22.549	-0.006	76	13460	0.0306	
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119		22.965					
100 1,3-Dichlorobenzene	146		23.008					
101 1,4-Dichlorobenzene	146	23.147	23.141	0.006	53	4331	0.0118	
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
105 1,2-Dichlorobenzene	146		23.696					
107 1,2,4-Trichlorobenzene	180	26.333	26.322	0.011	11	4344	0.0157	
108 Hexachlorobutadiene	225	26.514	26.509	0.005	54	5475	0.0214	
109 Naphthalene	128		26.850					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

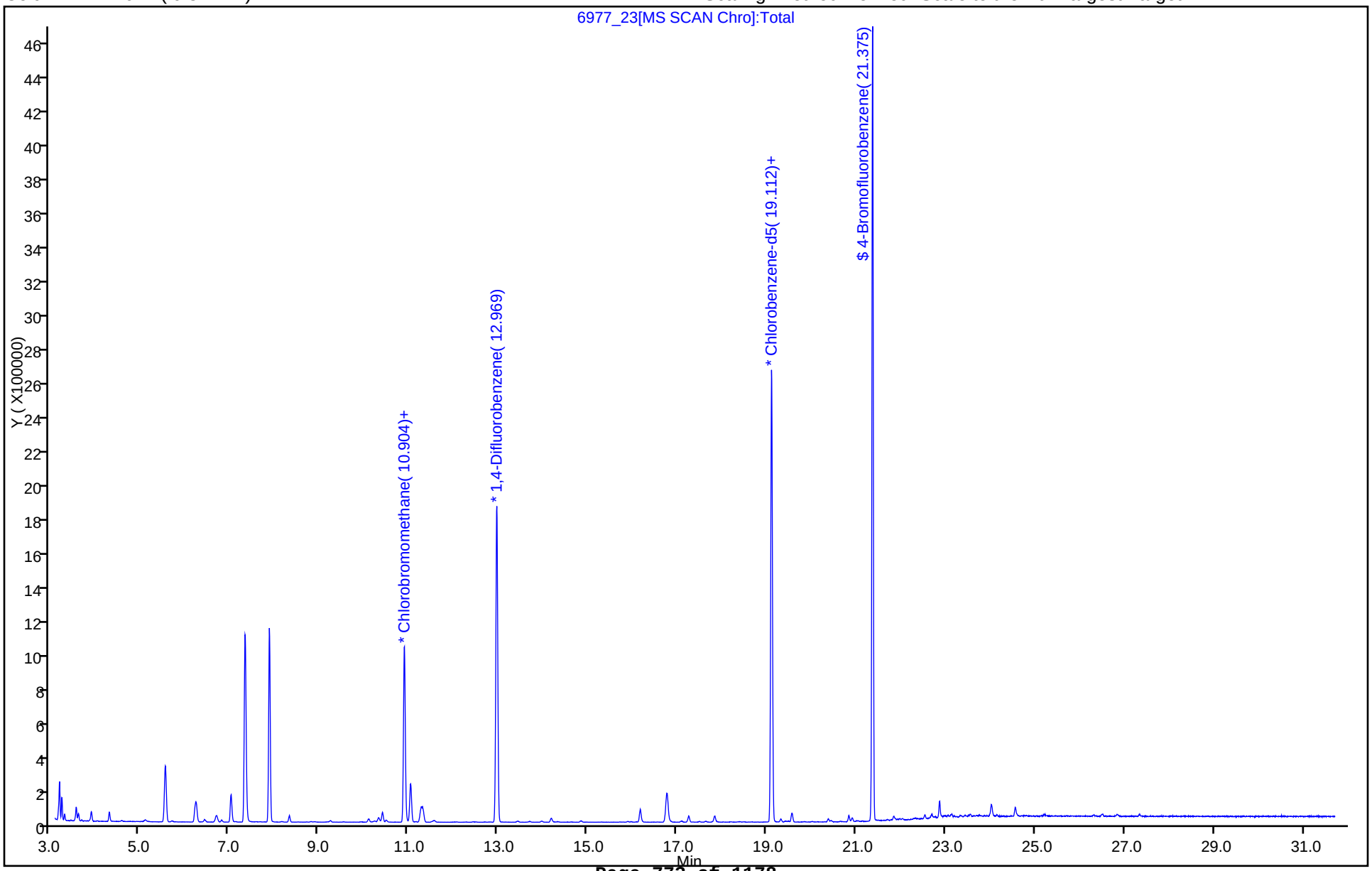
Report Date: 11-Apr-2014 11:51:42 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12	Worklist Smp#:	23
Client ID:	SSDS POST CARBON				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



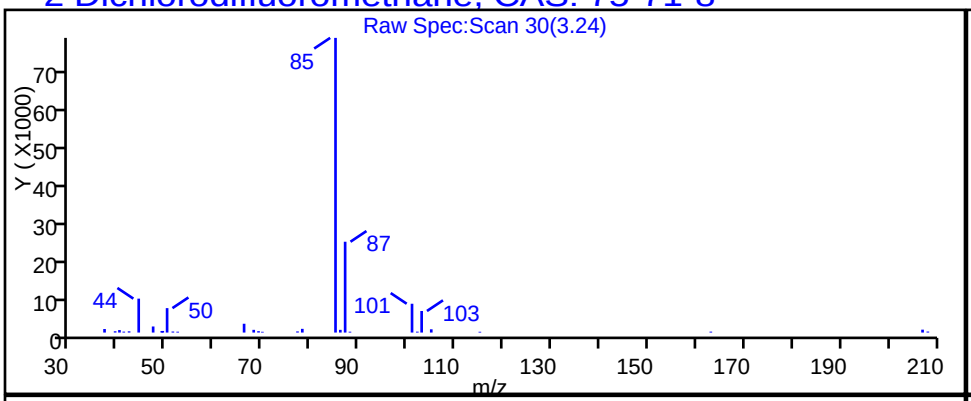
Report Date: 11-Apr-2014 11:51:42 Chrom Revision: 2.2 10-Apr-2014 15:11:30

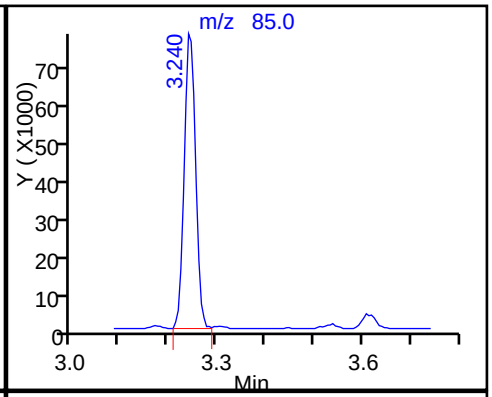
TestAmerica Burlington

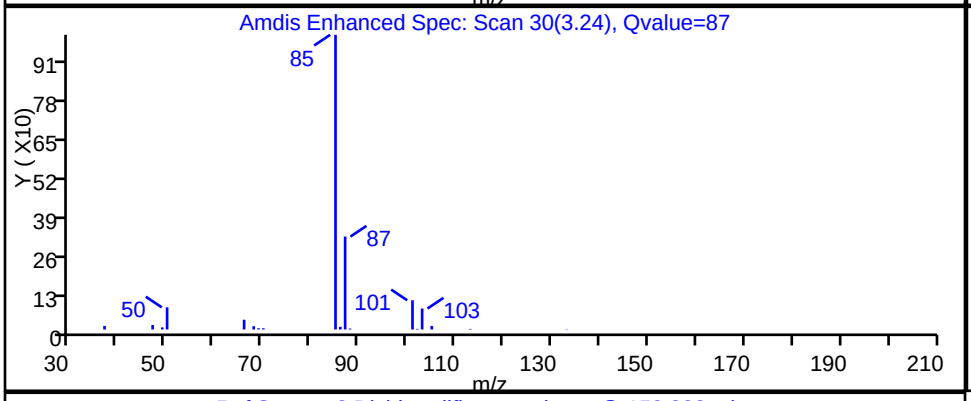
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

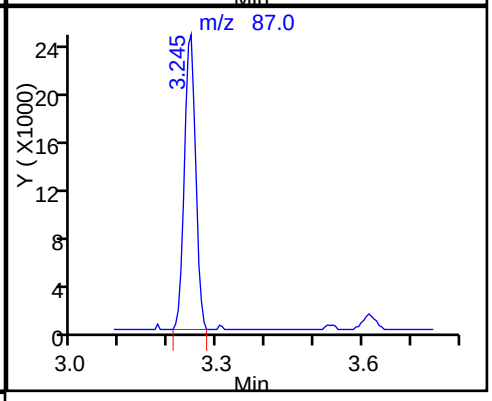
Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

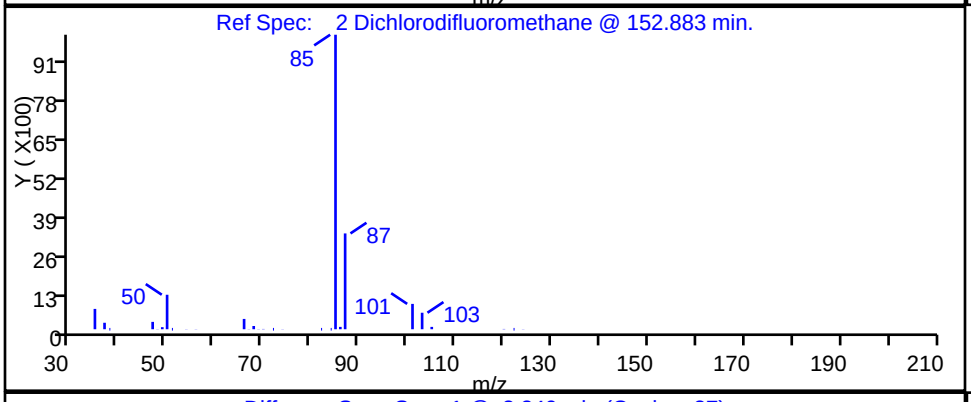
2 Dichlorodifluoromethane, CAS: 75-71-8

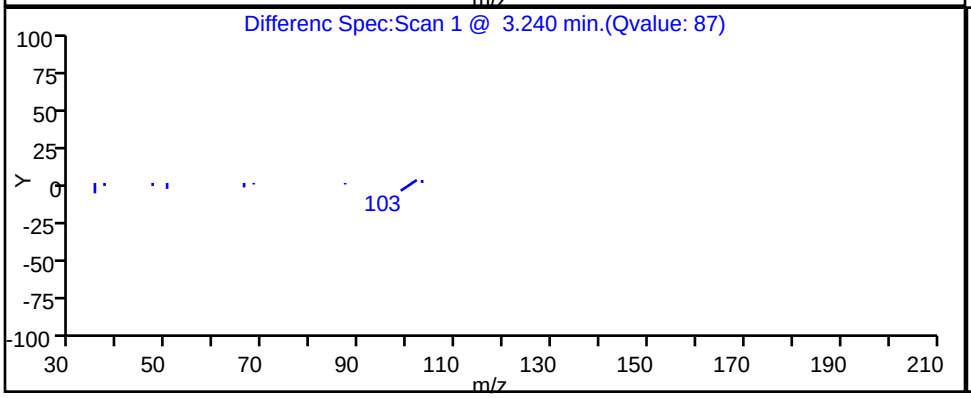


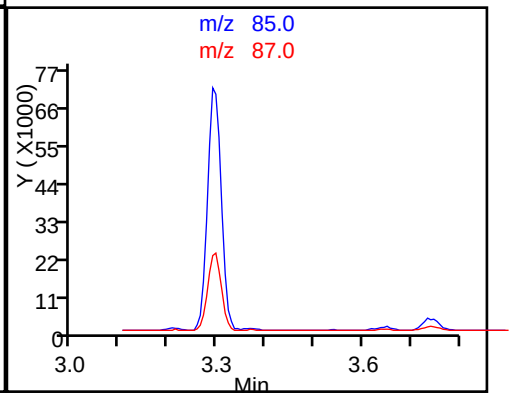












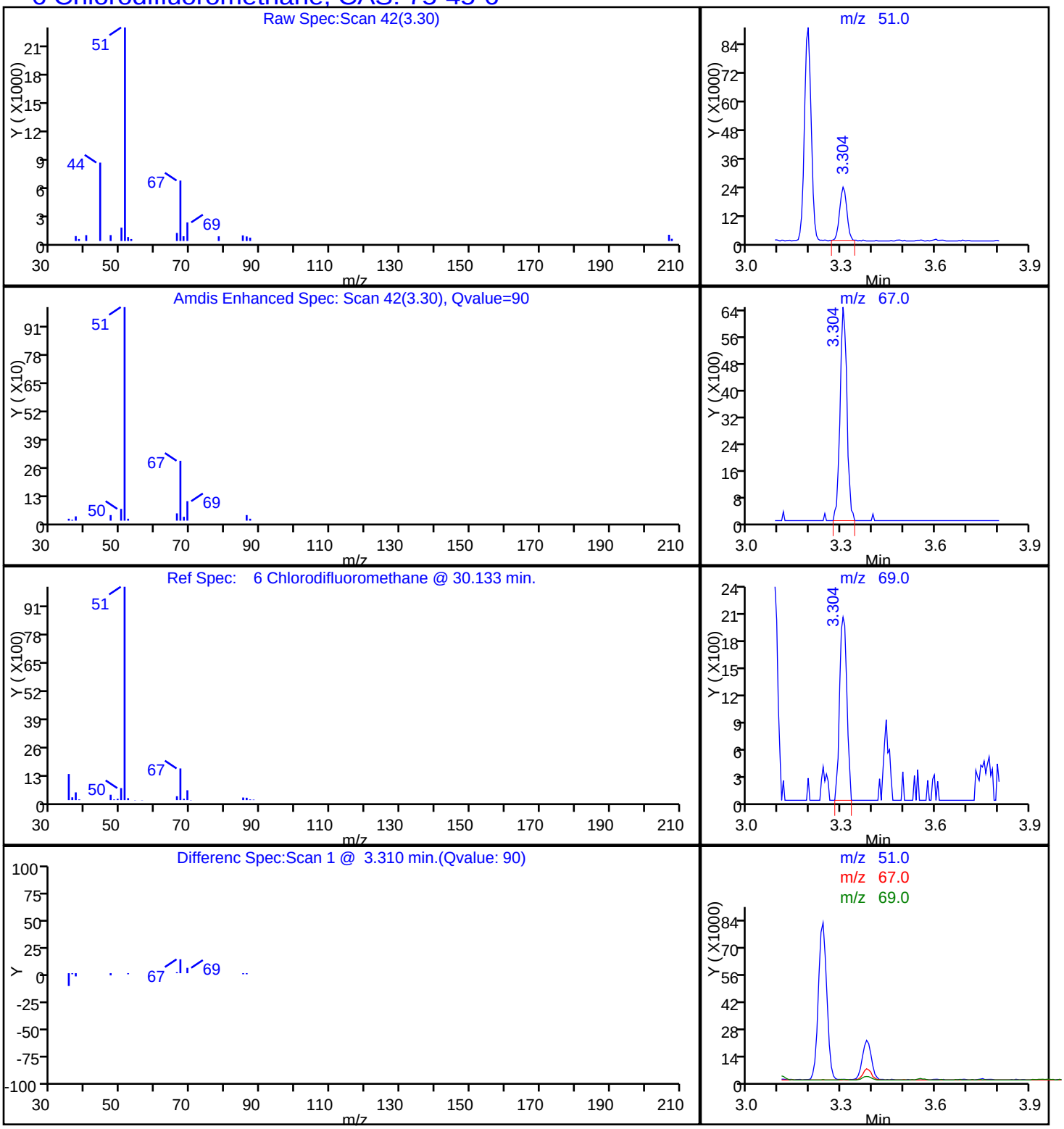
Report Date: 11-Apr-2014 11:51:42 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



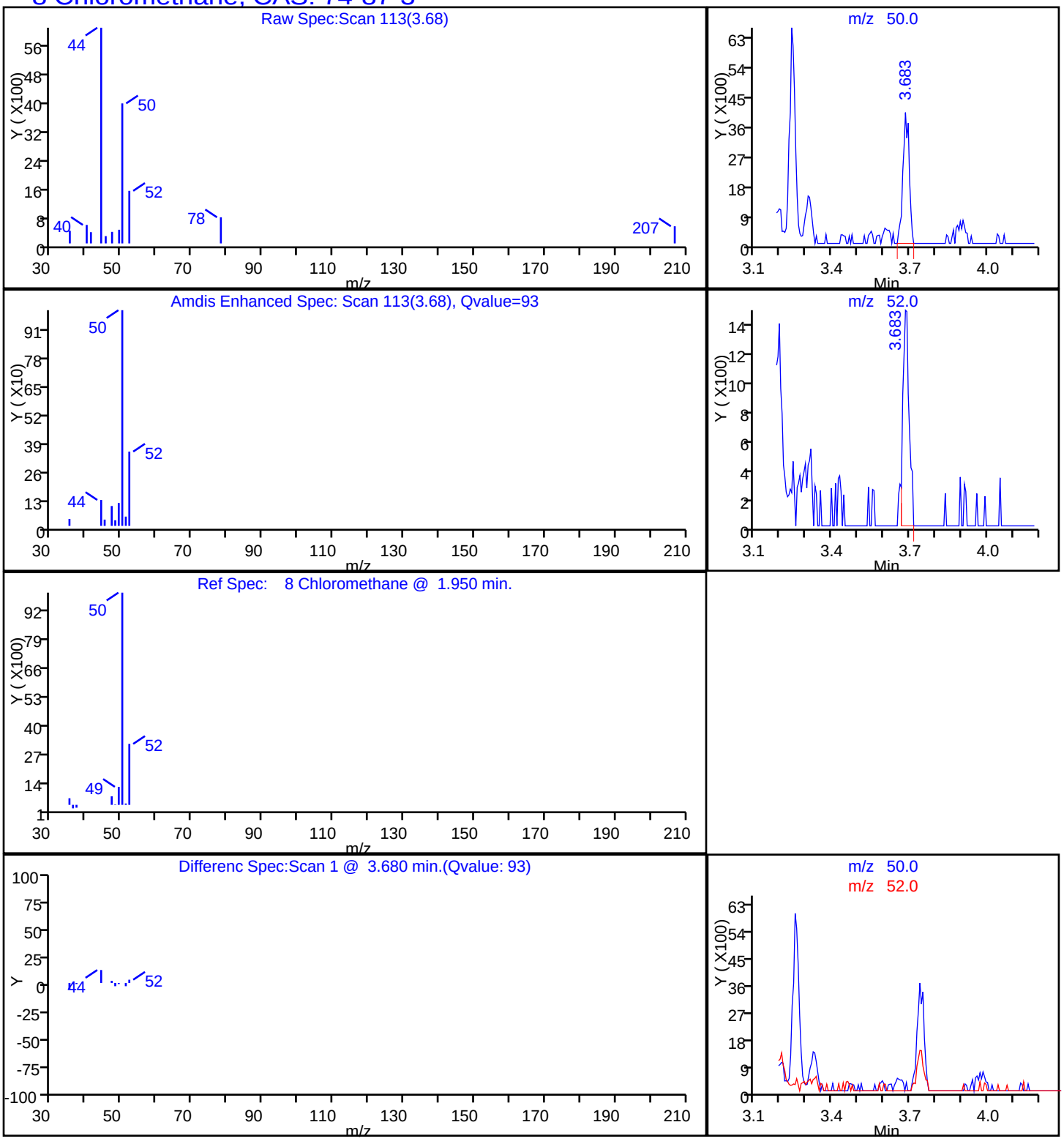
Report Date: 11-Apr-2014 11:51:42 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3



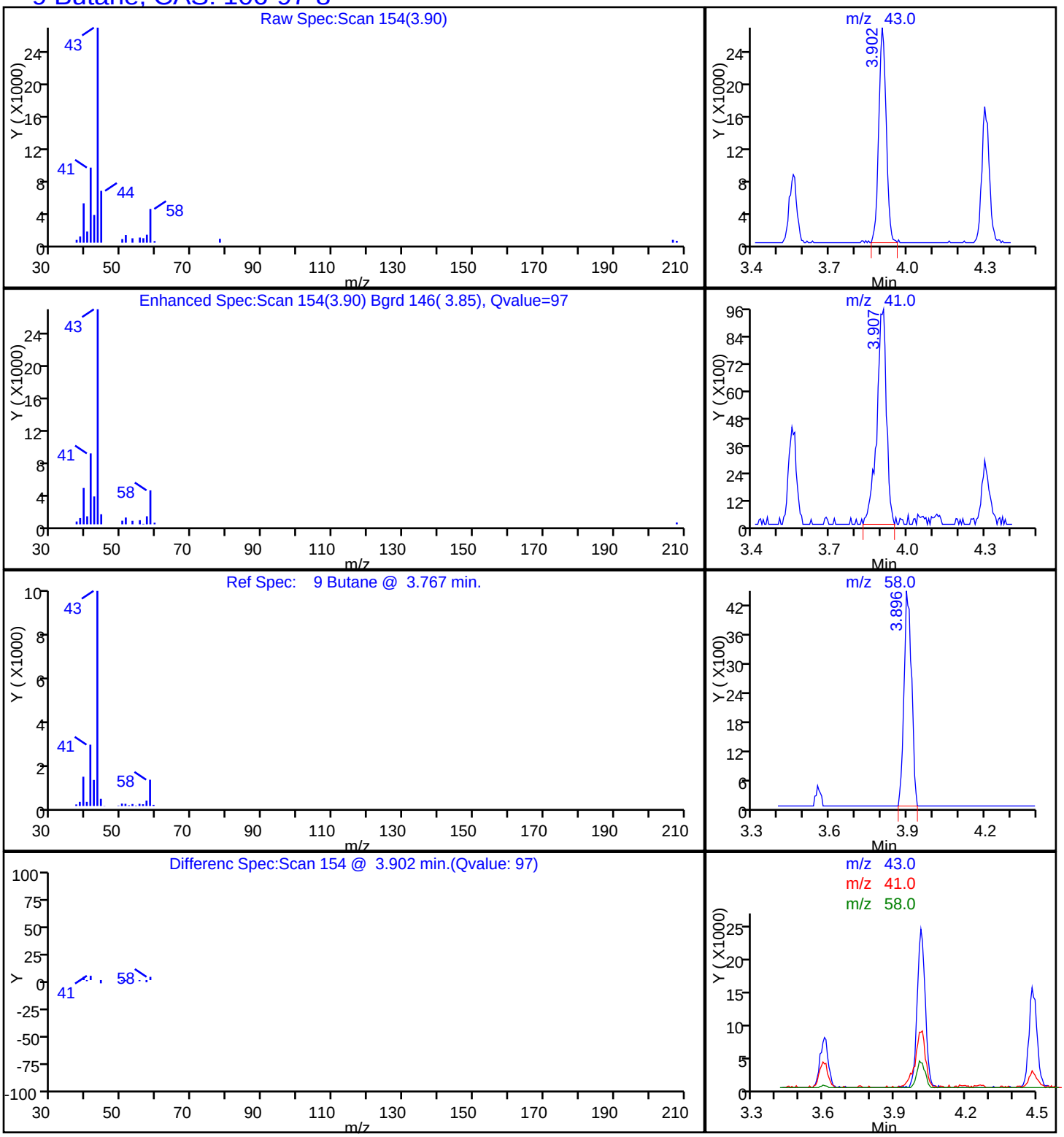
Report Date: 11-Apr-2014 11:51:42 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



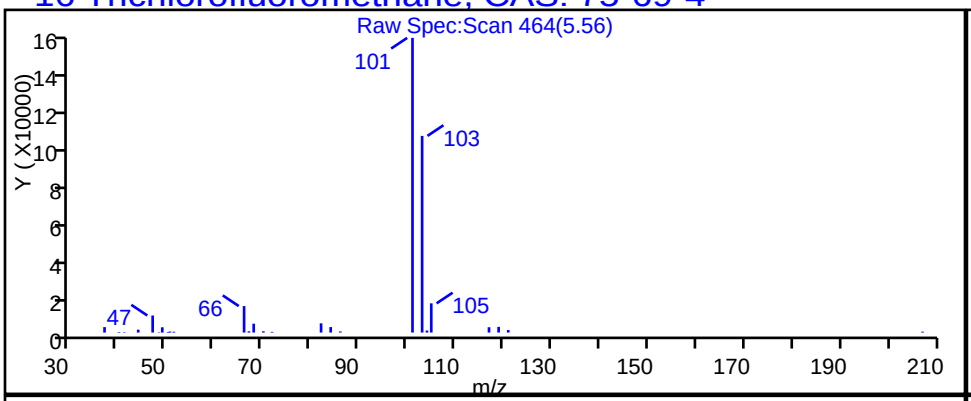
Report Date: 11-Apr-2014 11:51:42 Chrom Revision: 2.2 10-Apr-2014 15:11:30

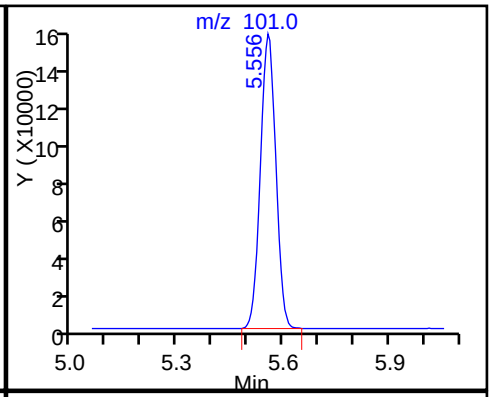
TestAmerica Burlington

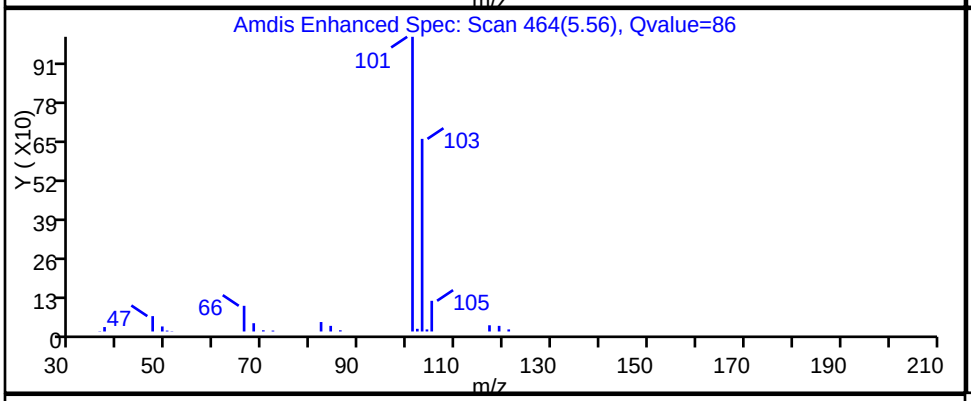
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

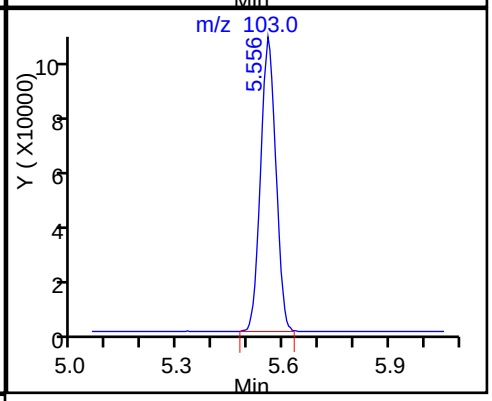
Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

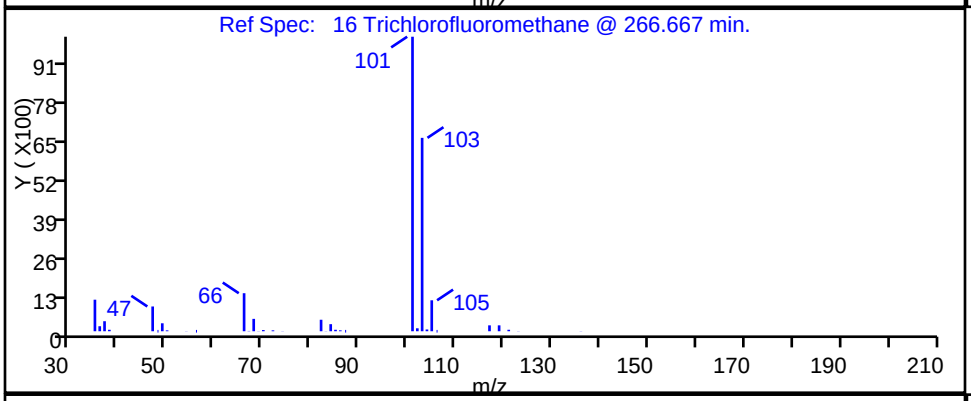
16 Trichlorofluoromethane, CAS: 75-69-4

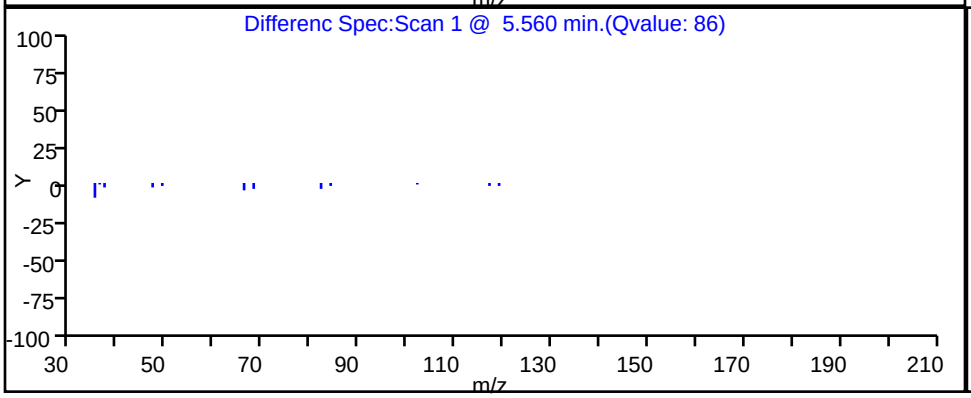


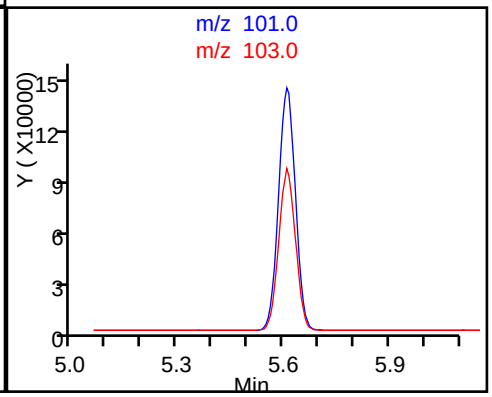












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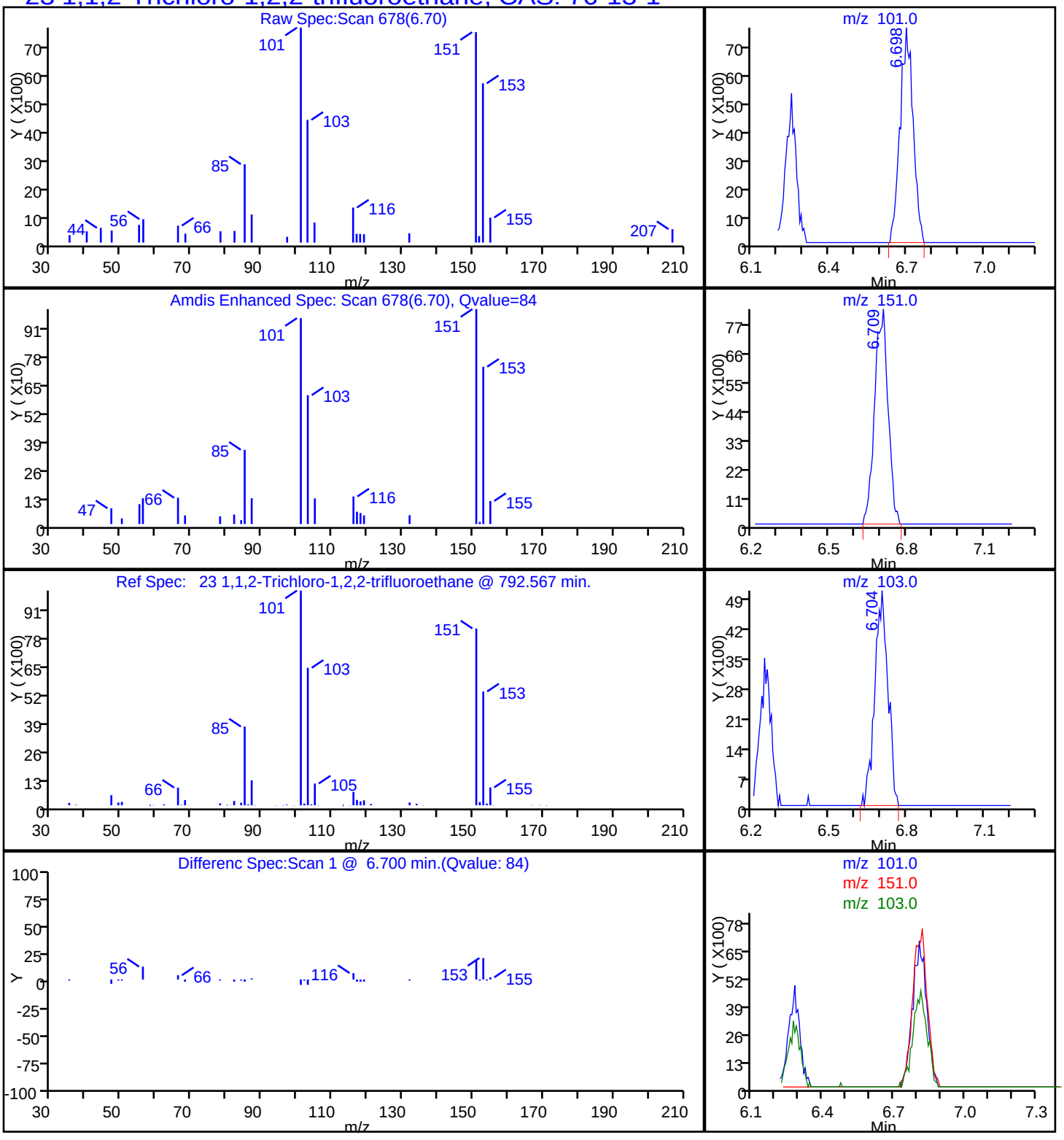
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

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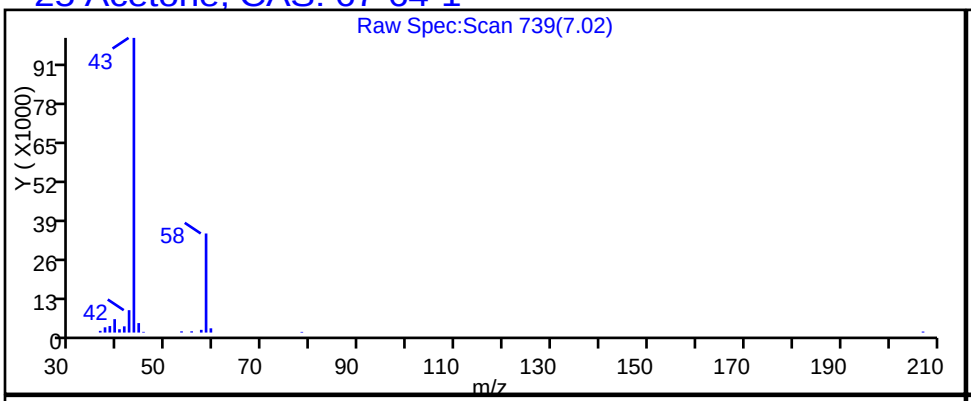
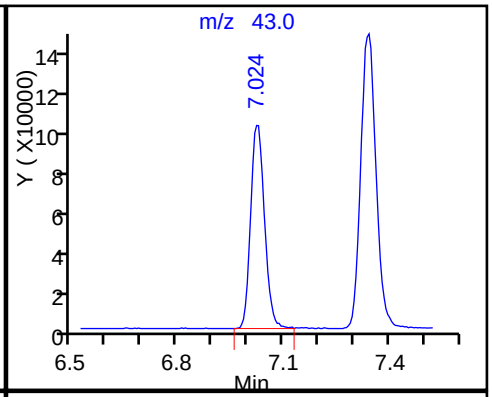
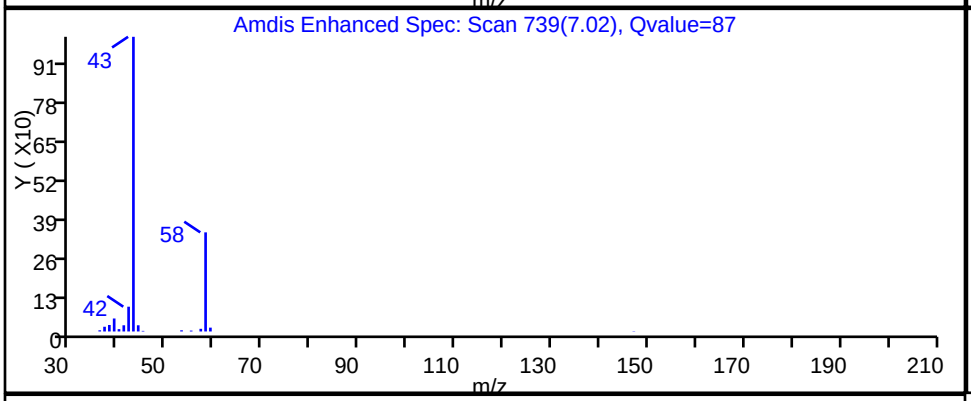
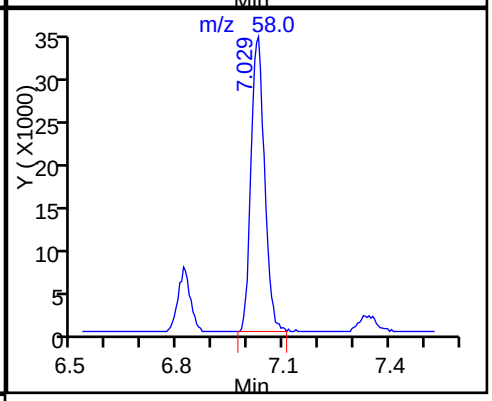
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

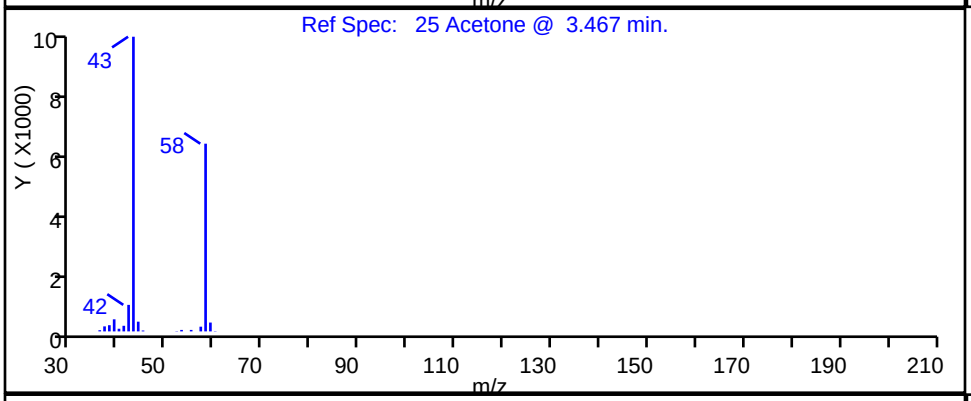
25 Acetone, CAS: 67-64-1

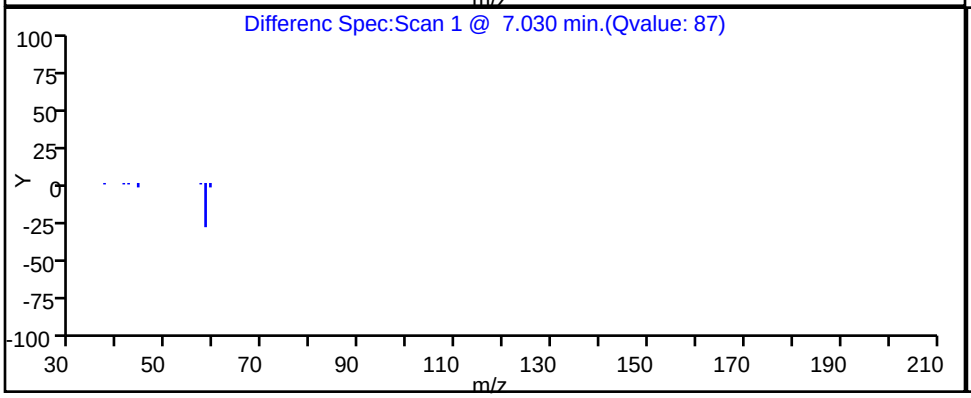


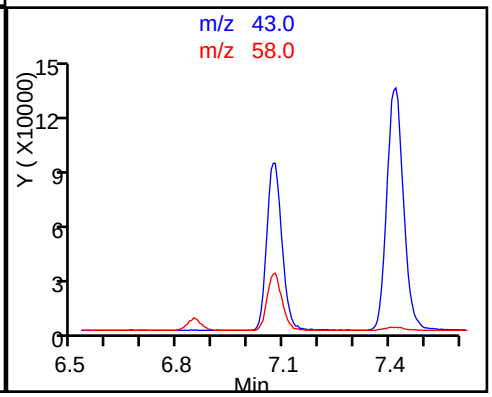












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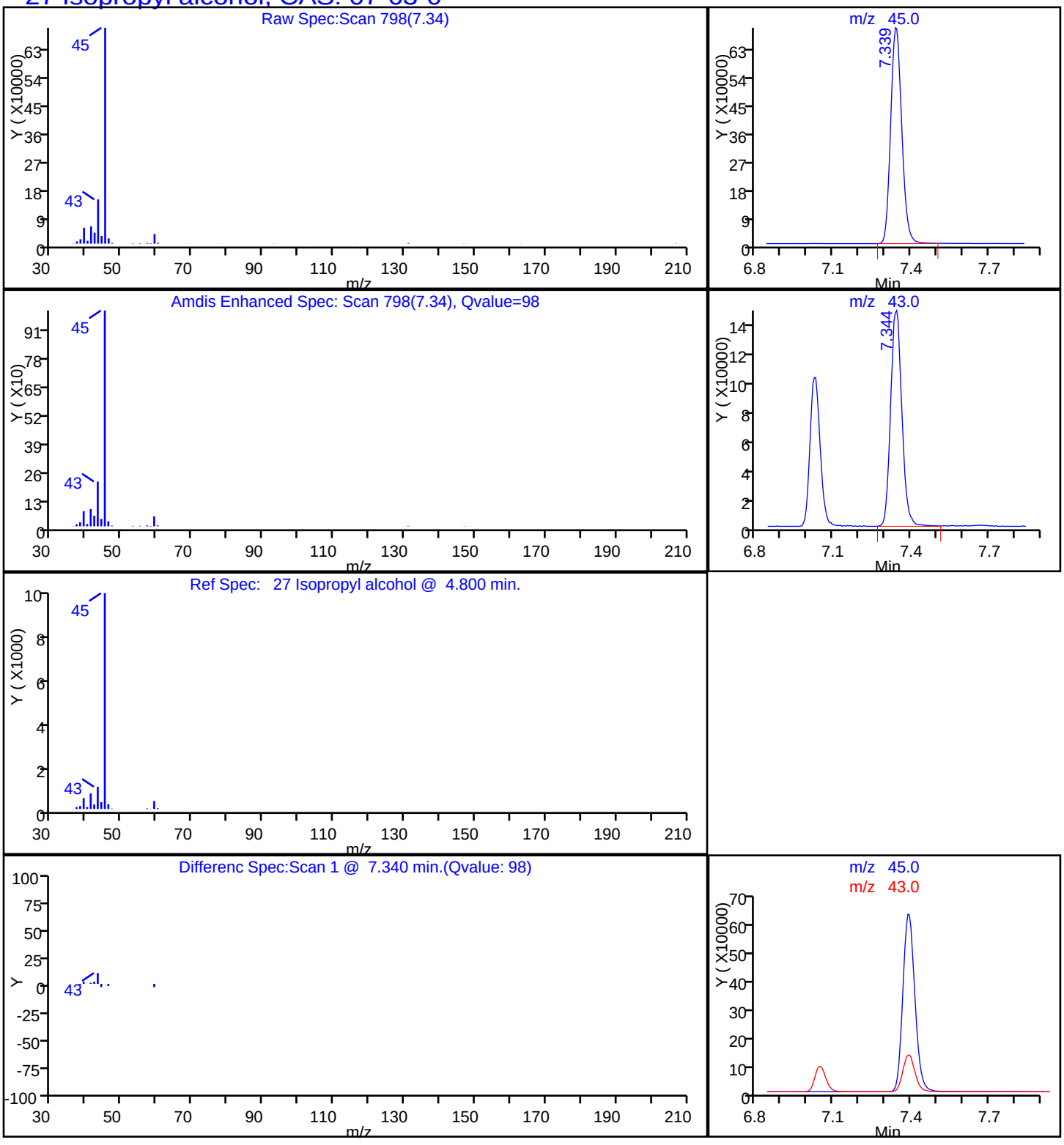
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



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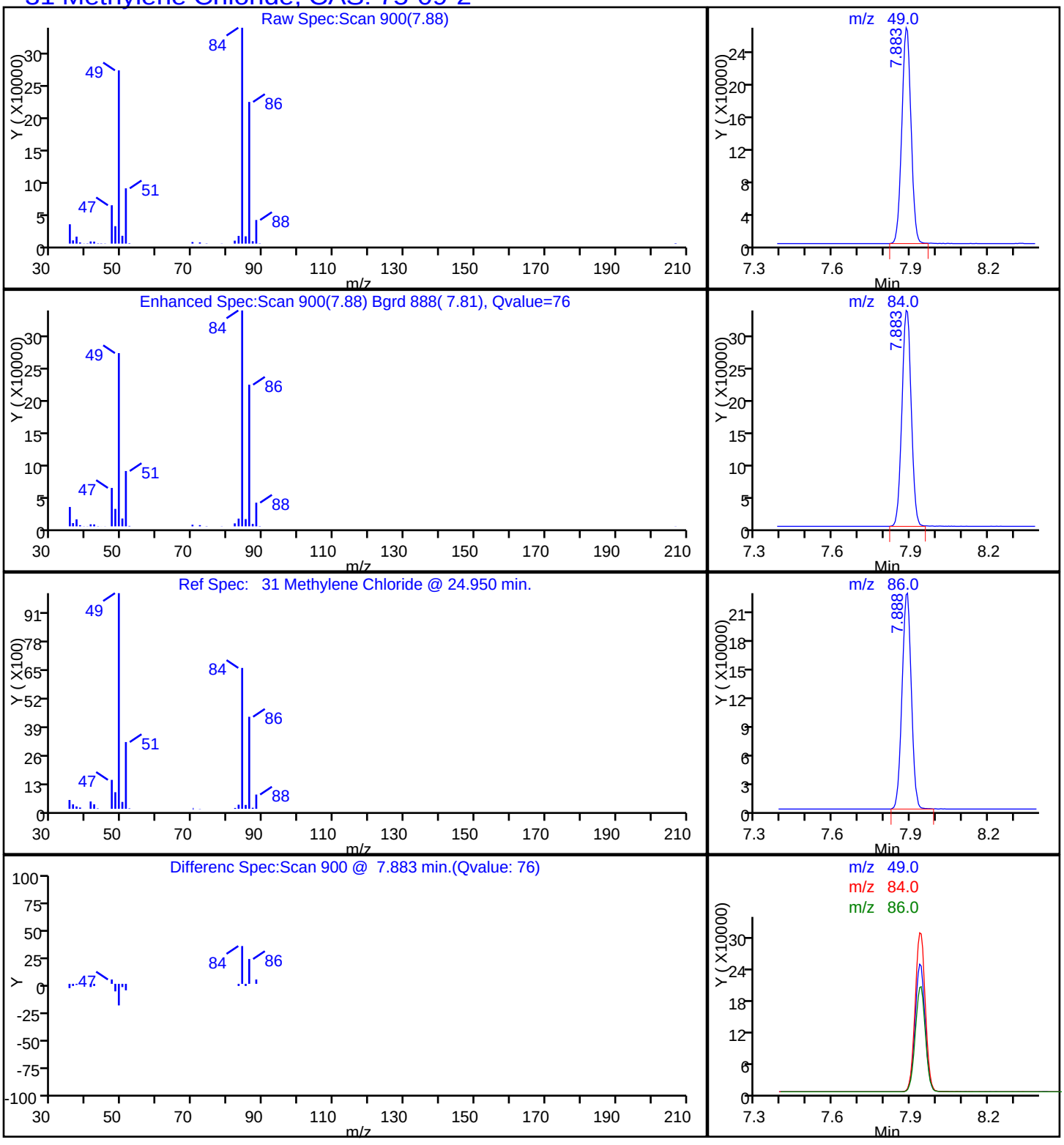
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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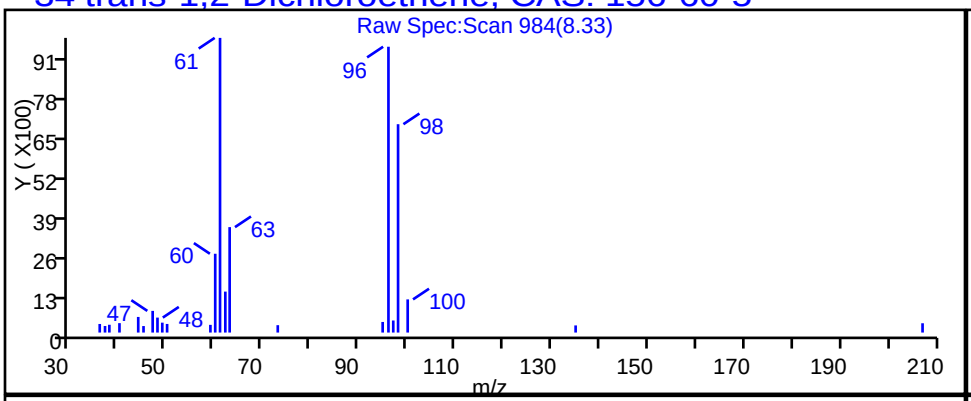
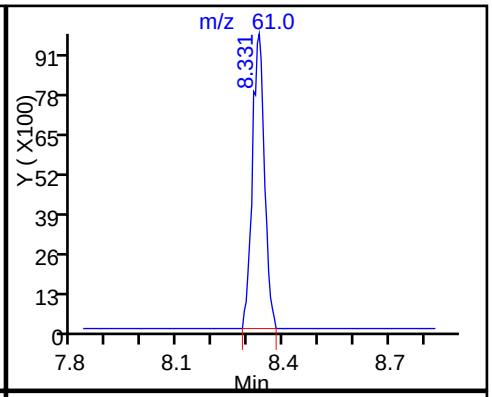
TestAmerica Burlington

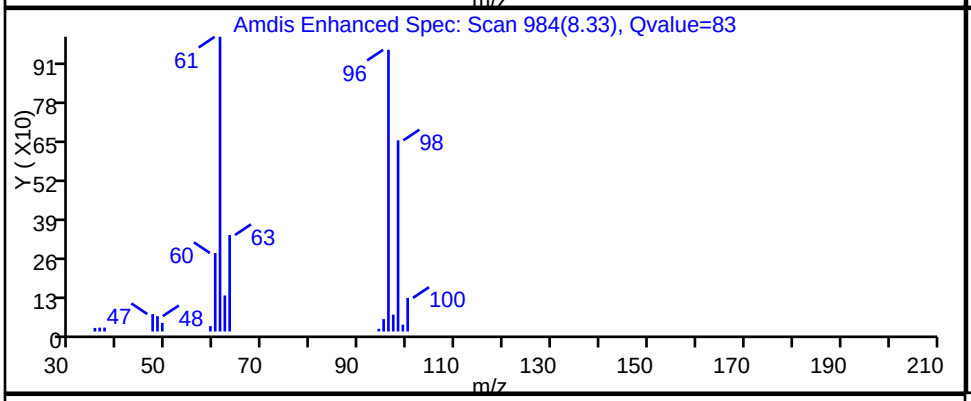
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

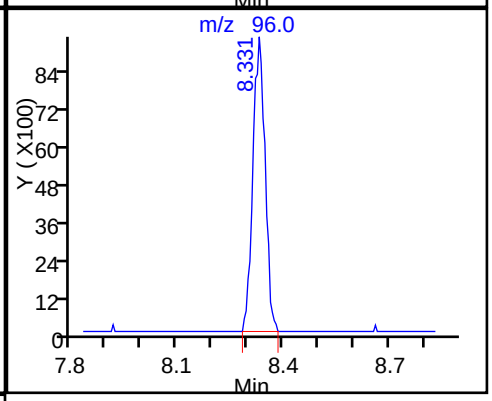
Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

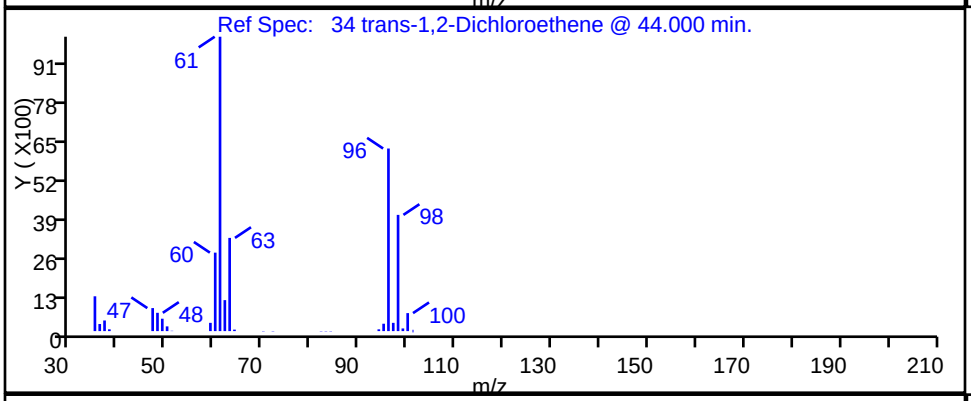
34 trans-1,2-Dichloroethene, CAS: 156-60-5

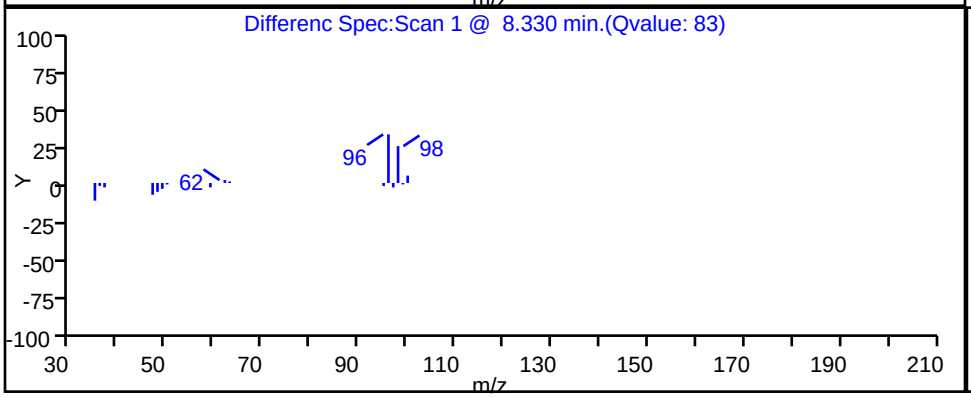


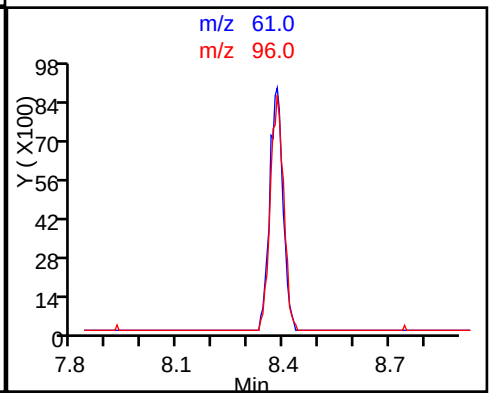












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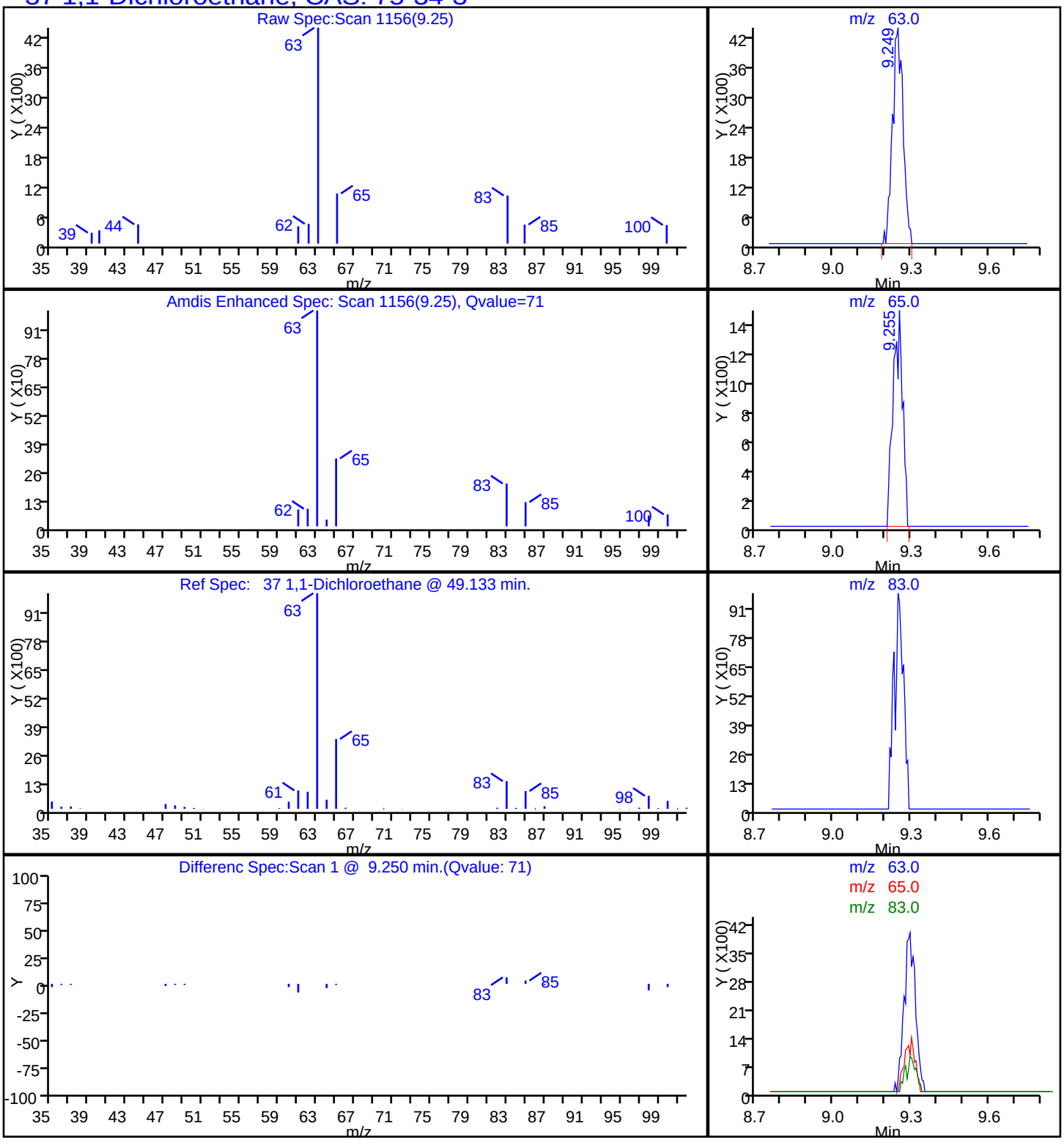
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



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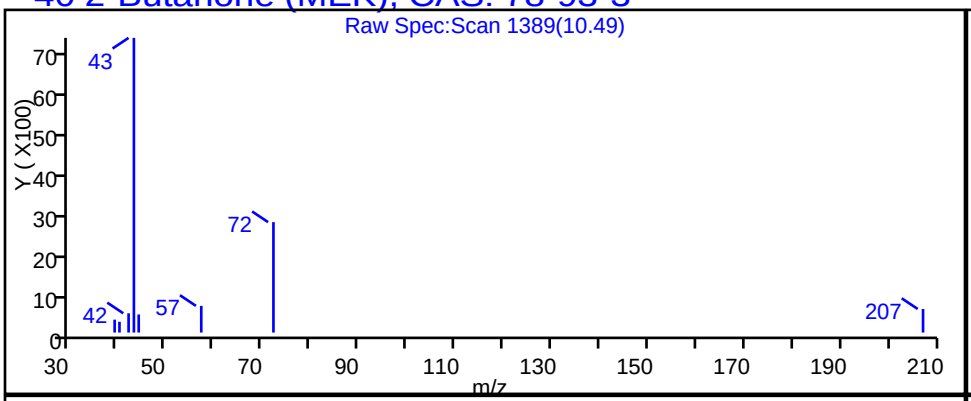
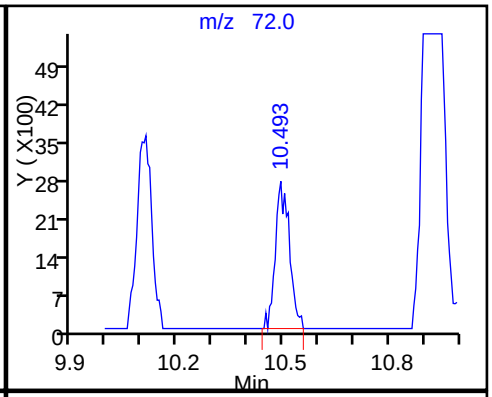
TestAmerica Burlington

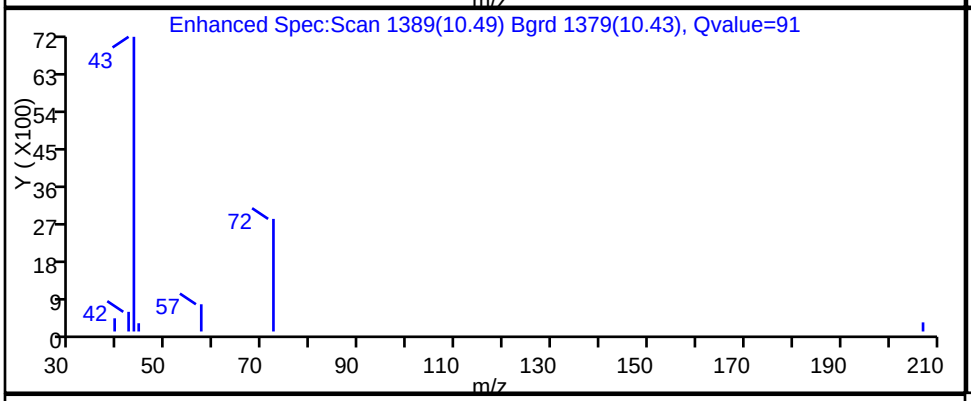
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

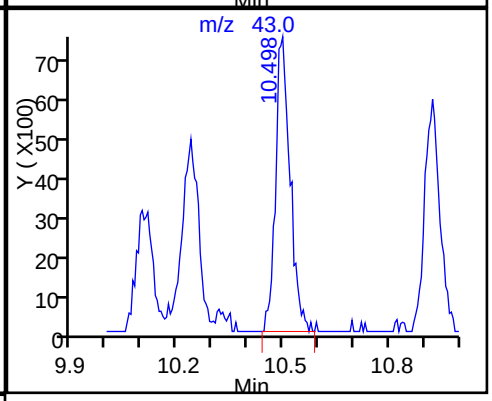
Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

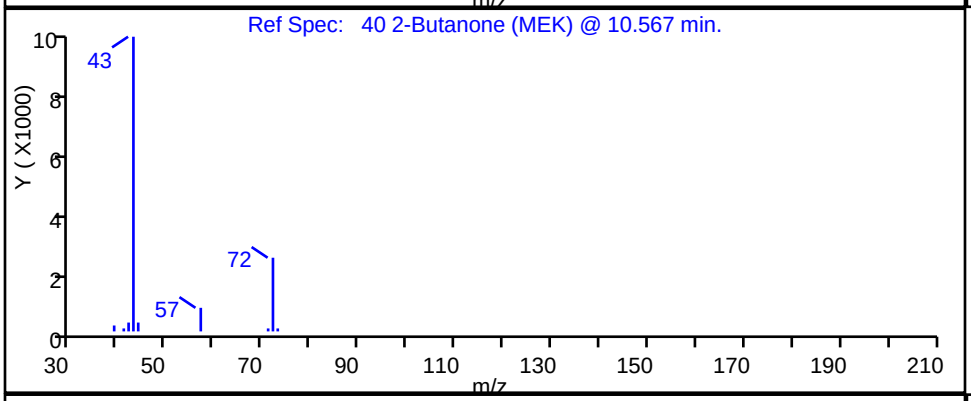
40 2-Butanone (MEK), CAS: 78-93-3

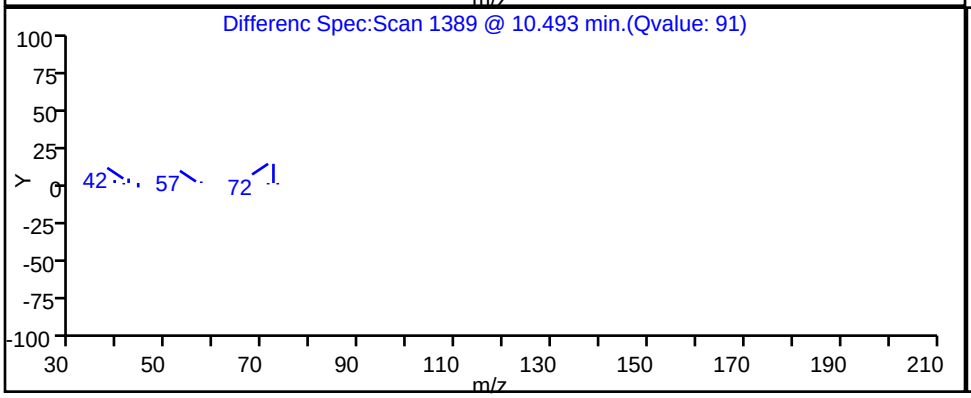


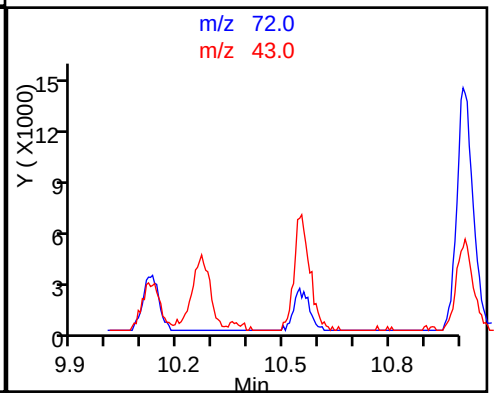












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TestAmerica Burlington

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Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
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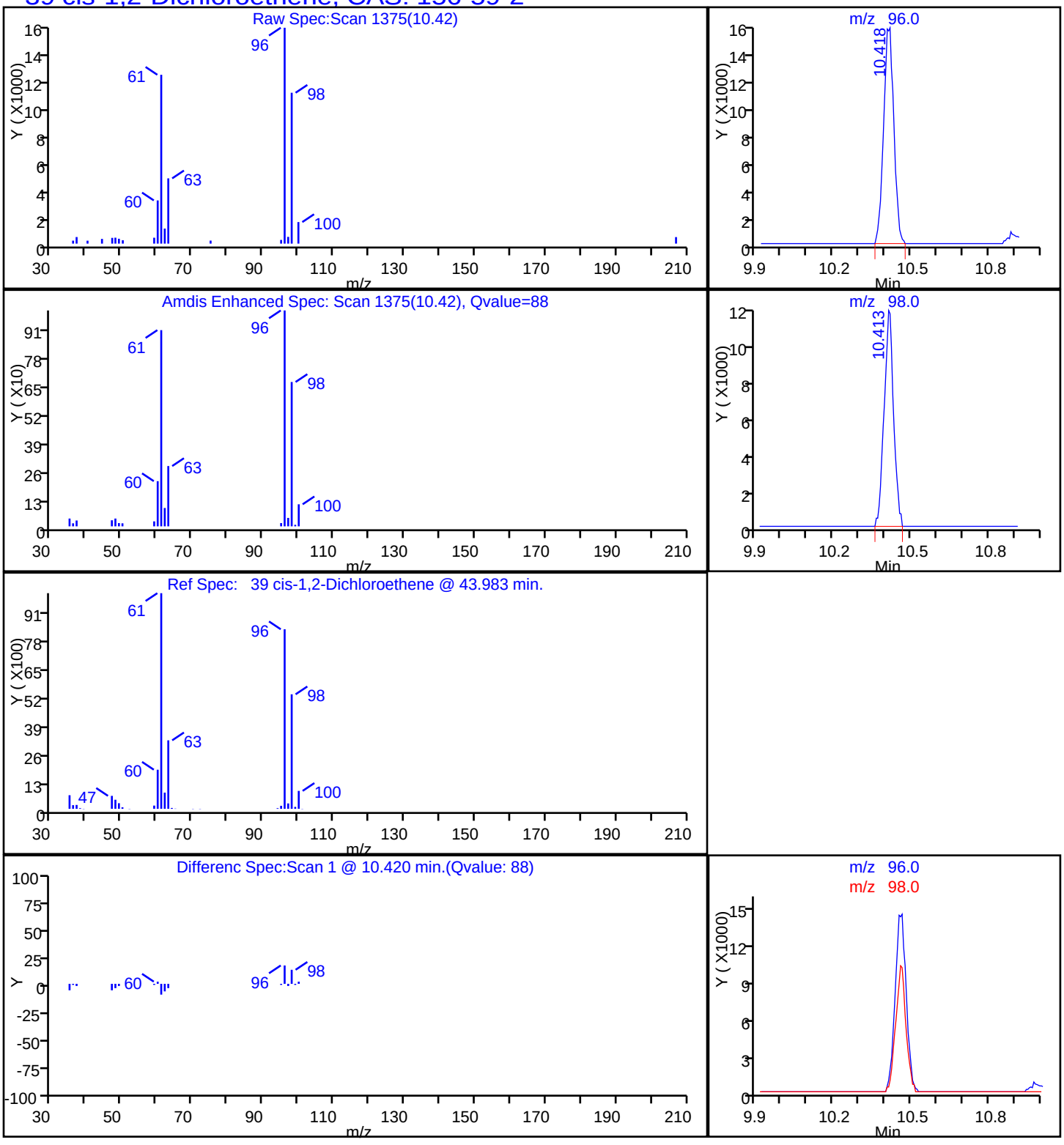
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2



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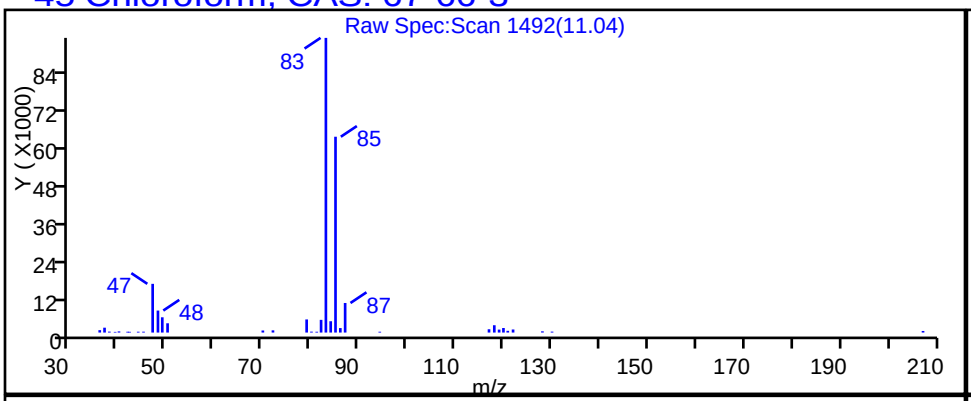
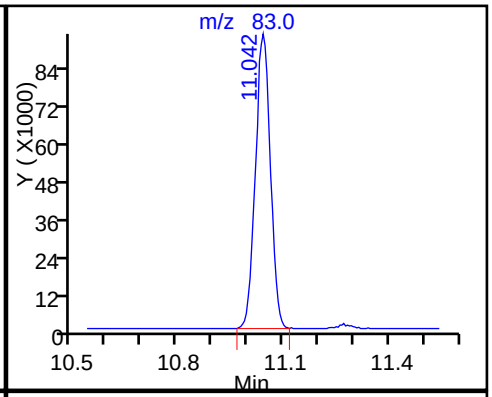
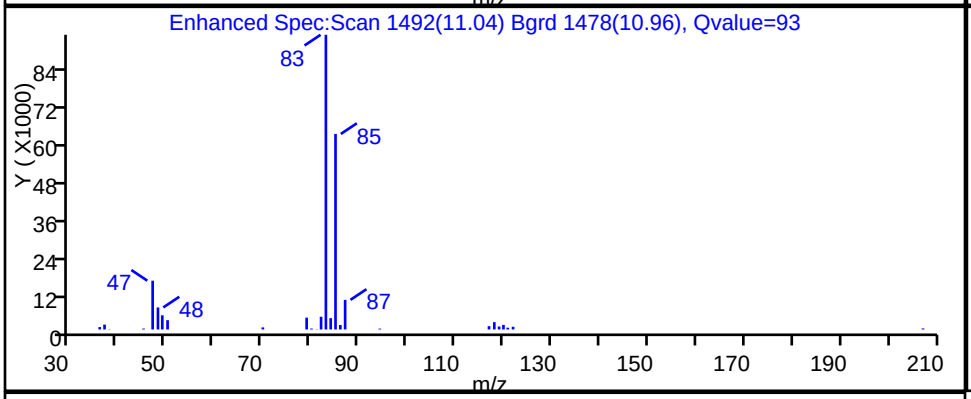
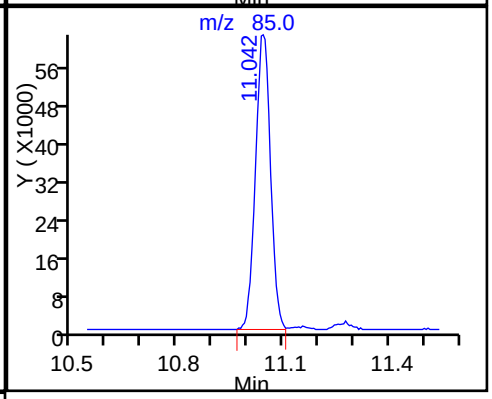
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

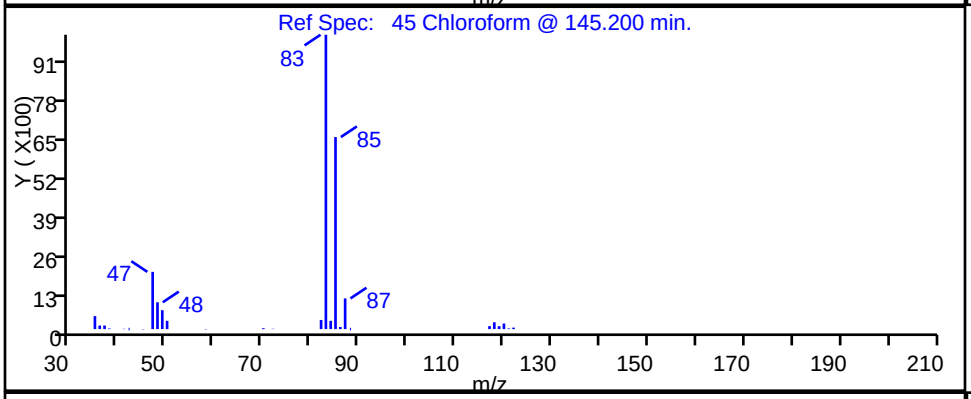
45 Chloroform, CAS: 67-66-3

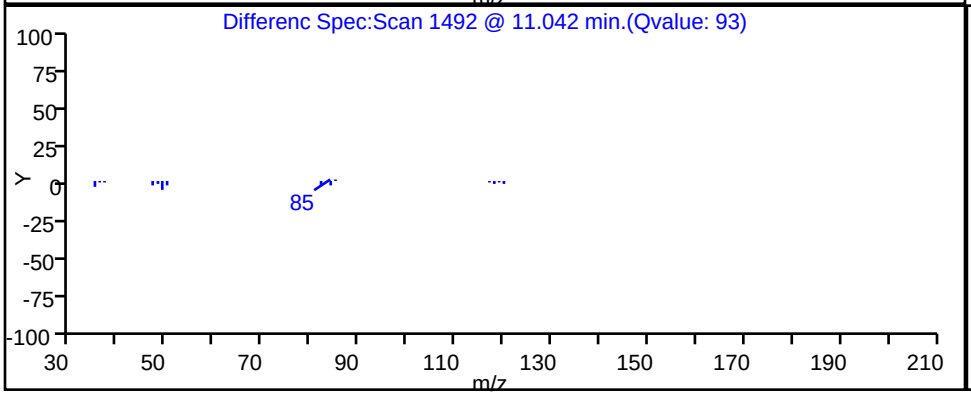


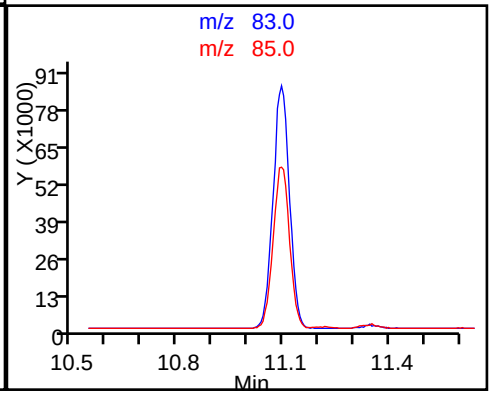












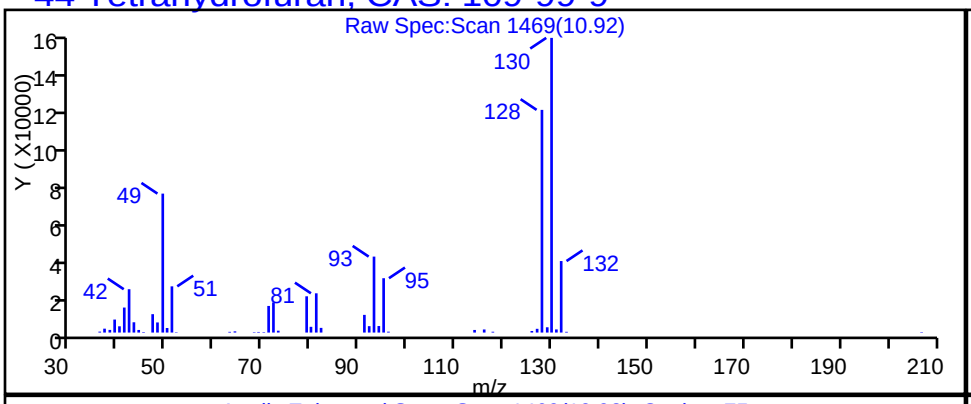
Report Date: 11-Apr-2014 11:51:42 Chrom Revision: 2.2 10-Apr-2014 15:11:30

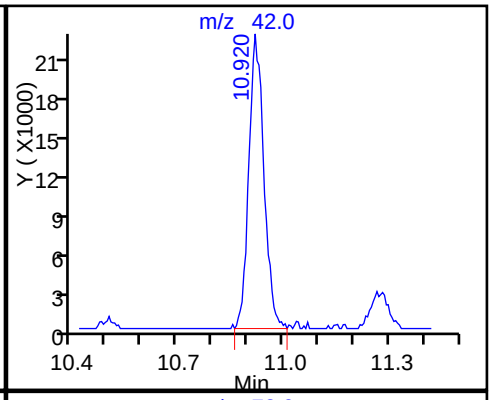
TestAmerica Burlington

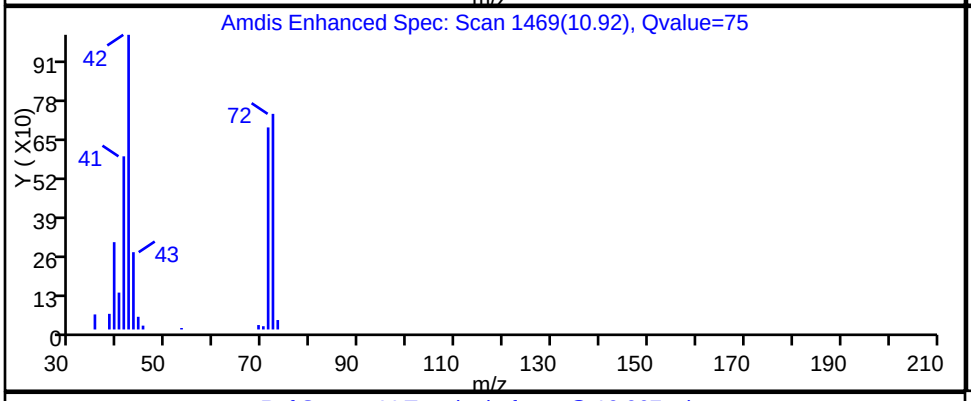
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

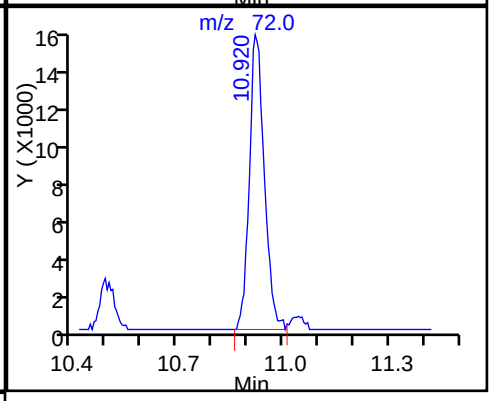
Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

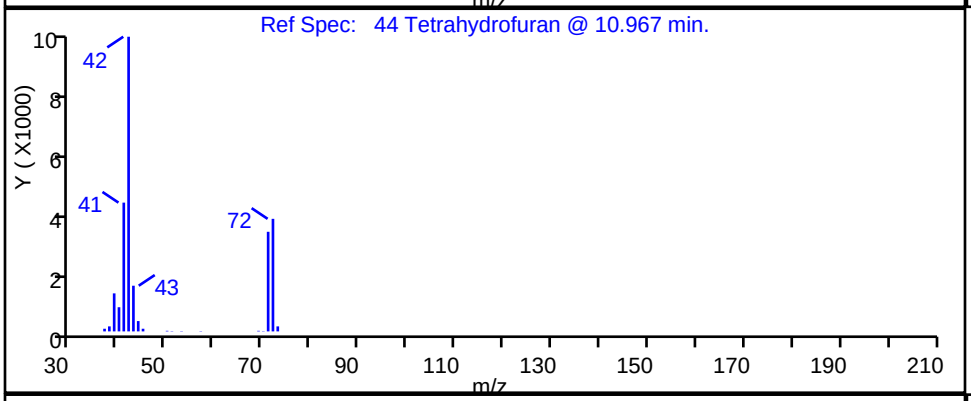
44 Tetrahydrofuran, CAS: 109-99-9

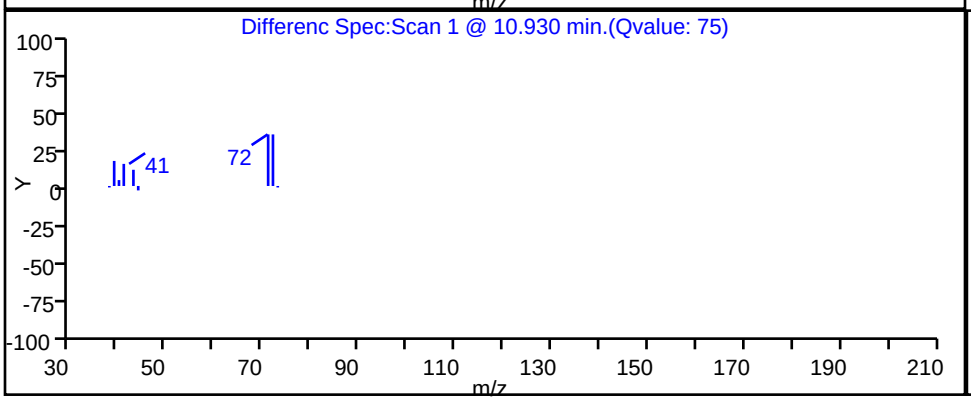


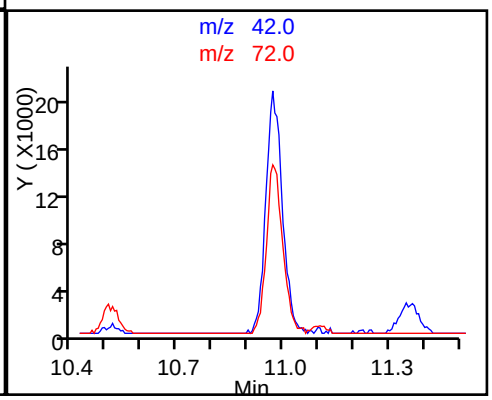












Report Date: 11-Apr-2014 11:51:42 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D				
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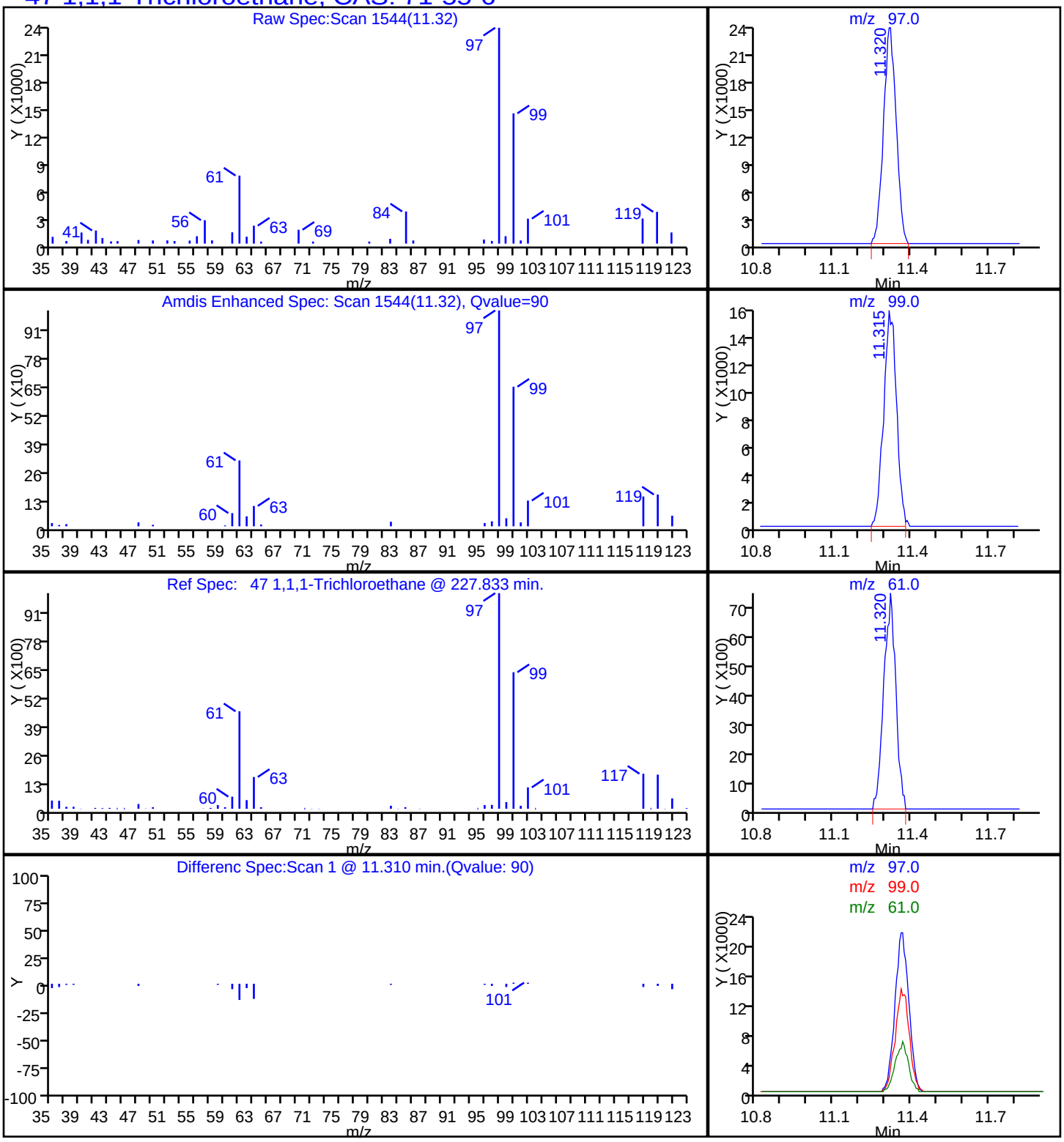
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
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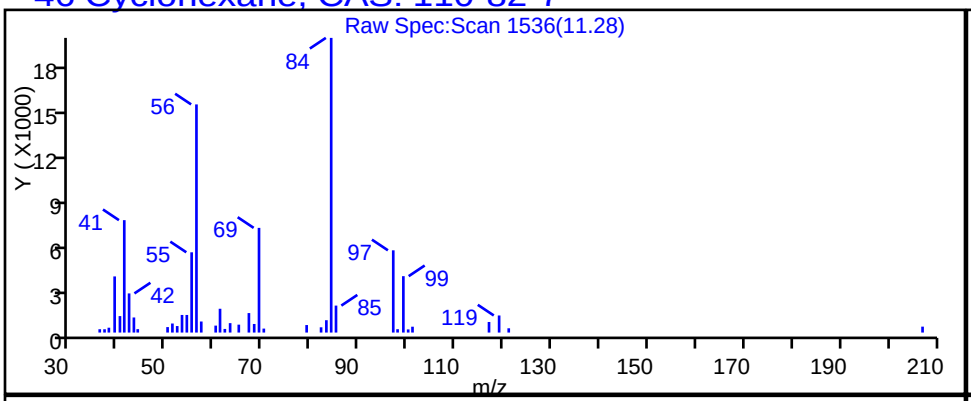
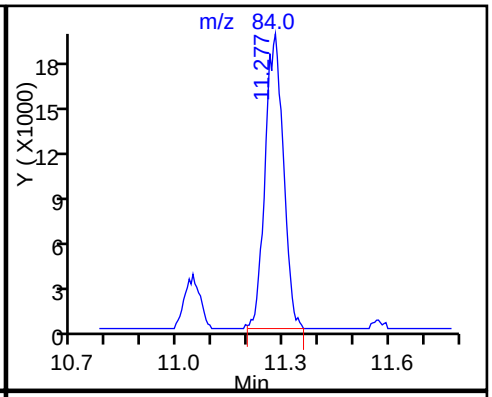
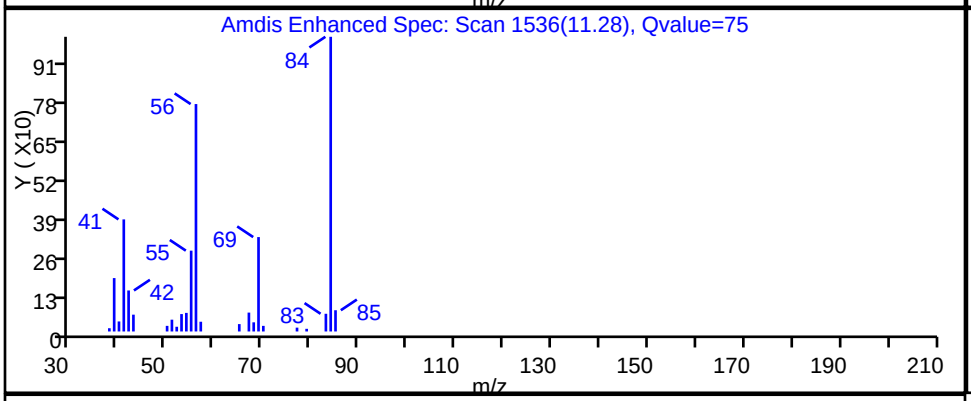
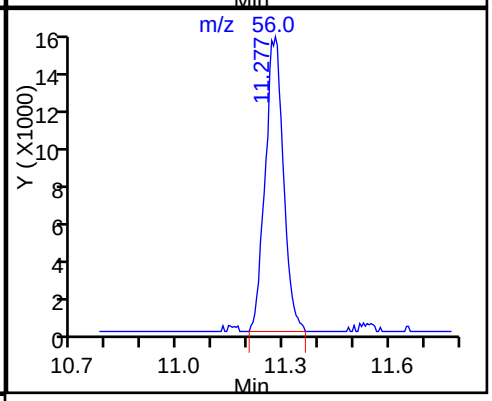
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

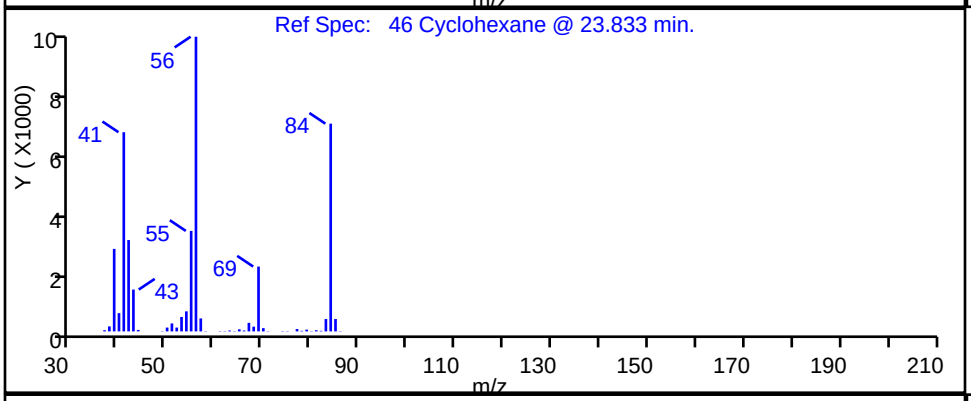
46 Cyclohexane, CAS: 110-82-7

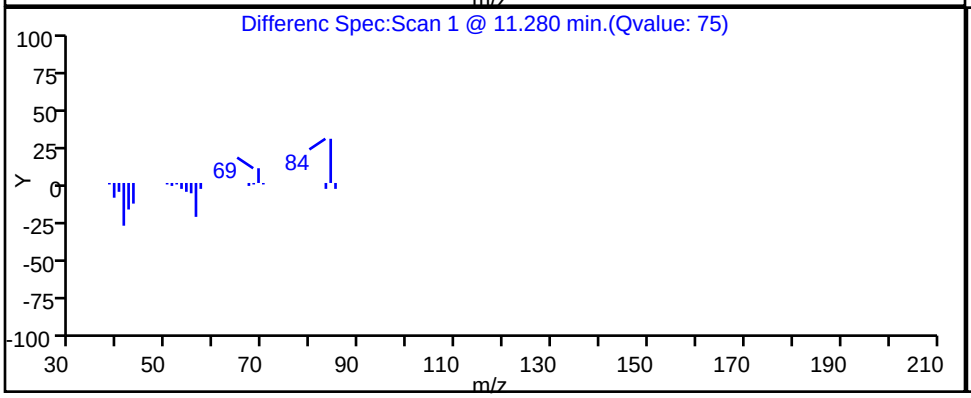


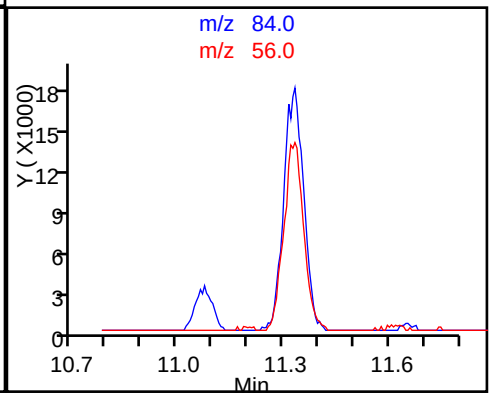












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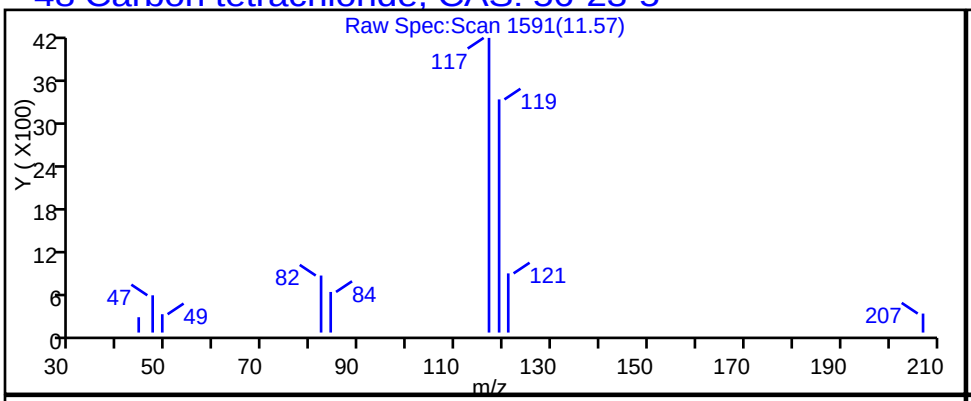
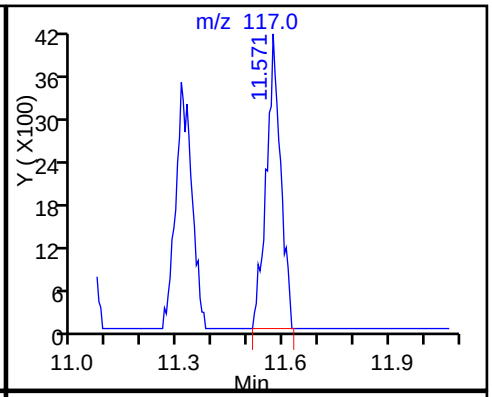
TestAmerica Burlington

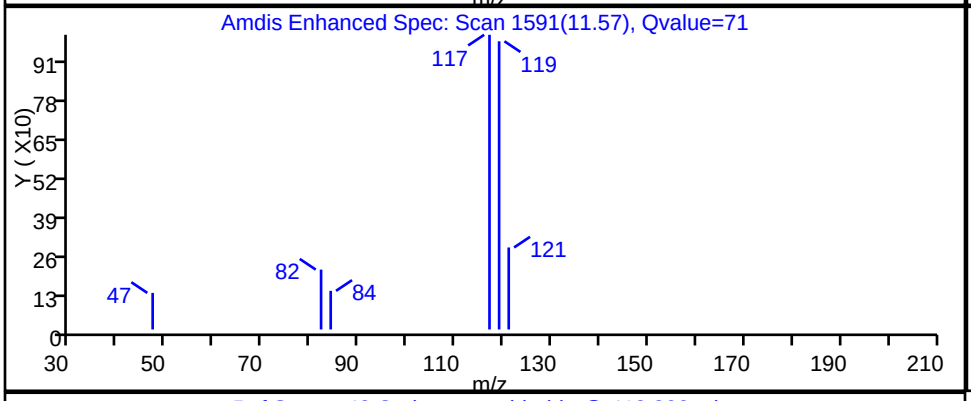
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

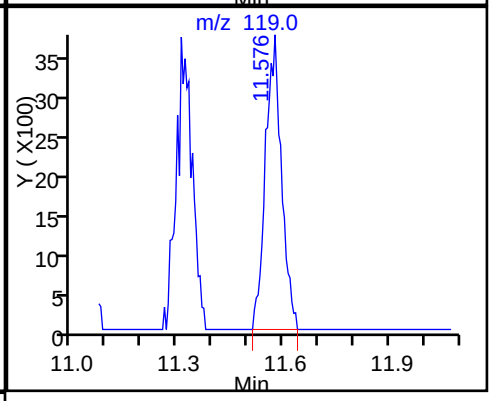
Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

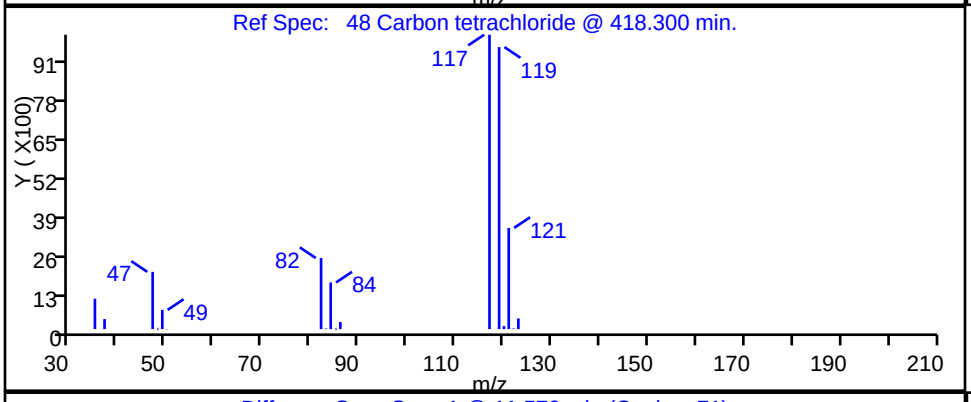
48 Carbon tetrachloride, CAS: 56-23-5

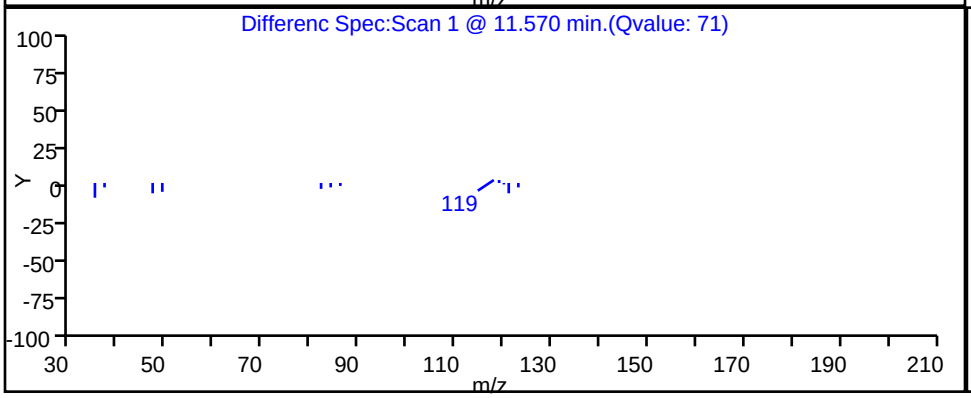


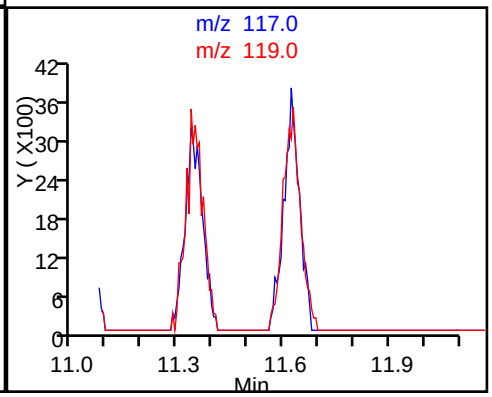










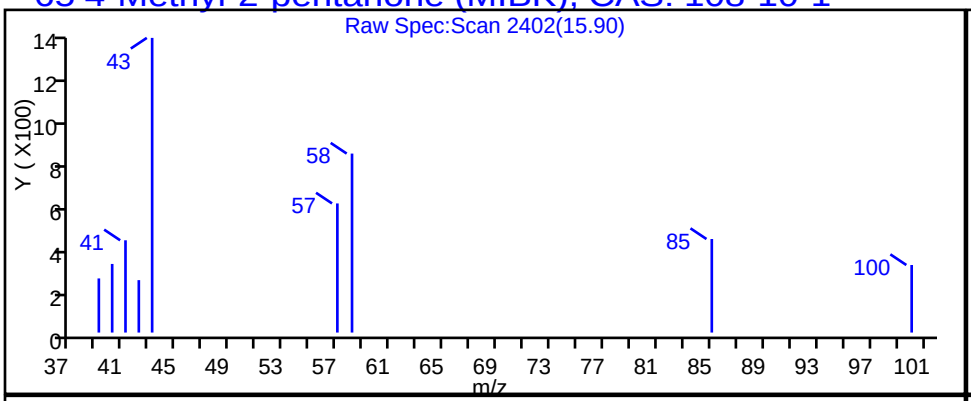


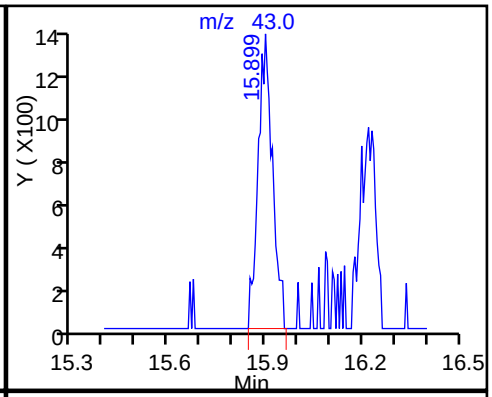
Report Date: 11-Apr-2014 11:51:42 Chrom Revision: 2.2 10-Apr-2014 15:11:30

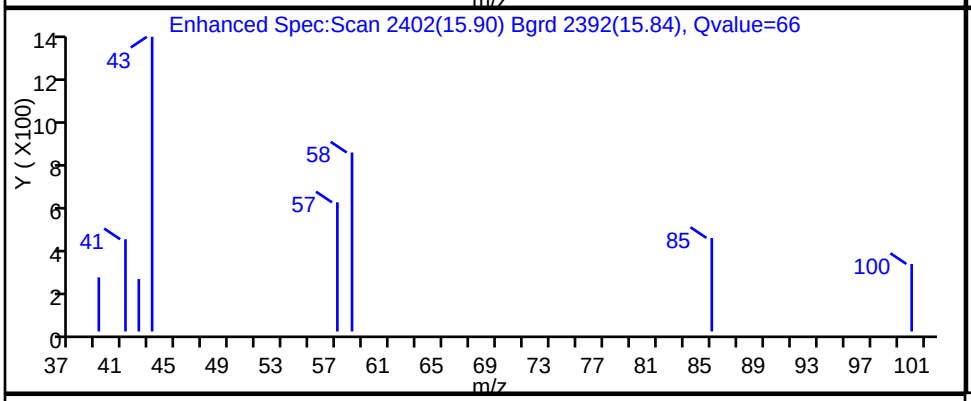
TestAmerica Burlington

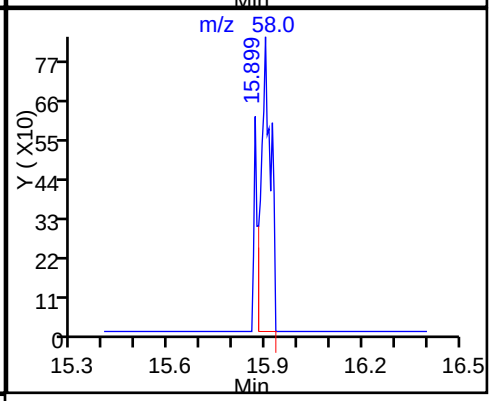
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D				
Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

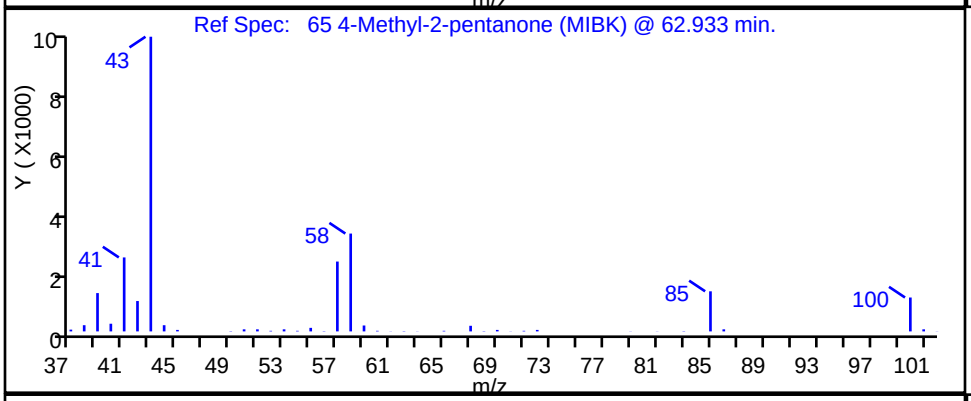
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

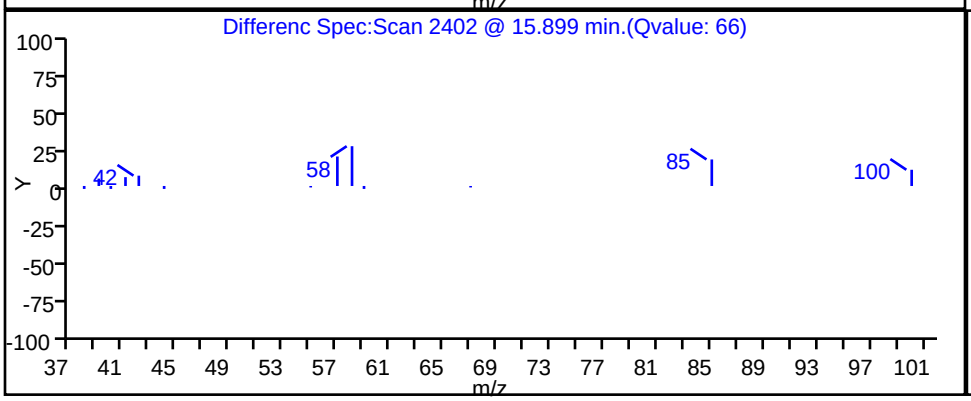


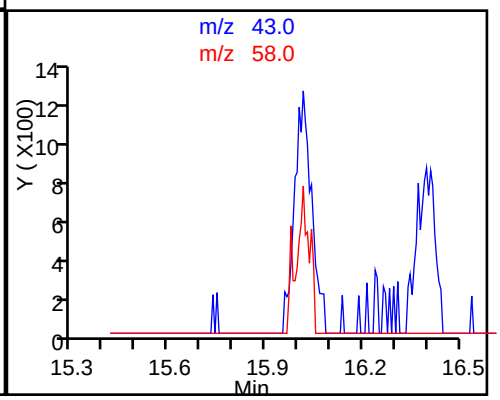












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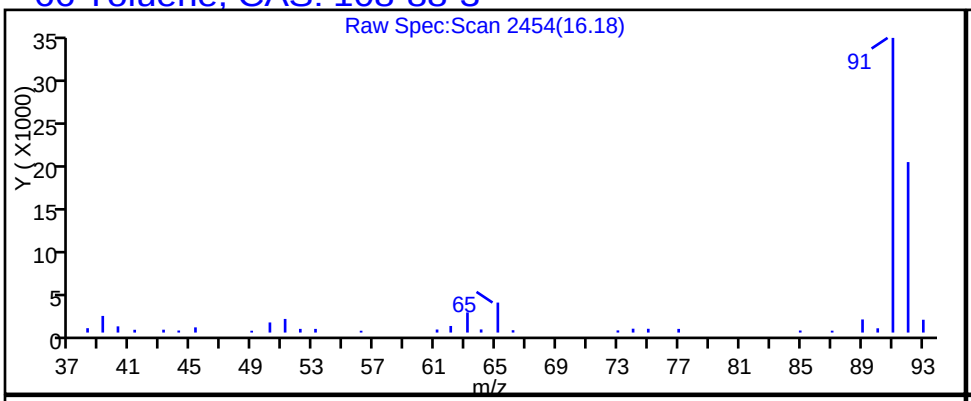
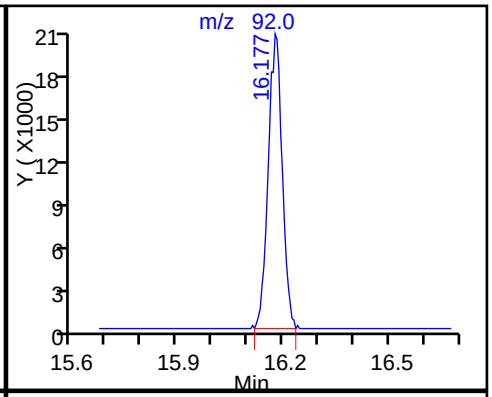
TestAmerica Burlington

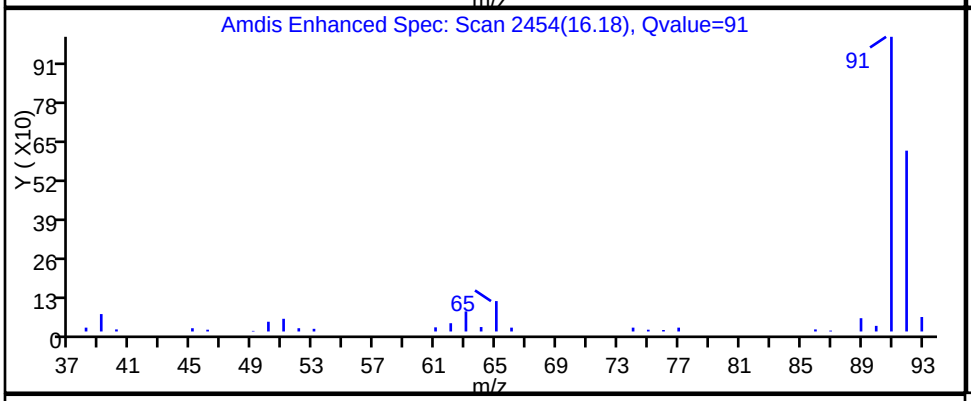
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

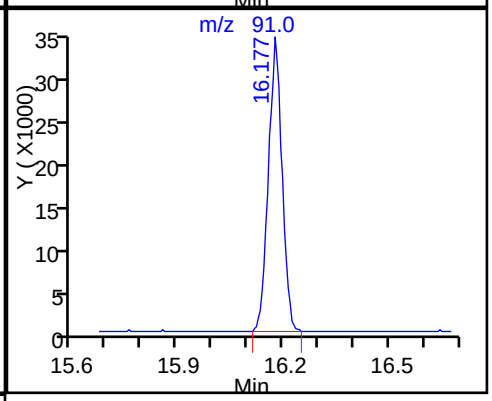
Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

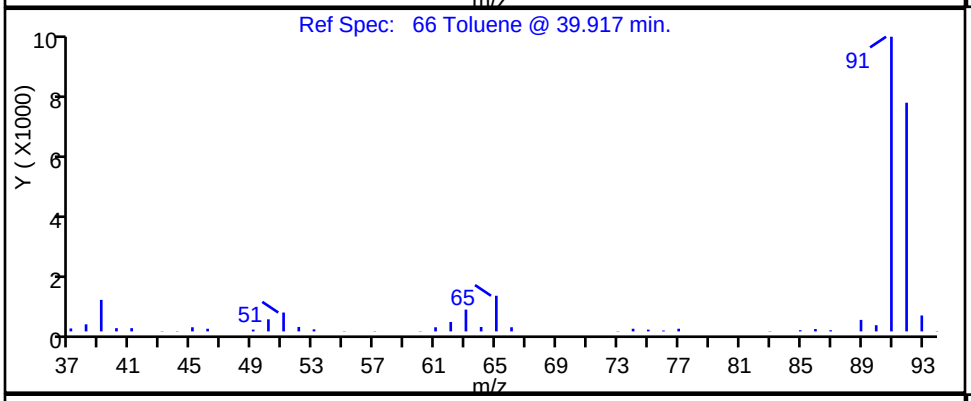
66 Toluene, CAS: 108-88-3

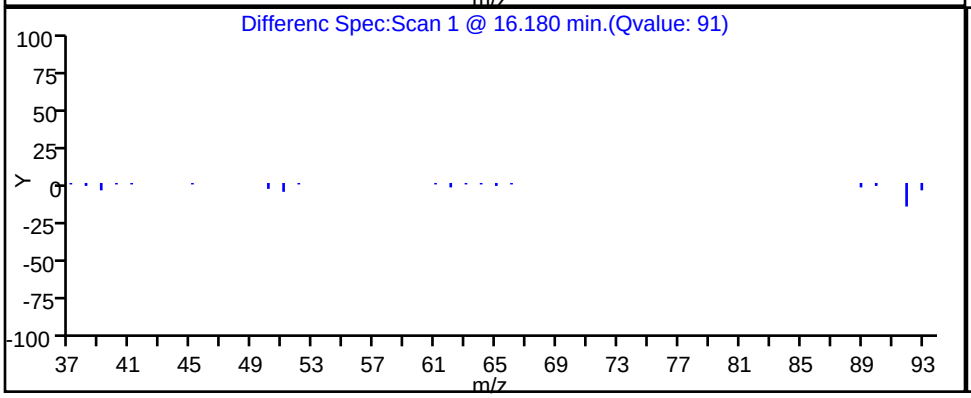


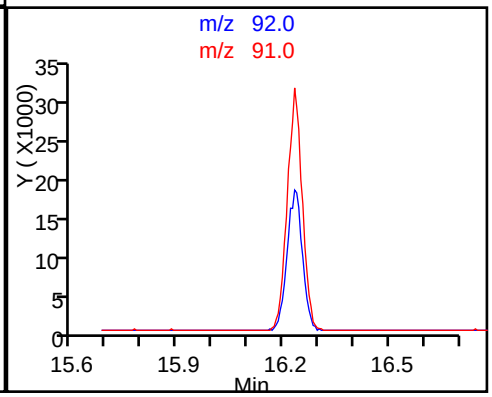












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Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
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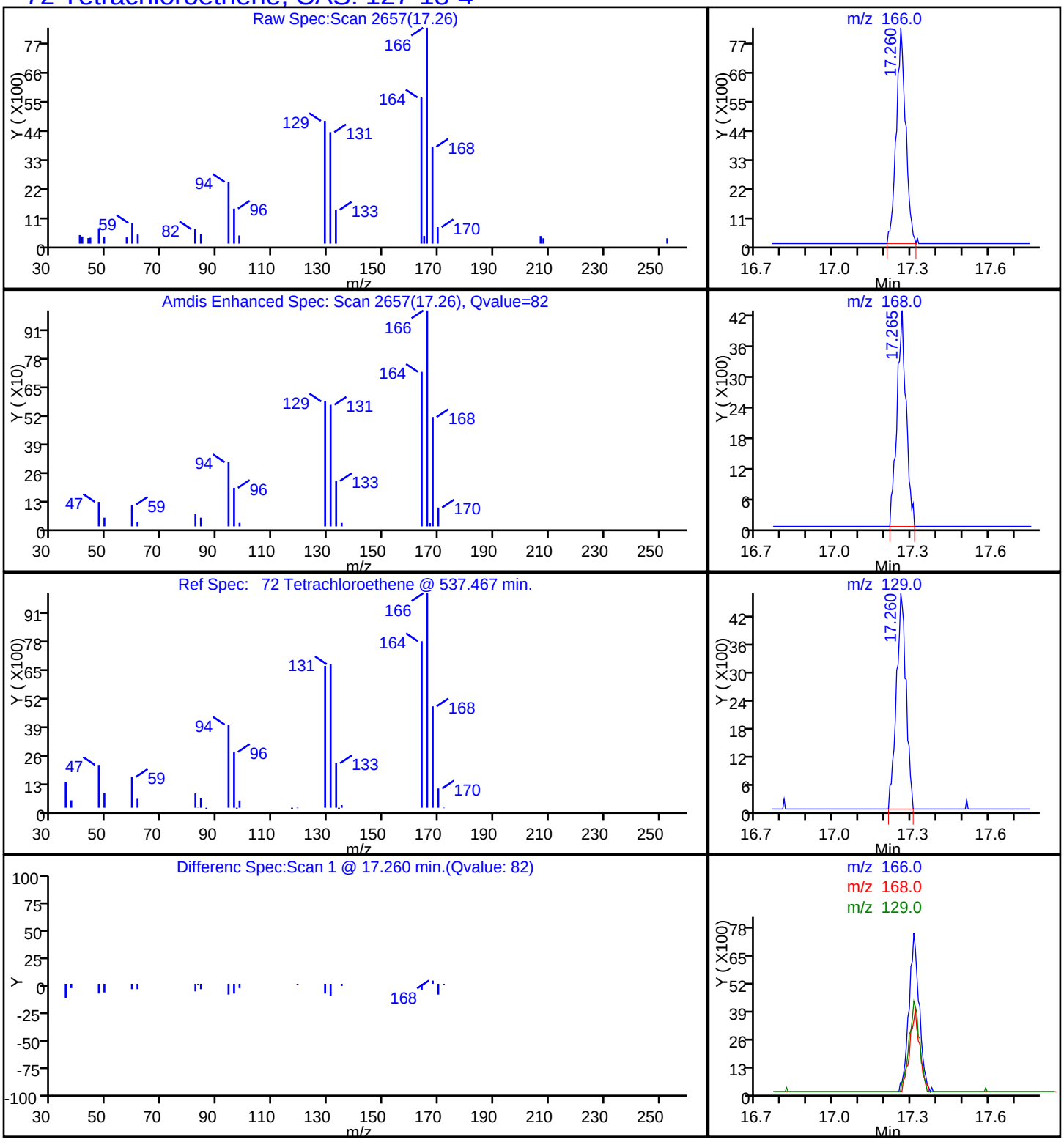
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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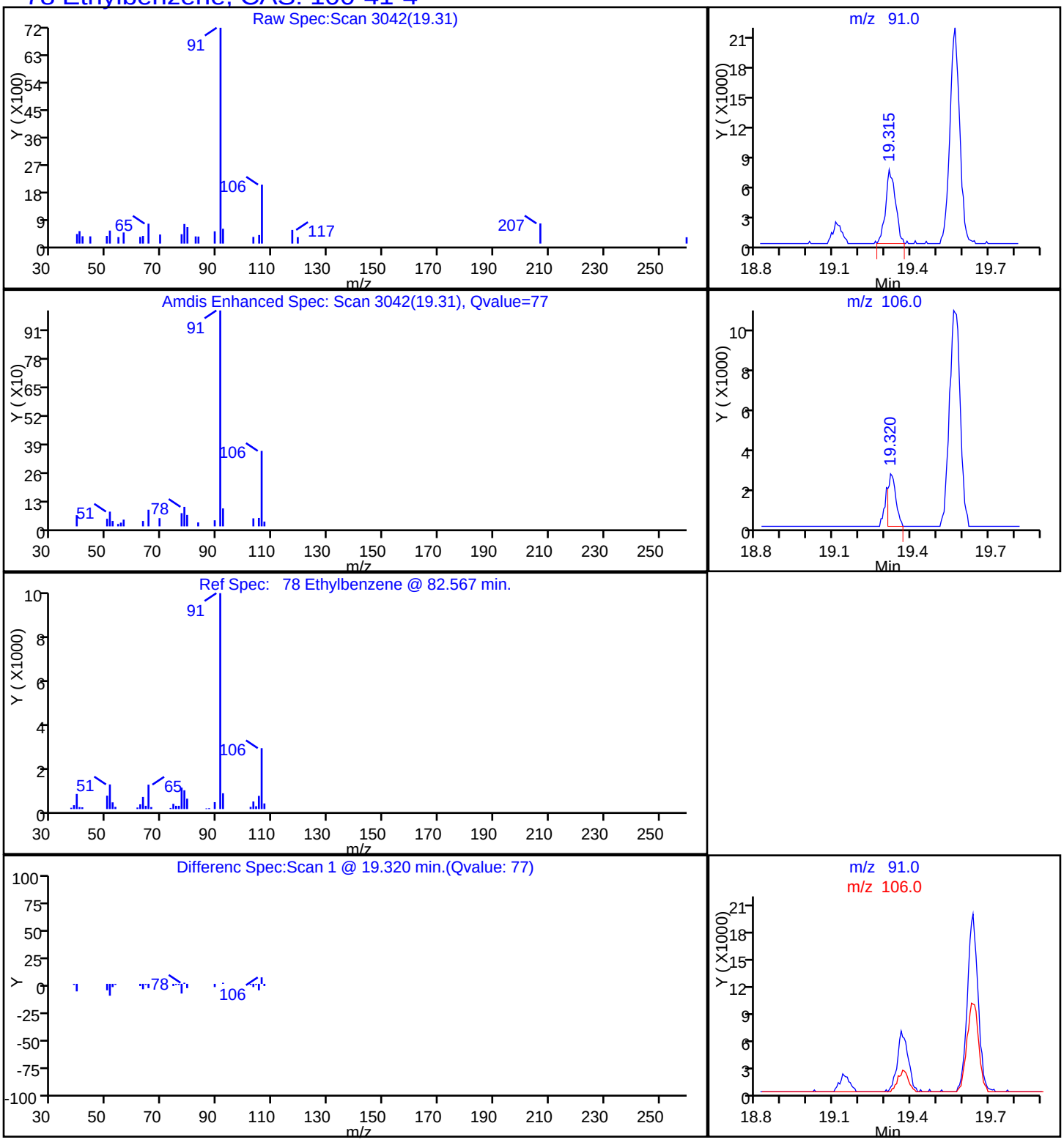
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4

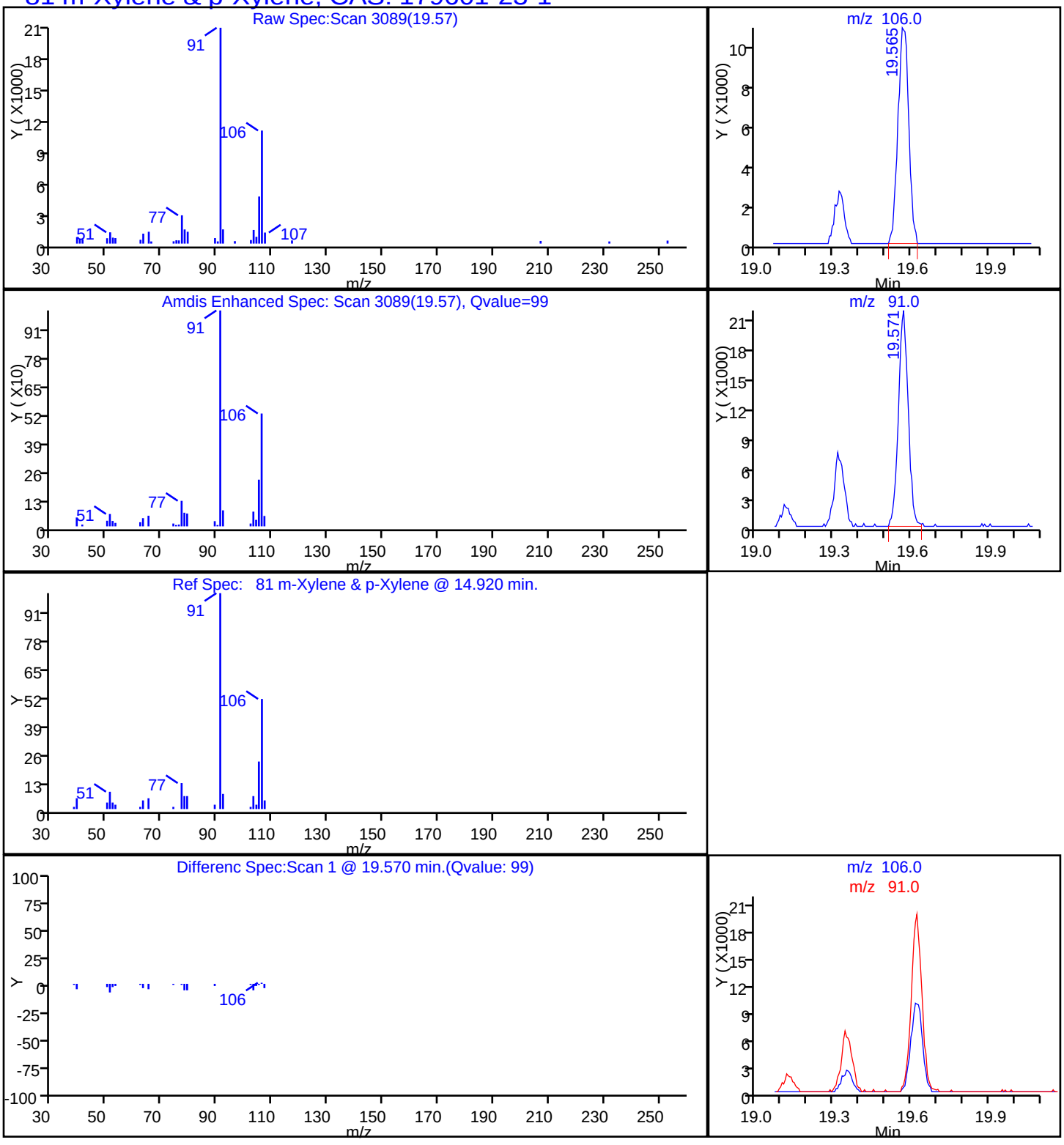


Report Date: 11-Apr-2014 11:51:42 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D				
Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



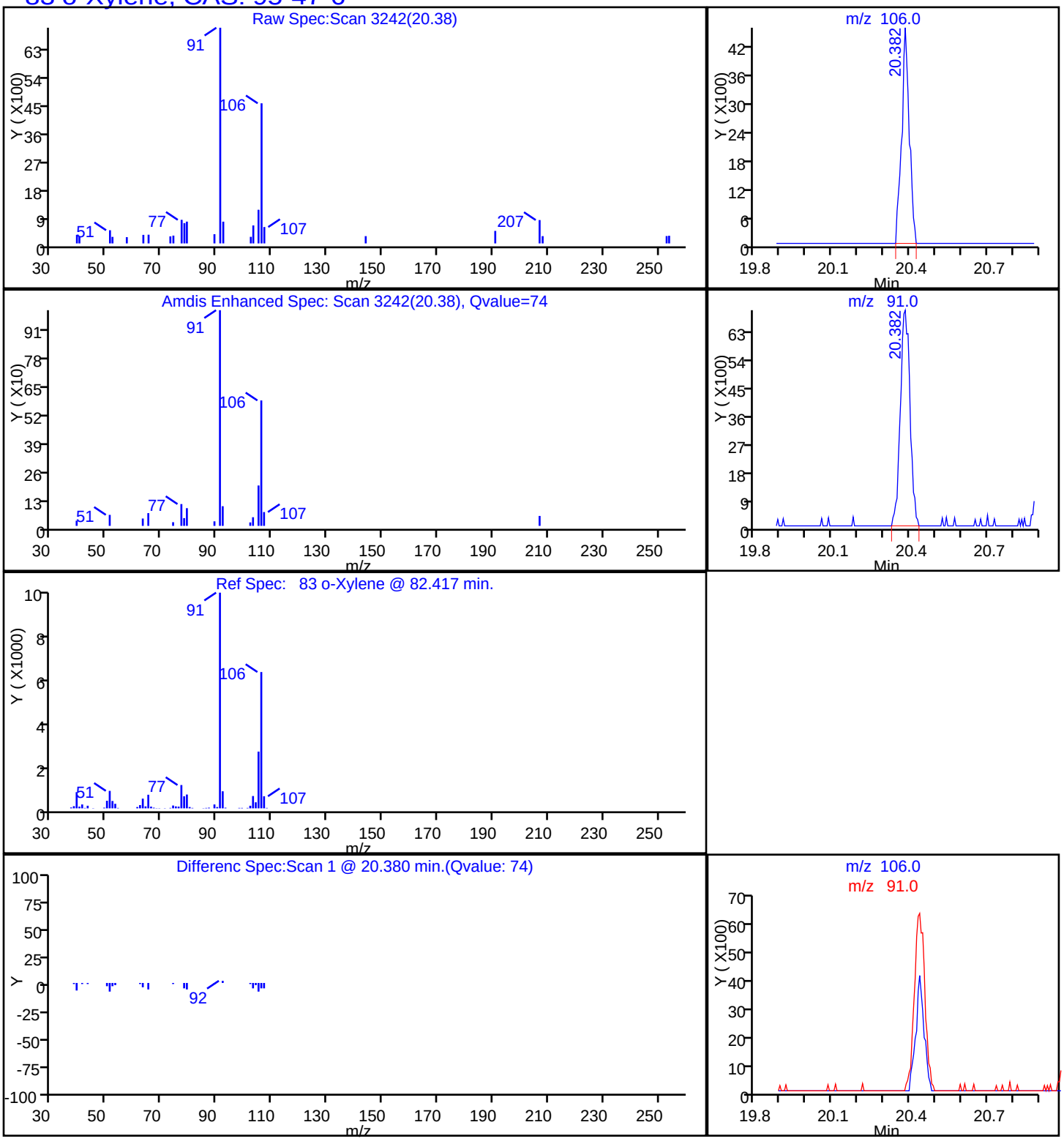
Report Date: 11-Apr-2014 11:51:42 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



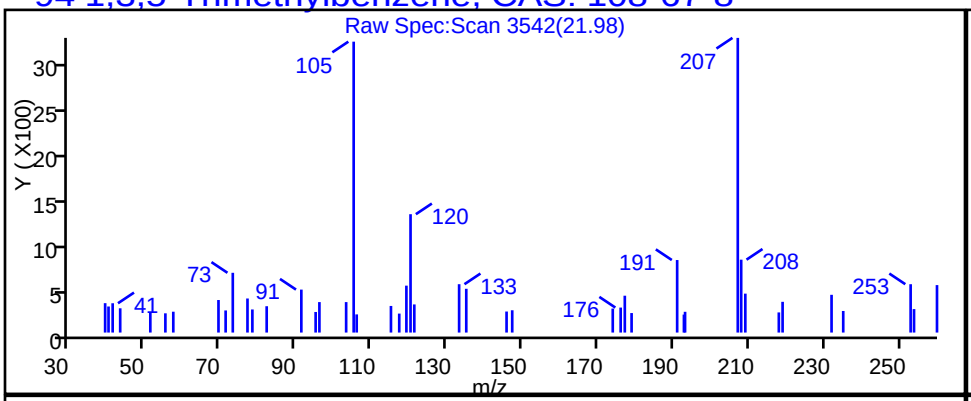
Report Date: 11-Apr-2014 11:51:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

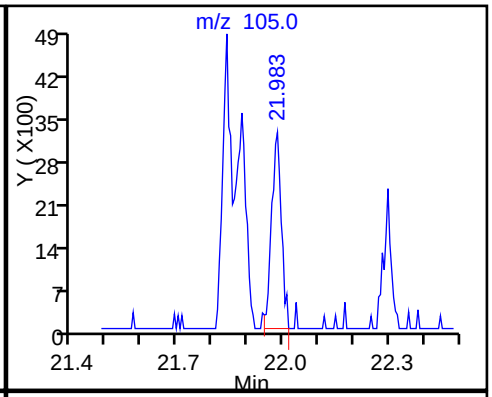
TestAmerica Burlington

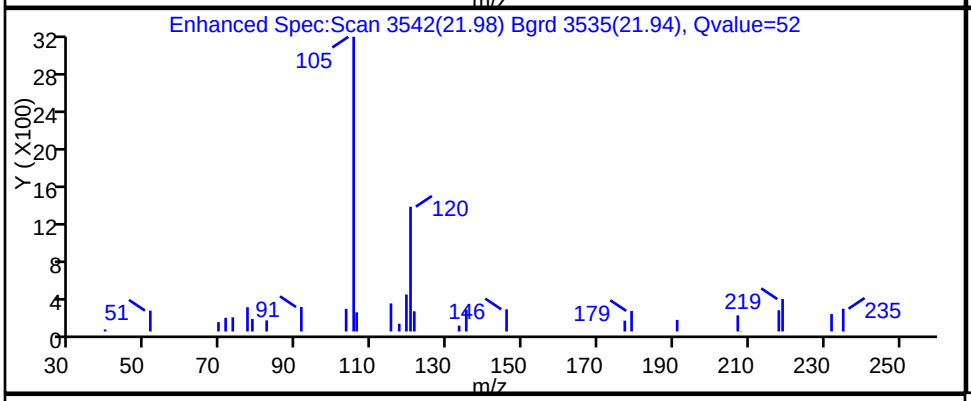
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

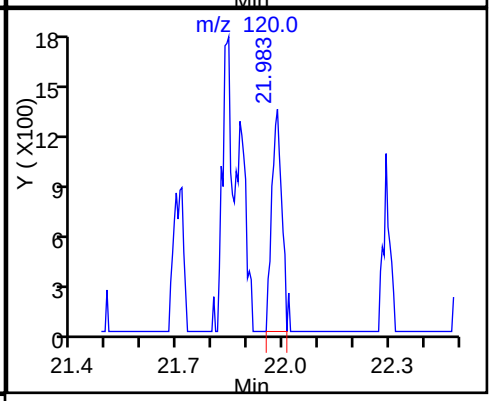
Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

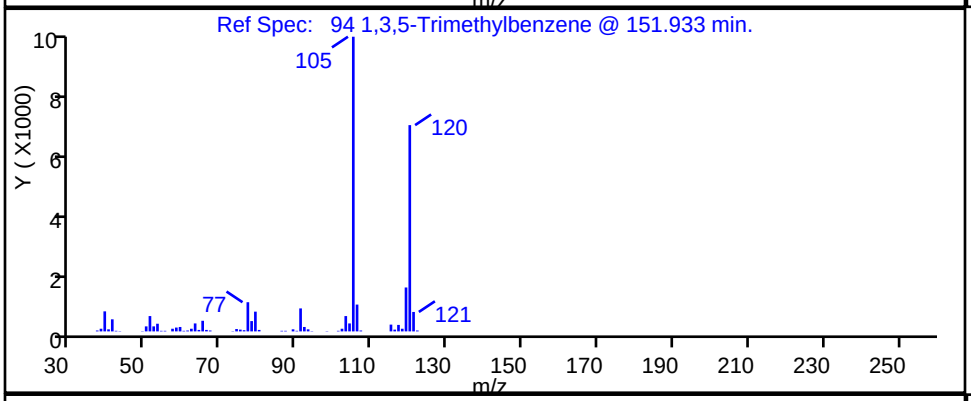
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

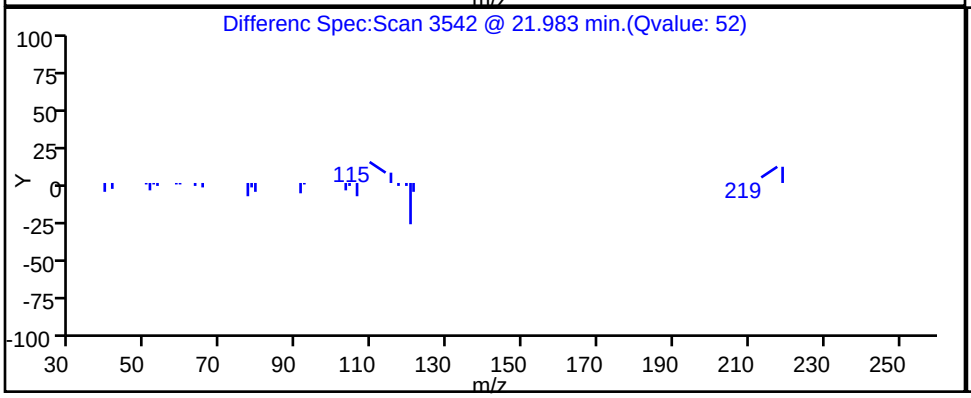


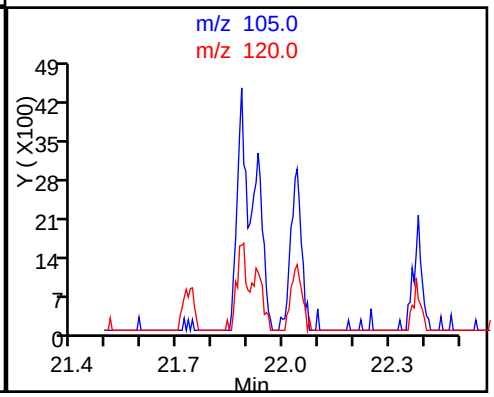












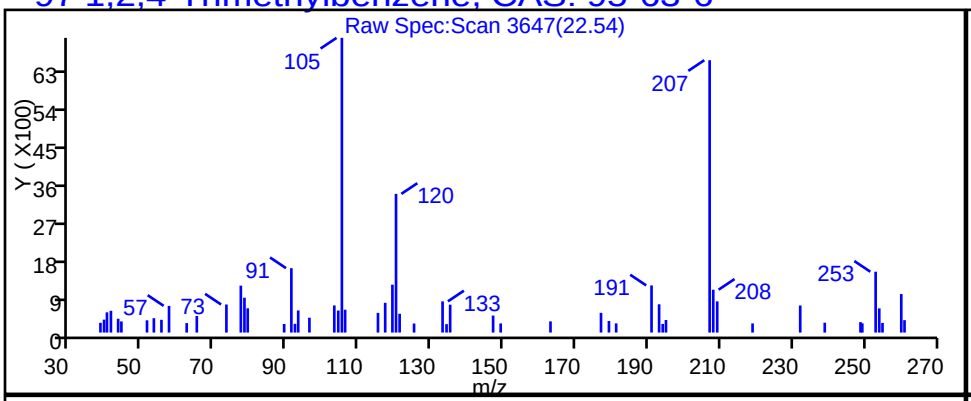
Report Date: 11-Apr-2014 11:51:43 Chrom Revision: 2.2 10-Apr-2014 15:11:30

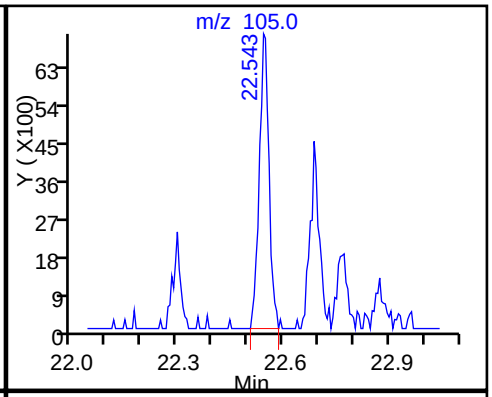
TestAmerica Burlington

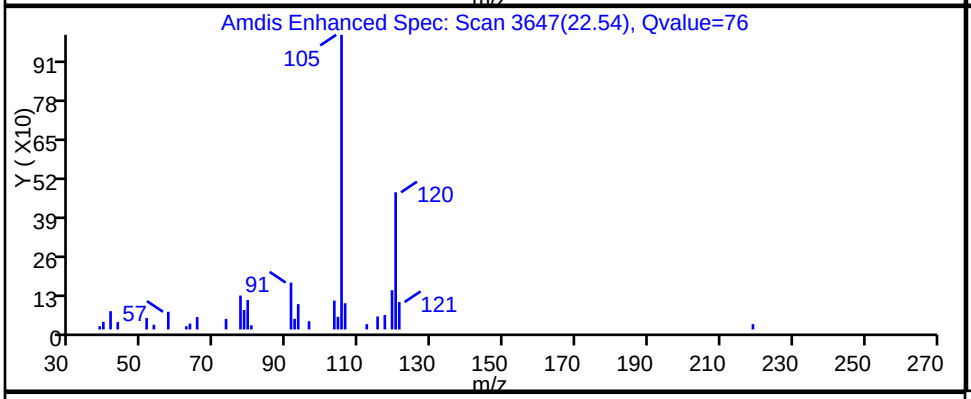
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_23.D

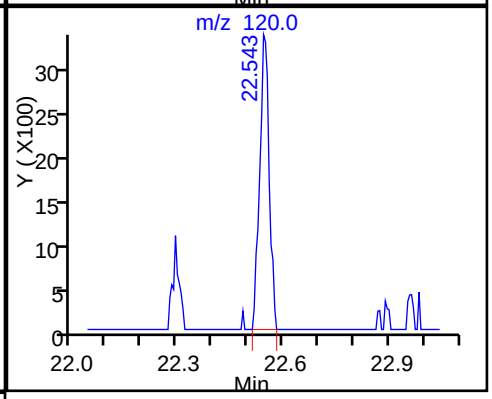
Injection Date:	11-Apr-2014 08:31:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-12	Lab Sample ID:	200-21727-12		
Client ID:	SSDS POST CARBON				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

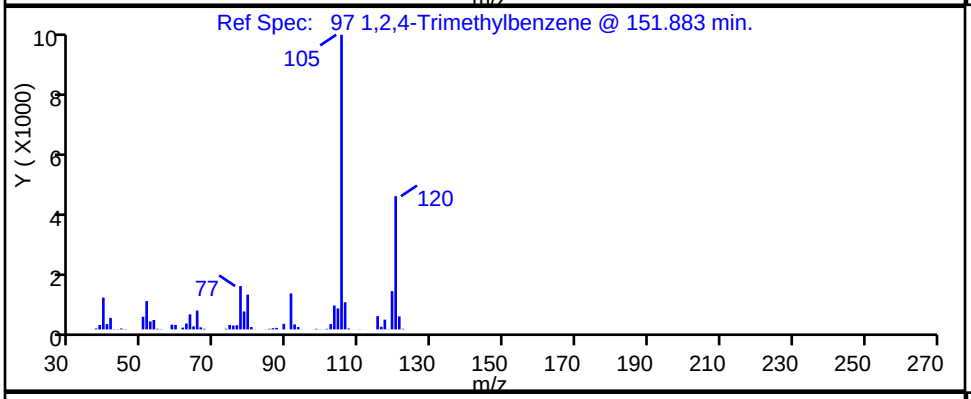
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

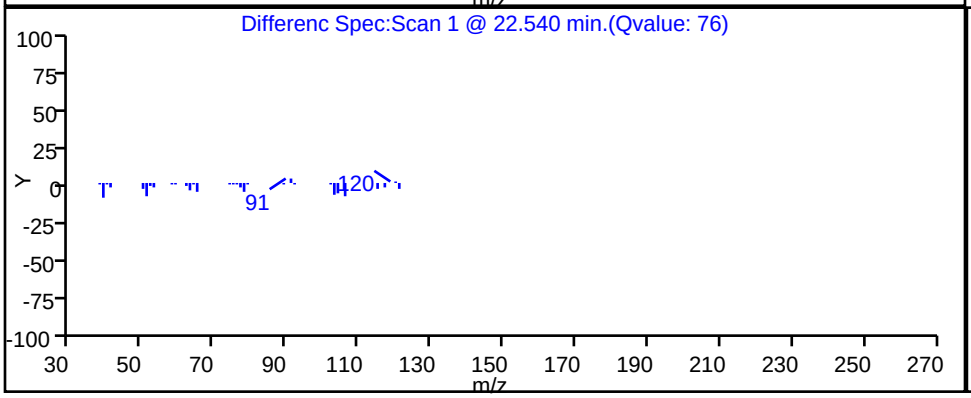


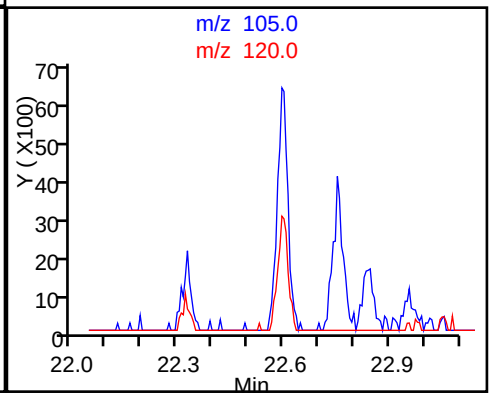












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SSDS MID CARBON Lab Sample ID: 200-21727-13

Matrix: Air Lab File ID: 6977_24.D

Analysis Method: TO-15 Date Collected: 04/04/2014 11:25

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 09:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.95		0.50	0.030
75-45-6	Freon 22	86.47	0.72		0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.34	J	0.50	0.14
106-97-8	n-Butane	58.12	1.7		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	1.3		0.20	0.030
76-13-1	Freon 113	187.38	0.19	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	3.6	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	33		5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	18		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.28		0.20	0.029
110-54-3	Hexane	86.17	0.041	J	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.088	J	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.46		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.74		0.20	0.064
67-66-3	Chloroform	119.38	1.3		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	0.92	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.32		0.20	0.021
110-82-7	Cyclohexane	84.16	0.47		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.049		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.36		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SSDS MID CARBON Lab Sample ID: 200-21727-13

Matrix: Air Lab File ID: 6977_24.D

Analysis Method: TO-15 Date Collected: 04/04/2014 11:25

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 09:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.10		0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.085	J	0.50	0.027
108-88-3	Toluene	92.14	0.76		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.042	J	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.096	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.35	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.11	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.46		0.20	0.034
100-42-5	Styrene	104.15	0.034	J	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.020	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.019	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.048	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SSDS MID CARBON Lab Sample ID: 200-21727-13

Matrix: Air Lab File ID: 6977_24.D

Analysis Method: TO-15 Date Collected: 04/04/2014 11:25

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 09:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SSDS MID CARBON Lab Sample ID: 200-21727-13

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Analysis Method: TO-15 Date Collected: 04/04/2014 11:25

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 09:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	4.7		2.5	0.15
75-45-6	Freon 22	86.47	2.5		1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	0.70	J	1.0	0.28
106-97-8	n-Butane	58.12	3.9		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	7.2		1.1	0.17
76-13-1	Freon 113	187.38	1.5	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	8.6	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	81		12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	63		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	1.1		0.79	0.11
110-54-3	Hexane	86.17	0.14	J	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.36	J	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	1.8		0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	2.9		0.79	0.25
67-66-3	Chloroform	119.38	6.3		0.98	0.12
109-99-9	Tetrahydrofuran	72.11	2.7	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.8		1.1	0.11
110-82-7	Cyclohexane	84.16	1.6		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.31		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	1.1		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SSDS MID CARBON Lab Sample ID: 200-21727-13

Matrix: Air Lab File ID: 6977_24.D

Analysis Method: TO-15 Date Collected: 04/04/2014 11:25

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 09:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.55		0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.35	J	2.0	0.11
108-88-3	Toluene	92.14	2.9		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	0.28	J	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.42	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	1.5	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.48	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	2.0		0.87	0.15
100-42-5	Styrene	104.15	0.14	J	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.10	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.093	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.24	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: SSDS MID CARBON Lab Sample ID: 200-21727-13

Matrix: Air Lab File ID: 6977_24.D

Analysis Method: TO-15 Date Collected: 04/04/2014 11:25

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 09:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D
Lims ID: 200-21727-A-13 Lab Sample ID: 200-21727-13
Client ID: SSDS MID CARBON
Sample Type: Client
Inject. Date: 11-Apr-2014 09:24:30 ALS Bottle#: 3 Worklist Smp#: 24
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006977-024
Misc. Info.: 21727-13
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 11:54:26 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 11:54:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.245	3.256	-0.011	88	129250	0.9550	
6 Chlorodifluoromethane	51	3.309	3.315	-0.006	76	32748	0.7199	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50	3.688	3.699	-0.011	83	7614	0.3402	
9 Butane	43	3.907	3.912	-0.005	95	59401	1.66	
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.049					
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101	5.561	5.567	-0.006	84	214206	1.28	
23 1,1,2-Trichloro-1,2,2-trif	101	6.709	6.714	-0.005	79	19303	0.1908	
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43	7.029	7.034	-0.005	87	140941	3.61	
26 Carbon disulfide	76	7.136	7.136	-0.005	78	4298	0.0447	M
27 Isopropyl alcohol	45	7.344	7.355	-0.011	98	948042	33.1	
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49	7.888	7.894	-0.006	72	510512	18.1	
32 2-Methyl-2-propanol	59		8.155					
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61	8.336	8.326	-0.006	63	12980	0.2765	M
36 Hexane	57	8.726	8.732	-0.006	51	1835	0.0410	
37 1,1-Dichloroethane	63	9.254	9.260	-0.006	60	5882	0.0878	
S 41 1,2-Dichloroethene, Total	61				0		0.7375	
39 cis-1,2-Dichloroethene	96	10.407	10.418	-0.011	82	27381	0.4610	
40 2-Butanone (MEK)	72	10.503	10.498	0.005	93	4937	0.2226	
* 43 Chlorobromomethane	128	10.904	10.909	-0.005	64	525358	10.0	
44 Tetrahydrofuran	42	10.936	10.925	0.011	73	25840	0.9224	
45 Chloroform	83	11.048	11.048	0.000	92	158545	1.29	
46 Cyclohexane	84	11.272	11.272	-0.011	77	33925	0.4704	M
47 1,1,1-Trichloroethane	97	11.320	11.325	-0.005	85	49962	0.3230	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.576	11.581	-0.005	76	9281	0.0492	
51 Isooctane	57		12.035					
50 Benzene	78	12.072	12.083	-0.011	91	58782	0.3559	
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43		12.451					
* 54 1,4-Difluorobenzene	114	12.969	12.980	-0.011	91	2783214	10.0	
56 Trichloroethene	95	13.455	13.460	-0.005	72	10458	0.1031	
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69		14.234					
60 1,4-Dioxane	88		14.303					
62 Dichlorobromomethane	83		14.629					
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43	15.899	15.894	0.005	79	7870	0.0852	
66 Toluene	92	16.171	16.182	-0.011	94	118632	0.7617	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166	17.265	17.265	0.000	71	8396	0.0418	
73 2-Hexanone	43		17.639					
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.112	19.117	-0.005	79	2733200	10.0	
77 Chlorobenzene	112		19.181					
78 Ethylbenzene	91	19.320	19.325	-0.005	81	35232	0.0959	
81 m-Xylene & p-Xylene	106	19.576	19.576	0.000	99	55711	0.3513	
S 82 Xylenes, Total	106				0		0.4610	
83 o-Xylene	106	20.382	20.387	-0.005	87	16995	0.1096	
84 Styrene	104	20.435	20.435	0.000	61	8100	0.0338	
85 Bromoform	173		20.836					
$ 87 4-Bromofluorobenzene	95	21.369	21.375	-0.006	95	1777860	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91		21.706					
91 4-Ethyltoluene	105	21.882	21.882	0.000	64	9471	0.0205	
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105	21.978	21.983	-0.005	70	7713	0.0188	
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105	22.543	22.549	-0.006	88	20057	0.0481	
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119		22.965					
100 1,3-Dichlorobenzene	146	23.008	23.008	0.000	54	3342	0.009685	
101 1,4-Dichlorobenzene	146	23.136	23.141	-0.005	42	3201	0.009236	
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
105 1,2-Dichlorobenzene	146		23.696					
107 1,2,4-Trichlorobenzene	180		26.322					
108 Hexachlorobutadiene	225	26.514	26.509	0.005	28	3471	0.0143	
109 Naphthalene	128		26.850					

QC Flag Legend

Review Flags
M - Manually Integrated

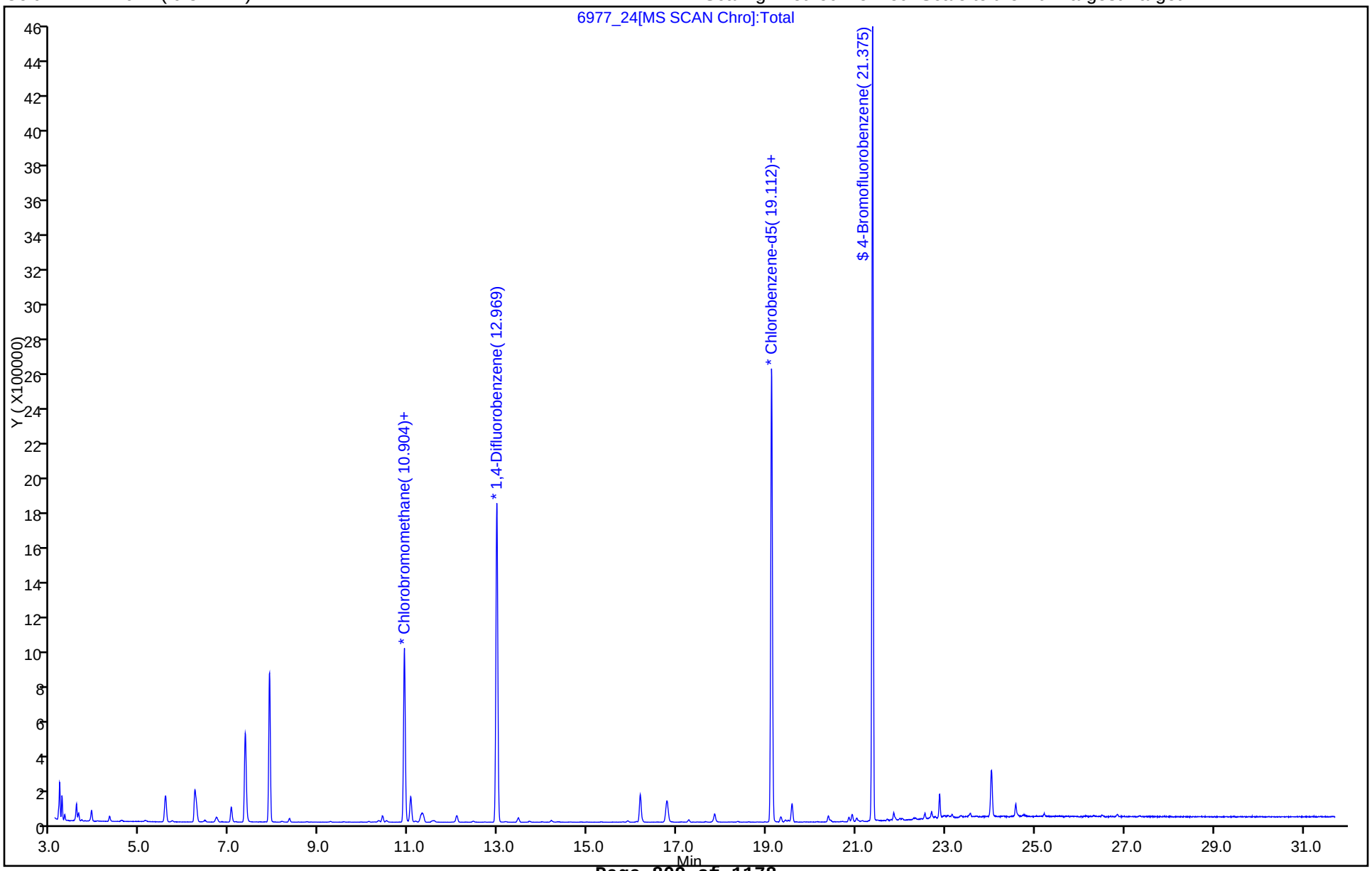
Report Date: 11-Apr-2014 11:54:26 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13	Worklist Smp#:	24
Client ID:	SSDS MID CARBON				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



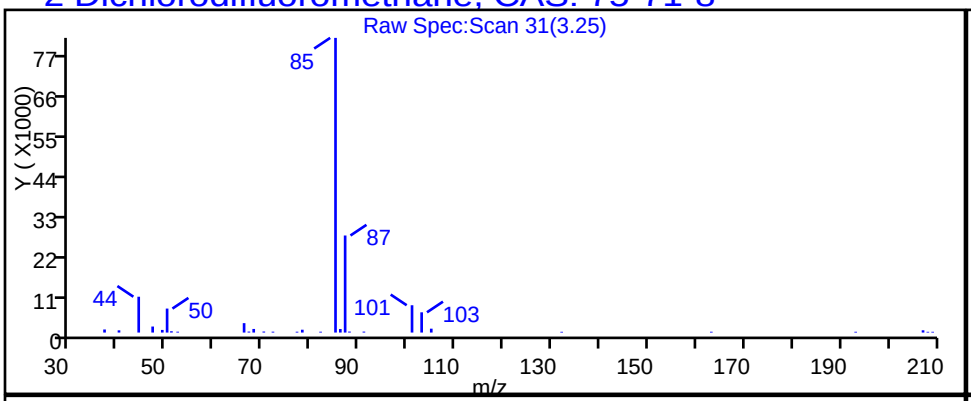
Report Date: 11-Apr-2014 11:54:26 Chrom Revision: 2.2 10-Apr-2014 15:11:30

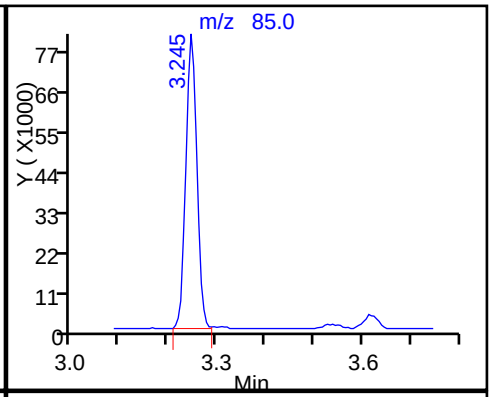
TestAmerica Burlington

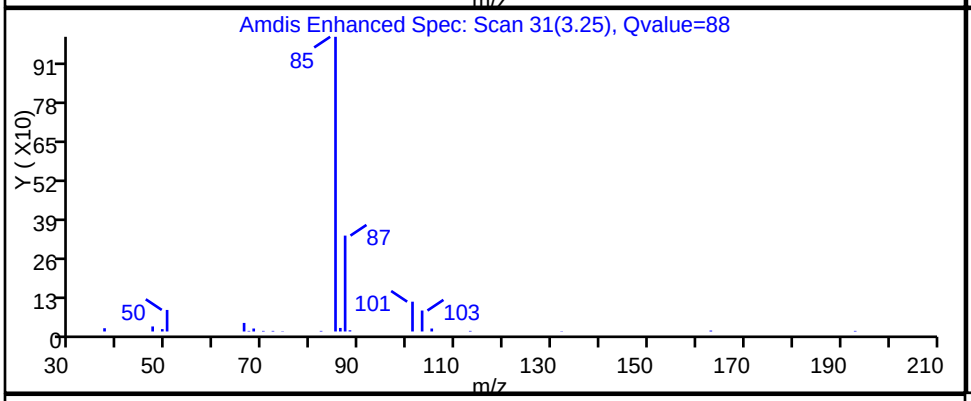
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

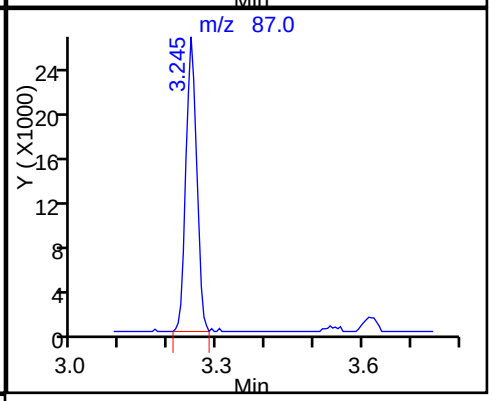
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

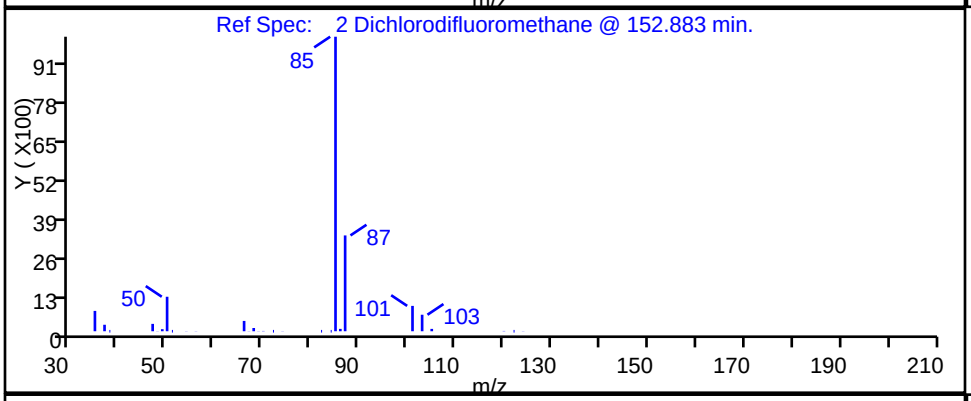
2 Dichlorodifluoromethane, CAS: 75-71-8

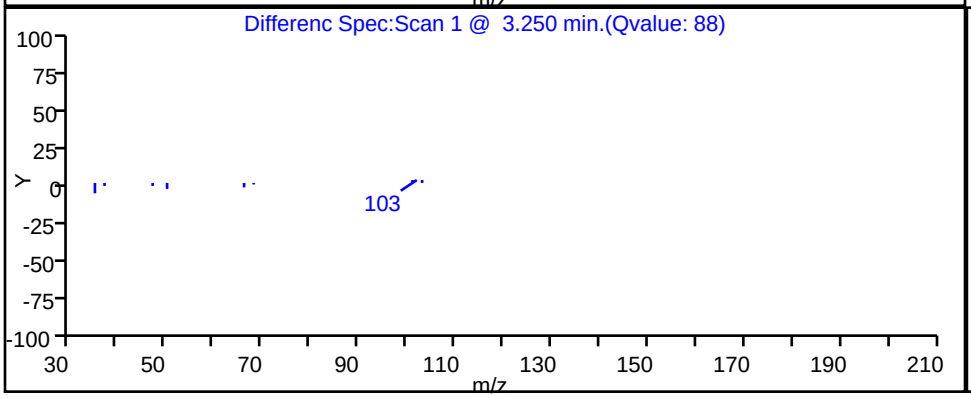


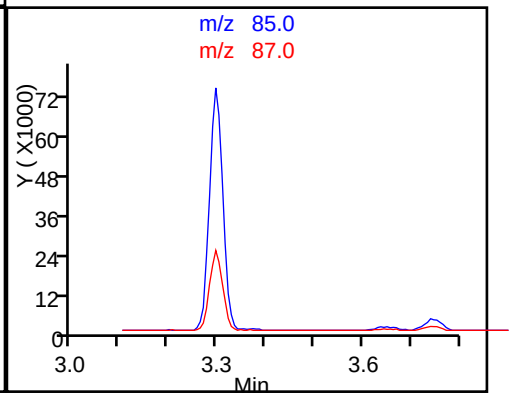












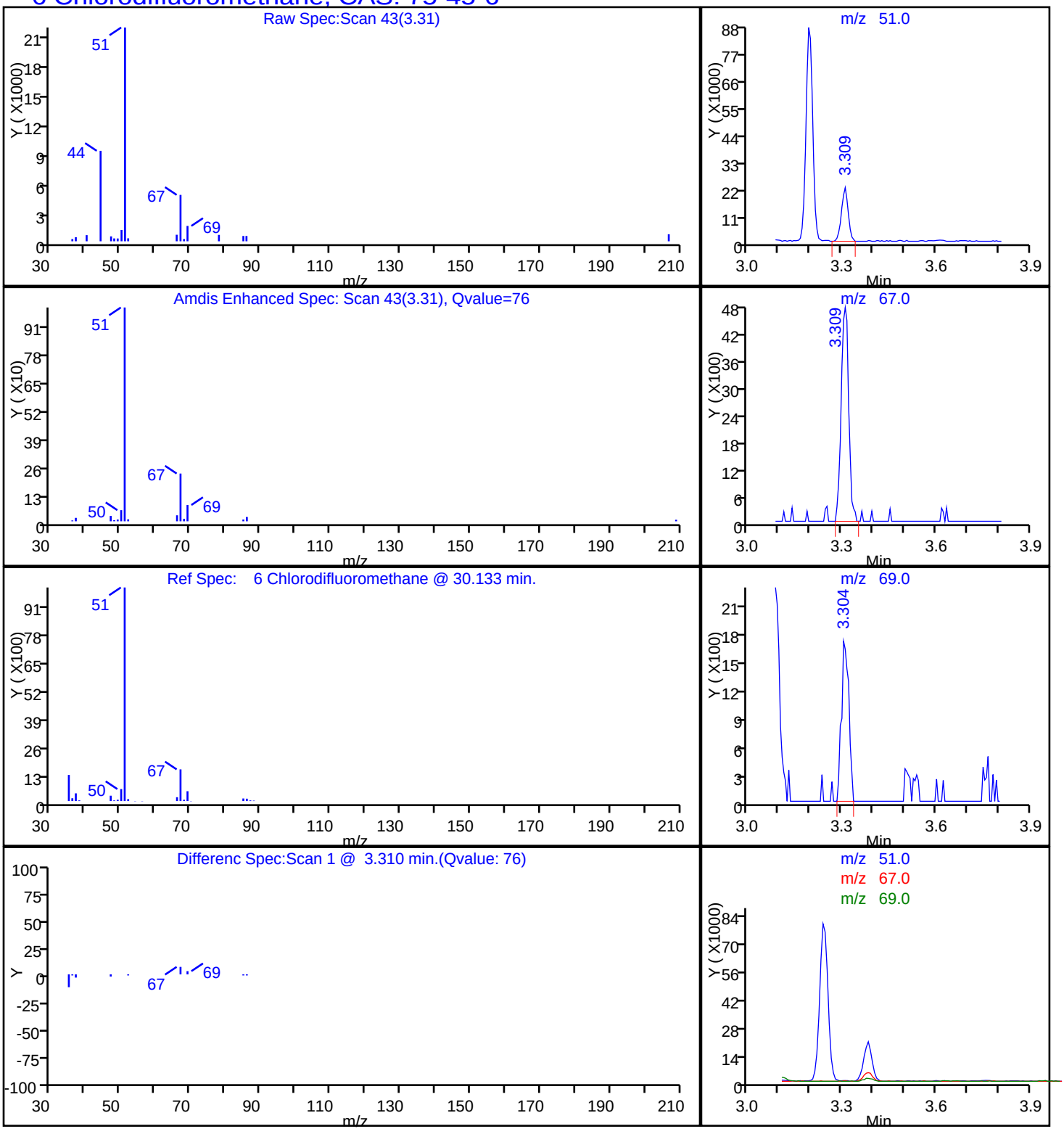
Report Date: 11-Apr-2014 11:54:26 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



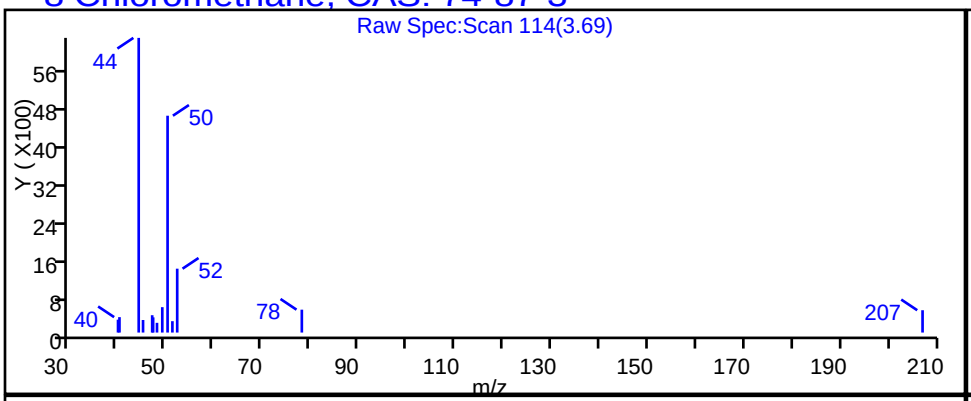
Report Date: 11-Apr-2014 11:54:26 Chrom Revision: 2.2 10-Apr-2014 15:11:30

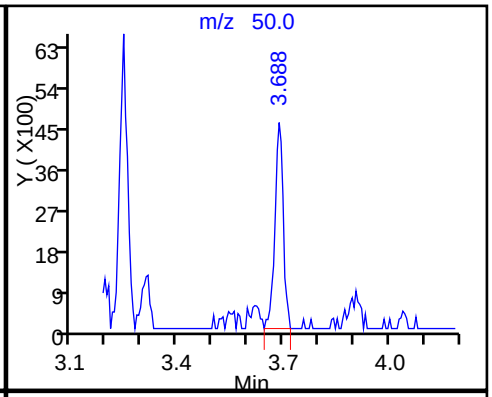
TestAmerica Burlington

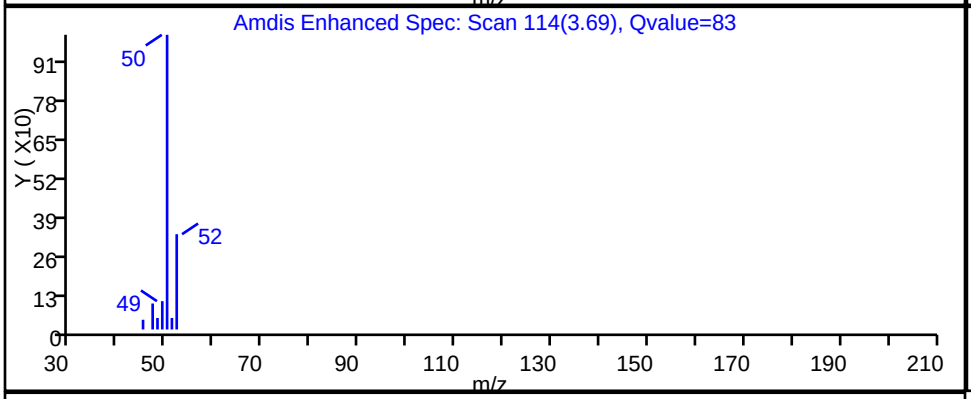
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

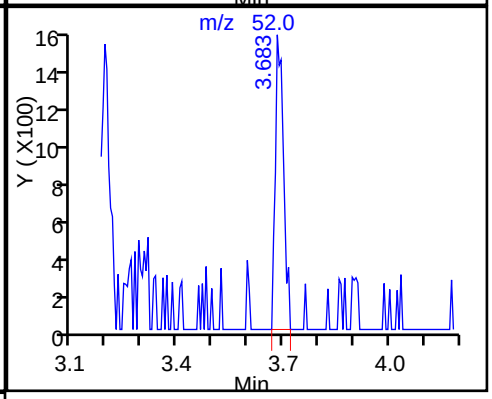
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

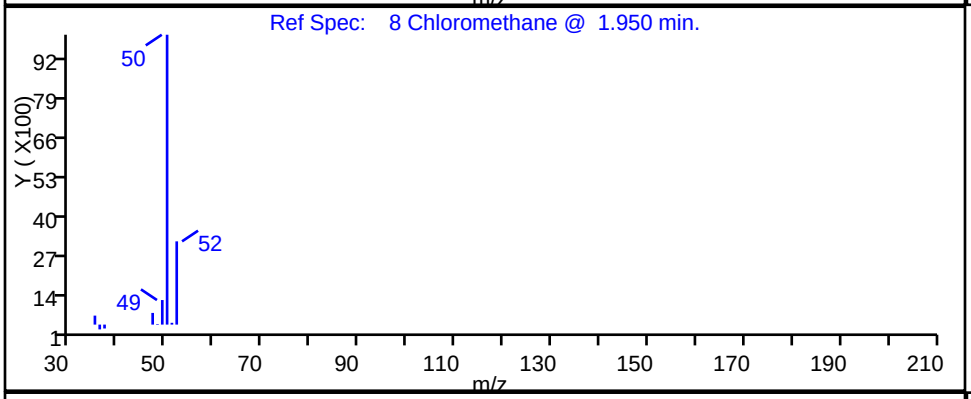
8 Chloromethane, CAS: 74-87-3

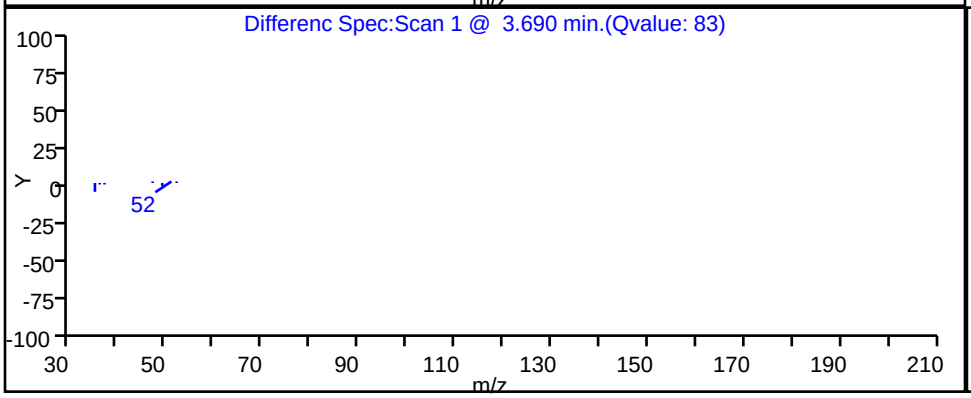


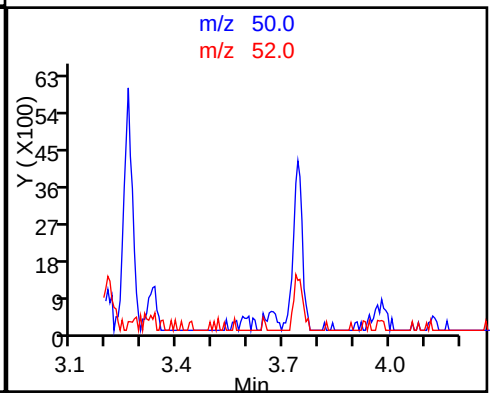












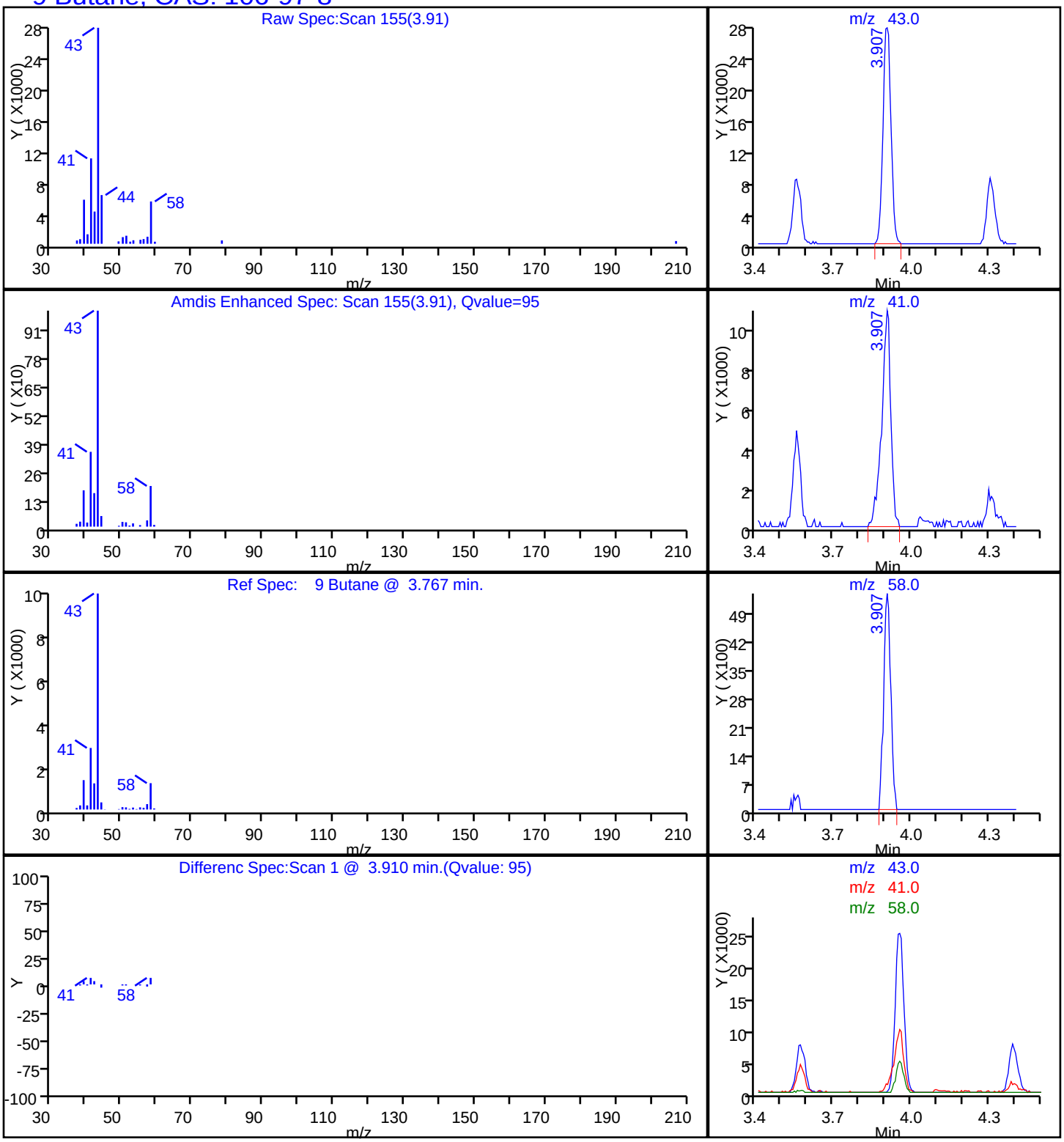
Report Date: 11-Apr-2014 11:54:26 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



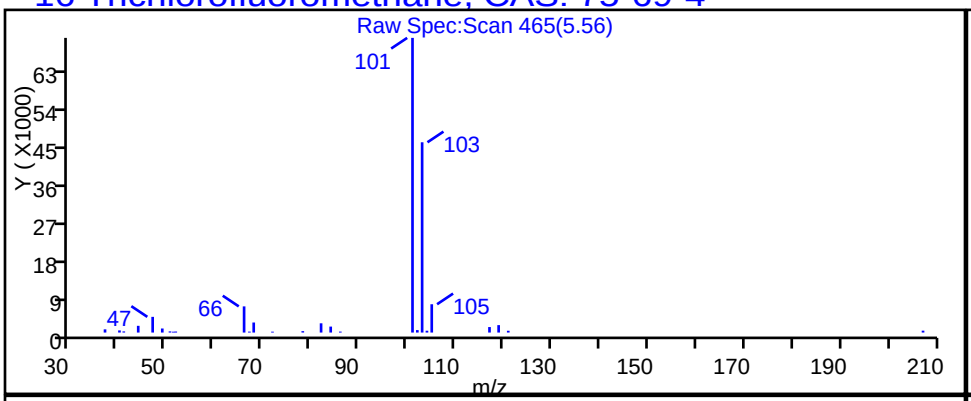
Report Date: 11-Apr-2014 11:54:26 Chrom Revision: 2.2 10-Apr-2014 15:11:30

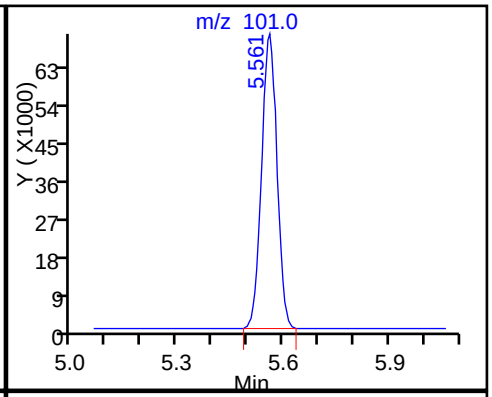
TestAmerica Burlington

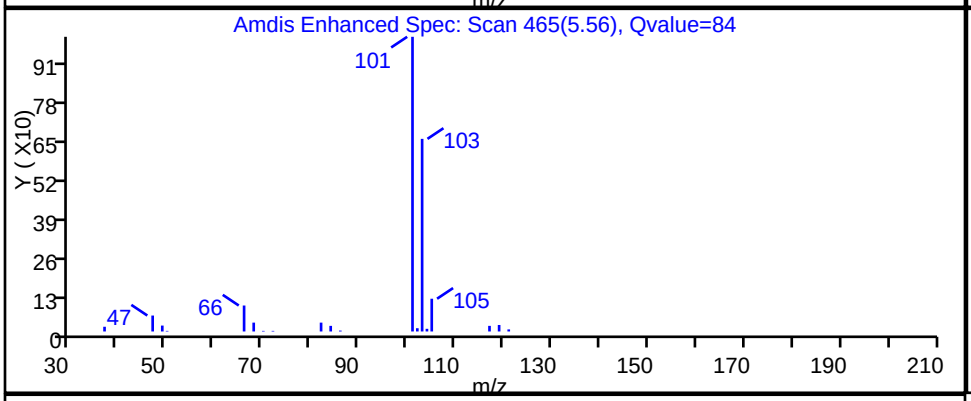
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

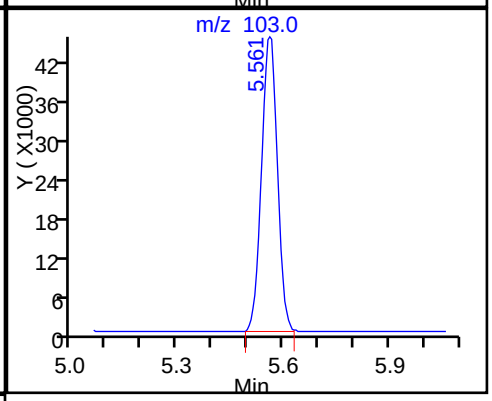
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

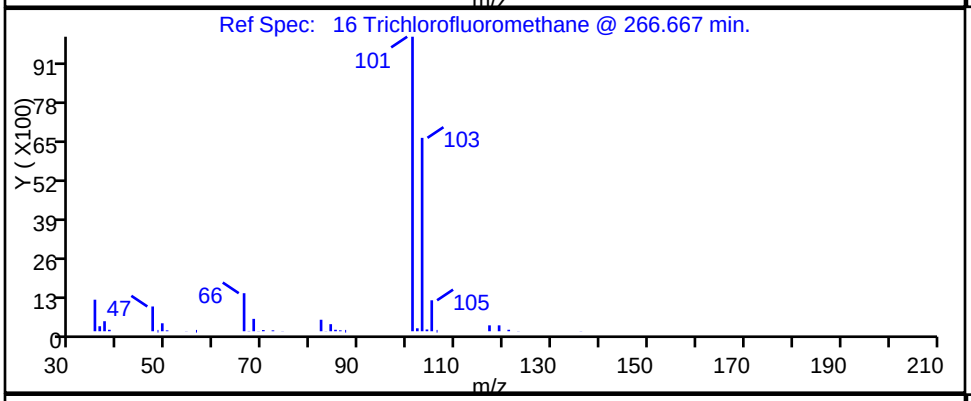
16 Trichlorofluoromethane, CAS: 75-69-4

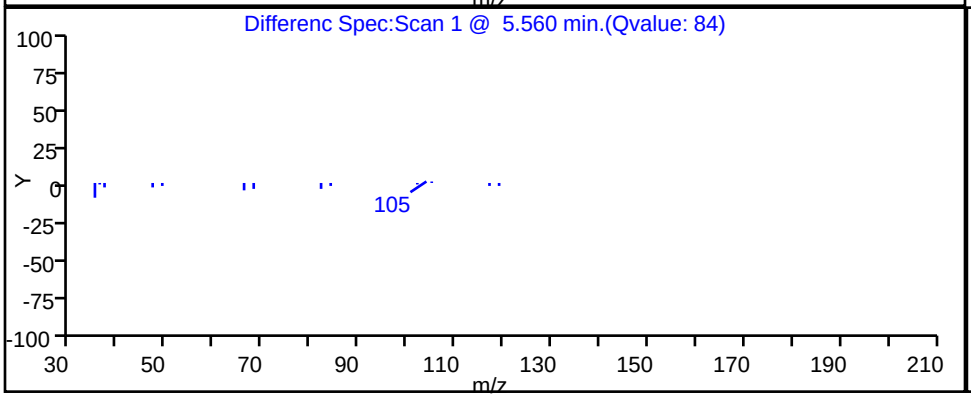


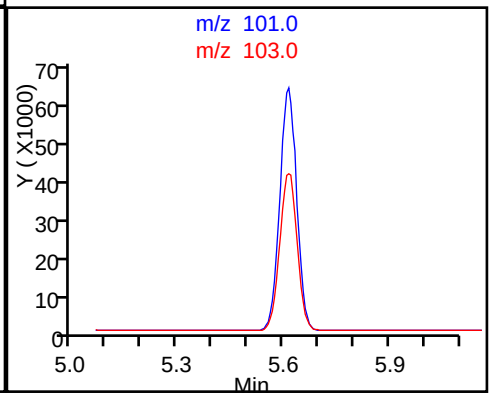












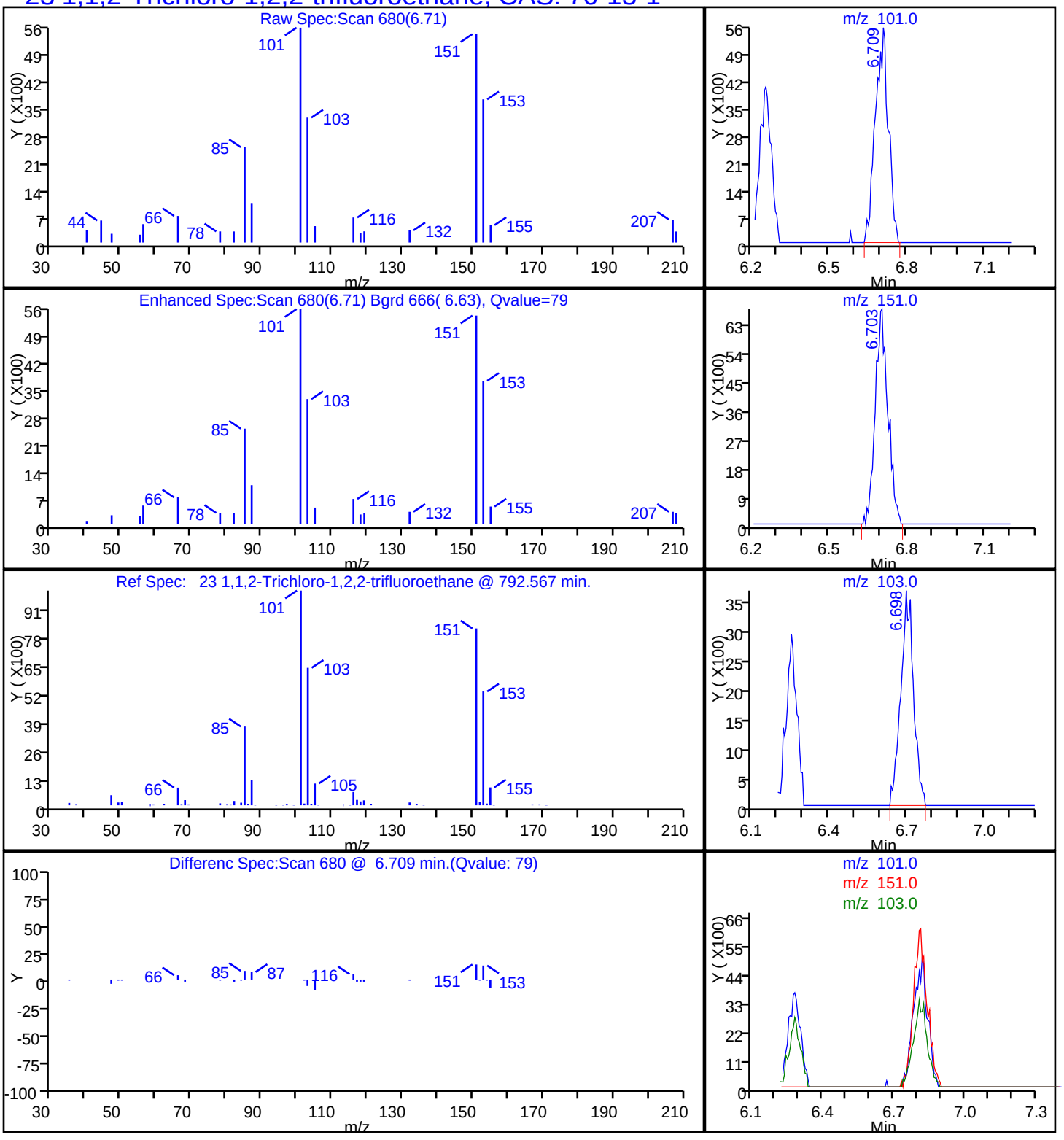
Report Date: 11-Apr-2014 11:54:26 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



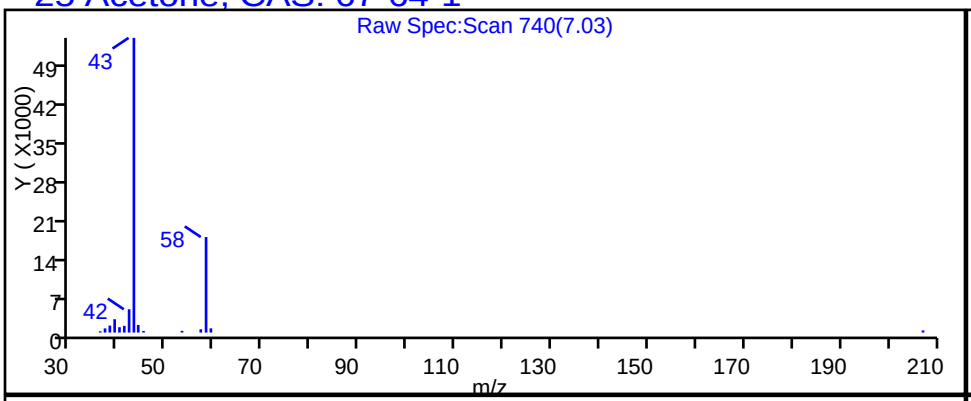
Report Date: 11-Apr-2014 11:54:27 Chrom Revision: 2.2 10-Apr-2014 15:11:30

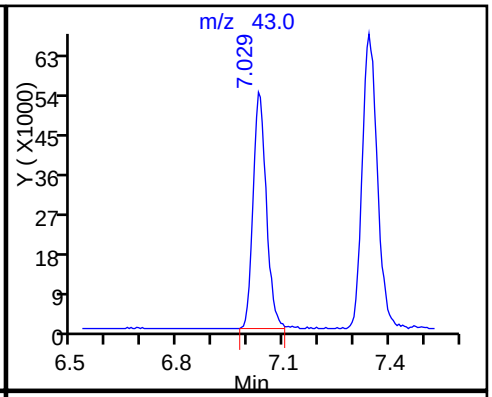
TestAmerica Burlington

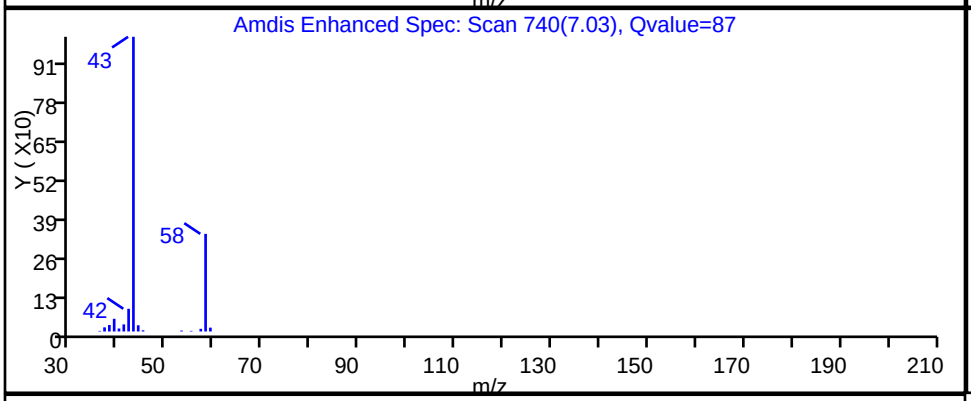
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

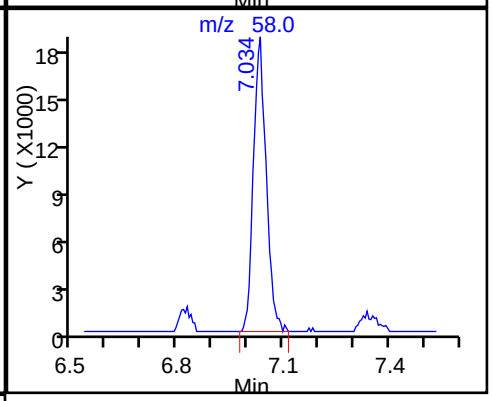
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

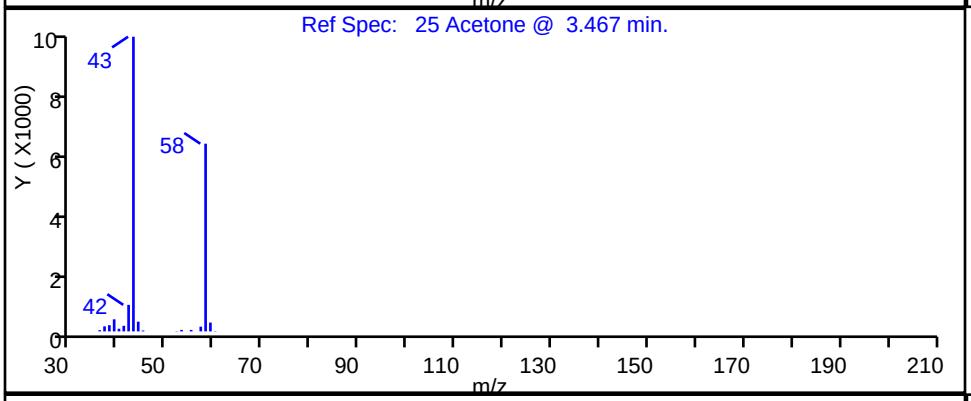
25 Acetone, CAS: 67-64-1

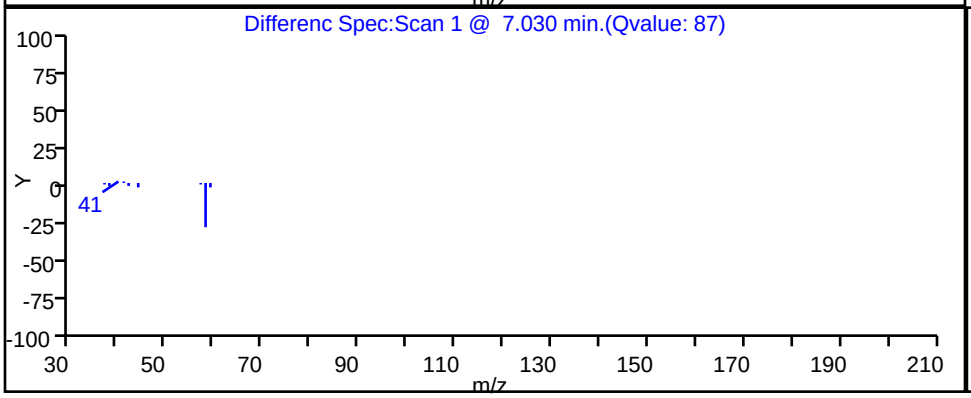


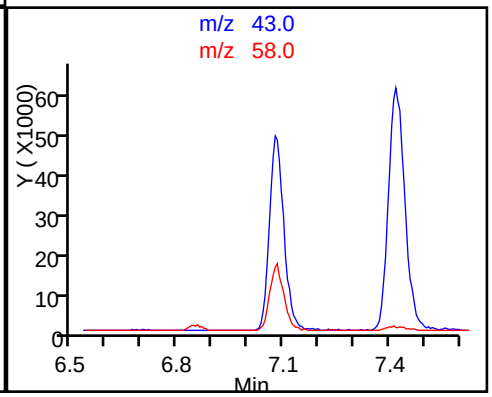












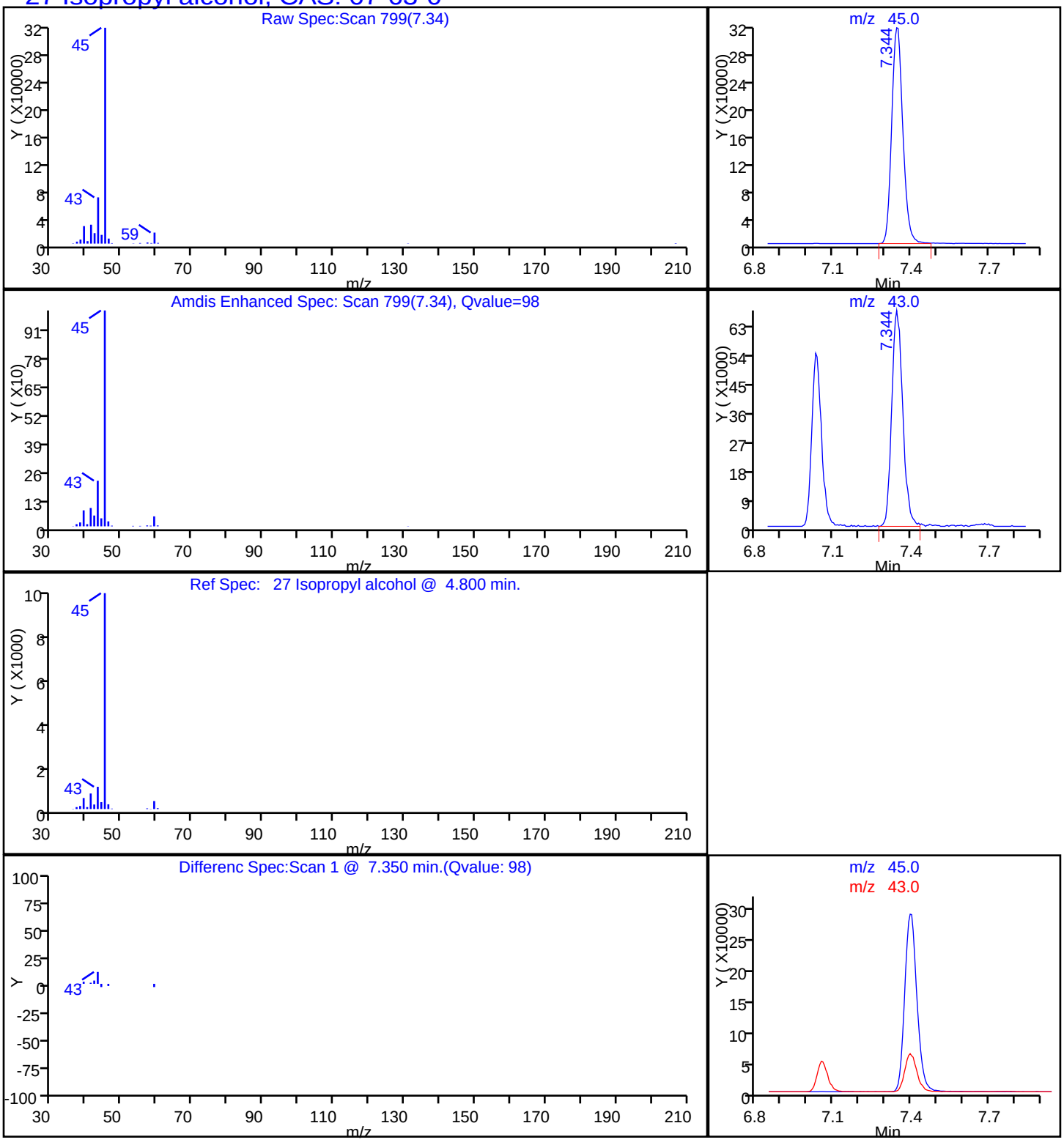
Report Date: 11-Apr-2014 11:54:27 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



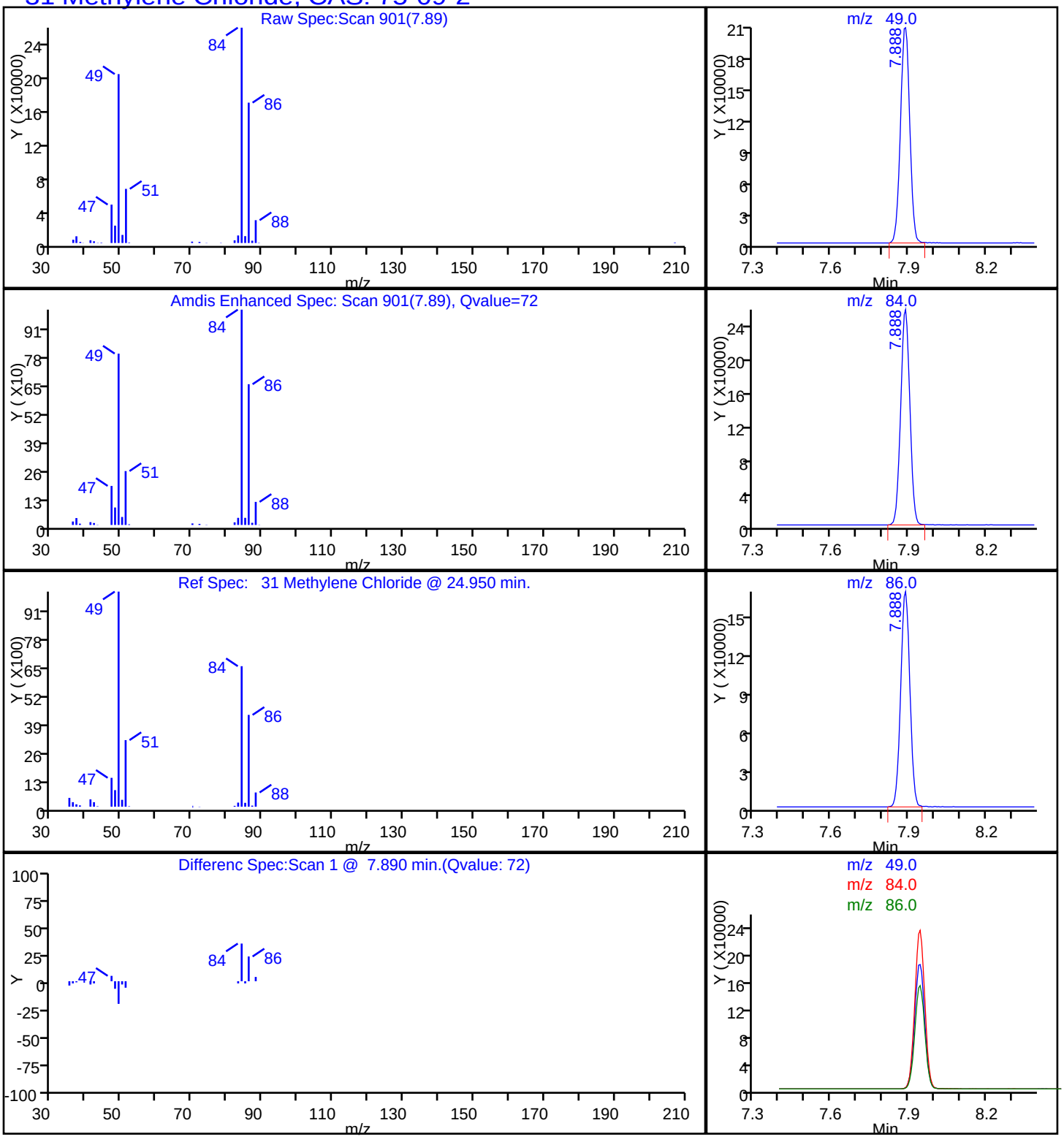
Report Date: 11-Apr-2014 11:54:27 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



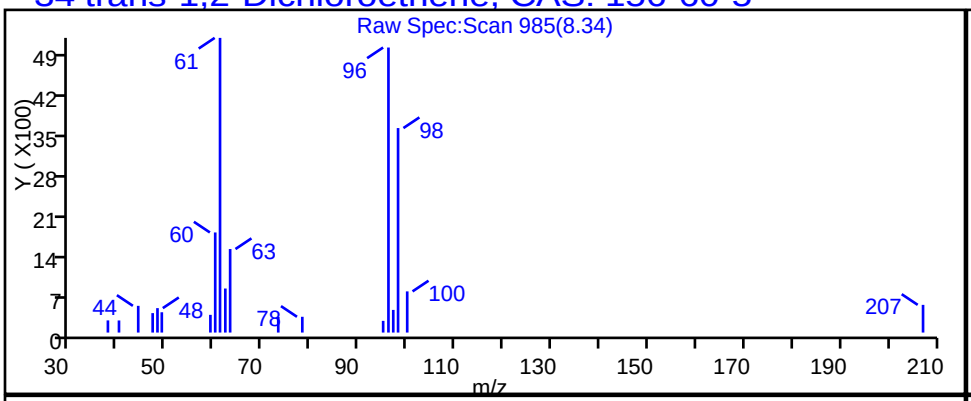
Report Date: 11-Apr-2014 11:54:27 Chrom Revision: 2.2 10-Apr-2014 15:11:30

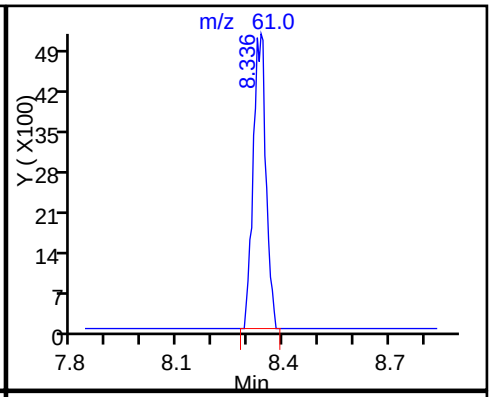
TestAmerica Burlington

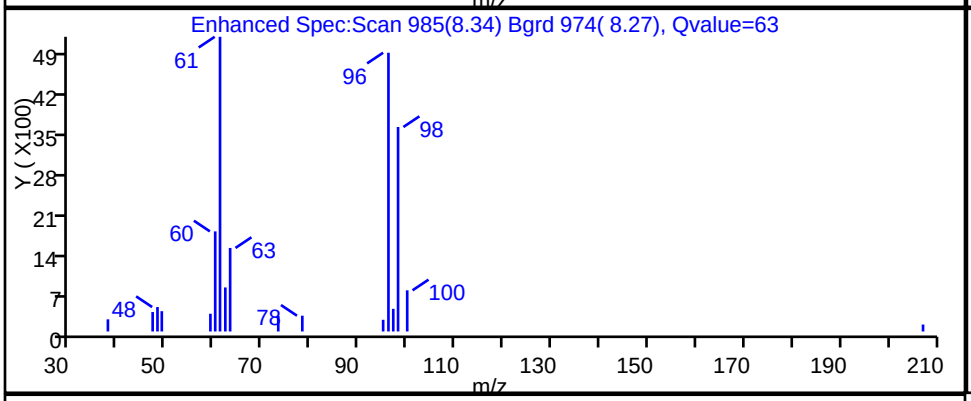
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

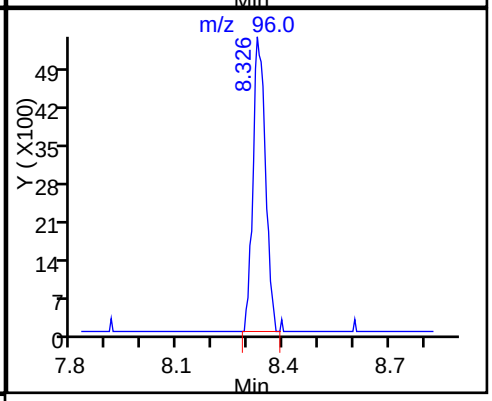
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

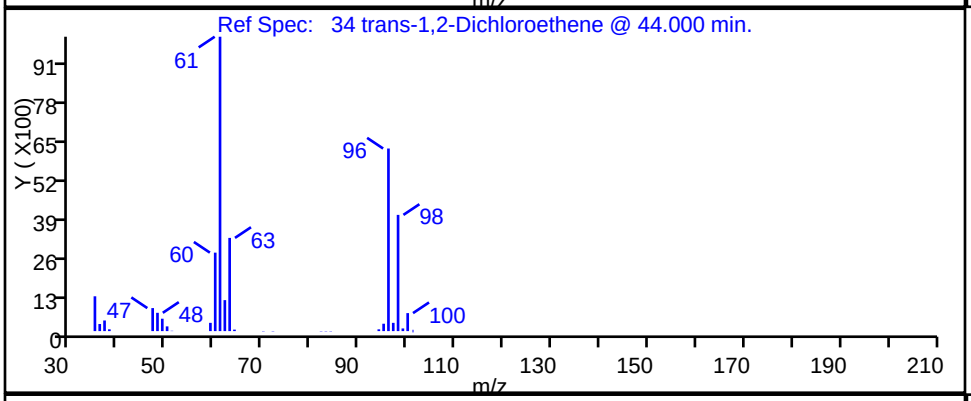
34 trans-1,2-Dichloroethene, CAS: 156-60-5

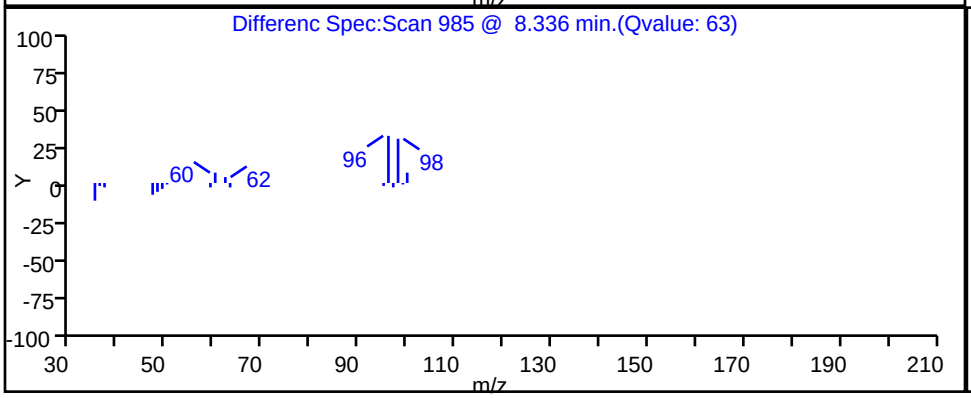


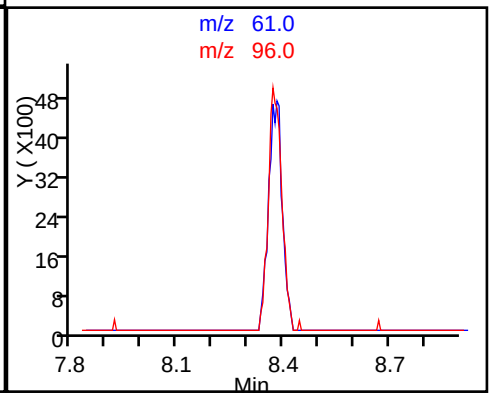












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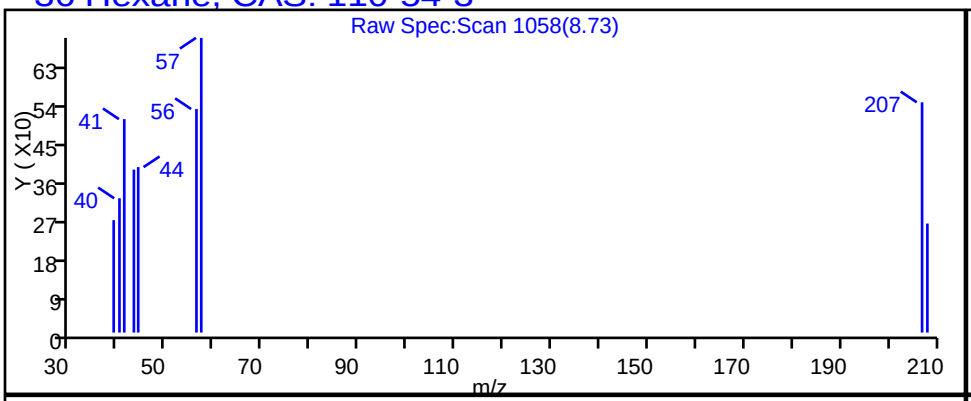
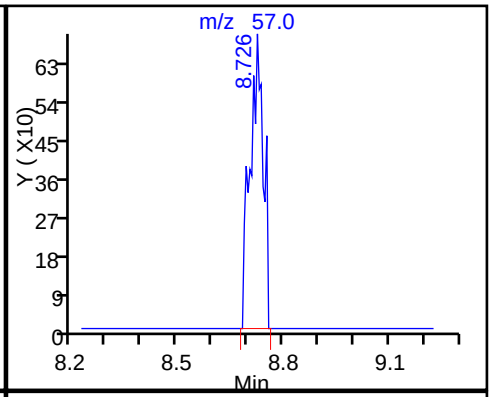
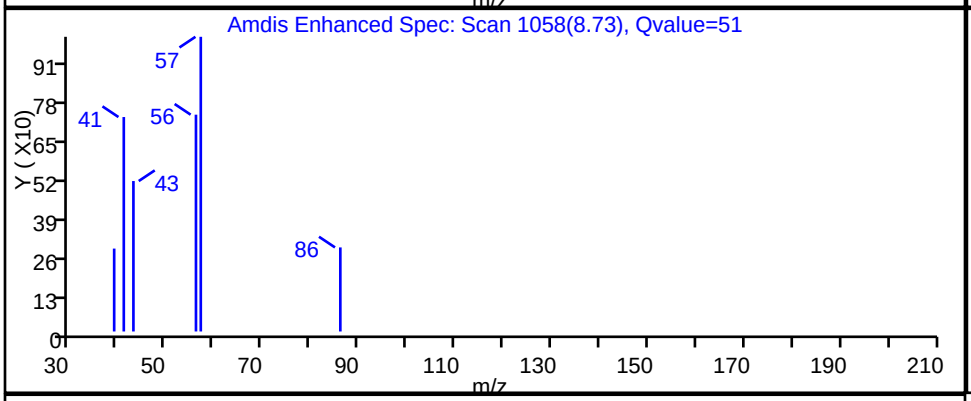
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

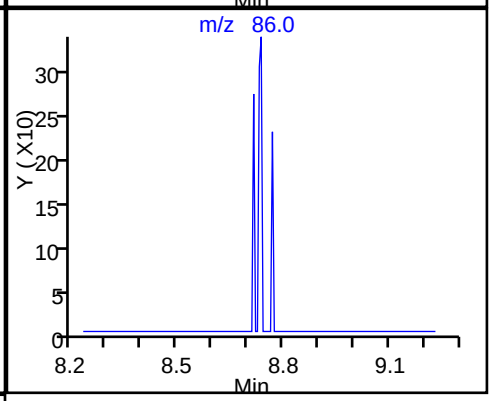
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

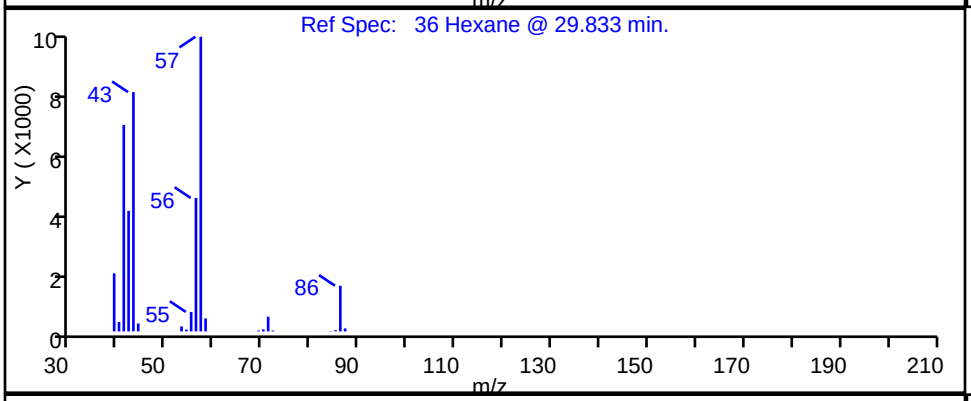
36 Hexane, CAS: 110-54-3

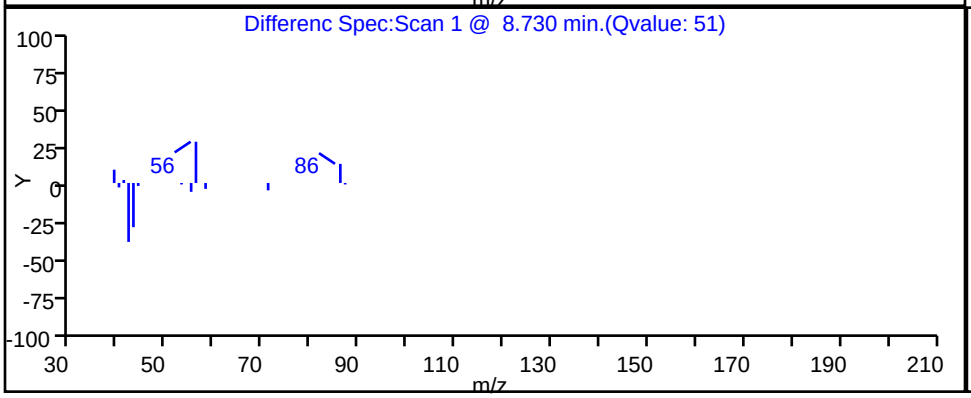


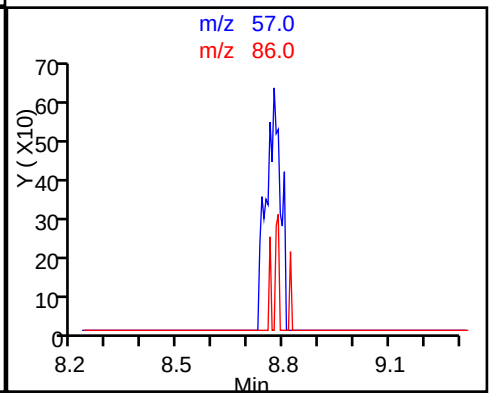












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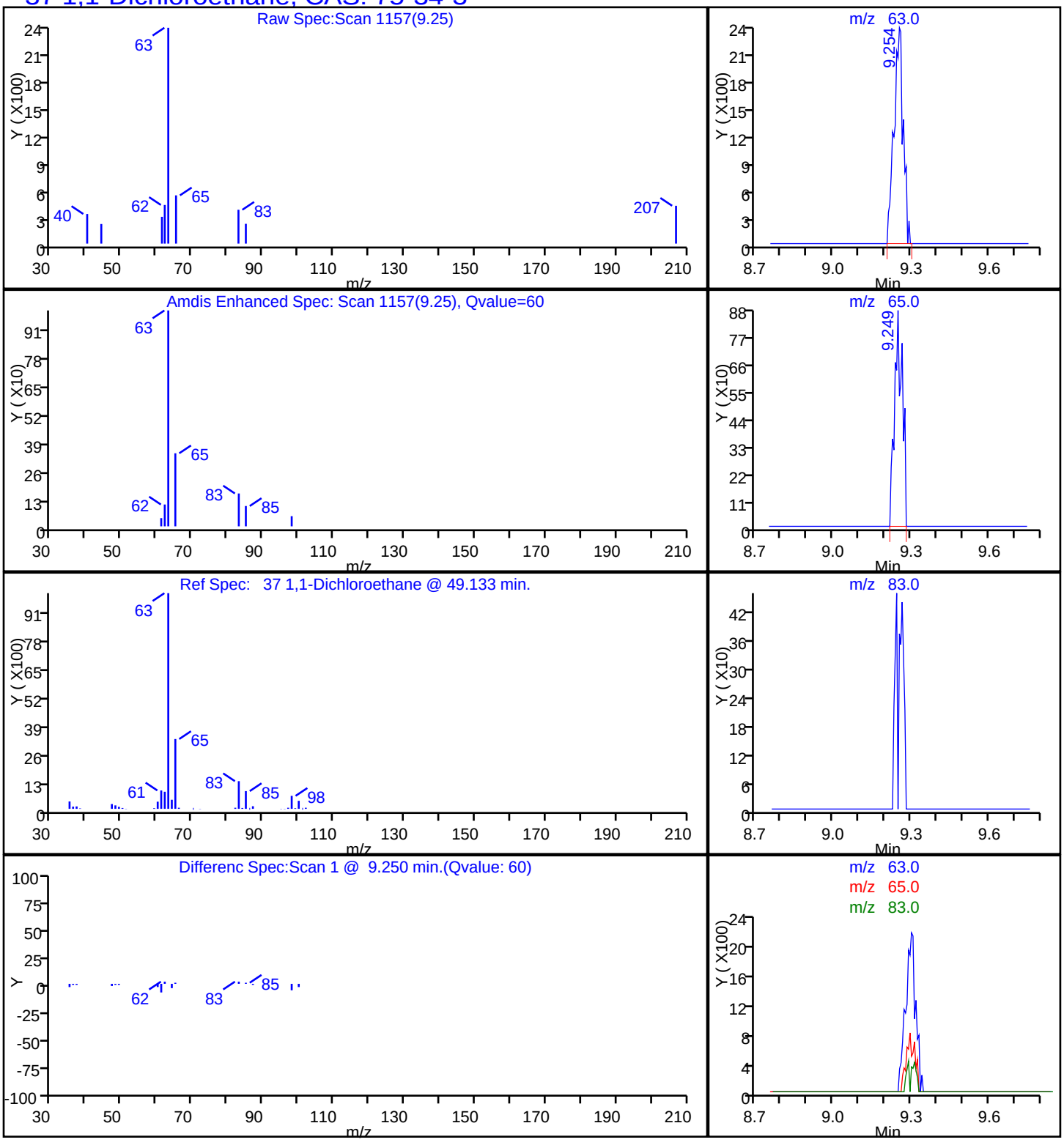
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



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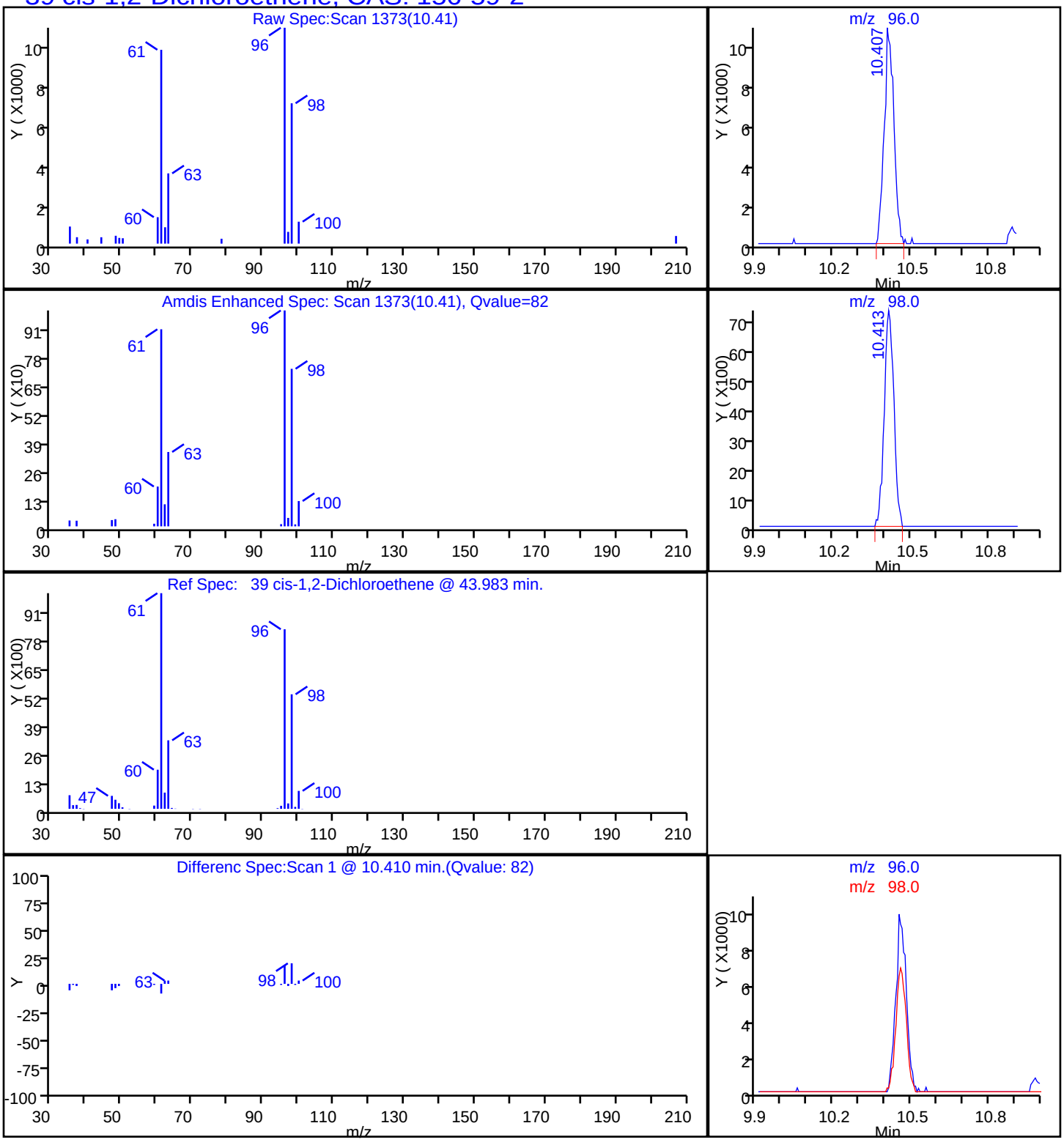
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2



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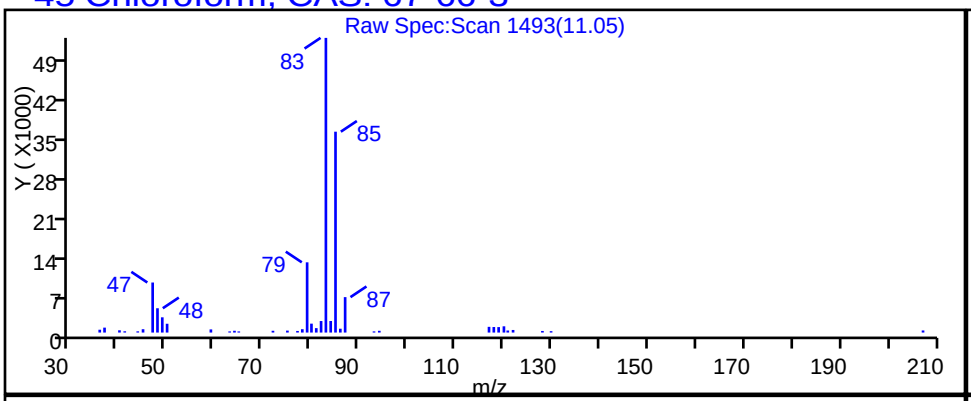
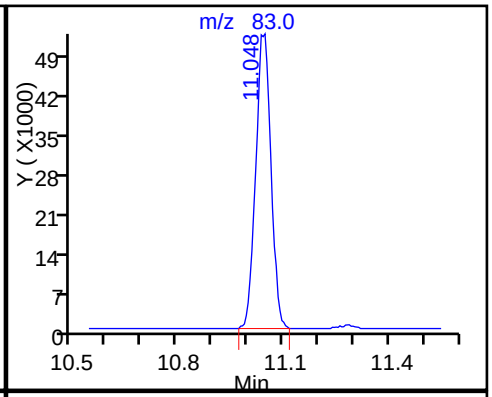
TestAmerica Burlington

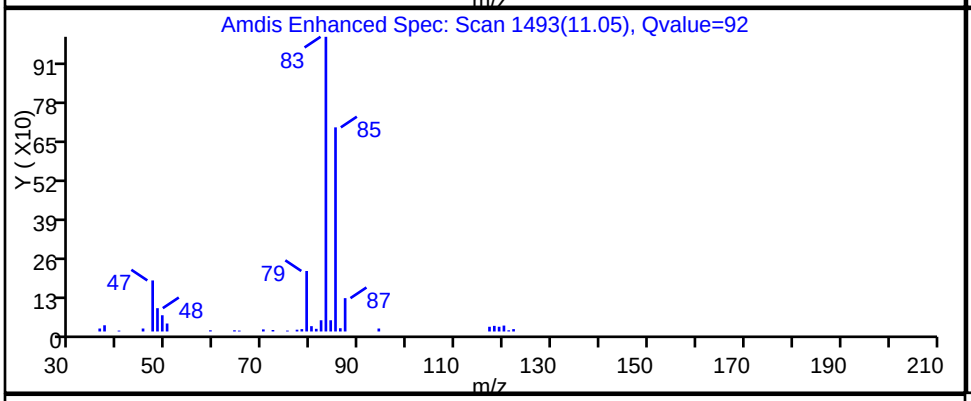
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

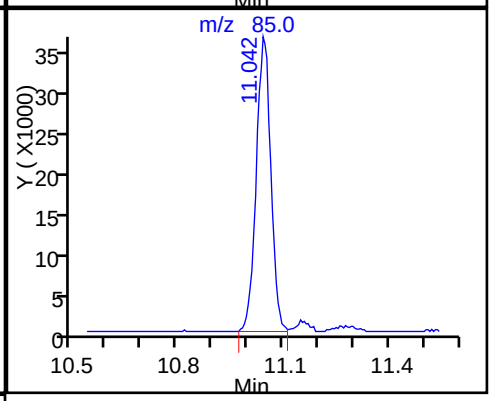
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

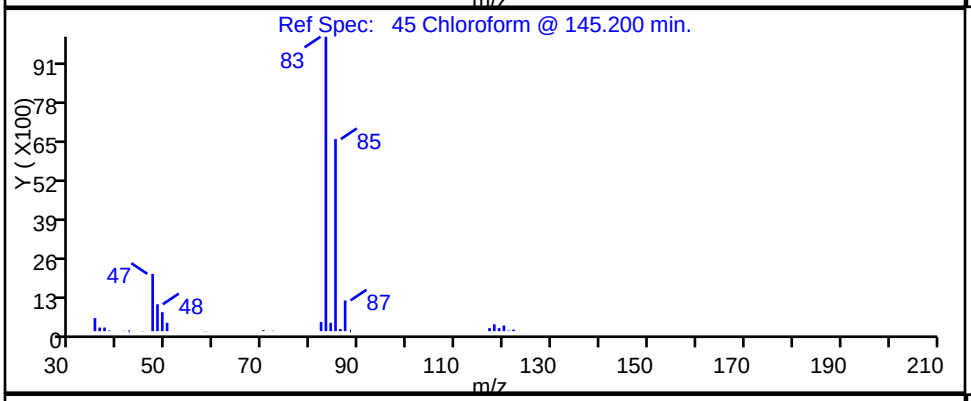
45 Chloroform, CAS: 67-66-3

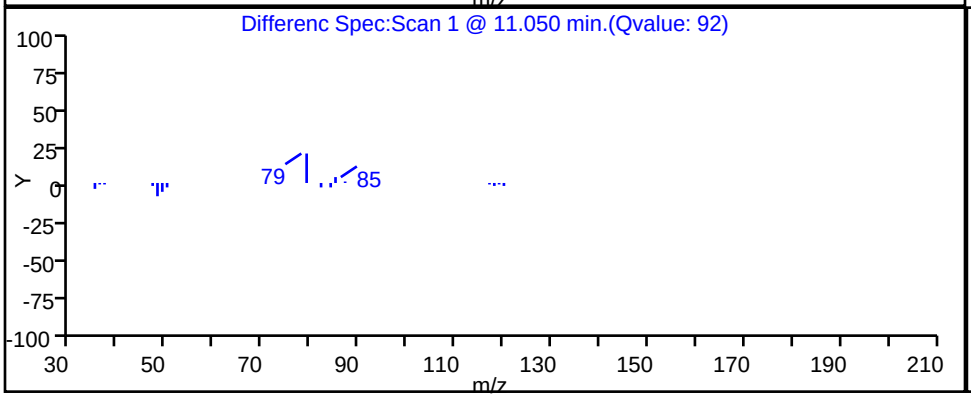


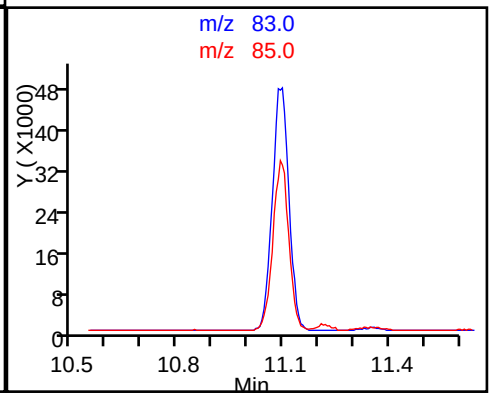












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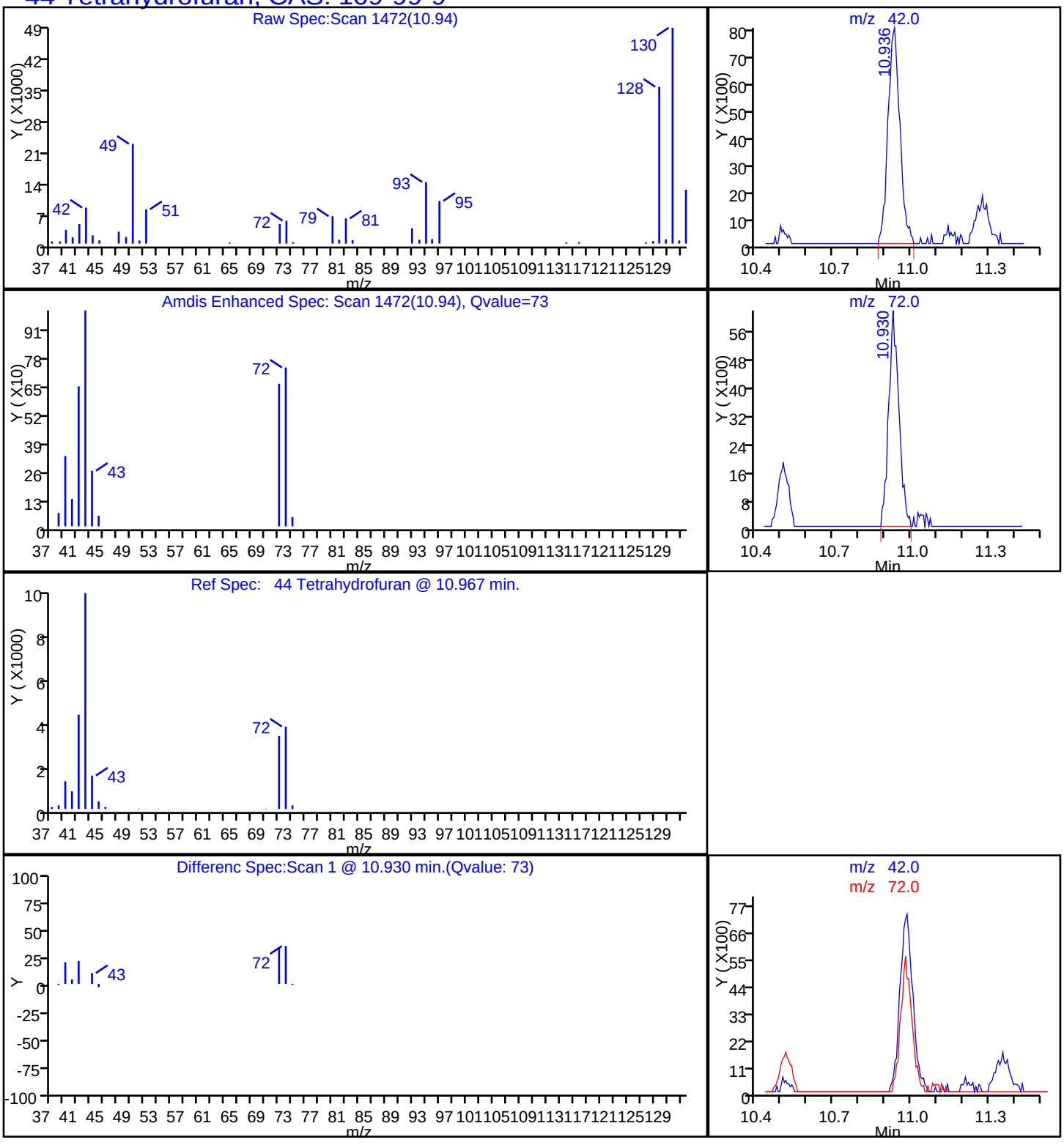
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Tetrahydrofuran, CAS: 109-99-9



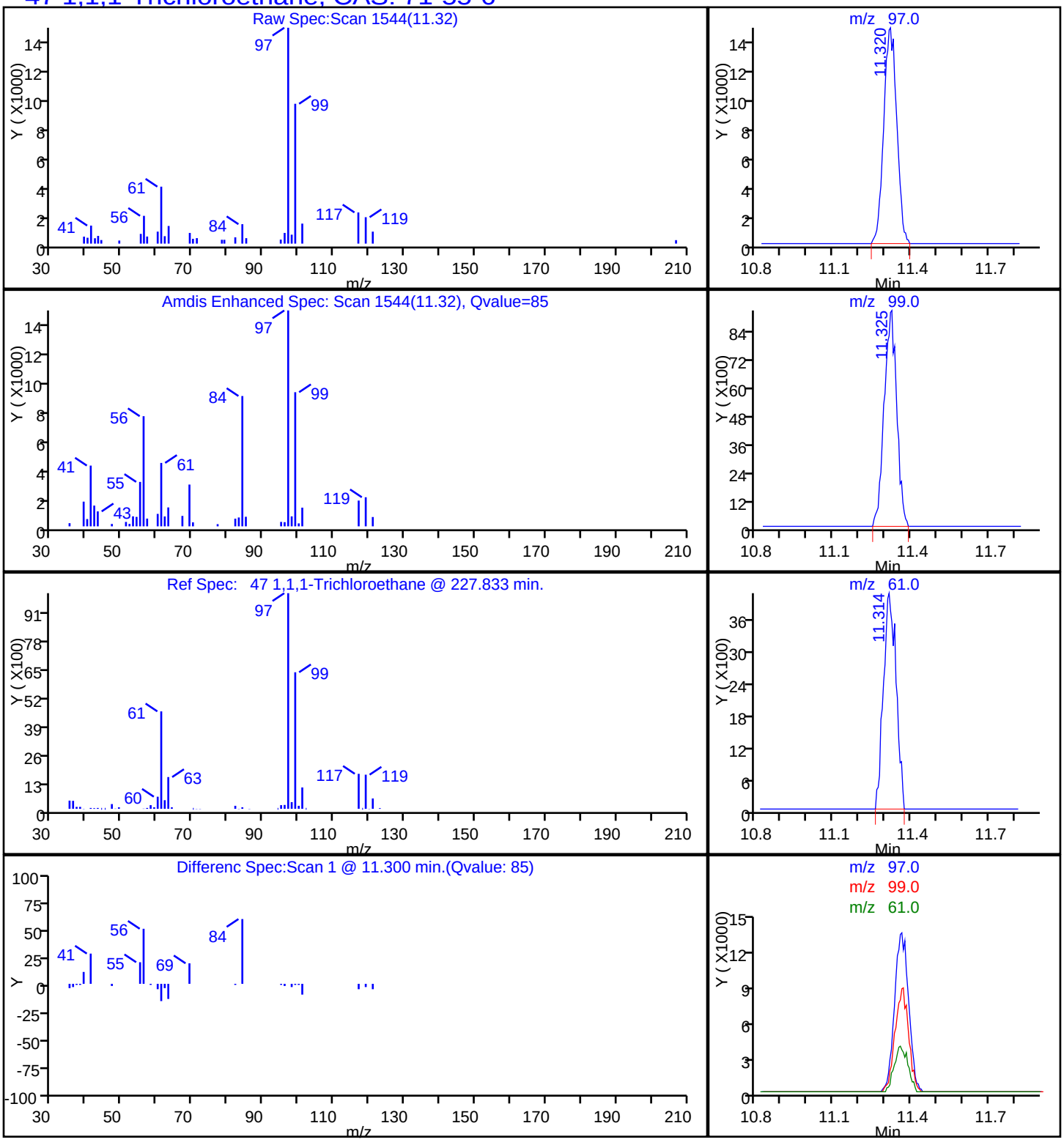
Report Date: 11-Apr-2014 11:54:27 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



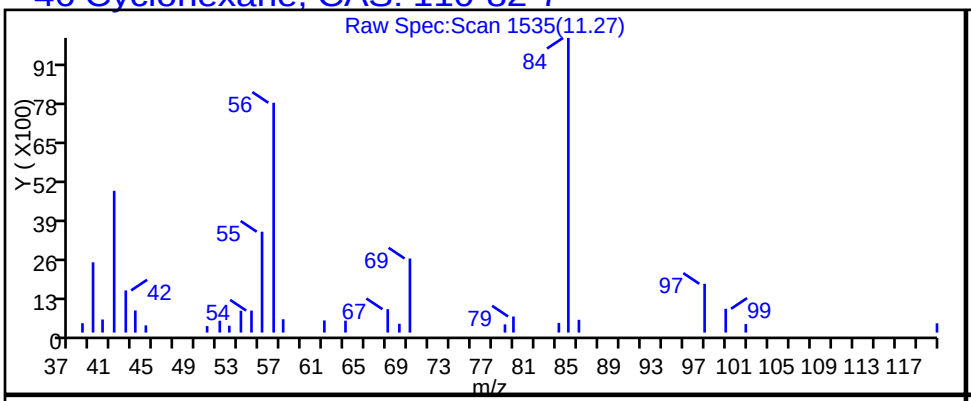
Report Date: 11-Apr-2014 11:54:27 Chrom Revision: 2.2 10-Apr-2014 15:11:30

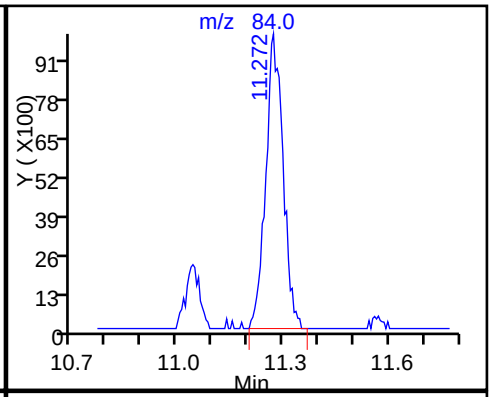
TestAmerica Burlington

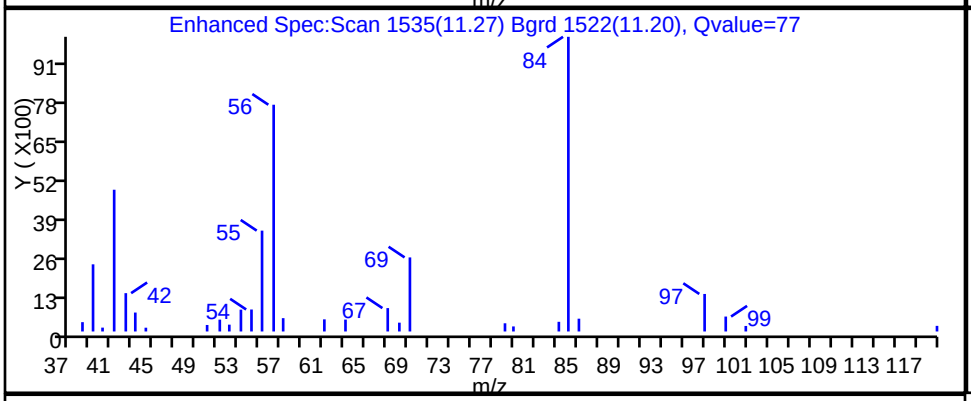
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

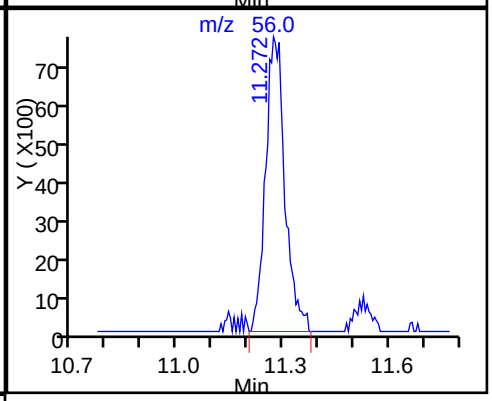
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

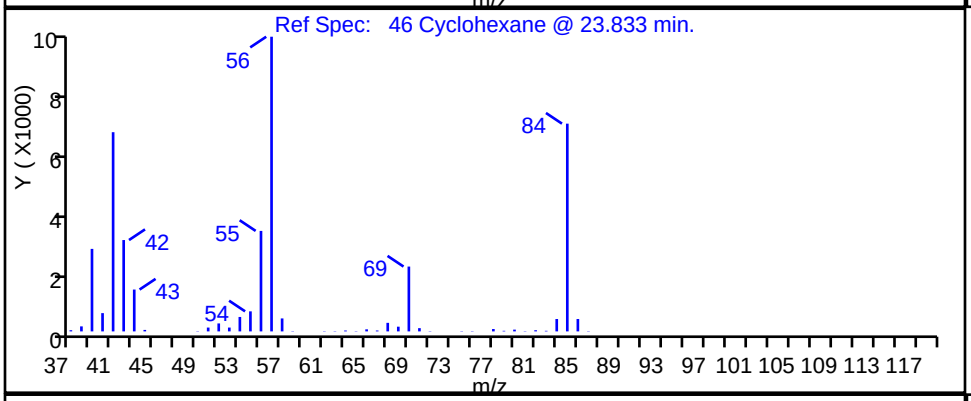
46 Cyclohexane, CAS: 110-82-7

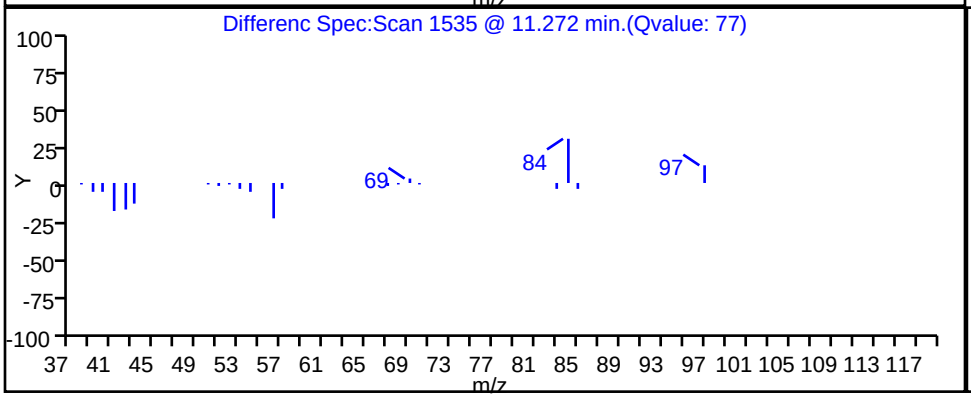


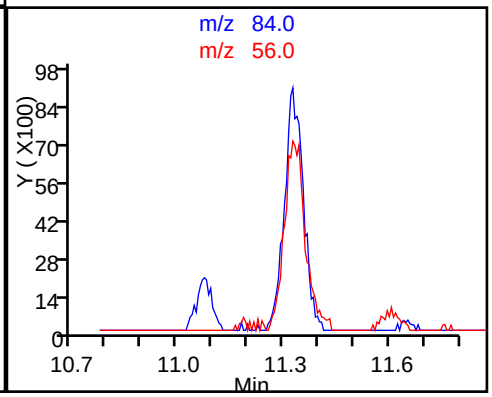












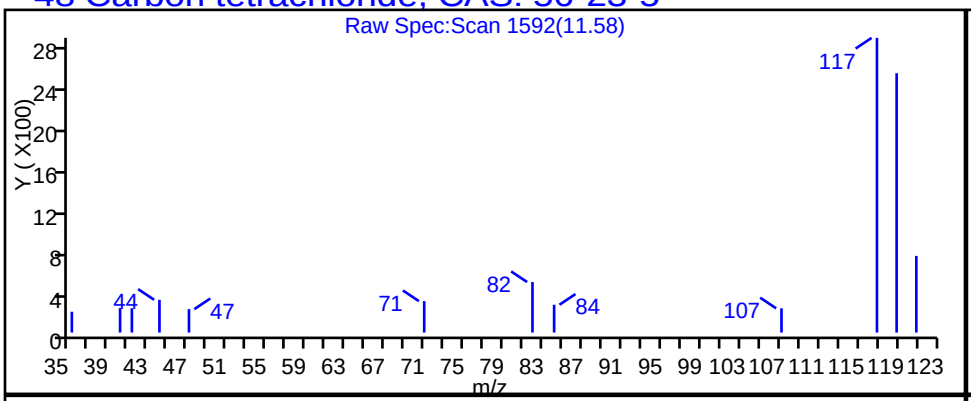
Report Date: 11-Apr-2014 11:54:27 Chrom Revision: 2.2 10-Apr-2014 15:11:30

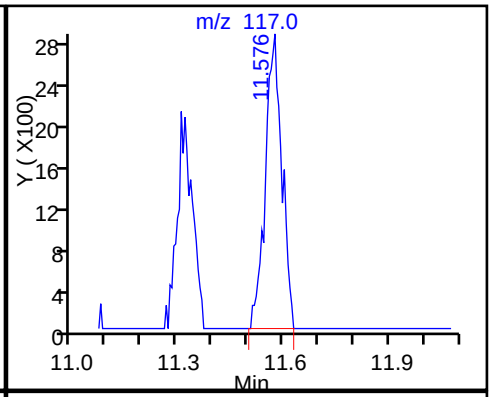
TestAmerica Burlington

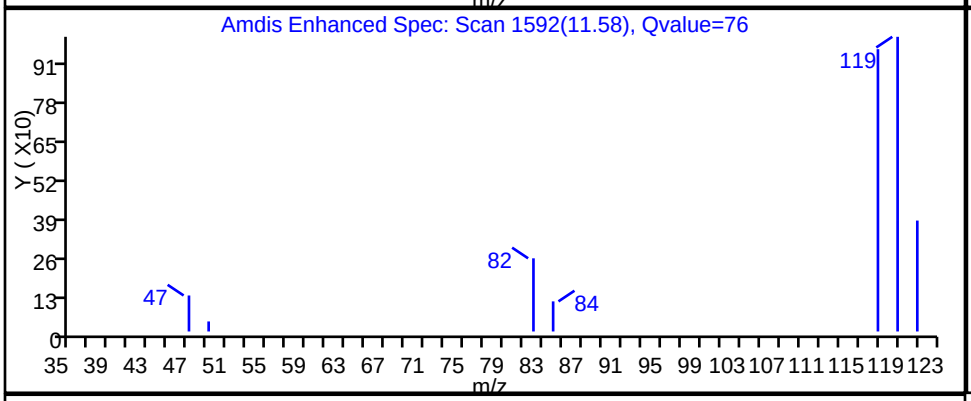
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

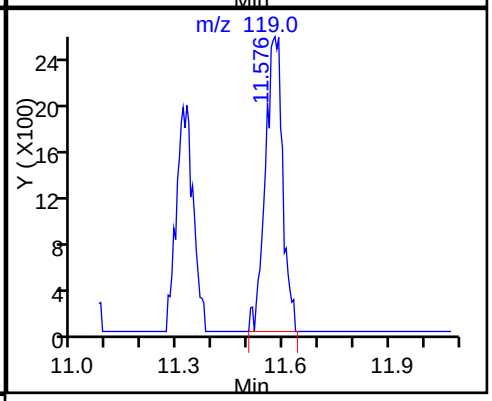
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

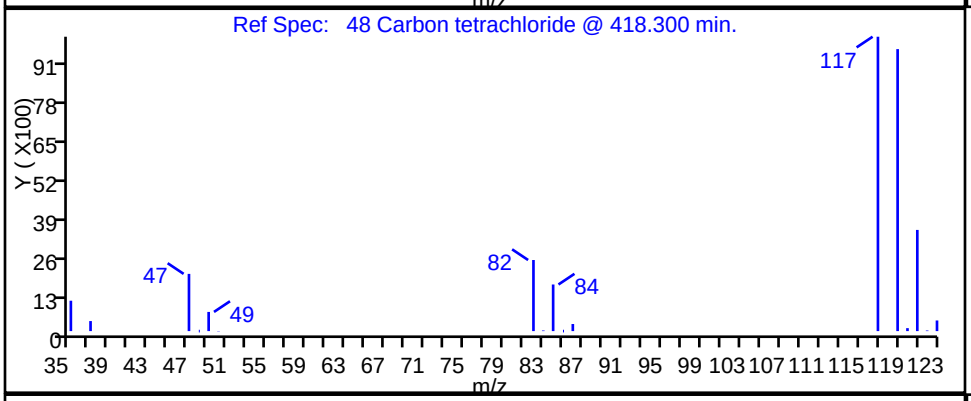
48 Carbon tetrachloride, CAS: 56-23-5

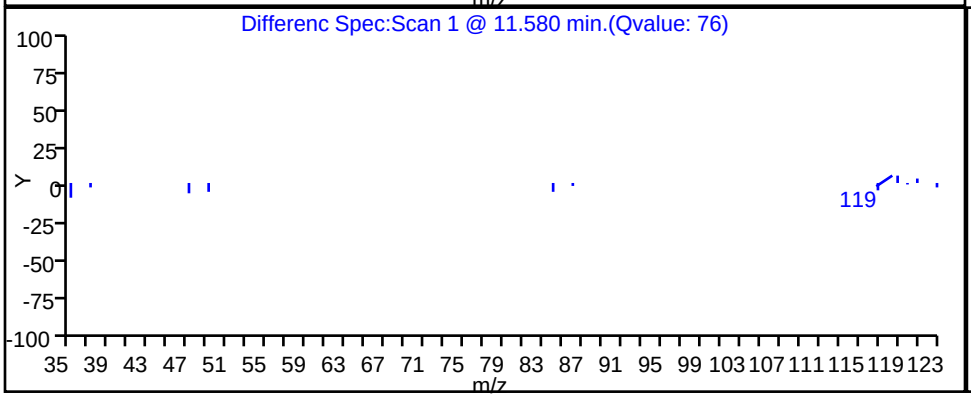


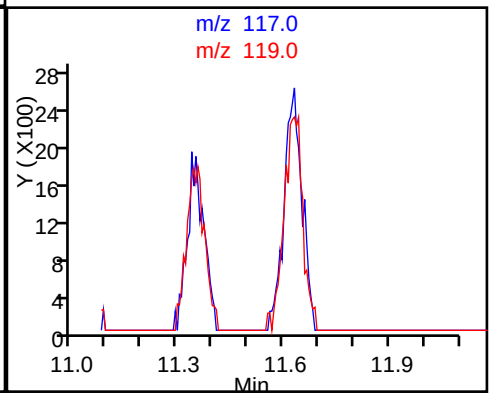












Report Date: 11-Apr-2014 11:54:27 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
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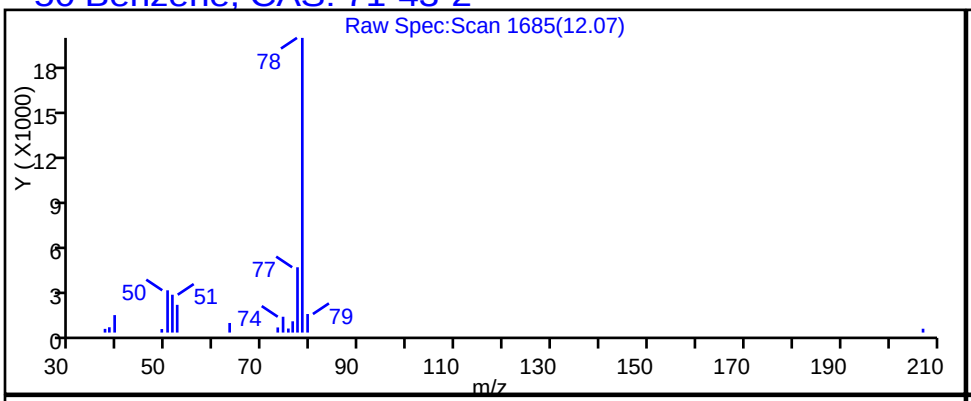
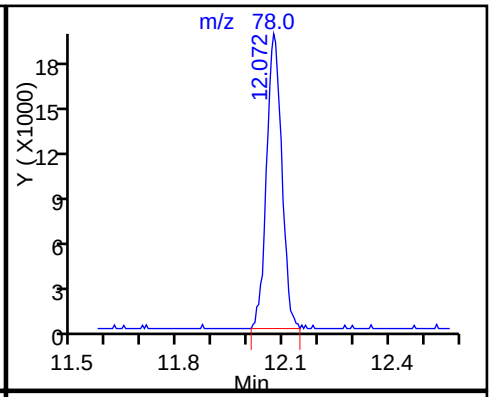
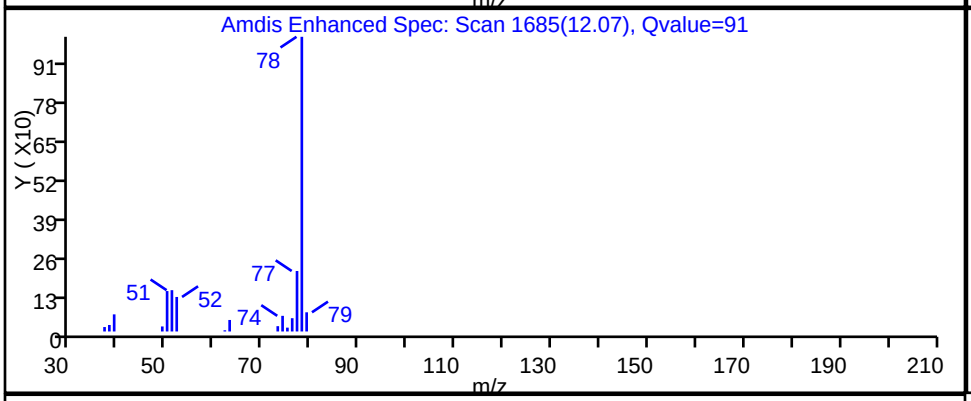
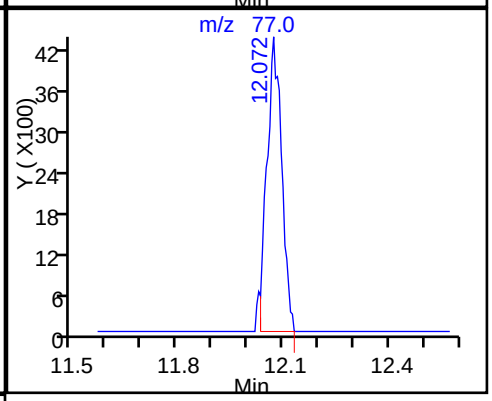
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

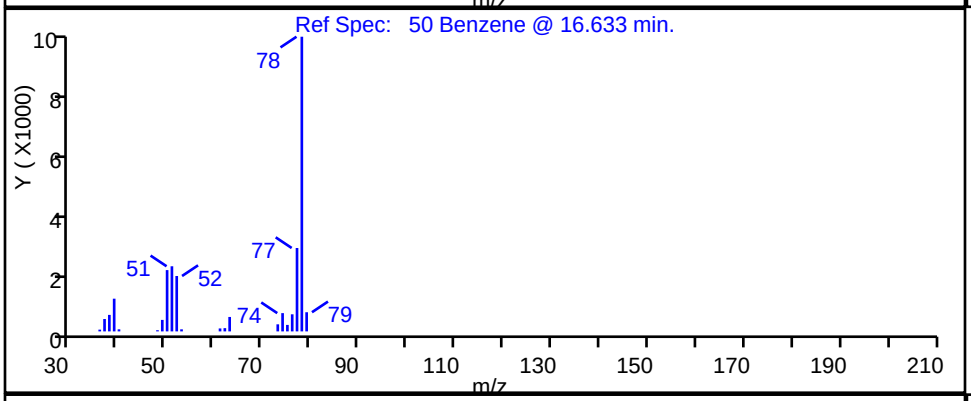
50 Benzene, CAS: 71-43-2

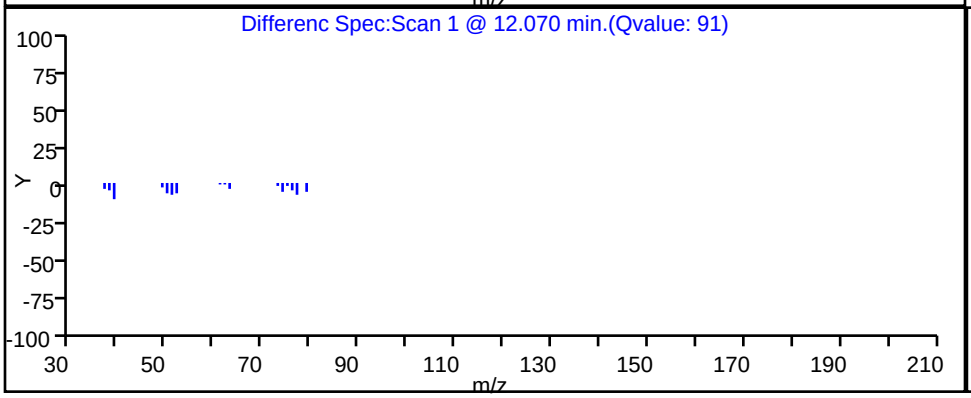


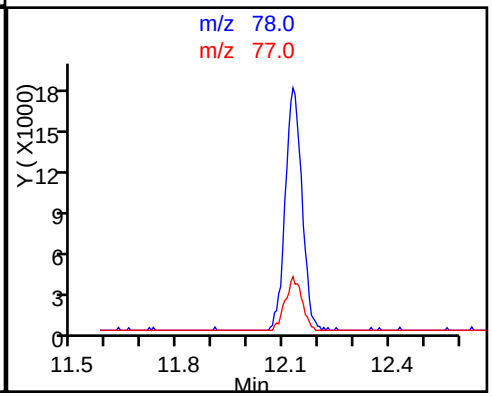












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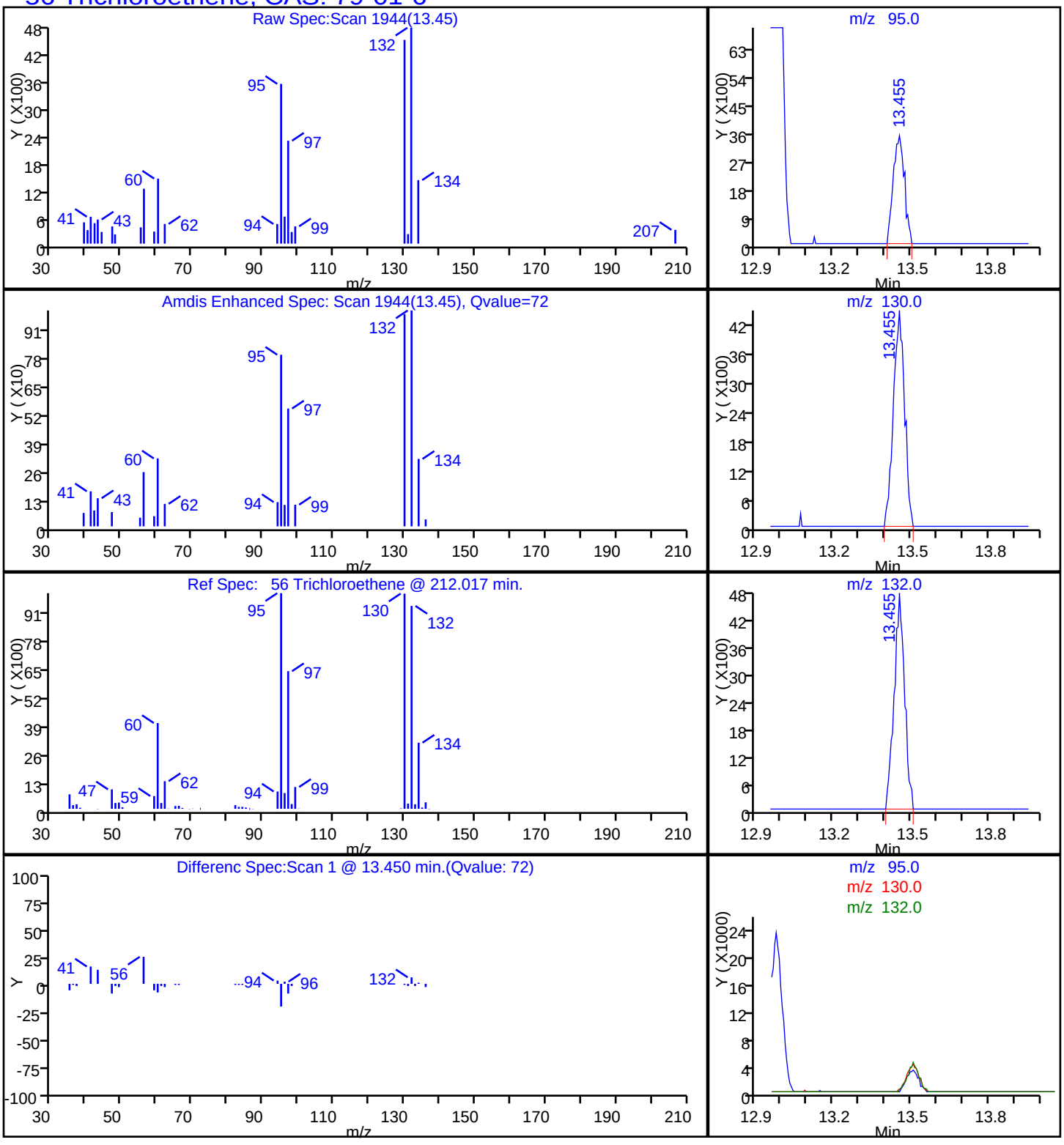
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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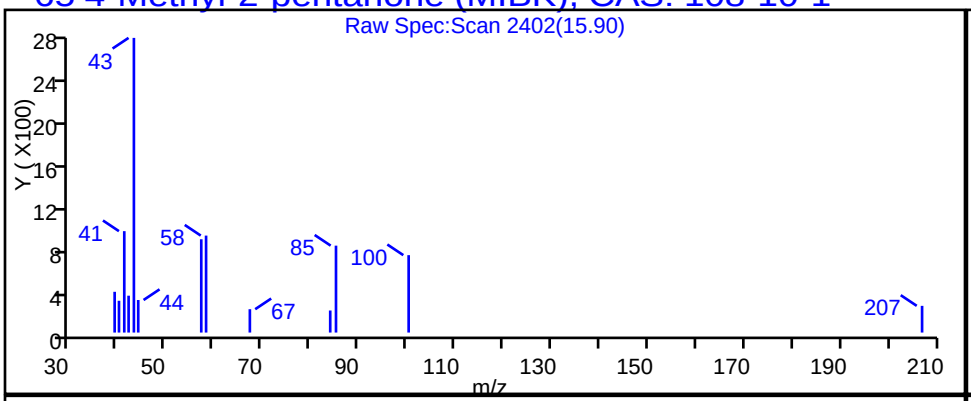
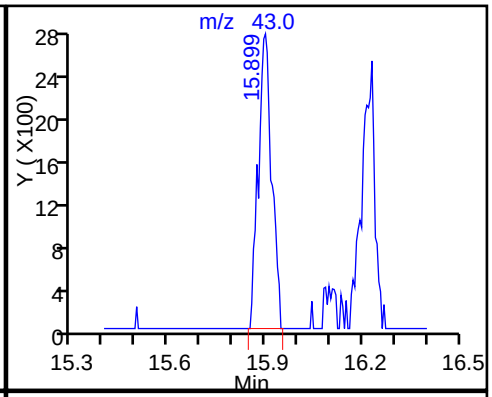
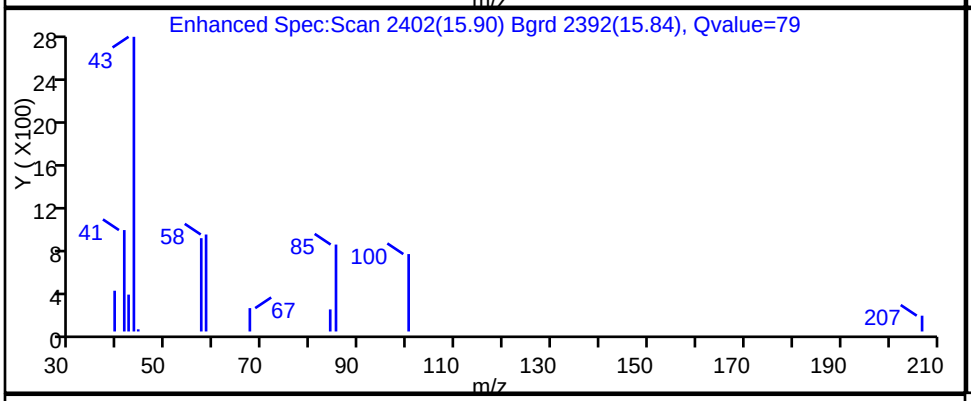
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

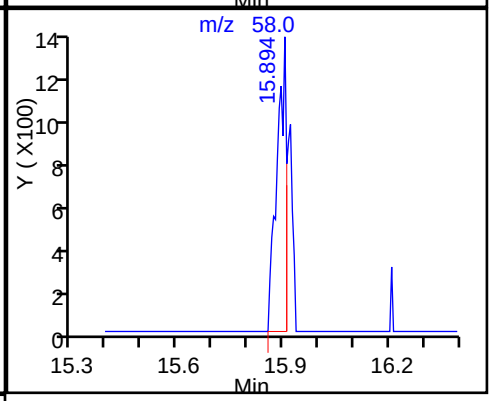
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

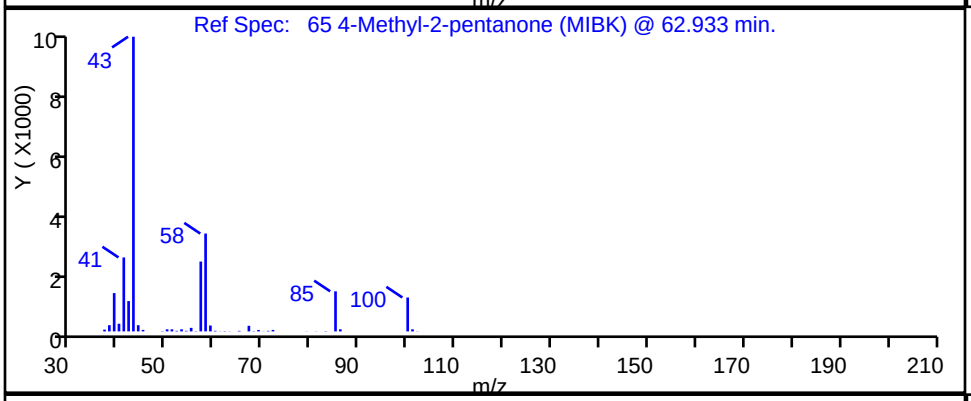
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

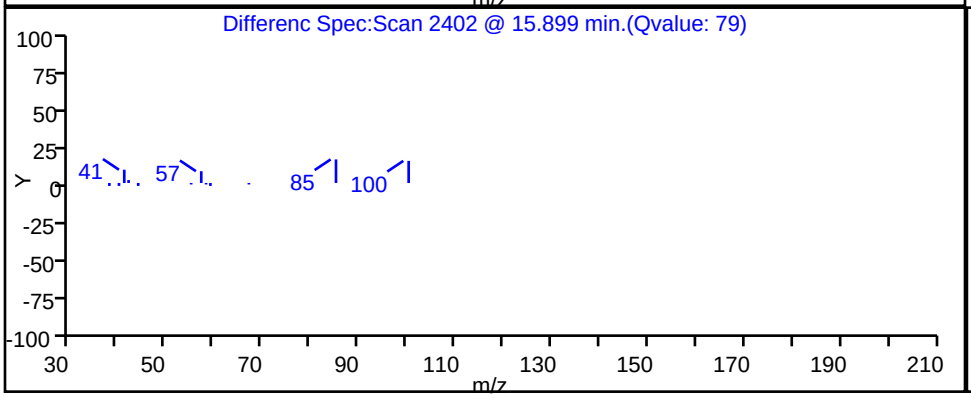


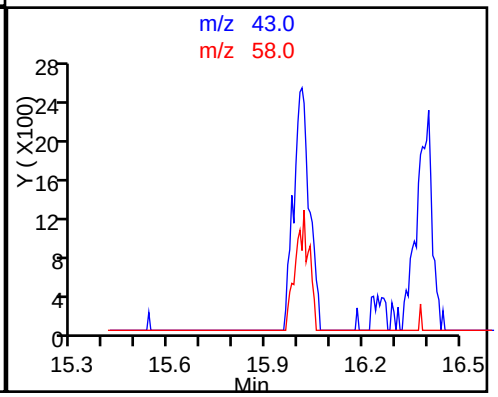












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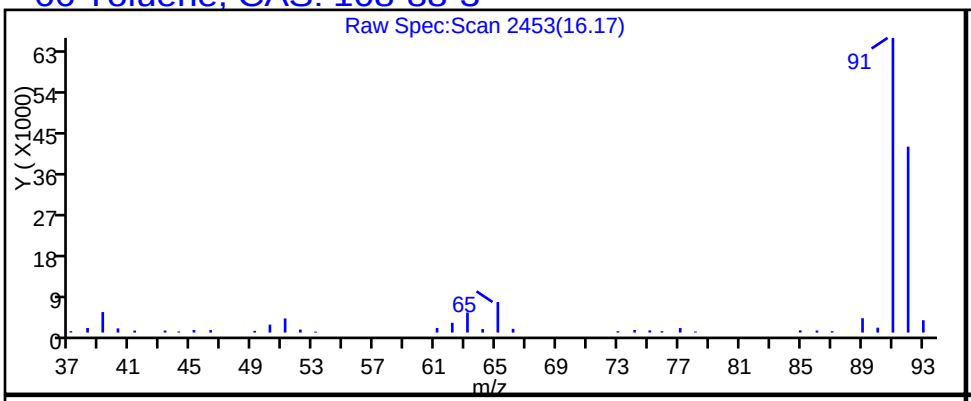
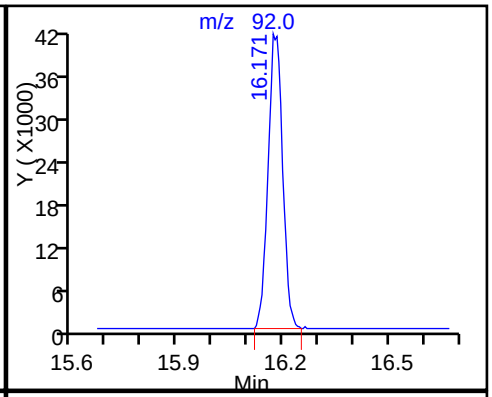
TestAmerica Burlington

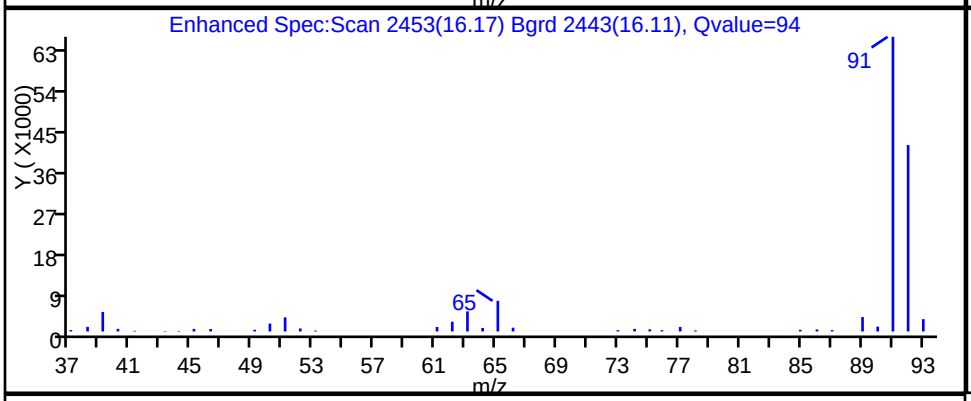
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

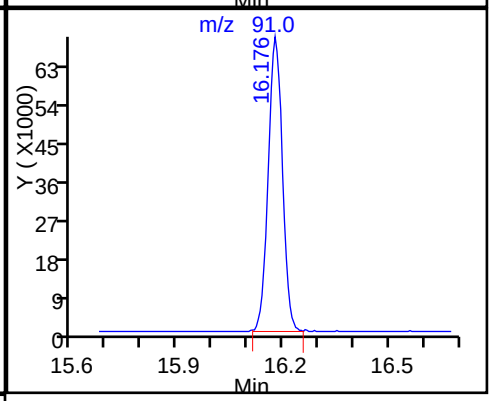
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

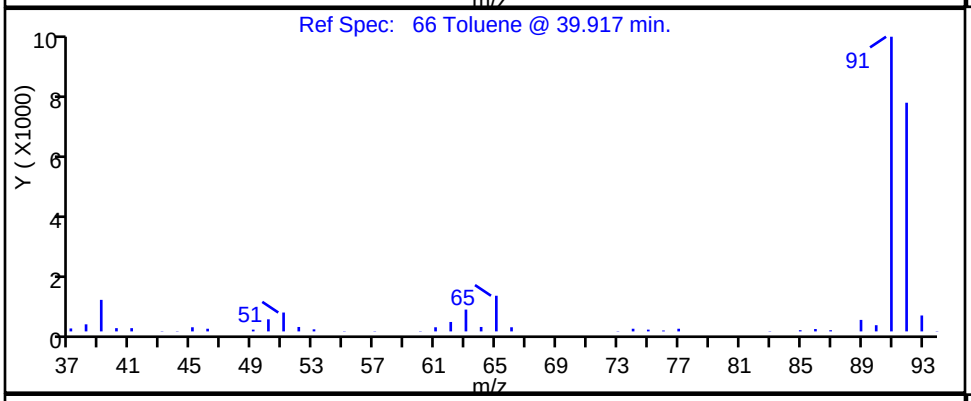
66 Toluene, CAS: 108-88-3

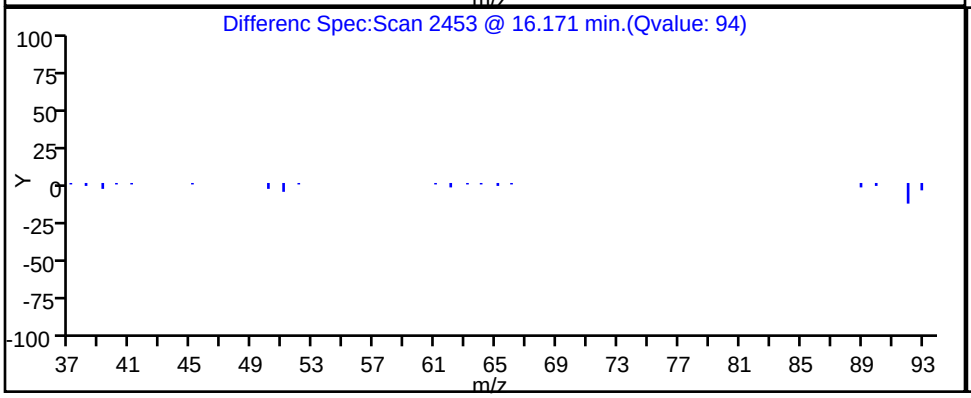


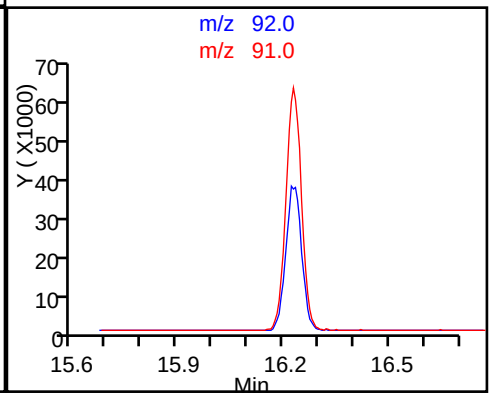












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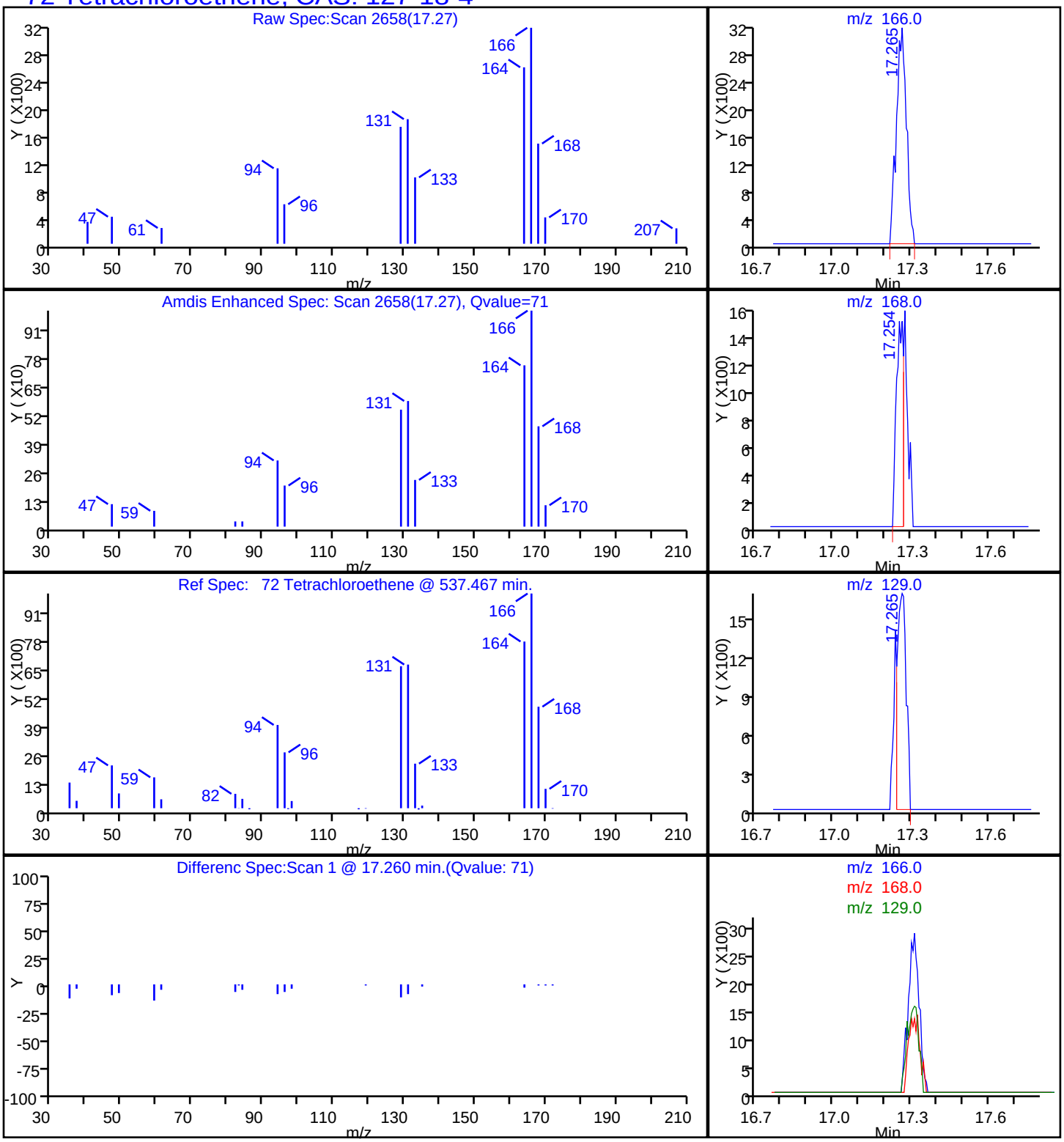
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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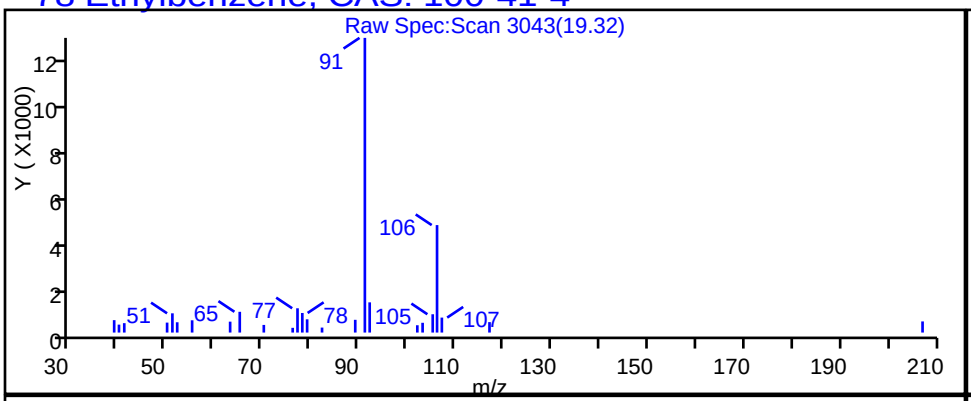
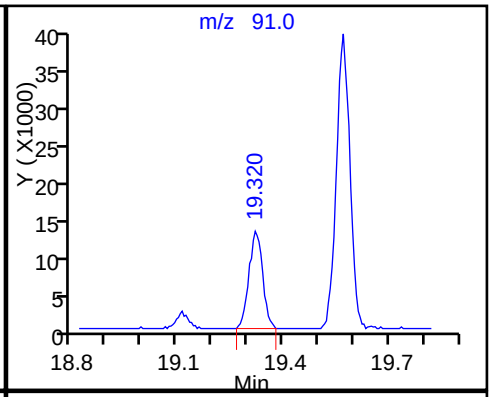
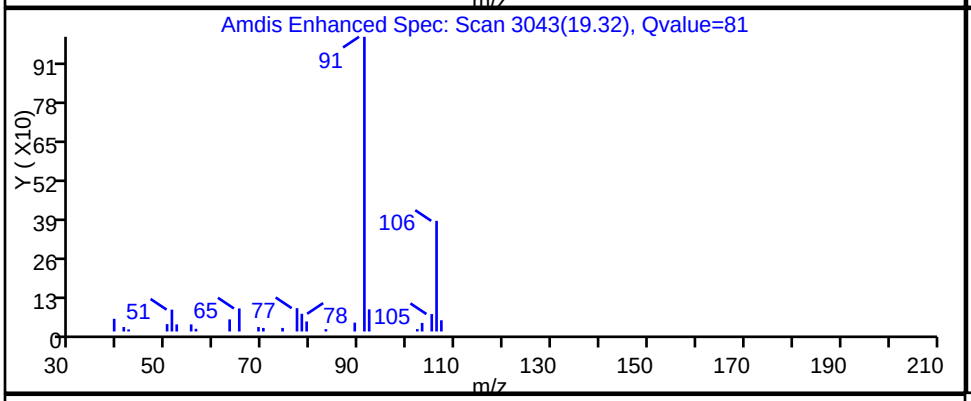
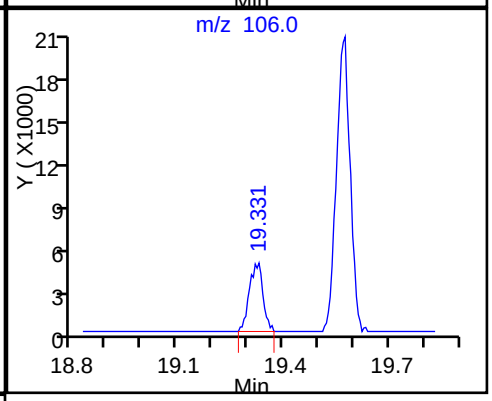
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

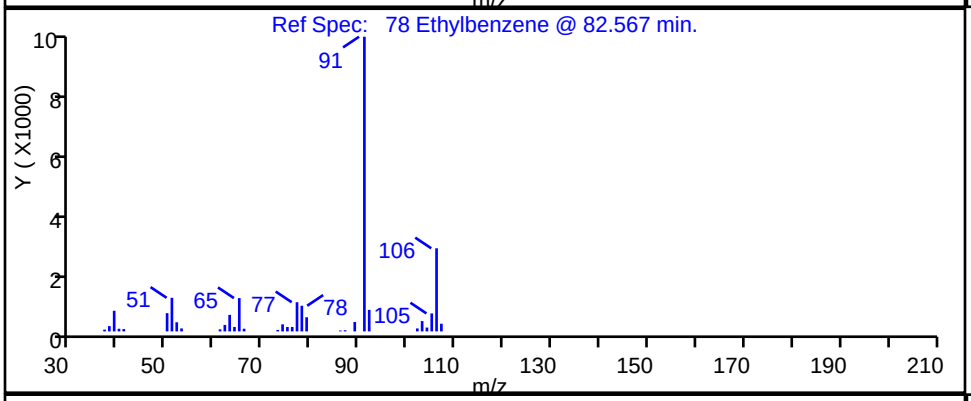
78 Ethylbenzene, CAS: 100-41-4

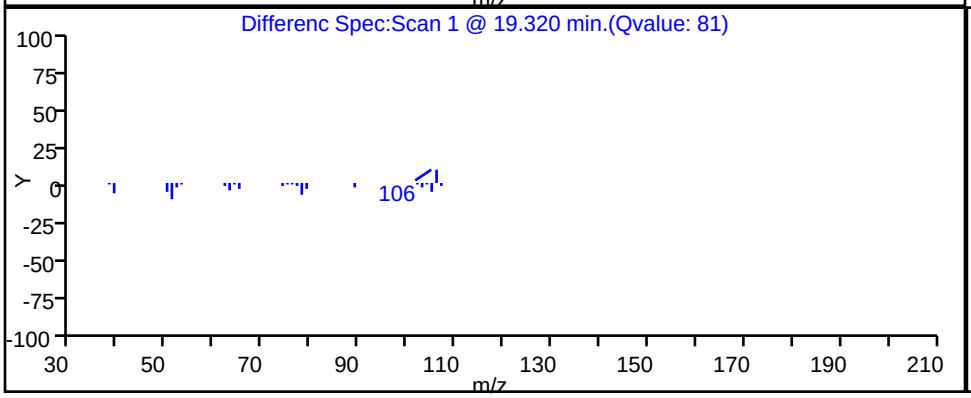


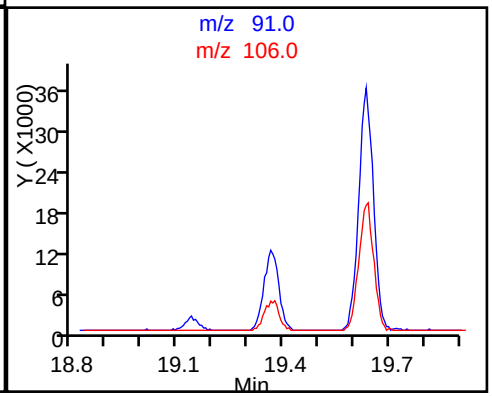












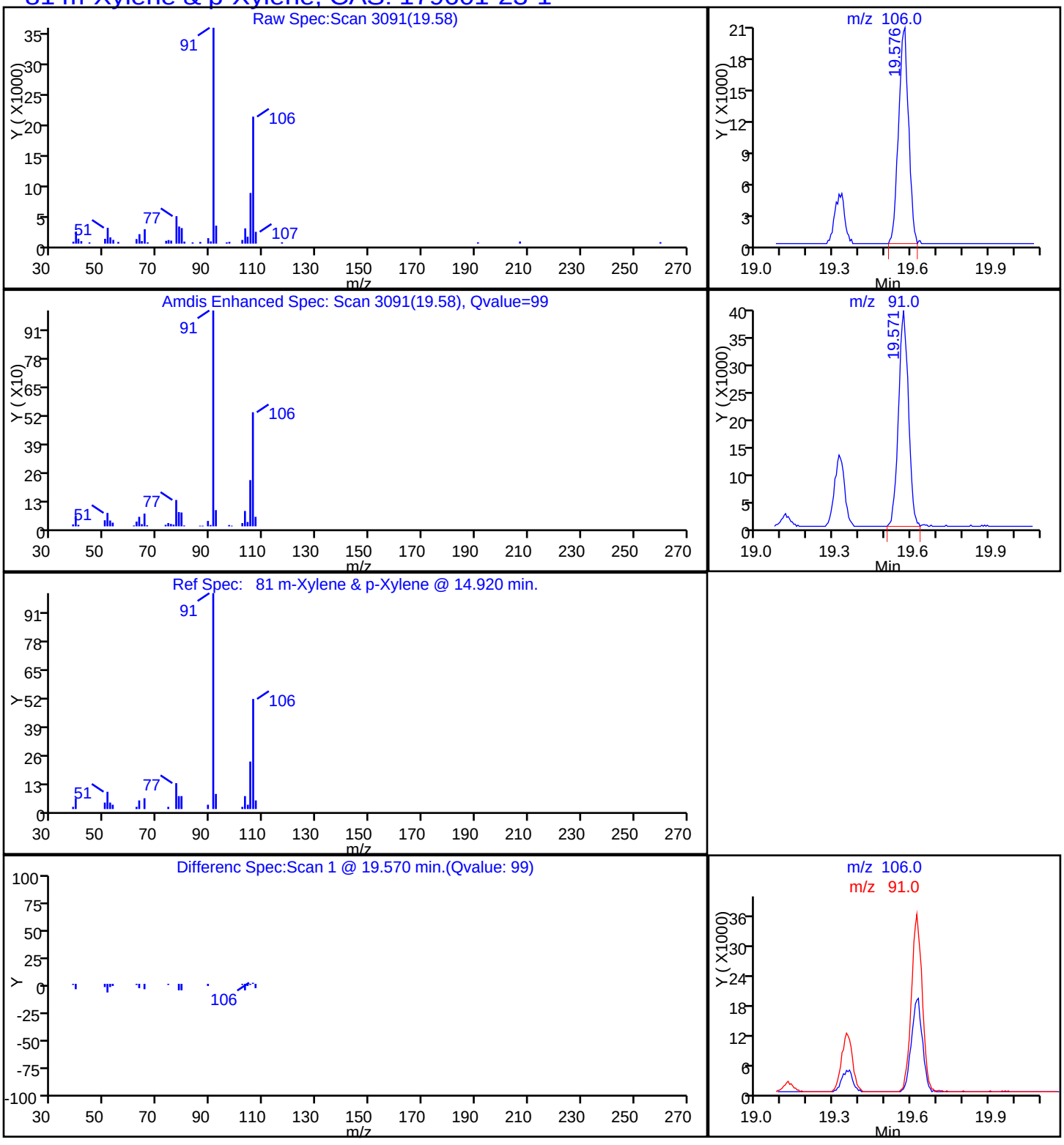
Report Date: 11-Apr-2014 11:54:27 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



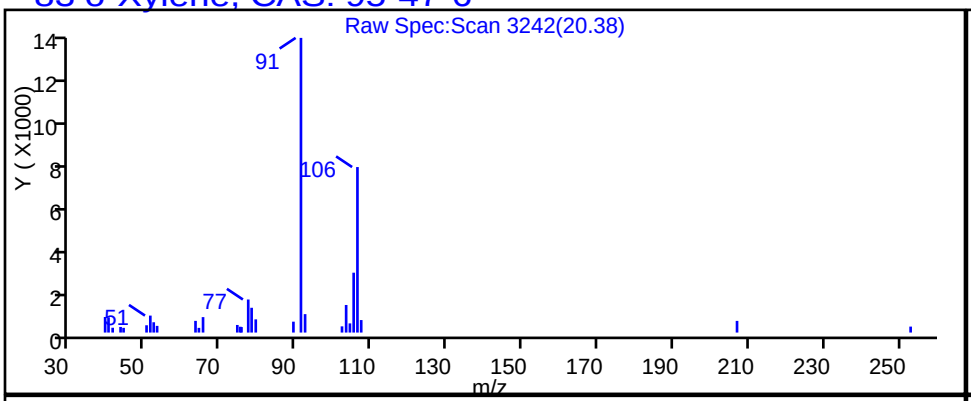
Report Date: 11-Apr-2014 11:54:27 Chrom Revision: 2.2 10-Apr-2014 15:11:30

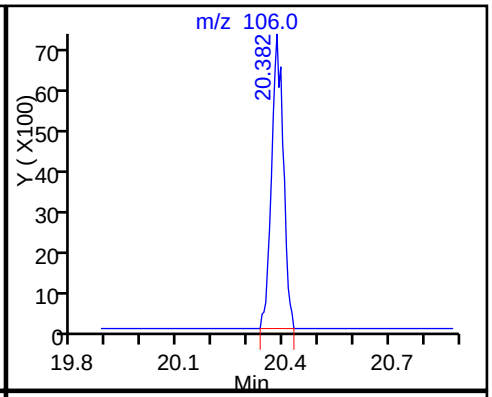
TestAmerica Burlington

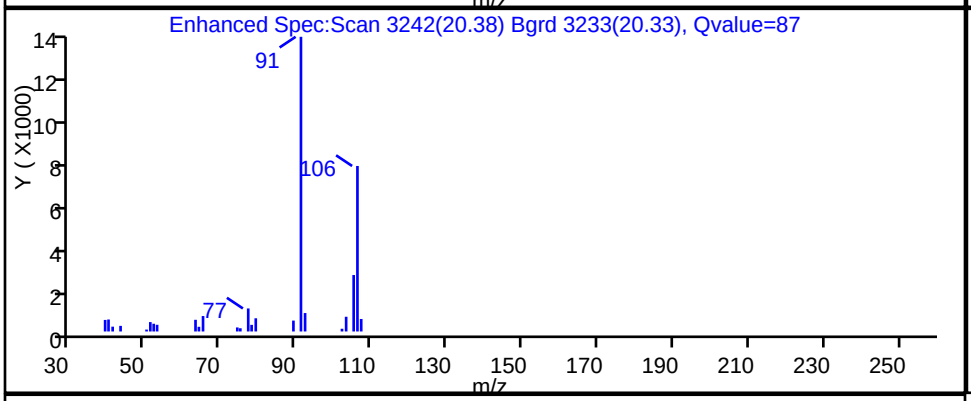
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

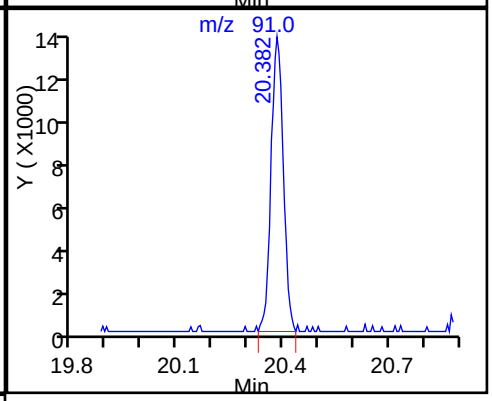
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

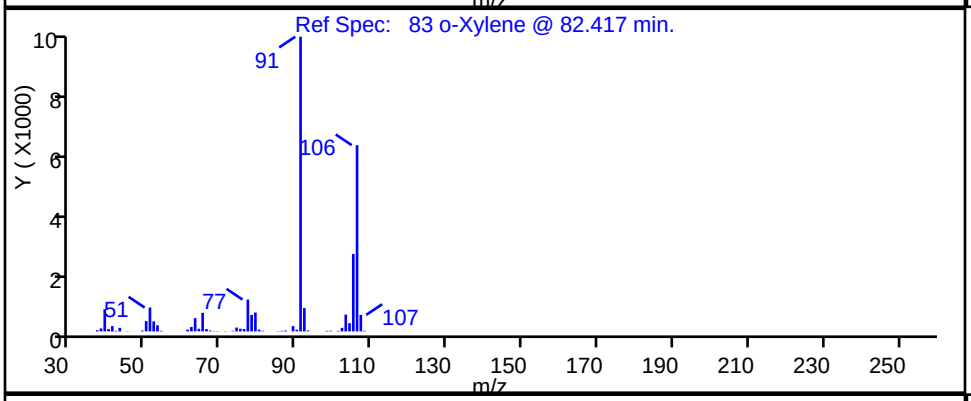
83 o-Xylene, CAS: 95-47-6

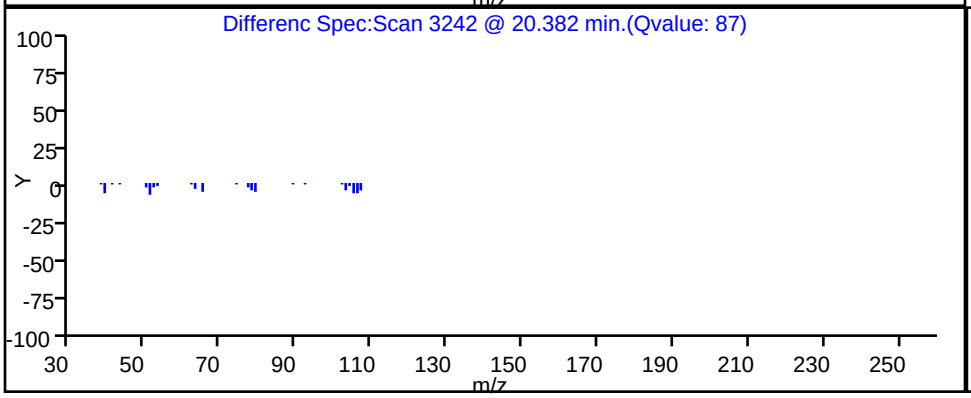


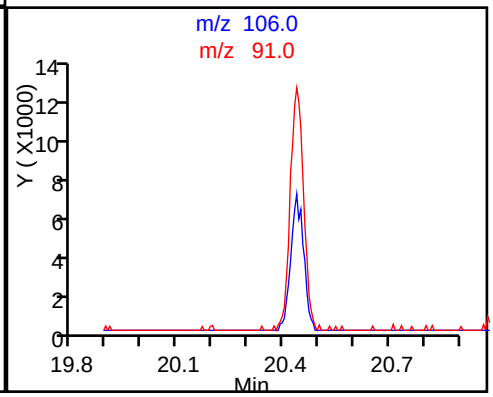












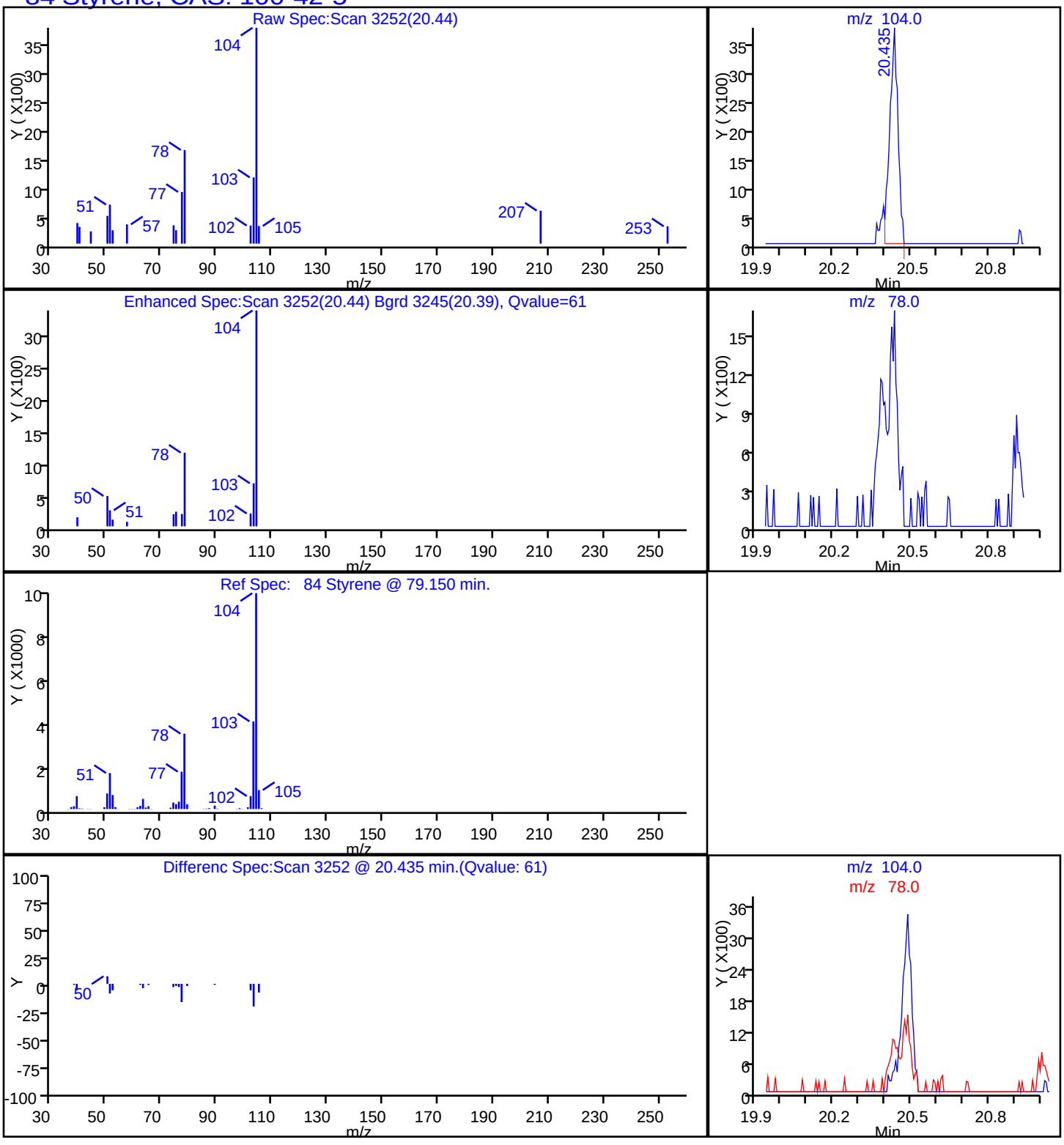
Report Date: 11-Apr-2014 11:54:27 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5



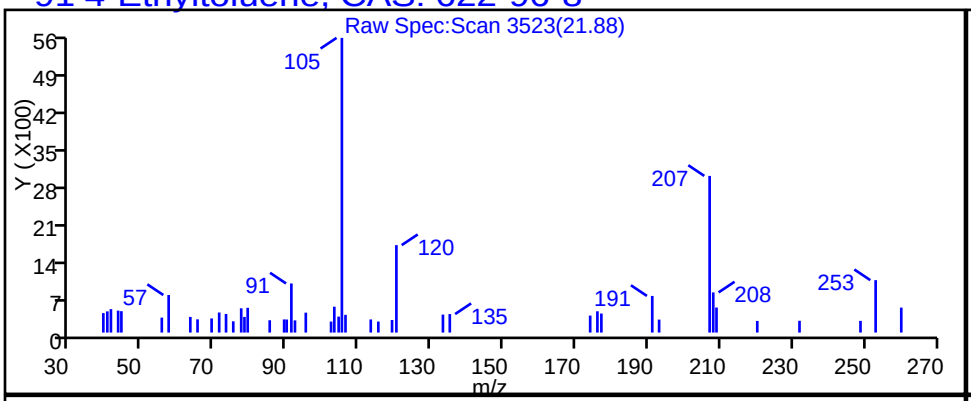
Report Date: 11-Apr-2014 11:54:27 Chrom Revision: 2.2 10-Apr-2014 15:11:30

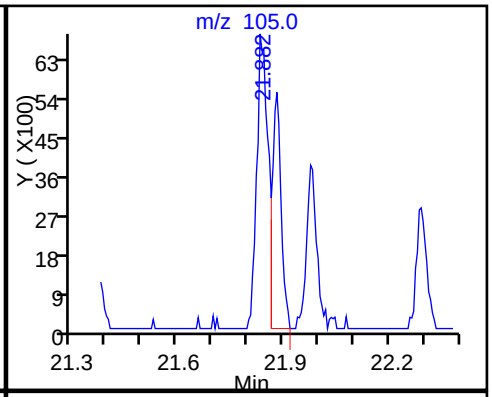
TestAmerica Burlington

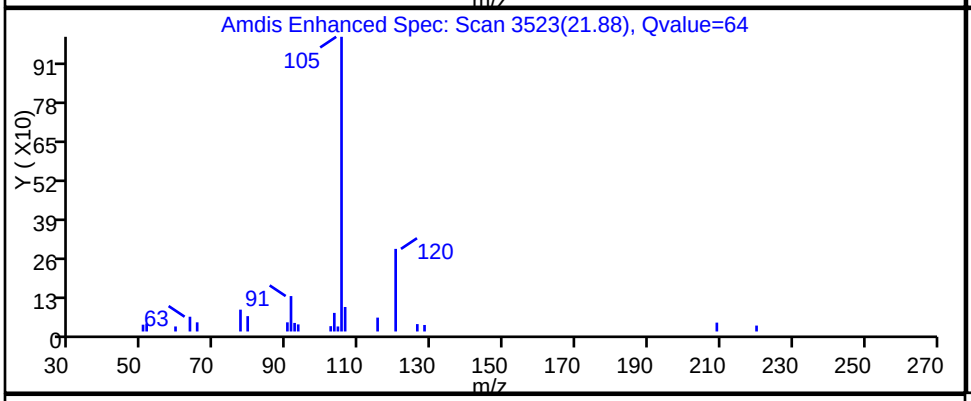
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

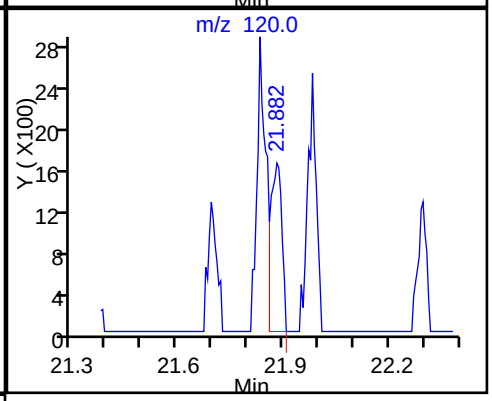
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

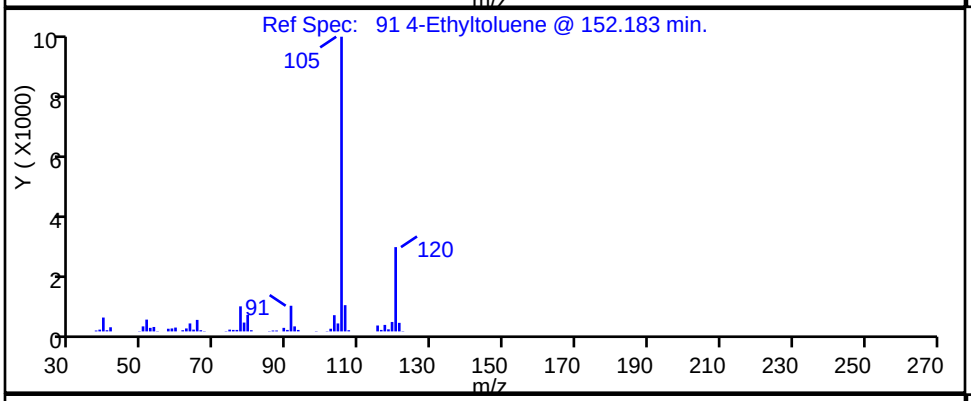
91 4-Ethyltoluene, CAS: 622-96-8

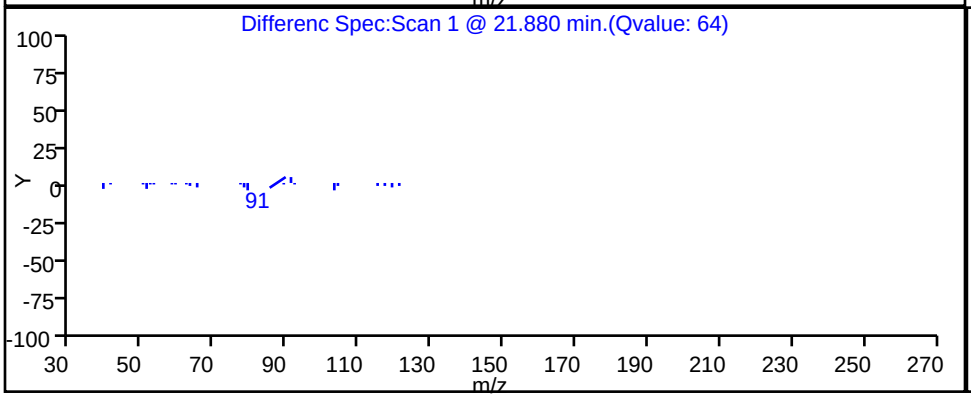


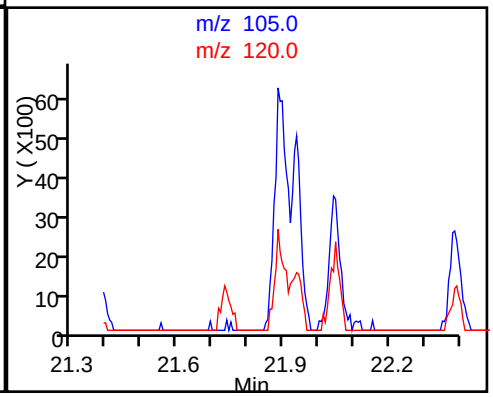












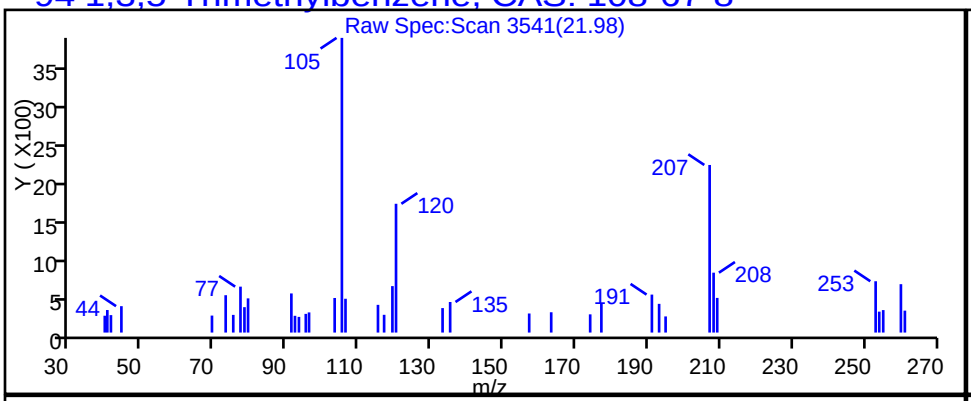
Report Date: 11-Apr-2014 11:54:27 Chrom Revision: 2.2 10-Apr-2014 15:11:30

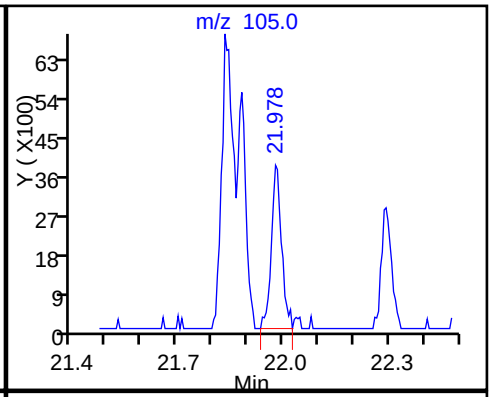
TestAmerica Burlington

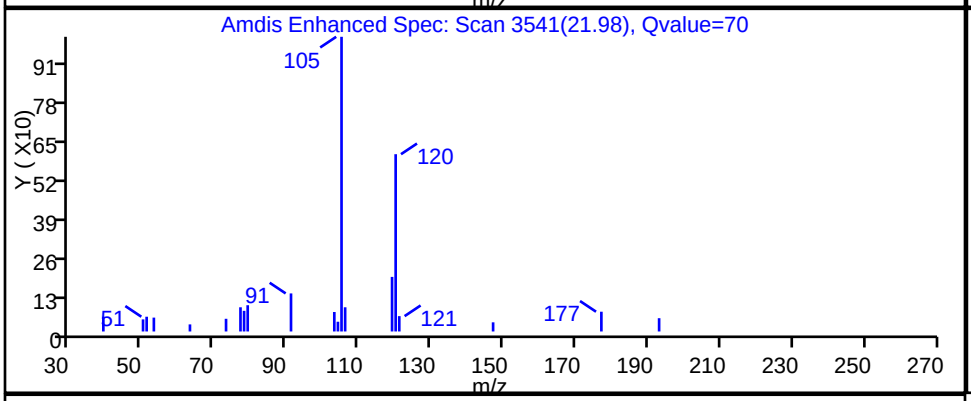
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

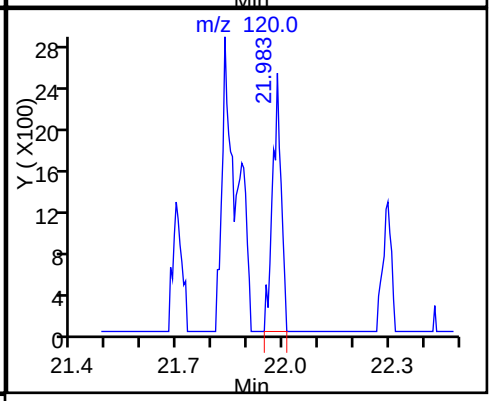
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

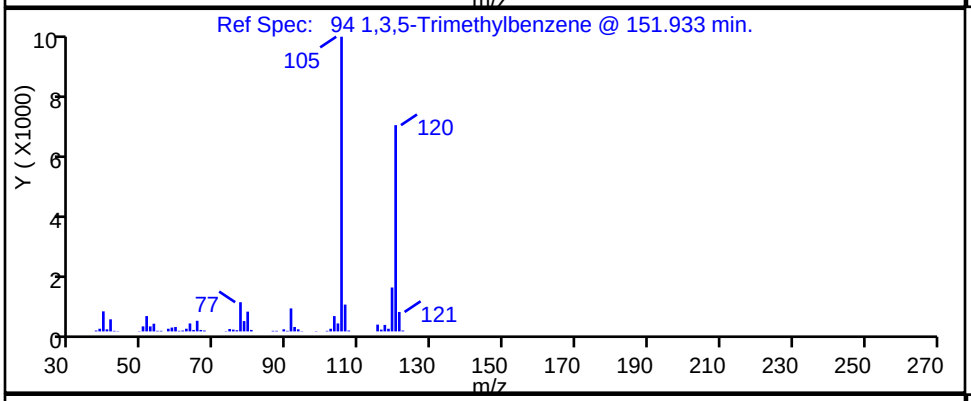
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

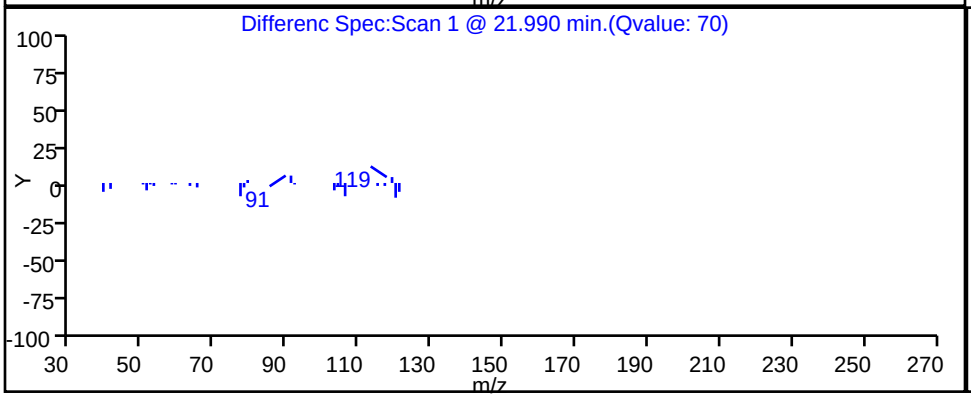


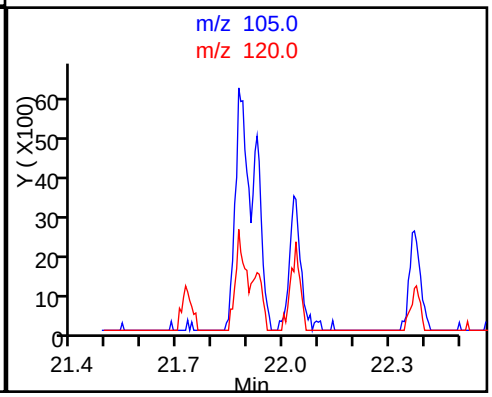












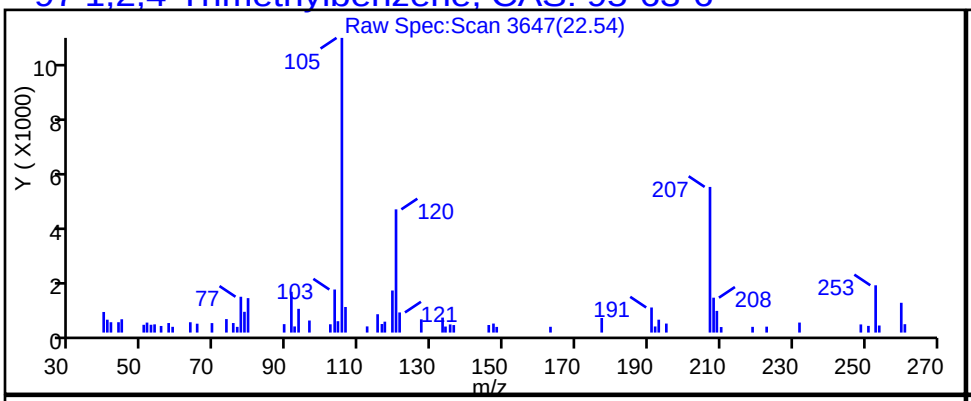
Report Date: 11-Apr-2014 11:54:27 Chrom Revision: 2.2 10-Apr-2014 15:11:30

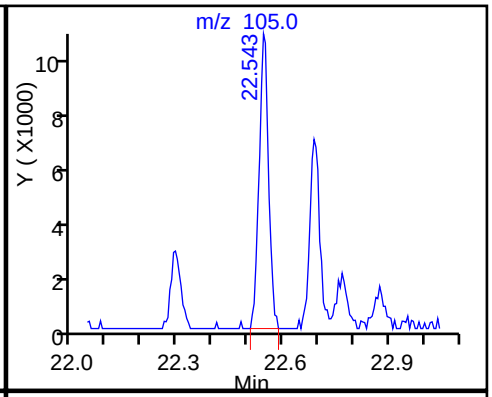
TestAmerica Burlington

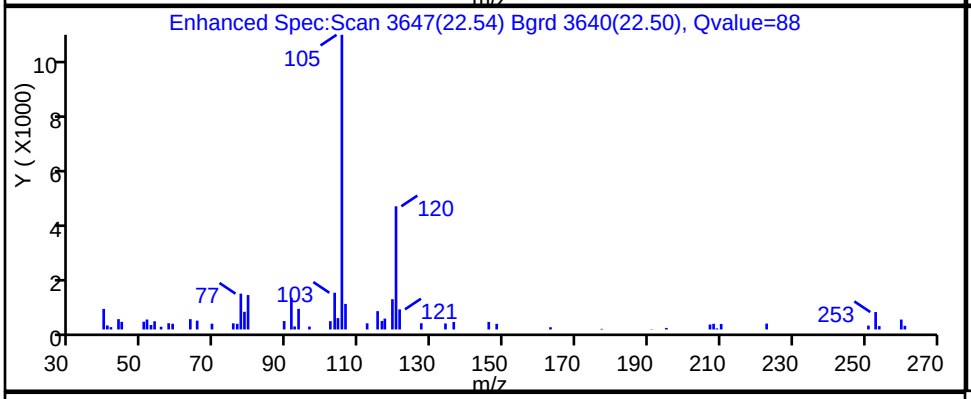
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D

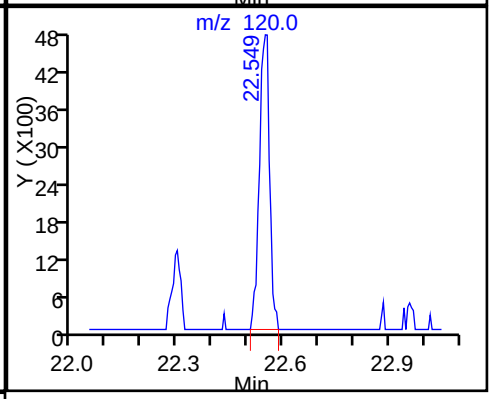
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

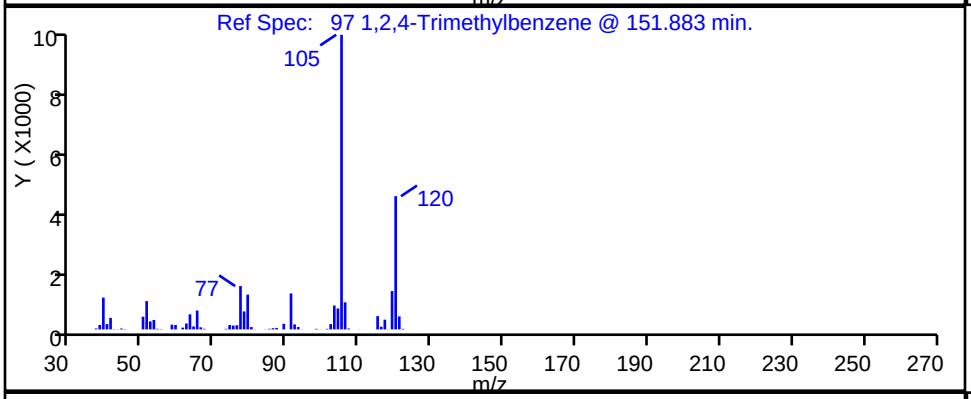
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

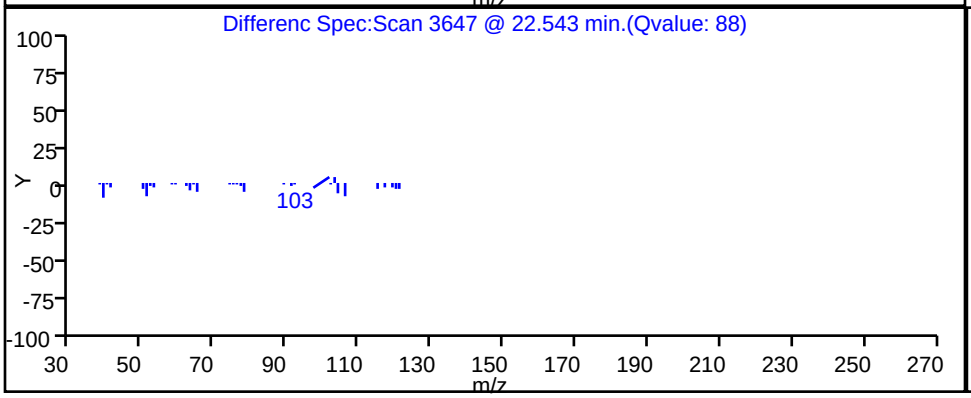


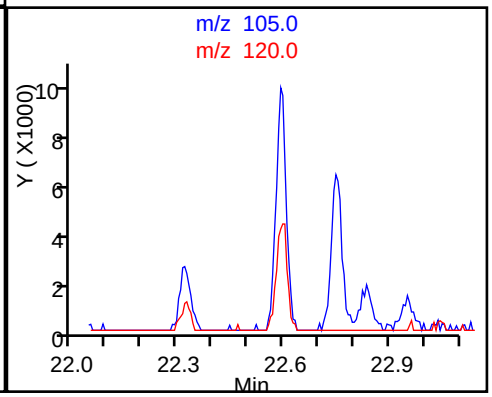












Manual Integration/User Assign Peak Report

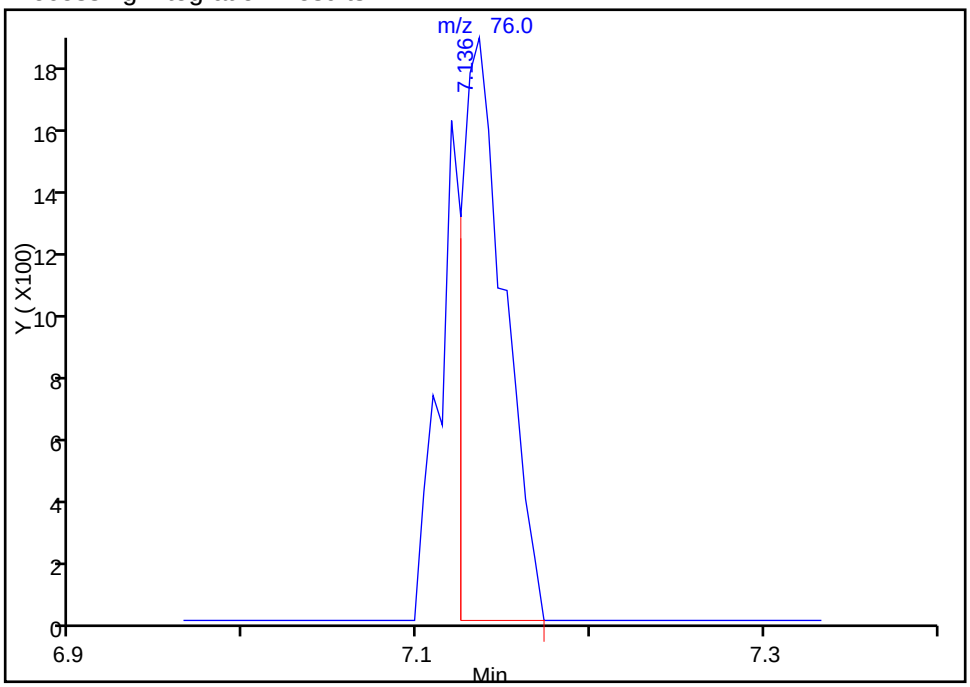
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D				
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0

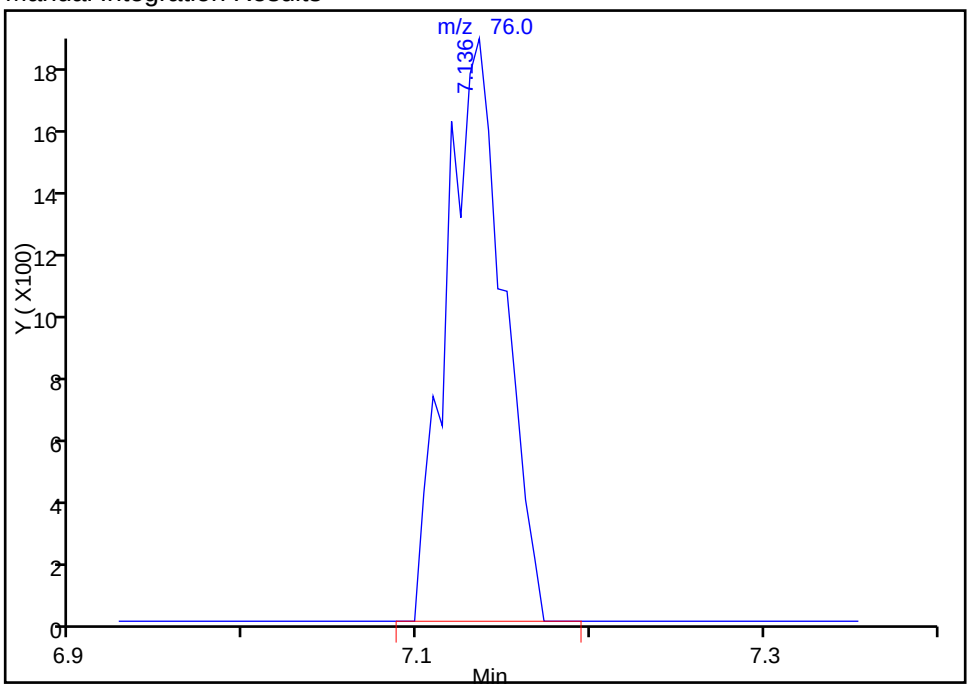
Processing Integration Results

RT: 7.14
Response: 3212
Amount: 0.033378



Manual Integration Results

RT: 7.14
Response: 4298
Amount: 0.044663



Reviewer: desjardinsb, 11-Apr-2014 11:54:26
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

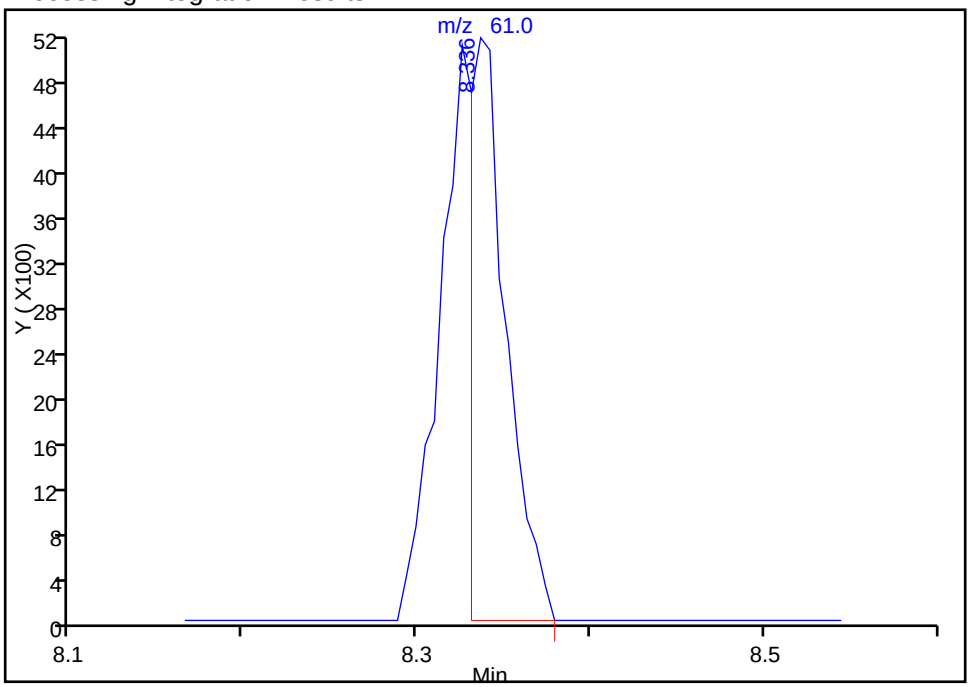
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D				
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5

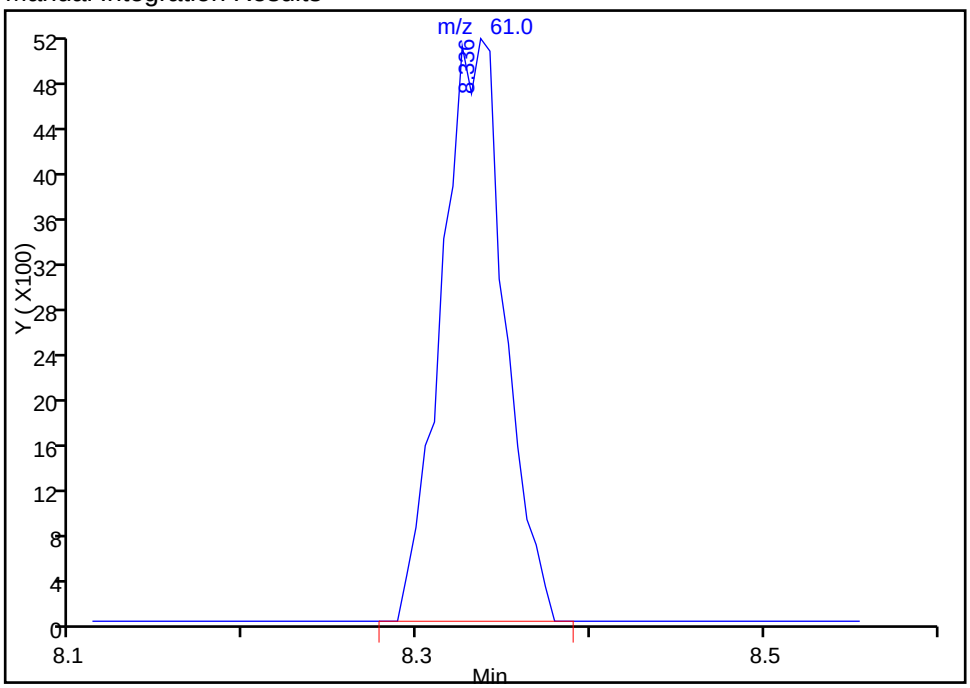
Processing Integration Results

RT: 8.34
Response: 7594
Amount: 0.161780



Manual Integration Results

RT: 8.34
Response: 12980
Amount: 0.276522



Reviewer: desjardinsb, 11-Apr-2014 11:54:26
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

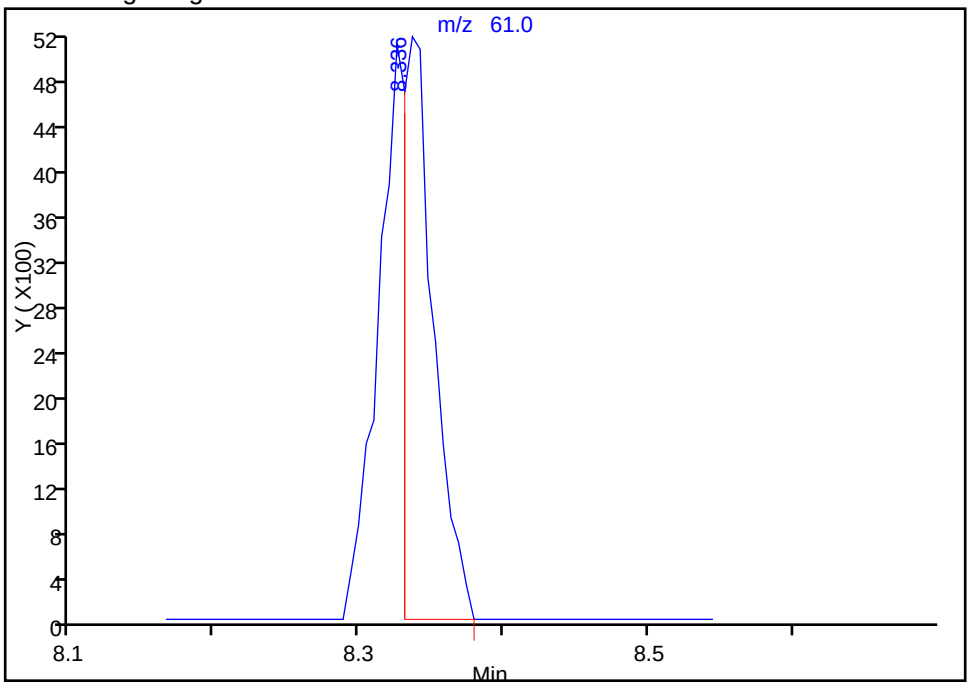
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D				
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Processing Integration Results

RT: 8.34
Response: 0
Amount: 0.161780



Manual Integration Results

RT: 8.33
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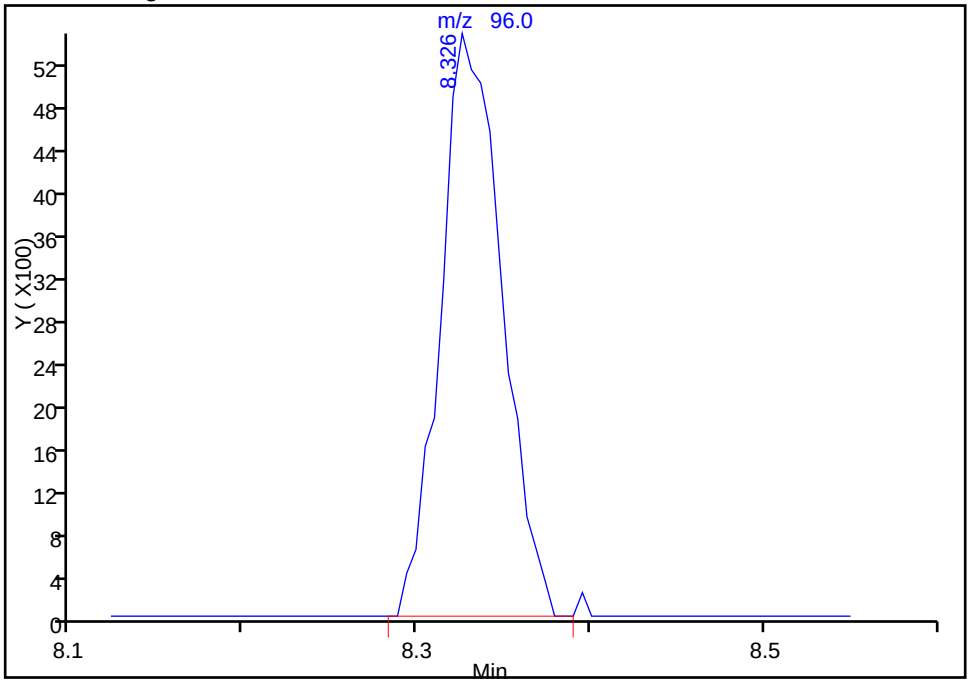
Amount: 0.276522



Reviewer: desjardinsb, 11-Apr-2014 11:54:26
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

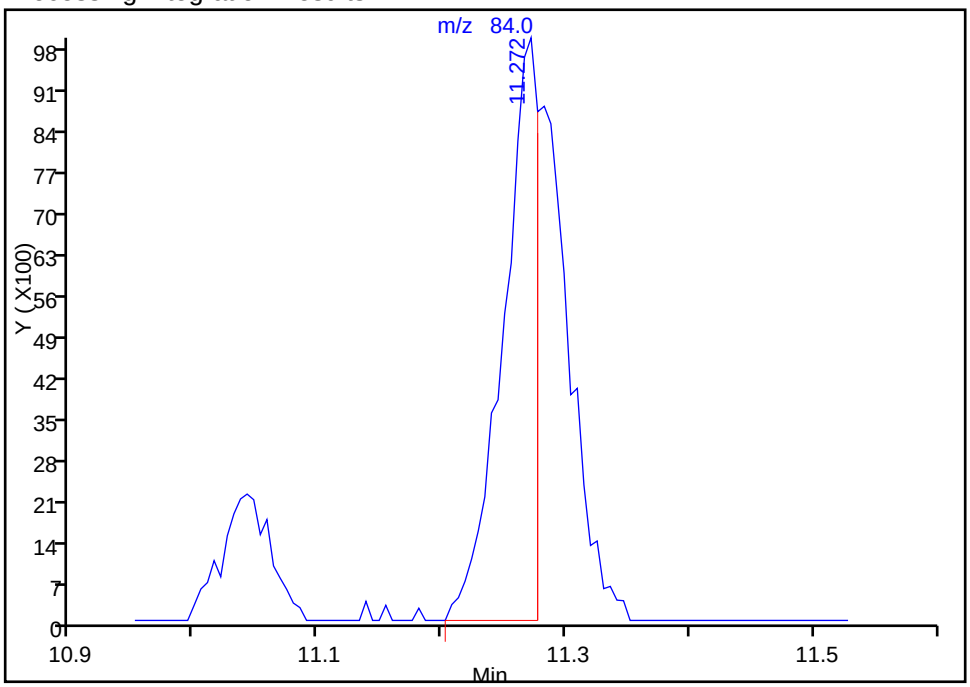
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D				
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

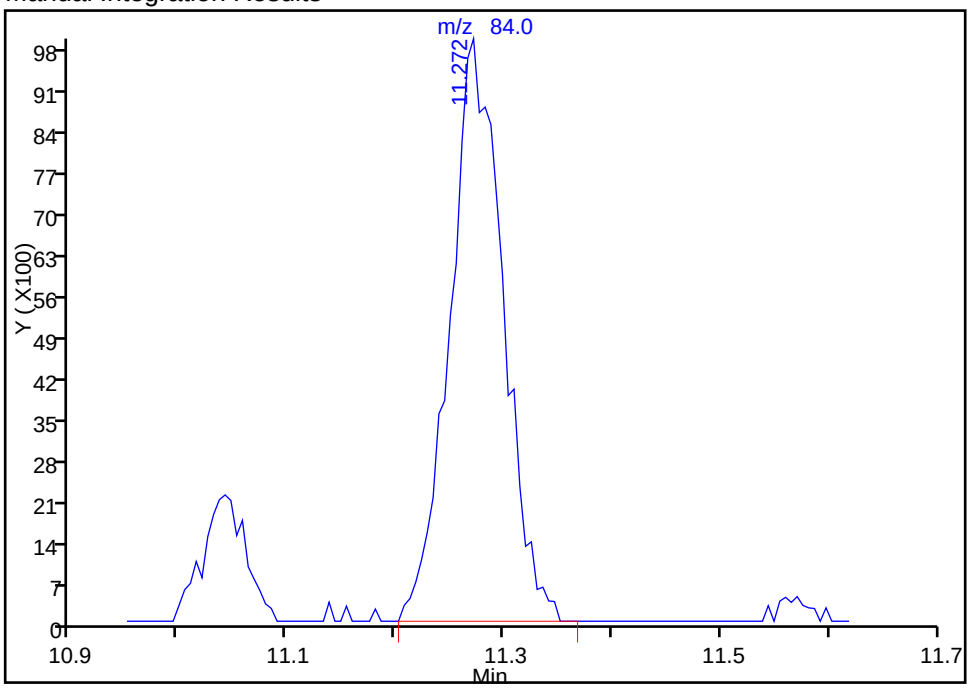
Processing Integration Results

RT: 11.27
Response: 19538
Amount: 0.270888



Manual Integration Results

RT: 11.27
Response: 33925
Amount: 0.470360



Reviewer: desjardinsb, 11-Apr-2014 11:54:26
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

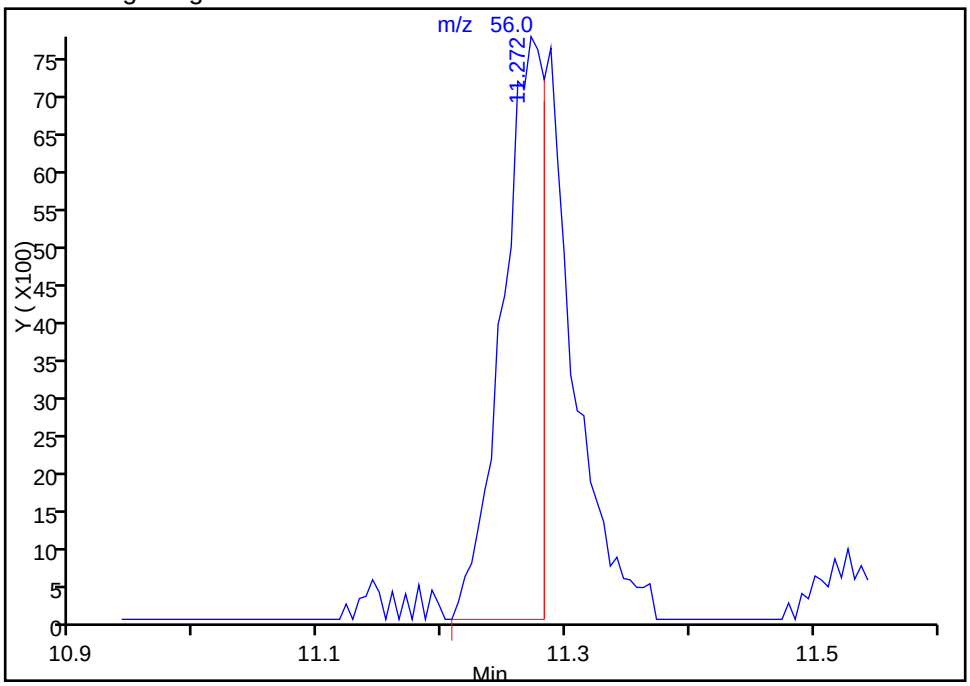
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_24.D				
Injection Date:	11-Apr-2014 09:24:30	Instrument ID:	CHC.i		
Lims ID:	200-21727-A-13	Lab Sample ID:	200-21727-13		
Client ID:	SSDS MID CARBON				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

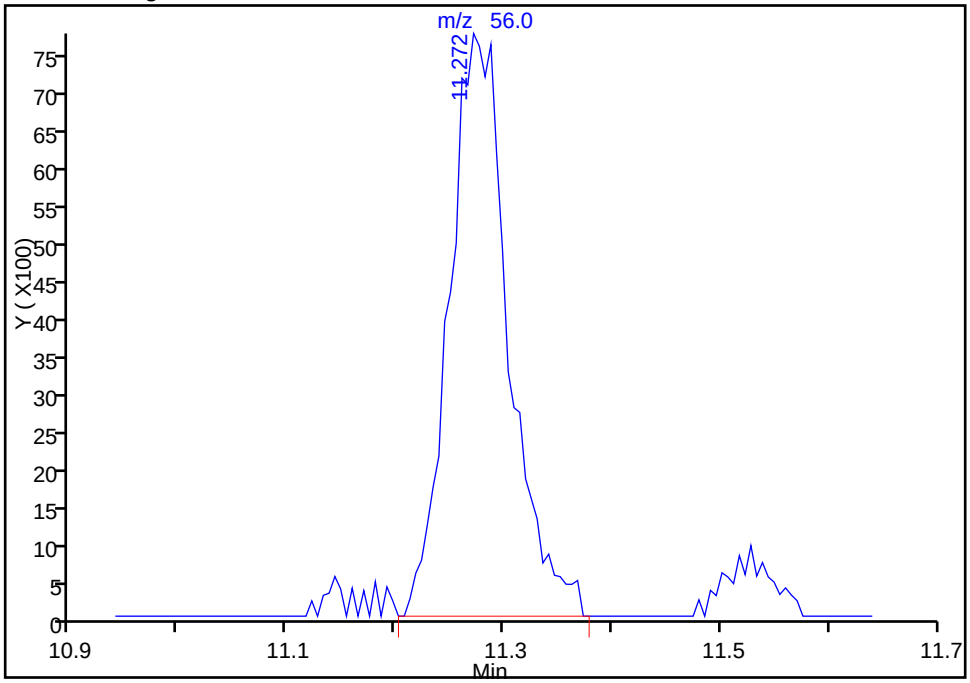
Processing Integration Results

RT: 11.27
Response: 18097
Amount: 0.270888



Manual Integration Results

RT: 11.27
Response: 29608
Amount: 0.470360



Reviewer: desjardinsb, 11-Apr-2014 11:54:26
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21727-1 Analy Batch No.: 69583

SDG No.: 200-21727

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-69583/3	6584_03.D
Level 2	IC 200-69583/4	6584_04.D
Level 3	IC 200-69583/17	6584_17.D
Level 4	IC 200-69583/6	6584_06.D
Level 5	ICIS 200-69583/7	6584_07.D
Level 6	IC 200-69583/8	6584_08.D
Level 7	IC 200-69583/9	6584_09.D
Level 8	IC 200-69583/10	6584_10.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.3196	+++++ 0.3194	0.5199 0.2866	0.3351	0.3036	Ave		0.3474				25.0		30.0			
Freon 12	+++++ 2.4800	+++++ 2.5571	3.0704 2.2713	2.6666	2.4118	Ave		2.5762				11.0		30.0			
Freon 22	+++++ 0.8200	+++++ 0.8420	1.0817 0.7507	0.9056	0.7955	Ave		0.8659				14.0		30.0			
Freon-114	+++++ 2.0553	3.0069 2.1144	2.5463 1.8719	2.1938	1.9755	Ave		2.2520				18.0		30.0			
Chloromethane	+++++ 0.3997	+++++ 0.4105	0.5586 0.3719	0.4319	0.3832	Ave		0.4260				16.0		30.0			
n-Butane	+++++ 0.6596	+++++ 0.6604	0.8617 0.5967	0.6884	0.6159	Ave		0.6804				14.0		30.0			
Vinyl chloride	0.8371 0.5617	0.8399 0.5788	0.7072 0.5303	0.5958	0.5282	Ave		0.6474				20.0		30.0			
1,3-Butadiene	+++++ 0.3853	0.5403 0.4032	0.4714 0.3691	0.4099	0.3757	Ave		0.4221				15.0		30.0			
Bromomethane	+++++ 0.7586	1.1699 0.7812	0.9599 0.7225	0.7898	0.7169	Ave		0.8427				20.0		30.0			
Chloroethane	+++++ 0.2640	+++++ 0.2706	0.3494 0.2467	0.2822	0.2519	Ave		0.2775				14.0		30.0			
Isopentane	+++++ 0.4139	0.7197 0.4171	0.5457 0.3848	0.4477	0.3948	Ave		0.4748				25.0		30.0			
Vinyl bromide	+++++ 0.9620	1.3025 1.0025	1.1507 0.9311	0.9775	0.9047	Ave		1.0330				14.0		30.0			
Freon 11	+++++ 2.9242	4.2280 3.0424	3.5416 2.7858	3.0509	2.7691	Ave		3.1917				16.0		30.0			
n-Pentane	+++++ 0.7040	+++++ 0.7109	0.8790 0.6452	0.7312	0.6564	Ave		0.7211				12.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21727-1 Analy Batch No.: 69583

SDG No.: 200-21727

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.1375	+++++ 0.1393	0.1645 0.1287	0.2036	0.1762	Ave		0.1583				18.0		30.0			
Ethyl ether	+++++ 0.3625	0.4839 0.3745	0.4394 0.3454	0.3805	0.3460	Ave		0.3903				13.0		30.0			
Acrolein	+++++ 0.1538	+++++ 0.1618	0.2662 0.1439	0.1723	0.1581	Ave		0.1760				26.0		30.0			
Freon 113	+++++ 1.7666	2.5125 1.8407	2.1665 1.6855	1.8304	1.6812	Ave		1.9262				16.0		30.0			
1,1-Dichloroethene	+++++ 0.8203	1.0878 0.8564	0.9775 0.7864	0.8424	0.7683	Ave		0.8770				13.0		30.0			
Acetone	+++++ 0.7307	+++++ 0.8562	+++++ 0.6387	0.7799	0.7071	Ave		0.7425				11.0		30.0			
Carbon disulfide	+++++ 1.9783	+++++ 1.8419	2.0254 1.6969	1.7981	1.6500	Ave		1.8317				8.1		30.0			
Isopropyl alcohol	+++++ 0.5444	+++++ 0.5849	+++++ 0.4894	0.5938	0.5126	Ave		0.5450				8.3		30.0			
Allyl chloride	+++++ 0.5390	0.7361 0.5649	0.6297 0.5125	0.5659	0.5166	Ave		0.5807				14.0		30.0			
Acetonitrile	+++++ 0.2790	+++++ 0.2875	+++++ 0.2564	0.2578	0.2500	Ave		0.2661				6.1		30.0			
Methylene Chloride	+++++ 0.5081	+++++ 0.5243	0.6930 0.4703	0.5443	0.4782	Ave		0.5364				15.0		30.0			
tert-Butyl alcohol	+++++ 1.0129	+++++ 1.1519	+++++ 0.9531	1.0906	0.9553	Ave		1.0327				8.4		30.0			
Methyl tert-butyl ether	+++++ 2.1128	2.7396 2.2060	2.4146 2.0120	2.1558	1.9807	Ave		2.2316				12.0		30.0			
trans-1,2-Dichloroethene	+++++ 0.8435	1.1315 0.8679	0.9617 0.7756	0.8801	0.7941	Ave		0.8935				14.0		30.0			
Acrylonitrile	+++++ 0.3380	+++++ 0.3525	0.3646 0.3274	0.3295	0.3118	Ave		0.3373				5.6		30.0			
Hexane	+++++ 0.8039	1.0992 0.8148	0.9558 0.7415	0.8078	0.7377	Ave		0.8515				15.0		30.0			
1,1-Dichloroethane	1.6056 1.1315	1.6001 1.1883	1.3346 1.0835	1.1752	1.0842	Ave		1.2754				17.0		30.0			
Vinyl acetate	+++++ 1.2834	+++++ 1.3398	+++++ 1.2349	1.2842	1.1867	Ave		1.2658				4.6		30.0			
cis-1,2-Dichloroethene	+++++ 1.0491	1.4559 1.1082	1.2405 1.0337	1.0461	0.9802	Ave		1.1305				15.0		30.0			
Methyl Ethyl Ketone	+++++ 0.3754	+++++ 0.4020	0.6735 0.3624	0.3706	0.3487	Ave		0.4221				29.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21727-1 Analy Batch No.: 69583

SDG No.: 200-21727

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0779	+++++ 0.0825	+++++ 0.0766	0.0751	0.0710	Ave		0.0766				5.5		30.0			
Tetrahydrofuran	+++++ 0.1002	+++++ 0.1051	+++++ 0.0950	0.1070	0.0959	Ave		0.1007				5.3		30.0			
Chloroform	+++++ 2.1921	3.0283 2.2930	2.5359 2.0884	2.2342	2.0569	Ave		2.3470				14.0		30.0			
Cyclohexane	+++++ 0.2403	0.3391 0.2525	0.2811 0.2273	0.2460	0.2278	Ave		0.2591				15.0		30.0			
1,1,1-Trichloroethane	+++++ 0.5194	0.7058 0.5479	0.5856 0.4934	0.5392	0.4992	Ave		0.5558				13.0		30.0			
Carbon tetrachloride	0.8018 0.6311	0.7997 0.6600	0.6832 0.6034	0.6419	0.5989	Ave		0.6775				12.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.6654	0.8970 0.6858	0.7578 0.6129	0.6910	0.6340	Ave		0.7063				14.0		30.0			
Benzene	+++++ 0.5460	0.7714 0.5768	0.6578 0.5243	0.5611	0.5168	Ave		0.5935				15.0		30.0			
1,2-Dichloroethane	+++++ 0.2548	0.3616 0.2664	0.2856 0.2368	0.2751	0.2482	Ave		0.2755				15.0		30.0			
Heptane	+++++ 0.2133	0.3080 0.2195	0.2517 0.1932	0.2246	0.2059	Ave		0.2309				17.0		30.0			
n-Butanol	+++++ 0.0734	+++++ 0.0781	+++++ 0.0657	0.0796	0.0680	Ave		0.0730				8.3		30.0			
Trichloroethene	0.4498 0.3299	0.4371 0.3498	0.3874 0.3191	0.3314	0.3109	Ave		0.3644				15.0		30.0			
1,2-Dichloropropane	+++++ 0.1906	0.2702 0.2029	0.2207 0.1831	0.2010	0.1823	Ave		0.2073				15.0		30.0			
Methyl methacrylate	+++++ 0.2154	+++++ 0.2287	0.2216 0.2091	0.2125	0.2012	Ave		0.2148				4.5		30.0			
1,4-Dioxane	+++++ 0.1082	+++++ 0.1140	+++++ 0.0921	0.1092	0.0964	Ave		0.1040				8.9		30.0			
Dibromomethane	+++++ 0.4621	0.5462 0.5008	0.5284 0.4765	0.4191	0.4143	Ave		0.4782				11.0		30.0			
Bromodichloromethane	+++++ 0.5635	0.7145 0.5943	0.6183 0.5386	0.5695	0.5310	Ave		0.5900				11.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.3636	0.4344 0.3870	0.3986 0.3588	0.3639	0.3417	Ave		0.3783				8.2		30.0			
methyl isobutyl ketone	+++++ 0.3293	+++++ 0.3464	0.3520 0.3080	0.3426	0.3134	Ave		0.3319				5.5		30.0			
Toluene	+++++ 0.5401	0.7081 0.5718	0.6265 0.5133	0.5271	0.5019	Ave		0.5698				13.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21727-1 Analy Batch No.: 69583

SDG No.: 200-21727

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.3485	0.5318 0.3532	0.4010 0.2985	0.3727	0.3386	Ave		0.3778				20.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.4074	0.5310 0.4347	0.5211 0.3969	0.4034	0.3856	Ave		0.4400				14.0		30.0			
1,1,2-Trichloroethane	+++++ 0.2386	0.3065 0.2515	0.2756 0.2246	0.2406	0.2231	Ave		0.2515				12.0		30.0			
Tetrachloroethene	0.8566 0.6979	0.8218 0.7487	0.7929 0.6999	0.6317	0.6244	Ave		0.7342				12.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3218	+++++ 0.3350	0.3428 0.2933	0.3372	0.3072	Ave		0.3229				6.0		30.0			
Dibromochloromethane	+++++ 0.7641	0.8693 0.8206	0.8009 0.7531	0.7309	0.7043	Ave		0.7776				7.3		30.0			
1,2-Dibromoethane	+++++ 0.5699	0.6858 0.6082	0.6337 0.5575	0.5468	0.5266	Ave		0.5898				9.5		30.0			
Chlorobenzene	+++++ 0.8562	1.1188 0.9104	1.0232 0.8452	0.8257	0.7873	Ave		0.9095				13.0		30.0			
Ethylbenzene	+++++ 1.2698	1.6720 1.3446	1.4720 1.2248	1.2486	1.1807	Ave		1.3446				13.0		30.0			
n-Nonane	+++++ 0.4006	0.5706 0.4074	0.4779 0.3484	0.4278	0.3819	Ave		0.4307				17.0		30.0			
m,p-Xylene	+++++ 0.5571	0.7010 0.5853	0.6413 0.5125	0.5460	0.5179	Ave		0.5802				12.0		30.0			
Xylene, o-	+++++ 0.5455	0.6834 0.5770	0.6137 0.5231	0.5249	0.5019	Ave		0.5671				11.0		30.0			
Styrene	+++++ 0.8656	0.9541 0.9204	0.9136 0.8555	0.8263	0.8014	Ave		0.8767				6.3		30.0			
Bromoform	+++++ 0.9241	0.8994 0.9992	0.8780 0.9155	0.8414	0.8278	Ave		0.8979				6.4		30.0			
Cumene	+++++ 1.6499	1.9796 1.7556	1.8282 1.4434	1.5979	1.5225	Ave		1.6824				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6366	0.8702 0.6690	0.7530 0.5785	0.6621	0.6048	Ave		0.6820				15.0		30.0			
n-Propylbenzene	+++++ 1.7908	2.3733 1.8744	2.0490 1.3850	1.7812	1.6659	Ave		1.8457				17.0		30.0			
1,2,3-Trichloropropane	+++++ 0.4947	+++++ 0.5134	0.6030 0.4371	0.5238	0.4745	Ave		0.5078				11.0		30.0			
n-Decane	+++++ 0.5014	+++++ 0.4980	0.6337 0.3936	0.5623	0.4929	Ave		0.5136				16.0		30.0			
4-Ethyltoluene	+++++ 1.6369	2.1566 1.6893	1.9088 1.2571	1.6564	1.5395	Ave		1.6921				17.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21727-1 Analy Batch No.: 69583

SDG No.: 200-21727

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.2472	1.7057 1.2872	1.4812 1.0531	1.2999	1.1899	Ave		1.3234				16.0		30.0			
1,3,5-Trimethylbenzene	+++++ 1.4390	1.9397 1.5255	1.5897 1.2536	1.4136	1.3255	Ave		1.4981				15.0		30.0			
Alpha Methyl Styrene	+++++ 0.7626	0.7974 0.7588	0.7821 0.7610	0.7257	0.7018	Ave		0.7556				4.3		30.0			
tert-Butylbenzene	+++++ 1.4924	1.8359 1.5835	1.6778 1.2837	1.4517	1.3741	Ave		1.5284				12.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.4637	2.0433 1.5524	1.6062 1.2229	1.4348	1.3561	Ave		1.5256				17.0		30.0			
sec-Butylbenzene	+++++ 2.0632	2.5547 2.1789	2.3154 1.4251	2.0262	1.9086	Ave		2.0674				17.0		30.0			
4-Isopropyltoluene	+++++ 1.9534	2.4113 2.0603	2.1698 1.3537	1.8760	1.7911	Ave		1.9451				17.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2534	1.4162 1.3444	1.3973 1.1335	1.1669	1.1261	Ave		1.2626				9.9		30.0			
1,4-Dichlorobenzene	+++++ 1.2542	1.4128 1.3584	1.4064 1.1452	1.1687	1.1304	Ave		1.2680				9.8		30.0			
Benzyl chloride	+++++ 1.1916	1.2858 1.3735	1.2706 1.1528	1.2727	1.2001	Ave		1.2496				5.9		30.0			
n-Butylbenzene	+++++ 1.3908	1.8725 1.4049	1.6769 1.0929	1.4753	1.3414	Ave		1.4650				17.0		30.0			
n-Undecane	+++++ 0.5277	+++++ 0.5058	+++++ 0.3515	0.6195	0.5279	Ave		0.5065				19.0		30.0			
1,2-Dichlorobenzene	+++++ 1.1834	1.3600 1.2792	1.2972 1.1327	1.1061	1.0608	Ave		1.2028				9.2		30.0			
n-Dodecane	+++++ 0.4939	+++++ 0.4800	+++++ 0.1856	0.4763	0.4344	Ave		0.4140				31.0	*	30.0			
1,2,4-Trichlorobenzene	+++++ 1.0788	+++++ 1.1347	1.0891 0.6344	0.8954	0.9152	Ave		0.9580				19.0		30.0			
Hexachloro-1,3-butadiene	+++++ 0.9028	1.1167 0.9583	1.0331 0.4810	0.8767	0.8299	Ave		0.8855				23.0		30.0			
Naphthalene	+++++ 2.1568	+++++ 2.1180	1.9061 1.2421	1.7343	1.7510	Ave		1.8180				18.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.9830	0.7869 1.0166	0.9715 0.4350	0.7937	0.8142	Ave		0.8287				24.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21727-1 Analy Batch No.: 69583

SDG No.: 200-21727

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-69583/3	6584_03.D
Level 2	IC 200-69583/4	6584_04.D
Level 3	IC 200-69583/17	6584_17.D
Level 4	IC 200-69583/6	6584_06.D
Level 5	ICIS 200-69583/7	6584_07.D
Level 6	IC 200-69583/8	6584_08.D
Level 7	IC 200-69583/9	6584_09.D
Level 8	IC 200-69583/10	6584_10.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 298868	+++++ 408082	16016 809124	90335	181800	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Freon 12	BCM	Ave	+++++ 2318990	+++++ 3267185	94592 6412714	718864	1444396	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Freon 22	BCM	Ave	+++++ 766711	+++++ 1075776	33325 2119536	244137	476447	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Freon-114	BCM	Ave	+++++ 1921803	30966 2701591	78444 5285181	591393	1183101	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chloromethane	BCM	Ave	+++++ 373710	+++++ 524548	17209 1050091	116419	229477	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
n-Butane	BCM	Ave	+++++ 616806	+++++ 843803	26546 1684776	185566	368841	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Vinyl chloride	BCM	Ave	1767 525225	8649 739494	21787 1497291	160603	316364	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3-Butadiene	BCM	Ave	+++++ 360241	5564 515134	14522 1042017	110497	225019	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromomethane	BCM	Ave	+++++ 709332	12048 998133	29573 2040013	212908	429354	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chloroethane	BCM	Ave	+++++ 246857	+++++ 345796	10765 696405	76075	150856	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Isopentane	BCM	Ave	+++++ 387033	7412 532924	16813 1086291	120683	236450	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Vinyl bromide	BCM	Ave	+++++ 899568	13413 1280905	35451 2628769	263513	541836	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Freon 11	BCM	Ave	+++++ 2734267	43541 3887278	109106 7865204	822444	1658401	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Pentane	BCM	Ave	+++++ 658272	+++++ 908364	27079 1821586	197113	393101	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Ethanol	BCM	Ave	+++++ 171760	+++++ 356128	50748 908250	82364	158331	+++++ 20.0	+++++ 40.0	5.01 100.0	7.50	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21727-1 Analy Batch No.: 69583

SDG No.: 200-21727

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 338969	4983 478561	13536 975060	102562	207229	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acrolein	BCM	Ave	+++++ 143767	+++++ 206776	8200 406405	46452	94670	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Freon 113	BCM	Ave	+++++ 1651853	25874 2351895	66744 4758714	493432	1006861	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 767018	11202 1094257	30114 2220318	227098	460152	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acetone	BCM	Ave	+++++ 683269	+++++ 1093966	+++++ 1803417	210248	423482	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Carbon disulfide	BCM	Ave	+++++ 1849794	+++++ 2353435	62396 4790875	484724	988159	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Isopropyl alcohol	BCM	Ave	+++++ 509071	+++++ 747347	+++++ 1381834	160073	306988	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Allyl chloride	BCM	Ave	+++++ 503999	7581 721771	19400 1447049	152541	309412	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acetonitrile	BCM	Ave	+++++ 260894	+++++ 367368	+++++ 723819	69510	149718	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Methylene Chloride	BCM	Ave	+++++ 475096	+++++ 669926	21351 1327962	146744	286418	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 947102	+++++ 1471769	+++++ 2690824	294004	572145	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1975578	28213 2818621	74387 5680600	581168	1186227	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 788753	11652 1108915	29628 2189873	237263	475571	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acrylonitrile	BCM	Ave	+++++ 316036	+++++ 450337	11233 924437	88837	186728	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Hexane	BCM	Ave	+++++ 751733	11320 1041087	29445 2093609	217778	441793	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1-Dichloroethane	BCM	Ave	3389 1057988	16478 1518338	41116 3059145	316815	649312	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Vinyl acetate	BCM	Ave	+++++ 1200019	+++++ 1711893	+++++ 3486674	346192	710683	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 980984	14993 1416015	38215 2918433	281994	587020	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 350986	+++++ 513694	20748 1023216	99907	208818	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Ethyl acetate	BCM	Ave	+++++ 72861	+++++ 105391	+++++ 216153	20246	42532	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Tetrahydrofuran	DFB	Ave	+++++ 513368	+++++ 734029	+++++ 1485013	153459	308296	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21727-1 Analy Batch No.: 69583

SDG No.: 200-21727

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2049741	31186 2929800	78125 5896383	602303	1231884	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Cyclohexane	DFB	Ave	+++++ 1231641	18485 1762668	48024 3552587	352757	732126	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2662058	38477 3825219	100051 7710854	773006	1604820	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Carbon tetrachloride	DFB	Ave	9057 3234907	43596 4607835	116734 9431564	920235	1925143	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3410430	48904 4788117	129481 9579174	990661	2038101	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Benzene	DFB	Ave	+++++ 2798383	42054 4026626	112391 8195140	804505	1661370	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1306248	19712 1859756	48796 3701240	394381	797724	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Heptane	DFB	Ave	+++++ 1093472	16789 1532398	43011 3020158	321999	661942	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Butanol	DFB	Ave	+++++ 376202	+++++ 545253	+++++ 1027530	114152	218697	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Trichloroethene	DFB	Ave	5081 1690800	23830 2442289	66198 4987397	475168	999506	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 977106	14730 1416549	37712 2861195	288170	586002	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl methacrylate	DFB	Ave	+++++ 1103836	+++++ 1596837	37867 3268669	304656	646744	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
1,4-Dioxane	DFB	Ave	+++++ 554620	+++++ 796044	+++++ 1438986	156549	309787	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Dibromomethane	DFB	Ave	+++++ 2368531	29779 3496533	90280 7447254	600831	1331677	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromodichloromethane	DFB	Ave	+++++ 2888098	38954 4148989	105647 8418584	816562	1706882	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1863705	23682 2702065	68103 5607337	521704	1098440	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1687707	+++++ 2418457	60143 4813145	491217	1007405	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Toluene	CBZ	Ave	+++++ 2827714	38081 4099784	108049 8323022	764912	1646550	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Octane	DFB	Ave	+++++ 1786298	28994 2465548	68522 4665401	534374	1088585	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2088223	28948 3034935	89036 6203417	578372	1239483	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1249163	16485 1803469	47530 3642125	349164	732074	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21727-1 Analy Batch No.: 69583

SDG No.: 200-21727

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	9482 3654072	44193 5368390	136752 11348332	916685	2048531	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1685045	+++++ 2402133	59117 4755940	489293	1008004	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Dibromochloromethane	CBZ	Ave	+++++ 4001001	46748 5884399	138118 12210435	1060517	2310784	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2983971	36880 4361203	109295 9038760	793470	1727868	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chlorobenzene	CBZ	Ave	+++++ 4482844	60168 6527834	176457 13702992	1198049	2583151	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Ethylbenzene	CBZ	Ave	+++++ 6648515	89919 9641279	253859 19858506	1811692	3873875	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Nonane	CBZ	Ave	+++++ 2097528	30686 2921141	82426 5648557	620747	1252845	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
m,p-Xylene	CBZ	Ave	+++++ 5833710	75394 8393442	221218 16617718	1584540	3398649	+++++ 30.0	0.401 40.0	1.00 80.0	10.00	20.0
Xylene, o-	CBZ	Ave	+++++ 2856396	36754 4137056	105847 8482008	761697	1646637	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Styrene	CBZ	Ave	+++++ 4532103	51308 6599709	157564 13870189	1198984	2629466	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromoform	CBZ	Ave	+++++ 4838505	48367 7164917	151426 14843248	1220937	2715969	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Cumene	CBZ	Ave	+++++ 8638636	106461 12588419	315300 23402938	2318545	4995109	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3333370	46798 4796715	129867 9380368	960760	1984252	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Propylbenzene	CBZ	Ave	+++++ 9376775	127633 13440119	353372 22456625	2584629	5465656	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2590452	+++++ 3681350	103993 7086669	760035	1556943	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
n-Decane	CBZ	Ave	+++++ 2625161	+++++ 3571110	109292 6381846	815848	1617231	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 8570668	115977 12113148	329202 20381969	2403448	5050904	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6530371	91731 9229458	255453 17074124	1886220	3903850	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 7534716	104311 10938649	274169 20325838	2051127	4349072	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 3992968	42880 5440923	134876 12338930	1052980	2302482	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 7814140	98732 11354634	289364 20813054	2106452	4508300	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21727-1 Analy Batch No.: 69583

SDG No.: 200-21727

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 7663747	109884 11131626	277006 19827314	2081904	4449383	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 10802817	137389 15624004	399320 23106044	2940059	6262027	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 10228064	129674 14773079	374207 21948463	2722086	5876655	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 6562820	76163 9640118	240985 18378150	1693161	3694730	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 6566876	75976 9740625	242550 18567371	1695765	3708759	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Benzyl chloride	CBZ	Ave	+++++ 6239168	69148 9848355	219132 18690693	1846791	3937421	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Butylbenzene	CBZ	Ave	+++++ 7282002	100697 10073920	289207 17720284	2140730	4400974	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Undecane	CBZ	Ave	+++++ 2763255	+++++ 3626991	+++++ 5698616	898858	1732014	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 6196158	73137 9172151	223715 18364719	1604939	3480544	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Dodecane	CBZ	Ave	+++++ 2586228	+++++ 3441646	+++++ 3009118	691167	1425197	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 5648414	+++++ 8136405	187836 10286355	1299301	3002882	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Hexachloro-1,3-butadiene	CBZ	Ave	+++++ 4727211	60053 6871598	178170 7798873	1272119	2722961	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Naphthalene	CBZ	Ave	+++++ 11293279	+++++ 15186624	328732 20138429	2516517	5744919	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 5146910	42316 7289294	167553 7052922	1151653	2671513	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_03.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-Mar-2014 09:42:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006584-003
Misc. Info.: level 1
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Mar-2014 10:03:04 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: desjardinsb Date: 19-Mar-2014 07:54:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.187	3.181	0.006	83	3779	0.2066	
2 Dichlorodifluoromethane	85	3.272	3.261	0.011	78	8447	0.0623	
6 Chlorodifluoromethane	51	3.320	3.320	0.0	29	2308	0.0506	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.549	3.549	0.0	68	7391	0.0623	
8 Chloromethane	50	3.704	3.704	0.0	62	2195	0.0979	
9 Butane	43	3.928	3.923	0.005	64	2531	0.0706	
10 Vinyl chloride	62	3.971	3.971	0.0	19	1767	0.0518	
11 Butadiene	54	4.056	4.056	0.0	52	1065	0.0479	
12 Bromomethane	94	4.798	4.798	0.0	80	2802	0.0631	
13 Chloroethane	64	5.065	5.054	0.011	13	841	0.0576	
14 2-Methylbutane	43	5.129	5.134	-0.005	43	1839	0.0736	
15 Vinyl bromide	106	5.476	5.471	0.005	72	2927	0.0538	
16 Trichlorofluoromethane	101	5.577	5.577	0.0	56	5695	0.0339	
17 Pentane	43	5.722	5.721	0.001	71	2834	0.0746	
19 Ethanol	45	6.271	6.228	0.043	17	954	0.1145	
21 Ethyl ether	59	6.341	6.292	0.049	22	890	0.0433	
22 Acrolein	56	6.720	6.709	0.011	1	520	0.0561	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.714	6.714	0.0	64	5261	0.0519	
24 1,1-Dichloroethene	96	6.762	6.757	0.005	47	2056	0.0445	
25 Acetone	43	7.083	7.040	0.042	74	14885	0.3807	
26 Carbon disulfide	76	7.152	7.146	0.006	79	6083	0.0631	
27 Isopropyl alcohol	45	7.413	7.360	0.053	59	2554	0.0890	
29 3-Chloro-1-propene	41	7.590	7.589	0.001	1	1233	0.0403	
30 Acetonitrile	41	7.776	7.760	0.016	57	956	0.0682	
31 Methylene Chloride	49	7.899	7.904	-0.005	56	4043	0.1431	
32 2-Methyl-2-propanol	59	8.225	8.160	0.065	35	2592	0.0477	
33 Methyl tert-butyl ether	73	8.363	8.321	0.043	47	5085	0.0433	
34 trans-1,2-Dichloroethene	61	8.347	8.347	0.0	36	2706	0.0575	
35 Acrylonitrile	53	8.534	8.534	0.0	5	169	0.009516	
36 Hexane	57	8.753	8.742	0.011	62	2379	0.0531	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	9.260	9.265 -0.005	11	3389	0.0505	
	38 Vinyl acetate	43	9.377	9.356 0.021	67	3233	0.0485	
S	41 1,2-Dichloroethene, Total	61			0		0.1055	
	39 cis-1,2-Dichloroethene	96	10.429	10.429 0.0	55	2855	0.0480	
	40 2-Butanone (MEK)	72	10.535	10.503 0.032	80	3913	0.1761	
	42 Ethyl acetate	88		10.546				
*	43 Chlorobromomethane	128	10.914	10.920 -0.006	64	526538	10.0	
	44 Tetrahydrofuran	42	10.994	10.930 0.064	43	1420	0.0501	
	45 Chloroform	83	11.053	11.058 -0.005	41	6666	0.0539	
	46 Cyclohexane	84	11.283	11.288 -0.005	16	1533	0.0210	
	47 1,1,1-Trichloroethane	97	11.336	11.336 0.0	52	7993	0.0510	
	48 Carbon tetrachloride	117	11.582	11.587 -0.005	69	9057	0.0474	
	51 Isooctane	57	12.040	12.040 0.0	82	10048	0.0505	
	50 Benzene	78	12.099	12.088 0.011	55	9455	0.0565	
	52 1,2-Dichloroethane	62	12.291	12.296 -0.005	50	4161	0.0536	
	53 n-Heptane	43	12.457	12.457 0.0	58	2423	0.0372	
*	54 1,4-Difluorobenzene	114	12.985	12.985 0.0	91	2817655	10.0	
	55 n-Butanol	56	13.476	13.428 0.048	36	2613	0.1271	
	56 Trichloroethene	95	13.460	13.465 -0.005	64	5081	0.0495	M
A	57 GRO	1	13.497	5.124 - 21.870	0	1784588	0	
	58 1,2-Dichloropropane	63	14.069	14.063 0.005	18	1610	0.0276	
	59 Methyl methacrylate	69	14.261	14.244 0.017	45	3171	0.0524	
	60 1,4-Dioxane	88	14.389	14.309 0.081	12	2007	0.0685	
	61 Dibromomethane	174	14.330	14.330 0.0	78	6328	0.0470	
	62 Dichlorobromomethane	83	14.656	14.634 0.022	72	8276	0.0498	
A	63 TVOC as Toluene	1	15.269	3.171 - 27.367	0	2806368	17.5	
	64 cis-1,3-Dichloropropene	75	15.654	15.595 0.059	37	5067	0.0475	
	65 4-Methyl-2-pentanone (MIBK)	43	15.984	15.904 0.080	68	7322	0.0783	
	66 Toluene	92	16.246	16.192 0.054	60	8194	0.0521	
	68 n-Octane	43	16.278	16.235 0.043	75	5735	0.0539	
	70 trans-1,3-Dichloropropene	75	16.806	16.806 0.0	1	289	0.002331	
	71 1,1,2-Trichloroethane	83		17.185				
	72 Tetrachloroethene	166	17.319	17.276 0.043	83	9482	0.0468	
	73 2-Hexanone	43	17.708	17.649 0.059	68	5527	0.0620	
	74 Chlorodibromomethane	129	17.980	17.954 0.026	50	3919	0.0183	
	75 Ethylene Dibromide	107	18.269	18.231 0.038	63	7511	0.0461	
*	76 Chlorobenzene-d5	117	19.155	19.128 0.027	80	2761308	10.0	
	77 Chlorobenzene	112	19.213	19.186 0.027	26	13106	0.0522	
	78 Ethylbenzene	91	19.363	19.336 0.027	65	18594	0.0501	
	79 n-Nonane	57	19.464	19.437 0.027	70	6402	0.0538	
	81 m-Xylene & p-Xylene	106	19.619	19.587 0.032	98	15382	0.0960	
S	82 Xylenes, Total	106			0		0.1430	
	83 o-Xylene	106	20.414	20.398 0.016	73	7351	0.0469	
	84 Styrene	104	20.462	20.441 0.021	74	9669	0.0399	
	85 Bromoform	173	20.862	20.841 0.021	86	9895	0.0399	
	86 Isopropylbenzene	105	21.044	21.028 0.016	72	21227	0.0457	
$	87 4-Bromofluorobenzene	95	21.396	21.380 0.016	96	1864521	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.658	21.652 0.006	74	10213	0.0542	
	90 N-Propylbenzene	91	21.722	21.711 0.011	91	25610	0.0503	
	89 1,2,3-Trichloropropane	75	21.764	21.743 0.021	69	9242	0.0659	
	93 n-Decane	57	21.866	21.860 0.006	71	8907	0.0628	
	91 4-Ethyltoluene	105	21.903	21.892 0.011	85	23107	0.0495	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
92	2-Chlorotoluene	91	21.919	21.903	0.016	67	19659	0.0538	
94	1,3,5-Trimethylbenzene	105	21.999	21.988	0.011	86	21966	0.0531	
95	Alpha Methyl Styrene	118	22.351	22.346	0.005	72	8088	0.0388	
96	tert-Butylbenzene	119	22.474	22.463	0.011	82	21230	0.0503	
97	1,2,4-Trimethylbenzene	105	22.560	22.554	0.006	78	21768	0.0517	
98	sec-Butylbenzene	105	22.784	22.778	0.006	87	28621	0.0501	
99	4-Isopropyltoluene	119	22.981	22.970	0.011	78	27680	0.0515	
100	1,3-Dichlorobenzene	146	23.018	23.008	0.010	87	15945	0.0457	
101	1,4-Dichlorobenzene	146	23.157	23.146	0.011	83	16004	0.0457	
102	Benzyl chloride	91	23.365	23.355	0.010	81	14574	0.0422	
103	n-Butylbenzene	91	23.568	23.563	0.005	85	20614	0.0510	
104	Undecane	57	23.568	23.568	0.0	60	9965	0.0713	
105	1,2-Dichlorobenzene	146	23.712	23.701	0.011	87	14970	0.0451	
106	Dodecane	57	25.223	25.222	0.001	40	3122	0.0273	
107	1,2,4-Trichlorobenzene	180	26.343	26.333	0.010	24	6706	0.0254	
108	Hexachlorobutadiene	225	26.530	26.519	0.011	75	12261	0.0501	
109	Naphthalene	128	26.866	26.856	0.010	53	5884	0.0117	
110	1,2,3-Trichlorobenzene	180	27.363	27.357	0.006	34	4720	0.0206	

QC Flag Legend

Review Flags
M - Manually Integrated

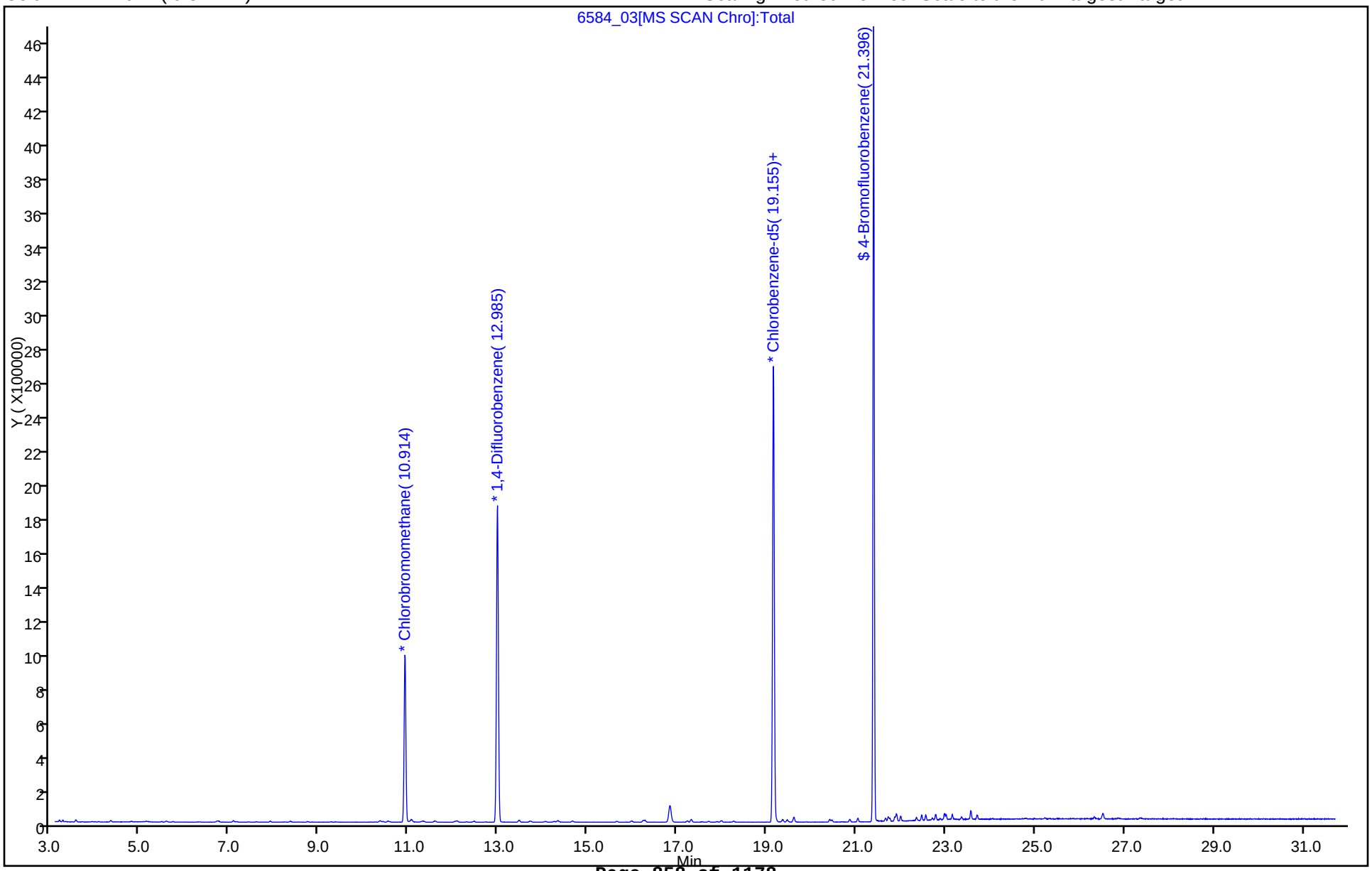
Report Date: 24-Mar-2014 10:03:04 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_03.D

Injection Date:	18-Mar-2014 09:42:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	IC			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

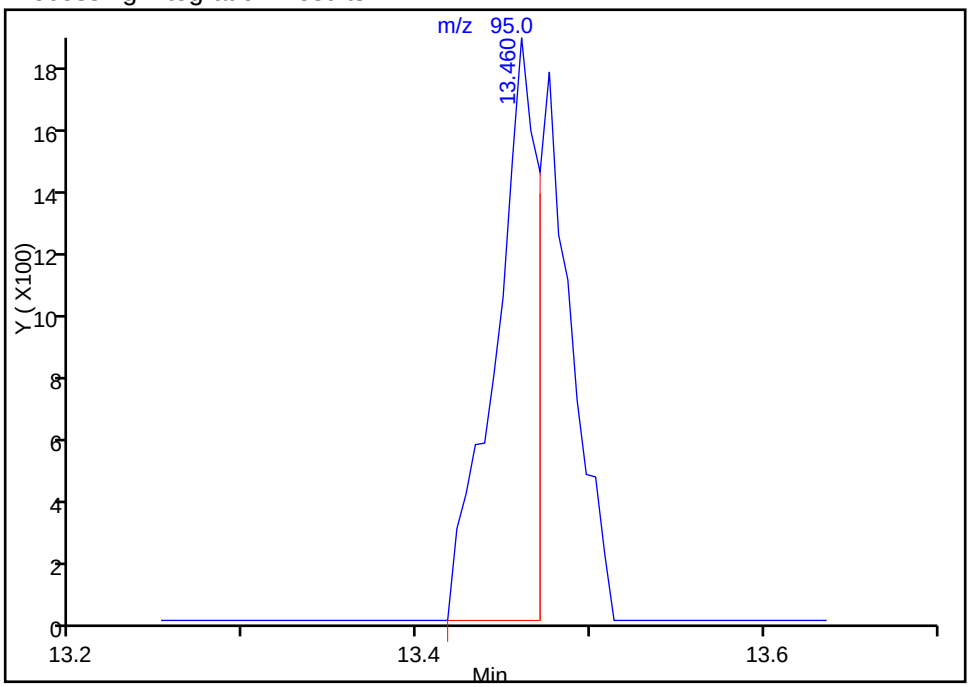
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_03.D
Injection Date: 18-Mar-2014 09:42:30 Instrument ID: CHC.i
Lims ID: IC
Client ID:
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

56 Trichloroethene, CAS: 79-01-6

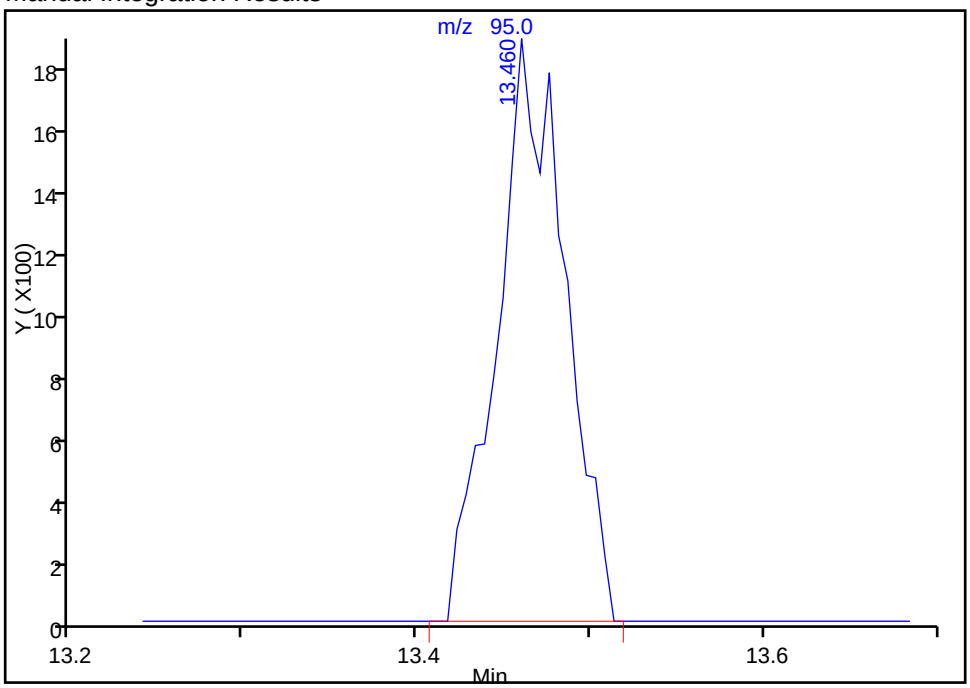
Processing Integration Results

RT: 13.46
Response: 3190
Amount: 0.032958



Manual Integration Results

RT: 13.46
Response: 5081
Amount: 0.049480



Reviewer: desjardinsb, 19-Mar-2014 07:54:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

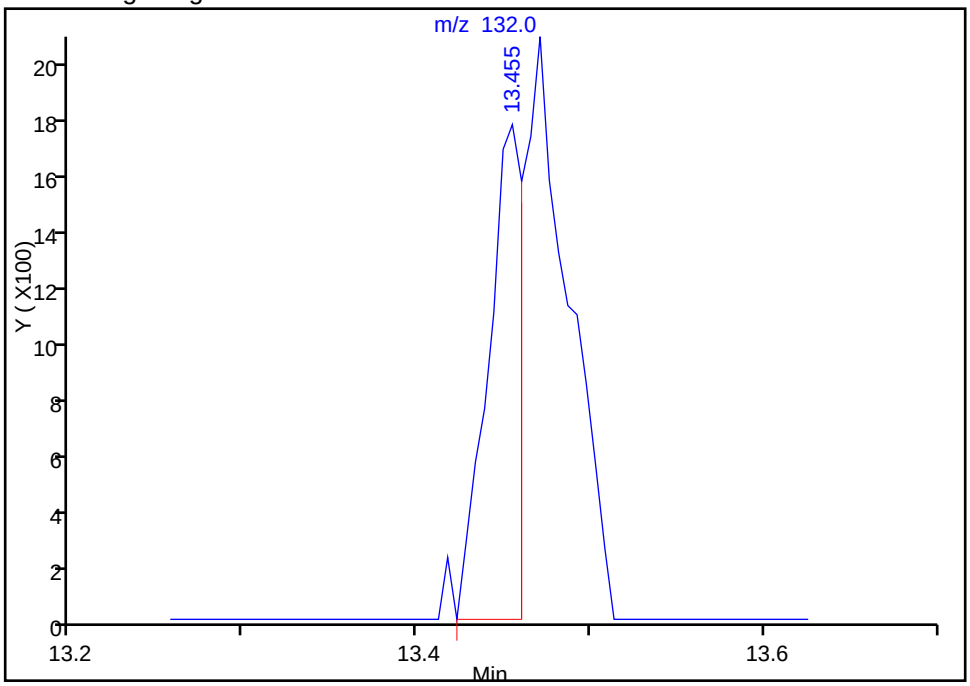
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_03.D				
Injection Date:	18-Mar-2014 09:42:30	Instrument ID:	CHC.i		
Lims ID:	IC				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

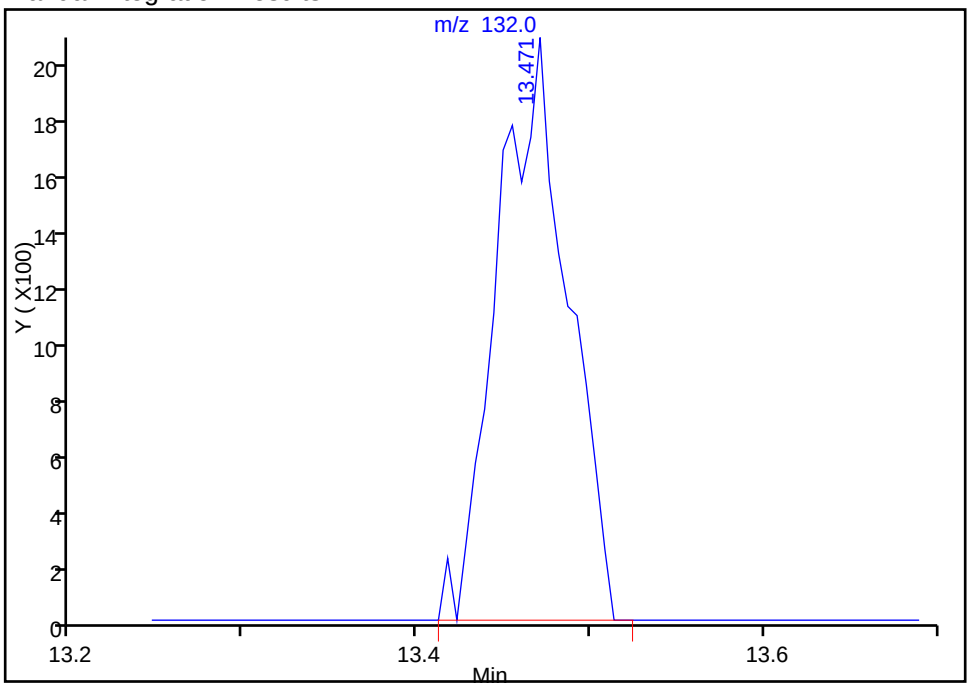
Processing Integration Results

RT: 13.45
Response: 2396
Amount: 0.032958



Manual Integration Results

RT: 13.47
Response: 5743
Amount: 0.049480



Reviewer: desjardinsb, 19-Mar-2014 07:54:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_04.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-Mar-2014 10:34:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006584-004
Misc. Info.: level 2
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Mar-2014 10:03:51 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: desjardinsb Date: 24-Mar-2014 09:57:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.192	3.181	0.011	92	8706	0.4878	
2 Dichlorodifluoromethane	85	3.261	3.261	0.0	87	38942	0.2942	
6 Chlorodifluoromethane	51	3.320	3.320	0.0	88	13742	0.3089	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.549	3.549	0.0	78	30966	0.2676	
8 Chloromethane	50	3.699	3.704	-0.005	84	7650	0.3496	
9 Butane	43	3.928	3.923	0.005	89	12095	0.3460	
10 Vinyl chloride	62	3.971	3.971	0.0	76	8649	0.2600	
11 Butadiene	54	4.051	4.056	-0.005	82	5564	0.2566	
12 Bromomethane	94	4.793	4.798	-0.005	88	12048	0.2783	
13 Chloroethane	64	5.049	5.054	-0.005	60	4028	0.2826	
14 2-Methylbutane	43	5.124	5.134	-0.010	83	7412	0.3038	
15 Vinyl bromide	106	5.460	5.471	-0.011	87	13413	0.2527	
16 Trichlorofluoromethane	101	5.577	5.577	0.0	93	43541	0.2655	
17 Pentane	43	5.727	5.721	0.006	84	11669	0.3150	
19 Ethanol	45		6.228					
21 Ethyl ether	59	6.309	6.292	0.017	78	4983	0.2485	
22 Acrolein	56	6.725	6.709	0.016	3	3488	0.3857	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.714	6.714	0.0	82	25874	0.2614	
24 1,1-Dichloroethene	96	6.757	6.757	0.0	75	11202	0.2486	
25 Acetone	43	7.056	7.040	0.016	87	71729	1.88	
26 Carbon disulfide	76	7.146	7.146	0.0	86	29591	0.3144	
27 Isopropyl alcohol	45	7.387	7.360	0.027	76	9105	0.3251	
29 3-Chloro-1-propene	41	7.589	7.589	0.0	66	7581	0.2541	
30 Acetonitrile	41	7.771	7.760	0.011	95	4767	0.3486	
31 Methylene Chloride	49	7.899	7.904	-0.005	67	13369	0.4851	
32 2-Methyl-2-propanol	59	8.182	8.160	0.022	82	12098	0.2280	
33 Methyl tert-butyl ether	73	8.337	8.321	0.017	90	28213	0.2461	
34 trans-1,2-Dichloroethene	61	8.347	8.347	0.0	67	11652	0.2538	
35 Acrylonitrile	53	8.545	8.534	0.011	78	4248	0.2451	
36 Hexane	57	8.737	8.742	-0.005	77	11320	0.2587	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	9.265	9.265 0.0	81	16478	0.2515	
	38 Vinyl acetate	43	9.367	9.356 0.011	98	15055	0.2315	
S	41 1,2-Dichloroethene, Total	61			0		0.5120	
	39 cis-1,2-Dichloroethene	96	10.423	10.429 -0.006	71	14993	0.2581	
	40 2-Butanone (MEK)	72	10.514	10.503 0.011	95	20868	0.9623	
	42 Ethyl acetate	88	10.551	10.546 0.005	9	941	0.2391	
*	43 Chlorobromomethane	128	10.914	10.920 -0.006	66	513780	10.0	
	44 Tetrahydrofuran	42	10.962	10.930 0.032	82	9887	0.3612	
	45 Chloroform	83	11.058	11.058 0.0	95	31186	0.2586	
	46 Cyclohexane	84	11.283	11.288 -0.005	50	18485	0.2623	M
	47 1,1,1-Trichloroethane	97	11.331	11.336 -0.005	80	38477	0.2545	
	48 Carbon tetrachloride	117	11.581	11.587 -0.006	96	43596	0.2366	
	51 Isooctane	57	12.046	12.040 0.006	94	48904	0.2546	
	50 Benzene	78	12.088	12.088 0.0	90	42054	0.2605	
	52 1,2-Dichloroethane	62	12.297	12.296 0.001	82	19712	0.2631	
	53 n-Heptane	43	12.446	12.457 -0.011	75	16789	0.2673	M
*	54 1,4-Difluorobenzene	114	12.980	12.985 -0.005	92	2719885	10.0	
	55 n-Butanol	56	13.444	13.428 0.016	71	10714	0.5398	
	56 Trichloroethene	95	13.460	13.465 -0.005	89	23830	0.2404	
A	57 GRO	1	13.497	5.124 - 21.870	0	6967776	0	
	58 1,2-Dichloropropane	63	14.063	14.063 0.0	85	14730	0.2613	
	59 Methyl methacrylate	69	14.255	14.244 0.011	74	13921	0.2383	
	60 1,4-Dioxane	88	14.351	14.309 0.043	36	8320	0.2942	
	61 Dibromomethane	174	14.325	14.330 -0.005	86	29779	0.2290	
	62 Dichlorobromomethane	83	14.629	14.634 -0.005	91	38954	0.2428	
A	63 TVOC as Toluene	1	15.269	3.171 - 27.367	0	12865943	83.0	
	64 cis-1,3-Dichloropropene	75	15.600	15.595 0.005	73	23682	0.2302	
	65 4-Methyl-2-pentanone (MIBK)	43	15.915	15.904 0.011	87	38821	0.4300	
	66 Toluene	92	16.193	16.192 0.0	90	38081	0.2491	
	68 n-Octane	43	16.225	16.235 -0.010	85	28994	0.2822	
	70 trans-1,3-Dichloropropene	75	16.806	16.806 0.0	85	28948	0.2419	
	71 1,1,2-Trichloroethane	83	17.185	17.185 0.0	89	16485	0.2443	
	72 Tetrachloroethene	166	17.271	17.276 -0.005	92	44193	0.2243	
	73 2-Hexanone	43	17.655	17.649 0.006	85	26310	0.3037	
	74 Chlorodibromomethane	129	17.948	17.954 -0.006	92	46748	0.2241	
	75 Ethylene Dibromide	107	18.221	18.231 -0.010	94	36880	0.2331	
*	76 Chlorobenzene-d5	117	19.122	19.128 -0.006	82	2683001	10.0	
	77 Chlorobenzene	112	19.181	19.186 -0.005	49	60168	0.2466	
	78 Ethylbenzene	91	19.331	19.336 -0.005	92	89919	0.2492	
	79 n-Nonane	57	19.437	19.437 0.0	80	30686	0.2656	
	81 m-Xylene & p-Xylene	106	19.581	19.587 -0.006	99	75394	0.4844	
S	82 Xylenes, Total	106			0		0.7259	
	83 o-Xylene	106	20.393	20.398 -0.005	89	36754	0.2416	
	84 Styrene	104	20.441	20.441 0.0	93	51308	0.2181	
	85 Bromoform	173	20.841	20.841 0.0	98	48367	0.2008	
	86 Isopropylbenzene	105	21.028	21.028 0.0	93	106461	0.2358	
$	87 4-Bromofluorobenzene	95	21.380	21.380 0.0	96	1824309	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.652	21.652 0.0	92	46798	0.2557	
	90 N-Propylbenzene	91	21.711	21.711 0.0	99	127633	0.2577	
	89 1,2,3-Trichloropropane	75	21.748	21.743 0.005	83	40719	0.2989	
	93 n-Decane	57	21.860	21.860 0.0	83	43752	0.3175	
	91 4-Ethyltoluene	105	21.887	21.892 -0.005	93	115977	0.2555	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
92 2-Chlorotoluene	91	21.903	21.903	0.0	88	91731	0.2583
94 1,3,5-Trimethylbenzene	105	21.988	21.988	0.0	93	104311	0.2595
95 Alpha Methyl Styrene	118	22.346	22.346	0.0	92	42880	0.2115
96 tert-Butylbenzene	119	22.458	22.463	-0.005	92	98732	0.2408
97 1,2,4-Trimethylbenzene	105	22.554	22.554	0.0	96	109884	0.2685
98 sec-Butylbenzene	105	22.773	22.778	-0.005	97	137389	0.2477
99 4-Isopropyltoluene	119	22.970	22.970	0.0	94	129674	0.2485
100 1,3-Dichlorobenzene	146	23.008	23.008	0.0	97	76163	0.2248
101 1,4-Dichlorobenzene	146	23.146	23.146	0.0	97	75976	0.2233
102 Benzyl chloride	91	23.355	23.355	0.0	98	69148	0.2063
103 n-Butylbenzene	91	23.557	23.563	-0.006	95	100697	0.2562
104 Undecane	57	23.568	23.568	0.0	85	49692	0.3657
105 1,2-Dichlorobenzene	146	23.702	23.701	0.001	98	73137	0.2266
106 Dodecane	57	25.223	25.222	0.001	90	33494	0.3015
107 1,2,4-Trichlorobenzene	180	26.333	26.333	0.0	87	48158	0.1874
108 Hexachlorobutadiene	225	26.525	26.519	0.006	91	60053	0.2528
109 Naphthalene	128	26.861	26.856	0.005	96	73993	0.1517
110 1,2,3-Trichlorobenzene	180	27.357	27.357	0.0	88	42316	0.1903

QC Flag Legend

Review Flags
M - Manually Integrated

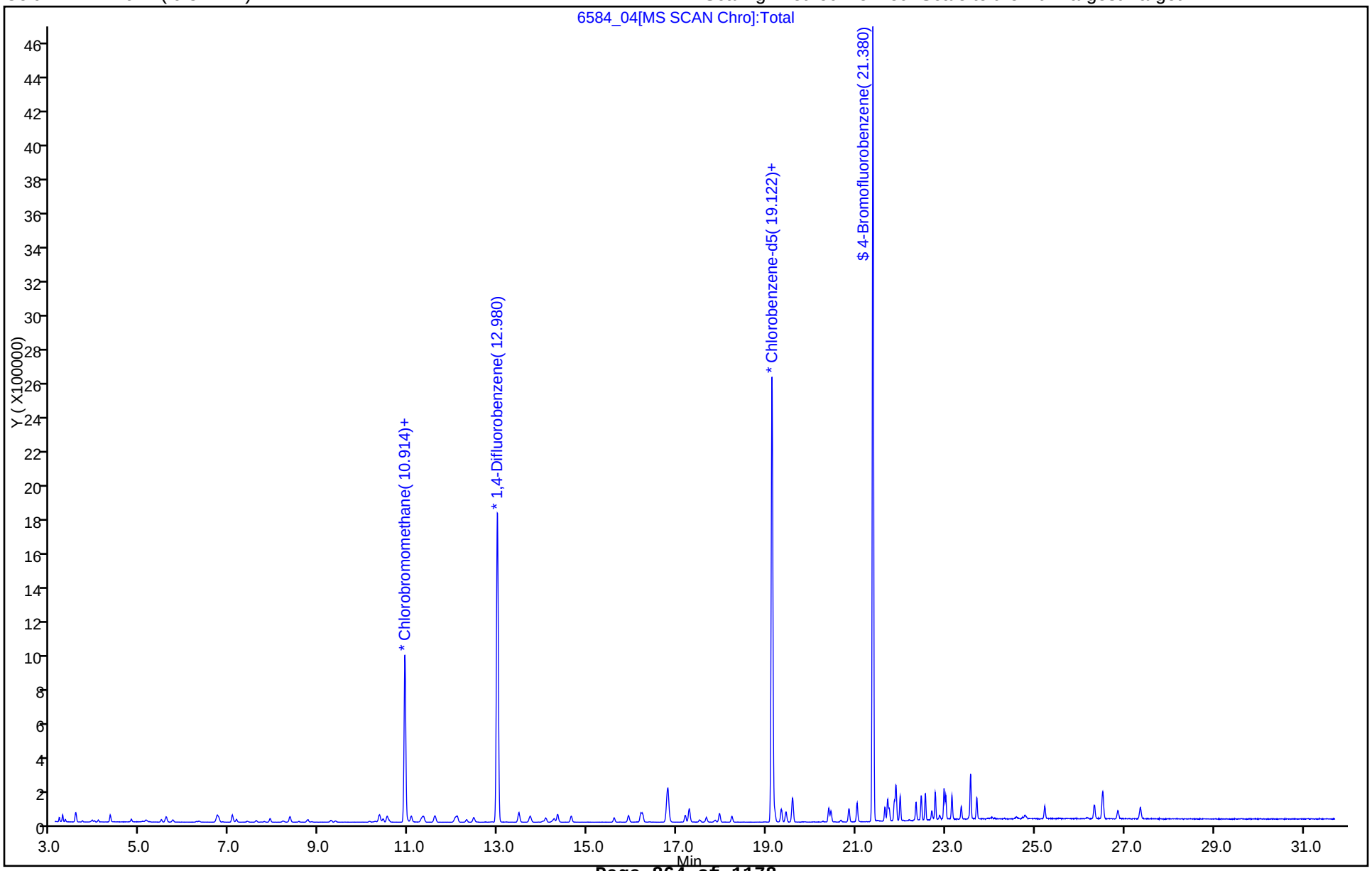
Report Date: 24-Mar-2014 10:03:51 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_04.D

Injection Date:	18-Mar-2014 10:34:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

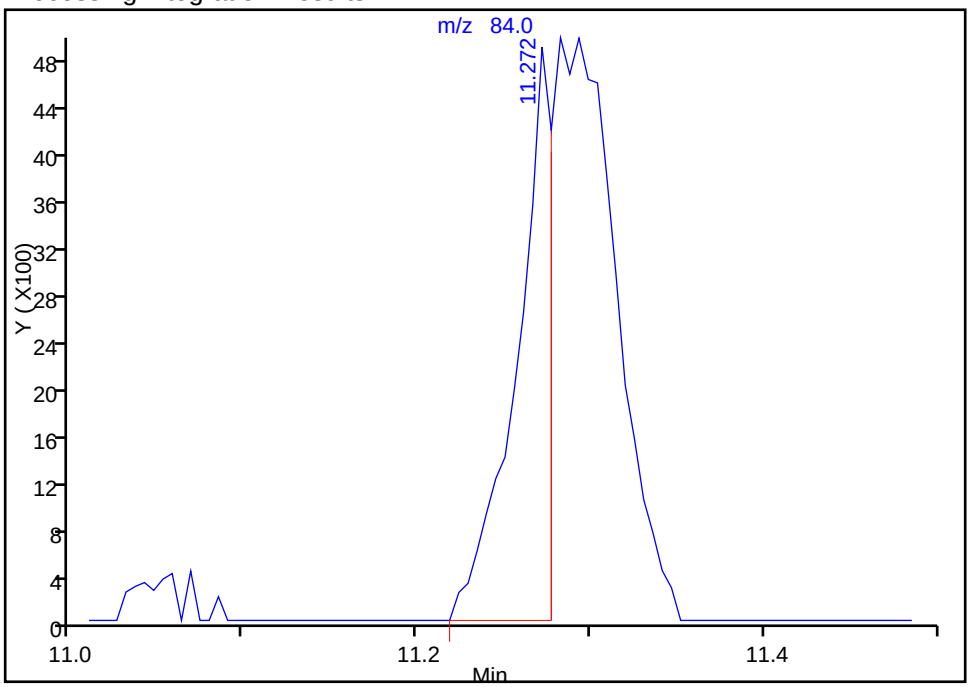
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_04.D
Injection Date: 18-Mar-2014 10:34:30 Instrument ID: CHC.i
Lims ID: IC
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

46 Cyclohexane, CAS: 110-82-7

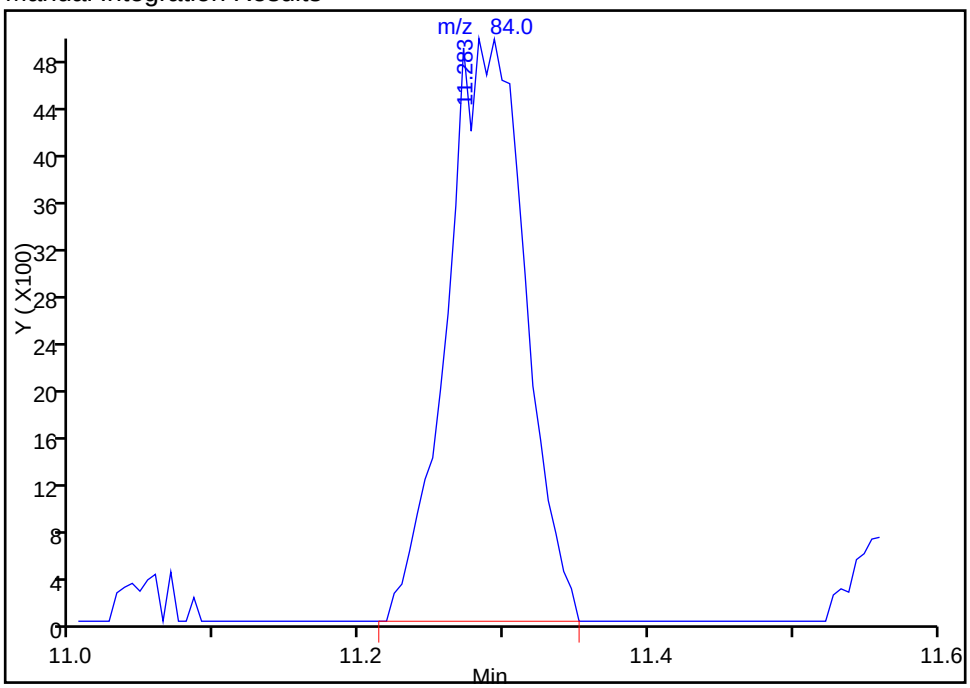
Processing Integration Results

RT: 11.27
Response: 6919
Amount: 0.117122



Manual Integration Results

RT: 11.28
Response: 18485
Amount: 0.262256



Reviewer: desjardinsb, 19-Mar-2014 07:56:14
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

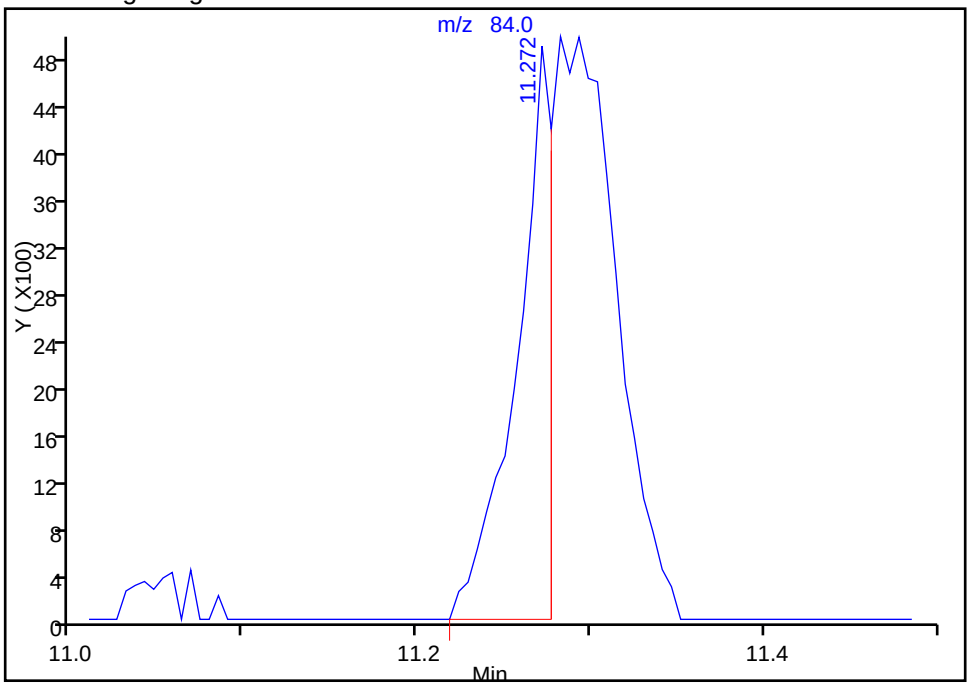
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_04.D				
Injection Date:	18-Mar-2014 10:34:30	Instrument ID:	CHC.i		
Lims ID:	IC				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

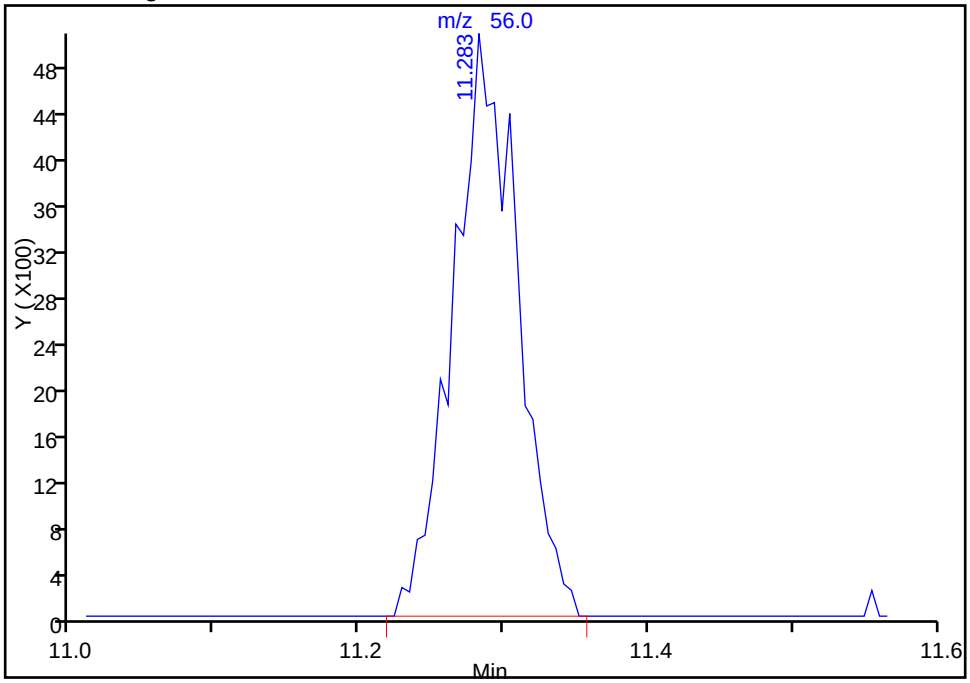
Processing Integration Results

RT: 11.29
Response: 0
Amount: 0.117122



Manual Integration Results

RT: 11.28
Response: 15706
Amount: 0.262256



Reviewer: desjardinsb, 19-Mar-2014 07:56:14
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

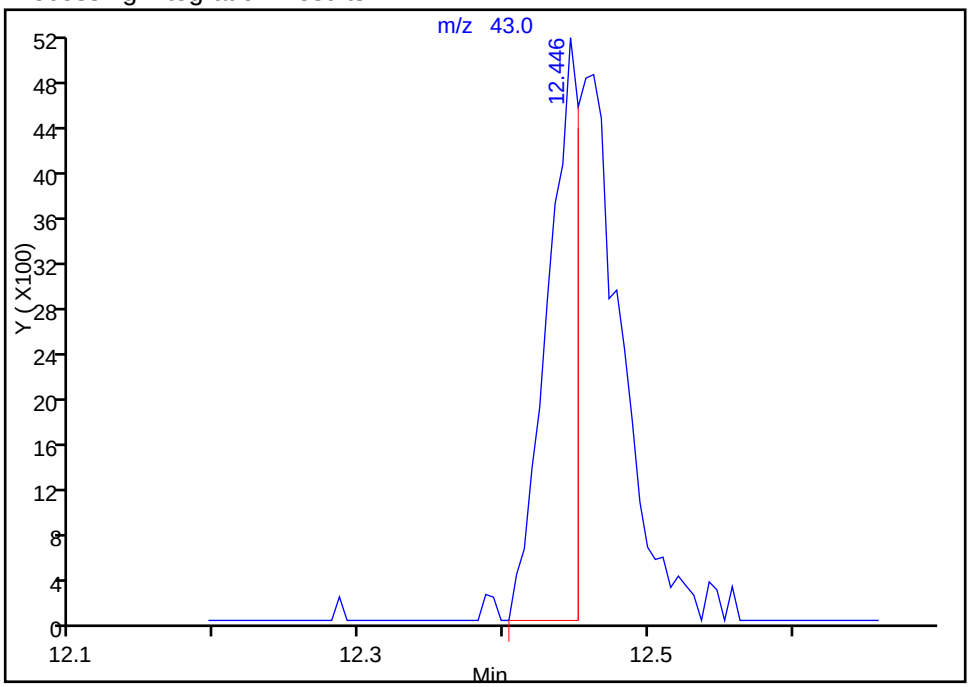
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_04.D
Injection Date: 18-Mar-2014 10:34:30 Instrument ID: CHC.i
Lims ID: IC
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

53 n-Heptane, CAS: 142-82-5

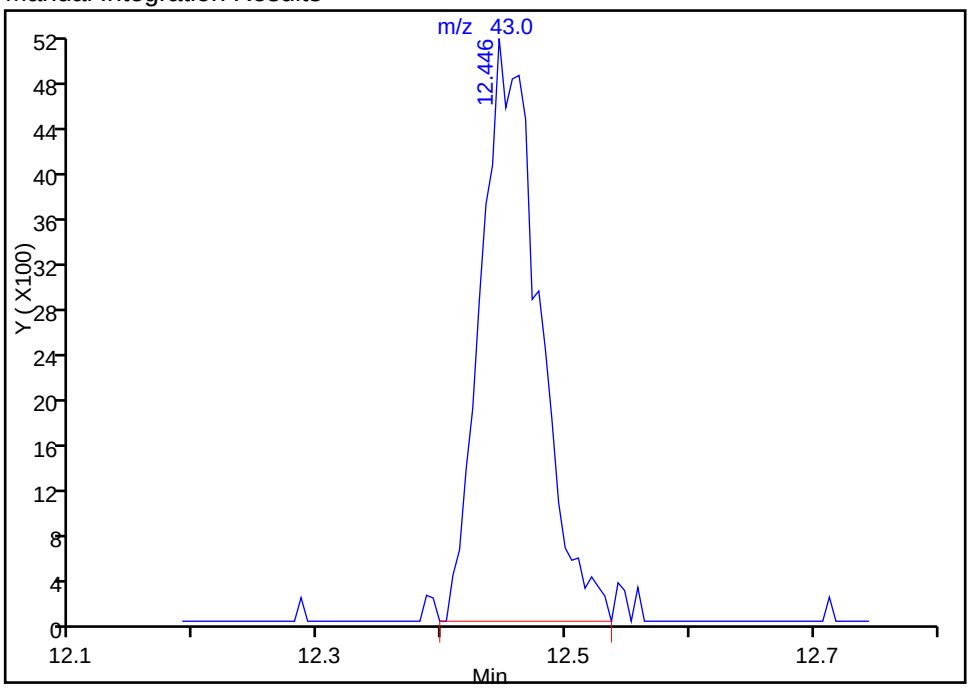
Processing Integration Results

RT: 12.45
Response: 7836
Amount: 0.138297



Manual Integration Results

RT: 12.45
Response: 16789
Amount: 0.267336



Reviewer: desjardinsb, 19-Mar-2014 07:56:14
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_06.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 18-Mar-2014 12:18:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006584-006
Misc. Info.: level 4
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Mar-2014 10:03:11 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: desjardinsb Date: 19-Mar-2014 07:45:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.181	3.181	0.0	97	90335	4.82	
2 Dichlorodifluoromethane	85	3.256	3.261	-0.005	98	718864	5.17	
6 Chlorodifluoromethane	51	3.320	3.320	0.0	77	244137	5.23	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.544	3.549	-0.005	81	591393	4.87	
8 Chloromethane	50	3.699	3.704	-0.005	88	116419	5.07	
9 Butane	43	3.918	3.923	-0.005	95	185566	5.06	
10 Vinyl chloride	62	3.966	3.971	-0.005	96	160603	4.60	
11 Butadiene	54	4.051	4.056	-0.005	92	110497	4.85	
12 Bromomethane	94	4.793	4.798	-0.005	96	212908	4.69	
13 Chloroethane	64	5.049	5.054	-0.005	96	76075	5.08	
14 2-Methylbutane	43	5.129	5.134	-0.005	89	120683	4.71	
15 Vinyl bromide	106	5.465	5.471	-0.006	97	263513	4.73	
16 Trichlorofluoromethane	101	5.572	5.577	-0.005	86	822444	4.78	
17 Pentane	43	5.722	5.721	0.001	94	197113	5.07	
19 Ethanol	45	6.229	6.228	0.0	98	82364	9.65	
21 Ethyl ether	59	6.293	6.292	0.001	88	102562	4.87	
22 Acrolein	56	6.703	6.709	-0.006	36	46452	4.89	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.714	6.714	0.0	87	493432	4.75	
24 1,1-Dichloroethene	96	6.757	6.757	0.0	91	227098	4.80	
25 Acetone	43	7.040	7.040	0.0	87	210248	5.25	
26 Carbon disulfide	76	7.146	7.146	0.0	98	484724	4.91	
27 Isopropyl alcohol	45	7.355	7.360	-0.005	97	160073	5.45	
29 3-Chloro-1-propene	41	7.584	7.589	-0.005	82	152541	4.87	
30 Acetonitrile	41	7.755	7.760	-0.005	97	69510	4.84	
31 Methylene Chloride	49	7.899	7.904	-0.005	78	146744	5.07	
32 2-Methyl-2-propanol	59	8.160	8.160	0.0	99	294004	5.28	
33 Methyl tert-butyl ether	73	8.315	8.321	-0.005	94	581168	4.83	
34 trans-1,2-Dichloroethene	61	8.342	8.347	-0.005	76	237263	4.92	
35 Acrylonitrile	53	8.539	8.534	0.005	93	88837	4.88	
36 Hexane	57	8.737	8.742	-0.005	89	217778	4.74	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	9.260	9.265 -0.005	94	316815	4.61	
	38 Vinyl acetate	43	9.356	9.356 0.0	99	346192	5.07	
S	41 1,2-Dichloroethene, Total	61			0		9.55	
	39 cis-1,2-Dichloroethene	96	10.423	10.429 -0.006	90	281994	4.63	
	40 2-Butanone (MEK)	72	10.503	10.503 0.0	96	99907	4.39	
	42 Ethyl acetate	88	10.546	10.546 0.0	98	20246	4.90	
*	43 Chlorobromomethane	128	10.914	10.920 -0.006	64	539261	10.0	
	44 Tetrahydrofuran	42	10.930	10.930 0.0	80	153459	5.32	
	45 Chloroform	83	11.053	11.058 -0.005	99	602303	4.76	
	46 Cyclohexane	84	11.283	11.288 -0.005	80	352757	4.75	
	47 1,1,1-Trichloroethane	97	11.331	11.336 -0.005	93	773006	4.85	
	48 Carbon tetrachloride	117	11.587	11.587 0.0	96	920235	4.74	
	51 Isooctane	57	12.040	12.040 0.0	98	990661	4.89	
	50 Benzene	78	12.088	12.088 0.0	95	804505	4.73	
	52 1,2-Dichloroethane	62	12.291	12.296 -0.005	99	394381	4.99	
	53 n-Heptane	43	12.451	12.457 -0.006	81	321999	4.86	
*	54 1,4-Difluorobenzene	114	12.985	12.985 0.0	91	2867989	10.0	
	55 n-Butanol	56	13.428	13.428 0.0	83	114152	5.45	
	56 Trichloroethene	95	13.465	13.465 0.0	93	475168	4.55	
A	57 GRO	1	13.497	5.124 - 21.870	0	111950377	0	
	58 1,2-Dichloropropane	63	14.063	14.063 0.0	88	288170	4.85	
	59 Methyl methacrylate	69	14.245	14.244 0.001	77	304656	4.95	
	60 1,4-Dioxane	88	14.309	14.309 0.001	72	156549	5.25	
	61 Dibromomethane	174	14.330	14.330 0.0	87	600831	4.38	
	62 Dichlorobromomethane	83	14.634	14.634 0.0	98	816562	4.83	
A	63 TVOC as Toluene	1	15.269	3.171 - 27.367	0	226042591	1383.2	
	64 cis-1,3-Dichloropropene	75	15.595	15.595 0.0	84	521704	4.81	
	65 4-Methyl-2-pentanone (MIBK)	43	15.904	15.904 0.0	92	491217	5.16	
	66 Toluene	92	16.187	16.192 -0.005	93	764912	4.62	
A	67 Toluene Range	1	16.192	16.152 - 16.232	0	5683164	NC	
	68 n-Octane	43	16.230	16.235 -0.005	82	534374	4.93	
A	69 C8 Range	1	16.235	16.185 - 16.285	0	5683164	NC	
	70 trans-1,3-Dichloropropene	75	16.801	16.806 -0.005	91	578372	4.58	
	71 1,1,2-Trichloroethane	83	17.185	17.185 0.0	92	349164	4.78	
	72 Tetrachloroethene	166	17.271	17.276 -0.005	94	916685	4.30	
	73 2-Hexanone	43	17.644	17.649 -0.005	91	489293	5.22	
	74 Chlorodibromomethane	129	17.948	17.954 -0.006	96	1060517	4.70	
	75 Ethylene Dibromide	107	18.226	18.231 -0.005	99	793470	4.63	
*	76 Chlorobenzene-d5	117	19.122	19.128 -0.006	80	2902631	10.0	
	77 Chlorobenzene	112	19.187	19.186 0.0	97	1198049	4.54	
	78 Ethylbenzene	91	19.331	19.336 -0.005	97	1811692	4.64	
	79 n-Nonane	57	19.437	19.437 0.0	80	620747	4.97	
	81 m-Xylene & p-Xylene	106	19.581	19.587 -0.006	99	1584540	9.41	
S	82 Xylenes, Total	106			0		14.0	
	83 o-Xylene	106	20.393	20.398 -0.005	94	761697	4.63	
	84 Styrene	104	20.441	20.441 0.0	97	1198984	4.71	
	85 Bromoform	173	20.841	20.841 0.0	99	1220937	4.68	
	86 Isopropylbenzene	105	21.028	21.028 0.0	94	2318545	4.75	
$	87 4-Bromofluorobenzene	95	21.380	21.380 0.0	95	2008946	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.647	21.652 -0.005	94	960760	4.85	
	90 N-Propylbenzene	91	21.711	21.711 0.0	99	2584629	4.82	
	89 1,2,3-Trichloropropane	75	21.743	21.743 0.0	92	760035	5.16	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane	57	21.860	21.860	0.0	82	815848	5.47
91 4-Ethyltoluene	105	21.887	21.892	-0.005	95	2403448	4.89
92 2-Chlorotoluene	91	21.903	21.903	0.0	96	1886220	4.91
94 1,3,5-Trimethylbenzene	105	21.988	21.988	0.0	93	2051127	4.72
95 Alpha Methyl Styrene	118	22.341	22.346	-0.005	90	1052980	4.80
96 tert-Butylbenzene	119	22.463	22.463	0.0	94	2106452	4.75
97 1,2,4-Trimethylbenzene	105	22.554	22.554	0.0	96	2081904	4.70
98 sec-Butylbenzene	105	22.773	22.778	-0.005	98	2940059	4.90
99 4-Isopropyltoluene	119	22.970	22.970	0.0	90	2722086	4.82
100 1,3-Dichlorobenzene	146	23.008	23.008	0.0	99	1693161	4.62
101 1,4-Dichlorobenzene	146	23.146	23.146	0.0	97	1695765	4.61
102 Benzyl chloride	91	23.355	23.355	0.0	100	1846791	5.09
103 n-Butylbenzene	91	23.563	23.563	0.0	97	2140730	5.03
104 Undecane	57	23.568	23.568	0.0	88	898858	6.11
105 1,2-Dichlorobenzene	146	23.702	23.701	0.001	99	1604939	4.60
106 Dodecane	57	25.223	25.222	0.001	89	691167	5.75
107 1,2,4-Trichlorobenzene	180	26.333	26.333	0.0	94	1299301	4.67
108 Hexachlorobutadiene	225	26.519	26.519	0.0	94	1272119	4.95
109 Naphthalene	128	26.856	26.856	0.0	99	2516517	4.77
110 1,2,3-Trichlorobenzene	180	27.357	27.357	0.0	96	1151653	4.79

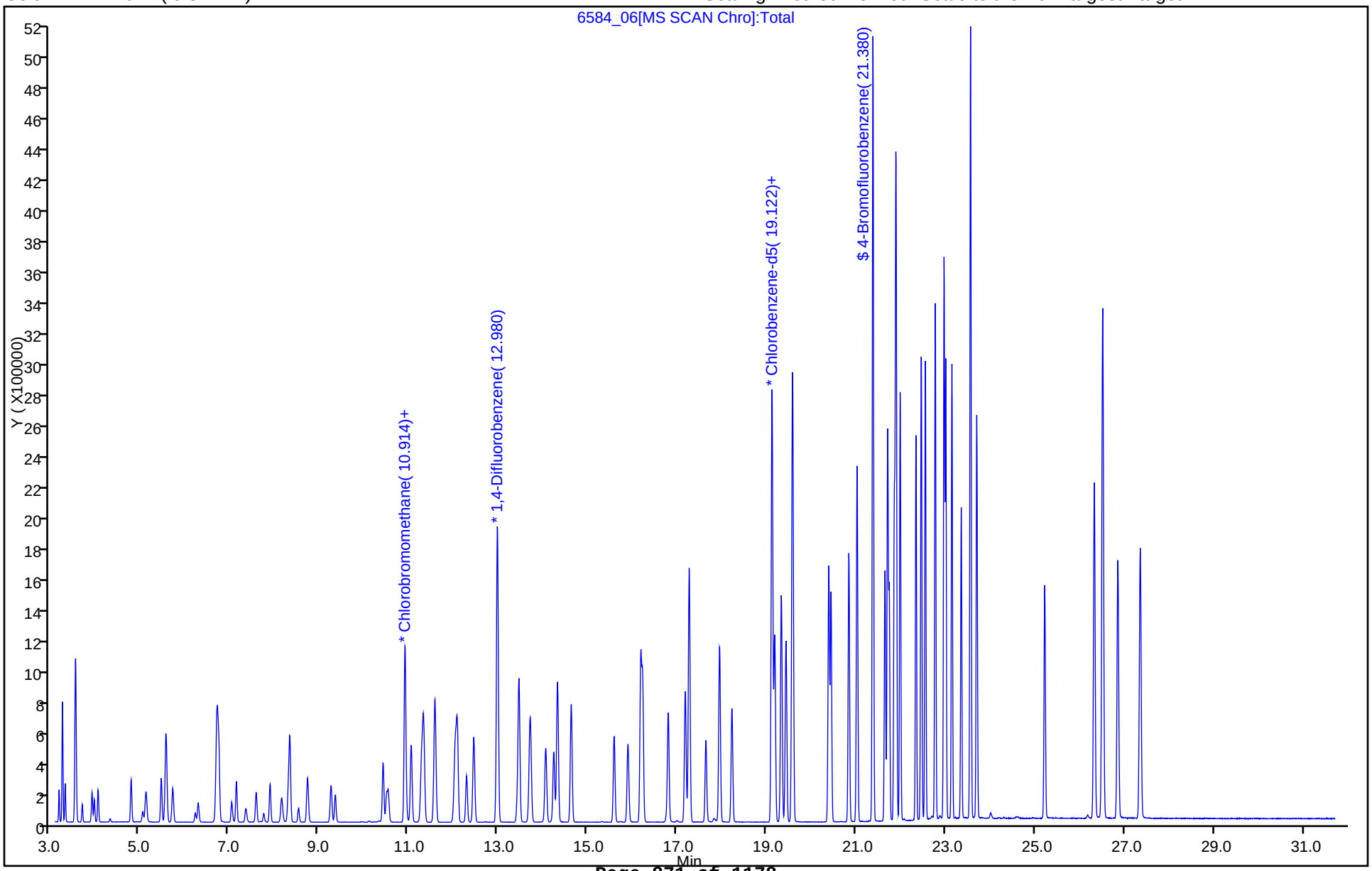
Report Date: 24-Mar-2014 10:03:12 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_06.D

Injection Date:	18-Mar-2014 12:18:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_07.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 18-Mar-2014 13:10:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006584-007
Misc. Info.: level 5
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Mar-2014 10:03:13 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: desjardinsb Date: 19-Mar-2014 07:44:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.181	3.181	0.0	97	181800	8.74	
2 Dichlorodifluoromethane	85	3.261	3.261	0.0	88	1444396	9.36	
6 Chlorodifluoromethane	51	3.320	3.320	0.0	77	476447	9.19	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.549	3.549	0.0	80	1183101	8.77	
8 Chloromethane	50	3.704	3.704	0.0	89	229477	8.99	
9 Butane	43	3.923	3.923	0.0	96	368841	9.05	
10 Vinyl chloride	62	3.971	3.971	0.0	82	316364	8.16	
11 Butadiene	54	4.056	4.056	0.0	92	225019	8.90	
12 Bromomethane	94	4.798	4.798	0.0	98	429354	8.51	
13 Chloroethane	64	5.054	5.054	0.0	96	150856	9.08	
14 2-Methylbutane	43	5.134	5.134	0.0	90	236450	8.31	
15 Vinyl bromide	106	5.471	5.471	0.0	97	541836	8.76	
16 Trichlorofluoromethane	101	5.577	5.577	0.0	86	1658401	8.67	
17 Pentane	43	5.721	5.721	0.0	94	393101	9.10	
19 Ethanol	45	6.228	6.228	0.0	99	158331	16.7	
21 Ethyl ether	59	6.292	6.292	0.0	86	207229	8.86	
22 Acrolein	56	6.709	6.709	0.0	96	94670	8.98	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.714	6.714	0.0	88	1006861	8.73	
24 1,1-Dichloroethene	96	6.757	6.757	0.0	83	460152	8.76	
25 Acetone	43	7.040	7.040	0.0	87	423482	9.52	
26 Carbon disulfide	76	7.146	7.146	0.0	98	988159	9.01	
27 Isopropyl alcohol	45	7.360	7.360	0.0	98	306988	9.40	
29 3-Chloro-1-propene	41	7.589	7.589	0.0	82	309412	8.90	
30 Acetonitrile	41	7.760	7.760	0.0	98	149718	9.39	
31 Methylene Chloride	49	7.904	7.904	0.0	72	286418	8.91	
32 2-Methyl-2-propanol	59	8.160	8.160	0.0	99	572145	9.25	
33 Methyl tert-butyl ether	73	8.321	8.321	0.0	94	1186227	8.87	
34 trans-1,2-Dichloroethene	61	8.347	8.347	0.0	77	475571	8.89	
35 Acrylonitrile	53	8.534	8.534	0.0	95	186728	9.24	
36 Hexane	57	8.742	8.742	0.0	89	441793	8.66	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	9.265	9.265	0.0	99	649312	8.50
38 Vinyl acetate	43	9.356	9.356	0.0	99	710683	9.37
S 41 1,2-Dichloroethene, Total	61				0		17.6
39 cis-1,2-Dichloroethene	96	10.429	10.429	0.0	84	587020	8.67
40 2-Butanone (MEK)	72	10.503	10.503	0.0	97	208818	8.26
42 Ethyl acetate	88	10.546	10.546	0.0	99	42532	9.27
* 43 Chlorobromomethane	128	10.920	10.920	0.0	64	599013	10.0
44 Tetrahydrofuran	42	10.930	10.930	0.0	88	308296	9.53
45 Chloroform	83	11.058	11.058	0.0	99	1231884	8.76
46 Cyclohexane	84	11.288	11.288	0.0	79	732126	8.79
47 1,1,1-Trichloroethane	97	11.336	11.336	0.0	90	1604820	8.98
48 Carbon tetrachloride	117	11.587	11.587	0.0	96	1925143	8.84
51 Isooctane	57	12.040	12.040	0.0	98	2038101	8.98
50 Benzene	78	12.088	12.088	0.0	94	1661370	8.71
52 1,2-Dichloroethane	62	12.296	12.296	0.0	93	797724	9.01
53 n-Heptane	43	12.457	12.457	0.0	81	661942	8.92
* 54 1,4-Difluorobenzene	114	12.985	12.985	0.0	91	3215123	10.0
55 n-Butanol	56	13.428	13.428	0.0	84	218697	9.32
56 Trichloroethene	95	13.465	13.465	0.0	92	999506	8.53
A 57 GRO	1	13.497	5.124 -	21.870	0	232266369	0
58 1,2-Dichloropropane	63	14.063	14.063	0.0	87	586002	8.79
59 Methyl methacrylate	69	14.244	14.244	0.0	77	646744	9.37
60 1,4-Dioxane	88	14.309	14.309	0.0	72	309787	9.27
61 Dibromomethane	174	14.330	14.330	0.0	86	1331677	8.66
62 Dichlorobromomethane	83	14.634	14.634	0.0	97	1706882	9.00
A 63 TVOC as Toluene	1	15.269	3.171 -	27.367	0	472452209	2578.8
64 cis-1,3-Dichloropropene	75	15.595	15.595	0.0	88	1098440	9.03
65 4-Methyl-2-pentanone (MIBK)	43	15.904	15.904	0.0	91	1007405	9.44
66 Toluene	92	16.192	16.192	0.0	93	1646550	8.81
A 67 Toluene Range	1	16.192	16.152 -	16.232	0	11188141	NC
68 n-Octane	43	16.235	16.235	0.0	81	1088585	8.96
A 69 C8 Range	1	16.235	16.185 -	16.285	0	11188141	NC
70 trans-1,3-Dichloropropene	75	16.806	16.806	0.0	93	1239483	8.76
71 1,1,2-Trichloroethane	83	17.185	17.185	0.0	92	732074	8.87
72 Tetrachloroethene	166	17.276	17.276	0.0	93	2048531	8.50
73 2-Hexanone	43	17.649	17.649	0.0	90	1008004	9.51
74 Chlorodibromomethane	129	17.954	17.954	0.0	97	2310784	9.06
75 Ethylene Dibromide	107	18.231	18.231	0.0	98	1727868	8.93
* 76 Chlorobenzene-d5	117	19.128	19.128	0.0	80	3281594	10.0
77 Chlorobenzene	112	19.186	19.186	0.0	97	2583151	8.65
78 Ethylbenzene	91	19.336	19.336	0.0	96	3873875	8.78
79 n-Nonane	57	19.437	19.437	0.0	79	1252845	8.87
81 m-Xylene & p-Xylene	106	19.587	19.587	0.0	99	3398649	17.9
S 82 Xylenes, Total	106				0		26.7
83 o-Xylene	106	20.398	20.398	0.0	95	1646637	8.85
84 Styrene	104	20.441	20.441	0.0	97	2629466	9.14
85 Bromoform	173	20.841	20.841	0.0	99	2715969	9.22
86 Isopropylbenzene	105	21.028	21.028	0.0	94	4995109	9.05
$ 87 4-Bromofluorobenzene	95	21.380	21.380	0.0	95	2195174	NC
88 1,1,2,2-Tetrachloroethane	83	21.652	21.652	0.0	94	1984252	8.87
90 N-Propylbenzene	91	21.711	21.711	0.0	99	5465656	9.02
89 1,2,3-Trichloropropane	75	21.743	21.743	0.0	90	1556943	9.34

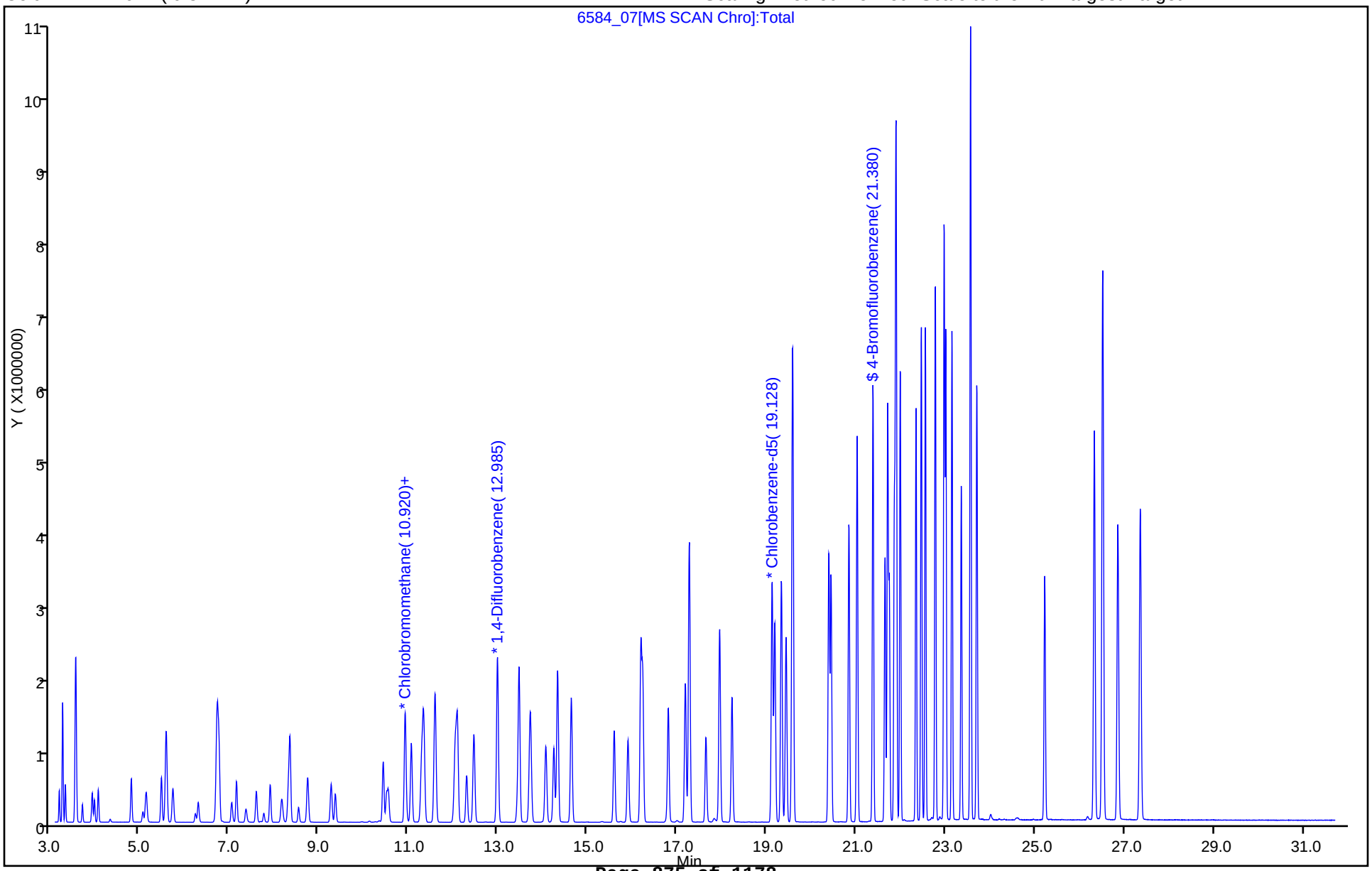
Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane	57	21.860	21.860	0.0	81	1617231	9.59
91 4-Ethyltoluene	105	21.892	21.892	0.0	95	5050904	9.10
92 2-Chlorotoluene	91	21.903	21.903	0.0	96	3903850	8.99
94 1,3,5-Trimethylbenzene	105	21.988	21.988	0.0	93	4349072	8.85
95 Alpha Methyl Styrene	118	22.346	22.346	0.0	90	2302482	9.29
96 tert-Butylbenzene	119	22.463	22.463	0.0	92	4508300	8.99
97 1,2,4-Trimethylbenzene	105	22.554	22.554	0.0	95	4449383	8.89
98 sec-Butylbenzene	105	22.778	22.778	0.0	98	6262027	9.23
99 4-Isopropyltoluene	119	22.970	22.970	0.0	96	5876655	9.21
100 1,3-Dichlorobenzene	146	23.008	23.008	0.0	99	3694730	8.92
101 1,4-Dichlorobenzene	146	23.146	23.146	0.0	98	3708759	8.91
102 Benzyl chloride	91	23.355	23.355	0.0	100	3937421	9.60
103 n-Butylbenzene	91	23.563	23.563	0.0	96	4400974	9.15
104 Undecane	57	23.568	23.568	0.0	87	1732014	10.4
105 1,2-Dichlorobenzene	146	23.701	23.701	0.0	99	3480544	8.82
106 Dodecane	57	25.222	25.222	0.0	89	1425197	10.5
107 1,2,4-Trichlorobenzene	180	26.333	26.333	0.0	92	3002882	9.55
108 Hexachlorobutadiene	225	26.519	26.519	0.0	95	2722961	9.37
109 Naphthalene	128	26.856	26.856	0.0	99	5744919	9.63
110 1,2,3-Trichlorobenzene	180	27.357	27.357	0.0	96	2671513	9.82

Report Date: 24-Mar-2014 10:03:14 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_07.D				
Injection Date:	18-Mar-2014 13:10:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ICIS			Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_08.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 18-Mar-2014 14:03:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006584-008
Misc. Info.: level 6
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Mar-2014 10:03:15 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: desjardinsb Date: 19-Mar-2014 07:44:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.170	3.181	-0.011	97	298868	13.8	
2 Dichlorodifluoromethane	85	3.245	3.261	-0.016	88	2318990	14.4	
6 Chlorodifluoromethane	51	3.309	3.320	-0.011	77	766711	14.2	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.539	3.549	-0.010	79	1921803	13.7	
8 Chloromethane	50	3.688	3.704	-0.016	88	373710	14.1	
9 Butane	43	3.907	3.923	-0.016	96	616806	14.5	
10 Vinyl chloride	62	3.960	3.971	-0.011	82	525225	13.0	
11 Butadiene	54	4.046	4.056	-0.010	92	360241	13.7	
12 Bromomethane	94	4.782	4.798	-0.016	99	709332	13.5	
13 Chloroethane	64	5.044	5.054	-0.010	96	246857	14.3	
14 2-Methylbutane	43	5.113	5.134	-0.021	86	387033	13.1	
15 Vinyl bromide	106	5.460	5.471	-0.011	98	899568	14.0	
16 Trichlorofluoromethane	101	5.567	5.577	-0.010	87	2734267	13.7	
17 Pentane	43	5.716	5.721	-0.005	93	658272	14.6	
19 Ethanol	45	6.218	6.228	-0.010	95	171760	17.4	
21 Ethyl ether	59	6.282	6.292	-0.010	87	338969	13.9	
22 Acrolein	56	6.698	6.709	-0.011	96	143767	13.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.709	6.714	-0.005	87	1651853	13.8	
24 1,1-Dichloroethene	96	6.751	6.757	-0.006	81	767018	14.0	
25 Acetone	43	7.029	7.040	-0.011	87	683269	14.8	
26 Carbon disulfide	76	7.141	7.146	-0.005	98	1849794	16.2	
27 Isopropyl alcohol	45	7.349	7.360	-0.011	98	509071	15.0	
29 3-Chloro-1-propene	41	7.584	7.589	-0.005	81	503999	13.9	
30 Acetonitrile	41	7.749	7.760	-0.011	98	260894	15.7	
31 Methylene Chloride	49	7.893	7.904	-0.011	76	475096	14.2	
32 2-Methyl-2-propanol	59	8.150	8.160	-0.010	99	947102	14.7	
33 Methyl tert-butyl ether	73	8.304	8.321	-0.016	93	1975578	14.2	
34 trans-1,2-Dichloroethene	61	8.342	8.347	-0.005	84	788753	14.2	
35 Acrylonitrile	53	8.529	8.534	-0.005	94	316036	15.0	
36 Hexane	57	8.731	8.742	-0.011	88	751733	14.2	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	9.260	9.265	-0.005	99	1057988	13.3
38 Vinyl acetate	43	9.350	9.356	-0.006	99	1200019	15.2
S 41 1,2-Dichloroethene, Total	61				0		28.1
39 cis-1,2-Dichloroethene	96	10.423	10.429	-0.006	89	980984	13.9
40 2-Butanone (MEK)	72	10.498	10.503	-0.005	97	350986	13.3
42 Ethyl acetate	88	10.541	10.546	-0.005	99	72861	15.3
* 43 Chlorobromomethane	128	10.914	10.920	-0.006	65	623226	10.0
44 Tetrahydrofuran	42	10.925	10.930	-0.005	82	513368	14.9
45 Chloroform	83	11.053	11.058	-0.005	99	2049741	14.0
46 Cyclohexane	84	11.282	11.288	-0.006	78	1231641	13.9
47 1,1,1-Trichloroethane	97	11.330	11.336	-0.006	93	2662058	14.0
48 Carbon tetrachloride	117	11.581	11.587	-0.006	96	3234907	14.0
51 Isooctane	57	12.040	12.040	0.0	98	3410430	14.1
50 Benzene	78	12.088	12.088	0.0	94	2798383	13.8
52 1,2-Dichloroethane	62	12.291	12.296	-0.005	93	1306248	13.9
53 n-Heptane	43	12.451	12.457	-0.006	80	1093472	13.9
* 54 1,4-Difluorobenzene	114	12.980	12.985	-0.005	91	3416245	10.0
55 n-Butanol	56	13.412	13.428	-0.016	83	376202	15.1
56 Trichloroethene	95	13.465	13.465	0.0	87	1690800	13.6
A 57 GRO	1	13.497	5.124 -	21.870	0	394323213	0
58 1,2-Dichloropropane	63	14.063	14.063	0.0	88	977106	13.8
59 Methyl methacrylate	69	14.244	14.244	0.0	77	1103836	15.0
60 1,4-Dioxane	88	14.303	14.309	-0.005	71	554620	15.6
61 Dibromomethane	174	14.330	14.330	0.0	86	2368531	14.5
62 Dichlorobromomethane	83	14.634	14.634	0.0	97	2888098	14.3
A 63 TVOC as Toluene	1	15.269	3.171 -	27.367	0	809276909	4157.3
64 cis-1,3-Dichloropropene	75	15.595	15.595	0.0	87	1863705	14.4
65 4-Methyl-2-pentanone (MIBK)	43	15.899	15.904	-0.005	90	1687707	14.9
66 Toluene	92	16.187	16.192	-0.005	93	2827714	14.2
A 67 Toluene Range	1	16.192	16.152 -	16.232	0	18935282	NC
68 n-Octane	43	16.230	16.235	-0.005	79	1786298	13.8
A 69 C8 Range	1	16.235	16.185 -	16.285	0	18935282	NC
70 trans-1,3-Dichloropropene	75	16.806	16.806	0.0	92	2088223	13.9
71 1,1,2-Trichloroethane	83	17.185	17.185	0.0	92	1249163	14.2
72 Tetrachloroethene	166	17.270	17.276	-0.006	92	3654072	14.3
73 2-Hexanone	43	17.644	17.649	-0.005	90	1685045	15.0
74 Chlorodibromomethane	129	17.954	17.954	0.0	97	4001001	14.7
75 Ethylene Dibromide	107	18.226	18.231	-0.005	98	2983971	14.5
* 76 Chlorobenzene-d5	117	19.122	19.128	-0.006	78	3489845	10.0
77 Chlorobenzene	112	19.186	19.186	0.0	98	4482844	14.1
78 Ethylbenzene	91	19.330	19.336	-0.006	96	6648515	14.2
79 n-Nonane	57	19.437	19.437	0.0	79	2097528	14.0
81 m-Xylene & p-Xylene	106	19.587	19.587	0.0	99	5833710	28.8
S 82 Xylenes, Total	106				0		43.2
83 o-Xylene	106	20.393	20.398	-0.006	94	2856396	14.4
84 Styrene	104	20.446	20.441	0.005	97	4532103	14.8
85 Bromoform	173	20.841	20.841	0.0	98	4838505	15.4
86 Isopropylbenzene	105	21.028	21.028	0.0	94	8638636	14.7
$ 87 4-Bromofluorobenzene	95	21.380	21.380	0.0	95	2291896	NC
88 1,1,2,2-Tetrachloroethane	83	21.652	21.652	0.0	94	3333370	14.0
90 N-Propylbenzene	91	21.711	21.711	0.0	99	9376775	14.6
89 1,2,3-Trichloropropane	75	21.748	21.743	0.005	84	2590452	14.6

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane	57	21.860	21.860	0.0	81	2625161	14.6
91 4-Ethyltoluene	105	21.892	21.892	0.0	94	8570668	14.5
92 2-Chlorotoluene	91	21.903	21.903	0.0	95	6530371	14.1
94 1,3,5-Trimethylbenzene	105	21.994	21.988	0.006	93	7534716	14.4
95 Alpha Methyl Styrene	118	22.346	22.346	0.0	90	3992968	15.1
96 tert-Butylbenzene	119	22.463	22.463	0.0	94	7814140	14.6
97 1,2,4-Trimethylbenzene	105	22.554	22.554	0.0	95	7663747	14.4
98 sec-Butylbenzene	105	22.778	22.778	0.0	98	10802817	15.0
99 4-Isopropyltoluene	119	22.970	22.970	0.0	96	10228064	15.1
100 1,3-Dichlorobenzene	146	23.008	23.008	0.0	98	6562820	14.9
101 1,4-Dichlorobenzene	146	23.146	23.146	0.0	98	6566876	14.8
102 Benzyl chloride	91	23.354	23.355	-0.001	100	6239168	14.3
103 n-Butylbenzene	91	23.563	23.563	0.0	96	7282002	14.2
104 Undecane	57	23.568	23.568	0.0	87	2763255	15.6
105 1,2-Dichlorobenzene	146	23.701	23.701	0.0	99	6196158	14.8
106 Dodecane	57	25.222	25.222	0.0	89	2586228	17.9
107 1,2,4-Trichlorobenzene	180	26.332	26.333	-0.001	92	5648414	16.9
108 Hexachlorobutadiene	225	26.519	26.519	0.0	95	4727211	15.3
109 Naphthalene	128	26.855	26.856	-0.001	99	11293279	17.8
110 1,2,3-Trichlorobenzene	180	27.357	27.357	0.0	95	5146910	17.8

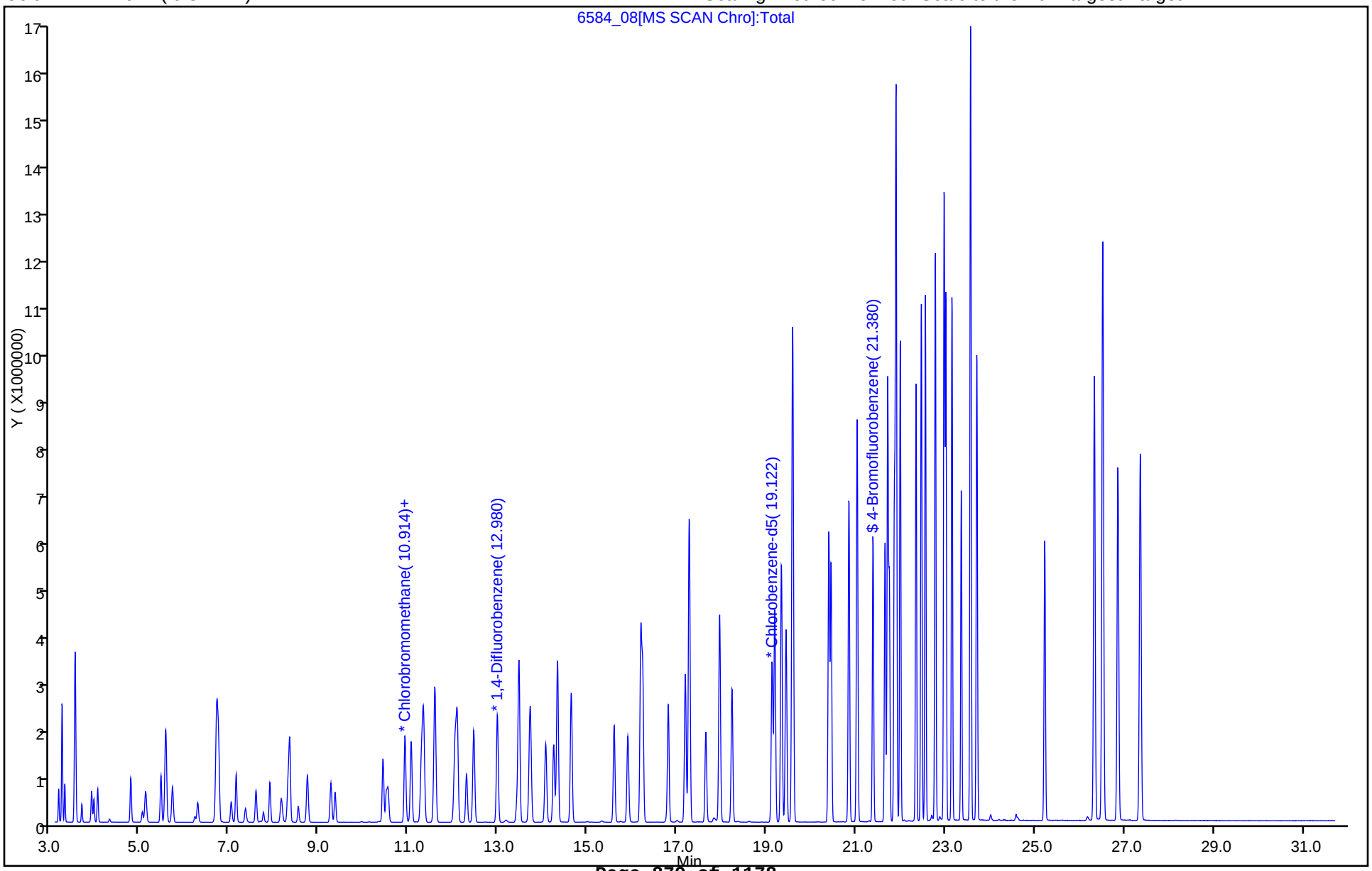
Report Date: 24-Mar-2014 10:03:15 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_08.D

Injection Date:	18-Mar-2014 14:03:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	IC			Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_09.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 18-Mar-2014 15:47:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006584-009
Misc. Info.: level 7
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Mar-2014 10:03:18 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: desjardinsb Date: 19-Mar-2014 07:47:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.181	3.181	0.0	97	408082	18.4	
2 Dichlorodifluoromethane	85	3.256	3.261	-0.005	87	3267185	19.8	
6 Chlorodifluoromethane	51	3.320	3.320	0.0	74	1075776	19.4	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.549	3.549	0.0	79	2701591	18.8	
8 Chloromethane	50	3.699	3.704	-0.005	89	524548	19.3	
9 Butane	43	3.918	3.923	-0.005	96	843803	19.4	
10 Vinyl chloride	62	3.971	3.971	0.0	97	739494	17.9	
11 Butadiene	54	4.056	4.056	0.0	91	515134	19.1	
12 Bromomethane	94	4.793	4.798	-0.005	98	998133	18.5	
13 Chloroethane	64	5.054	5.054	0.0	96	345796	19.5	
14 2-Methylbutane	43	5.129	5.134	-0.005	86	532924	17.6	
15 Vinyl bromide	106	5.471	5.471	0.0	91	1280905	19.4	
16 Trichlorofluoromethane	101	5.577	5.577	0.0	86	3887278	19.1	
17 Pentane	43	5.727	5.721	0.006	94	908364	19.7	
19 Ethanol	45	6.228	6.228	0.0	94	356128	35.2	
21 Ethyl ether	59	6.287	6.292	-0.005	81	478561	19.2	
22 Acrolein	56	6.709	6.709	0.0	34	206776	18.4	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.714	6.714	0.0	87	2351895	19.1	
24 1,1-Dichloroethene	96	6.762	6.757	0.005	80	1094257	19.5	
25 Acetone	43	7.034	7.040	-0.006	82	1093966	23.1	
26 Carbon disulfide	76	7.146	7.146	0.0	98	2353435	20.1	
27 Isopropyl alcohol	45	7.360	7.360	0.0	98	747347	21.5	
29 3-Chloro-1-propene	41	7.589	7.589	0.0	82	721771	19.5	
30 Acetonitrile	41	7.760	7.760	0.0	98	367368	21.6	
31 Methylene Chloride	49	7.899	7.904	-0.005	77	669926	19.5	
32 2-Methyl-2-propanol	59	8.160	8.160	0.0	99	1471769	22.3	
33 Methyl tert-butyl ether	73	8.315	8.321	-0.005	94	2818621	19.8	
34 trans-1,2-Dichloroethene	61	8.347	8.347	0.0	83	1108915	19.4	
35 Acrylonitrile	53	8.539	8.534	0.005	94	450337	20.9	
36 Hexane	57	8.742	8.742	0.0	88	1041087	19.1	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	9.265	9.265 0.0	99	1518338	18.6	
	38 Vinyl acetate	43	9.361	9.356 0.005	98	1711893	21.2	
S	41 1,2-Dichloroethene, Total	61			0		39.0	
	39 cis-1,2-Dichloroethene	96	10.429	10.429 0.0	83	1416015	19.6	
	40 2-Butanone (MEK)	72	10.503	10.503 0.0	97	513694	19.0	
	42 Ethyl acetate	88	10.546	10.546 0.0	99	105391	21.5	
*	43 Chlorobromomethane	128	10.920	10.920 0.0	65	638981	10.0	
	44 Tetrahydrofuran	42	10.925	10.930 -0.005	81	734029	20.9	
	45 Chloroform	83	11.058	11.058 0.0	99	2929800	19.5	
	46 Cyclohexane	84	11.288	11.288 0.0	78	1762668	19.5	
	47 1,1,1-Trichloroethane	97	11.336	11.336 0.0	93	3825219	19.7	
	48 Carbon tetrachloride	117	11.587	11.587 0.0	96	4607835	19.5	
	51 Isooctane	57	12.046	12.040 0.006	98	4788117	19.4	
	50 Benzene	78	12.094	12.088 0.006	93	4026626	19.4	
	52 1,2-Dichloroethane	62	12.297	12.296 0.001	99	1859756	19.3	
	53 n-Heptane	43	12.462	12.457 0.005	81	1532398	19.0	
*	54 1,4-Difluorobenzene	114	12.985	12.985 0.0	91	3491329	10.0	
	55 n-Butanol	56	13.428	13.428 0.0	82	545253	21.4	
	56 Trichloroethene	95	13.471	13.465 0.006	91	2442289	19.2	
A	57 GRO	1	13.497	5.124 - 21.870	0	567035941	0	
	58 1,2-Dichloropropane	63	14.068	14.063 0.005	87	1416549	19.6	
	59 Methyl methacrylate	69	14.250	14.244 0.006	77	1596837	21.3	
	60 1,4-Dioxane	88	14.309	14.309 0.001	45	796044	21.9	
	61 Dibromomethane	174	14.335	14.330 0.005	84	3496533	20.9	
	62 Dichlorobromomethane	83	14.639	14.634 0.005	97	4148989	20.1	
A	63 TVOC as Toluene	1	15.269	3.171 - 27.367	0	1151401808	5787.6	
	64 cis-1,3-Dichloropropene	75	15.595	15.595 0.0	87	2702065	20.5	
	65 4-Methyl-2-pentanone (MIBK)	43	15.904	15.904 0.0	90	2418457	20.9	
	66 Toluene	92	16.192	16.192 0.0	93	4099784	20.1	
A	67 Toluene Range	1	16.192	16.152 - 16.232	0	26876924	NC	
	68 n-Octane	43	16.235	16.235 0.0	79	2465548	18.7	
A	69 C8 Range	1	16.235	16.185 - 16.285	0	26876924	NC	
	70 trans-1,3-Dichloropropene	75	16.806	16.806 0.0	92	3034935	19.8	
	71 1,1,2-Trichloroethane	83	17.185	17.185 0.0	90	1803469	20.0	
	72 Tetrachloroethene	166	17.276	17.276 0.0	85	5368390	20.4	
	73 2-Hexanone	43	17.644	17.649 -0.005	90	2402133	20.7	
	74 Chlorodibromomethane	129	17.954	17.954 0.0	97	5884399	21.1	
	75 Ethylene Dibromide	107	18.231	18.231 0.0	98	4361203	20.6	
*	76 Chlorobenzene-d5	117	19.128	19.128 0.0	76	3585913	10.0	
	77 Chlorobenzene	112	19.186	19.186 0.0	92	6527834	20.0	
	78 Ethylbenzene	91	19.336	19.336 0.0	94	9641279	20.0	
	79 n-Nonane	57	19.437	19.437 0.0	78	2921141	18.9	
	81 m-Xylene & p-Xylene	106	19.587	19.587 0.0	99	8393442	40.3	
S	82 Xylenes, Total	106			0		60.7	
	83 o-Xylene	106	20.398	20.398 0.0	95	4137056	20.3	
	84 Styrene	104	20.446	20.441 0.005	98	6599709	21.0	
	85 Bromoform	173	20.846	20.841 0.005	98	7164917	22.3	
	86 Isopropylbenzene	105	21.028	21.028 0.0	93	12588419	20.9	
$	87 4-Bromofluorobenzene	95	21.380	21.380 0.0	95	2349684	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.652	21.652 0.0	92	4796715	19.6	
	90 N-Propylbenzene	91	21.711	21.711 0.0	99	13440119	20.3	
	89 1,2,3-Trichloropropane	75	21.748	21.743 0.005	81	3681350	20.2	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane	57	21.860	21.860	0.0	80	3571110	19.4
91 4-Ethyltoluene	105	21.892	21.892	0.0	94	12113148	20.0
92 2-Chlorotoluene	91	21.908	21.903	0.005	95	9229458	19.4
94 1,3,5-Trimethylbenzene	105	21.994	21.988	0.006	93	10938649	20.4
95 Alpha Methyl Styrene	118	22.346	22.346	0.0	90	5440923	20.1
96 tert-Butylbenzene	119	22.463	22.463	0.0	93	11354634	20.7
97 1,2,4-Trimethylbenzene	105	22.554	22.554	0.0	95	11131626	20.3
98 sec-Butylbenzene	105	22.778	22.778	0.0	98	15624004	21.1
99 4-Isopropyltoluene	119	22.976	22.970	0.006	95	14773079	21.2
100 1,3-Dichlorobenzene	146	23.013	23.008	0.005	98	9640118	21.3
101 1,4-Dichlorobenzene	146	23.152	23.146	0.006	98	9740625	21.4
102 Benzyl chloride	91	23.355	23.355	0.0	100	9848355	22.0
103 n-Butylbenzene	91	23.563	23.563	0.0	95	10073920	19.2
104 Undecane	57	23.568	23.568	0.0	61	3626991	20.0
105 1,2-Dichlorobenzene	146	23.707	23.701	0.006	98	9172151	21.3
106 Dodecane	57	25.223	25.222	0.0	88	3441646	23.2
107 1,2,4-Trichlorobenzene	180	26.333	26.333	0.0	91	8136405	23.7
108 Hexachlorobutadiene	225	26.519	26.519	0.0	95	6871598	21.6
109 Naphthalene	128	26.861	26.856	0.005	99	15186624	23.3
110 1,2,3-Trichlorobenzene	180	27.363	27.357	0.006	94	7289294	24.5

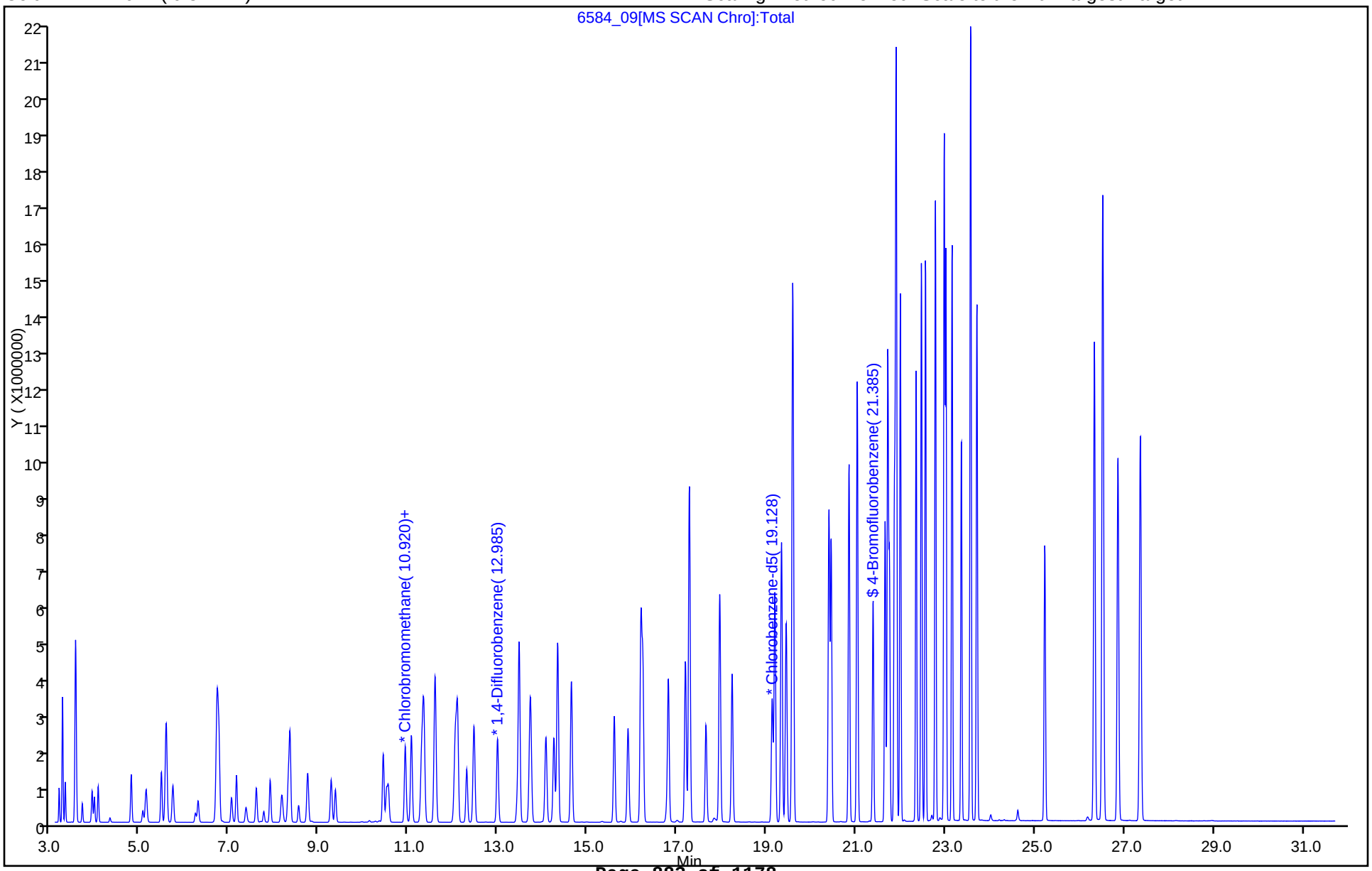
Report Date: 24-Mar-2014 10:03:19 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_09.D

Injection Date:	18-Mar-2014 15:47:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 24-Mar-2014 10:03:21 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 18-Mar-2014 16:40:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006584-010
Misc. Info.: level 8
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Mar-2014 10:03:20 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: desjardinsb Date: 19-Mar-2014 07:48:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.176	3.181	-0.005	98	809124	33.0	
2 Dichlorodifluoromethane	85	3.250	3.261	-0.011	87	6412714	35.3	
6 Chlorodifluoromethane	51	3.309	3.320	-0.011	74	2119536	34.7	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.539	3.549	-0.010	78	5285181	33.2	
8 Chloromethane	50	3.693	3.704	-0.011	88	1050091	34.9	
9 Butane	43	3.912	3.923	-0.011	97	1684776	35.1	
10 Vinyl chloride	62	3.960	3.971	-0.011	88	1497291	32.8	
11 Butadiene	54	4.046	4.056	-0.010	91	1042017	35.0	
12 Bromomethane	94	4.787	4.798	-0.011	98	2040013	34.3	
13 Chloroethane	64	5.049	5.054	-0.005	98	696405	35.6	
14 2-Methylbutane	43	5.124	5.134	-0.010	88	1086291	32.4	
15 Vinyl bromide	106	5.460	5.471	-0.011	98	2628769	36.0	
16 Trichlorofluoromethane	101	5.567	5.577	-0.010	98	7865204	34.9	
17 Pentane	43	5.721	5.721	0.0	94	1821586	35.8	
19 Ethanol	45	6.228	6.228	0.0	94	908250	81.3	
21 Ethyl ether	59	6.282	6.292	-0.010	84	975060	35.4	
22 Acrolein	56	6.698	6.709	-0.011	35	406405	32.7	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.714	6.714	0.0	85	4758714	35.0	
24 1,1-Dichloroethene	96	6.757	6.757	0.0	79	2220318	35.9	
25 Acetone	43	7.029	7.040	-0.011	82	1803417	34.4	
26 Carbon disulfide	76	7.146	7.146	0.0	98	4790875	37.0	
27 Isopropyl alcohol	45	7.365	7.360	0.005	98	1381834	35.9	
29 3-Chloro-1-propene	41	7.589	7.589	0.0	82	1447049	35.3	
30 Acetonitrile	41	7.755	7.760	-0.005	98	723819	38.5	
31 Methylene Chloride	49	7.899	7.904	-0.005	71	1327962	35.1	
32 2-Methyl-2-propanol	59	8.166	8.160	0.006	96	2690824	36.9	
33 Methyl tert-butyl ether	73	8.315	8.321	-0.005	92	5680600	36.1	
34 trans-1,2-Dichloroethene	61	8.342	8.347	-0.005	82	2189873	34.7	
35 Acrylonitrile	53	8.534	8.534	0.0	95	924437	38.8	
36 Hexane	57	8.737	8.742	-0.005	88	2093609	34.8	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	9.265	9.265 0.0	99	3059145	34.0	
	38 Vinyl acetate	43	9.356	9.356 0.0	99	3486674	39.0	
S	41 1,2-Dichloroethene, Total	61			0		71.3	
	39 cis-1,2-Dichloroethene	96	10.429	10.429 0.0	86	2918433	36.6	
	40 2-Butanone (MEK)	72	10.503	10.503 0.0	97	1023216	34.3	
	42 Ethyl acetate	88	10.546	10.546 0.0	96	216153	40.0	
*	43 Chlorobromomethane	128	10.920	10.920 0.0	73	705978	10.0	
	44 Tetrahydrofuran	42	10.925	10.930 -0.005	78	1485013	37.8	
	45 Chloroform	83	11.058	11.058 0.0	98	5896383	35.6	
	46 Cyclohexane	84	11.288	11.288 0.0	77	3552587	35.1	
	47 1,1,1-Trichloroethane	97	11.336	11.336 0.0	92	7710854	35.5	
	48 Carbon tetrachloride	117	11.587	11.587 0.0	95	9431564	35.6	
	51 Isooctane	57	12.046	12.040 0.006	98	9579174	34.7	
	50 Benzene	78	12.094	12.088 0.006	93	8195140	35.3	
	52 1,2-Dichloroethane	62	12.296	12.296 0.0	99	3701240	34.4	
	53 n-Heptane	43	12.462	12.457 0.005	80	3020158	33.5	
*	54 1,4-Difluorobenzene	114	12.985	12.985 0.0	91	3908134	10.0	
	55 n-Butanol	56	13.428	13.428 0.0	82	1027530	36.0	
	56 Trichloroethene	95	13.471	13.465 0.006	90	4987397	35.0	
A	57 GRO	1	13.497	5.124 - 21.870	0	1164619550	0	
	58 1,2-Dichloropropane	63	14.068	14.063 0.005	89	2861195	35.3	
	59 Methyl methacrylate	69	14.250	14.244 0.006	75	3268669	38.9	
	60 1,4-Dioxane	88	14.308	14.309 0.0	36	1438986	35.4	
	61 Dibromomethane	174	14.335	14.330 0.005	82	7447254	39.8	
	62 Dichlorobromomethane	83	14.639	14.634 0.005	94	8418584	36.5	
A	63 TVOC as Toluene	1	15.269	3.171 - 27.367	0	2146788997	9640.1	
	64 cis-1,3-Dichloropropene	75	15.600	15.595 0.005	86	5607337	37.9	
	65 4-Methyl-2-pentanone (MIBK)	43	15.904	15.904 0.0	90	4813145	37.1	
	66 Toluene	92	16.192	16.192 0.0	93	8323022	36.0	
A	67 Toluene Range	1	16.192	16.152 - 16.232	0	53181174	NC	
	68 n-Octane	43	16.235	16.235 0.0	78	4665401	31.6	
A	69 C8 Range	1	16.235	16.185 - 16.285	0	53181174	NC	
	70 trans-1,3-Dichloropropene	75	16.811	16.806 0.005	91	6203417	36.1	
	71 1,1,2-Trichloroethane	83	17.190	17.185 0.005	89	3642125	35.7	
	72 Tetrachloroethene	166	17.276	17.276 0.0	85	11348332	38.1	
	73 2-Hexanone	43	17.649	17.649 0.0	89	4755940	36.3	
	74 Chlorodibromomethane	129	17.959	17.954 0.005	97	12210435	38.7	
	75 Ethylene Dibromide	107	18.236	18.231 0.005	98	9038760	37.8	
*	76 Chlorobenzene-d5	117	19.128	19.128 0.0	53	4054199	10.0	
	77 Chlorobenzene	112	19.192	19.186 0.006	91	13702992	37.2	
	78 Ethylbenzene	91	19.336	19.336 0.0	94	19858506	36.4	
	79 n-Nonane	57	19.443	19.437 0.006	78	5648557	32.4	
	81 m-Xylene & p-Xylene	106	19.592	19.587 0.005	94	16617718	70.7	
S	82 Xylenes, Total	106			0		107.5	
	83 o-Xylene	106	20.398	20.398 0.0	95	8482008	36.9	
	84 Styrene	104	20.451	20.441 0.010	98	13870189	39.0	
	85 Bromoform	173	20.846	20.841 0.005	97	14843248	40.8	
	86 Isopropylbenzene	105	21.022	21.028 -0.006	93	23402938	34.3	
$	87 4-Bromofluorobenzene	95	21.385	21.380 0.005	94	2590838	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.652	21.652 0.0	92	9380368	33.9	
	90 N-Propylbenzene	91	21.705	21.711 -0.006	97	22456625	30.0	
	89 1,2,3-Trichloropropane	75	21.753	21.743 0.010	80	7086669	34.4	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane	57	21.866	21.860	0.006	79	6381846	30.6
91 4-Ethyltoluene	105	21.887	21.892	-0.005	95	20381969	29.7
92 2-Chlorotoluene	91	21.914	21.903	0.011	95	17074124	31.8
94 1,3,5-Trimethylbenzene	105	21.988	21.988	0.0	94	20325838	33.5
95 Alpha Methyl Styrene	118	22.351	22.346	0.005	90	12338930	40.3
96 tert-Butylbenzene	119	22.458	22.463	-0.005	95	20813054	33.6
97 1,2,4-Trimethylbenzene	105	22.549	22.554	-0.005	95	19827314	32.1
98 sec-Butylbenzene	105	22.767	22.778	-0.011	97	23106044	27.6
99 4-Isopropyltoluene	119	22.965	22.970	-0.005	92	21948463	27.8
100 1,3-Dichlorobenzene	146	23.008	23.008	0.0	98	18378150	35.9
101 1,4-Dichlorobenzene	146	23.146	23.146	0.0	96	18567371	36.1
102 Benzyl chloride	91	23.355	23.355	-0.001	99	18690693	36.9
103 n-Butylbenzene	91	23.563	23.563	0.0	95	17720284	29.8
104 Undecane	57	23.573	23.568	0.005	61	5698616	27.8
105 1,2-Dichlorobenzene	146	23.707	23.701	0.006	98	18364719	37.7
106 Dodecane	57	25.222	25.222	0.0	88	3009118	17.9
107 1,2,4-Trichlorobenzene	180	26.332	26.333	-0.001	91	10286355	26.5
108 Hexachlorobutadiene	225	26.519	26.519	0.0	95	7798873	21.7
109 Naphthalene	128	26.861	26.856	0.005	99	20138429	27.3
110 1,2,3-Trichlorobenzene	180	27.363	27.357	0.006	94	7052922	21.0

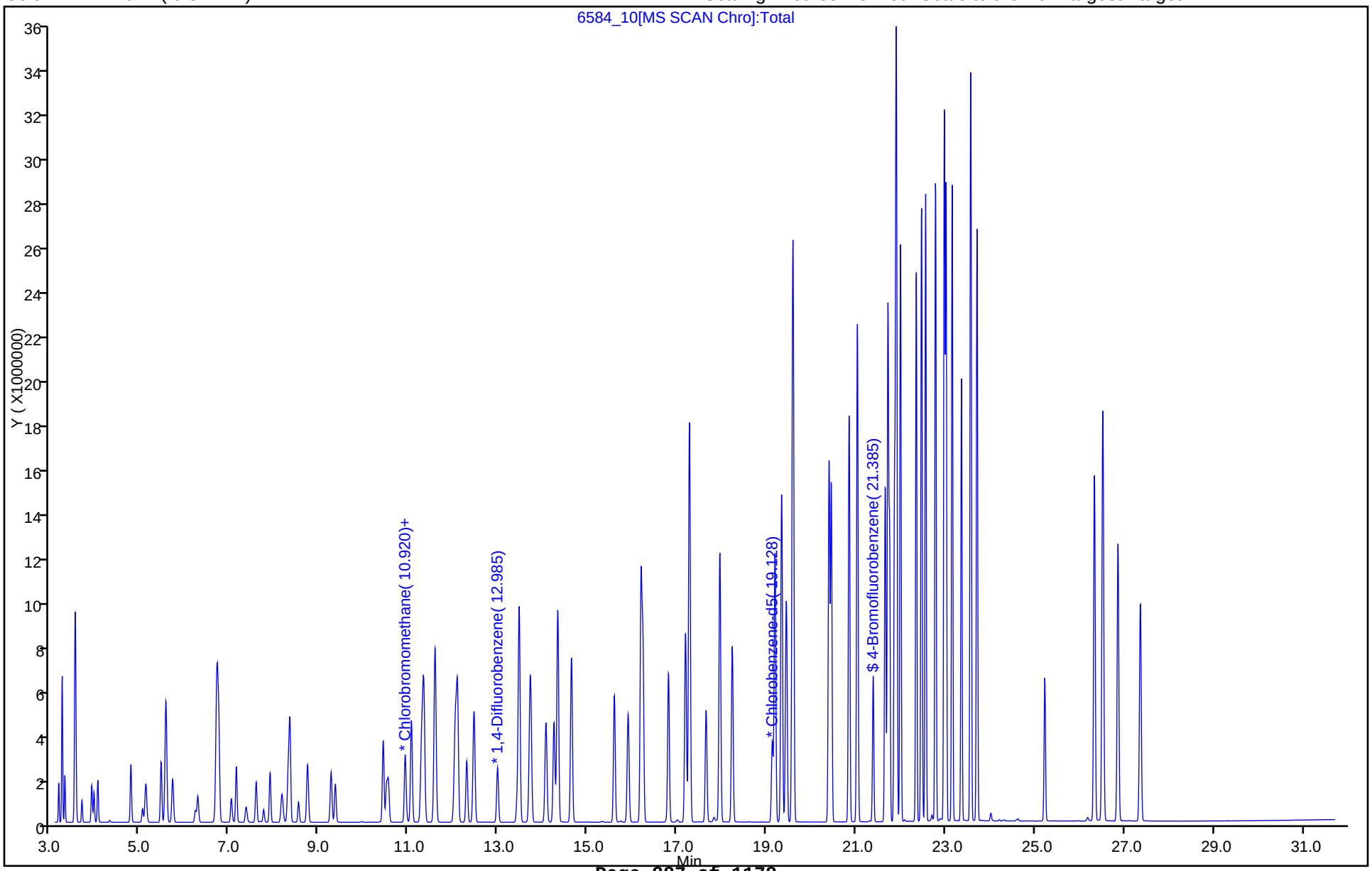
Report Date: 24-Mar-2014 10:03:21 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Injection Date:	18-Mar-2014 16:40:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	IC			Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_17.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-Mar-2014 14:55:30 ALS Bottle#: 8 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006584-017
Misc. Info.: level 3
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Mar-2014 10:03:17 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: desjardinsb Date: 19-Mar-2014 07:47:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.187	3.181	0.006	92	16016	0.7490	
2 Dichlorodifluoromethane	85	3.261	3.261	0.0	87	94592	0.5965	
6 Chlorodifluoromethane	51	3.320	3.320	0.0	93	33325	0.6252	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.549	3.549	0.0	79	78444	0.5658	
8 Chloromethane	50	3.704	3.704	0.0	85	17209	0.6563	
9 Butane	43	3.918	3.923	-0.005	92	26546	0.6337	
10 Vinyl chloride	62	3.971	3.971	0.0	87	21787	0.5467	
11 Butadiene	54	4.056	4.056	0.0	90	14522	0.5589	
12 Bromomethane	94	4.798	4.798	0.0	92	29573	0.5701	
13 Chloroethane	64	5.054	5.054	0.0	91	10765	0.6302	
14 2-Methylbutane	43	5.119	5.134	-0.016	90	16813	0.5752	
15 Vinyl bromide	106	5.465	5.471	-0.006	95	35451	0.5575	
16 Trichlorofluoromethane	101	5.572	5.577	-0.005	94	109106	0.5553	
17 Pentane	43	5.727	5.721	0.006	94	27079	0.6100	
19 Ethanol	45	6.234	6.228	0.006	100	50748	5.21	
21 Ethyl ether	59	6.303	6.292	0.011	75	13536	0.5634	
22 Acrolein	56	6.720	6.709	0.011	14	8200	0.7568	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.720	6.714	0.006	86	66744	0.5629	
24 1,1-Dichloroethene	96	6.762	6.757	0.005	84	30114	0.5578	
25 Acetone	43	7.056	7.040	0.016	87	94503	2.07	
26 Carbon disulfide	76	7.147	7.146	0.001	97	62396	0.5534	
27 Isopropyl alcohol	45	7.376	7.360	0.016	95	20229	0.6029	
29 3-Chloro-1-propene	41	7.589	7.589	0.0	79	19400	0.5427	
30 Acetonitrile	41	7.760	7.760	0.0	94	11805	0.7205	
31 Methylene Chloride	49	7.894	7.904	-0.010	72	21351	0.6466	
32 2-Methyl-2-propanol	59	8.177	8.160	0.017	94	30684	0.4826	
33 Methyl tert-butyl ether	73	8.331	8.321	0.011	95	74387	0.5415	
34 trans-1,2-Dichloroethene	61	8.342	8.347	-0.005	81	29628	0.5387	
35 Acrylonitrile	53	8.539	8.534	0.005	93	11233	0.5410	
36 Hexane	57	8.742	8.742	0.0	83	29445	0.5617	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	9.260	9.265 -0.005	88	41116	0.5237	
	38 Vinyl acetate	43	9.361	9.356 0.005	98	42067	0.5399	
S	41 1,2-Dichloroethene, Total	61			0		1.09	
	39 cis-1,2-Dichloroethene	96	10.429	10.429 0.0	78	38215	0.5491	
	40 2-Butanone (MEK)	72	10.519	10.503 0.016	96	20748	0.7985	
	42 Ethyl acetate	88	10.557	10.546 0.011	95	2820	0.5979	
*	43 Chlorobromomethane	128	10.914	10.920 -0.006	64	615590	10.0	
	44 Tetrahydrofuran	42	10.962	10.930 0.032	86	20742	0.6036	
	45 Chloroform	83	11.048	11.058 -0.010	92	78125	0.5407	
	46 Cyclohexane	84	11.288	11.288 0.0	76	48024	0.5428	M
	47 1,1,1-Trichloroethane	97	11.325	11.336 -0.011	91	100051	0.5273	
	48 Carbon tetrachloride	117	11.587	11.587 0.0	96	116734	0.5047	
	51 Isooctane	57	12.040	12.040 0.0	97	129481	0.5370	
	50 Benzene	78	12.089	12.088 0.0	93	112391	0.5547	
	52 1,2-Dichloroethane	62	12.297	12.296 0.001	95	48796	0.5188	
	53 n-Heptane	43	12.457	12.457 0.0	74	43011	0.5456	
*	54 1,4-Difluorobenzene	114	12.980	12.985 -0.005	91	3414126	10.0	
	55 n-Butanol	56	13.444	13.428 0.016	41	16559	0.6646	
	56 Trichloroethene	95	13.465	13.465 0.0	86	66198	0.5320	
A	57 GRO	1	13.497	5.124 - 21.870	0	19931168	0	
	58 1,2-Dichloropropane	63	14.063	14.063 0.0	88	37712	0.5330	
	59 Methyl methacrylate	69	14.250	14.244 0.006	77	37867	0.5165	
	60 1,4-Dioxane	88	14.341	14.309 0.033	35	22146	0.6239	
	61 Dibromomethane	174	14.330	14.330 0.0	86	90280	0.5530	
	62 Dichlorobromomethane	83	14.634	14.634 0.0	96	105647	0.5245	
A	63 TVOC as Toluene	1	15.269	3.171 - 27.367	0	36421572	187.2	
	64 cis-1,3-Dichloropropene	75	15.595	15.595 0.0	87	68103	0.5273	
	65 4-Methyl-2-pentanone (MIBK)	43	15.910	15.904 0.006	89	60143	0.5307	
	66 Toluene	92	16.182	16.192 -0.010	93	108049	0.5502	
A	67 Toluene Range	1	16.192	16.152 - 16.232	0	725414	NC	
	68 n-Octane	43	16.225	16.235 -0.010	84	68522	0.5313	
A	69 C8 Range	1	16.235	16.185 - 16.285	0	725414	NC	
	70 trans-1,3-Dichloropropene	75	16.801	16.806 -0.005	88	89036	0.5927	
	71 1,1,2-Trichloroethane	83	17.180	17.185 -0.005	89	47530	0.5484	
	72 Tetrachloroethene	166	17.271	17.276 -0.005	86	136752	0.5405	
	73 2-Hexanone	43	17.650	17.649 0.001	89	59117	0.5313	
	74 Chlorodibromomethane	129	17.954	17.954 0.0	96	138118	0.5154	
	75 Ethylene Dibromide	107	18.226	18.231 -0.005	98	109295	0.5377	
*	76 Chlorobenzene-d5	117	19.123	19.128 -0.005	79	3446158	10.0	
	77 Chlorobenzene	112	19.181	19.186 -0.005	69	176457	0.5630	
	78 Ethylbenzene	91	19.331	19.336 -0.005	96	253859	0.5478	
	79 n-Nonane	57	19.443	19.437 0.006	79	82426	0.5554	
	81 m-Xylene & p-Xylene	106	19.582	19.587 -0.005	99	221218	1.11	
S	82 Xylenes, Total	106			0		1.65	
	83 o-Xylene	106	20.393	20.398 -0.005	79	105847	0.5416	
	84 Styrene	104	20.441	20.441 0.0	97	157564	0.5215	
	85 Bromoform	173	20.841	20.841 0.0	98	151426	0.4894	
	86 Isopropylbenzene	105	21.022	21.028 -0.006	93	315300	0.5438	
$	87 4-Bromofluorobenzene	95	21.380	21.380 0.0	94	2222901	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.647	21.652 -0.005	90	129867	0.5525	
	90 N-Propylbenzene	91	21.706	21.711 -0.005	98	353372	0.5556	
	89 1,2,3-Trichloropropane	75	21.743	21.743 0.0	89	103993	0.5943	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane	57	21.855	21.860	-0.005	81	109292	0.6174
91 4-Ethyltoluene	105	21.887	21.892	-0.005	96	329202	0.5646
92 2-Chlorotoluene	91	21.903	21.903	0.0	92	255453	0.5601
94 1,3,5-Trimethylbenzene	105	21.988	21.988	0.0	94	274169	0.5311
95 Alpha Methyl Styrene	118	22.341	22.346	-0.005	89	134876	0.5180
96 tert-Butylbenzene	119	22.463	22.463	0.0	95	289364	0.5494
97 1,2,4-Trimethylbenzene	105	22.554	22.554	0.0	95	277006	0.5269
98 sec-Butylbenzene	105	22.773	22.778	-0.005	98	399320	0.5605
99 4-Isopropyltoluene	119	22.970	22.970	0.0	88	374207	0.5583
100 1,3-Dichlorobenzene	146	23.008	23.008	0.0	98	240985	0.5539
101 1,4-Dichlorobenzene	146	23.147	23.146	0.001	97	242550	0.5551
102 Benzyl chloride	91	23.355	23.355	0.0	99	219132	0.5089
103 n-Butylbenzene	91	23.558	23.563	-0.005	96	289207	0.5729
104 Undecane	57	23.563	23.568	-0.005	88	120737	0.6917
105 1,2-Dichlorobenzene	146	23.702	23.701	0.001	100	223715	0.5397
106 Dodecane	57	25.223	25.222	0.001	89	92339	0.6472
107 1,2,4-Trichlorobenzene	180	26.333	26.333	0.0	92	187836	0.5690
108 Hexachlorobutadiene	225	26.519	26.519	0.0	95	178170	0.5839
109 Naphthalene	128	26.856	26.856	0.0	99	328732	0.5247
110 1,2,3-Trichlorobenzene	180	27.357	27.357	0.0	95	167553	0.5867

QC Flag Legend

Review Flags
M - Manually Integrated

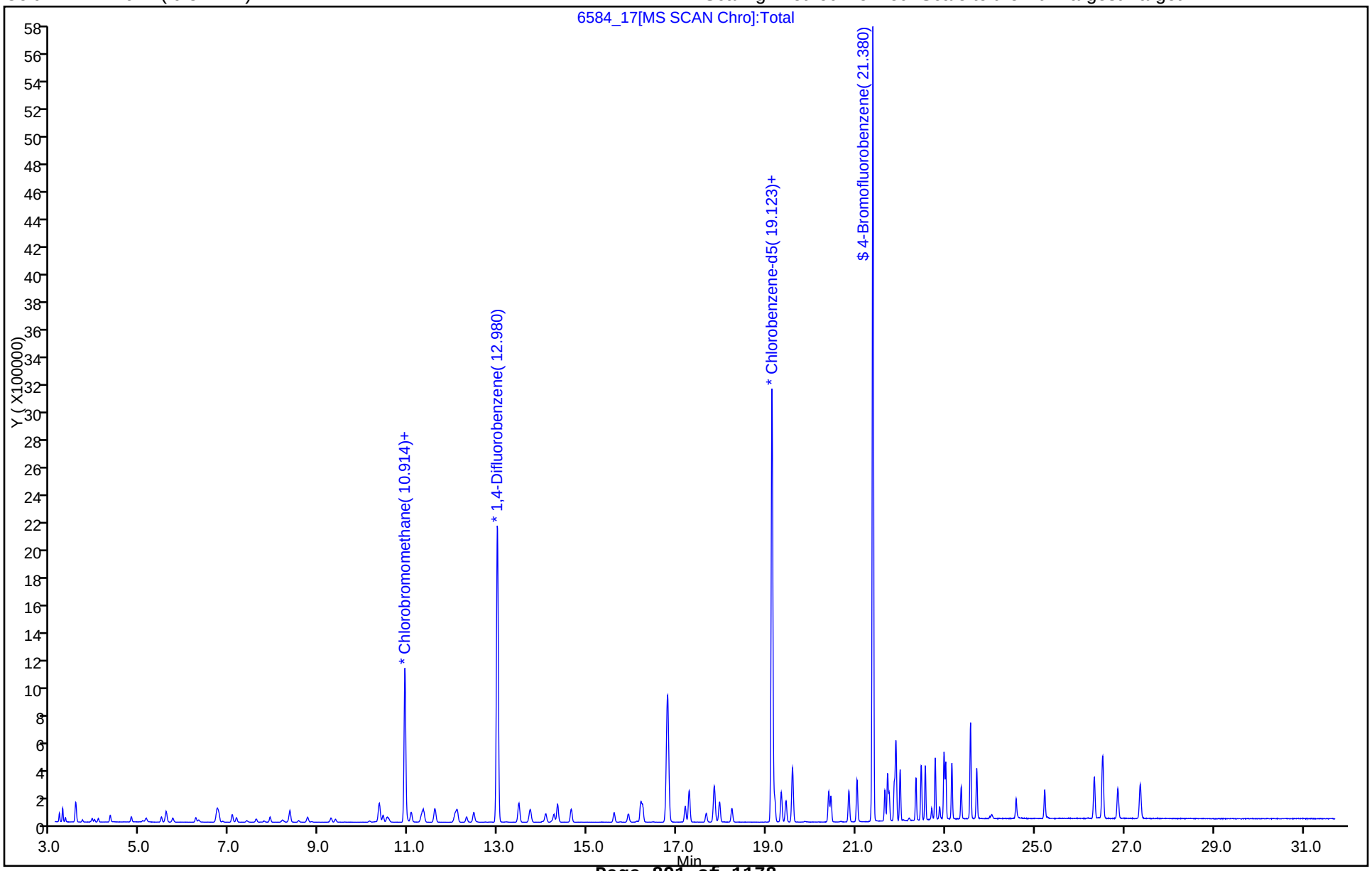
Report Date: 24-Mar-2014 10:03:17 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_17.D

Injection Date:	18-Mar-2014 14:55:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	IC			Worklist Smp#:	17
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

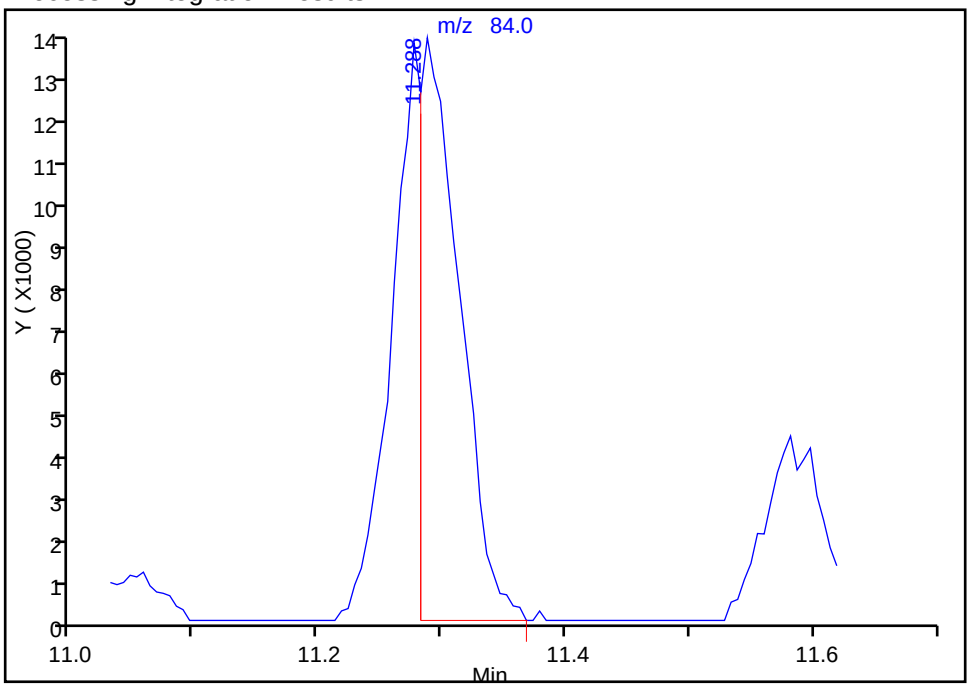
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_17.D
Injection Date: 18-Mar-2014 14:55:30 Instrument ID: CHC.i
Lims ID: IC
Client ID:
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

46 Cyclohexane, CAS: 110-82-7

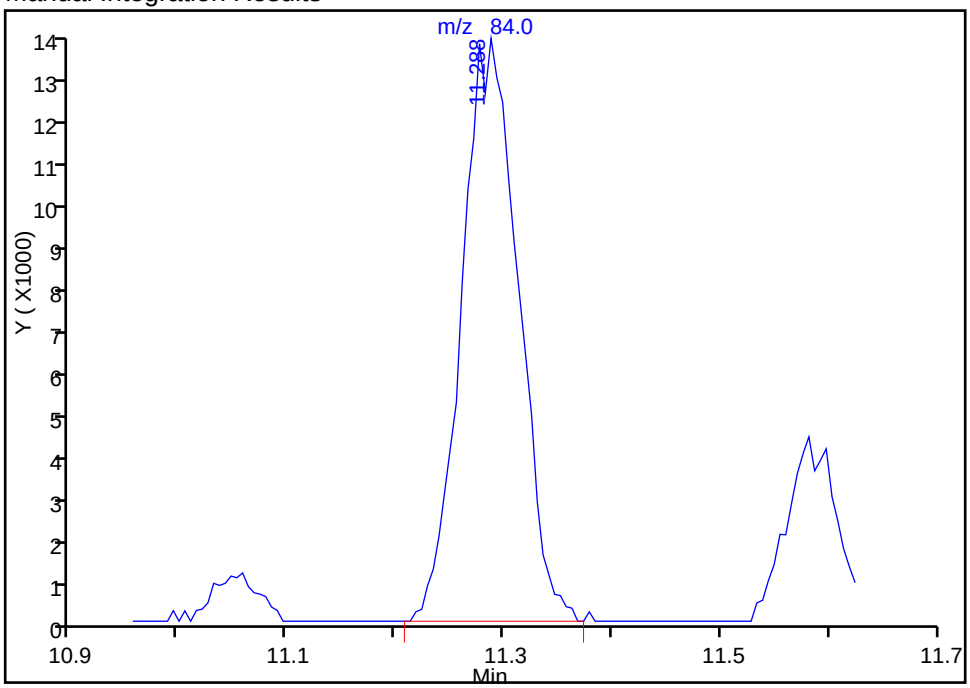
Processing Integration Results

RT: 11.29
Response: 29614
Amount: 0.425759



Manual Integration Results

RT: 11.29
Response: 48024
Amount: 0.542795



Reviewer: desjardinsb, 19-Mar-2014 07:47:01
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Lab Sample ID: ICV 200-69583/13 Calibration Date: 03/18/2014 19:09

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6584_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.3474	0.2752		7.92	10.0	-20.8	30.0
Freon 12	Ave	2.576	2.210		8.58	10.0	-14.2	30.0
Freon 22	Ave	0.8659	0.7282		8.41	10.0	-15.9	30.0
Freon-114	Ave	2.252	2.056		9.13	10.0	-8.7	30.0
Chloromethane	Ave	0.4260	0.3487		8.19	10.0	-18.1	30.0
n-Butane	Ave	0.6804	0.5684		8.35	10.0	-16.5	30.0
Vinyl chloride	Ave	0.6474	0.4951		7.65	10.0	-23.5	30.0
1,3-Butadiene	Ave	0.4221	0.3339		7.91	10.0	-20.9	30.0
Bromomethane	Ave	0.8427	0.6939		8.23	10.0	-17.7	30.0
Chloroethane	Ave	0.2775	0.2350		8.47	10.0	-15.3	30.0
Isopentane	Ave	0.4748	0.3981		8.38	10.0	-16.2	30.0
Vinyl bromide	Ave	1.033	0.8790		8.51	10.0	-14.9	30.0
Freon 11	Ave	3.192	2.618		8.20	10.0	-18.0	30.0
n-Pentane	Ave	0.7211	0.6838		9.48	10.0	-5.2	30.0
Ethanol	Ave	0.1583	0.1389		13.2	15.0	-12.3	30.0
Ethyl ether	Ave	0.3903	0.3686		9.44	10.0	-5.6	30.0
Acrolein	Ave	0.1760	0.1731		9.83	10.0	-1.7	30.0
Freon 113	Ave	1.926	1.657		8.60	10.0	-14.0	30.0
1,1-Dichloroethene	Ave	0.8770	0.7547		8.60	10.0	-13.9	30.0
Acetone	Ave	0.7425	0.6207		8.36	10.0	-16.4	30.0
Carbon disulfide	Ave	1.832	1.859		10.1	10.0	1.5	30.0
Isopropyl alcohol	Ave	0.5450	0.4471		8.20	10.0	-18.0	30.0
Allyl chloride	Ave	0.5807	0.4558		7.85	10.0	-21.5	30.0
Acetonitrile	Ave	0.2661	0.2625		9.86	10.0	-1.4	30.0
Methylene Chloride	Ave	0.5364	0.4605		8.58	10.0	-14.1	30.0
tert-Butyl alcohol	Ave	1.033	0.8670		8.39	10.0	-16.0	30.0
Methyl tert-butyl ether	Ave	2.232	1.909		8.55	10.0	-14.5	30.0
trans-1,2-Dichloroethene	Ave	0.8935	0.8086		9.05	10.0	-9.5	30.0
Acrylonitrile	Ave	0.3373	0.3246		9.62	10.0	-3.8	30.0
Hexane	Ave	0.8515	0.7719		9.06	10.0	-9.4	30.0
1,1-Dichloroethane	Ave	1.275	1.047		8.21	10.0	-17.9	30.0
Vinyl acetate	Ave	1.266	1.105		8.73	10.0	-12.7	30.0
cis-1,2-Dichloroethene	Ave	1.131	0.9796		8.66	10.0	-13.4	30.0
Methyl Ethyl Ketone	Ave	0.4221	0.3552		8.41	10.0	-15.9	30.0
Ethyl acetate	Ave	0.0766	0.0781		10.2	10.0	1.9	30.0
Tetrahydrofuran	Ave	0.1007	0.0917		9.11	10.0	-8.9	30.0
Chloroform	Ave	2.347	2.038		8.68	10.0	-13.2	30.0
Cyclohexane	Ave	0.2591	0.2216		8.55	10.0	-14.5	30.0
1,1,1-Trichloroethane	Ave	0.5558	0.4674		8.41	10.0	-15.9	30.0
Carbon tetrachloride	Ave	0.6775	0.5587		8.25	10.0	-17.5	30.0
2,2,4-Trimethylpentane	Ave	0.7063	0.5934		8.40	10.0	-16.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Lab Sample ID: ICV 200-69583/13 Calibration Date: 03/18/2014 19:09

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6584_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5935	0.5053		8.51	10.0	-14.9	30.0
1,2-Dichloroethane	Ave	0.2755	0.2247		8.15	10.0	-18.4	30.0
Heptane	Ave	0.2309	0.1879		8.14	10.0	-18.6	30.0
n-Butanol	Ave	0.0730	0.0674		9.24	10.0	-7.6	30.0
Trichloroethene	Ave	0.3644	0.3095		8.49	10.0	-15.1	30.0
1,2-Dichloropropane	Ave	0.2073	0.1748		8.43	10.0	-15.7	30.0
Methyl methacrylate	Ave	0.2148	0.2008		9.35	10.0	-6.5	30.0
1,4-Dioxane	Ave	0.1040	0.0965		9.27	10.0	-7.2	30.0
Dibromomethane	Ave	0.4782	0.4314		9.02	10.0	-9.8	30.0
Bromodichloromethane	Ave	0.5900	0.4964		8.41	10.0	-15.9	30.0
cis-1,3-Dichloropropene	Ave	0.3783	0.3367		8.90	10.0	-11.0	30.0
methyl isobutyl ketone	Ave	0.3319	0.2866		8.63	10.0	-13.7	30.0
Toluene	Ave	0.5698	0.5091		8.93	10.0	-10.6	30.0
n-Octane	Ave	0.3778	0.3081		8.15	10.0	-18.4	30.0
trans-1,3-Dichloropropene	Ave	0.4400	0.3679		8.36	10.0	-16.4	30.0
1,1,2-Trichloroethane	Ave	0.2515	0.2217		8.81	10.0	-11.9	30.0
Tetrachloroethene	Ave	0.7342	0.6571		8.95	10.0	-10.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3229	0.2809		8.70	10.0	-13.0	30.0
Dibromochloromethane	Ave	0.7776	0.6736		8.66	10.0	-13.4	30.0
1,2-Dibromoethane	Ave	0.5898	0.5286		8.96	10.0	-10.4	30.0
Chlorobenzene	Ave	0.9095	0.7982		8.77	10.0	-12.2	30.0
Ethylbenzene	Ave	1.345	1.150		8.55	10.0	-14.5	30.0
n-Nonane	Ave	0.4307	0.3597		8.35	10.0	-16.5	30.0
m,p-Xylene	Ave	0.5802	0.5139		17.7	20.0	-11.4	30.0
Xylene, o-	Ave	0.5671	0.4937		8.70	10.0	-12.9	30.0
Styrene	Ave	0.8767	0.7827		8.93	10.0	-10.7	30.0
Bromoform	Ave	0.8979	0.8014		8.92	10.0	-10.8	30.0
Cumene	Ave	1.682	1.466		8.71	10.0	-12.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6820	0.5898		8.65	10.0	-13.5	30.0
n-Propylbenzene	Ave	1.846	1.575		8.53	10.0	-14.7	30.0
1,2,3-Trichloropropane	Ave	0.5078	0.4396		8.66	10.0	-13.4	30.0
n-Decane	Ave	0.5136	0.4530		8.82	10.0	-11.8	30.0
4-Ethyltoluene	Ave	1.692	1.493		8.82	10.0	-11.8	30.0
2-Chlorotoluene	Ave	1.323	1.105		8.35	10.0	-16.5	30.0
1,3,5-Trimethylbenzene	Ave	1.498	1.277		8.53	10.0	-14.7	30.0
Alpha Methyl Styrene	Ave	0.7556	0.7036		9.31	10.0	-6.9	30.0
tert-Butylbenzene	Ave	1.528	1.319		8.63	10.0	-13.7	30.0
1,2,4-Trimethylbenzene	Ave	1.526	1.279		8.38	10.0	-16.2	30.0
sec-Butylbenzene	Ave	2.067	1.810		8.75	10.0	-12.5	30.0
4-Isopropyltoluene	Ave	1.945	1.700		8.74	10.0	-12.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Lab Sample ID: ICV 200-69583/13 Calibration Date: 03/18/2014 19:09

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6584_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.263	1.093		8.66	10.0	-13.4	30.0
1,4-Dichlorobenzene	Ave	1.268	1.093		8.62	10.0	-13.8	30.0
Benzyl chloride	Ave	1.250	1.019		8.15	10.0	-18.5	30.0
n-Butylbenzene	Ave	1.465	1.229		8.39	10.0	-16.1	30.0
n-Undecane	Ave	0.5065	0.4870		9.61	10.0	-3.8	30.0
1,2-Dichlorobenzene	Ave	1.203	1.029		8.55	10.0	-14.4	30.0
n-Dodecane	Ave	0.4140	0.3932		9.49	10.0	-5.0	30.0
1,2,4-Trichlorobenzene	Ave	0.9580	0.8525		8.90	10.0	-11.0	30.0
Hexachloro-1,3-butadiene	Ave	0.8855	0.7759		8.76	10.0	-12.4	30.0
Naphthalene	Ave	1.818	1.527		8.40	10.0	-16.0	30.0
1,2,3-Trichlorobenzene	Ave	0.8287	0.7404		8.93	10.0	-10.7	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_13.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 18-Mar-2014 19:09:30 ALS Bottle#: 8 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006584-013
Misc. Info.: icv
Operator ID: wrd Instrument ID: CHC.i
Sublist:

Method: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Mar-2014 10:03:20 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: desjardinsb Date: 19-Mar-2014 08:23:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.176	3.181	-0.005	97	191396	7.92	
2 Dichlorodifluoromethane	85	3.250	3.261	-0.011	88	1537566	8.58	
6 Chlorodifluoromethane	51	3.314	3.320	-0.006	77	506552	8.41	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.544	3.549	-0.005	85	1430262	9.13	
8 Chloromethane	50	3.693	3.704	-0.011	88	242577	8.19	
9 Butane	43	3.912	3.923	-0.011	97	395402	8.35	
10 Vinyl chloride	62	3.966	3.971	-0.005	82	344397	7.65	
11 Butadiene	54	4.051	4.056	-0.005	91	232267	7.91	
12 Bromomethane	94	4.787	4.798	-0.011	99	482712	8.23	
13 Chloroethane	64	5.049	5.054	-0.005	98	163458	8.47	
14 2-Methylbutane	43	5.124	5.134	-0.010	87	276949	8.38	
15 Vinyl bromide	106	5.460	5.471	-0.011	97	611436	8.51	
16 Trichlorofluoromethane	101	5.572	5.577	-0.005	98	1821446	8.20	
17 Pentane	43	5.716	5.721	-0.005	94	475648	9.48	
19 Ethanol	45	6.223	6.228	-0.005	94	144968	13.2	
21 Ethyl ether	59	6.287	6.292	-0.005	85	256395	9.44	
22 Acrolein	56	6.703	6.709	-0.006	92	120412	9.83	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.714	6.714	0.0	87	1152438	8.60	
24 1,1-Dichloroethene	96	6.757	6.757	0.0	87	524990	8.60	
18 BFB								
25 Acetone	43	7.034	7.040	-0.006	83	431790	8.36	M
26 Carbon disulfide	76	7.141	7.146	-0.005	98	1293069	10.1	
27 Isopropyl alcohol	45	7.354	7.360	-0.006	98	310987	8.20	
29 3-Chloro-1-propene	41	7.584	7.589	-0.005	81	317043	7.85	
30 Acetonitrile	41	7.755	7.760	-0.005	98	182589	9.86	
31 Methylene Chloride	49	7.899	7.904	-0.005	76	320336	8.58	
32 2-Methyl-2-propanol	59	8.155	8.160	-0.005	99	603105	8.39	
33 Methyl tert-butyl ether	73	8.310	8.321	-0.010	94	1327848	8.55	
34 trans-1,2-Dichloroethene	61	8.342	8.347	-0.005	82	562447	9.05	
35 Acrylonitrile	53	8.529	8.534	-0.005	94	225825	9.62	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
36 Hexane	57	8.737	8.742	-0.005	88	536913	9.06	
37 1,1-Dichloroethane	63	9.260	9.265	-0.005	99	728514	8.21	
38 Vinyl acetate	43	9.356	9.356	0.0	98	768643	8.73	
S 41 1,2-Dichloroethene, Total	61				0		17.7	
39 cis-1,2-Dichloroethene	96	10.429	10.429	0.0	83	681399	8.66	
40 2-Butanone (MEK)	72	10.498	10.503	-0.005	97	247070	8.41	
42 Ethyl acetate	88	10.546	10.546	0.0	98	54313	10.2	
* 43 Chlorobromomethane	128	10.914	10.920	-0.006	65	695752	10.0	
44 Tetrahydrofuran	42	10.925	10.930	-0.005	77	360757	9.11	
45 Chloroform	83	11.058	11.058	0.0	99	1417637	8.68	
46 Cyclohexane	84	11.288	11.288	0.0	78	871454	8.55	
47 1,1,1-Trichloroethane	97	11.330	11.336	-0.006	93	1838341	8.41	
48 Carbon tetrachloride	117	11.587	11.587	0.0	95	2197478	8.25	
51 Isooctane	57	12.040	12.040	0.0	98	2333949	8.40	
50 Benzene	78	12.088	12.088	0.0	93	1987395	8.51	
52 1,2-Dichloroethane	62	12.291	12.296	-0.005	99	883721	8.15	
53 n-Heptane	43	12.457	12.457	0.0	79	738978	8.14	
* 54 1,4-Difluorobenzene	114	12.980	12.985	-0.005	91	3933850	10.0	
55 n-Butanol	56	13.423	13.428	-0.005	80	265218	9.24	
56 Trichloroethene	95	13.465	13.465	0.0	90	1217189	8.49	
A 57 GRO	1	13.497	5.124 - 21.870		0	270052408	0	
58 1,2-Dichloropropane	63	14.063	14.063	0.0	88	687573	8.43	
59 Methyl methacrylate	69	14.239	14.244	-0.005	76	789846	9.35	
60 1,4-Dioxane	88	14.308	14.309	0.0	70	379332	9.27	
61 Dibromomethane	174	14.330	14.330	0.0	84	1696730	9.02	
62 Dichlorobromomethane	83	14.634	14.634	0.0	97	1952558	8.41	
A 63 TVOC as Toluene	1	15.269	3.171 - 27.367		0	537385865	2397.3	
64 cis-1,3-Dichloropropene	75	15.589	15.595	-0.006	81	1324177	8.90	
65 4-Methyl-2-pentanone (MIBK)	43	15.899	15.904	-0.005	91	1127116	8.63	
66 Toluene	92	16.187	16.192	-0.005	93	2043012	8.93	
A 67 Toluene Range	1	16.192	16.152 - 16.232		0	13280713	NC	
68 n-Octane	43	16.230	16.235	-0.005	79	1211760	8.15	
A 69 C8 Range	1	16.235	16.185 - 16.285		0	13280713	NC	
70 trans-1,3-Dichloropropene	75	16.801	16.806	-0.005	92	1447011	8.36	
71 1,1,2-Trichloroethane	83	17.185	17.185	0.0	91	889637	8.81	
72 Tetrachloroethene	166	17.270	17.276	-0.006	86	2636586	8.95	
73 2-Hexanone	43	17.644	17.649	-0.005	89	1127226	8.70	
74 Chlorodibromomethane	129	17.954	17.954	0.0	97	2702903	8.66	
75 Ethylene Dibromide	107	18.226	18.231	-0.005	98	2121120	8.96	
* 76 Chlorobenzene-d5	117	19.122	19.128	-0.006	80	4013451	10.0	
77 Chlorobenzene	112	19.181	19.186	-0.005	99	3202762	8.77	
78 Ethylbenzene	91	19.330	19.336	-0.006	96	4614001	8.55	
79 n-Nonane	57	19.437	19.437	0.0	79	1443474	8.35	
81 m-Xylene & p-Xylene	106	19.581	19.587	-0.006	98	4124432	17.7	
S 82 Xylenes, Total	106				0		26.4	
83 o-Xylene	106	20.393	20.398	-0.005	95	1980927	8.70	
84 Styrene	104	20.441	20.441	0.0	98	3140565	8.93	
85 Bromoform	173	20.841	20.841	0.0	99	3215672	8.92	
86 Isopropylbenzene	105	21.028	21.028	0.0	93	5882881	8.71	
$ 87 4-Bromofluorobenzene	95	21.380	21.380	0.0	94	2560976	NC	
88 1,1,2,2-Tetrachloroethane	83	21.647	21.652	-0.005	94	2366765	8.65	
90 N-Propylbenzene	91	21.711	21.711	0.0	99	6318097	8.53	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	21.743	21.743	0.0	89	1763840	8.66
93	n-Decane	57	21.860	21.860	0.0	80	1817909	8.82
91	4-Ethyltoluene	105	21.887	21.892	-0.005	95	5991405	8.82
92	2-Chlorotoluene	91	21.903	21.903	0.0	95	4434557	8.35
94	1,3,5-Trimethylbenzene	105	21.988	21.988	0.0	94	5125892	8.53
95	Alpha Methyl Styrene	118	22.346	22.346	0.0	90	2823274	9.31
96	tert-Butylbenzene	119	22.463	22.463	0.0	93	5293574	8.63
97	1,2,4-Trimethylbenzene	105	22.554	22.554	0.0	95	5131948	8.38
98	sec-Butylbenzene	105	22.773	22.778	-0.005	99	7261534	8.75
99	4-Isopropyltoluene	119	22.970	22.970	0.0	93	6820869	8.74
100	1,3-Dichlorobenzene	146	23.008	23.008	0.0	99	4386082	8.66
101	1,4-Dichlorobenzene	146	23.146	23.146	0.0	98	4384820	8.62
102	Benzyl chloride	91	23.355	23.355	-0.001	99	4089015	8.15
103	n-Butylbenzene	91	23.563	23.563	0.0	96	4931033	8.39
104	Undecane	57	23.568	23.568	0.0	87	1954212	9.61
105	1,2-Dichlorobenzene	146	23.701	23.701	0.0	99	4129562	8.55
106	Dodecane	57	25.222	25.222	0.0	89	1577621	9.49
107	1,2,4-Trichlorobenzene	180	26.327	26.333	-0.006	92	3420617	8.90
108	Hexachlorobutadiene	225	26.519	26.519	0.0	95	3113553	8.76
109	Naphthalene	128	26.856	26.856	0.0	99	6128035	8.40
110	1,2,3-Trichlorobenzene	180	27.357	27.357	0.0	95	2971097	8.93

QC Flag Legend

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

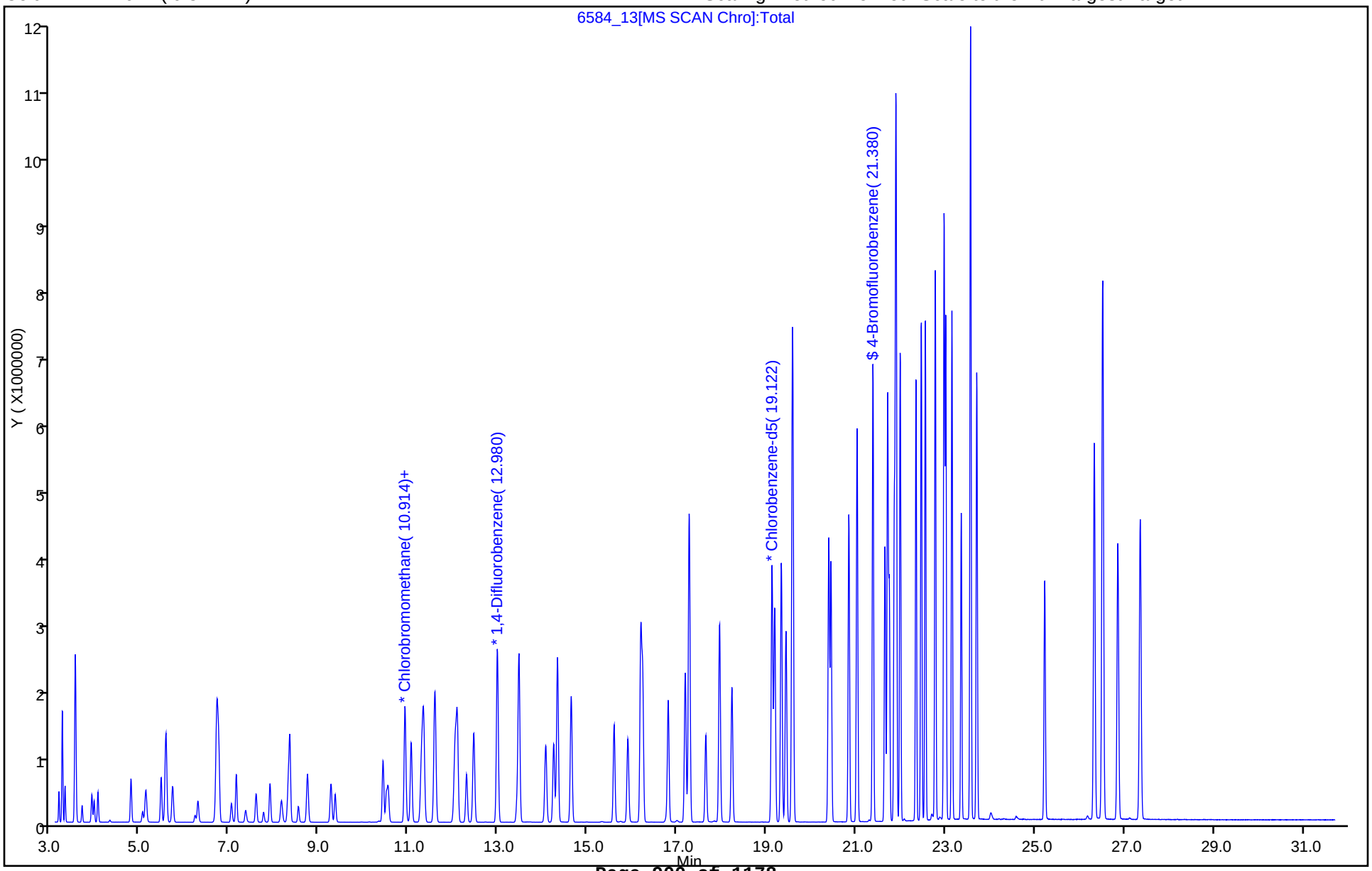
Report Date: 24-Mar-2014 10:03:26 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_13.D

Injection Date:	18-Mar-2014 19:09:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ICV			Worklist Smp#:	13
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

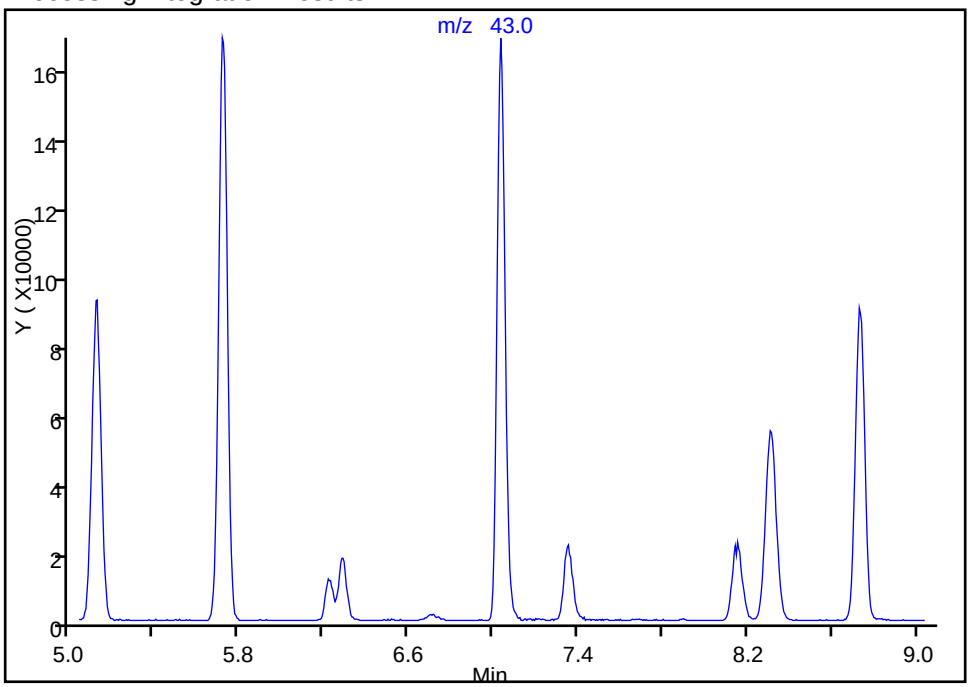
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_13.D				
Injection Date:	18-Mar-2014 19:09:30	Instrument ID:	CHC.i		
Lims ID:	ICV				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1

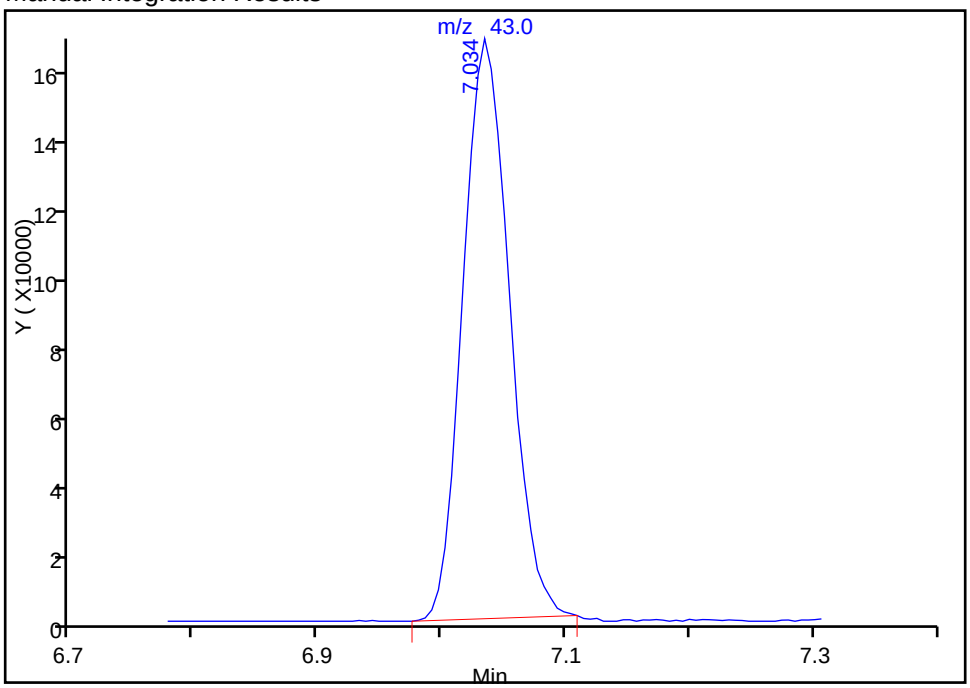
Processing Integration Results

Not Detected
Expected RT: 7.04



Manual Integration Results

RT: 7.03
Response: 431790
Amount: 8.357972



Reviewer: desjardinsb, 19-Mar-2014 08:23:59
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

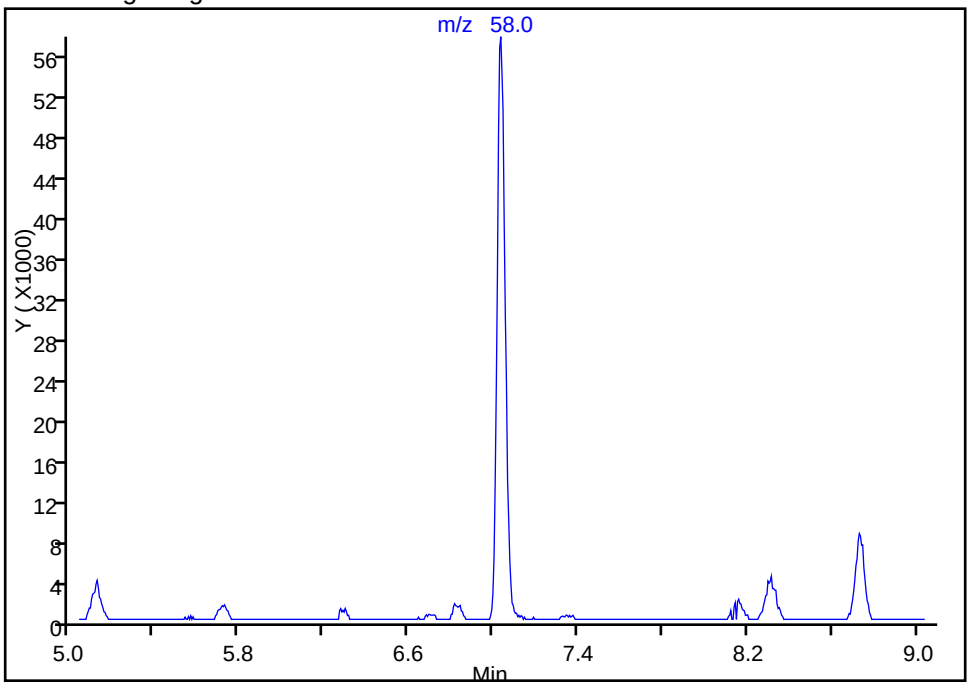
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_13.D				
Injection Date:	18-Mar-2014 19:09:30	Instrument ID:	CHC.i		
Lims ID:	ICV				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1

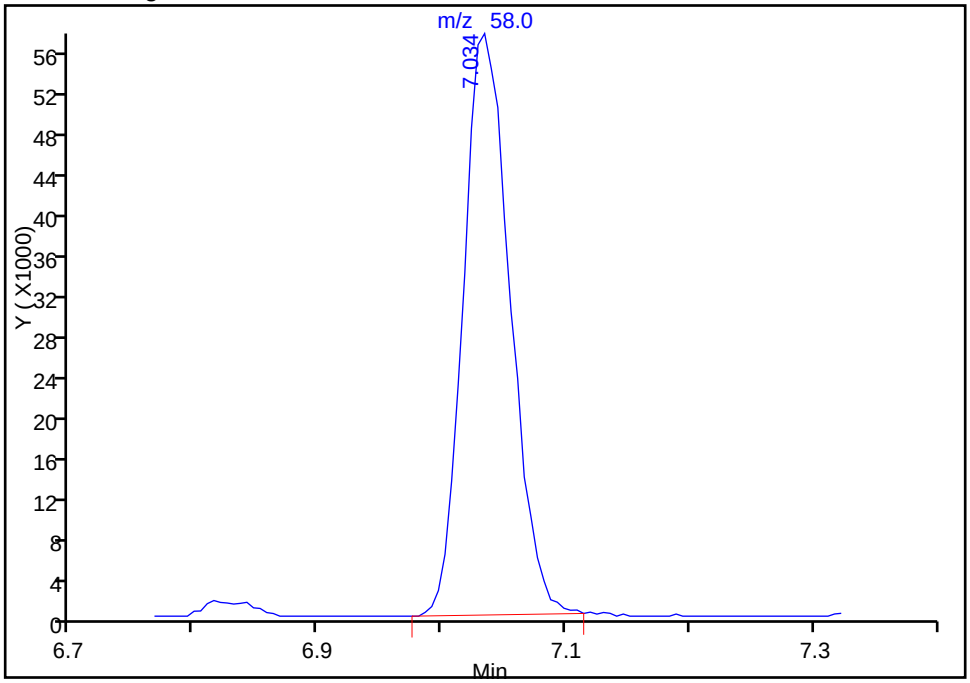
Not Detected
Expected RT: 7.04

Processing Integration Results



Manual Integration Results

RT: 7.03
Response: 152237
Amount: 8.357972



Reviewer: desjardinsb, 19-Mar-2014 08:23:59
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Lab Sample ID: CCVIS 200-70599/2 Calibration Date: 04/10/2014 14:14

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6977_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.3474	0.3595		10.3	10.0	3.5	30.0
Freon 12	Ave	2.576	2.813		10.9	10.0	9.2	30.0
Freon 22	Ave	0.8659	0.9314		10.8	10.0	7.6	30.0
Freon-114	Ave	2.252	2.288		10.2	10.0	1.6	30.0
Chloromethane	Ave	0.4260	0.4572		10.7	10.0	7.3	30.0
n-Butane	Ave	0.6804	0.7235		10.6	10.0	6.3	30.0
Vinyl chloride	Ave	0.6474	0.6372		9.84	10.0	-1.6	30.0
1,3-Butadiene	Ave	0.4221	0.4464		10.6	10.0	5.7	30.0
Bromomethane	Ave	0.8427	0.8668		10.3	10.0	2.9	30.0
Chloroethane	Ave	0.2775	0.3102		11.2	10.0	11.8	30.0
Isopentane	Ave	0.4748	0.4651		9.79	10.0	-2.1	30.0
Vinyl bromide	Ave	1.033	1.023		9.90	10.0	-1.0	30.0
Freon 11	Ave	3.192	3.096		9.70	10.0	-3.0	30.0
n-Pentane	Ave	0.7211	0.7300		10.1	10.0	1.2	30.0
Ethanol	Ave	0.1583	0.1867		17.7	15.0	17.9	30.0
Ethyl ether	Ave	0.3903	0.3961		10.1	10.0	1.5	30.0
Acrolein	Ave	0.1760	0.1743		9.90	10.0	-1.0	30.0
Freon 113	Ave	1.926	1.877		9.74	10.0	-2.6	30.0
1,1-Dichloroethene	Ave	0.8770	0.8749		9.97	10.0	-0.2	30.0
Acetone	Ave	0.7425	0.7000		9.42	10.0	-5.7	30.0
Carbon disulfide	Ave	1.832	1.883		10.3	10.0	2.8	30.0
Isopropyl alcohol	Ave	0.5450	0.5220		9.58	10.0	-4.2	30.0
Allyl chloride	Ave	0.5807	0.5580		9.61	10.0	-3.9	30.0
Acetonitrile	Ave	0.2661	0.2622		9.85	10.0	-1.5	30.0
Methylene Chloride	Ave	0.5364	0.5421		10.1	10.0	1.1	30.0
tert-Butyl alcohol	Ave	1.033	1.030		9.97	10.0	-0.2	30.0
Methyl tert-butyl ether	Ave	2.232	2.251		10.1	10.0	0.9	30.0
trans-1,2-Dichloroethene	Ave	0.8935	0.8956		10.0	10.0	0.2	30.0
Acrylonitrile	Ave	0.3373	0.3460		10.3	10.0	2.6	30.0
Hexane	Ave	0.8515	0.8156		9.58	10.0	-4.2	30.0
1,1-Dichloroethane	Ave	1.275	1.191		9.34	10.0	-6.6	30.0
Vinyl acetate	Ave	1.266	1.303		10.3	10.0	3.0	30.0
cis-1,2-Dichloroethene	Ave	1.131	1.062		9.39	10.0	-6.0	30.0
Methyl Ethyl Ketone	Ave	0.4221	0.3803		9.01	10.0	-9.9	30.0
Ethyl acetate	Ave	0.0766	0.0762		9.94	10.0	-0.6	30.0
Tetrahydrofuran	Ave	0.1007	0.1024		10.2	10.0	1.7	30.0
Chloroform	Ave	2.347	2.244		9.56	10.0	-4.4	30.0
Cyclohexane	Ave	0.2591	0.2463		9.50	10.0	-5.0	30.0
1,1,1-Trichloroethane	Ave	0.5558	0.5416		9.74	10.0	-2.5	30.0
Carbon tetrachloride	Ave	0.6775	0.6431		9.49	10.0	-5.1	30.0
2,2,4-Trimethylpentane	Ave	0.7063	0.6659		9.43	10.0	-5.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Lab Sample ID: CCVIS 200-70599/2 Calibration Date: 04/10/2014 14:14

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6977_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5935	0.5543		9.34	10.0	-6.6	30.0
1,2-Dichloroethane	Ave	0.2755	0.2710		9.84	10.0	-1.6	30.0
Heptane	Ave	0.2309	0.2122		9.19	10.0	-8.1	30.0
n-Butanol	Ave	0.0730	0.0661		9.05	10.0	-9.4	30.0
Trichloroethene	Ave	0.3644	0.3291		9.03	10.0	-9.7	30.0
1,2-Dichloropropane	Ave	0.2073	0.1943		9.37	10.0	-6.2	30.0
Methyl methacrylate	Ave	0.2148	0.2111		9.83	10.0	-1.7	30.0
1,4-Dioxane	Ave	0.1040	0.0964		9.27	10.0	-7.3	30.0
Dibromomethane	Ave	0.4782	0.4408		9.22	10.0	-7.8	30.0
Bromodichloromethane	Ave	0.5900	0.5732		9.71	10.0	-2.8	30.0
cis-1,3-Dichloropropene	Ave	0.3783	0.3665		9.69	10.0	-3.1	30.0
methyl isobutyl ketone	Ave	0.3319	0.3276		9.87	10.0	-1.3	30.0
Toluene	Ave	0.5698	0.5290		9.28	10.0	-7.2	30.0
n-Octane	Ave	0.3778	0.3475		9.20	10.0	-8.0	30.0
trans-1,3-Dichloropropene	Ave	0.4400	0.4128		9.38	10.0	-6.2	30.0
1,1,2-Trichloroethane	Ave	0.2515	0.2336		9.28	10.0	-7.1	30.0
Tetrachloroethene	Ave	0.7342	0.6678		9.09	10.0	-9.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3229	0.3129		9.69	10.0	-3.1	30.0
Dibromochloromethane	Ave	0.7776	0.7396		9.51	10.0	-4.9	30.0
1,2-Dibromoethane	Ave	0.5898	0.5482		9.29	10.0	-7.0	30.0
Chlorobenzene	Ave	0.9095	0.8267		9.09	10.0	-9.1	30.0
Ethylbenzene	Ave	1.345	1.243		9.24	10.0	-7.5	30.0
n-Nonane	Ave	0.4307	0.3980		9.24	10.0	-7.6	30.0
m,p-Xylene	Ave	0.5802	0.5455		18.8	20.0	-6.0	30.0
Xylene, o-	Ave	0.5671	0.5324		9.39	10.0	-6.1	30.0
Styrene	Ave	0.8767	0.8307		9.47	10.0	-5.2	30.0
Bromoform	Ave	0.8979	0.8783		9.78	10.0	-2.2	30.0
Cumene	Ave	1.682	1.610		9.57	10.0	-4.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6820	0.6304		9.24	10.0	-7.6	30.0
n-Propylbenzene	Ave	1.846	1.759		9.53	10.0	-4.7	30.0
1,2,3-Trichloropropane	Ave	0.5078	0.5055		9.95	10.0	-0.4	30.0
n-Decane	Ave	0.5136	0.5085		9.90	10.0	-1.0	30.0
4-Ethyltoluene	Ave	1.692	1.626		9.61	10.0	-3.9	30.0
2-Chlorotoluene	Ave	1.323	1.268		9.58	10.0	-4.2	30.0
1,3,5-Trimethylbenzene	Ave	1.498	1.417		9.46	10.0	-5.4	30.0
Alpha Methyl Styrene	Ave	0.7556	0.7491		9.91	10.0	-0.9	30.0
tert-Butylbenzene	Ave	1.528	1.460		9.55	10.0	-4.5	30.0
1,2,4-Trimethylbenzene	Ave	1.526	1.440		9.44	10.0	-5.6	30.0
sec-Butylbenzene	Ave	2.067	2.021		9.77	10.0	-2.2	30.0
4-Isopropyltoluene	Ave	1.945	1.898		9.75	10.0	-2.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Lab Sample ID: CCVIS 200-70599/2 Calibration Date: 04/10/2014 14:14

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6977_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.263	1.180		9.34	10.0	-6.6	30.0
1,4-Dichlorobenzene	Ave	1.268	1.185		9.34	10.0	-6.6	30.0
Benzyl chloride	Ave	1.250	1.263		10.1	10.0	1.1	30.0
n-Butylbenzene	Ave	1.465	1.416		9.67	10.0	-3.3	30.0
n-Undecane	Ave	0.5065	0.5502		10.9	10.0	8.6	30.0
1,2-Dichlorobenzene	Ave	1.203	1.119		9.30	10.0	-7.0	30.0
n-Dodecane	Ave	0.4140	0.4093		9.88	10.0	-1.1	30.0
1,2,4-Trichlorobenzene	Ave	0.9580	0.9249		9.65	10.0	-3.5	30.0
Hexachloro-1,3-butadiene	Ave	0.8855	0.8778		9.91	10.0	-0.9	30.0
Naphthalene	Ave	1.818	1.766		9.71	10.0	-2.9	30.0
1,2,3-Trichlorobenzene	Ave	0.8287	0.7865		9.49	10.0	-5.1	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_02.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 10-Apr-2014 14:14:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006977-002
Misc. Info.: ccvis
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 10-Apr-2014 15:24:55 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: desjardinsb Date: 10-Apr-2014 15:24:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.181	3.181	0.000	97	197333	10.0	10.3	
2 Dichlorodifluoromethane	85	3.256	3.256	0.000	88	1544259	10.0	10.9	
6 Chlorodifluoromethane	51	3.315	3.315	0.000	77	511293	10.0	10.8	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.544	3.544	0.000	81	1256256	10.0	10.2	
8 Chloromethane	50	3.699	3.699	0.000	89	250997	10.0	10.7	
9 Butane	43	3.912	3.912	0.000	97	397165	10.0	10.6	
10 Vinyl chloride	62	3.966	3.966	0.000	97	349818	10.0	9.84	
11 Butadiene	54	4.051	4.051	0.000	91	245025	10.0	10.6	
12 Bromomethane	94	4.788	4.788	0.000	98	475843	10.0	10.3	
13 Chloroethane	64	5.049	5.049	0.000	97	170280	10.0	11.2	
14 2-Methylbutane	43	5.118	5.118	0.000	87	255298	10.0	9.79	
15 Vinyl bromide	106	5.460	5.460	0.000	98	561305	10.0	9.90	
16 Trichlorofluoromethane	101	5.567	5.567	0.000	87	1699573	10.0	9.70	
17 Pentane	43	5.722	5.722	0.000	94	400709	10.0	10.1	
19 Ethanol	45	6.223	6.223	0.000	99	153806	15.0	17.7	
21 Ethyl ether	59	6.287	6.287	0.000	85	217462	10.0	10.1	
22 Acrolein	56	6.704	6.704	0.000	97	95702	10.0	9.90	
23 1,1,2-Trichloro-1,2,2-trif	101	6.714	6.714	0.000	89	1030395	10.0	9.74	
18 BFB									
24 1,1-Dichloroethene	96	6.752	6.752	0.000	89	480280	10.0	9.97	
25 Acetone	43	7.034	7.034	0.000	88	384248	10.0	9.42	
26 Carbon disulfide	76	7.141	7.141	0.000	98	1033516	10.0	10.3	
27 Isopropyl alcohol	45	7.355	7.355	0.000	98	286554	10.0	9.58	
29 3-Chloro-1-propene	41	7.584	7.584	0.000	80	306295	10.0	9.61	
30 Acetonitrile	41	7.750	7.750	0.000	99	143906	10.0	9.85	
31 Methylene Chloride	49	7.894	7.894	0.000	73	297594	10.0	10.1	
32 2-Methyl-2-propanol	59	8.155	8.155	0.000	98	565565	10.0	9.97	
33 Methyl tert-butyl ether	73	8.310	8.310	0.000	94	1235882	10.0	10.1	
34 trans-1,2-Dichloroethene	61	8.342	8.342	0.000	75	491661	10.0	10.0	
35 Acrylonitrile	53	8.529	8.529	0.000	94	189958	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	8.732	8.732	0.000	88	447714	10.0	9.58	
37 1,1-Dichloroethane	63	9.260	9.260	0.000	99	653843	10.0	9.34	
38 Vinyl acetate	43	9.351	9.351	0.000	99	715380	10.0	10.3	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.4	
39 cis-1,2-Dichloroethene	96	10.418	10.418	0.000	90	583088	10.0	9.39	
40 2-Butanone (MEK)	72	10.498	10.498	0.000	97	208740	10.0	9.01	
42 Ethyl acetate	88	10.541	10.541	0.000	99	41815	10.0	9.94	
* 43 Chlorobromomethane	128	10.909	10.909	0.000	64	549061	10.0	10.0	
44 Tetrahydrofuran	42	10.925	10.925	0.000	78	299874	10.0	10.2	
45 Chloroform	83	11.048	11.048	0.000	99	1231914	10.0	9.56	
46 Cyclohexane	84	11.283	11.283	0.000	78	721067	10.0	9.50	
47 1,1,1-Trichloroethane	97	11.325	11.325	0.000	89	1585942	10.0	9.74	
48 Carbon tetrachloride	117	11.581	11.581	0.000	96	1883091	10.0	9.49	
51 Isooctane	57	12.035	12.035	0.000	98	1949756	10.0	9.43	
50 Benzene	78	12.083	12.083	0.000	94	1623140	10.0	9.34	
52 1,2-Dichloroethane	62	12.286	12.286	0.000	99	793604	10.0	9.84	
53 n-Heptane	43	12.451	12.451	0.000	81	621477	10.0	9.19	
* 54 1,4-Difluorobenzene	114	12.980	12.980	0.000	91	2928743	10.0	10.0	
55 n-Butanol	56	13.423	13.423	0.000	84	193507	10.0	9.05	
56 Trichloroethene	95	13.460	13.460	0.000	92	963763	10.0	9.03	
A 57 GRO	1	13.487	(5.108-21.865)		0	227096616	10.0	0	
58 1,2-Dichloropropane	63	14.058	14.058	0.000	89	569040	10.0	9.37	
59 Methyl methacrylate	69	14.234	14.234	0.000	76	618084	10.0	9.83	
60 1,4-Dioxane	88	14.303	14.303	0.000	72	282163	10.0	9.27	
61 Dibromomethane	174	14.325	14.325	0.000	86	1290620	10.0	9.22	
62 Dichlorobromomethane	83	14.629	14.629	0.000	97	1678374	10.0	9.71	
A 63 TVOC as Toluene	1	15.267	(3.171-27.362)		0	458741161	10.0	2748.8	
64 cis-1,3-Dichloropropene	75	15.589	15.589	0.000	88	1073084	10.0	9.69	
65 4-Methyl-2-pentanone (MIBK	43	15.894	15.894	0.000	91	959279	10.0	9.87	
A 67 Toluene Range	1	16.182	(16.142-16.222)		0	10769325	NC	NC	
66 Toluene	92	16.182	16.182	0.000	93	1595401	10.0	9.28	
A 69 C8 Range	1	16.225	(16.175-16.275)		0	10769325	NC	NC	
68 n-Octane	43	16.225	16.225	0.000	80	1017449	10.0	9.20	
70 trans-1,3-Dichloropropene	75	16.796	16.796	0.000	93	1208652	10.0	9.38	
71 1,1,2-Trichloroethane	83	17.180	17.180	0.000	92	704376	10.0	9.28	
72 Tetrachloroethene	166	17.265	17.265	0.000	88	2013753	10.0	9.09	
73 2-Hexanone	43	17.639	17.639	0.000	90	943662	10.0	9.69	
74 Chlorodibromomethane	129	17.948	17.948	0.000	96	2230517	10.0	9.51	
75 Ethylene Dibromide	107	18.221	18.221	0.000	99	1653239	10.0	9.29	
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	78	3016254	10.0	10.0	
77 Chlorobenzene	112	19.181	19.181	0.000	98	2493008	10.0	9.09	
78 Ethylbenzene	91	19.325	19.325	0.000	96	3748870	10.0	9.24	
79 n-Nonane	57	19.432	19.432	0.000	79	1200173	10.0	9.24	
81 m-Xylene & p-Xylene	106	19.576	19.576	0.000	99	3290103	20.0	18.8	
S 82 Xylenes, Total	106				0		30.0	28.2	
83 o-Xylene	106	20.387	20.387	0.000	95	1605560	10.0	9.39	
84 Styrene	104	20.435	20.435	0.000	97	2505237	10.0	9.47	
85 Bromoform	173	20.836	20.836	0.000	99	2648724	10.0	9.78	
86 Isopropylbenzene	105	21.022	21.022	0.000	94	4855934	10.0	9.57	
$ 87 4-Bromofluorobenzene	95	21.375	21.375	0.000	96	2039517	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.642	21.642	0.000	95	1901211	10.0	9.24	
90 N-Propylbenzene	91	21.706	21.706	0.000	99	5304748	10.0	9.53	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	21.738	21.738	0.000	89	1524352	10.0	9.95	
93 n-Decane	57	21.855	21.855	0.000	81	1533410	10.0	9.90	
91 4-Ethyltoluene	105	21.882	21.882	0.000	95	4904491	10.0	9.61	
92 2-Chlorotoluene	91	21.898	21.898	0.000	96	3824703	10.0	9.58	
94 1,3,5-Trimethylbenzene	105	21.983	21.983	0.000	93	4274387	10.0	9.46	
95 Alpha Methyl Styrene	118	22.341	22.341	0.000	90	2258930	10.0	9.91	
96 tert-Butylbenzene	119	22.458	22.458	0.000	95	4402452	10.0	9.55	
97 1,2,4-Trimethylbenzene	105	22.549	22.549	0.000	95	4342420	10.0	9.44	
98 sec-Butylbenzene	105	22.768	22.768	0.000	99	6094822	10.0	9.77	
99 4-Isopropyltoluene	119	22.965	22.965	0.000	92	5722861	10.0	9.75	
100 1,3-Dichlorobenzene	146	23.008	23.008	0.000	99	3557726	10.0	9.34	
101 1,4-Dichlorobenzene	146	23.141	23.141	0.000	97	3572569	10.0	9.34	
102 Benzyl chloride	91	23.349	23.349	0.000	100	3809390	10.0	10.1	
103 n-Butylbenzene	91	23.557	23.557	0.000	97	4271676	10.0	9.67	
104 Undecane	57	23.563	23.563	0.000	87	1659292	10.0	10.9	
105 1,2-Dichlorobenzene	146	23.696	23.696	0.000	100	3374859	10.0	9.30	
106 Dodecane	57	25.212	25.212	0.000	89	1234426	10.0	9.88	
107 1,2,4-Trichlorobenzene	180	26.322	26.322	0.000	93	2789041	10.0	9.65	
108 Hexachlorobutadiene	225	26.509	26.509	0.000	95	2647072	10.0	9.91	
109 Naphthalene	128	26.850	26.850	0.000	99	5325572	10.0	9.71	
110 1,2,3-Trichlorobenzene	180	27.352	27.352	0.000	95	2371724	10.0	9.49	

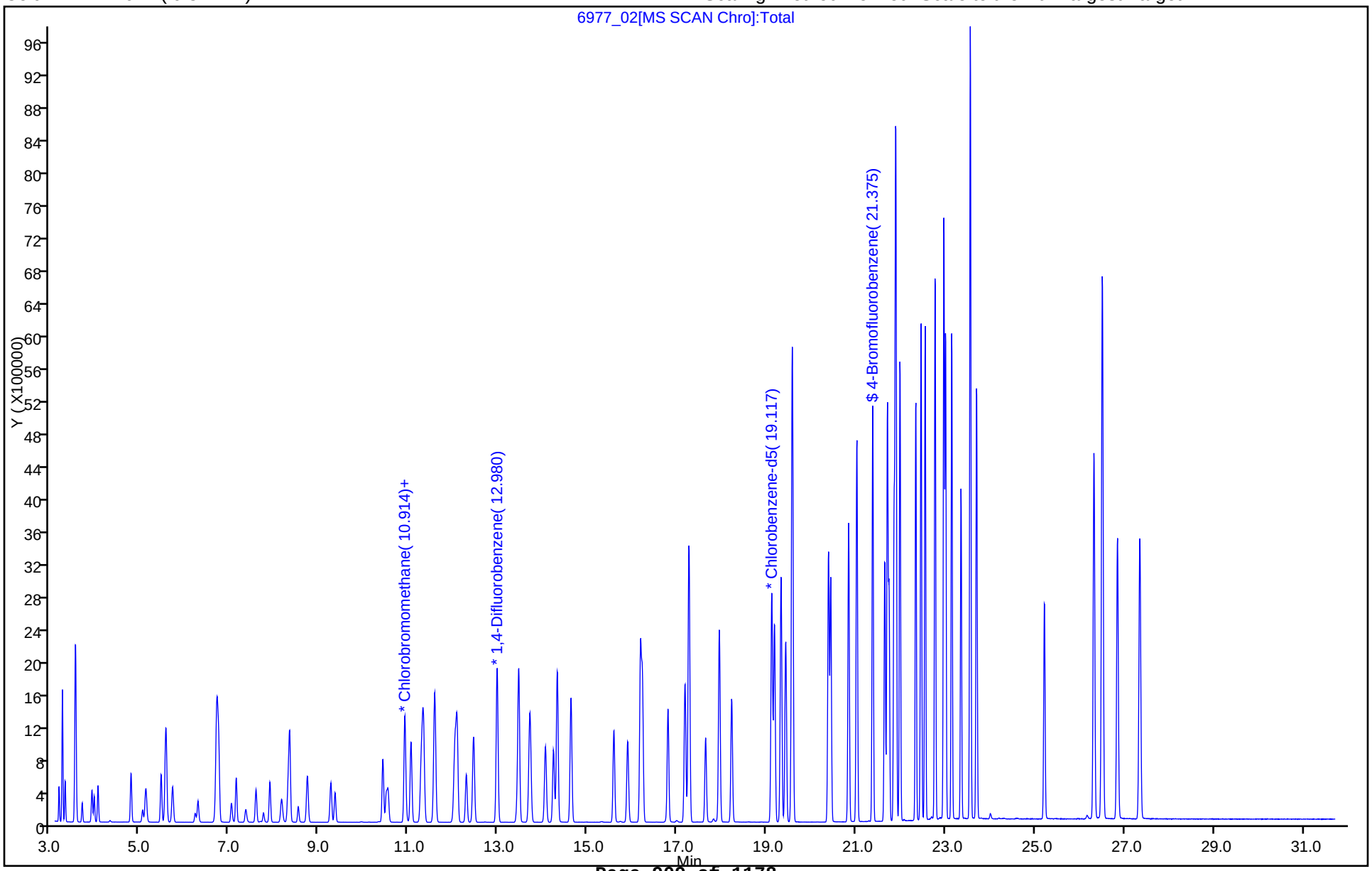
Report Date: 10-Apr-2014 15:24:56 Chrom Revision: 2.2 07-Apr-2014 11:51:18

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_02.D

Injection Date:	10-Apr-2014 14:14:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Lab Sample ID: CCVIS 200-70660/2 Calibration Date: 04/11/2014 12:35

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 7002_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.3474	0.3659		10.5	10.0	5.3	30.0
Freon 12	Ave	2.576	2.893		11.2	10.0	12.3	30.0
Freon 22	Ave	0.8659	0.9818		11.3	10.0	13.4	30.0
Freon-114	Ave	2.252	2.365		10.5	10.0	5.0	30.0
Chloromethane	Ave	0.4260	0.4766		11.2	10.0	11.9	30.0
n-Butane	Ave	0.6804	0.7401		10.9	10.0	8.8	30.0
Vinyl chloride	Ave	0.6474	0.6619		10.2	10.0	2.2	30.0
1,3-Butadiene	Ave	0.4221	0.4625		11.0	10.0	9.6	30.0
Bromomethane	Ave	0.8427	0.8798		10.4	10.0	4.4	30.0
Chloroethane	Ave	0.2775	0.3098		11.2	10.0	11.7	30.0
Isopentane	Ave	0.4748	0.4757		10.0	10.0	0.2	30.0
Vinyl bromide	Ave	1.033	1.019		9.87	10.0	-1.3	30.0
Freon 11	Ave	3.192	3.156		9.89	10.0	-1.1	30.0
n-Pentane	Ave	0.7211	0.7441		10.3	10.0	3.2	30.0
Ethanol	Ave	0.1583	0.2014		19.1	15.0	27.2	30.0
Ethyl ether	Ave	0.3903	0.4013		10.3	10.0	2.8	30.0
Acrolein	Ave	0.1760	0.1792		10.2	10.0	1.8	30.0
Freon 113	Ave	1.926	1.904		9.88	10.0	-1.2	30.0
1,1-Dichloroethene	Ave	0.8770	0.8820		10.1	10.0	0.6	30.0
Acetone	Ave	0.7425	0.7194		9.69	10.0	-3.1	30.0
Carbon disulfide	Ave	1.832	1.924		10.5	10.0	5.0	30.0
Isopropyl alcohol	Ave	0.5450	0.5540		10.2	10.0	1.6	30.0
Allyl chloride	Ave	0.5807	0.5790		9.97	10.0	-0.3	30.0
Acetonitrile	Ave	0.2661	0.2588		9.72	10.0	-2.8	30.0
Methylene Chloride	Ave	0.5364	0.5588		10.4	10.0	4.2	30.0
tert-Butyl alcohol	Ave	1.033	1.090		10.5	10.0	5.5	30.0
Methyl tert-butyl ether	Ave	2.232	2.310		10.3	10.0	3.5	30.0
trans-1,2-Dichloroethene	Ave	0.8935	0.9122		10.2	10.0	2.1	30.0
Acrylonitrile	Ave	0.3373	0.3553		10.5	10.0	5.3	30.0
Hexane	Ave	0.8515	0.8424		9.89	10.0	-1.1	30.0
1,1-Dichloroethane	Ave	1.275	1.237		9.70	10.0	-3.0	30.0
Vinyl acetate	Ave	1.266	1.327		10.5	10.0	4.8	30.0
cis-1,2-Dichloroethene	Ave	1.131	1.084		9.59	10.0	-4.1	30.0
Methyl Ethyl Ketone	Ave	0.4221	0.3798		9.00	10.0	-10.0	30.0
Ethyl acetate	Ave	0.0766	0.0775		10.1	10.0	1.1	30.0
Tetrahydrofuran	Ave	0.1007	0.1036		10.3	10.0	2.9	30.0
Chloroform	Ave	2.347	2.265		9.65	10.0	-3.5	30.0
Cyclohexane	Ave	0.2591	0.2490		9.61	10.0	-3.9	30.0
1,1,1-Trichloroethane	Ave	0.5558	0.5451		9.81	10.0	-1.9	30.0
Carbon tetrachloride	Ave	0.6775	0.6438		9.50	10.0	-5.0	30.0
2,2,4-Trimethylpentane	Ave	0.7063	0.6745		9.55	10.0	-4.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Lab Sample ID: CCVIS 200-70660/2 Calibration Date: 04/11/2014 12:35

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 7002_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5935	0.5558		9.36	10.0	-6.3	30.0
1,2-Dichloroethane	Ave	0.2755	0.2739		9.94	10.0	-0.6	30.0
Heptane	Ave	0.2309	0.2154		9.33	10.0	-6.7	30.0
n-Butanol	Ave	0.0730	0.0685		9.38	10.0	-6.2	30.0
Trichloroethene	Ave	0.3644	0.3294		9.04	10.0	-9.6	30.0
1,2-Dichloropropane	Ave	0.2073	0.1925		9.29	10.0	-7.1	30.0
Methyl methacrylate	Ave	0.2148	0.2088		9.72	10.0	-2.8	30.0
1,4-Dioxane	Ave	0.1040	0.0975		9.38	10.0	-6.2	30.0
Dibromomethane	Ave	0.4782	0.4367		9.13	10.0	-8.7	30.0
Bromodichloromethane	Ave	0.5900	0.5691		9.64	10.0	-3.5	30.0
cis-1,3-Dichloropropene	Ave	0.3783	0.3647		9.64	10.0	-3.6	30.0
methyl isobutyl ketone	Ave	0.3319	0.3309		9.97	10.0	-0.3	30.0
Toluene	Ave	0.5698	0.5284		9.27	10.0	-7.3	30.0
n-Octane	Ave	0.3778	0.3494		9.25	10.0	-7.5	30.0
trans-1,3-Dichloropropene	Ave	0.4400	0.4140		9.41	10.0	-5.9	30.0
1,1,2-Trichloroethane	Ave	0.2515	0.2367		9.41	10.0	-5.9	30.0
Tetrachloroethene	Ave	0.7342	0.6590		8.97	10.0	-10.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3229	0.3192		9.88	10.0	-1.1	30.0
Dibromochloromethane	Ave	0.7776	0.7361		9.46	10.0	-5.3	30.0
1,2-Dibromoethane	Ave	0.5898	0.5449		9.24	10.0	-7.6	30.0
Chlorobenzene	Ave	0.9095	0.8221		9.04	10.0	-9.6	30.0
Ethylbenzene	Ave	1.345	1.241		9.23	10.0	-7.7	30.0
n-Nonane	Ave	0.4307	0.4030		9.36	10.0	-6.4	30.0
m,p-Xylene	Ave	0.5802	0.5440		18.7	20.0	-6.2	30.0
Xylene, o-	Ave	0.5671	0.5319		9.38	10.0	-6.2	30.0
Styrene	Ave	0.8767	0.8248		9.41	10.0	-5.9	30.0
Bromoform	Ave	0.8979	0.8688		9.67	10.0	-3.2	30.0
Cumene	Ave	1.682	1.605		9.54	10.0	-4.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6820	0.6322		9.27	10.0	-7.3	30.0
n-Propylbenzene	Ave	1.846	1.756		9.51	10.0	-4.9	30.0
1,2,3-Trichloropropane	Ave	0.5078	0.5061		9.97	10.0	-0.3	30.0
n-Decane	Ave	0.5136	0.5180		10.1	10.0	0.8	30.0
4-Ethyltoluene	Ave	1.692	1.624		9.60	10.0	-4.0	30.0
2-Chlorotoluene	Ave	1.323	1.264		9.55	10.0	-4.5	30.0
1,3,5-Trimethylbenzene	Ave	1.498	1.405		9.38	10.0	-6.2	30.0
Alpha Methyl Styrene	Ave	0.7556	0.7451		9.86	10.0	-1.4	30.0
tert-Butylbenzene	Ave	1.528	1.450		9.48	10.0	-5.1	30.0
1,2,4-Trimethylbenzene	Ave	1.526	1.434		9.40	10.0	-6.0	30.0
sec-Butylbenzene	Ave	2.067	2.009		9.72	10.0	-2.8	30.0
4-Isopropyltoluene	Ave	1.945	1.874		9.63	10.0	-3.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Lab Sample ID: CCVIS 200-70660/2 Calibration Date: 04/11/2014 12:35

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 7002_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.263	1.172		9.28	10.0	-7.2	30.0
1,4-Dichlorobenzene	Ave	1.268	1.169		9.22	10.0	-7.8	30.0
Benzyl chloride	Ave	1.250	1.254		10.0	10.0	0.3	30.0
n-Butylbenzene	Ave	1.465	1.413		9.64	10.0	-3.5	30.0
n-Undecane	Ave	0.5065	0.5568		11.0	10.0	9.9	30.0
1,2-Dichlorobenzene	Ave	1.203	1.099		9.13	10.0	-8.6	30.0
n-Dodecane	Ave	0.4140	0.3963		9.57	10.0	-4.3	30.0
1,2,4-Trichlorobenzene	Ave	0.9580	0.9121		9.52	10.0	-4.8	30.0
Hexachloro-1,3-butadiene	Ave	0.8855	0.8520		9.62	10.0	-3.8	30.0
Naphthalene	Ave	1.818	1.753		9.64	10.0	-3.6	30.0
1,2,3-Trichlorobenzene	Ave	0.8287	0.7740		9.34	10.0	-6.6	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_02.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 11-Apr-2014 12:35:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0007002-002
Misc. Info.: ccvis
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 14:25:39 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 14:25:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.176	3.176	0.000	96	194263	10.0	10.5	
2 Dichlorodifluoromethane	85	3.250	3.250	0.000	88	1535728	10.0	11.2	
6 Chlorodifluoromethane	51	3.309	3.309	0.000	77	521222	10.0	11.3	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.539	3.539	0.000	82	1255263	10.0	10.5	
8 Chloromethane	50	3.693	3.693	0.000	89	252988	10.0	11.2	
9 Butane	43	3.907	3.907	0.000	97	392917	10.0	10.9	
10 Vinyl chloride	62	3.960	3.960	0.000	82	351377	10.0	10.2	
11 Butadiene	54	4.046	4.046	0.000	90	245507	10.0	11.0	
12 Bromomethane	94	4.782	4.782	0.000	99	467037	10.0	10.4	
13 Chloroethane	64	5.044	5.044	0.000	96	164481	10.0	11.2	
14 2-Methylbutane	43	5.118	5.118	0.000	86	252552	10.0	10.0	
15 Vinyl bromide	106	5.455	5.455	0.000	97	541156	10.0	9.87	
16 Trichlorofluoromethane	101	5.561	5.561	0.000	86	1675575	10.0	9.89	
17 Pentane	43	5.711	5.711	0.000	95	395028	10.0	10.3	
19 Ethanol	45	6.218	6.218	0.000	98	160465	15.0	19.1	
21 Ethyl ether	59	6.282	6.282	0.000	86	213041	10.0	10.3	
22 Acrolein	56	6.693	6.693	0.000	97	95120	10.0	10.2	
23 1,1,2-Trichloro-1,2,2-trif	101	6.703	6.703	0.000	89	1010631	10.0	9.88	
18 BFB									
24 1,1-Dichloroethene	96	6.751	6.751	0.000	82	468241	10.0	10.1	
25 Acetone	43	7.029	7.029	0.000	87	381911	10.0	9.69	
26 Carbon disulfide	76	7.136	7.136	0.000	98	1021247	10.0	10.5	
27 Isopropyl alcohol	45	7.349	7.349	0.000	98	294075	10.0	10.2	
29 3-Chloro-1-propene	41	7.584	7.584	0.000	81	307380	10.0	9.97	
30 Acetonitrile	41	7.744	7.744	0.000	98	137399	10.0	9.72	
31 Methylene Chloride	49	7.888	7.888	0.000	77	296630	10.0	10.4	
32 2-Methyl-2-propanol	59	8.150	8.150	0.000	98	578441	10.0	10.5	
33 Methyl tert-butyl ether	73	8.304	8.304	0.000	94	1226058	10.0	10.3	
34 trans-1,2-Dichloroethene	61	8.336	8.336	0.000	75	484248	10.0	10.2	
35 Acrylonitrile	53	8.529	8.529	0.000	96	188593	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	8.731	8.731	0.000	88	447176	10.0	9.89	
37 1,1-Dichloroethane	63	9.254	9.254	0.000	94	656815	10.0	9.70	
38 Vinyl acetate	43	9.345	9.345	0.000	99	704356	10.0	10.5	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.8	
39 cis-1,2-Dichloroethene	96	10.418	10.418	0.000	89	575555	10.0	9.59	
40 2-Butanone (MEK)	72	10.493	10.493	0.000	96	201622	10.0	9.00	
42 Ethyl acetate	88	10.535	10.535	0.000	99	41128	10.0	10.1	
* 43 Chlorobromomethane	128	10.909	10.909	0.000	66	530972	10.0	10.0	
44 Tetrahydrofuran	42	10.920	10.920	0.000	78	296652	10.0	10.3	
45 Chloroform	83	11.048	11.048	0.000	99	1202416	10.0	9.65	
46 Cyclohexane	84	11.277	11.277	0.000	79	713384	10.0	9.61	
47 1,1,1-Trichloroethane	97	11.325	11.325	0.000	93	1561569	10.0	9.81	
48 Carbon tetrachloride	117	11.581	11.581	0.000	88	1844348	10.0	9.50	
51 Isooctane	57	12.035	12.035	0.000	98	1932160	10.0	9.55	
50 Benzene	78	12.078	12.078	0.000	94	1592257	10.0	9.36	
52 1,2-Dichloroethane	62	12.286	12.286	0.000	99	784572	10.0	9.94	
53 n-Heptane	43	12.446	12.446	0.000	80	616976	10.0	9.33	
* 54 1,4-Difluorobenzene	114	12.974	12.974	0.000	91	2865209	10.0	10.0	
55 n-Butanol	56	13.412	13.412	0.000	81	196111	10.0	9.38	
56 Trichloroethene	95	13.460	13.460	0.000	93	943607	10.0	9.04	
A 57 GRO	1	13.484	(5.108-21.859)		0	219812792	10.0	0	
58 1,2-Dichloropropane	63	14.058	14.058	0.000	87	551392	10.0	9.29	
59 Methyl methacrylate	69	14.239	14.239	0.000	77	598259	10.0	9.72	
60 1,4-Dioxane	88	14.303	14.303	0.000	75	279396	10.0	9.38	
61 Dibromomethane	174	14.319	14.319	0.000	89	1251038	10.0	9.13	
62 Dichlorobromomethane	83	14.629	14.629	0.000	98	1630251	10.0	9.64	
A 63 TVOC as Toluene	1	15.261	(3.166-27.357)		0	444216915	10.0	2720.8	
64 cis-1,3-Dichloropropene	75	15.584	15.584	0.000	88	1044742	10.0	9.64	
65 4-Methyl-2-pentanone (MIBK	43	15.894	15.894	0.000	91	947970	10.0	9.97	
A 67 Toluene Range	1	16.182	(16.142-16.222)		0	10508295	NC	NC	
66 Toluene	92	16.182	16.182	0.000	93	1545767	10.0	9.27	
A 69 C8 Range	1	16.224	(16.174-16.274)		0	10508295	NC	NC	
68 n-Octane	43	16.224	16.224	0.000	79	1000787	10.0	9.25	
70 trans-1,3-Dichloropropene	75	16.795	16.795	0.000	91	1186005	10.0	9.41	
71 1,1,2-Trichloroethane	83	17.180	17.180	0.000	90	692328	10.0	9.41	
72 Tetrachloroethene	166	17.265	17.265	0.000	88	1927749	10.0	8.97	
73 2-Hexanone	43	17.639	17.639	0.000	91	933900	10.0	9.88	
74 Chlorodibromomethane	129	17.943	17.943	0.000	96	2153453	10.0	9.46	
75 Ethylene Dibromide	107	18.220	18.220	0.000	99	1593984	10.0	9.24	
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	76	2925940	10.0	10.0	
77 Chlorobenzene	112	19.176	19.176	0.000	97	2405037	10.0	9.04	
78 Ethylbenzene	91	19.325	19.325	0.000	96	3629984	10.0	9.23	
79 n-Nonane	57	19.427	19.427	0.000	79	1179033	10.0	9.36	
81 m-Xylene & p-Xylene	106	19.576	19.576	0.000	99	3182715	20.0	18.7	
S 82 Xylenes, Total	106				0		30.0	28.1	
83 o-Xylene	106	20.387	20.387	0.000	95	1555884	10.0	9.38	
84 Styrene	104	20.435	20.435	0.000	98	2412929	10.0	9.41	
85 Bromoform	173	20.835	20.835	0.000	99	2541548	10.0	9.67	
86 Isopropylbenzene	105	21.017	21.017	0.000	94	4693947	10.0	9.54	
$ 87 4-Bromofluorobenzene	95	21.375	21.375	0.000	95	1988764	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.641	21.641	0.000	94	1849424	10.0	9.27	
90 N-Propylbenzene	91	21.705	21.705	0.000	99	5135964	10.0	9.51	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	21.737	21.737	0.000	90	1480546	10.0	9.97	
93 n-Decane	57	21.849	21.849	0.000	82	1515378	10.0	10.1	
91 4-Ethyltoluene	105	21.882	21.882	0.000	94	4751545	10.0	9.60	
92 2-Chlorotoluene	91	21.898	21.898	0.000	96	3696833	10.0	9.55	
94 1,3,5-Trimethylbenzene	105	21.983	21.983	0.000	93	4109622	10.0	9.38	
95 Alpha Methyl Styrene	118	22.335	22.335	0.000	90	2179634	10.0	9.86	
96 tert-Butylbenzene	119	22.458	22.458	0.000	92	4241465	10.0	9.48	
97 1,2,4-Trimethylbenzene	105	22.549	22.549	0.000	96	4194911	10.0	9.40	
98 sec-Butylbenzene	105	22.767	22.767	0.000	99	5878269	10.0	9.72	
99 4-Isopropyltoluene	119	22.965	22.965	0.000	93	5482398	10.0	9.63	
100 1,3-Dichlorobenzene	146	23.002	23.002	0.000	99	3429097	10.0	9.28	
101 1,4-Dichlorobenzene	146	23.141	23.141	0.000	97	3419482	10.0	9.22	
102 Benzyl chloride	91	23.349	23.349	0.000	100	3668232	10.0	10.0	
103 n-Butylbenzene	91	23.552	23.552	0.000	97	4133615	10.0	9.64	
104 Undecane	57	23.563	23.563	0.000	87	1628743	10.0	11.0	
105 1,2-Dichlorobenzene	146	23.696	23.696	0.000	99	3214295	10.0	9.13	
106 Dodecane	57	25.212	25.212	0.000	90	1159341	10.0	9.57	
107 1,2,4-Trichlorobenzene	180	26.322	26.322	0.000	91	2668316	10.0	9.52	
108 Hexachlorobutadiene	225	26.509	26.509	0.000	95	2492450	10.0	9.62	
109 Naphthalene	128	26.845	26.845	0.000	99	5126837	10.0	9.64	
110 1,2,3-Trichlorobenzene	180	27.347	27.347	0.000	96	2264299	10.0	9.34	

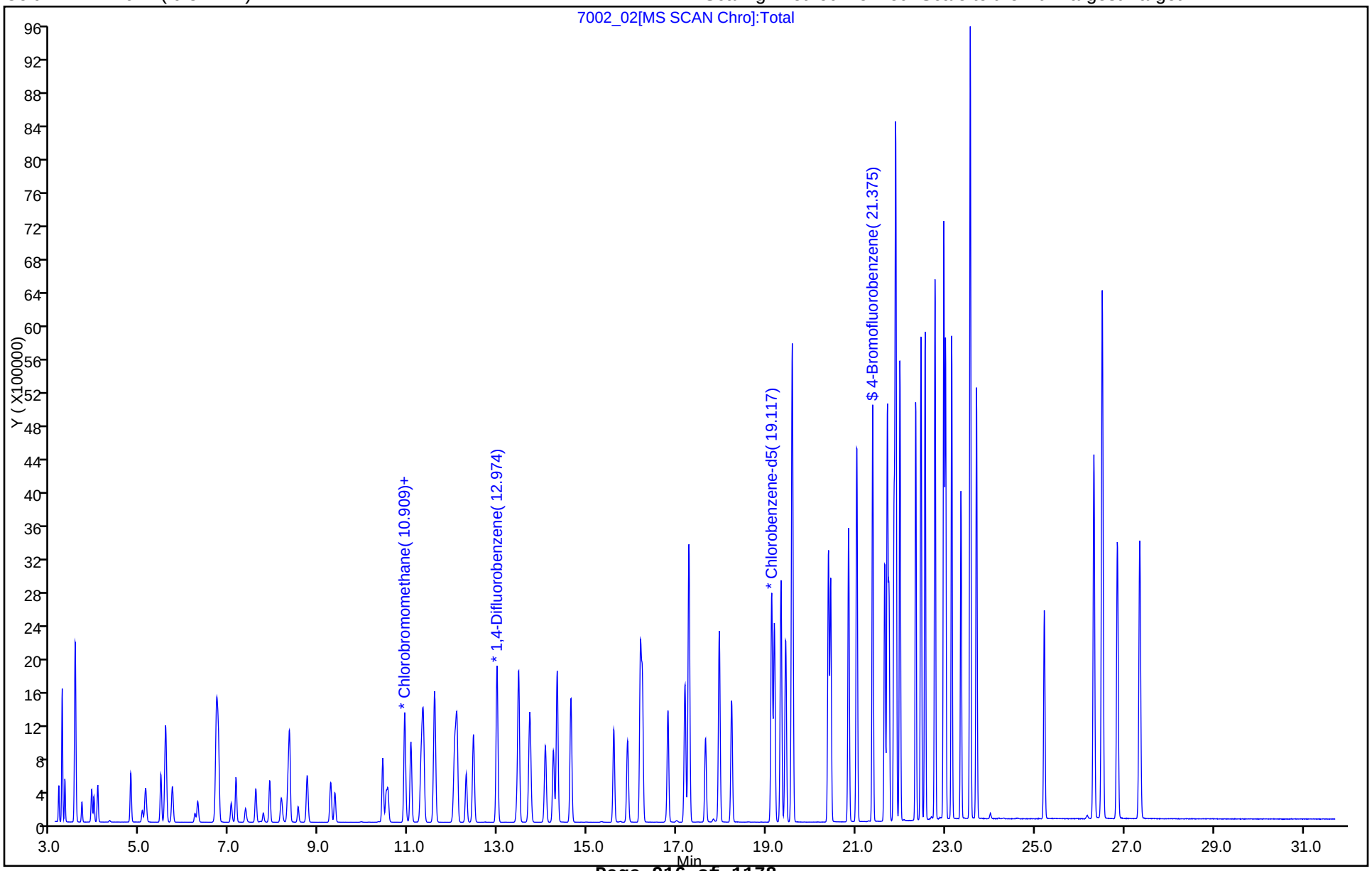
Report Date: 11-Apr-2014 14:25:39 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_02.D

Injection Date:	11-Apr-2014 12:35:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_01.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	18-Mar-2014 07:56:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0006584-001				
Misc. Info.:	bfb				
Operator ID:	wrd	Instrument ID:	CHC.i		
Method:	\\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\TO15_LLNJ_TO3_CHC.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	24-Mar-2014 10:03:02	Calib Date:	18-Mar-2014 16:40:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK007				
First Level Reviewer: desjardinsb		Date:	18-Mar-2014 08:31:31		

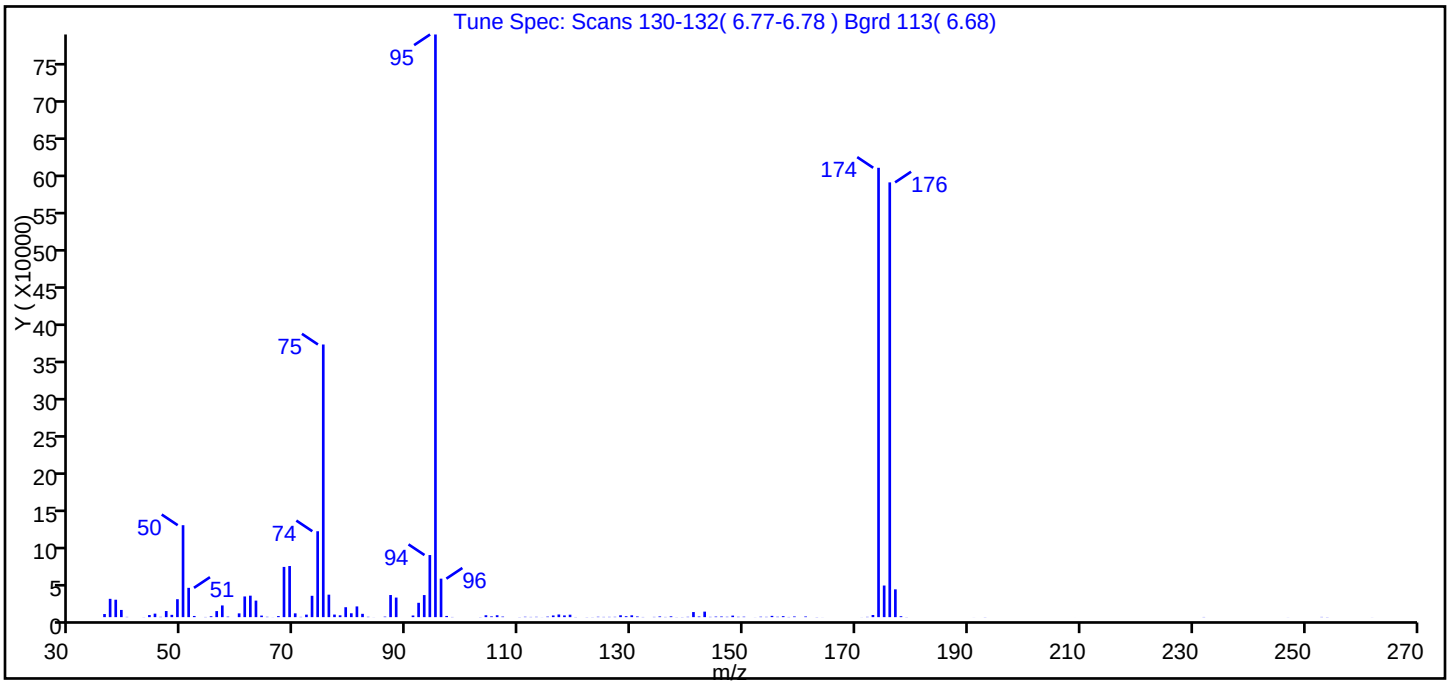
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
18 BFB								
* 43 Chlorobromomethane	128		10.920					
* 54 1,4-Difluorobenzene	114		12.985					
* 76 Chlorobenzene-d5	117		19.128					
$ 87 4-Bromofluorobenzene	95		21.380					

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_01.D
Injection Date: 18-Mar-2014 07:56:30 Instrument ID: CHC.i
Lims ID: BFB
Client ID:
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

18 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	15.80
75	30.00 - 66.00% of mass 95	46.80
96	5.00 - 9.00% of mass 95	6.60
173	Less than 2.00% of mass 174	0.40 (0.50)
174	50.00 - 120.00% of mass 95	77.10
175	4.00 - 9.00% of mass 174	5.40 (7.00)
176	93.00 - 101.00% of mass 174	74.60 (96.80)
177	5.00 - 9.00% of mass 176	4.80 (6.40)

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_01.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 18-Mar-2014 07:56:30
Spectrum: Tune Spec: Scans 130-132(6.77-6.78) Bgrd 113(6.68)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 128

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4207	72.00	3402	113.00	439	147.00	496
37.00	24808	73.00	28920	114.00	88	148.00	2077
38.00	23608	74.00	116392	115.00	695	149.00	460
39.00	9774	75.00	369408	116.00	2287	150.00	609
40.00	341	76.00	30464	117.00	3586	152.00	95
43.00	133	77.00	3486	118.00	2335	153.00	578
44.00	2828	78.00	2478	119.00	3294	154.00	403
45.00	4753	79.00	13453	120.00	209	155.00	1731
46.00	406	80.00	5254	122.00	169	156.00	511
47.00	8278	81.00	14527	123.00	155	157.00	1349
48.00	3107	82.00	4499	124.00	516	158.00	255
49.00	24304	83.00	477	125.00	326	159.00	924
50.00	124584	84.00	80	126.00	365	161.00	907
51.00	39704	86.00	709	127.00	430	163.00	195
52.00	1588	87.00	29968	128.00	2542	164.00	74
54.00	253	88.00	26520	129.00	1241	171.00	79
55.00	1238	91.00	2209	130.00	2500	172.00	377
56.00	8211	92.00	19432	131.00	907	173.00	2906
57.00	15859	93.00	29896	132.00	240	174.00	608832
58.00	696	94.00	84120	134.00	344	175.00	42840
60.00	5109	95.00	789440	135.00	994	176.00	589056
61.00	28040	96.00	52160	136.00	283	177.00	37672
62.00	29096	97.00	1615	137.00	1115	178.00	1260
63.00	22400	98.00	245	138.00	147	179.00	162
64.00	2126	103.00	180	139.00	198	191.00	56
65.00	459	104.00	2556	140.00	441	193.00	155
66.00	83	105.00	1036	141.00	6897	209.00	15
67.00	1422	106.00	2579	142.00	834	232.00	236
68.00	68056	107.00	753	143.00	7460	247.00	68
69.00	69256	110.00	175	144.00	380	253.00	302
70.00	5124	111.00	517	145.00	756	254.00	191
71.00	345	112.00	296	146.00	860	262.00	75

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_01.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	10-Apr-2014 13:21:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0006977-001				
Misc. Info.:	bfb				
Operator ID:	wrd	Instrument ID:	CHC.i		
Method:	\\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	10-Apr-2014 13:37:54	Calib Date:	18-Mar-2014 16:40:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK007				
First Level Reviewer: desjardinsb		Date:	10-Apr-2014 13:37:53		

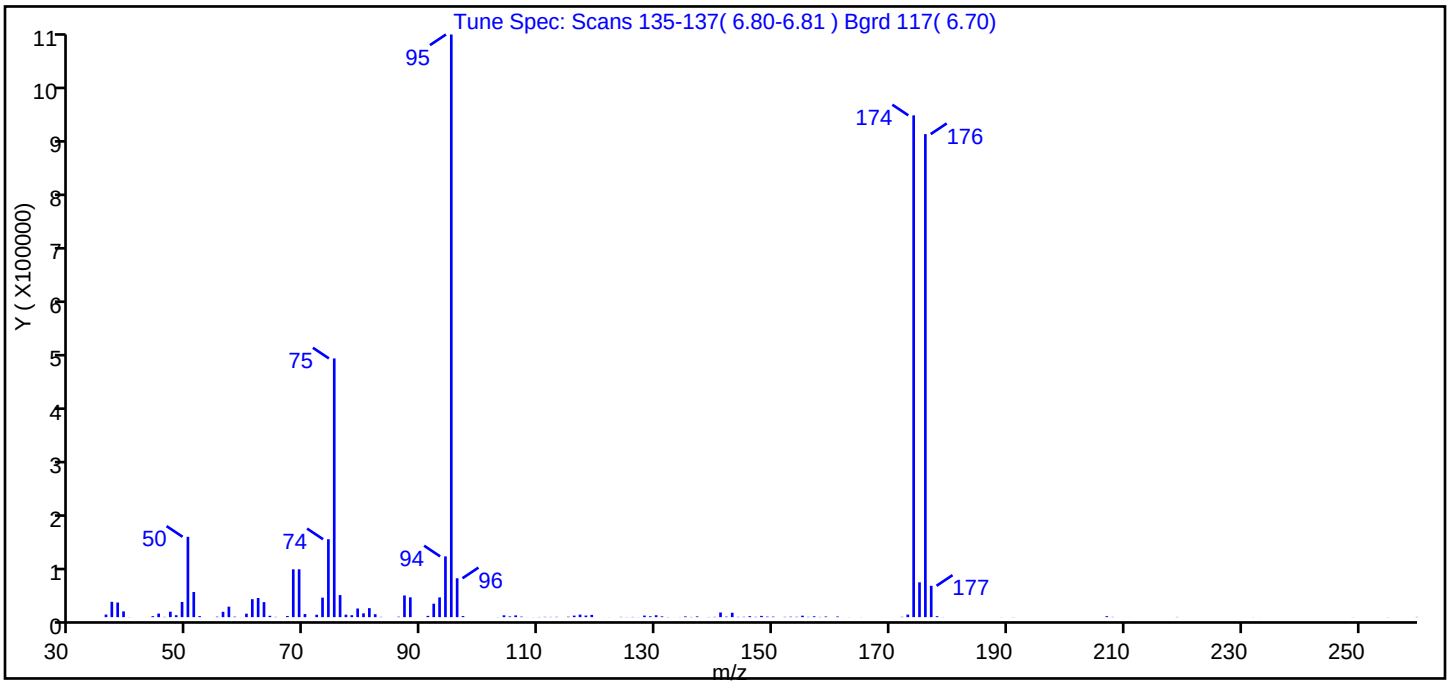
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
18 BFB									
* 43 Chlorobromomethane	128		10.909						
* 54 1,4-Difluorobenzene	114		12.980						
* 76 Chlorobenzene-d5	117		19.117						
$ 87 4-Bromofluorobenzene	95		21.375						

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_01.D
Injection Date: 10-Apr-2014 13:21:30 Instrument ID: CHC.i
Lims ID: BFB
Client ID:
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

18 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	13.80
75	30.00 - 66.00% of mass 95	44.40
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.40 (0.50)
174	50.00 - 120.00% of mass 95	86.10
175	4.00 - 9.00% of mass 174	6.00 (6.90)
176	93.00 - 101.00% of mass 174	82.90 (96.30)
177	5.00 - 9.00% of mass 176	5.40 (6.50)

Report Date: 10-Apr-2014 13:37:54 Chrom Revision: 2.2 07-Apr-2014 11:51:18

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_01.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 10-Apr-2014 13:21:30
Spectrum: Tune Spec: Scans 135-137(6.80-6.81) Bgrd 117(6.70)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 130

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4537	75.00	456512	118.00	2847	155.00	2516
37.00	27040	76.00	38952	119.00	3982	156.00	532
38.00	25760	77.00	4344	121.00	68	157.00	1512
39.00	10187	78.00	3413	122.00	130	158.00	392
40.00	209	79.00	15270	124.00	466	159.00	1152
44.00	1689	80.00	6731	125.00	237	161.00	1193
45.00	6323	81.00	15914	126.00	412	162.00	69
46.00	478	82.00	5178	127.00	187	163.00	147
47.00	9562	83.00	457	128.00	2768	165.00	151
48.00	3392	86.00	766	129.00	1530	172.00	562
49.00	26824	87.00	38256	130.00	3341	173.00	4530
50.00	141760	88.00	34984	131.00	1361	174.00	885440
51.00	44320	91.00	2250	132.00	289	175.00	61416
52.00	1777	92.00	23736	133.00	69	176.00	852352
55.00	841	93.00	34840	134.00	173	177.00	55328
56.00	9419	94.00	107216	135.00	1312	178.00	1680
57.00	18480	95.00	1028160	136.00	380	179.00	206
58.00	867	96.00	68600	137.00	1307	189.00	135
59.00	77	97.00	1935	139.00	297	191.00	241
60.00	6112	103.00	175	140.00	524	193.00	5
61.00	31728	104.00	3239	141.00	8223	207.00	1710
62.00	33808	105.00	1278	142.00	891	208.00	435
63.00	26520	106.00	3069	143.00	7821	209.00	42
64.00	2328	107.00	884	144.00	540	211.00	69
65.00	460	108.00	94	145.00	615	219.00	384
67.00	2043	109.00	171	146.00	1700	232.00	119
68.00	84368	110.00	326	147.00	554	233.00	66
69.00	84416	111.00	527	148.00	2226	249.00	138
70.00	5456	112.00	433	149.00	881	253.00	43
71.00	83	113.00	547	150.00	900	255.00	202
72.00	4248	115.00	803	152.00	523	260.00	425
73.00	34384	116.00	2711	153.00	788		
74.00	137472	117.00	4472	154.00	603		

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4537	75.00	456512	118.00	2847	155.00	2516
37.00	27040	76.00	38952	119.00	3982	156.00	532
38.00	25760	77.00	4344	121.00	68	157.00	1512
39.00	10187	78.00	3413	122.00	130	158.00	392
40.00	209	79.00	15270	124.00	466	159.00	1152
44.00	1689	80.00	6731	125.00	237	161.00	1193
45.00	6323	81.00	15914	126.00	412	162.00	69
46.00	478	82.00	5178	127.00	187	163.00	147
47.00	9562	83.00	457	128.00	2768	165.00	151
48.00	3392	86.00	766	129.00	1530	172.00	562
49.00	26824	87.00	38256	130.00	3341	173.00	4530
50.00	141760	88.00	34984	131.00	1361	174.00	885440
51.00	44320	91.00	2250	132.00	289	175.00	61416
52.00	1777	92.00	23736	133.00	69	176.00	852352
55.00	841	93.00	34840	134.00	173	177.00	55328
56.00	9419	94.00	107216	135.00	1312	178.00	1680
57.00	18480	95.00	1028160	136.00	380	179.00	206
58.00	867	96.00	68600	137.00	1307	189.00	135
59.00	77	97.00	1935	139.00	297	191.00	241
60.00	6112	103.00	175	140.00	524	193.00	5
61.00	31728	104.00	3239	141.00	8223	207.00	1710
62.00	33808	105.00	1278	142.00	891	208.00	435
63.00	26520	106.00	3069	143.00	7821	209.00	42
64.00	2328	107.00	884	144.00	540	211.00	69
65.00	460	108.00	94	145.00	615	219.00	384
67.00	2043	109.00	171	146.00	1700	232.00	119
68.00	84368	110.00	326	147.00	554	233.00	66
69.00	84416	111.00	527	148.00	2226	249.00	138
70.00	5456	112.00	433	149.00	881	253.00	43
71.00	83	113.00	547	150.00	900	255.00	202
72.00	4248	115.00	803	152.00	523	260.00	425
73.00	34384	116.00	2711	153.00	788		
74.00	137472	117.00	4472	154.00	603		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_01.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	11-Apr-2014 11:42:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0007002-001				
Misc. Info.:	bfb				
Operator ID:	wrd	Instrument ID:	CHC.i		
Method:	\\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\TO15_LLNJ_TO3_CHC.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	11-Apr-2014 11:56:11	Calib Date:	18-Mar-2014 16:40:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK008				
First Level Reviewer: desjardinsb		Date:	11-Apr-2014 11:56:11		

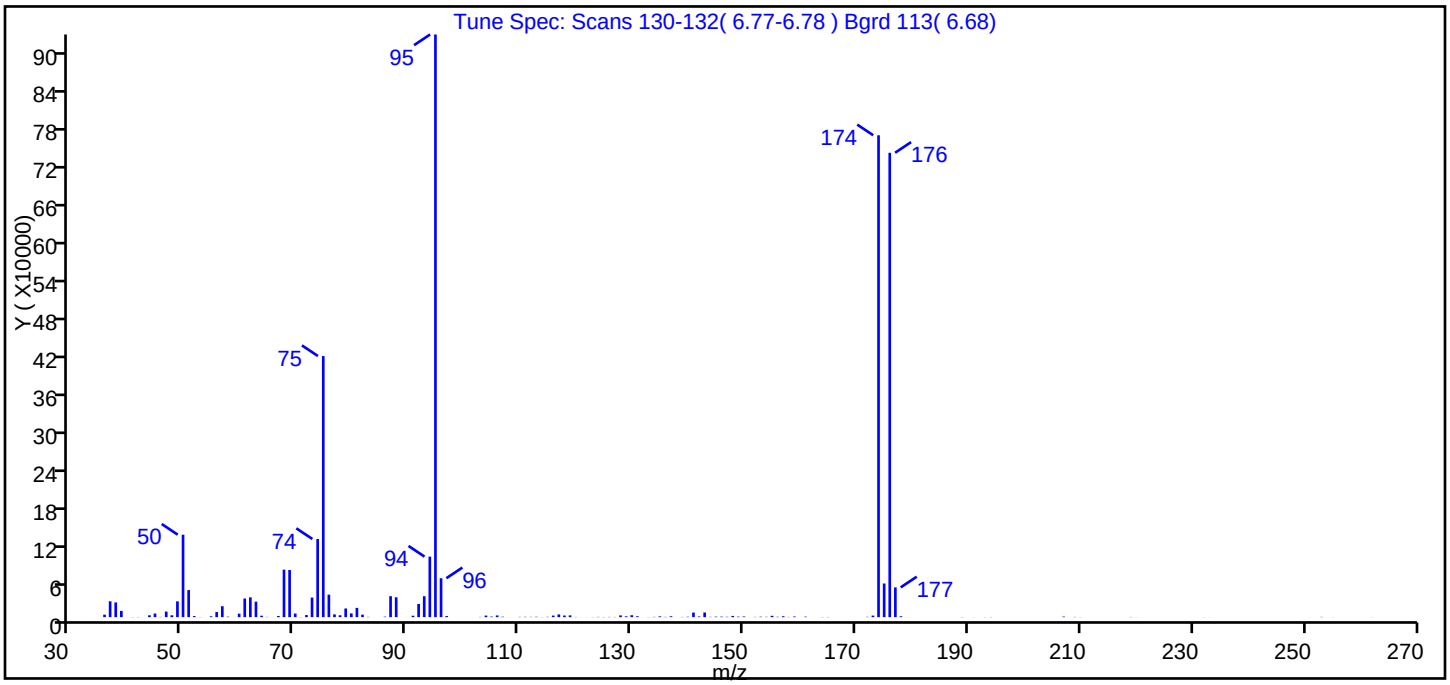
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
18 BFB									
* 43 Chlorobromomethane	128		10.909						
* 54 1,4-Difluorobenzene	114		12.980						
* 76 Chlorobenzene-d5	117		19.117						
$ 87 4-Bromofluorobenzene	95		21.375						

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_01.D
Injection Date: 11-Apr-2014 11:42:30 Instrument ID: CHC.i
Lims ID: BFB
Client ID:
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

18 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.20
75	30.00 - 66.00% of mass 95	44.80
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.30 (0.30)
174	50.00 - 120.00% of mass 95	82.70
175	4.00 - 9.00% of mass 174	5.80 (7.00)
176	93.00 - 101.00% of mass 174	79.70 (96.40)
177	5.00 - 9.00% of mass 176	5.10 (6.40)

Report Date: 11-Apr-2014 11:56:11 Chrom Revision: 2.2 10-Apr-2014 15:11:30

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_01.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 11-Apr-2014 11:42:30
Spectrum: Tune Spec: Scans 130-132(6.77-6.78) Bgrd 113(6.68)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 135

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3906	74.00	123912	118.00	2561	155.00	2090
37.00	25120	75.00	413888	119.00	2829	156.00	549
38.00	23312	76.00	35656	120.00	301	157.00	1452
39.00	9898	77.00	4372	121.00	79	158.00	325
40.00	13	78.00	2975	122.00	80	159.00	1054
41.00	257	79.00	13740	123.00	208	161.00	797
42.00	269	80.00	5919	124.00	414	164.00	250
44.00	2940	81.00	14650	125.00	277	165.00	291
45.00	5732	82.00	3923	126.00	365	172.00	503
46.00	374	83.00	409	127.00	263	173.00	2450
47.00	8832	86.00	770	128.00	2775	174.00	763904
48.00	2965	87.00	33240	129.00	1318	175.00	53312
49.00	25056	88.00	31472	130.00	3049	176.00	736128
50.00	130736	91.00	2238	131.00	1370	177.00	47176
51.00	42904	92.00	20896	133.00	226	178.00	1419
52.00	1669	93.00	33176	134.00	431	179.00	65
53.00	201	94.00	95936	135.00	1263	189.00	226
55.00	1335	95.00	923648	136.00	385	191.00	138
56.00	8119	96.00	61704	137.00	1345	193.00	198
57.00	17328	97.00	1724	139.00	298	194.00	281
58.00	770	103.00	372	140.00	613	207.00	900
60.00	5492	104.00	2467	141.00	7250	208.00	15
61.00	29496	105.00	871	142.00	1008	209.00	360
62.00	31376	106.00	2678	143.00	7351	210.00	200
63.00	24576	107.00	703	144.00	468	219.00	291
64.00	2253	108.00	79	145.00	830	220.00	82
65.00	357	110.00	427	146.00	794	232.00	174
67.00	1869	111.00	518	147.00	545	233.00	94
68.00	75280	112.00	417	148.00	1906	251.00	79
69.00	74752	113.00	597	149.00	793	253.00	404
70.00	5719	114.00	239	150.00	1055	254.00	26
71.00	222	115.00	484	152.00	362	255.00	150
72.00	3308	116.00	2459	153.00	688	262.00	149

Report Date: 11-Apr-2014 11:56:11 Chrom Revision: 2.2 10-Apr-2014 15:11:30
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_01.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 11-Apr-2014 11:42:30
Spectrum: Tune Spec: Scans 130-132(6.77-6.78) Bgrd 113(6.68)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 135

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	30992	117.00	4298	154.00	496		

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: MB 200-70599/4

Matrix: Air Lab File ID: 6977_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 15:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50	U	0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.20	U	0.20	0.030
76-13-1	Freon 113	187.38	0.20	U	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.0	U	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: MB 200-70599/4

Matrix: Air Lab File ID: 6977_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 15:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.20	U	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.023
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: MB 200-70599/4

Matrix: Air Lab File ID: 6977_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 15:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: MB 200-70599/4

Matrix: Air Lab File ID: 6977_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 15:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	U	2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.1	U	1.1	0.17
76-13-1	Freon 113	187.38	1.5	U	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12	U	12	3.0
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: MB 200-70599/4

Matrix: Air Lab File ID: 6977_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 15:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.10
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: MB 200-70599/4

Matrix: Air Lab File ID: 6977_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 15:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_04.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 10-Apr-2014 15:59:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006977-004
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 10-Apr-2014 17:18:14 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: desjardinsb Date: 10-Apr-2014 17:18:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
3 Difluoroethane TIC	51		3.150					
4 Chlorotrifluoroethene TIC	116		3.162					
5 Freon 115 TIC	85		3.180					
1 Propene	41		3.181					
2 Dichlorodifluoromethane	85		3.256					
6 Chlorodifluoromethane	51		3.315					
7 1,2-Dichloro-1,1,2,2-tetra	85		3.544					
8 Chloromethane	50		3.699					
9 Butane	43		3.912					
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.049					
14 2-Methylbutane	43		5.118					
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101		5.567					
17 Pentane	43		5.722					
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					
19 Ethanol	45		6.223					
21 Ethyl ether	59		6.287					
22 Acrolein	56		6.704					
23 1,1,2-Trichloro-1,2,2-trif	101		6.714					
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43		7.034					
26 Carbon disulfide	76		7.141					
28 Methyl Acetate TIC	43	7.077	7.200	-0.123	31	3406	NC	
27 Isopropyl alcohol	45		7.355					
29 3-Chloro-1-propene	41		7.584					
30 Acetonitrile	41		7.750					
31 Methylene Chloride	49	7.894	7.894	0.000	39	2011	0.0688	
32 2-Methyl-2-propanol	59		8.155					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61		8.342					
35 Acrylonitrile	53		8.529					
36 Hexane	57		8.732					
37 1,1-Dichloroethane	63		9.260					
38 Vinyl acetate	43		9.351					
S 41 1,2-Dichloroethene, Total	61		10.200					
39 cis-1,2-Dichloroethene	96		10.418					
40 2-Butanone (MEK)	72		10.498					
42 Ethyl acetate	88		10.541					
* 43 Chlorobromomethane	128	10.909	10.909	0.000	65	545175	10.0	
44 Tetrahydrofuran	42		10.925					
45 Chloroform	83		11.048					
46 Cyclohexane	84		11.283					
47 1,1,1-Trichloroethane	97		11.325					
49 Methyl cyclohexane TIC	55		11.500					
48 Carbon tetrachloride	117		11.581					
51 Isooctane	57		12.035					
50 Benzene	78		12.083					
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43		12.451					
* 54 1,4-Difluorobenzene	114	12.974	12.980	-0.006	91	3022310	10.0	
55 n-Butanol	56		13.423					
56 Trichloroethene	95		13.460					
A 57 GRO	1	13.487	(5.108-21.865)		0	750739	0	
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69		14.234					
60 1,4-Dioxane	88		14.303					
61 Dibromomethane	174		14.325					
62 Dichlorobromomethane	83		14.629					
A 63 TVOC as Toluene	1	15.267	(3.171-27.362)		0	830330	4.82	
64 cis-1,3-Dichloropropene	75		15.589					
65 4-Methyl-2-pentanone (MIBK	43		15.894					
66 Toluene	92		16.182					
A 67 Toluene Range	1	16.182	(16.142-16.222)		0	3884	NC	
68 n-Octane	43		16.225					
A 69 C8 Range	1	16.184	(16.175-16.193)		0	2605	NC	
70 trans-1,3-Dichloropropene	75		16.796					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166		17.265					
73 2-Hexanone	43		17.639					
74 Chlorodibromomethane	129		17.948					
75 Ethylene Dibromide	107		18.221					
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	79	2961927	10.0	
77 Chlorobenzene	112		19.181					
80 1,2-Dibromo-3-Chloropropan	75	19.117	19.300	-0.183	1	33650	NC	
78 Ethylbenzene	91		19.325					
79 n-Nonane	57		19.432					
81 m-Xylene & p-Xylene	106		19.576					
S 82 Xylenes, Total	106		20.100					
83 o-Xylene	106		20.387					
84 Styrene	104		20.435					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
85 Bromoform	173		20.836					
86 Isopropylbenzene	105		21.022					
$ 87 4-Bromofluorobenzene	95	21.375	21.375	0.000	94	1746640	NC	
88 1,1,2,2-Tetrachloroethane	83		21.642					
90 N-Propylbenzene	91		21.706					
89 1,2,3-Trichloropropane	75		21.738					
93 n-Decane	57		21.855					
91 4-Ethyltoluene	105		21.882					
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105		21.983					
95 Alpha Methyl Styrene	118		22.341					
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105		22.549					
98 sec-Butylbenzene	105		22.768					
99 4-Isopropyltoluene	119		22.965					
100 1,3-Dichlorobenzene	146	23.008	23.008	0.000	43	2820	0.007541	
101 1,4-Dichlorobenzene	146	23.152	23.141	0.011	25	4007	0.0107	
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.557					
104 Undecane	57		23.563					
105 1,2-Dichlorobenzene	146		23.696					
106 Dodecane	57		25.212					
107 1,2,4-Trichlorobenzene	180	26.327	26.322	0.005	26	5620	0.0198	
108 Hexachlorobutadiene	225		26.509					
109 Naphthalene	128		26.850					
110 1,2,3-Trichlorobenzene	180		27.352					
111 Total Alkanes	1		0.000					

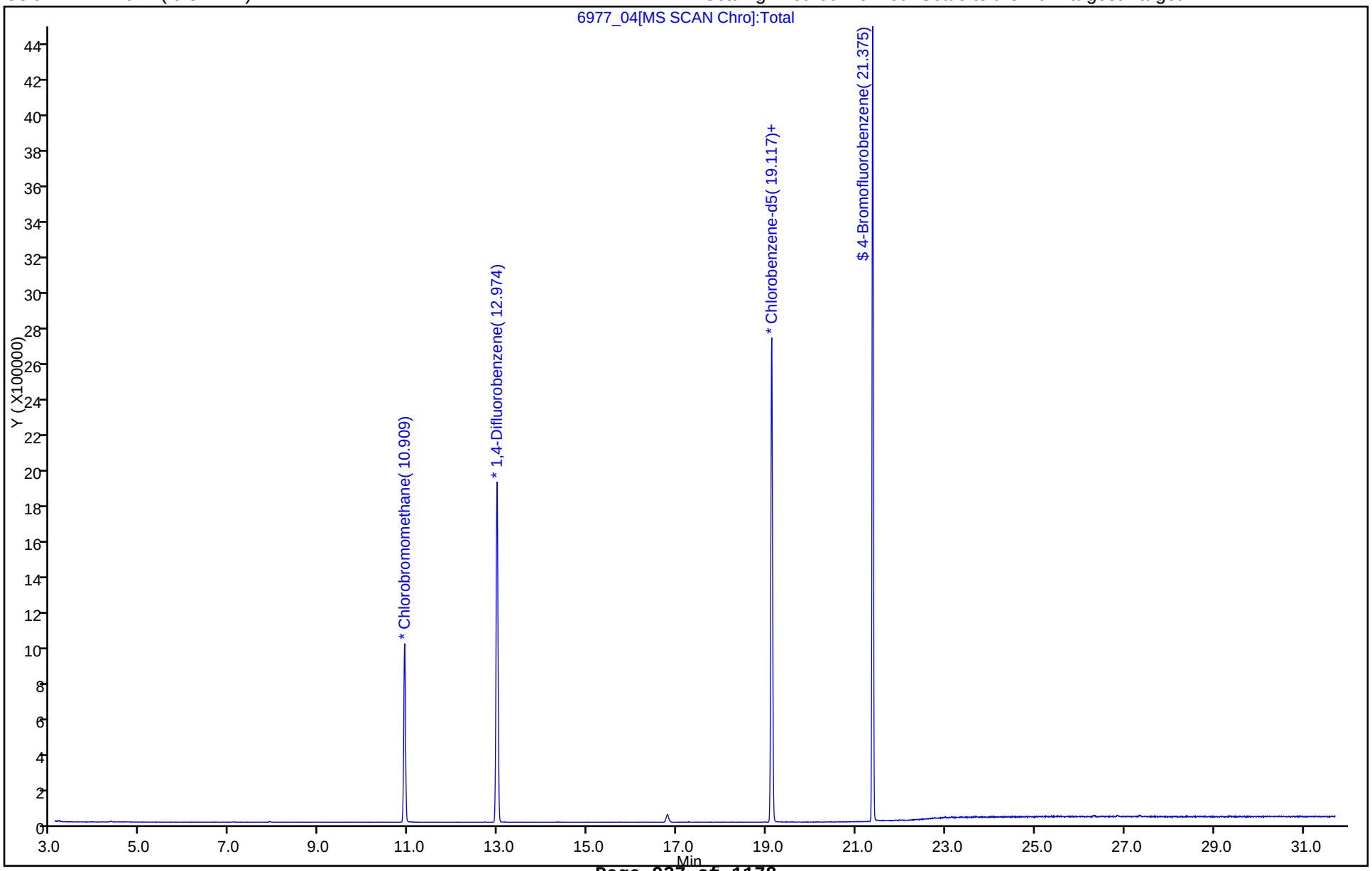
Report Date: 10-Apr-2014 17:18:14 Chrom Revision: 2.2 07-Apr-2014 11:51:18

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_04.D

Injection Date:	10-Apr-2014 15:59:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	MB			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: MB 200-70660/4

Matrix: Air Lab File ID: 7002_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 14:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70660 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50	U	0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.20	U	0.20	0.030
76-13-1	Freon 113	187.38	0.20	U	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.0	U	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: MB 200-70660/4

Matrix: Air Lab File ID: 7002_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 14:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70660 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.20	U	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.023
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: MB 200-70660/4

Matrix: Air Lab File ID: 7002_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 14:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70660 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: MB 200-70660/4

Matrix: Air Lab File ID: 7002_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 14:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70660 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	U	2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.1	U	1.1	0.17
76-13-1	Freon 113	187.38	1.5	U	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12	U	12	3.0
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: MB 200-70660/4

Matrix: Air Lab File ID: 7002_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 14:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70660 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.10
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: MB 200-70660/4

Matrix: Air Lab File ID: 7002_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 14:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70660 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_04.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 11-Apr-2014 14:19:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0007002-004
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 15:06:01 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 15:06:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
3 Difluoroethane TIC	51		3.150					
4 Chlorotrifluoroethene TIC	116		3.162					
1 Propene	41		3.176					
5 Freon 115 TIC	85		3.180					
2 Dichlorodifluoromethane	85		3.250					
6 Chlorodifluoromethane	51		3.309					
7 1,2-Dichloro-1,1,2,2-tetra	85		3.539					
8 Chloromethane	50		3.693					
9 Butane	43		3.907					
10 Vinyl chloride	62		3.960					
11 Butadiene	54		4.046					
12 Bromomethane	94		4.782					
13 Chloroethane	64		5.044					
14 2-Methylbutane	43		5.118					
15 Vinyl bromide	106		5.455					
16 Trichlorofluoromethane	101		5.561					
17 Pentane	43		5.711					
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					
19 Ethanol	45		6.218					
21 Ethyl ether	59		6.282					
22 Acrolein	56		6.693					
23 1,1,2-Trichloro-1,2,2-trif	101		6.703					
24 1,1-Dichloroethene	96		6.751					
25 Acetone	43		7.029					
26 Carbon disulfide	76		7.136					
28 Methyl Acetate TIC	43	7.077	7.200	-0.123	35	3648	NC	
27 Isopropyl alcohol	45		7.349					
29 3-Chloro-1-propene	41		7.584					
30 Acetonitrile	41		7.744					
31 Methylene Chloride	49	7.899	7.888	0.011	34	2338	0.0808	
32 2-Methyl-2-propanol	59		8.150					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
33 Methyl tert-butyl ether	73		8.304					
34 trans-1,2-Dichloroethene	61		8.336					
35 Acrylonitrile	53		8.529					
36 Hexane	57		8.731					
37 1,1-Dichloroethane	63		9.254					
38 Vinyl acetate	43		9.345					
S 41 1,2-Dichloroethene, Total	61		10.200					
39 cis-1,2-Dichloroethene	96		10.418					
40 2-Butanone (MEK)	72		10.493					
42 Ethyl acetate	88		10.535					
* 43 Chlorobromomethane	128	10.904	10.909	-0.005	63	539377	10.0	
44 Tetrahydrofuran	42		10.920					
45 Chloroform	83		11.048					
46 Cyclohexane	84		11.277					
47 1,1,1-Trichloroethane	97		11.325					
49 Methyl cyclohexane TIC	55		11.500					
48 Carbon tetrachloride	117		11.581					
51 Isooctane	57		12.035					
50 Benzene	78		12.078					
52 1,2-Dichloroethane	62		12.286					
53 n-Heptane	43		12.446					
* 54 1,4-Difluorobenzene	114	12.974	12.974	0.000	91	2976019	10.0	
55 n-Butanol	56		13.412					
56 Trichloroethene	95		13.460					
A 57 GRO	1	13.484	(5.108-21.859)		0	754778	0	
58 1,2-Dichloropropane	63		14.058					
59 Methyl methacrylate	69		14.239					
60 1,4-Dioxane	88		14.303					
61 Dibromomethane	174		14.319					
62 Dichlorobromomethane	83		14.629					
A 63 TVOC as Toluene	1	15.261	(3.166-27.357)		0	855809	5.05	
64 cis-1,3-Dichloropropene	75		15.584					
65 4-Methyl-2-pentanone (MIBK	43		15.894					
66 Toluene	92		16.182					
A 67 Toluene Range	1	16.182	(16.142-16.222)		0	9150	NC	
68 n-Octane	43		16.224					
A 69 C8 Range	1	16.233	(16.192-16.274)		0	3559	NC	
70 trans-1,3-Dichloropropene	75		16.795					
71 1,1,2-Trichloroethane	83		17.180					
72 Tetrachloroethene	166		17.265					
73 2-Hexanone	43		17.639					
74 Chlorodibromomethane	129		17.943					
75 Ethylene Dibromide	107		18.220					
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	81	2919759	10.0	
77 Chlorobenzene	112		19.176					
80 1,2-Dibromo-3-Chloropropan	75	19.117	19.300	-0.183	1	32645	NC	
78 Ethylbenzene	91		19.325					
79 n-Nonane	57		19.427					
81 m-Xylene & p-Xylene	106		19.576					
S 82 Xylenes, Total	106		20.100					
83 o-Xylene	106		20.387					
84 Styrene	104		20.435					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
85 Bromoform	173		20.835					
86 Isopropylbenzene	105		21.017					
$ 87 4-Bromofluorobenzene	95	21.375	21.375	0.001	94	1719010	NC	
88 1,1,2,2-Tetrachloroethane	83		21.641					
90 N-Propylbenzene	91		21.705					
89 1,2,3-Trichloropropane	75		21.737					
93 n-Decane	57		21.849					
91 4-Ethyltoluene	105		21.882					
92 2-Chlorotoluene	91		21.898					
94 1,3,5-Trimethylbenzene	105		21.983					
95 Alpha Methyl Styrene	118		22.335					
96 tert-Butylbenzene	119		22.458					
97 1,2,4-Trimethylbenzene	105		22.549					
98 sec-Butylbenzene	105		22.767					
99 4-Isopropyltoluene	119		22.965					
100 1,3-Dichlorobenzene	146		23.002					
101 1,4-Dichlorobenzene	146		23.141					
102 Benzyl chloride	91		23.349					
103 n-Butylbenzene	91		23.552					
104 Undecane	57		23.563					
105 1,2-Dichlorobenzene	146		23.696					
106 Dodecane	57		25.212					
107 1,2,4-Trichlorobenzene	180	26.322	26.322	0.000	30	5667	0.0203	
108 Hexachlorobutadiene	225		26.509					
109 Naphthalene	128		26.845					
110 1,2,3-Trichlorobenzene	180		27.347					
111 Total Alkanes	1		0.000					

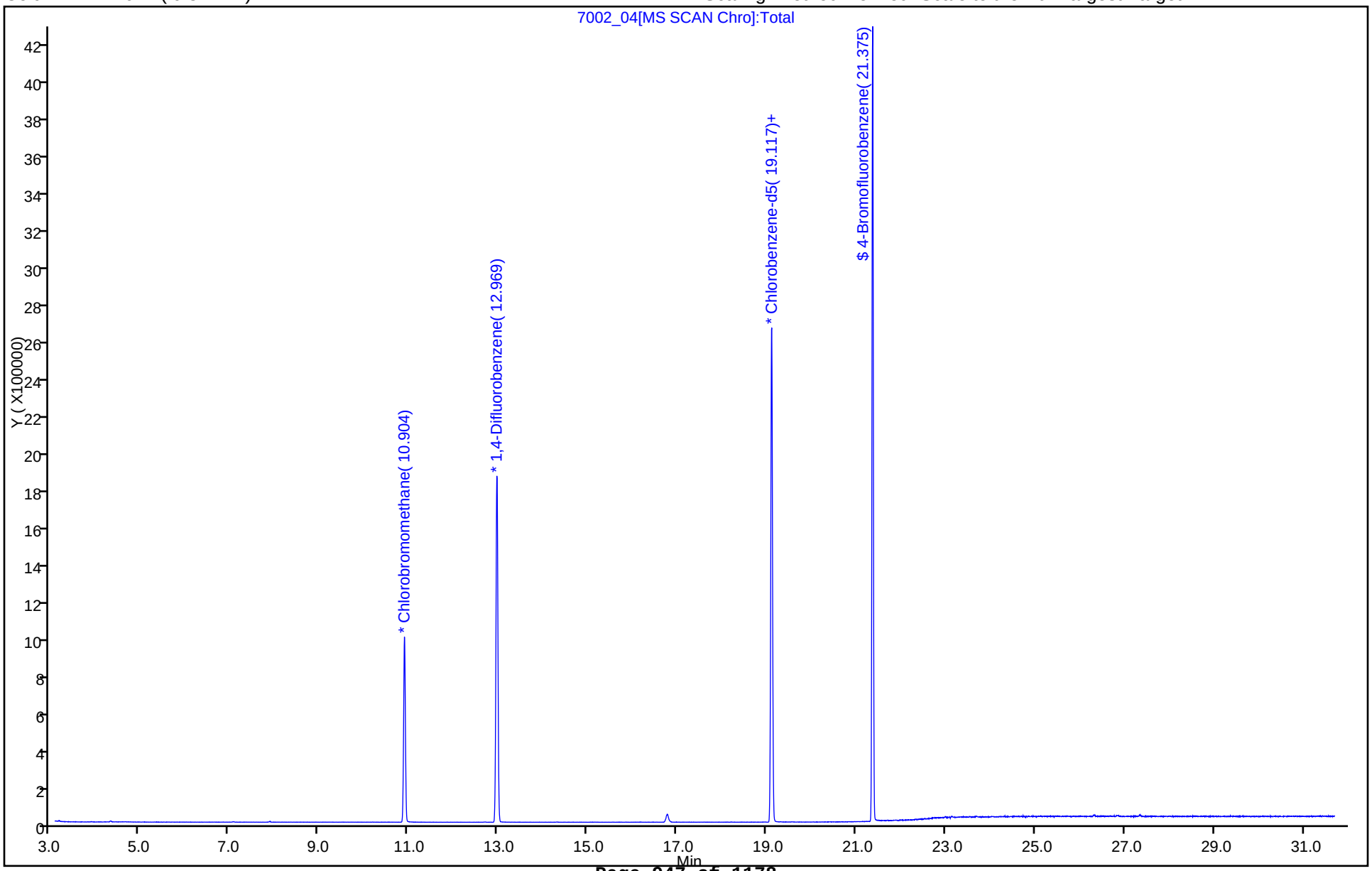
Report Date: 11-Apr-2014 15:06:01 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_04.D

Injection Date:	11-Apr-2014 14:19:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	MB			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: LCS 200-70599/3

Matrix: Air Lab File ID: 6977_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 15:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	9.76		0.50	0.030
75-45-6	Freon 22	86.47	9.65		0.50	0.048
76-14-2	Freon-114	170.92	10.4		0.20	0.035
74-87-3	Chloromethane	50.49	9.08		0.50	0.14
106-97-8	n-Butane	58.12	9.42		0.50	0.28
75-01-4	Vinyl chloride	62.50	8.68		0.040	0.038
106-99-0	1,3-Butadiene	54.09	9.06		0.20	0.042
74-83-9	Bromomethane	94.94	9.47		0.20	0.028
75-00-3	Chloroethane	64.52	9.96		0.50	0.030
593-60-2	Vinyl bromide	106.96	9.13		0.20	0.030
75-69-4	Freon 11	137.37	9.03		0.20	0.030
76-13-1	Freon 113	187.38	9.27		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	9.33		0.20	0.024
67-64-1	Acetone	58.08	9.45		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	8.33		5.0	0.22
75-15-0	Carbon disulfide	76.14	11.1		0.50	0.066
107-05-1	Allyl chloride	76.53	8.45		0.50	0.034
75-09-2	Methylene Chloride	84.93	9.31		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	8.87		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	9.52		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	10.0		0.20	0.029
110-54-3	Hexane	86.17	9.77		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	8.89		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	8.71		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	9.04		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	19.0		0.20	0.064
67-66-3	Chloroform	119.38	9.18		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	9.49		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	9.17		0.20	0.021
110-82-7	Cyclohexane	84.16	9.04		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	8.96		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	8.65		0.20	0.027
71-43-2	Benzene	78.11	8.79		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	9.08		0.20	0.017
142-82-5	Heptane	100.21	8.35		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: LCS 200-70599/3

Matrix: Air Lab File ID: 6977_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 15:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	8.72		0.040	0.024
80-62-6	Methyl methacrylate	100.12	9.33		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	8.47		0.20	0.032
123-91-1	1,4-Dioxane	88.11	8.88		5.0	0.20
75-27-4	Bromodichloromethane	163.83	8.92		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	9.12		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	8.72		0.50	0.027
108-88-3	Toluene	92.14	8.93		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	8.82		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	9.00		0.20	0.017
127-18-4	Tetrachloroethene	165.83	9.03		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.81		0.50	0.20
124-48-1	Dibromochloromethane	208.29	8.90		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	9.01		0.20	0.020
108-90-7	Chlorobenzene	112.56	8.79		0.20	0.0081
100-41-4	Ethylbenzene	106.17	8.78		0.20	0.013
179601-23-1	m,p-Xylene	106.17	17.8		0.50	0.023
95-47-6	Xylene, o-	106.17	8.82		0.20	0.016
1330-20-7	Xylene (total)	106.17	26.6		0.20	0.034
100-42-5	Styrene	104.15	8.88		0.20	0.018
75-25-2	Bromoform	252.75	9.14		0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	8.80		0.20	0.016
103-65-1	n-Propylbenzene	120.19	8.86		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	9.18		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	8.84		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	8.88		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	8.94		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	8.78		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	9.09		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	9.09		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	8.93		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	8.83		0.20	0.014
100-44-7	Benzyl chloride	126.58	8.55		0.20	0.080
104-51-8	n-Butylbenzene	134.22	8.90		0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: LCS 200-70599/3

Matrix: Air Lab File ID: 6977_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2014 15:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	8.81		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	9.13		0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	9.56		0.20	0.022
91-20-3	Naphthalene	128.17	8.41		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 10-Apr-2014 15:07:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006977-003
Misc. Info.: lcs
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 10-Apr-2014 15:55:04 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: desjardinsb Date: 10-Apr-2014 15:55:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.186	3.181	0.005	97	171028	10.0	8.64	
2 Dichlorodifluoromethane	85	3.261	3.256	0.005	88	1431800	10.0	9.76	
6 Chlorodifluoromethane	51	3.320	3.315	0.005	77	476162	10.0	9.65	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.549	3.544	0.005	86	1327922	10.0	10.4	
8 Chloromethane	50	3.699	3.699	0.000	88	220461	10.0	9.08	
9 Butane	43	3.918	3.912	0.006	96	365292	10.0	9.42	
10 Vinyl chloride	62	3.971	3.966	0.005	82	320275	10.0	8.68	
11 Butadiene	54	4.056	4.051	0.005	90	217965	10.0	9.06	
12 Bromomethane	94	4.793	4.788	0.005	99	454810	10.0	9.47	
13 Chloroethane	64	5.054	5.049	0.005	96	157434	10.0	9.96	
14 2-Methylbutane	43	5.129	5.118	0.011	86	263320	10.0	9.73	
15 Vinyl bromide	106	5.465	5.460	0.005	97	537590	10.0	9.13	
16 Trichlorofluoromethane	101	5.572	5.567	0.005	86	1642781	10.0	9.03	
17 Pentane	43	5.721	5.722	-0.001	94	415842	10.0	10.1	
19 Ethanol	45	6.234	6.223	0.011	99	121117	15.0	13.4	
21 Ethyl ether	59	6.292	6.287	0.005	85	226574	10.0	10.2	
22 Acrolein	56	6.709	6.704	0.005	35	103265	10.0	10.3	
23 1,1,2-Trichloro-1,2,2-trif	101	6.714	6.714	0.000	88	1017153	10.0	9.27	
18 BFB									
24 1,1-Dichloroethene	96	6.757	6.752	0.005	84	465945	10.0	9.33	
25 Acetone	43	7.034	7.034	0.000	87	399687	10.0	9.45	
26 Carbon disulfide	76	7.146	7.141	0.005	98	1159709	10.0	11.1	
27 Isopropyl alcohol	45	7.360	7.355	0.005	98	258614	10.0	8.33	
29 3-Chloro-1-propene	41	7.584	7.584	0.000	82	279399	10.0	8.45	
30 Acetonitrile	41	7.755	7.750	0.005	98	157014	10.0	10.4	
31 Methylene Chloride	49	7.893	7.894	-0.001	72	284539	10.0	9.31	
32 2-Methyl-2-propanol	59	8.160	8.155	0.005	98	521999	10.0	8.87	
33 Methyl tert-butyl ether	73	8.310	8.310	0.000	94	1209932	10.0	9.52	
34 trans-1,2-Dichloroethene	61	8.342	8.342	0.000	75	509920	10.0	10.0	
35 Acrylonitrile	53	8.534	8.529	0.005	94	196510	10.0	10.2	
36 Hexane	57	8.731	8.732	-0.001	88	473835	10.0	9.77	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	9.260	9.260	0.000	99	646239	10.0	8.89	
38 Vinyl acetate	43	9.356	9.351	0.005	99	670179	10.0	9.29	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.1	
39 cis-1,2-Dichloroethene	96	10.423	10.418	0.005	89	582091	10.0	9.04	
40 2-Butanone (MEK)	72	10.498	10.498	0.000	97	209536	10.0	8.71	
42 Ethyl acetate	88	10.535	10.541	-0.006	99	45218	10.0	10.4	
* 43 Chlorobromomethane	128	10.909	10.909	0.000	63	569719	10.0	10.0	
44 Tetrahydrofuran	42	10.925	10.925	0.000	77	298816	10.0	9.49	
45 Chloroform	83	11.053	11.048	0.005	93	1226976	10.0	9.18	
46 Cyclohexane	84	11.288	11.288	0.005	79	732705	10.0	9.04	M
47 1,1,1-Trichloroethane	97	11.325	11.325	0.000	93	1594266	10.0	9.17	
48 Carbon tetrachloride	117	11.581	11.581	0.000	96	1898829	10.0	8.96	
51 Isooctane	57	12.035	12.035	0.000	98	1911479	10.0	8.65	
50 Benzene	78	12.083	12.083	0.000	94	1631725	10.0	8.79	
52 1,2-Dichloroethane	62	12.286	12.286	0.000	93	782608	10.0	9.08	
53 n-Heptane	43	12.451	12.451	0.000	80	603050	10.0	8.35	
* 54 1,4-Difluorobenzene	114	12.974	12.980	-0.006	91	3128512	10.0	10.0	
55 n-Butanol	56	13.428	13.423	0.005	83	191224	10.0	8.38	
56 Trichloroethene	95	13.460	13.460	0.000	92	994186	10.0	8.72	
A 57 GRO	1	13.487	(5.108-21.865)		0	225211908	10.0	0	
58 1,2-Dichloropropane	63	14.058	14.058	0.000	87	548909	10.0	8.47	
59 Methyl methacrylate	69	14.239	14.234	0.005	77	626804	10.0	9.33	
60 1,4-Dioxane	88	14.303	14.303	0.000	72	288739	10.0	8.88	
61 Dibromomethane	174	14.324	14.325	-0.001	85	1352433	10.0	9.04	
62 Dichlorobromomethane	83	14.629	14.629	0.000	94	1646506	10.0	8.92	
A 63 TVOC as Toluene	1	15.267	(3.171-27.362)		0	449575482	10.0	2521.9	
64 cis-1,3-Dichloropropene	75	15.584	15.589	-0.005	87	1079463	10.0	9.12	
65 4-Methyl-2-pentanone (MIBK	43	15.894	15.894	0.000	90	905798	10.0	8.72	
66 Toluene	92	16.182	16.182	0.000	93	1626000	10.0	8.93	
A 67 Toluene Range	1	16.182	(16.142-16.222)		0	10742198	NC	NC	
68 n-Octane	43	16.224	16.225	-0.001	79	976326	10.0	8.26	
A 69 C8 Range	1	16.225	(16.175-16.275)		0	10742198	NC	NC	
70 trans-1,3-Dichloropropene	75	16.795	16.796	-0.001	92	1214048	10.0	8.82	
71 1,1,2-Trichloroethane	83	17.180	17.180	0.000	92	723848	10.0	9.00	
72 Tetrachloroethene	166	17.265	17.265	0.000	93	2120437	10.0	9.03	
73 2-Hexanone	43	17.639	17.639	0.000	90	909515	10.0	8.81	
74 Chlorodibromomethane	129	17.948	17.948	0.000	97	2212819	10.0	8.90	
75 Ethylene Dibromide	107	18.220	18.221	-0.001	98	1699270	10.0	9.01	
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	76	3196582	10.0	10.0	
77 Chlorobenzene	112	19.176	19.181	-0.005	98	2556659	10.0	8.79	
78 Ethylbenzene	91	19.325	19.325	0.000	96	3771915	10.0	8.78	
79 n-Nonane	57	19.432	19.432	0.000	78	1168569	10.0	8.49	
81 m-Xylene & p-Xylene	106	19.576	19.576	0.000	99	3304733	20.0	17.8	
S 82 Xylenes, Total	106				0		30.0	26.6	
83 o-Xylene	106	20.387	20.387	0.000	95	1598251	10.0	8.82	
84 Styrene	104	20.435	20.435	0.000	98	2488318	10.0	8.88	
85 Bromoform	173	20.835	20.836	-0.001	99	2624468	10.0	9.14	
86 Isopropylbenzene	105	21.022	21.022	0.000	94	4820739	10.0	8.96	
$ 87 4-Bromofluorobenzene	95	21.375	21.375	-0.001	94	2094733	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.647	21.642	0.005	94	1919088	10.0	8.80	
90 N-Propylbenzene	91	21.705	21.706	-0.001	99	5225075	10.0	8.86	
89 1,2,3-Trichloropropane	75	21.743	21.738	0.005	91	1487959	10.0	9.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.855	21.855	0.000	80	1491641	10.0	9.08	
91 4-Ethyltoluene	105	21.887	21.882	0.005	94	4964421	10.0	9.18	
92 2-Chlorotoluene	91	21.898	21.898	0.000	95	3755068	10.0	8.88	
94 1,3,5-Trimethylbenzene	105	21.983	21.983	0.000	93	4234993	10.0	8.84	
95 Alpha Methyl Styrene	118	22.340	22.341	-0.001	91	2275247	10.0	9.42	
96 tert-Butylbenzene	119	22.458	22.458	0.000	93	4368403	10.0	8.94	
97 1,2,4-Trimethylbenzene	105	22.549	22.549	0.000	95	4281730	10.0	8.78	
98 sec-Butylbenzene	105	22.773	22.768	0.005	98	6008385	10.0	9.09	
99 4-Isopropyltoluene	119	22.965	22.965	0.000	95	5654397	10.0	9.09	
100 1,3-Dichlorobenzene	146	23.008	23.008	0.000	99	3602200	10.0	8.93	
101 1,4-Dichlorobenzene	146	23.141	23.141	0.000	97	3579595	10.0	8.83	
102 Benzyl chloride	91	23.349	23.349	0.000	100	3416481	10.0	8.55	
103 n-Butylbenzene	91	23.557	23.557	0.000	97	4166451	10.0	8.90	
104 Undecane	57	23.563	23.563	0.000	87	1632923	10.0	10.1	
105 1,2-Dichlorobenzene	146	23.696	23.696	0.000	99	3387816	10.0	8.81	
106 Dodecane	57	25.217	25.212	0.005	89	1245503	10.0	9.41	
107 1,2,4-Trichlorobenzene	180	26.322	26.322	0.000	92	2795683	10.0	9.13	
108 Hexachlorobutadiene	225	26.514	26.509	0.005	95	2705453	10.0	9.56	
109 Naphthalene	128	26.850	26.850	0.000	99	4887002	10.0	8.41	
110 1,2,3-Trichlorobenzene	180	27.352	27.352	0.000	96	2398656	10.0	9.05	

QC Flag Legend

Review Flags
M - Manually Integrated

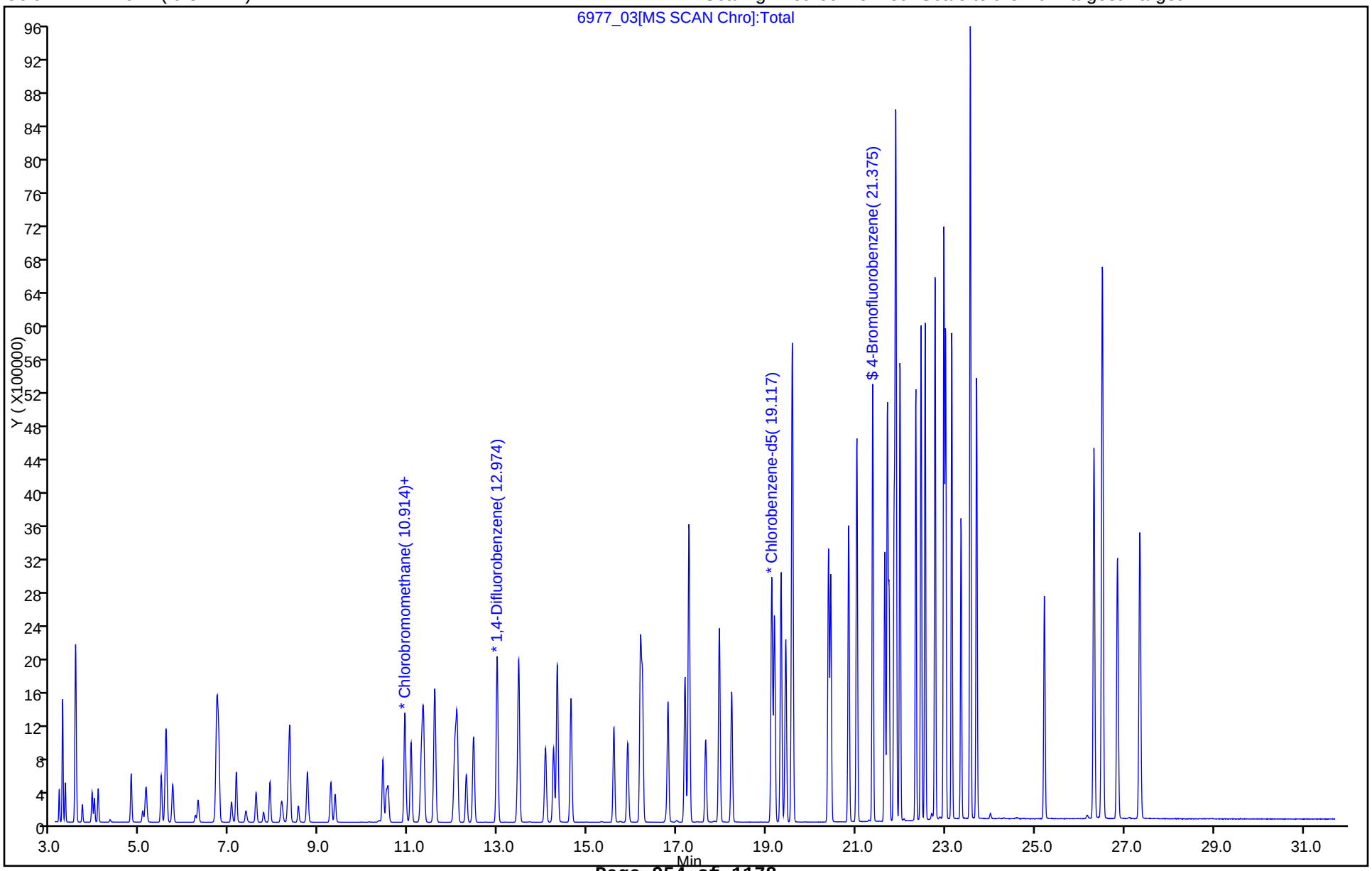
Report Date: 10-Apr-2014 15:55:05 Chrom Revision: 2.2 07-Apr-2014 11:51:18

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_03.D

Injection Date:	10-Apr-2014 15:07:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

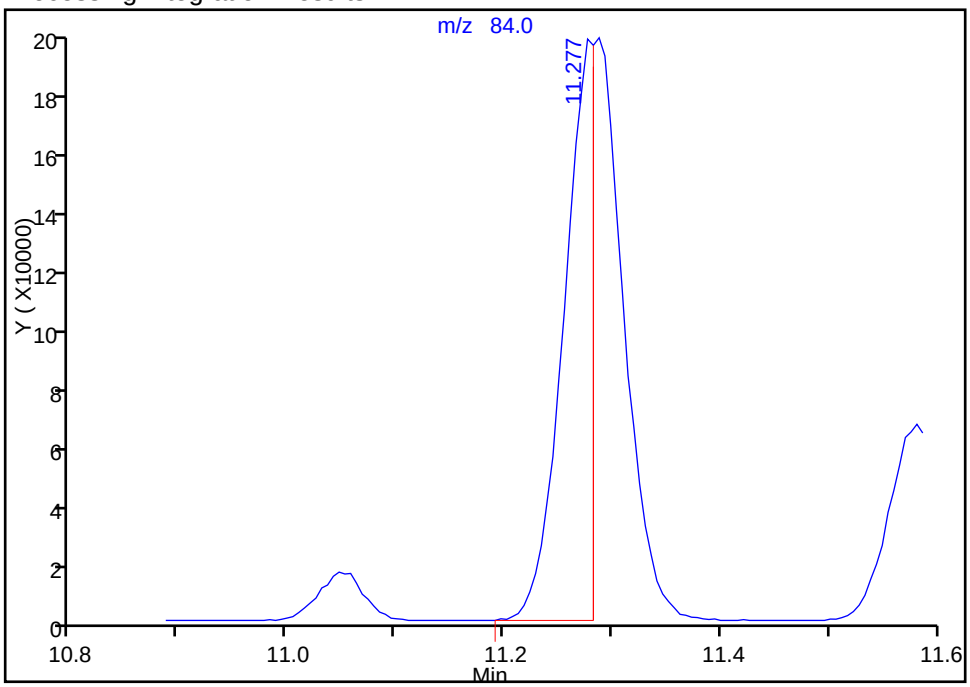
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140410-6977.b\6977_03.D
Injection Date: 10-Apr-2014 15:07:30 Instrument ID: CHC.i
Lims ID: LCS
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

46 Cyclohexane, CAS: 110-82-7

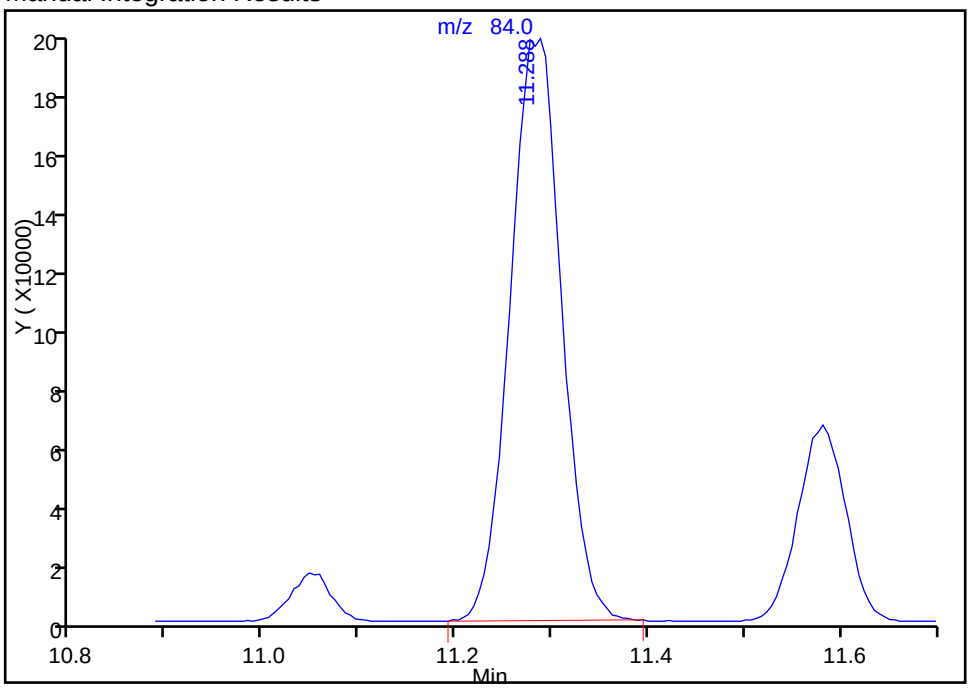
Processing Integration Results

RT: 11.28
Response: 386040
Amount: 4.761584



Manual Integration Results

RT: 11.29
Response: 732705
Amount: 9.037499



Reviewer: desjardinsb, 10-Apr-2014 15:55:04
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: LCS 200-70660/3

Matrix: Air Lab File ID: 7002_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 13:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70660 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	9.76		0.50	0.030
75-45-6	Freon 22	86.47	9.70		0.50	0.048
76-14-2	Freon-114	170.92	10.3		0.20	0.035
74-87-3	Chloromethane	50.49	9.16		0.50	0.14
106-97-8	n-Butane	58.12	9.40		0.50	0.28
75-01-4	Vinyl chloride	62.50	8.68		0.040	0.038
106-99-0	1,3-Butadiene	54.09	9.10		0.20	0.042
74-83-9	Bromomethane	94.94	9.54		0.20	0.028
75-00-3	Chloroethane	64.52	10.1		0.50	0.030
593-60-2	Vinyl bromide	106.96	9.11		0.20	0.030
75-69-4	Freon 11	137.37	8.95		0.20	0.030
76-13-1	Freon 113	187.38	9.22		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	9.16		0.20	0.024
67-64-1	Acetone	58.08	9.56		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	8.67		5.0	0.22
75-15-0	Carbon disulfide	76.14	11.0		0.50	0.066
107-05-1	Allyl chloride	76.53	8.48		0.50	0.034
75-09-2	Methylene Chloride	84.93	9.55		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	9.45		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	9.49		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	9.90		0.20	0.029
110-54-3	Hexane	86.17	9.59		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	8.92		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	8.64		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	8.91		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	18.8		0.20	0.064
67-66-3	Chloroform	119.38	9.01		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	9.55		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	9.17		0.20	0.021
110-82-7	Cyclohexane	84.16	8.99		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	8.94		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	8.64		0.20	0.027
71-43-2	Benzene	78.11	8.73		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	9.13		0.20	0.017
142-82-5	Heptane	100.21	8.39		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: LCS 200-70660/3

Matrix: Air Lab File ID: 7002_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 13:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70660 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	8.62		0.040	0.024
80-62-6	Methyl methacrylate	100.12	9.29		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	8.46		0.20	0.032
123-91-1	1,4-Dioxane	88.11	9.00		5.0	0.20
75-27-4	Bromodichloromethane	163.83	8.89		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	9.05		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	8.77		0.50	0.027
108-88-3	Toluene	92.14	8.83		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	8.75		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	8.93		0.20	0.017
127-18-4	Tetrachloroethene	165.83	8.89		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.82		0.50	0.20
124-48-1	Dibromochloromethane	208.29	8.82		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	8.89		0.20	0.020
108-90-7	Chlorobenzene	112.56	8.70		0.20	0.0081
100-41-4	Ethylbenzene	106.17	8.70		0.20	0.013
179601-23-1	m,p-Xylene	106.17	17.7		0.50	0.023
95-47-6	Xylene, o-	106.17	8.76		0.20	0.016
1330-20-7	Xylene (total)	106.17	26.5		0.20	0.034
100-42-5	Styrene	104.15	8.79		0.20	0.018
75-25-2	Bromoform	252.75	9.07		0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	8.77		0.20	0.016
103-65-1	n-Propylbenzene	120.19	8.81		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	9.14		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	8.81		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	8.84		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	8.89		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	8.72		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	8.97		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	9.02		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	8.81		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	8.71		0.20	0.014
100-44-7	Benzyl chloride	126.58	8.55		0.20	0.080
104-51-8	n-Butylbenzene	134.22	8.92		0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Client Sample ID: Lab Sample ID: LCS 200-70660/3

Matrix: Air Lab File ID: 7002_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2014 13:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70660 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	8.77		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	9.05		0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	9.43		0.20	0.022
91-20-3	Naphthalene	128.17	8.40		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 11-Apr-2014 13:27:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0007002-003
Misc. Info.: lcs
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Apr-2014 14:25:39 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 11-Apr-2014 14:26:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.181	3.176	0.005	97	165875	10.0	8.51	
2 Dichlorodifluoromethane	85	3.256	3.250	0.006	99	1410079	10.0	9.76	
6 Chlorodifluoromethane	51	3.320	3.309	0.011	93	471177	10.0	9.70	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.549	3.539	0.010	84	1298746	10.0	10.3	
8 Chloromethane	50	3.699	3.693	0.006	88	218970	10.0	9.16	
9 Butane	43	3.918	3.907	0.011	96	358807	10.0	9.40	
10 Vinyl chloride	62	3.966	3.960	0.006	83	315302	10.0	8.68	
11 Butadiene	54	4.051	4.046	0.005	90	215554	10.0	9.10	
12 Bromomethane	94	4.793	4.782	0.011	99	451103	10.0	9.54	
13 Chloroethane	64	5.049	5.044	0.005	96	157633	10.0	10.1	
14 2-Methylbutane	43	5.118	5.118	0.000	86	254839	10.0	9.57	
15 Vinyl bromide	106	5.465	5.455	0.010	98	527859	10.0	9.11	
16 Trichlorofluoromethane	101	5.572	5.561	0.011	86	1602968	10.0	8.95	
17 Pentane	43	5.716	5.711	0.005	93	408177	10.0	10.1	
19 Ethanol	45	6.223	6.218	0.005	99	121870	15.0	13.7	
21 Ethyl ether	59	6.287	6.282	0.005	86	224562	10.0	10.3	
22 Acrolein	56	6.698	6.693	0.005	94	102786	10.0	10.4	
23 1,1,2-Trichloro-1,2,2-trif	101	6.714	6.703	0.011	88	995936	10.0	9.22	
18 BFB									
24 1,1-Dichloroethene	96	6.752	6.751	0.001	82	450622	10.0	9.16	
25 Acetone	43	7.034	7.029	0.005	87	398093	10.0	9.56	
26 Carbon disulfide	76	7.141	7.136	0.005	98	1131754	10.0	11.0	
27 Isopropyl alcohol	45	7.360	7.349	0.011	98	265082	10.0	8.67	
29 3-Chloro-1-propene	41	7.584	7.584	0.000	80	276153	10.0	8.48	
30 Acetonitrile	41	7.755	7.744	0.011	98	154426	10.0	10.3	
31 Methylene Chloride	49	7.894	7.888	0.006	78	287304	10.0	9.55	
32 2-Methyl-2-propanol	59	8.155	8.150	0.005	98	547505	10.0	9.45	
33 Methyl tert-butyl ether	73	8.315	8.304	0.011	94	1188109	10.0	9.49	
34 trans-1,2-Dichloroethene	61	8.337	8.336	0.001	75	496420	10.0	9.90	
35 Acrylonitrile	53	8.529	8.529	0.000	94	192310	10.0	10.2	
36 Hexane	57	8.731	8.731	0.000	89	458174	10.0	9.59	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	9.260	9.254	0.006	99	638324	10.0	8.92	
38 Vinyl acetate	43	9.351	9.345	0.006	99	661674	10.0	9.32	
S 41 1,2-Dichloroethene, Total	61				0		20.0	18.8	
39 cis-1,2-Dichloroethene	96	10.423	10.418	0.005	88	564916	10.0	8.91	
40 2-Butanone (MEK)	72	10.493	10.493	0.000	96	204619	10.0	8.64	
42 Ethyl acetate	88	10.541	10.535	0.006	99	43134	10.0	10.0	
* 43 Chlorobromomethane	128	10.909	10.909	0.000	65	561035	10.0	10.0	
44 Tetrahydrofuran	42	10.930	10.920	0.010	82	293872	10.0	9.55	
45 Chloroform	83	11.048	11.048	0.000	99	1186795	10.0	9.01	
46 Cyclohexane	84	11.283	11.277	0.006	78	711611	10.0	8.99	
47 1,1,1-Trichloroethane	97	11.325	11.325	0.000	89	1557188	10.0	9.17	
48 Carbon tetrachloride	117	11.581	11.581	0.000	96	1850576	10.0	8.94	
51 Isooctane	57	12.035	12.035	0.000	98	1864464	10.0	8.64	
50 Benzene	78	12.083	12.078	0.005	93	1582510	10.0	8.73	
52 1,2-Dichloroethane	62	12.286	12.286	0.000	99	768250	10.0	9.13	
53 n-Heptane	43	12.451	12.446	0.005	80	591856	10.0	8.39	
* 54 1,4-Difluorobenzene	114	12.974	12.974	0.000	91	3055687	10.0	10.0	
55 n-Butanol	56	13.423	13.412	0.011	83	207133	10.0	9.29	
56 Trichloroethene	95	13.460	13.460	0.000	92	959734	10.0	8.62	
A 57 GRO	1	13.484	(5.108-21.859)		0	214473138	10.0	0	
58 1,2-Dichloropropane	63	14.058	14.058	0.000	88	536077	10.0	8.46	
59 Methyl methacrylate	69	14.234	14.239	-0.005	77	609688	10.0	9.29	
60 1,4-Dioxane	88	14.303	14.303	0.000	71	285903	10.0	9.00	
61 Dibromomethane	174	14.325	14.319	0.006	85	1297301	10.0	8.88	
62 Dichlorobromomethane	83	14.623	14.629	-0.006	97	1603536	10.0	8.89	
A 63 TVOC as Toluene	1	15.261	(3.166-27.357)		0	437031320	10.0	2509.9	
64 cis-1,3-Dichloropropene	75	15.584	15.584	0.000	87	1045570	10.0	9.05	
65 4-Methyl-2-pentanone (MIBK	43	15.894	15.894	0.000	91	889257	10.0	8.77	
66 Toluene	92	16.182	16.182	0.000	94	1570197	10.0	8.83	
A 67 Toluene Range	1	16.182	(16.142-16.222)		0	10443354	NC	NC	
68 n-Octane	43	16.225	16.224	0.000	78	959285	10.0	8.31	
A 69 C8 Range	1	16.224	(16.174-16.274)		0	10443354	NC	NC	
70 trans-1,3-Dichloropropene	75	16.796	16.795	0.001	92	1176871	10.0	8.75	
71 1,1,2-Trichloroethane	83	17.174	17.180	-0.006	92	700499	10.0	8.93	
72 Tetrachloroethene	166	17.265	17.265	0.000	95	2035510	10.0	8.89	
73 2-Hexanone	43	17.639	17.639	0.000	90	888186	10.0	8.82	
74 Chlorodibromomethane	129	17.943	17.943	0.000	97	2140504	10.0	8.82	
75 Ethylene Dibromide	107	18.221	18.220	0.000	99	1636116	10.0	8.89	
* 76 Chlorobenzene-d5	117	19.117	19.117	0.000	77	3119495	10.0	10.0	
77 Chlorobenzene	112	19.176	19.176	0.000	98	2468654	10.0	8.70	
78 Ethylbenzene	91	19.325	19.325	0.000	96	3651320	10.0	8.70	
79 n-Nonane	57	19.427	19.427	0.000	79	1141652	10.0	8.50	
81 m-Xylene & p-Xylene	106	19.576	19.576	0.000	99	3207693	20.0	17.7	
S 82 Xylenes, Total	106				0		30.0	26.5	
83 o-Xylene	106	20.382	20.387	-0.005	95	1549883	10.0	8.76	
84 Styrene	104	20.435	20.435	0.000	97	2402835	10.0	8.79	
85 Bromoform	173	20.836	20.835	0.001	99	2541855	10.0	9.07	
86 Isopropylbenzene	105	21.022	21.017	0.005	94	4675477	10.0	8.91	
$ 87 4-Bromofluorobenzene	95	21.375	21.375	0.001	95	2078686	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.641	21.641	0.000	94	1866758	10.0	8.77	
90 N-Propylbenzene	91	21.706	21.705	0.001	99	5071723	10.0	8.81	
89 1,2,3-Trichloropropane	75	21.738	21.737	0.001	90	1439935	10.0	9.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.850	21.849	0.001	81	1464830	10.0	9.14	
91 4-Ethyltoluene	105	21.882	21.882	0.000	94	4825751	10.0	9.14	
92 2-Chlorotoluene	91	21.898	21.898	0.000	95	3650106	10.0	8.84	
94 1,3,5-Trimethylbenzene	105	21.983	21.983	0.000	93	4117897	10.0	8.81	
95 Alpha Methyl Styrene	118	22.341	22.335	0.006	90	2195681	10.0	9.32	
96 tert-Butylbenzene	119	22.458	22.458	0.000	95	4238490	10.0	8.89	
97 1,2,4-Trimethylbenzene	105	22.549	22.549	0.000	95	4148165	10.0	8.72	
98 sec-Butylbenzene	105	22.768	22.767	0.001	98	5783922	10.0	8.97	
99 4-Isopropyltoluene	119	22.965	22.965	0.000	94	5472886	10.0	9.02	
100 1,3-Dichlorobenzene	146	23.002	23.002	0.000	99	3469449	10.0	8.81	
101 1,4-Dichlorobenzene	146	23.141	23.141	0.000	98	3444908	10.0	8.71	
102 Benzyl chloride	91	23.349	23.349	0.000	100	3332232	10.0	8.55	
103 n-Butylbenzene	91	23.557	23.552	0.005	97	4074995	10.0	8.92	
104 Undecane	57	23.563	23.563	0.000	87	1597258	10.0	10.1	
105 1,2-Dichlorobenzene	146	23.696	23.696	0.000	100	3292074	10.0	8.77	
106 Dodecane	57	25.212	25.212	0.000	89	1311571	10.0	10.2	
107 1,2,4-Trichlorobenzene	180	26.322	26.322	0.000	91	2705377	10.0	9.05	
108 Hexachlorobutadiene	225	26.509	26.509	0.000	95	2605037	10.0	9.43	
109 Naphthalene	128	26.845	26.845	0.000	99	4762643	10.0	8.40	
110 1,2,3-Trichlorobenzene	180	27.347	27.347	0.001	96	2362100	10.0	9.14	

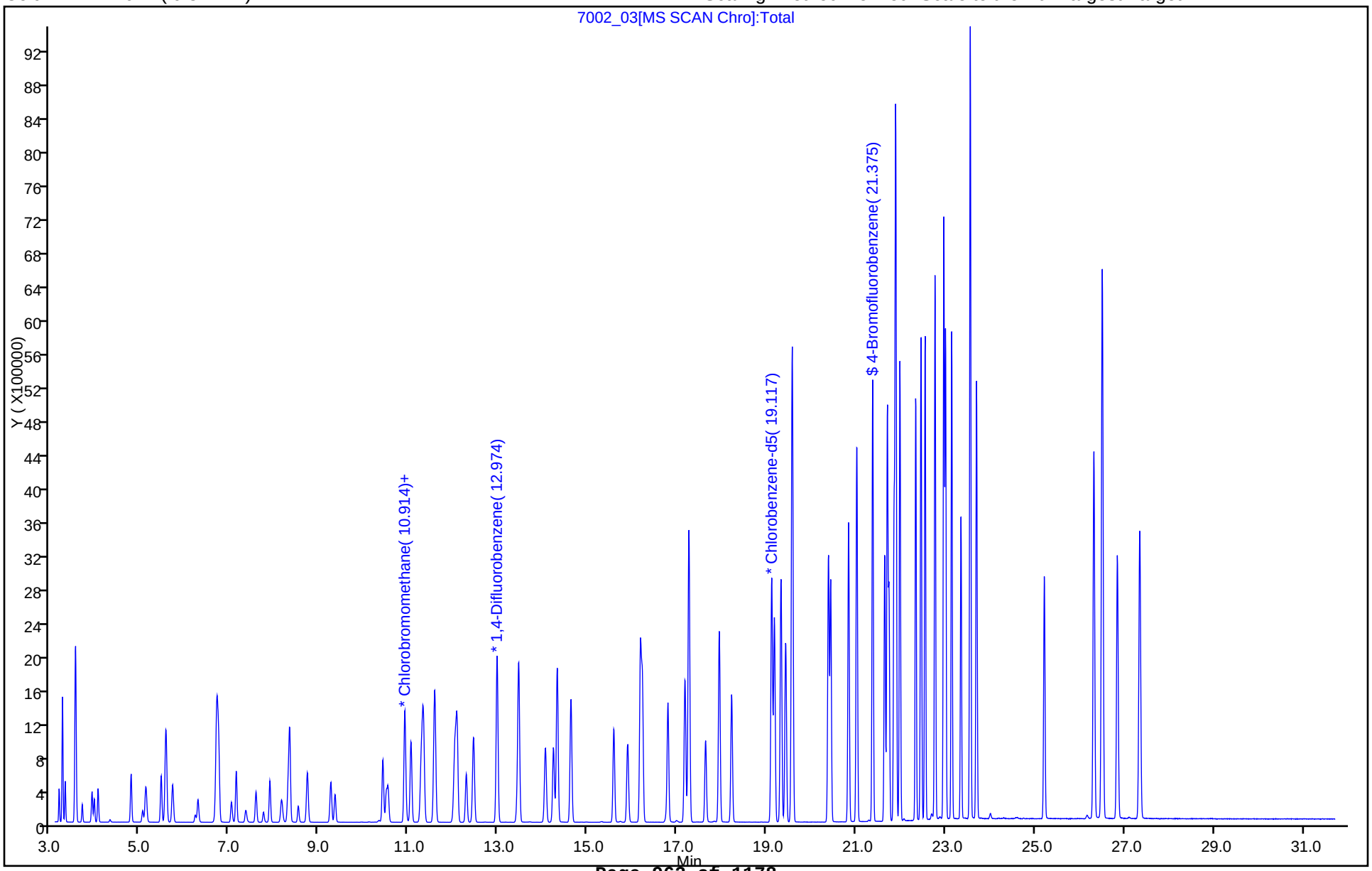
Report Date: 11-Apr-2014 14:26:44 Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140411-7002.b\7002_03.D

Injection Date:	11-Apr-2014 13:27:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Instrument ID: CHC.i Start Date: 03/18/2014 07:56

Analysis Batch Number: 69583 End Date: 03/19/2014 07:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-69583/1		03/18/2014 07:56	1	6584_01.D	RTX-624 0.32(mm)
VIBLK 200-69583/2		03/18/2014 08:50	1		RTX-624 0.32(mm)
IC 200-69583/3		03/18/2014 09:42	1	6584_03.D	RTX-624 0.32(mm)
IC 200-69583/4		03/18/2014 10:34	1	6584_04.D	RTX-624 0.32(mm)
ZZZZZ		03/18/2014 11:26	1		RTX-624 0.32(mm)
IC 200-69583/6		03/18/2014 12:18	1	6584_06.D	RTX-624 0.32(mm)
ICIS 200-69583/7		03/18/2014 13:10	1	6584_07.D	RTX-624 0.32(mm)
IC 200-69583/8		03/18/2014 14:03	1	6584_08.D	RTX-624 0.32(mm)
IC 200-69583/17		03/18/2014 14:55	1	6584_17.D	RTX-624 0.32(mm)
IC 200-69583/9		03/18/2014 15:47	1	6584_09.D	RTX-624 0.32(mm)
IC 200-69583/10		03/18/2014 16:40	1	6584_10.D	RTX-624 0.32(mm)
VIBLK 200-69583/11		03/18/2014 17:25	1		RTX-624 0.32(mm)
VIBLK 200-69583/12		03/18/2014 18:17	1		RTX-624 0.32(mm)
ICV 200-69583/13		03/18/2014 19:09	1	6584_13.D	RTX-624 0.32(mm)
VIBLK 200-69583/14		03/18/2014 20:01	1		RTX-624 0.32(mm)
ZZZZZ		03/18/2014 20:53	1		RTX-624 0.32(mm)
ZZZZZ		03/18/2014 21:44	1		RTX-624 0.32(mm)
ZZZZZ		03/18/2014 22:43	0.2		RTX-624 0.32(mm)
ZZZZZ		03/18/2014 23:42	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 00:40	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 01:39	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 02:37	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 03:36	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 04:34	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 05:32	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 06:30	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 07:29	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Instrument ID: CHC.i Start Date: 04/10/2014 13:21

Analysis Batch Number: 70599 End Date: 04/11/2014 10:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-70599/1		04/10/2014 13:21	1	6977_01.D	RTX-624 0.32(mm)
CCVIS 200-70599/2		04/10/2014 14:14	1	6977_02.D	RTX-624 0.32(mm)
LCS 200-70599/3		04/10/2014 15:07	1	6977_03.D	RTX-624 0.32(mm)
MB 200-70599/4		04/10/2014 15:59	1	6977_04.D	RTX-624 0.32(mm)
ZZZZZ		04/10/2014 16:51	9.9		RTX-624 0.32(mm)
ZZZZZ		04/10/2014 17:44	9.95		RTX-624 0.32(mm)
200-21727-1	GCTS PRE CARBON	04/10/2014 18:36	1	6977_07.D	RTX-624 0.32(mm)
200-21727-2	GCTS POST CARBON	04/10/2014 19:28	1	6977_08.D	RTX-624 0.32(mm)
200-21727-3	GCTS MID CARBON	04/10/2014 20:20	1	6977_09.D	RTX-624 0.32(mm)
200-21727-4	SDS-3	04/10/2014 21:13	1	6977_10.D	RTX-624 0.32(mm)
200-21727-5	SDS-1	04/10/2014 22:05	1	6977_11.D	RTX-624 0.32(mm)
200-21727-5 DL	SDS-1 DL	04/10/2014 22:57	2.5	6977_12.D	RTX-624 0.32(mm)
200-21727-6	SDS-2	04/10/2014 23:49	1	6977_13.D	RTX-624 0.32(mm)
200-21727-7	SDS-4	04/11/2014 00:42	1	6977_14.D	RTX-624 0.32(mm)
200-21727-8	SDS-7	04/11/2014 01:34	1	6977_15.D	RTX-624 0.32(mm)
200-21727-8 DL	SDS-7 DL	04/11/2014 02:26	2.99	6977_16.D	RTX-624 0.32(mm)
ZZZZZ		04/11/2014 03:18	10		RTX-624 0.32(mm)
ZZZZZ		04/11/2014 04:10	50		RTX-624 0.32(mm)
200-21727-10	SDS-5	04/11/2014 05:03	1	6977_19.D	RTX-624 0.32(mm)
200-21727-10 DL	SDS-5 DL	04/11/2014 05:55	2.5	6977_20.D	RTX-624 0.32(mm)
200-21727-11	SDS-8	04/11/2014 06:47	1	6977_21.D	RTX-624 0.32(mm)
200-21727-11 DL	SDS-8 DL	04/11/2014 07:39	4	6977_22.D	RTX-624 0.32(mm)
200-21727-12	SSDS POST CARBON	04/11/2014 08:31	1	6977_23.D	RTX-624 0.32(mm)
200-21727-13	SSDS MID CARBON	04/11/2014 09:24	1	6977_24.D	RTX-624 0.32(mm)
ZZZZZ		04/11/2014 10:23	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-21727-1

SDG No.: 200-21727

Instrument ID: CHC.i Start Date: 04/11/2014 11:42

Analysis Batch Number: 70660 End Date: 04/12/2014 11:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-70660/1		04/11/2014 11:42	1	7002_01.D	RTX-624 0.32(mm)
CCVIS 200-70660/2		04/11/2014 12:35	1	7002_02.D	RTX-624 0.32(mm)
LCS 200-70660/3		04/11/2014 13:27	1	7002_03.D	RTX-624 0.32(mm)
MB 200-70660/4		04/11/2014 14:19	1	7002_04.D	RTX-624 0.32(mm)
ZZZZZ		04/11/2014 15:12	1		RTX-624 0.32(mm)
ZZZZZ		04/11/2014 16:04	1		RTX-624 0.32(mm)
ZZZZZ		04/11/2014 16:56	1		RTX-624 0.32(mm)
ZZZZZ		04/11/2014 17:48	1		RTX-624 0.32(mm)
ZZZZZ		04/11/2014 18:40	1		RTX-624 0.32(mm)
ZZZZZ		04/11/2014 19:32	1		RTX-624 0.32(mm)
ZZZZZ		04/11/2014 20:25	1		RTX-624 0.32(mm)
ZZZZZ		04/11/2014 21:16	1		RTX-624 0.32(mm)
ZZZZZ		04/11/2014 22:08	1		RTX-624 0.32(mm)
ZZZZZ		04/11/2014 23:01	10		RTX-624 0.32(mm)
ZZZZZ		04/11/2014 23:53	10		RTX-624 0.32(mm)
ZZZZZ		04/12/2014 00:45	28.3		RTX-624 0.32(mm)
ZZZZZ		04/12/2014 01:37	22.9		RTX-624 0.32(mm)
ZZZZZ		04/12/2014 02:29	6.06		RTX-624 0.32(mm)
ZZZZZ		04/12/2014 03:21	1		RTX-624 0.32(mm)
200-21727-9	SDS-6	04/12/2014 04:13	2	7002_20.D	RTX-624 0.32(mm)
ZZZZZ		04/12/2014 05:12	0.2		RTX-624 0.32(mm)
ZZZZZ		04/12/2014 06:10	0.2		RTX-624 0.32(mm)
ZZZZZ		04/12/2014 07:02	1		RTX-624 0.32(mm)
ZZZZZ		04/12/2014 07:54	6.06		RTX-624 0.32(mm)
ZZZZZ		04/12/2014 08:53	0.2		RTX-624 0.32(mm)
ZZZZZ		04/12/2014 09:52	0.2		RTX-624 0.32(mm)
ZZZZZ		04/12/2014 10:44	1		RTX-624 0.32(mm)
ZZZZZ		04/12/2014 11:36	1		RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
Stantec	200-21727	4/7/14	1050	29.8	22	G11	ANI

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	NA	NA	Yes # 5516
(3) MA MCP: Check return flow rate for flow controllers		✓	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID	Comments
200-21727-1	5128	-5.7	N	NA	NA	2845 6739	
-2	4807	-6.3	N			2594 6528	
-3	2720	-5.4	N			3328 6692	
-4	2533	-6.2	N			2845 6739	
-5	4789	-6.1	N				
-6	5092	-7.5	N				
-7	5454	-6.2	N				
-8	5639	-6.2	N			4373 6759	
-9	5721	-7.5	N			4580 6688	
-10	2508	-7.2	N			4373 6759	
-11	5057	-6.3	N				
-12	5082	-7.9	N			2845 6739	
-13	3712	-9.1	N				

ANI 4/7/14

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # _____

Summa Canister Dilution Worksheet

Client: Stantec Consulting Services Inc

Job No.: 200-21727-1
SDG No.: 200-21727

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Date	Analyst
200-21727-9	6	-8.2	0.73	4.36	38.7	3.63	21.80		5.00	5.00	04/10/14 15:04	Desjardins, William R

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg

Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig

Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)

14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

200-21318-A-7
2594
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 3/10/2014 12:00 AM 200-636433

Loc: 200
21318
#7
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		
OVEN 3+4	15	3/10/14	VS	6L	1L	3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	3706	-29.3	-29.5	-29.3	0.2
2	5094	↓	↓	↓	
3	4099				
4	4807				
5	4433				
6	3154				
7	2594				
8	5611				
9	4332				
10	4866				
11	4443				
12	4429	↓	↓	↓	

Initial Reading	Final Reading
Gauge ID: G13	Gauge ID: G-13
Date: 3/11/14	Date: 3/13/14
Time: 1600	Time: 1345
Tech: VS	Tech: MT
BP: 29.3 ("Hg)	BP: 29.3 ("Hg)
Temp 22 (°C)	Temp: 22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
2594	3/13/14	6528 (6)	BC		✓				3/14/14	ANL

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

Routine

200-21519-A-8
4580
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 3/24/2014 12:00 AM 200-639684

Loc: 200
21519
#8
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test						
System ID	# Cycles	Cleaning Date	Technician	Canister Size		
Oven 3+4	420	3/24/14	VS	(6L)	1L	3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	3219	-29.7	-30.0	-29.6	0.4
2	4446				
3	5721				
4	3552				
5	4441				
6	2620				
7	3326				
8	4580				
9	2707				
10	5701				
11	3487				
12	4265				

Initial Reading	Final Reading
Gauge ID: G13	Gauge ID: G13
Date: 3/25/14	Date: 3/26/14
Time: 1200	Time: 1145
Tech: VS	Tech: MT
BP: 29.7 ("Hg)	BP: 29.6 ("Hg)
Temp 22 (°C)	Temp: 22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
4580	3/25/14	6688	WMD		✓				3/26/14	BWL

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

Routine

200-21533-A-9
2845
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 3/25/2014 12:00 AM 200-840063

Loc: 200
21533
#9
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		
Oven 3+9	20	3/25/14	VS	(6L)	1L	3L

Port	Can ID	Leak Test Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	5092	-29.6	-29.9	-29.6	0.3
2	5454				
3	3201				
4	4384				
5	2533				
6	5673				
7	5128				
8	4789				
9	2845				
10	3712				
11	5101				
12	5082	↓	↓	↓	↓

VS 3/28/14

Initial Reading		Final Reading	
Gauge ID:	G13	Gauge ID:	G13
Date:	3/26/14	Date:	3/28/14
Time:	1100	Time:	1400
Tech:	ME	Tech:	VS
BP:	29.6 ("Hg)	BP:	29.6 ("Hg)
Temp	27 (°C)	Temp:	22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review Date	Reviewer
2845	~~3/27/14~~	~~6720~~ (6)	BL		✓	BL		3/28/14	3	
	3/28/14	6739 (W)	BC		✓				3/28/14	ANL

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

Routine

200-21537-A-4
3328
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 3/25/2014 12:00 AM 200-640101

Loc: 200
21537
#4
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
TO15	15	3/25/14	VS	(6L) 1L 3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	2902	-30.3	-30.1	-29.9	0.2
2	5080				
3	4475				
4	3328				
5	5043				
6	3559				
7	2680				
8	5648				
9	3340				
10	2720				
11	2847				
12	4835				

Initial Reading		Final Reading	
Gauge ID:	G13	Gauge ID:	613
Date:	3/26/14	Date:	3/27/14
Time:	0905	Time:	1500
Tech:	WND	Tech:	MC
BP:	29.6 ("Hg)	BP:	29.9 ("Hg)
Temp	22 (°C)	Temp:	22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
3328	3/26/14	6692	PAD		✓				3/26/14	AMI

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: (No tags)

Routine

Pre-Shipment Clean Canister Certification Report

200-21554-A-9
4373
Location: Air-Storage
Bottle: Summa Canister 6L
Samples: 3/26/2014 12:00 AM 200-640359

Loc: 200
21554
#9
A

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		
OVM 1+2	15	3/26/14	VS	6L	1L	3L

Leak Test

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	5057	-29.9	-29.9	-29.5	0.4
2	5604				
3	4567				
4	3614				
5	5060				
6	5639				
7	2508				
8	~~4574~~				
9	4373				
10	2851				
11	2785				
12	5463	″	″	″	″

VB 3/28/14

Initial Reading		Final Reading	
Gauge ID:	613	Gauge ID:	G13
Date:	3/27/14	Date:	3/28/14
Time:	900	Time:	1420
Tech:	MC	Tech:	VS
BP:	29.9 ("Hg)	BP:	29.5 ("Hg)
Temp	77 (°C)	Temp:	22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
4373	3/28/14	6259	WMD		✓				3/31/14	AMH

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

Routine / AMH

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 6528_003.D

Lab ID: LCS 200-69419/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.56	86	70-130	
Dichlorodifluoromethane	10.0	9.72	97	70-130	
Freon 22	10.0	9.97	100	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.8	108	70-130	
Chloromethane	10.0	9.64	96	70-130	
n-Butane	10.0	10.2	102	70-130	
Vinyl chloride	10.0	9.40	94	70-130	
1,3-Butadiene	10.0	9.68	97	70-130	
Bromomethane	10.0	9.70	97	70-130	
Chloroethane	10.0	9.70	97	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.65	96	70-130	
Trichlorofluoromethane	10.0	9.41	94	70-130	
Ethanol	15.0	15.0	100	70-130	
Freon TF	10.0	9.78	98	70-130	
1,1-Dichloroethene	10.0	9.50	95	70-130	
Acetone	10.0	10.2	102	70-130	
Isopropyl alcohol	10.0	8.30	83	70-130	
Carbon disulfide	10.0	11.2	112	70-130	
3-Chloropropene	10.0	9.58	96	70-130	
Methylene Chloride	10.0	10.0	100	70-130	
tert-Butyl alcohol	10.0	9.01	90	70-130	
Methyl tert-butyl ether	10.0	10.0	100	70-130	
trans-1,2-Dichloroethene	10.0	10.7	107	70-130	
n-Hexane	10.0	10.7	107	70-130	
1,1-Dichloroethane	10.0	9.74	97	70-130	
Vinyl acetate	10.0	10.0	100	70-130	
Ethyl acetate	10.0	10.7	107	70-130	
Methyl Ethyl Ketone	10.0	9.32	93	70-130	
cis-1,2-Dichloroethene	10.0	9.61	96	70-130	
Chloroform	10.0	9.75	98	70-130	
Tetrahydrofuran	10.0	10.8	108	70-130	
1,1,1-Trichloroethane	10.0	9.96	100	70-130	
Cyclohexane	10.0	10.4	104	70-130	
Carbon tetrachloride	10.0	9.63	96	70-130	
2,2,4-Trimethylpentane	10.0	10.2	103	70-130	
Benzene	10.0	9.99	100	70-130	
1,2-Dichloroethane	10.0	10.1	101	70-130	
n-Heptane	10.0	9.86	99	70-130	
Trichloroethene	10.0	9.37	94	70-130	
Methyl methacrylate	10.0	10.3	103	70-130	
1,2-Dichloropropane	10.0	9.87	99	70-130	
1,4-Dioxane	10.0	8.61	86	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 6528_003.D

Lab ID: LCS 200-69419/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.96	100	70-130	
cis-1,3-Dichloropropene	10.0	10.1	101	70-130	
methyl isobutyl ketone	10.0	10.1	101	70-130	
Toluene	10.0	9.82	98	70-130	
trans-1,3-Dichloropropene	10.0	10.2	102	70-130	
1,1,2-Trichloroethane	10.0	10.1	101	70-130	
Tetrachloroethene	10.0	9.42	94	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.4	104	70-130	
Dibromochloromethane	10.0	10.0	100	70-130	
1,2-Dibromoethane	10.0	10.2	102	70-130	
Chlorobenzene	10.0	9.95	99	70-130	
Ethylbenzene	10.0	10.1	101	70-130	
m,p-Xylene	20.0	20.0	100	70-130	
Xylene, o-	10.0	9.78	98	70-130	
Styrene	10.0	10.6	106	70-130	
Bromoform	10.0	10.1	102	70-130	
Cumene	10.0	9.90	99	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.2	102	70-130	
n-Propylbenzene	10.0	10.3	103	70-130	
4-Ethyltoluene	10.0	10.7	107	70-130	
1,3,5-Trimethylbenzene	10.0	9.91	99	70-130	
2-Chlorotoluene	10.0	10.2	102	70-130	
tert-Butylbenzene	10.0	9.67	97	70-130	
1,2,4-Trimethylbenzene	10.0	10.1	101	70-130	
sec-Butylbenzene	10.0	9.98	100	70-130	
4-Isopropyltoluene	10.0	10.1	102	70-130	
1,3-Dichlorobenzene	10.0	10.6	106	70-130	
1,4-Dichlorobenzene	10.0	10.5	105	70-130	
Benzyl chloride	10.0	10.1	101	70-130	
n-Butylbenzene	10.0	10.4	104	70-130	
1,2-Dichlorobenzene	10.0	9.65	96	70-130	
1,2,4-Trichlorobenzene	10.0	8.88	89	70-130	
Hexachlorobutadiene	10.0	12.1	121	70-130	
Naphthalene	10.0	8.42	84	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 6688_03.D

Lab ID: LCS 200-69859/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.38	84	70-130	
Dichlorodifluoromethane	10.0	9.30	93	70-130	
Freon 22	10.0	9.12	91	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.92	99	70-130	
Chloromethane	10.0	8.66	87	70-130	
n-Butane	10.0	8.66	87	70-130	
Vinyl chloride	10.0	8.15	81	70-130	
1,3-Butadiene	10.0	8.58	86	70-130	
Bromomethane	10.0	8.78	88	70-130	
Chloroethane	10.0	9.04	90	70-130	
Bromoethene(Vinyl Bromide)	10.0	8.98	90	70-130	
Trichlorofluoromethane	10.0	8.65	87	70-130	
Ethanol	15.0	13.8	92	70-130	
Freon TF	10.0	9.00	90	70-130	
1,1-Dichloroethene	10.0	9.00	90	70-130	
Acetone	10.0	8.97	90	70-130	
Isopropyl alcohol	10.0	8.66	87	70-130	
Carbon disulfide	10.0	10.6	106	70-130	
3-Chloropropene	10.0	8.10	81	70-130	
Methylene Chloride	10.0	8.83	88	70-130	
tert-Butyl alcohol	10.0	9.32	93	70-130	
Methyl tert-butyl ether	10.0	9.09	91	70-130	
trans-1,2-Dichloroethene	10.0	9.39	94	70-130	
n-Hexane	10.0	9.28	93	70-130	
1,1-Dichloroethane	10.0	8.66	87	70-130	
Vinyl acetate	10.0	8.94	89	70-130	
Ethyl acetate	10.0	10.6	106	70-130	
Methyl Ethyl Ketone	10.0	8.66	87	70-130	
cis-1,2-Dichloroethene	10.0	9.05	91	70-130	
Chloroform	10.0	9.02	90	70-130	
Tetrahydrofuran	10.0	8.16	82	70-130	
1,1,1-Trichloroethane	10.0	8.85	89	70-130	
Cyclohexane	10.0	8.91	89	70-130	
Carbon tetrachloride	10.0	8.62	86	70-130	
2,2,4-Trimethylpentane	10.0	8.64	86	70-130	
Benzene	10.0	8.79	88	70-130	
1,2-Dichloroethane	10.0	8.60	86	70-130	
n-Heptane	10.0	8.43	84	70-130	
Trichloroethene	10.0	8.78	88	70-130	
Methyl methacrylate	10.0	9.53	95	70-130	
1,2-Dichloropropane	10.0	8.66	87	70-130	
1,4-Dioxane	10.0	9.56	96	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 6688_03.D

Lab ID: LCS 200-69859/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	8.79	88	70-130	
cis-1,3-Dichloropropene	10.0	9.23	92	70-130	
methyl isobutyl ketone	10.0	8.97	90	70-130	
Toluene	10.0	9.06	91	70-130	
trans-1,3-Dichloropropene	10.0	8.76	88	70-130	
1,1,2-Trichloroethane	10.0	9.07	91	70-130	
Tetrachloroethene	10.0	8.75	88	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.90	89	70-130	
Dibromochloromethane	10.0	8.75	87	70-130	
1,2-Dibromoethane	10.0	9.03	90	70-130	
Chlorobenzene	10.0	8.81	88	70-130	
Ethylbenzene	10.0	8.81	88	70-130	
m,p-Xylene	20.0	18.0	90	70-130	
Xylene, o-	10.0	8.87	89	70-130	
Styrene	10.0	9.03	90	70-130	
Bromoform	10.0	8.92	89	70-130	
Cumene	10.0	9.00	90	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.95	90	70-130	
n-Propylbenzene	10.0	8.94	89	70-130	
4-Ethyltoluene	10.0	9.28	93	70-130	
1,3,5-Trimethylbenzene	10.0	8.82	88	70-130	
2-Chlorotoluene	10.0	8.82	88	70-130	
tert-Butylbenzene	10.0	8.94	89	70-130	
1,2,4-Trimethylbenzene	10.0	8.77	88	70-130	
sec-Butylbenzene	10.0	9.16	92	70-130	
4-Isopropyltoluene	10.0	9.12	91	70-130	
1,3-Dichlorobenzene	10.0	8.89	89	70-130	
1,4-Dichlorobenzene	10.0	8.85	88	70-130	
Benzyl chloride	10.0	8.68	87	70-130	
n-Butylbenzene	10.0	8.96	90	70-130	
1,2-Dichlorobenzene	10.0	8.84	88	70-130	
1,2,4-Trichlorobenzene	10.0	9.23	92	70-130	
Hexachlorobutadiene	10.0	9.25	93	70-130	
Naphthalene	10.0	8.82	88	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 6739_003.d

Lab ID: LCS 200-69997/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	9.34	93	70-130	
Dichlorodifluoromethane	10.0	9.21	92	70-130	
Freon 22	10.0	9.13	91	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.87	99	70-130	
Chloromethane	10.0	8.98	90	70-130	
n-Butane	10.0	9.37	94	70-130	
Vinyl chloride	10.0	8.69	87	70-130	
1,3-Butadiene	10.0	9.13	91	70-130	
Bromomethane	10.0	8.63	86	70-130	
Chloroethane	10.0	9.11	91	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.35	93	70-130	
Trichlorofluoromethane	10.0	8.43	84	70-130	
Ethanol	15.0	16.1	107	70-130	
Freon TF	10.0	8.89	89	70-130	
1,1-Dichloroethene	10.0	9.48	95	70-130	
Acetone	10.0	10.5	105	70-130	
Isopropyl alcohol	10.0	7.97	80	70-130	
Carbon disulfide	10.0	10.6	106	70-130	
3-Chloropropene	10.0	9.47	95	70-130	
Methylene Chloride	10.0	9.15	91	70-130	
tert-Butyl alcohol	10.0	8.35	83	70-130	
Methyl tert-butyl ether	10.0	10.3	103	70-130	
trans-1,2-Dichloroethene	10.0	9.90	99	70-130	
n-Hexane	10.0	11.3	113	70-130	
1,1-Dichloroethane	10.0	8.87	89	70-130	
Vinyl acetate	10.0	9.52	95	70-130	
Ethyl acetate	10.0	10.5	105	70-130	
Methyl Ethyl Ketone	10.0	9.48	95	70-130	
cis-1,2-Dichloroethene	10.0	9.69	97	70-130	
Chloroform	10.0	8.88	89	70-130	
Tetrahydrofuran	10.0	9.81	98	70-130	
1,1,1-Trichloroethane	10.0	9.06	91	70-130	
Cyclohexane	10.0	10.7	107	70-130	
Carbon tetrachloride	10.0	8.68	87	70-130	
2,2,4-Trimethylpentane	10.0	10.8	108	70-130	
Benzene	10.0	9.52	95	70-130	
1,2-Dichloroethane	10.0	9.06	91	70-130	
n-Heptane	10.0	10.7	107	70-130	
Trichloroethene	10.0	9.60	96	70-130	
Methyl methacrylate	10.0	10.2	102	70-130	
1,2-Dichloropropane	10.0	9.41	94	70-130	
1,4-Dioxane	10.0	8.80	88	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 6739_003.d

Lab ID: LCS 200-69997/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.12	91	70-130	
cis-1,3-Dichloropropene	10.0	10.7	107	70-130	
methyl isobutyl ketone	10.0	9.65	97	70-130	
Toluene	10.0	9.93	99	70-130	
trans-1,3-Dichloropropene	10.0	10.2	102	70-130	
1,1,2-Trichloroethane	10.0	9.31	93	70-130	
Tetrachloroethene	10.0	9.39	94	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.48	95	70-130	
Dibromochloromethane	10.0	9.17	92	70-130	
1,2-Dibromoethane	10.0	9.78	98	70-130	
Chlorobenzene	10.0	9.08	91	70-130	
Ethylbenzene	10.0	9.84	98	70-130	
m,p-Xylene	20.0	19.5	97	70-130	
Xylene, o-	10.0	10.4	104	70-130	
Styrene	10.0	10.4	104	70-130	
Bromoform	10.0	9.22	92	70-130	
Cumene	10.0	10.3	103	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.94	89	70-130	
n-Propylbenzene	10.0	9.86	99	70-130	
4-Ethyltoluene	10.0	9.52	95	70-130	
1,3,5-Trimethylbenzene	10.0	9.01	90	70-130	
2-Chlorotoluene	10.0	8.81	88	70-130	
tert-Butylbenzene	10.0	9.03	90	70-130	
1,2,4-Trimethylbenzene	10.0	9.09	91	70-130	
sec-Butylbenzene	10.0	9.02	90	70-130	
4-Isopropyltoluene	10.0	9.24	92	70-130	
1,3-Dichlorobenzene	10.0	8.72	87	70-130	
1,4-Dichlorobenzene	10.0	9.11	91	70-130	
Benzyl chloride	10.0	9.10	91	70-130	
n-Butylbenzene	10.0	8.89	89	70-130	
1,2-Dichlorobenzene	10.0	8.67	87	70-130	
1,2,4-Trichlorobenzene	10.0	9.50	95	70-130	
Hexachlorobutadiene	10.0	8.41	84	70-130	
Naphthalene	10.0	9.40	94	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 6692_003.D

Lab ID: LCS 200-69867/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	7.81	78	70-130	
Dichlorodifluoromethane	10.0	8.59	86	70-130	
Freon 22	10.0	8.01	80	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.04	90	70-130	
Chloromethane	10.0	7.54	75	70-130	
n-Butane	10.0	7.76	78	70-130	
Vinyl chloride	10.0	7.74	77	70-130	
1,3-Butadiene	10.0	7.74	77	70-130	
Bromomethane	10.0	8.66	87	70-130	
Chloroethane	10.0	8.67	87	70-130	
Bromoethene(Vinyl Bromide)	10.0	8.88	89	70-130	
Trichlorofluoromethane	10.0	8.88	89	70-130	
Ethanol	15.0	12.4	83	70-130	
Freon TF	10.0	8.78	88	70-130	
1,1-Dichloroethene	10.0	8.66	87	70-130	
Acetone	10.0	9.13	91	70-130	
Isopropyl alcohol	10.0	7.84	78	70-130	
Carbon disulfide	10.0	9.93	99	70-130	
3-Chloropropene	10.0	7.47	75	70-130	
Methylene Chloride	10.0	8.21	82	70-130	
tert-Butyl alcohol	10.0	8.34	83	70-130	
Methyl tert-butyl ether	10.0	8.78	88	70-130	
trans-1,2-Dichloroethene	10.0	9.07	91	70-130	
n-Hexane	10.0	8.94	89	70-130	
1,1-Dichloroethane	10.0	8.19	82	70-130	
Vinyl acetate	10.0	8.66	87	70-130	
Ethyl acetate	10.0	10.0	100	70-130	
Methyl Ethyl Ketone	10.0	8.28	83	70-130	
cis-1,2-Dichloroethene	10.0	8.77	88	70-130	
Chloroform	10.0	8.79	88	70-130	
Tetrahydrofuran	10.0	9.27	93	70-130	
1,1,1-Trichloroethane	10.0	9.25	93	70-130	
Cyclohexane	10.0	9.27	93	70-130	
Carbon tetrachloride	10.0	9.00	90	70-130	
2,2,4-Trimethylpentane	10.0	8.71	87	70-130	
Benzene	10.0	8.79	88	70-130	
1,2-Dichloroethane	10.0	8.80	88	70-130	
n-Heptane	10.0	8.26	83	70-130	
Trichloroethene	10.0	8.88	89	70-130	
Methyl methacrylate	10.0	9.49	95	70-130	
1,2-Dichloropropane	10.0	8.57	86	70-130	
1,4-Dioxane	10.0	8.85	88	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 6692_003.D

Lab ID: LCS 200-69867/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	8.97	90	70-130	
cis-1,3-Dichloropropene	10.0	8.99	90	70-130	
methyl isobutyl ketone	10.0	8.77	88	70-130	
Toluene	10.0	8.97	90	70-130	
trans-1,3-Dichloropropene	10.0	9.10	91	70-130	
1,1,2-Trichloroethane	10.0	8.91	89	70-130	
Tetrachloroethene	10.0	9.21	92	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.61	86	70-130	
Dibromochloromethane	10.0	9.08	91	70-130	
1,2-Dibromoethane	10.0	9.26	93	70-130	
Chlorobenzene	10.0	9.03	90	70-130	
Ethylbenzene	10.0	9.10	91	70-130	
m,p-Xylene	20.0	18.4	92	70-130	
Xylene, o-	10.0	9.03	90	70-130	
Styrene	10.0	9.20	92	70-130	
Bromoform	10.0	9.39	94	70-130	
Cumene	10.0	9.12	91	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.98	90	70-130	
n-Propylbenzene	10.0	9.09	91	70-130	
4-Ethyltoluene	10.0	9.36	94	70-130	
1,3,5-Trimethylbenzene	10.0	9.11	91	70-130	
2-Chlorotoluene	10.0	8.97	90	70-130	
tert-Butylbenzene	10.0	9.09	91	70-130	
1,2,4-Trimethylbenzene	10.0	8.90	89	70-130	
sec-Butylbenzene	10.0	9.05	91	70-130	
4-Isopropyltoluene	10.0	9.18	92	70-130	
1,3-Dichlorobenzene	10.0	9.34	93	70-130	
1,4-Dichlorobenzene	10.0	9.37	94	70-130	
Benzyl chloride	10.0	8.77	88	70-130	
n-Butylbenzene	10.0	9.15	92	70-130	
1,2-Dichlorobenzene	10.0	9.32	93	70-130	
1,2,4-Trichlorobenzene	10.0	8.75	88	70-130	
Hexachlorobutadiene	10.0	8.84	88	70-130	
Naphthalene	10.0	7.89	79	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 6759_03.D

Lab ID: LCS 200-70021/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.60	86	70-130	
Dichlorodifluoromethane	10.0	9.73	97	70-130	
Freon 22	10.0	9.45	95	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.3	103	70-130	
Chloromethane	10.0	8.99	90	70-130	
n-Butane	10.0	8.98	90	70-130	
Vinyl chloride	10.0	8.43	84	70-130	
1,3-Butadiene	10.0	8.83	88	70-130	
Bromomethane	10.0	9.31	93	70-130	
Chloroethane	10.0	9.66	97	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.27	93	70-130	
Trichlorofluoromethane	10.0	8.94	89	70-130	
Ethanol	15.0	13.9	93	70-130	
Freon TF	10.0	9.27	93	70-130	
1,1-Dichloroethene	10.0	9.32	93	70-130	
Acetone	10.0	9.26	93	70-130	
Isopropyl alcohol	10.0	8.60	86	70-130	
Carbon disulfide	10.0	11.0	110	70-130	
3-Chloropropene	10.0	8.24	82	70-130	
Methylene Chloride	10.0	9.14	91	70-130	
tert-Butyl alcohol	10.0	9.34	93	70-130	
Methyl tert-butyl ether	10.0	9.36	94	70-130	
trans-1,2-Dichloroethene	10.0	9.77	98	70-130	
n-Hexane	10.0	9.54	95	70-130	
1,1-Dichloroethane	10.0	8.98	90	70-130	
Vinyl acetate	10.0	9.15	92	70-130	
Ethyl acetate	10.0	10.7	107	70-130	
Methyl Ethyl Ketone	10.0	8.99	90	70-130	
cis-1,2-Dichloroethene	10.0	9.22	92	70-130	
Chloroform	10.0	9.27	93	70-130	
Tetrahydrofuran	10.0	8.40	84	70-130	
1,1,1-Trichloroethane	10.0	9.10	91	70-130	
Cyclohexane	10.0	9.22	92	70-130	
Carbon tetrachloride	10.0	8.90	89	70-130	
2,2,4-Trimethylpentane	10.0	8.97	90	70-130	
Benzene	10.0	9.15	92	70-130	
1,2-Dichloroethane	10.0	8.97	90	70-130	
n-Heptane	10.0	8.73	87	70-130	
Trichloroethene	10.0	8.95	89	70-130	
Methyl methacrylate	10.0	9.91	99	70-130	
1,2-Dichloropropane	10.0	9.04	90	70-130	
1,4-Dioxane	10.0	9.84	98	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 6759_03.D

Lab ID: LCS 200-70021/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.11	91	70-130	
cis-1,3-Dichloropropene	10.0	9.56	96	70-130	
methyl isobutyl ketone	10.0	9.38	94	70-130	
Toluene	10.0	9.27	93	70-130	
trans-1,3-Dichloropropene	10.0	9.11	91	70-130	
1,1,2-Trichloroethane	10.0	9.43	94	70-130	
Tetrachloroethene	10.0	8.98	90	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.21	92	70-130	
Dibromochloromethane	10.0	8.94	89	70-130	
1,2-Dibromoethane	10.0	9.27	93	70-130	
Chlorobenzene	10.0	9.09	91	70-130	
Ethylbenzene	10.0	9.06	91	70-130	
m,p-Xylene	20.0	18.6	93	70-130	
Xylene, o-	10.0	9.13	91	70-130	
Styrene	10.0	9.24	92	70-130	
Bromoform	10.0	9.12	91	70-130	
Cumene	10.0	9.25	93	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.33	93	70-130	
n-Propylbenzene	10.0	9.25	93	70-130	
4-Ethyltoluene	10.0	9.60	96	70-130	
1,3,5-Trimethylbenzene	10.0	9.13	91	70-130	
2-Chlorotoluene	10.0	9.17	92	70-130	
tert-Butylbenzene	10.0	9.18	92	70-130	
1,2,4-Trimethylbenzene	10.0	9.03	90	70-130	
sec-Butylbenzene	10.0	9.44	94	70-130	
4-Isopropyltoluene	10.0	9.40	94	70-130	
1,3-Dichlorobenzene	10.0	9.18	92	70-130	
1,4-Dichlorobenzene	10.0	9.06	91	70-130	
Benzyl chloride	10.0	8.98	90	70-130	
n-Butylbenzene	10.0	9.31	93	70-130	
1,2-Dichlorobenzene	10.0	9.09	91	70-130	
1,2,4-Trichlorobenzene	10.0	9.45	95	70-130	
Hexachlorobutadiene	10.0	9.40	94	70-130	
Naphthalene	10.0	9.14	91	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Lab File ID: 6528_004.D Lab Sample ID: MB 200-69419/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHG.i Date Analyzed: 03/12/2014 11:24

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-69419/3	6528_003.D	03/12/2014 10:36
2594	200-21318-7	6528_025.D	03/13/2014 04:02

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-69419/4

Matrix: Air Lab File ID: 6528_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/12/2014 11:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69419 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-69419/4

Matrix: Air Lab File ID: 6528_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/12/2014 11:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69419 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-69419/4

Matrix: Air Lab File ID: 6528_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/12/2014 11:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69419 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140312-6528.b\6528_004.D
Lims ID: MB Lab Sample ID: Client 200-69419/4-A
Client ID:
Sample Type: Client
Inject. Date: 12-Mar-2014 11:24:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006528-004
Misc. Info.: MB
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140312-6528.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 12-Mar-2014 12:57:55 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: lyonsb Date: 12-Mar-2014 12:57:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		3.052					
2 Dichlorodifluoromethane	85		3.127					
3 Difluoroethane TIC	51		3.150					
4 Chlorotrifluoroethene TIC	116		3.162					
6 Chlorodifluoromethane	51		3.175					
5 Freon 115 TIC	85		3.180					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.400					
8 Chloromethane	50		3.534					
9 Butane	43		3.753					
10 Vinyl chloride	62		3.790					
11 Butadiene	54		3.876					
12 Bromomethane	94		4.566					
14 Chloroethane	64		4.818					
15 2-Methylbutane	43		4.909					
16 Vinyl bromide	106		5.219					
17 Trichlorofluoromethane	101		5.336					
18 Pentane	43		5.497					
19 Ethanol	45		5.909					
20 1,1,1-Trifluoro-2,2-dichloroetha	83		6.000					
21 Ethyl ether	59		6.027					
22 Acrolein	56		6.385					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.460					
24 1,1-Dichloroethene	96		6.487					
25 Acetone	43		6.706					
26 Carbon disulfide	76		6.866					
27 Isopropyl alcohol	45		7.022					
28 Methyl Acetate TIC	43		7.200					
29 3-Chloro-1-propene	41		7.289					
30 Acetonitrile	41		7.380					
31 Methylene Chloride	49		7.578					
32 2-Methyl-2-propanol	59		7.819					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	33 Methyl tert-butyl ether	73		8.022						
	34 trans-1,2-Dichloroethene	61		8.043						
	35 Acrylonitrile	53		8.161						
	36 Hexane	57		8.477						
	37 1,1-Dichloroethane	63		8.926						
	38 Vinyl acetate	43		9.022						
	39 cis-1,2-Dichloroethene	96		10.066						
	40 2-Butanone (MEK)	72		10.108						
	42 Ethyl acetate	88		10.194						
S	41 1,2-Dichloroethene, Total	61		10.200						
*	43 Chlorobromomethane	128	10.537	10.542	-0.006		69	588025	10.0	
	44 Tetrahydrofuran	42		10.552						
	45 Chloroform	83		10.681						
	46 Cyclohexane	84		10.975						
	47 1,1,1-Trichloroethane	97		10.980						
	48 Carbon tetrachloride	117		11.253						
	49 Methyl cyclohexane TIC	55		11.500						
	50 Benzene	78		11.719						
	51 Isooctane	57		11.740						
	52 1,2-Dichloroethane	62		11.890						
	53 n-Heptane	43		12.157						
*	54 1,4-Difluorobenzene	114	12.601	12.601	0.0		91	3282417	10.0	
	55 n-Butanol	56		12.992						
	56 Trichloroethene	95		13.088						
A	57 GRO	1	13.283	4.899 - 21.668			0	1132126	0	
	58 1,2-Dichloropropane	63		13.655						
	59 Methyl methacrylate	69		13.859						
	60 1,4-Dioxane	88		13.891						
	61 Dibromomethane	174		13.912						
	62 Dichlorobromomethane	83		14.228						
A	63 TVOC as Toluene	1	15.011	3.042 - 26.981			0	1279013	5.32	
	64 cis-1,3-Dichloropropene	75		15.207						
	65 4-Methyl-2-pentanone (MIBK)	43		15.506						
	66 Toluene	92		15.827						
A	67 Toluene Range	1	15.827	15.787 - 15.867			0	15252	NC	
	69 n-Octane	43		15.945						
A	68 C8 Range	1		15.895	15.995					
	70 trans-1,3-Dichloropropene	75		16.416						
	71 1,1,2-Trichloroethane	83		16.790						
	72 Tetrachloroethene	166		16.945						
	73 2-Hexanone	43		17.266						
	74 Chlorodibromomethane	129		17.566						
	75 Ethylene Dibromide	107		17.844						
*	76 Chlorobenzene-d5	117	18.764	18.764	0.0		81	3024763	10.0	
	77 Chlorobenzene	112		18.828						
	78 Ethylbenzene	91		18.994						
	79 n-Nonane	57		19.165						
	80 m-Xylene & p-Xylene	106		19.251						
	81 1,2-Dibromo-3-Chloropropane TIC	75		19.300						
	83 o-Xylene	106		20.080						
S	82 Xylenes, Total	106		20.100						
	84 Styrene	104		20.128						

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	85 Bromoform		173		20.514				
	86 Isopropylbenzene		105		20.749				
$	87 4-Bromofluorobenzene		95	21.097	21.091	0.006	98	1342731	NC
	88 1,1,2,2-Tetrachloroethane		83		21.348				
	89 1,2,3-Trichloropropane		75		21.444				
	90 N-Propylbenzene		91		21.455				
	92 2-Chlorotoluene		91		21.637				
	91 4-Ethyltoluene		105		21.642				
	93 n-Decane		57		21.658				
	94 1,3,5-Trimethylbenzene		105		21.744				
	95 Alpha Methyl Styrene		118		22.102				
	96 tert-Butylbenzene		119		22.225				
	97 1,2,4-Trimethylbenzene		105		22.316				
	98 sec-Butylbenzene		105		22.552				
	99 4-Isopropyltoluene		119		22.750				
	100 1,3-Dichlorobenzene		146		22.766				
	101 1,4-Dichlorobenzene		146		22.900				
	102 Benzyl chloride		91		23.092				
	103 n-Butylbenzene		91		23.328				
	104 Undecane		57		23.376				
	105 1,2-Dichlorobenzene		146		23.440				
	106 Dodecane		57		24.997				
	107 1,2,4-Trichlorobenzene		180		25.997				
	108 Hexachlorobutadiene		225		26.211				
	109 Naphthalene		128		26.484				
	110 1,2,3-Trichlorobenzene		180		26.971				

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

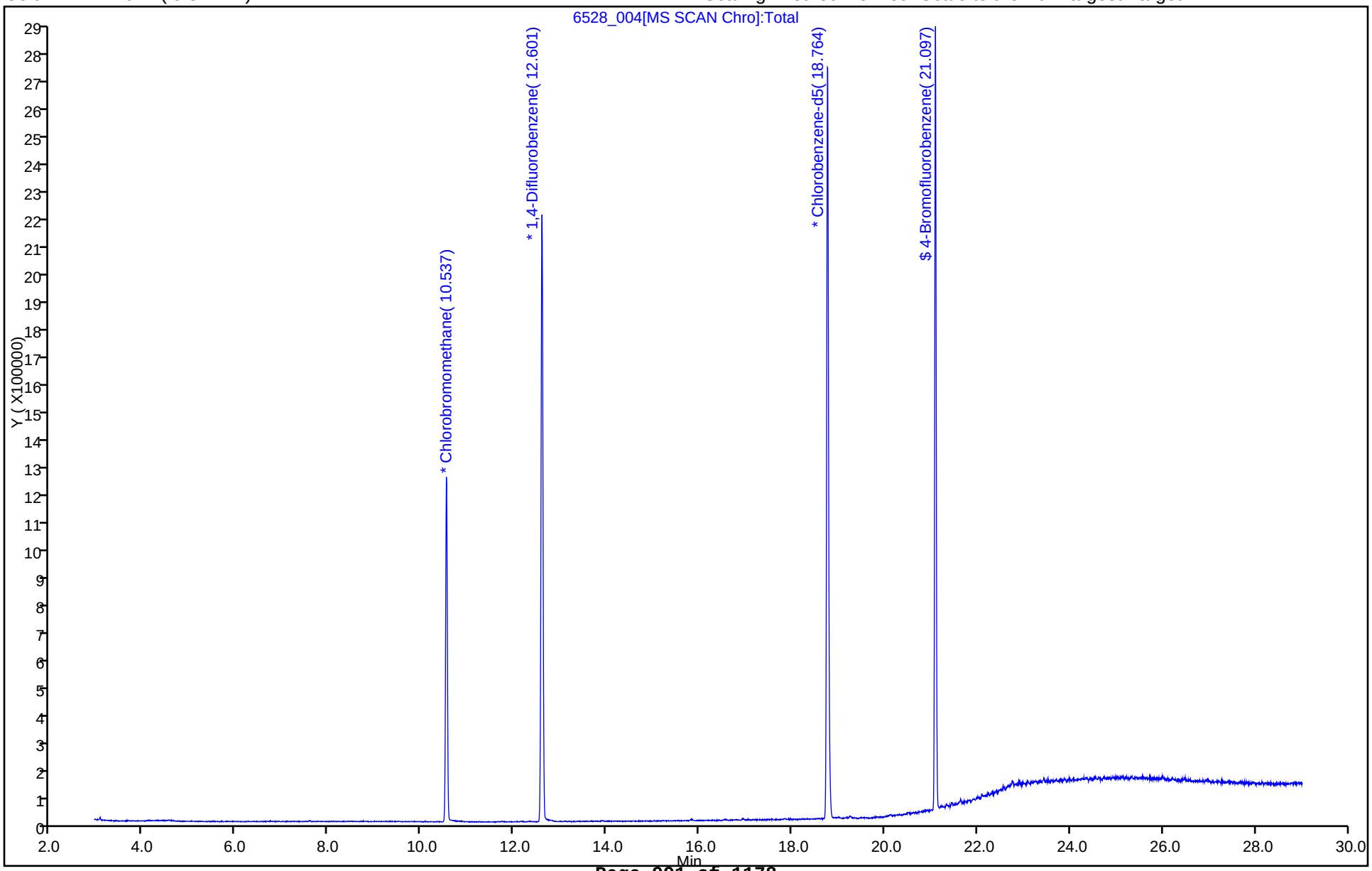
Report Date: 12-Mar-2014 12:57:56 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140312-6528.b\6528_004.D

Injection Date:	12-Mar-2014 11:24:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	MB	Lab Sample ID:	Client 200-69419/4-A	Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Lab File ID: 6688_04.D Lab Sample ID: MB 200-69859/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHC.i Date Analyzed: 03/25/2014 11:36

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-69859/3	6688_03.D	03/25/2014 10:44
4580	200-21519-8	6688_07.D	03/25/2014 14:26

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-69859/4

Matrix: Air Lab File ID: 6688_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/25/2014 11:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69859 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-69859/4

Matrix: Air Lab File ID: 6688_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/25/2014 11:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69859 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-69859/4

Matrix: Air Lab File ID: 6688_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/25/2014 11:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69859 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140325-6688.b\6688_04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 25-Mar-2014 11:36:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006688-004
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140325-6688.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Mar-2014 11:20:41 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: desjardinsb Date: 25-Mar-2014 13:51:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
4 Chlorotrifluoroethene TIC	116		3.162					
1 Propene	41		3.176					
2 Dichlorodifluoromethane	85		3.251					
5 Freon 115 TIC	85		3.261					
3 Difluoroethane TIC	51		3.272					
6 Chlorodifluoromethane	51		3.315					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.544					
8 Chloromethane	50		3.694					
9 Butane	43		3.912					
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.044					
14 2-Methylbutane	43		5.118					
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101		5.567					
17 Pentane	43		5.716					
20 1,1,1-Trifluoro-2,2-dichloroetha	83		6.000					
19 Ethanol	45		6.223					
21 Ethyl ether	59		6.287					
22 Acrolein	56		6.704					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.709					
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43		7.034					
28 Methyl Acetate TIC	43	7.077	7.040	0.037	1	1132	NC	
26 Carbon disulfide	76		7.141					
27 Isopropyl alcohol	45		7.349					
29 3-Chloro-1-propene	41		7.584					
30 Acetonitrile	41		7.750					
31 Methylene Chloride	49		7.899					
32 2-Methyl-2-propanol	59		8.155					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v		Flags
	33 Methyl tert-butyl ether			73		8.310					
	34 trans-1,2-Dichloroethene			61		8.342					
	35 Acrylonitrile			53		8.534					
	36 Hexane			57		8.732					
	37 1,1-Dichloroethane			63		9.260					
	38 Vinyl acetate			43		9.356					
S	41 1,2-Dichloroethene, Total			61		10.200					
	39 cis-1,2-Dichloroethene			96		10.423					
	40 2-Butanone (MEK)			72		10.498					
	42 Ethyl acetate			88		10.541					
*	43 Chlorobromomethane			128	10.914	10.914	0.0	64	736457	10.0	
	44 Tetrahydrofuran			42		10.925					
	45 Chloroform			83		11.053					
	46 Cyclohexane			84		11.283					
	49 Methyl cyclohexane TIC			55		11.293					
	47 1,1,1-Trichloroethane			97		11.331					
	48 Carbon tetrachloride			117		11.587					
	51 Isooctane			57		12.040					
	50 Benzene			78		12.083					
	52 1,2-Dichloroethane			62		12.291					
	53 n-Heptane			43		12.451					
*	54 1,4-Difluorobenzene			114	12.980	12.980	0.0	91	4165636	10.0	
	55 n-Butanol			56		13.423					
	56 Trichloroethene			95		13.460					
A	57 GRO			1	13.487	5.108 - 21.865		0	1070512	0	
	58 1,2-Dichloropropane			63		14.063					
	59 Methyl methacrylate			69		14.239					
	60 1,4-Dioxane			88		14.309					
	61 Dibromomethane			174		14.330					
	62 Dichlorobromomethane			83		14.634					
A	63 TVOC as Toluene			1	15.267	3.166 - 27.367		0	1232353	5.19	
	64 cis-1,3-Dichloropropene			75		15.595					
	65 4-Methyl-2-pentanone (MIBK)			43		15.894					
A	67 Toluene Range			1	16.187	16.147 - 16.227		0	10381	NC	
	66 Toluene			92		16.187					
A	69 C8 Range			1	16.230	16.180 - 16.280		0	13655	NC	
	68 n-Octane			43		16.230					
	70 trans-1,3-Dichloropropene			75		16.801					
	71 1,1,2-Trichloroethane			83		17.180					
	72 Tetrachloroethene			166		17.271					
	73 2-Hexanone			43		17.644					
	74 Chlorodibromomethane			129		17.954					
	75 Ethylene Dibromide			107		18.226					
*	76 Chlorobenzene-d5			117	19.122	19.123	-0.001	80	4086644	10.0	
	77 Chlorobenzene			112		19.181					
	80 1,2-Dibromo-3-Chloropropane TIC			75	19.122	19.331	-0.209	1	45846	NC	
	78 Ethylbenzene			91		19.331					
	79 n-Nonane			57		19.432					
	81 m-Xylene & p-Xylene			106		19.582					
S	82 Xylenes, Total			106		20.100					
	83 o-Xylene			106		20.393					
	84 Styrene			104		20.441					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	85 Bromoform	173		20.841					
	86 Isopropylbenzene	105		21.028					
$	87 4-Bromofluorobenzene	95	21.380	21.380	0.0	95	2439879	NC	
	88 1,1,2,2-Tetrachloroethane	83		21.647					
	90 N-Propylbenzene	91		21.706					
	89 1,2,3-Trichloropropane	75		21.743					
	93 n-Decane	57		21.855					
	91 4-Ethyltoluene	105		21.887					
	92 2-Chlorotoluene	91		21.903					
	94 1,3,5-Trimethylbenzene	105		21.988					
	95 Alpha Methyl Styrene	118		22.341					
	96 tert-Butylbenzene	119		22.458					
	97 1,2,4-Trimethylbenzene	105		22.554					
	98 sec-Butylbenzene	105		22.773					
	99 4-Isopropyltoluene	119		22.970					
	100 1,3-Dichlorobenzene	146		23.008					
	101 1,4-Dichlorobenzene	146		23.147					
	102 Benzyl chloride	91		23.355					
	103 n-Butylbenzene	91		23.557					
	104 Undecane	57		23.563					
	105 1,2-Dichlorobenzene	146		23.702					
	106 Dodecane	57		25.217					
	107 1,2,4-Trichlorobenzene	180		26.327					
	108 Hexachlorobutadiene	225		26.519					
	109 Naphthalene	128		26.856					
	110 1,2,3-Trichlorobenzene	180		27.357					
	111 Total Alkanes	1		0.0					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

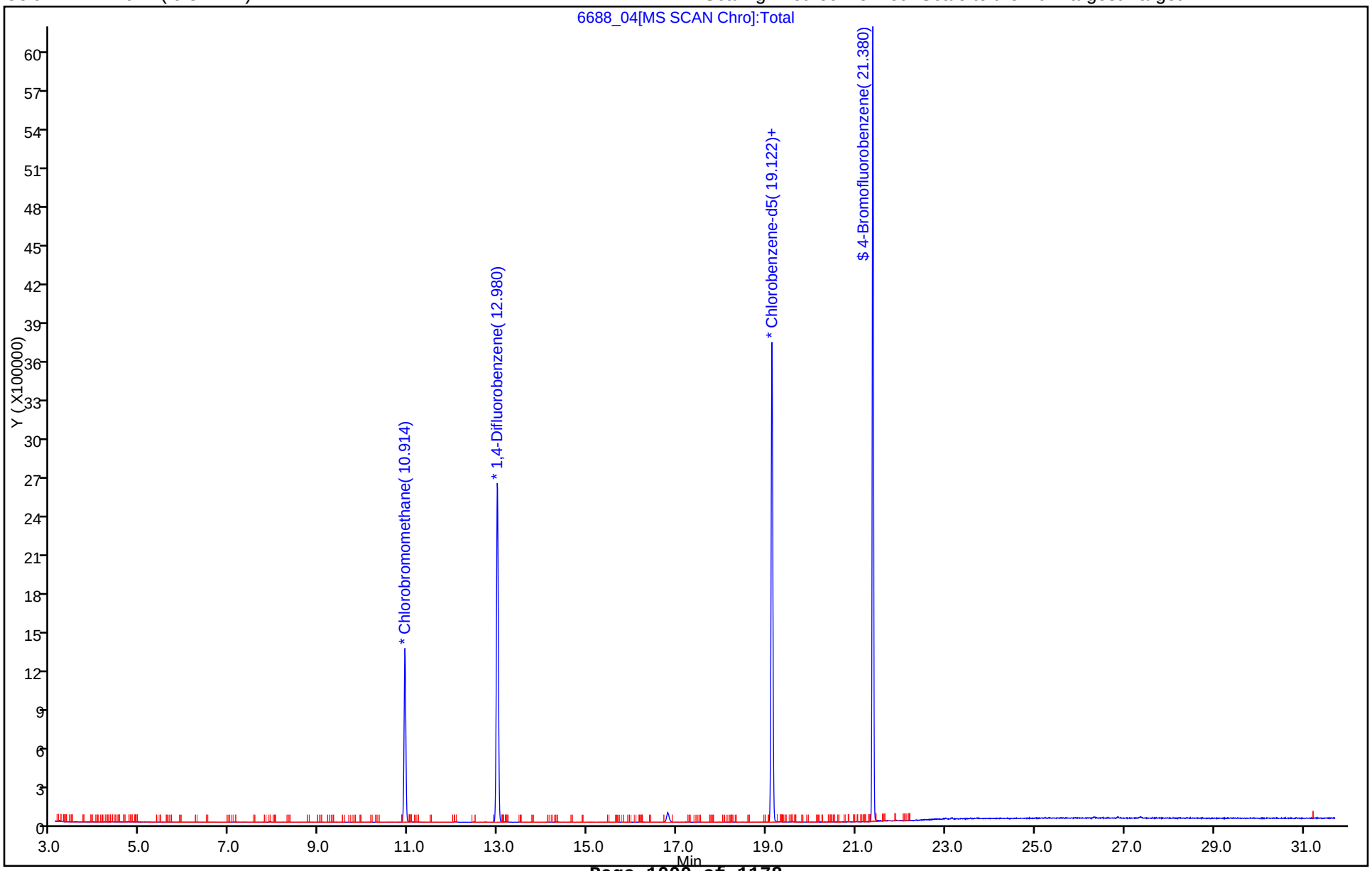
Report Date: 25-Mar-2014 13:51:43 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140325-6688.b\6688_04.D

Injection Date:	25-Mar-2014 11:36:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Lab File ID: 6739_004.d Lab Sample ID: MB 200-69997/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 03/27/2014 13:14

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-69997/3	6739_003.d	03/27/2014 12:18
2845	200-21533-9	6739_005.d	03/27/2014 14:22

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-69997/4

Matrix: Air Lab File ID: 6739_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/27/2014 13:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69997 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-69997/4

Matrix: Air Lab File ID: 6739_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/27/2014 13:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69997 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-69997/4

Matrix: Air Lab File ID: 6739_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/27/2014 13:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69997 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140327-6739.b\6739_004.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 27-Mar-2014 13:14:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006739-004
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140327-6739.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 27-Mar-2014 15:51:37 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: lyonsb Date: 27-Mar-2014 15:20:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
3 Difluoroethane TIC	51		3.150					
4 Chlorotrifluoroethene TIC	116		3.162					
5 Freon 115 TIC	85		3.180					
1 Propene	41		4.372					
2 Dichlorodifluoromethane	85		4.463					
6 Chlorodifluoromethane	51		4.533					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.816					
8 Chloromethane	50		5.014					
9 Butane	43		5.276					
10 Vinyl chloride	62		5.335					
11 Butadiene	54		5.432					
20 1,1,1-Trifluoro-2,2-dichloroetha	83		6.000					
12 Bromomethane	94		6.304					
14 Chloroethane	64		6.582					
15 2-Methylbutane	43		6.667					
16 Vinyl bromide	106		7.063					
17 Trichlorofluoromethane	101		7.181					
28 Methyl Acetate TIC	43		7.200					
18 Pentane	43		7.347					
19 Ethanol	45		7.796					
21 Ethyl ether	59		7.930					
22 Acrolein	56		8.395					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.433					
24 1,1-Dichloroethene	96		8.502					
25 Acetone	43		8.738					
26 Carbon disulfide	76		8.989					
27 Isopropyl alcohol	45		9.021					
29 3-Chloro-1-propene	41		9.390					
30 Acetonitrile	41		9.524					
31 Methylene Chloride	49		9.722					
32 2-Methyl-2-propanol	59		9.893					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	33 Methyl tert-butyl ether	73		10.150						
S	41 1,2-Dichloroethene, Total	61		10.200						
	34 trans-1,2-Dichloroethene	61		10.220						
	35 Acrylonitrile	53		10.369						
	36 Hexane	57		10.637						
	37 1,1-Dichloroethane	63		11.188						
	38 Vinyl acetate	43		11.225						
	49 Methyl cyclohexane TIC	55		11.500						
	39 cis-1,2-Dichloroethene	96		12.365						
	40 2-Butanone (MEK)	72		12.381						
	42 Ethyl acetate	88		12.402						
	44 Tetrahydrofuran	42		12.836						
*	43 Chlorobromomethane	128	12.841	12.846	-0.005	69	423570		10.0	
	45 Chloroform	83		12.959						
	46 Cyclohexane	84		13.253						
	47 1,1,1-Trichloroethane	97		13.264						
	48 Carbon tetrachloride	117		13.520						
	51 Isooctane	57		13.916						
	50 Benzene	78		13.975						
	52 1,2-Dichloroethane	62		14.136						
	53 n-Heptane	43		14.264						
*	54 1,4-Difluorobenzene	114	14.730	14.735	-0.005	92	2001371		10.0	
A	57 GRO	1	14.759	6.657 -	22.860	0	413887		0	
	55 n-Butanol	56		15.013						
	56 Trichloroethene	95		15.200						
	58 1,2-Dichloropropane	63		15.724						
	59 Methyl methacrylate	69		15.805						
	60 1,4-Dioxane	88		15.901						
	61 Dibromomethane	174		15.965						
	62 Dichlorobromomethane	83		16.211						
A	63 TVOC as Toluene	1	16.623	4.362 -	28.884	0	755663		5.21	
	64 cis-1,3-Dichloropropene	75		17.078						
	65 4-Methyl-2-pentanone (MIBK)	43		17.308						
	69 n-Octane	43		17.645						
A	68 C8 Range	1	17.659	17.595 -	17.695	0	5552		NC	
	66 Toluene	92	17.650	17.650	0.0	2	274		0.002169	
A	67 Toluene Range	1	17.650	17.610 -	17.690	0	7018		NC	
	70 trans-1,3-Dichloropropene	75		18.185						
	71 1,1,2-Trichloroethane	83		18.554						
	72 Tetrachloroethene	166		18.688						
	73 2-Hexanone	43		18.940						
	81 1,2-Dibromo-3-Chloropropane TIC	75		19.300						
	74 Chlorodibromomethane	129		19.309						
	75 Ethylene Dibromide	107		19.592						
S	82 Xylenes, Total	106				0			0.003486	
*	76 Chlorobenzene-d5	117	20.438	20.438	0.0	83	1741797		10.0	
	77 Chlorobenzene	112		20.491						
	78 Ethylbenzene	91		20.609						
	79 n-Nonane	57		20.662						
	80 m-Xylene & p-Xylene	106	20.817	20.828	-0.011	1	415		0.003486	
	83 o-Xylene	106		21.540						
	84 Styrene	104		21.577						

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
85	Bromoform	173		21.957					
86	Isopropylbenzene	105		22.101					
$ 87	4-Bromofluorobenzene	95	22.438	22.438	0.0	98	1072016	NC	
88	1,1,2,2-Tetrachloroethane	83		22.663					
90	N-Propylbenzene	91		22.738					
89	1,2,3-Trichloropropane	75		22.765					
93	n-Decane	57		22.850					
91	4-Ethyltoluene	105		22.904					
92	2-Chlorotoluene	91		22.936					
94	1,3,5-Trimethylbenzene	105		22.995					
95	Alpha Methyl Styrene	118		23.348					
96	tert-Butylbenzene	119		23.471					
97	1,2,4-Trimethylbenzene	105		23.567					
98	sec-Butylbenzene	105		23.802					
99	4-Isopropyltoluene	119		24.006					
100	1,3-Dichlorobenzene	146	24.070	24.075	-0.005	56	5155	0.0208	
101	1,4-Dichlorobenzene	146	24.220	24.220	0.0	61	5563	0.0241	
102	Benzyl chloride	91		24.428					
104	Undecane	57		24.621					
103	n-Butylbenzene	91		24.642					
105	1,2-Dichlorobenzene	146		24.824					
106	Dodecane	57		26.424					
107	1,2,4-Trichlorobenzene	180	27.719	27.713	0.006	10	4067	0.0329	
108	Hexachlorobutadiene	225		27.916					
109	Naphthalene	128		28.302					
110	1,2,3-Trichlorobenzene	180		28.874					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

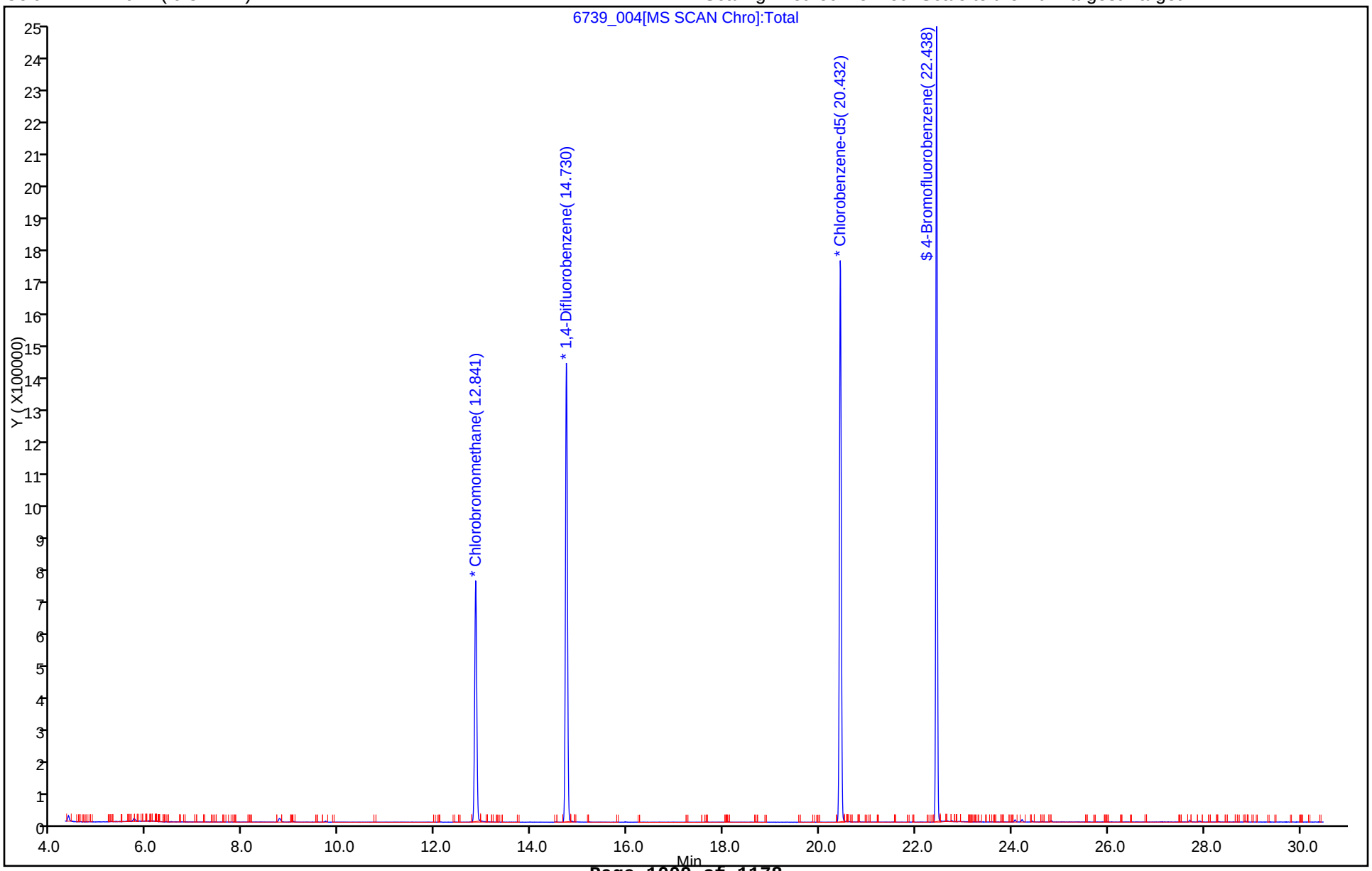
Report Date: 27-Mar-2014 15:51:38 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140327-6739.b\6739_004.d

Injection Date:	27-Mar-2014 13:14:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	MB			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Lab File ID: 6692_004.D Lab Sample ID: MB 200-69867/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHB.i Date Analyzed: 03/25/2014 13:15

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-69867/3	6692_003.D	03/25/2014 12:23
3328	200-21537-4	6692_028.D	03/26/2014 09:53

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-69867/4

Matrix: Air Lab File ID: 6692_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/25/2014 13:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69867 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-69867/4

Matrix: Air Lab File ID: 6692_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/25/2014 13:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69867 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-69867/4

Matrix: Air Lab File ID: 6692_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/25/2014 13:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69867 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20140325-6692.b\6692_004.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 25-Mar-2014 13:15:30 ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006692-004
Misc. Info.: mb
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20140325-6692.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 26-Mar-2014 12:00:03 Calib Date: 14-Mar-2014 18:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140314-6557.b\6557_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: daiglep Date: 26-Mar-2014 12:07:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Difluoroethane TIC	51		3.150					
2 Chlorotrifluoroethene TIC	116		3.162					
4 Propene	41		3.170					
3 Freon 115 TIC	85		3.180					
5 Dichlorodifluoromethane	85		3.229					
6 Chlorodifluoromethane	51		3.272					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.464					
8 Chloromethane	50		3.603					
9 Butane	43		3.784					
10 Vinyl chloride	62		3.827					
11 Butadiene	54		3.902					
12 Bromomethane	94		4.622					
14 Chloroethane	64		4.868					
15 2-Methylbutane	43	4.937	4.937	0.0	63	3733	0.0894	
16 Vinyl bromide	106		5.294					
17 Trichlorofluoromethane	101		5.385					
18 Pentane	43		5.519					
19 Ethanol	45		5.887					
21 Ethyl ether	59		6.015					
20 1,1,1-Trifluoro-2,2-dichloroetha	83		6.430					
22 Acrolein	56		6.431					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.442					
24 1,1-Dichloroethene	96		6.522					
25 Acetone	43		6.714					
26 Isopropyl alcohol	45		6.912					
27 Carbon disulfide	76		6.949					
28 Methyl Acetate TIC	43		7.200					
29 3-Chloro-1-propene	41		7.248					
30 Acetonitrile	41		7.365					
31 Methylene Chloride	49		7.515					
32 2-Methyl-2-propanol	59		7.621					

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
33 Methyl tert-butyl ether		73		7.840			
34 trans-1,2-Dichloroethene		61		7.915			
35 Acrylonitrile		53		8.043			
36 Hexane		57		8.224			
37 1,1-Dichloroethane		63		8.678			
38 Vinyl acetate		43		8.689			
39 cis-1,2-Dichloroethene		96		9.585			
41 Ethyl acetate		88		9.585			
40 2-Butanone (MEK)		72		9.591			
43 Tetrahydrofuran		42		9.954			
* 44 Chlorobromomethane		128	9.959	9.964	-0.005 66	807395	10.0
S 42 1,2-Dichloroethene, Total		61		10.000			
45 Chloroform		83		10.034			
46 Cyclohexane		84		10.268			
47 1,1,1-Trichloroethane		97		10.279			
48 Carbon tetrachloride		117		10.471			
49 Isooctane		57		10.743			
50 Benzene		78		10.818			
51 1,2-Dichloroethane		62		10.936			
52 n-Heptane		43		10.994			
A 53 GRO		1	11.032	4.927 - 17.136	0	401891	0
* 54 1,4-Difluorobenzene		114	11.363	11.363	0.0 90	3955419	10.0
55 Methyl cyclohexane TIC		55		11.500			
56 n-Butanol		56		11.539			
57 Trichloroethene		95		11.720			
58 1,2-Dichloropropane		63		12.115			
59 Methyl methacrylate		69		12.142			
60 1,4-Dioxane		88		12.232			
61 Dibromomethane		174		12.302			
62 Dichlorobromomethane		83		12.467			
A 63 TVOC as Toluene		1	12.705	3.160 - 22.249	0	530973	2.17
64 cis-1,3-Dichloropropene		75		13.097			
65 4-Methyl-2-pentanone (MIBK)		43		13.252			
A 66 C8 Range		1	13.449	13.421 -13.423	0	805	NC
67 n-Octane		43		13.471			
68 Toluene		92		13.519			
A 69 Toluene Range		1	13.534	13.509 -13.559	0	1484	NC
70 trans-1,3-Dichloropropene		75		13.892			
71 1,1,2-Trichloroethane		83		14.170			
72 Tetrachloroethene		166		14.277			
73 2-Hexanone		43		14.421			
74 Chlorodibromomethane		129		14.709			
75 Ethylene Dibromide		107		14.912			
* 76 Chlorobenzene-d5		117	15.451	15.451	0.0 80	3377537	10.0
77 Chlorobenzene		112		15.488			
78 n-Nonane		57		15.547			
79 Ethylbenzene		91		15.552			
80 m-Xylene & p-Xylene		106		15.696			
S 81 Xylenes, Total		106		16.000			
82 o-Xylene		106		16.203			
83 Styrene		104		16.230			
84 Bromoform		173		16.523			

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	85 Isopropylbenzene	105		16.603				
$	86 4-Bromofluorobenzene	95	16.870	16.870	0.0	98	1924728	NC
	87 1,1,2,2-Tetrachloroethane	83		17.025				
	88 N-Propylbenzene	91		17.078				
	89 1,2,3-Trichloropropane	75		17.110				
	90 n-Decane	57		17.126				
	91 4-Ethyltoluene	105		17.206				
	92 2-Chlorotoluene	91		17.249				
	93 1,3,5-Trimethylbenzene	105		17.271				
	94 Alpha Methyl Styrene	118		17.553				
	95 tert-Butylbenzene	119		17.655				
	96 1,2,4-Trimethylbenzene	105		17.730				
	97 sec-Butylbenzene	105		17.916				
	98 4-Isopropyltoluene	119		18.071				
	99 1,3-Dichlorobenzene	146		18.156				
	100 1,4-Dichlorobenzene	146		18.274				
	101 Benzyl chloride	91		18.439				
	102 Undecane	57		18.535				
	103 n-Butylbenzene	91		18.594				
	104 1,2-Dichlorobenzene	146		18.776				
	105 1,2-Dibromo-3-Chloropropane TIC	75		19.300				
	106 Dodecane	57		20.040				
	107 1,2,4-Trichlorobenzene	180		21.225				
	108 Hexachlorobutadiene	225		21.380				
	109 Naphthalene	128		21.743				
	110 1,2,3-Trichlorobenzene	180		22.239				
	111 Total Alkanes	1		0.0				

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

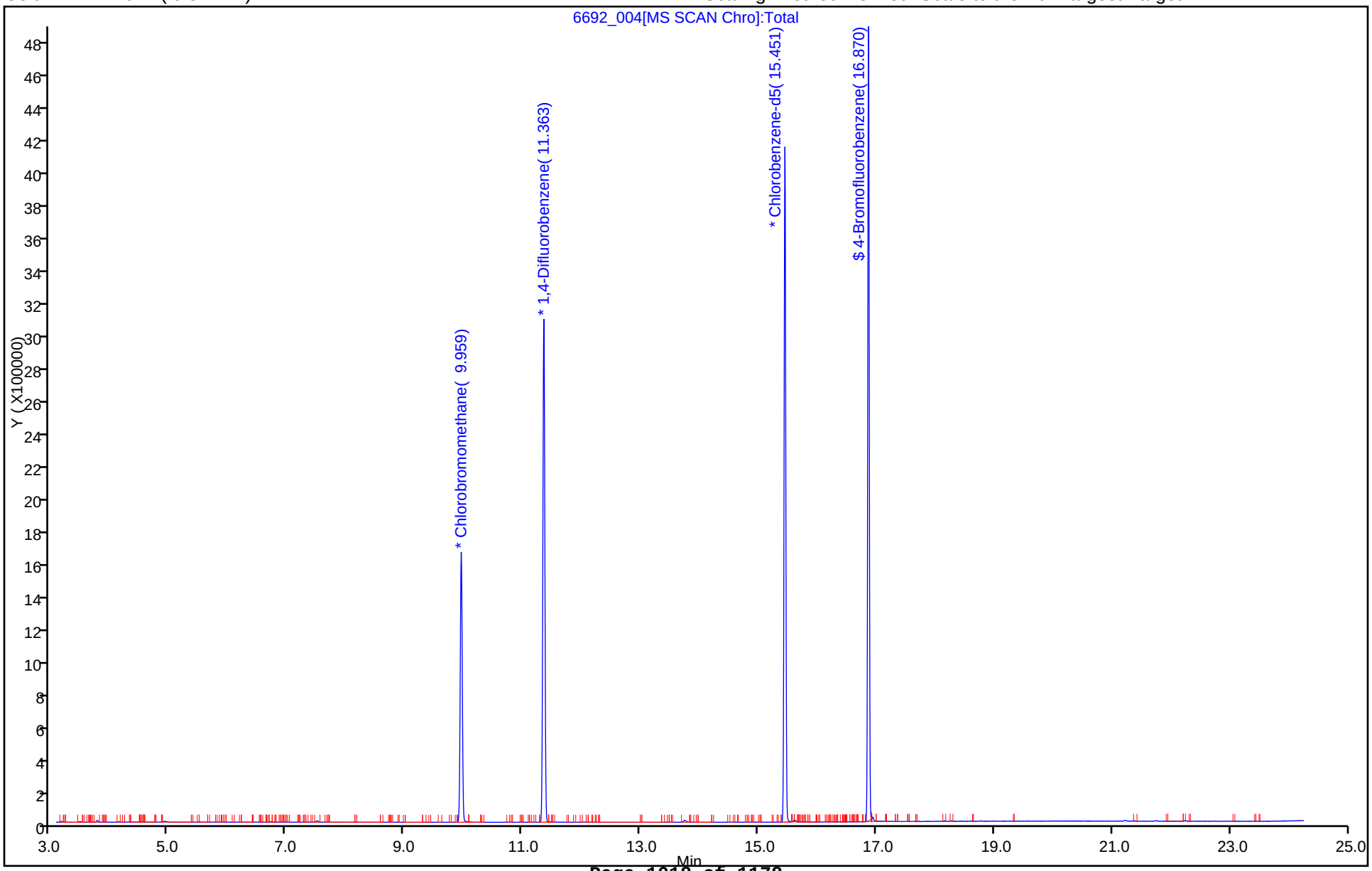
Report Date: 26-Mar-2014 12:07:43 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140325-6692.b\6692_004.D

Injection Date:	25-Mar-2014 13:15:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	MB			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Lab File ID: 6759_04.D Lab Sample ID: MB 200-70021/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHC.i Date Analyzed: 03/28/2014 12:14

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-70021/3	6759_03.D	03/28/2014 11:22
4373	200-21554-9	6759_05.D	03/28/2014 13:13

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-70021/4

Matrix: Air Lab File ID: 6759_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/28/2014 12:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70021 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-70021/4

Matrix: Air Lab File ID: 6759_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/28/2014 12:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70021 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-70021/4

Matrix: Air Lab File ID: 6759_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/28/2014 12:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70021 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140328-6759.b\6759_04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 28-Mar-2014 12:14:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006759-004
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140328-6759.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Mar-2014 11:58:26 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: desjardinsb Date: 28-Mar-2014 13:59:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
4 Chlorotrifluoroethene TIC	116		3.162					
1 Propene	41		3.181					
2 Dichlorodifluoromethane	85		3.256					
5 Freon 115 TIC	85		3.261					
3 Difluoroethane TIC	51		3.272					
6 Chlorodifluoromethane	51		3.315					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.544					
8 Chloromethane	50		3.699					
9 Butane	43		3.918					
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.049					
14 2-Methylbutane	43		5.124					
15 Vinyl bromide	106		5.465					
16 Trichlorofluoromethane	101		5.572					
17 Pentane	43		5.721					
20 1,1,1-Trifluoro-2,2-dichloroetha	83		6.000					
19 Ethanol	45		6.229					
21 Ethyl ether	59		6.287					
22 Acrolein	56		6.703					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.714					
24 1,1-Dichloroethene	96		6.757					
25 Acetone	43		7.034					
28 Methyl Acetate TIC	43	7.056	7.040	0.016	35	3898	NC	
26 Carbon disulfide	76		7.141					
27 Isopropyl alcohol	45		7.360					
29 3-Chloro-1-propene	41		7.589					
30 Acetonitrile	41		7.755					
31 Methylene Chloride	49		7.899					
32 2-Methyl-2-propanol	59		8.155					

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
33 Methyl tert-butyl ether			73		8.315				
34 trans-1,2-Dichloroethene			61		8.342				
35 Acrylonitrile			53		8.534				
36 Hexane			57		8.737				
37 1,1-Dichloroethane			63		9.260				
38 Vinyl acetate			43		9.356				
S 41 1,2-Dichloroethene, Total			61		10.200				
39 cis-1,2-Dichloroethene			96		10.423				
40 2-Butanone (MEK)			72		10.498				
42 Ethyl acetate			88		10.535				
* 43 Chlorobromomethane			128	10.904	10.914	-0.010	64	713775	10.0
44 Tetrahydrofuran			42		10.930				
45 Chloroform			83		11.053				
46 Cyclohexane			84		11.283				
49 Methyl cyclohexane TIC			55		11.293				
47 1,1,1-Trichloroethane			97		11.331				
48 Carbon tetrachloride			117		11.581				
51 Isooctane			57		12.040				
50 Benzene			78		12.083				
52 1,2-Dichloroethane			62		12.291				
53 n-Heptane			43		12.451				
* 54 1,4-Difluorobenzene			114	12.974	12.980	-0.006	91	4023938	10.0
55 n-Butanol			56		13.428				
56 Trichloroethene			95		13.465				
A 57 GRO			1	13.489	5.114 - 21.865		0	1044163	0
58 1,2-Dichloropropane			63		14.063				
59 Methyl methacrylate			69		14.245				
60 1,4-Dioxane			88		14.309				
61 Dibromomethane			174		14.330				
62 Dichlorobromomethane			83		14.634				
A 63 TVOC as Toluene			1	15.269	3.171 - 27.367		0	1227675	5.35
64 cis-1,3-Dichloropropene			75		15.589				
65 4-Methyl-2-pentanone (MIBK)			43		15.899				
66 Toluene			92		16.187				
A 67 Toluene Range			1	16.187	16.147 - 16.227		0	5849	NC
68 n-Octane			43		16.230				
A 69 C8 Range			1	16.236	16.208 - 16.280		0	6963	NC
70 trans-1,3-Dichloropropene			75		16.801				
71 1,1,2-Trichloroethane			83		17.180				
72 Tetrachloroethene			166		17.271				
73 2-Hexanone			43		17.644				
74 Chlorodibromomethane			129		17.948				
75 Ethylene Dibromide			107		18.226				
* 76 Chlorobenzene-d5			117	19.117	19.122	-0.005	79	3958655	10.0
77 Chlorobenzene			112		19.181				
78 Ethylbenzene			91		19.331				
80 1,2-Dibromo-3-Chloropropane TIC			75	19.112	19.331	-0.219	1	44853	NC
79 n-Nonane			57		19.432				
81 m-Xylene & p-Xylene			106		19.581				
S 82 Xylenes, Total			106		20.100				
83 o-Xylene			106		20.393				
84 Styrene			104		20.441				

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	85 Bromoform			173		20.841				
	86 Isopropylbenzene			105		21.022				
$	87 4-Bromofluorobenzene			95	21.375	21.380	-0.005	96	2382280	NC
	88 1,1,2,2-Tetrachloroethane			83		21.647				
	90 N-Propylbenzene			91		21.706				
	89 1,2,3-Trichloropropane			75		21.743				
	93 n-Decane			57		21.855				
	91 4-Ethyltoluene			105		21.887				
	92 2-Chlorotoluene			91		21.903				
	94 1,3,5-Trimethylbenzene			105		21.988				
	95 Alpha Methyl Styrene			118		22.341				
	96 tert-Butylbenzene			119		22.458				
	97 1,2,4-Trimethylbenzene			105		22.554				
	98 sec-Butylbenzene			105		22.773				
	99 4-Isopropyltoluene			119		22.970				
	100 1,3-Dichlorobenzene			146		23.008				
	101 1,4-Dichlorobenzene			146		23.146				
	102 Benzyl chloride			91		23.355				
	103 n-Butylbenzene			91		23.557				
	104 Undecane			57		23.563				
	105 1,2-Dichlorobenzene			146		23.702				
	106 Dodecane			57		25.217				
	107 1,2,4-Trichlorobenzene			180		26.327				
	108 Hexachlorobutadiene			225		26.514				
	109 Naphthalene			128		26.856				
	110 1,2,3-Trichlorobenzene			180		27.357				
	111 Total Alkanes			1		0.0				

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

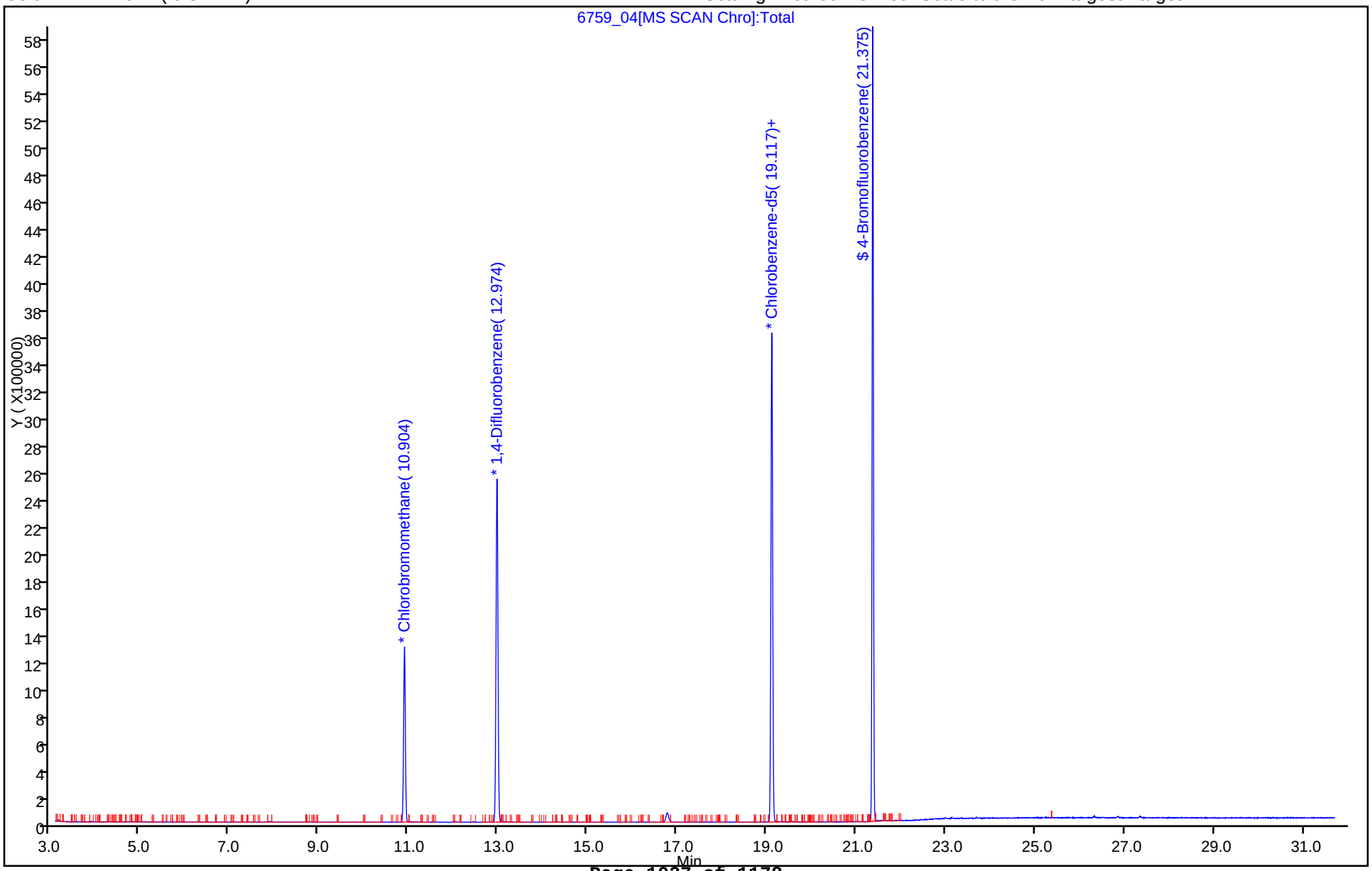
Report Date: 28-Mar-2014 13:59:58 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140328-6759.b\6759_04.D

Injection Date:	28-Mar-2014 12:14:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Lab File ID: 6246_001.D BFB Injection Date: 02/20/2014

Instrument ID: CHG.i BFB Injection Time: 12:20

Analysis Batch No.: 68619

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.5	
75	30.0 - 66.0% of mass 95	40.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	93.6	
175	4.0 - 9.0 % of mass 174	6.7	(7.2)1
176	93.0 - 101.0% of mass 174	90.8	(97.1)1
177	5.0 - 9.0% of mass 176	5.8	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-68619/6	6246_006.D	02/20/2014	16:25
	IC 200-68619/7	6246_007.D	02/20/2014	17:12
	IC 200-68619/8	6246_008.D	02/20/2014	17:59
	IC 200-68619/9	6246_009.D	02/20/2014	18:46
	ICIS 200-68619/10	6246_010.D	02/20/2014	19:33
	IC 200-68619/11	6246_011.D	02/20/2014	20:20
	IC 200-68619/12	6246_012.D	02/20/2014	21:07
	IC 200-68619/13	6246_013.D	02/20/2014	21:54
	ICV 200-68619/16	6246_016.D	02/21/2014	00:15

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Lab File ID: 6528_001.D BFB Injection Date: 03/12/2014

Instrument ID: CHG.i BFB Injection Time: 09:06

Analysis Batch No.: 69419

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.9	
75	30.0 - 66.0% of mass 95	40.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.1	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	90.6	
175	4.0 - 9.0 % of mass 174	6.4	(7.1)1
176	93.0 - 101.0% of mass 174	89.5	(98.8)1
177	5.0 - 9.0% of mass 176	5.8	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-69419/2	6528_002.D	03/12/2014	09:49
	LCS 200-69419/3	6528_003.D	03/12/2014	10:36
	MB 200-69419/4	6528_004.D	03/12/2014	11:24
2594	200-21318-7	6528_025.D	03/13/2014	04:02

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Lab File ID: 6584_01.D BFB Injection Date: 03/18/2014

Instrument ID: CHC.i BFB Injection Time: 07:56

Analysis Batch No.: 69583

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.8	
75	30.0 - 66.0% of mass 95	46.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.4	(0.5)1
174	50.0 - 120.0% of mass 95	77.1	
175	4.0 - 9.0 % of mass 174	5.4	(7.0)1
176	93.0 - 101.0% of mass 174	74.6	(96.8)1
177	5.0 - 9.0% of mass 176	4.8	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-69583/3	6584_03.D	03/18/2014	09:42
	IC 200-69583/4	6584_04.D	03/18/2014	10:34
	IC 200-69583/6	6584_06.D	03/18/2014	12:18
	ICIS 200-69583/7	6584_07.D	03/18/2014	13:10
	IC 200-69583/8	6584_08.D	03/18/2014	14:03
	IC 200-69583/17	6584_17.D	03/18/2014	14:55
	IC 200-69583/9	6584_09.D	03/18/2014	15:47
	IC 200-69583/10	6584_10.D	03/18/2014	16:40
	ICV 200-69583/13	6584_13.D	03/18/2014	19:09

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Lab File ID: 6688_01.D BFB Injection Date: 03/25/2014

Instrument ID: CHC.i BFB Injection Time: 09:01

Analysis Batch No.: 69859

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.4	
75	30.0 - 66.0% of mass 95	44.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.5	
173	Less than 2.0% of mass 174	0.3	(0.3)1
174	50.0 - 120.0% of mass 95	80.5	
175	4.0 - 9.0 % of mass 174	5.6	(6.9)1
176	93.0 - 101.0% of mass 174	77.0	(95.6)1
177	5.0 - 9.0% of mass 176	5.2	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-69859/2	6688_02.D	03/25/2014	09:52
	LCS 200-69859/3	6688_03.D	03/25/2014	10:44
	MB 200-69859/4	6688_04.D	03/25/2014	11:36
4580	200-21519-8	6688_07.D	03/25/2014	14:26

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Lab File ID: 6099_001.d BFB Injection Date: 02/11/2014

Instrument ID: CHW.i BFB Injection Time: 16:00

Analysis Batch No.: 68234

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.8	
75	30.0 - 66.0% of mass 95	46.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.6	(0.6)1
174	50.0 - 120.0% of mass 95	104.2	
175	4.0 - 9.0 % of mass 174	7.5	(7.2)1
176	93.0 - 101.0% of mass 174	101.9	(97.8)1
177	5.0 - 9.0% of mass 176	6.6	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-68234/4	6101_004.d	02/11/2014	19:12
	IC 200-68234/5	6101_005.d	02/11/2014	20:02
	IC 200-68234/6	6101_006.d	02/11/2014	20:50
	IC 200-68234/7	6101_007.d	02/11/2014	21:39
	ICIS 200-68234/8	6101_008.d	02/11/2014	22:30
	IC 200-68234/9	6101_009.d	02/11/2014	23:18
	IC 200-68234/10	6101_010.d	02/12/2014	00:07
	IC 200-68234/11	6101_011.d	02/12/2014	00:55
	ICV 200-68234/14	6101_014.d	02/12/2014	03:20

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Lab File ID: 6739_001.d BFB Injection Date: 03/27/2014

Instrument ID: CHW.i BFB Injection Time: 10:39

Analysis Batch No.: 69997

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.8	
75	30.0 - 66.0% of mass 95	44.1	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	100.7	
175	4.0 - 9.0 % of mass 174	7.1	(7.1)1
176	93.0 - 101.0% of mass 174	98.4	(97.8)1
177	5.0 - 9.0% of mass 176	6.6	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-69997/2	6739_002.d	03/27/2014	11:29
	LCS 200-69997/3	6739_003.d	03/27/2014	12:18
	MB 200-69997/4	6739_004.d	03/27/2014	13:14
2845	200-21533-9	6739_005.d	03/27/2014	14:22

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Lab File ID: 6557_001.D BFB Injection Date: 03/14/2014

Instrument ID: CHB.i BFB Injection Time: 10:21

Analysis Batch No.: 69511

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	10.4	
75	30.0 - 66.0% of mass 95	38.6	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	102.0	
175	4.0 - 9.0 % of mass 174	7.3	(7.1)1
176	93.0 - 101.0% of mass 174	98.9	(97.0)1
177	5.0 - 9.0% of mass 176	6.5	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-69511/3	6557_003.D	03/14/2014	12:11
	IC 200-69511/4	6557_004.D	03/14/2014	13:03
	IC 200-69511/5	6557_005.D	03/14/2014	13:55
	IC 200-69511/6	6557_006.D	03/14/2014	14:47
	ICIS 200-69511/7	6557_007.D	03/14/2014	15:39
	IC 200-69511/8	6557_008.D	03/14/2014	16:31
	IC 200-69511/9	6557_009.D	03/14/2014	17:24
	IC 200-69511/10	6557_010.D	03/14/2014	18:16
	ICV 200-69511/13	6557_013.D	03/14/2014	20:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Lab File ID: 6692_001.D BFB Injection Date: 03/25/2014

Instrument ID: CHB.i BFB Injection Time: 10:41

Analysis Batch No.: 69867

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	10.3	
75	30.0 - 66.0% of mass 95	39.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.2	(0.2)1
174	50.0 - 120.0% of mass 95	101.6	
175	4.0 - 9.0 % of mass 174	7.2	(7.1)1
176	93.0 - 101.0% of mass 174	98.5	(97.0)1
177	5.0 - 9.0% of mass 176	6.4	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-69867/2	6692_002.D	03/25/2014	11:31
	LCS 200-69867/3	6692_003.D	03/25/2014	12:23
	MB 200-69867/4	6692_004.D	03/25/2014	13:15
3328	200-21537-4	6692_028.D	03/26/2014	09:53

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Lab File ID: 6584_01.D BFB Injection Date: 03/18/2014

Instrument ID: CHC.i BFB Injection Time: 07:56

Analysis Batch No.: 69583

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.8	
75	30.0 - 66.0% of mass 95	46.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.4	(0.5)1
174	50.0 - 120.0% of mass 95	77.1	
175	4.0 - 9.0 % of mass 174	5.4	(7.0)1
176	93.0 - 101.0% of mass 174	74.6	(96.8)1
177	5.0 - 9.0% of mass 176	4.8	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-69583/3	6584_03.D	03/18/2014	09:42
	IC 200-69583/4	6584_04.D	03/18/2014	10:34
	IC 200-69583/6	6584_06.D	03/18/2014	12:18
	ICIS 200-69583/7	6584_07.D	03/18/2014	13:10
	IC 200-69583/8	6584_08.D	03/18/2014	14:03
	IC 200-69583/17	6584_17.D	03/18/2014	14:55
	IC 200-69583/9	6584_09.D	03/18/2014	15:47
	IC 200-69583/10	6584_10.D	03/18/2014	16:40
	ICV 200-69583/13	6584_13.D	03/18/2014	19:09

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Lab File ID: 6759_01.D BFB Injection Date: 03/28/2014

Instrument ID: CHC.i BFB Injection Time: 09:42

Analysis Batch No.: 70021

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.3	
75	30.0 - 66.0% of mass 95	44.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.4	(0.5)1
174	50.0 - 120.0% of mass 95	80.3	
175	4.0 - 9.0 % of mass 174	5.5	(6.9)1
176	93.0 - 101.0% of mass 174	77.0	(95.9)1
177	5.0 - 9.0% of mass 176	5.1	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-70021/2	6759_02.D	03/28/2014	10:30
	LCS 200-70021/3	6759_03.D	03/28/2014	11:22
	MB 200-70021/4	6759_04.D	03/28/2014	12:14
4373	200-21554-9	6759_05.D	03/28/2014	13:13

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Sample No.: ICIS 200-68619/10 Date Analyzed: 02/20/2014 19:33

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6246_010.D Heated Purge: (Y/N) N

Calibration ID: 25722

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		715346	10.56	4040627	12.63	4191149	18.79
UPPER LIMIT		1001484	10.89	5656878	12.96	5867609	19.12
LOWER LIMIT		429208	10.23	2424376	12.30	2514689	18.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-68619/16		732981	10.56	4217854	12.62	4337814	18.79

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Sample No.: CCVIS 200-69419/2 Date Analyzed: 03/12/2014 09:49

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6528_002.D Heated Purge: (Y/N) N

Calibration ID: 25722

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		637032	10.54	3520420	12.60	3527588	18.76
UPPER LIMIT		891845	10.87	4928588	12.93	4938623	19.09
LOWER LIMIT		382219	10.21	2112252	12.27	2116553	18.43
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-69419/3		604728	10.54	3321207	12.61	3328225	18.77
MB 200-69419/4		588025	10.54	3282417	12.60	3024763	18.76
200-21318-7	2594	575388	10.54	3147390	12.60	2832859	18.77

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Sample No.: ICIS 200-69583/7 Date Analyzed: 03/18/2014 13:10

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6584_07.D Heated Purge: (Y/N) N

Calibration ID: 26036

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		599013	10.92	3215123	12.99	3281594	19.13
UPPER LIMIT		838618	11.25	4501172	13.32	4594232	19.46
LOWER LIMIT		359408	10.59	1929074	12.66	1968956	18.80
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-69583/13		695752	10.91	3933850	12.98	4013451	19.12

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Sample No.: CCVIS 200-69859/2 Date Analyzed: 03/25/2014 09:52

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6688_02.D Heated Purge: (Y/N) N

Calibration ID: 26036

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		710763	10.91	3843315	12.98	3991917	19.12
UPPER LIMIT		995068	11.24	5380641	13.31	5588684	19.45
LOWER LIMIT		426458	10.58	2305989	12.65	2395150	18.79
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-69859/3		758648	10.92	4237651	12.98	4362959	19.12
MB 200-69859/4		736457	10.91	4165636	12.98	4086644	19.12
200-21519-8	4580	727024	10.91	4023692	12.98	3889602	19.12

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Sample No.: ICIS 200-68234/8 Date Analyzed: 02/11/2014 22:30

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6101_008.d Heated Purge: (Y/N) N

Calibration ID: 25497

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		501508	12.85	2304289	14.75	2110792	20.44
UPPER LIMIT		702111	13.18	3226005	15.08	2955109	20.77
LOWER LIMIT		300905	12.52	1382573	14.42	1266475	20.11
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-68234/14		576959	12.86	2743463	14.75	2494405	20.44

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Sample No.: CCVIS 200-69997/2 Date Analyzed: 03/27/2014 11:29

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6739_002.d Heated Purge: (Y/N) N

Calibration ID: 25497

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		443170	12.85	2062713	14.74	1896631	20.44
UPPER LIMIT		620438	13.18	2887798	15.07	2655283	20.77
LOWER LIMIT		265902	12.52	1237628	14.41	1137979	20.11
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-69997/3		419532	12.85	1967763	14.74	1806500	20.44
MB 200-69997/4		423570	12.84	2001371	14.73	1741797	20.44
200-21533-9	2845	439291	12.85	2080808	14.74	1828262	20.44

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Sample No.: ICIS 200-69511/7 Date Analyzed: 03/14/2014 15:39

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6557_007.D Heated Purge: (Y/N) N

Calibration ID: 25935

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		675362	9.96	3332868	11.37	2921558	15.46
UPPER LIMIT		945507	10.29	4666015	11.70	4090181	15.79
LOWER LIMIT		405217	9.63	1999721	11.04	1752935	15.13
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-69511/13		693647	9.96	3447206	11.37	2967928	15.46

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Sample No.: CCVIS 200-69867/2 Date Analyzed: 03/25/2014 11:31

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6692_002.D Heated Purge: (Y/N) N

Calibration ID: 25935

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		786883	9.96	3772752	11.36	3354404	15.45
UPPER LIMIT		1101636	10.29	5281853	11.69	4696166	15.78
LOWER LIMIT		472130	9.63	2263651	11.03	2012642	15.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-69867/3		821290	9.96	3970172	11.36	3496768	15.45
MB 200-69867/4		807395	9.96	3955419	11.36	3377537	15.45
200-21537-4	3328	735509	9.96	3541475	11.36	3058946	15.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Sample No.: ICIS 200-69583/7 Date Analyzed: 03/18/2014 13:10

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6584_07.D Heated Purge: (Y/N) N

Calibration ID: 26036

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		599013	10.92	3215123	12.99	3281594	19.13
UPPER LIMIT		838618	11.25	4501172	13.32	4594232	19.46
LOWER LIMIT		359408	10.59	1929074	12.66	1968956	18.80
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-69583/13		695752	10.91	3933850	12.98	4013451	19.12

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Sample No.: CCVIS 200-70021/2 Date Analyzed: 03/28/2014 10:30

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6759_02.D Heated Purge: (Y/N) N

Calibration ID: 26036

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		671144	10.91	3623428	12.98	3773765	19.12
UPPER LIMIT		939602	11.24	5072799	13.31	5283271	19.45
LOWER LIMIT		402686	10.58	2174057	12.65	2264259	18.79
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-70021/3		724820	10.91	4013198	12.98	4140911	19.12
MB 200-70021/4		713775	10.90	4023938	12.97	3958655	19.12
200-21554-9	4373	717385	10.91	4017514	12.98	3973388	19.12

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Client Sample ID: 2594 Lab Sample ID: 200-21318-7

Matrix: Air Lab File ID: 6528_025.D

Analysis Method: TO-15 Date Collected: 03/10/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/13/2014 04:02

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69419 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Client Sample ID: 2594 Lab Sample ID: 200-21318-7

Matrix: Air Lab File ID: 6528_025.D

Analysis Method: TO-15 Date Collected: 03/10/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/13/2014 04:02

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69419 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Client Sample ID: 2594 Lab Sample ID: 200-21318-7

Matrix: Air Lab File ID: 6528_025.D

Analysis Method: TO-15 Date Collected: 03/10/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/13/2014 04:02

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69419 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Report Date: 13-Mar-2014 13:04:59 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140312-6528.b\6528_025.D
Lims ID: 200-21318-A-7 Lab Sample ID: 200-21318-7
Client ID: 2594
Sample Type: Client
Inject. Date: 13-Mar-2014 04:02:30 ALS Bottle#: 8 Worklist Smp#: 25
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0006528-025
Misc. Info.: 200-21318-a-7
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140312-6528.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 13-Mar-2014 13:04:59 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: lyonsb Date: 13-Mar-2014 13:00:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		3.052					
2 Dichlorodifluoromethane	85		3.127					
6 Chlorodifluoromethane	51		3.175					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.400					
8 Chloromethane	50		3.534					
9 Butane	43		3.753					
10 Vinyl chloride	62		3.790					
11 Butadiene	54		3.876					
12 Bromomethane	94		4.566					
14 Chloroethane	64		4.818					
16 Vinyl bromide	106		5.219					
17 Trichlorofluoromethane	101		5.336					
19 Ethanol	45		5.909					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.460					
24 1,1-Dichloroethene	96		6.487					
25 Acetone	43		6.706					
26 Carbon disulfide	76		6.866					
27 Isopropyl alcohol	45		7.022					
29 3-Chloro-1-propene	41		7.289					
31 Methylene Chloride	49		7.578					
32 2-Methyl-2-propanol	59		7.819					
33 Methyl tert-butyl ether	73		8.022					
34 trans-1,2-Dichloroethene	61		8.043					
36 Hexane	57		8.477					
37 1,1-Dichloroethane	63		8.926					
38 Vinyl acetate	43		9.022					
39 cis-1,2-Dichloroethene	96		10.066					
40 2-Butanone (MEK)	72		10.108					
42 Ethyl acetate	88		10.194					
S 41 1,2-Dichloroethene, Total	61		10.200					
* 43 Chlorobromomethane	128	10.536	10.542	-0.006	69	575388	10.0	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	44 Tetrahydrofuran		42		10.552					
	45 Chloroform		83		10.681					
	46 Cyclohexane		84		10.975					
	47 1,1,1-Trichloroethane		97		10.980					
	48 Carbon tetrachloride		117		11.253					
	50 Benzene		78		11.719					
	51 Isooctane		57		11.740					
	52 1,2-Dichloroethane		62		11.890					
	53 n-Heptane		43		12.157					
*	54 1,4-Difluorobenzene		114	12.601	12.601	0.0		91	3147390	10.0
	56 Trichloroethene		95		13.088					
	58 1,2-Dichloropropane		63		13.655					
	59 Methyl methacrylate		69		13.859					
	60 1,4-Dioxane		88		13.891					
	61 Dibromomethane		174		13.912					
	62 Dichlorobromomethane		83		14.228					
	64 cis-1,3-Dichloropropene		75		15.207					
	65 4-Methyl-2-pentanone (MIBK)		43		15.506					
	66 Toluene		92		15.827					
	70 trans-1,3-Dichloropropene		75		16.416					
	71 1,1,2-Trichloroethane		83		16.790					
	72 Tetrachloroethene		166		16.945					
	73 2-Hexanone		43		17.266					
	74 Chlorodibromomethane		129		17.566					
	75 Ethylene Dibromide		107		17.844					
*	76 Chlorobenzene-d5		117	18.770	18.764	0.006		81	2832859	10.0
	77 Chlorobenzene		112		18.828					
	78 Ethylbenzene		91		18.994					
	80 m-Xylene & p-Xylene		106		19.251					
	83 o-Xylene		106		20.080					
S	82 Xylenes, Total		106		20.100					
	84 Styrene		104		20.128					
	85 Bromoform		173		20.514					
	86 Isopropylbenzene		105		20.749					
$	87 4-Bromofluorobenzene		95	21.097	21.091	0.006		97	1236577	NC
	88 1,1,2,2-Tetrachloroethane		83		21.348					
	90 N-Propylbenzene		91		21.455					
	92 2-Chlorotoluene		91		21.637					
	91 4-Ethyltoluene		105		21.642					
	94 1,3,5-Trimethylbenzene		105		21.744					
	96 tert-Butylbenzene		119		22.225					
	97 1,2,4-Trimethylbenzene		105		22.316					
	98 sec-Butylbenzene		105		22.552					
	99 4-Isopropyltoluene		119		22.750					
	100 1,3-Dichlorobenzene		146		22.766					
	101 1,4-Dichlorobenzene		146		22.900					
	102 Benzyl chloride		91		23.092					
	103 n-Butylbenzene		91		23.328					
	105 1,2-Dichlorobenzene		146		23.440					
	107 1,2,4-Trichlorobenzene		180		25.997					
	108 Hexachlorobutadiene		225		26.211					
	109 Naphthalene		128		26.484					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

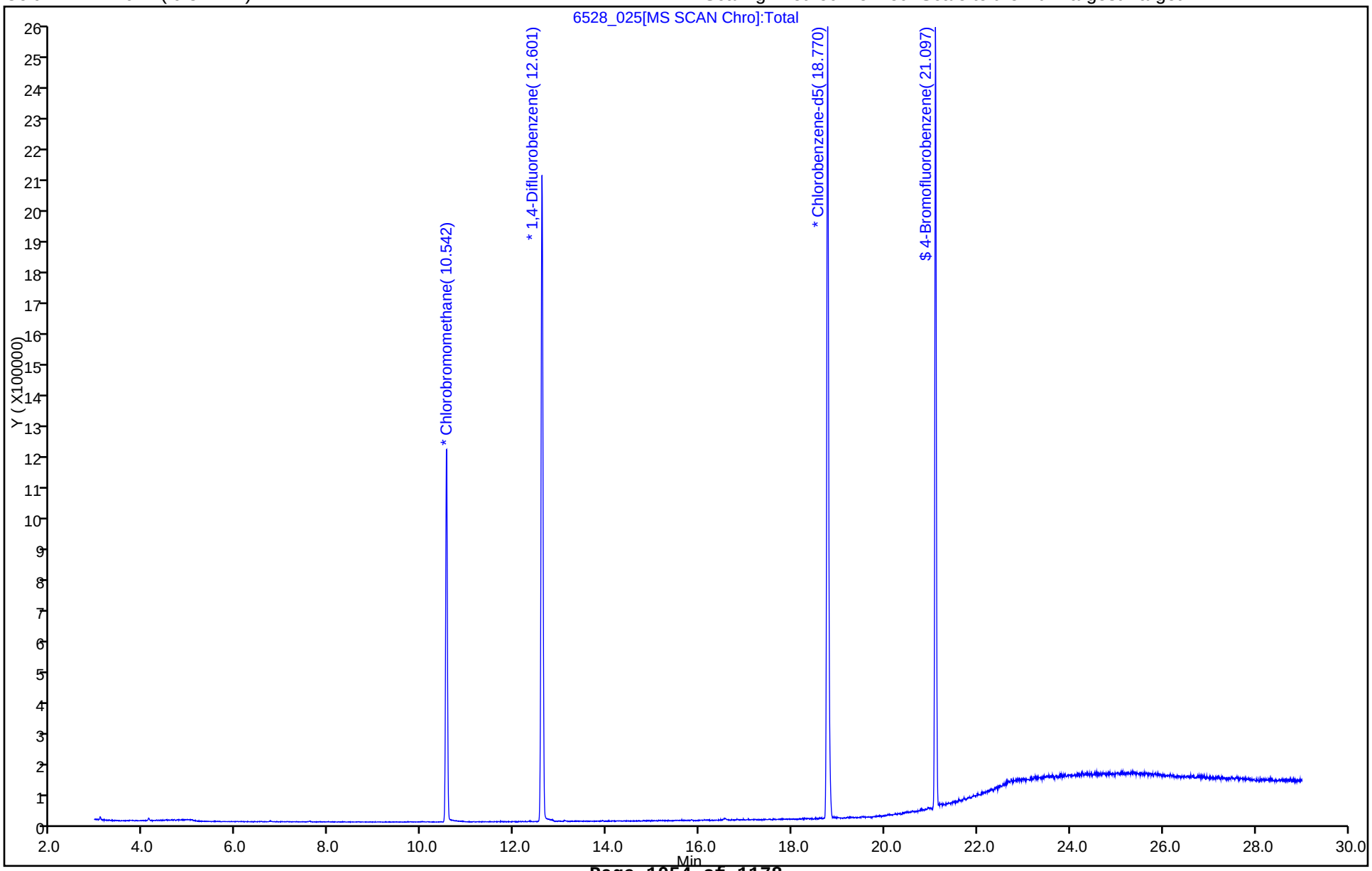
Report Date: 13-Mar-2014 13:04:59 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140312-6528.b\6528_025.D

Injection Date:	13-Mar-2014 04:02:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	200-21318-A-7	Lab Sample ID:	200-21318-7	Worklist Smp#:	25
Client ID:	2594				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Client Sample ID: 4580 Lab Sample ID: 200-21519-8

Matrix: Air Lab File ID: 6688_07.D

Analysis Method: TO-15 Date Collected: 03/24/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/25/2014 14:26

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69859 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Client Sample ID: 4580 Lab Sample ID: 200-21519-8

Matrix: Air Lab File ID: 6688_07.D

Analysis Method: TO-15 Date Collected: 03/24/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/25/2014 14:26

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69859 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Client Sample ID: 4580 Lab Sample ID: 200-21519-8

Matrix: Air Lab File ID: 6688_07.D

Analysis Method: TO-15 Date Collected: 03/24/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/25/2014 14:26

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69859 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140325-6688.b\6688_07.D
Lims ID: 200-21519-A-8 Lab Sample ID: 200-21519-8
Client ID: 4580
Sample Type: Client
Inject. Date: 25-Mar-2014 14:26:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0006688-007
Misc. Info.: 21519-8
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140325-6688.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Mar-2014 13:10:33 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: desjardinsb Date: 25-Mar-2014 15:24:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		3.176					
2 Dichlorodifluoromethane	85		3.251					
6 Chlorodifluoromethane	51		3.315					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.544					
8 Chloromethane	50		3.694					
9 Butane	43		3.912					
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.044					
15 Vinyl bromide	106		5.460					
16 Trichlorofluoromethane	101		5.567					
19 Ethanol	45		6.223					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.709					
24 1,1-Dichloroethene	96		6.752					
25 Acetone	43		7.034					
26 Carbon disulfide	76		7.141					
27 Isopropyl alcohol	45		7.349					
29 3-Chloro-1-propene	41		7.584					
31 Methylene Chloride	49		7.899					
32 2-Methyl-2-propanol	59		8.155					
33 Methyl tert-butyl ether	73		8.310					
34 trans-1,2-Dichloroethene	61		8.342					
36 Hexane	57		8.732					
37 1,1-Dichloroethane	63		9.260					
38 Vinyl acetate	43		9.356					
S 41 1,2-Dichloroethene, Total	61		10.200					
39 cis-1,2-Dichloroethene	96		10.423					
40 2-Butanone (MEK)	72		10.498					
42 Ethyl acetate	88		10.541					
* 43 Chlorobromomethane	128	10.909	10.914	-0.005	65	727024	10.0	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
44 Tetrahydrofuran		42		10.925				
45 Chloroform		83		11.053				
46 Cyclohexane		84		11.283				
47 1,1,1-Trichloroethane		97		11.331				
48 Carbon tetrachloride		117		11.587				
51 Isooctane		57		12.040				
50 Benzene		78		12.083				
52 1,2-Dichloroethane		62		12.291				
53 n-Heptane		43		12.451				
* 54 1,4-Difluorobenzene		114	12.980	12.980	0.0	91	4023692	10.0
56 Trichloroethene		95		13.460				
58 1,2-Dichloropropane		63		14.063				
59 Methyl methacrylate		69		14.239				
60 1,4-Dioxane		88		14.309				
61 Dibromomethane		174		14.330				
62 Dichlorobromomethane		83		14.634				
64 cis-1,3-Dichloropropene		75		15.595				
65 4-Methyl-2-pentanone (MIBK)		43		15.894				
66 Toluene		92		16.187				
70 trans-1,3-Dichloropropene		75		16.801				
71 1,1,2-Trichloroethane		83		17.180				
72 Tetrachloroethene		166		17.271				
73 2-Hexanone		43		17.644				
74 Chlorodibromomethane		129		17.954				
75 Ethylene Dibromide		107		18.226				
* 76 Chlorobenzene-d5		117	19.122	19.123	-0.001	81	3889602	10.0
77 Chlorobenzene		112		19.181				
78 Ethylbenzene		91		19.331				
81 m-Xylene & p-Xylene		106		19.582				
S 82 Xylenes, Total		106		20.100				
83 o-Xylene		106		20.393				
84 Styrene		104		20.441				
85 Bromoform		173		20.841				
86 Isopropylbenzene		105		21.028				
$ 87 4-Bromofluorobenzene		95	21.380	21.380	0.0	96	2398201	NC
88 1,1,2,2-Tetrachloroethane		83		21.647				
90 N-Propylbenzene		91		21.706				
91 4-Ethyltoluene		105		21.887				
92 2-Chlorotoluene		91		21.903				
94 1,3,5-Trimethylbenzene		105		21.988				
96 tert-Butylbenzene		119		22.458				
97 1,2,4-Trimethylbenzene		105		22.554				
98 sec-Butylbenzene		105		22.773				
99 4-Isopropyltoluene		119		22.970				
100 1,3-Dichlorobenzene		146		23.008				
101 1,4-Dichlorobenzene		146		23.147				
102 Benzyl chloride		91		23.355				
103 n-Butylbenzene		91		23.557				
105 1,2-Dichlorobenzene		146		23.702				
107 1,2,4-Trichlorobenzene		180		26.327				
108 Hexachlorobutadiene		225		26.519				
109 Naphthalene		128		26.856				

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

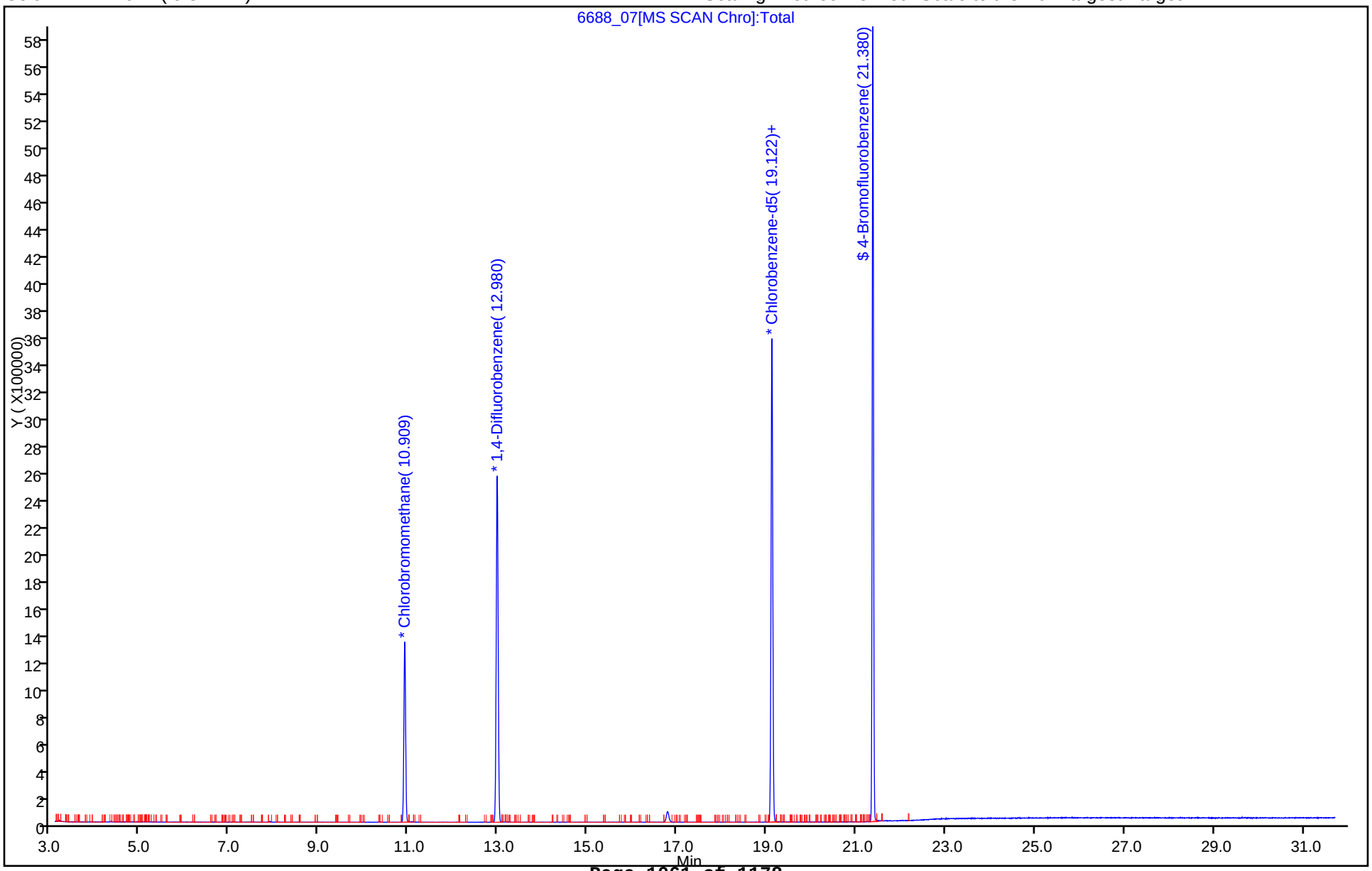
Report Date: 25-Mar-2014 15:24:39 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140325-6688.b\6688_07.D

Injection Date:	25-Mar-2014 14:26:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21519-A-8	Lab Sample ID:	200-21519-8	Worklist Smp#:	7
Client ID:	4580				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Client Sample ID: 2845 Lab Sample ID: 200-21533-9

Matrix: Air Lab File ID: 6739_005.d

Analysis Method: TO-15 Date Collected: 03/25/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/27/2014 14:22

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69997 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Client Sample ID: 2845 Lab Sample ID: 200-21533-9

Matrix: Air Lab File ID: 6739_005.d

Analysis Method: TO-15 Date Collected: 03/25/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/27/2014 14:22

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69997 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Client Sample ID: 2845 Lab Sample ID: 200-21533-9

Matrix: Air Lab File ID: 6739_005.d

Analysis Method: TO-15 Date Collected: 03/25/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/27/2014 14:22

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69997 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140327-6739.b\6739_005.d
Lims ID: 200-21533-A-9 Lab Sample ID: 200-21533-9
Client ID: 2845
Sample Type: Client
Inject. Date: 27-Mar-2014 14:22:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0006739-005
Misc. Info.: 200-21533-A-9
Operator ID: wrd Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140327-6739.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 27-Mar-2014 15:51:37 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: lyonsb Date: 27-Mar-2014 15:50:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.372					
2 Dichlorodifluoromethane	85		4.463					
6 Chlorodifluoromethane	51		4.533					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.816					
8 Chloromethane	50		5.014					
9 Butane	43		5.276					
10 Vinyl chloride	62		5.335					
11 Butadiene	54		5.432					
12 Bromomethane	94		6.304					
14 Chloroethane	64		6.582					
16 Vinyl bromide	106		7.063					
17 Trichlorofluoromethane	101		7.181					
19 Ethanol	45		7.796					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.433					
24 1,1-Dichloroethene	96		8.502					
25 Acetone	43		8.738					
26 Carbon disulfide	76		8.989					
27 Isopropyl alcohol	45		9.021					
29 3-Chloro-1-propene	41		9.390					
31 Methylene Chloride	49		9.722					
32 2-Methyl-2-propanol	59		9.893					
33 Methyl tert-butyl ether	73		10.150					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.220					
36 Hexane	57		10.637					
37 1,1-Dichloroethane	63		11.188					
38 Vinyl acetate	43		11.225					
39 cis-1,2-Dichloroethene	96		12.365					
40 2-Butanone (MEK)	72		12.381					
42 Ethyl acetate	88		12.402					
44 Tetrahydrofuran	42		12.836					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q		Response		On-Col Amt ppb v/v	Flags
*	43 Chlorobromomethane	128	12.846	12.846	0.0	69	439291	10.0		
	45 Chloroform	83		12.959						
	46 Cyclohexane	84		13.253						
	47 1,1,1-Trichloroethane	97		13.264						
	48 Carbon tetrachloride	117		13.520						
	51 Isooctane	57		13.916						
	50 Benzene	78		13.975						
	52 1,2-Dichloroethane	62		14.136						
	53 n-Heptane	43		14.264						
*	54 1,4-Difluorobenzene	114	14.735	14.735	0.0	92	2080808	10.0		
	56 Trichloroethene	95		15.200						
	58 1,2-Dichloropropane	63		15.724						
	59 Methyl methacrylate	69		15.805						
	60 1,4-Dioxane	88		15.901						
	61 Dibromomethane	174		15.965						
	62 Dichlorobromomethane	83		16.211						
	64 cis-1,3-Dichloropropene	75		17.078						
	65 4-Methyl-2-pentanone (MIBK)	43		17.308						
	66 Toluene	92	17.650	17.650	0.0	1	149	0.001124		
	70 trans-1,3-Dichloropropene	75		18.185						
	71 1,1,2-Trichloroethane	83		18.554						
	72 Tetrachloroethene	166		18.688						
	73 2-Hexanone	43		18.940						
	74 Chlorodibromomethane	129		19.309						
	75 Ethylene Dibromide	107		19.592						
S	82 Xylenes, Total	106		20.100						
*	76 Chlorobenzene-d5	117	20.438	20.438	0.0	83	1828262	10.0		
	77 Chlorobenzene	112		20.491						
	78 Ethylbenzene	91		20.609						
	80 m-Xylene & p-Xylene	106		20.828						
	83 o-Xylene	106		21.540						
	84 Styrene	104		21.577						
	85 Bromoform	173		21.957						
	86 Isopropylbenzene	105		22.101						
$	87 4-Bromofluorobenzene	95	22.438	22.438	0.0	97	1129528	NC		
	88 1,1,2,2-Tetrachloroethane	83		22.663						
	90 N-Propylbenzene	91		22.738						
	91 4-Ethyltoluene	105		22.904						
	92 2-Chlorotoluene	91		22.936						
	94 1,3,5-Trimethylbenzene	105		22.995						
	96 tert-Butylbenzene	119		23.471						
	97 1,2,4-Trimethylbenzene	105		23.567						
	98 sec-Butylbenzene	105		23.802						
	99 4-Isopropyltoluene	119		24.006						
	100 1,3-Dichlorobenzene	146		24.075						
	101 1,4-Dichlorobenzene	146		24.220						
	102 Benzyl chloride	91		24.428						
	103 n-Butylbenzene	91		24.642						
	105 1,2-Dichlorobenzene	146		24.824						
	107 1,2,4-Trichlorobenzene	180		27.713						
	108 Hexachlorobutadiene	225		27.916						
	109 Naphthalene	128		28.302						

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

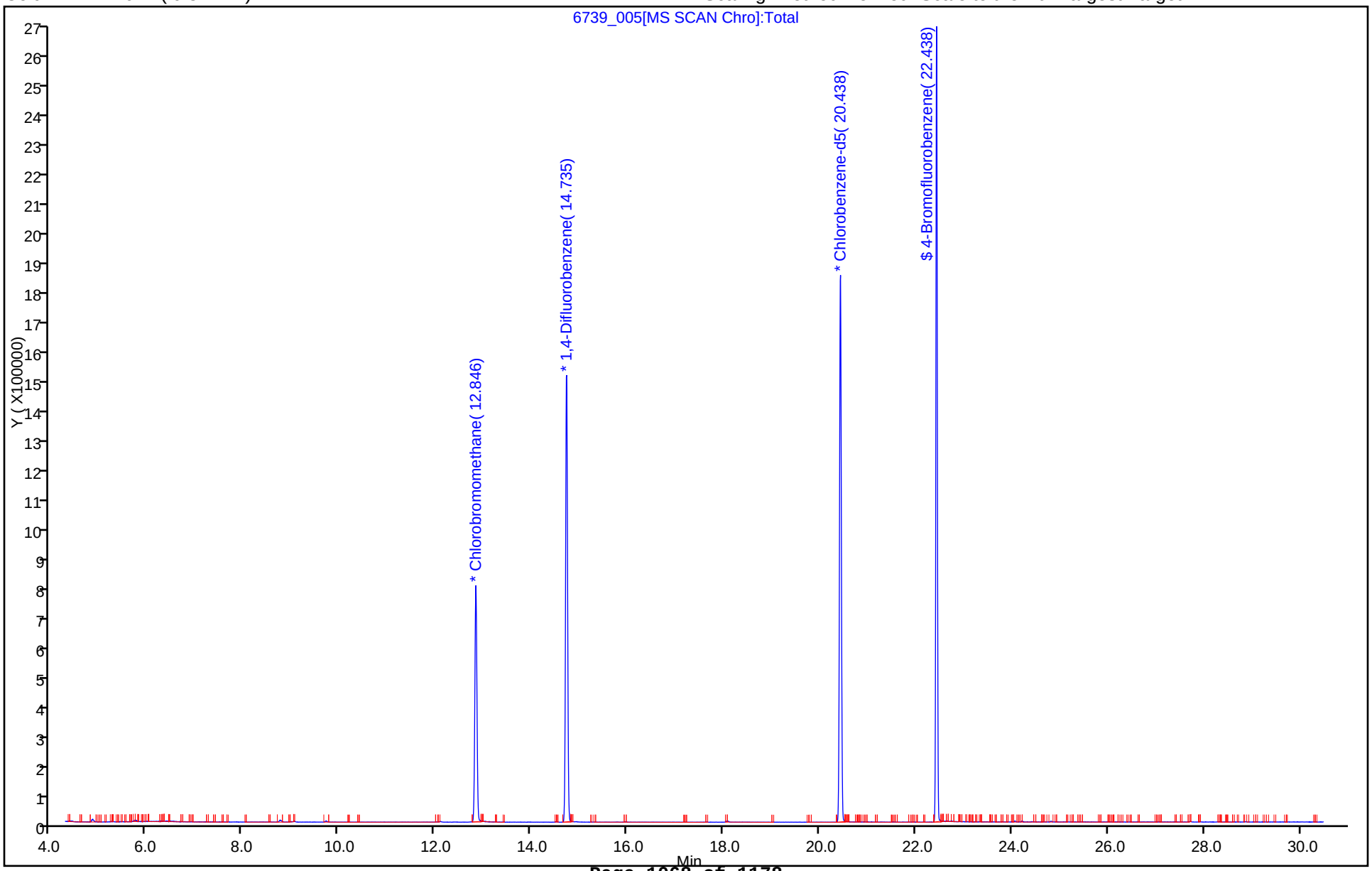
Report Date: 27-Mar-2014 15:51:40 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140327-6739.b\6739_005.d

Injection Date:	27-Mar-2014 14:22:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-21533-A-9	Lab Sample ID:	200-21533-9	Worklist Smp#:	5
Client ID:	2845				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Client Sample ID: 3328 Lab Sample ID: 200-21537-4

Matrix: Air Lab File ID: 6692_028.D

Analysis Method: TO-15 Date Collected: 03/25/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/26/2014 09:53

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69867 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Client Sample ID: 3328 Lab Sample ID: 200-21537-4

Matrix: Air Lab File ID: 6692_028.D

Analysis Method: TO-15 Date Collected: 03/25/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/26/2014 09:53

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69867 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Client Sample ID: 3328 Lab Sample ID: 200-21537-4

Matrix: Air Lab File ID: 6692_028.D

Analysis Method: TO-15 Date Collected: 03/25/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/26/2014 09:53

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69867 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20140325-6692.b\6692_028.D
Lims ID: 200-21537-A-4 Lab Sample ID: 200-21537-4
Client ID: 3328
Sample Type: Client
Inject. Date: 26-Mar-2014 09:53:30 ALS Bottle#: 7 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 0.2000
Sample Info: 200-0006692-028
Misc. Info.: 21537-4
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20140325-6692.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 26-Mar-2014 12:07:44 Calib Date: 14-Mar-2014 18:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140314-6557.b\6557_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: daiglep Date: 26-Mar-2014 12:03:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
4 Propene	41		3.170					
5 Dichlorodifluoromethane	85		3.229					
6 Chlorodifluoromethane	51		3.272					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.464					
8 Chloromethane	50		3.603					
9 Butane	43		3.784					
10 Vinyl chloride	62		3.827					
11 Butadiene	54		3.902					
12 Bromomethane	94		4.622					
14 Chloroethane	64		4.868					
16 Vinyl bromide	106		5.294					
17 Trichlorofluoromethane	101		5.385					
19 Ethanol	45		5.887					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.442					
24 1,1-Dichloroethene	96		6.522					
25 Acetone	43		6.714					
26 Isopropyl alcohol	45		6.912					
27 Carbon disulfide	76		6.949					
29 3-Chloro-1-propene	41		7.248					
31 Methylene Chloride	49		7.515					
32 2-Methyl-2-propanol	59		7.621					
33 Methyl tert-butyl ether	73		7.840					
34 trans-1,2-Dichloroethene	61		7.915					
36 Hexane	57		8.224					
37 1,1-Dichloroethane	63		8.678					
38 Vinyl acetate	43		8.689					
39 cis-1,2-Dichloroethene	96		9.585					
41 Ethyl acetate	88		9.585					
40 2-Butanone (MEK)	72		9.591					
43 Tetrahydrofuran	42		9.954					
* 44 Chlorobromomethane	128	9.959	9.964	-0.005	67	735509	10.0	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
S	42 1,2-Dichloroethene, Total	61		10.000					
	45 Chloroform	83		10.034					
	46 Cyclohexane	84		10.268					
	47 1,1,1-Trichloroethane	97		10.279					
	48 Carbon tetrachloride	117		10.471					
	49 Isooctane	57		10.743					
	50 Benzene	78		10.818					
	51 1,2-Dichloroethane	62		10.936					
	52 n-Heptane	43		10.994					
*	54 1,4-Difluorobenzene	114	11.363	11.363	0.0	91	3541475	10.0	
	57 Trichloroethene	95		11.720					
	58 1,2-Dichloropropane	63		12.115					
	59 Methyl methacrylate	69		12.142					
	60 1,4-Dioxane	88		12.232					
	61 Dibromomethane	174		12.302					
	62 Dichlorobromomethane	83		12.467					
	64 cis-1,3-Dichloropropene	75		13.097					
	65 4-Methyl-2-pentanone (MIBK)	43		13.252					
	68 Toluene	92		13.519					
	70 trans-1,3-Dichloropropene	75		13.892					
	71 1,1,2-Trichloroethane	83		14.170					
	72 Tetrachloroethene	166		14.277					
	73 2-Hexanone	43		14.421					
	74 Chlorodibromomethane	129		14.709					
	75 Ethylene Dibromide	107		14.912					
*	76 Chlorobenzene-d5	117	15.451	15.451	0.0	80	3058946	10.0	
	77 Chlorobenzene	112		15.488					
	79 Ethylbenzene	91		15.552					
	80 m-Xylene & p-Xylene	106		15.696					
S	81 Xylenes, Total	106		16.000					
	82 o-Xylene	106		16.203					
	83 Styrene	104		16.230					
	84 Bromoform	173		16.523					
	85 Isopropylbenzene	105		16.603					
$	86 4-Bromofluorobenzene	95	16.865	16.870	-0.005	98	1811287	NC	
	87 1,1,2,2-Tetrachloroethane	83		17.025					
	88 N-Propylbenzene	91		17.078					
	91 4-Ethyltoluene	105		17.206					
	92 2-Chlorotoluene	91		17.249					
	93 1,3,5-Trimethylbenzene	105		17.271					
	95 tert-Butylbenzene	119		17.655					
	96 1,2,4-Trimethylbenzene	105		17.730					
	97 sec-Butylbenzene	105		17.916					
	98 4-Isopropyltoluene	119		18.071					
	99 1,3-Dichlorobenzene	146		18.156					
	100 1,4-Dichlorobenzene	146		18.274					
	101 Benzyl chloride	91		18.439					
	103 n-Butylbenzene	91		18.594					
	104 1,2-Dichlorobenzene	146		18.776					
	107 1,2,4-Trichlorobenzene	180		21.225					
	108 Hexachlorobutadiene	225		21.380					
	109 Naphthalene	128		21.743					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

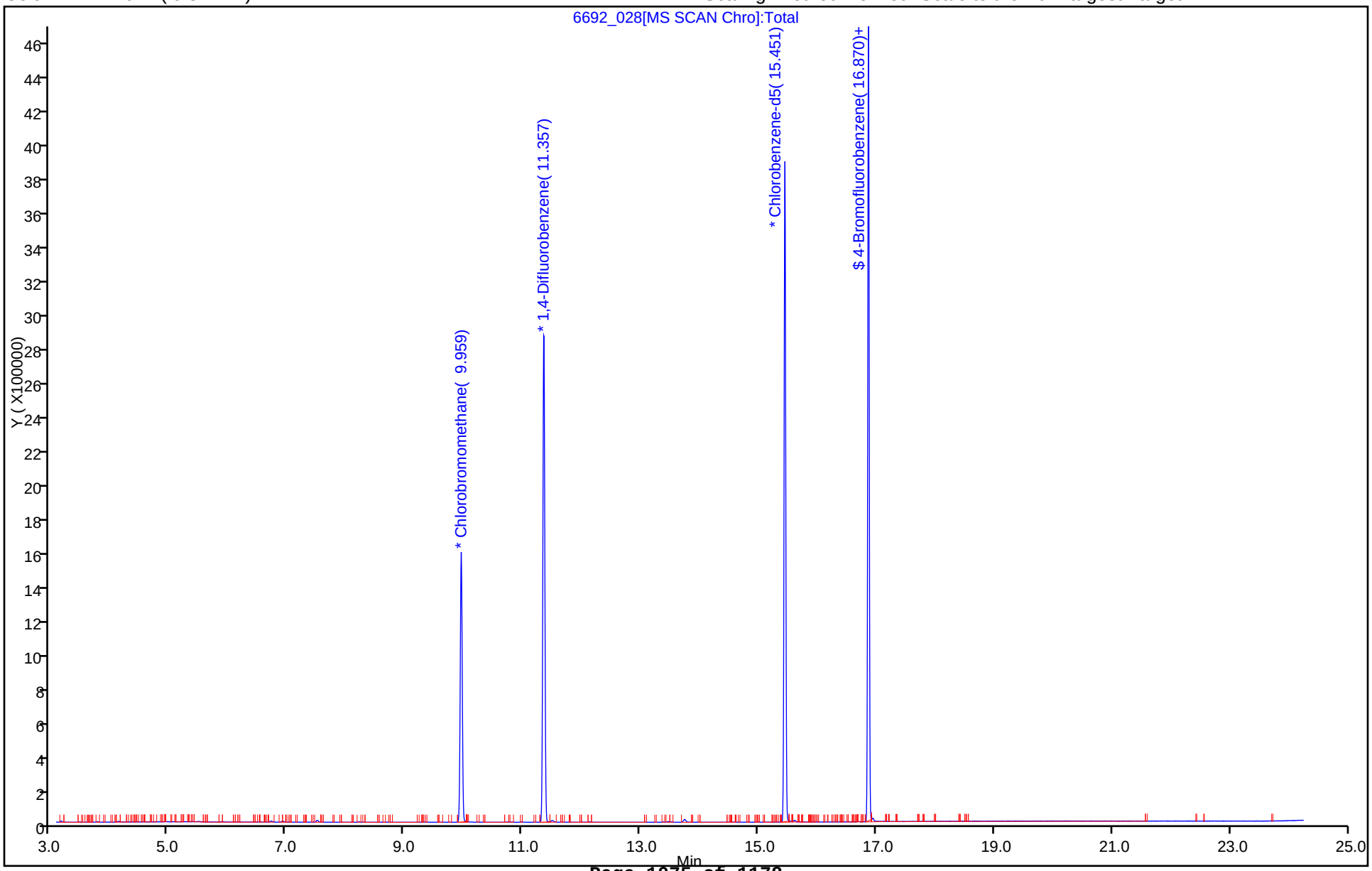
Report Date: 26-Mar-2014 12:08:11 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140325-6692.b\6692_028.D

Injection Date:	26-Mar-2014 09:53:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-21537-A-4	Lab Sample ID:	200-21537-4	Worklist Smp#:	28
Client ID:	3328				
Purge Vol:	5.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Client Sample ID: 4373 Lab Sample ID: 200-21554-9

Matrix: Air Lab File ID: 6759_05.D

Analysis Method: TO-15 Date Collected: 03/26/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/28/2014 13:13

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70021 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

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Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Client Sample ID: 4373 Lab Sample ID: 200-21554-9

Matrix: Air Lab File ID: 6759_05.D

Analysis Method: TO-15 Date Collected: 03/26/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/28/2014 13:13

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70021 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Client Sample ID: 4373 Lab Sample ID: 200-21554-9

Matrix: Air Lab File ID: 6759_05.D

Analysis Method: TO-15 Date Collected: 03/26/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/28/2014 13:13

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70021 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Report Date: 28-Mar-2014 14:00:42 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140328-6759.b\6759_05.D
Lims ID: 200-21554-A-9 Lab Sample ID: 200-21554-9
Client ID: 4373
Sample Type: Client
Inject. Date: 28-Mar-2014 13:13:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0006759-005
Misc. Info.: 21554-9
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140328-6759.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Mar-2014 11:58:26 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: desjardinsb Date: 28-Mar-2014 14:00:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		3.181					
2 Dichlorodifluoromethane	85		3.256					
6 Chlorodifluoromethane	51		3.315					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.544					
8 Chloromethane	50		3.699					
9 Butane	43		3.918					
10 Vinyl chloride	62		3.966					
11 Butadiene	54		4.051					
12 Bromomethane	94		4.788					
13 Chloroethane	64		5.049					
15 Vinyl bromide	106		5.465					
16 Trichlorofluoromethane	101		5.572					
19 Ethanol	45		6.229					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.714					
24 1,1-Dichloroethene	96		6.757					
25 Acetone	43		7.034					
26 Carbon disulfide	76		7.141					
27 Isopropyl alcohol	45		7.360					
29 3-Chloro-1-propene	41		7.589					
31 Methylene Chloride	49		7.899					
32 2-Methyl-2-propanol	59		8.155					
33 Methyl tert-butyl ether	73		8.315					
34 trans-1,2-Dichloroethene	61		8.342					
36 Hexane	57		8.737					
37 1,1-Dichloroethane	63		9.260					
38 Vinyl acetate	43		9.356					
S 41 1,2-Dichloroethene, Total	61		10.200					
39 cis-1,2-Dichloroethene	96		10.423					
40 2-Butanone (MEK)	72		10.498					
42 Ethyl acetate	88		10.535					
* 43 Chlorobromomethane	128	10.914	10.914	0.0	65	717385	10.0	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	44 Tetrahydrofuran		42		10.930					
	45 Chloroform		83		11.053					
	46 Cyclohexane		84		11.283					
	47 1,1,1-Trichloroethane		97		11.331					
	48 Carbon tetrachloride		117		11.581					
	51 Isooctane		57		12.040					
	50 Benzene		78		12.083					
	52 1,2-Dichloroethane		62		12.291					
	53 n-Heptane		43		12.451					
*	54 1,4-Difluorobenzene		114	12.980	12.980	0.0	91		4017514	10.0
	56 Trichloroethene		95		13.465					
	58 1,2-Dichloropropane		63		14.063					
	59 Methyl methacrylate		69		14.245					
	60 1,4-Dioxane		88		14.309					
	61 Dibromomethane		174		14.330					
	62 Dichlorobromomethane		83		14.634					
	64 cis-1,3-Dichloropropene		75		15.589					
	65 4-Methyl-2-pentanone (MIBK)		43		15.899					
	66 Toluene		92		16.187					
	70 trans-1,3-Dichloropropene		75		16.801					
	71 1,1,2-Trichloroethane		83		17.180					
	72 Tetrachloroethene		166		17.271					
	73 2-Hexanone		43		17.644					
	74 Chlorodibromomethane		129		17.948					
	75 Ethylene Dibromide		107		18.226					
*	76 Chlorobenzene-d5		117	19.122	19.122	0.0	80		3973388	10.0
	77 Chlorobenzene		112		19.181					
	78 Ethylbenzene		91		19.331					
	81 m-Xylene & p-Xylene		106		19.581					
S	82 Xylenes, Total		106		20.100					
	83 o-Xylene		106		20.393					
	84 Styrene		104		20.441					
	85 Bromoform		173		20.841					
	86 Isopropylbenzene		105		21.022					
$	87 4-Bromofluorobenzene		95	21.375	21.380	-0.005	96		2430977	NC
	88 1,1,2,2-Tetrachloroethane		83		21.647					
	90 N-Propylbenzene		91		21.706					
	91 4-Ethyltoluene		105		21.887					
	92 2-Chlorotoluene		91		21.903					
	94 1,3,5-Trimethylbenzene		105		21.988					
	96 tert-Butylbenzene		119		22.458					
	97 1,2,4-Trimethylbenzene		105		22.554					
	98 sec-Butylbenzene		105		22.773					
	99 4-Isopropyltoluene		119		22.970					
	100 1,3-Dichlorobenzene		146		23.008					
	101 1,4-Dichlorobenzene		146		23.146					
	102 Benzyl chloride		91		23.355					
	103 n-Butylbenzene		91		23.557					
	105 1,2-Dichlorobenzene		146		23.702					
	107 1,2,4-Trichlorobenzene		180		26.327					
	108 Hexachlorobutadiene		225		26.514					
	109 Naphthalene		128		26.856					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

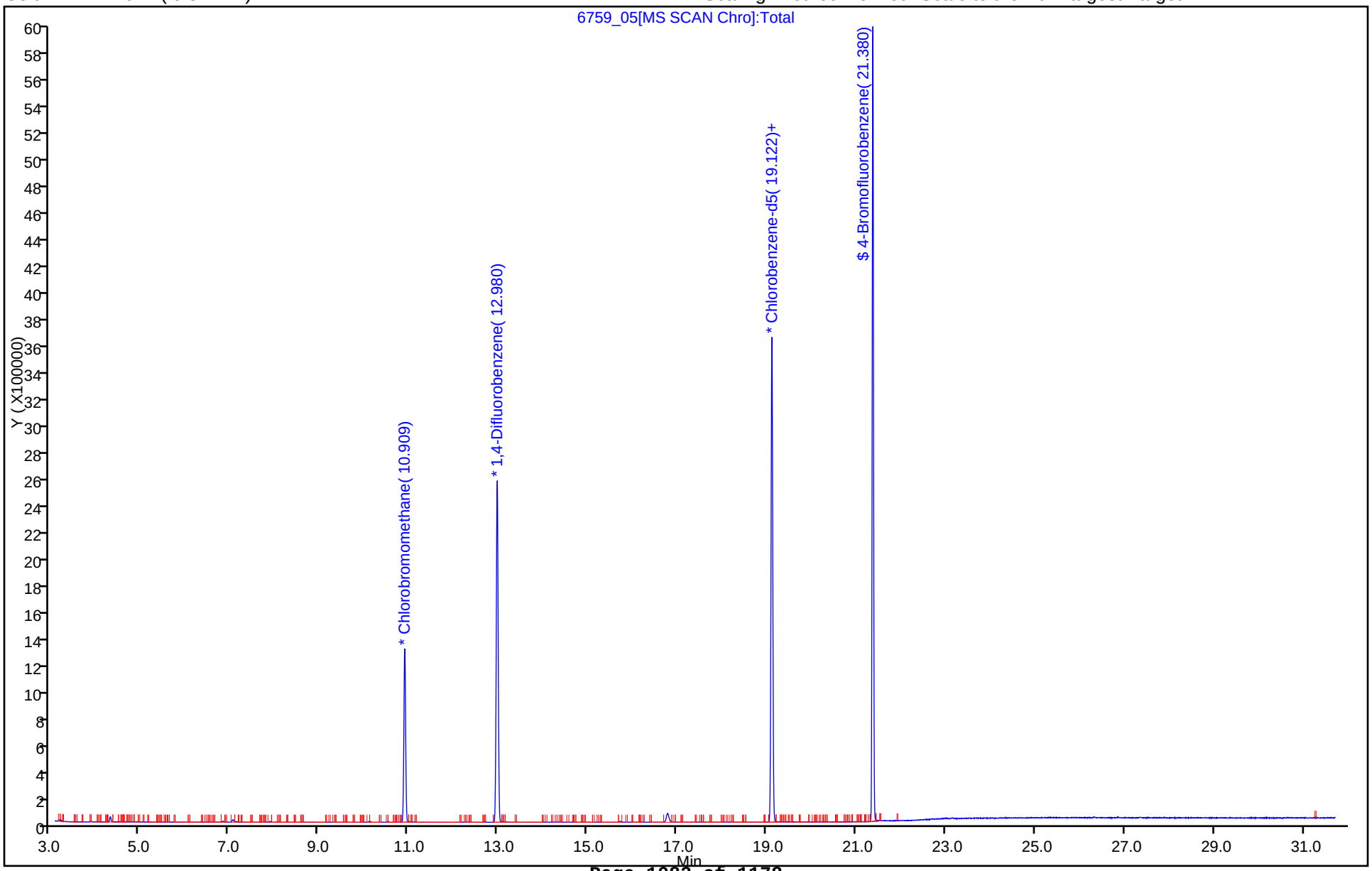
Report Date: 28-Mar-2014 14:00:42 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140328-6759.b\6759_05.D

Injection Date:	28-Mar-2014 13:13:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21554-A-9	Lab Sample ID:	200-21554-9	Worklist Smp#:	5
Client ID:	4373				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21318-1 Analy Batch No.: 68619

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-68619/6	6246_006.D
Level 2	IC 200-68619/7	6246_007.D
Level 3	IC 200-68619/8	6246_008.D
Level 4	IC 200-68619/9	6246_009.D
Level 5	ICIS 200-68619/10	6246_010.D
Level 6	IC 200-68619/11	6246_011.D
Level 7	IC 200-68619/12	6246_012.D
Level 8	IC 200-68619/13	6246_013.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.3790	0.7148 0.3651	0.5325 0.3363	0.4395	0.4003	Ave		0.4525				29.0		30.0			
Dichlorodifluoromethane	+++++ 2.9874	+++++ 2.8719	3.7069 2.5818	3.5158	3.1589	Ave		3.1371				13.0		30.0			
Freon 22	+++++ 1.1103	+++++ 1.0831	1.3941 0.9884	1.3139	1.1968	Ave		1.1811				13.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.4982	2.9659 2.4044	3.1537 2.1606	2.9606	2.6635	Ave		2.6867				13.0		30.0			
Chloromethane	+++++ 0.5533	+++++ 0.5482	0.7230 0.5063	0.6554	0.5875	Ave		0.5956				13.0		30.0			
n-Butane	+++++ 0.7455	+++++ 0.7094	0.9492 0.6507	0.8742	0.7817	Ave		0.7851				14.0		30.0			
Vinyl chloride	1.0034 0.7381	0.8642 0.7149	0.9178 0.6605	0.8506	0.7784	Ave		0.8160				14.0		30.0			
1,3-Butadiene	+++++ 0.4505	0.5325 0.4310	0.5198 0.4026	0.5203	0.4743	Ave		0.4758				11.0		30.0			
Bromomethane	+++++ 1.0944	1.2407 1.0686	1.3271 0.9905	1.2599	1.1512	Ave		1.1618				10.0		30.0			
Chloroethane	+++++ 0.3098	+++++ 0.3014	0.3824 0.2800	0.3491	0.3212	Ave		0.3240				11.0		30.0			
Isopentane	+++++ 0.4694	0.6333 0.4590	0.5858 0.4236	0.5377	0.4893	Ave		0.5140				15.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.2099	1.3175 1.1834	1.3962 1.1154	1.3594	1.2482	Ave		1.2614				8.0		30.0			
Trichlorofluoromethane	+++++ 3.3690	3.9158 3.2572	4.1251 3.0024	3.8886	3.5242	Ave		3.5832				11.0		30.0			
n-Pentane	+++++ 0.7616	+++++ 0.7386	0.9161 0.6848	0.8786	0.7926	Ave		0.7954				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21318-1 Analy Batch No.: 68619

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.1881	+++++ 0.1853	0.2071 0.1702	0.1978	0.1977	Ave		0.1910				6.7		30.0			
Ethyl ether	+++++ 0.3844	0.4421 0.3774	0.4217 0.3489	0.4319	0.3959	Ave		0.4003				8.3		30.0			
Acrolein	+++++ 0.1860	+++++ 0.1868	+++++ 0.1778	0.2117	0.1927	Ave		0.1910				6.7		30.0			
Freon TF	+++++ 2.1059	2.4624 2.0546	2.5764 1.8830	2.4437	2.2143	Ave		2.2486				11.0		30.0			
1,1-Dichloroethene	+++++ 0.8763	1.0812 0.8661	1.1007 0.7895	1.0239	0.9260	Ave		0.9520				12.0		30.0			
Acetone	+++++ 0.7971	+++++ 0.8386	+++++ 0.7060	0.9395	1.1132	Ave		0.8789				18.0		30.0			
Carbon disulfide	+++++ 2.4487	+++++ 2.1749	2.5564 2.0324	2.4828	2.2943	Ave		2.3316				8.6		30.0			
Isopropyl alcohol	+++++ 0.6937	+++++ 0.6671	+++++ 0.5864	0.8299	0.7687	Ave		0.7092				13.0		30.0			
3-Chloropropene	+++++ 0.6020	0.6648 0.5923	0.6802 0.5536	0.6807	0.6293	Ave		0.6290				7.8		30.0			
Acetonitrile	+++++ 0.3343	+++++ 0.3306	+++++ 0.2974	0.3817	0.3475	Ave		0.3383				9.0		30.0			
Methylene Chloride	+++++ 0.6573	+++++ 0.6531	0.8540 0.6026	0.7739	0.7006	Ave		0.7069				13.0		30.0			
tert-Butyl alcohol	+++++ 1.2326	+++++ 1.2177	+++++ 1.0621	1.4441	1.3426	Ave		1.2598				11.0		30.0			
Methyl tert-butyl ether	+++++ 2.1552	2.3025 2.1124	2.4465 1.9713	2.4261	2.2480	Ave		2.2374				7.7		30.0			
trans-1,2-Dichloroethene	+++++ 0.9840	1.1100 0.9521	1.1752 0.8772	1.1426	1.0320	Ave		1.0390				10.0		30.0			
Acrylonitrile	+++++ 0.3737	+++++ 0.3698	0.3979 0.3534	0.4100	0.3871	Ave		0.3820				5.4		30.0			
n-Hexane	+++++ 0.8027	0.9300 0.7717	0.9275 0.7220	0.8956	0.8249	Ave		0.8392				9.6		30.0			
1,1-Dichloroethane	1.8728 1.4106	1.5118 1.3786	1.6374 1.2923	1.6128	1.4588	Ave		1.5219				12.0		30.0			
Vinyl acetate	+++++ 1.4586	+++++ 1.4336	+++++ 1.3509	1.6067	1.5101	Ave		1.4720				6.4		30.0			
cis-1,2-Dichloroethene	+++++ 1.2236	1.3809 1.2157	1.4483 1.1225	1.3690	1.2681	Ave		1.2897				8.8		30.0			
Methyl Ethyl Ketone	+++++ 0.4063	+++++ 0.3921	0.5877 0.3624	0.4465	0.4213	Ave		0.4361				18.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21318-1 Analy Batch No.: 68619

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0650	+++++ 0.0646	+++++ 0.0604	0.0716	0.0688	Ave		0.0661				6.5		30.0			
Tetrahydrofuran	+++++ 0.1164	+++++ 0.1139	+++++ 0.1073	0.1333	0.1238	Ave		0.1189				8.4		30.0			
Chloroform	+++++ 2.7018	2.9925 2.6339	3.2808 2.4348	3.1270	2.8420	Ave		2.8590				10.0		30.0			
Cyclohexane	+++++ 0.2335	0.2692 0.2286	0.2896 0.2081	0.2713	0.2468	Ave		0.2496				11.0		30.0			
1,1,1-Trichloroethane	+++++ 0.5599	0.6287 0.5463	0.6614 0.5043	0.6418	0.5910	Ave		0.5905				9.6		30.0			
Carbon tetrachloride	0.8704 0.7170	0.7330 0.7011	0.7920 0.6630	0.7981	0.7476	Ave		0.7528				8.7		30.0			
Benzene	+++++ 0.6126	0.7670 0.5960	0.7802 0.5356	0.7241	0.6554	Ave		0.6673				14.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.7504	0.8447 0.7188	0.9318 0.6407	0.8886	0.7986	Ave		0.7963				13.0		30.0			
1,2-Dichloroethane	+++++ 0.3158	0.3579 0.3097	0.3637 0.2917	0.3606	0.3323	Ave		0.3331				8.5		30.0			
n-Heptane	+++++ 0.2656	0.3901 0.2555	0.3322 0.2291	0.3164	0.2826	Ave		0.2959				18.0		30.0			
n-Butanol	+++++ 0.1138	+++++ 0.1085	+++++ 0.0985	0.1250	0.1251	Ave		0.1142				9.9		30.0			
Trichloroethene	0.6018 0.4313	0.4822 0.4200	0.5161 0.3834	0.4935	0.4566	Ave		0.4731				14.0		30.0			
1,2-Dichloropropane	+++++ 0.2993	+++++ 0.2894	0.3554 0.2648	0.3491	0.3164	Ave		0.3124				11.0		30.0			
Methyl methacrylate	+++++ 0.2743	+++++ 0.2672	0.2519 0.2410	0.3044	0.2912	Ave		0.2717				8.7		30.0			
1,4-Dioxane	+++++ 0.1435	+++++ 0.1333	+++++ 0.1050	0.1845	0.1685	Ave		0.1470				21.0		30.0			
Dibromomethane	+++++ 0.5299	0.5059 0.5205	0.5472 0.4799	0.5665	0.5483	Ave		0.5283				5.5		30.0			
Bromodichloromethane	+++++ 0.7822	0.7104 0.7619	0.8147 0.7015	0.8719	0.8169	Ave		0.7799				7.8		30.0			
cis-1,3-Dichloropropene	+++++ 0.5275	0.5037 0.5167	0.5567 0.4785	0.5843	0.5498	Ave		0.5310				6.7		30.0			
methyl isobutyl ketone	+++++ 0.4791	+++++ 0.4654	0.5090 0.4170	0.5542	0.5084	Ave		0.4889				9.5		30.0			
Toluene	+++++ 0.6736	0.8475 0.6539	0.8557 0.5939	0.7881	0.7155	Ave		0.7326				14.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21318-1 Analy Batch No.: 68619

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.4757	0.5660 0.4515	0.6118 0.3919	0.5769	0.5095	Ave		0.5119				15.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.5472	0.5000 0.5393	0.5358 0.5022	0.5938	0.5676	Ave		0.5408				6.2		30.0			
1,1,2-Trichloroethane	+++++ 0.3425	0.4013 0.3302	0.4312 0.2966	0.4020	0.3650	Ave		0.3670				13.0		30.0			
Tetrachloroethene	0.9338 0.7367	0.8221 0.7240	0.8469 0.6644	0.8066	0.7642	Ave		0.7873				11.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4399	+++++ 0.4240	0.4247 0.3847	0.4984	0.4602	Ave		0.4387				8.7		30.0			
Dibromochloromethane	+++++ 0.9758	0.7972 0.9608	0.9394 0.8879	1.0535	1.0145	Ave		0.9470				8.9		30.0			
1,2-Dibromoethane	+++++ 0.7320	0.6994 0.7215	0.7824 0.6592	0.8090	0.7678	Ave		0.7388				7.0		30.0			
Chlorobenzene	+++++ 1.0220	1.1042 0.9920	1.2016 0.9015	1.1480	1.0700	Ave		1.0628				9.5		30.0			
Ethylbenzene	+++++ 1.4406	1.6349 1.3849	1.7496 1.2345	1.6743	1.5338	Ave		1.5218				12.0		30.0			
n-Nonane	+++++ 0.4993	0.6108 0.4715	0.6510 0.4027	0.6151	0.5396	Ave		0.5414				17.0		30.0			
m,p-Xylene	+++++ 0.5833	0.6732 0.5577	0.7351 0.4869	0.6939	0.6247	Ave		0.6221				14.0		30.0			
Xylene, o-	+++++ 0.6179	0.7013 0.5922	0.7302 0.5305	0.7180	0.6556	Ave		0.6494				11.0		30.0			
Styrene	+++++ 0.8950	0.7292 0.8822	0.8183 0.8051	0.9800	0.9422	Ave		0.8646				10.0		30.0			
Bromoform	+++++ 0.9868	0.6585 0.9680	0.7646 0.8734	1.0116	1.0068	Ave		0.8956				15.0		30.0			
Cumene	+++++ 1.6955	1.9142 1.6278	2.0836 1.3845	2.0022	1.8098	Ave		1.7882				13.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8368	0.9511 0.7931	1.0202 0.6766	1.0058	0.9000	Ave		0.8834				14.0		30.0			
1,2,3-Trichloropropane	+++++ 0.5560	+++++ 0.5167	0.7169 0.4246	0.6896	0.6072	Ave		0.5852				19.0		30.0			
n-Propylbenzene	+++++ 1.7505	2.0045 1.6320	2.1816 1.2866	2.1484	1.9133	Ave		1.8452				17.0		30.0			
2-Chlorotoluene	+++++ 1.1249	1.4237 1.0380	1.5758 0.8450	1.4702	1.2593	Ave		1.2481				21.0		30.0			
4-Ethyltoluene	+++++ 1.4133	1.5374 1.3144	1.8036 1.0959	1.7845	1.5620	Ave		1.5016				17.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21318-1 Analy Batch No.: 68619

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Decane	+++++ 0.4869	+++++ 0.4329	0.8002 0.3339	0.6874	0.5657	Ave		0.5512				31.0	*	30.0			
1,3,5-Trimethylbenzene	+++++ 1.4241	1.5856 1.3557	1.6894 1.1591	1.6548	1.5215	Ave		1.4843				13.0		30.0			
Alpha Methyl Styrene	+++++ 0.7386	0.4902 0.7181	0.5931 0.6619	0.7878	0.7701	Ave		0.6800				16.0		30.0			
tert-Butylbenzene	+++++ 1.4158	1.6505 1.3510	1.7694 1.1603	1.6832	1.5208	Ave		1.5073				14.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.4103	1.4768 1.3415	1.5803 1.1247	1.6233	1.4992	Ave		1.4366				12.0		30.0			
sec-Butylbenzene	+++++ 2.0054	2.3299 1.8723	2.5263 1.3417	2.4266	2.1646	Ave		2.0953				19.0		30.0			
4-Isopropyltoluene	+++++ 1.6844	1.8650 1.5616	2.0415 1.1741	2.0353	1.8249	Ave		1.7410				17.0		30.0			
1,3-Dichlorobenzene	+++++ 0.9602	0.7275 0.9249	0.8244 0.8156	0.9975	0.9972	Ave		0.8925				12.0		30.0			
1,4-Dichlorobenzene	+++++ 0.9756	0.6150 0.9708	0.7069 0.8942	0.9241	0.9794	Ave		0.8666				17.0		30.0			
Benzyl chloride	+++++ 1.0292	0.6091 1.0483	0.6936 0.9779	1.0211	1.0511	Ave		0.9186				20.0		30.0			
n-Butylbenzene	+++++ 1.3896	1.2546 1.3074	1.4538 1.0894	1.6106	1.4877	Ave		1.3704				12.0		30.0			
n-Undecane	+++++ 0.6417	+++++ 0.5863	+++++ 0.4759	0.7997	0.7082	Ave		0.6424				19.0		30.0			
1,2-Dichlorobenzene	+++++ 1.0082	+++++ 0.9898	+++++ 0.8983	1.0253	1.0277	Ave		0.9899				5.4		30.0			
n-Dodecane	+++++ 0.1205	+++++ 0.1133	+++++ 0.0627	0.1022	0.1051	Ave		0.1008				22.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.6411	+++++ 0.6458	0.2122 0.5714	0.4825	0.6154	Ave		0.5281				31.0	*	30.0			
Hexachlorobutadiene	+++++ 0.5438	0.2782 0.5308	0.3635 0.3459	0.5339	0.5249	Ave		0.4459				25.0		30.0			
Naphthalene	+++++ 1.5541	+++++ 1.4556	0.5472 1.2395	1.1889	1.5698	Ave		1.2592				30.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6451	0.0882 0.6392	0.1490 0.4240	0.4756	0.6161	Ave		0.4339				53.0	*	30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21318-1 Analy Batch No.: 68619

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-68619/6	6246_006.D
Level 2	IC 200-68619/7	6246_007.D
Level 3	IC 200-68619/8	6246_008.D
Level 4	IC 200-68619/9	6246_009.D
Level 5	ICIS 200-68619/10	6246_010.D
Level 6	IC 200-68619/11	6246_011.D
Level 7	IC 200-68619/12	6246_012.D
Level 8	IC 200-68619/13	6246_013.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 409939	9932 531626	18540 983061	151117	286297	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 3230850	+++++ 4181834	129063 7546057	1208772	2259292	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1200735	+++++ 1577162	48538 2888804	451729	855933	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2701745	41209 3501162	109804 6314979	1017902	1904928	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 598384	+++++ 798173	25172 1479893	225318	420154	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 806246	+++++ 1032909	33049 1901790	300548	559089	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2816 798226	12008 1041015	31954 1930472	292452	556751	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 487180	7398 627561	18097 1176646	178903	339253	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 1183604	17238 1556035	46205 2895032	433178	823346	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 335083	+++++ 438854	13315 818413	120029	229705	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 507695	8799 668334	20397 1237978	184884	349976	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 1308520	18306 1723153	48611 3260069	467389	892749	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 3643540	54407 4742944	143623 8775338	1336944	2520532	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 823688	+++++ 1075523	31896 2001506	302081	566844	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 271826	+++++ 539835	72194 1243817	136094	212163	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21318-1 Analy Batch No.: 68619

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 415742	6143 549493	14683 1019836	148478	283148	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 201208	+++++ 271982	+++++ 519709	72770	137856	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 2277520	34213 2991683	89704 5503611	840163	1583677	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 947756	15022 1261148	38323 2307432	352045	662295	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 862031	+++++ 1221169	+++++ 2063546	323029	796155	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2648261	+++++ 3166898	89006 5940319	853634	1640891	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 750208	+++++ 971316	+++++ 1713889	285338	549794	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 651073	9237 862409	23682 1618104	234040	450082	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 361566	+++++ 481394	+++++ 869306	131243	248568	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 710830	+++++ 950923	29735 1761297	266067	501054	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1333072	+++++ 1773174	+++++ 3104259	496490	960229	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 2330831	31992 3075884	85180 5761697	834114	1607772	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1064193	15422 1386349	40916 2563803	392851	738091	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 404196	+++++ 538419	13855 1033037	140952	276821	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 868088	12921 1123675	32294 2110178	307913	589981	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	5256 1525580	21005 2007403	57010 3777110	554518	1043330	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1577514	+++++ 2087444	+++++ 3948444	552395	1080017	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1323299	19187 1770187	50426 3280795	470673	906927	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 439441	+++++ 570879	20463 1059095	153510	301345	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 70260	+++++ 94118	+++++ 176622	24618	49181	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 714991	+++++ 939094	+++++ 1745766	262302	499970	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21318-1 Analy Batch No.: 68619

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2921953	41579 3835335	114228 7116385	1075112	2032630	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1433887	21357 1884655	57411 3386982	533914	997051	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 3437517	49882 4503954	131103 8206833	1263234	2387389	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	13918 4402582	58162 5780737	156994 10788406	1570962	3020168	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 3761203	60856 4914178	154653 8715559	1425155	2647780	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 4607690	67023 5926650	184696 10425438	1749112	3226416	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1939265	28397 2553638	72082 4747119	709813	1342503	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 1630783	30950 2106255	65839 3727378	622697	1141680	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 698968	+++++ 894348	+++++ 1602361	245970	505365	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	9623 2647845	38256 3463198	102297 6239533	971312	1844608	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1837625	+++++ 2386362	70446 4309146	687104	1278379	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1684416	+++++ 2202970	49923 3921743	599107	1176380	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 881134	+++++ 1099302	+++++ 1709373	363088	680611	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 3253569	40138 4291738	108460 7808407	1115046	2215033	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 4802511	56366 6281735	161476 11414848	1716250	3300205	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 3238934	39968 4259880	110337 7786571	1150002	2221070	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2941842	+++++ 3837041	100890 6786028	1090848	2053865	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 4313082	64574 5619306	165800 10062727	1590379	2998194	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 2920702	44909 3722407	121271 6377605	1135415	2058389	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 3359685	39671 4446522	106208 8172557	1168774	2292877	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 2193082	30580 2837907	83539 5024630	811215	1529284	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21318-1 Analy Batch No.: 68619

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	14419 4717288	62640 6221845	164090 11257293	1627552	3202244	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2816666	+++++ 3644308	82281 6517803	1005814	1928485	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 6248363	60743 8257492	182005 15043588	2125782	4251148	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 4686871	53293 6200376	151583 11168909	1632564	3217385	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 6544081	84135 8525443	232809 15274499	2316460	4483831	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 9224141	124570 11901776	338982 20917158	3378545	6427281	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 3197055	46544 4051815	126136 6823424	1241178	2261097	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 7470362	102596 9585988	284857 16500183	2800392	5235134	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 3956763	53436 5089695	141475 8987903	1448848	2747243	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 5731100	55566 7581441	158543 13641554	1977497	3948082	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 6318722	50174 8318745	148133 14797457	2041252	4218739	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 10856447	145855 13989868	403696 23458205	4040344	7583518	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 5358285	72471 6815546	197660 11463767	2029661	3771098	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 3560001	+++++ 4440353	138895 7193533	1391625	2544453	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 11208613	152735 14025147	422680 21799286	4335173	8017289	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 7203124	108483 8920326	305303 14316837	2966781	5276687	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 9049566	117145 11296239	349454 18568014	3601019	6545510	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 3118009	+++++ 3720783	155046 5657115	1387088	2370339	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 9119021	120819 11650765	327327 19639345	3339306	6375396	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 4729427	37350 6171333	114920 11214255	1589678	3226946	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 9065846	125760 11610585	342819 19659345	3396541	6372646	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21318-1 Analy Batch No.: 68619

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 9030475	112524 11529355	306178 19055651	3275586	6282168	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 12841290	177526 16091123	489470 22732453	4896687	9070536	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 10785413	142104 13420123	395550 19892235	4107052	7647082	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 6148441	55435 7948502	159722 13818690	2012775	4178465	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 6246800	46861 8343313	136968 15149869	1864818	4104191	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 6590225	46409 9009188	134388 16568250	2060431	4404416	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 8898136	95595 11235803	281679 18457704	3250065	6233885	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 4109189	+++++ 5038697	+++++ 8063472	1613618	2967633	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 6455653	+++++ 8506718	+++++ 15220896	2068985	4306560	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 771526	+++++ 974121	+++++ 1062315	206208	440445	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 4105144	+++++ 5549938	41123 9680944	973721	2578741	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 3482315	21199 4561824	70423 5860214	1077440	2199519	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 9951278	+++++ 12509910	106015 21001143	2399063	6577845	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 4130531	6724 5493601	28868 7183636	959669	2581839	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21519-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-69583/3	6584_03.D
Level 2	IC 200-69583/4	6584_04.D
Level 3	IC 200-69583/17	6584_17.D
Level 4	IC 200-69583/6	6584_06.D
Level 5	ICIS 200-69583/7	6584_07.D
Level 6	IC 200-69583/8	6584_08.D
Level 7	IC 200-69583/9	6584_09.D
Level 8	IC 200-69583/10	6584_10.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.3196	+++++ 0.3194	0.5199 0.2866	0.3351	0.3036	Ave		0.3474				25.0		30.0			
Dichlorodifluoromethane	+++++ 2.4800	+++++ 2.5571	3.0704 2.2713	2.6666	2.4118	Ave		2.5762				11.0		30.0			
Freon 22	+++++ 0.8200	+++++ 0.8420	1.0817 0.7507	0.9056	0.7955	Ave		0.8659				14.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.0553	3.0069 2.1144	2.5463 1.8719	2.1938	1.9755	Ave		2.2520				18.0		30.0			
Chloromethane	+++++ 0.3997	+++++ 0.4105	0.5586 0.3719	0.4319	0.3832	Ave		0.4260				16.0		30.0			
n-Butane	+++++ 0.6596	+++++ 0.6604	0.8617 0.5967	0.6884	0.6159	Ave		0.6804				14.0		30.0			
Vinyl chloride	0.8371 0.5617	0.8399 0.5788	0.7072 0.5303	0.5958	0.5282	Ave		0.6474				20.0		30.0			
1,3-Butadiene	+++++ 0.3853	0.5403 0.4032	0.4714 0.3691	0.4099	0.3757	Ave		0.4221				15.0		30.0			
Bromomethane	+++++ 0.7586	1.1699 0.7812	0.9599 0.7225	0.7898	0.7169	Ave		0.8427				20.0		30.0			
Chloroethane	+++++ 0.2640	+++++ 0.2706	0.3494 0.2467	0.2822	0.2519	Ave		0.2775				14.0		30.0			
Isopentane	+++++ 0.4139	0.7197 0.4171	0.5457 0.3848	0.4477	0.3948	Ave		0.4748				25.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.9620	1.3025 1.0025	1.1507 0.9311	0.9775	0.9047	Ave		1.0330				14.0		30.0			
Trichlorofluoromethane	+++++ 2.9242	4.2280 3.0424	3.5416 2.7858	3.0509	2.7691	Ave		3.1917				16.0		30.0			
n-Pentane	+++++ 0.7040	+++++ 0.7109	0.8790 0.6452	0.7312	0.6564	Ave		0.7211				12.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21519-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.1375	+++++ 0.1393	0.1645 0.1287	0.2036	0.1762	Ave		0.1583				18.0		30.0			
Ethyl ether	+++++ 0.3625	0.4839 0.3745	0.4394 0.3454	0.3805	0.3460	Ave		0.3903				13.0		30.0			
Acrolein	+++++ 0.1538	+++++ 0.1618	0.2662 0.1439	0.1723	0.1581	Ave		0.1760				26.0		30.0			
Freon TF	+++++ 1.7666	2.5125 1.8407	2.1665 1.6855	1.8304	1.6812	Ave		1.9262				16.0		30.0			
1,1-Dichloroethene	+++++ 0.8203	1.0878 0.8564	0.9775 0.7864	0.8424	0.7683	Ave		0.8770				13.0		30.0			
Acetone	+++++ 0.7307	+++++ 0.8562	+++++ 0.6387	0.7799	0.7071	Ave		0.7425				11.0		30.0			
Carbon disulfide	+++++ 1.9783	+++++ 1.8419	2.0254 1.6969	1.7981	1.6500	Ave		1.8317				8.1		30.0			
Isopropyl alcohol	+++++ 0.5444	+++++ 0.5849	+++++ 0.4894	0.5938	0.5126	Ave		0.5450				8.3		30.0			
3-Chloropropene	+++++ 0.5390	0.7361 0.5649	0.6297 0.5125	0.5659	0.5166	Ave		0.5807				14.0		30.0			
Acetonitrile	+++++ 0.2790	+++++ 0.2875	+++++ 0.2564	0.2578	0.2500	Ave		0.2661				6.1		30.0			
Methylene Chloride	+++++ 0.5081	+++++ 0.5243	0.6930 0.4703	0.5443	0.4782	Ave		0.5364				15.0		30.0			
tert-Butyl alcohol	+++++ 1.0129	+++++ 1.1519	+++++ 0.9531	1.0906	0.9553	Ave		1.0327				8.4		30.0			
Methyl tert-butyl ether	+++++ 2.1128	2.7396 2.2060	2.4146 2.0120	2.1558	1.9807	Ave		2.2316				12.0		30.0			
trans-1,2-Dichloroethene	+++++ 0.8435	1.1315 0.8679	0.9617 0.7756	0.8801	0.7941	Ave		0.8935				14.0		30.0			
Acrylonitrile	+++++ 0.3380	+++++ 0.3525	0.3646 0.3274	0.3295	0.3118	Ave		0.3373				5.6		30.0			
n-Hexane	+++++ 0.8039	1.0992 0.8148	0.9558 0.7415	0.8078	0.7377	Ave		0.8515				15.0		30.0			
1,1-Dichloroethane	1.6056 1.1315	1.6001 1.1883	1.3346 1.0835	1.1752	1.0842	Ave		1.2754				17.0		30.0			
Vinyl acetate	+++++ 1.2834	+++++ 1.3398	+++++ 1.2349	1.2842	1.1867	Ave		1.2658				4.6		30.0			
cis-1,2-Dichloroethene	+++++ 1.0491	1.4559 1.1082	1.2405 1.0337	1.0461	0.9802	Ave		1.1305				15.0		30.0			
Methyl Ethyl Ketone	+++++ 0.3754	+++++ 0.4020	0.6735 0.3624	0.3706	0.3487	Ave		0.4221				29.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21519-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0779	+++++ 0.0825	+++++ 0.0766	0.0751	0.0710	Ave		0.0766				5.5		30.0			
Tetrahydrofuran	+++++ 0.1002	+++++ 0.1051	+++++ 0.0950	0.1070	0.0959	Ave		0.1007				5.3		30.0			
Chloroform	+++++ 2.1921	3.0283 2.2930	2.5359 2.0884	2.2342	2.0569	Ave		2.3470				14.0		30.0			
Cyclohexane	+++++ 0.2403	0.3391 0.2525	0.2811 0.2273	0.2460	0.2278	Ave		0.2591				15.0		30.0			
1,1,1-Trichloroethane	+++++ 0.5194	0.7058 0.5479	0.5856 0.4934	0.5392	0.4992	Ave		0.5558				13.0		30.0			
Carbon tetrachloride	0.8018 0.6311	0.7997 0.6600	0.6832 0.6034	0.6419	0.5989	Ave		0.6775				12.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.6654	0.8970 0.6858	0.7578 0.6129	0.6910	0.6340	Ave		0.7063				14.0		30.0			
Benzene	+++++ 0.5460	0.7714 0.5768	0.6578 0.5243	0.5611	0.5168	Ave		0.5935				15.0		30.0			
1,2-Dichloroethane	+++++ 0.2548	0.3616 0.2664	0.2856 0.2368	0.2751	0.2482	Ave		0.2755				15.0		30.0			
n-Heptane	+++++ 0.2133	0.3080 0.2195	0.2517 0.1932	0.2246	0.2059	Ave		0.2309				17.0		30.0			
n-Butanol	+++++ 0.0734	+++++ 0.0781	+++++ 0.0657	0.0796	0.0680	Ave		0.0730				8.3		30.0			
Trichloroethene	0.4498 0.3299	0.4371 0.3498	0.3874 0.3191	0.3314	0.3109	Ave		0.3644				15.0		30.0			
1,2-Dichloropropane	+++++ 0.1906	0.2702 0.2029	0.2207 0.1831	0.2010	0.1823	Ave		0.2073				15.0		30.0			
Methyl methacrylate	+++++ 0.2154	+++++ 0.2287	0.2216 0.2091	0.2125	0.2012	Ave		0.2148				4.5		30.0			
1,4-Dioxane	+++++ 0.1082	+++++ 0.1140	+++++ 0.0921	0.1092	0.0964	Ave		0.1040				8.9		30.0			
Dibromomethane	+++++ 0.4621	0.5462 0.5008	0.5284 0.4765	0.4191	0.4143	Ave		0.4782				11.0		30.0			
Bromodichloromethane	+++++ 0.5635	0.7145 0.5943	0.6183 0.5386	0.5695	0.5310	Ave		0.5900				11.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.3636	0.4344 0.3870	0.3986 0.3588	0.3639	0.3417	Ave		0.3783				8.2		30.0			
methyl isobutyl ketone	+++++ 0.3293	+++++ 0.3464	0.3520 0.3080	0.3426	0.3134	Ave		0.3319				5.5		30.0			
Toluene	+++++ 0.5401	0.7081 0.5718	0.6265 0.5133	0.5271	0.5019	Ave		0.5698				13.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21519-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.3485	0.5318 0.3532	0.4010 0.2985	0.3727	0.3386	Ave		0.3778				20.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.4074	0.5310 0.4347	0.5211 0.3969	0.4034	0.3856	Ave		0.4400				14.0		30.0			
1,1,2-Trichloroethane	+++++ 0.2386	0.3065 0.2515	0.2756 0.2246	0.2406	0.2231	Ave		0.2515				12.0		30.0			
Tetrachloroethene	0.8566 0.6979	0.8218 0.7487	0.7929 0.6999	0.6317	0.6244	Ave		0.7342				12.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3218	+++++ 0.3350	0.3428 0.2933	0.3372	0.3072	Ave		0.3229				6.0		30.0			
Dibromochloromethane	+++++ 0.7641	0.8693 0.8206	0.8009 0.7531	0.7309	0.7043	Ave		0.7776				7.3		30.0			
1,2-Dibromoethane	+++++ 0.5699	0.6858 0.6082	0.6337 0.5575	0.5468	0.5266	Ave		0.5898				9.5		30.0			
Chlorobenzene	+++++ 0.8562	1.1188 0.9104	1.0232 0.8452	0.8257	0.7873	Ave		0.9095				13.0		30.0			
Ethylbenzene	+++++ 1.2698	1.6720 1.3446	1.4720 1.2248	1.2486	1.1807	Ave		1.3446				13.0		30.0			
n-Nonane	+++++ 0.4006	0.5706 0.4074	0.4779 0.3484	0.4278	0.3819	Ave		0.4307				17.0		30.0			
m,p-Xylene	+++++ 0.5571	0.7010 0.5853	0.6413 0.5125	0.5460	0.5179	Ave		0.5802				12.0		30.0			
Xylene, o-	+++++ 0.5455	0.6834 0.5770	0.6137 0.5231	0.5249	0.5019	Ave		0.5671				11.0		30.0			
Styrene	+++++ 0.8656	0.9541 0.9204	0.9136 0.8555	0.8263	0.8014	Ave		0.8767				6.3		30.0			
Bromoform	+++++ 0.9241	0.8994 0.9992	0.8780 0.9155	0.8414	0.8278	Ave		0.8979				6.4		30.0			
Cumene	+++++ 1.6499	1.9796 1.7556	1.8282 1.4434	1.5979	1.5225	Ave		1.6824				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6366	0.8702 0.6690	0.7530 0.5785	0.6621	0.6048	Ave		0.6820				15.0		30.0			
n-Propylbenzene	+++++ 1.7908	2.3733 1.8744	2.0490 1.3850	1.7812	1.6659	Ave		1.8457				17.0		30.0			
1,2,3-Trichloropropane	+++++ 0.4947	+++++ 0.5134	0.6030 0.4371	0.5238	0.4745	Ave		0.5078				11.0		30.0			
n-Decane	+++++ 0.5014	+++++ 0.4980	0.6337 0.3936	0.5623	0.4929	Ave		0.5136				16.0		30.0			
4-Ethyltoluene	+++++ 1.6369	2.1566 1.6893	1.9088 1.2571	1.6564	1.5395	Ave		1.6921				17.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21519-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.2472	1.7057 1.2872	1.4812 1.0531	1.2999	1.1899	Ave		1.3234				16.0		30.0			
1,3,5-Trimethylbenzene	+++++ 1.4390	1.9397 1.5255	1.5897 1.2536	1.4136	1.3255	Ave		1.4981				15.0		30.0			
Alpha Methyl Styrene	+++++ 0.7626	0.7974 0.7588	0.7821 0.7610	0.7257	0.7018	Ave		0.7556				4.3		30.0			
tert-Butylbenzene	+++++ 1.4924	1.8359 1.5835	1.6778 1.2837	1.4517	1.3741	Ave		1.5284				12.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.4637	2.0433 1.5524	1.6062 1.2229	1.4348	1.3561	Ave		1.5256				17.0		30.0			
sec-Butylbenzene	+++++ 2.0632	2.5547 2.1789	2.3154 1.4251	2.0262	1.9086	Ave		2.0674				17.0		30.0			
4-Isopropyltoluene	+++++ 1.9534	2.4113 2.0603	2.1698 1.3537	1.8760	1.7911	Ave		1.9451				17.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2534	1.4162 1.3444	1.3973 1.1335	1.1669	1.1261	Ave		1.2626				9.9		30.0			
1,4-Dichlorobenzene	+++++ 1.2542	1.4128 1.3584	1.4064 1.1452	1.1687	1.1304	Ave		1.2680				9.8		30.0			
Benzyl chloride	+++++ 1.1916	1.2858 1.3735	1.2706 1.1528	1.2727	1.2001	Ave		1.2496				5.9		30.0			
n-Butylbenzene	+++++ 1.3908	1.8725 1.4049	1.6769 1.0929	1.4753	1.3414	Ave		1.4650				17.0		30.0			
n-Undecane	+++++ 0.5277	+++++ 0.5058	+++++ 0.3515	0.6195	0.5279	Ave		0.5065				19.0		30.0			
1,2-Dichlorobenzene	+++++ 1.1834	1.3600 1.2792	1.2972 1.1327	1.1061	1.0608	Ave		1.2028				9.2		30.0			
n-Dodecane	+++++ 0.4939	+++++ 0.4800	+++++ 0.1856	0.4763	0.4344	Ave		0.4140				31.0	*	30.0			
1,2,4-Trichlorobenzene	+++++ 1.0788	+++++ 1.1347	1.0891 0.6344	0.8954	0.9152	Ave		0.9580				19.0		30.0			
Hexachlorobutadiene	+++++ 0.9028	1.1167 0.9583	1.0331 0.4810	0.8767	0.8299	Ave		0.8855				23.0		30.0			
Naphthalene	+++++ 2.1568	+++++ 2.1180	1.9061 1.2421	1.7343	1.7510	Ave		1.8180				18.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.9830	0.7869 1.0166	0.9715 0.4350	0.7937	0.8142	Ave		0.8287				24.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21519-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-69583/3	6584_03.D
Level 2	IC 200-69583/4	6584_04.D
Level 3	IC 200-69583/17	6584_17.D
Level 4	IC 200-69583/6	6584_06.D
Level 5	ICIS 200-69583/7	6584_07.D
Level 6	IC 200-69583/8	6584_08.D
Level 7	IC 200-69583/9	6584_09.D
Level 8	IC 200-69583/10	6584_10.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 298868	+++++ 408082	16016 809124	90335	181800	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2318990	+++++ 3267185	94592 6412714	718864	1444396	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Freon 22	BCM	Ave	+++++ 766711	+++++ 1075776	33325 2119536	244137	476447	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1921803	30966 2701591	78444 5285181	591393	1183101	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chloromethane	BCM	Ave	+++++ 373710	+++++ 524548	17209 1050091	116419	229477	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
n-Butane	BCM	Ave	+++++ 616806	+++++ 843803	26546 1684776	185566	368841	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Vinyl chloride	BCM	Ave	1767 525225	8649 739494	21787 1497291	160603	316364	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3-Butadiene	BCM	Ave	+++++ 360241	5564 515134	14522 1042017	110497	225019	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromomethane	BCM	Ave	+++++ 709332	12048 998133	29573 2040013	212908	429354	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chloroethane	BCM	Ave	+++++ 246857	+++++ 345796	10765 696405	76075	150856	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Isopentane	BCM	Ave	+++++ 387033	7412 532924	16813 1086291	120683	236450	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 899568	13413 1280905	35451 2628769	263513	541836	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2734267	43541 3887278	109106 7865204	822444	1658401	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Pentane	BCM	Ave	+++++ 658272	+++++ 908364	27079 1821586	197113	393101	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Ethanol	BCM	Ave	+++++ 171760	+++++ 356128	50748 908250	82364	158331	+++++ 20.0	+++++ 40.0	5.01 100.0	7.50	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21519-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 338969	4983 478561	13536 975060	102562	207229	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acrolein	BCM	Ave	+++++ 143767	+++++ 206776	8200 406405	46452	94670	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Freon TF	BCM	Ave	+++++ 1651853	25874 2351895	66744 4758714	493432	1006861	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 767018	11202 1094257	30114 2220318	227098	460152	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acetone	BCM	Ave	+++++ 683269	+++++ 1093966	+++++ 1803417	210248	423482	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Carbon disulfide	BCM	Ave	+++++ 1849794	+++++ 2353435	62396 4790875	484724	988159	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Isopropyl alcohol	BCM	Ave	+++++ 509071	+++++ 747347	+++++ 1381834	160073	306988	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
3-Chloropropene	BCM	Ave	+++++ 503999	7581 721771	19400 1447049	152541	309412	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acetonitrile	BCM	Ave	+++++ 260894	+++++ 367368	+++++ 723819	69510	149718	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Methylene Chloride	BCM	Ave	+++++ 475096	+++++ 669926	21351 1327962	146744	286418	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 947102	+++++ 1471769	+++++ 2690824	294004	572145	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1975578	28213 2818621	74387 5680600	581168	1186227	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 788753	11652 1108915	29628 2189873	237263	475571	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acrylonitrile	BCM	Ave	+++++ 316036	+++++ 450337	11233 924437	88837	186728	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
n-Hexane	BCM	Ave	+++++ 751733	11320 1041087	29445 2093609	217778	441793	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1-Dichloroethane	BCM	Ave	3389 1057988	16478 1518338	41116 3059145	316815	649312	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Vinyl acetate	BCM	Ave	+++++ 1200019	+++++ 1711893	+++++ 3486674	346192	710683	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 980984	14993 1416015	38215 2918433	281994	587020	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 350986	+++++ 513694	20748 1023216	99907	208818	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Ethyl acetate	BCM	Ave	+++++ 72861	+++++ 105391	+++++ 216153	20246	42532	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Tetrahydrofuran	DFB	Ave	+++++ 513368	+++++ 734029	+++++ 1485013	153459	308296	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21519-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2049741	31186 2929800	78125 5896383	602303	1231884	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Cyclohexane	DFB	Ave	+++++ 1231641	18485 1762668	48024 3552587	352757	732126	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2662058	38477 3825219	100051 7710854	773006	1604820	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Carbon tetrachloride	DFB	Ave	9057 3234907	43596 4607835	116734 9431564	920235	1925143	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3410430	48904 4788117	129481 9579174	990661	2038101	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Benzene	DFB	Ave	+++++ 2798383	42054 4026626	112391 8195140	804505	1661370	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1306248	19712 1859756	48796 3701240	394381	797724	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Heptane	DFB	Ave	+++++ 1093472	16789 1532398	43011 3020158	321999	661942	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Butanol	DFB	Ave	+++++ 376202	+++++ 545253	+++++ 1027530	114152	218697	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Trichloroethene	DFB	Ave	5081 1690800	23830 2442289	66198 4987397	475168	999506	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 977106	14730 1416549	37712 2861195	288170	586002	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl methacrylate	DFB	Ave	+++++ 1103836	+++++ 1596837	37867 3268669	304656	646744	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
1,4-Dioxane	DFB	Ave	+++++ 554620	+++++ 796044	+++++ 1438986	156549	309787	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Dibromomethane	DFB	Ave	+++++ 2368531	29779 3496533	90280 7447254	600831	1331677	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromodichloromethane	DFB	Ave	+++++ 2888098	38954 4148989	105647 8418584	816562	1706882	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1863705	23682 2702065	68103 5607337	521704	1098440	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1687707	+++++ 2418457	60143 4813145	491217	1007405	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Toluene	CBZ	Ave	+++++ 2827714	38081 4099784	108049 8323022	764912	1646550	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Octane	DFB	Ave	+++++ 1786298	28994 2465548	68522 4665401	534374	1088585	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2088223	28948 3034935	89036 6203417	578372	1239483	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1249163	16485 1803469	47530 3642125	349164	732074	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21519-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	9482 3654072	44193 5368390	136752 11348332	916685	2048531	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1685045	+++++ 2402133	59117 4755940	489293	1008004	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Dibromochloromethane	CBZ	Ave	+++++ 4001001	46748 5884399	138118 12210435	1060517	2310784	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2983971	36880 4361203	109295 9038760	793470	1727868	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chlorobenzene	CBZ	Ave	+++++ 4482844	60168 6527834	176457 13702992	1198049	2583151	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Ethylbenzene	CBZ	Ave	+++++ 6648515	89919 9641279	253859 19858506	1811692	3873875	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Nonane	CBZ	Ave	+++++ 2097528	30686 2921141	82426 5648557	620747	1252845	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
m,p-Xylene	CBZ	Ave	+++++ 5833710	75394 8393442	221218 16617718	1584540	3398649	+++++ 30.0	0.401 40.0	1.00 80.0	10.00	20.0
Xylene, o-	CBZ	Ave	+++++ 2856396	36754 4137056	105847 8482008	761697	1646637	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Styrene	CBZ	Ave	+++++ 4532103	51308 6599709	157564 13870189	1198984	2629466	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromoform	CBZ	Ave	+++++ 4838505	48367 7164917	151426 14843248	1220937	2715969	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Cumene	CBZ	Ave	+++++ 8638636	106461 12588419	315300 23402938	2318545	4995109	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3333370	46798 4796715	129867 9380368	960760	1984252	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Propylbenzene	CBZ	Ave	+++++ 9376775	127633 13440119	353372 22456625	2584629	5465656	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2590452	+++++ 3681350	103993 7086669	760035	1556943	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
n-Decane	CBZ	Ave	+++++ 2625161	+++++ 3571110	109292 6381846	815848	1617231	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 8570668	115977 12113148	329202 20381969	2403448	5050904	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6530371	91731 9229458	255453 17074124	1886220	3903850	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 7534716	104311 10938649	274169 20325838	2051127	4349072	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 3992968	42880 5440923	134876 12338930	1052980	2302482	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 7814140	98732 11354634	289364 20813054	2106452	4508300	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21519-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 7663747	109884 11131626	277006 19827314	2081904	4449383	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 10802817	137389 15624004	399320 23106044	2940059	6262027	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 10228064	129674 14773079	374207 21948463	2722086	5876655	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 6562820	76163 9640118	240985 18378150	1693161	3694730	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 6566876	75976 9740625	242550 18567371	1695765	3708759	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Benzyl chloride	CBZ	Ave	+++++ 6239168	69148 9848355	219132 18690693	1846791	3937421	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Butylbenzene	CBZ	Ave	+++++ 7282002	100697 10073920	289207 17720284	2140730	4400974	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Undecane	CBZ	Ave	+++++ 2763255	+++++ 3626991	+++++ 5698616	898858	1732014	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 6196158	73137 9172151	223715 18364719	1604939	3480544	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Dodecane	CBZ	Ave	+++++ 2586228	+++++ 3441646	+++++ 3009118	691167	1425197	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 5648414	+++++ 8136405	187836 10286355	1299301	3002882	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 4727211	60053 6871598	178170 7798873	1272119	2722961	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Naphthalene	CBZ	Ave	+++++ 11293279	+++++ 15186624	328732 20138429	2516517	5744919	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 5146910	42316 7289294	167553 7052922	1151653	2671513	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21533-1 Analy Batch No.: 68234

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-68234/4	6101_004.d
Level 2	IC 200-68234/5	6101_005.d
Level 3	IC 200-68234/6	6101_006.d
Level 4	IC 200-68234/7	6101_007.d
Level 5	ICIS 200-68234/8	6101_008.d
Level 6	IC 200-68234/9	6101_009.d
Level 7	IC 200-68234/10	6101_010.d
Level 8	IC 200-68234/11	6101_011.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.6294	+++++ 0.6005	0.7612 0.5795	0.7042	0.6858	Ave		0.6601				10.0		30.0			
Dichlorodifluoromethane	+++++ 4.3690	+++++ 4.0983	5.3945 3.8142	5.0215	4.7439	Ave		4.5735				13.0		30.0			
Freon 22	+++++ 1.6610	+++++ 1.5826	1.9840 1.5227	1.8515	1.7934	Ave		1.7325				10.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.5664	5.0122 3.3414	4.3260 3.1369	4.0359	3.8799	Ave		3.8998				16.0		30.0			
Chloromethane	+++++ 0.7437	+++++ 0.7184	0.9058 0.7076	0.8386	0.8095	Ave		0.7873				9.9		30.0			
n-Butane	+++++ 1.2795	+++++ 1.2234	1.3155 1.1895	1.3115	1.3348	Ave		1.2757				4.5		30.0			
Vinyl chloride	1.3892 1.0569	1.3184 1.0251	1.0925 0.9932	1.1074	1.0789	Ave		1.1327				13.0		30.0			
1,3-Butadiene	+++++ 0.7091	0.7358 0.6905	0.6461 0.6679	0.7193	0.7091	Ave		0.6968				4.5		30.0			
Bromomethane	+++++ 1.0481	1.5278 1.0801	1.2106 1.0258	1.1890	1.1185	Ave		1.1714				15.0		30.0			
Chloroethane	+++++ 0.5782	+++++ 0.5731	0.6645 0.5700	0.6278	0.6028	Ave		0.6027				6.2		30.0			
Isopentane	+++++ 0.9338	1.1843 0.9163	0.9584 0.8875	0.9726	0.9615	Ave		0.9735				10.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.5391	1.7161 1.4821	1.5083 1.4343	1.6162	1.6319	Ave		1.5611				6.3		30.0			
Trichlorofluoromethane	+++++ 4.6839	6.5595 4.4690	5.5889 4.2756	5.2645	5.0430	Ave		5.1263				15.0		30.0			
n-Pentane	+++++ 1.4023	+++++ 1.3348	1.2199 1.3000	1.4499	1.4794	Ave		1.3644				7.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21533-1 Analy Batch No.: 68234

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.2920	+++++ 0.2841	0.2909 0.2764	0.2713	0.3009	Ave		0.2860				3.8		30.0			
Ethyl ether	+++++ 0.7351	0.6622 0.7136	0.6596 0.7048	0.7564	0.7651	Ave		0.7138				5.9		30.0			
Acrolein	+++++ 0.3004	+++++ 0.2940	+++++ 0.2796	0.3153	0.3109	Ave		0.3000				4.7		30.0			
Freon TF	+++++ 2.9166	4.2091 2.7567	3.4698 2.6038	3.3246	3.1761	Ave		3.2081				17.0		30.0			
1,1-Dichloroethene	+++++ 1.3632	1.4753 1.3070	1.3349 1.2606	1.4566	1.4743	Ave		1.3817				6.3		30.0			
Acetone	+++++ 1.4238	+++++ 1.4444	+++++ 1.2845	1.6113	1.4963	Ave		1.4521				8.2		30.0			
Carbon disulfide	+++++ 3.2832	+++++ 2.9345	3.3491 2.8672	3.4191	3.2429	Ave		3.1827				7.1		30.0			
Isopropyl alcohol	+++++ 1.2162	+++++ 1.1815	+++++ 1.1090	1.3023	1.2739	Ave		1.2166				6.3		30.0			
3-Chloropropene	+++++ 1.0487	0.9286 1.0252	0.7433 1.0106	1.0390	1.0832	Ave		0.9827				12.0		30.0			
Acetonitrile	+++++ 0.5199	+++++ 0.5140	+++++ 0.4880	0.5862	0.5529	Ave		0.5322				7.1		30.0			
Methylene Chloride	+++++ 0.9409	+++++ 0.9123	1.2419 0.9033	1.0592	1.0090	Ave		1.0111				13.0		30.0			
tert-Butyl alcohol	+++++ 2.2557	+++++ 2.2155	+++++ 2.0781	2.2015	2.2870	Ave		2.2076				3.6		30.0			
Methyl tert-butyl ether	+++++ 4.0091	3.0435 3.8886	2.8398 3.7418	4.0343	4.0513	Ave		3.6583				14.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.6344	1.7595 1.5639	1.6684 1.5220	1.7833	1.7293	Ave		1.6658				5.9		30.0			
Acrylonitrile	+++++ 0.6283	+++++ 0.6063	0.5660 0.6093	0.6573	0.6504	Ave		0.6196				5.4		30.0			
n-Hexane	+++++ 1.5043	1.1190 1.4572	1.1448 1.4113	1.5878	1.5729	Ave		1.3996				14.0		30.0			
1,1-Dichloroethane	2.7266 2.0173	2.7546 1.9640	2.2001 1.9206	2.2209	2.1320	Ave		2.2420				15.0		30.0			
Vinyl acetate	+++++ 2.2149	+++++ 2.1877	1.4626 2.1148	2.2320	2.2863	Ave		2.0831				15.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.4436	1.4098 1.4356	1.4144 1.3757	1.5912	1.5451	Ave		1.4593				5.4		30.0			
Methyl Ethyl Ketone	+++++ 0.5902	+++++ 0.5776	0.7215 0.5405	0.6347	0.6245	Ave		0.6148				10.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21533-1 Analy Batch No.: 68234

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1190	+++++ 0.1151	+++++ 0.1131	0.1270	0.1233	Ave		0.1195				4.8		30.0			
Tetrahydrofuran	+++++ 0.1860	+++++ 0.1851	+++++ 0.1771	0.1996	0.1984	Ave		0.1892				5.1		30.0			
Chloroform	+++++ 3.0732	4.1322 3.0105	3.6218 2.8781	3.4517	3.2894	Ave		3.3510				13.0		30.0			
Cyclohexane	+++++ 0.3809	0.3154 0.3730	0.3081 0.3424	0.4205	0.4154	Ave		0.3651				12.0		30.0			
1,1,1-Trichloroethane	+++++ 0.7852	0.9829 0.7696	0.8468 0.7201	0.8838	0.8545	Ave		0.8347				10.0		30.0			
Carbon tetrachloride	1.1713 0.8663	1.1199 0.8430	0.9312 0.7966	0.9607	0.9380	Ave		0.9534				14.0		30.0			
2,2,4-Trimethylpentane	+++++ 1.0529	0.7645 1.0172	0.7625 0.9263	1.1501	1.1332	Ave		0.9724				17.0		30.0			
Benzene	+++++ 0.8150	0.9816 0.7913	0.9105 0.7343	0.9616	0.9057	Ave		0.8714				11.0		30.0			
1,2-Dichloroethane	+++++ 0.4166	0.5191 0.4099	0.4390 0.3935	0.4618	0.4476	Ave		0.4411				9.4		30.0			
n-Heptane	+++++ 0.3284	0.2231 0.3162	0.2484 0.2939	0.3624	0.3529	Ave		0.3036				17.0		30.0			
n-Butanol	+++++ 0.1058	+++++ 0.1125	+++++ 0.1061	0.0977	0.1186	Ave		0.1081				7.3		30.0			
Trichloroethene	0.4589 0.4347	0.4693 0.4233	0.4397 0.3971	0.4910	0.4748	Ave		0.4486				6.8		30.0			
1,2-Dichloropropane	+++++ 0.2550	0.3007 0.2466	0.2639 0.2342	0.2827	0.2750	Ave		0.2654				8.5		30.0			
Methyl methacrylate	+++++ 0.2876	+++++ 0.2798	0.2132 0.2721	0.2990	0.2994	Ave		0.2752				12.0		30.0			
1,4-Dioxane	+++++ 0.1481	+++++ 0.1415	+++++ 0.1268	0.1763	0.1701	Ave		0.1525				13.0		30.0			
Dibromomethane	+++++ 0.5100	0.6673 0.4841	0.5779 0.4480	0.6026	0.5617	Ave		0.5502				14.0		30.0			
Bromodichloromethane	+++++ 0.7400	0.8535 0.7150	0.7723 0.6779	0.8274	0.7903	Ave		0.7680				8.1		30.0			
cis-1,3-Dichloropropene	+++++ 0.4711	0.3409 0.4666	0.3190 0.4551	0.4883	0.4995	Ave		0.4344				17.0		30.0			
methyl isobutyl ketone	+++++ 0.4518	+++++ 0.4355	0.2919 0.4121	0.4798	0.4815	Ave		0.4254				17.0		30.0			
n-Octane	+++++ 0.4281	0.2899 0.4033	0.3484 0.3570	0.5184	0.4715	Ave		0.4024				19.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21533-1 Analy Batch No.: 68234

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.7015	0.7282 0.6512	0.7629 0.5945	0.8604	0.7776	Ave		0.7252				12.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.5329	0.3930 0.5240	0.4109 0.5158	0.5545	0.5579	Ave		0.4984				14.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3413	0.4252 0.3246	0.3744 0.3102	0.3894	0.3660	Ave		0.3616				11.0		30.0			
Tetrachloroethene	0.9597 0.8537	1.0224 0.8029	0.9267 0.7324	0.9948	0.9266	Ave		0.9024				11.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4501	+++++ 0.4442	0.2261 0.4236	0.4324	0.4735	Ave		0.4083				22.0		30.0			
Dibromochloromethane	+++++ 1.0003	1.0364 0.9516	0.9746 0.8941	1.1099	1.0631	Ave		1.0043				7.2		30.0			
1,2-Dibromoethane	+++++ 0.7392	0.7346 0.7085	0.6884 0.6751	0.8087	0.7809	Ave		0.7336				6.6		30.0			
Chlorobenzene	+++++ 1.1084	1.5235 1.0462	1.3524 0.9761	1.2973	1.1881	Ave		1.2132				16.0		30.0			
Ethylbenzene	+++++ 1.7071	1.6756 1.6064	1.6219 1.4483	1.9774	1.8244	Ave		1.6944				10.0		30.0			
n-Nonane	+++++ 0.5788	0.4864 0.5410	0.5601 0.4884	0.6791	0.6242	Ave		0.5654				12.0		30.0			
m,p-Xylene	+++++ 0.6677	0.6634 0.6211	0.7281 0.5574	0.8165	0.7296	Ave		0.6834				12.0		30.0			
Xylene, o-	+++++ 0.6915	0.4910 0.6479	0.5440 0.5931	0.8057	0.7416	Ave		0.6450				17.0		30.0			
Styrene	+++++ 1.0453	0.6521 0.9838	0.8057 0.9093	1.2092	1.0935	Ave		0.9570				19.0		30.0			
Bromoform	+++++ 1.0343	0.9871 0.9672	0.9631 0.8665	1.1569	1.0951	Ave		1.0100				9.4		30.0			
Cumene	+++++ 2.1406	1.4222 1.9863	1.7913 1.6885	2.5312	2.3242	Ave		1.9835				19.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.9116	1.2032 0.8541	1.0767 0.7493	1.0847	0.9998	Ave		0.9828				16.0		30.0			
n-Propylbenzene	+++++ 2.3701	2.0948 2.1679	2.2816 1.7472	2.8945	2.5990	Ave		2.3079				16.0		30.0			
1,2,3-Trichloropropane	+++++ 0.7273	+++++ 0.6835	0.8672 0.6040	0.8601	0.7957	Ave		0.7563				14.0		30.0			
n-Decane	+++++ 0.8027	+++++ 0.7337	0.7564 0.6206	0.9676	0.8679	Ave		0.7915				15.0		30.0			
4-Ethyltoluene	+++++ 2.1921	2.1959 2.0016	2.3631 1.6318	2.6755	2.3934	Ave		2.2076				15.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21533-1 Analy Batch No.: 68234

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.8632	2.1207 1.7042	2.1018 1.4743	2.2531	1.9950	Ave		1.9303				14.0		30.0			
1,3,5-Trimethylbenzene	+++++ 2.0118	2.1308 1.8417	2.1747 1.5338	2.4382	2.1710	Ave		2.0431				14.0		30.0			
Alpha Methyl Styrene	+++++ 0.9957	0.4919 0.9323	0.5588 0.8440	1.1073	1.0293	Ave		0.8513				28.0		30.0			
tert-Butylbenzene	+++++ 1.9650	1.8100 1.8030	2.1301 1.5161	2.4752	2.1908	Ave		1.9843				16.0		30.0			
1,2,4-Trimethylbenzene	+++++ 2.0084	1.6671 1.8434	2.0093 1.5504	2.4407	2.1299	Ave		1.9499				15.0		30.0			
sec-Butylbenzene	+++++ 2.6804	2.4783 2.4289	2.8624 1.9492	3.4276	2.9816	Ave		2.6869				17.0		30.0			
4-Isopropyltoluene	+++++ 2.4520	1.9363 2.2265	2.3846 1.8085	3.0524	2.6819	Ave		2.3632				18.0		30.0			
1,3-Dichlorobenzene	+++++ 1.4227	1.4923 1.3244	1.4971 1.1586	1.6330	1.4201	Ave		1.4212				11.0		30.0			
1,4-Dichlorobenzene	+++++ 1.4072	1.2057 1.3176	1.2508 1.1591	1.5402	1.3794	Ave		1.3229				9.9		30.0			
Benzyl chloride	+++++ 1.4364	0.6723 1.4194	0.7331 1.3296	1.3614	1.3643	Ave		1.1881				28.0		30.0			
n-Undecane	+++++ 0.8198	+++++ 0.7329	+++++ 0.6074	1.0133	0.8394	Ave		0.8026				19.0		30.0			
n-Butylbenzene	+++++ 1.8221	1.5827 1.6637	1.9144 1.3958	2.2483	1.9204	Ave		1.7925				15.0		30.0			
1,2-Dichlorobenzene	+++++ 1.3931	1.4061 1.3041	1.4167 1.1423	1.6069	1.4146	Ave		1.3834				10.0		30.0			
n-Dodecane	+++++ 0.6987	+++++ 0.6378	+++++ 0.0939	0.6272	0.5681	Ave		0.5251				47.0	*	30.0			
1,2,4-Trichlorobenzene	+++++ 0.8751	+++++ 0.8427	0.4242 0.6756	0.7568	0.6898	Ave		0.7107				23.0		30.0			
Hexachlorobutadiene	+++++ 1.1276	1.3821 1.0158	1.2268 0.5778	1.3453	1.1928	Ave		1.1240				24.0		30.0			
Naphthalene	+++++ 1.8494	+++++ 1.7066	0.4898 1.4383	1.4694	1.3622	Ave		1.3860				34.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.8743	0.5423 0.8261	0.3734 0.4546	0.8165	0.7483	Ave		0.6622				30.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21533-1 Analy Batch No.: 68234

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-68234/4	6101_004.d
Level 2	IC 200-68234/5	6101_005.d
Level 3	IC 200-68234/6	6101_006.d
Level 4	IC 200-68234/7	6101_007.d
Level 5	ICIS 200-68234/8	6101_008.d
Level 6	IC 200-68234/9	6101_009.d
Level 7	IC 200-68234/10	6101_010.d
Level 8	IC 200-68234/11	6101_011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 497717	+++++ 661767	17418 1299181	171162	343851	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 3454862	+++++ 4516674	123434 8550592	1220565	2378638	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1313467	+++++ 1744155	45396 3413634	450035	899214	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2820237	41809 3682503	98986 7032234	981010	1945417	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 588133	+++++ 791790	20727 1586316	203833	405869	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 1011815	+++++ 1348334	30101 2666551	318783	669296	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2173 835769	10997 1129770	24999 2226661	269168	540976	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 560716	6138 760983	14783 1497279	174832	355554	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 828778	12744 1190336	27701 2299545	289016	560804	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 457236	+++++ 631582	15205 1277845	152598	302251	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 738402	9879 1009878	21929 1989631	236416	482131	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 1217044	14315 1633426	34512 3215429	392846	818236	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 3703863	54715 4925201	127882 9585030	1279646	2528605	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 1108891	+++++ 1471017	27914 2914419	352418	741782	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 308515	+++++ 626323	66654 1549275	131994	226444	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21533-1 Analy Batch No.: 68234

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 581305	5524 786498	15093 1580002	183849	383629	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 237523	+++++ 324034	+++++ 626835	76637	155867	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 2306374	35110 3038104	79395 5837171	808116	1592514	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 1078004	12306 1440385	30544 2826103	354054	739217	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 1125892	+++++ 1591853	+++++ 2879495	391667	750249	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2596279	+++++ 3234115	76631 6427705	831075	1626028	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 961747	+++++ 1302161	+++++ 2486222	316558	638753	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 829304	7746 1129901	17007 2265645	252541	543129	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 411094	+++++ 566435	+++++ 1093925	142489	277223	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 744018	+++++ 1005390	28417 2025034	257469	505909	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1783773	+++++ 2441672	+++++ 4658737	535129	1146724	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 3170295	25387 4285532	64978 8388437	980616	2031361	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1292403	14677 1723602	38176 3411936	433458	867076	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 496804	+++++ 668184	12951 1365965	159777	326101	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 1189586	9334 1605996	26195 3163901	385941	788682	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	4265 1595192	22977 2164552	50341 4305646	539837	1069009	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1751501	+++++ 2410980	33466 4741059	542530	1146393	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1141574	11760 1582116	32364 3084080	386761	774715	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 466744	+++++ 636539	16509 1211726	154286	313135	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 94117	+++++ 126901	+++++ 253596	30878	61836	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 690927	+++++ 952136	+++++ 1880073	222914	457039	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21533-1 Analy Batch No.: 68234

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2430240	34468 3317829	82871 6452059	839011	1649325	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1414803	12613 1919134	33475 3634256	469748	957033	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2917040	39303 3959774	92001 7644188	987246	1968604	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	8697 3218312	44782 4337444	101161 8456206	1073132	2161114	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3911322	30569 5233844	82834 9832262	1284681	2610676	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 3027632	39250 4071533	98915 7794483	1074151	2086670	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1547719	20756 2108882	47698 4176790	515799	1031280	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 1220006	8920 1627119	26991 3119323	404843	813077	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 393100	+++++ 578640	+++++ 1126195	109119	273216	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	3407 1614737	18767 2178196	47767 4215341	548439	1093818	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 947244	12023 1268562	28669 2485785	315796	633574	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1068481	+++++ 1439673	23159 2888354	334014	689745	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 550207	+++++ 728137	+++++ 1345638	196887	391865	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 1894498	26683 2490929	62781 4755977	673103	1293999	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 2748878	34126 3678848	83907 7195458	924191	1820765	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1750127	13630 2400930	34655 4831261	545437	1150881	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1678347	+++++ 2240568	31716 4374920	535897	1109388	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1590149	11592 2074970	37852 3789224	579055	1086165	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 2371159	25558 3095855	73260 5834314	882590	1640930	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1979602	15715 2696132	44645 5475160	619426	1285366	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1153540	14922 1543025	35957 3044405	399446	772501	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21533-1 Analy Batch No.: 68234

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	6037 2885651	35883 3817042	88985 7188363	1020413	1955557	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1521211	+++++ 2111642	21708 4156948	443501	999194	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 3381129	36375 4523936	93585 8774775	1138452	2243618	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2498481	25783 3368163	66106 6625295	829518	1647907	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 3746501	53470 4973639	129862 9580082	1330706	2507389	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 5769956	58807 7636888	155744 14213914	2028333	3850088	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 1956375	17070 2571881	53782 4793442	696553	1317312	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 4513409	46562 5905377	139833 10940635	1675100	3079468	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 2337173	17232 3079865	52242 5820499	826439	1565048	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 3533241	22885 4677097	77369 8924095	1240344	2307779	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 3495836	34644 4598090	92486 8504614	1186666	2310981	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 7235379	49913 9442987	172015 16571499	2596374	4904975	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3081214	42226 4060277	103396 7354083	1112645	2110021	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 8010892	73520 10306137	219094 17147954	2968983	5484899	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2458252	+++++ 3249502	83276 5927464	882232	1679144	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 2713052	+++++ 3487876	72633 6090541	992488	1831550	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 7409410	77066 9515286	226925 16015232	2744394	5051019	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6297673	74427 8101828	201834 14469307	2311137	4210305	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 6799820	74782 8755104	208827 15053321	2501007	4581558	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 3365446	17264 4431870	53663 8283686	1135811	2172262	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6641827	63525 8571312	204550 14879192	2538938	4623515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21533-1 Analy Batch No.: 68234

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6788417	58508 8763488	192945 15215793	2503522	4494942	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 9059791	86979 11547049	274870 19130372	3515887	6292317	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 8287851	67956 10584636	228988 17749239	3130978	5659873	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 4808668	52373 6295982	143765 11371054	1675063	2996936	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 4756349	42316 6263556	120110 11376207	1579835	2911165	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 4855035	23594 6747945	70400 13049488	1396458	2879263	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 2770918	+++++ 3484036	+++++ 5961631	1039378	1771437	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6158663	55546 7909203	183834 13698552	2306191	4052857	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 4708714	49347 6199708	136043 11211062	1648253	2985364	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 2361611	+++++ 3032210	+++++ 921744	643320	1198806	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 2957719	+++++ 4005998	40734 6630259	776311	1455819	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 3811308	48507 4829134	117807 5670385	1379928	2517277	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 6251138	+++++ 8113281	47038 14116069	1507181	2874765	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 2955162	19032 3927460	35855 4461825	837537	1579192	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21537-1 Analy Batch No.: 69511

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-69511/3	6557_003.D
Level 2	IC 200-69511/4	6557_004.D
Level 3	IC 200-69511/5	6557_005.D
Level 4	IC 200-69511/6	6557_006.D
Level 5	ICIS 200-69511/7	6557_007.D
Level 6	IC 200-69511/8	6557_008.D
Level 7	IC 200-69511/9	6557_009.D
Level 8	IC 200-69511/10	6557_010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.0649	+++++ 0.1841	0.2747 0.1762	0.1803	0.1655	Ave		0.1743				38.0	*	30.0			
Dichlorodifluoromethane	+++++ 1.3843	+++++ 1.3872	1.8631 1.2626	1.5008	1.3628	Ave		1.4601				14.0		30.0			
Freon 22	+++++ 0.5192	+++++ 0.5365	0.6606 0.5110	0.5312	0.4957	Ave		0.5424				11.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.2780	1.8021 1.2832	1.6866 1.1718	1.3580	1.2404	Ave		1.4029				17.0		30.0			
Chloromethane	+++++ 0.2557	+++++ 0.2673	0.3374 0.2600	0.2602	0.2420	Ave		0.2704				13.0		30.0			
n-Butane	+++++ 0.4273	+++++ 0.4393	0.5808 0.4225	0.4325	0.4000	Ave		0.4504				14.0		30.0			
Vinyl chloride	0.5225 0.4164	0.5335 0.4378	0.5208 0.4226	0.4337	0.4051	Ave		0.4616				12.0		30.0			
1,3-Butadiene	+++++ 0.2876	0.3548 0.3051	0.3419 0.2945	0.2998	0.2829	Ave		0.3095				9.0		30.0			
Bromomethane	+++++ 0.7524	1.1260 0.8320	1.0784 0.8050	0.8720	0.8046	Ave		0.8958				16.0		30.0			
Chloroethane	+++++ 0.2970	+++++ 0.3413	0.4466 0.3316	0.3583	0.3322	Ave		0.3512				14.0		30.0			
Isopentane	+++++ 0.3975	0.7623 0.4509	0.6503 0.4306	0.4854	0.4419	Ave		0.5170				26.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.8584	1.2481 0.9721	1.2192 0.9407	1.0078	0.9503	Ave		1.0281				14.0		30.0			
Trichlorofluoromethane	+++++ 2.1822	3.1363 2.3916	3.0562 2.2829	2.4875	2.3177	Ave		2.5506				15.0		30.0			
n-Pentane	+++++ 0.8182	+++++ 0.8524	1.2155 0.7879	0.9202	0.8292	Ave		0.9039				18.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21537-1 Analy Batch No.: 69511

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.2119	+++++ 0.2032	0.2546 0.1803	0.2678	0.2387	Ave		0.2261				15.0		30.0			
Ethyl ether	+++++ 0.5071	0.6258 0.5140	0.6097 0.4844	0.5187	0.4844	Ave		0.5349				11.0		30.0			
Acrolein	+++++ 0.2139	+++++ 0.2216	+++++ 0.1893	0.2500	0.2275	Ave		0.2205				10.0		30.0			
Freon TF	+++++ 2.1092	2.7871 2.1282	2.5294 1.9482	2.0951	1.9898	Ave		2.2267				14.0		30.0			
1,1-Dichloroethene	+++++ 1.0535	1.2832 1.0739	1.2156 1.0189	1.0212	0.9878	Ave		1.0935				10.0		30.0			
Acetone	+++++ 0.8094	+++++ 0.9469	+++++ 0.7397	0.8184	0.7368	Ave		0.8103				11.0		30.0			
Isopropyl alcohol	+++++ 0.7740	+++++ 0.7401	+++++ 0.6297	0.7768	0.6980	Ave		0.7237				8.5		30.0			
Carbon disulfide	+++++ 2.6094	+++++ 2.3649	2.9253 2.1891	2.3918	2.2306	Ave		2.4519				11.0		30.0			
3-Chloropropene	+++++ 0.6495	0.9517 0.6571	0.8494 0.6082	0.7102	0.6364	Ave		0.7232				18.0		30.0			
Acetonitrile	+++++ 0.3643	+++++ 0.3670	+++++ 0.3327	0.3813	0.3412	Ave		0.3573				5.6		30.0			
Methylene Chloride	+++++ 0.6091	+++++ 0.6107	0.9661 0.5657	0.6695	0.5945	Ave		0.6693				22.0		30.0			
tert-Butyl alcohol	+++++ 1.4216	+++++ 1.4670	+++++ 1.2786	1.3753	1.2864	Ave		1.3658				6.1		30.0			
Methyl tert-butyl ether	+++++ 2.5967	3.0850 2.6664	2.9368 2.5416	2.5317	2.4407	Ave		2.6856				8.8		30.0			
trans-1,2-Dichloroethene	+++++ 1.0190	1.3452 1.0305	1.2687 0.9642	1.0569	0.9749	Ave		1.0942				14.0		30.0			
Acrylonitrile	+++++ 0.4677	+++++ 0.4811	0.5705 0.4538	0.4844	0.4427	Ave		0.4834				9.4		30.0			
n-Hexane	+++++ 1.0545	1.4421 1.0531	1.3195 0.9671	1.0960	1.0084	Ave		1.1344				16.0		30.0			
1,1-Dichloroethane	1.9343 1.3399	1.8300 1.3466	1.7175 1.2355	1.4109	1.2937	Ave		1.5135				18.0		30.0			
Vinyl acetate	+++++ 1.3834	+++++ 1.3742	+++++ 1.2295	1.4803	1.3402	Ave		1.3615				6.6		30.0			
cis-1,2-Dichloroethene	+++++ 1.1542	1.5159 1.1410	1.3928 0.9995	1.1741	1.1102	Ave		1.2125				15.0		30.0			
Ethyl acetate	+++++ 0.0916	+++++ 0.0920	+++++ 0.0807	0.0909	0.0869	Ave		0.0884				5.4		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21537-1 Analy Batch No.: 69511

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Methyl Ethyl Ketone	+++++ 0.4418	+++++ 0.4450	0.8399 0.3800	0.4577	0.4251	Ave		0.4983				34.0	*	30.0			
Tetrahydrofuran	+++++ 0.1117	+++++ 0.1099	+++++ 0.0985	0.1178	0.1074	Ave		0.1091				6.4		30.0			
Chloroform	+++++ 1.9716	2.5748 2.0083	2.3925 1.8935	1.9886	1.8740	Ave		2.1005				13.0		30.0			
Cyclohexane	+++++ 0.2828	0.3575 0.2783	0.3407 0.2402	0.2887	0.2710	Ave		0.2942				14.0		30.0			
1,1,1-Trichloroethane	+++++ 0.4425	0.5572 0.4388	0.5158 0.3914	0.4421	0.4164	Ave		0.4577				13.0		30.0			
Carbon tetrachloride	0.6115 0.4897	0.5836 0.4916	0.5501 0.4547	0.4723	0.4552	Ave		0.5136				12.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.7071	0.9184 0.6918	0.8763 0.6075	0.7453	0.6773	Ave		0.7462				15.0		30.0			
Benzene	+++++ 0.6129	0.8222 0.6130	0.7646 0.5549	0.6220	0.5801	Ave		0.6528				15.0		30.0			
1,2-Dichloroethane	+++++ 0.2090	0.2697 0.2119	0.2546 0.1999	0.2114	0.1969	Ave		0.2219				13.0		30.0			
n-Heptane	+++++ 0.1925	0.2935 0.1873	0.2683 0.1621	0.2119	0.1869	Ave		0.2147				22.0		30.0			
n-Butanol	+++++ 0.0900	+++++ 0.0818	+++++ 0.0739	0.0788	0.0745	Ave		0.0798				8.2		30.0			
Trichloroethene	0.4028 0.3019	0.3870 0.3006	0.3557 0.2688	0.3022	0.2852	Ave		0.3255				15.0		30.0			
1,2-Dichloropropane	+++++ 0.1758	0.2441 0.1728	0.2297 0.1506	0.1858	0.1701	Ave		0.1898				18.0		30.0			
Methyl methacrylate	+++++ 0.1989	+++++ 0.1964	0.2206 0.1742	0.2006	0.1891	Ave		0.1966				7.7		30.0			
1,4-Dioxane	+++++ 0.1171	+++++ 0.1126	+++++ 0.0963	0.1078	0.1028	Ave		0.1073				7.6		30.0			
Dibromomethane	+++++ 0.3359	0.4116 0.3256	0.3834 0.2694	0.3341	0.3200	Ave		0.3400				14.0		30.0			
Bromodichloromethane	+++++ 0.4522	0.5578 0.4529	0.5174 0.4105	0.4540	0.4263	Ave		0.4673				11.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.3350	0.3894 0.3372	0.3708 0.3102	0.3287	0.3124	Ave		0.3405				8.6		30.0			
methyl isobutyl ketone	+++++ 0.2607	+++++ 0.2567	0.3111 0.2275	0.2738	0.2506	Ave		0.2634				11.0		30.0			
n-Octane	+++++ 0.2612	0.3942 0.2518	0.3649 0.2117	0.2958	0.2582	Ave		0.2911				23.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21537-1 Analy Batch No.: 69511

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.5970	0.7615 0.5874	0.7191 0.5196	0.5897	0.5594	Ave		0.6191				14.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.3462	0.3935 0.3526	0.3730 0.3248	0.3402	0.3244	Ave		0.3507				7.2		30.0			
1,1,2-Trichloroethane	+++++ 0.2627	0.3410 0.2609	0.3149 0.2324	0.2612	0.2455	Ave		0.2741				14.0		30.0			
Tetrachloroethene	0.7247 0.5842	0.7375 0.5564	0.6887 0.4519	0.5833	0.5594	Ave		0.6108				16.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2938	+++++ 0.2917	0.3696 0.2590	0.3014	0.2767	Ave		0.2987				13.0		30.0			
Dibromochloromethane	+++++ 0.6735	0.7625 0.6601	0.7350 0.5663	0.6524	0.6277	Ave		0.6682				9.8		30.0			
1,2-Dibromoethane	+++++ 0.5787	0.6818 0.5704	0.6501 0.4959	0.5602	0.5401	Ave		0.5825				11.0		30.0			
Chlorobenzene	+++++ 0.8982	1.1090 0.8842	1.0589 0.7705	0.8777	0.8385	Ave		0.9196				13.0		30.0			
n-Nonane	+++++ 0.3486	0.5649 0.3289	0.5273 0.2622	0.4026	0.3510	Ave		0.3979				28.0		30.0			
Ethylbenzene	+++++ 1.1589	1.6628 1.0903	1.5460 0.8425	1.2646	1.1447	Ave		1.2443				22.0		30.0			
m,p-Xylene	+++++ 0.5184	0.7038 0.4856	0.6724 0.3785	0.5592	0.5136	Ave		0.5474				20.0		30.0			
Xylene, o-	+++++ 0.5564	0.6892 0.5317	0.6641 0.4362	0.5615	0.5306	Ave		0.5671				15.0		30.0			
Styrene	+++++ 0.8692	0.9959 0.8315	0.9712 0.6853	0.8775	0.8314	Ave		0.8660				12.0		30.0			
Bromoform	+++++ 0.6692	0.7623 0.6207	0.7321 0.4621	0.6894	0.6561	Ave		0.6560				15.0		30.0			
Cumene	+++++ 1.5777	1.9416 1.5216	1.8811 1.2487	1.5915	1.5051	Ave		1.6096				15.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6810	0.9050 0.6626	0.8540 0.5389	0.7067	0.6560	Ave		0.7149				17.0		30.0			
n-Propylbenzene	+++++ 1.7154	2.2503 1.6359	2.1406 1.2486	1.7994	1.6710	Ave		1.7802				19.0		30.0			
1,2,3-Trichloropropane	+++++ 0.4550	+++++ 0.4346	0.6354 0.3300	0.5042	0.4511	Ave		0.4684				21.0		30.0			
n-Decane	+++++ 0.4603	+++++ 0.4181	0.6818 0.3259	0.5380	0.4668	Ave		0.4818				25.0		30.0			
4-Ethyltoluene	+++++ 1.5866	2.0056 1.5185	1.8864 1.1917	1.6161	1.5173	Ave		1.6175				16.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21537-1 Analy Batch No.: 69511

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.1711	1.5843 1.1243	1.4684 0.8735	1.2239	1.1356	Ave		1.2259				19.0		30.0			
1,3,5-Trimethylbenzene	+++++ 1.2780	1.8405 1.2058	1.5800 0.9213	1.3418	1.2470	Ave		1.3449				22.0		30.0			
Alpha Methyl Styrene	+++++ 0.7427	0.7643 0.6795	0.7608 0.5905	0.7410	0.7166	Ave		0.7136				8.6		30.0			
tert-Butylbenzene	+++++ 1.3383	1.6500 1.2797	1.6121 1.0206	1.3623	1.2752	Ave		1.3626				16.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.3474	1.8414 1.2725	1.5907 1.0374	1.3632	1.2794	Ave		1.3903				18.0		30.0			
sec-Butylbenzene	+++++ 1.9256	2.4847 1.7896	2.4436 1.4307	1.9983	1.8528	Ave		1.9893				19.0		30.0			
4-Isopropyltoluene	+++++ 1.7011	2.1051 1.5215	2.0199 1.2747	1.7276	1.6212	Ave		1.7102				17.0		30.0			
1,3-Dichlorobenzene	+++++ 1.0335	1.2027 0.9692	1.2192 0.7673	1.0283	0.9819	Ave		1.0289				15.0		30.0			
1,4-Dichlorobenzene	+++++ 1.0392	1.2010 0.9620	1.1836 0.7732	1.0284	0.9835	Ave		1.0244				14.0		30.0			
Benzyl chloride	+++++ 1.1308	1.1119 1.1332	1.1776 1.0055	1.1545	1.1243	Ave		1.1197				4.9		30.0			
n-Undecane	+++++ 0.5446	+++++ 0.5062	+++++ 0.4288	0.6090	0.5128	Ave		0.5203				13.0		30.0			
n-Butylbenzene	+++++ 1.3839	1.6578 1.2166	1.6667 1.0709	1.4202	1.3172	Ave		1.3905				16.0		30.0			
1,2-Dichlorobenzene	+++++ 0.9948	1.1501 0.9058	1.1433 0.7600	0.9847	0.9365	Ave		0.9822				14.0		30.0			
n-Dodecane	+++++ 0.5175	+++++ 0.4807	+++++ 0.3797	0.4243	0.4502	Ave		0.4505				12.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7506	+++++ 0.7623	0.6249 0.6384	0.6713	0.6625	Ave		0.6850				8.5		30.0			
Hexachlorobutadiene	+++++ 0.5154	0.7227 0.4881	0.7125 0.3436	0.5561	0.5114	Ave		0.5499				24.0		30.0			
Naphthalene	+++++ 1.8127	+++++ 1.7883	1.3094 1.6270	1.6060	1.5881	Ave		1.6219				11.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.7150	0.3477 0.7206	0.5376 0.6158	0.5638	0.6165	Ave		0.5882				22.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21537-1 Analy Batch No.: 69511

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-69511/3	6557_003.D
Level 2	IC 200-69511/4	6557_004.D
Level 3	IC 200-69511/5	6557_005.D
Level 4	IC 200-69511/6	6557_006.D
Level 5	ICIS 200-69511/7	6557_007.D
Level 6	IC 200-69511/8	6557_008.D
Level 7	IC 200-69511/9	6557_009.D
Level 8	IC 200-69511/10	6557_010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 68669	+++++ 255405	8571 494024	57846	111743	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 1465088	+++++ 1924684	58127 3540616	481596	920185	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Freon 22	BCM	Ave	+++++ 549505	+++++ 744372	20609 1432858	170467	334727	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1352587	22832 1780420	52621 3286009	435762	837587	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chloromethane	BCM	Ave	+++++ 270601	+++++ 370938	10528 728978	83492	163438	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
n-Butane	BCM	Ave	+++++ 452265	+++++ 609510	18121 1184752	138783	270060	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Vinyl chloride	BCM	Ave	1331 440686	6759 607381	16249 1184971	139181	273563	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3-Butadiene	BCM	Ave	+++++ 304353	4495 423287	10668 825788	96202	191019	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromomethane	BCM	Ave	+++++ 796315	14266 1154441	33647 2257298	279835	543316	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chloroethane	BCM	Ave	+++++ 314310	+++++ 473613	13933 929992	114968	224337	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Isopentane	BCM	Ave	+++++ 420737	9658 625662	20288 1207411	155767	298374	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 908458	15813 1348796	38039 2637985	323401	641650	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2309499	39736 3318292	95353 6401573	798212	1564955	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Pentane	BCM	Ave	+++++ 865938	+++++ 1182737	37924 2209554	295295	559900	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Ethanol	BCM	Ave	+++++ 299678	+++++ 563864	79522 1263924	128955	241834	+++++ 20.0	+++++ 40.0	5.01 100.0	7.50	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21537-1 Analy Batch No.: 69511

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 536655	7929 713148	19022 1358409	166445	327105	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acrolein	BCM	Ave	+++++ 226399	+++++ 307411	+++++ 530924	80218	153606	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Freon TF	BCM	Ave	+++++ 2232253	35311 2952854	78917 5463001	672307	1343543	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 1115004	16258 1490003	37925 2857246	327709	667016	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acetone	BCM	Ave	+++++ 856670	+++++ 1313841	+++++ 2074276	262630	497524	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Isopropyl alcohol	BCM	Ave	+++++ 819186	+++++ 1026923	+++++ 1765711	249273	471335	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Carbon disulfide	BCM	Ave	+++++ 2761642	+++++ 3281323	91269 6138624	767517	1506201	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
3-Chloropropene	BCM	Ave	+++++ 687372	12058 911683	26500 1705527	227884	429698	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acetonitrile	BCM	Ave	+++++ 385574	+++++ 509211	+++++ 933071	122363	230402	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Methylene Chloride	BCM	Ave	+++++ 644656	+++++ 847304	30143 1586209	214839	401417	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1504559	+++++ 2035444	+++++ 3585393	441312	868611	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 2748228	39086 3699655	91627 7127075	812400	1648054	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1078469	17043 1429875	39584 2703787	339144	658313	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acrylonitrile	BCM	Ave	+++++ 495022	+++++ 667510	17800 1272502	155452	298927	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
n-Hexane	BCM	Ave	+++++ 1115992	18271 1461195	41169 2711842	351686	680918	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1-Dichloroethane	BCM	Ave	4927 1418035	23185 1868454	53584 3464607	452748	873545	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Vinyl acetate	BCM	Ave	+++++ 1464152	+++++ 1906704	+++++ 3447819	475027	904975	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1221577	19206 1583080	43454 2802676	376774	749642	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Ethyl acetate	BCM	Ave	+++++ 96943	+++++ 127711	+++++ 226393	29154	58667	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 467560	+++++ 617414	26204 1065698	146884	287042	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Tetrahydrofuran	DFB	Ave	+++++ 580459	+++++ 759097	+++++ 1410138	184951	357806	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21537-1 Analy Batch No.: 69511

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2086637	32622 2786507	74646 5309881	638145	1265393	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Cyclohexane	DFB	Ave	+++++ 1469351	22263 1923315	52451 3438058	453345	902914	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2299185	34702 3032003	79404 5601171	694187	1387581	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Carbon tetrachloride	DFB	Ave	7688 2544730	36346 3397109	84690 6507101	741752	1516732	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3674073	57197 4780267	134899 8692904	1170360	2256830	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Benzene	DFB	Ave	+++++ 3184914	51207 4236294	117698 7941325	976766	1932969	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1086275	16799 1464050	39188 2860834	332018	656142	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Heptane	DFB	Ave	+++++ 1000301	18279 1294563	41308 2319165	332828	622895	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Butanol	DFB	Ave	+++++ 467587	+++++ 565060	+++++ 1057428	123822	248283	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Trichloroethene	DFB	Ave	5064 1568848	24102 2077327	54752 3845972	474548	950435	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 913733	15200 1194267	35366 2154445	291733	566681	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl methacrylate	DFB	Ave	+++++ 1033432	+++++ 1357006	33960 2492241	315002	630238	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
1,4-Dioxane	DFB	Ave	+++++ 608623	+++++ 777877	+++++ 1377573	169229	342447	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Dibromomethane	DFB	Ave	+++++ 1745664	25631 2250293	59019 3855401	524669	1066343	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromodichloromethane	DFB	Ave	+++++ 2349823	34739 3129985	79649 5874293	712958	1420398	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1740534	24251 2329911	57084 4438475	516162	1040993	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1354524	+++++ 1773942	47898 3256051	429924	834973	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
n-Octane	DFB	Ave	+++++ 1357409	24552 1740122	56176 3029042	464584	860496	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Toluene	CBZ	Ave	+++++ 2674219	40930 3499416	95787 6361095	816354	1633881	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1798875	24509 2436771	57421 4648506	534250	1080930	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1176628	18328 1554181	41944 2845144	361660	717177	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21537-1 Analy Batch No.: 69511

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	7833 2616855	39642 3314444	91737 5532199	807492	1633959	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1316006	+++++ 1737767	49225 3170989	417306	808379	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Dibromochloromethane	CBZ	Ave	+++++ 3017034	40982 3932354	97899 6932737	903205	1833432	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2592310	36645 3398396	86600 6070004	775530	1577770	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chlorobenzene	CBZ	Ave	+++++ 4023470	59607 5267778	141044 9431276	1215122	2449145	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Nonane	CBZ	Ave	+++++ 1561478	30365 1959601	70239 3209594	557391	1025407	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Ethylbenzene	CBZ	Ave	+++++ 5191461	89374 6495489	205924 10312987	1750749	3343755	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
m,p-Xylene	CBZ	Ave	+++++ 4644341	75656 5786128	179129 9266378	1548469	3000428	+++++ 30.0	0.401 40.0	1.00 80.0	10.00	20.0
Xylene, o-	CBZ	Ave	+++++ 2492466	37045 3167400	88465 5339938	777411	1549988	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Styrene	CBZ	Ave	+++++ 3893795	53527 4953505	129371 8389157	1214818	2428442	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromoform	CBZ	Ave	+++++ 2997727	40971 3697642	97515 5656651	954393	1916394	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Cumene	CBZ	Ave	+++++ 7067549	104358 9064997	250560 15285968	2203399	4396476	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3050605	48641 3947404	113755 6596922	978332	1916061	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Propylbenzene	CBZ	Ave	+++++ 7684271	120949 9745592	285137 15283787	2491172	4881105	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2038241	+++++ 2588942	84639 4039768	698070	1317531	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
n-Decane	CBZ	Ave	+++++ 2062173	+++++ 2490757	90811 3988912	744811	1363532	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 7107273	107800 9046481	251275 14587801	2237468	4432110	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 5246023	85154 6698226	195591 10693128	1694435	3317018	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 5725056	98925 7183369	210455 11277858	1857598	3642511	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 3326924	41079 4047851	101344 7228062	1025925	2093076	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 5995016	88687 7624038	214734 12493741	1886002	3724879	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21537-1 Analy Batch No.: 69511

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6036071	98972 7580704	211879 12699315	1887274	3737027	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 8626253	133548 10661494	325491 17513133	2766537	5412056	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 7620158	113149 9064508	269051 15603740	2391787	4735407	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 4629709	64644 5773886	162406 9392266	1423576	2868077	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 4655273	64551 5731284	157663 9464364	1423820	2872688	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Benzyl chloride	CBZ	Ave	+++++ 5065652	59765 6751126	156864 12308288	1598301	3284040	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Undecane	CBZ	Ave	+++++ 2439571	+++++ 3015477	+++++ 5248772	843164	1497753	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6199465	89107 7247969	222001 13108720	1966195	3847571	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 4456201	61816 5396501	152286 9303927	1363193	2735633	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Dodecane	CBZ	Ave	+++++ 2318147	+++++ 2863895	+++++ 4647868	587452	1315124	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 3362637	+++++ 4541232	83237 7814515	929365	1935193	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 2308722	38842 2907662	94901 4206355	769824	1493683	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Naphthalene	CBZ	Ave	+++++ 8120457	+++++ 10653795	174415 19916995	2223399	4638967	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 3203028	18691 4293018	71612 7538008	780543	1800836	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21554-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-69583/3	6584_03.D
Level 2	IC 200-69583/4	6584_04.D
Level 3	IC 200-69583/17	6584_17.D
Level 4	IC 200-69583/6	6584_06.D
Level 5	ICIS 200-69583/7	6584_07.D
Level 6	IC 200-69583/8	6584_08.D
Level 7	IC 200-69583/9	6584_09.D
Level 8	IC 200-69583/10	6584_10.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.3196	+++++ 0.3194	0.5199 0.2866	0.3351	0.3036	Ave		0.3474				25.0		30.0			
Dichlorodifluoromethane	+++++ 2.4800	+++++ 2.5571	3.0704 2.2713	2.6666	2.4118	Ave		2.5762				11.0		30.0			
Freon 22	+++++ 0.8200	+++++ 0.8420	1.0817 0.7507	0.9056	0.7955	Ave		0.8659				14.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.0553	3.0069 2.1144	2.5463 1.8719	2.1938	1.9755	Ave		2.2520				18.0		30.0			
Chloromethane	+++++ 0.3997	+++++ 0.4105	0.5586 0.3719	0.4319	0.3832	Ave		0.4260				16.0		30.0			
n-Butane	+++++ 0.6596	+++++ 0.6604	0.8617 0.5967	0.6884	0.6159	Ave		0.6804				14.0		30.0			
Vinyl chloride	0.8371 0.5617	0.8399 0.5788	0.7072 0.5303	0.5958	0.5282	Ave		0.6474				20.0		30.0			
1,3-Butadiene	+++++ 0.3853	0.5403 0.4032	0.4714 0.3691	0.4099	0.3757	Ave		0.4221				15.0		30.0			
Bromomethane	+++++ 0.7586	1.1699 0.7812	0.9599 0.7225	0.7898	0.7169	Ave		0.8427				20.0		30.0			
Chloroethane	+++++ 0.2640	+++++ 0.2706	0.3494 0.2467	0.2822	0.2519	Ave		0.2775				14.0		30.0			
Isopentane	+++++ 0.4139	0.7197 0.4171	0.5457 0.3848	0.4477	0.3948	Ave		0.4748				25.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.9620	1.3025 1.0025	1.1507 0.9311	0.9775	0.9047	Ave		1.0330				14.0		30.0			
Trichlorofluoromethane	+++++ 2.9242	4.2280 3.0424	3.5416 2.7858	3.0509	2.7691	Ave		3.1917				16.0		30.0			
n-Pentane	+++++ 0.7040	+++++ 0.7109	0.8790 0.6452	0.7312	0.6564	Ave		0.7211				12.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21554-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.1375	+++++ 0.1393	0.1645 0.1287	0.2036	0.1762	Ave		0.1583				18.0		30.0			
Ethyl ether	+++++ 0.3625	0.4839 0.3745	0.4394 0.3454	0.3805	0.3460	Ave		0.3903				13.0		30.0			
Acrolein	+++++ 0.1538	+++++ 0.1618	0.2662 0.1439	0.1723	0.1581	Ave		0.1760				26.0		30.0			
Freon TF	+++++ 1.7666	2.5125 1.8407	2.1665 1.6855	1.8304	1.6812	Ave		1.9262				16.0		30.0			
1,1-Dichloroethene	+++++ 0.8203	1.0878 0.8564	0.9775 0.7864	0.8424	0.7683	Ave		0.8770				13.0		30.0			
Acetone	+++++ 0.7307	+++++ 0.8562	+++++ 0.6387	0.7799	0.7071	Ave		0.7425				11.0		30.0			
Carbon disulfide	+++++ 1.9783	+++++ 1.8419	2.0254 1.6969	1.7981	1.6500	Ave		1.8317				8.1		30.0			
Isopropyl alcohol	+++++ 0.5444	+++++ 0.5849	+++++ 0.4894	0.5938	0.5126	Ave		0.5450				8.3		30.0			
3-Chloropropene	+++++ 0.5390	0.7361 0.5649	0.6297 0.5125	0.5659	0.5166	Ave		0.5807				14.0		30.0			
Acetonitrile	+++++ 0.2790	+++++ 0.2875	+++++ 0.2564	0.2578	0.2500	Ave		0.2661				6.1		30.0			
Methylene Chloride	+++++ 0.5081	+++++ 0.5243	0.6930 0.4703	0.5443	0.4782	Ave		0.5364				15.0		30.0			
tert-Butyl alcohol	+++++ 1.0129	+++++ 1.1519	+++++ 0.9531	1.0906	0.9553	Ave		1.0327				8.4		30.0			
Methyl tert-butyl ether	+++++ 2.1128	2.7396 2.2060	2.4146 2.0120	2.1558	1.9807	Ave		2.2316				12.0		30.0			
trans-1,2-Dichloroethene	+++++ 0.8435	1.1315 0.8679	0.9617 0.7756	0.8801	0.7941	Ave		0.8935				14.0		30.0			
Acrylonitrile	+++++ 0.3380	+++++ 0.3525	0.3646 0.3274	0.3295	0.3118	Ave		0.3373				5.6		30.0			
n-Hexane	+++++ 0.8039	1.0992 0.8148	0.9558 0.7415	0.8078	0.7377	Ave		0.8515				15.0		30.0			
1,1-Dichloroethane	1.6056 1.1315	1.6001 1.1883	1.3346 1.0835	1.1752	1.0842	Ave		1.2754				17.0		30.0			
Vinyl acetate	+++++ 1.2834	+++++ 1.3398	+++++ 1.2349	1.2842	1.1867	Ave		1.2658				4.6		30.0			
cis-1,2-Dichloroethene	+++++ 1.0491	1.4559 1.1082	1.2405 1.0337	1.0461	0.9802	Ave		1.1305				15.0		30.0			
Methyl Ethyl Ketone	+++++ 0.3754	+++++ 0.4020	0.6735 0.3624	0.3706	0.3487	Ave		0.4221				29.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21554-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0779	+++++ 0.0825	+++++ 0.0766	0.0751	0.0710	Ave		0.0766				5.5		30.0			
Tetrahydrofuran	+++++ 0.1002	+++++ 0.1051	+++++ 0.0950	0.1070	0.0959	Ave		0.1007				5.3		30.0			
Chloroform	+++++ 2.1921	3.0283 2.2930	2.5359 2.0884	2.2342	2.0569	Ave		2.3470				14.0		30.0			
Cyclohexane	+++++ 0.2403	0.3391 0.2525	0.2811 0.2273	0.2460	0.2278	Ave		0.2591				15.0		30.0			
1,1,1-Trichloroethane	+++++ 0.5194	0.7058 0.5479	0.5856 0.4934	0.5392	0.4992	Ave		0.5558				13.0		30.0			
Carbon tetrachloride	0.8018 0.6311	0.7997 0.6600	0.6832 0.6034	0.6419	0.5989	Ave		0.6775				12.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.6654	0.8970 0.6858	0.7578 0.6129	0.6910	0.6340	Ave		0.7063				14.0		30.0			
Benzene	+++++ 0.5460	0.7714 0.5768	0.6578 0.5243	0.5611	0.5168	Ave		0.5935				15.0		30.0			
1,2-Dichloroethane	+++++ 0.2548	0.3616 0.2664	0.2856 0.2368	0.2751	0.2482	Ave		0.2755				15.0		30.0			
n-Heptane	+++++ 0.2133	0.3080 0.2195	0.2517 0.1932	0.2246	0.2059	Ave		0.2309				17.0		30.0			
n-Butanol	+++++ 0.0734	+++++ 0.0781	+++++ 0.0657	0.0796	0.0680	Ave		0.0730				8.3		30.0			
Trichloroethene	0.4498 0.3299	0.4371 0.3498	0.3874 0.3191	0.3314	0.3109	Ave		0.3644				15.0		30.0			
1,2-Dichloropropane	+++++ 0.1906	0.2702 0.2029	0.2207 0.1831	0.2010	0.1823	Ave		0.2073				15.0		30.0			
Methyl methacrylate	+++++ 0.2154	+++++ 0.2287	0.2216 0.2091	0.2125	0.2012	Ave		0.2148				4.5		30.0			
1,4-Dioxane	+++++ 0.1082	+++++ 0.1140	+++++ 0.0921	0.1092	0.0964	Ave		0.1040				8.9		30.0			
Dibromomethane	+++++ 0.4621	0.5462 0.5008	0.5284 0.4765	0.4191	0.4143	Ave		0.4782				11.0		30.0			
Bromodichloromethane	+++++ 0.5635	0.7145 0.5943	0.6183 0.5386	0.5695	0.5310	Ave		0.5900				11.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.3636	0.4344 0.3870	0.3986 0.3588	0.3639	0.3417	Ave		0.3783				8.2		30.0			
methyl isobutyl ketone	+++++ 0.3293	+++++ 0.3464	0.3520 0.3080	0.3426	0.3134	Ave		0.3319				5.5		30.0			
Toluene	+++++ 0.5401	0.7081 0.5718	0.6265 0.5133	0.5271	0.5019	Ave		0.5698				13.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21554-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.3485	0.5318 0.3532	0.4010 0.2985	0.3727	0.3386	Ave		0.3778				20.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.4074	0.5310 0.4347	0.5211 0.3969	0.4034	0.3856	Ave		0.4400				14.0		30.0			
1,1,2-Trichloroethane	+++++ 0.2386	0.3065 0.2515	0.2756 0.2246	0.2406	0.2231	Ave		0.2515				12.0		30.0			
Tetrachloroethene	0.8566 0.6979	0.8218 0.7487	0.7929 0.6999	0.6317	0.6244	Ave		0.7342				12.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3218	+++++ 0.3350	0.3428 0.2933	0.3372	0.3072	Ave		0.3229				6.0		30.0			
Dibromochloromethane	+++++ 0.7641	0.8693 0.8206	0.8009 0.7531	0.7309	0.7043	Ave		0.7776				7.3		30.0			
1,2-Dibromoethane	+++++ 0.5699	0.6858 0.6082	0.6337 0.5575	0.5468	0.5266	Ave		0.5898				9.5		30.0			
Chlorobenzene	+++++ 0.8562	1.1188 0.9104	1.0232 0.8452	0.8257	0.7873	Ave		0.9095				13.0		30.0			
Ethylbenzene	+++++ 1.2698	1.6720 1.3446	1.4720 1.2248	1.2486	1.1807	Ave		1.3446				13.0		30.0			
n-Nonane	+++++ 0.4006	0.5706 0.4074	0.4779 0.3484	0.4278	0.3819	Ave		0.4307				17.0		30.0			
m,p-Xylene	+++++ 0.5571	0.7010 0.5853	0.6413 0.5125	0.5460	0.5179	Ave		0.5802				12.0		30.0			
Xylene, o-	+++++ 0.5455	0.6834 0.5770	0.6137 0.5231	0.5249	0.5019	Ave		0.5671				11.0		30.0			
Styrene	+++++ 0.8656	0.9541 0.9204	0.9136 0.8555	0.8263	0.8014	Ave		0.8767				6.3		30.0			
Bromoform	+++++ 0.9241	0.8994 0.9992	0.8780 0.9155	0.8414	0.8278	Ave		0.8979				6.4		30.0			
Cumene	+++++ 1.6499	1.9796 1.7556	1.8282 1.4434	1.5979	1.5225	Ave		1.6824				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6366	0.8702 0.6690	0.7530 0.5785	0.6621	0.6048	Ave		0.6820				15.0		30.0			
n-Propylbenzene	+++++ 1.7908	2.3733 1.8744	2.0490 1.3850	1.7812	1.6659	Ave		1.8457				17.0		30.0			
1,2,3-Trichloropropane	+++++ 0.4947	+++++ 0.5134	0.6030 0.4371	0.5238	0.4745	Ave		0.5078				11.0		30.0			
n-Decane	+++++ 0.5014	+++++ 0.4980	0.6337 0.3936	0.5623	0.4929	Ave		0.5136				16.0		30.0			
4-Ethyltoluene	+++++ 1.6369	2.1566 1.6893	1.9088 1.2571	1.6564	1.5395	Ave		1.6921				17.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-21554-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.2472	1.7057 1.2872	1.4812 1.0531	1.2999	1.1899	Ave		1.3234				16.0		30.0			
1,3,5-Trimethylbenzene	+++++ 1.4390	1.9397 1.5255	1.5897 1.2536	1.4136	1.3255	Ave		1.4981				15.0		30.0			
Alpha Methyl Styrene	+++++ 0.7626	0.7974 0.7588	0.7821 0.7610	0.7257	0.7018	Ave		0.7556				4.3		30.0			
tert-Butylbenzene	+++++ 1.4924	1.8359 1.5835	1.6778 1.2837	1.4517	1.3741	Ave		1.5284				12.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.4637	2.0433 1.5524	1.6062 1.2229	1.4348	1.3561	Ave		1.5256				17.0		30.0			
sec-Butylbenzene	+++++ 2.0632	2.5547 2.1789	2.3154 1.4251	2.0262	1.9086	Ave		2.0674				17.0		30.0			
4-Isopropyltoluene	+++++ 1.9534	2.4113 2.0603	2.1698 1.3537	1.8760	1.7911	Ave		1.9451				17.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2534	1.4162 1.3444	1.3973 1.1335	1.1669	1.1261	Ave		1.2626				9.9		30.0			
1,4-Dichlorobenzene	+++++ 1.2542	1.4128 1.3584	1.4064 1.1452	1.1687	1.1304	Ave		1.2680				9.8		30.0			
Benzyl chloride	+++++ 1.1916	1.2858 1.3735	1.2706 1.1528	1.2727	1.2001	Ave		1.2496				5.9		30.0			
n-Butylbenzene	+++++ 1.3908	1.8725 1.4049	1.6769 1.0929	1.4753	1.3414	Ave		1.4650				17.0		30.0			
n-Undecane	+++++ 0.5277	+++++ 0.5058	+++++ 0.3515	0.6195	0.5279	Ave		0.5065				19.0		30.0			
1,2-Dichlorobenzene	+++++ 1.1834	1.3600 1.2792	1.2972 1.1327	1.1061	1.0608	Ave		1.2028				9.2		30.0			
n-Dodecane	+++++ 0.4939	+++++ 0.4800	+++++ 0.1856	0.4763	0.4344	Ave		0.4140				31.0	*	30.0			
1,2,4-Trichlorobenzene	+++++ 1.0788	+++++ 1.1347	1.0891 0.6344	0.8954	0.9152	Ave		0.9580				19.0		30.0			
Hexachlorobutadiene	+++++ 0.9028	1.1167 0.9583	1.0331 0.4810	0.8767	0.8299	Ave		0.8855				23.0		30.0			
Naphthalene	+++++ 2.1568	+++++ 2.1180	1.9061 1.2421	1.7343	1.7510	Ave		1.8180				18.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.9830	0.7869 1.0166	0.9715 0.4350	0.7937	0.8142	Ave		0.8287				24.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21554-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-69583/3	6584_03.D
Level 2	IC 200-69583/4	6584_04.D
Level 3	IC 200-69583/17	6584_17.D
Level 4	IC 200-69583/6	6584_06.D
Level 5	ICIS 200-69583/7	6584_07.D
Level 6	IC 200-69583/8	6584_08.D
Level 7	IC 200-69583/9	6584_09.D
Level 8	IC 200-69583/10	6584_10.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 298868	+++++ 408082	16016 809124	90335	181800	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2318990	+++++ 3267185	94592 6412714	718864	1444396	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Freon 22	BCM	Ave	+++++ 766711	+++++ 1075776	33325 2119536	244137	476447	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1921803	30966 2701591	78444 5285181	591393	1183101	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chloromethane	BCM	Ave	+++++ 373710	+++++ 524548	17209 1050091	116419	229477	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
n-Butane	BCM	Ave	+++++ 616806	+++++ 843803	26546 1684776	185566	368841	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Vinyl chloride	BCM	Ave	1767 525225	8649 739494	21787 1497291	160603	316364	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3-Butadiene	BCM	Ave	+++++ 360241	5564 515134	14522 1042017	110497	225019	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromomethane	BCM	Ave	+++++ 709332	12048 998133	29573 2040013	212908	429354	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chloroethane	BCM	Ave	+++++ 246857	+++++ 345796	10765 696405	76075	150856	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Isopentane	BCM	Ave	+++++ 387033	7412 532924	16813 1086291	120683	236450	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 899568	13413 1280905	35451 2628769	263513	541836	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2734267	43541 3887278	109106 7865204	822444	1658401	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Pentane	BCM	Ave	+++++ 658272	+++++ 908364	27079 1821586	197113	393101	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Ethanol	BCM	Ave	+++++ 171760	+++++ 356128	50748 908250	82364	158331	+++++ 20.0	+++++ 40.0	5.01 100.0	7.50	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21554-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 338969	4983 478561	13536 975060	102562	207229	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acrolein	BCM	Ave	+++++ 143767	+++++ 206776	8200 406405	46452	94670	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Freon TF	BCM	Ave	+++++ 1651853	25874 2351895	66744 4758714	493432	1006861	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 767018	11202 1094257	30114 2220318	227098	460152	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acetone	BCM	Ave	+++++ 683269	+++++ 1093966	+++++ 1803417	210248	423482	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Carbon disulfide	BCM	Ave	+++++ 1849794	+++++ 2353435	62396 4790875	484724	988159	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Isopropyl alcohol	BCM	Ave	+++++ 509071	+++++ 747347	+++++ 1381834	160073	306988	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
3-Chloropropene	BCM	Ave	+++++ 503999	7581 721771	19400 1447049	152541	309412	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acetonitrile	BCM	Ave	+++++ 260894	+++++ 367368	+++++ 723819	69510	149718	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Methylene Chloride	BCM	Ave	+++++ 475096	+++++ 669926	21351 1327962	146744	286418	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 947102	+++++ 1471769	+++++ 2690824	294004	572145	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1975578	28213 2818621	74387 5680600	581168	1186227	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 788753	11652 1108915	29628 2189873	237263	475571	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Acrylonitrile	BCM	Ave	+++++ 316036	+++++ 450337	11233 924437	88837	186728	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
n-Hexane	BCM	Ave	+++++ 751733	11320 1041087	29445 2093609	217778	441793	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1-Dichloroethane	BCM	Ave	3389 1057988	16478 1518338	41116 3059145	316815	649312	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Vinyl acetate	BCM	Ave	+++++ 1200019	+++++ 1711893	+++++ 3486674	346192	710683	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 980984	14993 1416015	38215 2918433	281994	587020	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 350986	+++++ 513694	20748 1023216	99907	208818	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Ethyl acetate	BCM	Ave	+++++ 72861	+++++ 105391	+++++ 216153	20246	42532	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Tetrahydrofuran	DFB	Ave	+++++ 513368	+++++ 734029	+++++ 1485013	153459	308296	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21554-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2049741	31186 2929800	78125 5896383	602303	1231884	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Cyclohexane	DFB	Ave	+++++ 1231641	18485 1762668	48024 3552587	352757	732126	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2662058	38477 3825219	100051 7710854	773006	1604820	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Carbon tetrachloride	DFB	Ave	9057 3234907	43596 4607835	116734 9431564	920235	1925143	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3410430	48904 4788117	129481 9579174	990661	2038101	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Benzene	DFB	Ave	+++++ 2798383	42054 4026626	112391 8195140	804505	1661370	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1306248	19712 1859756	48796 3701240	394381	797724	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Heptane	DFB	Ave	+++++ 1093472	16789 1532398	43011 3020158	321999	661942	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Butanol	DFB	Ave	+++++ 376202	+++++ 545253	+++++ 1027530	114152	218697	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Trichloroethene	DFB	Ave	5081 1690800	23830 2442289	66198 4987397	475168	999506	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 977106	14730 1416549	37712 2861195	288170	586002	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl methacrylate	DFB	Ave	+++++ 1103836	+++++ 1596837	37867 3268669	304656	646744	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
1,4-Dioxane	DFB	Ave	+++++ 554620	+++++ 796044	+++++ 1438986	156549	309787	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
Dibromomethane	DFB	Ave	+++++ 2368531	29779 3496533	90280 7447254	600831	1331677	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromodichloromethane	DFB	Ave	+++++ 2888098	38954 4148989	105647 8418584	816562	1706882	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1863705	23682 2702065	68103 5607337	521704	1098440	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1687707	+++++ 2418457	60143 4813145	491217	1007405	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Toluene	CBZ	Ave	+++++ 2827714	38081 4099784	108049 8323022	764912	1646550	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Octane	DFB	Ave	+++++ 1786298	28994 2465548	68522 4665401	534374	1088585	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2088223	28948 3034935	89036 6203417	578372	1239483	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1249163	16485 1803469	47530 3642125	349164	732074	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21554-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	9482 3654072	44193 5368390	136752 11348332	916685	2048531	0.0401 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1685045	+++++ 2402133	59117 4755940	489293	1008004	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Dibromochloromethane	CBZ	Ave	+++++ 4001001	46748 5884399	138118 12210435	1060517	2310784	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2983971	36880 4361203	109295 9038760	793470	1727868	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Chlorobenzene	CBZ	Ave	+++++ 4482844	60168 6527834	176457 13702992	1198049	2583151	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Ethylbenzene	CBZ	Ave	+++++ 6648515	89919 9641279	253859 19858506	1811692	3873875	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Nonane	CBZ	Ave	+++++ 2097528	30686 2921141	82426 5648557	620747	1252845	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
m,p-Xylene	CBZ	Ave	+++++ 5833710	75394 8393442	221218 16617718	1584540	3398649	+++++ 30.0	0.401 40.0	1.00 80.0	10.00	20.0
Xylene, o-	CBZ	Ave	+++++ 2856396	36754 4137056	105847 8482008	761697	1646637	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Styrene	CBZ	Ave	+++++ 4532103	51308 6599709	157564 13870189	1198984	2629466	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Bromoform	CBZ	Ave	+++++ 4838505	48367 7164917	151426 14843248	1220937	2715969	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Cumene	CBZ	Ave	+++++ 8638636	106461 12588419	315300 23402938	2318545	4995109	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3333370	46798 4796715	129867 9380368	960760	1984252	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Propylbenzene	CBZ	Ave	+++++ 9376775	127633 13440119	353372 22456625	2584629	5465656	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2590452	+++++ 3681350	103993 7086669	760035	1556943	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
n-Decane	CBZ	Ave	+++++ 2625161	+++++ 3571110	109292 6381846	815848	1617231	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 8570668	115977 12113148	329202 20381969	2403448	5050904	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6530371	91731 9229458	255453 17074124	1886220	3903850	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 7534716	104311 10938649	274169 20325838	2051127	4349072	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 3992968	42880 5440923	134876 12338930	1052980	2302482	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 7814140	98732 11354634	289364 20813054	2106452	4508300	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-21554-1 Analy Batch No.: 69583

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 7663747	109884 11131626	277006 19827314	2081904	4449383	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 10802817	137389 15624004	399320 23106044	2940059	6262027	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 10228064	129674 14773079	374207 21948463	2722086	5876655	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 6562820	76163 9640118	240985 18378150	1693161	3694730	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 6566876	75976 9740625	242550 18567371	1695765	3708759	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Benzyl chloride	CBZ	Ave	+++++ 6239168	69148 9848355	219132 18690693	1846791	3937421	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Butylbenzene	CBZ	Ave	+++++ 7282002	100697 10073920	289207 17720284	2140730	4400974	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Undecane	CBZ	Ave	+++++ 2763255	+++++ 3626991	+++++ 5698616	898858	1732014	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 6196158	73137 9172151	223715 18364719	1604939	3480544	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
n-Dodecane	CBZ	Ave	+++++ 2586228	+++++ 3441646	+++++ 3009118	691167	1425197	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 5648414	+++++ 8136405	187836 10286355	1299301	3002882	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 4727211	60053 6871598	178170 7798873	1272119	2722961	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00
Naphthalene	CBZ	Ave	+++++ 11293279	+++++ 15186624	328732 20138429	2516517	5744919	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 5146910	42316 7289294	167553 7052922	1151653	2671513	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Lab Sample ID: ICV 200-68619/16 Calibration Date: 02/21/2014 00:15

Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/20/2014 21:54

Lab File ID: 6246_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4525	0.3487		7.71	10.0	-22.9	30.0
Dichlorodifluoromethane	Ave	3.137	2.832		9.02	10.0	-9.7	30.0
Freon 22	Ave	1.181	1.070		9.06	10.0	-9.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.687	2.698		10.0	10.0	0.4	30.0
Chloromethane	Ave	0.5956	0.5277		8.86	10.0	-11.4	30.0
n-Butane	Ave	0.7851	0.7055		8.98	10.0	-10.1	30.0
Vinyl chloride	Ave	0.8160	0.7063		8.65	10.0	-13.4	30.0
1,3-Butadiene	Ave	0.4758	0.4226		8.88	10.0	-11.2	30.0
Bromomethane	Ave	1.162	1.057		9.10	10.0	-9.0	30.0
Chloroethane	Ave	0.3240	0.2863		8.83	10.0	-11.6	30.0
Isopentane	Ave	0.5140	0.4803		9.34	10.0	-6.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.261	1.177		9.33	10.0	-6.7	30.0
Trichlorofluoromethane	Ave	3.583	3.189		8.90	10.0	-11.0	30.0
n-Pentane	Ave	0.7954	0.8123		10.2	10.0	2.1	30.0
Ethanol	Ave	0.1910	0.1880		14.8	15.0	-1.6	30.0
Ethyl ether	Ave	0.4003	0.4104		10.3	10.0	2.5	30.0
Acrolein	Ave	0.1910	0.2116		11.1	10.0	10.8	30.0
Freon TF	Ave	2.249	2.074		9.22	10.0	-7.8	30.0
1,1-Dichloroethene	Ave	0.9520	0.8613		9.05	10.0	-9.5	30.0
Acetone	Ave	0.8789	0.9817		11.2	10.0	11.7	30.0
Carbon disulfide	Ave	2.332	2.458		10.5	10.0	5.4	30.0
Isopropyl alcohol	Ave	0.7092	0.5444		7.67	10.0	-23.2	30.0
3-Chloropropene	Ave	0.6290	0.5558		8.84	10.0	-11.6	30.0
Acetonitrile	Ave	0.3383	0.3195		9.44	10.0	-5.6	30.0
Methylene Chloride	Ave	0.7069	0.6456		9.13	10.0	-8.7	30.0
tert-Butyl alcohol	Ave	1.260	1.031		8.18	10.0	-18.2	30.0
Methyl tert-butyl ether	Ave	2.237	2.112		9.44	10.0	-5.6	30.0
trans-1,2-Dichloroethene	Ave	1.039	1.017		9.79	10.0	-2.1	30.0
Acrylonitrile	Ave	0.3820	0.3784		9.91	10.0	-0.9	30.0
n-Hexane	Ave	0.8392	0.8345		9.94	10.0	-0.6	30.0
1,1-Dichloroethane	Ave	1.522	1.383		9.09	10.0	-9.1	30.0
Vinyl acetate	Ave	1.472	1.369		9.30	10.0	-7.0	30.0
cis-1,2-Dichloroethene	Ave	1.290	1.187		9.20	10.0	-7.9	30.0
Methyl Ethyl Ketone	Ave	0.4361	0.4007		9.19	10.0	-8.1	30.0
Ethyl acetate	Ave	0.0661	0.0690		10.4	10.0	4.4	30.0
Tetrahydrofuran	Ave	0.1189	0.1107		9.31	10.0	-6.9	30.0
Chloroform	Ave	2.859	2.633		9.21	10.0	-7.9	30.0
Cyclohexane	Ave	0.2496	0.2335		9.35	10.0	-6.4	30.0
1,1,1-Trichloroethane	Ave	0.5905	0.5364		9.08	10.0	-9.2	30.0
Carbon tetrachloride	Ave	0.7528	0.6727		8.93	10.0	-10.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Lab Sample ID: ICV 200-68619/16 Calibration Date: 02/21/2014 00:15

Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/20/2014 21:54

Lab File ID: 6246_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.6673	0.6081		9.11	10.0	-8.9	30.0
2,2,4-Trimethylpentane	Ave	0.7963	0.7291		9.16	10.0	-8.4	30.0
1,2-Dichloroethane	Ave	0.3331	0.3019		9.06	10.0	-9.4	30.0
n-Heptane	Ave	0.2959	0.2565		8.67	10.0	-13.3	30.0
n-Butanol	Ave	0.1142	0.0892		7.81	10.0	-21.9	30.0
Trichloroethene	Ave	0.4731	0.4219		8.92	10.0	-10.8	30.0
1,2-Dichloropropane	Ave	0.3124	0.2871		9.19	10.0	-8.1	30.0
Methyl methacrylate	Ave	0.2717	0.2678		9.85	10.0	-1.4	30.0
1,4-Dioxane	Ave	0.1470	0.1201		8.17	10.0	-18.3	30.0
Dibromomethane	Ave	0.5283	0.5125		9.70	10.0	-3.0	30.0
Bromodichloromethane	Ave	0.7799	0.7322		9.39	10.0	-6.1	30.0
cis-1,3-Dichloropropene	Ave	0.5310	0.5080		9.56	10.0	-4.3	30.0
methyl isobutyl ketone	Ave	0.4889	0.4450		9.10	10.0	-9.0	30.0
Toluene	Ave	0.7326	0.6835		9.33	10.0	-6.7	30.0
n-Octane	Ave	0.5119	0.4629		9.04	10.0	-9.6	30.0
trans-1,3-Dichloropropene	Ave	0.5408	0.5257		9.72	10.0	-2.8	30.0
1,1,2-Trichloroethane	Ave	0.3670	0.3407		9.28	10.0	-7.2	30.0
Tetrachloroethene	Ave	0.7873	0.7370		9.36	10.0	-6.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4387	0.4103		9.35	10.0	-6.5	30.0
Dibromochloromethane	Ave	0.9470	0.9071		9.58	10.0	-4.2	30.0
1,2-Dibromoethane	Ave	0.7388	0.7160		9.69	10.0	-3.1	30.0
Chlorobenzene	Ave	1.063	1.009		9.49	10.0	-5.1	30.0
Ethylbenzene	Ave	1.522	1.428		9.38	10.0	-6.1	30.0
n-Nonane	Ave	0.5414	0.4966		9.17	10.0	-8.3	30.0
m,p-Xylene	Ave	0.6221	0.5836		18.8	20.0	-6.2	30.0
Xylene, o-	Ave	0.6494	0.6018		9.27	10.0	-7.3	30.0
Styrene	Ave	0.8646	0.8611		9.96	10.0	-0.4	30.0
Bromoform	Ave	0.8956	0.9031		10.1	10.0	0.8	30.0
Cumene	Ave	1.788	1.662		9.29	10.0	-7.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8834	0.8315		9.41	10.0	-5.9	30.0
1,2,3-Trichloropropane	Ave	0.5852	0.5463		9.33	10.0	-6.6	30.0
n-Propylbenzene	Ave	1.845	1.730		9.37	10.0	-6.3	30.0
2-Chlorotoluene	Ave	1.248	1.144		9.17	10.0	-8.3	30.0
4-Ethyltoluene	Ave	1.502	1.446		9.63	10.0	-3.7	30.0
n-Decane	Ave	0.5512	0.5047		9.16	10.0	-8.4	30.0
1,3,5-Trimethylbenzene	Ave	1.484	1.368		9.21	10.0	-7.9	30.0
Alpha Methyl Styrene	Ave	0.6800	0.6957		10.2	10.0	2.3	30.0
tert-Butylbenzene	Ave	1.507	1.375		9.12	10.0	-8.8	30.0
1,2,4-Trimethylbenzene	Ave	1.437	1.348		9.38	10.0	-6.2	30.0
sec-Butylbenzene	Ave	2.095	1.951		9.31	10.0	-6.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Lab Sample ID: ICV 200-68619/16 Calibration Date: 02/21/2014 00:15

Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/20/2014 21:54

Lab File ID: 6246_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.741	1.653		9.49	10.0	-5.1	30.0
1,3-Dichlorobenzene	Ave	0.8925	0.9059		10.1	10.0	1.5	30.0
1,4-Dichlorobenzene	Ave	0.8666	0.8893		10.3	10.0	2.6	30.0
Benzyl chloride	Ave	0.9186	0.8799		9.58	10.0	-4.2	30.0
n-Butylbenzene	Ave	1.370	1.314		9.59	10.0	-4.1	30.0
n-Undecane	Ave	0.6424	0.6299		9.80	10.0	-1.9	30.0
1,2-Dichlorobenzene	Ave	0.9899	0.9353		9.45	10.0	-5.5	30.0
n-Dodecane	Ave	0.1008	0.1056		10.5	10.0	4.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5281	0.4961		9.39	10.0	-6.1	30.0
Hexachlorobutadiene	Ave	0.4459	0.4985		11.2	10.0	11.8	30.0
Naphthalene	Ave	1.259	1.141		9.06	10.0	-9.4	30.0
1,2,3-Trichlorobenzene	Ave	0.4339	0.4716		10.9	10.0	8.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Lab Sample ID: CCVIS 200-69419/2 Calibration Date: 03/12/2014 09:49

Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/20/2014 21:54

Lab File ID: 6528_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4525	0.4503		9.95	10.0	-0.5	30.0
Dichlorodifluoromethane	Ave	3.137	3.309		10.5	10.0	5.5	30.0
Freon 22	Ave	1.181	1.297		11.0	10.0	9.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.687	2.835		10.5	10.0	5.5	30.0
Chloromethane	Ave	0.5956	0.6492		10.9	10.0	9.0	30.0
n-Butane	Ave	0.7851	0.8589		10.9	10.0	9.4	30.0
Vinyl chloride	Ave	0.8160	0.8363		10.2	10.0	2.5	30.0
1,3-Butadiene	Ave	0.4758	0.5114		10.7	10.0	7.5	30.0
Bromomethane	Ave	1.162	1.205		10.4	10.0	3.7	30.0
Chloroethane	Ave	0.3240	0.3446		10.6	10.0	6.4	30.0
Isopentane	Ave	0.5140	0.5351		10.4	10.0	4.1	30.0
Bromoethene(Vinyl Bromide)	Ave	1.261	1.306		10.4	10.0	3.6	30.0
Trichlorofluoromethane	Ave	3.583	3.574		9.97	10.0	-0.3	30.0
n-Pentane	Ave	0.7954	0.8771		11.0	10.0	10.3	30.0
Ethanol	Ave	0.1910	0.2109		16.6	15.0	10.4	30.0
Ethyl ether	Ave	0.4003	0.4299		10.7	10.0	7.4	30.0
Acrolein	Ave	0.1910	0.2046		10.7	10.0	7.1	30.0
Freon TF	Ave	2.249	2.320		10.3	10.0	3.2	30.0
1,1-Dichloroethene	Ave	0.9520	0.9755		10.2	10.0	2.5	30.0
Acetone	Ave	0.8789	0.9602		10.9	10.0	9.3	30.0
Carbon disulfide	Ave	2.332	2.459		10.5	10.0	5.5	30.0
Isopropyl alcohol	Ave	0.7092	0.8180		11.5	10.0	15.3	30.0
3-Chloropropene	Ave	0.6290	0.6995		11.1	10.0	11.2	30.0
Acetonitrile	Ave	0.3383	0.3869		11.4	10.0	14.3	30.0
Methylene Chloride	Ave	0.7069	0.7570		10.7	10.0	7.1	30.0
tert-Butyl alcohol	Ave	1.260	1.405		11.1	10.0	11.5	30.0
Methyl tert-butyl ether	Ave	2.237	2.354		10.5	10.0	5.2	30.0
trans-1,2-Dichloroethene	Ave	1.039	1.111		10.7	10.0	6.9	30.0
Acrylonitrile	Ave	0.3820	0.4201		11.0	10.0	10.0	30.0
n-Hexane	Ave	0.8392	0.8934		10.6	10.0	6.5	30.0
1,1-Dichloroethane	Ave	1.522	1.560		10.2	10.0	2.5	30.0
Vinyl acetate	Ave	1.472	1.657		11.3	10.0	12.5	30.0
cis-1,2-Dichloroethene	Ave	1.290	1.339		10.4	10.0	3.8	30.0
Methyl Ethyl Ketone	Ave	0.4361	0.4379		10.0	10.0	0.4	30.0
Ethyl acetate	Ave	0.0661	0.0708		10.7	10.0	7.2	30.0
Tetrahydrofuran	Ave	0.1189	0.1379		11.6	10.0	16.0	30.0
Chloroform	Ave	2.859	2.919		10.2	10.0	2.1	30.0
Cyclohexane	Ave	0.2496	0.2643		10.6	10.0	5.9	30.0
1,1,1-Trichloroethane	Ave	0.5905	0.6013		10.2	10.0	1.8	30.0
Carbon tetrachloride	Ave	0.7528	0.7426		9.86	10.0	-1.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Lab Sample ID: CCVIS 200-69419/2 Calibration Date: 03/12/2014 09:49

Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/20/2014 21:54

Lab File ID: 6528_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.6673	0.6975		10.5	10.0	4.5	30.0
2,2,4-Trimethylpentane	Ave	0.7963	0.8664		10.9	10.0	8.8	30.0
1,2-Dichloroethane	Ave	0.3331	0.3471		10.4	10.0	4.2	30.0
n-Heptane	Ave	0.2959	0.3091		10.4	10.0	4.5	30.0
n-Butanol	Ave	0.1142	0.1277		11.2	10.0	11.8	30.0
Trichloroethene	Ave	0.4731	0.4584		9.69	10.0	-3.1	30.0
1,2-Dichloropropane	Ave	0.3124	0.3283		10.5	10.0	5.1	30.0
Methyl methacrylate	Ave	0.2717	0.2916		10.7	10.0	7.3	30.0
1,4-Dioxane	Ave	0.1470	0.1628		11.1	10.0	10.8	30.0
Dibromomethane	Ave	0.5283	0.5196		9.83	10.0	-1.6	30.0
Bromodichloromethane	Ave	0.7799	0.8168		10.5	10.0	4.7	30.0
cis-1,3-Dichloropropene	Ave	0.5310	0.5583		10.5	10.0	5.1	30.0
methyl isobutyl ketone	Ave	0.4889	0.5314		10.9	10.0	8.7	30.0
Toluene	Ave	0.7326	0.7461		10.2	10.0	1.8	30.0
n-Octane	Ave	0.5119	0.5415		10.6	10.0	5.8	30.0
trans-1,3-Dichloropropene	Ave	0.5408	0.5726		10.6	10.0	5.9	30.0
1,1,2-Trichloroethane	Ave	0.3670	0.3802		10.4	10.0	3.6	30.0
Tetrachloroethene	Ave	0.7873	0.7531		9.56	10.0	-4.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4387	0.4879		11.1	10.0	11.2	30.0
Dibromochloromethane	Ave	0.9470	1.016		10.7	10.0	7.3	30.0
1,2-Dibromoethane	Ave	0.7388	0.7779		10.5	10.0	5.3	30.0
Chlorobenzene	Ave	1.063	1.086		10.2	10.0	2.2	30.0
Ethylbenzene	Ave	1.522	1.576		10.4	10.0	3.5	30.0
n-Nonane	Ave	0.5414	0.5743		10.6	10.0	6.1	30.0
m,p-Xylene	Ave	0.6221	0.6409		20.6	20.0	3.0	30.0
Xylene, o-	Ave	0.6494	0.6693		10.3	10.0	3.1	30.0
Styrene	Ave	0.8646	0.9488		11.0	10.0	9.7	30.0
Bromoform	Ave	0.8956	0.9742		10.9	10.0	8.8	30.0
Cumene	Ave	1.788	1.846		10.3	10.0	3.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8834	0.9211		10.4	10.0	4.3	30.0
1,2,3-Trichloropropane	Ave	0.5852	0.6357		10.9	10.0	8.6	30.0
n-Propylbenzene	Ave	1.845	1.980		10.7	10.0	7.3	30.0
2-Chlorotoluene	Ave	1.248	1.317		10.5	10.0	5.5	30.0
4-Ethyltoluene	Ave	1.502	1.631		10.9	10.0	8.6	30.0
n-Decane	Ave	0.5512	0.6097		11.1	10.0	10.6	30.0
1,3,5-Trimethylbenzene	Ave	1.484	1.532		10.3	10.0	3.2	30.0
Alpha Methyl Styrene	Ave	0.6800	0.7658		11.3	10.0	12.6	30.0
tert-Butylbenzene	Ave	1.507	1.519		10.1	10.0	0.8	30.0
1,2,4-Trimethylbenzene	Ave	1.437	1.488		10.4	10.0	3.6	30.0
sec-Butylbenzene	Ave	2.095	2.189		10.4	10.0	4.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Lab Sample ID: CCVIS 200-69419/2 Calibration Date: 03/12/2014 09:49

Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/20/2014 21:54

Lab File ID: 6528_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.741	1.833		10.5	10.0	5.3	30.0
1,3-Dichlorobenzene	Ave	0.8925	0.9731		10.9	10.0	9.0	30.0
1,4-Dichlorobenzene	Ave	0.8666	0.9412		10.9	10.0	8.6	30.0
Benzyl chloride	Ave	0.9186	1.021		11.1	10.0	11.1	30.0
n-Butylbenzene	Ave	1.370	1.487		10.8	10.0	8.5	30.0
n-Undecane	Ave	0.6424	0.7206		11.2	10.0	12.2	30.0
1,2-Dichlorobenzene	Ave	0.9899	0.9852		9.95	10.0	-0.5	30.0
n-Dodecane	Ave	0.1008	0.1532		15.2	10.0	52.1*	30.0
1,2,4-Trichlorobenzene	Ave	0.5281	0.5065		9.59	10.0	-4.1	30.0
Hexachlorobutadiene	Ave	0.4459	0.5756		12.9	10.0	29.1	30.0
Naphthalene	Ave	1.259	1.152		9.15	10.0	-8.5	30.0
1,2,3-Trichlorobenzene	Ave	0.4339	0.5379		12.4	10.0	24.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Lab Sample ID: ICV 200-69583/13 Calibration Date: 03/18/2014 19:09

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6584_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.3474	0.2752		7.92	10.0	-20.8	30.0
Dichlorodifluoromethane	Ave	2.576	2.210		8.58	10.0	-14.2	30.0
Freon 22	Ave	0.8659	0.7282		8.41	10.0	-15.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.252	2.056		9.13	10.0	-8.7	30.0
Chloromethane	Ave	0.4260	0.3487		8.19	10.0	-18.1	30.0
n-Butane	Ave	0.6804	0.5684		8.35	10.0	-16.5	30.0
Vinyl chloride	Ave	0.6474	0.4951		7.65	10.0	-23.5	30.0
1,3-Butadiene	Ave	0.4221	0.3339		7.91	10.0	-20.9	30.0
Bromomethane	Ave	0.8427	0.6939		8.23	10.0	-17.7	30.0
Chloroethane	Ave	0.2775	0.2350		8.47	10.0	-15.3	30.0
Isopentane	Ave	0.4748	0.3981		8.38	10.0	-16.2	30.0
Bromoethene(Vinyl Bromide)	Ave	1.033	0.8790		8.51	10.0	-14.9	30.0
Trichlorofluoromethane	Ave	3.192	2.618		8.20	10.0	-18.0	30.0
n-Pentane	Ave	0.7211	0.6838		9.48	10.0	-5.2	30.0
Ethanol	Ave	0.1583	0.1389		13.2	15.0	-12.3	30.0
Ethyl ether	Ave	0.3903	0.3686		9.44	10.0	-5.6	30.0
Acrolein	Ave	0.1760	0.1731		9.83	10.0	-1.7	30.0
Freon TF	Ave	1.926	1.657		8.60	10.0	-14.0	30.0
1,1-Dichloroethene	Ave	0.8770	0.7547		8.60	10.0	-13.9	30.0
Acetone	Ave	0.7425	0.6207		8.36	10.0	-16.4	30.0
Carbon disulfide	Ave	1.832	1.859		10.1	10.0	1.5	30.0
Isopropyl alcohol	Ave	0.5450	0.4471		8.20	10.0	-18.0	30.0
3-Chloropropene	Ave	0.5807	0.4558		7.85	10.0	-21.5	30.0
Acetonitrile	Ave	0.2661	0.2625		9.86	10.0	-1.4	30.0
Methylene Chloride	Ave	0.5364	0.4605		8.58	10.0	-14.1	30.0
tert-Butyl alcohol	Ave	1.033	0.8670		8.39	10.0	-16.0	30.0
Methyl tert-butyl ether	Ave	2.232	1.909		8.55	10.0	-14.5	30.0
trans-1,2-Dichloroethene	Ave	0.8935	0.8086		9.05	10.0	-9.5	30.0
Acrylonitrile	Ave	0.3373	0.3246		9.62	10.0	-3.8	30.0
n-Hexane	Ave	0.8515	0.7719		9.06	10.0	-9.4	30.0
1,1-Dichloroethane	Ave	1.275	1.047		8.21	10.0	-17.9	30.0
Vinyl acetate	Ave	1.266	1.105		8.73	10.0	-12.7	30.0
cis-1,2-Dichloroethene	Ave	1.131	0.9796		8.66	10.0	-13.4	30.0
Methyl Ethyl Ketone	Ave	0.4221	0.3552		8.41	10.0	-15.9	30.0
Ethyl acetate	Ave	0.0766	0.0781		10.2	10.0	1.9	30.0
Tetrahydrofuran	Ave	0.1007	0.0917		9.11	10.0	-8.9	30.0
Chloroform	Ave	2.347	2.038		8.68	10.0	-13.2	30.0
Cyclohexane	Ave	0.2591	0.2216		8.55	10.0	-14.5	30.0
1,1,1-Trichloroethane	Ave	0.5558	0.4674		8.41	10.0	-15.9	30.0
Carbon tetrachloride	Ave	0.6775	0.5587		8.25	10.0	-17.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Lab Sample ID: ICV 200-69583/13 Calibration Date: 03/18/2014 19:09

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6584_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7063	0.5934		8.40	10.0	-16.0	30.0
Benzene	Ave	0.5935	0.5053		8.51	10.0	-14.9	30.0
1,2-Dichloroethane	Ave	0.2755	0.2247		8.15	10.0	-18.4	30.0
n-Heptane	Ave	0.2309	0.1879		8.14	10.0	-18.6	30.0
n-Butanol	Ave	0.0730	0.0674		9.24	10.0	-7.6	30.0
Trichloroethene	Ave	0.3644	0.3095		8.49	10.0	-15.1	30.0
1,2-Dichloropropane	Ave	0.2073	0.1748		8.43	10.0	-15.7	30.0
Methyl methacrylate	Ave	0.2148	0.2008		9.35	10.0	-6.5	30.0
1,4-Dioxane	Ave	0.1040	0.0965		9.27	10.0	-7.2	30.0
Dibromomethane	Ave	0.4782	0.4314		9.02	10.0	-9.8	30.0
Bromodichloromethane	Ave	0.5900	0.4964		8.41	10.0	-15.9	30.0
cis-1,3-Dichloropropene	Ave	0.3783	0.3367		8.90	10.0	-11.0	30.0
methyl isobutyl ketone	Ave	0.3319	0.2866		8.63	10.0	-13.7	30.0
Toluene	Ave	0.5698	0.5091		8.93	10.0	-10.6	30.0
n-Octane	Ave	0.3778	0.3081		8.15	10.0	-18.4	30.0
trans-1,3-Dichloropropene	Ave	0.4400	0.3679		8.36	10.0	-16.4	30.0
1,1,2-Trichloroethane	Ave	0.2515	0.2217		8.81	10.0	-11.9	30.0
Tetrachloroethene	Ave	0.7342	0.6571		8.95	10.0	-10.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3229	0.2809		8.70	10.0	-13.0	30.0
Dibromochloromethane	Ave	0.7776	0.6736		8.66	10.0	-13.4	30.0
1,2-Dibromoethane	Ave	0.5898	0.5286		8.96	10.0	-10.4	30.0
Chlorobenzene	Ave	0.9095	0.7982		8.77	10.0	-12.2	30.0
Ethylbenzene	Ave	1.345	1.150		8.55	10.0	-14.5	30.0
n-Nonane	Ave	0.4307	0.3597		8.35	10.0	-16.5	30.0
m,p-Xylene	Ave	0.5802	0.5139		17.7	20.0	-11.4	30.0
Xylene, o-	Ave	0.5671	0.4937		8.70	10.0	-12.9	30.0
Styrene	Ave	0.8767	0.7827		8.93	10.0	-10.7	30.0
Bromoform	Ave	0.8979	0.8014		8.92	10.0	-10.8	30.0
Cumene	Ave	1.682	1.466		8.71	10.0	-12.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6820	0.5898		8.65	10.0	-13.5	30.0
n-Propylbenzene	Ave	1.846	1.575		8.53	10.0	-14.7	30.0
1,2,3-Trichloropropane	Ave	0.5078	0.4396		8.66	10.0	-13.4	30.0
n-Decane	Ave	0.5136	0.4530		8.82	10.0	-11.8	30.0
4-Ethyltoluene	Ave	1.692	1.493		8.82	10.0	-11.8	30.0
2-Chlorotoluene	Ave	1.323	1.105		8.35	10.0	-16.5	30.0
1,3,5-Trimethylbenzene	Ave	1.498	1.277		8.53	10.0	-14.7	30.0
Alpha Methyl Styrene	Ave	0.7556	0.7036		9.31	10.0	-6.9	30.0
tert-Butylbenzene	Ave	1.528	1.319		8.63	10.0	-13.7	30.0
1,2,4-Trimethylbenzene	Ave	1.526	1.279		8.38	10.0	-16.2	30.0
sec-Butylbenzene	Ave	2.067	1.810		8.75	10.0	-12.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Lab Sample ID: ICV 200-69583/13 Calibration Date: 03/18/2014 19:09

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6584_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.945	1.700		8.74	10.0	-12.6	30.0
1,3-Dichlorobenzene	Ave	1.263	1.093		8.66	10.0	-13.4	30.0
1,4-Dichlorobenzene	Ave	1.268	1.093		8.62	10.0	-13.8	30.0
Benzyl chloride	Ave	1.250	1.019		8.15	10.0	-18.5	30.0
n-Butylbenzene	Ave	1.465	1.229		8.39	10.0	-16.1	30.0
n-Undecane	Ave	0.5065	0.4870		9.61	10.0	-3.8	30.0
1,2-Dichlorobenzene	Ave	1.203	1.029		8.55	10.0	-14.4	30.0
n-Dodecane	Ave	0.4140	0.3932		9.49	10.0	-5.0	30.0
1,2,4-Trichlorobenzene	Ave	0.9580	0.8525		8.90	10.0	-11.0	30.0
Hexachlorobutadiene	Ave	0.8855	0.7759		8.76	10.0	-12.4	30.0
Naphthalene	Ave	1.818	1.527		8.40	10.0	-16.0	30.0
1,2,3-Trichlorobenzene	Ave	0.8287	0.7404		8.93	10.0	-10.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Lab Sample ID: CCVIS 200-69859/2 Calibration Date: 03/25/2014 09:52

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6688_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.3474	0.3311		9.53	10.0	-4.7	30.0
Dichlorodifluoromethane	Ave	2.576	2.646		10.3	10.0	2.7	30.0
Freon 22	Ave	0.8659	0.8835		10.2	10.0	2.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.252	2.158		9.58	10.0	-4.2	30.0
Chloromethane	Ave	0.4260	0.4205		9.87	10.0	-1.3	30.0
n-Butane	Ave	0.6804	0.6561		9.64	10.0	-3.6	30.0
Vinyl chloride	Ave	0.6474	0.5818		8.99	10.0	-10.1	30.0
1,3-Butadiene	Ave	0.4221	0.4020		9.52	10.0	-4.8	30.0
Bromomethane	Ave	0.8427	0.7806		9.26	10.0	-7.4	30.0
Chloroethane	Ave	0.2775	0.2717		9.79	10.0	-2.1	30.0
Isopentane	Ave	0.4748	0.4118		8.67	10.0	-13.3	30.0
Bromoethene(Vinyl Bromide)	Ave	1.033	0.9581		9.27	10.0	-7.2	30.0
Trichlorofluoromethane	Ave	3.192	2.897		9.07	10.0	-9.2	30.0
n-Pentane	Ave	0.7211	0.6798		9.43	10.0	-5.7	30.0
Ethanol	Ave	0.1583	0.1805		17.2	15.0	14.0	30.0
Ethyl ether	Ave	0.3903	0.3602		9.23	10.0	-7.7	30.0
Acrolein	Ave	0.1760	0.1679		10.6	10.0	-4.6	30.0
Freon TF	Ave	1.926	1.760		9.14	10.0	-8.6	30.0
1,1-Dichloroethene	Ave	0.8770	0.8095		9.23	10.0	-7.7	30.0
Acetone	Ave	0.7425	0.7683		10.3	10.0	3.5	30.0
Carbon disulfide	Ave	1.832	1.763		9.62	10.0	-3.8	30.0
Isopropyl alcohol	Ave	0.5450	0.5319		9.76	10.0	-2.4	30.0
3-Chloropropene	Ave	0.5807	0.5216		8.98	10.0	-10.2	30.0
Acetonitrile	Ave	0.2661	0.2446		9.19	10.0	-8.1	30.0
Methylene Chloride	Ave	0.5364	0.5004		9.33	10.0	-6.7	30.0
tert-Butyl alcohol	Ave	1.033	1.032		9.99	10.0	-0.0	30.0
Methyl tert-butyl ether	Ave	2.232	2.074		9.29	10.0	-7.1	30.0
trans-1,2-Dichloroethene	Ave	0.8935	0.8353		9.35	10.0	-6.5	30.0
Acrylonitrile	Ave	0.3373	0.3220		9.55	10.0	-4.5	30.0
n-Hexane	Ave	0.8515	0.7599		8.92	10.0	-10.8	30.0
1,1-Dichloroethane	Ave	1.275	1.129		8.85	10.0	-11.5	30.0
Vinyl acetate	Ave	1.266	1.220		9.64	10.0	-3.6	30.0
cis-1,2-Dichloroethene	Ave	1.131	1.029		9.10	10.0	-9.0	30.0
Methyl Ethyl Ketone	Ave	0.4221	0.3702		8.77	10.0	-12.3	30.0
Ethyl acetate	Ave	0.0766	0.0733		9.57	10.0	-4.3	30.0
Tetrahydrofuran	Ave	0.1007	0.0992		8.61	10.0	-1.4	30.0
Chloroform	Ave	2.347	2.137		9.11	10.0	-8.9	30.0
Cyclohexane	Ave	0.2591	0.2375		9.16	10.0	-8.3	30.0
1,1,1-Trichloroethane	Ave	0.5558	0.5067		9.11	10.0	-8.8	30.0
Carbon tetrachloride	Ave	0.6775	0.6002		8.86	10.0	-11.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Lab Sample ID: CCVIS 200-69859/2 Calibration Date: 03/25/2014 09:52

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6688_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7063	0.6487		9.18	10.0	-8.2	30.0
Benzene	Ave	0.5935	0.5383		9.07	10.0	-9.3	30.0
1,2-Dichloroethane	Ave	0.2755	0.2521		9.15	10.0	-8.5	30.0
n-Heptane	Ave	0.2309	0.2104		9.11	10.0	-8.9	30.0
n-Butanol	Ave	0.0730	0.0709		9.72	10.0	-2.8	30.0
Trichloroethene	Ave	0.3644	0.3155		8.65	10.0	-13.4	30.0
1,2-Dichloropropane	Ave	0.2073	0.1909		9.21	10.0	-7.9	30.0
Methyl methacrylate	Ave	0.2148	0.2056		9.57	10.0	-4.3	30.0
1,4-Dioxane	Ave	0.1040	0.0990		9.52	10.0	-4.8	30.0
Dibromomethane	Ave	0.4782	0.4051		8.47	10.0	-15.3	30.0
Bromodichloromethane	Ave	0.5900	0.5471		9.27	10.0	-7.3	30.0
cis-1,3-Dichloropropene	Ave	0.3783	0.3559		9.41	10.0	-5.9	30.0
methyl isobutyl ketone	Ave	0.3319	0.3263		9.83	10.0	-1.7	30.0
Toluene	Ave	0.5698	0.5112		8.97	10.0	-10.3	30.0
n-Octane	Ave	0.3778	0.3508		9.28	10.0	-7.1	30.0
trans-1,3-Dichloropropene	Ave	0.4400	0.4000		9.09	10.0	-9.1	30.0
1,1,2-Trichloroethane	Ave	0.2515	0.2285		9.08	10.0	-9.1	30.0
Tetrachloroethene	Ave	0.7342	0.6065		8.26	10.0	-17.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3229	0.3101		9.60	10.0	-4.0	30.0
Dibromochloromethane	Ave	0.7776	0.6983		8.98	10.0	-10.2	30.0
1,2-Dibromoethane	Ave	0.5898	0.5235		8.87	10.0	-11.2	30.0
Chlorobenzene	Ave	0.9095	0.7924		8.71	10.0	-12.9	30.0
Ethylbenzene	Ave	1.345	1.195		8.89	10.0	-11.1	30.0
n-Nonane	Ave	0.4307	0.3945		9.16	10.0	-8.4	30.0
m,p-Xylene	Ave	0.5802	0.5269		18.2	20.0	-9.2	30.0
Xylene, o-	Ave	0.5671	0.5126		9.04	10.0	-9.6	30.0
Styrene	Ave	0.8767	0.7978		9.10	10.0	-9.0	30.0
Bromoform	Ave	0.8979	0.8206		9.14	10.0	-8.6	30.0
Cumene	Ave	1.682	1.552		9.22	10.0	-7.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6820	0.6260		9.18	10.0	-8.2	30.0
n-Propylbenzene	Ave	1.846	1.729		9.36	10.0	-6.3	30.0
1,2,3-Trichloropropane	Ave	0.5078	0.4895		9.64	10.0	-3.6	30.0
n-Decane	Ave	0.5136	0.5083		9.89	10.0	-1.0	30.0
4-Ethyltoluene	Ave	1.692	1.583		9.36	10.0	-6.4	30.0
2-Chlorotoluene	Ave	1.323	1.228		9.28	10.0	-7.2	30.0
1,3,5-Trimethylbenzene	Ave	1.498	1.365		9.11	10.0	-8.9	30.0
Alpha Methyl Styrene	Ave	0.7556	0.6812		9.01	10.0	-9.8	30.0
tert-Butylbenzene	Ave	1.528	1.407		9.20	10.0	-8.0	30.0
1,2,4-Trimethylbenzene	Ave	1.526	1.396		9.15	10.0	-8.5	30.0
sec-Butylbenzene	Ave	2.067	1.970		9.53	10.0	-4.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Lab Sample ID: CCVIS 200-69859/2 Calibration Date: 03/25/2014 09:52

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6688_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.945	1.833		9.42	10.0	-5.8	30.0
1,3-Dichlorobenzene	Ave	1.263	1.149		9.10	10.0	-9.0	30.0
1,4-Dichlorobenzene	Ave	1.268	1.156		9.12	10.0	-8.8	30.0
Benzyl chloride	Ave	1.250	1.251		10.0	10.0	0.1	30.0
n-Butylbenzene	Ave	1.465	1.388		9.47	10.0	-5.2	30.0
n-Undecane	Ave	0.5065	0.5370		9.97	10.0	6.0	30.0
1,2-Dichlorobenzene	Ave	1.203	1.086		9.02	10.0	-9.7	30.0
n-Dodecane	Ave	0.4140	0.4193		10.1	10.0	1.3	30.0
1,2,4-Trichlorobenzene	Ave	0.9580	0.9073		9.47	10.0	-5.3	30.0
Hexachlorobutadiene	Ave	0.8855	0.7942		8.97	10.0	-10.3	30.0
Naphthalene	Ave	1.818	1.775		9.76	10.0	-2.4	30.0
1,2,3-Trichlorobenzene	Ave	0.8287	0.8022		9.68	10.0	-3.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Lab Sample ID: ICV 200-68234/14 Calibration Date: 02/12/2014 03:20

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6101_014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6601	0.5218		7.90	10.0	-21.0	30.0
Dichlorodifluoromethane	Ave	4.574	3.691		8.07	10.0	-19.3	30.0
Freon 22	Ave	1.733	1.395		8.05	10.0	-19.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.900	3.454		8.86	10.0	-11.4	30.0
Chloromethane	Ave	0.7873	0.6279		7.97	10.0	-20.2	30.0
n-Butane	Ave	1.276	1.082		8.48	10.0	-15.2	30.0
Vinyl chloride	Ave	1.133	0.8930		7.88	10.0	-21.2	30.0
1,3-Butadiene	Ave	0.6968	0.5928		8.50	10.0	-14.9	30.0
Bromomethane	Ave	1.171	0.9199		7.85	10.0	-21.5	30.0
Chloroethane	Ave	0.6027	0.4820		7.99	10.0	-20.0	30.0
Isopentane	Ave	0.9735	0.8689		8.92	10.0	-10.7	30.0
Bromoethene(Vinyl Bromide)	Ave	1.561	1.305		8.36	10.0	-16.4	30.0
Trichlorofluoromethane	Ave	5.126	3.998		7.80	10.0	-22.0	30.0
n-Pentane	Ave	1.364	1.342		9.83	10.0	-1.7	30.0
Ethanol	Ave	0.2860	0.2399		12.6	15.0	-16.1	30.0
Ethyl ether	Ave	0.7138	0.7330		10.3	10.0	2.7	30.0
Acrolein	Ave	0.3000	0.3236		10.8	10.0	7.9	30.0
Freon TF	Ave	3.208	2.620		8.17	10.0	-18.3	30.0
1,1-Dichloroethene	Ave	1.382	1.206		8.72	10.0	-12.7	30.0
Acetone	Ave	1.452	1.422		9.79	10.0	-2.1	30.0
Carbon disulfide	Ave	3.183	3.074		9.66	10.0	-3.4	30.0
Isopropyl alcohol	Ave	1.217	0.9047		7.43	10.0	-25.6	30.0
3-Chloropropene	Ave	0.9827	0.8690		8.84	10.0	-11.6	30.0
Acetonitrile	Ave	0.5322	0.4695		8.82	10.0	-11.8	30.0
Methylene Chloride	Ave	1.011	0.8440		8.35	10.0	-16.5	30.0
tert-Butyl alcohol	Ave	2.208	1.792		8.11	10.0	-18.8	30.0
Methyl tert-butyl ether	Ave	3.658	3.641		9.95	10.0	-0.5	30.0
trans-1,2-Dichloroethene	Ave	1.666	1.518		9.11	10.0	-8.9	30.0
Acrylonitrile	Ave	0.6196	0.5743		9.27	10.0	-7.3	30.0
n-Hexane	Ave	1.400	1.443		10.3	10.0	3.1	30.0
1,1-Dichloroethane	Ave	2.242	1.819		8.11	10.0	-18.9	30.0
Vinyl acetate	Ave	2.083	1.908		9.16	10.0	-8.4	30.0
cis-1,2-Dichloroethene	Ave	1.459	1.310		8.97	10.0	-10.3	30.0
Methyl Ethyl Ketone	Ave	0.6148	0.5454		8.87	10.0	-11.3	30.0
Ethyl acetate	Ave	0.1195	0.1135		9.49	10.0	-5.0	30.0
Tetrahydrofuran	Ave	0.1892	0.1677		8.86	10.0	-11.4	30.0
Chloroform	Ave	3.351	2.766		8.25	10.0	-17.5	30.0
Cyclohexane	Ave	0.3651	0.3510		9.61	10.0	-3.9	30.0
1,1,1-Trichloroethane	Ave	0.8347	0.6941		8.31	10.0	-16.8	30.0
Carbon tetrachloride	Ave	0.9534	0.7595		7.97	10.0	-20.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Lab Sample ID: ICV 200-68234/14 Calibration Date: 02/12/2014 03:20

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6101_014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9724	0.9536		9.80	10.0	-1.9	30.0
Benzene	Ave	0.8714	0.7454		8.55	10.0	-14.5	30.0
1,2-Dichloroethane	Ave	0.4411	0.3729		8.45	10.0	-15.5	30.0
n-Heptane	Ave	0.3036	0.2983		9.82	10.0	-1.8	30.0
n-Butanol	Ave	0.1081	0.0899		8.31	10.0	-16.9	30.0
Trichloroethene	Ave	0.4486	0.3972		8.85	10.0	-11.5	30.0
1,2-Dichloropropane	Ave	0.2654	0.2271		8.55	10.0	-14.4	30.0
Methyl methacrylate	Ave	0.2752	0.2583		9.38	10.0	-6.1	30.0
1,4-Dioxane	Ave	0.1525	0.1186		7.77	10.0	-22.3	30.0
Dibromomethane	Ave	0.5502	0.4531		8.23	10.0	-17.6	30.0
Bromodichloromethane	Ave	0.7680	0.6447		8.39	10.0	-16.1	30.0
cis-1,3-Dichloropropene	Ave	0.4344	0.4270		9.83	10.0	-1.7	30.0
methyl isobutyl ketone	Ave	0.4254	0.3833		9.01	10.0	-9.9	30.0
n-Octane	Ave	0.4024	0.3953		9.82	10.0	-1.8	30.0
Toluene	Ave	0.7252	0.6585		9.08	10.0	-9.2	30.0
trans-1,3-Dichloropropene	Ave	0.4984	0.4749		9.52	10.0	-4.7	30.0
1,1,2-Trichloroethane	Ave	0.3616	0.3099		8.57	10.0	-14.3	30.0
Tetrachloroethene	Ave	0.9024	0.7795		8.64	10.0	-13.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4083	0.3819		9.35	10.0	-6.5	30.0
Dibromochloromethane	Ave	1.004	0.8568		8.53	10.0	-14.7	30.0
1,2-Dibromoethane	Ave	0.7336	0.6626		9.03	10.0	-9.7	30.0
Chlorobenzene	Ave	1.213	1.014		8.36	10.0	-16.4	30.0
Ethylbenzene	Ave	1.694	1.544		9.11	10.0	-8.9	30.0
n-Nonane	Ave	0.5654	0.5206		9.21	10.0	-7.9	30.0
m,p-Xylene	Ave	0.6834	0.6134		17.9	20.0	-10.2	30.0
Xylene, o-	Ave	0.6450	0.6220		9.64	10.0	-3.6	30.0
Styrene	Ave	0.9570	0.9354		9.77	10.0	-2.3	30.0
Bromoform	Ave	1.010	0.8961		8.87	10.0	-11.3	30.0
Cumene	Ave	1.983	1.978		9.97	10.0	-0.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9828	0.8466		8.61	10.0	-13.9	30.0
n-Propylbenzene	Ave	2.308	2.182		9.45	10.0	-5.5	30.0
1,2,3-Trichloropropane	Ave	0.7563	0.6505		8.60	10.0	-14.0	30.0
n-Decane	Ave	0.7915	0.7216		9.12	10.0	-8.8	30.0
4-Ethyltoluene	Ave	2.208	2.031		9.20	10.0	-8.0	30.0
2-Chlorotoluene	Ave	1.930	1.661		8.60	10.0	-13.9	30.0
1,3,5-Trimethylbenzene	Ave	2.043	1.801		8.81	10.0	-11.9	30.0
Alpha Methyl Styrene	Ave	0.8513	0.8874		10.4	10.0	4.2	30.0
tert-Butylbenzene	Ave	1.984	1.765		8.89	10.0	-11.0	30.0
1,2,4-Trimethylbenzene	Ave	1.950	1.764		9.05	10.0	-9.5	30.0
sec-Butylbenzene	Ave	2.687	2.399		8.93	10.0	-10.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Lab Sample ID: ICV 200-68234/14 Calibration Date: 02/12/2014 03:20

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6101_014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.363	2.177		9.21	10.0	-7.9	30.0
1,3-Dichlorobenzene	Ave	1.421	1.224		8.61	10.0	-13.8	30.0
1,4-Dichlorobenzene	Ave	1.323	1.191		9.01	10.0	-9.9	30.0
Benzyl chloride	Ave	1.188	1.091		9.18	10.0	-8.2	30.0
n-Undecane	Ave	0.8026	0.7231		9.01	10.0	-9.9	30.0
n-Butylbenzene	Ave	1.792	1.580		8.81	10.0	-11.8	30.0
1,2-Dichlorobenzene	Ave	1.383	1.196		8.64	10.0	-13.6	30.0
n-Dodecane	Ave	0.5251	0.4886		9.30	10.0	-7.0	30.0
1,2,4-Trichlorobenzene	Ave	0.7107	0.6320		8.89	10.0	-11.1	30.0
Hexachlorobutadiene	Ave	1.124	0.9086		8.08	10.0	-19.2	30.0
Naphthalene	Ave	1.386	1.258		9.08	10.0	-9.2	30.0
1,2,3-Trichlorobenzene	Ave	0.6622	0.5867		8.86	10.0	-11.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Lab Sample ID: CCVIS 200-69997/2 Calibration Date: 03/27/2014 11:29

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6739_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6601	0.6469		9.80	10.0	-2.0	30.0
Dichlorodifluoromethane	Ave	4.574	4.153		9.08	10.0	-9.2	30.0
Freon 22	Ave	1.733	1.565		9.03	10.0	-9.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.900	3.355		8.60	10.0	-14.0	30.0
Chloromethane	Ave	0.7873	0.7226		9.18	10.0	-8.2	30.0
n-Butane	Ave	1.276	1.168		9.16	10.0	-8.4	30.0
Vinyl chloride	Ave	1.133	0.9689		8.55	10.0	-14.5	30.0
1,3-Butadiene	Ave	0.6968	0.6442		9.24	10.0	-7.6	30.0
Bromomethane	Ave	1.171	0.9721		8.30	10.0	-17.0	30.0
Chloroethane	Ave	0.6027	0.5535		9.18	10.0	-8.2	30.0
Isopentane	Ave	0.9735	0.8931		9.17	10.0	-8.3	30.0
Bromoethene(Vinyl Bromide)	Ave	1.561	1.426		9.13	10.0	-8.6	30.0
Trichlorofluoromethane	Ave	5.126	4.172		8.14	10.0	-18.6	30.0
n-Pentane	Ave	1.364	1.312		9.61	10.0	-3.9	30.0
Ethanol	Ave	0.2860	0.3750		19.7	15.0	31.1*	30.0
Ethyl ether	Ave	0.7138	0.6866		9.62	10.0	-3.8	30.0
Acrolein	Ave	0.3000	0.2935		9.78	10.0	-2.2	30.0
Freon TF	Ave	3.208	2.703		8.42	10.0	-15.8	30.0
1,1-Dichloroethene	Ave	1.382	1.278		9.24	10.0	-7.5	30.0
Acetone	Ave	1.452	1.463		10.1	10.0	0.8	30.0
Carbon disulfide	Ave	3.183	3.049		9.58	10.0	-4.2	30.0
Isopropyl alcohol	Ave	1.217	1.045		8.59	10.0	-14.1	30.0
3-Chloropropene	Ave	0.9827	0.9478		9.64	10.0	-3.6	30.0
Acetonitrile	Ave	0.5322	0.4674		8.78	10.0	-12.2	30.0
Methylene Chloride	Ave	1.011	0.8831		8.73	10.0	-12.7	30.0
tert-Butyl alcohol	Ave	2.208	1.859		8.42	10.0	-15.8	30.0
Methyl tert-butyl ether	Ave	3.658	3.583		9.79	10.0	-2.1	30.0
trans-1,2-Dichloroethene	Ave	1.666	1.484		8.91	10.0	-10.9	30.0
Acrylonitrile	Ave	0.6196	0.5707		9.21	10.0	-7.9	30.0
n-Hexane	Ave	1.400	1.399		9.99	10.0	-0.0	30.0
1,1-Dichloroethane	Ave	2.242	1.856		8.28	10.0	-17.2	30.0
Vinyl acetate	Ave	2.083	2.021		9.70	10.0	-3.0	30.0
cis-1,2-Dichloroethene	Ave	1.459	1.387		9.50	10.0	-5.0	30.0
Methyl Ethyl Ketone	Ave	0.6148	0.5646		9.18	10.0	-8.2	30.0
Ethyl acetate	Ave	0.1195	0.1126		9.42	10.0	-5.8	30.0
Tetrahydrofuran	Ave	0.1892	0.1716		9.07	10.0	-9.3	30.0
Chloroform	Ave	3.351	2.812		8.39	10.0	-16.1	30.0
Cyclohexane	Ave	0.3651	0.3658		10.0	10.0	0.2	30.0
1,1,1-Trichloroethane	Ave	0.8347	0.7136		8.55	10.0	-14.5	30.0
Carbon tetrachloride	Ave	0.9534	0.7821		8.20	10.0	-18.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Lab Sample ID: CCVIS 200-69997/2 Calibration Date: 03/27/2014 11:29

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6739_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9724	1.003		10.3	10.0	3.2	30.0
Benzene	Ave	0.8714	0.7897		9.06	10.0	-9.4	30.0
1,2-Dichloroethane	Ave	0.4411	0.3722		8.44	10.0	-15.6	30.0
n-Heptane	Ave	0.3036	0.3106		10.2	10.0	2.3	30.0
n-Butanol	Ave	0.1081	0.0882		8.15	10.0	-18.4	30.0
Trichloroethene	Ave	0.4486	0.4050		9.03	10.0	-9.7	30.0
1,2-Dichloropropane	Ave	0.2654	0.2447		9.22	10.0	-7.8	30.0
Methyl methacrylate	Ave	0.2752	0.2607		9.47	10.0	-5.3	30.0
1,4-Dioxane	Ave	0.1525	0.1276		8.36	10.0	-16.4	30.0
Dibromomethane	Ave	0.5502	0.4747		8.63	10.0	-13.7	30.0
Bromodichloromethane	Ave	0.7680	0.6715		8.74	10.0	-12.6	30.0
cis-1,3-Dichloropropene	Ave	0.4344	0.4342		9.99	10.0	-0.0	30.0
methyl isobutyl ketone	Ave	0.4254	0.4028		9.47	10.0	-5.3	30.0
n-Octane	Ave	0.4024	0.4116		10.2	10.0	2.3	30.0
Toluene	Ave	0.7252	0.6767		9.33	10.0	-6.7	30.0
trans-1,3-Dichloropropene	Ave	0.4984	0.4779		9.59	10.0	-4.1	30.0
1,1,2-Trichloroethane	Ave	0.3616	0.3174		8.78	10.0	-12.2	30.0
Tetrachloroethene	Ave	0.9024	0.7953		8.81	10.0	-11.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4083	0.3809		9.33	10.0	-6.7	30.0
Dibromochloromethane	Ave	1.004	0.9002		8.96	10.0	-10.4	30.0
1,2-Dibromoethane	Ave	0.7336	0.6741		9.19	10.0	-8.1	30.0
Chlorobenzene	Ave	1.213	1.039		8.56	10.0	-14.4	30.0
Ethylbenzene	Ave	1.694	1.570		9.26	10.0	-7.4	30.0
n-Nonane	Ave	0.5654	0.5366		9.49	10.0	-5.1	30.0
m,p-Xylene	Ave	0.6834	0.6300		18.4	20.0	-7.8	30.0
Xylene, o-	Ave	0.6450	0.6417		9.95	10.0	-0.5	30.0
Styrene	Ave	0.9570	0.9524		9.95	10.0	-0.5	30.0
Bromoform	Ave	1.010	0.9072		8.98	10.0	-10.2	30.0
Cumene	Ave	1.983	1.957		9.86	10.0	-1.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9828	0.8319		8.46	10.0	-15.4	30.0
n-Propylbenzene	Ave	2.308	2.223		9.63	10.0	-3.7	30.0
1,2,3-Trichloropropane	Ave	0.7563	0.6594		8.72	10.0	-12.8	30.0
n-Decane	Ave	0.7915	0.7315		9.24	10.0	-7.6	30.0
4-Ethyltoluene	Ave	2.208	2.028		9.19	10.0	-8.1	30.0
2-Chlorotoluene	Ave	1.930	1.703		8.82	10.0	-11.8	30.0
1,3,5-Trimethylbenzene	Ave	2.043	1.826		8.93	10.0	-10.6	30.0
Alpha Methyl Styrene	Ave	0.8513	0.8686		10.2	10.0	2.0	30.0
tert-Butylbenzene	Ave	1.984	1.805		9.10	10.0	-9.0	30.0
1,2,4-Trimethylbenzene	Ave	1.950	1.802		9.24	10.0	-7.6	30.0
sec-Butylbenzene	Ave	2.687	2.490		9.27	10.0	-7.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Lab Sample ID: CCVIS 200-69997/2 Calibration Date: 03/27/2014 11:29

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6739_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.363	2.239		9.47	10.0	-5.2	30.0
1,3-Dichlorobenzene	Ave	1.421	1.265		8.90	10.0	-11.0	30.0
1,4-Dichlorobenzene	Ave	1.323	1.238		9.36	10.0	-6.4	30.0
Benzyl chloride	Ave	1.188	1.198		10.1	10.0	0.8	30.0
n-Undecane	Ave	0.8026	0.7394		9.21	10.0	-7.9	30.0
n-Butylbenzene	Ave	1.792	1.645		9.18	10.0	-8.2	30.0
1,2-Dichlorobenzene	Ave	1.383	1.218		8.80	10.0	-12.0	30.0
n-Dodecane	Ave	0.5251	0.5220		9.94	10.0	-0.6	30.0
1,2,4-Trichlorobenzene	Ave	0.7107	0.6812		9.58	10.0	-4.2	30.0
Hexachlorobutadiene	Ave	1.124	0.9303		8.27	10.0	-17.2	30.0
Naphthalene	Ave	1.386	1.441		10.4	10.0	4.0	30.0
1,2,3-Trichlorobenzene	Ave	0.6622	0.6729		10.2	10.0	1.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Lab Sample ID: ICV 200-69511/13 Calibration Date: 03/14/2014 20:54

Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/14/2014 18:16

Lab File ID: 6557_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.1743	0.1689		9.69	10.0	-3.1	30.0
Dichlorodifluoromethane	Ave	1.460	1.279		8.76	10.0	-12.4	30.0
Freon 22	Ave	0.5424	0.4978		9.18	10.0	-8.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.403	1.345		9.59	10.0	-4.1	30.0
Chloromethane	Ave	0.2704	0.2466		9.12	10.0	-8.8	30.0
n-Butane	Ave	0.4504	0.4212		9.35	10.0	-6.5	30.0
Vinyl chloride	Ave	0.4616	0.4030		8.73	10.0	-12.7	30.0
1,3-Butadiene	Ave	0.3095	0.2794		9.02	10.0	-9.7	30.0
Bromomethane	Ave	0.8958	0.7559		8.44	10.0	-15.6	30.0
Chloroethane	Ave	0.3512	0.3075		8.75	10.0	-12.4	30.0
Isopentane	Ave	0.5170	0.4479		8.66	10.0	-13.4	30.0
Bromoethene(Vinyl Bromide)	Ave	1.028	0.8848		8.60	10.0	-13.9	30.0
Trichlorofluoromethane	Ave	2.551	2.176		8.53	10.0	-14.7	30.0
n-Pentane	Ave	0.9039	0.8825		9.76	10.0	-2.4	30.0
Ethanol	Ave	0.2261	0.1994		13.2	15.0	-11.8	30.0
Ethyl ether	Ave	0.5349	0.5438		10.2	10.0	1.7	30.0
Acrolein	Ave	0.2205	0.2504		11.4	10.0	13.6	30.0
Freon TF	Ave	2.227	2.041		9.17	10.0	-8.3	30.0
1,1-Dichloroethene	Ave	1.093	1.011		9.24	10.0	-7.6	30.0
Acetone	Ave	0.8103	0.7894		9.74	10.0	-2.6	30.0
Isopropyl alcohol	Ave	0.7237	0.6152		8.50	10.0	-15.0	30.0
Carbon disulfide	Ave	2.452	2.593		10.6	10.0	5.7	30.0
3-Chloropropene	Ave	0.7232	0.5910		8.17	10.0	-18.3	30.0
Acetonitrile	Ave	0.3573	0.3550		9.93	10.0	-0.7	30.0
Methylene Chloride	Ave	0.6693	0.5862		8.76	10.0	-12.4	30.0
tert-Butyl alcohol	Ave	1.366	1.236		9.05	10.0	-9.5	30.0
Methyl tert-butyl ether	Ave	2.686	2.536		9.44	10.0	-5.6	30.0
trans-1,2-Dichloroethene	Ave	1.094	1.049		9.58	10.0	-4.2	30.0
Acrylonitrile	Ave	0.4834	0.4667		9.65	10.0	-3.5	30.0
n-Hexane	Ave	1.134	1.098		9.68	10.0	-3.2	30.0
1,1-Dichloroethane	Ave	1.514	1.332		8.80	10.0	-12.0	30.0
Vinyl acetate	Ave	1.362	1.294		9.50	10.0	-5.0	30.0
cis-1,2-Dichloroethene	Ave	1.213	1.115		9.19	10.0	-8.1	30.0
Ethyl acetate	Ave	0.0884	0.0977		11.0	10.0	10.5	30.0
Methyl Ethyl Ketone	Ave	0.4983	0.4376		8.78	10.0	-12.2	30.0
Tetrahydrofuran	Ave	0.1091	0.1069		9.80	10.0	-2.0	30.0
Chloroform	Ave	2.101	1.932		9.20	10.0	-8.0	30.0
Cyclohexane	Ave	0.2942	0.2818		9.58	10.0	-4.2	30.0
1,1,1-Trichloroethane	Ave	0.4577	0.4252		9.29	10.0	-7.1	30.0
Carbon tetrachloride	Ave	0.5136	0.4633		9.02	10.0	-9.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Lab Sample ID: ICV 200-69511/13 Calibration Date: 03/14/2014 20:54

Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/14/2014 18:16

Lab File ID: 6557_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7462	0.6797		9.11	10.0	-8.9	30.0
Benzene	Ave	0.6528	0.5963		9.13	10.0	-8.7	30.0
1,2-Dichloroethane	Ave	0.2219	0.2030		9.14	10.0	-8.5	30.0
n-Heptane	Ave	0.2147	0.1858		8.65	10.0	-13.5	30.0
n-Butanol	Ave	0.0798	0.0756		9.47	10.0	-5.3	30.0
Trichloroethene	Ave	0.3255	0.2936		9.02	10.0	-9.8	30.0
1,2-Dichloropropane	Ave	0.1898	0.1693		8.92	10.0	-10.8	30.0
Methyl methacrylate	Ave	0.1966	0.1967		10.0	10.0	0.0	30.0
1,4-Dioxane	Ave	0.1073	0.0999		9.31	10.0	-6.9	30.0
Dibromomethane	Ave	0.3400	0.3116		9.16	10.0	-8.4	30.0
Bromodichloromethane	Ave	0.4673	0.4270		9.14	10.0	-8.6	30.0
cis-1,3-Dichloropropene	Ave	0.3405	0.3234		9.49	10.0	-5.0	30.0
methyl isobutyl ketone	Ave	0.2634	0.2425		9.20	10.0	-7.9	30.0
n-Octane	Ave	0.2911	0.2555		8.77	10.0	-12.2	30.0
Toluene	Ave	0.6191	0.5824		9.41	10.0	-5.9	30.0
trans-1,3-Dichloropropene	Ave	0.3507	0.3327		9.49	10.0	-5.1	30.0
1,1,2-Trichloroethane	Ave	0.2741	0.2551		9.31	10.0	-6.9	30.0
Tetrachloroethene	Ave	0.6108	0.5573		9.12	10.0	-8.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2987	0.2754		9.22	10.0	-7.8	30.0
Dibromochloromethane	Ave	0.6682	0.6141		9.19	10.0	-8.1	30.0
1,2-Dibromoethane	Ave	0.5825	0.5540		9.51	10.0	-4.9	30.0
Chlorobenzene	Ave	0.9196	0.8582		9.33	10.0	-6.7	30.0
n-Nonane	Ave	0.3979	0.3537		8.89	10.0	-11.1	30.0
Ethylbenzene	Ave	1.244	1.159		9.31	10.0	-6.9	30.0
m,p-Xylene	Ave	0.5474	0.5133		18.8	20.0	-6.2	30.0
Xylene, o-	Ave	0.5671	0.5291		9.33	10.0	-6.7	30.0
Styrene	Ave	0.8660	0.8276		9.55	10.0	-4.4	30.0
Bromoform	Ave	0.6560	0.6113		9.32	10.0	-6.8	30.0
Cumene	Ave	1.610	1.497		9.30	10.0	-7.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7149	0.6624		9.26	10.0	-7.3	30.0
n-Propylbenzene	Ave	1.780	1.657		9.31	10.0	-6.9	30.0
1,2,3-Trichloropropane	Ave	0.4684	0.4462		9.52	10.0	-4.7	30.0
n-Decane	Ave	0.4818	0.4674		9.70	10.0	-3.0	30.0
4-Ethyltoluene	Ave	1.617	1.544		9.55	10.0	-4.5	30.0
2-Chlorotoluene	Ave	1.226	1.123		9.16	10.0	-8.4	30.0
1,3,5-Trimethylbenzene	Ave	1.345	1.234		9.18	10.0	-8.2	30.0
Alpha Methyl Styrene	Ave	0.7136	0.7155		10.0	10.0	0.3	30.0
tert-Butylbenzene	Ave	1.363	1.262		9.26	10.0	-7.4	30.0
1,2,4-Trimethylbenzene	Ave	1.390	1.267		9.11	10.0	-8.8	30.0
sec-Butylbenzene	Ave	1.989	1.837		9.23	10.0	-7.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Lab Sample ID: ICV 200-69511/13 Calibration Date: 03/14/2014 20:54

Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/14/2014 18:16

Lab File ID: 6557_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.710	1.598		9.34	10.0	-6.5	30.0
1,3-Dichlorobenzene	Ave	1.029	0.9614		9.34	10.0	-6.6	30.0
1,4-Dichlorobenzene	Ave	1.024	0.9608		9.38	10.0	-6.2	30.0
Benzyl chloride	Ave	1.120	1.023		9.14	10.0	-8.6	30.0
n-Undecane	Ave	0.5203	0.5218		10.0	10.0	0.3	30.0
n-Butylbenzene	Ave	1.390	1.297		9.33	10.0	-6.7	30.0
1,2-Dichlorobenzene	Ave	0.9822	0.9137		9.30	10.0	-7.0	30.0
n-Dodecane	Ave	0.4505	0.3911		8.68	10.0	-13.2	30.0
1,2,4-Trichlorobenzene	Ave	0.6850	0.5823		8.50	10.0	-15.0	30.0
Hexachlorobutadiene	Ave	0.5499	0.4604		8.37	10.0	-16.3	30.0
Naphthalene	Ave	1.622	1.262		7.78	10.0	-22.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5882	0.5106		8.68	10.0	-13.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Lab Sample ID: CCVIS 200-69867/2 Calibration Date: 03/25/2014 11:31

Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/14/2014 18:16

Lab File ID: 6692_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.1743	0.1453		8.33	10.0	-16.7	30.0
Dichlorodifluoromethane	Ave	1.460	1.289		8.83	10.0	-11.7	30.0
Freon 22	Ave	0.5424	0.4450		8.20	10.0	-18.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.403	1.152		8.21	10.0	-17.9	30.0
Chloromethane	Ave	0.2704	0.2126		7.86	10.0	-21.4	30.0
n-Butane	Ave	0.4504	0.3584		7.96	10.0	-20.4	30.0
Vinyl chloride	Ave	0.4616	0.3733		8.09	10.0	-19.1	30.0
1,3-Butadiene	Ave	0.3095	0.2537		8.20	10.0	-18.0	30.0
Bromomethane	Ave	0.8958	0.7848		8.76	10.0	-12.4	30.0
Chloroethane	Ave	0.3512	0.3129		8.91	10.0	-10.9	30.0
Isopentane	Ave	0.5170	0.4186		8.10	10.0	-19.0	30.0
Bromoethene(Vinyl Bromide)	Ave	1.028	0.9302		9.05	10.0	-9.5	30.0
Trichlorofluoromethane	Ave	2.551	2.299		9.01	10.0	-9.9	30.0
n-Pentane	Ave	0.9039	0.7864		8.70	10.0	-13.0	30.0
Ethanol	Ave	0.2261	0.2302		15.3	15.0	1.8	30.0
Ethyl ether	Ave	0.5349	0.4672		8.73	10.0	-12.6	30.0
Acrolein	Ave	0.2205	0.1942		8.81	10.0	-11.9	30.0
Freon TF	Ave	2.227	1.941		8.71	10.0	-12.8	30.0
1,1-Dichloroethene	Ave	1.093	0.9592		8.77	10.0	-12.3	30.0
Acetone	Ave	0.8103	0.7222		8.91	10.0	-10.9	30.0
Isopropyl alcohol	Ave	0.7237	0.6589		9.10	10.0	-9.0	30.0
Carbon disulfide	Ave	2.452	2.159		8.80	10.0	-11.9	30.0
3-Chloropropene	Ave	0.7232	0.5966		8.25	10.0	-17.5	30.0
Acetonitrile	Ave	0.3573	0.3184		8.91	10.0	-10.9	30.0
Methylene Chloride	Ave	0.6693	0.5649		8.44	10.0	-15.6	30.0
tert-Butyl alcohol	Ave	1.366	1.232		9.02	10.0	-9.8	30.0
Methyl tert-butyl ether	Ave	2.686	2.353		8.76	10.0	-12.4	30.0
trans-1,2-Dichloroethene	Ave	1.094	0.9475		8.66	10.0	-13.4	30.0
Acrylonitrile	Ave	0.4834	0.4184		8.65	10.0	-13.5	30.0
n-Hexane	Ave	1.134	0.9567		8.43	10.0	-15.7	30.0
1,1-Dichloroethane	Ave	1.514	1.240		8.19	10.0	-18.1	30.0
Vinyl acetate	Ave	1.362	1.261		9.26	10.0	-7.4	30.0
cis-1,2-Dichloroethene	Ave	1.213	1.071		8.83	10.0	-11.6	30.0
Ethyl acetate	Ave	0.0884	0.0826		9.34	10.0	-6.5	30.0
Methyl Ethyl Ketone	Ave	0.4983	0.4075		8.18	10.0	-18.2	30.0
Tetrahydrofuran	Ave	0.1091	0.1033		9.47	10.0	-5.3	30.0
Chloroform	Ave	2.101	1.835		8.73	10.0	-12.6	30.0
Cyclohexane	Ave	0.2942	0.2685		9.12	10.0	-8.7	30.0
1,1,1-Trichloroethane	Ave	0.4577	0.4230		9.24	10.0	-7.6	30.0
Carbon tetrachloride	Ave	0.5136	0.4577		8.91	10.0	-10.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Lab Sample ID: CCVIS 200-69867/2 Calibration Date: 03/25/2014 11:31

Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/14/2014 18:16

Lab File ID: 6692_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7462	0.6660		8.92	10.0	-10.8	30.0
Benzene	Ave	0.6528	0.5746		8.80	10.0	-12.0	30.0
1,2-Dichloroethane	Ave	0.2219	0.1967		8.86	10.0	-11.4	30.0
n-Heptane	Ave	0.2147	0.1837		8.56	10.0	-14.4	30.0
n-Butanol	Ave	0.0798	0.0730		9.15	10.0	-8.5	30.0
Trichloroethene	Ave	0.3255	0.2840		8.72	10.0	-12.7	30.0
1,2-Dichloropropane	Ave	0.1898	0.1676		8.83	10.0	-11.7	30.0
Methyl methacrylate	Ave	0.1966	0.1842		9.37	10.0	-6.3	30.0
1,4-Dioxane	Ave	0.1073	0.1016		9.47	10.0	-5.3	30.0
Dibromomethane	Ave	0.3400	0.3181		9.35	10.0	-6.4	30.0
Bromodichloromethane	Ave	0.4673	0.4285		9.17	10.0	-8.3	30.0
cis-1,3-Dichloropropene	Ave	0.3405	0.3056		8.97	10.0	-10.3	30.0
methyl isobutyl ketone	Ave	0.2634	0.2430		9.22	10.0	-7.8	30.0
n-Octane	Ave	0.2911	0.2532		8.70	10.0	-13.0	30.0
Toluene	Ave	0.6191	0.5448		8.80	10.0	-12.0	30.0
trans-1,3-Dichloropropene	Ave	0.3507	0.3200		9.12	10.0	-8.8	30.0
1,1,2-Trichloroethane	Ave	0.2741	0.2418		8.82	10.0	-11.8	30.0
Tetrachloroethene	Ave	0.6108	0.5460		8.94	10.0	-10.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2987	0.2641		8.84	10.0	-11.6	30.0
Dibromochloromethane	Ave	0.6682	0.6235		9.33	10.0	-6.7	30.0
1,2-Dibromoethane	Ave	0.5825	0.5323		9.14	10.0	-8.6	30.0
Chlorobenzene	Ave	0.9196	0.8145		8.86	10.0	-11.4	30.0
n-Nonane	Ave	0.3979	0.3399		8.54	10.0	-14.6	30.0
Ethylbenzene	Ave	1.244	1.127		9.06	10.0	-9.4	30.0
m,p-Xylene	Ave	0.5474	0.5014		18.3	20.0	-8.4	30.0
Xylene, o-	Ave	0.5671	0.5130		9.04	10.0	-9.6	30.0
Styrene	Ave	0.8660	0.7957		9.19	10.0	-8.1	30.0
Bromoform	Ave	0.6560	0.6346		9.67	10.0	-3.3	30.0
Cumene	Ave	1.610	1.475		9.16	10.0	-8.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7149	0.6417		8.97	10.0	-10.2	30.0
n-Propylbenzene	Ave	1.780	1.637		9.20	10.0	-8.0	30.0
1,2,3-Trichloropropane	Ave	0.4684	0.4431		9.46	10.0	-5.4	30.0
n-Decane	Ave	0.4818	0.4548		9.44	10.0	-5.6	30.0
4-Ethyltoluene	Ave	1.617	1.485		9.18	10.0	-8.2	30.0
2-Chlorotoluene	Ave	1.226	1.123		9.16	10.0	-8.4	30.0
1,3,5-Trimethylbenzene	Ave	1.345	1.230		9.15	10.0	-8.5	30.0
Alpha Methyl Styrene	Ave	0.7136	0.6813		9.55	10.0	-4.5	30.0
tert-Butylbenzene	Ave	1.363	1.241		9.10	10.0	-9.0	30.0
1,2,4-Trimethylbenzene	Ave	1.390	1.246		8.96	10.0	-10.3	30.0
sec-Butylbenzene	Ave	1.989	1.806		9.08	10.0	-9.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Lab Sample ID: CCVIS 200-69867/2 Calibration Date: 03/25/2014 11:31

Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/14/2014 18:16

Lab File ID: 6692_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.710	1.570		9.18	10.0	-8.2	30.0
1,3-Dichlorobenzene	Ave	1.029	0.9514		9.25	10.0	-7.5	30.0
1,4-Dichlorobenzene	Ave	1.024	0.9488		9.26	10.0	-7.4	30.0
Benzyl chloride	Ave	1.120	1.075		9.60	10.0	-4.0	30.0
n-Undecane	Ave	0.5203	0.4942		9.50	10.0	-5.0	30.0
n-Butylbenzene	Ave	1.390	1.283		9.22	10.0	-7.8	30.0
1,2-Dichlorobenzene	Ave	0.9822	0.9061		9.22	10.0	-7.8	30.0
n-Dodecane	Ave	0.4505	0.4089		9.07	10.0	-9.2	30.0
1,2,4-Trichlorobenzene	Ave	0.6850	0.5892		8.60	10.0	-14.0	30.0
Hexachlorobutadiene	Ave	0.5499	0.4836		8.79	10.0	-12.1	30.0
Naphthalene	Ave	1.622	1.375		8.47	10.0	-15.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5882	0.5424		9.22	10.0	-7.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Lab Sample ID: ICV 200-69583/13 Calibration Date: 03/18/2014 19:09

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6584_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.3474	0.2752		7.92	10.0	-20.8	30.0
Dichlorodifluoromethane	Ave	2.576	2.210		8.58	10.0	-14.2	30.0
Freon 22	Ave	0.8659	0.7282		8.41	10.0	-15.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.252	2.056		9.13	10.0	-8.7	30.0
Chloromethane	Ave	0.4260	0.3487		8.19	10.0	-18.1	30.0
n-Butane	Ave	0.6804	0.5684		8.35	10.0	-16.5	30.0
Vinyl chloride	Ave	0.6474	0.4951		7.65	10.0	-23.5	30.0
1,3-Butadiene	Ave	0.4221	0.3339		7.91	10.0	-20.9	30.0
Bromomethane	Ave	0.8427	0.6939		8.23	10.0	-17.7	30.0
Chloroethane	Ave	0.2775	0.2350		8.47	10.0	-15.3	30.0
Isopentane	Ave	0.4748	0.3981		8.38	10.0	-16.2	30.0
Bromoethene(Vinyl Bromide)	Ave	1.033	0.8790		8.51	10.0	-14.9	30.0
Trichlorofluoromethane	Ave	3.192	2.618		8.20	10.0	-18.0	30.0
n-Pentane	Ave	0.7211	0.6838		9.48	10.0	-5.2	30.0
Ethanol	Ave	0.1583	0.1389		13.2	15.0	-12.3	30.0
Ethyl ether	Ave	0.3903	0.3686		9.44	10.0	-5.6	30.0
Acrolein	Ave	0.1760	0.1731		9.83	10.0	-1.7	30.0
Freon TF	Ave	1.926	1.657		8.60	10.0	-14.0	30.0
1,1-Dichloroethene	Ave	0.8770	0.7547		8.60	10.0	-13.9	30.0
Acetone	Ave	0.7425	0.6207		8.36	10.0	-16.4	30.0
Carbon disulfide	Ave	1.832	1.859		10.1	10.0	1.5	30.0
Isopropyl alcohol	Ave	0.5450	0.4471		8.20	10.0	-18.0	30.0
3-Chloropropene	Ave	0.5807	0.4558		7.85	10.0	-21.5	30.0
Acetonitrile	Ave	0.2661	0.2625		9.86	10.0	-1.4	30.0
Methylene Chloride	Ave	0.5364	0.4605		8.58	10.0	-14.1	30.0
tert-Butyl alcohol	Ave	1.033	0.8670		8.39	10.0	-16.0	30.0
Methyl tert-butyl ether	Ave	2.232	1.909		8.55	10.0	-14.5	30.0
trans-1,2-Dichloroethene	Ave	0.8935	0.8086		9.05	10.0	-9.5	30.0
Acrylonitrile	Ave	0.3373	0.3246		9.62	10.0	-3.8	30.0
n-Hexane	Ave	0.8515	0.7719		9.06	10.0	-9.4	30.0
1,1-Dichloroethane	Ave	1.275	1.047		8.21	10.0	-17.9	30.0
Vinyl acetate	Ave	1.266	1.105		8.73	10.0	-12.7	30.0
cis-1,2-Dichloroethene	Ave	1.131	0.9796		8.66	10.0	-13.4	30.0
Methyl Ethyl Ketone	Ave	0.4221	0.3552		8.41	10.0	-15.9	30.0
Ethyl acetate	Ave	0.0766	0.0781		10.2	10.0	1.9	30.0
Tetrahydrofuran	Ave	0.1007	0.0917		9.11	10.0	-8.9	30.0
Chloroform	Ave	2.347	2.038		8.68	10.0	-13.2	30.0
Cyclohexane	Ave	0.2591	0.2216		8.55	10.0	-14.5	30.0
1,1,1-Trichloroethane	Ave	0.5558	0.4674		8.41	10.0	-15.9	30.0
Carbon tetrachloride	Ave	0.6775	0.5587		8.25	10.0	-17.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Lab Sample ID: ICV 200-69583/13 Calibration Date: 03/18/2014 19:09

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6584_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7063	0.5934		8.40	10.0	-16.0	30.0
Benzene	Ave	0.5935	0.5053		8.51	10.0	-14.9	30.0
1,2-Dichloroethane	Ave	0.2755	0.2247		8.15	10.0	-18.4	30.0
n-Heptane	Ave	0.2309	0.1879		8.14	10.0	-18.6	30.0
n-Butanol	Ave	0.0730	0.0674		9.24	10.0	-7.6	30.0
Trichloroethene	Ave	0.3644	0.3095		8.49	10.0	-15.1	30.0
1,2-Dichloropropane	Ave	0.2073	0.1748		8.43	10.0	-15.7	30.0
Methyl methacrylate	Ave	0.2148	0.2008		9.35	10.0	-6.5	30.0
1,4-Dioxane	Ave	0.1040	0.0965		9.27	10.0	-7.2	30.0
Dibromomethane	Ave	0.4782	0.4314		9.02	10.0	-9.8	30.0
Bromodichloromethane	Ave	0.5900	0.4964		8.41	10.0	-15.9	30.0
cis-1,3-Dichloropropene	Ave	0.3783	0.3367		8.90	10.0	-11.0	30.0
methyl isobutyl ketone	Ave	0.3319	0.2866		8.63	10.0	-13.7	30.0
Toluene	Ave	0.5698	0.5091		8.93	10.0	-10.6	30.0
n-Octane	Ave	0.3778	0.3081		8.15	10.0	-18.4	30.0
trans-1,3-Dichloropropene	Ave	0.4400	0.3679		8.36	10.0	-16.4	30.0
1,1,2-Trichloroethane	Ave	0.2515	0.2217		8.81	10.0	-11.9	30.0
Tetrachloroethene	Ave	0.7342	0.6571		8.95	10.0	-10.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3229	0.2809		8.70	10.0	-13.0	30.0
Dibromochloromethane	Ave	0.7776	0.6736		8.66	10.0	-13.4	30.0
1,2-Dibromoethane	Ave	0.5898	0.5286		8.96	10.0	-10.4	30.0
Chlorobenzene	Ave	0.9095	0.7982		8.77	10.0	-12.2	30.0
Ethylbenzene	Ave	1.345	1.150		8.55	10.0	-14.5	30.0
n-Nonane	Ave	0.4307	0.3597		8.35	10.0	-16.5	30.0
m,p-Xylene	Ave	0.5802	0.5139		17.7	20.0	-11.4	30.0
Xylene, o-	Ave	0.5671	0.4937		8.70	10.0	-12.9	30.0
Styrene	Ave	0.8767	0.7827		8.93	10.0	-10.7	30.0
Bromoform	Ave	0.8979	0.8014		8.92	10.0	-10.8	30.0
Cumene	Ave	1.682	1.466		8.71	10.0	-12.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6820	0.5898		8.65	10.0	-13.5	30.0
n-Propylbenzene	Ave	1.846	1.575		8.53	10.0	-14.7	30.0
1,2,3-Trichloropropane	Ave	0.5078	0.4396		8.66	10.0	-13.4	30.0
n-Decane	Ave	0.5136	0.4530		8.82	10.0	-11.8	30.0
4-Ethyltoluene	Ave	1.692	1.493		8.82	10.0	-11.8	30.0
2-Chlorotoluene	Ave	1.323	1.105		8.35	10.0	-16.5	30.0
1,3,5-Trimethylbenzene	Ave	1.498	1.277		8.53	10.0	-14.7	30.0
Alpha Methyl Styrene	Ave	0.7556	0.7036		9.31	10.0	-6.9	30.0
tert-Butylbenzene	Ave	1.528	1.319		8.63	10.0	-13.7	30.0
1,2,4-Trimethylbenzene	Ave	1.526	1.279		8.38	10.0	-16.2	30.0
sec-Butylbenzene	Ave	2.067	1.810		8.75	10.0	-12.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Lab Sample ID: ICV 200-69583/13 Calibration Date: 03/18/2014 19:09

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6584_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.945	1.700		8.74	10.0	-12.6	30.0
1,3-Dichlorobenzene	Ave	1.263	1.093		8.66	10.0	-13.4	30.0
1,4-Dichlorobenzene	Ave	1.268	1.093		8.62	10.0	-13.8	30.0
Benzyl chloride	Ave	1.250	1.019		8.15	10.0	-18.5	30.0
n-Butylbenzene	Ave	1.465	1.229		8.39	10.0	-16.1	30.0
n-Undecane	Ave	0.5065	0.4870		9.61	10.0	-3.8	30.0
1,2-Dichlorobenzene	Ave	1.203	1.029		8.55	10.0	-14.4	30.0
n-Dodecane	Ave	0.4140	0.3932		9.49	10.0	-5.0	30.0
1,2,4-Trichlorobenzene	Ave	0.9580	0.8525		8.90	10.0	-11.0	30.0
Hexachlorobutadiene	Ave	0.8855	0.7759		8.76	10.0	-12.4	30.0
Naphthalene	Ave	1.818	1.527		8.40	10.0	-16.0	30.0
1,2,3-Trichlorobenzene	Ave	0.8287	0.7404		8.93	10.0	-10.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Lab Sample ID: CCVIS 200-70021/2 Calibration Date: 03/28/2014 10:30

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6759_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.3474	0.3522		10.1	10.0	1.4	30.0
Dichlorodifluoromethane	Ave	2.576	2.815		10.9	10.0	9.3	30.0
Freon 22	Ave	0.8659	0.9433		10.9	10.0	8.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.252	2.295		10.2	10.0	1.9	30.0
Chloromethane	Ave	0.4260	0.4507		10.6	10.0	5.8	30.0
n-Butane	Ave	0.6804	0.6989		10.3	10.0	2.7	30.0
Vinyl chloride	Ave	0.6474	0.6207		9.59	10.0	-4.1	30.0
1,3-Butadiene	Ave	0.4221	0.4334		10.3	10.0	2.7	30.0
Bromomethane	Ave	0.8427	0.8300		9.85	10.0	-1.5	30.0
Chloroethane	Ave	0.2775	0.2900		10.4	10.0	4.5	30.0
Isopentane	Ave	0.4748	0.4365		9.19	10.0	-8.1	30.0
Bromoethene(Vinyl Bromide)	Ave	1.033	1.016		9.84	10.0	-1.6	30.0
Trichlorofluoromethane	Ave	3.192	3.046		9.54	10.0	-4.6	30.0
n-Pentane	Ave	0.7211	0.7098		9.84	10.0	-1.6	30.0
Ethanol	Ave	0.1583	0.1978		18.9	15.0	25.0	30.0
Ethyl ether	Ave	0.3903	0.3868		9.91	10.0	-0.9	30.0
Acrolein	Ave	0.1760	0.1762		11.2	10.0	0.1	30.0
Freon TF	Ave	1.926	1.851		9.61	10.0	-3.9	30.0
1,1-Dichloroethene	Ave	0.8770	0.8626		9.83	10.0	-1.6	30.0
Acetone	Ave	0.7425	0.8333		11.2	10.0	12.2	30.0
Carbon disulfide	Ave	1.832	1.865		10.2	10.0	1.8	30.0
Isopropyl alcohol	Ave	0.5450	0.5468		10.0	10.0	0.3	30.0
3-Chloropropene	Ave	0.5807	0.5511		9.49	10.0	-5.1	30.0
Acetonitrile	Ave	0.2661	0.2655		9.97	10.0	-0.3	30.0
Methylene Chloride	Ave	0.5364	0.5251		9.79	10.0	-2.1	30.0
tert-Butyl alcohol	Ave	1.033	1.058		10.2	10.0	2.4	30.0
Methyl tert-butyl ether	Ave	2.232	2.192		9.82	10.0	-1.8	30.0
trans-1,2-Dichloroethene	Ave	0.8935	0.8793		9.84	10.0	-1.6	30.0
Acrylonitrile	Ave	0.3373	0.3415		10.1	10.0	1.3	30.0
n-Hexane	Ave	0.8515	0.8084		9.49	10.0	-5.1	30.0
1,1-Dichloroethane	Ave	1.275	1.185		9.29	10.0	-7.1	30.0
Vinyl acetate	Ave	1.266	1.278		10.1	10.0	1.0	30.0
cis-1,2-Dichloroethene	Ave	1.131	1.075		9.51	10.0	-4.9	30.0
Methyl Ethyl Ketone	Ave	0.4221	0.3936		9.32	10.0	-6.7	30.0
Ethyl acetate	Ave	0.0766	0.0759		9.90	10.0	-0.9	30.0
Tetrahydrofuran	Ave	0.1007	0.1042		9.05	10.0	3.6	30.0
Chloroform	Ave	2.347	2.258		9.62	10.0	-3.8	30.0
Cyclohexane	Ave	0.2591	0.2471		9.53	10.0	-4.7	30.0
1,1,1-Trichloroethane	Ave	0.5558	0.5306		9.55	10.0	-4.5	30.0
Carbon tetrachloride	Ave	0.6775	0.6278		9.26	10.0	-7.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Lab Sample ID: CCVIS 200-70021/2 Calibration Date: 03/28/2014 10:30

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6759_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7063	0.6900		9.77	10.0	-2.3	30.0
Benzene	Ave	0.5935	0.5682		9.57	10.0	-4.3	30.0
1,2-Dichloroethane	Ave	0.2755	0.2697		9.79	10.0	-2.1	30.0
n-Heptane	Ave	0.2309	0.2247		9.73	10.0	-2.7	30.0
n-Butanol	Ave	0.0730	0.0730		9.99	10.0	-0.0	30.0
Trichloroethene	Ave	0.3644	0.3346		9.18	10.0	-8.2	30.0
1,2-Dichloropropane	Ave	0.2073	0.2046		9.87	10.0	-1.3	30.0
Methyl methacrylate	Ave	0.2148	0.2176		10.1	10.0	1.3	30.0
1,4-Dioxane	Ave	0.1040	0.1041		10.0	10.0	0.2	30.0
Dibromomethane	Ave	0.4782	0.4174		8.73	10.0	-12.7	30.0
Bromodichloromethane	Ave	0.5900	0.5736		9.72	10.0	-2.8	30.0
cis-1,3-Dichloropropene	Ave	0.3783	0.3756		9.93	10.0	-0.7	30.0
methyl isobutyl ketone	Ave	0.3319	0.3485		10.5	10.0	5.0	30.0
Toluene	Ave	0.5698	0.5330		9.35	10.0	-6.5	30.0
n-Octane	Ave	0.3778	0.3749		9.92	10.0	-0.7	30.0
trans-1,3-Dichloropropene	Ave	0.4400	0.4228		9.61	10.0	-3.9	30.0
1,1,2-Trichloroethane	Ave	0.2515	0.2415		9.60	10.0	-4.0	30.0
Tetrachloroethene	Ave	0.7342	0.6282		8.55	10.0	-14.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3229	0.3302		10.2	10.0	2.3	30.0
Dibromochloromethane	Ave	0.7776	0.7226		9.29	10.0	-7.1	30.0
1,2-Dibromoethane	Ave	0.5898	0.5462		9.26	10.0	-7.4	30.0
Chlorobenzene	Ave	0.9095	0.8272		9.09	10.0	-9.0	30.0
Ethylbenzene	Ave	1.345	1.255		9.34	10.0	-6.6	30.0
n-Nonane	Ave	0.4307	0.4177		9.70	10.0	-3.0	30.0
m,p-Xylene	Ave	0.5802	0.5481		18.9	20.0	-5.5	30.0
Xylene, o-	Ave	0.5671	0.5363		9.45	10.0	-5.4	30.0
Styrene	Ave	0.8767	0.8283		9.45	10.0	-5.5	30.0
Bromoform	Ave	0.8979	0.8443		9.40	10.0	-6.0	30.0
Cumene	Ave	1.682	1.615		9.60	10.0	-4.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6820	0.6607		9.69	10.0	-3.1	30.0
n-Propylbenzene	Ave	1.846	1.805		9.78	10.0	-2.2	30.0
1,2,3-Trichloropropane	Ave	0.5078	0.5198		10.2	10.0	2.4	30.0
n-Decane	Ave	0.5136	0.5424		10.6	10.0	5.6	30.0
4-Ethyltoluene	Ave	1.692	1.656		9.79	10.0	-2.1	30.0
2-Chlorotoluene	Ave	1.323	1.292		9.76	10.0	-2.4	30.0
1,3,5-Trimethylbenzene	Ave	1.498	1.421		9.48	10.0	-5.2	30.0
Alpha Methyl Styrene	Ave	0.7556	0.6866		9.08	10.0	-9.1	30.0
tert-Butylbenzene	Ave	1.528	1.459		9.54	10.0	-4.6	30.0
1,2,4-Trimethylbenzene	Ave	1.526	1.455		9.53	10.0	-4.7	30.0
sec-Butylbenzene	Ave	2.067	2.055		9.94	10.0	-0.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Lab Sample ID: CCVIS 200-70021/2 Calibration Date: 03/28/2014 10:30

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6759_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.945	1.901		9.77	10.0	-2.3	30.0
1,3-Dichlorobenzene	Ave	1.263	1.186		9.39	10.0	-6.1	30.0
1,4-Dichlorobenzene	Ave	1.268	1.188		9.37	10.0	-6.3	30.0
Benzyl chloride	Ave	1.250	1.308		10.5	10.0	4.7	30.0
n-Butylbenzene	Ave	1.465	1.455		9.93	10.0	-0.7	30.0
n-Undecane	Ave	0.5065	0.5677		10.5	10.0	12.1	30.0
1,2-Dichlorobenzene	Ave	1.203	1.126		9.36	10.0	-6.4	30.0
n-Dodecane	Ave	0.4140	0.4417		10.7	10.0	6.7	30.0
1,2,4-Trichlorobenzene	Ave	0.9580	0.9391		9.80	10.0	-2.0	30.0
Hexachlorobutadiene	Ave	0.8855	0.8231		9.29	10.0	-7.0	30.0
Naphthalene	Ave	1.818	1.836		10.1	10.0	1.0	30.0
1,2,3-Trichlorobenzene	Ave	0.8287	0.8294		10.0	10.0	0.0	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Instrument ID: CHG.i Start Date: 02/20/2014 12:20

Analysis Batch Number: 68619 End Date: 02/21/2014 02:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-68619/1		02/20/2014 12:20	1	6246_001.D	RTX-624 0.32(mm)
VIBLK 200-68619/2		02/20/2014 13:17	1		RTX-624 0.32(mm)
ZZZZZ		02/20/2014 14:04	1		RTX-624 0.32(mm)
ZZZZZ		02/20/2014 14:51	1		RTX-624 0.32(mm)
VIBLK 200-68619/5		02/20/2014 15:38	1		RTX-624 0.32(mm)
IC 200-68619/6		02/20/2014 16:25	1	6246_006.D	RTX-624 0.32(mm)
IC 200-68619/7		02/20/2014 17:12	1	6246_007.D	RTX-624 0.32(mm)
IC 200-68619/8		02/20/2014 17:59	1	6246_008.D	RTX-624 0.32(mm)
IC 200-68619/9		02/20/2014 18:46	1	6246_009.D	RTX-624 0.32(mm)
ICIS 200-68619/10		02/20/2014 19:33	1	6246_010.D	RTX-624 0.32(mm)
IC 200-68619/11		02/20/2014 20:20	1	6246_011.D	RTX-624 0.32(mm)
IC 200-68619/12		02/20/2014 21:07	1	6246_012.D	RTX-624 0.32(mm)
IC 200-68619/13		02/20/2014 21:54	1	6246_013.D	RTX-624 0.32(mm)
VIBLK 200-68619/14		02/20/2014 22:41	1		RTX-624 0.32(mm)
VIBLK 200-68619/15		02/20/2014 23:28	1		RTX-624 0.32(mm)
ICV 200-68619/16		02/21/2014 00:15	1	6246_016.D	RTX-624 0.32(mm)
VIBLK 200-68619/17		02/21/2014 01:02	1		RTX-624 0.32(mm)
ZZZZZ		02/21/2014 01:49	1		RTX-624 0.32(mm)
ZZZZZ		02/21/2014 02:36	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-21318-1

SDG No.:

Instrument ID: CHG.i Start Date: 03/12/2014 09:06

Analysis Batch Number: 69419 End Date: 03/13/2014 04:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-69419/1		03/12/2014 09:06	1	6528_001.D	RTX-624 0.32(mm)
CCVIS 200-69419/2		03/12/2014 09:49	1	6528_002.D	RTX-624 0.32(mm)
LCS 200-69419/3		03/12/2014 10:36	1	6528_003.D	RTX-624 0.32(mm)
MB 200-69419/4		03/12/2014 11:24	1	6528_004.D	RTX-624 0.32(mm)
ZZZZZ		03/12/2014 12:11	10		RTX-624 0.32(mm)
ZZZZZ		03/12/2014 12:58	10		RTX-624 0.32(mm)
ZZZZZ		03/12/2014 13:45	10		RTX-624 0.32(mm)
ZZZZZ		03/12/2014 14:32	10		RTX-624 0.32(mm)
ZZZZZ		03/12/2014 15:19	10		RTX-624 0.32(mm)
ZZZZZ		03/12/2014 16:06	1		RTX-624 0.32(mm)
ZZZZZ		03/12/2014 16:53	34.8		RTX-624 0.32(mm)
ZZZZZ		03/12/2014 17:40	84.1		RTX-624 0.32(mm)
ZZZZZ		03/12/2014 18:27	10		RTX-624 0.32(mm)
ZZZZZ		03/12/2014 19:14	10		RTX-624 0.32(mm)
ZZZZZ		03/12/2014 20:01	10		RTX-624 0.32(mm)
ZZZZZ		03/12/2014 20:48	10		RTX-624 0.32(mm)
ZZZZZ		03/12/2014 21:35	10		RTX-624 0.32(mm)
ZZZZZ		03/12/2014 22:22	10		RTX-624 0.32(mm)
ZZZZZ		03/12/2014 23:09	50.2		RTX-624 0.32(mm)
ZZZZZ		03/12/2014 23:56	1		RTX-624 0.32(mm)
ZZZZZ		03/13/2014 00:43	1		RTX-624 0.32(mm)
ZZZZZ		03/13/2014 01:30	1		RTX-624 0.32(mm)
ZZZZZ		03/13/2014 02:18	3.03		RTX-624 0.32(mm)
ZZZZZ		03/13/2014 03:05	1		RTX-624 0.32(mm)
200-21318-7	2594	03/13/2014 04:02	0.2	6528_025.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Instrument ID: CHC.i Start Date: 03/18/2014 07:56

Analysis Batch Number: 69583 End Date: 03/19/2014 07:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-69583/1		03/18/2014 07:56	1	6584_01.D	RTX-624 0.32(mm)
VIBLK 200-69583/2		03/18/2014 08:50	1		RTX-624 0.32(mm)
IC 200-69583/3		03/18/2014 09:42	1	6584_03.D	RTX-624 0.32(mm)
IC 200-69583/4		03/18/2014 10:34	1	6584_04.D	RTX-624 0.32(mm)
ZZZZZ		03/18/2014 11:26	1		RTX-624 0.32(mm)
IC 200-69583/6		03/18/2014 12:18	1	6584_06.D	RTX-624 0.32(mm)
ICIS 200-69583/7		03/18/2014 13:10	1	6584_07.D	RTX-624 0.32(mm)
IC 200-69583/8		03/18/2014 14:03	1	6584_08.D	RTX-624 0.32(mm)
IC 200-69583/17		03/18/2014 14:55	1	6584_17.D	RTX-624 0.32(mm)
IC 200-69583/9		03/18/2014 15:47	1	6584_09.D	RTX-624 0.32(mm)
IC 200-69583/10		03/18/2014 16:40	1	6584_10.D	RTX-624 0.32(mm)
VIBLK 200-69583/11		03/18/2014 17:25	1		RTX-624 0.32(mm)
VIBLK 200-69583/12		03/18/2014 18:17	1		RTX-624 0.32(mm)
ICV 200-69583/13		03/18/2014 19:09	1	6584_13.D	RTX-624 0.32(mm)
VIBLK 200-69583/14		03/18/2014 20:01	1		RTX-624 0.32(mm)
ZZZZZ		03/18/2014 20:53	1		RTX-624 0.32(mm)
ZZZZZ		03/18/2014 21:44	1		RTX-624 0.32(mm)
ZZZZZ		03/18/2014 22:43	0.2		RTX-624 0.32(mm)
ZZZZZ		03/18/2014 23:42	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 00:40	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 01:39	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 02:37	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 03:36	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 04:34	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 05:32	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 06:30	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 07:29	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-21519-1

SDG No.:

Instrument ID: CHC.i Start Date: 03/25/2014 09:01

Analysis Batch Number: 69859 End Date: 03/26/2014 08:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-69859/1		03/25/2014 09:01	1	6688_01.D	RTX-624 0.32(mm)
CCVIS 200-69859/2		03/25/2014 09:52	1	6688_02.D	RTX-624 0.32(mm)
LCS 200-69859/3		03/25/2014 10:44	1	6688_03.D	RTX-624 0.32(mm)
MB 200-69859/4		03/25/2014 11:36	1	6688_04.D	RTX-624 0.32(mm)
ZZZZZ		03/25/2014 12:35	0.2		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 13:27	1		RTX-624 0.32(mm)
200-21519-8	4580	03/25/2014 14:26	0.2	6688_07.D	RTX-624 0.32(mm)
ZZZZZ		03/25/2014 15:18	1		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 16:10	1		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 17:03	10		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 17:55	10		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 18:48	9.97		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 19:40	31.1		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 20:32	9.98		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 21:24	20		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 22:16	9.09		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 23:08	9.09		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 00:01	2		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 00:52	2		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 01:44	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 02:36	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 03:28	1.5		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 04:20	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 05:12	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 06:05	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 06:56	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 07:49	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 08:40	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Instrument ID: CHW.i Start Date: 02/11/2014 16:00

Analysis Batch Number: 68234 End Date: 02/12/2014 03:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-68234/1		02/11/2014 16:00	1	6099_001.d	RTX-624 0.32(mm)
VIBLK 200-68234/2		02/11/2014 17:33	1		RTX-624 0.32(mm)
VIBLK 200-68234/3		02/11/2014 18:24	1		RTX-624 0.32(mm)
IC 200-68234/4		02/11/2014 19:12	1	6101_004.d	RTX-624 0.32(mm)
ZZZZZ		02/11/2014 19:12	1		RTX-624 0.32(mm)
IC 200-68234/5		02/11/2014 20:02	1	6101_005.d	RTX-624 0.32(mm)
IC 200-68234/6		02/11/2014 20:50	1	6101_006.d	RTX-624 0.32(mm)
IC 200-68234/7		02/11/2014 21:39	1	6101_007.d	RTX-624 0.32(mm)
ICIS 200-68234/8		02/11/2014 22:30	1	6101_008.d	RTX-624 0.32(mm)
IC 200-68234/9		02/11/2014 23:18	1	6101_009.d	RTX-624 0.32(mm)
IC 200-68234/10		02/12/2014 00:07	1	6101_010.d	RTX-624 0.32(mm)
IC 200-68234/11		02/12/2014 00:55	1	6101_011.d	RTX-624 0.32(mm)
VIBLK 200-68234/12		02/12/2014 01:43	1		RTX-624 0.32(mm)
VIBLK 200-68234/13		02/12/2014 02:32	1		RTX-624 0.32(mm)
ICV 200-68234/14		02/12/2014 03:20	1	6101_014.d	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-21533-1

SDG No.:

Instrument ID: CHW.i Start Date: 03/27/2014 10:39

Analysis Batch Number: 69997 End Date: 03/28/2014 09:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-69997/1		03/27/2014 10:39	1	6739_001.d	RTX-624 0.32(mm)
CCVIS 200-69997/2		03/27/2014 11:29	1	6739_002.d	RTX-624 0.32(mm)
LCS 200-69997/3		03/27/2014 12:18	1	6739_003.d	RTX-624 0.32(mm)
MB 200-69997/4		03/27/2014 13:14	1	6739_004.d	RTX-624 0.32(mm)
200-21533-9	2845	03/27/2014 14:22	0.2	6739_005.d	RTX-624 0.32(mm)
ZZZZZ		03/27/2014 15:30	0.2		RTX-624 0.32(mm)
ZZZZZ		03/27/2014 16:20	1		RTX-624 0.32(mm)
ZZZZZ		03/27/2014 17:10	1		RTX-624 0.32(mm)
ZZZZZ		03/27/2014 18:01	1		RTX-624 0.32(mm)
ZZZZZ		03/27/2014 18:51	1		RTX-624 0.32(mm)
ZZZZZ		03/27/2014 19:43	1		RTX-624 0.32(mm)
ZZZZZ		03/27/2014 20:33	1		RTX-624 0.32(mm)
ZZZZZ		03/27/2014 21:23	1		RTX-624 0.32(mm)
ZZZZZ		03/27/2014 22:15	1		RTX-624 0.32(mm)
ZZZZZ		03/27/2014 23:05	1		RTX-624 0.32(mm)
ZZZZZ		03/27/2014 23:55	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 00:46	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 01:37	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 02:28	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 03:17	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 04:08	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 05:01	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 05:51	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 06:42	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 08:41	0.2		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 09:29	2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Instrument ID: CHB.i Start Date: 03/14/2014 10:21

Analysis Batch Number: 69511 End Date: 03/15/2014 04:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-69511/1		03/14/2014 10:21	1	6557_001.D	RTX-624 0.32(mm)
VIBLK 200-69511/2		03/14/2014 11:18	1		RTX-624 0.32(mm)
IC 200-69511/3		03/14/2014 12:11	1	6557_003.D	RTX-624 0.32(mm)
IC 200-69511/4		03/14/2014 13:03	1	6557_004.D	RTX-624 0.32(mm)
IC 200-69511/5		03/14/2014 13:55	1	6557_005.D	RTX-624 0.32(mm)
IC 200-69511/6		03/14/2014 14:47	1	6557_006.D	RTX-624 0.32(mm)
ICIS 200-69511/7		03/14/2014 15:39	1	6557_007.D	RTX-624 0.32(mm)
IC 200-69511/8		03/14/2014 16:31	1	6557_008.D	RTX-624 0.32(mm)
IC 200-69511/9		03/14/2014 17:24	1	6557_009.D	RTX-624 0.32(mm)
IC 200-69511/10		03/14/2014 18:16	1	6557_010.D	RTX-624 0.32(mm)
VIBLK 200-69511/11		03/14/2014 19:08	1		RTX-624 0.32(mm)
VIBLK 200-69511/12		03/14/2014 20:01	1		RTX-624 0.32(mm)
ICV 200-69511/13		03/14/2014 20:54	1	6557_013.D	RTX-624 0.32(mm)
VIBLK 200-69511/14		03/14/2014 21:46	1		RTX-624 0.32(mm)
ZZZZZ		03/14/2014 22:39	1		RTX-624 0.32(mm)
ZZZZZ		03/14/2014 23:31	1		RTX-624 0.32(mm)
ZZZZZ		03/15/2014 00:30	0.2		RTX-624 0.32(mm)
ZZZZZ		03/15/2014 01:29	0.2		RTX-624 0.32(mm)
ZZZZZ		03/15/2014 02:28	0.2		RTX-624 0.32(mm)
ZZZZZ		03/15/2014 03:27	0.2		RTX-624 0.32(mm)
ZZZZZ		03/15/2014 04:26	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-21537-1

SDG No.:

Instrument ID: CHB.i Start Date: 03/25/2014 10:41

Analysis Batch Number: 69867 End Date: 03/26/2014 09:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-69867/1		03/25/2014 10:41	1	6692_001.D	RTX-624 0.32(mm)
CCVIS 200-69867/2		03/25/2014 11:31	1	6692_002.D	RTX-624 0.32(mm)
LCS 200-69867/3		03/25/2014 12:23	1	6692_003.D	RTX-624 0.32(mm)
MB 200-69867/4		03/25/2014 13:15	1	6692_004.D	RTX-624 0.32(mm)
ZZZZZ		03/25/2014 14:08	10		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 15:00	10		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 15:52	10		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 16:44	10		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 17:37	10		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 18:30	10		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 19:22	64.3		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 20:15	2.99		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 21:07	1.5		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 21:59	1		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 22:50	1		RTX-624 0.32(mm)
ZZZZZ		03/25/2014 23:43	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 00:35	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 01:27	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 02:20	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 03:12	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 04:04	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 04:56	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 05:48	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 06:40	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 08:02	2		RTX-624 0.32(mm)
ZZZZZ		03/26/2014 08:54	2.5		RTX-624 0.32(mm)
200-21537-4	3328	03/26/2014 09:53	0.2	6692_028.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Instrument ID: CHC.i Start Date: 03/18/2014 07:56

Analysis Batch Number: 69583 End Date: 03/19/2014 07:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-69583/1		03/18/2014 07:56	1	6584_01.D	RTX-624 0.32(mm)
VIBLK 200-69583/2		03/18/2014 08:50	1		RTX-624 0.32(mm)
IC 200-69583/3		03/18/2014 09:42	1	6584_03.D	RTX-624 0.32(mm)
IC 200-69583/4		03/18/2014 10:34	1	6584_04.D	RTX-624 0.32(mm)
ZZZZZ		03/18/2014 11:26	1		RTX-624 0.32(mm)
IC 200-69583/6		03/18/2014 12:18	1	6584_06.D	RTX-624 0.32(mm)
ICIS 200-69583/7		03/18/2014 13:10	1	6584_07.D	RTX-624 0.32(mm)
IC 200-69583/8		03/18/2014 14:03	1	6584_08.D	RTX-624 0.32(mm)
IC 200-69583/17		03/18/2014 14:55	1	6584_17.D	RTX-624 0.32(mm)
IC 200-69583/9		03/18/2014 15:47	1	6584_09.D	RTX-624 0.32(mm)
IC 200-69583/10		03/18/2014 16:40	1	6584_10.D	RTX-624 0.32(mm)
VIBLK 200-69583/11		03/18/2014 17:25	1		RTX-624 0.32(mm)
VIBLK 200-69583/12		03/18/2014 18:17	1		RTX-624 0.32(mm)
ICV 200-69583/13		03/18/2014 19:09	1	6584_13.D	RTX-624 0.32(mm)
VIBLK 200-69583/14		03/18/2014 20:01	1		RTX-624 0.32(mm)
ZZZZZ		03/18/2014 20:53	1		RTX-624 0.32(mm)
ZZZZZ		03/18/2014 21:44	1		RTX-624 0.32(mm)
ZZZZZ		03/18/2014 22:43	0.2		RTX-624 0.32(mm)
ZZZZZ		03/18/2014 23:42	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 00:40	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 01:39	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 02:37	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 03:36	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 04:34	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 05:32	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 06:30	0.2		RTX-624 0.32(mm)
ZZZZZ		03/19/2014 07:29	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-21554-1

SDG No.:

Instrument ID: CHC.i Start Date: 03/28/2014 09:42

Analysis Batch Number: 70021 End Date: 03/29/2014 07:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-70021/1		03/28/2014 09:42	1	6759_01.D	RTX-624 0.32(mm)
CCVIS 200-70021/2		03/28/2014 10:30	1	6759_02.D	RTX-624 0.32(mm)
LCS 200-70021/3		03/28/2014 11:22	1	6759_03.D	RTX-624 0.32(mm)
MB 200-70021/4		03/28/2014 12:14	1	6759_04.D	RTX-624 0.32(mm)
200-21554-9	4373	03/28/2014 13:13	0.2	6759_05.D	RTX-624 0.32(mm)
ZZZZZ		03/28/2014 14:11	0.2		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 15:02	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 15:55	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 16:47	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 17:39	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 18:31	10		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 19:23	10		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 20:15	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 21:08	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 21:59	10		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 22:51	10		RTX-624 0.32(mm)
ZZZZZ		03/28/2014 23:44	10		RTX-624 0.32(mm)
ZZZZZ		03/29/2014 00:36	10		RTX-624 0.32(mm)
ZZZZZ		03/29/2014 01:28	10		RTX-624 0.32(mm)
ZZZZZ		03/29/2014 02:20	10		RTX-624 0.32(mm)
ZZZZZ		03/29/2014 03:12	10		RTX-624 0.32(mm)
ZZZZZ		03/29/2014 04:04	10		RTX-624 0.32(mm)
ZZZZZ		03/29/2014 04:56	10		RTX-624 0.32(mm)
ZZZZZ		03/29/2014 05:48	10		RTX-624 0.32(mm)
ZZZZZ		03/29/2014 06:46	0.2		RTX-624 0.32(mm)
ZZZZZ		03/29/2014 07:38	1.5		RTX-624 0.32(mm)

Shipping and Receiving Documents

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Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

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Project Manager: Bob Mahoney
Phone: (585) 413 - 5301
Email: robert.mahoney@stantec.com
Site Contact: Will Armington
TA Contact: ~~Ryan VanDette~~ Don Dawicki

Analysis Turnaround Time
Standard (Specify) 10
Rush (Specify)

Samples Collected By: Will Armington, Ben Harantch

1 of 3 COCs

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
GCTS Pre Carbon	4/4/14	0940	Grab	-31	-7	5516	5128	X											X
GCTS Post Carbon	4/4/14	0926	Grab	-31	-7		4807	X											X
GCTS mid Carbon	4/4/14	0930	Grab	-31	-6		2720	X											X
SDS-3	4/4/14	1445	Grab	-32	-6		2533	X											X
SDS-1	4/4/14	1455	Grab	-30.5	-7		4789	X											X
SDS-2	4/4/14	1515	Grab	-30	-7		5092	X											X

Notes: Sub-slab samples

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

200-21727 COC

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by: [signature] 4/5/14 1010 TABVL
Samples Relinquished by: William Armington	Date/Time: 4/4/14 1550	Received by: RENG/IIH, SGR
Relinquished by: RENG/IIH	Date/Time: 4-4-14, 19:00	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Bob Mahoney	**Samples Collected By:** WA/BH	2 of 3 COCs
Company: Stantec	Phone: (585) 413-5301		
Address: 61 Commercial St Suite 100	Email: robert.mahoney@stantec.com		
City/State/Zip Rochester, NY 14614			
Phone: (585) 475-1440	Site Contact: Will Armington		
FAX:	TA Contact: ~~Ryan VanDette~~ Don Lawicki		
Project Name: LMC Utica, NY	**Analysis Turnaround Time**		
Site: 525 French Road	Standard (Specify) 10		
PO # 19050800	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SDS-4	4/4/2014	1405	Grab	-30	-6	5516	5454	X											X
SDS-7	4/4/14	1530	Grab	-30	-7	↓	5639	X											X
SDS-6	4/4/14	1540	Grab	-30	-7		5721	X											X
SDS-5	4/4/14	1550	Grab	-30	-6		2508	X											X
SDS-8	4/4/14	1525	Grab	-30	-6		5057	X											X
SSDS Post Carbon	4/4/14	1135	Grab	-29.9	-6.5		5082	X											X

* Notes: sub-slab samples

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:	4/5/14 1010
Samples Relinquished by: William Armington	Date/Time: 4/4/14 1550	Received by:	4/5/14 SYR
Relinquished by:	Date/Time: 4-4-14, 1900	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Bob Mahoney	**Samples Collected By:** WA / BH	3 of 3 COCs
Company: Stantec	Phone: (585) 413-5301		
Address: 61 Commercial St. Suite 100	Email: robert.mahoney@stantec.com		
City/State/Zip Rochester, NY 14614			
Phone: (585) 475-1440	Site Contact: Will Armington		
FAX:	TA Contact: ~~Ryan VanDelle~~ Don Dawicki		
Project Name: LMC Utica, NY	**Analysis Turnaround Time**		
Site: 525 French Road	Standard (Specify) 10		
PO # 190500800	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SSDS mid carbon	4/4/14	1125	Grab	-30	-7	5516	3712	X											X

Notes: subslab samples

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by: [signature] 4/5/14 1010 TABOR
Samples Relinquished by: William Armington	Date/Time: 4/4/14 1550	Received by: REnglish, SyR
Relinquished by: REnglish	Date/Time: 4-4-14, 1900	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**



SYRACUSE, NY 13211
UNITED STATES US

CAD: 251798/CAFE2704

BILL RECIPIENT

TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: STANTEC 4BOXES

FedEx Express

J131113052301 26

2 of 4
MPS# 5851 0345 0802
Mstr# 5851 0345 0798

SATURDAY 12:00P
PRIORITY OVERNIGHT

0201

XO BTVA

05403
VT-US BTV

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
TESTAMERICA
118 BOSS RD

SYRACUSE, NY 13211
UNITED STATES US

SHIP DATE: 04APR14
ACTWGT: 28.0 LB MAN
CAD: 251798/CAFE2704

BILL RECIPIENT

TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: STANTEC 4BOXES

FedEx Express

J131113052301 26

1 of 4
TRK# 0201 5851 0345 0798
MASTER

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO BTVA

05403
VT-US BTV

518C1/78B9/6F03

IN ID:SYRA (315) 431-0171
SERVICE CENTER
AMERICA
BOSS RD

CUSE, NY 13211
ED STATES US

SHIP DATE: 04APR14
ACTWGT: 28.0 LB MAN
CAD: 251798/CAFE2704

BILL RECIPIENT

MPLE RECEIVING
STAMERICA BURLINGTON
COMMUNITY DRIVE SUITE 11

UTH BURLINGTON VT 05403
660-1990
: STANTEC 4BOXES

FedEx Express

J131113052301 26

4 of 4
5851 0345 0824
5851 0345 0798

SATURDAY 12:00P
PRIORITY OVERNIGHT

0201

) BTVA

05403
VT-US BTV

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
TESTAMERICA
118 BOSS RD

SYRACUSE, NY 13211
UNITED STATES US

SHIP DATE: 04APR14
ACTWGT: 28.0 LB MAN
CAD: 251798/CAFE2704

BILL RECIPIENT

TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: STANTEC 4BOXES

FedEx Express

J131113052301 26

3 of 4
MPS# 0263 5851 0345 0813
Mstr# 5851 0345 0798

SATURDAY 12:00P
PRIORITY OVERNIGHT

0201

XO BTVA

05403
VT-US BTV

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 200-21727-1
SDG Number: 200-21727

Login Number: 21727
List Number: 1
Creator: Marion, Greg T

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	AMBIENT
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 200-23187-1

SDG Number: 200-23187

Job Description: LMC Utica

For:
Stantec Consulting Services Inc
61 Commercial Street
Rochester, NY 14614

Attention: Bob Mahoney



Approved for release.
Don C Dawicki
Manager of Project Management
7/25/2014 8:18 AM

Don C Dawicki, Manager of Project Management
30 Community Drive, South Burlington, VT, 05403
(802)660-1990
don.dawicki@testamericainc.com
07/25/2014

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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CASE NARRATIVE

Client: Stantec Consulting Services Inc

Project: LMC Utica

Report Number: 200-23187-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 07/14/2014; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS

Samples GCTS PRE CARBON, GCTS MID CARBON, GCTS POST CARBON, SSDS MID-CARBON, SSDS EFFLUENT(POST CARBON), SDS-1, SDS-2, SDS-3, SDS-4, SDS-5, SDS-6, SDS-7, SDS-8 and VMP-8C were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 07/17/2014 and 07/18/2014.

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene and Hexachloro-1,3-butadiene were detected in method blank MB 200-75017/4 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Several analytes were detected in method blank MB 200-75073/4 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Samples GCTS PRE CARBON[2X], GCTS MID CARBON[2X], SSDS MID-CARBON[6X], SDS-1[5X], SDS-2[8X], SDS-3[5X], SDS-4[2.5X], SDS-5[5X], SDS-6[8X], SDS-7[1.25X] and SDS-8[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Instrument ID: CHW.i Analysis Batch Number: 73568

Lab Sample ID: IC 200-73568/16 Client Sample ID:

Date Analyzed: 06/14/14 23:41 Lab File ID: 8058_016.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	15.20	Baseline Event	daiglep	06/16/14 09:53

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Instrument ID: CHW.i Analysis Batch Number: 75017

Lab Sample ID: MB 200-75017/4 Client Sample ID:

Date Analyzed: 07/17/14 13:20 Lab File ID: 8602_004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichlorobenzene	24.83	Baseline Event	lyonsb	07/17/14 14:15

Lab Sample ID: 200-23187-10 Client Sample ID: SDS-5

Date Analyzed: 07/17/14 21:36 Lab File ID: 8602_014.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Xylene, o-	21.52	Baseline Event	lyonsb	07/18/14 09:40

Lab Sample ID: 200-23187-11 Client Sample ID: SDS-6

Date Analyzed: 07/17/14 22:25 Lab File ID: 8602_015.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	13.26	Baseline Event	lyonsb	07/18/14 09:41
Benzene	13.98	Baseline Event	lyonsb	07/18/14 09:41

Lab Sample ID: 200-23187-12 Client Sample ID: SDS-7

Date Analyzed: 07/18/14 05:21 Lab File ID: 8602_023.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzene	13.97	Baseline Event	lyonsb	07/18/14 10:02
Toluene	17.64	Baseline Event	lyonsb	07/18/14 10:02
Styrene	21.57	Baseline Event	lyonsb	07/18/14 10:02

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Instrument ID: CHW.i Analysis Batch Number: 75017

Lab Sample ID: 200-23187-1 Client Sample ID: GCTS PRE CARBON

Date Analyzed: 07/18/14 08:01 Lab File ID: 8602_025.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzene	13.96	Baseline Event	lyonsb	07/18/14 10:19
Ethylbenzene	20.59	Baseline Event	lyonsb	07/18/14 10:19
m,p-Xylene	20.80	Baseline Event	lyonsb	07/18/14 10:19

Lab Sample ID: 200-23187-2 Client Sample ID: GCTS MID CARBON

Date Analyzed: 07/18/14 08:48 Lab File ID: 8602_026.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloroethene	18.69	Baseline Event	lyonsb	07/18/14 10:21
Ethylbenzene	20.59	Baseline Event	lyonsb	07/18/14 10:21

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Instrument ID: CHW.i Analysis Batch Number: 75073

Lab Sample ID: 200-23187-14 Client Sample ID: VMP-8C

Date Analyzed: 07/18/14 15:18 Lab File ID: 8625_005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
trans-1,2-Dichloroethene	10.23	Baseline Event	lyonsb	07/21/14 09:25
cis-1,2-Dichloroethene	12.37	Baseline Event	lyonsb	07/21/14 09:25

SAMPLE SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-23187-1	GCTS PRE CARBON	Air	07/10/2014 1025	07/14/2014 0855
200-23187-2	GCTS MID CARBON	Air	07/10/2014 1017	07/14/2014 0855
200-23187-3	GCTS POST CARBON	Air	07/10/2014 1012	07/14/2014 0855
200-23187-4	SSDS MID-CARBON	Air	07/10/2014 1645	07/14/2014 0855
200-23187-5	SSDS EFFLUENT(POST CARBON)	Air	07/10/2014 1641	07/14/2014 0855
200-23187-6	SDS-1	Air	07/10/2014 1525	07/14/2014 0855
200-23187-7	SDS-2	Air	07/10/2014 1534	07/14/2014 0855
200-23187-8	SDS-3	Air	07/10/2014 1555	07/14/2014 0855
200-23187-9	SDS-4	Air	07/10/2014 1543	07/14/2014 0855
200-23187-10	SDS-5	Air	07/10/2014 1507	07/14/2014 0855
200-23187-11	SDS-6	Air	07/10/2014 1500	07/14/2014 0855
200-23187-12	SDS-7	Air	07/10/2014 1445	07/14/2014 0855
200-23187-13	SDS-8	Air	07/10/2014 1440	07/14/2014 0855
200-23187-14	VMP-8C	Air	07/10/2014 1415	07/14/2014 0855

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-23187-1	**GCTS PRE CARBON**					
Freon 12		0.56	J	1.0	ppb v/v	TO-15
Freon 12		2.8	J	4.9	ug/m3	TO-15
Freon 22		0.29	J	1.0	ppb v/v	TO-15
Freon 22		1.0	J	3.5	ug/m3	TO-15
Chloromethane		0.53	J	1.0	ppb v/v	TO-15
Chloromethane		1.1	J	2.1	ug/m3	TO-15
Vinyl chloride		0.40		0.080	ppb v/v	TO-15
Vinyl chloride		1.0		0.20	ug/m3	TO-15
Freon 11		0.25	J	0.40	ppb v/v	TO-15
Freon 11		1.4	J	2.2	ug/m3	TO-15
Freon 113		4.8		0.40	ppb v/v	TO-15
Freon 113		37		3.1	ug/m3	TO-15
1,1-Dichloroethene		0.098	J	0.40	ppb v/v	TO-15
1,1-Dichloroethene		0.39	J	1.6	ug/m3	TO-15
Methylene Chloride		0.31	J	1.0	ppb v/v	TO-15
Methylene Chloride		1.1	J	3.5	ug/m3	TO-15
Methyl tert-butyl ether		0.070	J	0.40	ppb v/v	TO-15
Methyl tert-butyl ether		0.25	J	1.4	ug/m3	TO-15
trans-1,2-Dichloroethene		0.23	J	0.40	ppb v/v	TO-15
trans-1,2-Dichloroethene		0.92	J	1.6	ug/m3	TO-15
1,1-Dichloroethane		6.2		0.40	ppb v/v	TO-15
1,1-Dichloroethane		25		1.6	ug/m3	TO-15
cis-1,2-Dichloroethene		46		0.40	ppb v/v	TO-15
cis-1,2-Dichloroethene		180		1.6	ug/m3	TO-15
1,2-Dichloroethene, Total		46		0.40	ppb v/v	TO-15
1,2-Dichloroethene, Total		180		1.6	ug/m3	TO-15
Chloroform		0.61		0.40	ppb v/v	TO-15
Chloroform		3.0		2.0	ug/m3	TO-15
Tetrahydrofuran		0.32	J	10	ppb v/v	TO-15
Tetrahydrofuran		0.95	J	29	ug/m3	TO-15
Carbon tetrachloride		0.080		0.080	ppb v/v	TO-15
Carbon tetrachloride		0.51		0.50	ug/m3	TO-15
Benzene		0.056	J	0.40	ppb v/v	TO-15
Benzene		0.18	J	1.3	ug/m3	TO-15
Trichloroethene		42		0.080	ppb v/v	TO-15
Trichloroethene		220		0.43	ug/m3	TO-15
Toluene		0.13	J	0.40	ppb v/v	TO-15
Toluene		0.49	J	1.5	ug/m3	TO-15
Tetrachloroethene		41		0.40	ppb v/v	TO-15
Tetrachloroethene		280		2.7	ug/m3	TO-15
Ethylbenzene		0.037	J	0.40	ppb v/v	TO-15
Ethylbenzene		0.16	J	1.7	ug/m3	TO-15
m,p-Xylene		0.10	J	1.0	ppb v/v	TO-15
m,p-Xylene		0.45	J	4.3	ug/m3	TO-15
Xylene, o-		0.063	J	0.40	ppb v/v	TO-15
Xylene, o-		0.27	J	1.7	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
Xylene (total)	0.16	J	0.40	ppb v/v	TO-15
Xylene (total)	0.71	J	1.7	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.071	J	0.40	ppb v/v	TO-15
1,2,4-Trimethylbenzene	0.35	J	2.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-23187-2	**GCTS MID CARBON**					
Freon 12		0.61	J	1.0	ppb v/v	TO-15
Freon 12		3.0	J	4.9	ug/m3	TO-15
Freon 22		0.32	J	1.0	ppb v/v	TO-15
Freon 22		1.1	J	3.5	ug/m3	TO-15
Chloromethane		0.51	J	1.0	ppb v/v	TO-15
Chloromethane		1.0	J	2.1	ug/m3	TO-15
Vinyl chloride		0.47		0.080	ppb v/v	TO-15
Vinyl chloride		1.2		0.20	ug/m3	TO-15
Freon 11		0.34	J	0.40	ppb v/v	TO-15
Freon 11		1.9	J	2.2	ug/m3	TO-15
Freon 113		3.9		0.40	ppb v/v	TO-15
Freon 113		30		3.1	ug/m3	TO-15
1,1-Dichloroethene		0.20	J	0.40	ppb v/v	TO-15
1,1-Dichloroethene		0.79	J	1.6	ug/m3	TO-15
Acetone		3.3	J	10	ppb v/v	TO-15
Acetone		7.7	J	24	ug/m3	TO-15
Isopropyl alcohol		0.55	J	10	ppb v/v	TO-15
Isopropyl alcohol		1.4	J	25	ug/m3	TO-15
Methylene Chloride		0.30	J	1.0	ppb v/v	TO-15
Methylene Chloride		1.1	J	3.5	ug/m3	TO-15
trans-1,2-Dichloroethene		0.27	J	0.40	ppb v/v	TO-15
trans-1,2-Dichloroethene		1.1	J	1.6	ug/m3	TO-15
1,1-Dichloroethane		11		0.40	ppb v/v	TO-15
1,1-Dichloroethane		44		1.6	ug/m3	TO-15
cis-1,2-Dichloroethene		43		0.40	ppb v/v	TO-15
cis-1,2-Dichloroethene		170		1.6	ug/m3	TO-15
1,2-Dichloroethene, Total		43		0.40	ppb v/v	TO-15
1,2-Dichloroethene, Total		170		1.6	ug/m3	TO-15
Chloroform		0.24	J	0.40	ppb v/v	TO-15
Chloroform		1.2	J	2.0	ug/m3	TO-15
Tetrahydrofuran		0.35	J	10	ppb v/v	TO-15
Tetrahydrofuran		1.0	J	29	ug/m3	TO-15
Toluene		0.15	J	0.40	ppb v/v	TO-15
Toluene		0.57	J	1.5	ug/m3	TO-15
Tetrachloroethene		0.053	J	0.40	ppb v/v	TO-15
Tetrachloroethene		0.36	J	2.7	ug/m3	TO-15
Chlorobenzene		0.044	J	0.40	ppb v/v	TO-15
Chlorobenzene		0.20	J	1.8	ug/m3	TO-15
Ethylbenzene		0.057	J	0.40	ppb v/v	TO-15
Ethylbenzene		0.25	J	1.7	ug/m3	TO-15
m,p-Xylene		0.25	J	1.0	ppb v/v	TO-15
m,p-Xylene		1.1	J	4.3	ug/m3	TO-15
Xylene, o-		0.19	J	0.40	ppb v/v	TO-15
Xylene, o-		0.84	J	1.7	ug/m3	TO-15
Xylene (total)		0.44		0.40	ppb v/v	TO-15
Xylene (total)		1.9		1.7	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
1,3,5-Trimethylbenzene	0.070	J	0.40	ppb v/v	TO-15
1,3,5-Trimethylbenzene	0.35	J	2.0	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.18	J	0.40	ppb v/v	TO-15
1,2,4-Trimethylbenzene	0.86	J	2.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-23187-3	**GCTS POST CARBON**					
Freon 12		0.54		0.50	ppb v/v	TO-15
Freon 12		2.7		2.5	ug/m3	TO-15
Freon 22		0.35	J	0.50	ppb v/v	TO-15
Freon 22		1.2	J	1.8	ug/m3	TO-15
Chloromethane		0.58		0.50	ppb v/v	TO-15
Chloromethane		1.2		1.0	ug/m3	TO-15
n-Butane		2.0		0.50	ppb v/v	TO-15
n-Butane		4.7		1.2	ug/m3	TO-15
Vinyl chloride		0.30		0.040	ppb v/v	TO-15
Vinyl chloride		0.77		0.10	ug/m3	TO-15
Freon 11		1.4		0.20	ppb v/v	TO-15
Freon 11		7.9		1.1	ug/m3	TO-15
Freon 113		5.5		0.20	ppb v/v	TO-15
Freon 113		42		1.5	ug/m3	TO-15
1,1-Dichloroethene		0.14	J	0.20	ppb v/v	TO-15
1,1-Dichloroethene		0.57	J	0.79	ug/m3	TO-15
Acetone		1.8	J	5.0	ppb v/v	TO-15
Acetone		4.4	J	12	ug/m3	TO-15
Isopropyl alcohol		0.24	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		0.60	J	12	ug/m3	TO-15
Methylene Chloride		0.39	J	0.50	ppb v/v	TO-15
Methylene Chloride		1.4	J	1.7	ug/m3	TO-15
trans-1,2-Dichloroethene		0.080	J	0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		0.32	J	0.79	ug/m3	TO-15
1,1-Dichloroethane		4.3		0.20	ppb v/v	TO-15
1,1-Dichloroethane		17		0.81	ug/m3	TO-15
Methyl Ethyl Ketone		0.89		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.6		1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		7.6		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		30		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		7.7		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		30		0.79	ug/m3	TO-15
Chloroform		0.097	J	0.20	ppb v/v	TO-15
Chloroform		0.47	J	0.98	ug/m3	TO-15
Benzene		0.029	J	0.20	ppb v/v	TO-15
Benzene		0.094	J	0.64	ug/m3	TO-15
methyl isobutyl ketone		0.031	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.13	J	2.0	ug/m3	TO-15
Toluene		0.052	J	0.20	ppb v/v	TO-15
Toluene		0.20	J	0.75	ug/m3	TO-15
Chlorobenzene		0.017	J	0.20	ppb v/v	TO-15
Chlorobenzene		0.077	J	0.92	ug/m3	TO-15
Ethylbenzene		0.026	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.11	J	0.87	ug/m3	TO-15
m,p-Xylene		0.088	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.38	J	2.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-		0.058	J	0.20	ppb v/v	TO-15
Xylene, o-		0.25	J	0.87	ug/m3	TO-15
Xylene (total)		0.15	J	0.20	ppb v/v	TO-15
Xylene (total)		0.63	J	0.87	ug/m3	TO-15
Styrene		0.040	J	0.20	ppb v/v	TO-15
Styrene		0.17	J	0.85	ug/m3	TO-15
4-Ethyltoluene		0.019	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.094	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.023	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.11	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.075	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.37	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-23187-4	**SSDS MID-CARBON**					
Freon 12		5.6		3.0	ppb v/v	TO-15
Freon 12		28		15	ug/m3	TO-15
Freon 22		2.5	J	3.0	ppb v/v	TO-15
Freon 22		9.0	J	11	ug/m3	TO-15
Chloromethane		1.4	J	3.0	ppb v/v	TO-15
Chloromethane		3.0	J	6.2	ug/m3	TO-15
n-Butane		21		3.0	ppb v/v	TO-15
n-Butane		49		7.1	ug/m3	TO-15
Freon 11		5.5		1.2	ppb v/v	TO-15
Freon 11		31		6.7	ug/m3	TO-15
Freon 113		1.5		1.2	ppb v/v	TO-15
Freon 113		11		9.2	ug/m3	TO-15
Acetone		8.2	J	30	ppb v/v	TO-15
Acetone		19	J	71	ug/m3	TO-15
Isopropyl alcohol		130		30	ppb v/v	TO-15
Isopropyl alcohol		320		74	ug/m3	TO-15
Methylene Chloride		130		3.0	ppb v/v	TO-15
Methylene Chloride		460		10	ug/m3	TO-15
trans-1,2-Dichloroethene		1.9		1.2	ppb v/v	TO-15
trans-1,2-Dichloroethene		7.7		4.8	ug/m3	TO-15
1,1-Dichloroethane		0.67	J	1.2	ppb v/v	TO-15
1,1-Dichloroethane		2.7	J	4.9	ug/m3	TO-15
Methyl Ethyl Ketone		1.6	J	3.0	ppb v/v	TO-15
Methyl Ethyl Ketone		4.7	J	8.8	ug/m3	TO-15
cis-1,2-Dichloroethene		3.0		1.2	ppb v/v	TO-15
cis-1,2-Dichloroethene		12		4.8	ug/m3	TO-15
1,2-Dichloroethene, Total		4.9		1.2	ppb v/v	TO-15
1,2-Dichloroethene, Total		19		4.8	ug/m3	TO-15
Chloroform		9.5		1.2	ppb v/v	TO-15
Chloroform		46		5.9	ug/m3	TO-15
1,1,1-Trichloroethane		1.6		1.2	ppb v/v	TO-15
1,1,1-Trichloroethane		9.0		6.5	ug/m3	TO-15
Cyclohexane		1.9		1.2	ppb v/v	TO-15
Cyclohexane		6.6		4.1	ug/m3	TO-15
Carbon tetrachloride		0.22	J	0.24	ppb v/v	TO-15
Carbon tetrachloride		1.4	J	1.5	ug/m3	TO-15
Benzene		2.6		1.2	ppb v/v	TO-15
Benzene		8.2		3.8	ug/m3	TO-15
Trichloroethene		0.29		0.24	ppb v/v	TO-15
Trichloroethene		1.6		1.3	ug/m3	TO-15
methyl isobutyl ketone		1.7	J	3.0	ppb v/v	TO-15
methyl isobutyl ketone		6.8	J	12	ug/m3	TO-15
Toluene		0.69	J	1.2	ppb v/v	TO-15
Toluene		2.6	J	4.5	ug/m3	TO-15
Ethylbenzene		0.62	J	1.2	ppb v/v	TO-15
Ethylbenzene		2.7	J	5.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene		2.1	J	3.0	ppb v/v	TO-15
m,p-Xylene		9.1	J	13	ug/m3	TO-15
Xylene, o-		0.76	J	1.2	ppb v/v	TO-15
Xylene, o-		3.3	J	5.2	ug/m3	TO-15
Xylene (total)		2.9		1.2	ppb v/v	TO-15
Xylene (total)		12		5.2	ug/m3	TO-15
4-Ethyltoluene		0.23	J	1.2	ppb v/v	TO-15
4-Ethyltoluene		1.1	J	5.9	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.33	J	1.2	ppb v/v	TO-15
1,3,5-Trimethylbenzene		1.6	J	5.9	ug/m3	TO-15
1,2,4-Trimethylbenzene		1.0	J	1.2	ppb v/v	TO-15
1,2,4-Trimethylbenzene		5.1	J	5.9	ug/m3	TO-15
1,3-Dichlorobenzene		0.80	J B	1.2	ppb v/v	TO-15
1,3-Dichlorobenzene		4.8	J B	7.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-23187-5	**SSDS EFFLUENT(POST CARBON)**					
Freon 12		1.4		0.50	ppb v/v	TO-15
Freon 12		7.0		2.5	ug/m3	TO-15
Freon 22		0.77		0.50	ppb v/v	TO-15
Freon 22		2.7		1.8	ug/m3	TO-15
Freon-114		0.14	J	0.20	ppb v/v	TO-15
Freon-114		0.96	J	1.4	ug/m3	TO-15
Chloromethane		0.38	J	0.50	ppb v/v	TO-15
Chloromethane		0.78	J	1.0	ug/m3	TO-15
n-Butane		3.3		0.50	ppb v/v	TO-15
n-Butane		7.7		1.2	ug/m3	TO-15
Freon 11		3.3		0.20	ppb v/v	TO-15
Freon 11		19		1.1	ug/m3	TO-15
Acetone		2.8	J	5.0	ppb v/v	TO-15
Acetone		6.6	J	12	ug/m3	TO-15
Isopropyl alcohol		28		5.0	ppb v/v	TO-15
Isopropyl alcohol		69		12	ug/m3	TO-15
Methylene Chloride		24		0.50	ppb v/v	TO-15
Methylene Chloride		82		1.7	ug/m3	TO-15
trans-1,2-Dichloroethene		0.47		0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		1.9		0.79	ug/m3	TO-15
1,1-Dichloroethane		0.11	J	0.20	ppb v/v	TO-15
1,1-Dichloroethane		0.43	J	0.81	ug/m3	TO-15
Methyl Ethyl Ketone		0.39	J	0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.2	J	1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		0.48		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		1.9		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		0.95		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		3.8		0.79	ug/m3	TO-15
Chloroform		0.91		0.20	ppb v/v	TO-15
Chloroform		4.5		0.98	ug/m3	TO-15
Tetrahydrofuran		0.85	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		2.5	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.056	J	0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		0.31	J	1.1	ug/m3	TO-15
Cyclohexane		0.10	J	0.20	ppb v/v	TO-15
Cyclohexane		0.35	J	0.69	ug/m3	TO-15
Benzene		0.026	J	0.20	ppb v/v	TO-15
Benzene		0.082	J	0.64	ug/m3	TO-15
methyl isobutyl ketone		0.46	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		1.9	J	2.0	ug/m3	TO-15
Toluene		0.14	J	0.20	ppb v/v	TO-15
Toluene		0.52	J	0.75	ug/m3	TO-15
trans-1,3-Dichloropropene		0.10	J	0.20	ppb v/v	TO-15
trans-1,3-Dichloropropene		0.46	J	0.91	ug/m3	TO-15
Tetrachloroethene		0.018	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.12	J	1.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
Chlorobenzene	0.0094	J	0.20	ppb v/v	TO-15
Chlorobenzene	0.043	J	0.92	ug/m3	TO-15
Ethylbenzene	0.17	J	0.20	ppb v/v	TO-15
Ethylbenzene	0.73	J	0.87	ug/m3	TO-15
m,p-Xylene	0.60		0.50	ppb v/v	TO-15
m,p-Xylene	2.6		2.2	ug/m3	TO-15
Xylene, o-	0.23		0.20	ppb v/v	TO-15
Xylene, o-	1.0		0.87	ug/m3	TO-15
Xylene (total)	0.83		0.20	ppb v/v	TO-15
Xylene (total)	3.6		0.87	ug/m3	TO-15
4-Ethyltoluene	0.088	J	0.20	ppb v/v	TO-15
4-Ethyltoluene	0.43	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.12	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene	0.57	J	0.98	ug/m3	TO-15
2-Chlorotoluene	0.017	J	0.20	ppb v/v	TO-15
2-Chlorotoluene	0.088	J	1.0	ug/m3	TO-15
tert-Butylbenzene	0.051	J	0.20	ppb v/v	TO-15
tert-Butylbenzene	0.28	J	1.1	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.40		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene	2.0		0.98	ug/m3	TO-15
1,3-Dichlorobenzene	0.16	J B	0.20	ppb v/v	TO-15
1,3-Dichlorobenzene	0.95	J B	1.2	ug/m3	TO-15
1,4-Dichlorobenzene	0.026	J B	0.20	ppb v/v	TO-15
1,4-Dichlorobenzene	0.16	J B	1.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-23187-6	**SDS-1**					
Freon 12		4.0		2.5	ppb v/v	TO-15
Freon 12		20		12	ug/m3	TO-15
Freon 22		0.45	J	2.5	ppb v/v	TO-15
Freon 22		1.6	J	8.8	ug/m3	TO-15
Freon 11		0.75	J	1.0	ppb v/v	TO-15
Freon 11		4.2	J	5.6	ug/m3	TO-15
Freon 113		0.15	J	1.0	ppb v/v	TO-15
Freon 113		1.2	J	7.7	ug/m3	TO-15
Isopropyl alcohol		4.8	J	25	ppb v/v	TO-15
Isopropyl alcohol		12	J	61	ug/m3	TO-15
Methylene Chloride		2.3	J	2.5	ppb v/v	TO-15
Methylene Chloride		8.0	J	8.7	ug/m3	TO-15
trans-1,2-Dichloroethene		0.43	J	1.0	ppb v/v	TO-15
trans-1,2-Dichloroethene		1.7	J	4.0	ug/m3	TO-15
cis-1,2-Dichloroethene		3.3		1.0	ppb v/v	TO-15
cis-1,2-Dichloroethene		13		4.0	ug/m3	TO-15
1,2-Dichloroethene, Total		3.7		1.0	ppb v/v	TO-15
1,2-Dichloroethene, Total		15		4.0	ug/m3	TO-15
Chloroform		3.4		1.0	ppb v/v	TO-15
Chloroform		17		4.9	ug/m3	TO-15
Cyclohexane		6.3		1.0	ppb v/v	TO-15
Cyclohexane		22		3.4	ug/m3	TO-15
Trichloroethene		9.8		0.20	ppb v/v	TO-15
Trichloroethene		53		1.1	ug/m3	TO-15
Toluene		0.16	J	1.0	ppb v/v	TO-15
Toluene		0.59	J	3.8	ug/m3	TO-15
Tetrachloroethene		180		1.0	ppb v/v	TO-15
Tetrachloroethene		1300		6.8	ug/m3	TO-15
Ethylbenzene		0.088	J	1.0	ppb v/v	TO-15
Ethylbenzene		0.38	J	4.3	ug/m3	TO-15
1,3-Dichlorobenzene		0.075	J B	1.0	ppb v/v	TO-15
1,3-Dichlorobenzene		0.45	J B	6.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-23187-7	**SDS-2**					
Freon 12		7.4		4.0	ppb v/v	TO-15
Freon 12		37		20	ug/m3	TO-15
Freon 11		1.1	J	1.6	ppb v/v	TO-15
Freon 11		6.2	J	9.0	ug/m3	TO-15
Acetone		11	J	40	ppb v/v	TO-15
Acetone		26	J	95	ug/m3	TO-15
Isopropyl alcohol		200		40	ppb v/v	TO-15
Isopropyl alcohol		480		98	ug/m3	TO-15
Methylene Chloride		2.7	J	4.0	ppb v/v	TO-15
Methylene Chloride		9.3	J	14	ug/m3	TO-15
1,1,1-Trichloroethane		2.4		1.6	ppb v/v	TO-15
1,1,1-Trichloroethane		13		8.7	ug/m3	TO-15
Cyclohexane		6.8		1.6	ppb v/v	TO-15
Cyclohexane		23		5.5	ug/m3	TO-15
Trichloroethene		4.7		0.32	ppb v/v	TO-15
Trichloroethene		25		1.7	ug/m3	TO-15
Tetrachloroethene		8.9		1.6	ppb v/v	TO-15
Tetrachloroethene		60		11	ug/m3	TO-15
Ethylbenzene		0.13	J	1.6	ppb v/v	TO-15
Ethylbenzene		0.55	J	6.9	ug/m3	TO-15
m,p-Xylene		0.20	J	4.0	ppb v/v	TO-15
m,p-Xylene		0.88	J	17	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-23187-8	**SDS-3**					
Freon 12		0.62	J	2.5	ppb v/v	TO-15
Freon 12		3.1	J	12	ug/m3	TO-15
Freon 22		0.79	J	2.5	ppb v/v	TO-15
Freon 22		2.8	J	8.8	ug/m3	TO-15
n-Butane		2.0	J	2.5	ppb v/v	TO-15
n-Butane		4.7	J	5.9	ug/m3	TO-15
Freon 11		0.37	J	1.0	ppb v/v	TO-15
Freon 11		2.1	J	5.6	ug/m3	TO-15
Freon 113		0.17	J	1.0	ppb v/v	TO-15
Freon 113		1.3	J	7.7	ug/m3	TO-15
Acetone		16	J	25	ppb v/v	TO-15
Acetone		38	J	59	ug/m3	TO-15
Isopropyl alcohol		110		25	ppb v/v	TO-15
Isopropyl alcohol		260		61	ug/m3	TO-15
Methylene Chloride		71		2.5	ppb v/v	TO-15
Methylene Chloride		250		8.7	ug/m3	TO-15
trans-1,2-Dichloroethene		0.19	J	1.0	ppb v/v	TO-15
trans-1,2-Dichloroethene		0.74	J	4.0	ug/m3	TO-15
Hexane		0.24	J	1.0	ppb v/v	TO-15
Hexane		0.85	J	3.5	ug/m3	TO-15
Methyl Ethyl Ketone		1.7	J	2.5	ppb v/v	TO-15
Methyl Ethyl Ketone		5.0	J	7.4	ug/m3	TO-15
cis-1,2-Dichloroethene		0.23	J	1.0	ppb v/v	TO-15
cis-1,2-Dichloroethene		0.93	J	4.0	ug/m3	TO-15
1,2-Dichloroethene, Total		0.42	J	1.0	ppb v/v	TO-15
1,2-Dichloroethene, Total		1.7	J	4.0	ug/m3	TO-15
Chloroform		0.75	J	1.0	ppb v/v	TO-15
Chloroform		3.7	J	4.9	ug/m3	TO-15
Cyclohexane		2.3		1.0	ppb v/v	TO-15
Cyclohexane		7.9		3.4	ug/m3	TO-15
Benzene		0.23	J	1.0	ppb v/v	TO-15
Benzene		0.72	J	3.2	ug/m3	TO-15
Trichloroethene		6.0		0.20	ppb v/v	TO-15
Trichloroethene		32		1.1	ug/m3	TO-15
Toluene		1.4		1.0	ppb v/v	TO-15
Toluene		5.2		3.8	ug/m3	TO-15
Tetrachloroethene		3.6		1.0	ppb v/v	TO-15
Tetrachloroethene		24		6.8	ug/m3	TO-15
Ethylbenzene		0.26	J	1.0	ppb v/v	TO-15
Ethylbenzene		1.1	J	4.3	ug/m3	TO-15
m,p-Xylene		0.68	J	2.5	ppb v/v	TO-15
m,p-Xylene		3.0	J	11	ug/m3	TO-15
Xylene, o-		0.25	J	1.0	ppb v/v	TO-15
Xylene, o-		1.1	J	4.3	ug/m3	TO-15
Xylene (total)		0.93	J	1.0	ppb v/v	TO-15
Xylene (total)		4.0	J	4.3	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
Styrene	0.20	J	1.0	ppb v/v	TO-15
Styrene	0.86	J	4.3	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.28	J	1.0	ppb v/v	TO-15
1,3,5-Trimethylbenzene	1.4	J	4.9	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.38	J	1.0	ppb v/v	TO-15
1,2,4-Trimethylbenzene	1.9	J	4.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-23187-9	**SDS-4**					
Freon 12		0.60	J	1.3	ppb v/v	TO-15
Freon 12		3.0	J	6.2	ug/m3	TO-15
Chloromethane		0.53	J	1.3	ppb v/v	TO-15
Chloromethane		1.1	J	2.6	ug/m3	TO-15
1,3-Butadiene		0.16	J	0.50	ppb v/v	TO-15
1,3-Butadiene		0.35	J	1.1	ug/m3	TO-15
Freon 11		0.35	J	0.50	ppb v/v	TO-15
Freon 11		2.0	J	2.8	ug/m3	TO-15
Freon 113		0.13	J	0.50	ppb v/v	TO-15
Freon 113		0.96	J	3.8	ug/m3	TO-15
Acetone		8.9	J	13	ppb v/v	TO-15
Acetone		21	J	30	ug/m3	TO-15
Isopropyl alcohol		60		13	ppb v/v	TO-15
Isopropyl alcohol		150		31	ug/m3	TO-15
Carbon disulfide		0.21	J	1.3	ppb v/v	TO-15
Carbon disulfide		0.65	J	3.9	ug/m3	TO-15
Methylene Chloride		15		1.3	ppb v/v	TO-15
Methylene Chloride		54		4.3	ug/m3	TO-15
trans-1,2-Dichloroethene		0.13	J	0.50	ppb v/v	TO-15
trans-1,2-Dichloroethene		0.51	J	2.0	ug/m3	TO-15
Hexane		0.25	J	0.50	ppb v/v	TO-15
Hexane		0.88	J	1.8	ug/m3	TO-15
cis-1,2-Dichloroethene		0.45	J	0.50	ppb v/v	TO-15
cis-1,2-Dichloroethene		1.8	J	2.0	ug/m3	TO-15
1,2-Dichloroethene, Total		0.58		0.50	ppb v/v	TO-15
1,2-Dichloroethene, Total		2.3		2.0	ug/m3	TO-15
Chloroform		0.74		0.50	ppb v/v	TO-15
Chloroform		3.6		2.4	ug/m3	TO-15
Cyclohexane		16		0.50	ppb v/v	TO-15
Cyclohexane		54		1.7	ug/m3	TO-15
Carbon tetrachloride		0.083	J	0.10	ppb v/v	TO-15
Carbon tetrachloride		0.52	J	0.63	ug/m3	TO-15
Benzene		0.11	J	0.50	ppb v/v	TO-15
Benzene		0.34	J	1.6	ug/m3	TO-15
Heptane		0.13	J	0.50	ppb v/v	TO-15
Heptane		0.53	J	2.0	ug/m3	TO-15
Trichloroethene		2.8		0.10	ppb v/v	TO-15
Trichloroethene		15		0.54	ug/m3	TO-15
Toluene		1.1		0.50	ppb v/v	TO-15
Toluene		4.1		1.9	ug/m3	TO-15
Tetrachloroethene		26		0.50	ppb v/v	TO-15
Tetrachloroethene		180		3.4	ug/m3	TO-15
Ethylbenzene		0.60		0.50	ppb v/v	TO-15
Ethylbenzene		2.6		2.2	ug/m3	TO-15
m,p-Xylene		0.93	J	1.3	ppb v/v	TO-15
m,p-Xylene		4.0	J	5.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-	1.1		0.50	ppb v/v	TO-15
Xylene, o-	4.9		2.2	ug/m3	TO-15
Xylene (total)	2.0		0.50	ppb v/v	TO-15
Xylene (total)	8.8		2.2	ug/m3	TO-15
Styrene	0.44	J	0.50	ppb v/v	TO-15
Styrene	1.9	J	2.1	ug/m3	TO-15
4-Ethyltoluene	0.25	J	0.50	ppb v/v	TO-15
4-Ethyltoluene	1.2	J	2.5	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.67		0.50	ppb v/v	TO-15
1,3,5-Trimethylbenzene	3.3		2.5	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.72		0.50	ppb v/v	TO-15
1,2,4-Trimethylbenzene	3.5		2.5	ug/m3	TO-15
4-Isopropyltoluene	0.48	J	0.50	ppb v/v	TO-15
4-Isopropyltoluene	2.7	J	2.7	ug/m3	TO-15
1,3-Dichlorobenzene	0.042	J B	0.50	ppb v/v	TO-15
1,3-Dichlorobenzene	0.25	J B	3.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-23187-10	**SDS-5**					
Freon 12		0.59	J	2.5	ppb v/v	TO-15
Freon 12		2.9	J	12	ug/m3	TO-15
Freon 22		1.1	J	2.5	ppb v/v	TO-15
Freon 22		4.0	J	8.8	ug/m3	TO-15
n-Butane		3.5		2.5	ppb v/v	TO-15
n-Butane		8.4		5.9	ug/m3	TO-15
Freon 11		0.27	J	1.0	ppb v/v	TO-15
Freon 11		1.5	J	5.6	ug/m3	TO-15
Acetone		6.7	J	25	ppb v/v	TO-15
Acetone		16	J	59	ug/m3	TO-15
Isopropyl alcohol		82		25	ppb v/v	TO-15
Isopropyl alcohol		200		61	ug/m3	TO-15
Methylene Chloride		120		2.5	ppb v/v	TO-15
Methylene Chloride		410		8.7	ug/m3	TO-15
trans-1,2-Dichloroethene		0.37	J	1.0	ppb v/v	TO-15
trans-1,2-Dichloroethene		1.5	J	4.0	ug/m3	TO-15
1,2-Dichloroethene, Total		0.37	J	1.0	ppb v/v	TO-15
1,2-Dichloroethene, Total		1.5	J	4.0	ug/m3	TO-15
Chloroform		11		1.0	ppb v/v	TO-15
Chloroform		54		4.9	ug/m3	TO-15
1,1,1-Trichloroethane		0.28	J	1.0	ppb v/v	TO-15
1,1,1-Trichloroethane		1.5	J	5.5	ug/m3	TO-15
Cyclohexane		1.6		1.0	ppb v/v	TO-15
Cyclohexane		5.4		3.4	ug/m3	TO-15
Benzene		0.18	J	1.0	ppb v/v	TO-15
Benzene		0.58	J	3.2	ug/m3	TO-15
Heptane		0.39	J	1.0	ppb v/v	TO-15
Heptane		1.6	J	4.1	ug/m3	TO-15
Trichloroethene		2.4		0.20	ppb v/v	TO-15
Trichloroethene		13		1.1	ug/m3	TO-15
Toluene		0.62	J	1.0	ppb v/v	TO-15
Toluene		2.3	J	3.8	ug/m3	TO-15
Tetrachloroethene		1.1		1.0	ppb v/v	TO-15
Tetrachloroethene		7.3		6.8	ug/m3	TO-15
Ethylbenzene		0.24	J	1.0	ppb v/v	TO-15
Ethylbenzene		1.0	J	4.3	ug/m3	TO-15
m,p-Xylene		0.89	J	2.5	ppb v/v	TO-15
m,p-Xylene		3.8	J	11	ug/m3	TO-15
Xylene, o-		0.23	J	1.0	ppb v/v	TO-15
Xylene, o-		1.0	J	4.3	ug/m3	TO-15
Xylene (total)		1.1		1.0	ppb v/v	TO-15
Xylene (total)		4.9		4.3	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.11	J	1.0	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.56	J	4.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-23187-11	**SDS-6**					
Freon 12		0.65	J	4.0	ppb v/v	TO-15
Freon 12		3.2	J	20	ug/m3	TO-15
Freon 22		0.98	J	4.0	ppb v/v	TO-15
Freon 22		3.5	J	14	ug/m3	TO-15
n-Butane		2.9	J	4.0	ppb v/v	TO-15
n-Butane		7.0	J	9.5	ug/m3	TO-15
Freon 11		0.34	J	1.6	ppb v/v	TO-15
Freon 11		1.9	J	9.0	ug/m3	TO-15
Acetone		10	J	40	ppb v/v	TO-15
Acetone		24	J	95	ug/m3	TO-15
Isopropyl alcohol		190		40	ppb v/v	TO-15
Isopropyl alcohol		460		98	ug/m3	TO-15
Carbon disulfide		6.1		4.0	ppb v/v	TO-15
Carbon disulfide		19		12	ug/m3	TO-15
Methylene Chloride		100		4.0	ppb v/v	TO-15
Methylene Chloride		350		14	ug/m3	TO-15
Chloroform		0.39	J	1.6	ppb v/v	TO-15
Chloroform		1.9	J	7.8	ug/m3	TO-15
Cyclohexane		1.8		1.6	ppb v/v	TO-15
Cyclohexane		6.2		5.5	ug/m3	TO-15
Benzene		0.23	J	1.6	ppb v/v	TO-15
Benzene		0.74	J	5.1	ug/m3	TO-15
Trichloroethene		0.86		0.32	ppb v/v	TO-15
Trichloroethene		4.6		1.7	ug/m3	TO-15
Toluene		2.0		1.6	ppb v/v	TO-15
Toluene		7.4		6.0	ug/m3	TO-15
Tetrachloroethene		3.1		1.6	ppb v/v	TO-15
Tetrachloroethene		21		11	ug/m3	TO-15
Ethylbenzene		0.28	J	1.6	ppb v/v	TO-15
Ethylbenzene		1.2	J	6.9	ug/m3	TO-15
m,p-Xylene		0.68	J	4.0	ppb v/v	TO-15
m,p-Xylene		3.0	J	17	ug/m3	TO-15
Xylene, o-		0.28	J	1.6	ppb v/v	TO-15
Xylene, o-		1.2	J	6.9	ug/m3	TO-15
Xylene (total)		0.96	J	1.6	ppb v/v	TO-15
Xylene (total)		4.2	J	6.9	ug/m3	TO-15
4-Ethyltoluene		0.18	J	1.6	ppb v/v	TO-15
4-Ethyltoluene		0.90	J	7.9	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.18	J	1.6	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.88	J	7.9	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.37	J	1.6	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.8	J	7.9	ug/m3	TO-15
1,3-Dichlorobenzene		0.13	J B	1.6	ppb v/v	TO-15
1,3-Dichlorobenzene		0.80	J B	9.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-23187-12	**SDS-7**					
Freon 12		0.51	J	0.63	ppb v/v	TO-15
Freon 12		2.5	J	3.1	ug/m3	TO-15
Freon 22		0.41	J	0.63	ppb v/v	TO-15
Freon 22		1.4	J	2.2	ug/m3	TO-15
n-Butane		0.66		0.63	ppb v/v	TO-15
n-Butane		1.6		1.5	ug/m3	TO-15
Freon 11		0.23	J	0.25	ppb v/v	TO-15
Freon 11		1.3	J	1.4	ug/m3	TO-15
Freon 113		0.078	J	0.25	ppb v/v	TO-15
Freon 113		0.60	J	1.9	ug/m3	TO-15
Acetone		2.9	J	6.3	ppb v/v	TO-15
Acetone		6.8	J	15	ug/m3	TO-15
Isopropyl alcohol		28		6.3	ppb v/v	TO-15
Isopropyl alcohol		70		15	ug/m3	TO-15
Methylene Chloride		12		0.63	ppb v/v	TO-15
Methylene Chloride		40		2.2	ug/m3	TO-15
trans-1,2-Dichloroethene		0.050	J	0.25	ppb v/v	TO-15
trans-1,2-Dichloroethene		0.20	J	0.99	ug/m3	TO-15
Methyl Ethyl Ketone		0.48	J	0.63	ppb v/v	TO-15
Methyl Ethyl Ketone		1.4	J	1.8	ug/m3	TO-15
cis-1,2-Dichloroethene		0.086	J	0.25	ppb v/v	TO-15
cis-1,2-Dichloroethene		0.34	J	0.99	ug/m3	TO-15
1,2-Dichloroethene, Total		0.14	J	0.25	ppb v/v	TO-15
1,2-Dichloroethene, Total		0.54	J	0.99	ug/m3	TO-15
Chloroform		0.30		0.25	ppb v/v	TO-15
Chloroform		1.5		1.2	ug/m3	TO-15
1,1,1-Trichloroethane		0.10	J	0.25	ppb v/v	TO-15
1,1,1-Trichloroethane		0.57	J	1.4	ug/m3	TO-15
Cyclohexane		0.24	J	0.25	ppb v/v	TO-15
Cyclohexane		0.82	J	0.86	ug/m3	TO-15
Carbon tetrachloride		0.071		0.050	ppb v/v	TO-15
Carbon tetrachloride		0.45		0.31	ug/m3	TO-15
Benzene		0.029	J	0.25	ppb v/v	TO-15
Benzene		0.093	J	0.80	ug/m3	TO-15
Trichloroethene		0.63		0.050	ppb v/v	TO-15
Trichloroethene		3.4		0.27	ug/m3	TO-15
Toluene		0.096	J	0.25	ppb v/v	TO-15
Toluene		0.36	J	0.94	ug/m3	TO-15
Tetrachloroethene		0.26		0.25	ppb v/v	TO-15
Tetrachloroethene		1.8		1.7	ug/m3	TO-15
Ethylbenzene		0.044	J	0.25	ppb v/v	TO-15
Ethylbenzene		0.19	J	1.1	ug/m3	TO-15
m,p-Xylene		0.13	J	0.63	ppb v/v	TO-15
m,p-Xylene		0.55	J	2.7	ug/m3	TO-15
Xylene, o-		0.043	J	0.25	ppb v/v	TO-15
Xylene, o-		0.19	J	1.1	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
Xylene (total)	0.17	J	0.25	ppb v/v	TO-15
Xylene (total)	0.75	J	1.1	ug/m3	TO-15
Styrene	0.040	J	0.25	ppb v/v	TO-15
Styrene	0.17	J	1.1	ug/m3	TO-15
4-Ethyltoluene	0.023	J	0.25	ppb v/v	TO-15
4-Ethyltoluene	0.11	J	1.2	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.026	J	0.25	ppb v/v	TO-15
1,3,5-Trimethylbenzene	0.13	J	1.2	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.054	J	0.25	ppb v/v	TO-15
1,2,4-Trimethylbenzene	0.27	J	1.2	ug/m3	TO-15
1,3-Dichlorobenzene	0.047	J B	0.25	ppb v/v	TO-15
1,3-Dichlorobenzene	0.28	J B	1.5	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-23187-13	**SDS-8**					
Freon 12		1.9		1.0	ppb v/v	TO-15
Freon 12		9.2		4.9	ug/m3	TO-15
Freon 22		0.85	J	1.0	ppb v/v	TO-15
Freon 22		3.0	J	3.5	ug/m3	TO-15
Chloromethane		0.36	J	1.0	ppb v/v	TO-15
Chloromethane		0.74	J	2.1	ug/m3	TO-15
n-Butane		9.2		1.0	ppb v/v	TO-15
n-Butane		22		2.4	ug/m3	TO-15
Freon 11		0.46		0.40	ppb v/v	TO-15
Freon 11		2.6		2.2	ug/m3	TO-15
Freon 113		1.4		0.40	ppb v/v	TO-15
Freon 113		11		3.1	ug/m3	TO-15
Acetone		12		10	ppb v/v	TO-15
Acetone		29		24	ug/m3	TO-15
Isopropyl alcohol		49		10	ppb v/v	TO-15
Isopropyl alcohol		120		25	ug/m3	TO-15
Carbon disulfide		3.7		1.0	ppb v/v	TO-15
Carbon disulfide		11		3.1	ug/m3	TO-15
Methylene Chloride		45		1.0	ppb v/v	TO-15
Methylene Chloride		160		3.5	ug/m3	TO-15
trans-1,2-Dichloroethene		0.11	J	0.40	ppb v/v	TO-15
trans-1,2-Dichloroethene		0.42	J	1.6	ug/m3	TO-15
1,1-Dichloroethane		0.44		0.40	ppb v/v	TO-15
1,1-Dichloroethane		1.8		1.6	ug/m3	TO-15
Methyl Ethyl Ketone		1.4		1.0	ppb v/v	TO-15
Methyl Ethyl Ketone		4.2		2.9	ug/m3	TO-15
cis-1,2-Dichloroethene		1.0		0.40	ppb v/v	TO-15
cis-1,2-Dichloroethene		4.2		1.6	ug/m3	TO-15
1,2-Dichloroethene, Total		1.1		0.40	ppb v/v	TO-15
1,2-Dichloroethene, Total		4.4		1.6	ug/m3	TO-15
Chloroform		12		0.40	ppb v/v	TO-15
Chloroform		61		2.0	ug/m3	TO-15
Trichloroethene		15		0.080	ppb v/v	TO-15
Trichloroethene		81		0.43	ug/m3	TO-15
Bromodichloromethane		0.15	J	0.40	ppb v/v	TO-15
Bromodichloromethane		1.0	J	2.7	ug/m3	TO-15
Toluene		1.5		0.40	ppb v/v	TO-15
Toluene		5.8		1.5	ug/m3	TO-15
Tetrachloroethene		2.4		0.40	ppb v/v	TO-15
Tetrachloroethene		16		2.7	ug/m3	TO-15
Ethylbenzene		0.11	J	0.40	ppb v/v	TO-15
Ethylbenzene		0.49	J	1.7	ug/m3	TO-15
m,p-Xylene		0.28	J	1.0	ppb v/v	TO-15
m,p-Xylene		1.2	J	4.3	ug/m3	TO-15
Xylene, o-		0.083	J	0.40	ppb v/v	TO-15
Xylene, o-		0.36	J	1.7	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene (total)		0.36	J	0.40	ppb v/v	TO-15
Xylene (total)		1.6	J	1.7	ug/m3	TO-15
Styrene		0.045	J	0.40	ppb v/v	TO-15
Styrene		0.19	J	1.7	ug/m3	TO-15
4-Isopropyltoluene		0.23	J	0.40	ppb v/v	TO-15
4-Isopropyltoluene		1.3	J	2.2	ug/m3	TO-15
1,3-Dichlorobenzene		0.074	J B	0.40	ppb v/v	TO-15
1,3-Dichlorobenzene		0.45	J B	2.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-23187-14	**VMP-8C**					
Freon 12		0.51		0.50	ppb v/v	TO-15
Freon 12		2.5		2.5	ug/m3	TO-15
Freon 22		1.3		0.50	ppb v/v	TO-15
Freon 22		4.6		1.8	ug/m3	TO-15
Freon 11		0.24		0.20	ppb v/v	TO-15
Freon 11		1.3		1.1	ug/m3	TO-15
Freon 113		0.095	J	0.20	ppb v/v	TO-15
Freon 113		0.73	J	1.5	ug/m3	TO-15
Acetone		1.7	J	5.0	ppb v/v	TO-15
Acetone		4.0	J	12	ug/m3	TO-15
Isopropyl alcohol		1.2	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		2.9	J	12	ug/m3	TO-15
Carbon disulfide		0.086	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.27	J	1.6	ug/m3	TO-15
Methylene Chloride		1.8		0.50	ppb v/v	TO-15
Methylene Chloride		6.1		1.7	ug/m3	TO-15
trans-1,2-Dichloroethene		0.078	J	0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		0.31	J	0.79	ug/m3	TO-15
Methyl Ethyl Ketone		0.55		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.6		1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		0.094	J	0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		0.37	J	0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		0.17	J	0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		0.68	J	0.79	ug/m3	TO-15
Chloroform		1.0		0.20	ppb v/v	TO-15
Chloroform		4.9		0.98	ug/m3	TO-15
Tetrahydrofuran		0.29	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.85	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.25		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		1.4		1.1	ug/m3	TO-15
Carbon tetrachloride		0.076		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.48		0.25	ug/m3	TO-15
Benzene		0.069	J	0.20	ppb v/v	TO-15
Benzene		0.22	J	0.64	ug/m3	TO-15
Trichloroethene		2.3		0.040	ppb v/v	TO-15
Trichloroethene		13		0.21	ug/m3	TO-15
methyl isobutyl ketone		0.96		0.50	ppb v/v	TO-15
methyl isobutyl ketone		4.0		2.0	ug/m3	TO-15
Toluene		0.42		0.20	ppb v/v	TO-15
Toluene		1.6		0.75	ug/m3	TO-15
Tetrachloroethene		0.80		0.20	ppb v/v	TO-15
Tetrachloroethene		5.4		1.4	ug/m3	TO-15
Chlorobenzene		0.012	J	0.20	ppb v/v	TO-15
Chlorobenzene		0.056	J	0.92	ug/m3	TO-15
Ethylbenzene		0.33		0.20	ppb v/v	TO-15
Ethylbenzene		1.4		0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene	1.2		0.50	ppb v/v	TO-15
m,p-Xylene	5.1		2.2	ug/m3	TO-15
Xylene, o-	0.43		0.20	ppb v/v	TO-15
Xylene, o-	1.9		0.87	ug/m3	TO-15
Xylene (total)	1.6		0.20	ppb v/v	TO-15
Xylene (total)	7.1		0.87	ug/m3	TO-15
Styrene	0.049	J	0.20	ppb v/v	TO-15
Styrene	0.21	J	0.85	ug/m3	TO-15
n-Propylbenzene	0.095	J	0.20	ppb v/v	TO-15
n-Propylbenzene	0.47	J	0.98	ug/m3	TO-15
4-Ethyltoluene	0.12	J	0.20	ppb v/v	TO-15
4-Ethyltoluene	0.57	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.16	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene	0.81	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.51		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene	2.5		0.98	ug/m3	TO-15
1,3-Dichlorobenzene	0.18	J B	0.20	ppb v/v	TO-15
1,3-Dichlorobenzene	1.1	J B	1.2	ug/m3	TO-15
1,4-Dichlorobenzene	0.025	J B	0.20	ppb v/v	TO-15
1,4-Dichlorobenzene	0.15	J B	1.2	ug/m3	TO-15
1,2-Dichlorobenzene	0.025	J B	0.20	ppb v/v	TO-15
1,2-Dichlorobenzene	0.15	J B	1.2	ug/m3	TO-15
1,2,4-Trichlorobenzene	0.065	J B	0.50	ppb v/v	TO-15
1,2,4-Trichlorobenzene	0.49	J B	3.7	ug/m3	TO-15

METHOD SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Method	Analyst	Analyst ID
EPA TO-15	Lyons, Benjamin P	BPL

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **GCTS PRE CARBON**

Lab Sample ID: 200-23187-1
Client Matrix: Air

Date Sampled: 07/10/2014 1025
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_025.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/18/2014 0801			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 0801			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.56	J	0.060	1.0
Freon 22	0.29	J	0.096	1.0
Freon-114	0.40	U	0.070	0.40
Chloromethane	0.53	J	0.27	1.0
n-Butane	1.0	U	0.56	1.0
Vinyl chloride	0.40		0.076	0.080
1,3-Butadiene	0.40	U	0.084	0.40
Bromomethane	0.40	U	0.056	0.40
Chloroethane	1.0	U	0.060	1.0
Vinyl bromide	0.40	U	0.060	0.40
Freon 11	0.25	J	0.060	0.40
Freon 113	4.8		0.036	0.40
1,1-Dichloroethene	0.098	J	0.048	0.40
Acetone	10	U	2.5	10
Isopropyl alcohol	10	U	0.43	10
Carbon disulfide	1.0	U	0.13	1.0
Allyl chloride	1.0	U	0.068	1.0
Methylene Chloride	0.31	J	0.25	1.0
tert-Butyl alcohol	10	U	0.66	10
Methyl tert-butyl ether	0.070	J	0.044	0.40
trans-1,2-Dichloroethene	0.23	J	0.058	0.40
Hexane	0.40	U	0.068	0.40
1,1-Dichloroethane	6.2		0.076	0.40
Methyl Ethyl Ketone	1.0	U	0.48	1.0
cis-1,2-Dichloroethene	46		0.076	0.40
1,2-Dichloroethene, Total	46		0.13	0.40
Chloroform	0.61		0.050	0.40
Tetrahydrofuran	0.32	J	0.092	10
1,1,1-Trichloroethane	0.40	U	0.042	0.40
Cyclohexane	0.40	U	0.050	0.40
Carbon tetrachloride	0.080		0.042	0.080
2,2,4-Trimethylpentane	0.40	U	0.054	0.40
Benzene	0.056	J	0.038	0.40
1,2-Dichloroethane	0.40	U	0.034	0.40
Heptane	0.40	U	0.092	0.40
Trichloroethene	42		0.048	0.080
Methyl methacrylate	1.0	U	0.060	1.0
1,2-Dichloropropane	0.40	U	0.064	0.40
1,4-Dioxane	10	U	0.40	10
Bromodichloromethane	0.40	U	0.034	0.40
cis-1,3-Dichloropropene	0.40	U	0.056	0.40
methyl isobutyl ketone	1.0	U	0.054	1.0
Toluene	0.13	J	0.034	0.40
trans-1,3-Dichloropropene	0.40	U	0.044	0.40
1,1,2-Trichloroethane	0.40	U	0.034	0.40
Tetrachloroethene	41		0.032	0.40

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **GCTS PRE CARBON**

Lab Sample ID: 200-23187-1
Client Matrix: Air

Date Sampled: 07/10/2014 1025
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_025.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/18/2014 0801			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 0801			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.0	U	0.40	1.0
Dibromochloromethane	0.40	U	0.040	0.40
1,2-Dibromoethane	0.40	U	0.040	0.40
Chlorobenzene	0.40	U	0.016	0.40
Ethylbenzene	0.037	J	0.026	0.40
m,p-Xylene	0.10	J	0.046	1.0
Xylene, o-	0.063	J	0.032	0.40
Xylene (total)	0.16	J	0.068	0.40
Styrene	0.40	U	0.036	0.40
Bromoform	0.40	U	0.020	0.40
1,1,2,2-Tetrachloroethane	0.40	U	0.032	0.40
n-Propylbenzene	0.40	U	0.16	0.40
4-Ethyltoluene	0.40	U	0.036	0.40
1,3,5-Trimethylbenzene	0.40	U	0.024	0.40
2-Chlorotoluene	0.40	U	0.026	0.40
tert-Butylbenzene	0.40	U	0.034	0.40
1,2,4-Trimethylbenzene	0.071	J	0.028	0.40
sec-Butylbenzene	0.40	U	0.16	0.40
4-Isopropyltoluene	0.40	U	0.16	0.40
1,3-Dichlorobenzene	0.40	U	0.028	0.40
1,4-Dichlorobenzene	0.40	U	0.028	0.40
Benzyl chloride	0.40	U	0.16	0.40
n-Butylbenzene	0.40	U	0.16	0.40
1,2-Dichlorobenzene	0.40	U	0.028	0.40
1,2,4-Trichlorobenzene	1.0	U	0.054	1.0
Hexachloro-1,3-butadiene	0.40	U	0.044	0.40
Naphthalene	1.0	U	0.40	1.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.8	J	0.30	4.9
Freon 22	1.0	J	0.34	3.5
Freon-114	2.8	U	0.49	2.8
Chloromethane	1.1	J	0.56	2.1
n-Butane	2.4	U	1.3	2.4
Vinyl chloride	1.0		0.19	0.20
1,3-Butadiene	0.88	U	0.19	0.88
Bromomethane	1.6	U	0.22	1.6
Chloroethane	2.6	U	0.16	2.6
Vinyl bromide	1.7	U	0.26	1.7
Freon 11	1.4	J	0.34	2.2
Freon 113	37		0.28	3.1
1,1-Dichloroethene	0.39	J	0.19	1.6
Acetone	24	U	5.9	24
Isopropyl alcohol	25	U	1.1	25
Carbon disulfide	3.1	U	0.41	3.1
Allyl chloride	3.1	U	0.21	3.1

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **GCTS PRE CARBON**

Lab Sample ID: 200-23187-1
Client Matrix: Air

Date Sampled: 07/10/2014 1025
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_025.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/18/2014 0801			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 0801			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	1.1	J	0.87	3.5
tert-Butyl alcohol	30	U	2.0	30
Methyl tert-butyl ether	0.25	J	0.16	1.4
trans-1,2-Dichloroethene	0.92	J	0.23	1.6
Hexane	1.4	U	0.24	1.4
1,1-Dichloroethane	25		0.31	1.6
Methyl Ethyl Ketone	2.9	U	1.4	2.9
cis-1,2-Dichloroethene	180		0.30	1.6
1,2-Dichloroethene, Total	180		0.51	1.6
Chloroform	3.0		0.24	2.0
Tetrahydrofuran	0.95	J	0.27	29
1,1,1-Trichloroethane	2.2	U	0.23	2.2
Cyclohexane	1.4	U	0.17	1.4
Carbon tetrachloride	0.51		0.26	0.50
2,2,4-Trimethylpentane	1.9	U	0.25	1.9
Benzene	0.18	J	0.12	1.3
1,2-Dichloroethane	1.6	U	0.14	1.6
Heptane	1.6	U	0.38	1.6
Trichloroethene	220		0.26	0.43
Methyl methacrylate	4.1	U	0.25	4.1
1,2-Dichloropropane	1.8	U	0.30	1.8
1,4-Dioxane	36	U	1.4	36
Bromodichloromethane	2.7	U	0.23	2.7
cis-1,3-Dichloropropene	1.8	U	0.25	1.8
methyl isobutyl ketone	4.1	U	0.22	4.1
Toluene	0.49	J	0.13	1.5
trans-1,3-Dichloropropene	1.8	U	0.20	1.8
1,1,2-Trichloroethane	2.2	U	0.19	2.2
Tetrachloroethene	280		0.22	2.7
Methyl Butyl Ketone (2-Hexanone)	4.1	U	1.6	4.1
Dibromochloromethane	3.4	U	0.34	3.4
1,2-Dibromoethane	3.1	U	0.31	3.1
Chlorobenzene	1.8	U	0.075	1.8
Ethylbenzene	0.16	J	0.11	1.7
m,p-Xylene	0.45	J	0.20	4.3
Xylene, o-	0.27	J	0.14	1.7
Xylene (total)	0.71	J	0.30	1.7
Styrene	1.7	U	0.15	1.7
Bromoform	4.1	U	0.21	4.1
1,1,2,2-Tetrachloroethane	2.7	U	0.22	2.7
n-Propylbenzene	2.0	U	0.79	2.0
4-Ethyltoluene	2.0	U	0.18	2.0
1,3,5-Trimethylbenzene	2.0	U	0.12	2.0
2-Chlorotoluene	2.1	U	0.13	2.1
tert-Butylbenzene	2.2	U	0.19	2.2
1,2,4-Trimethylbenzene	0.35	J	0.14	2.0

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **GCTS PRE CARBON**

Lab Sample ID: 200-23187-1
Client Matrix: Air

Date Sampled: 07/10/2014 1025
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_025.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/18/2014 0801			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 0801			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	2.2	U	0.88	2.2
4-Isopropyltoluene	2.2	U	0.88	2.2
1,3-Dichlorobenzene	2.4	U	0.17	2.4
1,4-Dichlorobenzene	2.4	U	0.17	2.4
Benzyl chloride	2.1	U	0.83	2.1
n-Butylbenzene	2.2	U	0.88	2.2
1,2-Dichlorobenzene	2.4	U	0.17	2.4
1,2,4-Trichlorobenzene	7.4	U	0.40	7.4
Hexachloro-1,3-butadiene	4.3	U	0.47	4.3
Naphthalene	5.2	U	2.1	5.2

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **GCTS MID CARBON**

Lab Sample ID: 200-23187-2
Client Matrix: Air

Date Sampled: 07/10/2014 1017
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_026.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/18/2014 0848			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 0848			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.61	J	0.060	1.0
Freon 22	0.32	J	0.096	1.0
Freon-114	0.40	U	0.070	0.40
Chloromethane	0.51	J	0.27	1.0
n-Butane	1.0	U	0.56	1.0
Vinyl chloride	0.47		0.076	0.080
1,3-Butadiene	0.40	U	0.084	0.40
Bromomethane	0.40	U	0.056	0.40
Chloroethane	1.0	U	0.060	1.0
Vinyl bromide	0.40	U	0.060	0.40
Freon 11	0.34	J	0.060	0.40
Freon 113	3.9		0.036	0.40
1,1-Dichloroethene	0.20	J	0.048	0.40
Acetone	3.3	J	2.5	10
Isopropyl alcohol	0.55	J	0.43	10
Carbon disulfide	1.0	U	0.13	1.0
Allyl chloride	1.0	U	0.068	1.0
Methylene Chloride	0.30	J	0.25	1.0
tert-Butyl alcohol	10	U	0.66	10
Methyl tert-butyl ether	0.40	U	0.044	0.40
trans-1,2-Dichloroethene	0.27	J	0.058	0.40
Hexane	0.40	U	0.068	0.40
1,1-Dichloroethane	11		0.076	0.40
Methyl Ethyl Ketone	1.0	U	0.48	1.0
cis-1,2-Dichloroethene	43		0.076	0.40
1,2-Dichloroethene, Total	43		0.13	0.40
Chloroform	0.24	J	0.050	0.40
Tetrahydrofuran	0.35	J	0.092	10
1,1,1-Trichloroethane	0.40	U	0.042	0.40
Cyclohexane	0.40	U	0.050	0.40
Carbon tetrachloride	0.080	U	0.042	0.080
2,2,4-Trimethylpentane	0.40	U	0.054	0.40
Benzene	0.40	U	0.038	0.40
1,2-Dichloroethane	0.40	U	0.034	0.40
Heptane	0.40	U	0.092	0.40
Trichloroethene	0.080	U	0.048	0.080
Methyl methacrylate	1.0	U	0.060	1.0
1,2-Dichloropropane	0.40	U	0.064	0.40
1,4-Dioxane	10	U	0.40	10
Bromodichloromethane	0.40	U	0.034	0.40
cis-1,3-Dichloropropene	0.40	U	0.056	0.40
methyl isobutyl ketone	1.0	U	0.054	1.0
Toluene	0.15	J	0.034	0.40
trans-1,3-Dichloropropene	0.40	U	0.044	0.40
1,1,2-Trichloroethane	0.40	U	0.034	0.40
Tetrachloroethene	0.053	J	0.032	0.40

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **GCTS MID CARBON**

Lab Sample ID: 200-23187-2
Client Matrix: Air

Date Sampled: 07/10/2014 1017
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_026.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/18/2014 0848			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 0848			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.0	U	0.40	1.0
Dibromochloromethane	0.40	U	0.040	0.40
1,2-Dibromoethane	0.40	U	0.040	0.40
Chlorobenzene	0.044	J	0.016	0.40
Ethylbenzene	0.057	J	0.026	0.40
m,p-Xylene	0.25	J	0.046	1.0
Xylene, o-	0.19	J	0.032	0.40
Xylene (total)	0.44		0.068	0.40
Styrene	0.40	U	0.036	0.40
Bromoform	0.40	U	0.020	0.40
1,1,2,2-Tetrachloroethane	0.40	U	0.032	0.40
n-Propylbenzene	0.40	U	0.16	0.40
4-Ethyltoluene	0.40	U	0.036	0.40
1,3,5-Trimethylbenzene	0.070	J	0.024	0.40
2-Chlorotoluene	0.40	U	0.026	0.40
tert-Butylbenzene	0.40	U	0.034	0.40
1,2,4-Trimethylbenzene	0.18	J	0.028	0.40
sec-Butylbenzene	0.40	U	0.16	0.40
4-Isopropyltoluene	0.40	U	0.16	0.40
1,3-Dichlorobenzene	0.40	U	0.028	0.40
1,4-Dichlorobenzene	0.40	U	0.028	0.40
Benzyl chloride	0.40	U	0.16	0.40
n-Butylbenzene	0.40	U	0.16	0.40
1,2-Dichlorobenzene	0.40	U	0.028	0.40
1,2,4-Trichlorobenzene	1.0	U	0.054	1.0
Hexachloro-1,3-butadiene	0.40	U	0.044	0.40
Naphthalene	1.0	U	0.40	1.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	3.0	J	0.30	4.9
Freon 22	1.1	J	0.34	3.5
Freon-114	2.8	U	0.49	2.8
Chloromethane	1.0	J	0.56	2.1
n-Butane	2.4	U	1.3	2.4
Vinyl chloride	1.2		0.19	0.20
1,3-Butadiene	0.88	U	0.19	0.88
Bromomethane	1.6	U	0.22	1.6
Chloroethane	2.6	U	0.16	2.6
Vinyl bromide	1.7	U	0.26	1.7
Freon 11	1.9	J	0.34	2.2
Freon 113	30		0.28	3.1
1,1-Dichloroethene	0.79	J	0.19	1.6
Acetone	7.7	J	5.9	24
Isopropyl alcohol	1.4	J	1.1	25
Carbon disulfide	3.1	U	0.41	3.1
Allyl chloride	3.1	U	0.21	3.1

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **GCTS MID CARBON**

Lab Sample ID: 200-23187-2
Client Matrix: Air

Date Sampled: 07/10/2014 1017
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_026.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/18/2014 0848			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 0848			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	1.1	J	0.87	3.5
tert-Butyl alcohol	30	U	2.0	30
Methyl tert-butyl ether	1.4	U	0.16	1.4
trans-1,2-Dichloroethene	1.1	J	0.23	1.6
Hexane	1.4	U	0.24	1.4
1,1-Dichloroethane	44		0.31	1.6
Methyl Ethyl Ketone	2.9	U	1.4	2.9
cis-1,2-Dichloroethene	170		0.30	1.6
1,2-Dichloroethene, Total	170		0.51	1.6
Chloroform	1.2	J	0.24	2.0
Tetrahydrofuran	1.0	J	0.27	29
1,1,1-Trichloroethane	2.2	U	0.23	2.2
Cyclohexane	1.4	U	0.17	1.4
Carbon tetrachloride	0.50	U	0.26	0.50
2,2,4-Trimethylpentane	1.9	U	0.25	1.9
Benzene	1.3	U	0.12	1.3
1,2-Dichloroethane	1.6	U	0.14	1.6
Heptane	1.6	U	0.38	1.6
Trichloroethene	0.43	U	0.26	0.43
Methyl methacrylate	4.1	U	0.25	4.1
1,2-Dichloropropane	1.8	U	0.30	1.8
1,4-Dioxane	36	U	1.4	36
Bromodichloromethane	2.7	U	0.23	2.7
cis-1,3-Dichloropropene	1.8	U	0.25	1.8
methyl isobutyl ketone	4.1	U	0.22	4.1
Toluene	0.57	J	0.13	1.5
trans-1,3-Dichloropropene	1.8	U	0.20	1.8
1,1,2-Trichloroethane	2.2	U	0.19	2.2
Tetrachloroethene	0.36	J	0.22	2.7
Methyl Butyl Ketone (2-Hexanone)	4.1	U	1.6	4.1
Dibromochloromethane	3.4	U	0.34	3.4
1,2-Dibromoethane	3.1	U	0.31	3.1
Chlorobenzene	0.20	J	0.075	1.8
Ethylbenzene	0.25	J	0.11	1.7
m,p-Xylene	1.1	J	0.20	4.3
Xylene, o-	0.84	J	0.14	1.7
Xylene (total)	1.9		0.30	1.7
Styrene	1.7	U	0.15	1.7
Bromoform	4.1	U	0.21	4.1
1,1,2,2-Tetrachloroethane	2.7	U	0.22	2.7
n-Propylbenzene	2.0	U	0.79	2.0
4-Ethyltoluene	2.0	U	0.18	2.0
1,3,5-Trimethylbenzene	0.35	J	0.12	2.0
2-Chlorotoluene	2.1	U	0.13	2.1
tert-Butylbenzene	2.2	U	0.19	2.2
1,2,4-Trimethylbenzene	0.86	J	0.14	2.0

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **GCTS MID CARBON**

Lab Sample ID: 200-23187-2
Client Matrix: Air

Date Sampled: 07/10/2014 1017
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_026.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/18/2014 0848			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 0848			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	2.2	U	0.88	2.2
4-Isopropyltoluene	2.2	U	0.88	2.2
1,3-Dichlorobenzene	2.4	U	0.17	2.4
1,4-Dichlorobenzene	2.4	U	0.17	2.4
Benzyl chloride	2.1	U	0.83	2.1
n-Butylbenzene	2.2	U	0.88	2.2
1,2-Dichlorobenzene	2.4	U	0.17	2.4
1,2,4-Trichlorobenzene	7.4	U	0.40	7.4
Hexachloro-1,3-butadiene	4.3	U	0.47	4.3
Naphthalene	5.2	U	2.1	5.2

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **GCTS POST CARBON**

Lab Sample ID: 200-23187-3
Client Matrix: Air

Date Sampled: 07/10/2014 1012
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_007.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/17/2014 1550			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1550			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.54		0.030	0.50
Freon 22	0.35	J	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.58		0.14	0.50
n-Butane	2.0		0.28	0.50
Vinyl chloride	0.30		0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	1.4		0.030	0.20
Freon 113	5.5		0.018	0.20
1,1-Dichloroethene	0.14	J	0.024	0.20
Acetone	1.8	J	1.3	5.0
Isopropyl alcohol	0.24	J	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.39	J	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.080	J	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	4.3		0.038	0.20
Methyl Ethyl Ketone	0.89		0.24	0.50
cis-1,2-Dichloroethene	7.6		0.038	0.20
1,2-Dichloroethene, Total	7.7		0.064	0.20
Chloroform	0.097	J	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.029	J	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.031	J	0.027	0.50
Toluene	0.052	J	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.20	U	0.016	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **GCTS POST CARBON**

Lab Sample ID: 200-23187-3
Client Matrix: Air

Date Sampled: 07/10/2014 1012
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_007.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/17/2014 1550			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1550			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.017	J	0.0081	0.20
Ethylbenzene	0.026	J	0.013	0.20
m,p-Xylene	0.088	J	0.023	0.50
Xylene, o-	0.058	J	0.016	0.20
Xylene (total)	0.15	J	0.034	0.20
Styrene	0.040	J	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.019	J	0.018	0.20
1,3,5-Trimethylbenzene	0.023	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.075	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.7		0.15	2.5
Freon 22	1.2	J	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.2		0.28	1.0
n-Butane	4.7		0.67	1.2
Vinyl chloride	0.77		0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	7.9		0.17	1.1
Freon 113	42		0.14	1.5
1,1-Dichloroethene	0.57	J	0.095	0.79
Acetone	4.4	J	3.0	12
Isopropyl alcohol	0.60	J	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **GCTS POST CARBON**

Lab Sample ID: 200-23187-3
Client Matrix: Air

Date Sampled: 07/10/2014 1012
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_007.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/17/2014 1550			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1550			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	1.4	J	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.32	J	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	17		0.15	0.81
Methyl Ethyl Ketone	2.6		0.71	1.5
cis-1,2-Dichloroethene	30		0.15	0.79
1,2-Dichloroethene, Total	30		0.25	0.79
Chloroform	0.47	J	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.094	J	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	0.13	J	0.11	2.0
Toluene	0.20	J	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.077	J	0.037	0.92
Ethylbenzene	0.11	J	0.056	0.87
m,p-Xylene	0.38	J	0.10	2.2
Xylene, o-	0.25	J	0.069	0.87
Xylene (total)	0.63	J	0.15	0.87
Styrene	0.17	J	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.094	J	0.088	0.98
1,3,5-Trimethylbenzene	0.11	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.37	J	0.069	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **GCTS POST CARBON**

Lab Sample ID: 200-23187-3
Client Matrix: Air

Date Sampled: 07/10/2014 1012
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_007.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/17/2014 1550			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1550			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SSDS MID-CARBON**

Lab Sample ID: 200-23187-4
Client Matrix: Air

Date Sampled: 07/10/2014 1645
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_008.d
Dilution:	6.0			Initial Weight/Volume:	125 mL
Analysis Date:	07/17/2014 1640			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1640			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	5.6		0.18	3.0
Freon 22	2.5	J	0.29	3.0
Freon-114	1.2	U	0.21	1.2
Chloromethane	1.4	J	0.82	3.0
n-Butane	21		1.7	3.0
Vinyl chloride	0.24	U	0.23	0.24
1,3-Butadiene	1.2	U	0.25	1.2
Bromomethane	1.2	U	0.17	1.2
Chloroethane	3.0	U	0.18	3.0
Vinyl bromide	1.2	U	0.18	1.2
Freon 11	5.5		0.18	1.2
Freon 113	1.5		0.11	1.2
1,1-Dichloroethene	1.2	U	0.14	1.2
Acetone	8.2	J	7.5	30
Isopropyl alcohol	130		1.3	30
Carbon disulfide	3.0	U	0.40	3.0
Allyl chloride	3.0	U	0.20	3.0
Methylene Chloride	130		0.75	3.0
tert-Butyl alcohol	30	U	2.0	30
Methyl tert-butyl ether	1.2	U	0.13	1.2
trans-1,2-Dichloroethene	1.9		0.17	1.2
Hexane	1.2	U	0.20	1.2
1,1-Dichloroethane	0.67	J	0.23	1.2
Methyl Ethyl Ketone	1.6	J	1.5	3.0
cis-1,2-Dichloroethene	3.0		0.23	1.2
1,2-Dichloroethene, Total	4.9		0.38	1.2
Chloroform	9.5		0.15	1.2
Tetrahydrofuran	30	U	0.28	30
1,1,1-Trichloroethane	1.6		0.13	1.2
Cyclohexane	1.9		0.15	1.2
Carbon tetrachloride	0.22	J	0.13	0.24
2,2,4-Trimethylpentane	1.2	U	0.16	1.2
Benzene	2.6		0.11	1.2
1,2-Dichloroethane	1.2	U	0.10	1.2
Heptane	1.2	U	0.28	1.2
Trichloroethene	0.29		0.14	0.24
Methyl methacrylate	3.0	U	0.18	3.0
1,2-Dichloropropane	1.2	U	0.19	1.2
1,4-Dioxane	30	U	1.2	30
Bromodichloromethane	1.2	U	0.10	1.2
cis-1,3-Dichloropropene	1.2	U	0.17	1.2
methyl isobutyl ketone	1.7	J	0.16	3.0
Toluene	0.69	J	0.10	1.2
trans-1,3-Dichloropropene	1.2	U	0.13	1.2
1,1,2-Trichloroethane	1.2	U	0.10	1.2
Tetrachloroethene	1.2	U	0.096	1.2

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SSDS MID-CARBON**

Lab Sample ID: 200-23187-4
Client Matrix: Air

Date Sampled: 07/10/2014 1645
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_008.d
Dilution:	6.0			Initial Weight/Volume:	125 mL
Analysis Date:	07/17/2014 1640			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1640			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	3.0	U	1.2	3.0
Dibromochloromethane	1.2	U	0.12	1.2
1,2-Dibromoethane	1.2	U	0.12	1.2
Chlorobenzene	1.2	U	0.049	1.2
Ethylbenzene	0.62	J	0.078	1.2
m,p-Xylene	2.1	J	0.14	3.0
Xylene, o-	0.76	J	0.096	1.2
Xylene (total)	2.9		0.20	1.2
Styrene	1.2	U	0.11	1.2
Bromoform	1.2	U	0.060	1.2
1,1,2,2-Tetrachloroethane	1.2	U	0.096	1.2
n-Propylbenzene	1.2	U	0.48	1.2
4-Ethyltoluene	0.23	J	0.11	1.2
1,3,5-Trimethylbenzene	0.33	J	0.072	1.2
2-Chlorotoluene	1.2	U	0.078	1.2
tert-Butylbenzene	1.2	U	0.10	1.2
1,2,4-Trimethylbenzene	1.0	J	0.084	1.2
sec-Butylbenzene	1.2	U	0.48	1.2
4-Isopropyltoluene	1.2	U	0.48	1.2
1,3-Dichlorobenzene	0.80	J B	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.2	U	0.48	1.2
n-Butylbenzene	1.2	U	0.48	1.2
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.0	U	0.16	3.0
Hexachloro-1,3-butadiene	1.2	U	0.13	1.2
Naphthalene	3.0	U	1.2	3.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	28		0.89	15
Freon 22	9.0	J	1.0	11
Freon-114	8.4	U	1.5	8.4
Chloromethane	3.0	J	1.7	6.2
n-Butane	49		4.0	7.1
Vinyl chloride	0.61	U	0.58	0.61
1,3-Butadiene	2.7	U	0.56	2.7
Bromomethane	4.7	U	0.65	4.7
Chloroethane	7.9	U	0.47	7.9
Vinyl bromide	5.2	U	0.79	5.2
Freon 11	31		1.0	6.7
Freon 113	11		0.83	9.2
1,1-Dichloroethene	4.8	U	0.57	4.8
Acetone	19	J	18	71
Isopropyl alcohol	320		3.2	74
Carbon disulfide	9.3	U	1.2	9.3
Allyl chloride	9.4	U	0.64	9.4

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SSDS MID-CARBON**

Lab Sample ID: 200-23187-4
Client Matrix: Air

Date Sampled: 07/10/2014 1645
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_008.d
Dilution:	6.0			Initial Weight/Volume:	125 mL
Analysis Date:	07/17/2014 1640			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1640			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	460		2.6	10
tert-Butyl alcohol	91	U	6.0	91
Methyl tert-butyl ether	4.3	U	0.48	4.3
trans-1,2-Dichloroethene	7.7		0.69	4.8
Hexane	4.2	U	0.72	4.2
1,1-Dichloroethane	2.7	J	0.92	4.9
Methyl Ethyl Ketone	4.7	J	4.3	8.8
cis-1,2-Dichloroethene	12		0.90	4.8
1,2-Dichloroethene, Total	19		1.5	4.8
Chloroform	46		0.73	5.9
Tetrahydrofuran	88	U	0.81	88
1,1,1-Trichloroethane	9.0		0.69	6.5
Cyclohexane	6.6		0.52	4.1
Carbon tetrachloride	1.4	J	0.79	1.5
2,2,4-Trimethylpentane	5.6	U	0.76	5.6
Benzene	8.2		0.36	3.8
1,2-Dichloroethane	4.9	U	0.41	4.9
Heptane	4.9	U	1.1	4.9
Trichloroethene	1.6		0.77	1.3
Methyl methacrylate	12	U	0.74	12
1,2-Dichloropropane	5.5	U	0.89	5.5
1,4-Dioxane	110	U	4.3	110
Bromodichloromethane	8.0	U	0.68	8.0
cis-1,3-Dichloropropene	5.4	U	0.76	5.4
methyl isobutyl ketone	6.8	J	0.66	12
Toluene	2.6	J	0.38	4.5
trans-1,3-Dichloropropene	5.4	U	0.60	5.4
1,1,2-Trichloroethane	6.5	U	0.56	6.5
Tetrachloroethene	8.1	U	0.65	8.1
Methyl Butyl Ketone (2-Hexanone)	12	U	4.9	12
Dibromochloromethane	10	U	1.0	10
1,2-Dibromoethane	9.2	U	0.92	9.2
Chlorobenzene	5.5	U	0.22	5.5
Ethylbenzene	2.7	J	0.34	5.2
m,p-Xylene	9.1	J	0.60	13
Xylene, o-	3.3	J	0.42	5.2
Xylene (total)	12		0.89	5.2
Styrene	5.1	U	0.46	5.1
Bromoform	12	U	0.62	12
1,1,2,2-Tetrachloroethane	8.2	U	0.66	8.2
n-Propylbenzene	5.9	U	2.4	5.9
4-Ethyltoluene	1.1	J	0.53	5.9
1,3,5-Trimethylbenzene	1.6	J	0.35	5.9
2-Chlorotoluene	6.2	U	0.40	6.2
tert-Butylbenzene	6.6	U	0.56	6.6
1,2,4-Trimethylbenzene	5.1	J	0.41	5.9

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SSDS MID-CARBON**

Lab Sample ID: 200-23187-4
Client Matrix: Air

Date Sampled: 07/10/2014 1645
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_008.d
Dilution:	6.0			Initial Weight/Volume:	125 mL
Analysis Date:	07/17/2014 1640			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1640			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	6.6	U	2.6	6.6
4-Isopropyltoluene	6.6	U	2.6	6.6
1,3-Dichlorobenzene	4.8	J B	0.51	7.2
1,4-Dichlorobenzene	7.2	U	0.51	7.2
Benzyl chloride	6.2	U	2.5	6.2
n-Butylbenzene	6.6	U	2.6	6.6
1,2-Dichlorobenzene	7.2	U	0.51	7.2
1,2,4-Trichlorobenzene	22	U	1.2	22
Hexachloro-1,3-butadiene	13	U	1.4	13
Naphthalene	16	U	6.3	16

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SSDS EFFLUENT(POST CARBON)**

Lab Sample ID: 200-23187-5
Client Matrix: Air

Date Sampled: 07/10/2014 1641
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/17/2014 1731			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1731			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	1.4		0.030	0.50
Freon 22	0.77		0.048	0.50
Freon-114	0.14	J	0.035	0.20
Chloromethane	0.38	J	0.14	0.50
n-Butane	3.3		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	3.3		0.030	0.20
Freon 113	0.20	U	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	2.8	J	1.3	5.0
Isopropyl alcohol	28		0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	24		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.47		0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.11	J	0.038	0.20
Methyl Ethyl Ketone	0.39	J	0.24	0.50
cis-1,2-Dichloroethene	0.48		0.038	0.20
1,2-Dichloroethene, Total	0.95		0.064	0.20
Chloroform	0.91		0.025	0.20
Tetrahydrofuran	0.85	J	0.046	5.0
1,1,1-Trichloroethane	0.056	J	0.021	0.20
Cyclohexane	0.10	J	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.026	J	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.46	J	0.027	0.50
Toluene	0.14	J	0.017	0.20
trans-1,3-Dichloropropene	0.10	J	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.018	J	0.016	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SSDS EFFLUENT(POST CARBON)**

Lab Sample ID: 200-23187-5
Client Matrix: Air

Date Sampled: 07/10/2014 1641
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/17/2014 1731			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1731			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.0094	J	0.0081	0.20
Ethylbenzene	0.17	J	0.013	0.20
m,p-Xylene	0.60		0.023	0.50
Xylene, o-	0.23		0.016	0.20
Xylene (total)	0.83		0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.088	J	0.018	0.20
1,3,5-Trimethylbenzene	0.12	J	0.012	0.20
2-Chlorotoluene	0.017	J	0.013	0.20
tert-Butylbenzene	0.051	J	0.017	0.20
1,2,4-Trimethylbenzene	0.40		0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.16	J B	0.014	0.20
1,4-Dichlorobenzene	0.026	J B	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	7.0		0.15	2.5
Freon 22	2.7		0.17	1.8
Freon-114	0.96	J	0.24	1.4
Chloromethane	0.78	J	0.28	1.0
n-Butane	7.7		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	19		0.17	1.1
Freon 113	1.5	U	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	6.6	J	3.0	12
Isopropyl alcohol	69		0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SSDS EFFLUENT(POST CARBON)**

Lab Sample ID: 200-23187-5
Client Matrix: Air

Date Sampled: 07/10/2014 1641
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/17/2014 1731			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1731			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	82		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	1.9		0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.43	J	0.15	0.81
Methyl Ethyl Ketone	1.2	J	0.71	1.5
cis-1,2-Dichloroethene	1.9		0.15	0.79
1,2-Dichloroethene, Total	3.8		0.25	0.79
Chloroform	4.5		0.12	0.98
Tetrahydrofuran	2.5	J	0.14	15
1,1,1-Trichloroethane	0.31	J	0.11	1.1
Cyclohexane	0.35	J	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.082	J	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	1.9	J	0.11	2.0
Toluene	0.52	J	0.064	0.75
trans-1,3-Dichloropropene	0.46	J	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	0.12	J	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.043	J	0.037	0.92
Ethylbenzene	0.73	J	0.056	0.87
m,p-Xylene	2.6		0.10	2.2
Xylene, o-	1.0		0.069	0.87
Xylene (total)	3.6		0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.43	J	0.088	0.98
1,3,5-Trimethylbenzene	0.57	J	0.059	0.98
2-Chlorotoluene	0.088	J	0.067	1.0
tert-Butylbenzene	0.28	J	0.093	1.1
1,2,4-Trimethylbenzene	2.0		0.069	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SSDS EFFLUENT(POST CARBON)**

Lab Sample ID: 200-23187-5
Client Matrix: Air

Date Sampled: 07/10/2014 1641
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/17/2014 1731			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1731			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	0.95	J B	0.084	1.2
1,4-Dichlorobenzene	0.16	J B	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-1**

Lab Sample ID: 200-23187-6
Client Matrix: Air

Date Sampled: 07/10/2014 1525
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_010.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/17/2014 1821			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1821			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	4.0		0.15	2.5
Freon 22	0.45	J	0.24	2.5
Freon-114	1.0	U	0.18	1.0
Chloromethane	2.5	U	0.68	2.5
n-Butane	2.5	U	1.4	2.5
Vinyl chloride	0.20	U	0.19	0.20
1,3-Butadiene	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.14	1.0
Chloroethane	2.5	U	0.15	2.5
Vinyl bromide	1.0	U	0.15	1.0
Freon 11	0.75	J	0.15	1.0
Freon 113	0.15	J	0.090	1.0
1,1-Dichloroethene	1.0	U	0.12	1.0
Acetone	25	U	6.3	25
Isopropyl alcohol	4.8	J	1.1	25
Carbon disulfide	2.5	U	0.33	2.5
Allyl chloride	2.5	U	0.17	2.5
Methylene Chloride	2.3	J	0.63	2.5
tert-Butyl alcohol	25	U	1.6	25
Methyl tert-butyl ether	1.0	U	0.11	1.0
trans-1,2-Dichloroethene	0.43	J	0.15	1.0
Hexane	1.0	U	0.17	1.0
1,1-Dichloroethane	1.0	U	0.19	1.0
Methyl Ethyl Ketone	2.5	U	1.2	2.5
cis-1,2-Dichloroethene	3.3		0.19	1.0
1,2-Dichloroethene, Total	3.7		0.32	1.0
Chloroform	3.4		0.13	1.0
Tetrahydrofuran	25	U	0.23	25
1,1,1-Trichloroethane	1.0	U	0.11	1.0
Cyclohexane	6.3		0.13	1.0
Carbon tetrachloride	0.20	U	0.11	0.20
2,2,4-Trimethylpentane	1.0	U	0.14	1.0
Benzene	1.0	U	0.095	1.0
1,2-Dichloroethane	1.0	U	0.085	1.0
Heptane	1.0	U	0.23	1.0
Trichloroethene	9.8		0.12	0.20
Methyl methacrylate	2.5	U	0.15	2.5
1,2-Dichloropropane	1.0	U	0.16	1.0
1,4-Dioxane	25	U	1.0	25
Bromodichloromethane	1.0	U	0.085	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
methyl isobutyl ketone	2.5	U	0.14	2.5
Toluene	0.16	J	0.085	1.0
trans-1,3-Dichloropropene	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.085	1.0
Tetrachloroethene	180		0.080	1.0

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-1**

Lab Sample ID: 200-23187-6
Client Matrix: Air

Date Sampled: 07/10/2014 1525
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_010.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/17/2014 1821			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1821			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	2.5	U	1.0	2.5
Dibromochloromethane	1.0	U	0.10	1.0
1,2-Dibromoethane	1.0	U	0.10	1.0
Chlorobenzene	1.0	U	0.041	1.0
Ethylbenzene	0.088	J	0.065	1.0
m,p-Xylene	2.5	U	0.12	2.5
Xylene, o-	1.0	U	0.080	1.0
Xylene (total)	1.0	U	0.17	1.0
Styrene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.050	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.080	1.0
n-Propylbenzene	1.0	U	0.40	1.0
4-Ethyltoluene	1.0	U	0.090	1.0
1,3,5-Trimethylbenzene	1.0	U	0.060	1.0
2-Chlorotoluene	1.0	U	0.065	1.0
tert-Butylbenzene	1.0	U	0.085	1.0
1,2,4-Trimethylbenzene	1.0	U	0.070	1.0
sec-Butylbenzene	1.0	U	0.40	1.0
4-Isopropyltoluene	1.0	U	0.40	1.0
1,3-Dichlorobenzene	0.075	J B	0.070	1.0
1,4-Dichlorobenzene	1.0	U	0.070	1.0
Benzyl chloride	1.0	U	0.40	1.0
n-Butylbenzene	1.0	U	0.40	1.0
1,2-Dichlorobenzene	1.0	U	0.070	1.0
1,2,4-Trichlorobenzene	2.5	U	0.14	2.5
Hexachloro-1,3-butadiene	1.0	U	0.11	1.0
Naphthalene	2.5	U	1.0	2.5

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	20		0.74	12
Freon 22	1.6	J	0.85	8.8
Freon-114	7.0	U	1.2	7.0
Chloromethane	5.2	U	1.4	5.2
n-Butane	5.9	U	3.4	5.9
Vinyl chloride	0.51	U	0.49	0.51
1,3-Butadiene	2.2	U	0.46	2.2
Bromomethane	3.9	U	0.54	3.9
Chloroethane	6.6	U	0.40	6.6
Vinyl bromide	4.4	U	0.66	4.4
Freon 11	4.2	J	0.84	5.6
Freon 113	1.2	J	0.69	7.7
1,1-Dichloroethene	4.0	U	0.48	4.0
Acetone	59	U	15	59
Isopropyl alcohol	12	J	2.6	61
Carbon disulfide	7.8	U	1.0	7.8
Allyl chloride	7.8	U	0.53	7.8

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-1**

Lab Sample ID: 200-23187-6
Client Matrix: Air

Date Sampled: 07/10/2014 1525
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_010.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/17/2014 1821			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1821			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	8.0	J	2.2	8.7
tert-Butyl alcohol	76	U	5.0	76
Methyl tert-butyl ether	3.6	U	0.40	3.6
trans-1,2-Dichloroethene	1.7	J	0.57	4.0
Hexane	3.5	U	0.60	3.5
1,1-Dichloroethane	4.0	U	0.77	4.0
Methyl Ethyl Ketone	7.4	U	3.6	7.4
cis-1,2-Dichloroethene	13		0.75	4.0
1,2-Dichloroethene, Total	15		1.3	4.0
Chloroform	17		0.61	4.9
Tetrahydrofuran	74	U	0.68	74
1,1,1-Trichloroethane	5.5	U	0.57	5.5
Cyclohexane	22		0.43	3.4
Carbon tetrachloride	1.3	U	0.66	1.3
2,2,4-Trimethylpentane	4.7	U	0.63	4.7
Benzene	3.2	U	0.30	3.2
1,2-Dichloroethane	4.0	U	0.34	4.0
Heptane	4.1	U	0.94	4.1
Trichloroethene	53		0.64	1.1
Methyl methacrylate	10	U	0.61	10
1,2-Dichloropropane	4.6	U	0.74	4.6
1,4-Dioxane	90	U	3.6	90
Bromodichloromethane	6.7	U	0.57	6.7
cis-1,3-Dichloropropene	4.5	U	0.64	4.5
methyl isobutyl ketone	10	U	0.55	10
Toluene	0.59	J	0.32	3.8
trans-1,3-Dichloropropene	4.5	U	0.50	4.5
1,1,2-Trichloroethane	5.5	U	0.46	5.5
Tetrachloroethene	1300		0.54	6.8
Methyl Butyl Ketone (2-Hexanone)	10	U	4.1	10
Dibromochloromethane	8.5	U	0.85	8.5
1,2-Dibromoethane	7.7	U	0.77	7.7
Chlorobenzene	4.6	U	0.19	4.6
Ethylbenzene	0.38	J	0.28	4.3
m,p-Xylene	11	U	0.50	11
Xylene, o-	4.3	U	0.35	4.3
Xylene (total)	4.3	U	0.74	4.3
Styrene	4.3	U	0.38	4.3
Bromoform	10	U	0.52	10
1,1,2,2-Tetrachloroethane	6.9	U	0.55	6.9
n-Propylbenzene	4.9	U	2.0	4.9
4-Ethyltoluene	4.9	U	0.44	4.9
1,3,5-Trimethylbenzene	4.9	U	0.29	4.9
2-Chlorotoluene	5.2	U	0.34	5.2
tert-Butylbenzene	5.5	U	0.47	5.5
1,2,4-Trimethylbenzene	4.9	U	0.34	4.9

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-1**

Lab Sample ID: 200-23187-6
Client Matrix: Air

Date Sampled: 07/10/2014 1525
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_010.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/17/2014 1821			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1821			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	5.5	U	2.2	5.5
4-Isopropyltoluene	5.5	U	2.2	5.5
1,3-Dichlorobenzene	0.45	J B	0.42	6.0
1,4-Dichlorobenzene	6.0	U	0.42	6.0
Benzyl chloride	5.2	U	2.1	5.2
n-Butylbenzene	5.5	U	2.2	5.5
1,2-Dichlorobenzene	6.0	U	0.42	6.0
1,2,4-Trichlorobenzene	19	U	1.0	19
Hexachloro-1,3-butadiene	11	U	1.2	11
Naphthalene	13	U	5.2	13

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-2**

Lab Sample ID: 200-23187-7
Client Matrix: Air

Date Sampled: 07/10/2014 1534
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_011.d
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2014 1909			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1909			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	7.4		0.24	4.0
Freon 22	4.0	U	0.38	4.0
Freon-114	1.6	U	0.28	1.6
Chloromethane	4.0	U	1.1	4.0
n-Butane	4.0	U	2.3	4.0
Vinyl chloride	0.32	U	0.30	0.32
1,3-Butadiene	1.6	U	0.34	1.6
Bromomethane	1.6	U	0.22	1.6
Chloroethane	4.0	U	0.24	4.0
Vinyl bromide	1.6	U	0.24	1.6
Freon 11	1.1	J	0.24	1.6
Freon 113	1.6	U	0.14	1.6
1,1-Dichloroethene	1.6	U	0.19	1.6
Acetone	11	J	10	40
Isopropyl alcohol	200		1.7	40
Carbon disulfide	4.0	U	0.53	4.0
Allyl chloride	4.0	U	0.27	4.0
Methylene Chloride	2.7	J	1.0	4.0
tert-Butyl alcohol	40	U	2.6	40
Methyl tert-butyl ether	1.6	U	0.18	1.6
trans-1,2-Dichloroethene	1.6	U	0.23	1.6
Hexane	1.6	U	0.27	1.6
1,1-Dichloroethane	1.6	U	0.30	1.6
Methyl Ethyl Ketone	4.0	U	1.9	4.0
cis-1,2-Dichloroethene	1.6	U	0.30	1.6
1,2-Dichloroethene, Total	1.6	U	0.51	1.6
Chloroform	1.6	U	0.20	1.6
Tetrahydrofuran	40	U	0.37	40
1,1,1-Trichloroethane	2.4		0.17	1.6
Cyclohexane	6.8		0.20	1.6
Carbon tetrachloride	0.32	U	0.17	0.32
2,2,4-Trimethylpentane	1.6	U	0.22	1.6
Benzene	1.6	U	0.15	1.6
1,2-Dichloroethane	1.6	U	0.14	1.6
Heptane	1.6	U	0.37	1.6
Trichloroethene	4.7		0.19	0.32
Methyl methacrylate	4.0	U	0.24	4.0
1,2-Dichloropropane	1.6	U	0.26	1.6
1,4-Dioxane	40	U	1.6	40
Bromodichloromethane	1.6	U	0.14	1.6
cis-1,3-Dichloropropene	1.6	U	0.22	1.6
methyl isobutyl ketone	4.0	U	0.22	4.0
Toluene	1.6	U	0.14	1.6
trans-1,3-Dichloropropene	1.6	U	0.18	1.6
1,1,2-Trichloroethane	1.6	U	0.14	1.6
Tetrachloroethene	8.9		0.13	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-2**

Lab Sample ID: 200-23187-7
Client Matrix: Air

Date Sampled: 07/10/2014 1534
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_011.d
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2014 1909			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1909			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	4.0	U	1.6	4.0
Dibromochloromethane	1.6	U	0.16	1.6
1,2-Dibromoethane	1.6	U	0.16	1.6
Chlorobenzene	1.6	U	0.065	1.6
Ethylbenzene	0.13	J	0.10	1.6
m,p-Xylene	0.20	J	0.18	4.0
Xylene, o-	1.6	U	0.13	1.6
Xylene (total)	1.6	U	0.27	1.6
Styrene	1.6	U	0.14	1.6
Bromoform	1.6	U	0.080	1.6
1,1,2,2-Tetrachloroethane	1.6	U	0.13	1.6
n-Propylbenzene	1.6	U	0.64	1.6
4-Ethyltoluene	1.6	U	0.14	1.6
1,3,5-Trimethylbenzene	1.6	U	0.096	1.6
2-Chlorotoluene	1.6	U	0.10	1.6
tert-Butylbenzene	1.6	U	0.14	1.6
1,2,4-Trimethylbenzene	1.6	U	0.11	1.6
sec-Butylbenzene	1.6	U	0.64	1.6
4-Isopropyltoluene	1.6	U	0.64	1.6
1,3-Dichlorobenzene	1.6	U	0.11	1.6
1,4-Dichlorobenzene	1.6	U	0.11	1.6
Benzyl chloride	1.6	U	0.64	1.6
n-Butylbenzene	1.6	U	0.64	1.6
1,2-Dichlorobenzene	1.6	U	0.11	1.6
1,2,4-Trichlorobenzene	4.0	U	0.22	4.0
Hexachloro-1,3-butadiene	1.6	U	0.18	1.6
Naphthalene	4.0	U	1.6	4.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	37		1.2	20
Freon 22	14	U	1.4	14
Freon-114	11	U	2.0	11
Chloromethane	8.3	U	2.2	8.3
n-Butane	9.5	U	5.4	9.5
Vinyl chloride	0.82	U	0.78	0.82
1,3-Butadiene	3.5	U	0.74	3.5
Bromomethane	6.2	U	0.87	6.2
Chloroethane	11	U	0.63	11
Vinyl bromide	7.0	U	1.0	7.0
Freon 11	6.2	J	1.3	9.0
Freon 113	12	U	1.1	12
1,1-Dichloroethene	6.3	U	0.76	6.3
Acetone	26	J	24	95
Isopropyl alcohol	480		4.2	98
Carbon disulfide	12	U	1.6	12
Allyl chloride	13	U	0.85	13

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-2**

Lab Sample ID: 200-23187-7
Client Matrix: Air

Date Sampled: 07/10/2014 1534
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_011.d
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2014 1909			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1909			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	9.3	J	3.5	14
tert-Butyl alcohol	120	U	8.0	120
Methyl tert-butyl ether	5.8	U	0.63	5.8
trans-1,2-Dichloroethene	6.3	U	0.92	6.3
Hexane	5.6	U	0.96	5.6
1,1-Dichloroethane	6.5	U	1.2	6.5
Methyl Ethyl Ketone	12	U	5.7	12
cis-1,2-Dichloroethene	6.3	U	1.2	6.3
1,2-Dichloroethene, Total	6.3	U	2.0	6.3
Chloroform	7.8	U	0.98	7.8
Tetrahydrofuran	120	U	1.1	120
1,1,1-Trichloroethane	13		0.92	8.7
Cyclohexane	23		0.69	5.5
Carbon tetrachloride	2.0	U	1.1	2.0
2,2,4-Trimethylpentane	7.5	U	1.0	7.5
Benzene	5.1	U	0.49	5.1
1,2-Dichloroethane	6.5	U	0.55	6.5
Heptane	6.6	U	1.5	6.6
Trichloroethene	25		1.0	1.7
Methyl methacrylate	16	U	0.98	16
1,2-Dichloropropane	7.4	U	1.2	7.4
1,4-Dioxane	140	U	5.8	140
Bromodichloromethane	11	U	0.91	11
cis-1,3-Dichloropropene	7.3	U	1.0	7.3
methyl isobutyl ketone	16	U	0.88	16
Toluene	6.0	U	0.51	6.0
trans-1,3-Dichloropropene	7.3	U	0.80	7.3
1,1,2-Trichloroethane	8.7	U	0.74	8.7
Tetrachloroethene	60		0.87	11
Methyl Butyl Ketone (2-Hexanone)	16	U	6.6	16
Dibromochloromethane	14	U	1.4	14
1,2-Dibromoethane	12	U	1.2	12
Chlorobenzene	7.4	U	0.30	7.4
Ethylbenzene	0.55	J	0.45	6.9
m,p-Xylene	0.88	J	0.80	17
Xylene, o-	6.9	U	0.56	6.9
Xylene (total)	6.9	U	1.2	6.9
Styrene	6.8	U	0.61	6.8
Bromoform	17	U	0.83	17
1,1,2,2-Tetrachloroethane	11	U	0.88	11
n-Propylbenzene	7.9	U	3.1	7.9
4-Ethyltoluene	7.9	U	0.71	7.9
1,3,5-Trimethylbenzene	7.9	U	0.47	7.9
2-Chlorotoluene	8.3	U	0.54	8.3
tert-Butylbenzene	8.8	U	0.75	8.8
1,2,4-Trimethylbenzene	7.9	U	0.55	7.9

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-2**

Lab Sample ID: 200-23187-7
Client Matrix: Air

Date Sampled: 07/10/2014 1534
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_011.d
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2014 1909			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1909			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	8.8	U	3.5	8.8
4-Isopropyltoluene	8.8	U	3.5	8.8
1,3-Dichlorobenzene	9.6	U	0.67	9.6
1,4-Dichlorobenzene	9.6	U	0.67	9.6
Benzyl chloride	8.3	U	3.3	8.3
n-Butylbenzene	8.8	U	3.5	8.8
1,2-Dichlorobenzene	9.6	U	0.67	9.6
1,2,4-Trichlorobenzene	30	U	1.6	30
Hexachloro-1,3-butadiene	17	U	1.9	17
Naphthalene	21	U	8.4	21

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-3**

Lab Sample ID: 200-23187-8
Client Matrix: Air

Date Sampled: 07/10/2014 1555
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_012.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/17/2014 1958			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1958			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.62	J	0.15	2.5
Freon 22	0.79	J	0.24	2.5
Freon-114	1.0	U	0.18	1.0
Chloromethane	2.5	U	0.68	2.5
n-Butane	2.0	J	1.4	2.5
Vinyl chloride	0.20	U	0.19	0.20
1,3-Butadiene	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.14	1.0
Chloroethane	2.5	U	0.15	2.5
Vinyl bromide	1.0	U	0.15	1.0
Freon 11	0.37	J	0.15	1.0
Freon 113	0.17	J	0.090	1.0
1,1-Dichloroethene	1.0	U	0.12	1.0
Acetone	16	J	6.3	25
Isopropyl alcohol	110		1.1	25
Carbon disulfide	2.5	U	0.33	2.5
Allyl chloride	2.5	U	0.17	2.5
Methylene Chloride	71		0.63	2.5
tert-Butyl alcohol	25	U	1.6	25
Methyl tert-butyl ether	1.0	U	0.11	1.0
trans-1,2-Dichloroethene	0.19	J	0.15	1.0
Hexane	0.24	J	0.17	1.0
1,1-Dichloroethane	1.0	U	0.19	1.0
Methyl Ethyl Ketone	1.7	J	1.2	2.5
cis-1,2-Dichloroethene	0.23	J	0.19	1.0
1,2-Dichloroethene, Total	0.42	J	0.32	1.0
Chloroform	0.75	J	0.13	1.0
Tetrahydrofuran	25	U	0.23	25
1,1,1-Trichloroethane	1.0	U	0.11	1.0
Cyclohexane	2.3		0.13	1.0
Carbon tetrachloride	0.20	U	0.11	0.20
2,2,4-Trimethylpentane	1.0	U	0.14	1.0
Benzene	0.23	J	0.095	1.0
1,2-Dichloroethane	1.0	U	0.085	1.0
Heptane	1.0	U	0.23	1.0
Trichloroethene	6.0		0.12	0.20
Methyl methacrylate	2.5	U	0.15	2.5
1,2-Dichloropropane	1.0	U	0.16	1.0
1,4-Dioxane	25	U	1.0	25
Bromodichloromethane	1.0	U	0.085	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
methyl isobutyl ketone	2.5	U	0.14	2.5
Toluene	1.4		0.085	1.0
trans-1,3-Dichloropropene	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.085	1.0
Tetrachloroethene	3.6		0.080	1.0

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-3**

Lab Sample ID: 200-23187-8
Client Matrix: Air

Date Sampled: 07/10/2014 1555
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_012.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/17/2014 1958			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1958			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	2.5	U	1.0	2.5
Dibromochloromethane	1.0	U	0.10	1.0
1,2-Dibromoethane	1.0	U	0.10	1.0
Chlorobenzene	1.0	U	0.041	1.0
Ethylbenzene	0.26	J	0.065	1.0
m,p-Xylene	0.68	J	0.12	2.5
Xylene, o-	0.25	J	0.080	1.0
Xylene (total)	0.93	J	0.17	1.0
Styrene	0.20	J	0.090	1.0
Bromoform	1.0	U	0.050	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.080	1.0
n-Propylbenzene	1.0	U	0.40	1.0
4-Ethyltoluene	1.0	U	0.090	1.0
1,3,5-Trimethylbenzene	0.28	J	0.060	1.0
2-Chlorotoluene	1.0	U	0.065	1.0
tert-Butylbenzene	1.0	U	0.085	1.0
1,2,4-Trimethylbenzene	0.38	J	0.070	1.0
sec-Butylbenzene	1.0	U	0.40	1.0
4-Isopropyltoluene	1.0	U	0.40	1.0
1,3-Dichlorobenzene	1.0	U	0.070	1.0
1,4-Dichlorobenzene	1.0	U	0.070	1.0
Benzyl chloride	1.0	U	0.40	1.0
n-Butylbenzene	1.0	U	0.40	1.0
1,2-Dichlorobenzene	1.0	U	0.070	1.0
1,2,4-Trichlorobenzene	2.5	U	0.14	2.5
Hexachloro-1,3-butadiene	1.0	U	0.11	1.0
Naphthalene	2.5	U	1.0	2.5

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	3.1	J	0.74	12
Freon 22	2.8	J	0.85	8.8
Freon-114	7.0	U	1.2	7.0
Chloromethane	5.2	U	1.4	5.2
n-Butane	4.7	J	3.4	5.9
Vinyl chloride	0.51	U	0.49	0.51
1,3-Butadiene	2.2	U	0.46	2.2
Bromomethane	3.9	U	0.54	3.9
Chloroethane	6.6	U	0.40	6.6
Vinyl bromide	4.4	U	0.66	4.4
Freon 11	2.1	J	0.84	5.6
Freon 113	1.3	J	0.69	7.7
1,1-Dichloroethene	4.0	U	0.48	4.0
Acetone	38	J	15	59
Isopropyl alcohol	260		2.6	61
Carbon disulfide	7.8	U	1.0	7.8
Allyl chloride	7.8	U	0.53	7.8

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-3**

Lab Sample ID: 200-23187-8
Client Matrix: Air

Date Sampled: 07/10/2014 1555
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_012.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/17/2014 1958			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1958			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	250		2.2	8.7
tert-Butyl alcohol	76	U	5.0	76
Methyl tert-butyl ether	3.6	U	0.40	3.6
trans-1,2-Dichloroethene	0.74	J	0.57	4.0
Hexane	0.85	J	0.60	3.5
1,1-Dichloroethane	4.0	U	0.77	4.0
Methyl Ethyl Ketone	5.0	J	3.6	7.4
cis-1,2-Dichloroethene	0.93	J	0.75	4.0
1,2-Dichloroethene, Total	1.7	J	1.3	4.0
Chloroform	3.7	J	0.61	4.9
Tetrahydrofuran	74	U	0.68	74
1,1,1-Trichloroethane	5.5	U	0.57	5.5
Cyclohexane	7.9		0.43	3.4
Carbon tetrachloride	1.3	U	0.66	1.3
2,2,4-Trimethylpentane	4.7	U	0.63	4.7
Benzene	0.72	J	0.30	3.2
1,2-Dichloroethane	4.0	U	0.34	4.0
Heptane	4.1	U	0.94	4.1
Trichloroethene	32		0.64	1.1
Methyl methacrylate	10	U	0.61	10
1,2-Dichloropropane	4.6	U	0.74	4.6
1,4-Dioxane	90	U	3.6	90
Bromodichloromethane	6.7	U	0.57	6.7
cis-1,3-Dichloropropene	4.5	U	0.64	4.5
methyl isobutyl ketone	10	U	0.55	10
Toluene	5.2		0.32	3.8
trans-1,3-Dichloropropene	4.5	U	0.50	4.5
1,1,2-Trichloroethane	5.5	U	0.46	5.5
Tetrachloroethene	24		0.54	6.8
Methyl Butyl Ketone (2-Hexanone)	10	U	4.1	10
Dibromochloromethane	8.5	U	0.85	8.5
1,2-Dibromoethane	7.7	U	0.77	7.7
Chlorobenzene	4.6	U	0.19	4.6
Ethylbenzene	1.1	J	0.28	4.3
m,p-Xylene	3.0	J	0.50	11
Xylene, o-	1.1	J	0.35	4.3
Xylene (total)	4.0	J	0.74	4.3
Styrene	0.86	J	0.38	4.3
Bromoform	10	U	0.52	10
1,1,2,2-Tetrachloroethane	6.9	U	0.55	6.9
n-Propylbenzene	4.9	U	2.0	4.9
4-Ethyltoluene	4.9	U	0.44	4.9
1,3,5-Trimethylbenzene	1.4	J	0.29	4.9
2-Chlorotoluene	5.2	U	0.34	5.2
tert-Butylbenzene	5.5	U	0.47	5.5
1,2,4-Trimethylbenzene	1.9	J	0.34	4.9

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-3**

Lab Sample ID: 200-23187-8
Client Matrix: Air

Date Sampled: 07/10/2014 1555
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_012.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/17/2014 1958			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1958			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	5.5	U	2.2	5.5
4-Isopropyltoluene	5.5	U	2.2	5.5
1,3-Dichlorobenzene	6.0	U	0.42	6.0
1,4-Dichlorobenzene	6.0	U	0.42	6.0
Benzyl chloride	5.2	U	2.1	5.2
n-Butylbenzene	5.5	U	2.2	5.5
1,2-Dichlorobenzene	6.0	U	0.42	6.0
1,2,4-Trichlorobenzene	19	U	1.0	19
Hexachloro-1,3-butadiene	11	U	1.2	11
Naphthalene	13	U	5.2	13

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-4**

Lab Sample ID: 200-23187-9
Client Matrix: Air

Date Sampled: 07/10/2014 1543
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_013.d
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	07/17/2014 2048			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 2048			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.60	J	0.075	1.3
Freon 22	1.3	U	0.12	1.3
Freon-114	0.50	U	0.088	0.50
Chloromethane	0.53	J	0.34	1.3
n-Butane	1.3	U	0.71	1.3
Vinyl chloride	0.10	U	0.095	0.10
1,3-Butadiene	0.16	J	0.11	0.50
Bromomethane	0.50	U	0.070	0.50
Chloroethane	1.3	U	0.075	1.3
Vinyl bromide	0.50	U	0.075	0.50
Freon 11	0.35	J	0.075	0.50
Freon 113	0.13	J	0.045	0.50
1,1-Dichloroethene	0.50	U	0.060	0.50
Acetone	8.9	J	3.1	13
Isopropyl alcohol	60		0.54	13
Carbon disulfide	0.21	J	0.17	1.3
Allyl chloride	1.3	U	0.085	1.3
Methylene Chloride	15		0.31	1.3
tert-Butyl alcohol	13	U	0.82	13
Methyl tert-butyl ether	0.50	U	0.055	0.50
trans-1,2-Dichloroethene	0.13	J	0.073	0.50
Hexane	0.25	J	0.085	0.50
1,1-Dichloroethane	0.50	U	0.095	0.50
Methyl Ethyl Ketone	1.3	U	0.61	1.3
cis-1,2-Dichloroethene	0.45	J	0.095	0.50
1,2-Dichloroethene, Total	0.58		0.16	0.50
Chloroform	0.74		0.063	0.50
Tetrahydrofuran	13	U	0.12	13
1,1,1-Trichloroethane	0.50	U	0.053	0.50
Cyclohexane	16		0.063	0.50
Carbon tetrachloride	0.083	J	0.053	0.10
2,2,4-Trimethylpentane	0.50	U	0.068	0.50
Benzene	0.11	J	0.048	0.50
1,2-Dichloroethane	0.50	U	0.043	0.50
Heptane	0.13	J	0.12	0.50
Trichloroethene	2.8		0.060	0.10
Methyl methacrylate	1.3	U	0.075	1.3
1,2-Dichloropropane	0.50	U	0.080	0.50
1,4-Dioxane	13	U	0.50	13
Bromodichloromethane	0.50	U	0.043	0.50
cis-1,3-Dichloropropene	0.50	U	0.070	0.50
methyl isobutyl ketone	1.3	U	0.068	1.3
Toluene	1.1		0.043	0.50
trans-1,3-Dichloropropene	0.50	U	0.055	0.50
1,1,2-Trichloroethane	0.50	U	0.043	0.50
Tetrachloroethene	26		0.040	0.50

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-4**

Lab Sample ID: 200-23187-9
Client Matrix: Air

Date Sampled: 07/10/2014 1543
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_013.d
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	07/17/2014 2048			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 2048			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.3	U	0.50	1.3
Dibromochloromethane	0.50	U	0.050	0.50
1,2-Dibromoethane	0.50	U	0.050	0.50
Chlorobenzene	0.50	U	0.020	0.50
Ethylbenzene	0.60		0.033	0.50
m,p-Xylene	0.93	J	0.058	1.3
Xylene, o-	1.1		0.040	0.50
Xylene (total)	2.0		0.085	0.50
Styrene	0.44	J	0.045	0.50
Bromoform	0.50	U	0.025	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.040	0.50
n-Propylbenzene	0.50	U	0.20	0.50
4-Ethyltoluene	0.25	J	0.045	0.50
1,3,5-Trimethylbenzene	0.67		0.030	0.50
2-Chlorotoluene	0.50	U	0.033	0.50
tert-Butylbenzene	0.50	U	0.043	0.50
1,2,4-Trimethylbenzene	0.72		0.035	0.50
sec-Butylbenzene	0.50	U	0.20	0.50
4-Isopropyltoluene	0.48	J	0.20	0.50
1,3-Dichlorobenzene	0.042	J B	0.035	0.50
1,4-Dichlorobenzene	0.50	U	0.035	0.50
Benzyl chloride	0.50	U	0.20	0.50
n-Butylbenzene	0.50	U	0.20	0.50
1,2-Dichlorobenzene	0.50	U	0.035	0.50
1,2,4-Trichlorobenzene	1.3	U	0.068	1.3
Hexachloro-1,3-butadiene	0.50	U	0.055	0.50
Naphthalene	1.3	U	0.50	1.3

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	3.0	J	0.37	6.2
Freon 22	4.4	U	0.42	4.4
Freon-114	3.5	U	0.61	3.5
Chloromethane	1.1	J	0.70	2.6
n-Butane	3.0	U	1.7	3.0
Vinyl chloride	0.26	U	0.24	0.26
1,3-Butadiene	0.35	J	0.23	1.1
Bromomethane	1.9	U	0.27	1.9
Chloroethane	3.3	U	0.20	3.3
Vinyl bromide	2.2	U	0.33	2.2
Freon 11	2.0	J	0.42	2.8
Freon 113	0.96	J	0.34	3.8
1,1-Dichloroethene	2.0	U	0.24	2.0
Acetone	21	J	7.4	30
Isopropyl alcohol	150		1.3	31
Carbon disulfide	0.65	J	0.51	3.9
Allyl chloride	3.9	U	0.27	3.9

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-4**

Lab Sample ID: 200-23187-9
Client Matrix: Air

Date Sampled: 07/10/2014 1543
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_013.d
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	07/17/2014 2048			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 2048			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	54		1.1	4.3
tert-Butyl alcohol	38	U	2.5	38
Methyl tert-butyl ether	1.8	U	0.20	1.8
trans-1,2-Dichloroethene	0.51	J	0.29	2.0
Hexane	0.88	J	0.30	1.8
1,1-Dichloroethane	2.0	U	0.38	2.0
Methyl Ethyl Ketone	3.7	U	1.8	3.7
cis-1,2-Dichloroethene	1.8	J	0.38	2.0
1,2-Dichloroethene, Total	2.3		0.63	2.0
Chloroform	3.6		0.31	2.4
Tetrahydrofuran	37	U	0.34	37
1,1,1-Trichloroethane	2.7	U	0.29	2.7
Cyclohexane	54		0.22	1.7
Carbon tetrachloride	0.52	J	0.33	0.63
2,2,4-Trimethylpentane	2.3	U	0.32	2.3
Benzene	0.34	J	0.15	1.6
1,2-Dichloroethane	2.0	U	0.17	2.0
Heptane	0.53	J	0.47	2.0
Trichloroethene	15		0.32	0.54
Methyl methacrylate	5.1	U	0.31	5.1
1,2-Dichloropropane	2.3	U	0.37	2.3
1,4-Dioxane	45	U	1.8	45
Bromodichloromethane	3.4	U	0.28	3.4
cis-1,3-Dichloropropene	2.3	U	0.32	2.3
methyl isobutyl ketone	5.1	U	0.28	5.1
Toluene	4.1		0.16	1.9
trans-1,3-Dichloropropene	2.3	U	0.25	2.3
1,1,2-Trichloroethane	2.7	U	0.23	2.7
Tetrachloroethene	180		0.27	3.4
Methyl Butyl Ketone (2-Hexanone)	5.1	U	2.0	5.1
Dibromochloromethane	4.3	U	0.43	4.3
1,2-Dibromoethane	3.8	U	0.38	3.8
Chlorobenzene	2.3	U	0.093	2.3
Ethylbenzene	2.6		0.14	2.2
m,p-Xylene	4.0	J	0.25	5.4
Xylene, o-	4.9		0.17	2.2
Xylene (total)	8.8		0.37	2.2
Styrene	1.9	J	0.19	2.1
Bromoform	5.2	U	0.26	5.2
1,1,2,2-Tetrachloroethane	3.4	U	0.27	3.4
n-Propylbenzene	2.5	U	0.98	2.5
4-Ethyltoluene	1.2	J	0.22	2.5
1,3,5-Trimethylbenzene	3.3		0.15	2.5
2-Chlorotoluene	2.6	U	0.17	2.6
tert-Butylbenzene	2.7	U	0.23	2.7
1,2,4-Trimethylbenzene	3.5		0.17	2.5

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-4**

Lab Sample ID: 200-23187-9
Client Matrix: Air

Date Sampled: 07/10/2014 1543
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_013.d
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	07/17/2014 2048			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 2048			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	2.7	U	1.1	2.7
4-Isopropyltoluene	2.7	J	1.1	2.7
1,3-Dichlorobenzene	0.25	J B	0.21	3.0
1,4-Dichlorobenzene	3.0	U	0.21	3.0
Benzyl chloride	2.6	U	1.0	2.6
n-Butylbenzene	2.7	U	1.1	2.7
1,2-Dichlorobenzene	3.0	U	0.21	3.0
1,2,4-Trichlorobenzene	9.3	U	0.50	9.3
Hexachloro-1,3-butadiene	5.3	U	0.59	5.3
Naphthalene	6.6	U	2.6	6.6

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-5**

Lab Sample ID: 200-23187-10
Client Matrix: Air

Date Sampled: 07/10/2014 1507
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_014.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/17/2014 2136			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 2136			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.59	J	0.15	2.5
Freon 22	1.1	J	0.24	2.5
Freon-114	1.0	U	0.18	1.0
Chloromethane	2.5	U	0.68	2.5
n-Butane	3.5		1.4	2.5
Vinyl chloride	0.20	U	0.19	0.20
1,3-Butadiene	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.14	1.0
Chloroethane	2.5	U	0.15	2.5
Vinyl bromide	1.0	U	0.15	1.0
Freon 11	0.27	J	0.15	1.0
Freon 113	1.0	U	0.090	1.0
1,1-Dichloroethene	1.0	U	0.12	1.0
Acetone	6.7	J	6.3	25
Isopropyl alcohol	82		1.1	25
Carbon disulfide	2.5	U	0.33	2.5
Allyl chloride	2.5	U	0.17	2.5
Methylene Chloride	120		0.63	2.5
tert-Butyl alcohol	25	U	1.6	25
Methyl tert-butyl ether	1.0	U	0.11	1.0
trans-1,2-Dichloroethene	0.37	J	0.15	1.0
Hexane	1.0	U	0.17	1.0
1,1-Dichloroethane	1.0	U	0.19	1.0
Methyl Ethyl Ketone	2.5	U	1.2	2.5
cis-1,2-Dichloroethene	1.0	U	0.19	1.0
1,2-Dichloroethene, Total	0.37	J	0.32	1.0
Chloroform	11		0.13	1.0
Tetrahydrofuran	25	U	0.23	25
1,1,1-Trichloroethane	0.28	J	0.11	1.0
Cyclohexane	1.6		0.13	1.0
Carbon tetrachloride	0.20	U	0.11	0.20
2,2,4-Trimethylpentane	1.0	U	0.14	1.0
Benzene	0.18	J	0.095	1.0
1,2-Dichloroethane	1.0	U	0.085	1.0
Heptane	0.39	J	0.23	1.0
Trichloroethene	2.4		0.12	0.20
Methyl methacrylate	2.5	U	0.15	2.5
1,2-Dichloropropane	1.0	U	0.16	1.0
1,4-Dioxane	25	U	1.0	25
Bromodichloromethane	1.0	U	0.085	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
methyl isobutyl ketone	2.5	U	0.14	2.5
Toluene	0.62	J	0.085	1.0
trans-1,3-Dichloropropene	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.085	1.0
Tetrachloroethene	1.1		0.080	1.0

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-5**

Lab Sample ID: 200-23187-10
Client Matrix: Air

Date Sampled: 07/10/2014 1507
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_014.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/17/2014 2136			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 2136			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	2.5	U	1.0	2.5
Dibromochloromethane	1.0	U	0.10	1.0
1,2-Dibromoethane	1.0	U	0.10	1.0
Chlorobenzene	1.0	U	0.041	1.0
Ethylbenzene	0.24	J	0.065	1.0
m,p-Xylene	0.89	J	0.12	2.5
Xylene, o-	0.23	J	0.080	1.0
Xylene (total)	1.1		0.17	1.0
Styrene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.050	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.080	1.0
n-Propylbenzene	1.0	U	0.40	1.0
4-Ethyltoluene	1.0	U	0.090	1.0
1,3,5-Trimethylbenzene	1.0	U	0.060	1.0
2-Chlorotoluene	1.0	U	0.065	1.0
tert-Butylbenzene	1.0	U	0.085	1.0
1,2,4-Trimethylbenzene	0.11	J	0.070	1.0
sec-Butylbenzene	1.0	U	0.40	1.0
4-Isopropyltoluene	1.0	U	0.40	1.0
1,3-Dichlorobenzene	1.0	U	0.070	1.0
1,4-Dichlorobenzene	1.0	U	0.070	1.0
Benzyl chloride	1.0	U	0.40	1.0
n-Butylbenzene	1.0	U	0.40	1.0
1,2-Dichlorobenzene	1.0	U	0.070	1.0
1,2,4-Trichlorobenzene	2.5	U	0.14	2.5
Hexachloro-1,3-butadiene	1.0	U	0.11	1.0
Naphthalene	2.5	U	1.0	2.5

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.9	J	0.74	12
Freon 22	4.0	J	0.85	8.8
Freon-114	7.0	U	1.2	7.0
Chloromethane	5.2	U	1.4	5.2
n-Butane	8.4		3.4	5.9
Vinyl chloride	0.51	U	0.49	0.51
1,3-Butadiene	2.2	U	0.46	2.2
Bromomethane	3.9	U	0.54	3.9
Chloroethane	6.6	U	0.40	6.6
Vinyl bromide	4.4	U	0.66	4.4
Freon 11	1.5	J	0.84	5.6
Freon 113	7.7	U	0.69	7.7
1,1-Dichloroethene	4.0	U	0.48	4.0
Acetone	16	J	15	59
Isopropyl alcohol	200		2.6	61
Carbon disulfide	7.8	U	1.0	7.8
Allyl chloride	7.8	U	0.53	7.8

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-5**

Lab Sample ID: 200-23187-10
Client Matrix: Air

Date Sampled: 07/10/2014 1507
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_014.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/17/2014 2136			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 2136			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	410		2.2	8.7
tert-Butyl alcohol	76	U	5.0	76
Methyl tert-butyl ether	3.6	U	0.40	3.6
trans-1,2-Dichloroethene	1.5	J	0.57	4.0
Hexane	3.5	U	0.60	3.5
1,1-Dichloroethane	4.0	U	0.77	4.0
Methyl Ethyl Ketone	7.4	U	3.6	7.4
cis-1,2-Dichloroethene	4.0	U	0.75	4.0
1,2-Dichloroethene, Total	1.5	J	1.3	4.0
Chloroform	54		0.61	4.9
Tetrahydrofuran	74	U	0.68	74
1,1,1-Trichloroethane	1.5	J	0.57	5.5
Cyclohexane	5.4		0.43	3.4
Carbon tetrachloride	1.3	U	0.66	1.3
2,2,4-Trimethylpentane	4.7	U	0.63	4.7
Benzene	0.58	J	0.30	3.2
1,2-Dichloroethane	4.0	U	0.34	4.0
Heptane	1.6	J	0.94	4.1
Trichloroethene	13		0.64	1.1
Methyl methacrylate	10	U	0.61	10
1,2-Dichloropropane	4.6	U	0.74	4.6
1,4-Dioxane	90	U	3.6	90
Bromodichloromethane	6.7	U	0.57	6.7
cis-1,3-Dichloropropene	4.5	U	0.64	4.5
methyl isobutyl ketone	10	U	0.55	10
Toluene	2.3	J	0.32	3.8
trans-1,3-Dichloropropene	4.5	U	0.50	4.5
1,1,2-Trichloroethane	5.5	U	0.46	5.5
Tetrachloroethene	7.3		0.54	6.8
Methyl Butyl Ketone (2-Hexanone)	10	U	4.1	10
Dibromochloromethane	8.5	U	0.85	8.5
1,2-Dibromoethane	7.7	U	0.77	7.7
Chlorobenzene	4.6	U	0.19	4.6
Ethylbenzene	1.0	J	0.28	4.3
m,p-Xylene	3.8	J	0.50	11
Xylene, o-	1.0	J	0.35	4.3
Xylene (total)	4.9		0.74	4.3
Styrene	4.3	U	0.38	4.3
Bromoform	10	U	0.52	10
1,1,2,2-Tetrachloroethane	6.9	U	0.55	6.9
n-Propylbenzene	4.9	U	2.0	4.9
4-Ethyltoluene	4.9	U	0.44	4.9
1,3,5-Trimethylbenzene	4.9	U	0.29	4.9
2-Chlorotoluene	5.2	U	0.34	5.2
tert-Butylbenzene	5.5	U	0.47	5.5
1,2,4-Trimethylbenzene	0.56	J	0.34	4.9

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-5**

Lab Sample ID: 200-23187-10
Client Matrix: Air

Date Sampled: 07/10/2014 1507
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_014.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/17/2014 2136			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 2136			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	5.5	U	2.2	5.5
4-Isopropyltoluene	5.5	U	2.2	5.5
1,3-Dichlorobenzene	6.0	U	0.42	6.0
1,4-Dichlorobenzene	6.0	U	0.42	6.0
Benzyl chloride	5.2	U	2.1	5.2
n-Butylbenzene	5.5	U	2.2	5.5
1,2-Dichlorobenzene	6.0	U	0.42	6.0
1,2,4-Trichlorobenzene	19	U	1.0	19
Hexachloro-1,3-butadiene	11	U	1.2	11
Naphthalene	13	U	5.2	13

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-6**

Lab Sample ID: 200-23187-11
Client Matrix: Air

Date Sampled: 07/10/2014 1500
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_015.d
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2014 2225			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 2225			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.65	J	0.24	4.0
Freon 22	0.98	J	0.38	4.0
Freon-114	1.6	U	0.28	1.6
Chloromethane	4.0	U	1.1	4.0
n-Butane	2.9	J	2.3	4.0
Vinyl chloride	0.32	U	0.30	0.32
1,3-Butadiene	1.6	U	0.34	1.6
Bromomethane	1.6	U	0.22	1.6
Chloroethane	4.0	U	0.24	4.0
Vinyl bromide	1.6	U	0.24	1.6
Freon 11	0.34	J	0.24	1.6
Freon 113	1.6	U	0.14	1.6
1,1-Dichloroethene	1.6	U	0.19	1.6
Acetone	10	J	10	40
Isopropyl alcohol	190		1.7	40
Carbon disulfide	6.1		0.53	4.0
Allyl chloride	4.0	U	0.27	4.0
Methylene Chloride	100		1.0	4.0
tert-Butyl alcohol	40	U	2.6	40
Methyl tert-butyl ether	1.6	U	0.18	1.6
trans-1,2-Dichloroethene	1.6	U	0.23	1.6
Hexane	1.6	U	0.27	1.6
1,1-Dichloroethane	1.6	U	0.30	1.6
Methyl Ethyl Ketone	4.0	U	1.9	4.0
cis-1,2-Dichloroethene	1.6	U	0.30	1.6
1,2-Dichloroethene, Total	1.6	U	0.51	1.6
Chloroform	0.39	J	0.20	1.6
Tetrahydrofuran	40	U	0.37	40
1,1,1-Trichloroethane	1.6	U	0.17	1.6
Cyclohexane	1.8		0.20	1.6
Carbon tetrachloride	0.32	U	0.17	0.32
2,2,4-Trimethylpentane	1.6	U	0.22	1.6
Benzene	0.23	J	0.15	1.6
1,2-Dichloroethane	1.6	U	0.14	1.6
Heptane	1.6	U	0.37	1.6
Trichloroethene	0.86		0.19	0.32
Methyl methacrylate	4.0	U	0.24	4.0
1,2-Dichloropropane	1.6	U	0.26	1.6
1,4-Dioxane	40	U	1.6	40
Bromodichloromethane	1.6	U	0.14	1.6
cis-1,3-Dichloropropene	1.6	U	0.22	1.6
methyl isobutyl ketone	4.0	U	0.22	4.0
Toluene	2.0		0.14	1.6
trans-1,3-Dichloropropene	1.6	U	0.18	1.6
1,1,2-Trichloroethane	1.6	U	0.14	1.6
Tetrachloroethene	3.1		0.13	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-6**

Lab Sample ID: 200-23187-11
Client Matrix: Air

Date Sampled: 07/10/2014 1500
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_015.d
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2014 2225			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 2225			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	4.0	U	1.6	4.0
Dibromochloromethane	1.6	U	0.16	1.6
1,2-Dibromoethane	1.6	U	0.16	1.6
Chlorobenzene	1.6	U	0.065	1.6
Ethylbenzene	0.28	J	0.10	1.6
m,p-Xylene	0.68	J	0.18	4.0
Xylene, o-	0.28	J	0.13	1.6
Xylene (total)	0.96	J	0.27	1.6
Styrene	1.6	U	0.14	1.6
Bromoform	1.6	U	0.080	1.6
1,1,2,2-Tetrachloroethane	1.6	U	0.13	1.6
n-Propylbenzene	1.6	U	0.64	1.6
4-Ethyltoluene	0.18	J	0.14	1.6
1,3,5-Trimethylbenzene	0.18	J	0.096	1.6
2-Chlorotoluene	1.6	U	0.10	1.6
tert-Butylbenzene	1.6	U	0.14	1.6
1,2,4-Trimethylbenzene	0.37	J	0.11	1.6
sec-Butylbenzene	1.6	U	0.64	1.6
4-Isopropyltoluene	1.6	U	0.64	1.6
1,3-Dichlorobenzene	0.13	J B	0.11	1.6
1,4-Dichlorobenzene	1.6	U	0.11	1.6
Benzyl chloride	1.6	U	0.64	1.6
n-Butylbenzene	1.6	U	0.64	1.6
1,2-Dichlorobenzene	1.6	U	0.11	1.6
1,2,4-Trichlorobenzene	4.0	U	0.22	4.0
Hexachloro-1,3-butadiene	1.6	U	0.18	1.6
Naphthalene	4.0	U	1.6	4.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	3.2	J	1.2	20
Freon 22	3.5	J	1.4	14
Freon-114	11	U	2.0	11
Chloromethane	8.3	U	2.2	8.3
n-Butane	7.0	J	5.4	9.5
Vinyl chloride	0.82	U	0.78	0.82
1,3-Butadiene	3.5	U	0.74	3.5
Bromomethane	6.2	U	0.87	6.2
Chloroethane	11	U	0.63	11
Vinyl bromide	7.0	U	1.0	7.0
Freon 11	1.9	J	1.3	9.0
Freon 113	12	U	1.1	12
1,1-Dichloroethene	6.3	U	0.76	6.3
Acetone	24	J	24	95
Isopropyl alcohol	460		4.2	98
Carbon disulfide	19		1.6	12
Allyl chloride	13	U	0.85	13

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-6**

Lab Sample ID: 200-23187-11
Client Matrix: Air

Date Sampled: 07/10/2014 1500
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_015.d
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2014 2225			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 2225			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	350		3.5	14
tert-Butyl alcohol	120	U	8.0	120
Methyl tert-butyl ether	5.8	U	0.63	5.8
trans-1,2-Dichloroethene	6.3	U	0.92	6.3
Hexane	5.6	U	0.96	5.6
1,1-Dichloroethane	6.5	U	1.2	6.5
Methyl Ethyl Ketone	12	U	5.7	12
cis-1,2-Dichloroethene	6.3	U	1.2	6.3
1,2-Dichloroethene, Total	6.3	U	2.0	6.3
Chloroform	1.9	J	0.98	7.8
Tetrahydrofuran	120	U	1.1	120
1,1,1-Trichloroethane	8.7	U	0.92	8.7
Cyclohexane	6.2		0.69	5.5
Carbon tetrachloride	2.0	U	1.1	2.0
2,2,4-Trimethylpentane	7.5	U	1.0	7.5
Benzene	0.74	J	0.49	5.1
1,2-Dichloroethane	6.5	U	0.55	6.5
Heptane	6.6	U	1.5	6.6
Trichloroethene	4.6		1.0	1.7
Methyl methacrylate	16	U	0.98	16
1,2-Dichloropropane	7.4	U	1.2	7.4
1,4-Dioxane	140	U	5.8	140
Bromodichloromethane	11	U	0.91	11
cis-1,3-Dichloropropene	7.3	U	1.0	7.3
methyl isobutyl ketone	16	U	0.88	16
Toluene	7.4		0.51	6.0
trans-1,3-Dichloropropene	7.3	U	0.80	7.3
1,1,2-Trichloroethane	8.7	U	0.74	8.7
Tetrachloroethene	21		0.87	11
Methyl Butyl Ketone (2-Hexanone)	16	U	6.6	16
Dibromochloromethane	14	U	1.4	14
1,2-Dibromoethane	12	U	1.2	12
Chlorobenzene	7.4	U	0.30	7.4
Ethylbenzene	1.2	J	0.45	6.9
m,p-Xylene	3.0	J	0.80	17
Xylene, o-	1.2	J	0.56	6.9
Xylene (total)	4.2	J	1.2	6.9
Styrene	6.8	U	0.61	6.8
Bromoform	17	U	0.83	17
1,1,2,2-Tetrachloroethane	11	U	0.88	11
n-Propylbenzene	7.9	U	3.1	7.9
4-Ethyltoluene	0.90	J	0.71	7.9
1,3,5-Trimethylbenzene	0.88	J	0.47	7.9
2-Chlorotoluene	8.3	U	0.54	8.3
tert-Butylbenzene	8.8	U	0.75	8.8
1,2,4-Trimethylbenzene	1.8	J	0.55	7.9

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-6**

Lab Sample ID: 200-23187-11
Client Matrix: Air

Date Sampled: 07/10/2014 1500
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_015.d
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2014 2225			Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 2225			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	8.8	U	3.5	8.8
4-Isopropyltoluene	8.8	U	3.5	8.8
1,3-Dichlorobenzene	0.80	J B	0.67	9.6
1,4-Dichlorobenzene	9.6	U	0.67	9.6
Benzyl chloride	8.3	U	3.3	8.3
n-Butylbenzene	8.8	U	3.5	8.8
1,2-Dichlorobenzene	9.6	U	0.67	9.6
1,2,4-Trichlorobenzene	30	U	1.6	30
Hexachloro-1,3-butadiene	17	U	1.9	17
Naphthalene	21	U	8.4	21

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-7**

Lab Sample ID: 200-23187-12
Client Matrix: Air

Date Sampled: 07/10/2014 1445
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_023.d
Dilution:	1.25			Initial Weight/Volume:	160 mL
Analysis Date:	07/18/2014 0521			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 0521			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.51	J	0.038	0.63
Freon 22	0.41	J	0.060	0.63
Freon-114	0.25	U	0.044	0.25
Chloromethane	0.63	U	0.17	0.63
n-Butane	0.66		0.35	0.63
Vinyl chloride	0.050	U	0.048	0.050
1,3-Butadiene	0.25	U	0.053	0.25
Bromomethane	0.25	U	0.035	0.25
Chloroethane	0.63	U	0.038	0.63
Vinyl bromide	0.25	U	0.038	0.25
Freon 11	0.23	J	0.038	0.25
Freon 113	0.078	J	0.023	0.25
1,1-Dichloroethene	0.25	U	0.030	0.25
Acetone	2.9	J	1.6	6.3
Isopropyl alcohol	28		0.27	6.3
Carbon disulfide	0.63	U	0.083	0.63
Allyl chloride	0.63	U	0.043	0.63
Methylene Chloride	12		0.16	0.63
tert-Butyl alcohol	6.3	U	0.41	6.3
Methyl tert-butyl ether	0.25	U	0.028	0.25
trans-1,2-Dichloroethene	0.050	J	0.036	0.25
Hexane	0.25	U	0.043	0.25
1,1-Dichloroethane	0.25	U	0.048	0.25
Methyl Ethyl Ketone	0.48	J	0.30	0.63
cis-1,2-Dichloroethene	0.086	J	0.048	0.25
1,2-Dichloroethene, Total	0.14	J	0.080	0.25
Chloroform	0.30		0.031	0.25
Tetrahydrofuran	6.3	U	0.058	6.3
1,1,1-Trichloroethane	0.10	J	0.026	0.25
Cyclohexane	0.24	J	0.031	0.25
Carbon tetrachloride	0.071		0.026	0.050
2,2,4-Trimethylpentane	0.25	U	0.034	0.25
Benzene	0.029	J	0.024	0.25
1,2-Dichloroethane	0.25	U	0.021	0.25
Heptane	0.25	U	0.058	0.25
Trichloroethene	0.63		0.030	0.050
Methyl methacrylate	0.63	U	0.038	0.63
1,2-Dichloropropane	0.25	U	0.040	0.25
1,4-Dioxane	6.3	U	0.25	6.3
Bromodichloromethane	0.25	U	0.021	0.25
cis-1,3-Dichloropropene	0.25	U	0.035	0.25
methyl isobutyl ketone	0.63	U	0.034	0.63
Toluene	0.096	J	0.021	0.25
trans-1,3-Dichloropropene	0.25	U	0.028	0.25
1,1,2-Trichloroethane	0.25	U	0.021	0.25
Tetrachloroethene	0.26		0.020	0.25

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-7**

Lab Sample ID: 200-23187-12
Client Matrix: Air

Date Sampled: 07/10/2014 1445
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_023.d
Dilution:	1.25			Initial Weight/Volume:	160 mL
Analysis Date:	07/18/2014 0521			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 0521			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.63	U	0.25	0.63
Dibromochloromethane	0.25	U	0.025	0.25
1,2-Dibromoethane	0.25	U	0.025	0.25
Chlorobenzene	0.25	U	0.010	0.25
Ethylbenzene	0.044	J	0.016	0.25
m,p-Xylene	0.13	J	0.029	0.63
Xylene, o-	0.043	J	0.020	0.25
Xylene (total)	0.17	J	0.043	0.25
Styrene	0.040	J	0.023	0.25
Bromoform	0.25	U	0.013	0.25
1,1,2,2-Tetrachloroethane	0.25	U	0.020	0.25
n-Propylbenzene	0.25	U	0.10	0.25
4-Ethyltoluene	0.023	J	0.023	0.25
1,3,5-Trimethylbenzene	0.026	J	0.015	0.25
2-Chlorotoluene	0.25	U	0.016	0.25
tert-Butylbenzene	0.25	U	0.021	0.25
1,2,4-Trimethylbenzene	0.054	J	0.018	0.25
sec-Butylbenzene	0.25	U	0.10	0.25
4-Isopropyltoluene	0.25	U	0.10	0.25
1,3-Dichlorobenzene	0.047	J B	0.018	0.25
1,4-Dichlorobenzene	0.25	U	0.018	0.25
Benzyl chloride	0.25	U	0.10	0.25
n-Butylbenzene	0.25	U	0.10	0.25
1,2-Dichlorobenzene	0.25	U	0.018	0.25
1,2,4-Trichlorobenzene	0.63	U	0.034	0.63
Hexachloro-1,3-butadiene	0.25	U	0.028	0.25
Naphthalene	0.63	U	0.25	0.63

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.5	J	0.19	3.1
Freon 22	1.4	J	0.21	2.2
Freon-114	1.7	U	0.31	1.7
Chloromethane	1.3	U	0.35	1.3
n-Butane	1.6		0.84	1.5
Vinyl chloride	0.13	U	0.12	0.13
1,3-Butadiene	0.55	U	0.12	0.55
Bromomethane	0.97	U	0.14	0.97
Chloroethane	1.6	U	0.099	1.6
Vinyl bromide	1.1	U	0.16	1.1
Freon 11	1.3	J	0.21	1.4
Freon 113	0.60	J	0.17	1.9
1,1-Dichloroethene	0.99	U	0.12	0.99
Acetone	6.8	J	3.7	15
Isopropyl alcohol	70		0.66	15
Carbon disulfide	1.9	U	0.26	1.9
Allyl chloride	2.0	U	0.13	2.0

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-7**

Lab Sample ID: 200-23187-12
Client Matrix: Air

Date Sampled: 07/10/2014 1445
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_023.d
Dilution:	1.25			Initial Weight/Volume:	160 mL
Analysis Date:	07/18/2014 0521			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 0521			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	40		0.54	2.2
tert-Butyl alcohol	19	U	1.2	19
Methyl tert-butyl ether	0.90	U	0.099	0.90
trans-1,2-Dichloroethene	0.20	J	0.14	0.99
Hexane	0.88	U	0.15	0.88
1,1-Dichloroethane	1.0	U	0.19	1.0
Methyl Ethyl Ketone	1.4	J	0.89	1.8
cis-1,2-Dichloroethene	0.34	J	0.19	0.99
1,2-Dichloroethene, Total	0.54	J	0.32	0.99
Chloroform	1.5		0.15	1.2
Tetrahydrofuran	18	U	0.17	18
1,1,1-Trichloroethane	0.57	J	0.14	1.4
Cyclohexane	0.82	J	0.11	0.86
Carbon tetrachloride	0.45		0.17	0.31
2,2,4-Trimethylpentane	1.2	U	0.16	1.2
Benzene	0.093	J	0.076	0.80
1,2-Dichloroethane	1.0	U	0.086	1.0
Heptane	1.0	U	0.24	1.0
Trichloroethene	3.4		0.16	0.27
Methyl methacrylate	2.6	U	0.15	2.6
1,2-Dichloropropane	1.2	U	0.18	1.2
1,4-Dioxane	23	U	0.90	23
Bromodichloromethane	1.7	U	0.14	1.7
cis-1,3-Dichloropropene	1.1	U	0.16	1.1
methyl isobutyl ketone	2.6	U	0.14	2.6
Toluene	0.36	J	0.080	0.94
trans-1,3-Dichloropropene	1.1	U	0.12	1.1
1,1,2-Trichloroethane	1.4	U	0.12	1.4
Tetrachloroethene	1.8		0.14	1.7
Methyl Butyl Ketone (2-Hexanone)	2.6	U	1.0	2.6
Dibromochloromethane	2.1	U	0.21	2.1
1,2-Dibromoethane	1.9	U	0.19	1.9
Chlorobenzene	1.2	U	0.047	1.2
Ethylbenzene	0.19	J	0.071	1.1
m,p-Xylene	0.55	J	0.12	2.7
Xylene, o-	0.19	J	0.087	1.1
Xylene (total)	0.75	J	0.18	1.1
Styrene	0.17	J	0.096	1.1
Bromoform	2.6	U	0.13	2.6
1,1,2,2-Tetrachloroethane	1.7	U	0.14	1.7
n-Propylbenzene	1.2	U	0.49	1.2
4-Ethyltoluene	0.11	J	0.11	1.2
1,3,5-Trimethylbenzene	0.13	J	0.074	1.2
2-Chlorotoluene	1.3	U	0.084	1.3
tert-Butylbenzene	1.4	U	0.12	1.4
1,2,4-Trimethylbenzene	0.27	J	0.086	1.2

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-7**

Lab Sample ID: 200-23187-12
Client Matrix: Air

Date Sampled: 07/10/2014 1445
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_023.d
Dilution:	1.25			Initial Weight/Volume:	160 mL
Analysis Date:	07/18/2014 0521			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 0521			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.4	U	0.55	1.4
4-Isopropyltoluene	1.4	U	0.55	1.4
1,3-Dichlorobenzene	0.28	J B	0.11	1.5
1,4-Dichlorobenzene	1.5	U	0.11	1.5
Benzyl chloride	1.3	U	0.52	1.3
n-Butylbenzene	1.4	U	0.55	1.4
1,2-Dichlorobenzene	1.5	U	0.11	1.5
1,2,4-Trichlorobenzene	4.6	U	0.25	4.6
Hexachloro-1,3-butadiene	2.7	U	0.29	2.7
Naphthalene	3.3	U	1.3	3.3

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-8**

Lab Sample ID: 200-23187-13
Client Matrix: Air

Date Sampled: 07/10/2014 1440
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_024.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/18/2014 0609			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 0609			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	1.9		0.060	1.0
Freon 22	0.85	J	0.096	1.0
Freon-114	0.40	U	0.070	0.40
Chloromethane	0.36	J	0.27	1.0
n-Butane	9.2		0.56	1.0
Vinyl chloride	0.080	U	0.076	0.080
1,3-Butadiene	0.40	U	0.084	0.40
Bromomethane	0.40	U	0.056	0.40
Chloroethane	1.0	U	0.060	1.0
Vinyl bromide	0.40	U	0.060	0.40
Freon 11	0.46		0.060	0.40
Freon 113	1.4		0.036	0.40
1,1-Dichloroethene	0.40	U	0.048	0.40
Acetone	12		2.5	10
Isopropyl alcohol	49		0.43	10
Carbon disulfide	3.7		0.13	1.0
Allyl chloride	1.0	U	0.068	1.0
Methylene Chloride	45		0.25	1.0
tert-Butyl alcohol	10	U	0.66	10
Methyl tert-butyl ether	0.40	U	0.044	0.40
trans-1,2-Dichloroethene	0.11	J	0.058	0.40
Hexane	0.40	U	0.068	0.40
1,1-Dichloroethane	0.44		0.076	0.40
Methyl Ethyl Ketone	1.4		0.48	1.0
cis-1,2-Dichloroethene	1.0		0.076	0.40
1,2-Dichloroethene, Total	1.1		0.13	0.40
Chloroform	12		0.050	0.40
Tetrahydrofuran	10	U	0.092	10
1,1,1-Trichloroethane	0.40	U	0.042	0.40
Cyclohexane	0.40	U	0.050	0.40
Carbon tetrachloride	0.080	U	0.042	0.080
2,2,4-Trimethylpentane	0.40	U	0.054	0.40
Benzene	0.40	U	0.038	0.40
1,2-Dichloroethane	0.40	U	0.034	0.40
Heptane	0.40	U	0.092	0.40
Trichloroethene	15		0.048	0.080
Methyl methacrylate	1.0	U	0.060	1.0
1,2-Dichloropropane	0.40	U	0.064	0.40
1,4-Dioxane	10	U	0.40	10
Bromodichloromethane	0.15	J	0.034	0.40
cis-1,3-Dichloropropene	0.40	U	0.056	0.40
methyl isobutyl ketone	1.0	U	0.054	1.0
Toluene	1.5		0.034	0.40
trans-1,3-Dichloropropene	0.40	U	0.044	0.40
1,1,2-Trichloroethane	0.40	U	0.034	0.40
Tetrachloroethene	2.4		0.032	0.40

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-8**

Lab Sample ID: 200-23187-13
Client Matrix: Air

Date Sampled: 07/10/2014 1440
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_024.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/18/2014 0609			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 0609			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.0	U	0.40	1.0
Dibromochloromethane	0.40	U	0.040	0.40
1,2-Dibromoethane	0.40	U	0.040	0.40
Chlorobenzene	0.40	U	0.016	0.40
Ethylbenzene	0.11	J	0.026	0.40
m,p-Xylene	0.28	J	0.046	1.0
Xylene, o-	0.083	J	0.032	0.40
Xylene (total)	0.36	J	0.068	0.40
Styrene	0.045	J	0.036	0.40
Bromoform	0.40	U	0.020	0.40
1,1,2,2-Tetrachloroethane	0.40	U	0.032	0.40
n-Propylbenzene	0.40	U	0.16	0.40
4-Ethyltoluene	0.40	U	0.036	0.40
1,3,5-Trimethylbenzene	0.40	U	0.024	0.40
2-Chlorotoluene	0.40	U	0.026	0.40
tert-Butylbenzene	0.40	U	0.034	0.40
1,2,4-Trimethylbenzene	0.40	U	0.028	0.40
sec-Butylbenzene	0.40	U	0.16	0.40
4-Isopropyltoluene	0.23	J	0.16	0.40
1,3-Dichlorobenzene	0.074	J B	0.028	0.40
1,4-Dichlorobenzene	0.40	U	0.028	0.40
Benzyl chloride	0.40	U	0.16	0.40
n-Butylbenzene	0.40	U	0.16	0.40
1,2-Dichlorobenzene	0.40	U	0.028	0.40
1,2,4-Trichlorobenzene	1.0	U	0.054	1.0
Hexachloro-1,3-butadiene	0.40	U	0.044	0.40
Naphthalene	1.0	U	0.40	1.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	9.2		0.30	4.9
Freon 22	3.0	J	0.34	3.5
Freon-114	2.8	U	0.49	2.8
Chloromethane	0.74	J	0.56	2.1
n-Butane	22		1.3	2.4
Vinyl chloride	0.20	U	0.19	0.20
1,3-Butadiene	0.88	U	0.19	0.88
Bromomethane	1.6	U	0.22	1.6
Chloroethane	2.6	U	0.16	2.6
Vinyl bromide	1.7	U	0.26	1.7
Freon 11	2.6		0.34	2.2
Freon 113	11		0.28	3.1
1,1-Dichloroethene	1.6	U	0.19	1.6
Acetone	29		5.9	24
Isopropyl alcohol	120		1.1	25
Carbon disulfide	11		0.41	3.1
Allyl chloride	3.1	U	0.21	3.1

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-8**

Lab Sample ID: 200-23187-13
Client Matrix: Air

Date Sampled: 07/10/2014 1440
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_024.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/18/2014 0609			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 0609			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	160		0.87	3.5
tert-Butyl alcohol	30	U	2.0	30
Methyl tert-butyl ether	1.4	U	0.16	1.4
trans-1,2-Dichloroethene	0.42	J	0.23	1.6
Hexane	1.4	U	0.24	1.4
1,1-Dichloroethane	1.8		0.31	1.6
Methyl Ethyl Ketone	4.2		1.4	2.9
cis-1,2-Dichloroethene	4.2		0.30	1.6
1,2-Dichloroethene, Total	4.4		0.51	1.6
Chloroform	61		0.24	2.0
Tetrahydrofuran	29	U	0.27	29
1,1,1-Trichloroethane	2.2	U	0.23	2.2
Cyclohexane	1.4	U	0.17	1.4
Carbon tetrachloride	0.50	U	0.26	0.50
2,2,4-Trimethylpentane	1.9	U	0.25	1.9
Benzene	1.3	U	0.12	1.3
1,2-Dichloroethane	1.6	U	0.14	1.6
Heptane	1.6	U	0.38	1.6
Trichloroethene	81		0.26	0.43
Methyl methacrylate	4.1	U	0.25	4.1
1,2-Dichloropropane	1.8	U	0.30	1.8
1,4-Dioxane	36	U	1.4	36
Bromodichloromethane	1.0	J	0.23	2.7
cis-1,3-Dichloropropene	1.8	U	0.25	1.8
methyl isobutyl ketone	4.1	U	0.22	4.1
Toluene	5.8		0.13	1.5
trans-1,3-Dichloropropene	1.8	U	0.20	1.8
1,1,2-Trichloroethane	2.2	U	0.19	2.2
Tetrachloroethene	16		0.22	2.7
Methyl Butyl Ketone (2-Hexanone)	4.1	U	1.6	4.1
Dibromochloromethane	3.4	U	0.34	3.4
1,2-Dibromoethane	3.1	U	0.31	3.1
Chlorobenzene	1.8	U	0.075	1.8
Ethylbenzene	0.49	J	0.11	1.7
m,p-Xylene	1.2	J	0.20	4.3
Xylene, o-	0.36	J	0.14	1.7
Xylene (total)	1.6	J	0.30	1.7
Styrene	0.19	J	0.15	1.7
Bromoform	4.1	U	0.21	4.1
1,1,2,2-Tetrachloroethane	2.7	U	0.22	2.7
n-Propylbenzene	2.0	U	0.79	2.0
4-Ethyltoluene	2.0	U	0.18	2.0
1,3,5-Trimethylbenzene	2.0	U	0.12	2.0
2-Chlorotoluene	2.1	U	0.13	2.1
tert-Butylbenzene	2.2	U	0.19	2.2
1,2,4-Trimethylbenzene	2.0	U	0.14	2.0

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **SDS-8**

Lab Sample ID: 200-23187-13
Client Matrix: Air

Date Sampled: 07/10/2014 1440
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8602_024.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/18/2014 0609			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 0609			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	2.2	U	0.88	2.2
4-Isopropyltoluene	1.3	J	0.88	2.2
1,3-Dichlorobenzene	0.45	J B	0.17	2.4
1,4-Dichlorobenzene	2.4	U	0.17	2.4
Benzyl chloride	2.1	U	0.83	2.1
n-Butylbenzene	2.2	U	0.88	2.2
1,2-Dichlorobenzene	2.4	U	0.17	2.4
1,2,4-Trichlorobenzene	7.4	U	0.40	7.4
Hexachloro-1,3-butadiene	4.3	U	0.47	4.3
Naphthalene	5.2	U	2.1	5.2

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **VMP-8C**

Lab Sample ID: 200-23187-14
Client Matrix: Air

Date Sampled: 07/10/2014 1415
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75073	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8625_005.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/18/2014 1518			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 1518			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.51		0.030	0.50
Freon 22	1.3		0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.24		0.030	0.20
Freon 113	0.095	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	1.7	J	1.3	5.0
Isopropyl alcohol	1.2	J	0.22	5.0
Carbon disulfide	0.086	J	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	1.8		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.078	J	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.55		0.24	0.50
cis-1,2-Dichloroethene	0.094	J	0.038	0.20
1,2-Dichloroethene, Total	0.17	J	0.064	0.20
Chloroform	1.0		0.025	0.20
Tetrahydrofuran	0.29	J	0.046	5.0
1,1,1-Trichloroethane	0.25		0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.076		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.069	J	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	2.3		0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.96		0.027	0.50
Toluene	0.42		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.80		0.016	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **VMP-8C**

Lab Sample ID: 200-23187-14
Client Matrix: Air

Date Sampled: 07/10/2014 1415
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75073	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8625_005.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/18/2014 1518			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 1518			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.012	J	0.0081	0.20
Ethylbenzene	0.33		0.013	0.20
m,p-Xylene	1.2		0.023	0.50
Xylene, o-	0.43		0.016	0.20
Xylene (total)	1.6		0.034	0.20
Styrene	0.049	J	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.095	J	0.080	0.20
4-Ethyltoluene	0.12	J	0.018	0.20
1,3,5-Trimethylbenzene	0.16	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.51		0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.18	J B	0.014	0.20
1,4-Dichlorobenzene	0.025	J B	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.025	J B	0.014	0.20
1,2,4-Trichlorobenzene	0.065	J B	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.5		0.15	2.5
Freon 22	4.6		0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.3		0.17	1.1
Freon 113	0.73	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	4.0	J	3.0	12
Isopropyl alcohol	2.9	J	0.53	12
Carbon disulfide	0.27	J	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **VMP-8C**

Lab Sample ID: 200-23187-14
Client Matrix: Air

Date Sampled: 07/10/2014 1415
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75073	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8625_005.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/18/2014 1518			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 1518			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	6.1		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.31	J	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.6		0.71	1.5
cis-1,2-Dichloroethene	0.37	J	0.15	0.79
1,2-Dichloroethene, Total	0.68	J	0.25	0.79
Chloroform	4.9		0.12	0.98
Tetrahydrofuran	0.85	J	0.14	15
1,1,1-Trichloroethane	1.4		0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.48		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.22	J	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	13		0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	4.0		0.11	2.0
Toluene	1.6		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	5.4		0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.056	J	0.037	0.92
Ethylbenzene	1.4		0.056	0.87
m,p-Xylene	5.1		0.10	2.2
Xylene, o-	1.9		0.069	0.87
Xylene (total)	7.1		0.15	0.87
Styrene	0.21	J	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.47	J	0.39	0.98
4-Ethyltoluene	0.57	J	0.088	0.98
1,3,5-Trimethylbenzene	0.81	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	2.5		0.069	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Client Sample ID: **VMP-8C**

Lab Sample ID: 200-23187-14
Client Matrix: Air

Date Sampled: 07/10/2014 1415
Date Received: 07/14/2014 0855

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75073	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8625_005.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/18/2014 1518			Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 1518			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.1	J B	0.084	1.2
1,4-Dichlorobenzene	0.15	J B	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	0.15	J B	0.084	1.2
1,2,4-Trichlorobenzene	0.49	J B	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Method Blank - Batch: 200-75017

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75017/4	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8602_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/17/2014 1320	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1320			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	0.50	U	0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.20	U	0.030	0.20
Freon 113	0.20	U	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.0	U	1.3	5.0
Isopropyl alcohol	5.0	U	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.50	U	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.20	U	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Method Blank - Batch: 200-75017

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75017/4	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8602_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/17/2014 1320	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1320			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.20	U	0.016	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.20	U	0.013	0.20
m,p-Xylene	0.50	U	0.023	0.50
Xylene, o-	0.20	U	0.016	0.20
Xylene (total)	0.20	U	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.0367	J	0.014	0.20
1,4-Dichlorobenzene	0.0405	J	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.0335	J	0.014	0.20
1,2,4-Trichlorobenzene	0.0614	J	0.027	0.50
Hexachloro-1,3-butadiene	0.0231	J	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Method Blank - Batch: 200-75017

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75017/4	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8602_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/17/2014 1320	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1320			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	2.5	U	0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.1	U	0.17	1.1
Freon 113	1.5	U	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12	U	3.0	12
Isopropyl alcohol	12	U	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6
Methylene Chloride	1.7	U	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	0.75	U	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Method Blank - Batch: 200-75017

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75017/4	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8602_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/17/2014 1320	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1320			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.87	U	0.056	0.87
m,p-Xylene	2.2	U	0.10	2.2
Xylene, o-	0.87	U	0.069	0.87
Xylene (total)	0.87	U	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	0.221	J	0.084	1.2
1,4-Dichlorobenzene	0.243	J	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	0.201	J	0.084	1.2
1,2,4-Trichlorobenzene	0.456	J	0.20	3.7
Hexachloro-1,3-butadiene	0.247	J	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Control Sample - Batch: 200-75017

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75017/3	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8602_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/17/2014 1230	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1230			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Freon 12	10.0	9.87	99	70 - 130	
Freon 22	10.0	9.15	92	70 - 130	
Freon-114	10.0	10.9	109	70 - 130	
Chloromethane	10.0	8.72	87	70 - 130	
n-Butane	10.0	8.88	89	70 - 130	
Vinyl chloride	10.0	9.42	94	70 - 130	
1,3-Butadiene	10.0	9.15	92	70 - 130	
Bromomethane	10.0	9.50	95	70 - 130	
Chloroethane	10.0	8.54	85	70 - 130	
Vinyl bromide	10.0	9.55	96	70 - 130	
Freon 11	10.0	9.62	96	70 - 130	
Freon 113	10.0	9.88	99	70 - 130	
1,1-Dichloroethene	10.0	9.56	96	70 - 130	
Acetone	10.0	8.48	85	70 - 130	
Isopropyl alcohol	10.0	7.66	77	70 - 130	
Carbon disulfide	10.0	10.6	106	70 - 130	
Allyl chloride	10.0	8.07	81	70 - 130	
Methylene Chloride	10.0	8.93	89	70 - 130	
tert-Butyl alcohol	10.0	8.81	88	70 - 130	
Methyl tert-butyl ether	10.0	9.28	93	70 - 130	
trans-1,2-Dichloroethene	10.0	9.87	99	70 - 130	
Hexane	10.0	8.99	90	70 - 130	
1,1-Dichloroethane	10.0	9.45	95	70 - 130	
Methyl Ethyl Ketone	10.0	8.80	88	70 - 130	
cis-1,2-Dichloroethene	10.0	9.59	96	70 - 130	
Chloroform	10.0	9.81	98	70 - 130	
Tetrahydrofuran	10.0	9.08	91	70 - 130	
1,1,1-Trichloroethane	10.0	10.0	100	70 - 130	
Cyclohexane	10.0	9.80	98	70 - 130	
Carbon tetrachloride	10.0	10.3	103	70 - 130	
2,2,4-Trimethylpentane	10.0	9.25	93	70 - 130	
Benzene	10.0	9.74	97	70 - 130	
1,2-Dichloroethane	10.0	9.42	94	70 - 130	
Heptane	10.0	8.19	82	70 - 130	
Trichloroethene	10.0	9.99	100	70 - 130	
Methyl methacrylate	10.0	9.82	98	70 - 130	
1,2-Dichloropropane	10.0	9.34	93	70 - 130	
1,4-Dioxane	10.0	8.98	90	70 - 130	
Bromodichloromethane	10.0	10.1	101	70 - 130	
cis-1,3-Dichloropropene	10.0	9.92	99	70 - 130	
methyl isobutyl ketone	10.0	9.24	92	70 - 130	
Toluene	10.0	9.06	91	70 - 130	
trans-1,3-Dichloropropene	10.0	10.1	101	70 - 130	
1,1,2-Trichloroethane	10.0	9.79	98	70 - 130	
Tetrachloroethene	10.0	9.61	96	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.08	91	70 - 130	

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Control Sample - Batch: 200-75017

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75017/3	Analysis Batch:	200-75017	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8602_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/17/2014 1230	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/17/2014 1230			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	10.1	101	70 - 130	
1,2-Dibromoethane	10.0	10.1	101	70 - 130	
Chlorobenzene	10.0	9.81	98	70 - 130	
Ethylbenzene	10.0	9.78	98	70 - 130	
m,p-Xylene	20.0	19.7	99	70 - 130	
Xylene, o-	10.0	9.57	96	70 - 130	
Styrene	10.0	10.0	100	70 - 130	
Bromoform	10.0	10.6	106	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.2	102	70 - 130	
n-Propylbenzene	10.0	10.4	104	70 - 130	
4-Ethyltoluene	10.0	10.7	107	70 - 130	
1,3,5-Trimethylbenzene	10.0	10.3	103	70 - 130	
2-Chlorotoluene	10.0	10.1	101	70 - 130	
tert-Butylbenzene	10.0	10.3	103	70 - 130	
1,2,4-Trimethylbenzene	10.0	10.4	104	70 - 130	
sec-Butylbenzene	10.0	10.5	105	70 - 130	
4-Isopropyltoluene	10.0	10.7	107	70 - 130	
1,3-Dichlorobenzene	10.0	10.5	105	70 - 130	
1,4-Dichlorobenzene	10.0	10.5	105	70 - 130	
Benzyl chloride	10.0	11.0	110	70 - 130	
n-Butylbenzene	10.0	10.8	108	70 - 130	
1,2-Dichlorobenzene	10.0	10.4	104	70 - 130	
1,2,4-Trichlorobenzene	10.0	10.1	101	70 - 130	
Hexachloro-1,3-butadiene	10.0	9.57	96	70 - 130	
Naphthalene	10.0	10.1	101	70 - 130	

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Method Blank - Batch: 200-75073

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75073/4	Analysis Batch:	200-75073	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8625_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/18/2014 1426	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 1426			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	0.50	U	0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.20	U	0.030	0.20
Freon 113	0.20	U	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.0	U	1.3	5.0
Isopropyl alcohol	5.0	U	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.50	U	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.20	U	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Method Blank - Batch: 200-75073

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75073/4	Analysis Batch:	200-75073	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8625_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/18/2014 1426	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 1426			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.20	U	0.016	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.20	U	0.013	0.20
m,p-Xylene	0.50	U	0.023	0.50
Xylene, o-	0.20	U	0.016	0.20
Xylene (total)	0.20	U	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.0100	J	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.0137	J	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.0375	J	0.014	0.20
1,4-Dichlorobenzene	0.0409	J	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.0390	J	0.014	0.20
1,2,4-Trichlorobenzene	0.0700	J	0.027	0.50
Hexachloro-1,3-butadiene	0.0234	J	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Method Blank - Batch: 200-75073

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75073/4	Analysis Batch:	200-75073	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8625_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/18/2014 1426	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 1426			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	2.5	U	0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.1	U	0.17	1.1
Freon 113	1.5	U	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12	U	3.0	12
Isopropyl alcohol	12	U	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6
Methylene Chloride	1.7	U	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	0.75	U	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Method Blank - Batch: 200-75073

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75073/4	Analysis Batch:	200-75073	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8625_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/18/2014 1426	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 1426			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.87	U	0.056	0.87
m,p-Xylene	2.2	U	0.10	2.2
Xylene, o-	0.87	U	0.069	0.87
Xylene (total)	0.87	U	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	0.104	J	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	0.0708	J	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	0.226	J	0.084	1.2
1,4-Dichlorobenzene	0.246	J	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	0.234	J	0.084	1.2
1,2,4-Trichlorobenzene	0.519	J	0.20	3.7
Hexachloro-1,3-butadiene	0.250	J	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Control Sample - Batch: 200-75073

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75073/3	Analysis Batch:	200-75073	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8625_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/18/2014 1338	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 1338			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Freon 12	10.0	9.62	96	70 - 130	
Freon 22	10.0	8.84	88	70 - 130	
Freon-114	10.0	10.7	107	70 - 130	
Chloromethane	10.0	8.33	83	70 - 130	
n-Butane	10.0	8.21	82	70 - 130	
Vinyl chloride	10.0	8.72	87	70 - 130	
1,3-Butadiene	10.0	8.10	81	70 - 130	
Bromomethane	10.0	8.33	83	70 - 130	
Chloroethane	10.0	9.13	91	70 - 130	
Vinyl bromide	10.0	9.75	98	70 - 130	
Freon 11	10.0	9.46	95	70 - 130	
Freon 113	10.0	9.87	99	70 - 130	
1,1-Dichloroethene	10.0	9.66	97	70 - 130	
Acetone	10.0	8.12	81	70 - 130	
Isopropyl alcohol	10.0	7.36	74	70 - 130	
Carbon disulfide	10.0	10.4	104	70 - 130	
Allyl chloride	10.0	7.67	77	70 - 130	
Methylene Chloride	10.0	8.48	85	70 - 130	
tert-Butyl alcohol	10.0	8.67	87	70 - 130	
Methyl tert-butyl ether	10.0	9.21	92	70 - 130	
trans-1,2-Dichloroethene	10.0	9.55	96	70 - 130	
Hexane	10.0	8.67	87	70 - 130	
1,1-Dichloroethane	10.0	9.22	92	70 - 130	
Methyl Ethyl Ketone	10.0	8.67	87	70 - 130	
cis-1,2-Dichloroethene	10.0	9.57	96	70 - 130	
Chloroform	10.0	9.62	96	70 - 130	
Tetrahydrofuran	10.0	8.51	85	70 - 130	
1,1,1-Trichloroethane	10.0	9.78	98	70 - 130	
Cyclohexane	10.0	9.71	97	70 - 130	
Carbon tetrachloride	10.0	10.2	102	70 - 130	
2,2,4-Trimethylpentane	10.0	8.88	89	70 - 130	
Benzene	10.0	9.55	96	70 - 130	
1,2-Dichloroethane	10.0	9.07	91	70 - 130	
Heptane	10.0	7.71	77	70 - 130	
Trichloroethene	10.0	9.90	99	70 - 130	
Methyl methacrylate	10.0	9.61	96	70 - 130	
1,2-Dichloropropane	10.0	9.05	90	70 - 130	
1,4-Dioxane	10.0	8.91	89	70 - 130	
Bromodichloromethane	10.0	9.79	98	70 - 130	
cis-1,3-Dichloropropene	10.0	9.84	98	70 - 130	
methyl isobutyl ketone	10.0	8.70	87	70 - 130	
Toluene	10.0	9.04	90	70 - 130	
trans-1,3-Dichloropropene	10.0	10.0	100	70 - 130	
1,1,2-Trichloroethane	10.0	9.83	98	70 - 130	
Tetrachloroethene	10.0	9.93	99	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.63	86	70 - 130	

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Control Sample - Batch: 200-75073

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75073/3	Analysis Batch:	200-75073	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8625_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/18/2014 1338	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/18/2014 1338			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	10.2	102	70 - 130	
1,2-Dibromoethane	10.0	10.2	102	70 - 130	
Chlorobenzene	10.0	10.0	100	70 - 130	
Ethylbenzene	10.0	9.86	99	70 - 130	
m,p-Xylene	20.0	20.0	100	70 - 130	
Xylene, o-	10.0	9.76	98	70 - 130	
Styrene	10.0	10.3	103	70 - 130	
Bromoform	10.0	10.9	109	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.1	101	70 - 130	
n-Propylbenzene	10.0	10.3	103	70 - 130	
4-Ethyltoluene	10.0	10.7	107	70 - 130	
1,3,5-Trimethylbenzene	10.0	10.3	103	70 - 130	
2-Chlorotoluene	10.0	10.0	100	70 - 130	
tert-Butylbenzene	10.0	10.3	103	70 - 130	
1,2,4-Trimethylbenzene	10.0	10.3	103	70 - 130	
sec-Butylbenzene	10.0	10.4	105	70 - 130	
4-Isopropyltoluene	10.0	10.7	107	70 - 130	
1,3-Dichlorobenzene	10.0	10.7	107	70 - 130	
1,4-Dichlorobenzene	10.0	10.7	107	70 - 130	
Benzyl chloride	10.0	10.8	108	70 - 130	
n-Butylbenzene	10.0	10.5	105	70 - 130	
1,2-Dichlorobenzene	10.0	10.6	106	70 - 130	
1,2,4-Trichlorobenzene	10.0	10.2	102	70 - 130	
Hexachloro-1,3-butadiene	10.0	9.78	98	70 - 130	
Naphthalene	10.0	9.95	99	70 - 130	

DATA REPORTING QUALIFIERS

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

Lab Section	Qualifier	Description
Air - GC/MS VOA		
	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
Sdg Number: 200-23187

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-75017					
LCS 200-75017/3	Lab Control Sample	T	Air	TO-15	
MB 200-75017/4	Method Blank	T	Air	TO-15	
200-23187-1	GCTS PRE CARBON	T	Air	TO-15	
200-23187-2	GCTS MID CARBON	T	Air	TO-15	
200-23187-3	GCTS POST CARBON	T	Air	TO-15	
200-23187-4	SSDS MID-CARBON	T	Air	TO-15	
200-23187-5	SSDS EFFLUENT(POST CARBON)	T	Air	TO-15	
200-23187-6	SDS-1	T	Air	TO-15	
200-23187-7	SDS-2	T	Air	TO-15	
200-23187-8	SDS-3	T	Air	TO-15	
200-23187-9	SDS-4	T	Air	TO-15	
200-23187-10	SDS-5	T	Air	TO-15	
200-23187-11	SDS-6	T	Air	TO-15	
200-23187-12	SDS-7	T	Air	TO-15	
200-23187-13	SDS-8	T	Air	TO-15	
Analysis Batch:200-75073					
LCS 200-75073/3	Lab Control Sample	T	Air	TO-15	
MB 200-75073/4	Method Blank	T	Air	TO-15	
200-23187-14	VMP-8C	T	Air	TO-15	

Report Basis
T = Total

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
SDG: 200-23187

Laboratory Chronicle

Lab ID: 200-23187-1 **Client ID:** GCTS PRE CARBON

Sample Date/Time: 07/10/2014 10:25 Received Date/Time: 07/14/2014 08:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-23187-A-1		200-75017		07/18/2014 08:01	2	TAL BUR	BPL
A:TO-15	200-23187-A-1		200-75017		07/18/2014 08:01	2	TAL BUR	BPL

Lab ID: 200-23187-2 **Client ID:** GCTS MID CARBON

Sample Date/Time: 07/10/2014 10:17 Received Date/Time: 07/14/2014 08:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-23187-A-2		200-75017		07/18/2014 08:48	2	TAL BUR	BPL
A:TO-15	200-23187-A-2		200-75017		07/18/2014 08:48	2	TAL BUR	BPL

Lab ID: 200-23187-3 **Client ID:** GCTS POST CARBON

Sample Date/Time: 07/10/2014 10:12 Received Date/Time: 07/14/2014 08:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-23187-A-3		200-75017		07/17/2014 15:50	1	TAL BUR	BPL
A:TO-15	200-23187-A-3		200-75017		07/17/2014 15:50	1	TAL BUR	BPL

Lab ID: 200-23187-4 **Client ID:** SSDS MID-CARBON

Sample Date/Time: 07/10/2014 16:45 Received Date/Time: 07/14/2014 08:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-23187-A-4		200-75017		07/17/2014 16:40	6	TAL BUR	BPL
A:TO-15	200-23187-A-4		200-75017		07/17/2014 16:40	6	TAL BUR	BPL

Lab ID: 200-23187-5 **Client ID:** SSDS EFFLUENT(POST CARBON)

Sample Date/Time: 07/10/2014 16:41 Received Date/Time: 07/14/2014 08:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-23187-A-5		200-75017		07/17/2014 17:31	1	TAL BUR	BPL
A:TO-15	200-23187-A-5		200-75017		07/17/2014 17:31	1	TAL BUR	BPL

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
SDG: 200-23187

Laboratory Chronicle

Lab ID: 200-23187-6 **Client ID:** SDS-1

Sample Date/Time: 07/10/2014 15:25 Received Date/Time: 07/14/2014 08:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-23187-A-6		200-75017		07/17/2014 18:21	5	TAL BUR	BPL
A:TO-15	200-23187-A-6		200-75017		07/17/2014 18:21	5	TAL BUR	BPL

Lab ID: 200-23187-7 **Client ID:** SDS-2

Sample Date/Time: 07/10/2014 15:34 Received Date/Time: 07/14/2014 08:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-23187-A-7		200-75017		07/17/2014 19:09	8	TAL BUR	BPL
A:TO-15	200-23187-A-7		200-75017		07/17/2014 19:09	8	TAL BUR	BPL

Lab ID: 200-23187-8 **Client ID:** SDS-3

Sample Date/Time: 07/10/2014 15:55 Received Date/Time: 07/14/2014 08:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-23187-A-8		200-75017		07/17/2014 19:58	5	TAL BUR	BPL
A:TO-15	200-23187-A-8		200-75017		07/17/2014 19:58	5	TAL BUR	BPL

Lab ID: 200-23187-9 **Client ID:** SDS-4

Sample Date/Time: 07/10/2014 15:43 Received Date/Time: 07/14/2014 08:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-23187-A-9		200-75017		07/17/2014 20:48	2.5	TAL BUR	BPL
A:TO-15	200-23187-A-9		200-75017		07/17/2014 20:48	2.5	TAL BUR	BPL

Lab ID: 200-23187-10 **Client ID:** SDS-5

Sample Date/Time: 07/10/2014 15:07 Received Date/Time: 07/14/2014 08:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-23187-A-10		200-75017		07/17/2014 21:36	5	TAL BUR	BPL
A:TO-15	200-23187-A-10		200-75017		07/17/2014 21:36	5	TAL BUR	BPL

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
SDG: 200-23187

Laboratory Chronicle

Lab ID: 200-23187-11 **Client ID:** SDS-6

Sample Date/Time: 07/10/2014 15:00 Received Date/Time: 07/14/2014 08:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-23187-A-11		200-75017		07/17/2014 22:25	8	TAL BUR	BPL
A:TO-15	200-23187-A-11		200-75017		07/17/2014 22:25	8	TAL BUR	BPL

Lab ID: 200-23187-12 **Client ID:** SDS-7

Sample Date/Time: 07/10/2014 14:45 Received Date/Time: 07/14/2014 08:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-23187-A-12		200-75017		07/18/2014 05:21	1.25	TAL BUR	BPL
A:TO-15	200-23187-A-12		200-75017		07/18/2014 05:21	1.25	TAL BUR	BPL

Lab ID: 200-23187-13 **Client ID:** SDS-8

Sample Date/Time: 07/10/2014 14:40 Received Date/Time: 07/14/2014 08:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-23187-A-13		200-75017		07/18/2014 06:09	2	TAL BUR	BPL
A:TO-15	200-23187-A-13		200-75017		07/18/2014 06:09	2	TAL BUR	BPL

Lab ID: 200-23187-14 **Client ID:** VMP-8C

Sample Date/Time: 07/10/2014 14:15 Received Date/Time: 07/14/2014 08:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-23187-A-14		200-75073		07/18/2014 15:18	1	TAL BUR	BPL
A:TO-15	200-23187-A-14		200-75073		07/18/2014 15:18	1	TAL BUR	BPL

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-75017/4		200-75017		07/17/2014 13:20	1	TAL BUR	BPL
A:TO-15	MB 200-75017/4		200-75017		07/17/2014 13:20	1	TAL BUR	BPL
P:Summa Canister	MB 200-75073/4		200-75073		07/18/2014 14:26	1	TAL BUR	BPL
A:TO-15	MB 200-75073/4		200-75073		07/18/2014 14:26	1	TAL BUR	BPL

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
SDG: 200-23187

Laboratory Chronicle

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-75017/3		200-75017		07/17/2014 12:30	1	TAL BUR	BPL
A:TO-15	LCS 200-75017/3		200-75017		07/17/2014 12:30	1	TAL BUR	BPL
P:Summa Canister	LCS 200-75073/3		200-75073		07/18/2014 13:38	1	TAL BUR	BPL
A:TO-15	LCS 200-75073/3		200-75073		07/18/2014 13:38	1	TAL BUR	BPL

Lab References:
TAL BUR = TestAmerica Burlington

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: LMC Utica

TestAmerica Job ID: 200-23187-1
SDG: 200-23187

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA
TestAmerica Burlington	Florida	NELAP	4	E87467
TestAmerica Burlington	L-A-B	DoD ELAP		L2336
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAP	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAP	1	2006
TestAmerica Burlington	New Jersey	NELAP	2	VT972
TestAmerica Burlington	New York	NELAP	2	10391
TestAmerica Burlington	Pennsylvania	NELAP	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	US Fish & Wildlife	Federal		LE-058448-0
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAP	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method TO15

Volatile Organic Compounds (GC/MS)
by Method TO15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Matrix: Air Level: Low Lab File ID: 8602_003.d

Lab ID: LCS 200-75017/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 12	10.0	9.87	99	70-130	
Freon 22	10.0	9.15	92	70-130	
Freon-114	10.0	10.9	109	70-130	
Chloromethane	10.0	8.72	87	70-130	
n-Butane	10.0	8.88	89	70-130	
Vinyl chloride	10.0	9.42	94	70-130	
1,3-Butadiene	10.0	9.15	92	70-130	
Bromomethane	10.0	9.50	95	70-130	
Chloroethane	10.0	8.54	85	70-130	
Vinyl bromide	10.0	9.55	96	70-130	
Freon 11	10.0	9.62	96	70-130	
Freon 113	10.0	9.88	99	70-130	
1,1-Dichloroethene	10.0	9.56	96	70-130	
Acetone	10.0	8.48	85	70-130	
Isopropyl alcohol	10.0	7.66	77	70-130	
Carbon disulfide	10.0	10.6	106	70-130	
Allyl chloride	10.0	8.07	81	70-130	
Methylene Chloride	10.0	8.93	89	70-130	
tert-Butyl alcohol	10.0	8.81	88	70-130	
Methyl tert-butyl ether	10.0	9.28	93	70-130	
trans-1,2-Dichloroethene	10.0	9.87	99	70-130	
Hexane	10.0	8.99	90	70-130	
1,1-Dichloroethane	10.0	9.45	95	70-130	
Methyl Ethyl Ketone	10.0	8.80	88	70-130	
cis-1,2-Dichloroethene	10.0	9.59	96	70-130	
Chloroform	10.0	9.81	98	70-130	
Tetrahydrofuran	10.0	9.08	91	70-130	
1,1,1-Trichloroethane	10.0	10.0	100	70-130	
Cyclohexane	10.0	9.80	98	70-130	
Carbon tetrachloride	10.0	10.3	103	70-130	
2,2,4-Trimethylpentane	10.0	9.25	93	70-130	
Benzene	10.0	9.74	97	70-130	
1,2-Dichloroethane	10.0	9.42	94	70-130	
Heptane	10.0	8.19	82	70-130	
Trichloroethene	10.0	9.99	100	70-130	
Methyl methacrylate	10.0	9.82	98	70-130	
1,2-Dichloropropane	10.0	9.34	93	70-130	
1,4-Dioxane	10.0	8.98	90	70-130	
Bromodichloromethane	10.0	10.1	101	70-130	
cis-1,3-Dichloropropene	10.0	9.92	99	70-130	
methyl isobutyl ketone	10.0	9.24	92	70-130	
Toluene	10.0	9.06	91	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Matrix: Air Level: Low Lab File ID: 8602_003.d

Lab ID: LCS 200-75017/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.1	101	70-130	
1,1,2-Trichloroethane	10.0	9.79	98	70-130	
Tetrachloroethene	10.0	9.61	96	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.08	91	70-130	
Dibromochloromethane	10.0	10.1	101	70-130	
1,2-Dibromoethane	10.0	10.1	101	70-130	
Chlorobenzene	10.0	9.81	98	70-130	
Ethylbenzene	10.0	9.78	98	70-130	
m,p-Xylene	20.0	19.7	99	70-130	
Xylene, o-	10.0	9.57	96	70-130	
Styrene	10.0	10.0	100	70-130	
Bromoform	10.0	10.6	106	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.2	102	70-130	
n-Propylbenzene	10.0	10.4	104	70-130	
4-Ethyltoluene	10.0	10.7	107	70-130	
1,3,5-Trimethylbenzene	10.0	10.3	103	70-130	
2-Chlorotoluene	10.0	10.1	101	70-130	
tert-Butylbenzene	10.0	10.3	103	70-130	
1,2,4-Trimethylbenzene	10.0	10.4	104	70-130	
sec-Butylbenzene	10.0	10.5	105	70-130	
4-Isopropyltoluene	10.0	10.7	107	70-130	
1,3-Dichlorobenzene	10.0	10.5	105	70-130	
1,4-Dichlorobenzene	10.0	10.5	105	70-130	
Benzyl chloride	10.0	11.0	110	70-130	
n-Butylbenzene	10.0	10.8	108	70-130	
1,2-Dichlorobenzene	10.0	10.4	104	70-130	
1,2,4-Trichlorobenzene	10.0	10.1	101	70-130	
Hexachloro-1,3-butadiene	10.0	9.57	96	70-130	
Naphthalene	10.0	10.1	101	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Matrix: Air Level: Low Lab File ID: 8625_003.d

Lab ID: LCS 200-75073/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 12	10.0	9.62	96	70-130	
Freon 22	10.0	8.84	88	70-130	
Freon-114	10.0	10.7	107	70-130	
Chloromethane	10.0	8.33	83	70-130	
n-Butane	10.0	8.21	82	70-130	
Vinyl chloride	10.0	8.72	87	70-130	
1,3-Butadiene	10.0	8.10	81	70-130	
Bromomethane	10.0	8.33	83	70-130	
Chloroethane	10.0	9.13	91	70-130	
Vinyl bromide	10.0	9.75	98	70-130	
Freon 11	10.0	9.46	95	70-130	
Freon 113	10.0	9.87	99	70-130	
1,1-Dichloroethene	10.0	9.66	97	70-130	
Acetone	10.0	8.12	81	70-130	
Isopropyl alcohol	10.0	7.36	74	70-130	
Carbon disulfide	10.0	10.4	104	70-130	
Allyl chloride	10.0	7.67	77	70-130	
Methylene Chloride	10.0	8.48	85	70-130	
tert-Butyl alcohol	10.0	8.67	87	70-130	
Methyl tert-butyl ether	10.0	9.21	92	70-130	
trans-1,2-Dichloroethene	10.0	9.55	96	70-130	
Hexane	10.0	8.67	87	70-130	
1,1-Dichloroethane	10.0	9.22	92	70-130	
Methyl Ethyl Ketone	10.0	8.67	87	70-130	
cis-1,2-Dichloroethene	10.0	9.57	96	70-130	
Chloroform	10.0	9.62	96	70-130	
Tetrahydrofuran	10.0	8.51	85	70-130	
1,1,1-Trichloroethane	10.0	9.78	98	70-130	
Cyclohexane	10.0	9.71	97	70-130	
Carbon tetrachloride	10.0	10.2	102	70-130	
2,2,4-Trimethylpentane	10.0	8.88	89	70-130	
Benzene	10.0	9.55	96	70-130	
1,2-Dichloroethane	10.0	9.07	91	70-130	
Heptane	10.0	7.71	77	70-130	
Trichloroethene	10.0	9.90	99	70-130	
Methyl methacrylate	10.0	9.61	96	70-130	
1,2-Dichloropropane	10.0	9.05	90	70-130	
1,4-Dioxane	10.0	8.91	89	70-130	
Bromodichloromethane	10.0	9.79	98	70-130	
cis-1,3-Dichloropropene	10.0	9.84	98	70-130	
methyl isobutyl ketone	10.0	8.70	87	70-130	
Toluene	10.0	9.04	90	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Matrix: Air Level: Low Lab File ID: 8625_003.d

Lab ID: LCS 200-75073/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.0	100	70-130	
1,1,2-Trichloroethane	10.0	9.83	98	70-130	
Tetrachloroethene	10.0	9.93	99	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.63	86	70-130	
Dibromochloromethane	10.0	10.2	102	70-130	
1,2-Dibromoethane	10.0	10.2	102	70-130	
Chlorobenzene	10.0	10.0	100	70-130	
Ethylbenzene	10.0	9.86	99	70-130	
m,p-Xylene	20.0	20.0	100	70-130	
Xylene, o-	10.0	9.76	98	70-130	
Styrene	10.0	10.3	103	70-130	
Bromoform	10.0	10.9	109	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.1	101	70-130	
n-Propylbenzene	10.0	10.3	103	70-130	
4-Ethyltoluene	10.0	10.7	107	70-130	
1,3,5-Trimethylbenzene	10.0	10.3	103	70-130	
2-Chlorotoluene	10.0	10.0	100	70-130	
tert-Butylbenzene	10.0	10.3	103	70-130	
1,2,4-Trimethylbenzene	10.0	10.3	103	70-130	
sec-Butylbenzene	10.0	10.4	105	70-130	
4-Isopropyltoluene	10.0	10.7	107	70-130	
1,3-Dichlorobenzene	10.0	10.7	107	70-130	
1,4-Dichlorobenzene	10.0	10.7	107	70-130	
Benzyl chloride	10.0	10.8	108	70-130	
n-Butylbenzene	10.0	10.5	105	70-130	
1,2-Dichlorobenzene	10.0	10.6	106	70-130	
1,2,4-Trichlorobenzene	10.0	10.2	102	70-130	
Hexachloro-1,3-butadiene	10.0	9.78	98	70-130	
Naphthalene	10.0	9.95	99	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Lab File ID: 8602_004.d Lab Sample ID: MB 200-75017/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 07/17/2014 13:20

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-75017/3	8602_003.d	07/17/2014 12:30
GCTS POST CARBON	200-23187-3	8602_007.d	07/17/2014 15:50
SSDS MID-CARBON	200-23187-4	8602_008.d	07/17/2014 16:40
SSDS EFFLUENT(POST CARBON)	200-23187-5	8602_009.d	07/17/2014 17:31
SDS-1	200-23187-6	8602_010.d	07/17/2014 18:21
SDS-2	200-23187-7	8602_011.d	07/17/2014 19:09
SDS-3	200-23187-8	8602_012.d	07/17/2014 19:58
SDS-4	200-23187-9	8602_013.d	07/17/2014 20:48
SDS-5	200-23187-10	8602_014.d	07/17/2014 21:36
SDS-6	200-23187-11	8602_015.d	07/17/2014 22:25
SDS-7	200-23187-12	8602_023.d	07/18/2014 05:21
SDS-8	200-23187-13	8602_024.d	07/18/2014 06:09
GCTS PRE CARBON	200-23187-1	8602_025.d	07/18/2014 08:01
GCTS MID CARBON	200-23187-2	8602_026.d	07/18/2014 08:48

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Lab File ID: 8625_004.d Lab Sample ID: MB 200-75073/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 07/18/2014 14:26

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-75073/3	8625_003.d	07/18/2014 13:38
VMP-8C	200-23187-14	8625_005.d	07/18/2014 15:18

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Lab File ID: 8058_001.d BFB Injection Date: 06/14/2014

Instrument ID: CHW.i BFB Injection Time: 06:27

Analysis Batch No.: 73568

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.5	
75	30.0 - 66.0% of mass 95	42.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	107.0	
175	4.0 - 9.0 % of mass 174	7.6	(7.1)1
176	93.0 - 101.0% of mass 174	105.6	(98.7)1
177	5.0 - 9.0% of mass 176	7.0	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-73568/5	8058_005.d	06/14/2014	09:46
	IC 200-73568/6	8058_006.d	06/14/2014	10:36
	ICIS 200-73568/7	8058_007.d	06/14/2014	11:26
	IC 200-73568/8	8058_008.d	06/14/2014	12:16
	IC 200-73568/9	8058_009.d	06/14/2014	13:06
	IC 200-73568/10	8058_010.d	06/14/2014	13:56
	IC 200-73568/16	8058_016.d	06/14/2014	23:41
	IC 200-73568/17	8058_017.d	06/15/2014	00:33
	ICV 200-73568/19	8058_019.d	06/15/2014	02:11

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Lab File ID: 8602_001.d BFB Injection Date: 07/17/2014

Instrument ID: CHW.i BFB Injection Time: 10:48

Analysis Batch No.: 75017

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.4	
75	30.0 - 66.0% of mass 95	42.1	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	105.8	
175	4.0 - 9.0 % of mass 174	7.3	(6.9)1
176	93.0 - 101.0% of mass 174	102.8	(97.2)1
177	5.0 - 9.0% of mass 176	7.0	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-75017/2	8602_002.d	07/17/2014	11:41
	LCS 200-75017/3	8602_003.d	07/17/2014	12:30
	MB 200-75017/4	8602_004.d	07/17/2014	13:20
GCTS POST CARBON	200-23187-3	8602_007.d	07/17/2014	15:50
SSDS MID-CARBON	200-23187-4	8602_008.d	07/17/2014	16:40
SSDS EFFLUENT(POST CARBON)	200-23187-5	8602_009.d	07/17/2014	17:31
SDS-1	200-23187-6	8602_010.d	07/17/2014	18:21
SDS-2	200-23187-7	8602_011.d	07/17/2014	19:09
SDS-3	200-23187-8	8602_012.d	07/17/2014	19:58
SDS-4	200-23187-9	8602_013.d	07/17/2014	20:48
SDS-5	200-23187-10	8602_014.d	07/17/2014	21:36
SDS-6	200-23187-11	8602_015.d	07/17/2014	22:25
SDS-7	200-23187-12	8602_023.d	07/18/2014	05:21
SDS-8	200-23187-13	8602_024.d	07/18/2014	06:09
GCTS PRE CARBON	200-23187-1	8602_025.d	07/18/2014	08:01
GCTS MID CARBON	200-23187-2	8602_026.d	07/18/2014	08:48

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Lab File ID: 8625_001.d BFB Injection Date: 07/18/2014

Instrument ID: CHW.i BFB Injection Time: 10:31

Analysis Batch No.: 75073

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.8	
75	30.0 - 66.0% of mass 95	41.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	109.8	
175	4.0 - 9.0 % of mass 174	7.7	(7.0)1
176	93.0 - 101.0% of mass 174	106.4	(96.9)1
177	5.0 - 9.0% of mass 176	7.1	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-75073/2	8625_002.d	07/18/2014	12:49
	LCS 200-75073/3	8625_003.d	07/18/2014	13:38
	MB 200-75073/4	8625_004.d	07/18/2014	14:26
VMP-8C	200-23187-14	8625_005.d	07/18/2014	15:18

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Sample No.: ICIS 200-73568/7 Date Analyzed: 06/14/2014 11:26

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 8058_007.d Heated Purge: (Y/N) N

Calibration ID: 27113

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		621706	12.86	3022390	14.74	2781609	20.43
UPPER LIMIT		870388	13.19	4231346	15.07	3894253	20.76
LOWER LIMIT		373024	12.53	1813434	14.41	1668965	20.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-73568/19		662374	12.86	3213738	14.74	2947455	20.43

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Sample No.: CCVIS 200-75017/2 Date Analyzed: 07/17/2014 11:41

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 8602_002.d Heated Purge: (Y/N) N

Calibration ID: 27113

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		441901	12.85	2137517	14.73	2008889	20.43
UPPER LIMIT		618661	13.18	2992524	15.06	2812445	20.76
LOWER LIMIT		265141	12.52	1282510	14.40	1205333	20.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-75017/3		495144	12.86	2377089	14.74	2214920	20.43
MB 200-75017/4		482756	12.85	2383873	14.73	2113721	20.43
200-23187-3	GCTS POST CARBON	416036	12.84	2028540	14.73	1842189	20.43
200-23187-4	SSDS MID-CARBON	423905	12.85	2066296	14.73	1855363	20.43
200-23187-5	SSDS EFFLUENT(POST CARBON)	399258	12.84	1909385	14.73	1701974	20.43
200-23187-6	SDS-1	390899	12.84	1892543	14.73	1701146	20.43
200-23187-7	SDS-2	353464	12.84	1722922	14.73	1593225	20.43
200-23187-8	SDS-3	363962	12.84	1751136	14.73	1581133	20.43
200-23187-9	SDS-4	389298	12.85	1897142	14.73	1748472	20.43
200-23187-10	SDS-5	414203	12.84	2038629	14.73	1805900	20.43
200-23187-11	SDS-6	396237	12.85	1925207	14.73	1726217	20.43
200-23187-12	SDS-7	493033	12.84	2383667	14.73	2131316	20.43
200-23187-13	SDS-8	404470	12.84	1937455	14.73	1763984	20.43
200-23187-1	GCTS PRE CARBON	468371	12.85	2234308	14.73	2005045	20.43
200-23187-2	GCTS MID CARBON	427561	12.85	2030537	14.73	1795129	20.43

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Sample No.: CCVIS 200-75073/2 Date Analyzed: 07/18/2014 12:49

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 8625_002.d Heated Purge: (Y/N) N

Calibration ID: 27113

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		491198	12.84	2364527	14.73	2171560	20.43
UPPER LIMIT		687677	13.17	3310338	15.06	3040184	20.76
LOWER LIMIT		294719	12.51	1418716	14.40	1302936	20.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-75073/3		522942	12.84	2521567	14.73	2323943	20.43
MB 200-75073/4		522880	12.84	2573406	14.73	2299659	20.43
200-23187-14	VMP-8C	489426	12.85	2373014	14.73	2147050	20.43

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-23187-1

Matrix: Air Lab File ID: 8602_025.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:25

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 08:01

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.56	J	1.0	0.060
75-45-6	Freon 22	86.47	0.29	J	1.0	0.096
76-14-2	Freon-114	170.92	0.40	U	0.40	0.070
74-87-3	Chloromethane	50.49	0.53	J	1.0	0.27
106-97-8	n-Butane	58.12	1.0	U	1.0	0.56
75-01-4	Vinyl chloride	62.50	0.40		0.080	0.076
106-99-0	1,3-Butadiene	54.09	0.40	U	0.40	0.084
74-83-9	Bromomethane	94.94	0.40	U	0.40	0.056
75-00-3	Chloroethane	64.52	1.0	U	1.0	0.060
593-60-2	Vinyl bromide	106.96	0.40	U	0.40	0.060
75-69-4	Freon 11	137.37	0.25	J	0.40	0.060
76-13-1	Freon 113	187.38	4.8		0.40	0.036
75-35-4	1,1-Dichloroethene	96.94	0.098	J	0.40	0.048
67-64-1	Acetone	58.08	10	U	10	2.5
67-63-0	Isopropyl alcohol	60.10	10	U	10	0.43
75-15-0	Carbon disulfide	76.14	1.0	U	1.0	0.13
107-05-1	Allyl chloride	76.53	1.0	U	1.0	0.068
75-09-2	Methylene Chloride	84.93	0.31	J	1.0	0.25
75-65-0	tert-Butyl alcohol	74.12	10	U	10	0.66
1634-04-4	Methyl tert-butyl ether	88.15	0.070	J	0.40	0.044
156-60-5	trans-1,2-Dichloroethene	96.94	0.23	J	0.40	0.058
110-54-3	Hexane	86.17	0.40	U	0.40	0.068
75-34-3	1,1-Dichloroethane	98.96	6.2		0.40	0.076
78-93-3	Methyl Ethyl Ketone	72.11	1.0	U	1.0	0.48
156-59-2	cis-1,2-Dichloroethene	96.94	46		0.40	0.076
540-59-0	1,2-Dichloroethene, Total	96.94	46		0.40	0.13
67-66-3	Chloroform	119.38	0.61		0.40	0.050
109-99-9	Tetrahydrofuran	72.11	0.32	J	10	0.092
71-55-6	1,1,1-Trichloroethane	133.41	0.40	U	0.40	0.042
110-82-7	Cyclohexane	84.16	0.40	U	0.40	0.050
56-23-5	Carbon tetrachloride	153.81	0.080		0.080	0.042
540-84-1	2,2,4-Trimethylpentane	114.23	0.40	U	0.40	0.054
71-43-2	Benzene	78.11	0.056	J	0.40	0.038
107-06-2	1,2-Dichloroethane	98.96	0.40	U	0.40	0.034
142-82-5	Heptane	100.21	0.40	U	0.40	0.092

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-23187-1

Matrix: Air Lab File ID: 8602_025.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:25

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 08:01

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	42		0.080	0.048
80-62-6	Methyl methacrylate	100.12	1.0	U	1.0	0.060
78-87-5	1,2-Dichloropropane	112.99	0.40	U	0.40	0.064
123-91-1	1,4-Dioxane	88.11	10	U	10	0.40
75-27-4	Bromodichloromethane	163.83	0.40	U	0.40	0.034
10061-01-5	cis-1,3-Dichloropropene	110.97	0.40	U	0.40	0.056
108-10-1	methyl isobutyl ketone	100.16	1.0	U	1.0	0.054
108-88-3	Toluene	92.14	0.13	J	0.40	0.034
10061-02-6	trans-1,3-Dichloropropene	110.97	0.40	U	0.40	0.044
79-00-5	1,1,2-Trichloroethane	133.41	0.40	U	0.40	0.034
127-18-4	Tetrachloroethene	165.83	41		0.40	0.032
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.0	U	1.0	0.40
124-48-1	Dibromochloromethane	208.29	0.40	U	0.40	0.040
106-93-4	1,2-Dibromoethane	187.87	0.40	U	0.40	0.040
108-90-7	Chlorobenzene	112.56	0.40	U	0.40	0.016
100-41-4	Ethylbenzene	106.17	0.037	J	0.40	0.026
179601-23-1	m,p-Xylene	106.17	0.10	J	1.0	0.046
95-47-6	Xylene, o-	106.17	0.063	J	0.40	0.032
1330-20-7	Xylene (total)	106.17	0.16	J	0.40	0.068
100-42-5	Styrene	104.15	0.40	U	0.40	0.036
75-25-2	Bromoform	252.75	0.40	U	0.40	0.020
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.40	U	0.40	0.032
103-65-1	n-Propylbenzene	120.19	0.40	U	0.40	0.16
622-96-8	4-Ethyltoluene	120.20	0.40	U	0.40	0.036
108-67-8	1,3,5-Trimethylbenzene	120.20	0.40	U	0.40	0.024
95-49-8	2-Chlorotoluene	126.59	0.40	U	0.40	0.026
98-06-6	tert-Butylbenzene	134.22	0.40	U	0.40	0.034
95-63-6	1,2,4-Trimethylbenzene	120.20	0.071	J	0.40	0.028
135-98-8	sec-Butylbenzene	134.22	0.40	U	0.40	0.16
99-87-6	4-Isopropyltoluene	134.22	0.40	U	0.40	0.16
541-73-1	1,3-Dichlorobenzene	147.00	0.40	U	0.40	0.028
106-46-7	1,4-Dichlorobenzene	147.00	0.40	U	0.40	0.028
100-44-7	Benzyl chloride	126.58	0.40	U	0.40	0.16
104-51-8	n-Butylbenzene	134.22	0.40	U	0.40	0.16

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-23187-1

Matrix: Air Lab File ID: 8602_025.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:25

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 08:01

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.40	U	0.40	0.028
120-82-1	1,2,4-Trichlorobenzene	181.45	1.0	U	1.0	0.054
87-68-3	Hexachloro-1,3-butadiene	260.76	0.40	U	0.40	0.044
91-20-3	Naphthalene	128.17	1.0	U	1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-23187-1

Matrix: Air Lab File ID: 8602_025.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:25

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 08:01

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.8	J	4.9	0.30
75-45-6	Freon 22	86.47	1.0	J	3.5	0.34
76-14-2	Freon-114	170.92	2.8	U	2.8	0.49
74-87-3	Chloromethane	50.49	1.1	J	2.1	0.56
106-97-8	n-Butane	58.12	2.4	U	2.4	1.3
75-01-4	Vinyl chloride	62.50	1.0		0.20	0.19
106-99-0	1,3-Butadiene	54.09	0.88	U	0.88	0.19
74-83-9	Bromomethane	94.94	1.6	U	1.6	0.22
75-00-3	Chloroethane	64.52	2.6	U	2.6	0.16
593-60-2	Vinyl bromide	106.96	1.7	U	1.7	0.26
75-69-4	Freon 11	137.37	1.4	J	2.2	0.34
76-13-1	Freon 113	187.38	37		3.1	0.28
75-35-4	1,1-Dichloroethene	96.94	0.39	J	1.6	0.19
67-64-1	Acetone	58.08	24	U	24	5.9
67-63-0	Isopropyl alcohol	60.10	25	U	25	1.1
75-15-0	Carbon disulfide	76.14	3.1	U	3.1	0.41
107-05-1	Allyl chloride	76.53	3.1	U	3.1	0.21
75-09-2	Methylene Chloride	84.93	1.1	J	3.5	0.87
75-65-0	tert-Butyl alcohol	74.12	30	U	30	2.0
1634-04-4	Methyl tert-butyl ether	88.15	0.25	J	1.4	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	0.92	J	1.6	0.23
110-54-3	Hexane	86.17	1.4	U	1.4	0.24
75-34-3	1,1-Dichloroethane	98.96	25		1.6	0.31
78-93-3	Methyl Ethyl Ketone	72.11	2.9	U	2.9	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	180		1.6	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	180		1.6	0.51
67-66-3	Chloroform	119.38	3.0		2.0	0.24
109-99-9	Tetrahydrofuran	72.11	0.95	J	29	0.27
71-55-6	1,1,1-Trichloroethane	133.41	2.2	U	2.2	0.23
110-82-7	Cyclohexane	84.16	1.4	U	1.4	0.17
56-23-5	Carbon tetrachloride	153.81	0.51		0.50	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	1.9	U	1.9	0.25
71-43-2	Benzene	78.11	0.18	J	1.3	0.12
107-06-2	1,2-Dichloroethane	98.96	1.6	U	1.6	0.14
142-82-5	Heptane	100.21	1.6	U	1.6	0.38

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-23187-1

Matrix: Air Lab File ID: 8602_025.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:25

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 08:01

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	220		0.43	0.26
80-62-6	Methyl methacrylate	100.12	4.1	U	4.1	0.25
78-87-5	1,2-Dichloropropane	112.99	1.8	U	1.8	0.30
123-91-1	1,4-Dioxane	88.11	36	U	36	1.4
75-27-4	Bromodichloromethane	163.83	2.7	U	2.7	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	1.8	U	1.8	0.25
108-10-1	methyl isobutyl ketone	100.16	4.1	U	4.1	0.22
108-88-3	Toluene	92.14	0.49	J	1.5	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	1.8	U	1.8	0.20
79-00-5	1,1,2-Trichloroethane	133.41	2.2	U	2.2	0.19
127-18-4	Tetrachloroethene	165.83	280		2.7	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.1	U	4.1	1.6
124-48-1	Dibromochloromethane	208.29	3.4	U	3.4	0.34
106-93-4	1,2-Dibromoethane	187.87	3.1	U	3.1	0.31
108-90-7	Chlorobenzene	112.56	1.8	U	1.8	0.075
100-41-4	Ethylbenzene	106.17	0.16	J	1.7	0.11
179601-23-1	m,p-Xylene	106.17	0.45	J	4.3	0.20
95-47-6	Xylene, o-	106.17	0.27	J	1.7	0.14
1330-20-7	Xylene (total)	106.17	0.71	J	1.7	0.30
100-42-5	Styrene	104.15	1.7	U	1.7	0.15
75-25-2	Bromoform	252.75	4.1	U	4.1	0.21
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.7	U	2.7	0.22
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.79
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.18
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	0.12
95-49-8	2-Chlorotoluene	126.59	2.1	U	2.1	0.13
98-06-6	tert-Butylbenzene	134.22	2.2	U	2.2	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	0.35	J	2.0	0.14
135-98-8	sec-Butylbenzene	134.22	2.2	U	2.2	0.88
99-87-6	4-Isopropyltoluene	134.22	2.2	U	2.2	0.88
541-73-1	1,3-Dichlorobenzene	147.00	2.4	U	2.4	0.17
106-46-7	1,4-Dichlorobenzene	147.00	2.4	U	2.4	0.17
100-44-7	Benzyl chloride	126.58	2.1	U	2.1	0.83
104-51-8	n-Butylbenzene	134.22	2.2	U	2.2	0.88

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-23187-1

Matrix: Air Lab File ID: 8602_025.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:25

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 08:01

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	2.4	U	2.4	0.17
120-82-1	1,2,4-Trichlorobenzene	181.45	7.4	U	7.4	0.40
87-68-3	Hexachloro-1,3-butadiene	260.76	4.3	U	4.3	0.47
91-20-3	Naphthalene	128.17	5.2	U	5.2	2.1

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_025.d
Lims ID: 200-23187-A-1 Lab Sample ID: 200-23187-1
Client ID: GCTS PRE CARBON
Sample Type: Client
Inject. Date: 18-Jul-2014 08:01:30 ALS Bottle#: 8 Worklist Smp#: 25
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Sample Info: 200-0008602-025
Misc. Info.: 200-23187-a-1
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Jul-2014 10:22:41 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 18-Jul-2014 10:19:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.499	4.488	0.011	98	38426	0.2806	
6 Chlorodifluoromethane	51	4.563	4.552	0.011	96	10000	0.1460	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.836				ND	
8 Chloromethane	50	5.034	5.034	0.000	99	10761	0.2656	
9 Butane	43		5.291				ND	
10 Vinyl chloride	62	5.366	5.349	0.017	96	10035	0.1994	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.318				ND	
14 Chloroethane	64		6.601				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101	7.195	7.190	0.005	98	18770	0.1242	
23 1,1,2-Trichloro-1,2,2-trif	101	8.436	8.436	0.000	98	278009	2.40	
24 1,1-Dichloroethene	96	8.522	8.511	0.011	43	2784	0.0490	
25 Acetone	43		8.741				ND	
26 Carbon disulfide	76		9.003				ND	
27 Isopropyl alcohol	45		9.025				ND	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49	9.742	9.731	0.011	84	7688	0.1568	
32 2-Methyl-2-propanol	59		9.897				ND	
33 Methyl tert-butyl ether	73	10.154	10.148	0.006	57	5277	0.0348	
S 41 1,2-Dichloroethene, Total	61				0		23.0	
34 trans-1,2-Dichloroethene	61	10.229	10.228	0.000	87	7913	0.1161	
36 Hexane	57	10.646	10.640	0.006	88	1201	0.0145	
37 1,1-Dichloroethane	63	11.191	11.191	0.000	99	280448	3.11	
39 cis-1,2-Dichloroethene	96	12.363	12.363	0.000	91	1459135	22.9	
40 2-Butanone (MEK)	72		12.379				ND	
44 Tetrahydrofuran	42	12.850	12.839	0.011	67	7624	0.1609	
* 43 Chlorobromomethane	128	12.845	12.850	-0.005	82	468371	10.0	
45 Chloroform	83	12.952	12.957	-0.005	99	33770	0.3029	
46 Cyclohexane	84		13.256				ND	
47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	13.524	13.524	0.000	96	5206	0.0402	
51 Isooctane	57		13.909				ND	
50 Benzene	78	13.963	13.973	-0.010	48	4865	0.0278	M
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.262				ND	
* 54 1,4-Difluorobenzene	114	14.728	14.727	0.001	92	2234308	10.0	
56 Trichloroethene	95	15.193	15.198	-0.005	92	1705241	20.8	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.888				ND	
62 Dichlorobromomethane	83		16.209				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.301				ND	
66 Toluene	92	17.638	17.638	0.000	92	9266	0.0650	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166	18.681	18.681	0.000	95	3036683	20.6	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.0837	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	81	2005045	10.0	
77 Chlorobenzene	112		20.478				ND	
78 Ethylbenzene	91	20.586	20.596	-0.010	90	5293	0.0187	M
80 m-Xylene & p-Xylene	106	20.800	20.810	-0.010	99	6343	0.0524	M
83 o-Xylene	106	21.522	21.527	-0.005	96	3869	0.0313	
84 Styrene	104		21.564				ND	
85 Bromoform	173		21.949				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.436	-0.010	97	1251956	NC	
88 1,1,2,2-Tetrachloroethane	83		22.666				ND	
90 N-Propylbenzene	91		22.741				ND	
91 4-Ethyltoluene	105	22.897	22.907	-0.010	20	2573	0.007652	7
92 2-Chlorotoluene	91		22.945				ND	
94 1,3,5-Trimethylbenzene	105	22.988	22.998	-0.010	19	2507	0.008731	7
96 tert-Butylbenzene	119		23.474				ND	
97 1,2,4-Trimethylbenzene	105	23.549	23.565	-0.016	95	10187	0.0353	
98 sec-Butylbenzene	105		23.806				ND	
99 4-Isopropyltoluene	119		24.009				ND	
100 1,3-Dichlorobenzene	146		24.079				ND	
101 1,4-Dichlorobenzene	146		24.223				ND	
102 Benzyl chloride	91		24.432				ND	
103 n-Butylbenzene	91		24.640				ND	
105 1,2-Dichlorobenzene	146		24.828				ND	
107 1,2,4-Trichlorobenzene	180		27.706				ND	
108 Hexachlorobutadiene	225		27.904				ND	
109 Naphthalene	128		28.289				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Reagents:

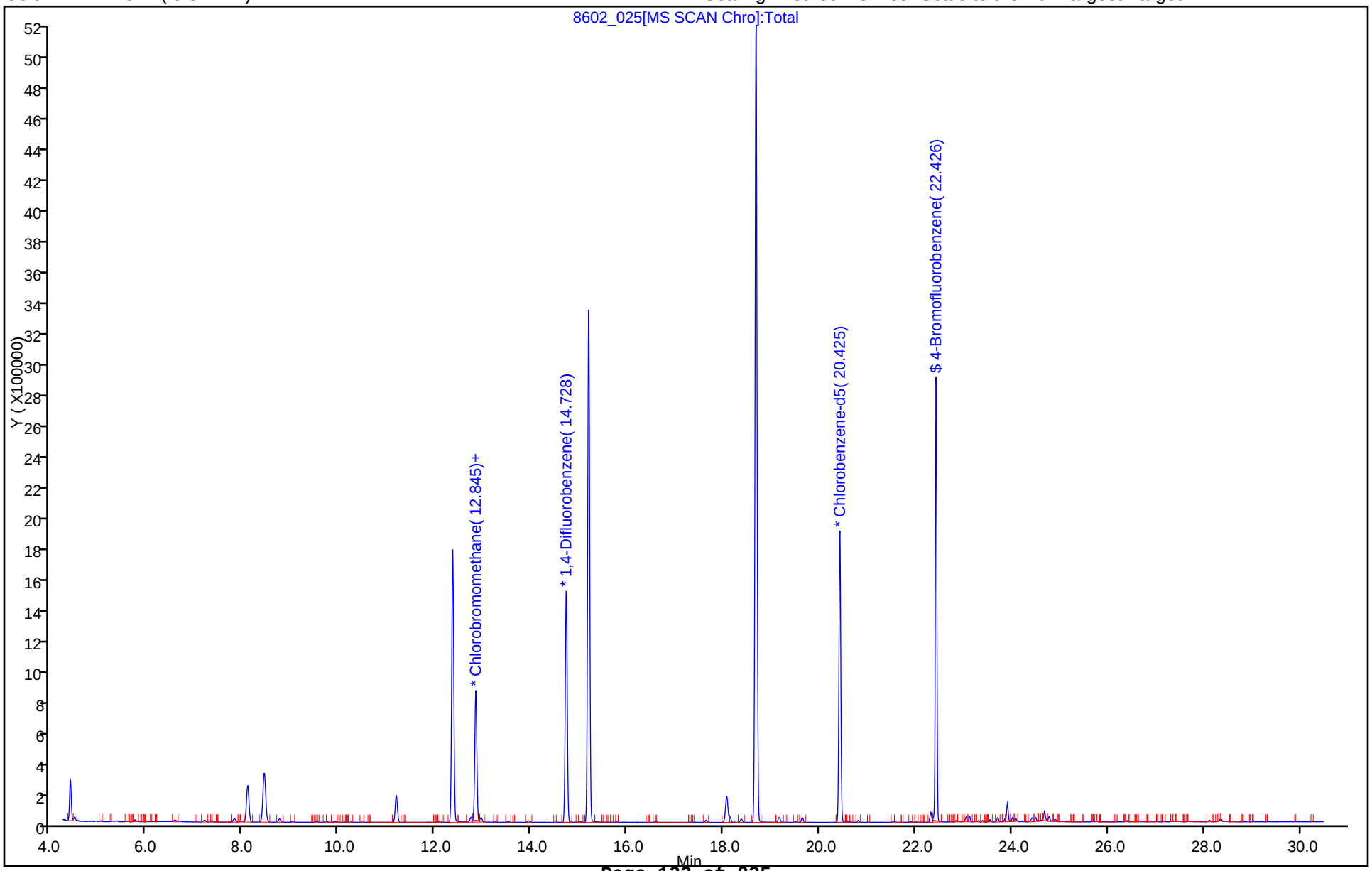
ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 18-Jul-2014 10:22:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_025.d				
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1	Worklist Smp#:	25
Client ID:	GCTS PRE CARBON				
Purge Vol:	200.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



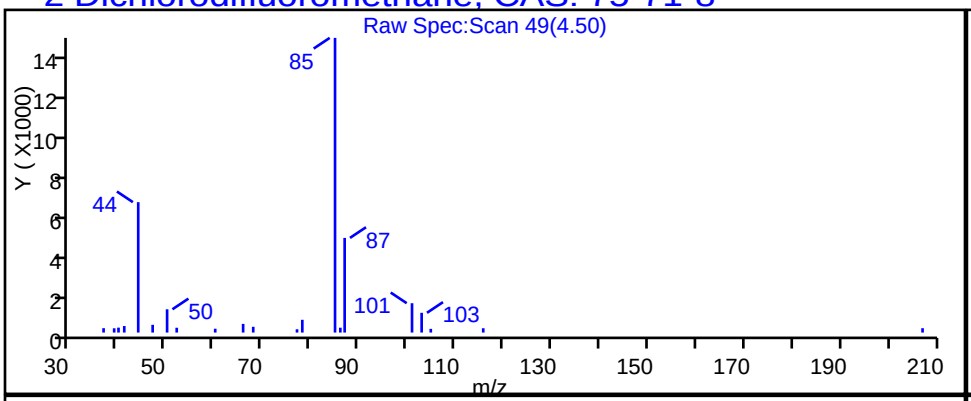
Report Date: 18-Jul-2014 10:22:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

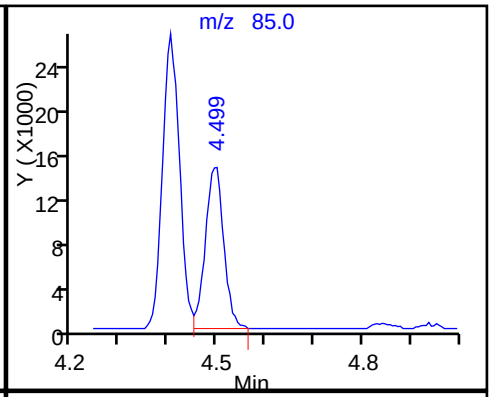
TestAmerica Burlington

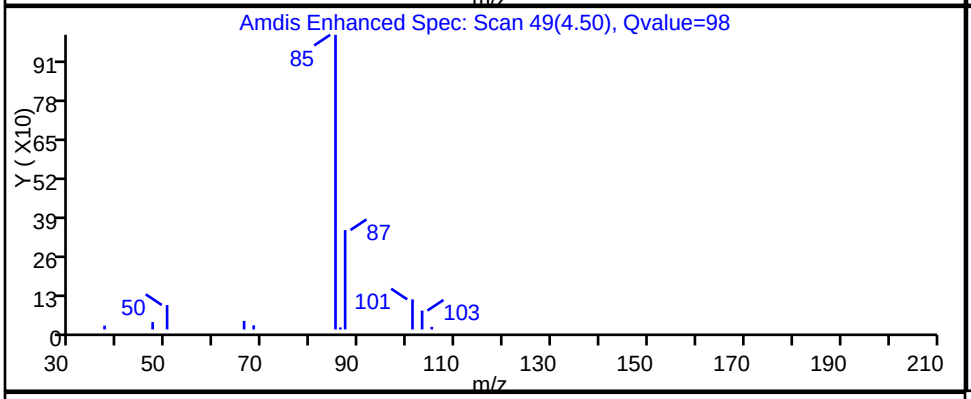
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_025.d

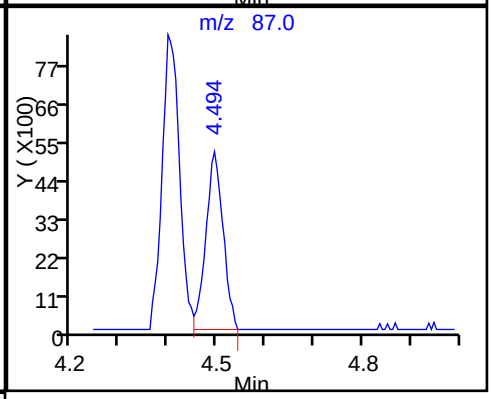
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

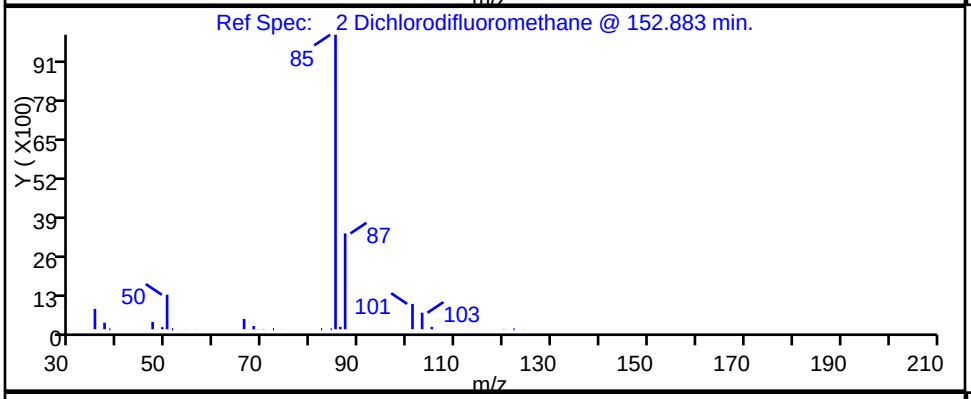
2 Dichlorodifluoromethane, CAS: 75-71-8

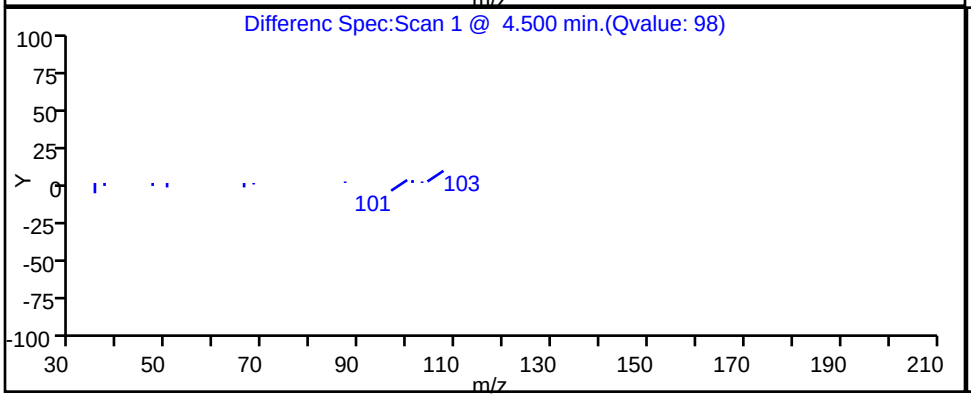


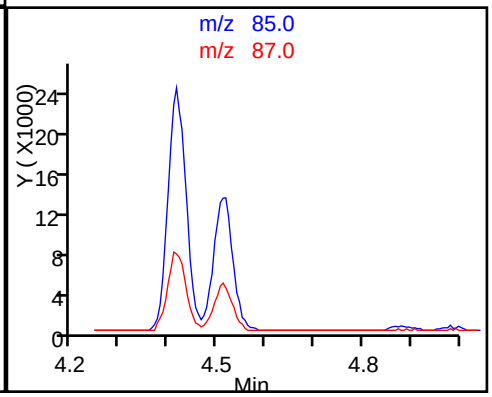












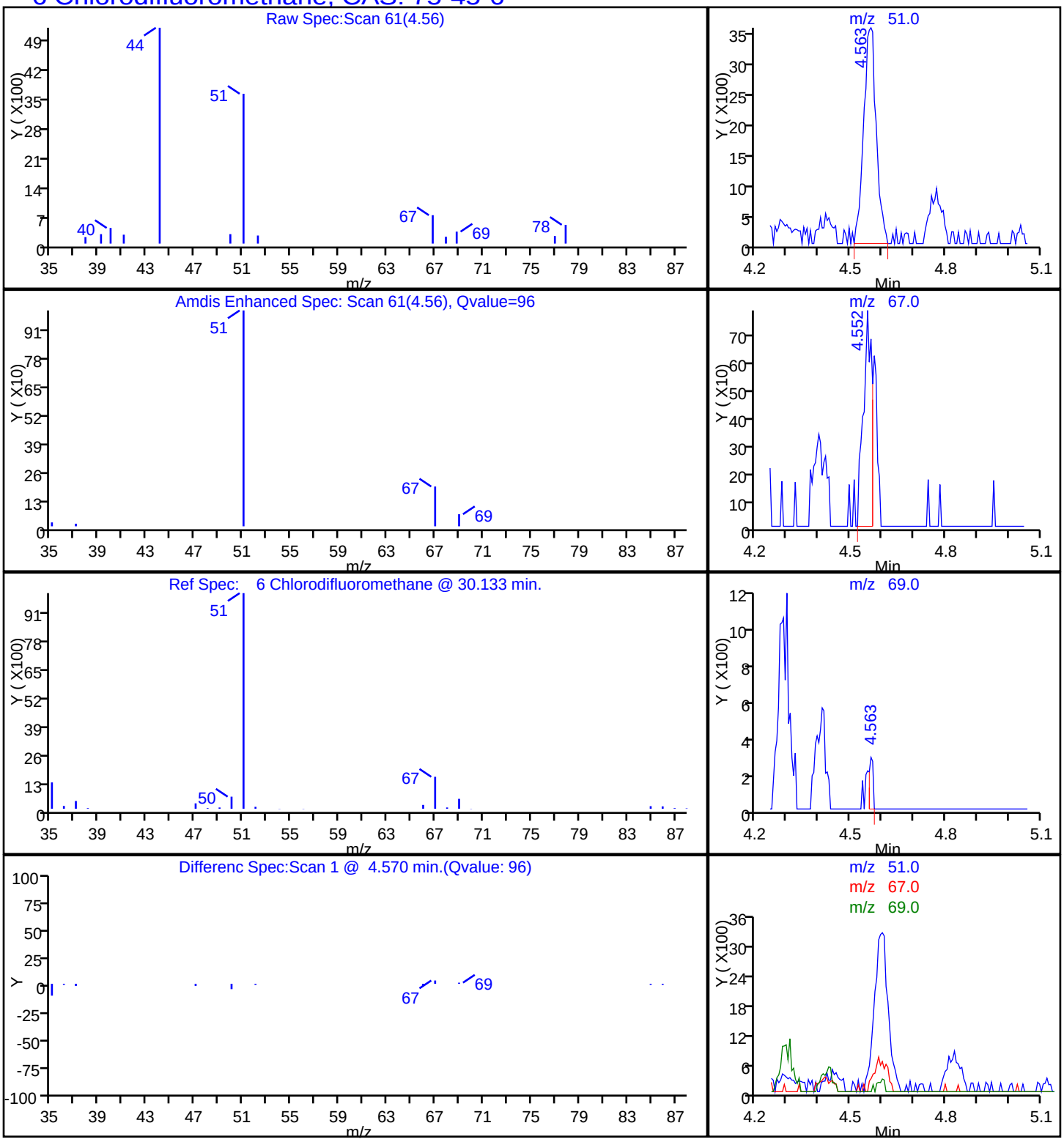
Report Date: 18-Jul-2014 10:22:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_025.d

Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



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TestAmerica Burlington

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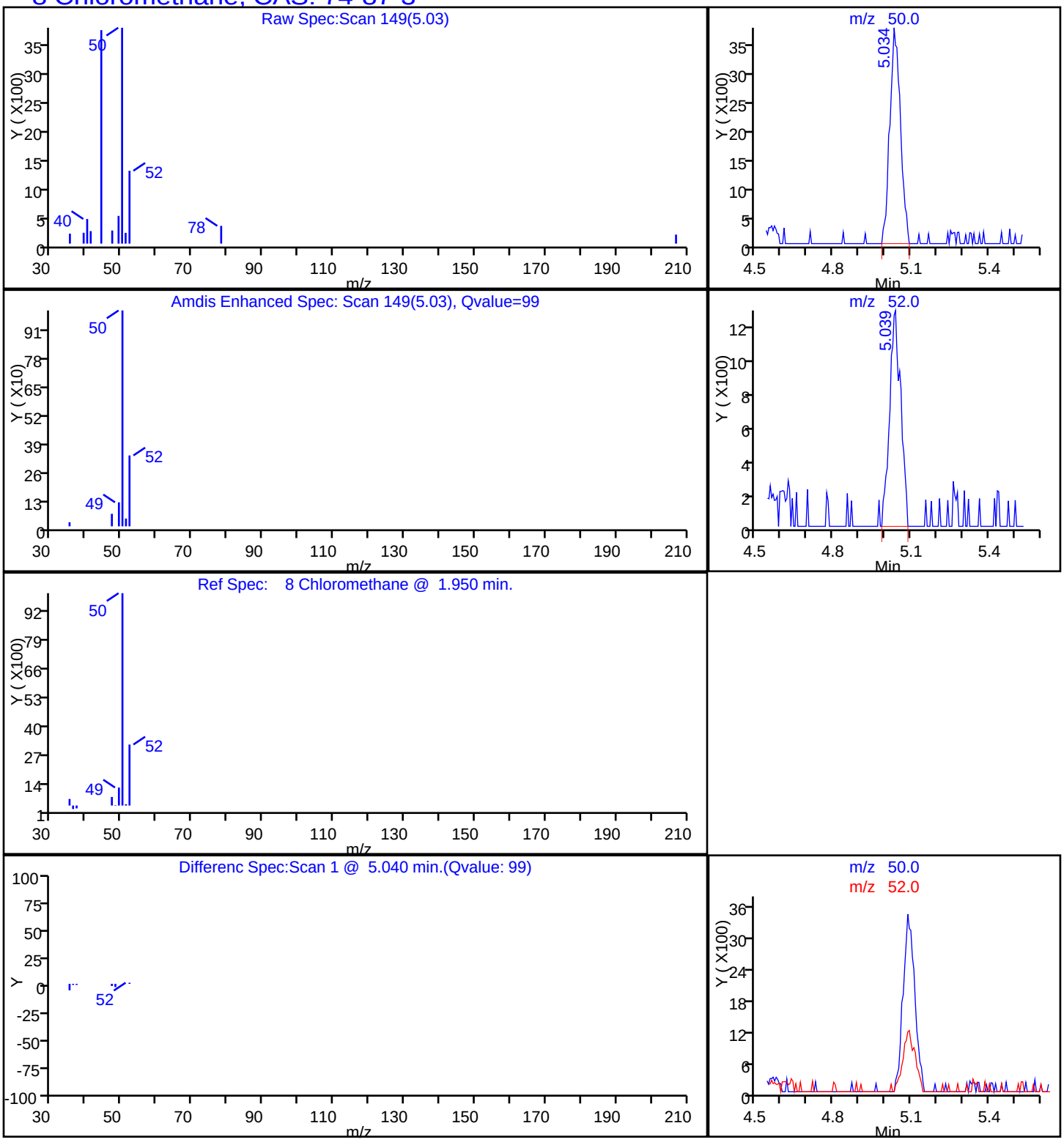
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3



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TestAmerica Burlington

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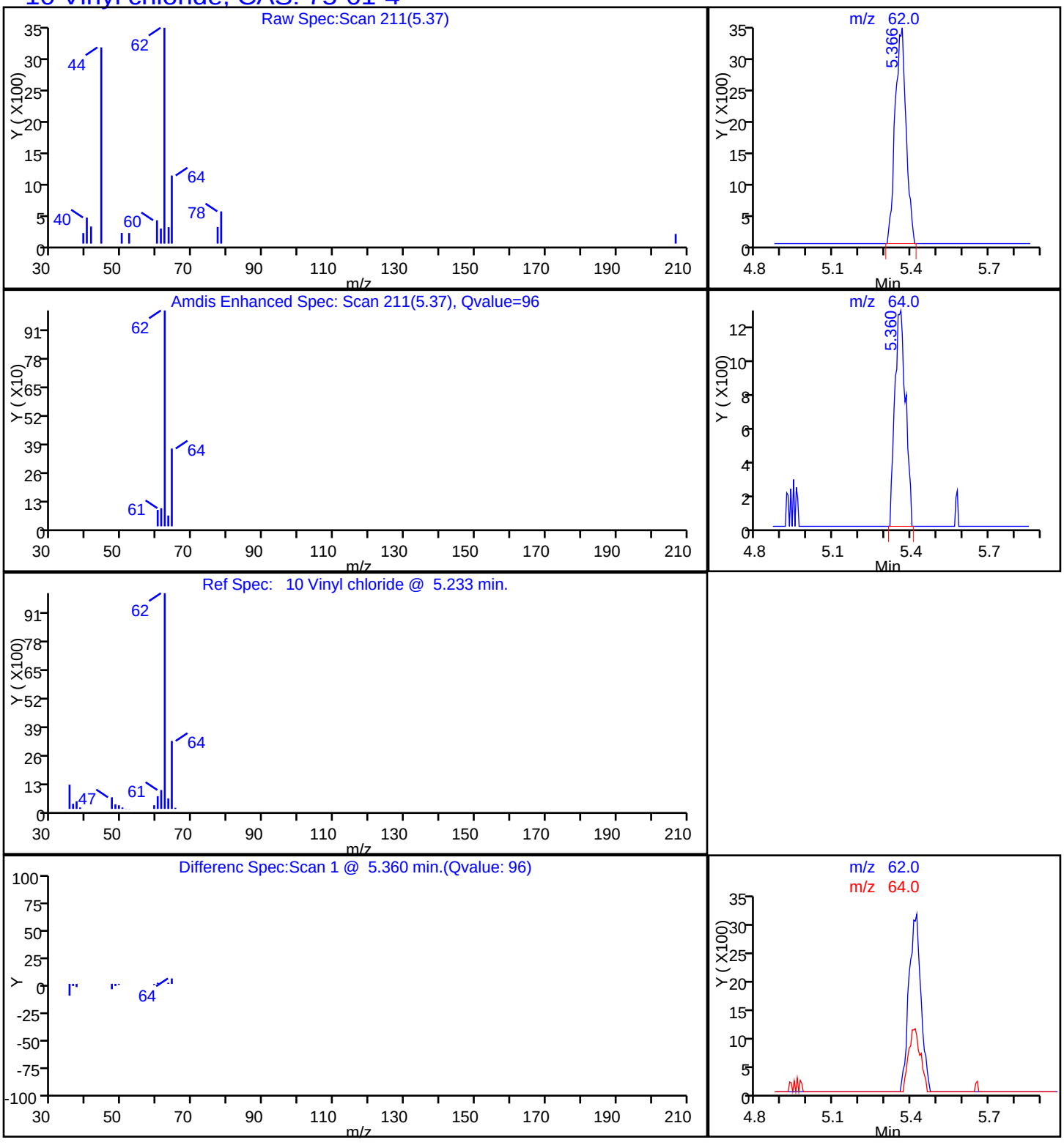
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

10 Vinyl chloride, CAS: 75-01-4



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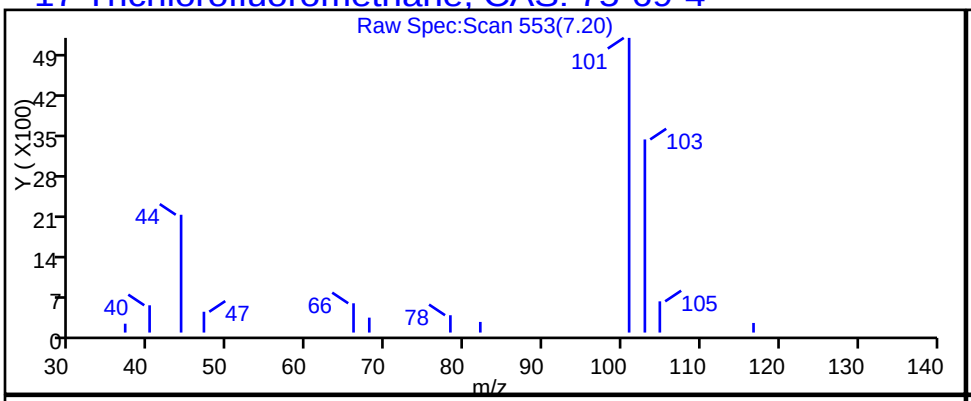
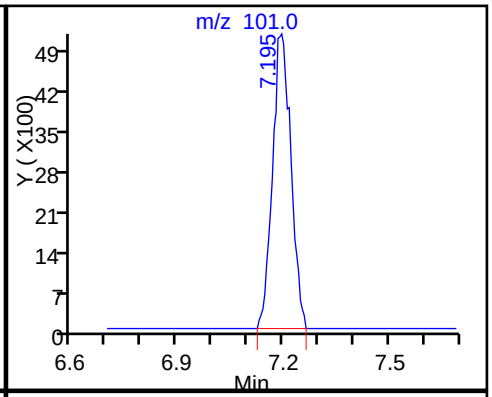
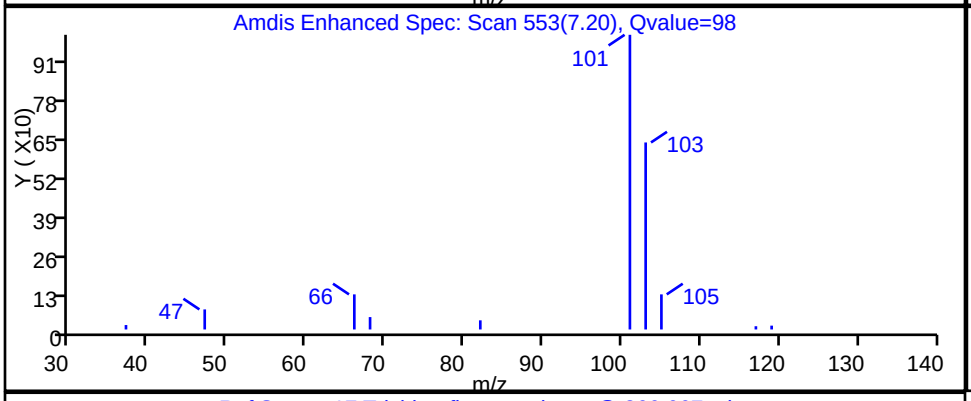
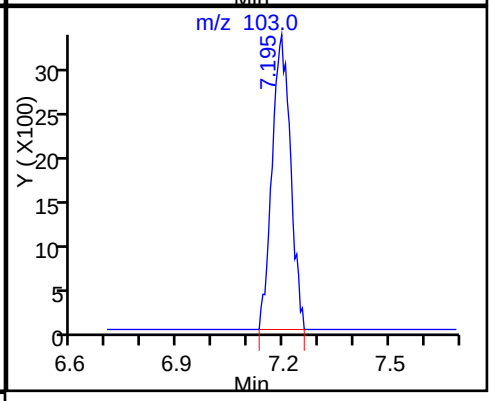
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

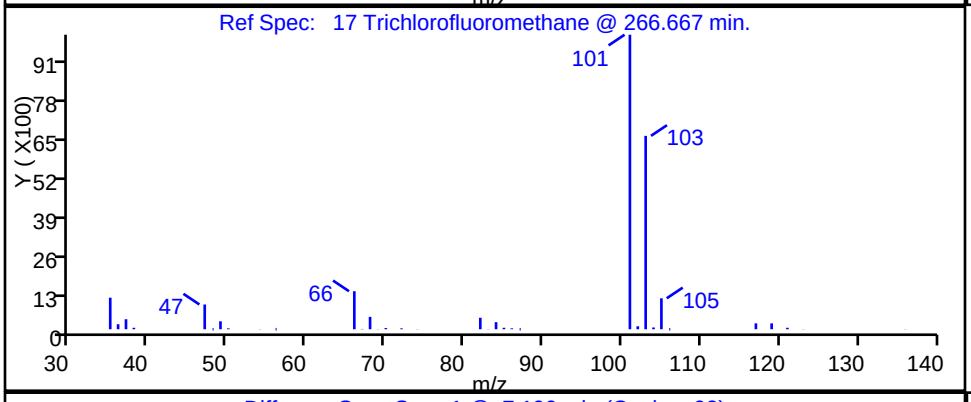
17 Trichlorofluoromethane, CAS: 75-69-4

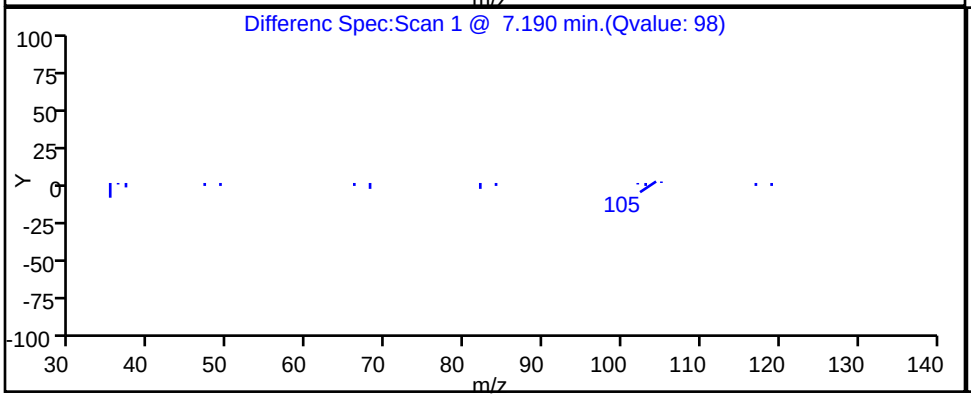


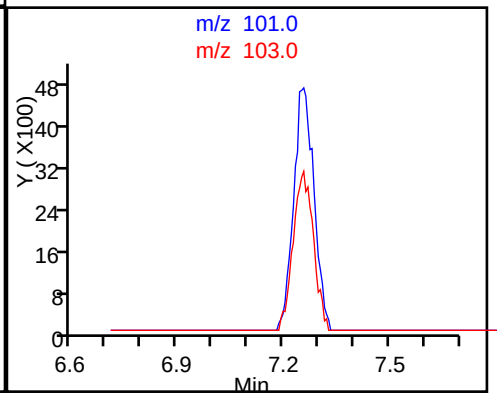












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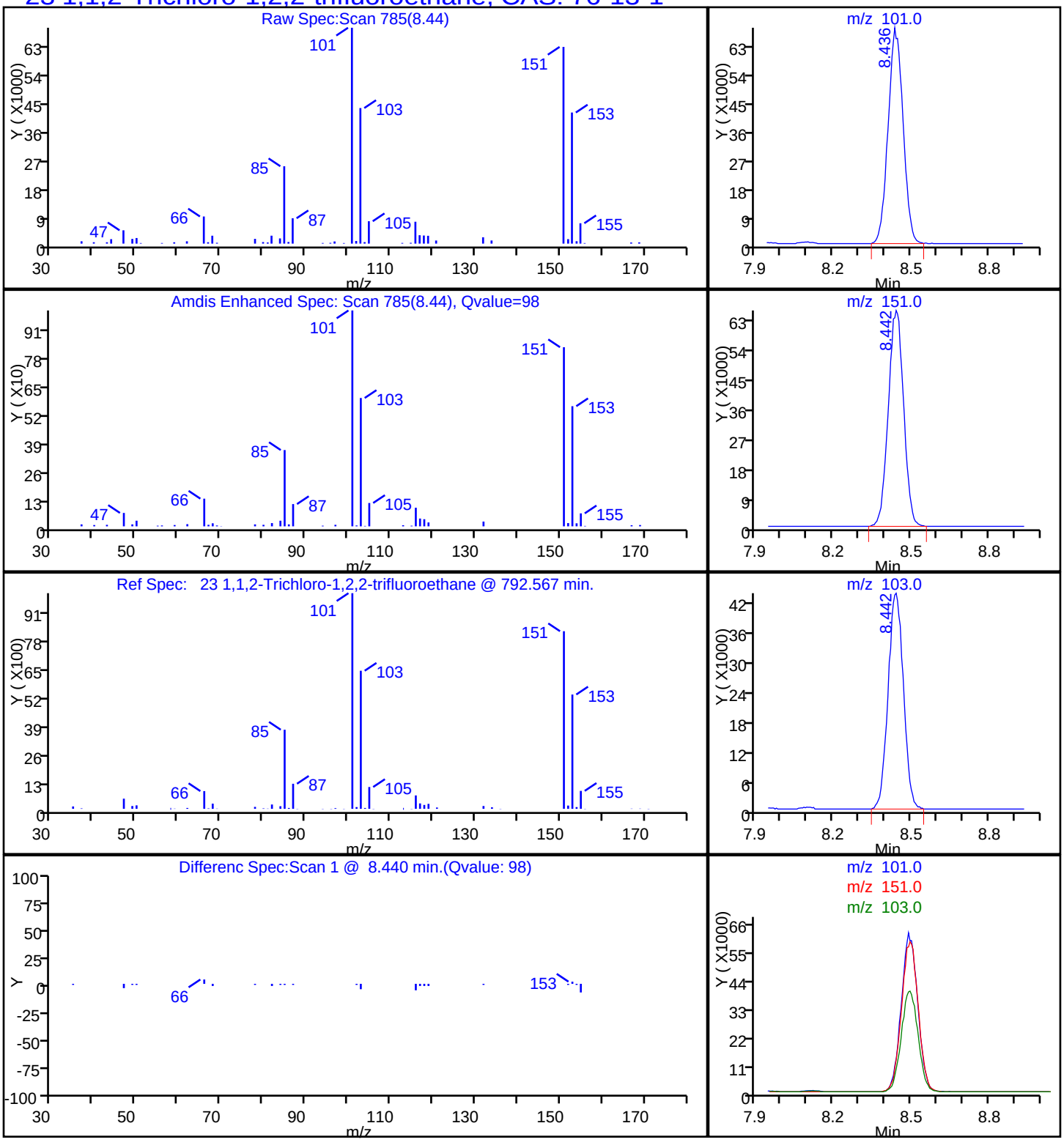
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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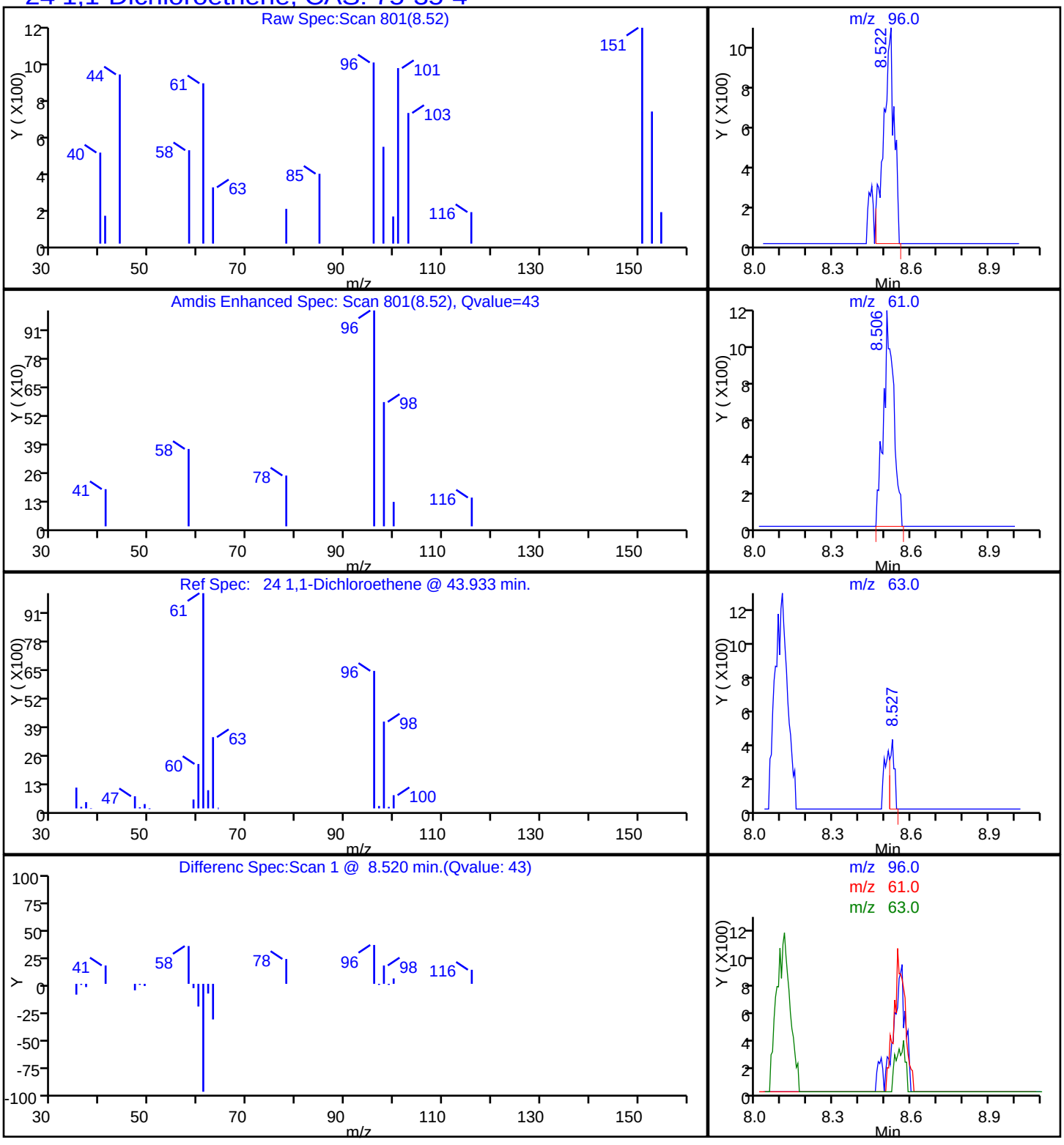
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 1,1-Dichloroethene, CAS: 75-35-4



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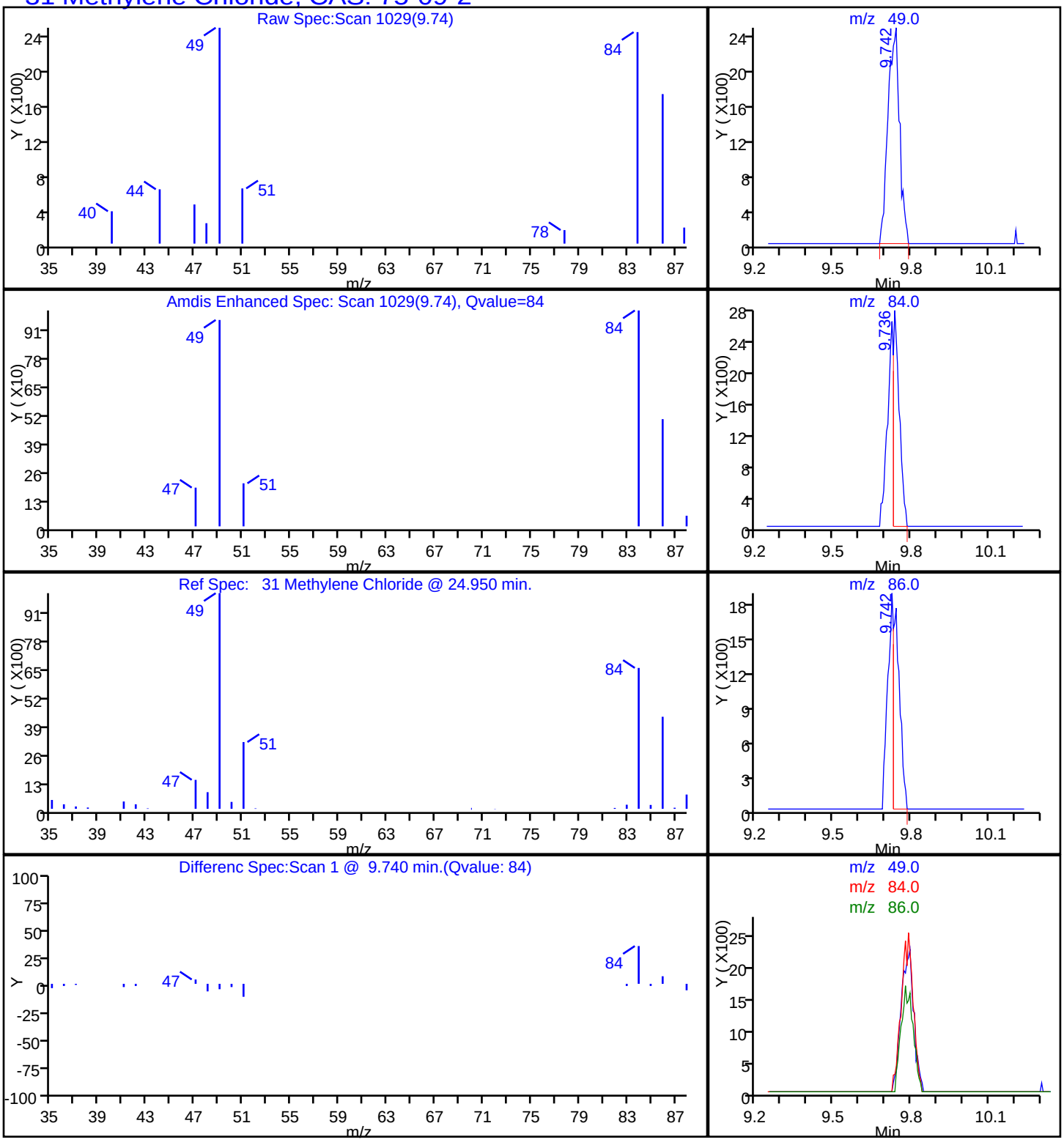
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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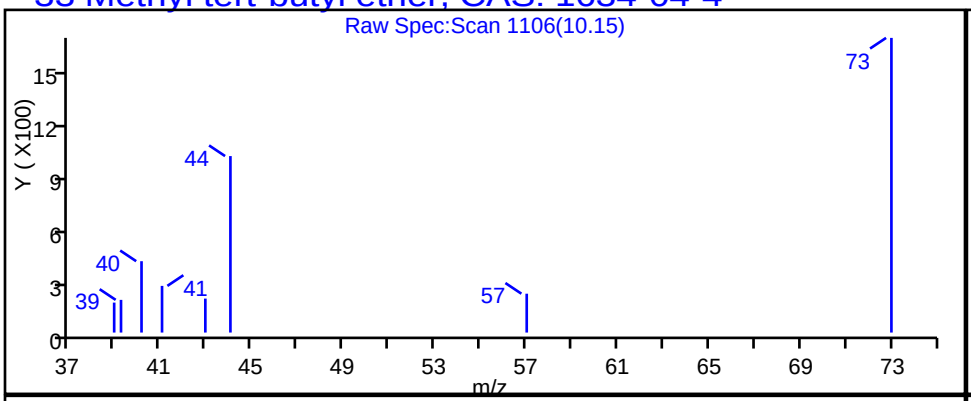
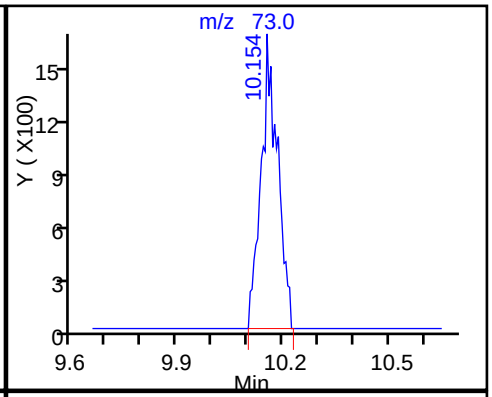
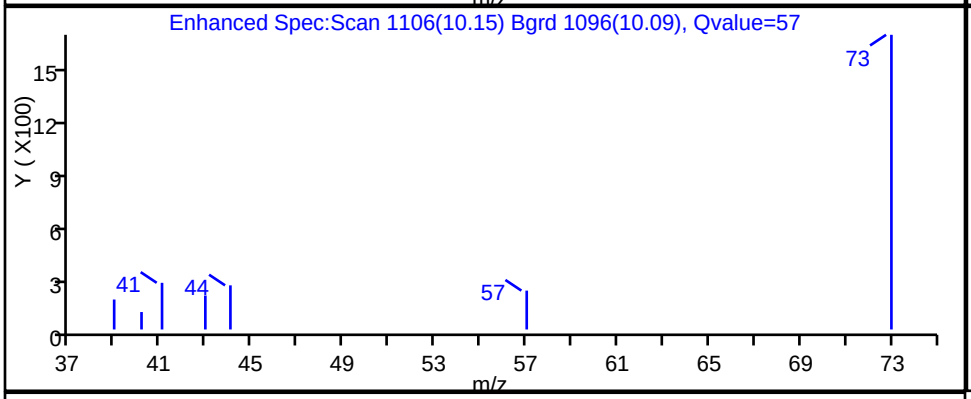
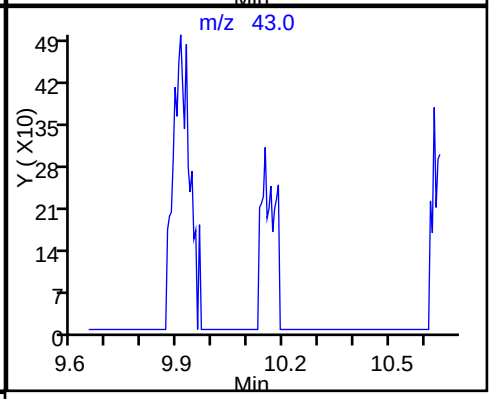
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

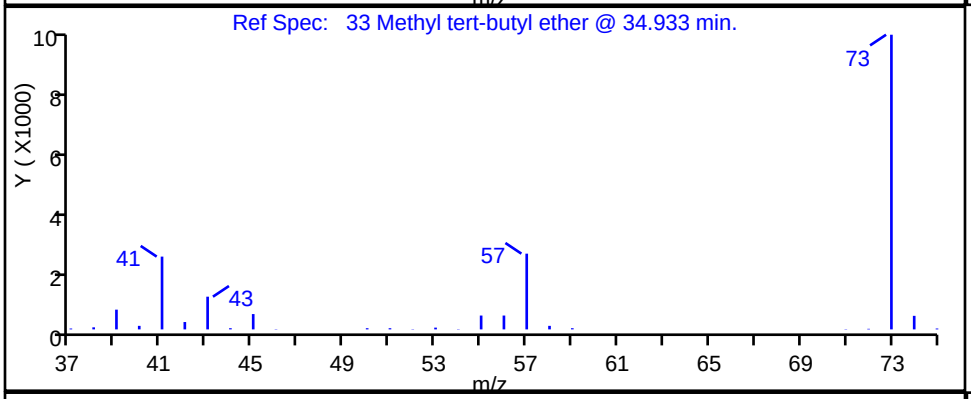
33 Methyl tert-butyl ether, CAS: 1634-04-4

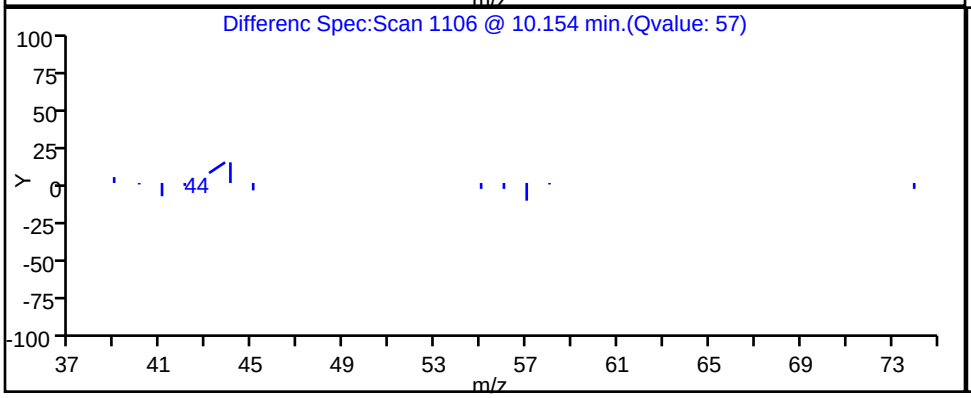


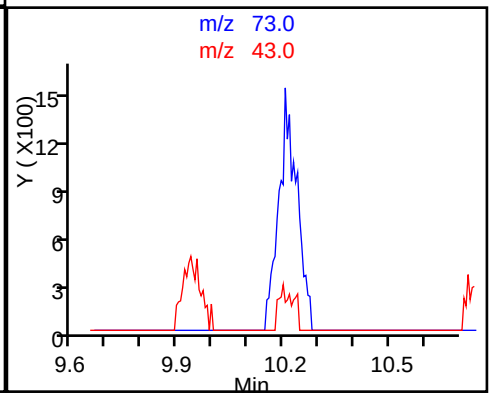












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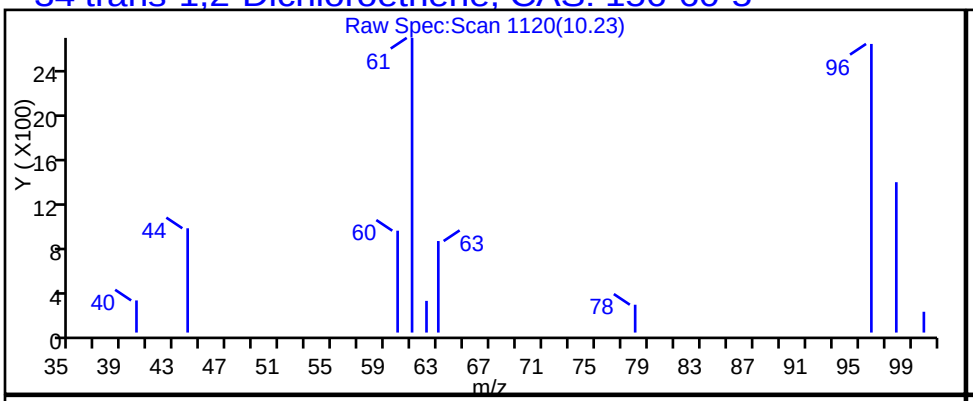
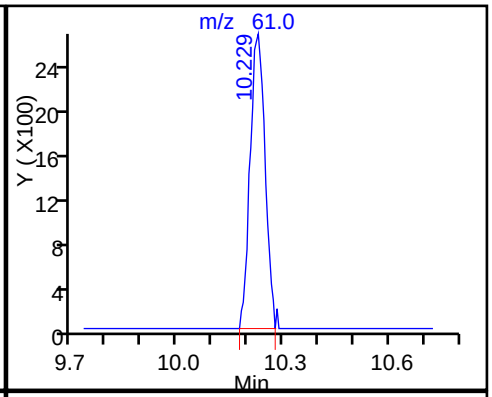
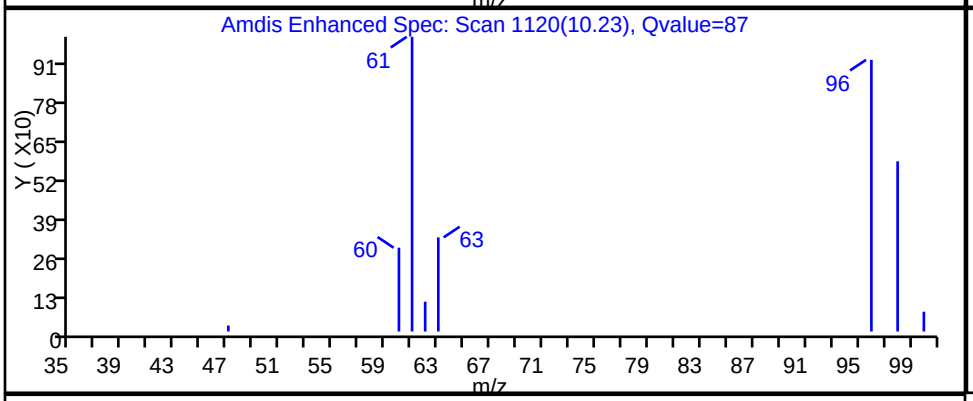
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_025.d

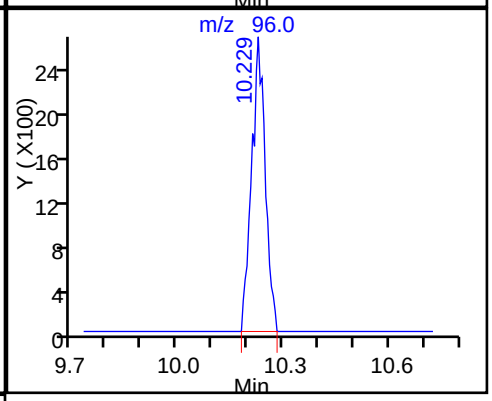
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

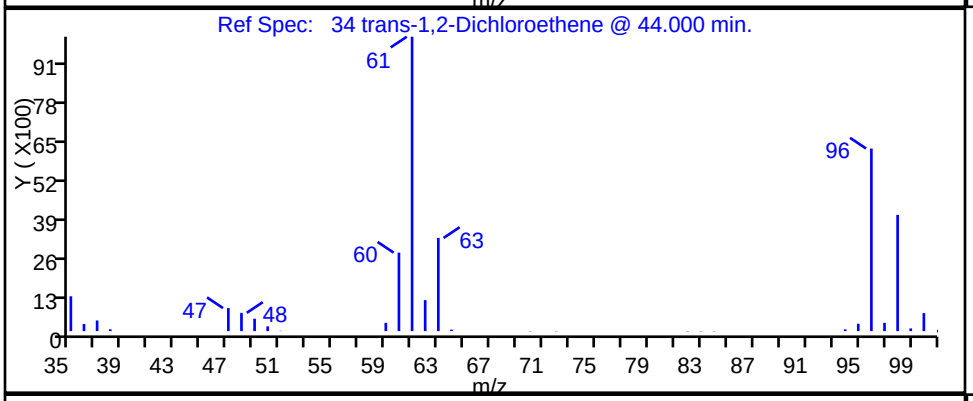
34 trans-1,2-Dichloroethene, CAS: 156-60-5

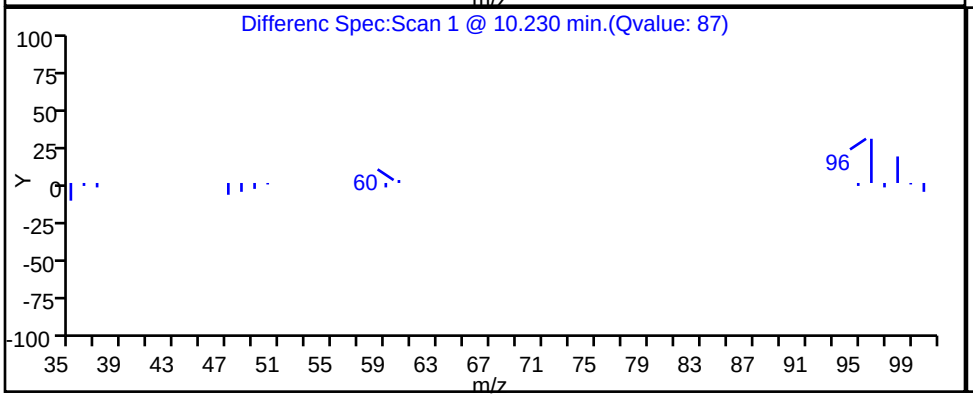


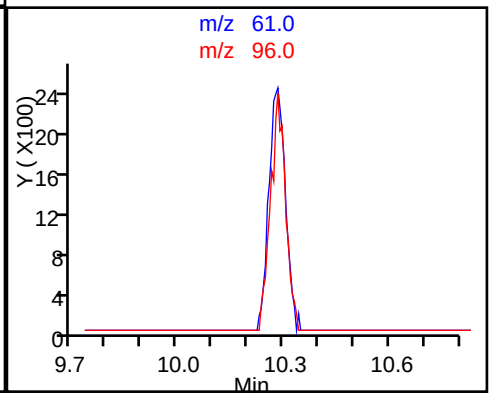












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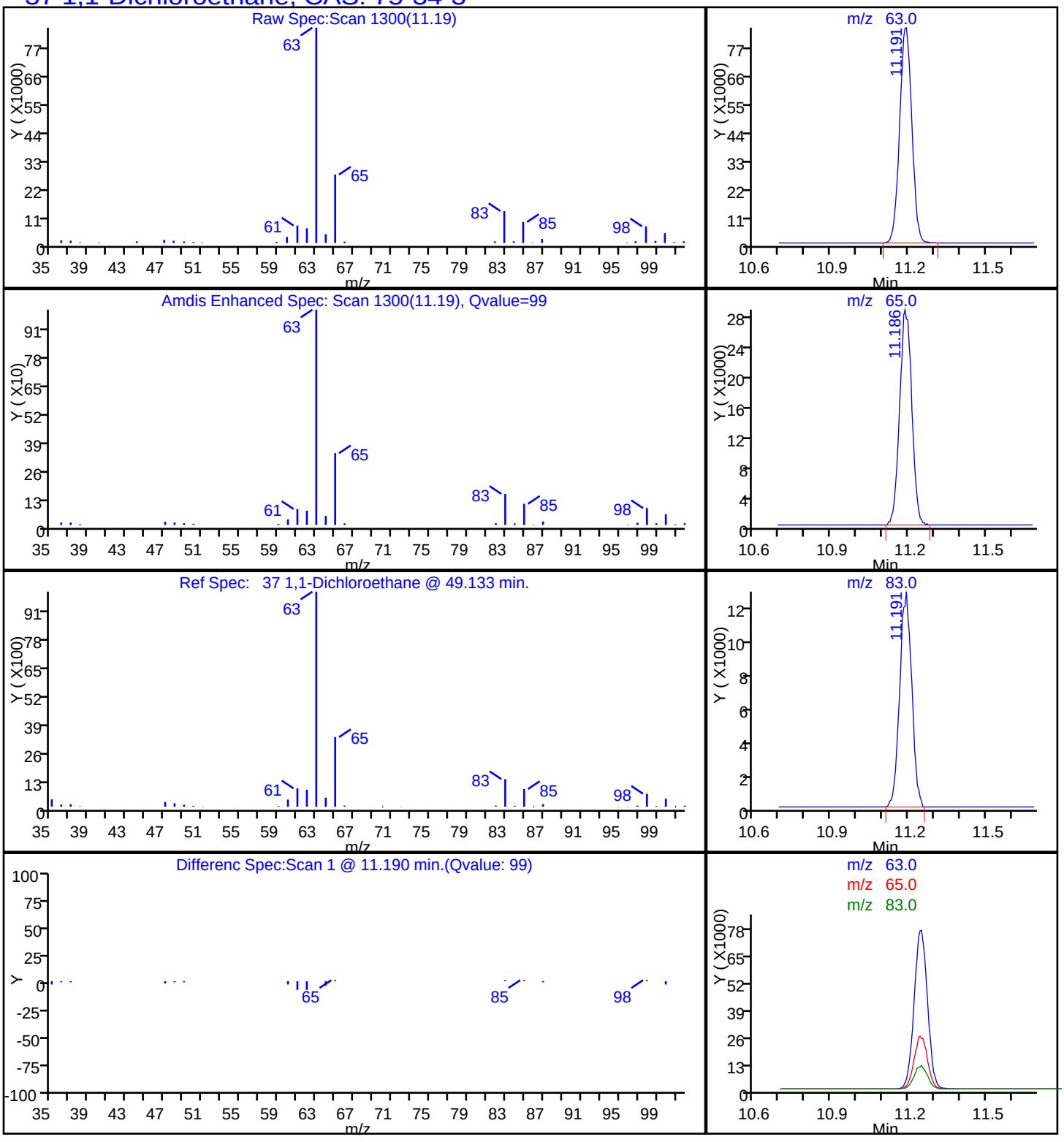
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



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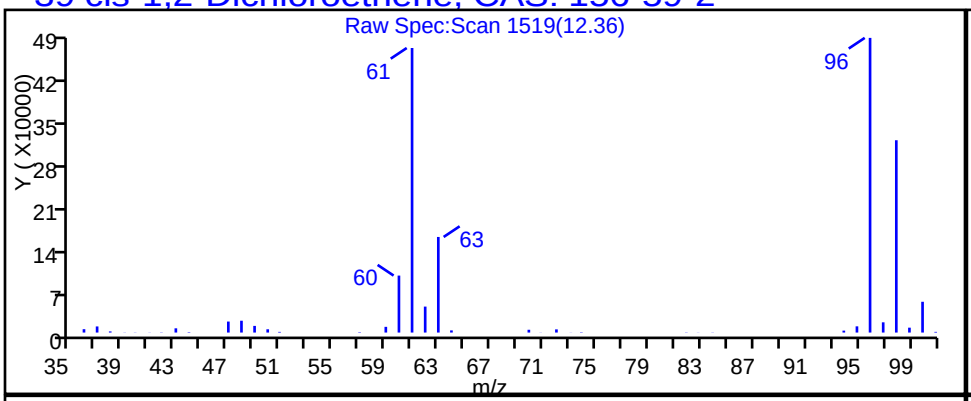
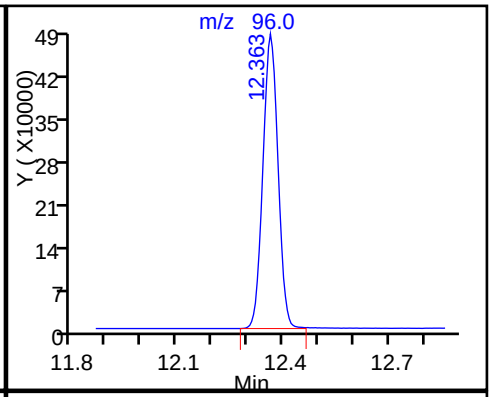
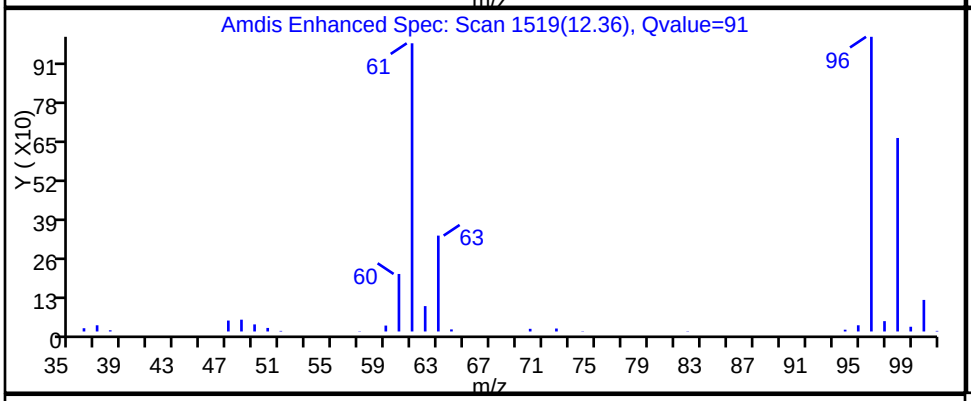
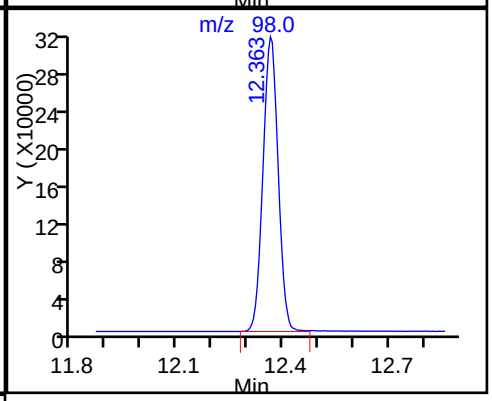
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

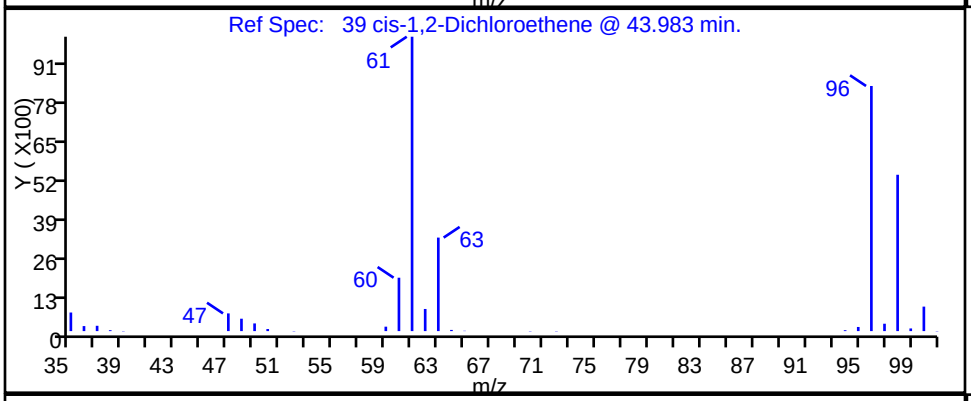
39 cis-1,2-Dichloroethene, CAS: 156-59-2

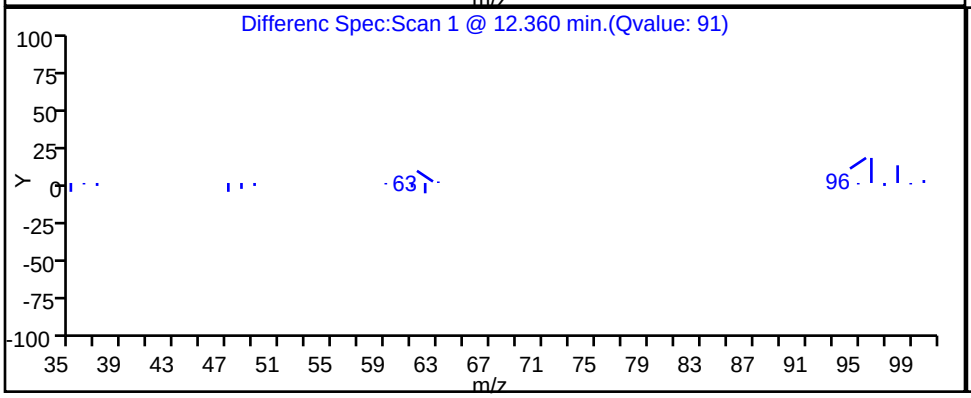


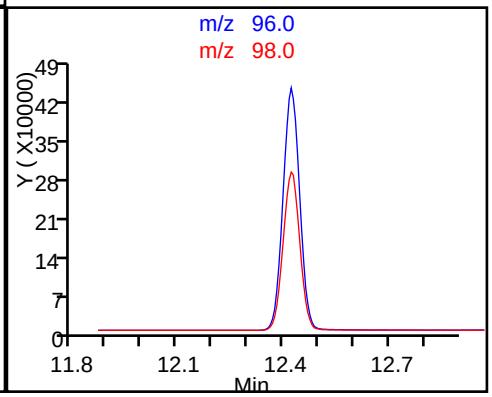












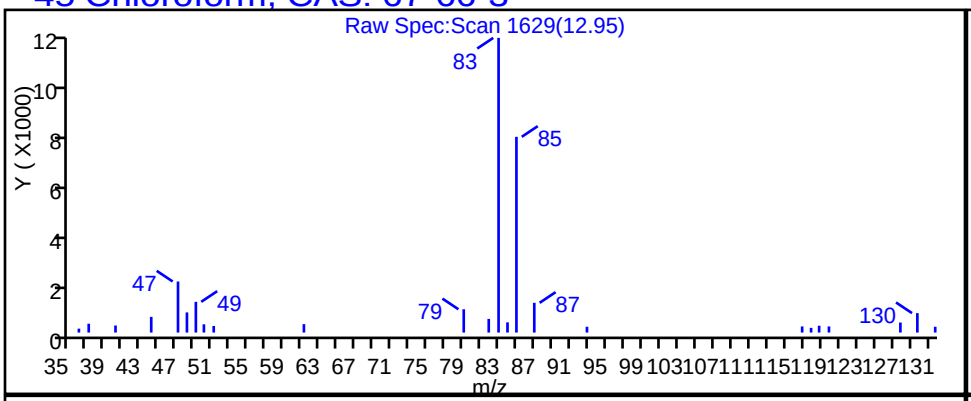
Report Date: 18-Jul-2014 10:22:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

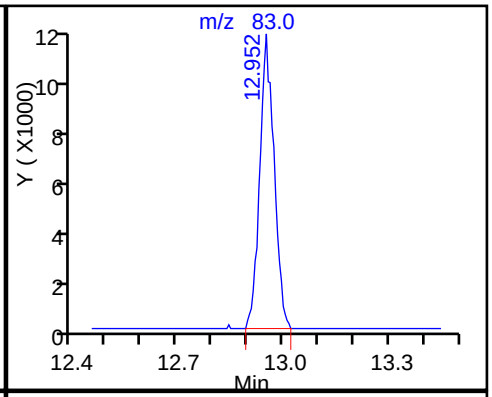
TestAmerica Burlington

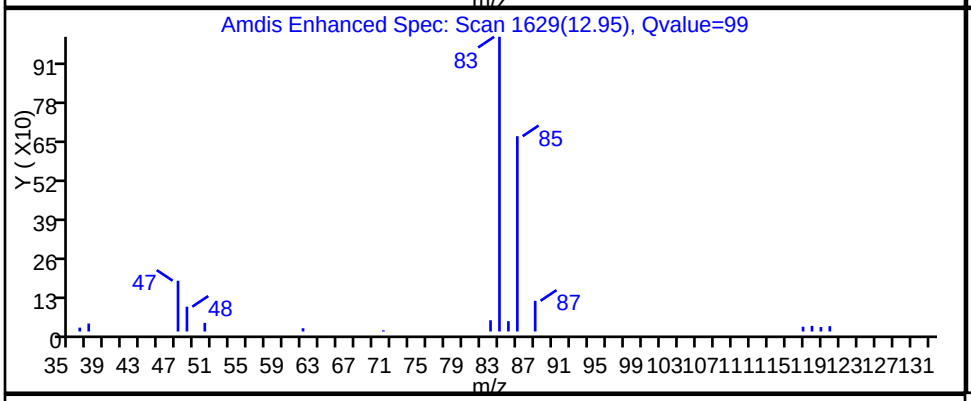
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_025.d

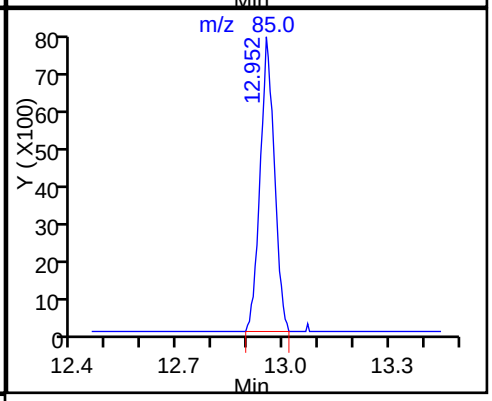
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1
Client ID:	GCTS PRE CARBON		
Operator ID:	bl	ALS Bottle#:	8 Worklist Smp#: 25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

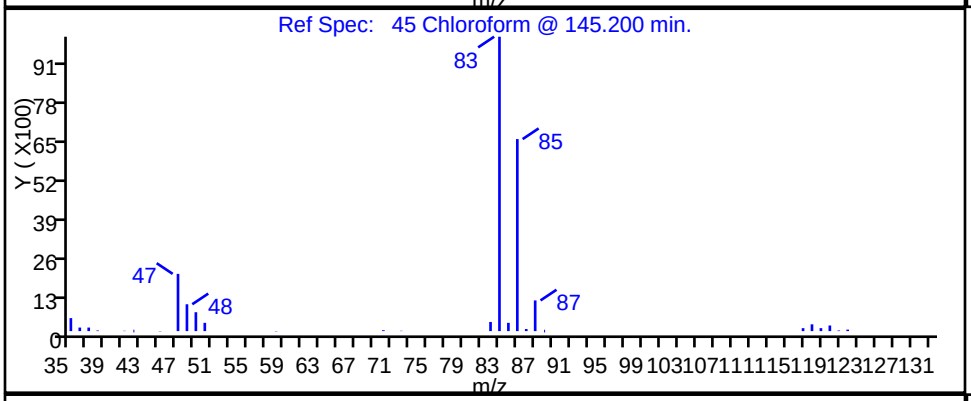
45 Chloroform, CAS: 67-66-3

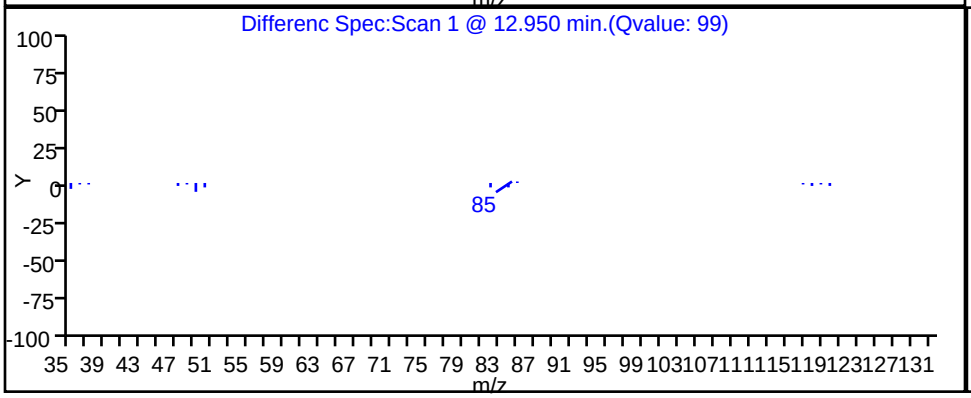


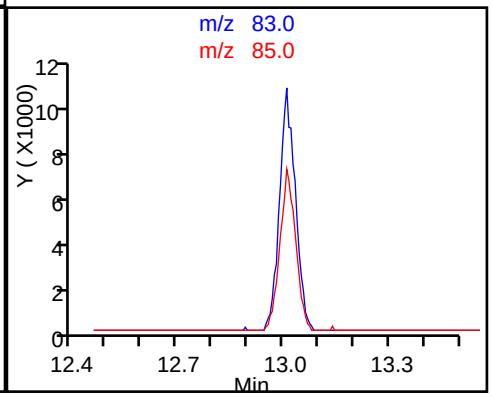












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TestAmerica Burlington

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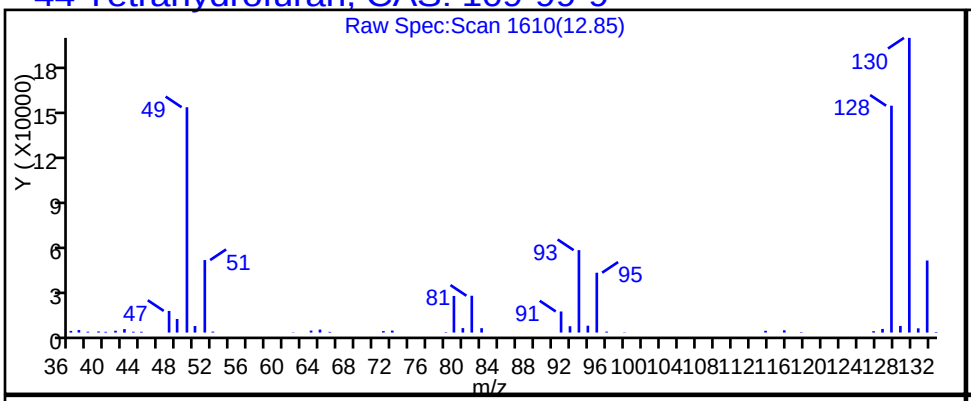
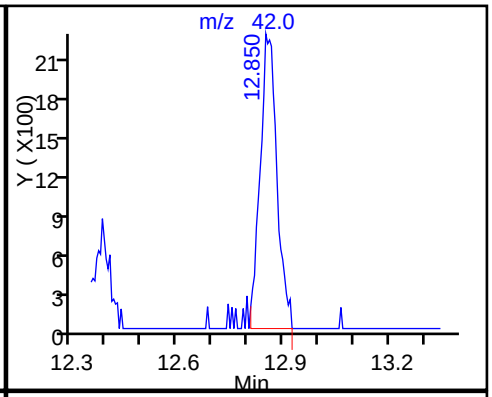
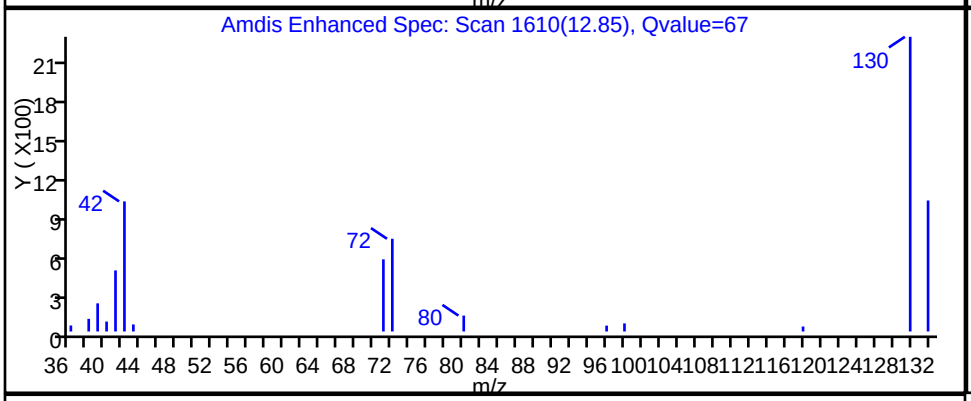
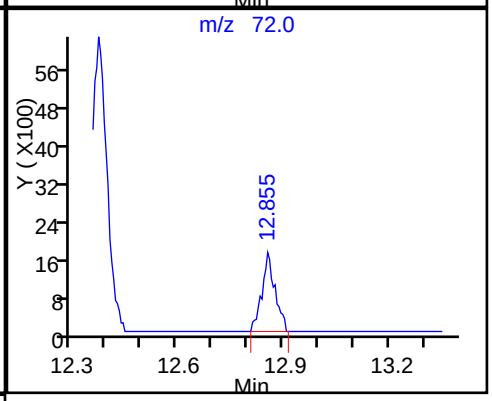
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

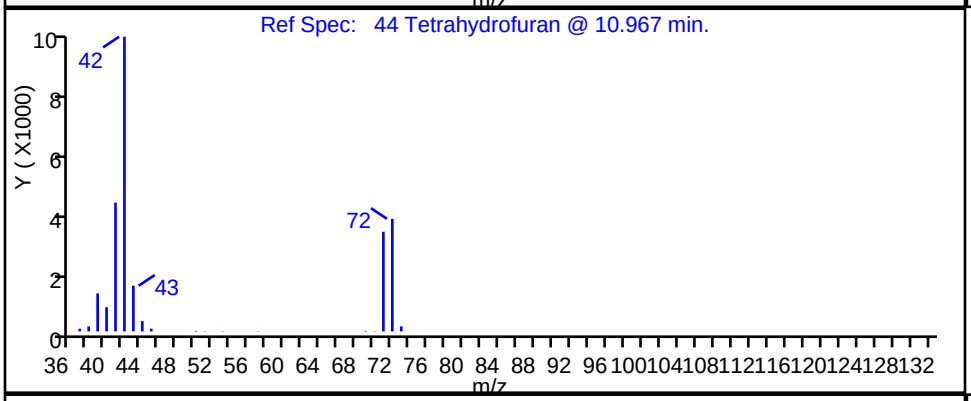
44 Tetrahydrofuran, CAS: 109-99-9

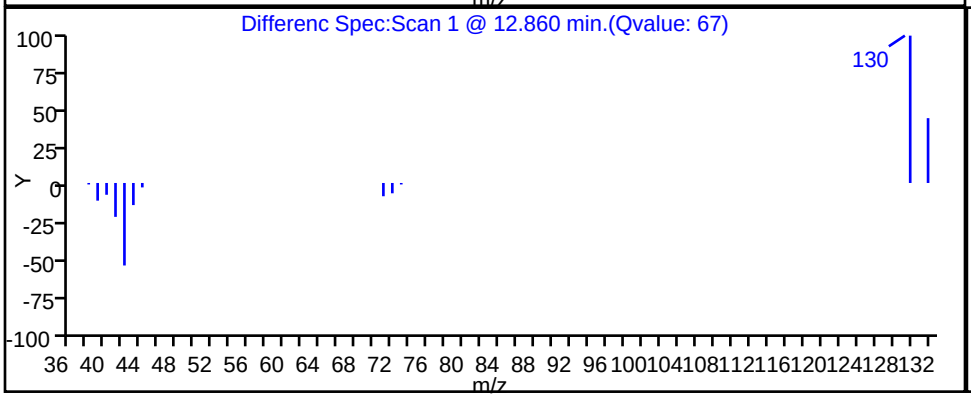


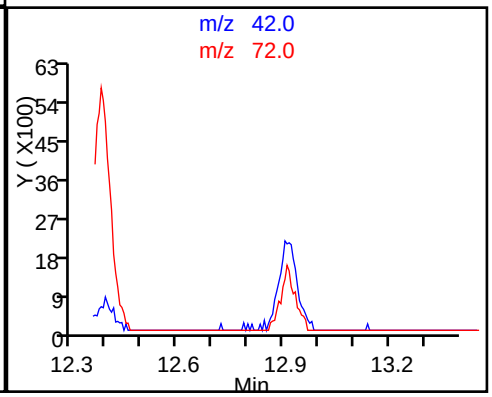












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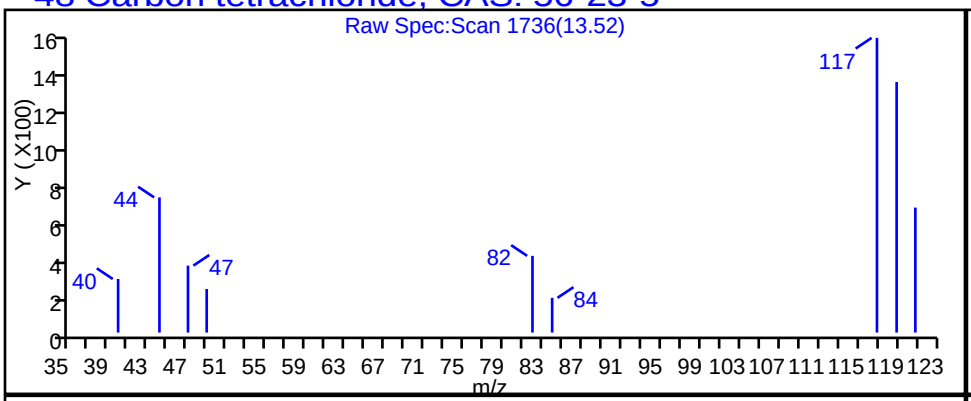
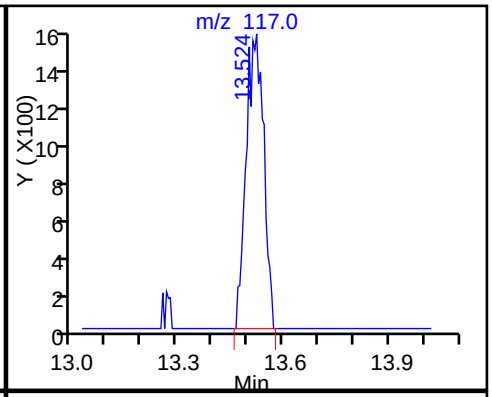
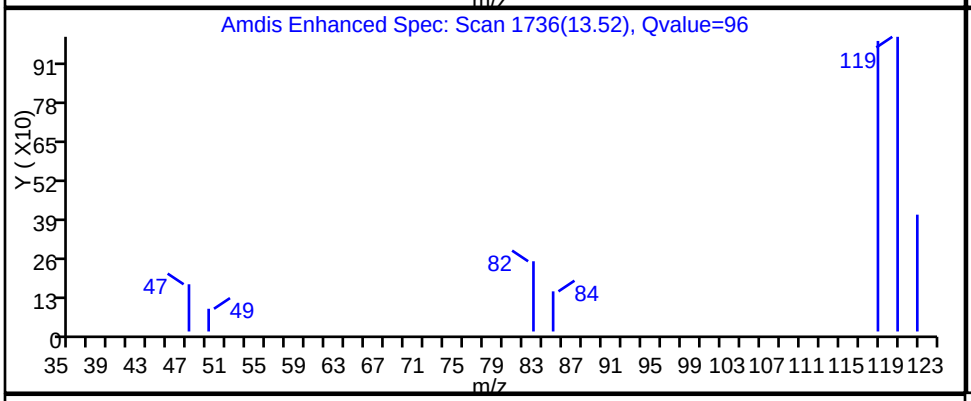
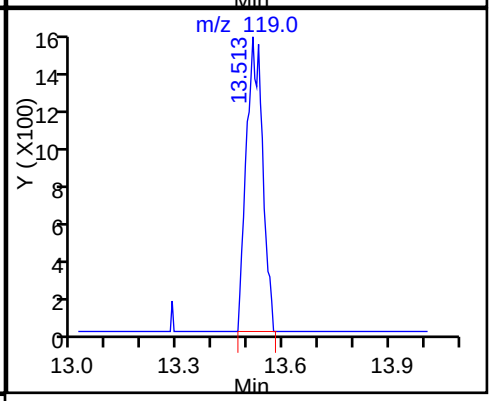
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

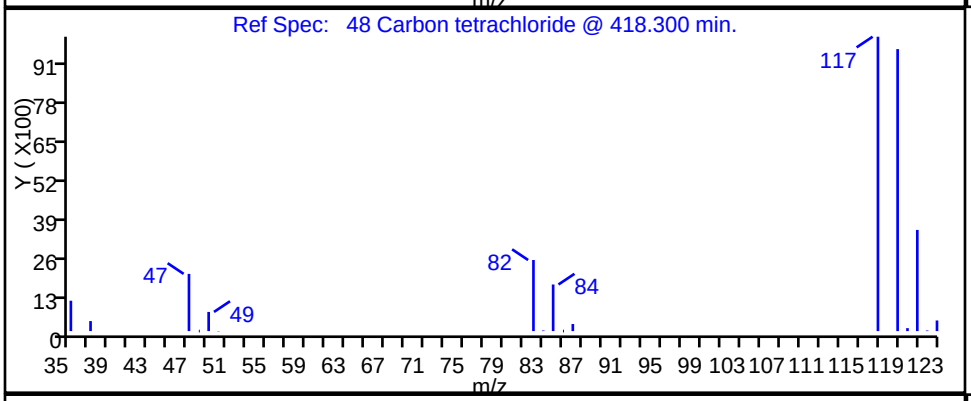
48 Carbon tetrachloride, CAS: 56-23-5

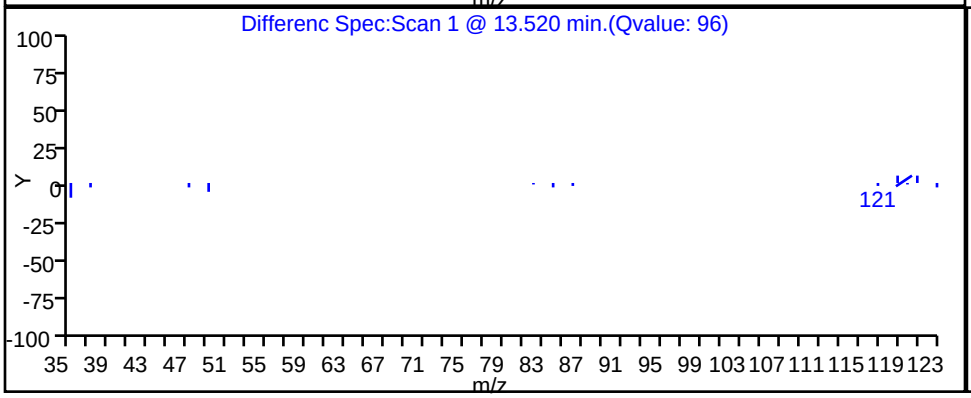


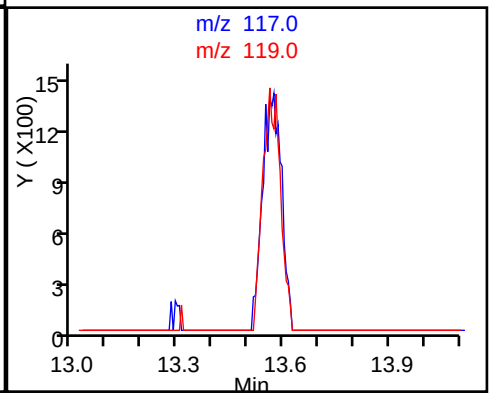












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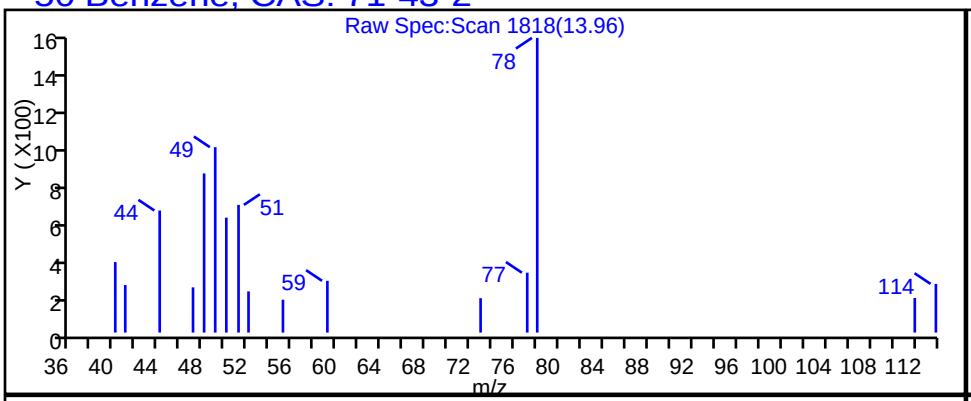
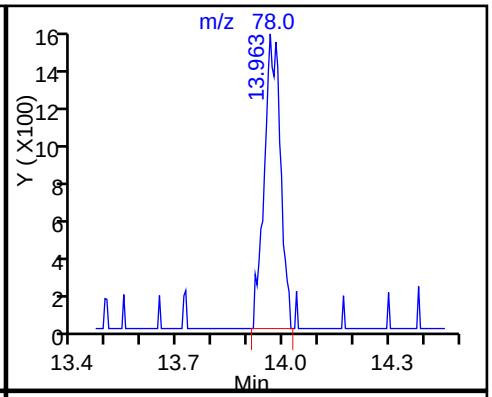
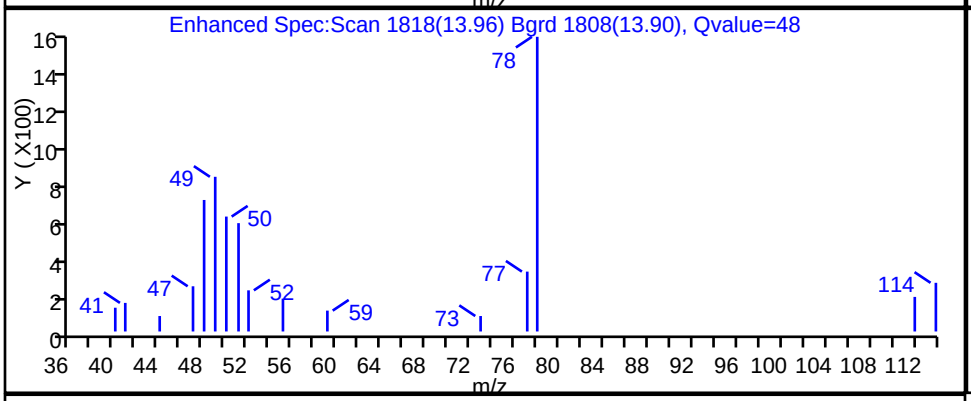
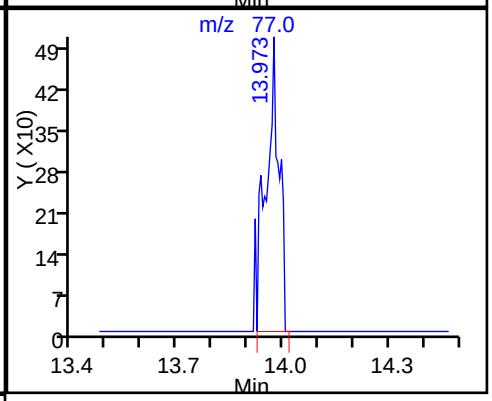
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

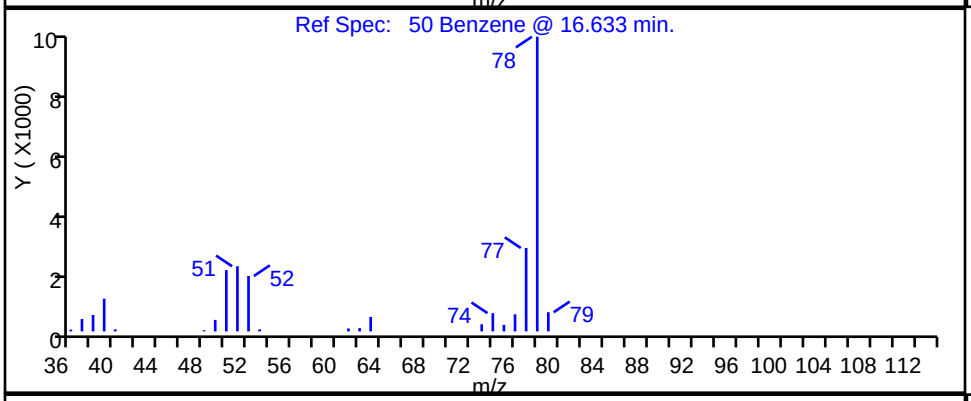
50 Benzene, CAS: 71-43-2

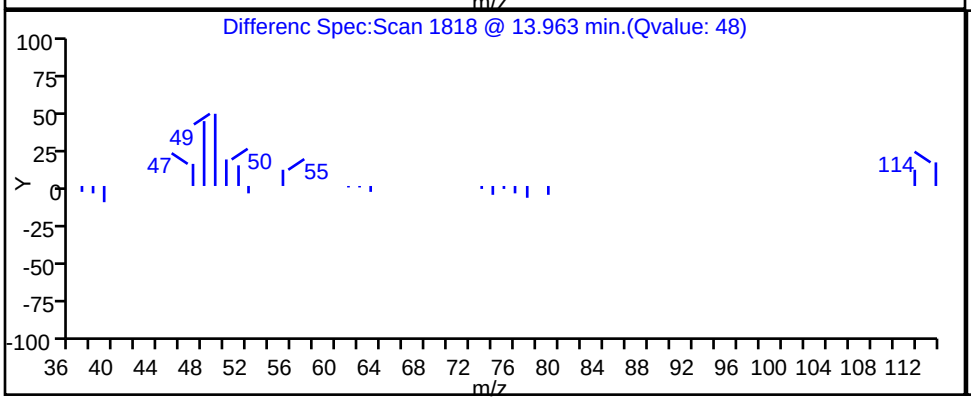


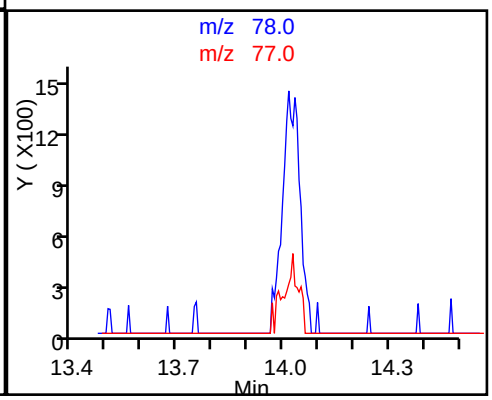












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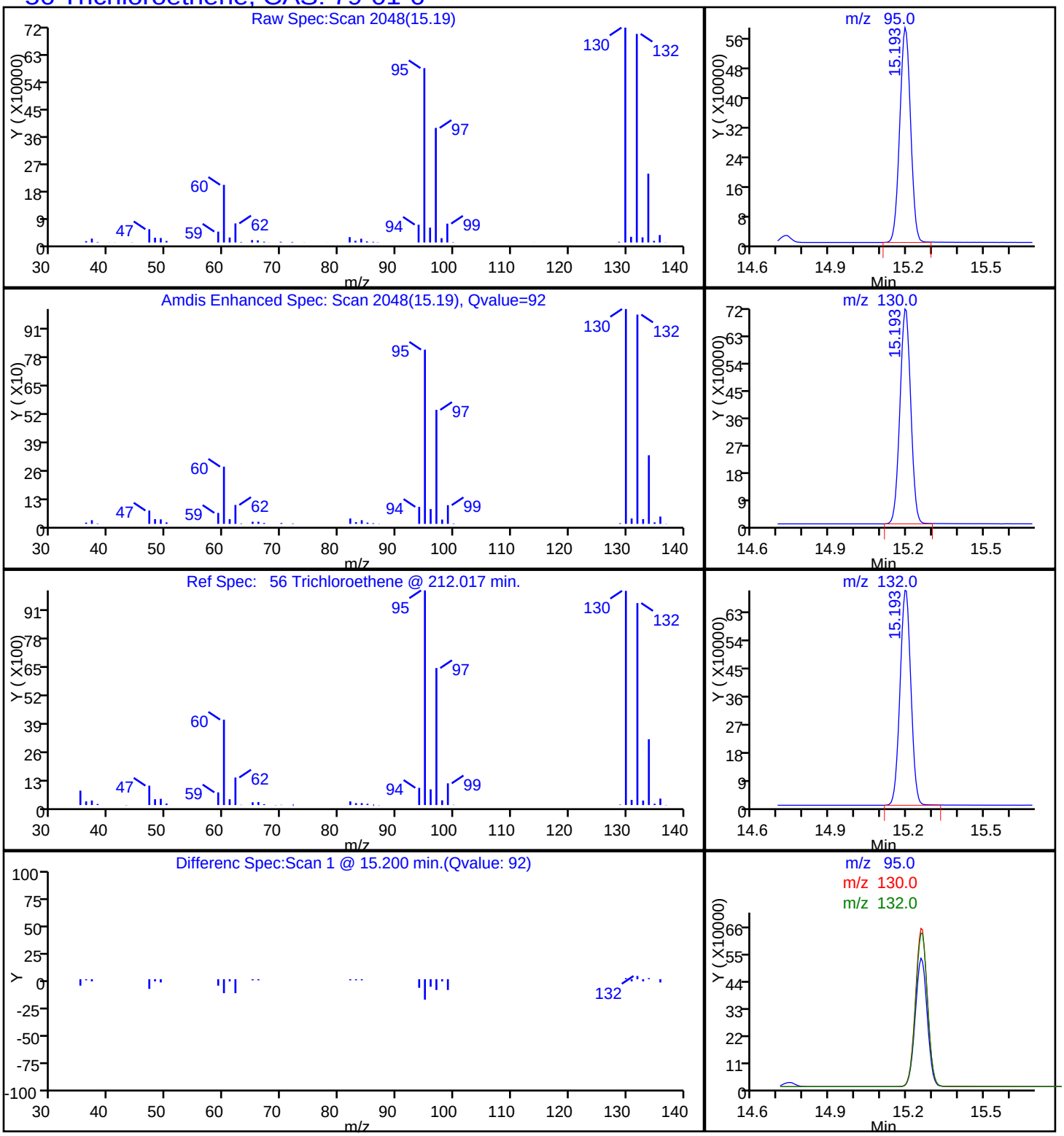
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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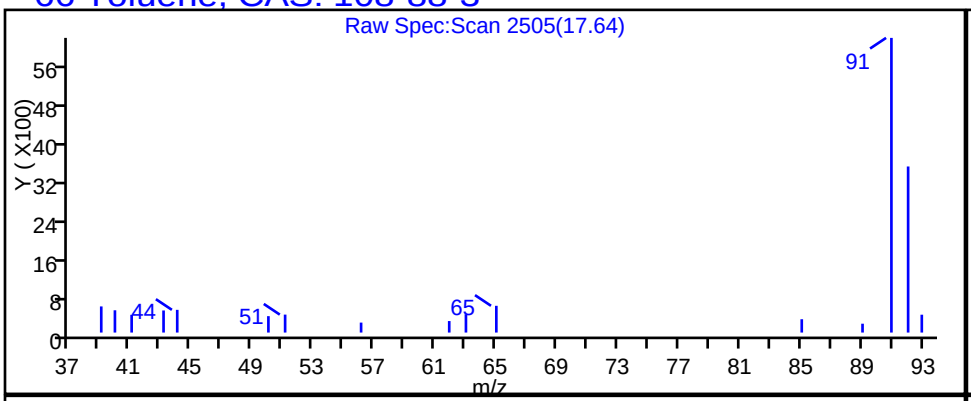
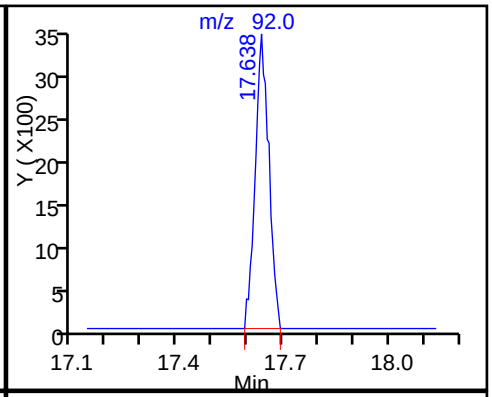
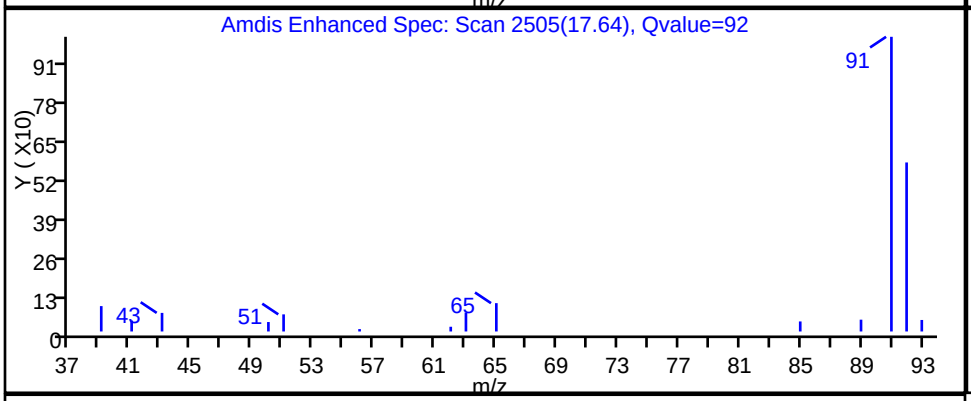
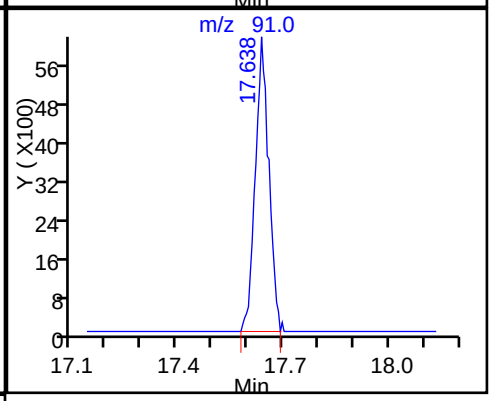
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

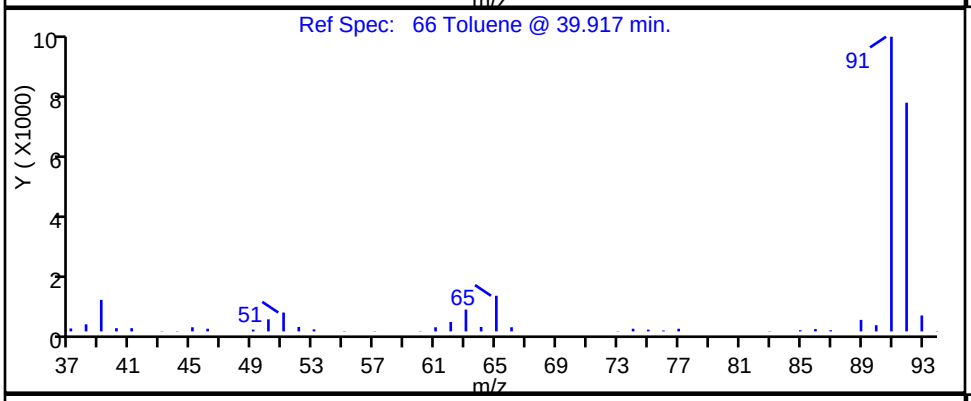
66 Toluene, CAS: 108-88-3

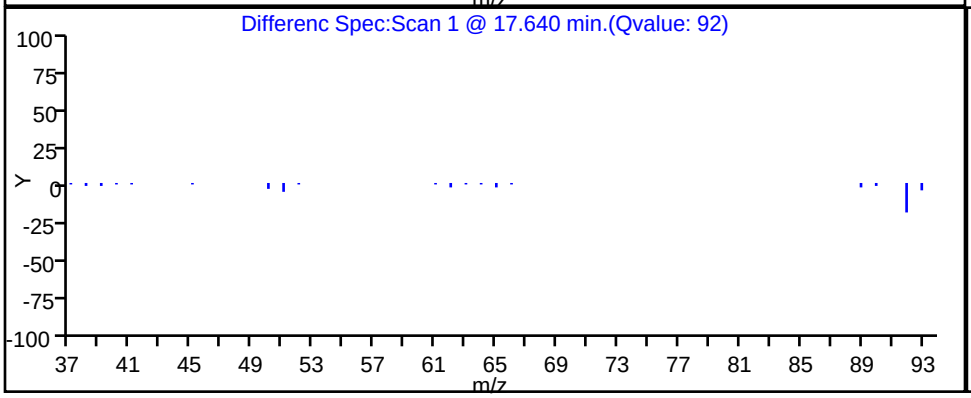


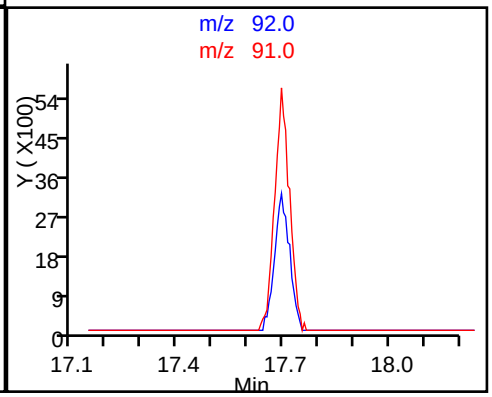












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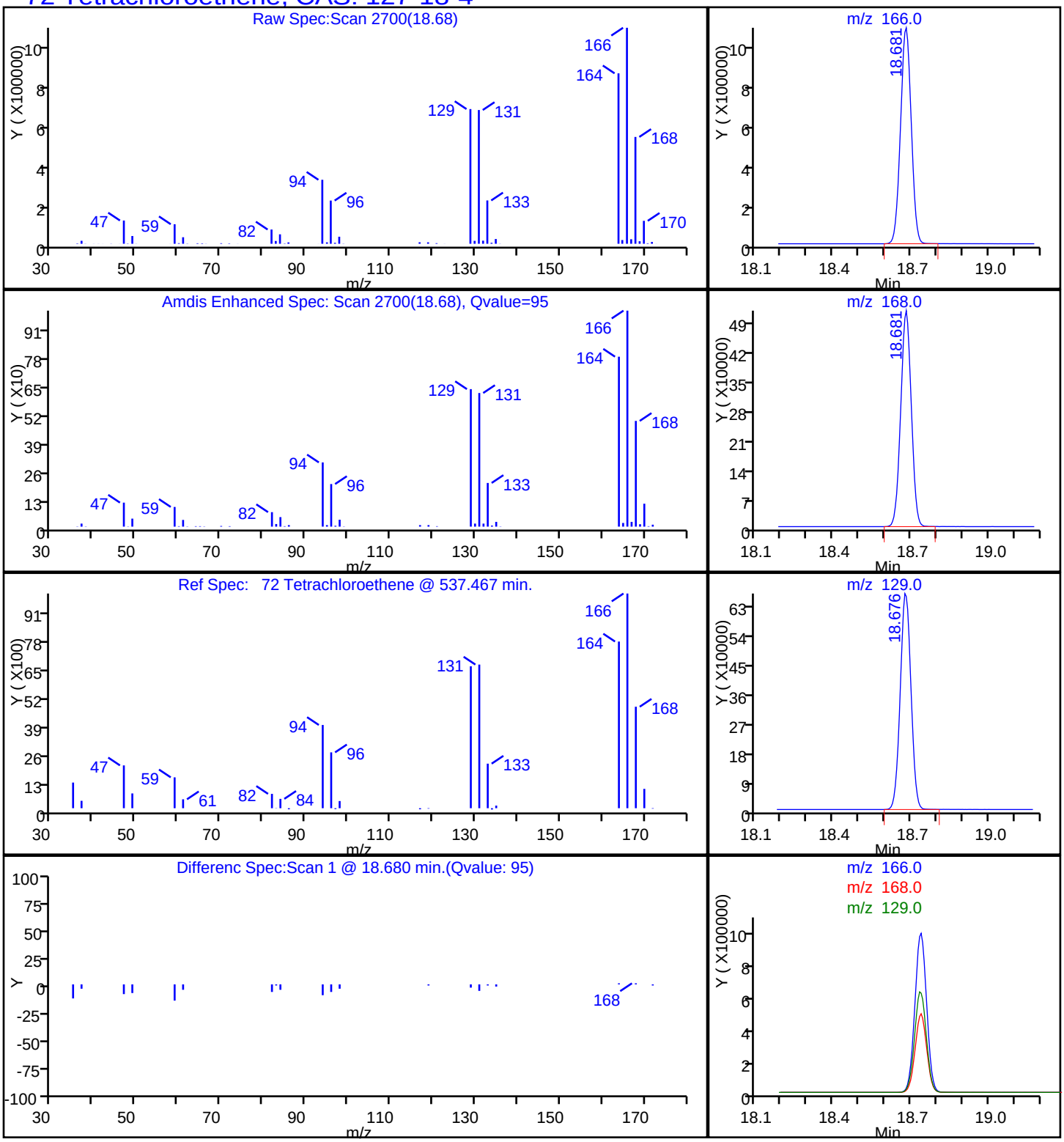
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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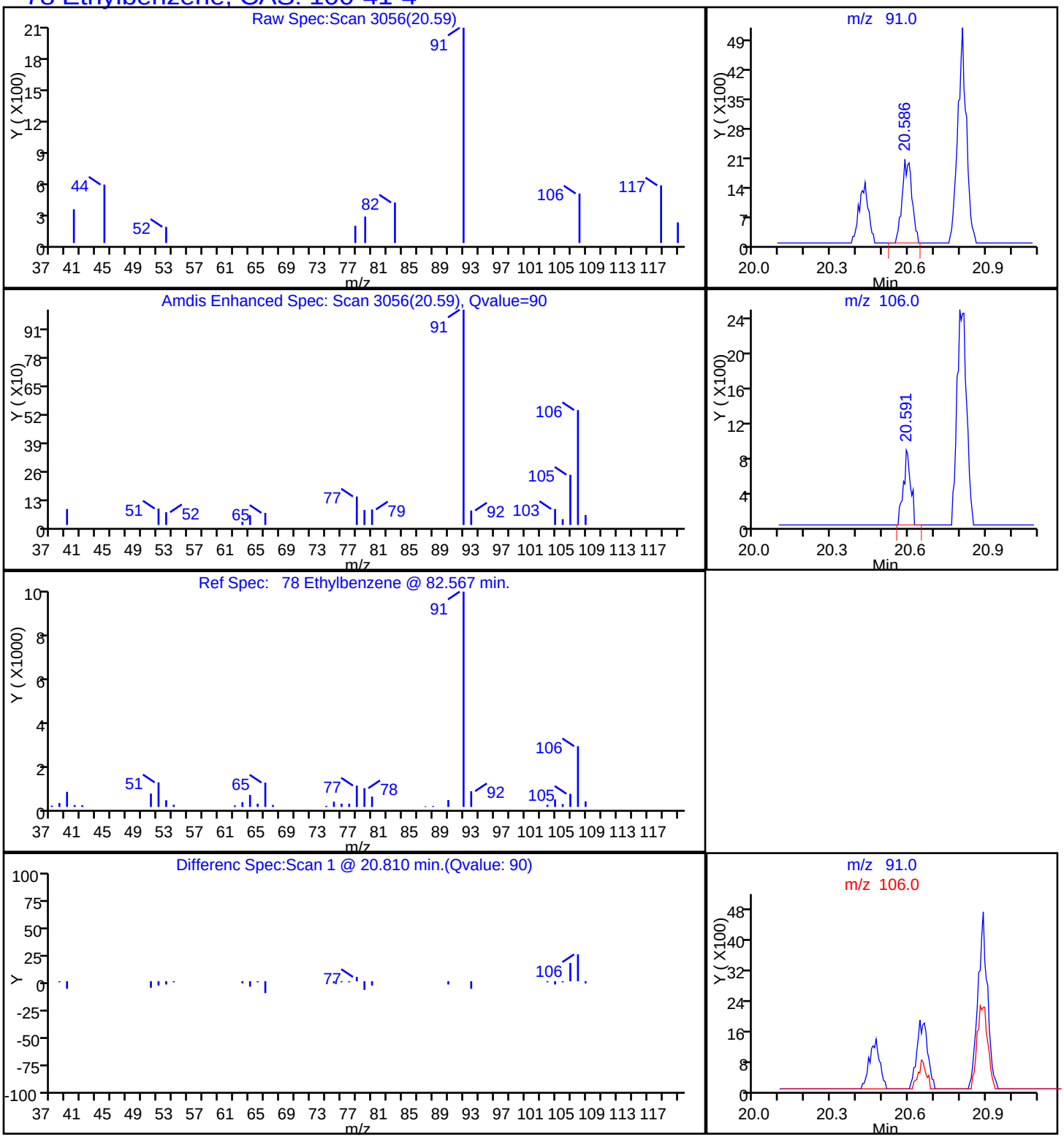
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4



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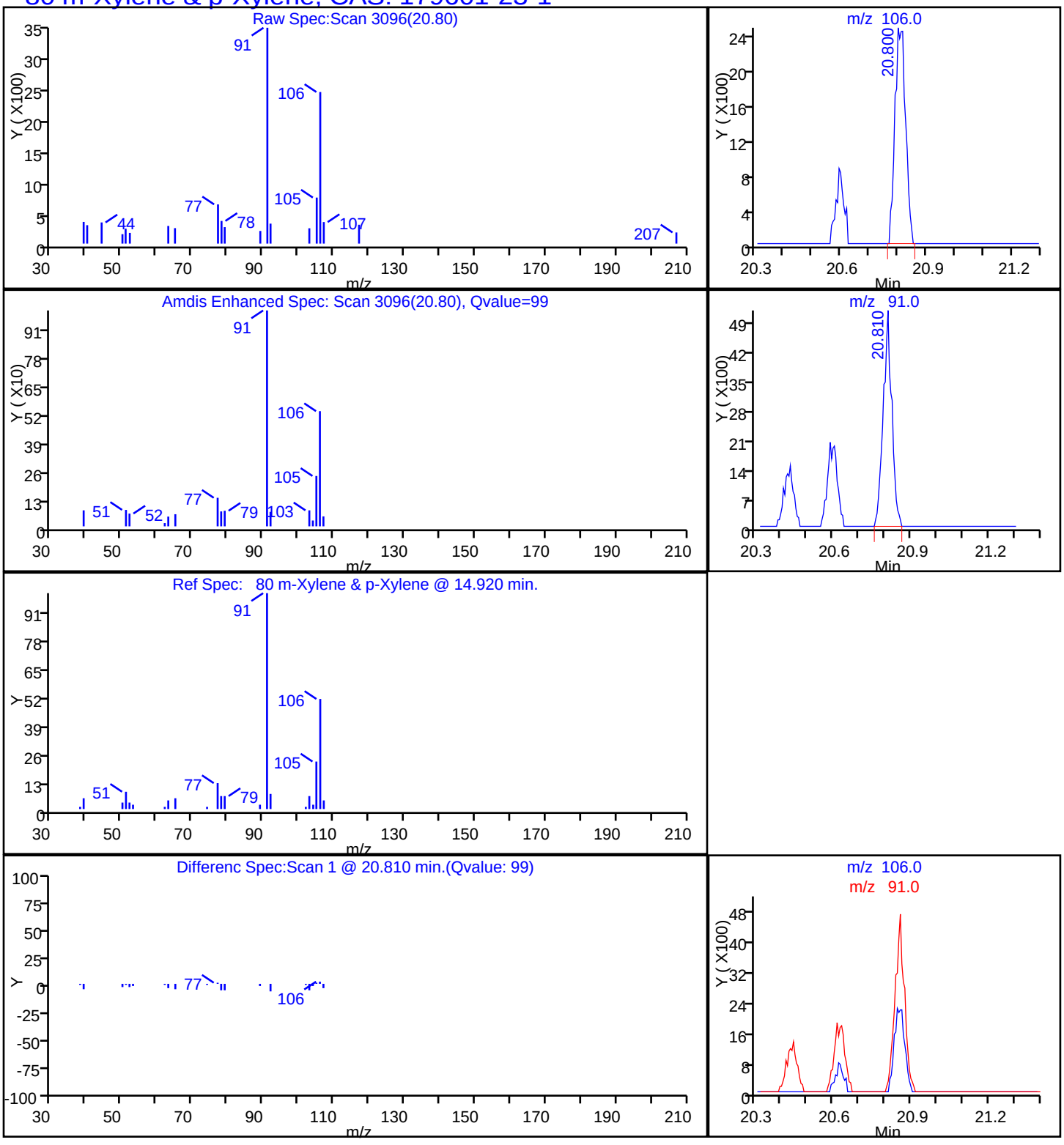
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



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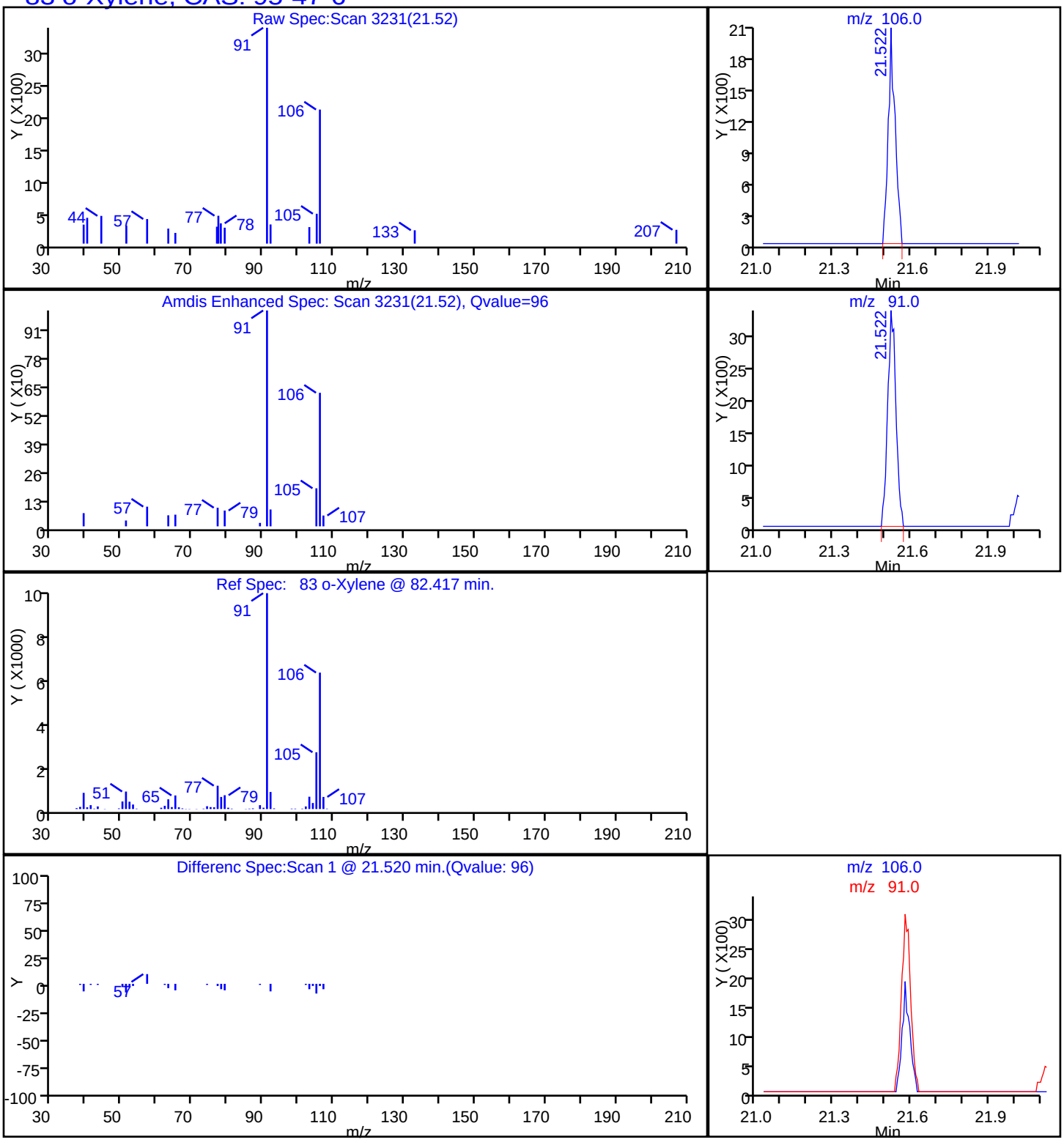
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



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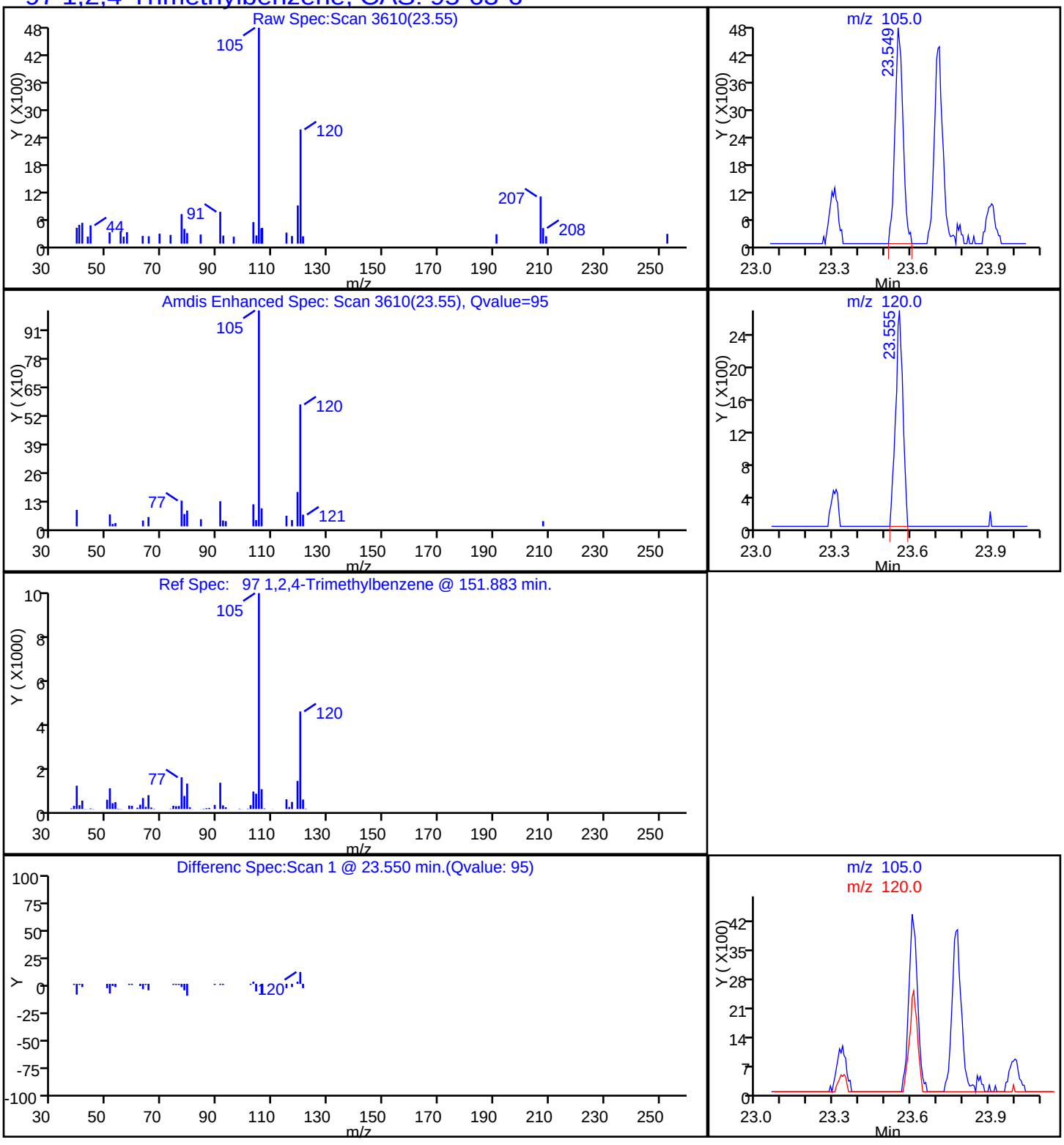
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 1,2,4-Trimethylbenzene, CAS: 95-63-6



Manual Integration/User Assign Peak Report

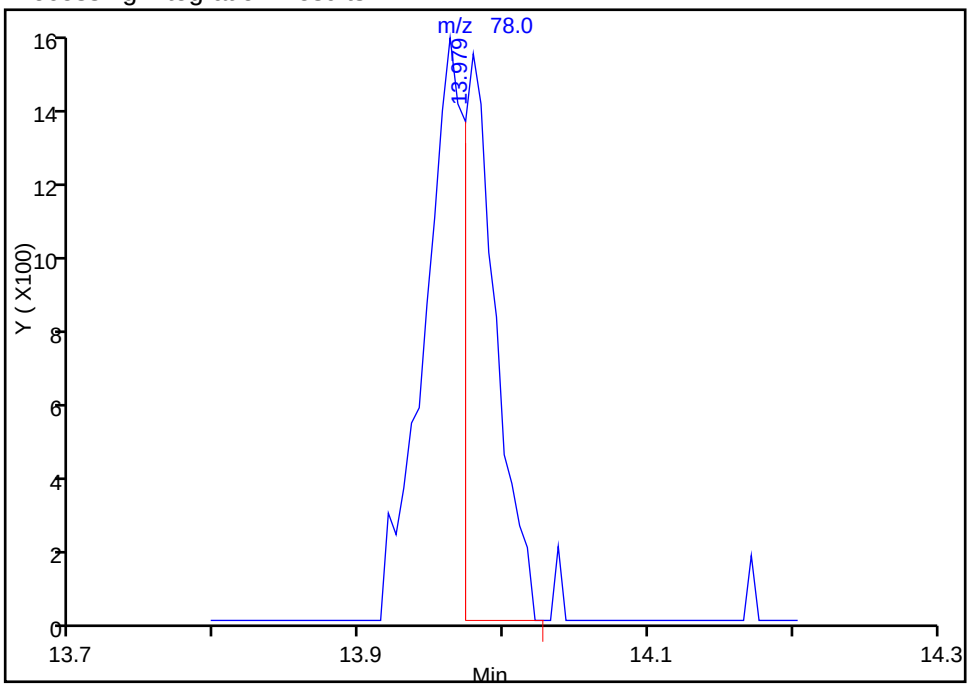
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_025.d				
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2

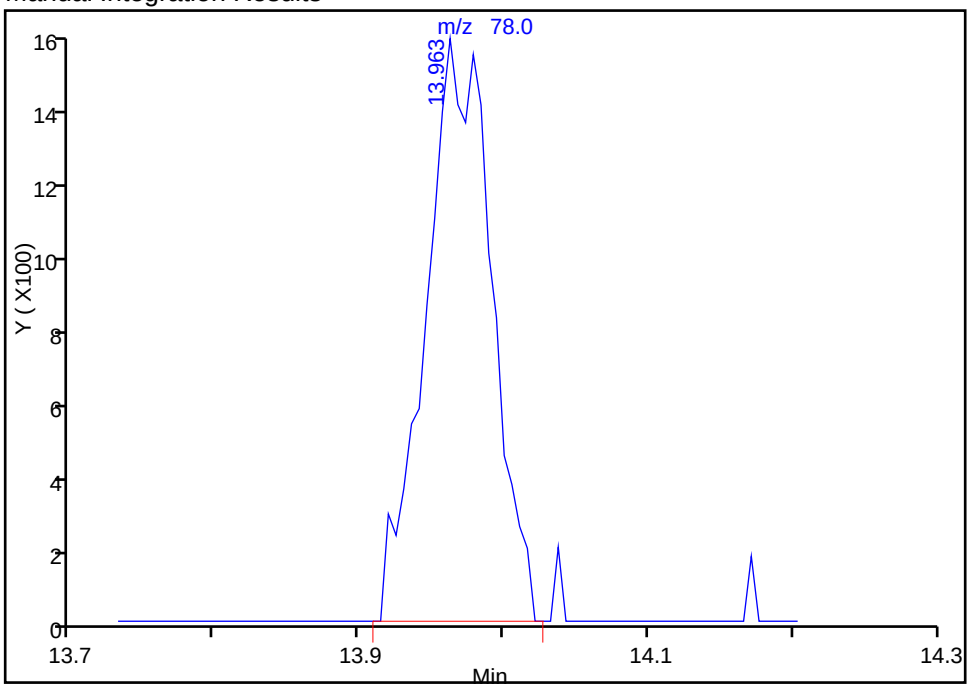
Processing Integration Results

RT: 13.98
Response: 2289
Amount: 0.013057



Manual Integration Results

RT: 13.96
Response: 4865
Amount: 0.027751



Reviewer: lyonsb, 18-Jul-2014 10:19:38
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

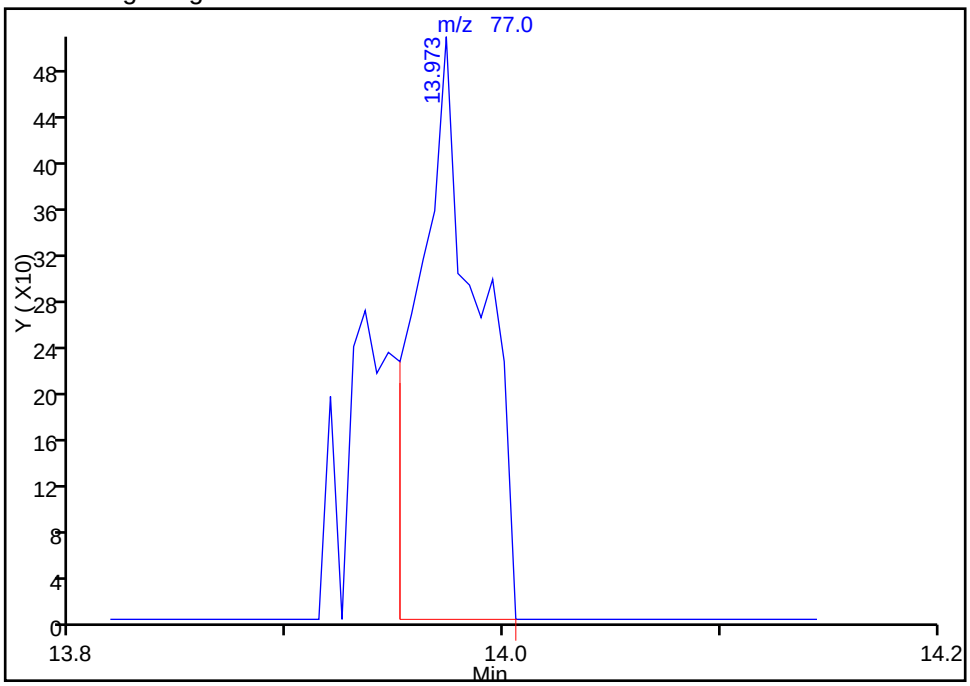
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_025.d				
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2

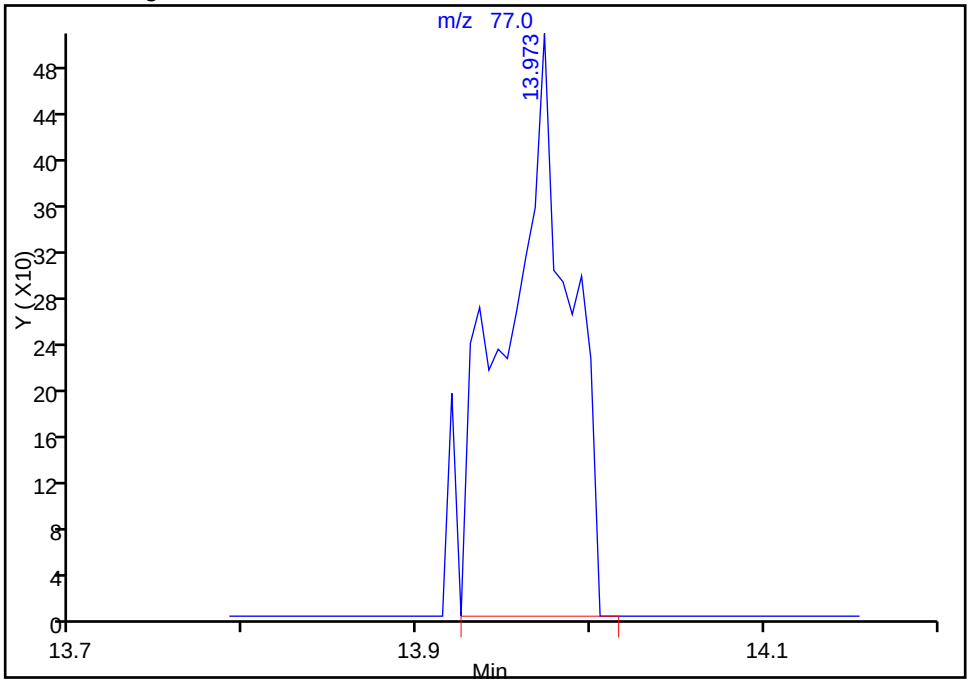
Processing Integration Results

RT: 13.97
Response: 966
Amount: 0.013057



Manual Integration Results

RT: 13.97
Response: 1269
Amount: 0.027751



Reviewer: lyonsb, 18-Jul-2014 10:19:38
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

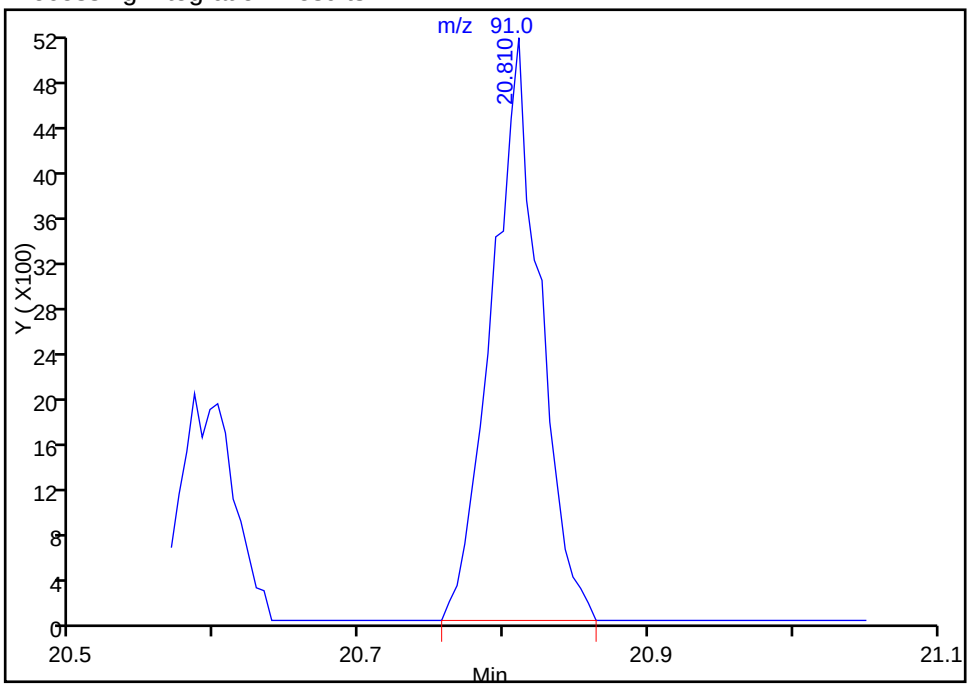
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_025.d				
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4

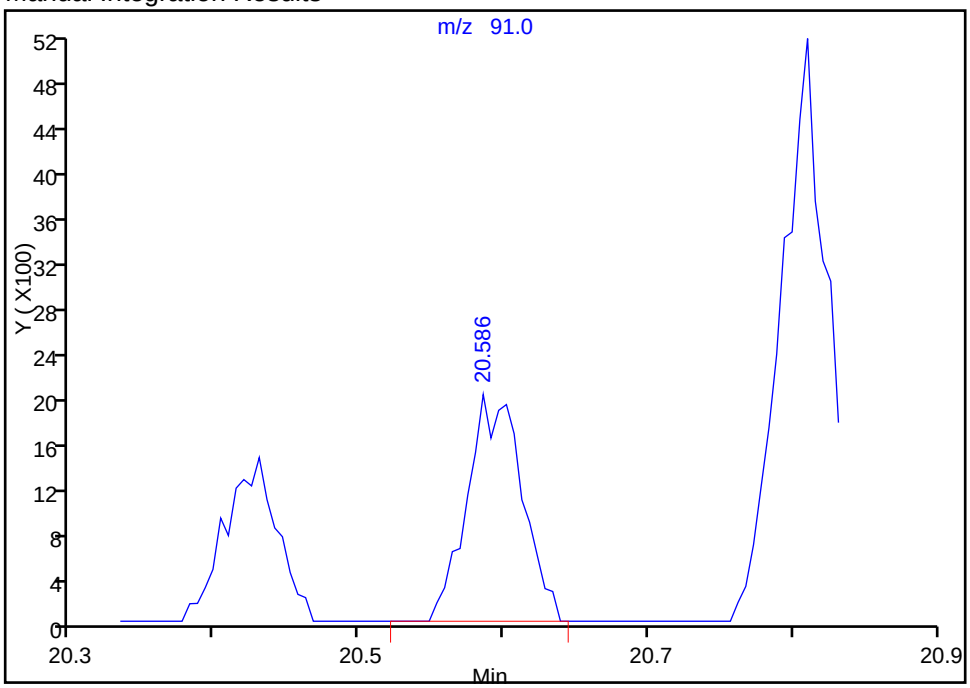
Processing Integration Results

RT: 20.81
Response: 11936
Amount: 0.042130



Manual Integration Results

RT: 20.59
Response: 5293
Amount: 0.018682



Reviewer: lyonsb, 18-Jul-2014 10:19:38
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

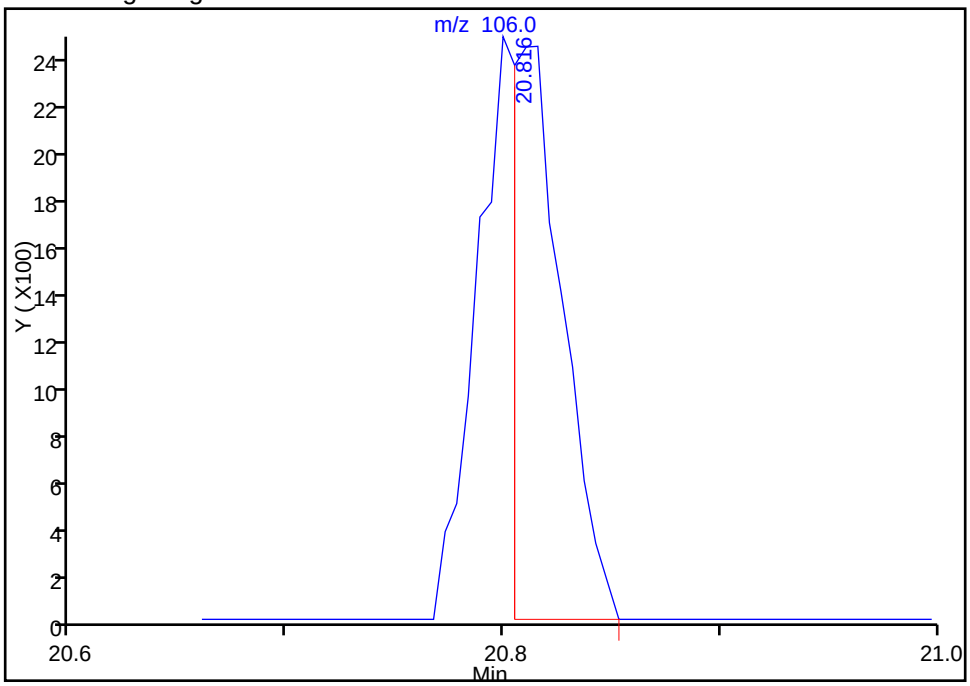
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_025.d				
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4

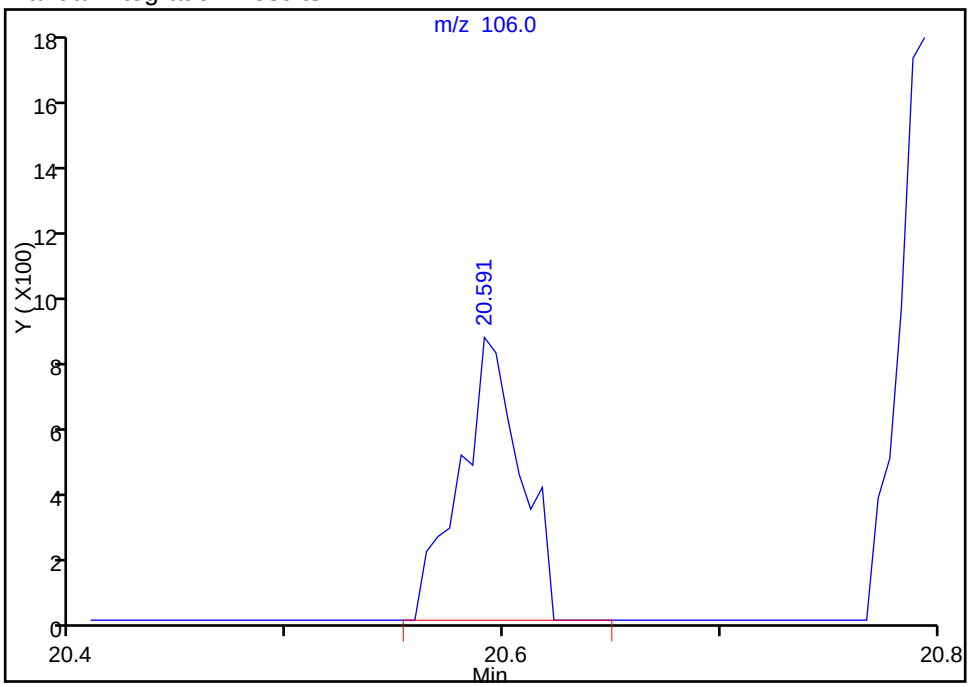
Processing Integration Results

RT: 20.82
Response: 3904
Amount: 0.042130



Manual Integration Results

RT: 20.59
Response: 1630
Amount: 0.018682



Reviewer: lyonsb, 18-Jul-2014 10:19:38
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

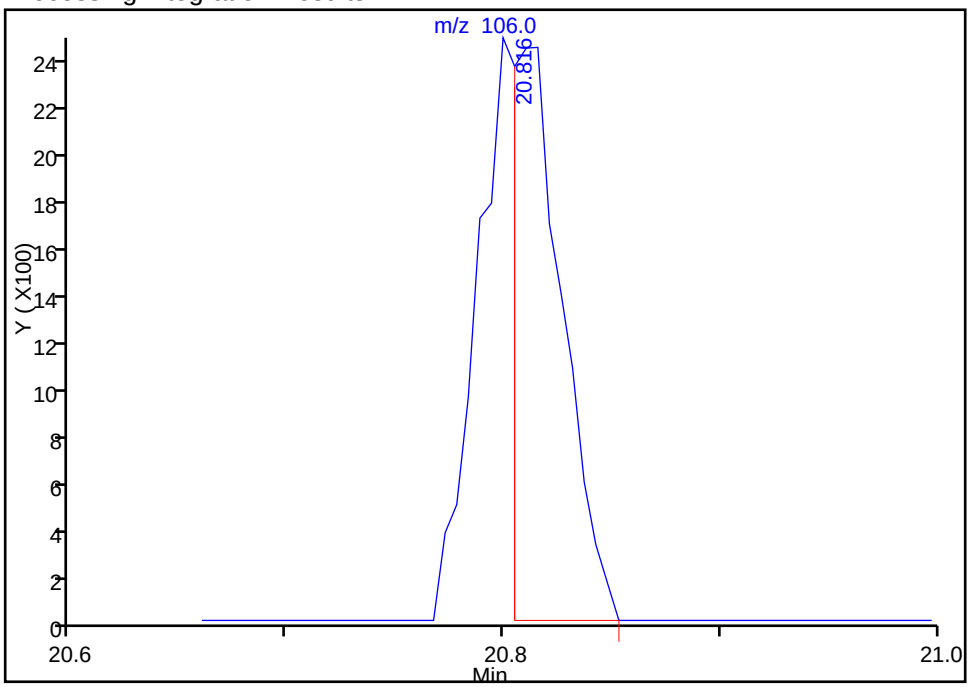
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_025.d				
Injection Date:	18-Jul-2014 08:01:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-1	Lab Sample ID:	200-23187-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1

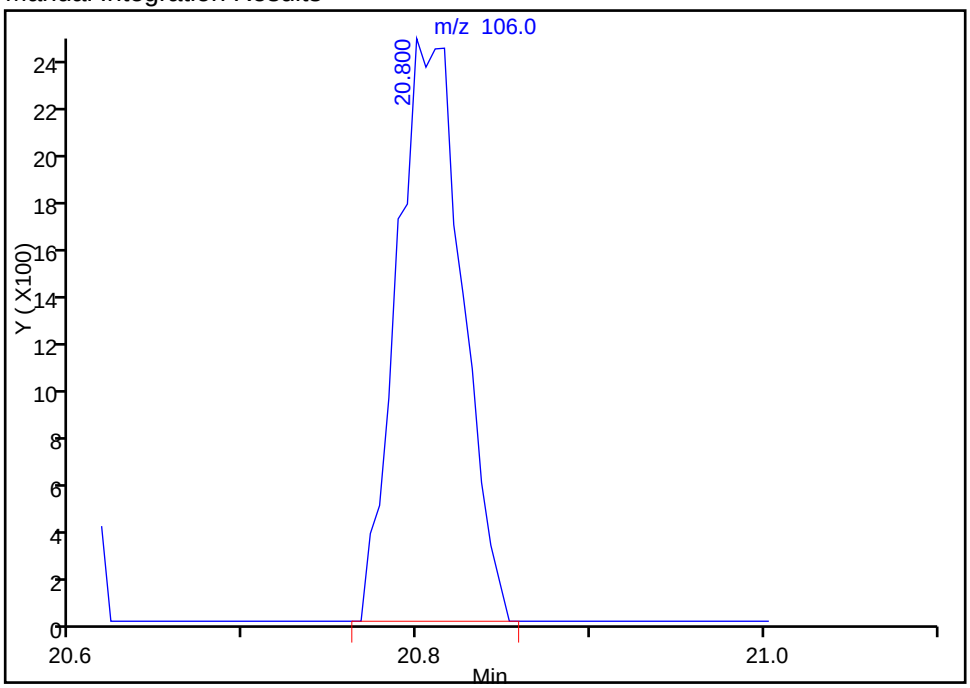
Processing Integration Results

RT: 20.82
Response: 3904
Amount: 0.032240



Manual Integration Results

RT: 20.80
Response: 6343
Amount: 0.052382



Reviewer: lyonsb, 18-Jul-2014 10:19:38
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-23187-2

Matrix: Air Lab File ID: 8602_026.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:17

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 08:48

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.61	J	1.0	0.060
75-45-6	Freon 22	86.47	0.32	J	1.0	0.096
76-14-2	Freon-114	170.92	0.40	U	0.40	0.070
74-87-3	Chloromethane	50.49	0.51	J	1.0	0.27
106-97-8	n-Butane	58.12	1.0	U	1.0	0.56
75-01-4	Vinyl chloride	62.50	0.47		0.080	0.076
106-99-0	1,3-Butadiene	54.09	0.40	U	0.40	0.084
74-83-9	Bromomethane	94.94	0.40	U	0.40	0.056
75-00-3	Chloroethane	64.52	1.0	U	1.0	0.060
593-60-2	Vinyl bromide	106.96	0.40	U	0.40	0.060
75-69-4	Freon 11	137.37	0.34	J	0.40	0.060
76-13-1	Freon 113	187.38	3.9		0.40	0.036
75-35-4	1,1-Dichloroethene	96.94	0.20	J	0.40	0.048
67-64-1	Acetone	58.08	3.3	J	10	2.5
67-63-0	Isopropyl alcohol	60.10	0.55	J	10	0.43
75-15-0	Carbon disulfide	76.14	1.0	U	1.0	0.13
107-05-1	Allyl chloride	76.53	1.0	U	1.0	0.068
75-09-2	Methylene Chloride	84.93	0.30	J	1.0	0.25
75-65-0	tert-Butyl alcohol	74.12	10	U	10	0.66
1634-04-4	Methyl tert-butyl ether	88.15	0.40	U	0.40	0.044
156-60-5	trans-1,2-Dichloroethene	96.94	0.27	J	0.40	0.058
110-54-3	Hexane	86.17	0.40	U	0.40	0.068
75-34-3	1,1-Dichloroethane	98.96	11		0.40	0.076
78-93-3	Methyl Ethyl Ketone	72.11	1.0	U	1.0	0.48
156-59-2	cis-1,2-Dichloroethene	96.94	43		0.40	0.076
540-59-0	1,2-Dichloroethene, Total	96.94	43		0.40	0.13
67-66-3	Chloroform	119.38	0.24	J	0.40	0.050
109-99-9	Tetrahydrofuran	72.11	0.35	J	10	0.092
71-55-6	1,1,1-Trichloroethane	133.41	0.40	U	0.40	0.042
110-82-7	Cyclohexane	84.16	0.40	U	0.40	0.050
56-23-5	Carbon tetrachloride	153.81	0.080	U	0.080	0.042
540-84-1	2,2,4-Trimethylpentane	114.23	0.40	U	0.40	0.054
71-43-2	Benzene	78.11	0.40	U	0.40	0.038
107-06-2	1,2-Dichloroethane	98.96	0.40	U	0.40	0.034
142-82-5	Heptane	100.21	0.40	U	0.40	0.092

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS MID CARBON | Lab Sample ID: 200-23187-2

Matrix: Air | Lab File ID: 8602_026.d

Analysis Method: TO-15 | Date Collected: 07/10/2014 10:17

Sample wt/vol: 100(mL) | Date Analyzed: 07/18/2014 08:48

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 75017 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.080	U	0.080	0.048
80-62-6	Methyl methacrylate	100.12	1.0	U	1.0	0.060
78-87-5	1,2-Dichloropropane	112.99	0.40	U	0.40	0.064
123-91-1	1,4-Dioxane	88.11	10	U	10	0.40
75-27-4	Bromodichloromethane	163.83	0.40	U	0.40	0.034
10061-01-5	cis-1,3-Dichloropropene	110.97	0.40	U	0.40	0.056
108-10-1	methyl isobutyl ketone	100.16	1.0	U	1.0	0.054
108-88-3	Toluene	92.14	0.15	J	0.40	0.034
10061-02-6	trans-1,3-Dichloropropene	110.97	0.40	U	0.40	0.044
79-00-5	1,1,2-Trichloroethane	133.41	0.40	U	0.40	0.034
127-18-4	Tetrachloroethene	165.83	0.053	J	0.40	0.032
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.0	U	1.0	0.40
124-48-1	Dibromochloromethane	208.29	0.40	U	0.40	0.040
106-93-4	1,2-Dibromoethane	187.87	0.40	U	0.40	0.040
108-90-7	Chlorobenzene	112.56	0.044	J	0.40	0.016
100-41-4	Ethylbenzene	106.17	0.057	J	0.40	0.026
179601-23-1	m,p-Xylene	106.17	0.25	J	1.0	0.046
95-47-6	Xylene, o-	106.17	0.19	J	0.40	0.032
1330-20-7	Xylene (total)	106.17	0.44		0.40	0.068
100-42-5	Styrene	104.15	0.40	U	0.40	0.036
75-25-2	Bromoform	252.75	0.40	U	0.40	0.020
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.40	U	0.40	0.032
103-65-1	n-Propylbenzene	120.19	0.40	U	0.40	0.16
622-96-8	4-Ethyltoluene	120.20	0.40	U	0.40	0.036
108-67-8	1,3,5-Trimethylbenzene	120.20	0.070	J	0.40	0.024
95-49-8	2-Chlorotoluene	126.59	0.40	U	0.40	0.026
98-06-6	tert-Butylbenzene	134.22	0.40	U	0.40	0.034
95-63-6	1,2,4-Trimethylbenzene	120.20	0.18	J	0.40	0.028
135-98-8	sec-Butylbenzene	134.22	0.40	U	0.40	0.16
99-87-6	4-Isopropyltoluene	134.22	0.40	U	0.40	0.16
541-73-1	1,3-Dichlorobenzene	147.00	0.40	U	0.40	0.028
106-46-7	1,4-Dichlorobenzene	147.00	0.40	U	0.40	0.028
100-44-7	Benzyl chloride	126.58	0.40	U	0.40	0.16
104-51-8	n-Butylbenzene	134.22	0.40	U	0.40	0.16

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-23187-2

Matrix: Air Lab File ID: 8602_026.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:17

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 08:48

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.40	U	0.40	0.028
120-82-1	1,2,4-Trichlorobenzene	181.45	1.0	U	1.0	0.054
87-68-3	Hexachloro-1,3-butadiene	260.76	0.40	U	0.40	0.044
91-20-3	Naphthalene	128.17	1.0	U	1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-23187-2

Matrix: Air Lab File ID: 8602_026.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:17

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 08:48

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	3.0	J	4.9	0.30
75-45-6	Freon 22	86.47	1.1	J	3.5	0.34
76-14-2	Freon-114	170.92	2.8	U	2.8	0.49
74-87-3	Chloromethane	50.49	1.0	J	2.1	0.56
106-97-8	n-Butane	58.12	2.4	U	2.4	1.3
75-01-4	Vinyl chloride	62.50	1.2		0.20	0.19
106-99-0	1,3-Butadiene	54.09	0.88	U	0.88	0.19
74-83-9	Bromomethane	94.94	1.6	U	1.6	0.22
75-00-3	Chloroethane	64.52	2.6	U	2.6	0.16
593-60-2	Vinyl bromide	106.96	1.7	U	1.7	0.26
75-69-4	Freon 11	137.37	1.9	J	2.2	0.34
76-13-1	Freon 113	187.38	30		3.1	0.28
75-35-4	1,1-Dichloroethene	96.94	0.79	J	1.6	0.19
67-64-1	Acetone	58.08	7.7	J	24	5.9
67-63-0	Isopropyl alcohol	60.10	1.4	J	25	1.1
75-15-0	Carbon disulfide	76.14	3.1	U	3.1	0.41
107-05-1	Allyl chloride	76.53	3.1	U	3.1	0.21
75-09-2	Methylene Chloride	84.93	1.1	J	3.5	0.87
75-65-0	tert-Butyl alcohol	74.12	30	U	30	2.0
1634-04-4	Methyl tert-butyl ether	88.15	1.4	U	1.4	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	1.1	J	1.6	0.23
110-54-3	Hexane	86.17	1.4	U	1.4	0.24
75-34-3	1,1-Dichloroethane	98.96	44		1.6	0.31
78-93-3	Methyl Ethyl Ketone	72.11	2.9	U	2.9	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	170		1.6	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	170		1.6	0.51
67-66-3	Chloroform	119.38	1.2	J	2.0	0.24
109-99-9	Tetrahydrofuran	72.11	1.0	J	29	0.27
71-55-6	1,1,1-Trichloroethane	133.41	2.2	U	2.2	0.23
110-82-7	Cyclohexane	84.16	1.4	U	1.4	0.17
56-23-5	Carbon tetrachloride	153.81	0.50	U	0.50	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	1.9	U	1.9	0.25
71-43-2	Benzene	78.11	1.3	U	1.3	0.12
107-06-2	1,2-Dichloroethane	98.96	1.6	U	1.6	0.14
142-82-5	Heptane	100.21	1.6	U	1.6	0.38

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-23187-2

Matrix: Air Lab File ID: 8602_026.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:17

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 08:48

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.43	U	0.43	0.26
80-62-6	Methyl methacrylate	100.12	4.1	U	4.1	0.25
78-87-5	1,2-Dichloropropane	112.99	1.8	U	1.8	0.30
123-91-1	1,4-Dioxane	88.11	36	U	36	1.4
75-27-4	Bromodichloromethane	163.83	2.7	U	2.7	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	1.8	U	1.8	0.25
108-10-1	methyl isobutyl ketone	100.16	4.1	U	4.1	0.22
108-88-3	Toluene	92.14	0.57	J	1.5	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	1.8	U	1.8	0.20
79-00-5	1,1,2-Trichloroethane	133.41	2.2	U	2.2	0.19
127-18-4	Tetrachloroethene	165.83	0.36	J	2.7	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.1	U	4.1	1.6
124-48-1	Dibromochloromethane	208.29	3.4	U	3.4	0.34
106-93-4	1,2-Dibromoethane	187.87	3.1	U	3.1	0.31
108-90-7	Chlorobenzene	112.56	0.20	J	1.8	0.075
100-41-4	Ethylbenzene	106.17	0.25	J	1.7	0.11
179601-23-1	m,p-Xylene	106.17	1.1	J	4.3	0.20
95-47-6	Xylene, o-	106.17	0.84	J	1.7	0.14
1330-20-7	Xylene (total)	106.17	1.9		1.7	0.30
100-42-5	Styrene	104.15	1.7	U	1.7	0.15
75-25-2	Bromoform	252.75	4.1	U	4.1	0.21
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.7	U	2.7	0.22
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.79
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.18
108-67-8	1,3,5-Trimethylbenzene	120.20	0.35	J	2.0	0.12
95-49-8	2-Chlorotoluene	126.59	2.1	U	2.1	0.13
98-06-6	tert-Butylbenzene	134.22	2.2	U	2.2	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	0.86	J	2.0	0.14
135-98-8	sec-Butylbenzene	134.22	2.2	U	2.2	0.88
99-87-6	4-Isopropyltoluene	134.22	2.2	U	2.2	0.88
541-73-1	1,3-Dichlorobenzene	147.00	2.4	U	2.4	0.17
106-46-7	1,4-Dichlorobenzene	147.00	2.4	U	2.4	0.17
100-44-7	Benzyl chloride	126.58	2.1	U	2.1	0.83
104-51-8	n-Butylbenzene	134.22	2.2	U	2.2	0.88

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-23187-2

Matrix: Air Lab File ID: 8602_026.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:17

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 08:48

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	2.4	U	2.4	0.17
120-82-1	1,2,4-Trichlorobenzene	181.45	7.4	U	7.4	0.40
87-68-3	Hexachloro-1,3-butadiene	260.76	4.3	U	4.3	0.47
91-20-3	Naphthalene	128.17	5.2	U	5.2	2.1

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d
Lims ID: 200-23187-A-2 Lab Sample ID: 200-23187-2
Client ID: GCTS MID CARBON
Sample Type: Client
Inject. Date: 18-Jul-2014 08:48:30 ALS Bottle#: 9 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Sample Info: 200-0008602-026
Misc. Info.: 200-23187-a-2
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Jul-2014 10:22:41 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 18-Jul-2014 10:21:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.488	4.488	0.000	99	38355	0.3068	
6 Chlorodifluoromethane	51	4.558	4.552	0.006	96	9874	0.1580	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.836				ND	
8 Chloromethane	50	5.034	5.034	0.000	98	9343	0.2526	
9 Butane	43		5.291				ND	
10 Vinyl chloride	62	5.355	5.349	0.006	97	10840	0.2359	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.318				ND	
14 Chloroethane	64		6.601				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101	7.195	7.190	0.005	98	23663	0.1715	
23 1,1,2-Trichloro-1,2,2-trif	101	8.447	8.436	0.011	94	203863	1.93	
24 1,1-Dichloroethene	96	8.517	8.511	0.006	91	5176	0.0998	
25 Acetone	43	8.747	8.741	0.006	89	106395	1.63	
26 Carbon disulfide	76		9.003				ND	
27 Isopropyl alcohol	45	9.030	9.025	0.005	95	15245	0.2770	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49	9.736	9.731	0.005	83	6785	0.1515	
32 2-Methyl-2-propanol	59		9.897				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61				0		21.8	
34 trans-1,2-Dichloroethene	61	10.223	10.228	-0.005	86	8476	0.1362	
36 Hexane	57		10.640				ND	
37 1,1-Dichloroethane	63	11.186	11.191	-0.005	99	452200	5.50	
39 cis-1,2-Dichloroethene	96	12.363	12.363	0.000	92	1261672	21.6	
40 2-Butanone (MEK)	72		12.379				ND	
44 Tetrahydrofuran	42	12.855	12.839	0.016	66	7527	0.1748	
* 43 Chlorobromomethane	128	12.845	12.850	-0.005	74	427561	10.0	
45 Chloroform	83	12.946	12.957	-0.011	98	12350	0.1213	
46 Cyclohexane	84		13.256				ND	
47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.524				ND	
51 Isooctane	57		13.909				ND	
50 Benzene	78		13.973				ND	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.262				ND	
* 54 1,4-Difluorobenzene	114	14.728	14.727	0.001	92	2030537	10.0	
56 Trichloroethene	95		15.198				ND	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.888				ND	
62 Dichlorobromomethane	83		16.209				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.301				ND	
66 Toluene	92	17.638	17.638	0.000	92	9623	0.0754	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166	18.692	18.681	0.011	90	3529	0.0267	M
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.2228	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	81	1795129	10.0	
77 Chlorobenzene	112	20.484	20.478	0.006	82	3913	0.0222	
78 Ethylbenzene	91	20.586	20.596	-0.010	96	7208	0.0284	M
80 m-Xylene & p-Xylene	106	20.805	20.810	-0.005	99	13698	0.1263	
83 o-Xylene	106	21.527	21.527	0.000	96	10682	0.0965	
84 Styrene	104		21.564				ND	
85 Bromoform	173		21.949				ND	
$ 87 4-Bromofluorobenzene	95	22.437	22.436	0.001	97	1141603	NC	
88 1,1,2,2-Tetrachloroethane	83		22.666				ND	
90 N-Propylbenzene	91		22.741				ND	
91 4-Ethyltoluene	105		22.907				ND	
92 2-Chlorotoluene	91		22.945				ND	
94 1,3,5-Trimethylbenzene	105	22.998	22.998	0.000	92	9026	0.0351	
96 tert-Butylbenzene	119		23.474				ND	
97 1,2,4-Trimethylbenzene	105	23.565	23.565	0.000	96	22638	0.0876	
98 sec-Butylbenzene	105		23.806				ND	
99 4-Isopropyltoluene	119		24.009				ND	
100 1,3-Dichlorobenzene	146		24.079				ND	
101 1,4-Dichlorobenzene	146		24.223				ND	
102 Benzyl chloride	91		24.432				ND	
103 n-Butylbenzene	91		24.640				ND	
105 1,2-Dichlorobenzene	146		24.828				ND	
107 1,2,4-Trichlorobenzene	180		27.706				ND	
108 Hexachlorobutadiene	225		27.904				ND	
109 Naphthalene	128		28.289				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

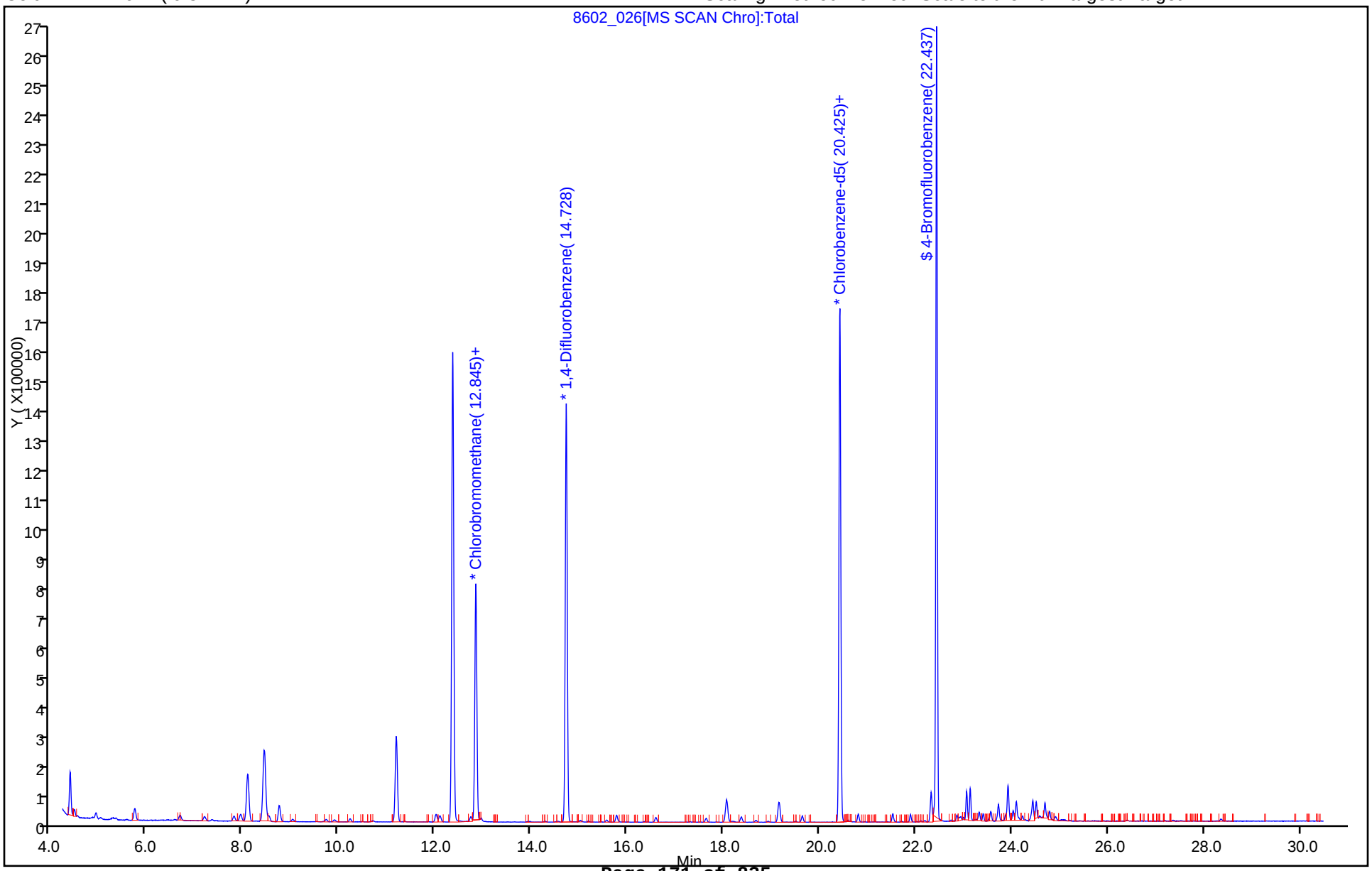
Report Date: 18-Jul-2014 10:22:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2	Worklist Smp#:	26
Client ID:	GCTS MID CARBON				
Purge Vol:	200.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



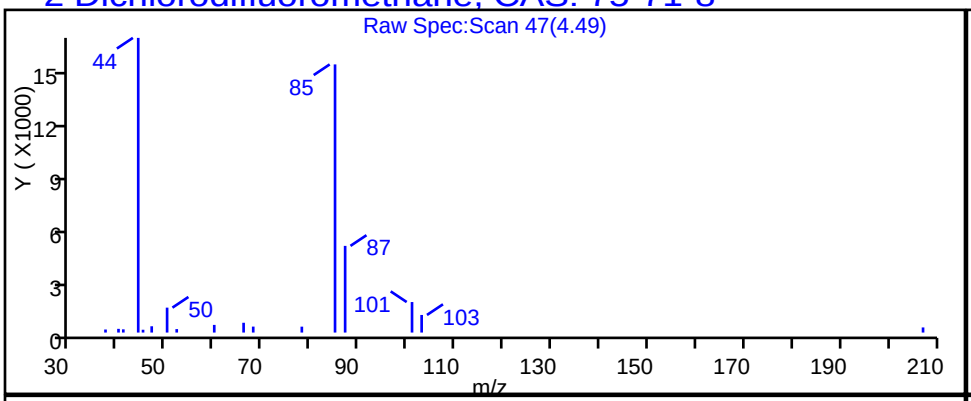
Report Date: 18-Jul-2014 10:22:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

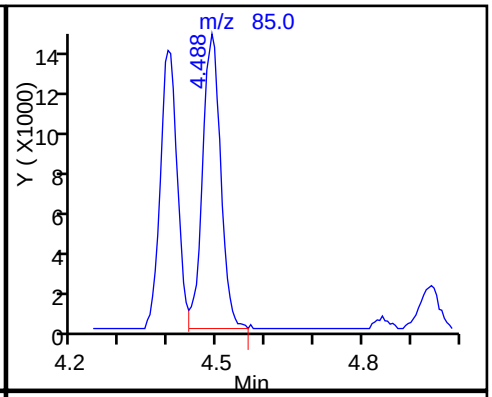
TestAmerica Burlington

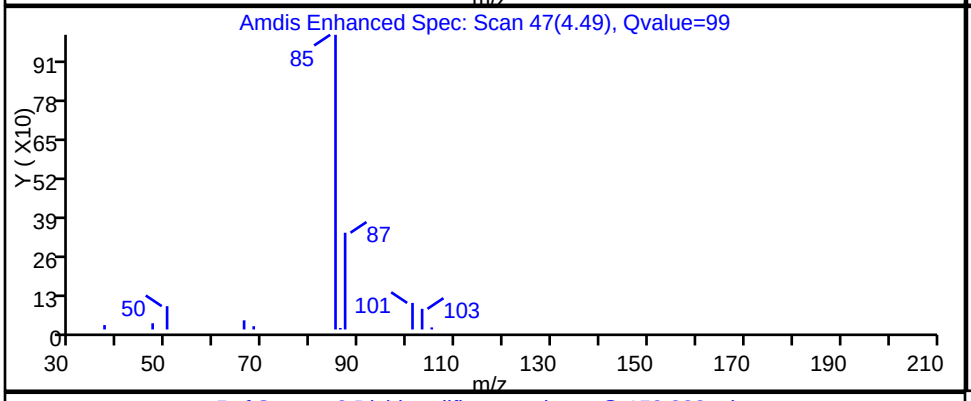
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

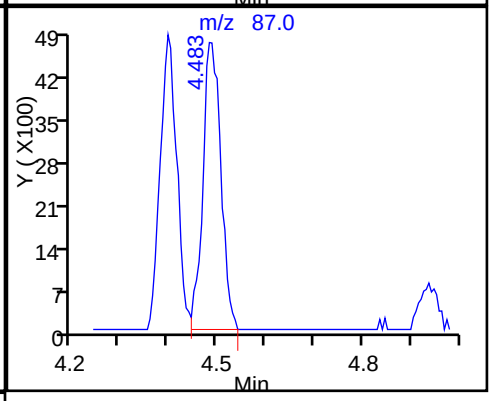
Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

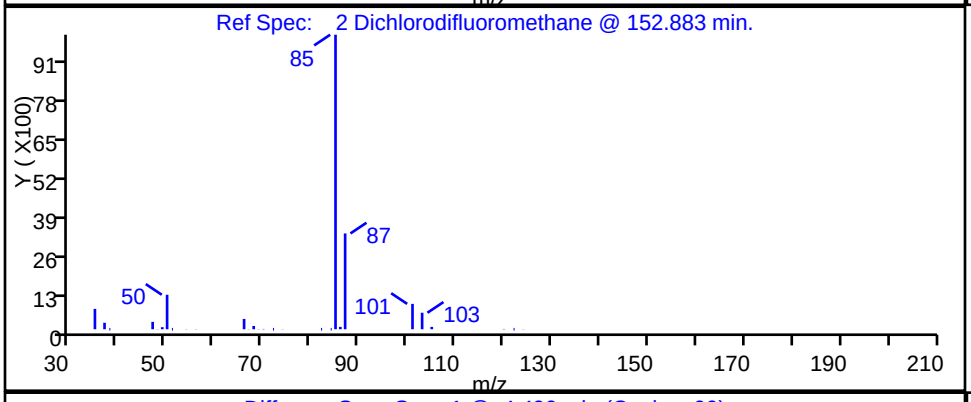
2 Dichlorodifluoromethane, CAS: 75-71-8

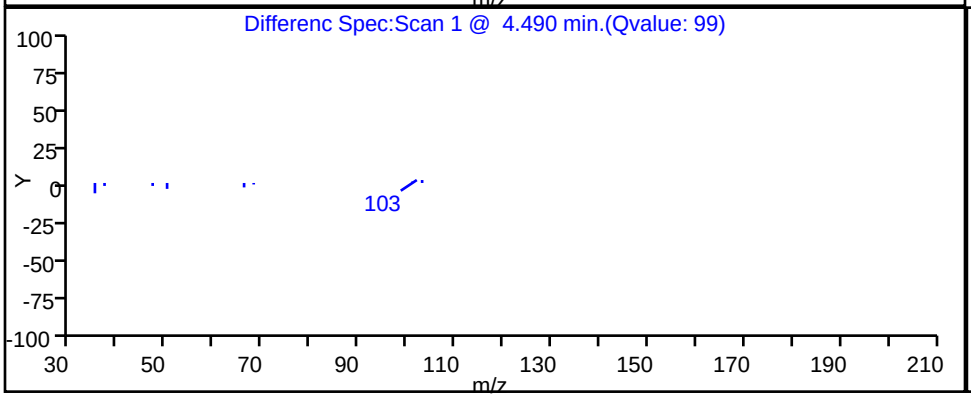


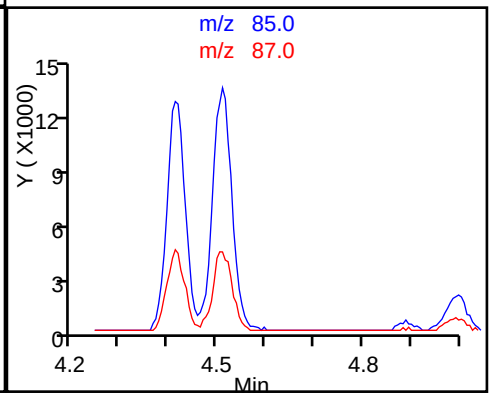












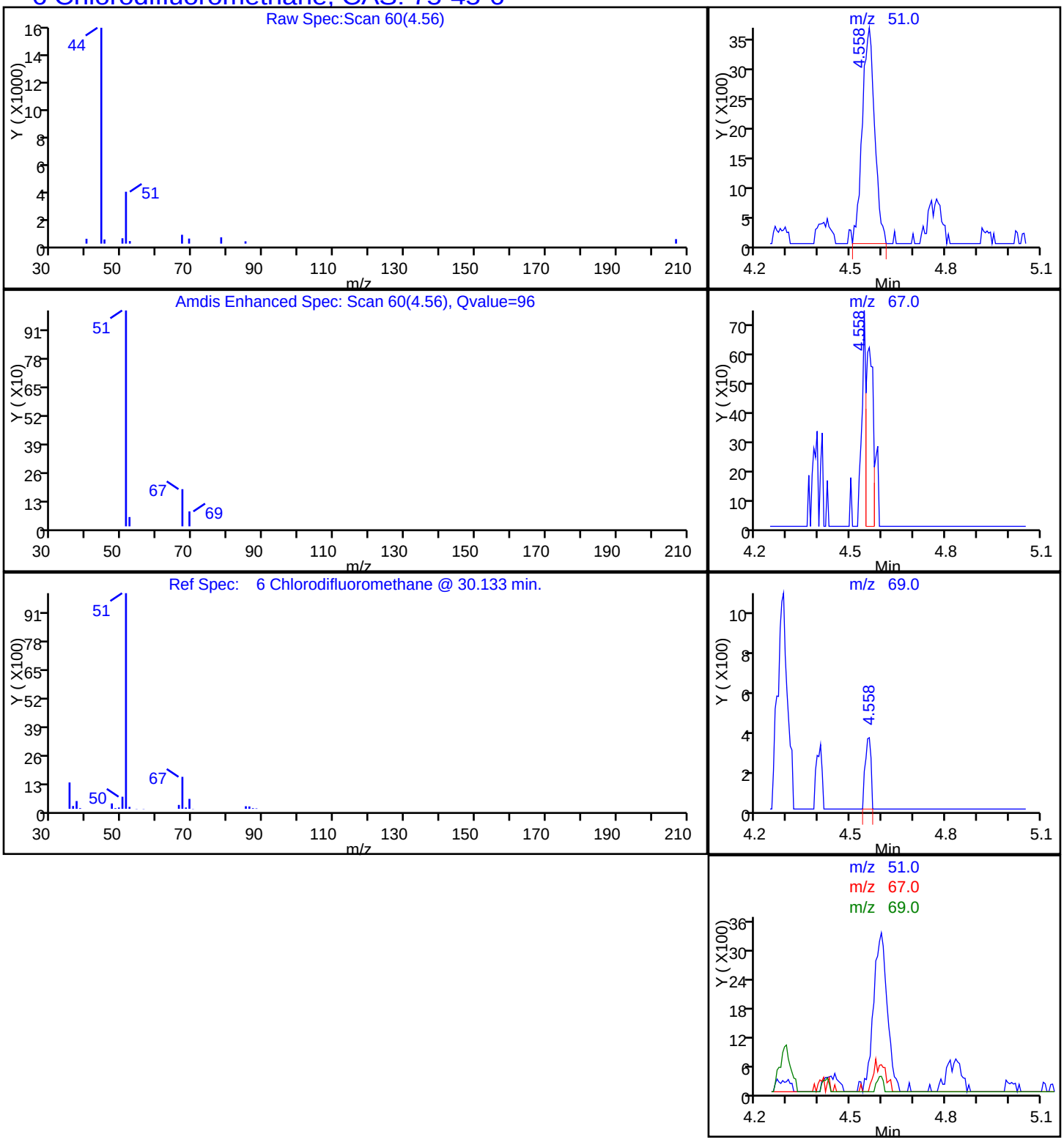
Report Date: 18-Jul-2014 10:22:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



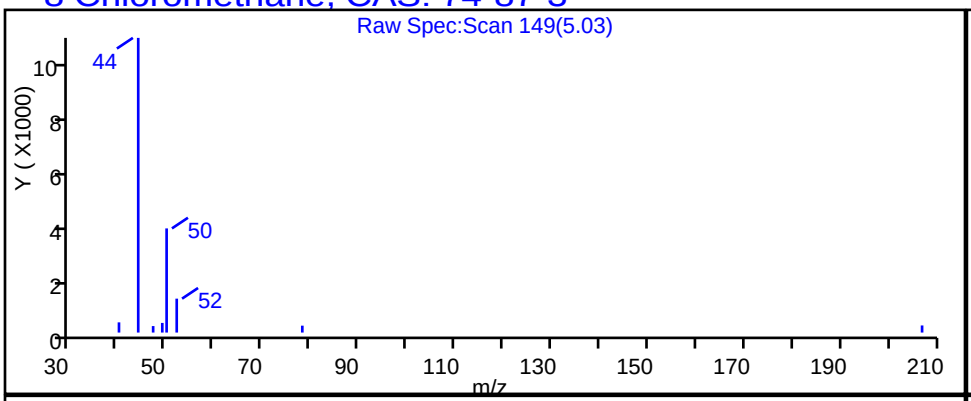
Report Date: 18-Jul-2014 10:22:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

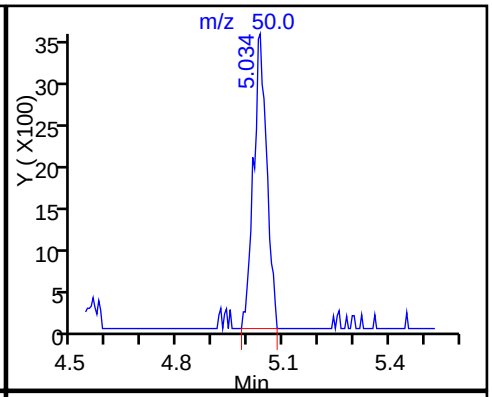
TestAmerica Burlington

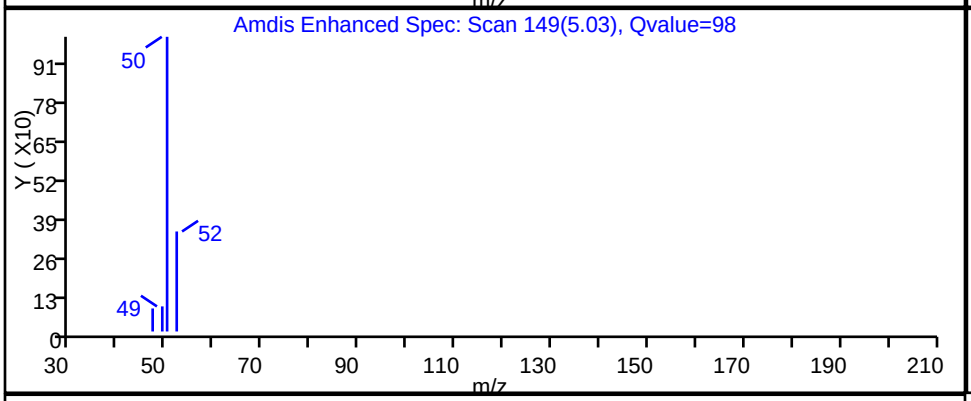
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

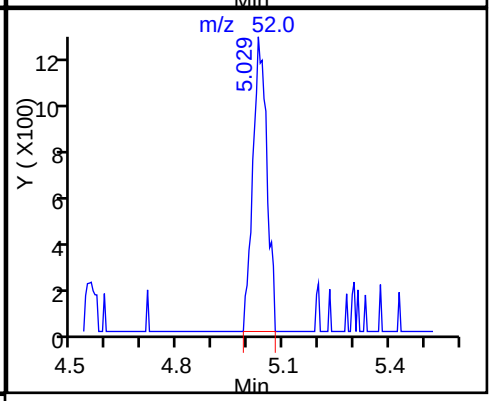
Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

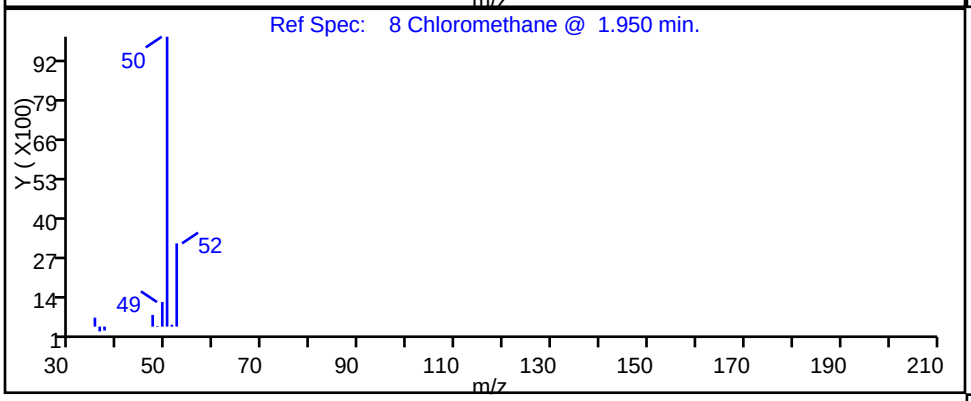
8 Chloromethane, CAS: 74-87-3

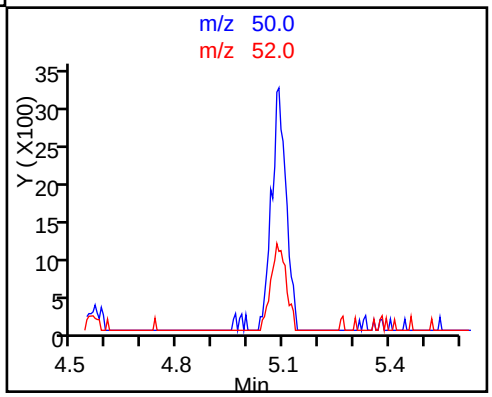












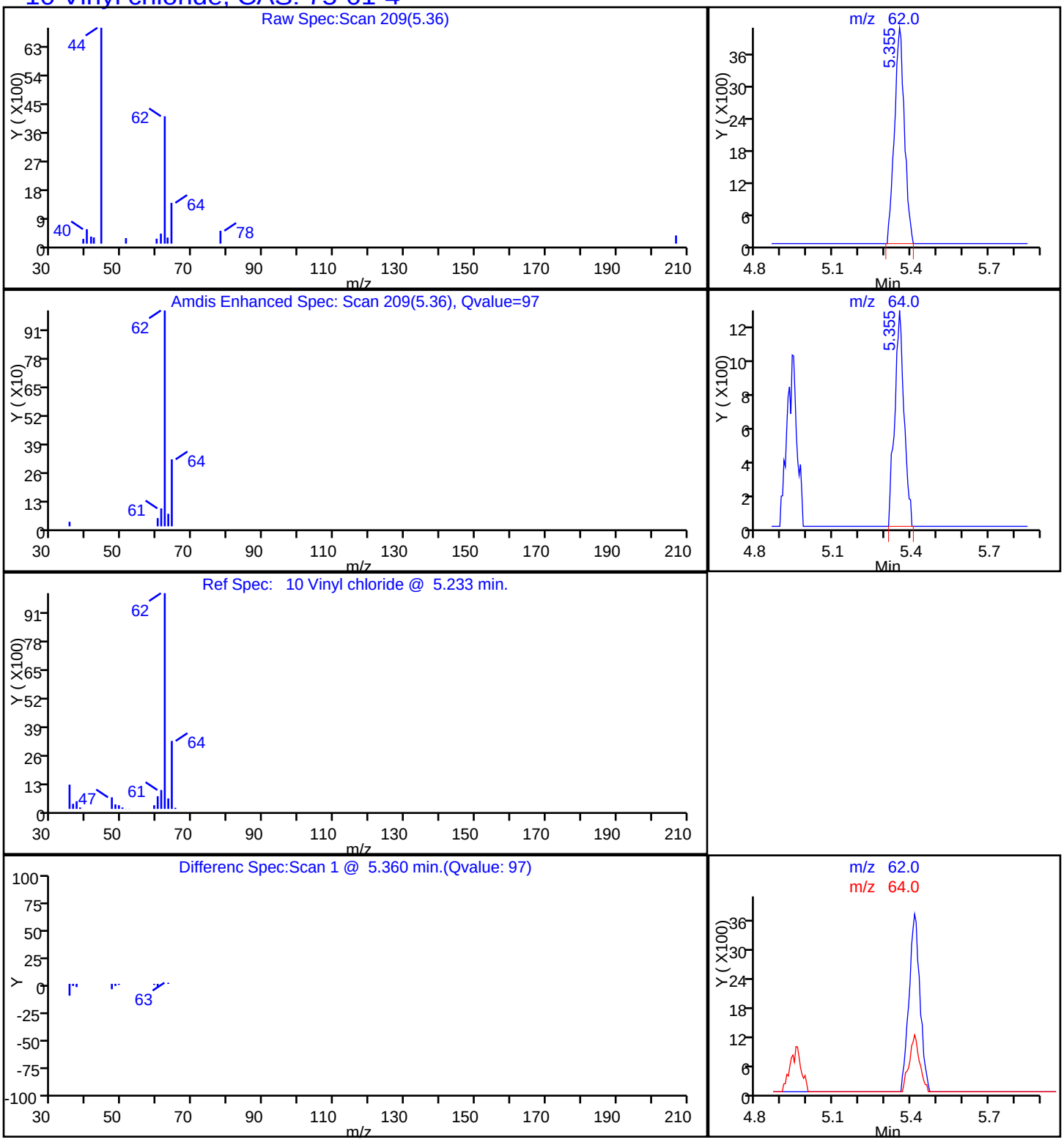
Report Date: 18-Jul-2014 10:22:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

10 Vinyl chloride, CAS: 75-01-4



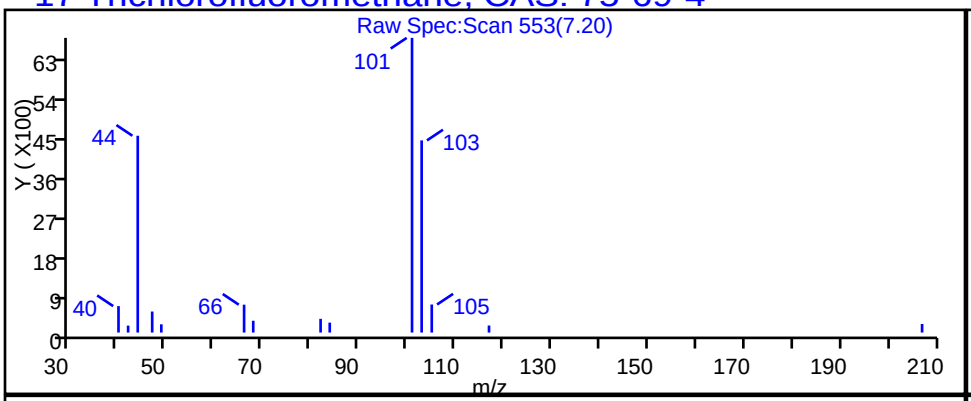
Report Date: 18-Jul-2014 10:22:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

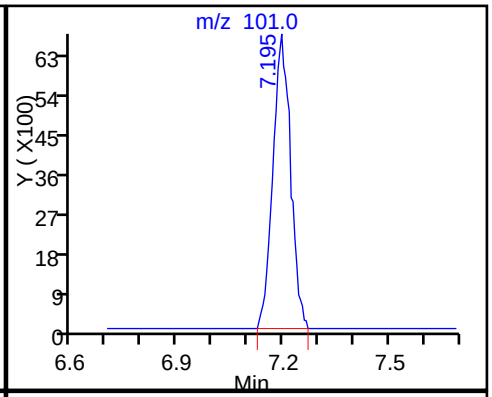
TestAmerica Burlington

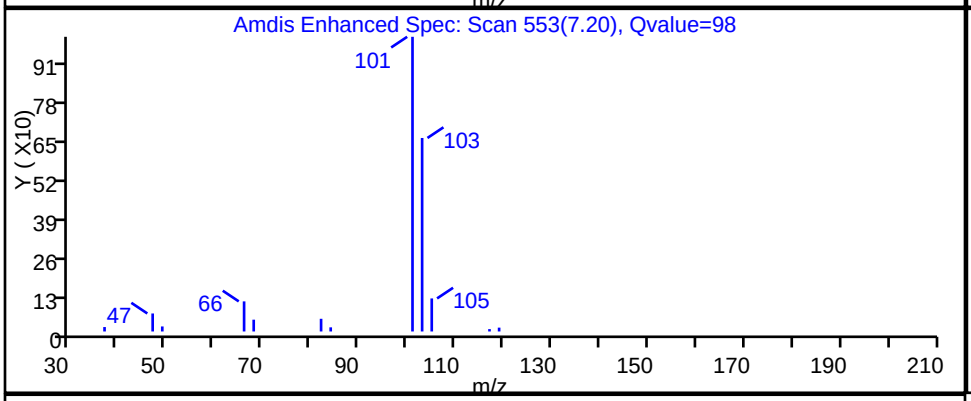
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

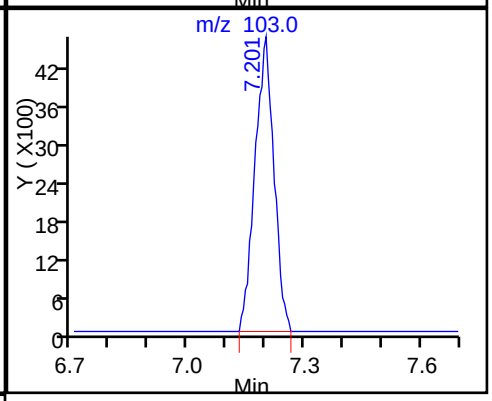
Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

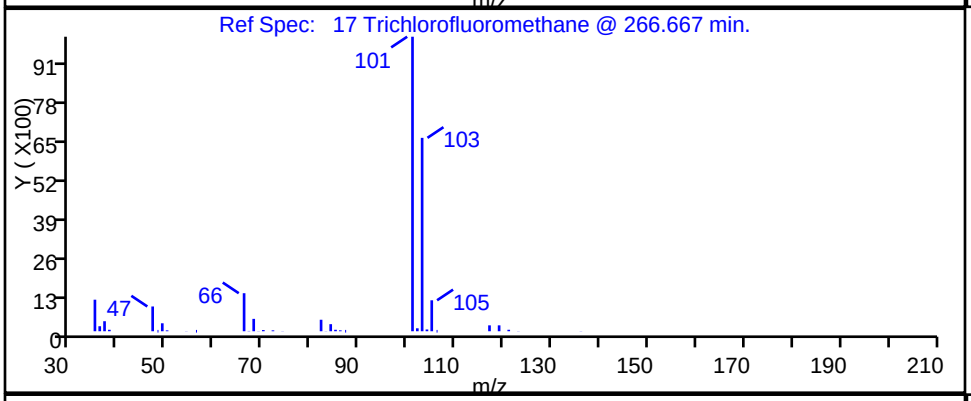
17 Trichlorofluoromethane, CAS: 75-69-4

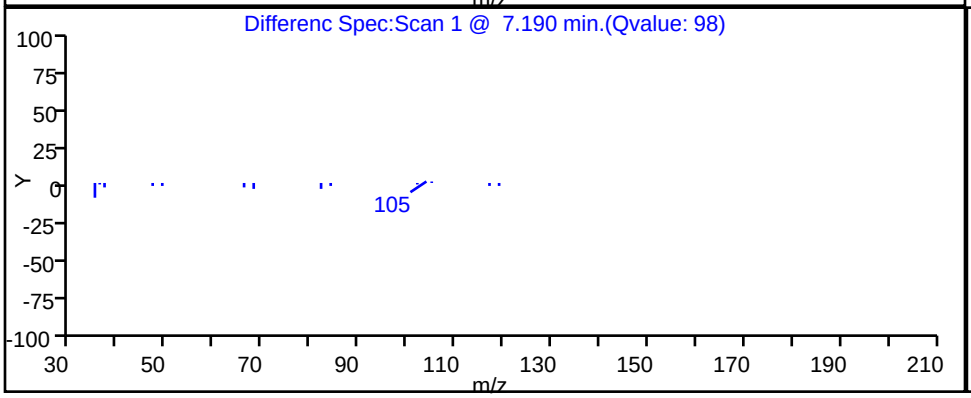


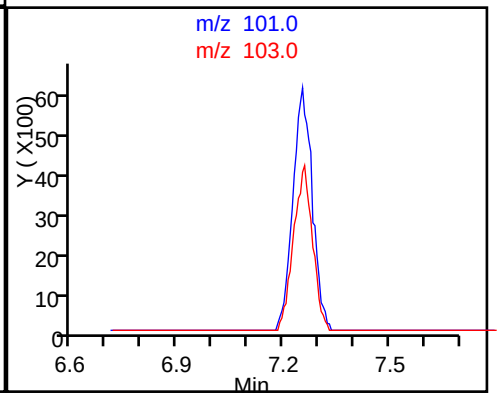












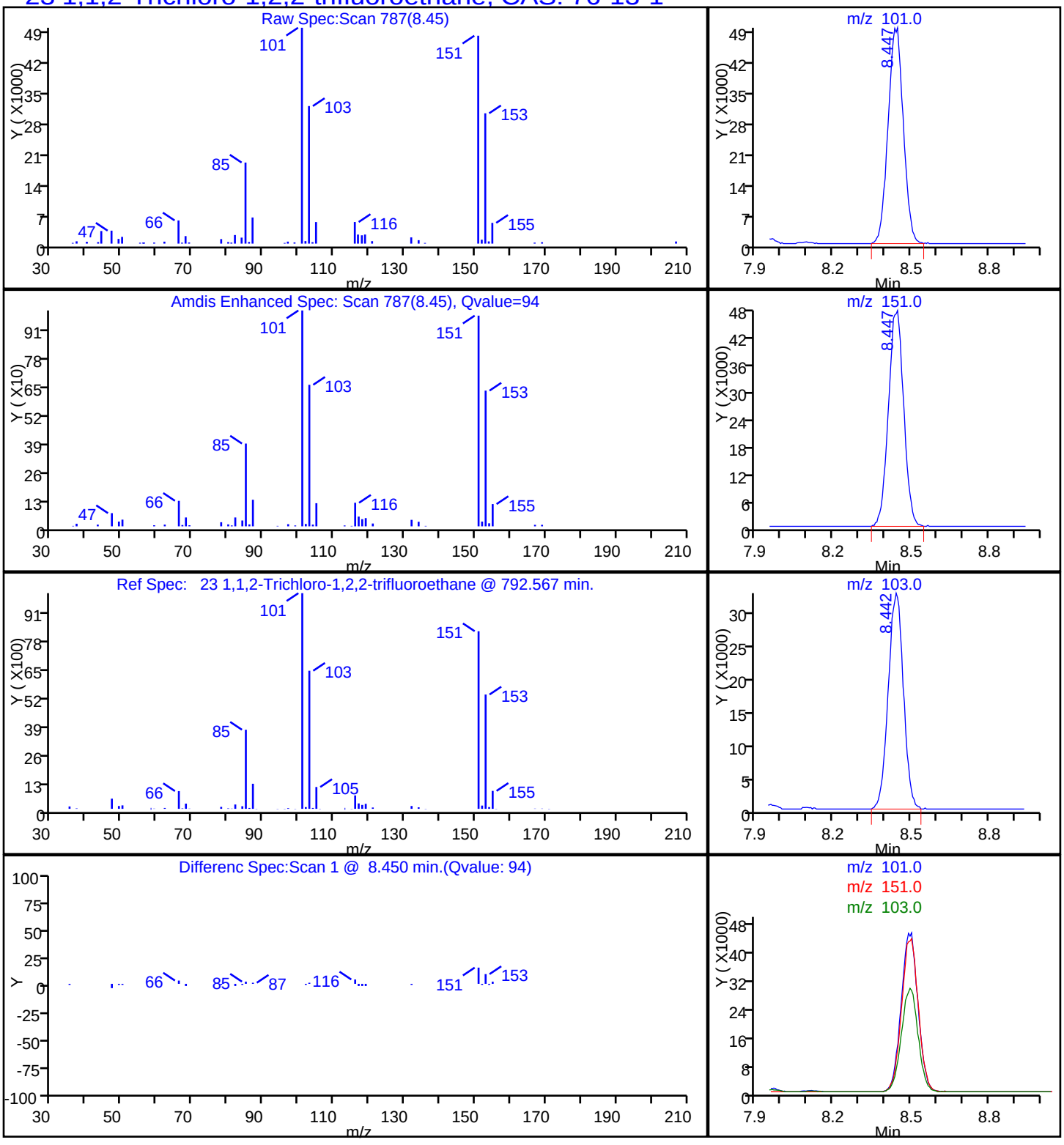
Report Date: 18-Jul-2014 10:22:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



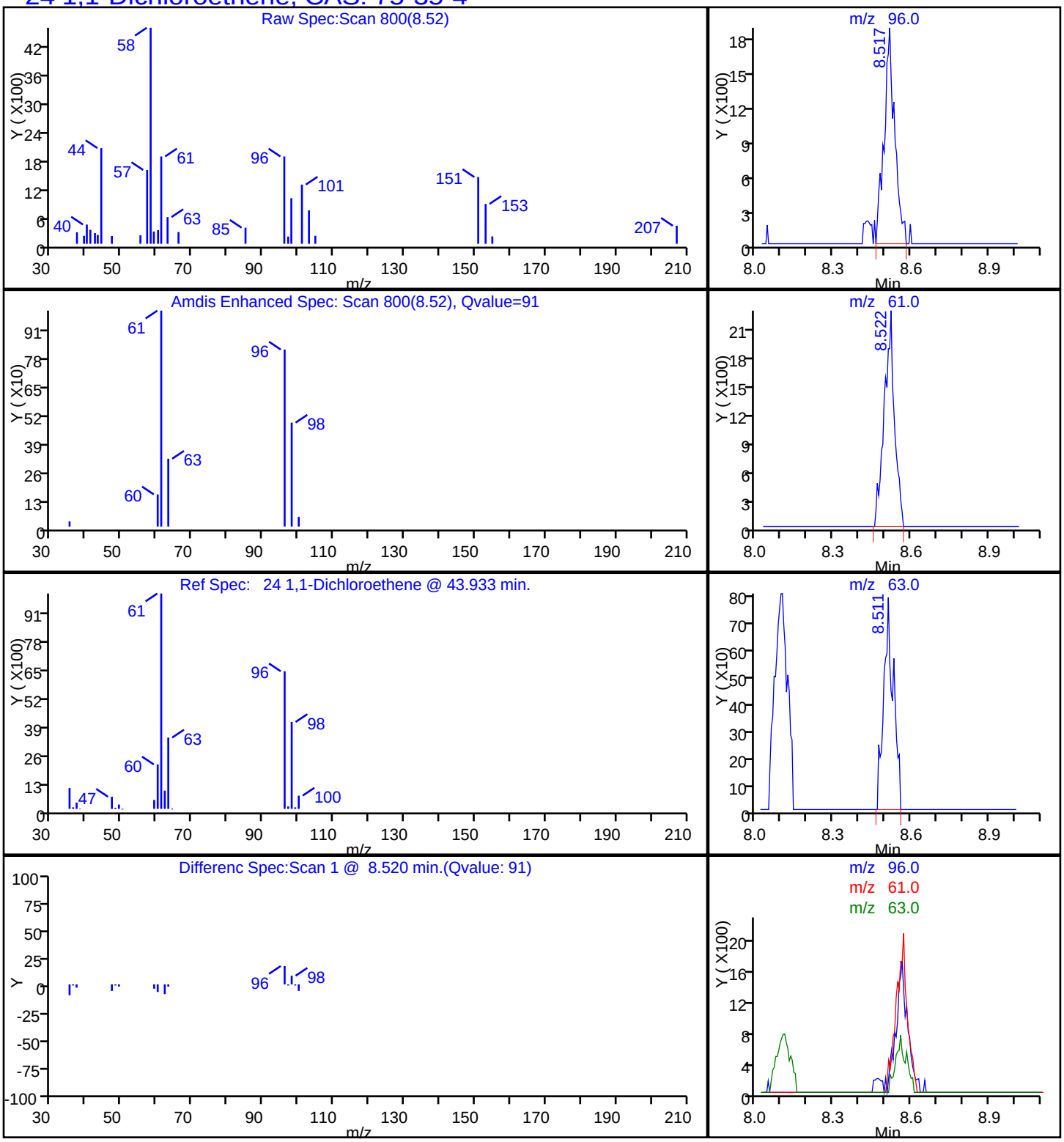
Report Date: 18-Jul-2014 10:22:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 1,1-Dichloroethene, CAS: 75-35-4



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TestAmerica Burlington

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Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
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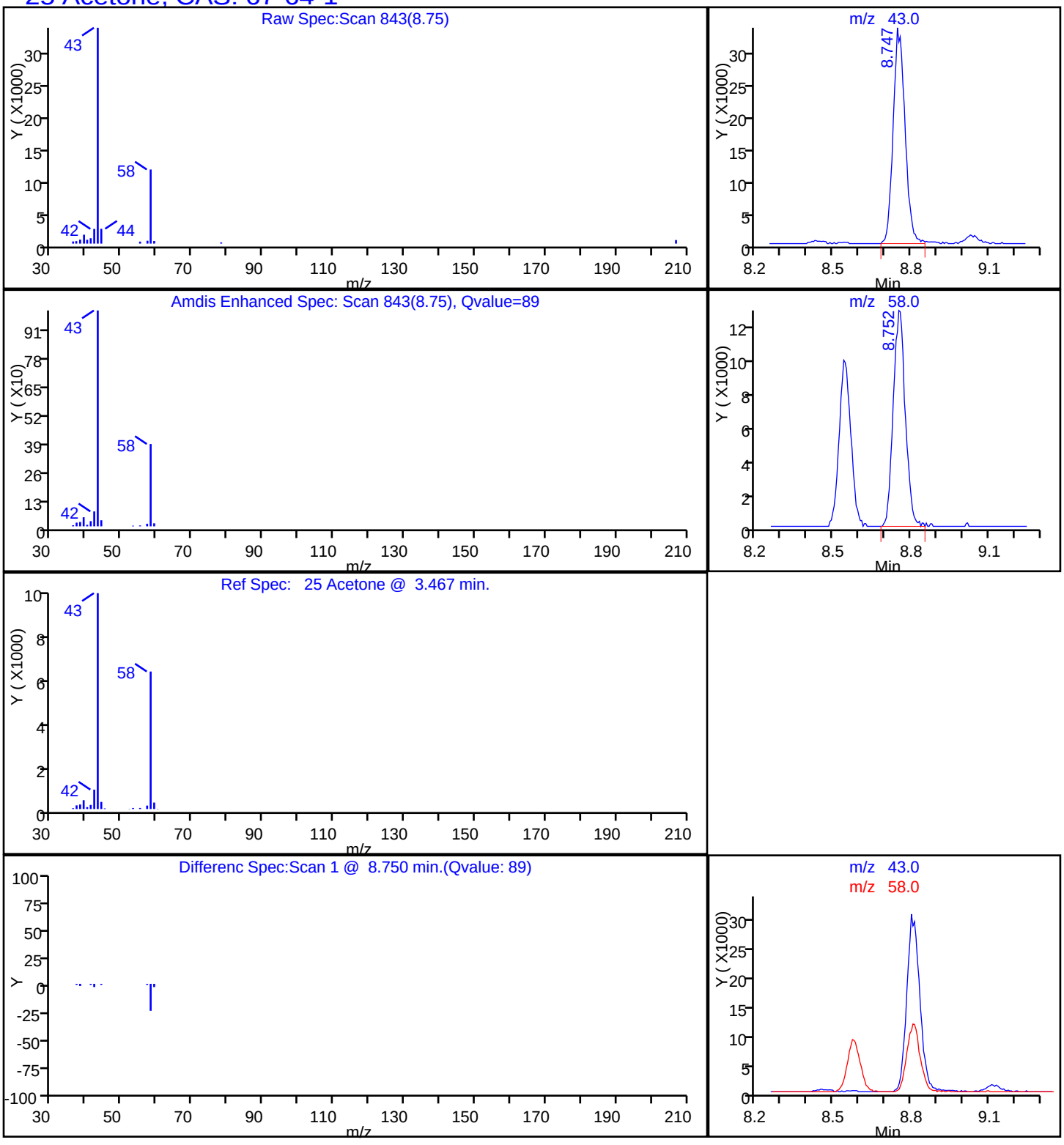
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



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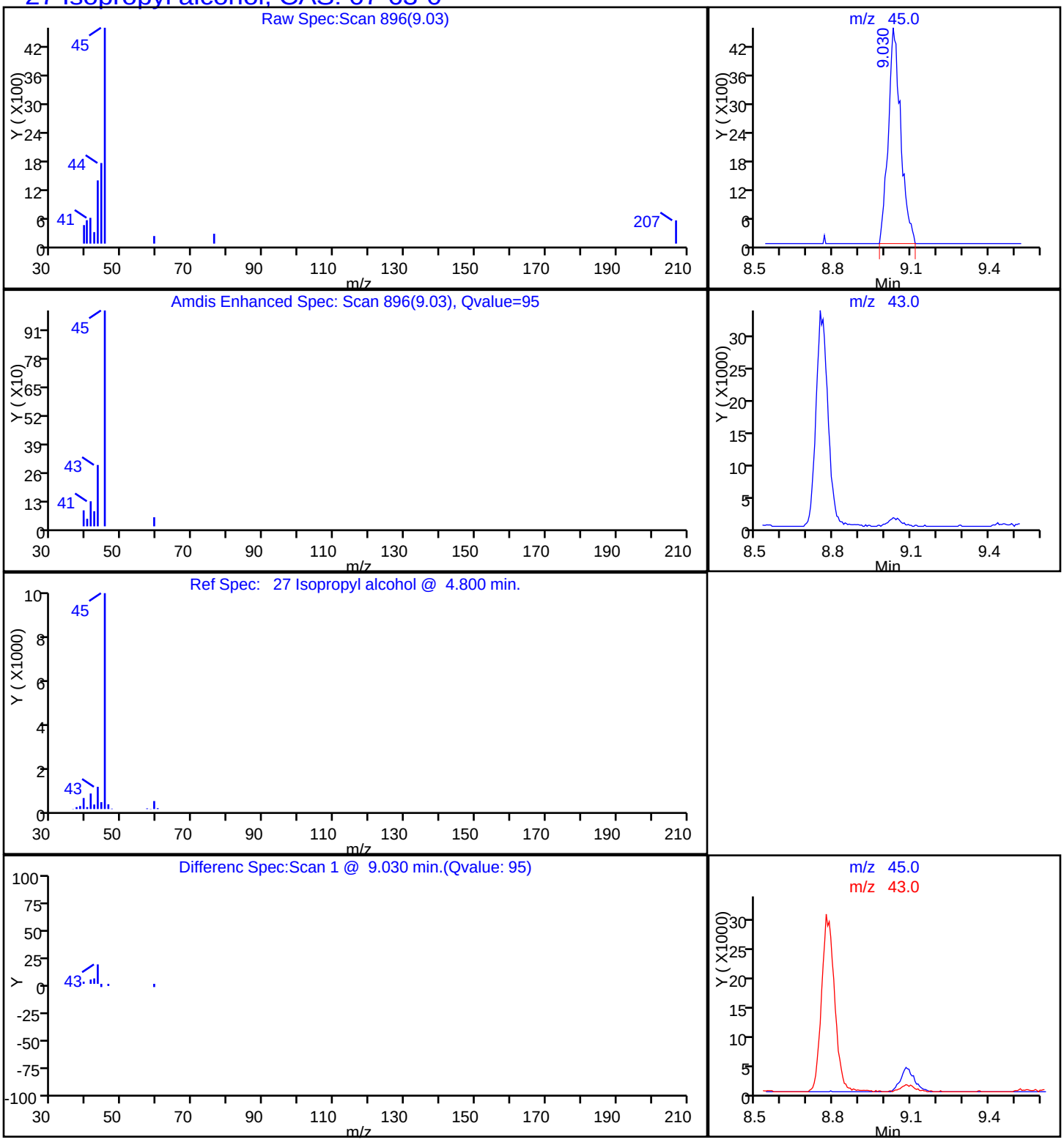
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



Report Date: 18-Jul-2014 10:22:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
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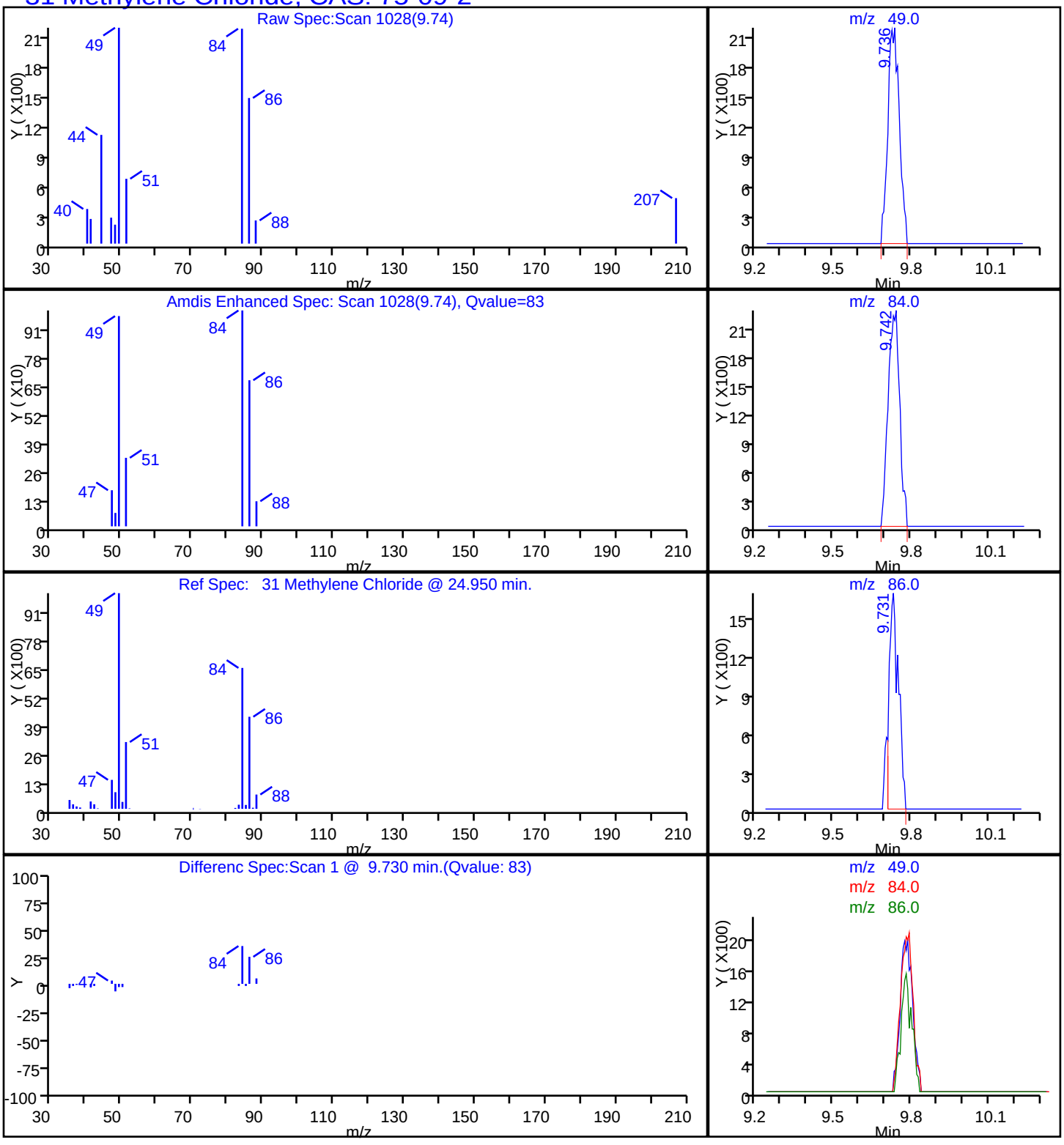
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



Report Date: 18-Jul-2014 10:22:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
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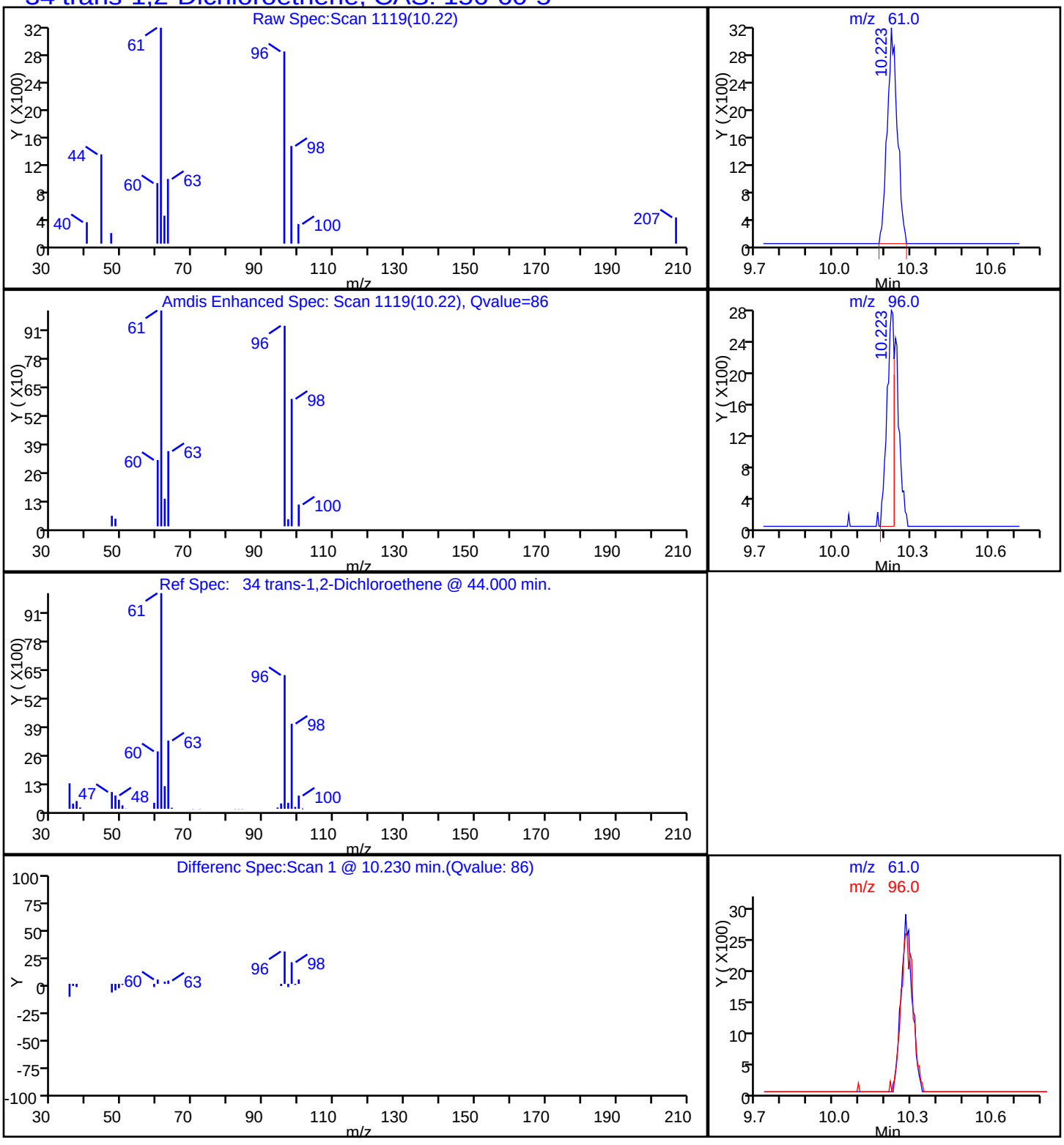
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5



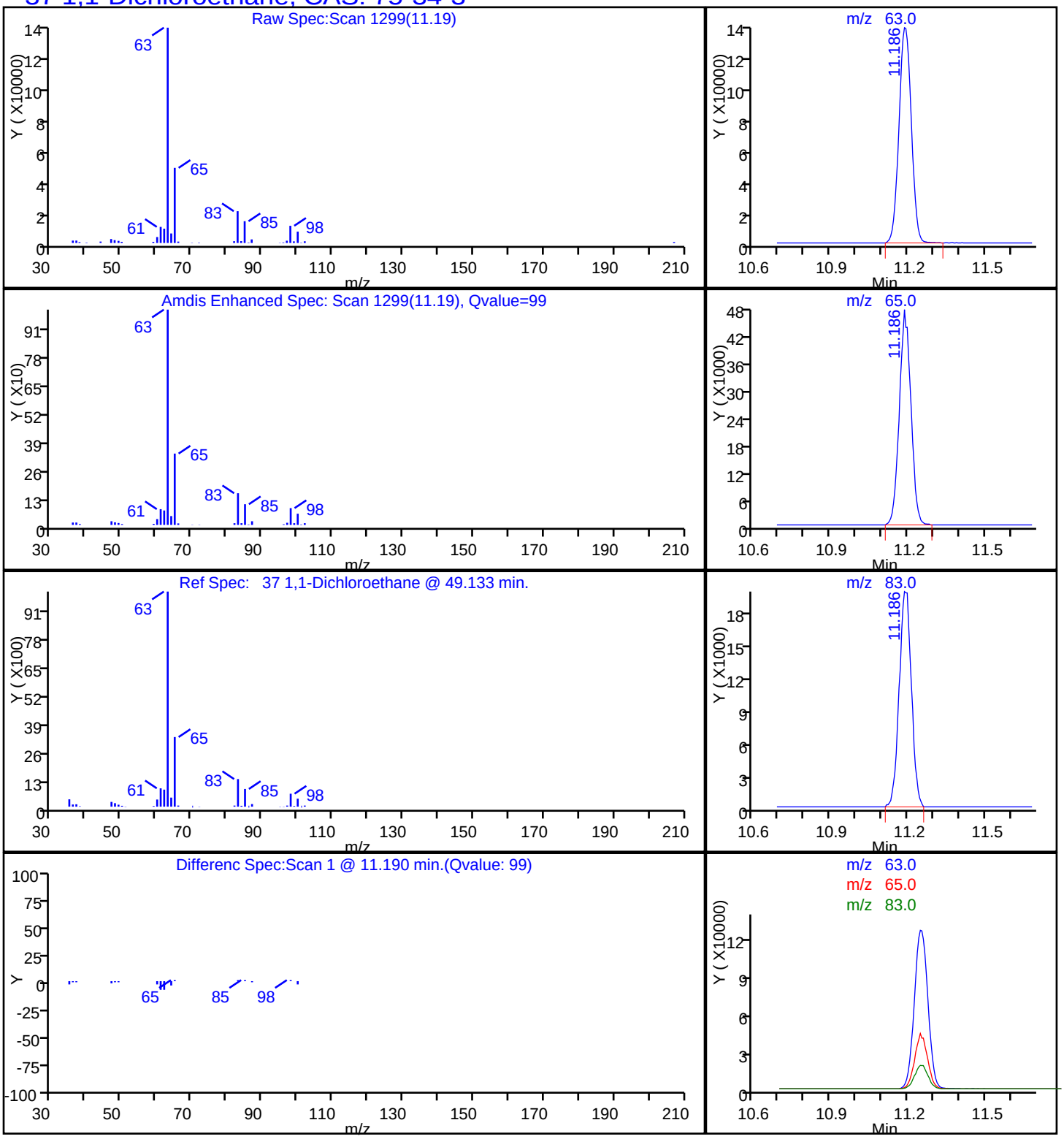
Report Date: 18-Jul-2014 10:22:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



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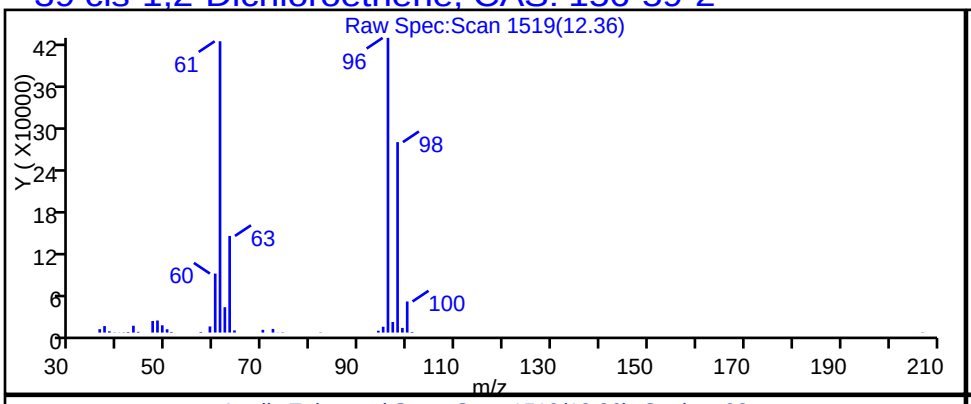
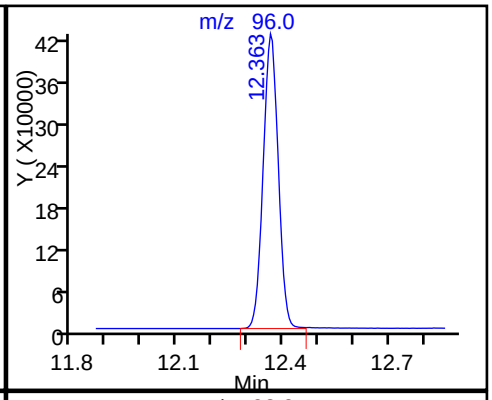
TestAmerica Burlington

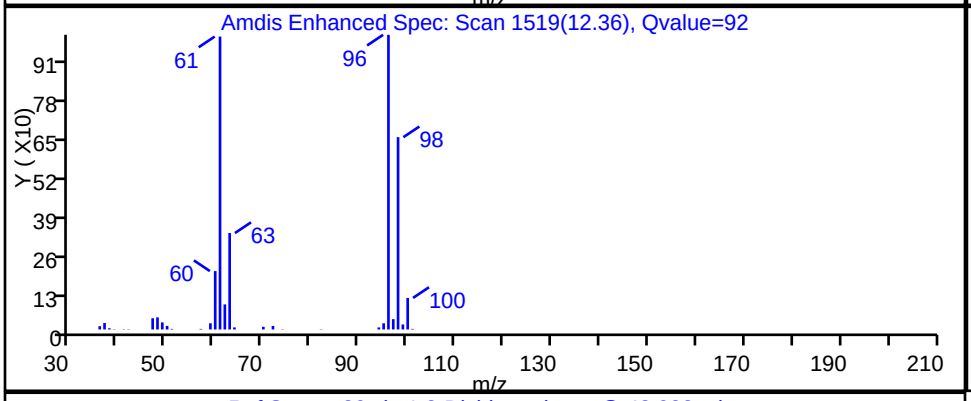
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

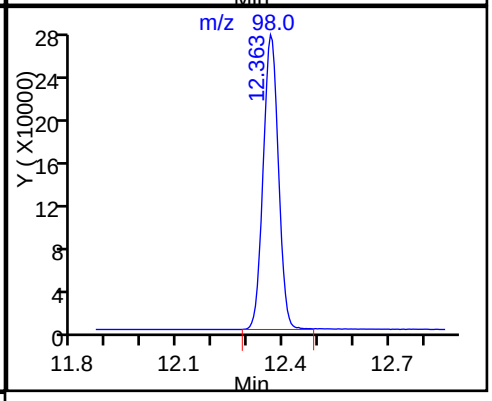
Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

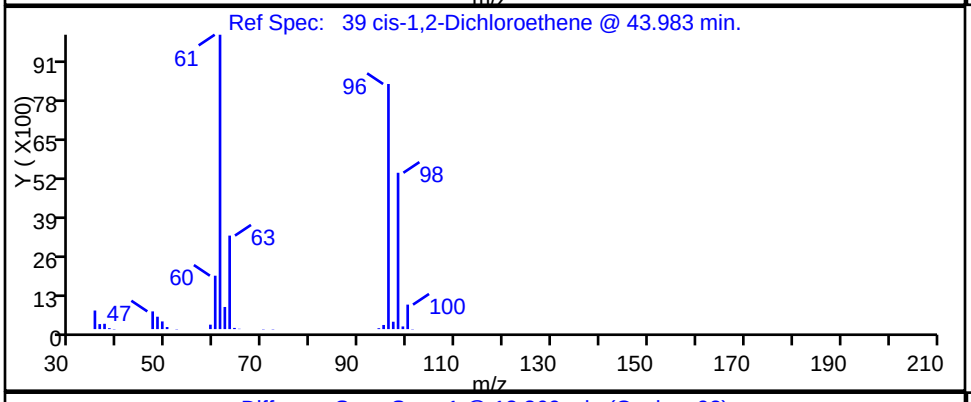
39 cis-1,2-Dichloroethene, CAS: 156-59-2

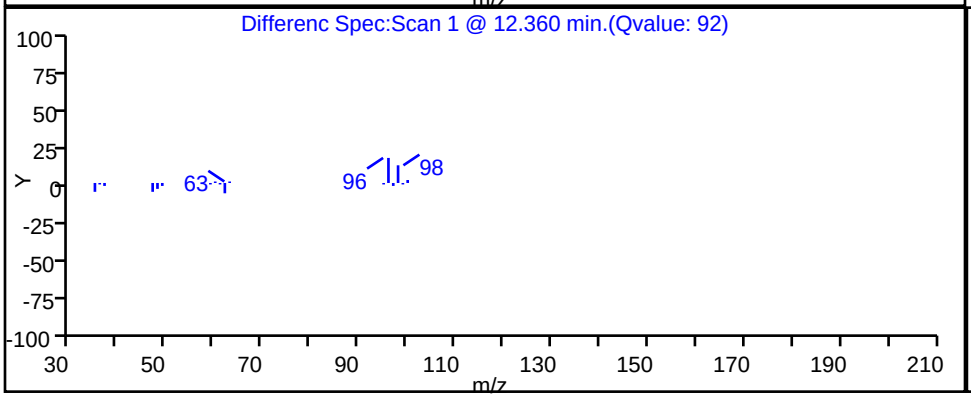


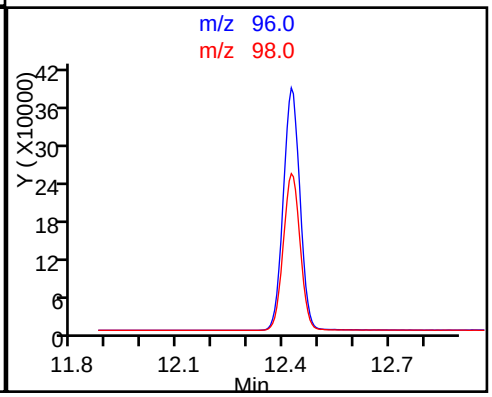












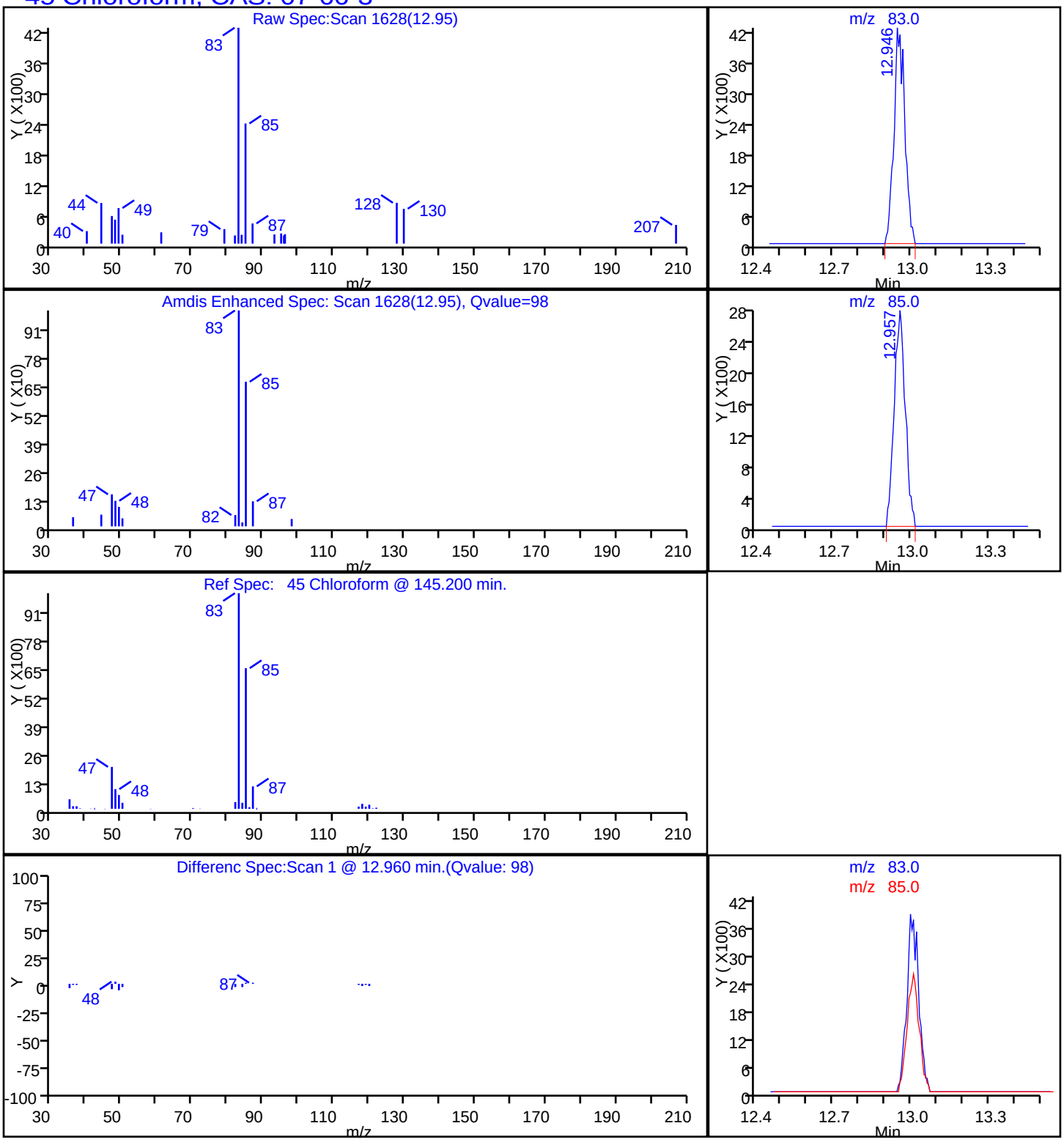
Report Date: 18-Jul-2014 10:22:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2
Client ID:	GCTS MID CARBON		
Operator ID:	bl	ALS Bottle#:	9 Worklist Smp#: 26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

45 Chloroform, CAS: 67-66-3



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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

Injection Date: 18-Jul-2014 08:48:30 Instrument ID: CHW.i

Lims ID: 200-23187-A-2 Lab Sample ID: 200-23187-2

Client ID: GCTS MID CARBON

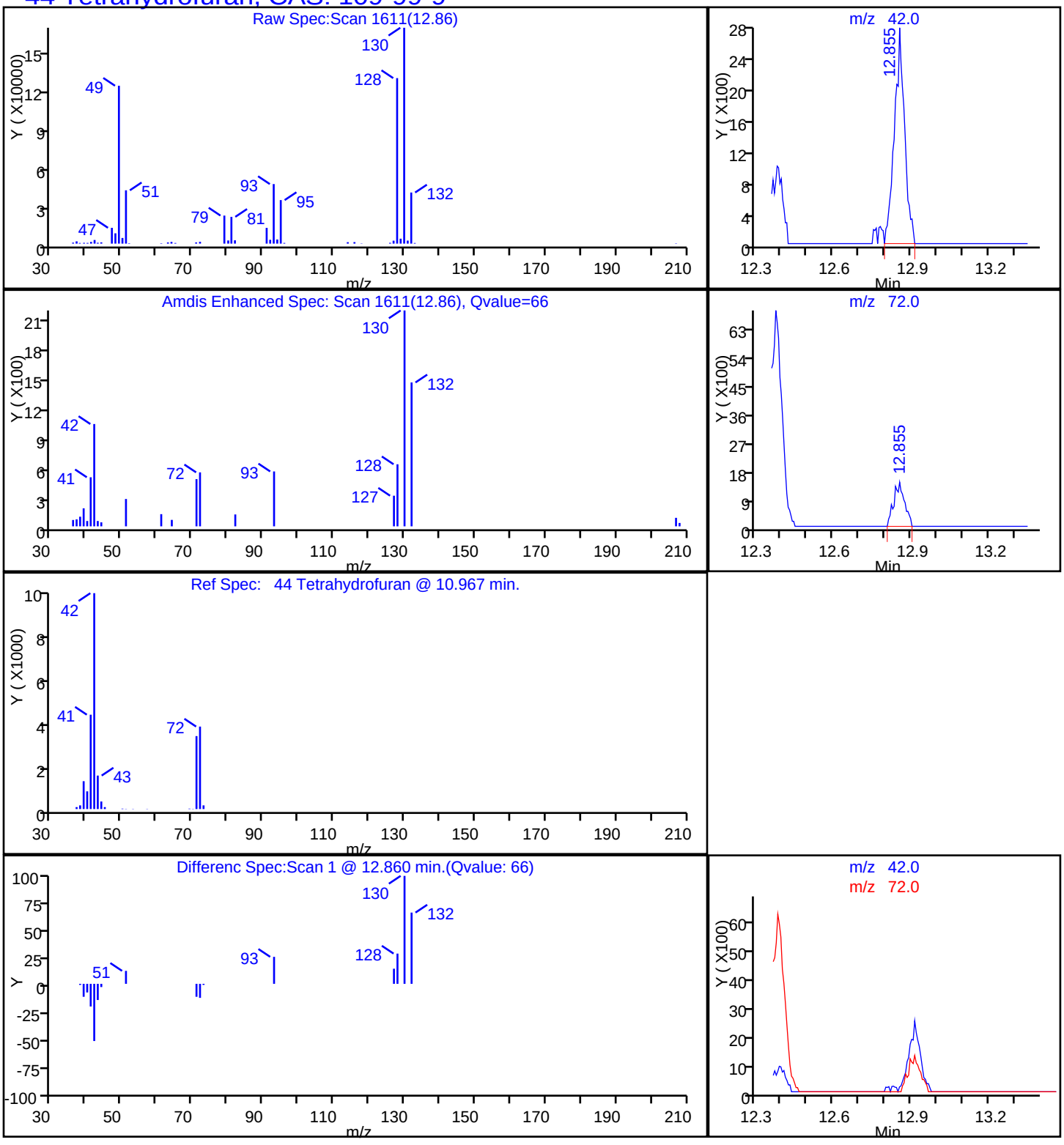
Operator ID: bl ALS Bottle#: 9 Worklist Smp#: 26

Purge Vol: 200.000 mL Dil. Factor: 2.0000

Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

44 Tetrahydrofuran, CAS: 109-99-9



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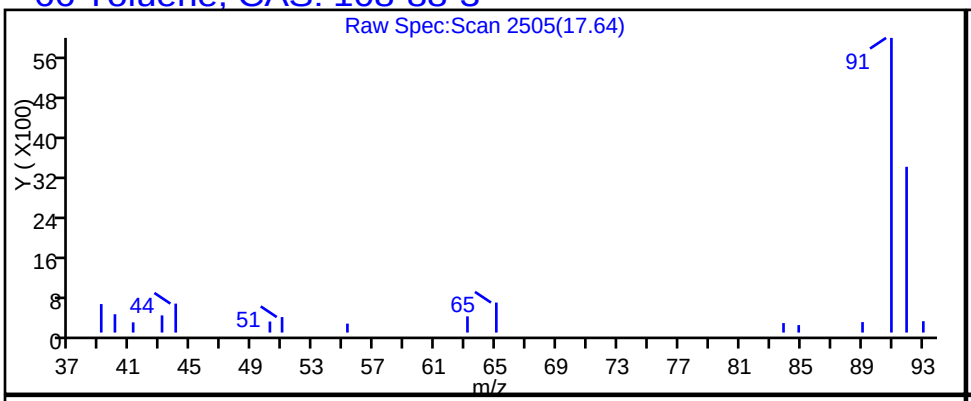
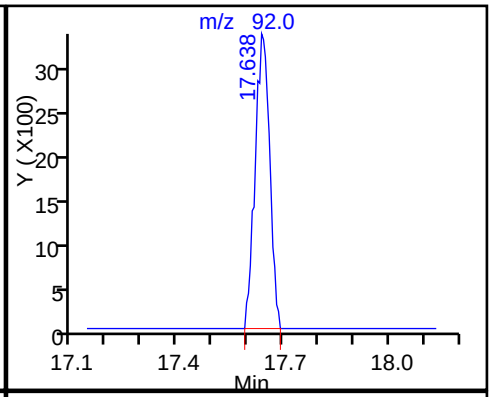
TestAmerica Burlington

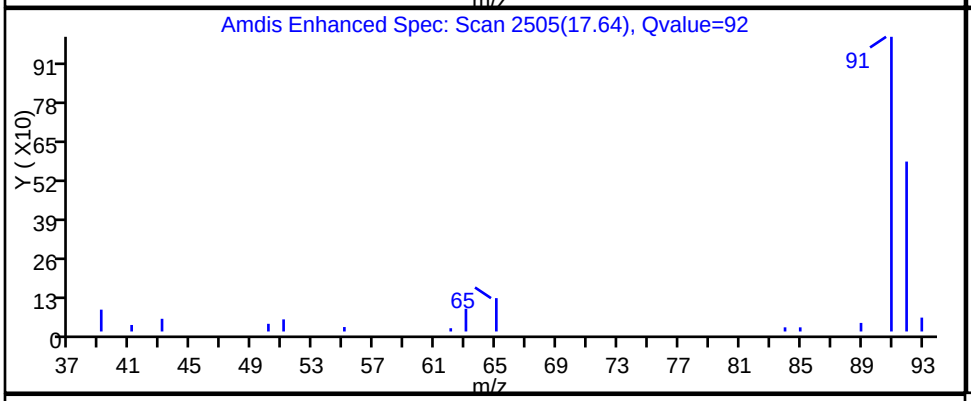
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

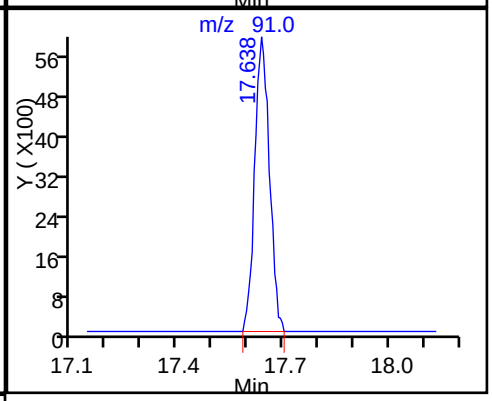
Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

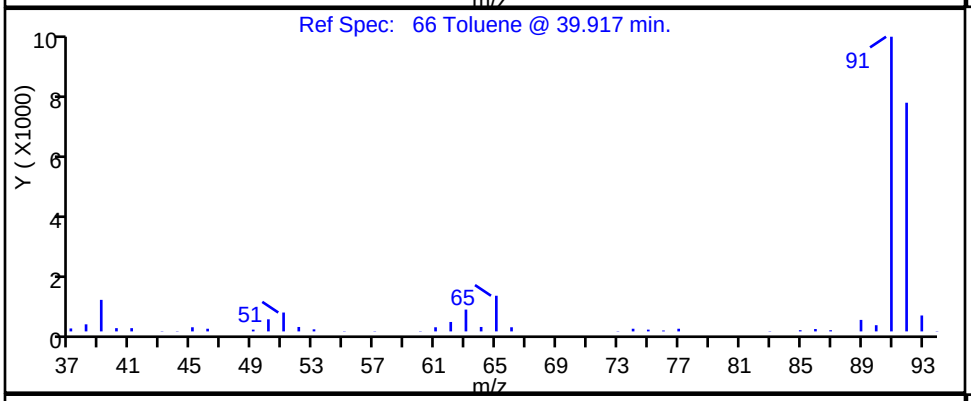
66 Toluene, CAS: 108-88-3

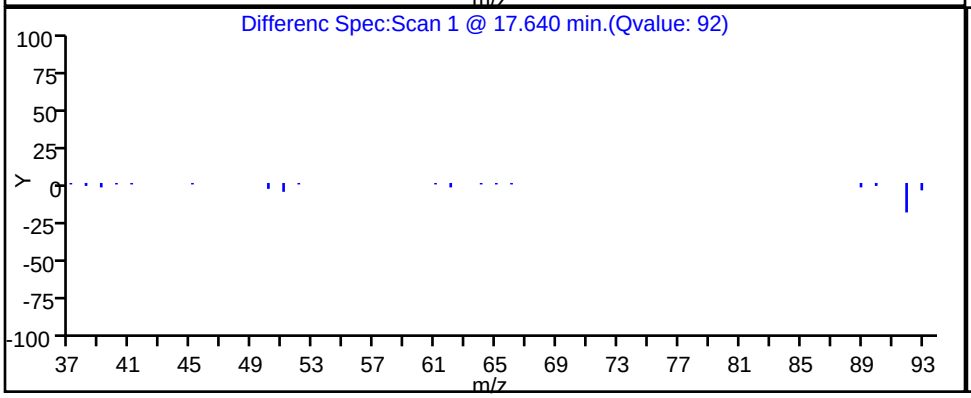


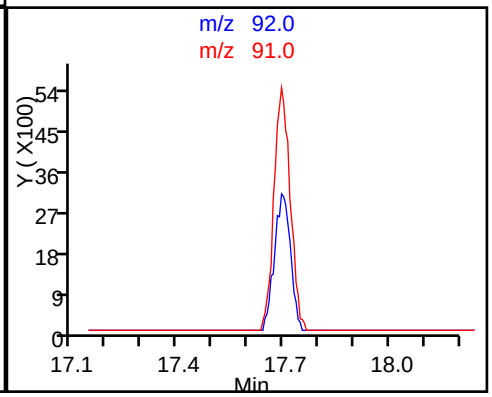












Report Date: 18-Jul-2014 10:22:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

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Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
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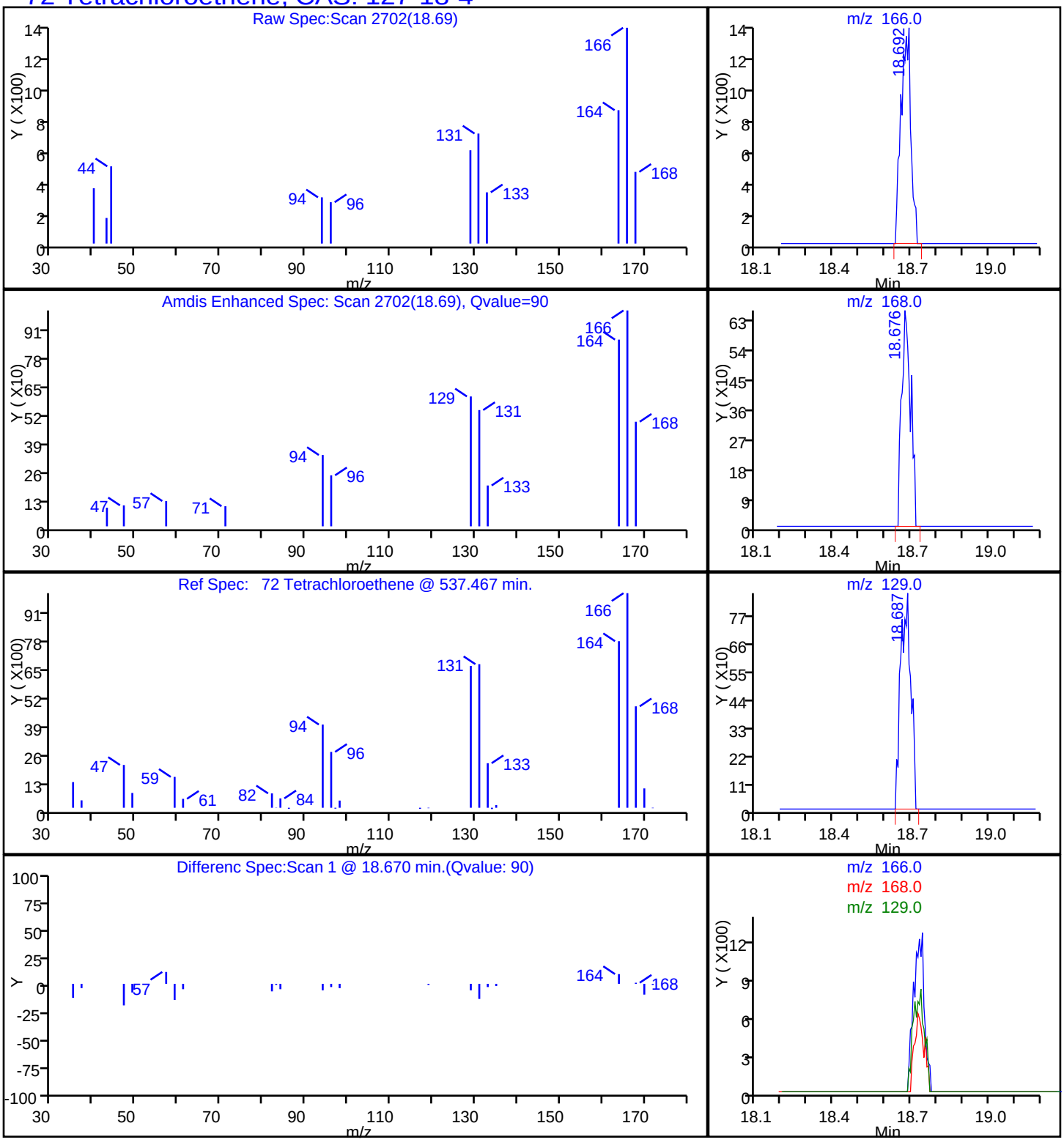
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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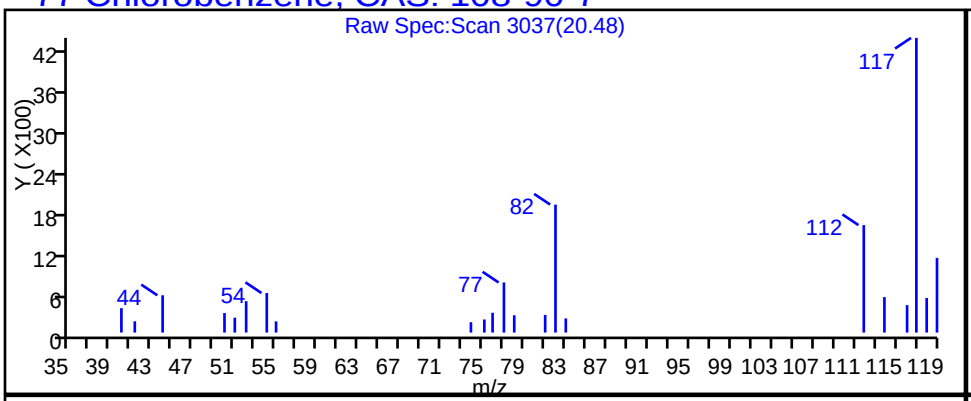
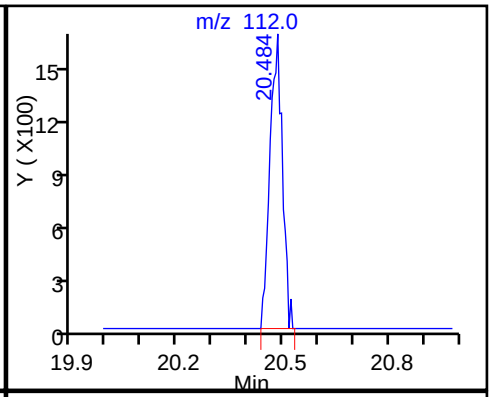
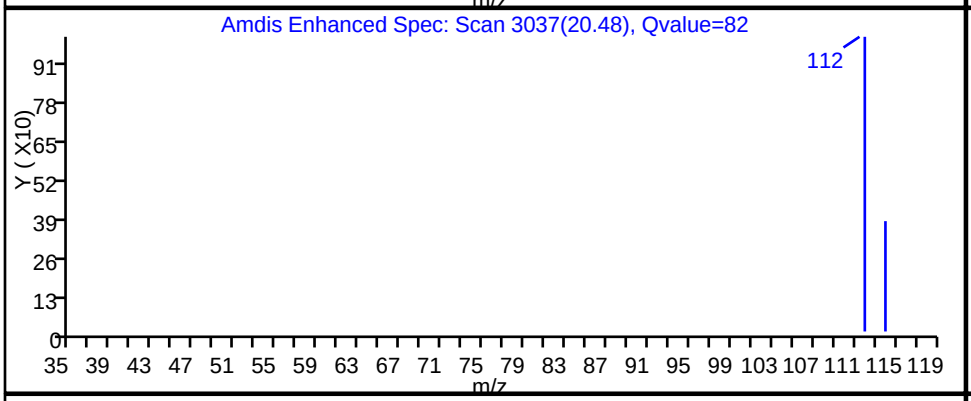
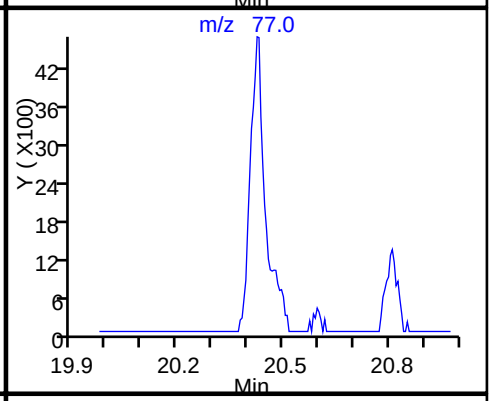
Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

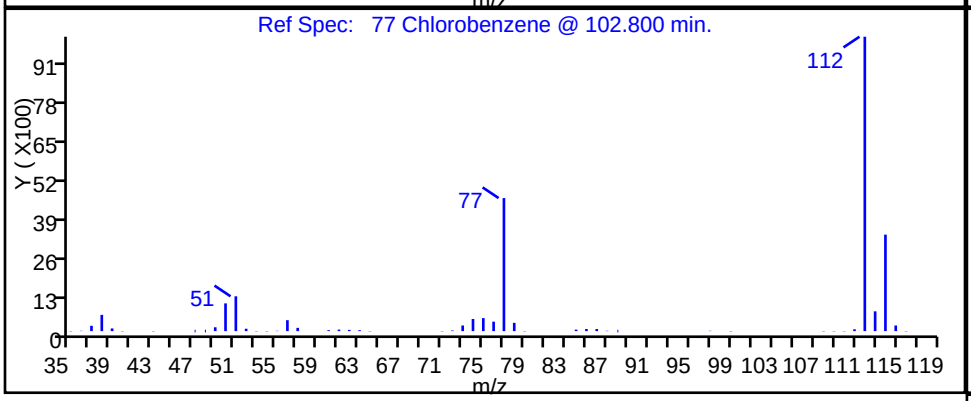
77 Chlorobenzene, CAS: 108-90-7

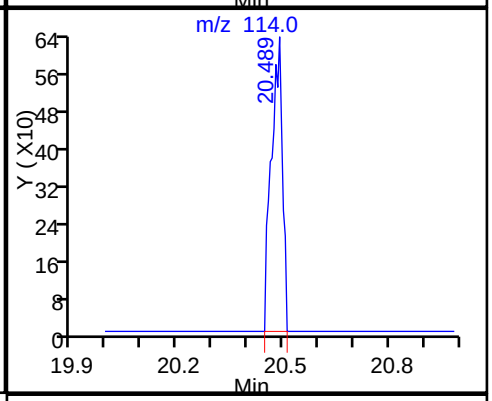


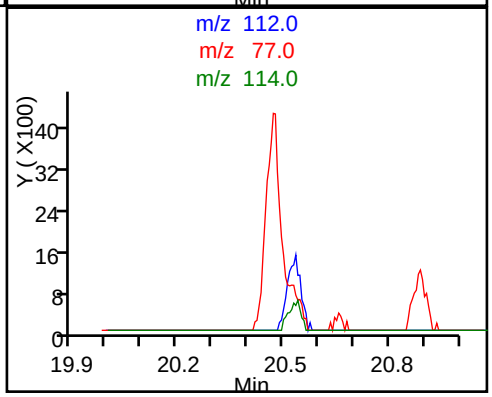












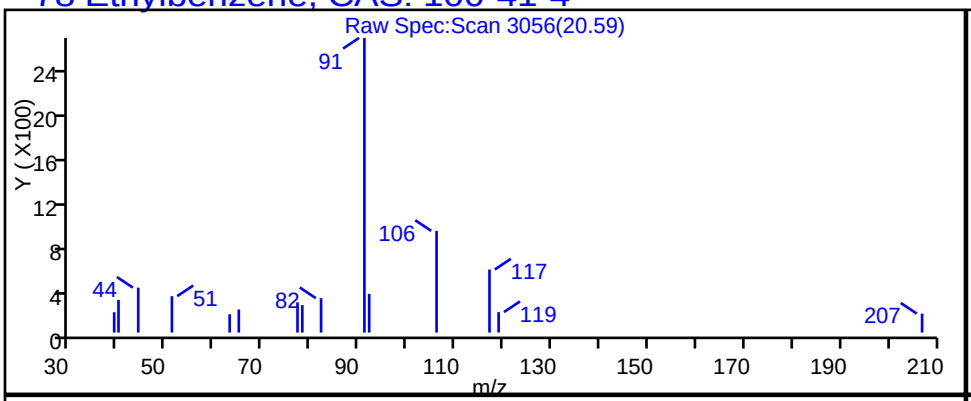
Report Date: 18-Jul-2014 10:22:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

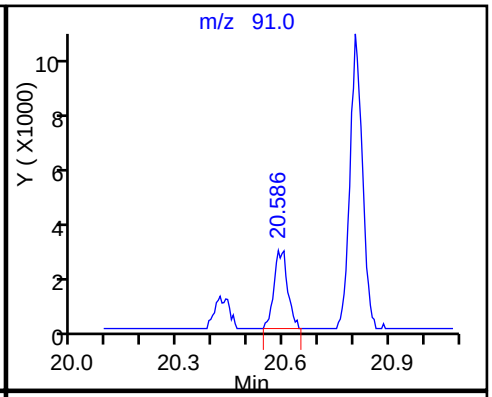
TestAmerica Burlington

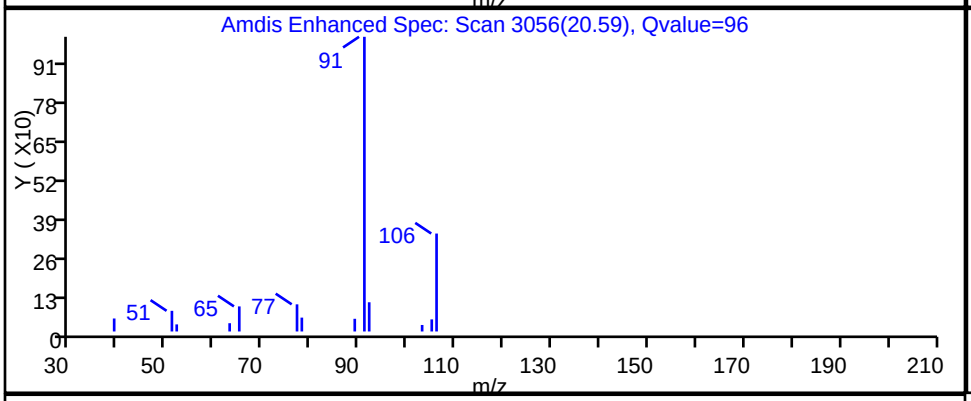
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

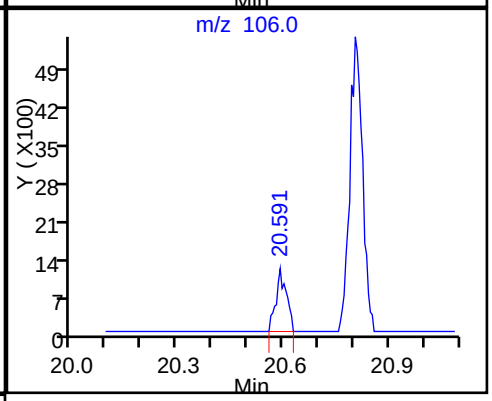
Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

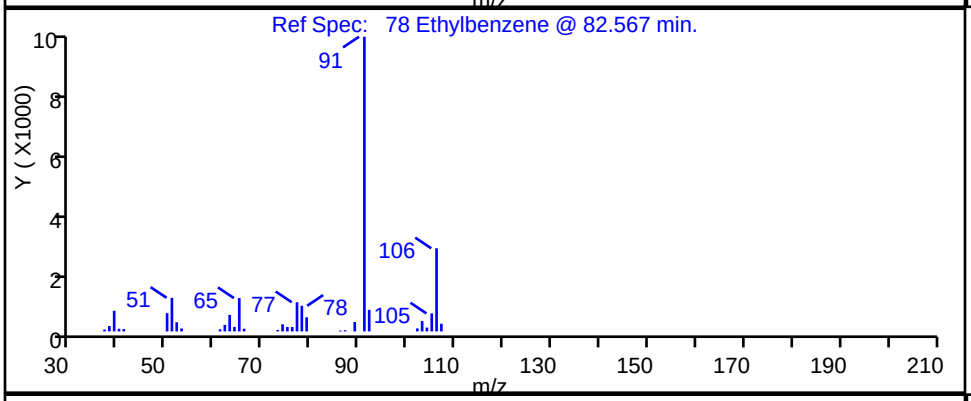
78 Ethylbenzene, CAS: 100-41-4

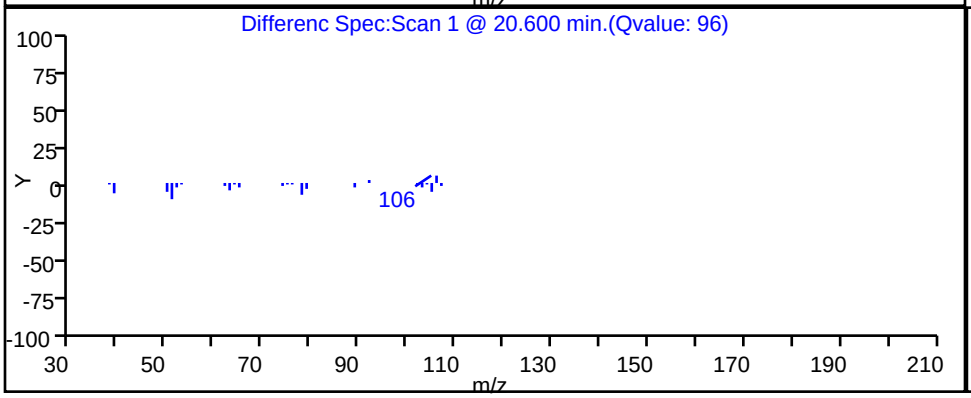


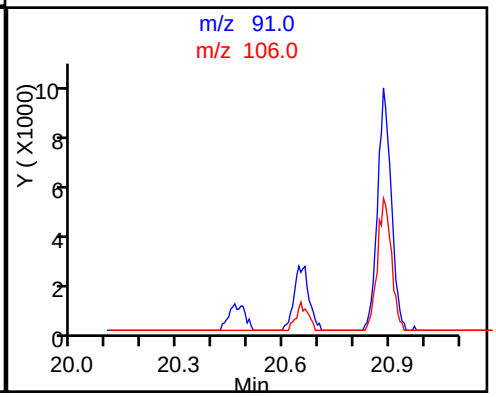










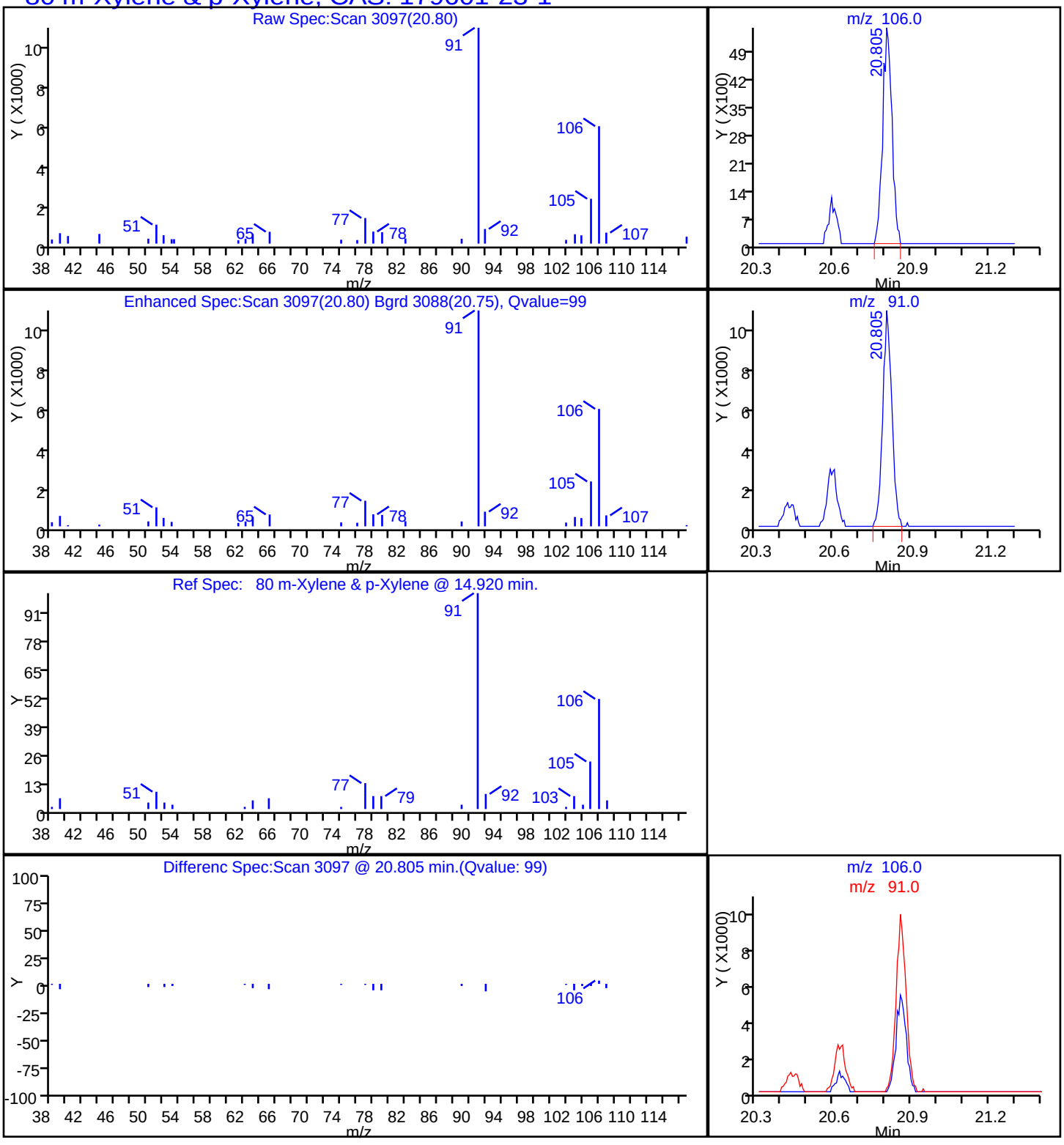


Report Date: 18-Jul-2014 10:22:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d				
Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



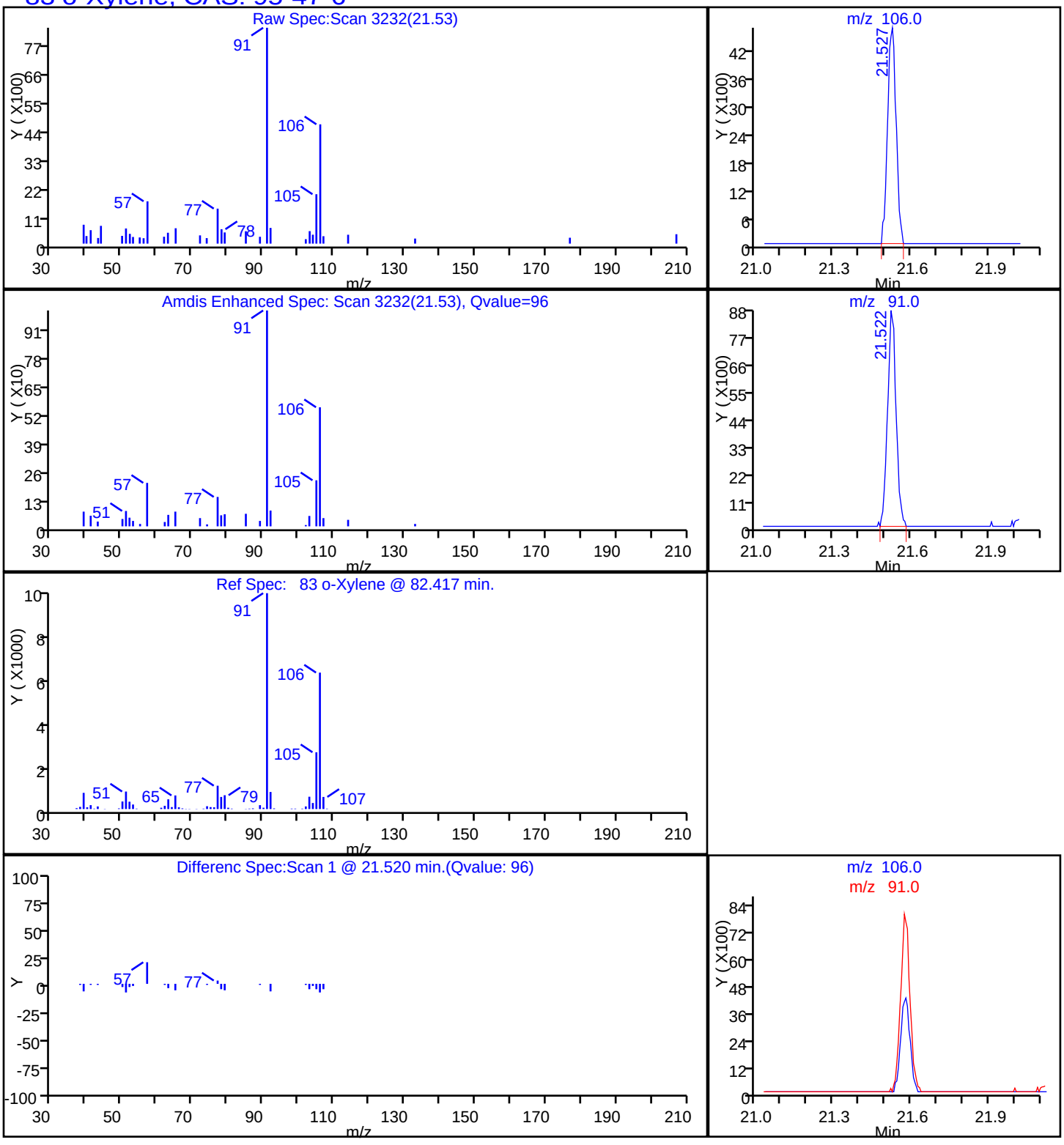
Report Date: 18-Jul-2014 10:22:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



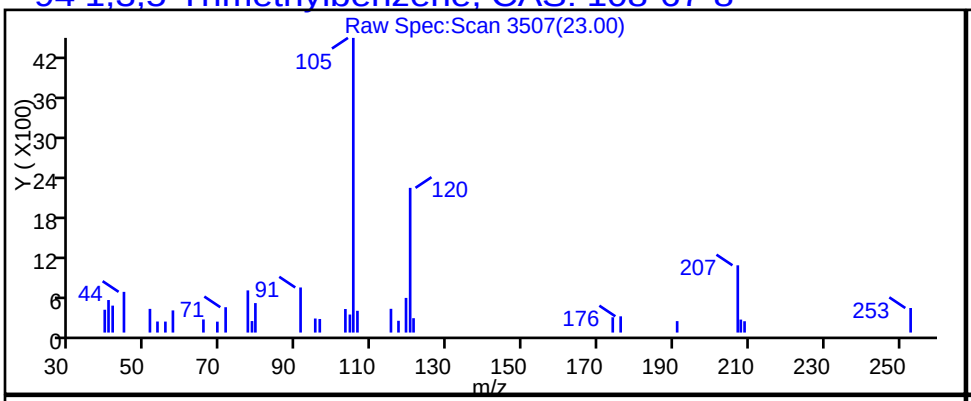
Report Date: 18-Jul-2014 10:22:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

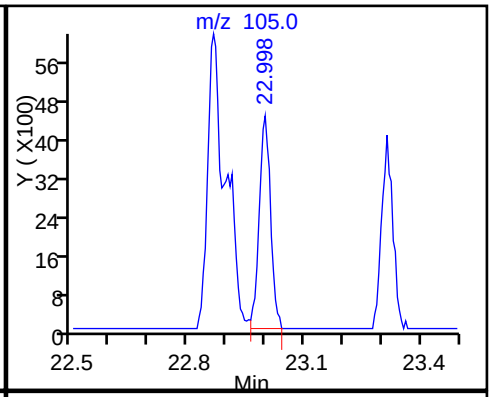
TestAmerica Burlington

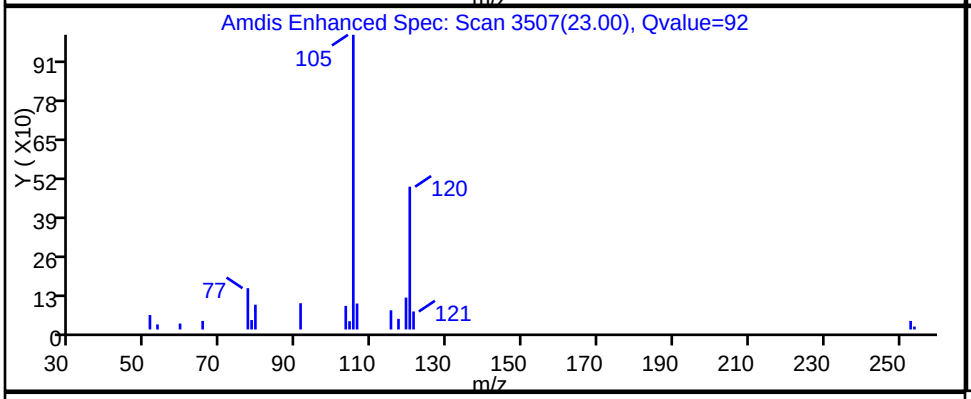
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

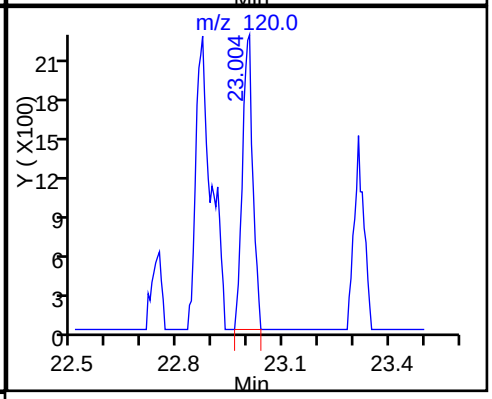
Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2
Client ID:	GCTS MID CARBON		
Operator ID:	bl	ALS Bottle#:	9 Worklist Smp#: 26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

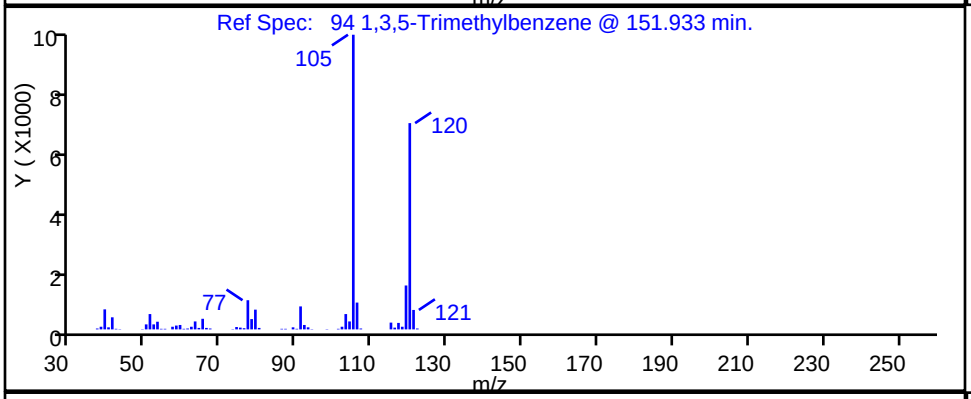
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

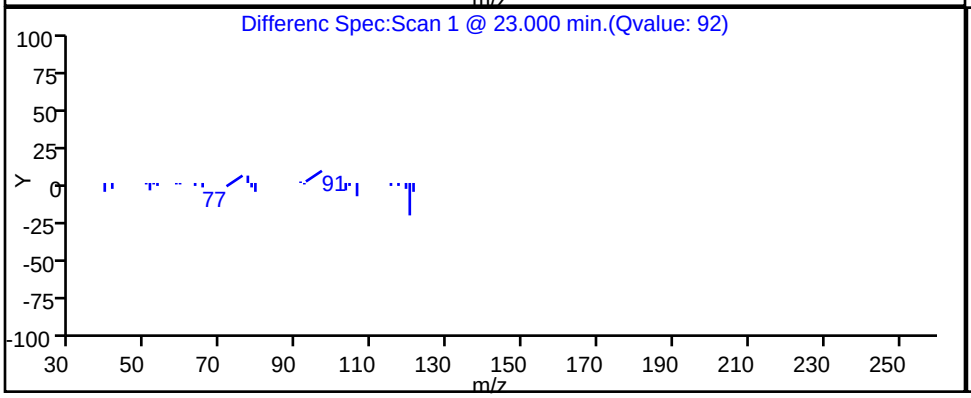


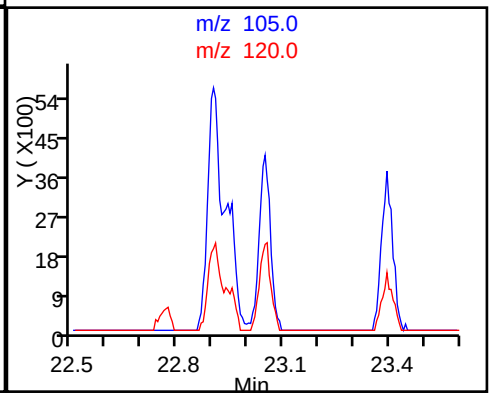












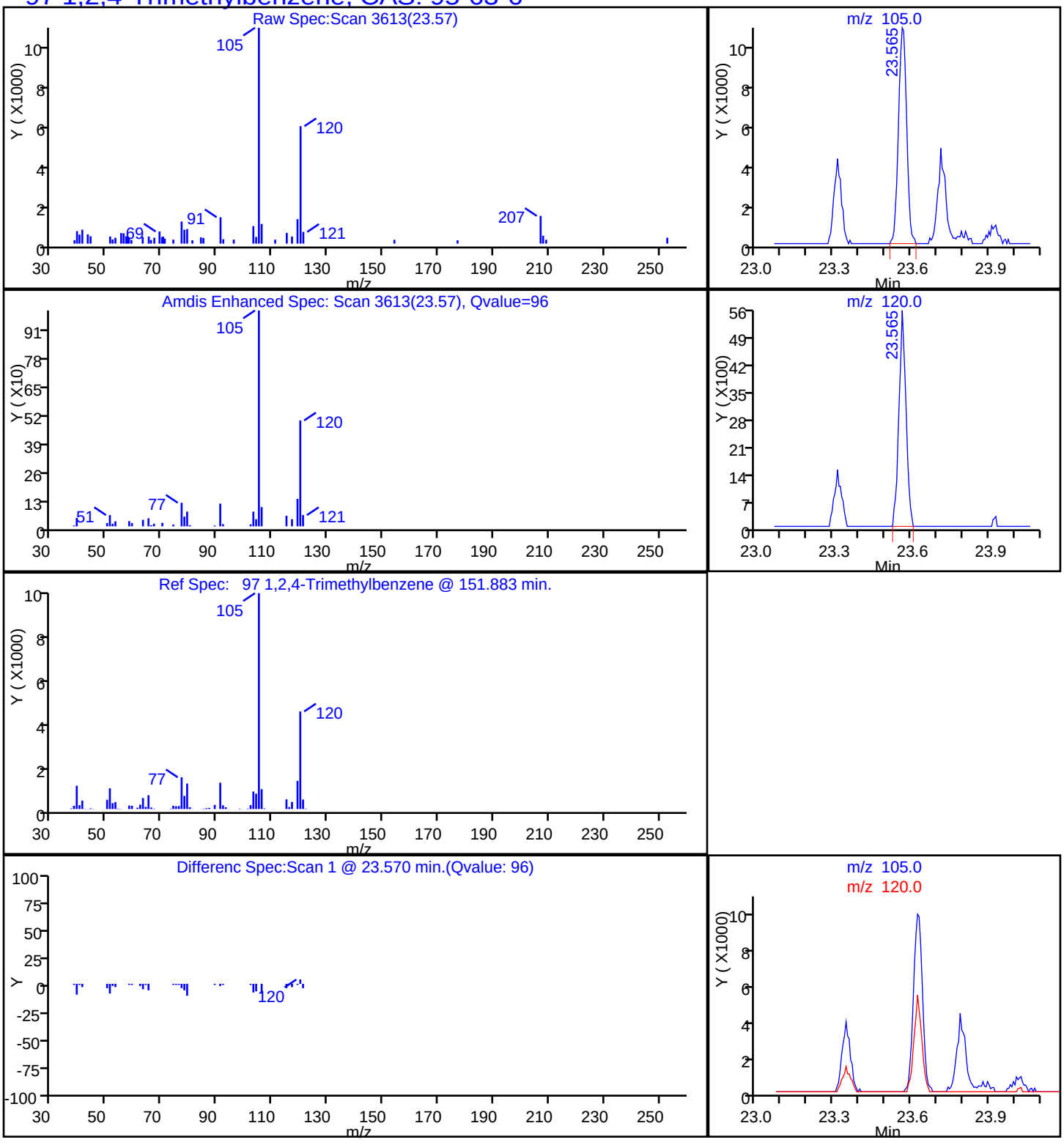
Report Date: 18-Jul-2014 10:22:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d

Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 1,2,4-Trimethylbenzene, CAS: 95-63-6



Manual Integration/User Assign Peak Report

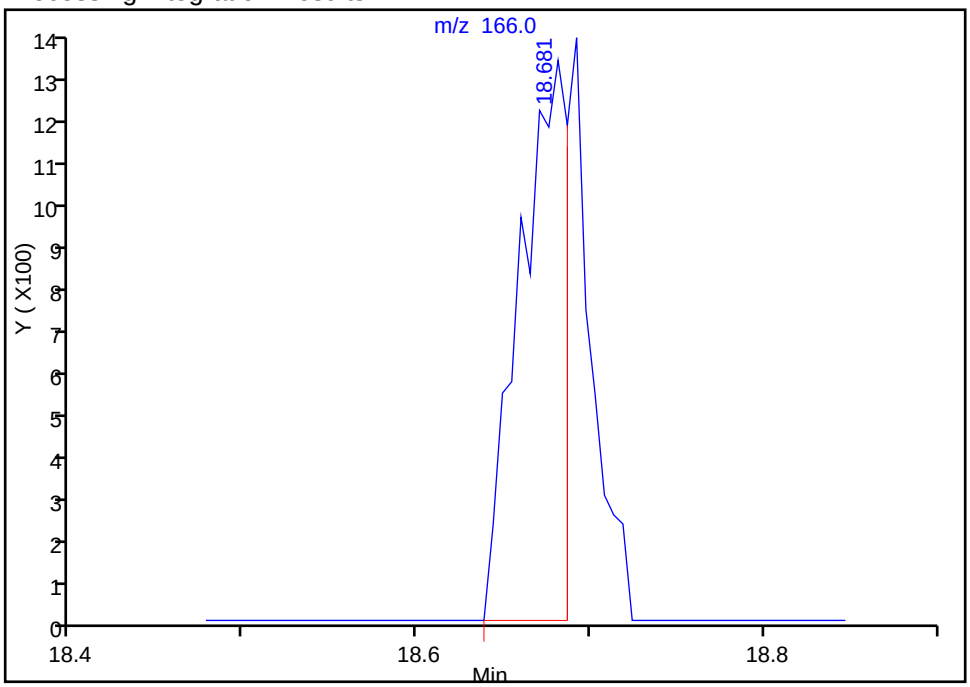
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d				
Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

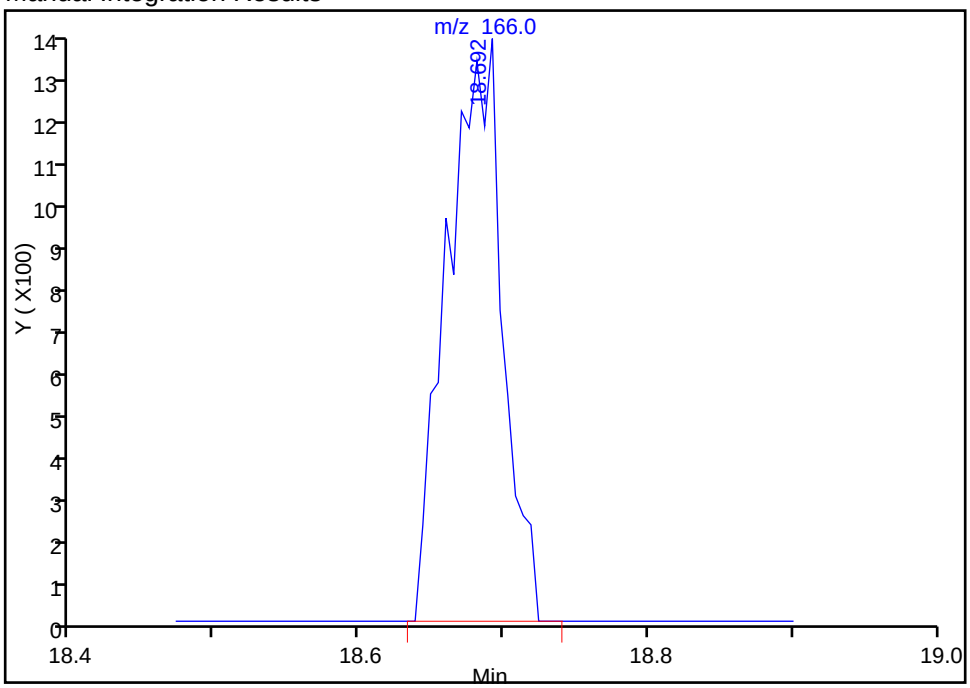
Processing Integration Results

RT: 18.68
Response: 2469
Amount: 0.018687



Manual Integration Results

RT: 18.69
Response: 3529
Amount: 0.026710



Reviewer: lyonsb, 18-Jul-2014 10:21:55
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

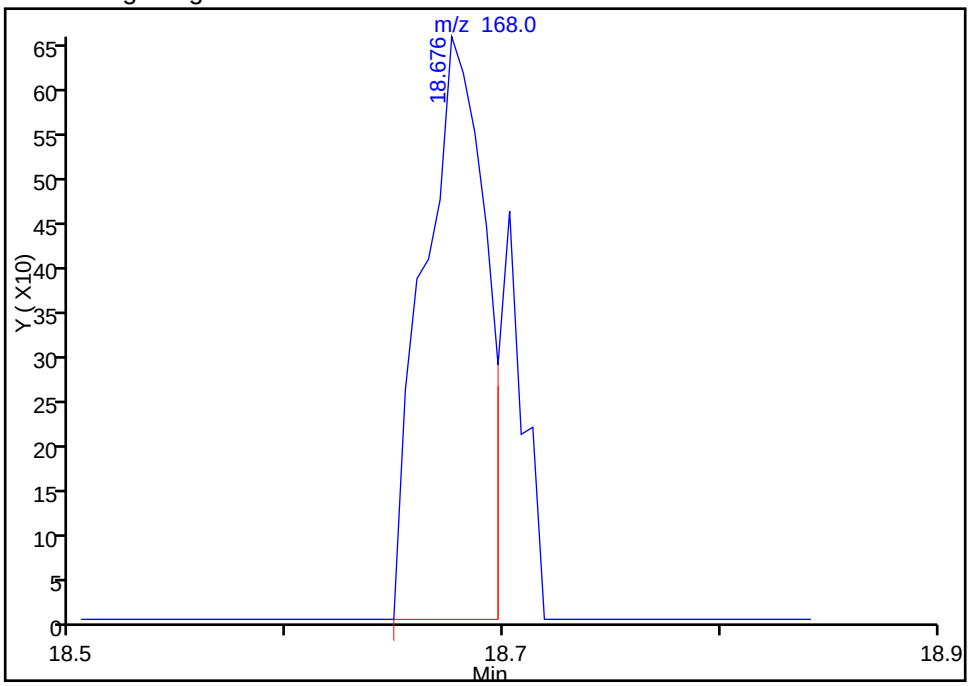
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d				
Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

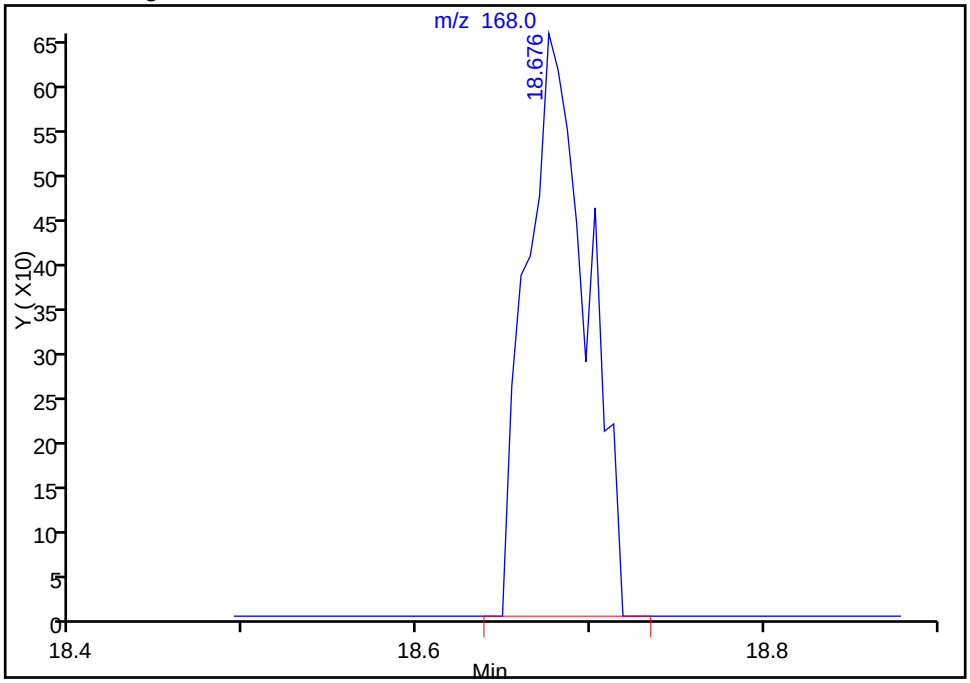
Processing Integration Results

RT: 18.68
Response: 1304
Amount: 0.018687



Manual Integration Results

RT: 18.68
Response: 1587
Amount: 0.026710



Reviewer: lyonsb, 18-Jul-2014 10:21:55
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

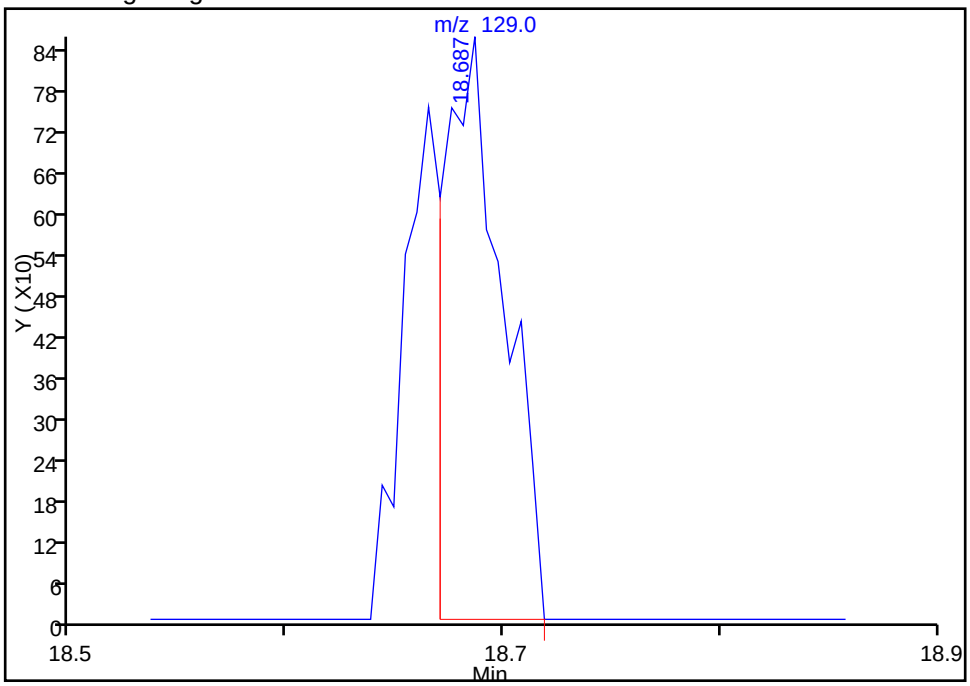
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d				
Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

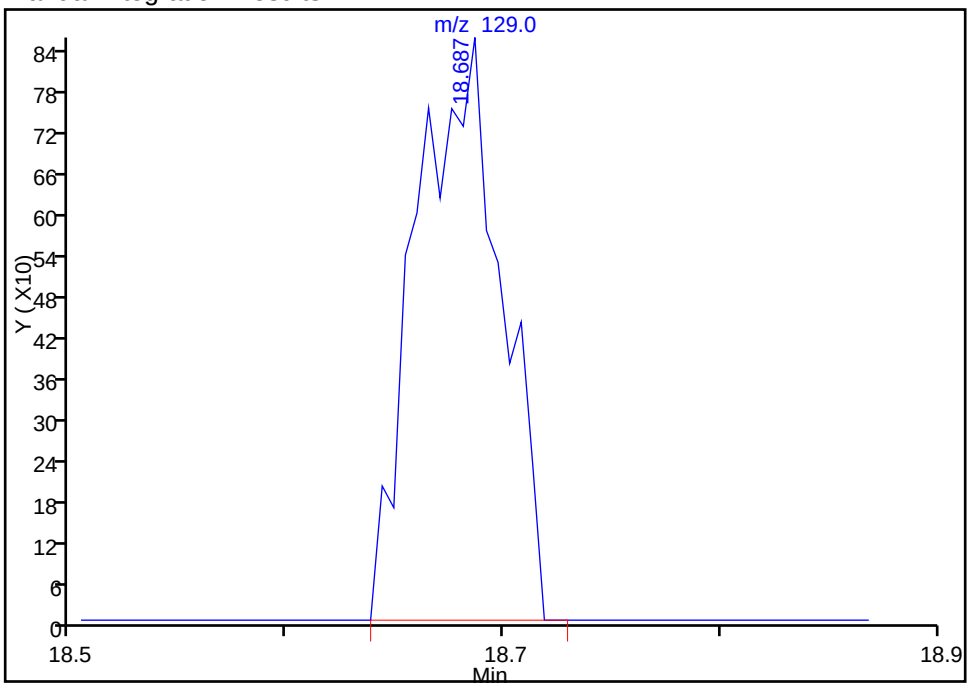
Processing Integration Results

RT: 18.69
Response: 1643
Amount: 0.018687



Manual Integration Results

RT: 18.69
Response: 2368
Amount: 0.026710



Reviewer: lyonsb, 18-Jul-2014 10:21:55
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

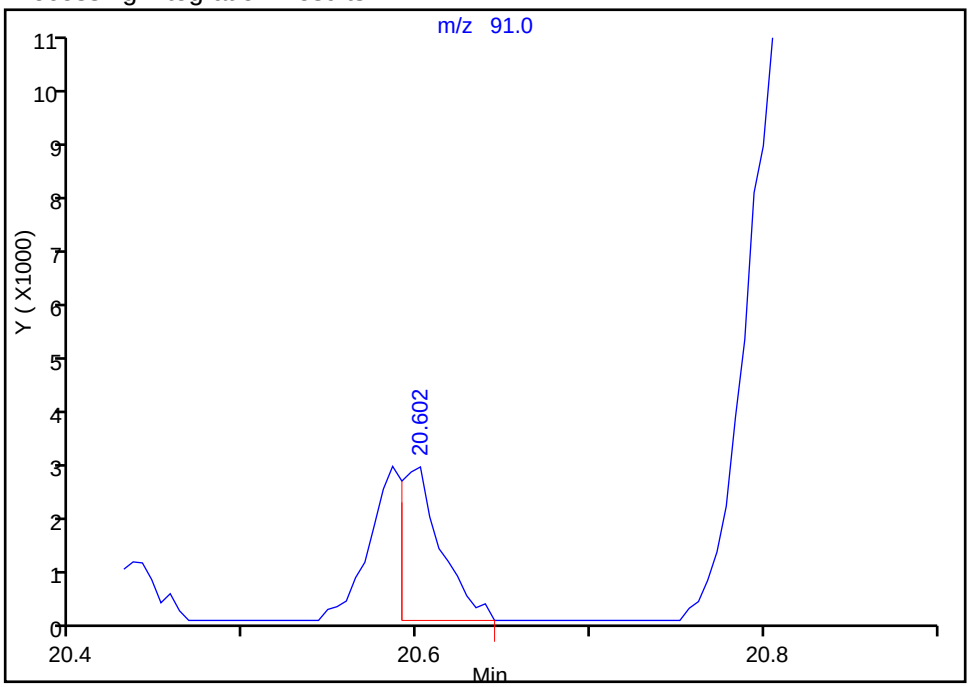
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_026.d				
Injection Date:	18-Jul-2014 08:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-2	Lab Sample ID:	200-23187-2		
Client ID:	GCTS MID CARBON				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4

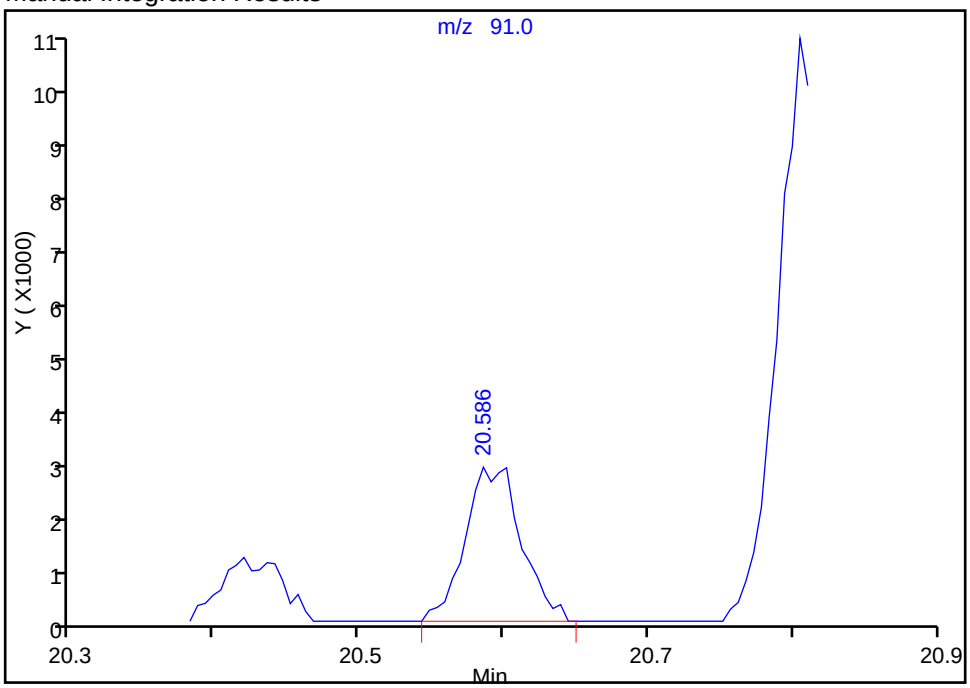
Processing Integration Results

RT: 20.60
Response: 4297
Amount: 0.016940



Manual Integration Results

RT: 20.59
Response: 7208
Amount: 0.028417



Reviewer: lyonsb, 18-Jul-2014 10:21:55
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-23187-3

Matrix: Air Lab File ID: 8602_007.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:12

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 15:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.54		0.50	0.030
75-45-6	Freon 22	86.47	0.35	J	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.58		0.50	0.14
106-97-8	n-Butane	58.12	2.0		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.30		0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	1.4		0.20	0.030
76-13-1	Freon 113	187.38	5.5		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.14	J	0.20	0.024
67-64-1	Acetone	58.08	1.8	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	0.24	J	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.39	J	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	J	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	4.3		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.89		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	7.6		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	7.7		0.20	0.064
67-66-3	Chloroform	119.38	0.097	J	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.029	J	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-23187-3

Matrix: Air Lab File ID: 8602_007.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:12

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 15:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.031	J	0.50	0.027
108-88-3	Toluene	92.14	0.052	J	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.017	J	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.026	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.088	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.058	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.15	J	0.20	0.034
100-42-5	Styrene	104.15	0.040	J	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.019	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.023	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.075	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-23187-3

Matrix: Air Lab File ID: 8602_007.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:12

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 15:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-23187-3

Matrix: Air Lab File ID: 8602_007.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:12

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 15:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.7		2.5	0.15
75-45-6	Freon 22	86.47	1.2	J	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.2		1.0	0.28
106-97-8	n-Butane	58.12	4.7		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.77		0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	7.9		1.1	0.17
76-13-1	Freon 113	187.38	42		1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.57	J	0.79	0.095
67-64-1	Acetone	58.08	4.4	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	0.60	J	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.4	J	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	J	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	17		0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	2.6		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	30		0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	30		0.79	0.25
67-66-3	Chloroform	119.38	0.47	J	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.094	J	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-23187-3

Matrix: Air Lab File ID: 8602_007.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:12

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 15:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.13	J	2.0	0.11
108-88-3	Toluene	92.14	0.20	J	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.077	J	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.11	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.38	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.25	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.63	J	0.87	0.15
100-42-5	Styrene	104.15	0.17	J	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.094	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.11	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.37	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-23187-3

Matrix: Air Lab File ID: 8602_007.d

Analysis Method: TO-15 Date Collected: 07/10/2014 10:12

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 15:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d
Lims ID: 200-23187-A-3 Lab Sample ID: 200-23187-3
Client ID: GCTS POST CARBON
Sample Type: Client
Inject. Date: 17-Jul-2014 15:50:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008602-007
Misc. Info.: 200-23187-A-3
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Jul-2014 10:06:54 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 18-Jul-2014 09:29:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.488	4.488	0.000	99	65672	0.5398	
6 Chlorodifluoromethane	51	4.558	4.552	0.006	96	21430	0.3523	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.836				ND	
8 Chloromethane	50	5.034	5.034	0.000	99	21047	0.5847	
9 Butane	43	5.301	5.291	0.011	99	117154	1.96	
10 Vinyl chloride	62	5.360	5.349	0.011	98	13492	0.3018	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.318				ND	
14 Chloroethane	64		6.601				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101	7.195	7.190	0.005	98	189476	1.41	
23 1,1,2-Trichloro-1,2,2-trif	101	8.442	8.436	0.006	95	564756	5.49	
24 1,1-Dichloroethene	96	8.522	8.511	0.011	91	7274	0.1442	
25 Acetone	43	8.752	8.741	0.011	90	116922	1.84	
26 Carbon disulfide	76		9.003				ND	
27 Isopropyl alcohol	45	9.041	9.025	0.016	96	13044	0.2436	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49	9.731	9.731	0.000	82	17077	0.3920	
32 2-Methyl-2-propanol	59		9.897				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61				0		7.68	
34 trans-1,2-Dichloroethene	61	10.223	10.228	-0.005	86	4844	0.0800	
36 Hexane	57		10.640				ND	
37 1,1-Dichloroethane	63	11.186	11.191	-0.005	99	340705	4.26	
39 cis-1,2-Dichloroethene	96	12.368	12.363	0.005	92	430849	7.60	
40 2-Butanone (MEK)	72	12.379	12.379	0.000	98	23948	0.8935	
44 Tetrahydrofuran	42		12.839				ND	
* 43 Chlorobromomethane	128	12.844	12.850	-0.006	75	416036	10.0	
45 Chloroform	83	12.962	12.957	0.005	94	9626	0.0972	
46 Cyclohexane	84		13.256				ND	
47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.524				ND	
51 Isooctane	57		13.909				ND	
50 Benzene	78	13.973	13.973	0.000	90	4686	0.0294	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.262				ND	
* 54 1,4-Difluorobenzene	114	14.727	14.727	0.000	92	2028540	10.0	
56 Trichloroethene	95		15.198				ND	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.888				ND	
62 Dichlorobromomethane	83		16.209				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43	17.306	17.301	0.005	90	2868	0.0307	
66 Toluene	92	17.638	17.638	0.000	94	6786	0.0518	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166		18.681				ND	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.1452	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	82	1842189	10.0	
77 Chlorobenzene	112	20.484	20.478	0.006	84	3029	0.0167	
78 Ethylbenzene	91	20.591	20.596	-0.005	95	6892	0.0265	
80 m-Xylene & p-Xylene	106	20.805	20.810	-0.005	99	9744	0.0876	
83 o-Xylene	106	21.522	21.527	-0.005	95	6546	0.0576	
84 Styrene	104	21.570	21.564	0.006	93	6561	0.0398	
85 Bromoform	173		21.949				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.436	-0.010	98	1188277	NC	
88 1,1,2,2-Tetrachloroethane	83		22.666				ND	
90 N-Propylbenzene	91		22.741				ND	
91 4-Ethyltoluene	105	22.886	22.907	-0.021	98	5890	0.0191	
92 2-Chlorotoluene	91		22.945				ND	
94 1,3,5-Trimethylbenzene	105	22.982	22.998	-0.016	95	5986	0.0227	
96 tert-Butylbenzene	119		23.474				ND	
97 1,2,4-Trimethylbenzene	105	23.549	23.565	-0.016	95	19794	0.0746	
98 sec-Butylbenzene	105		23.806				ND	
99 4-Isopropyltoluene	119		24.009				ND	
100 1,3-Dichlorobenzene	146		24.079				ND	
101 1,4-Dichlorobenzene	146		24.223				ND	
102 Benzyl chloride	91		24.432				ND	
103 n-Butylbenzene	91		24.640				ND	
105 1,2-Dichlorobenzene	146		24.828				ND	
107 1,2,4-Trichlorobenzene	180		27.706				ND	
108 Hexachlorobutadiene	225		27.904				ND	
109 Naphthalene	128		28.289				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003	Amount Added:	20.00	Units: mL	Run Reagent

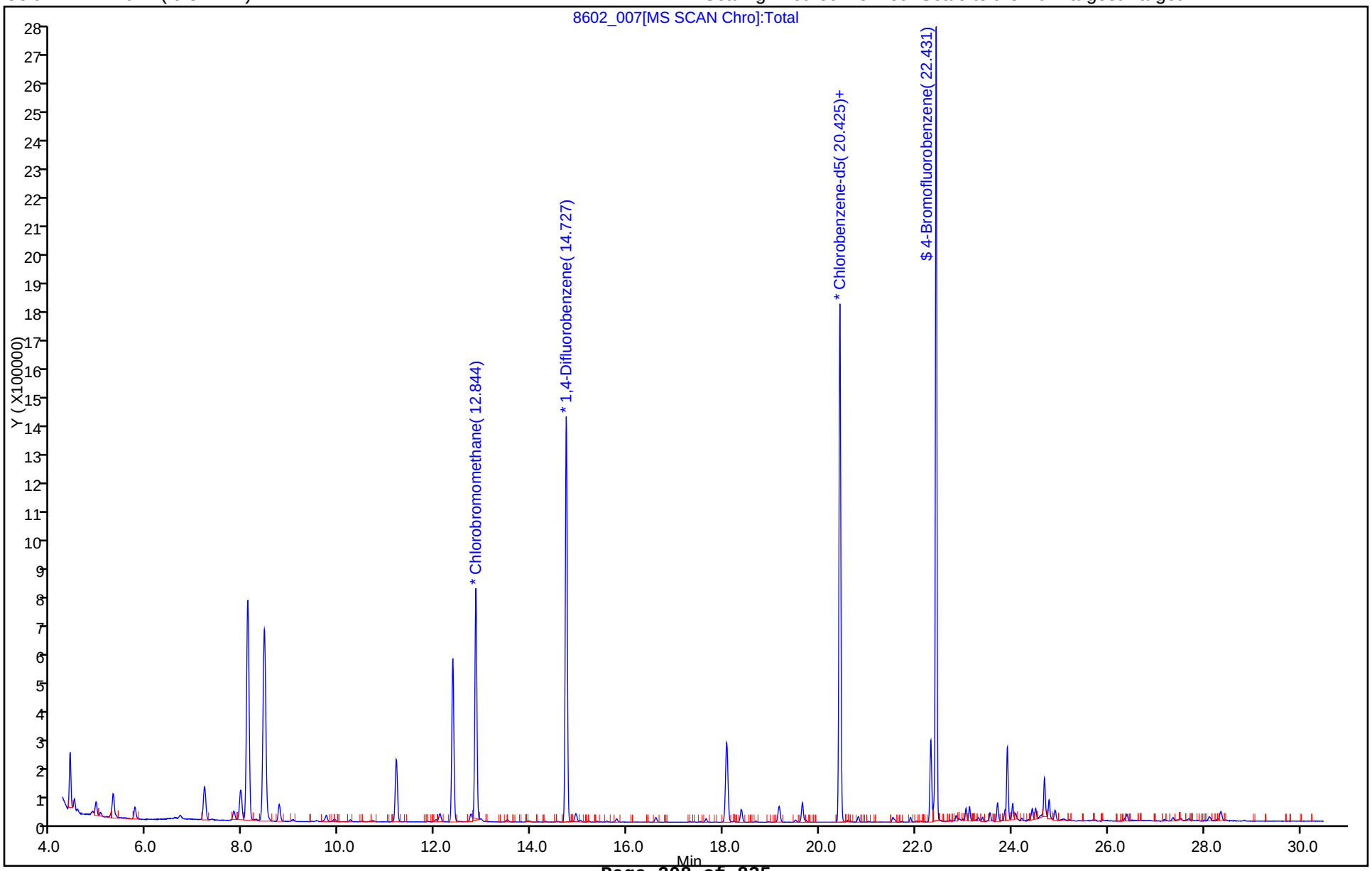
Report Date: 18-Jul-2014 10:16:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3	Worklist Smp#:	7
Client ID:	GCTS POST CARBON				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



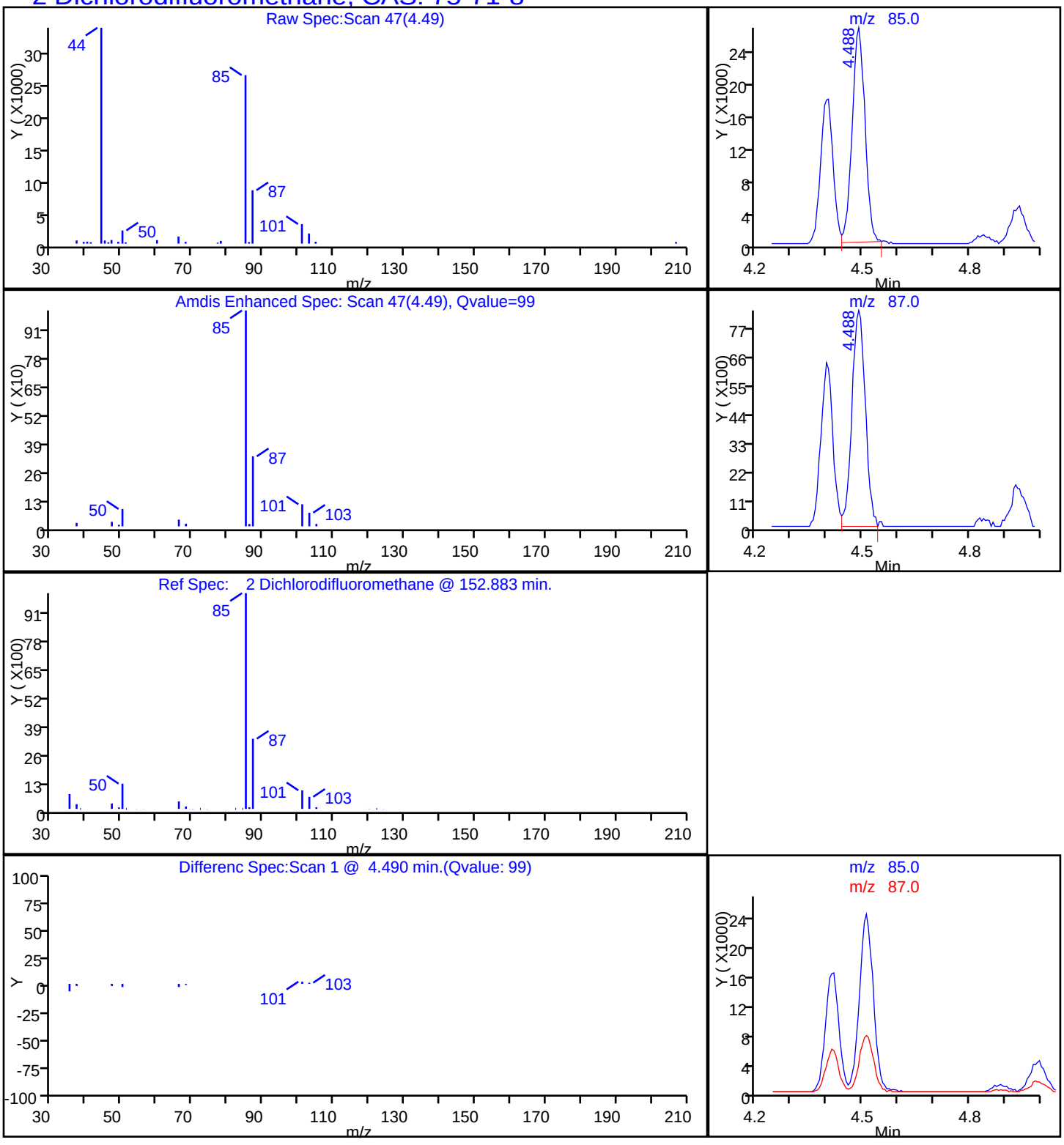
Report Date: 18-Jul-2014 10:16:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8



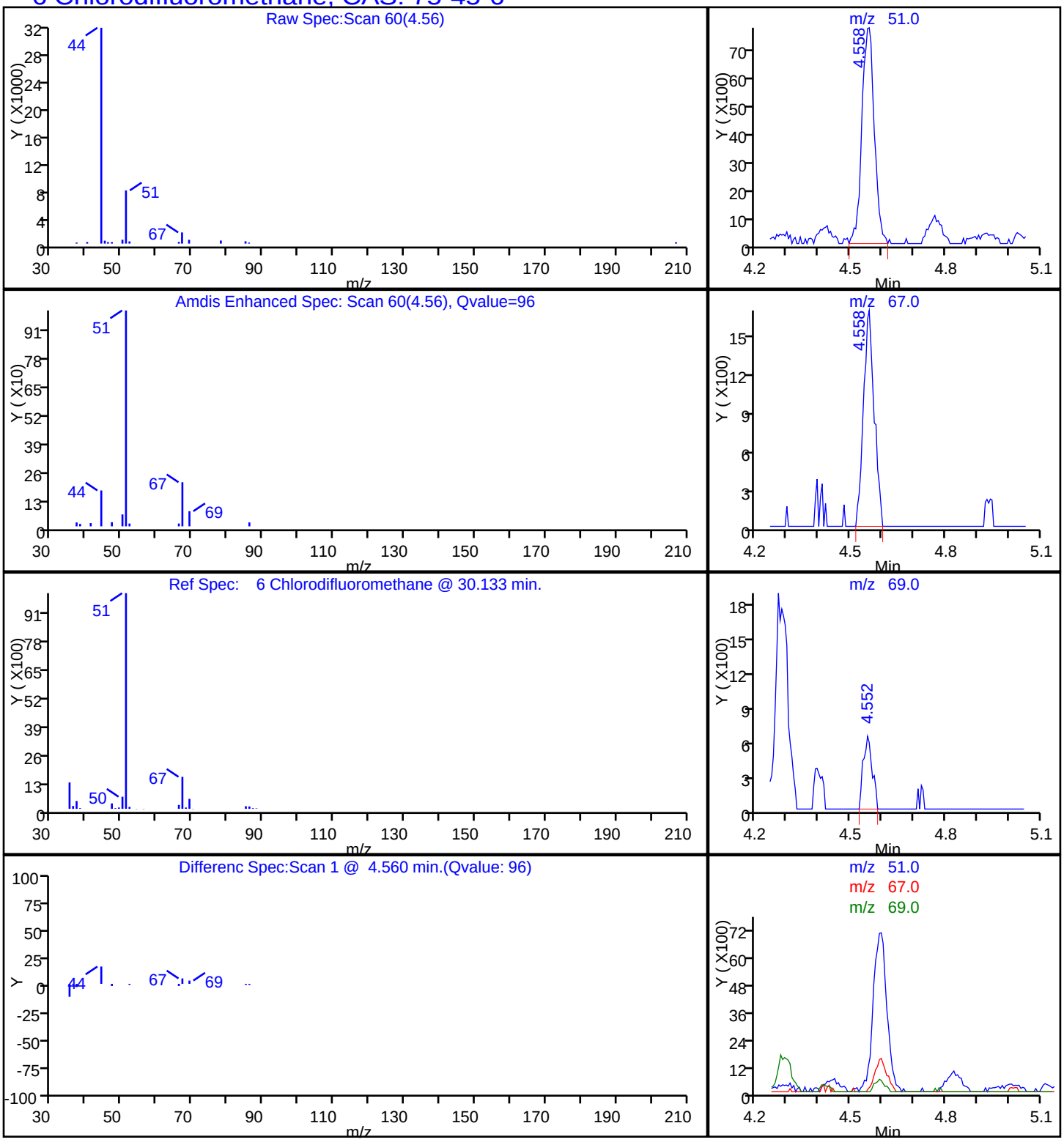
Report Date: 18-Jul-2014 10:16:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



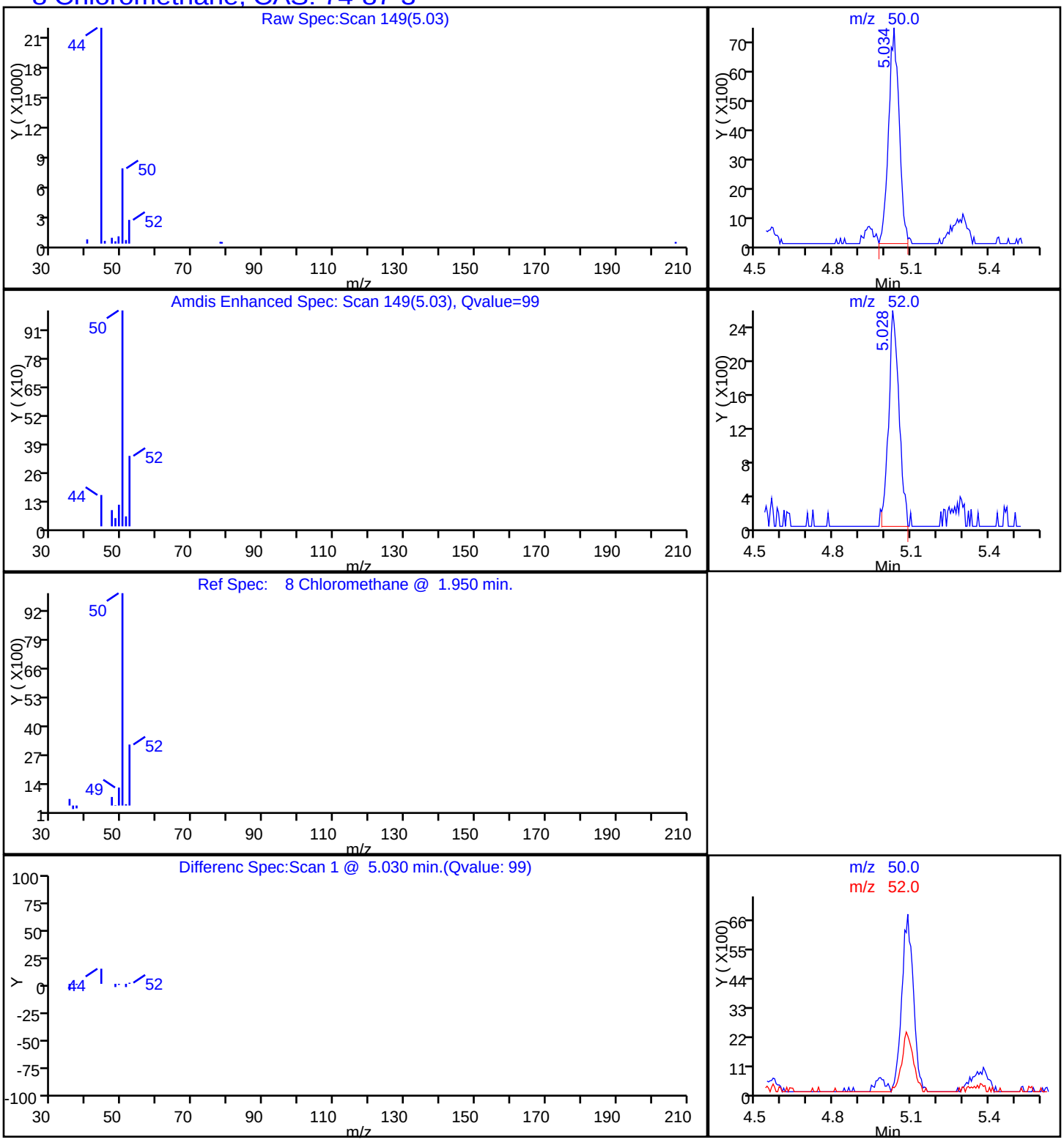
Report Date: 18-Jul-2014 10:16:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3
Client ID:	GCTS POST CARBON		
Operator ID:	bl	ALS Bottle#:	6 Worklist Smp#: 7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

8 Chloromethane, CAS: 74-87-3



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TestAmerica Burlington

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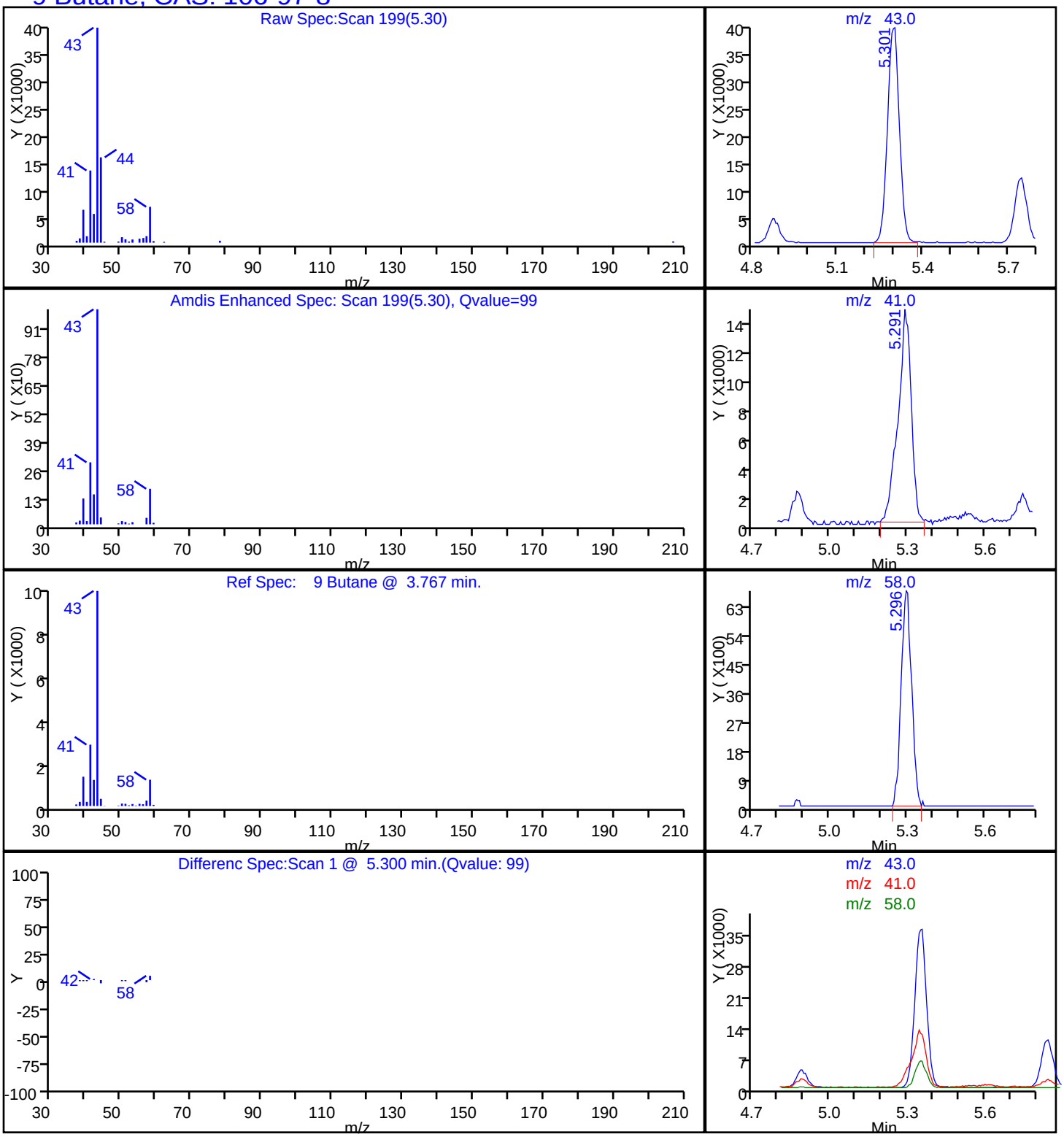
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



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TestAmerica Burlington

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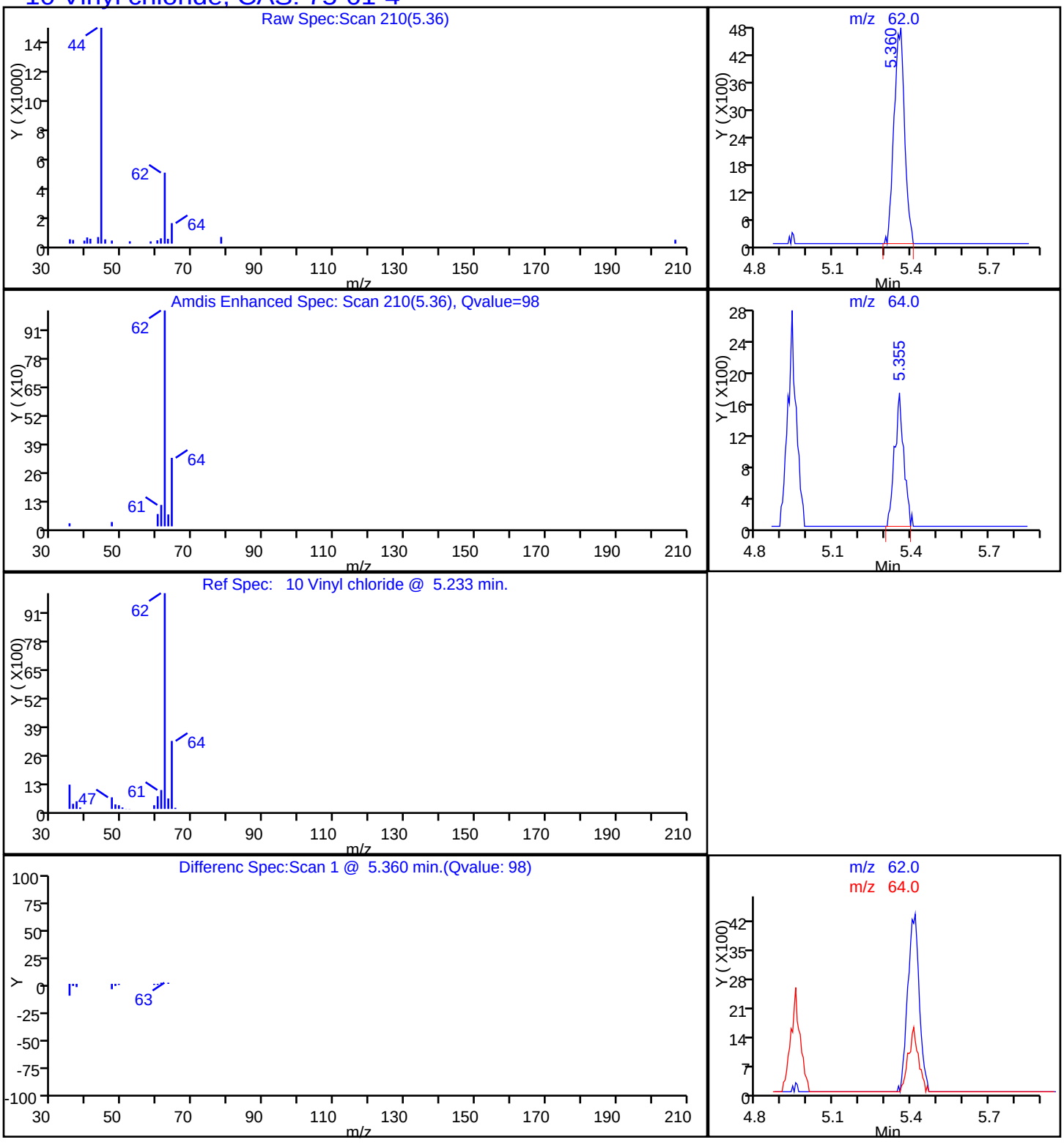
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

10 Vinyl chloride, CAS: 75-01-4



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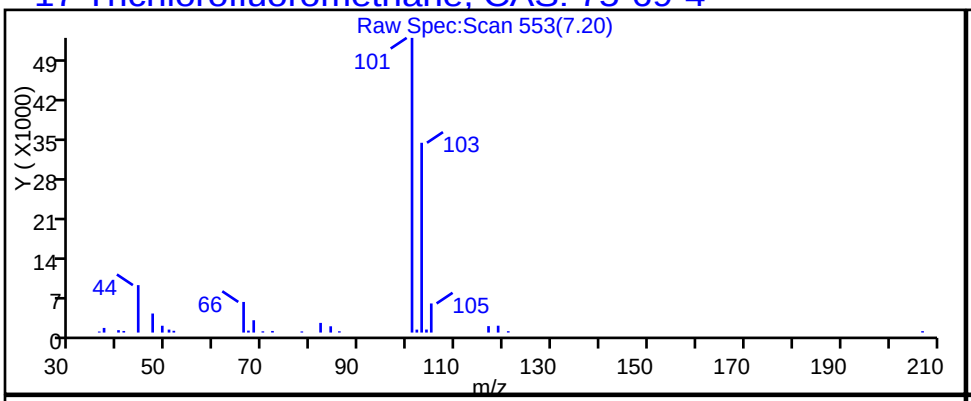
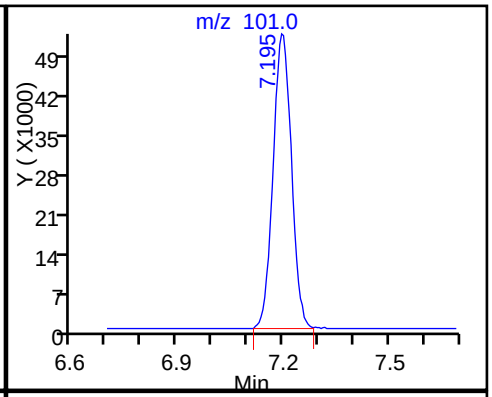
TestAmerica Burlington

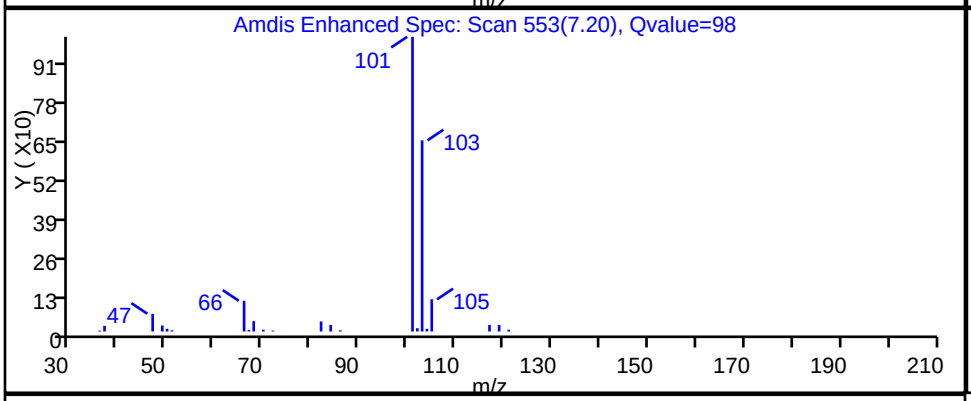
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

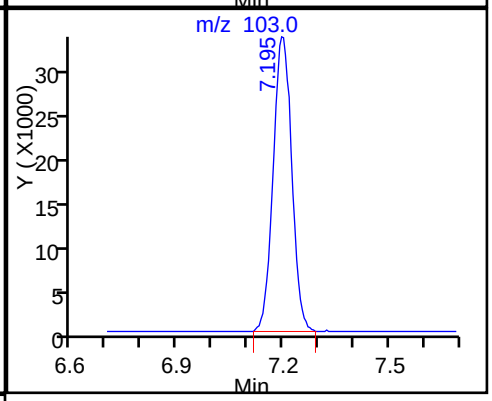
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

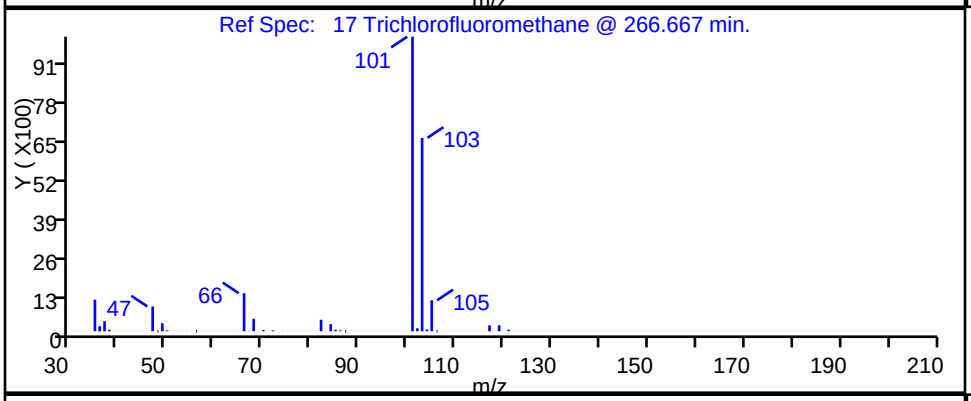
17 Trichlorofluoromethane, CAS: 75-69-4

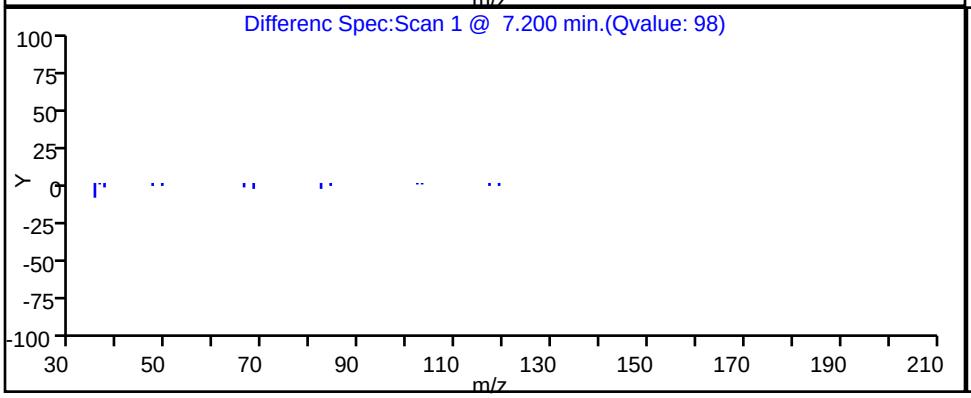


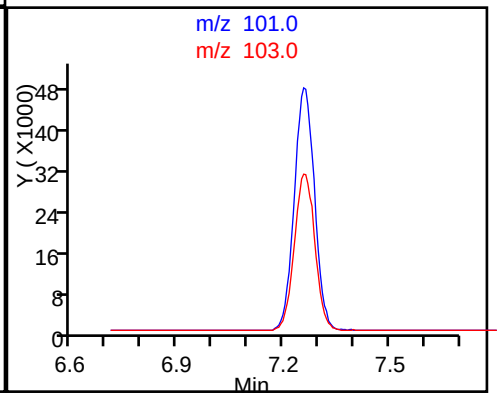












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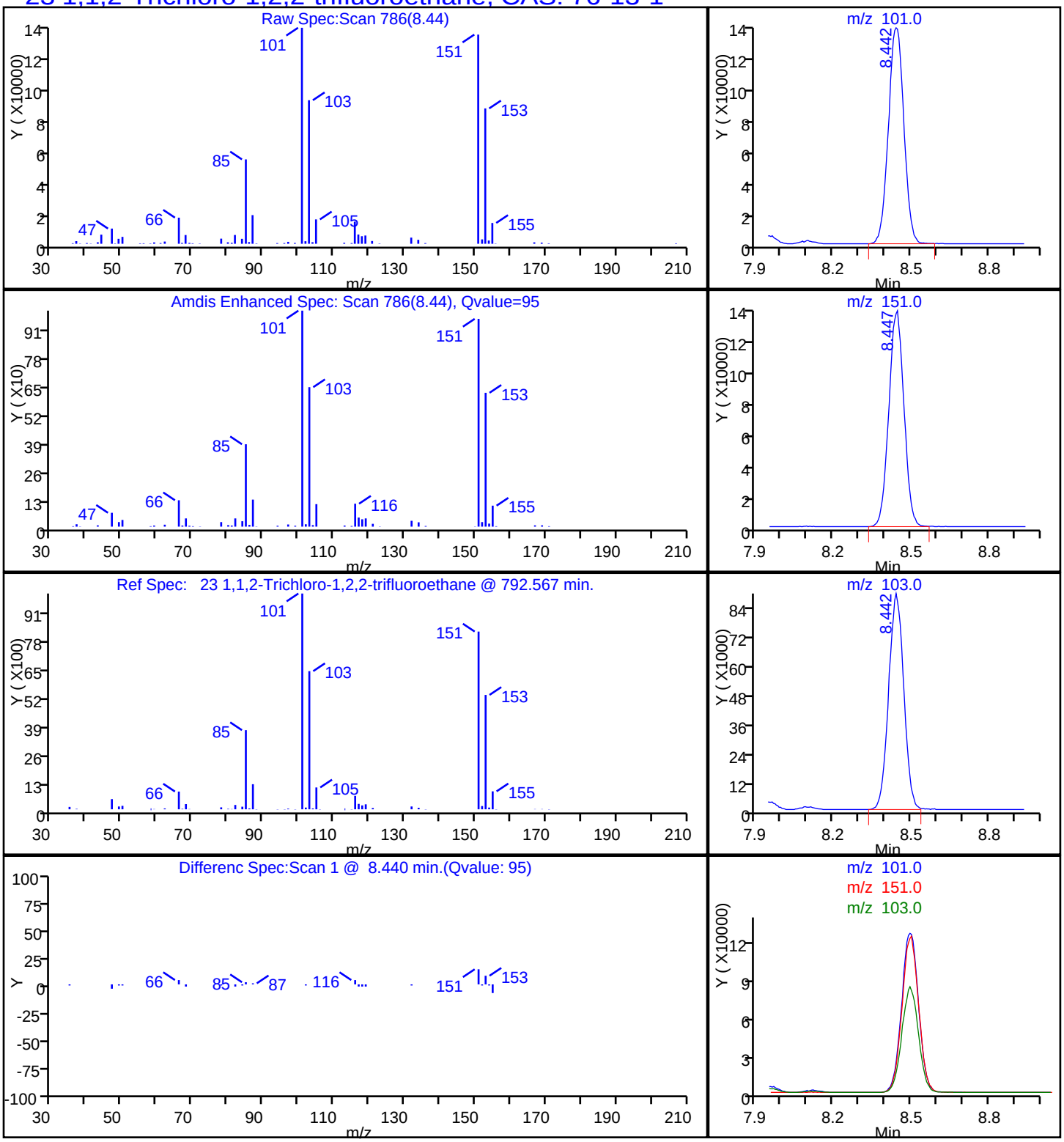
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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TestAmerica Burlington

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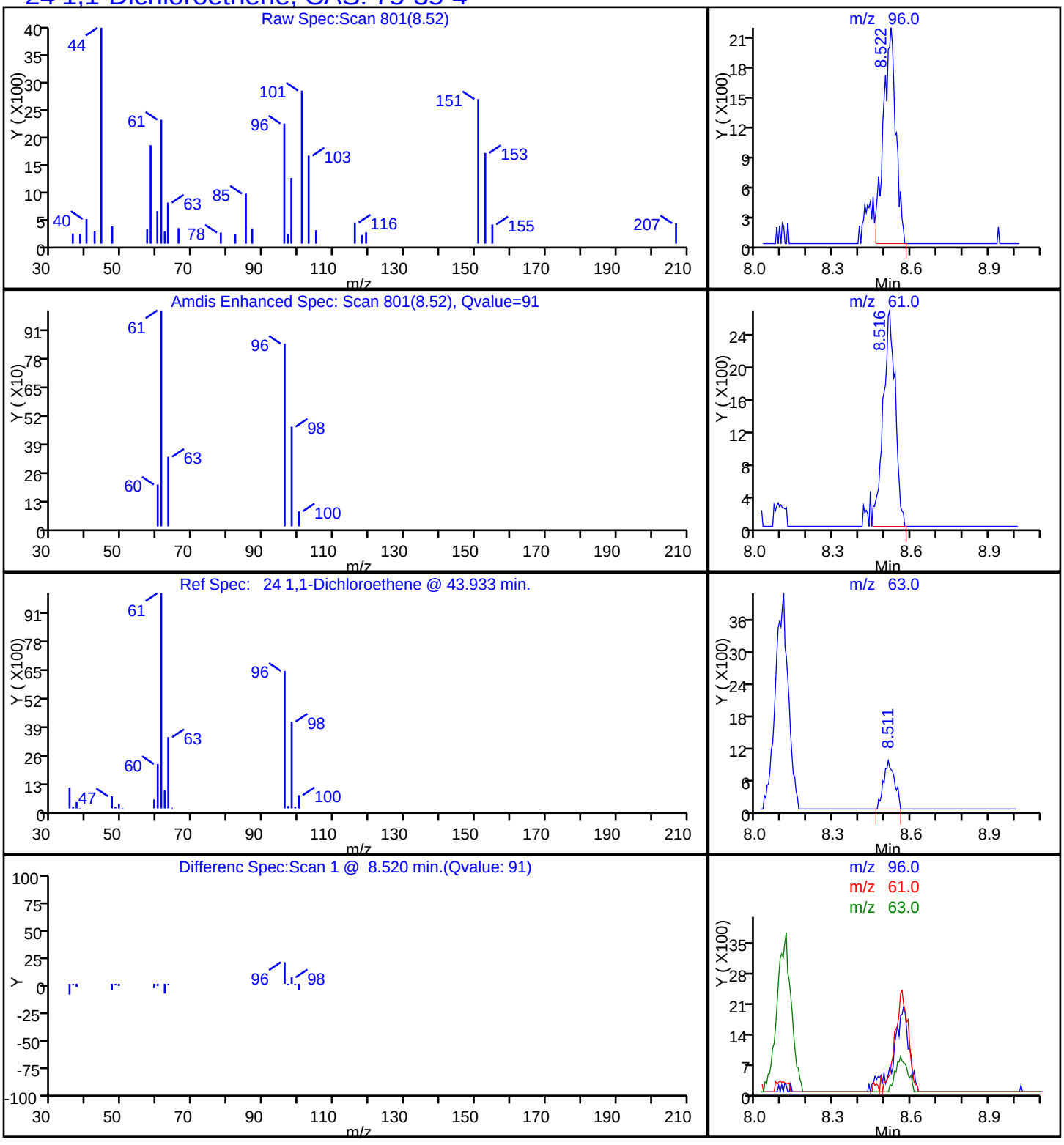
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 1,1-Dichloroethene, CAS: 75-35-4



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TestAmerica Burlington

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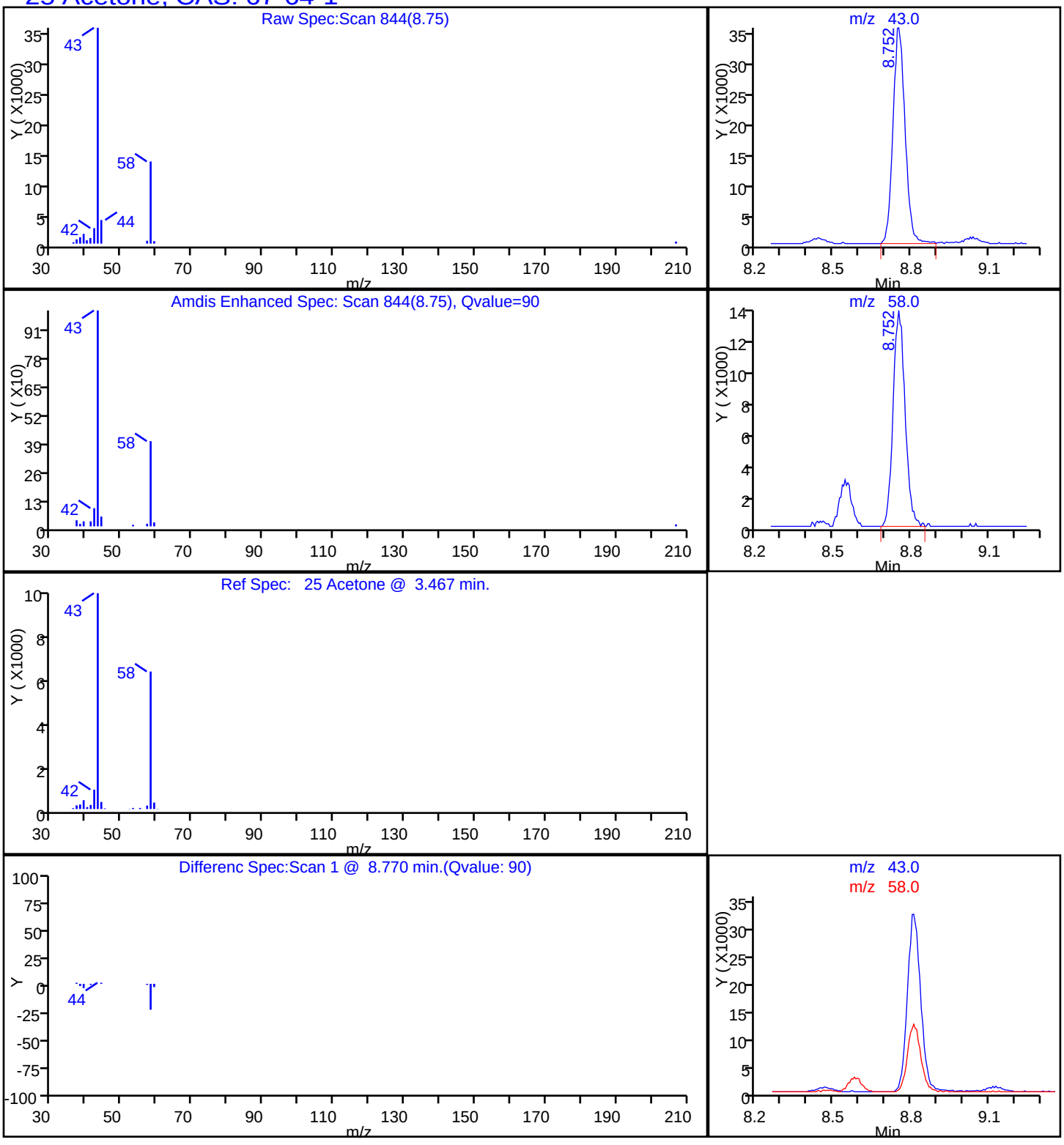
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



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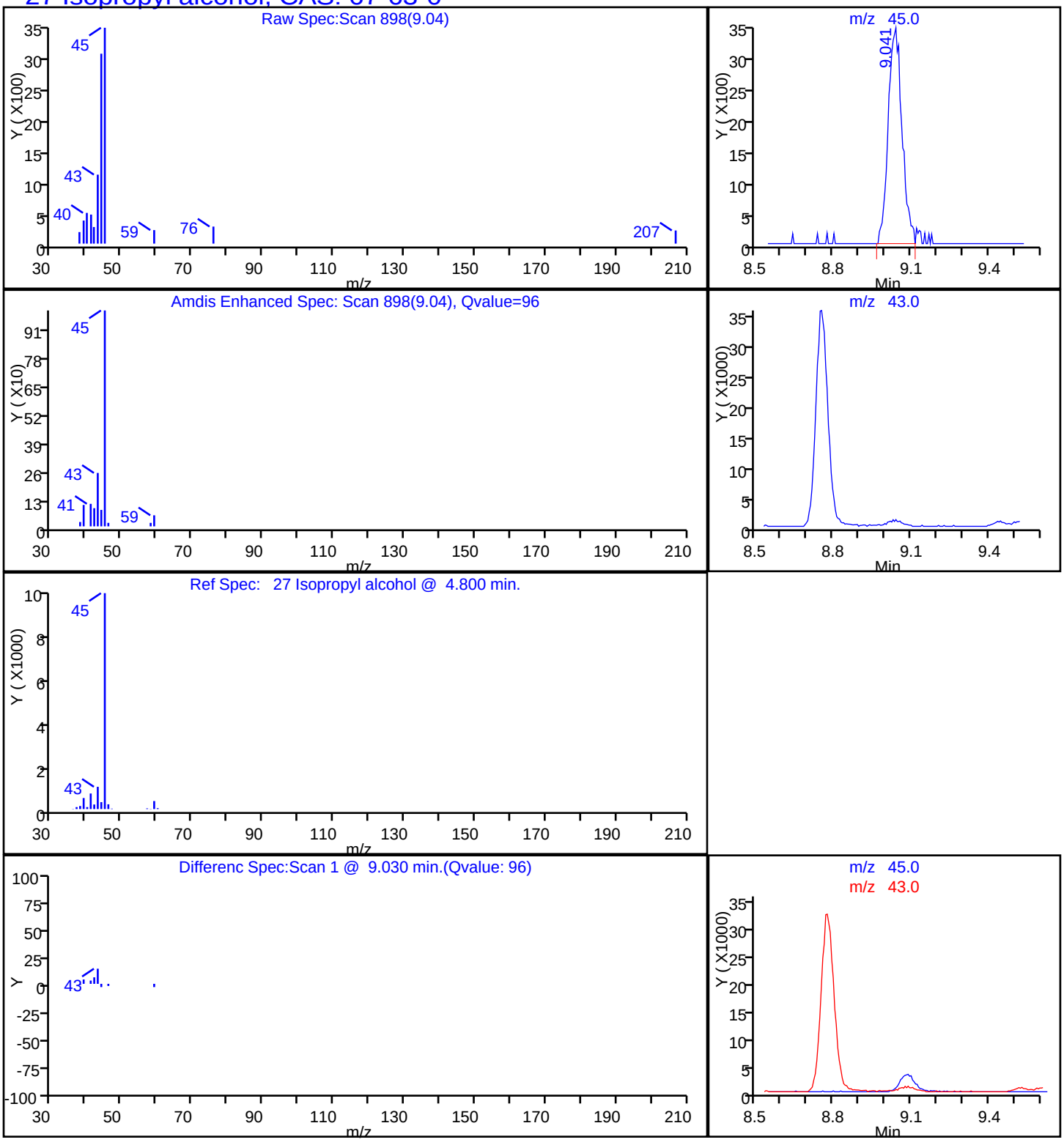
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



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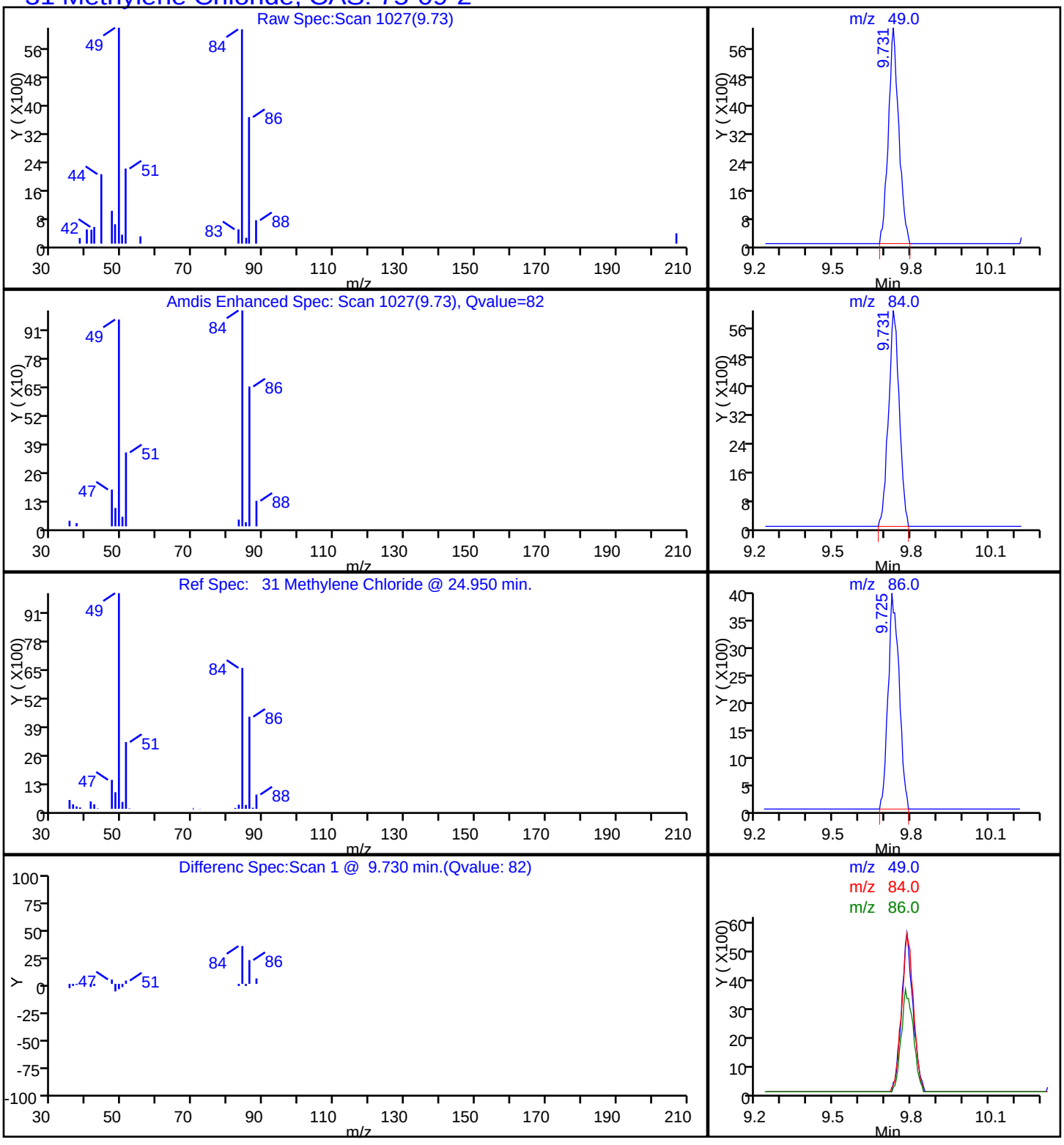
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



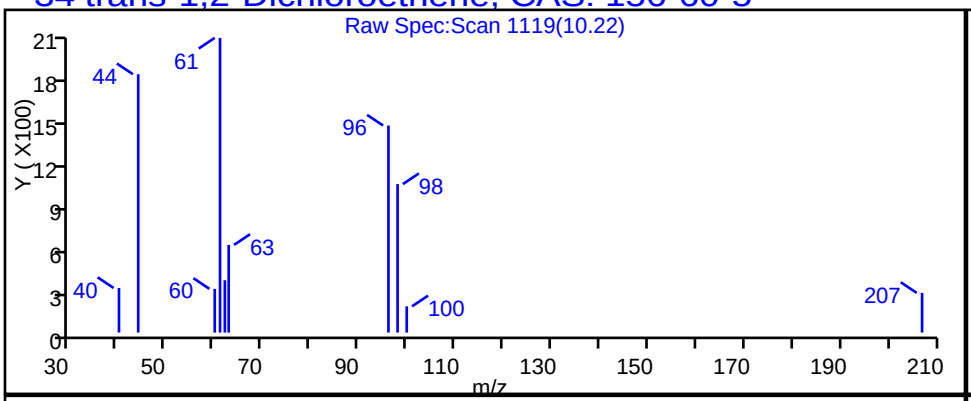
Report Date: 18-Jul-2014 10:16:43 Chrom Revision: 2.2 24-Jun-2014 07:21:42

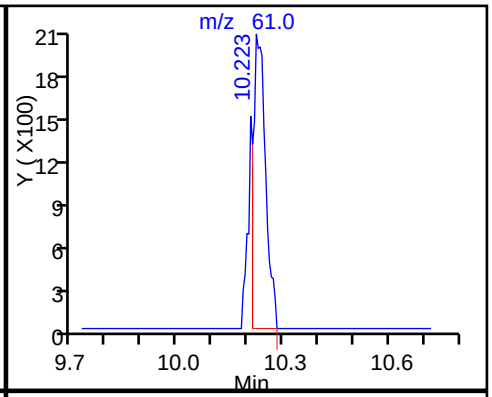
TestAmerica Burlington

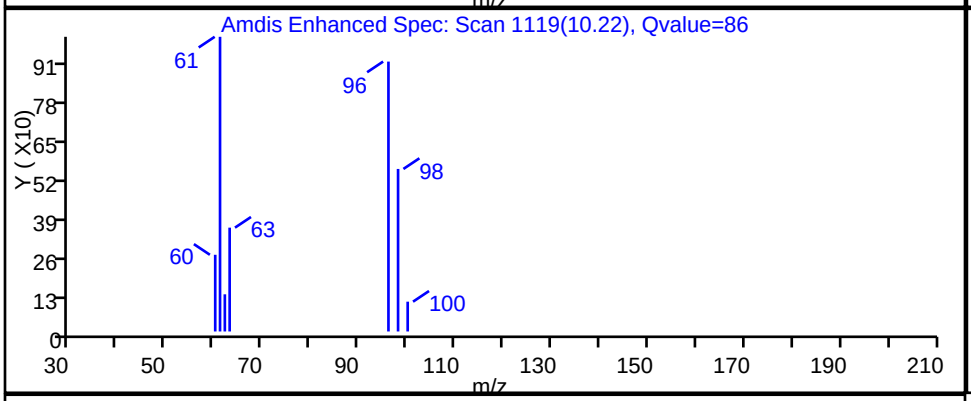
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

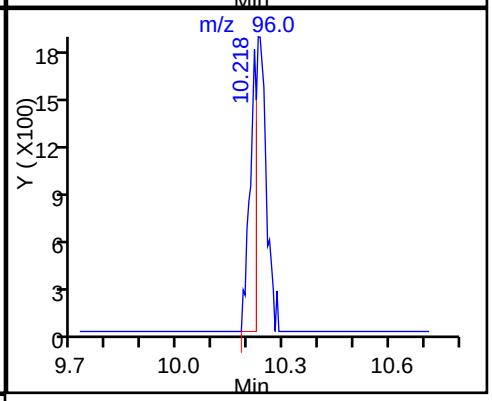
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3
Client ID:	GCTS POST CARBON		
Operator ID:	bl	ALS Bottle#:	6 Worklist Smp#: 7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

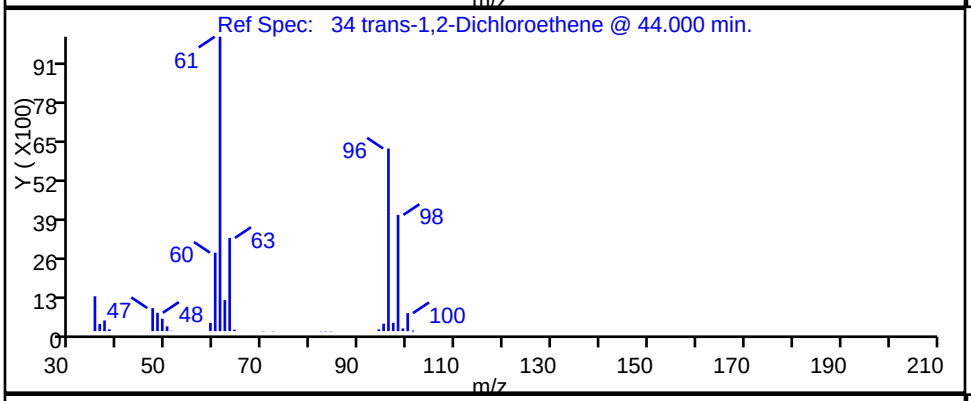
34 trans-1,2-Dichloroethene, CAS: 156-60-5

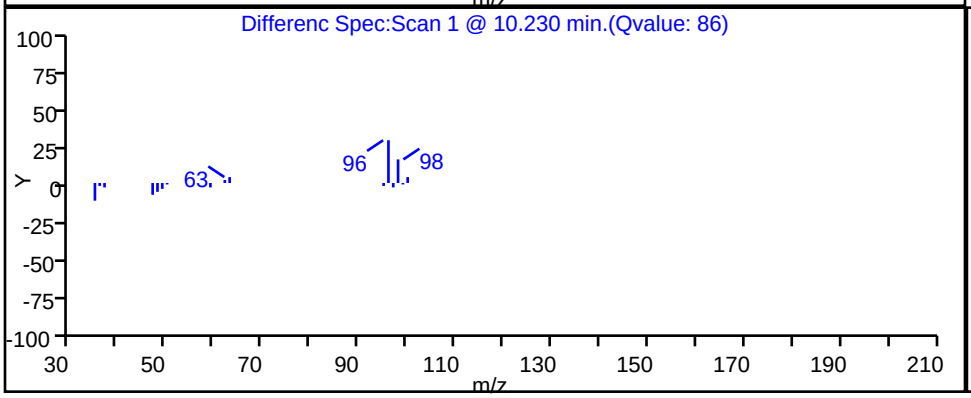


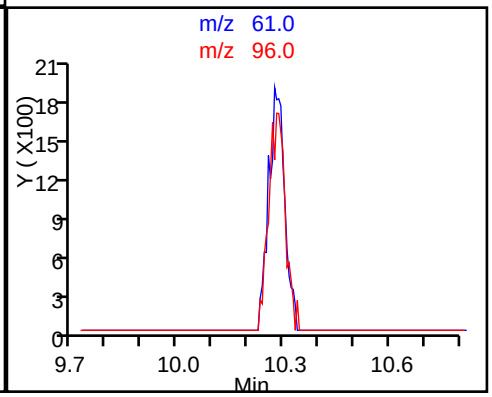












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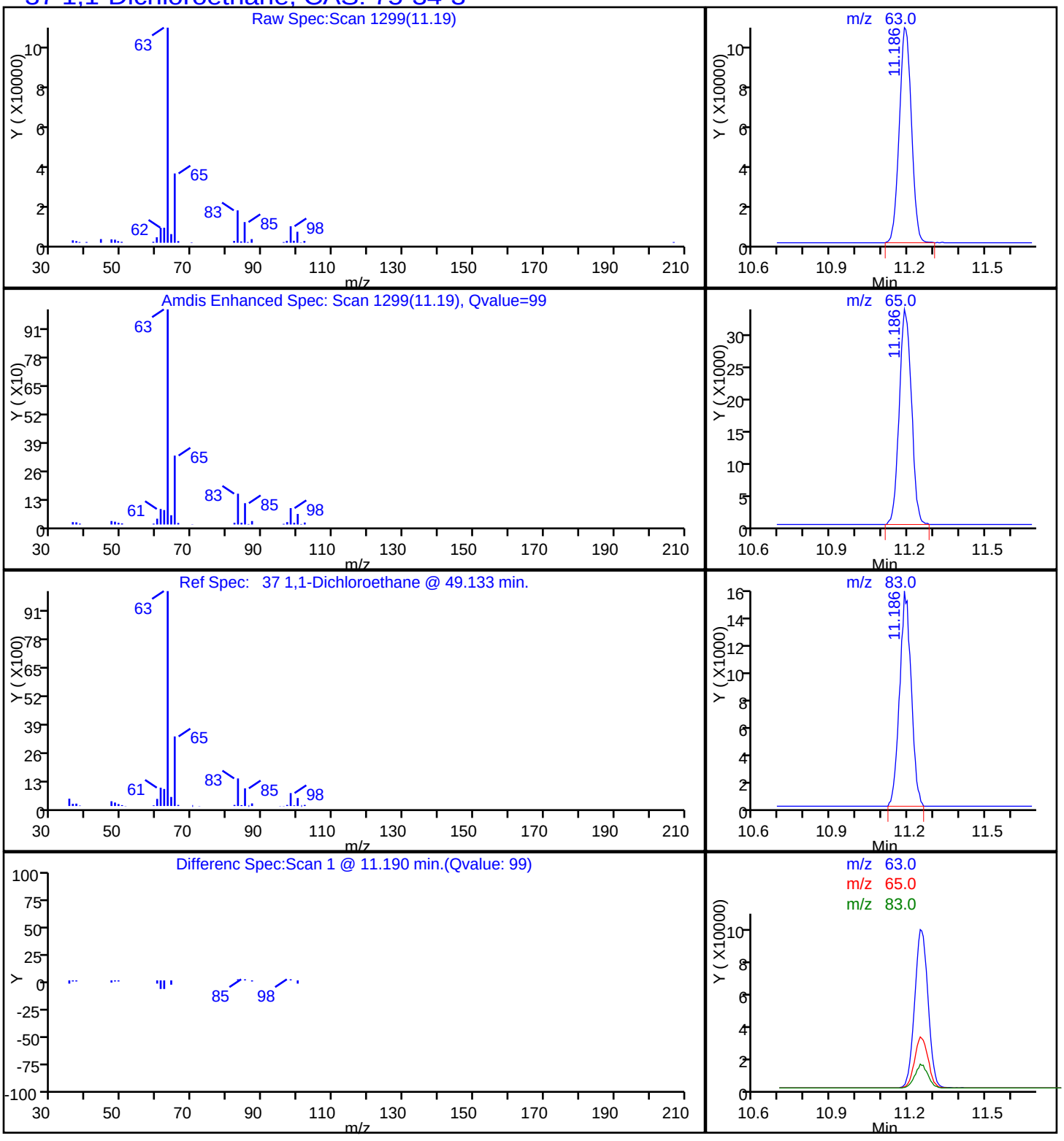
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



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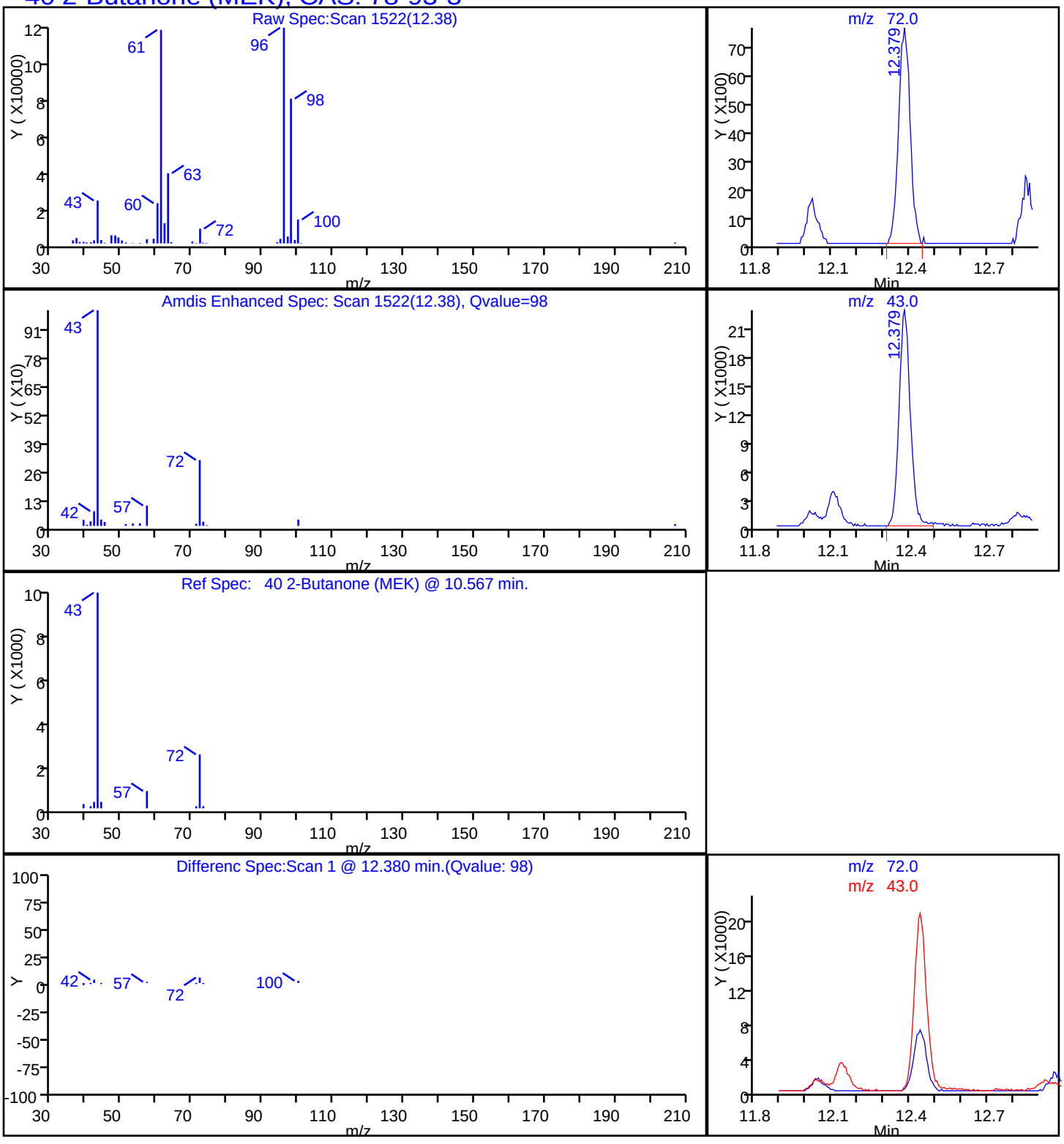
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3



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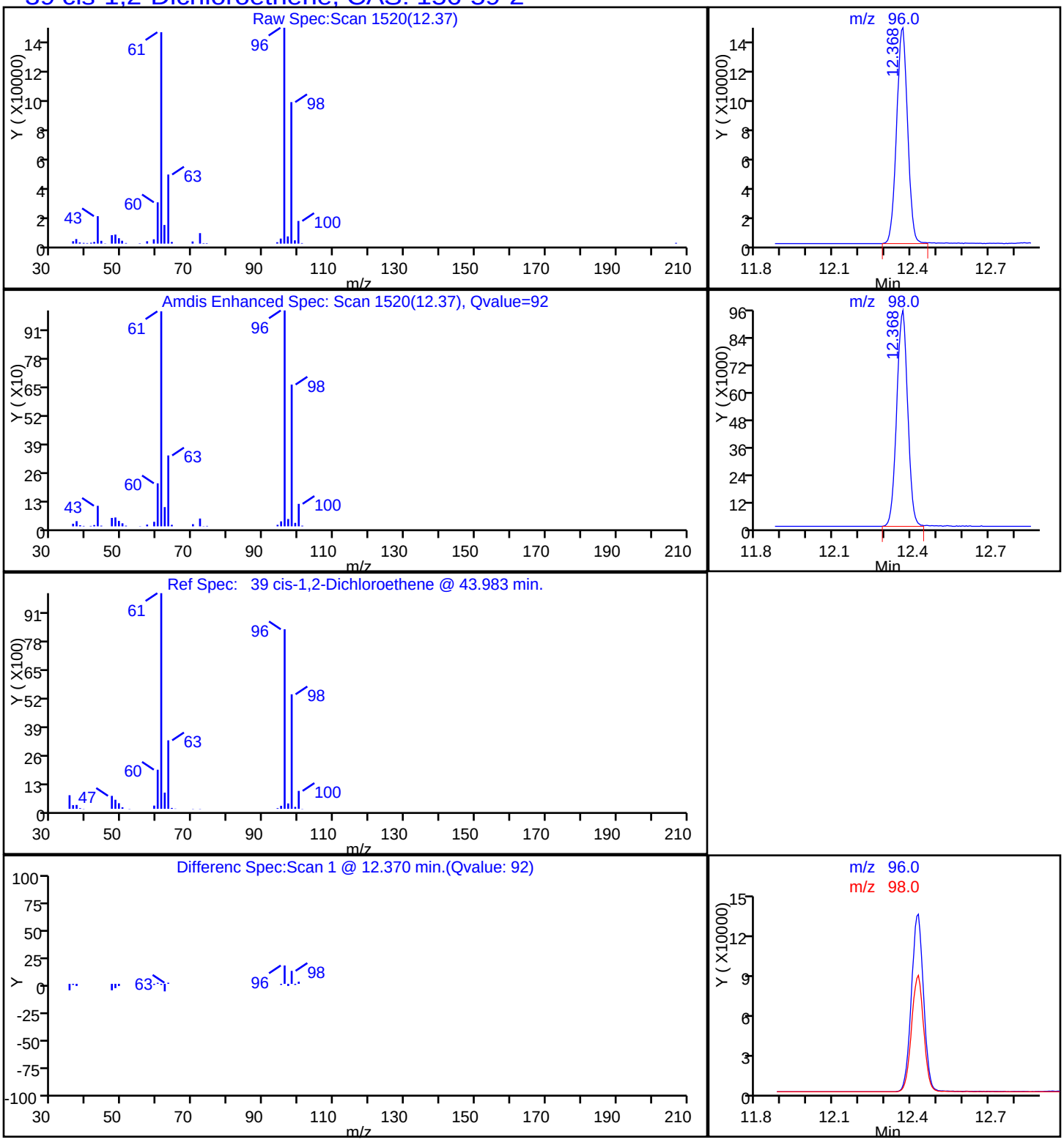
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2



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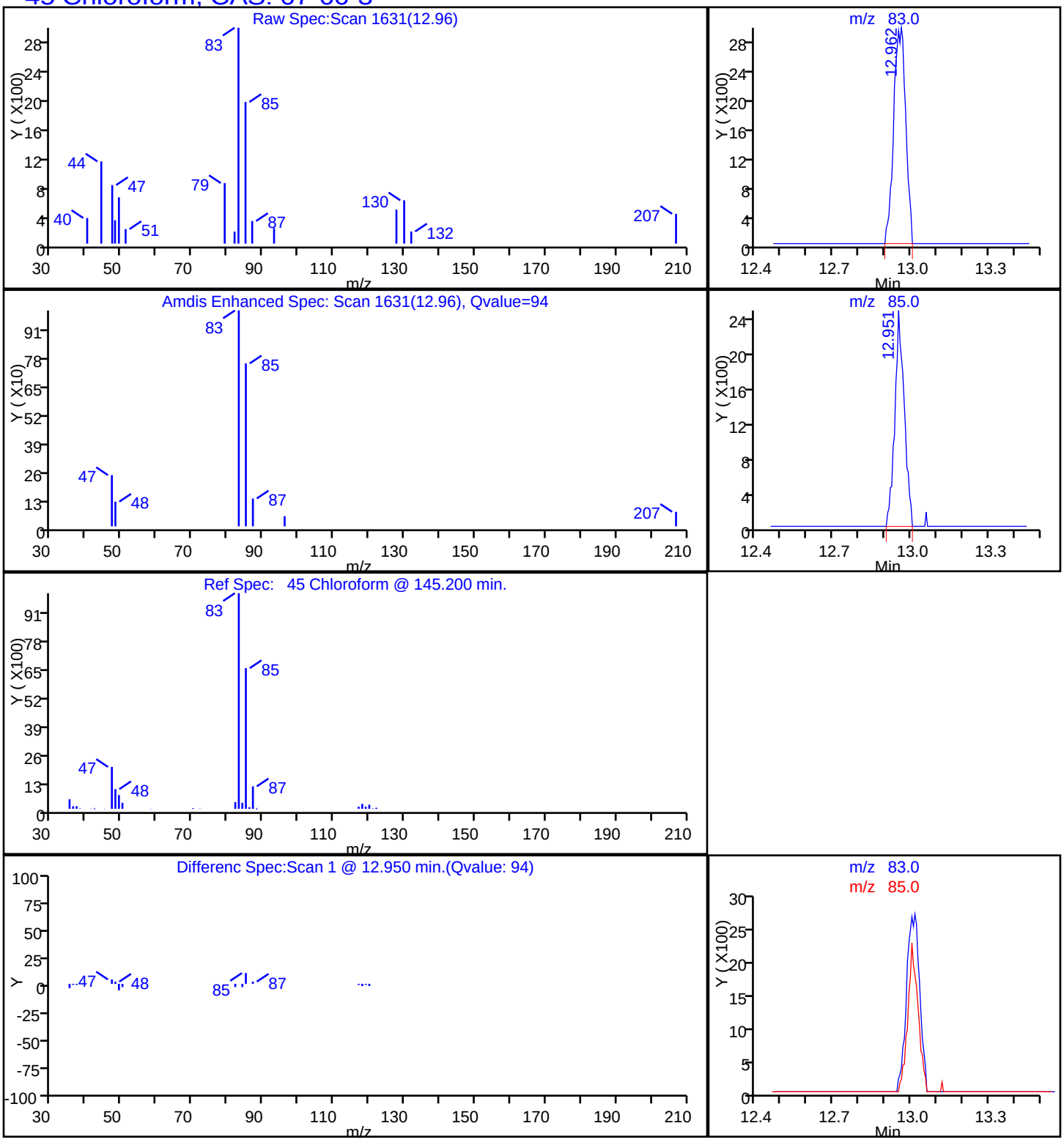
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



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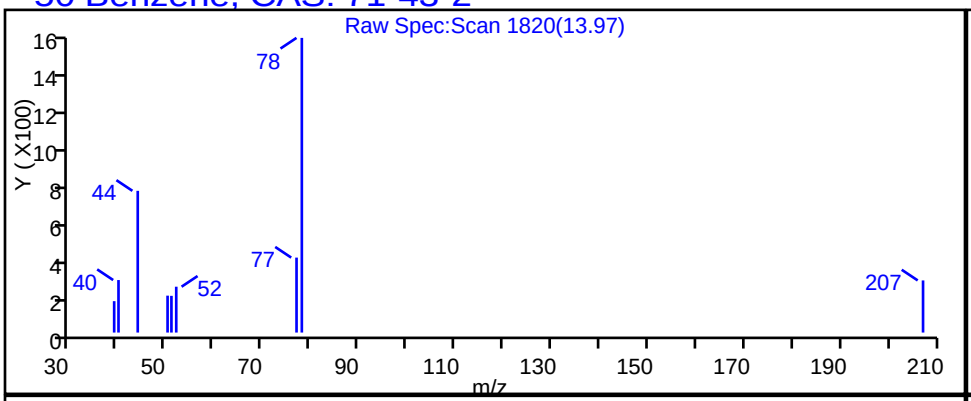
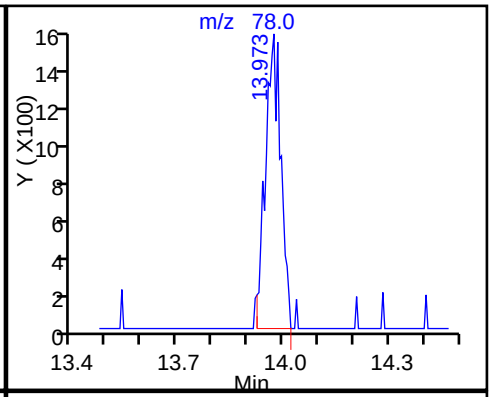
TestAmerica Burlington

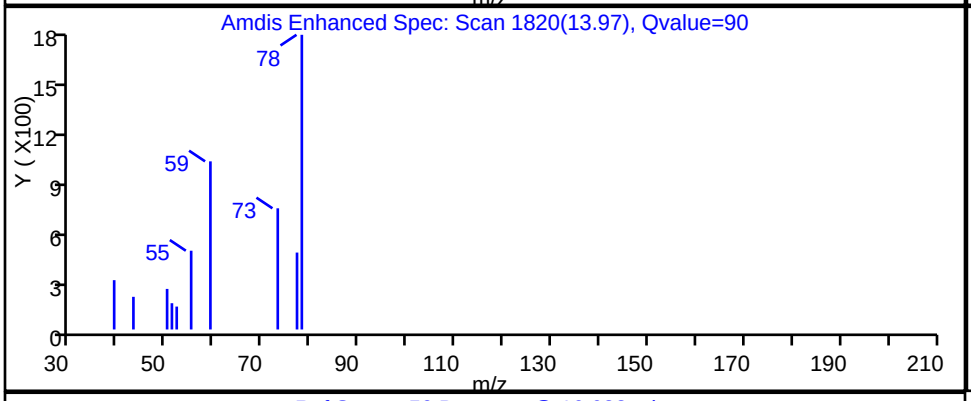
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

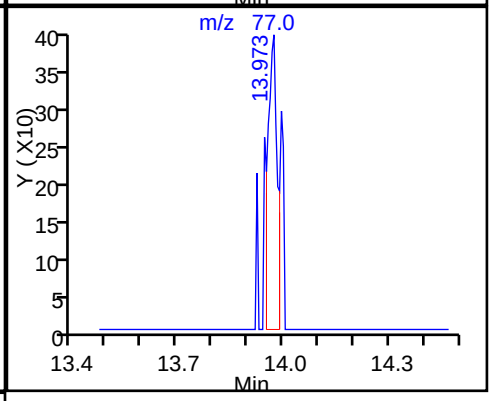
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

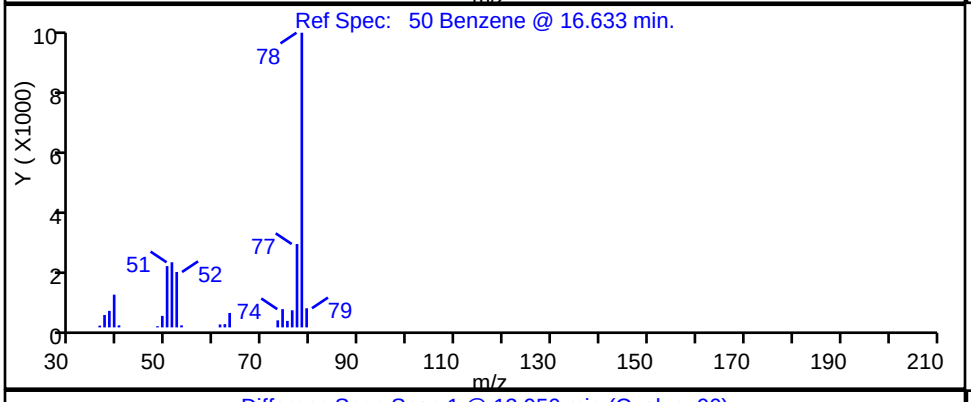
50 Benzene, CAS: 71-43-2

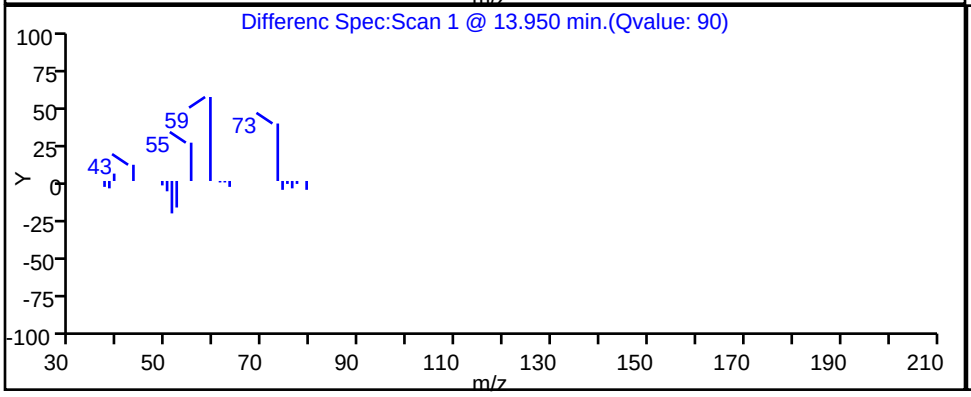


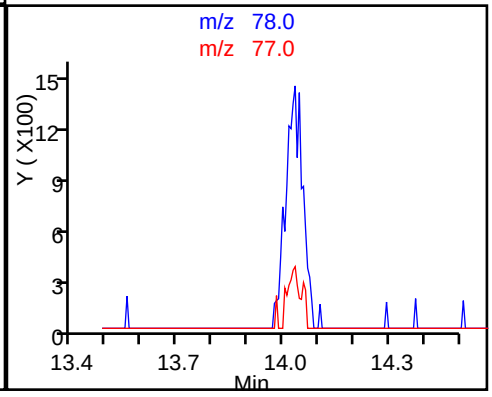












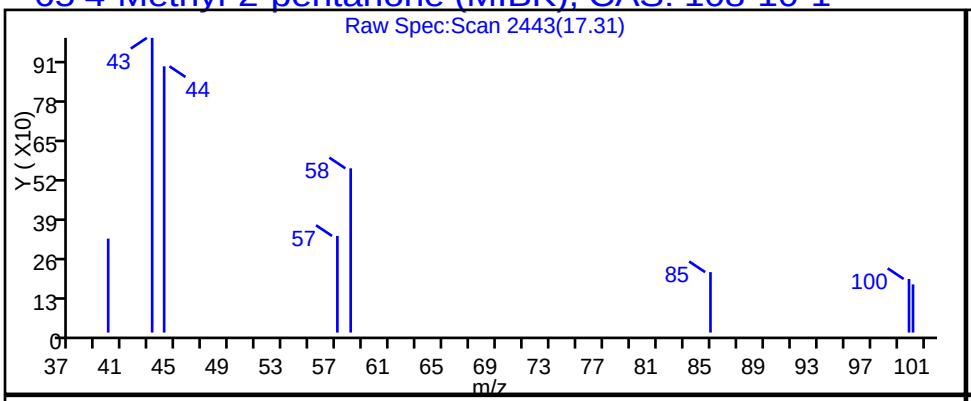
Report Date: 18-Jul-2014 10:16:43 Chrom Revision: 2.2 24-Jun-2014 07:21:42

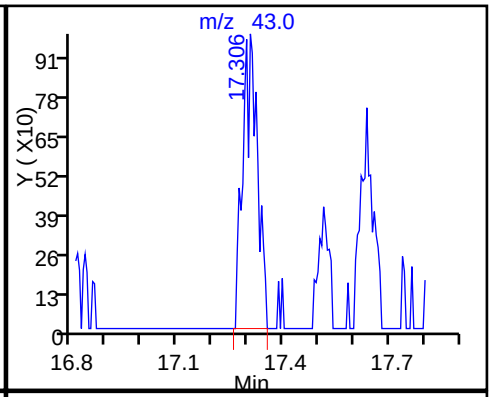
TestAmerica Burlington

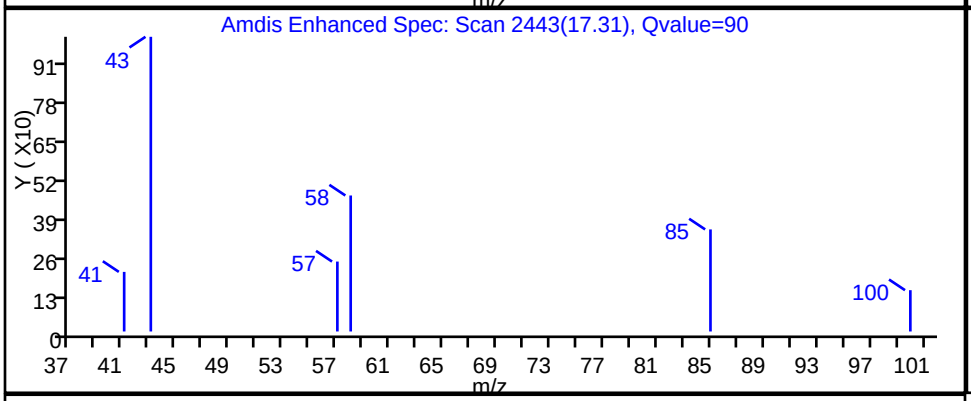
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

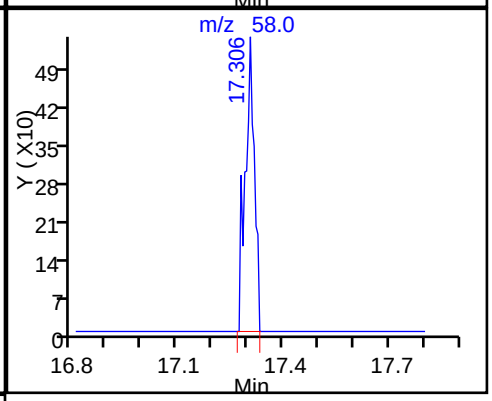
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

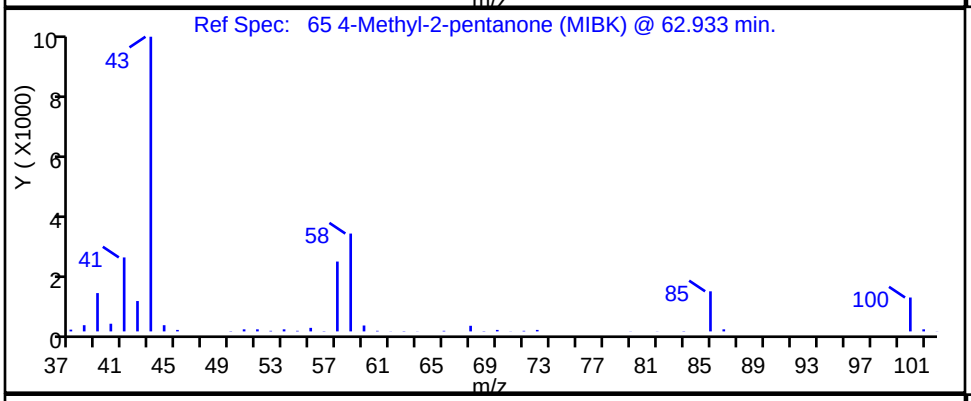
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

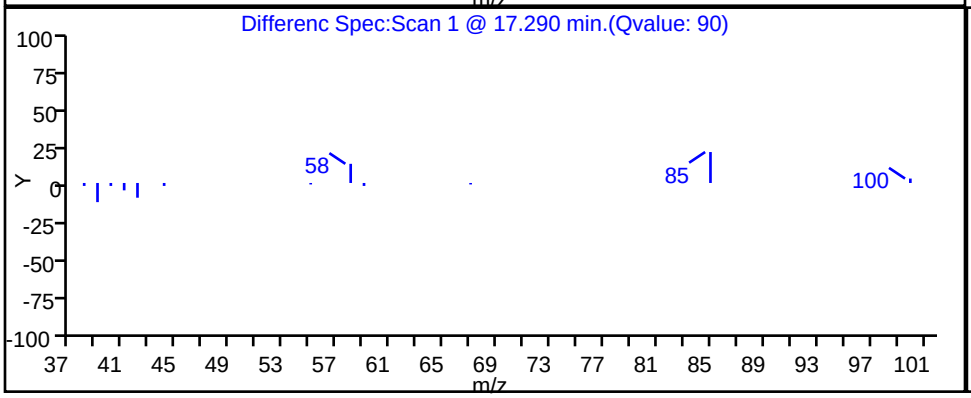


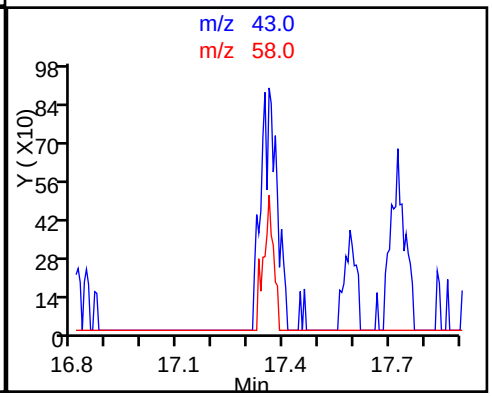












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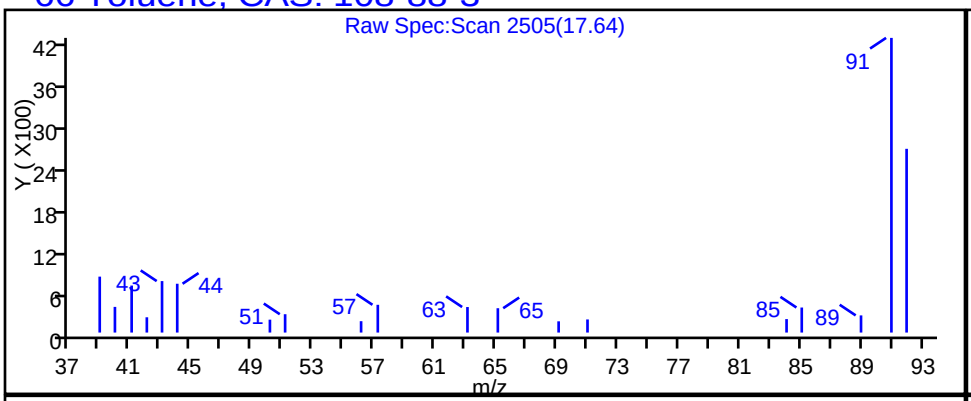
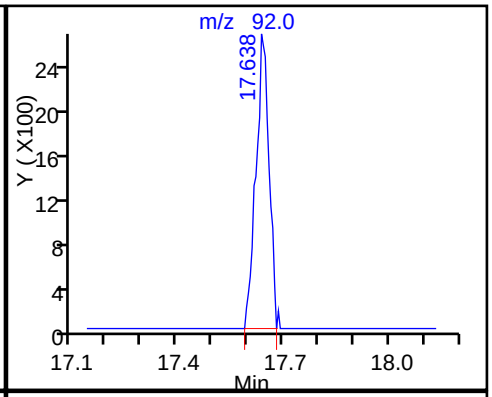
TestAmerica Burlington

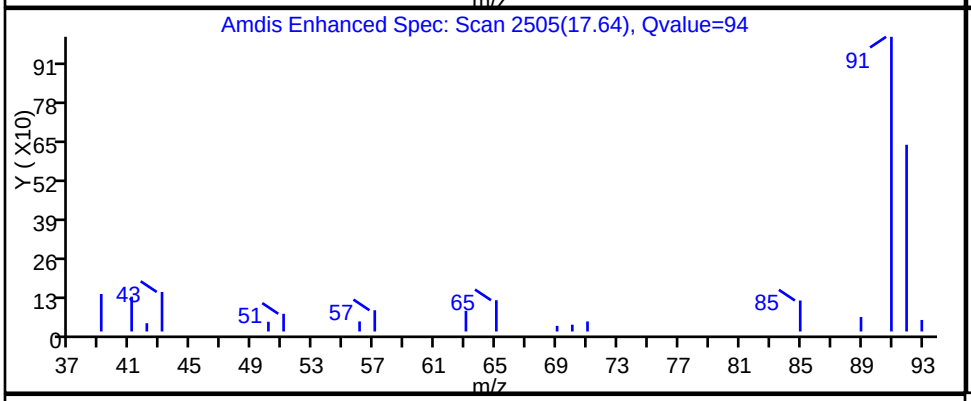
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

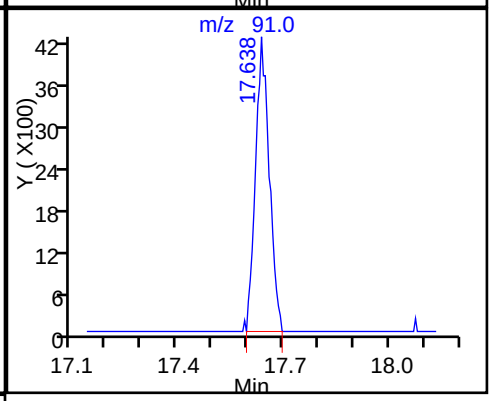
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

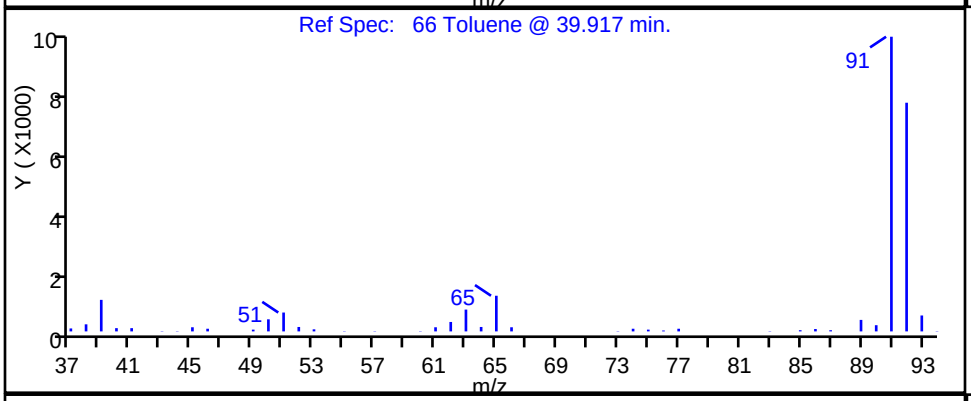
66 Toluene, CAS: 108-88-3

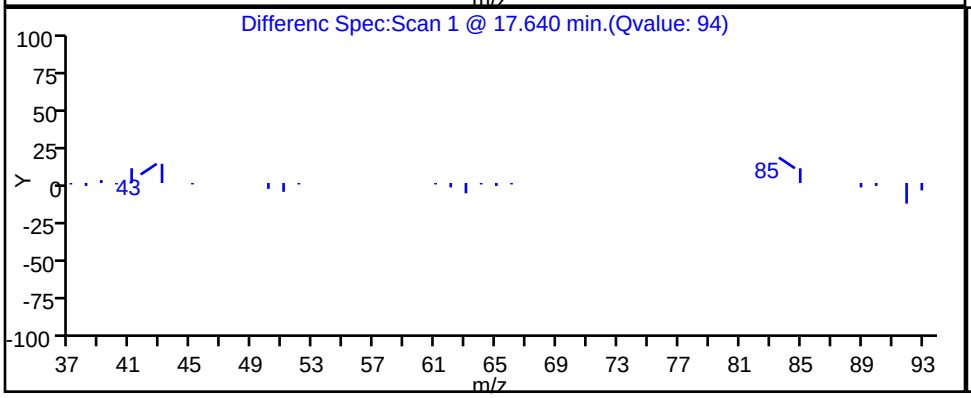


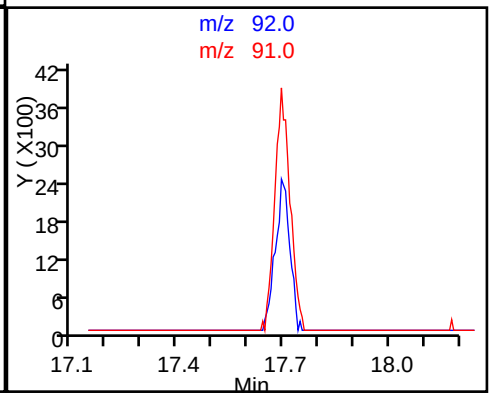












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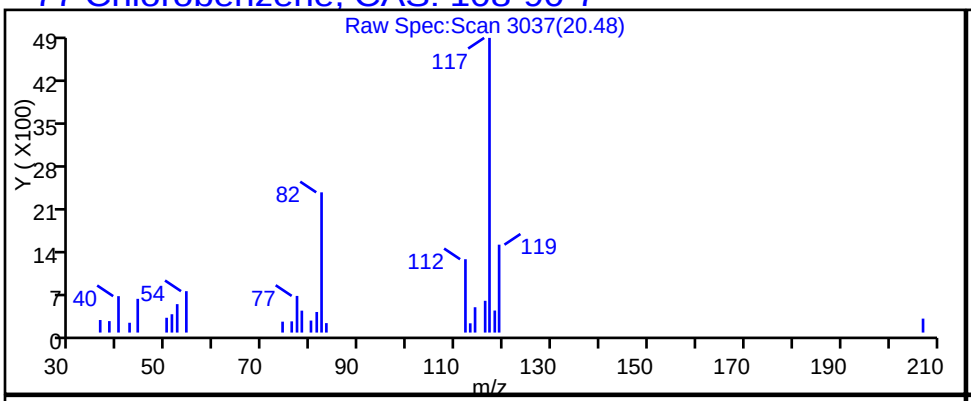
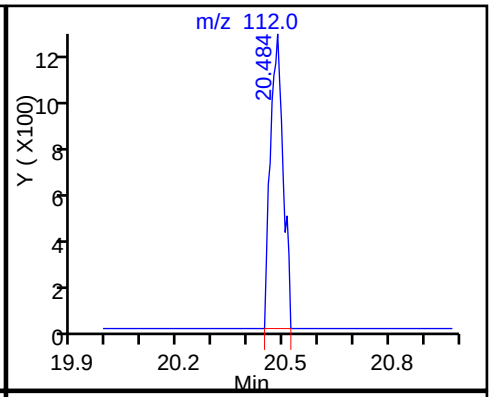
TestAmerica Burlington

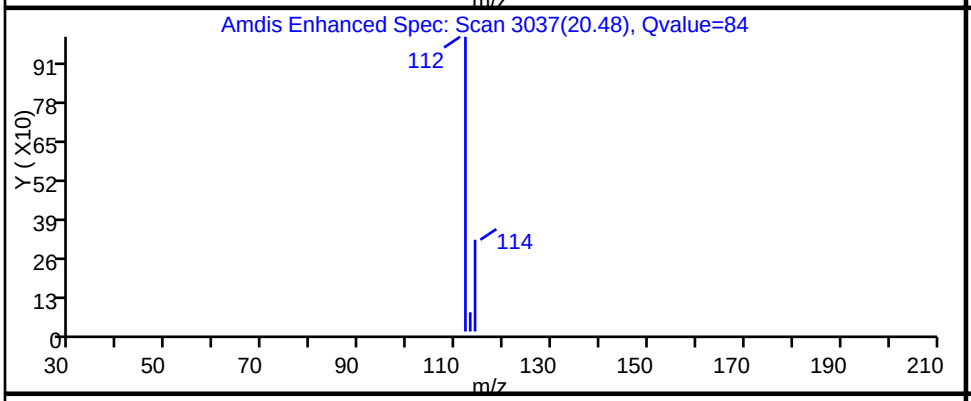
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

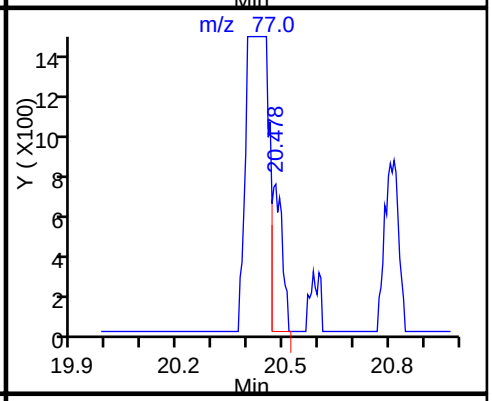
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

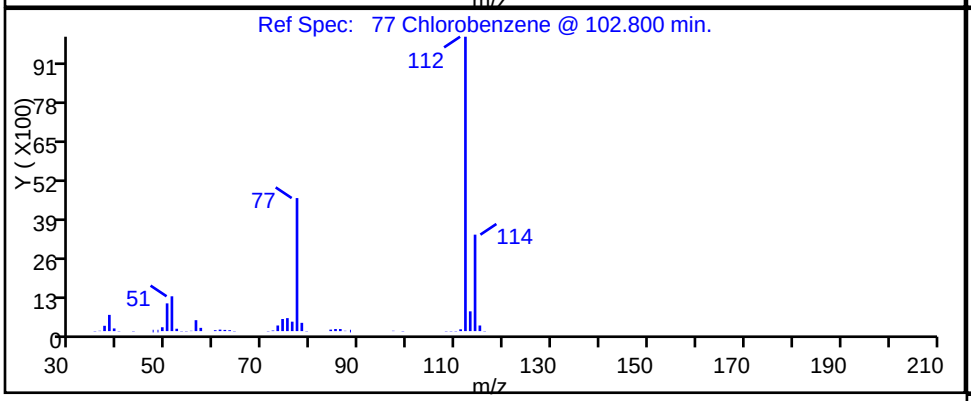
77 Chlorobenzene, CAS: 108-90-7

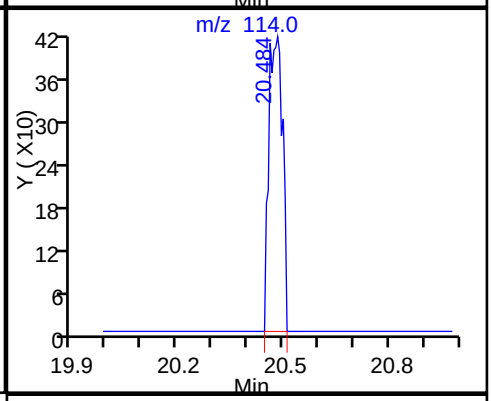


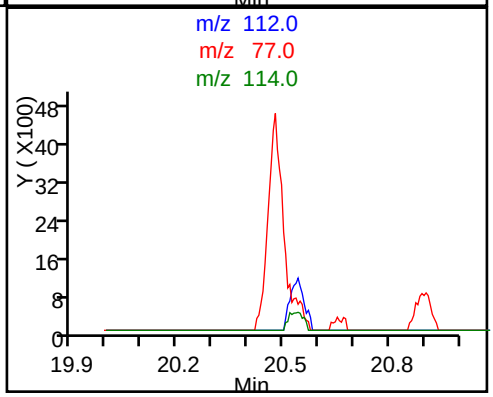












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TestAmerica Burlington

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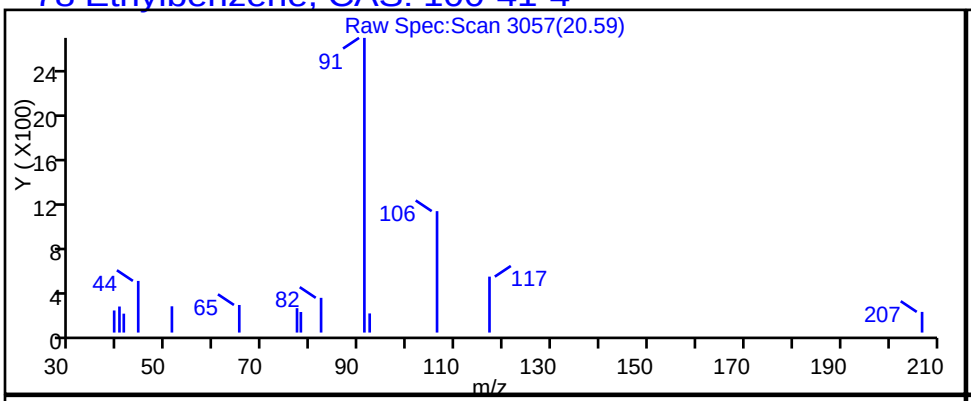
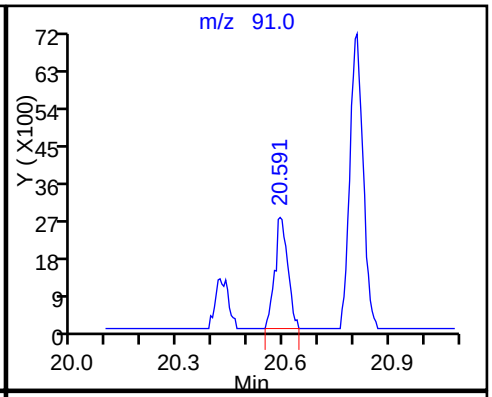
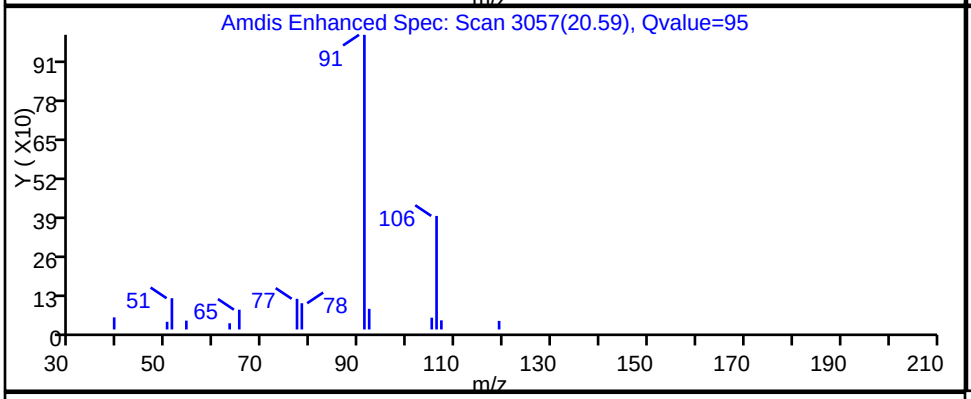
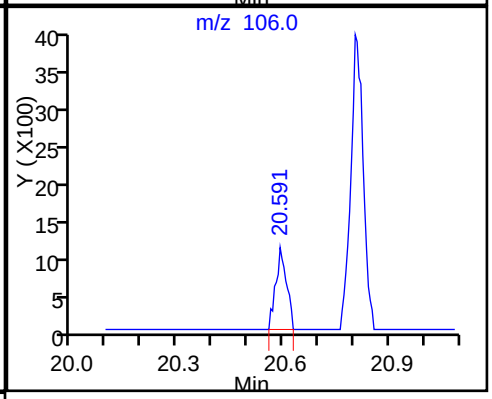
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

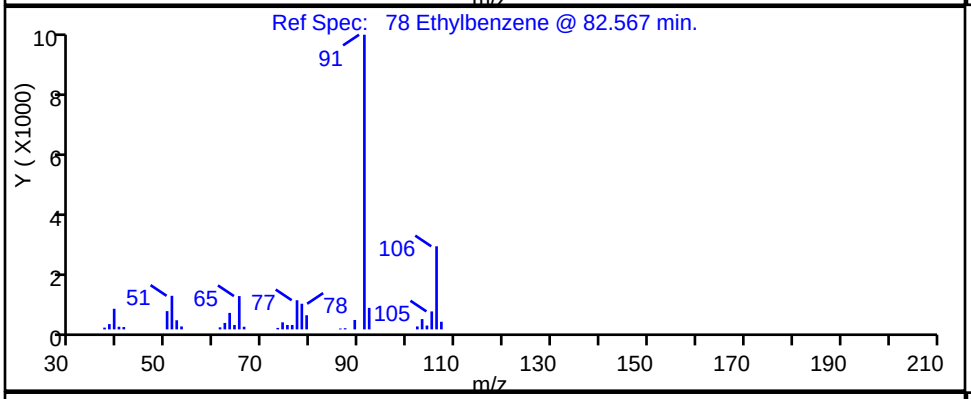
78 Ethylbenzene, CAS: 100-41-4

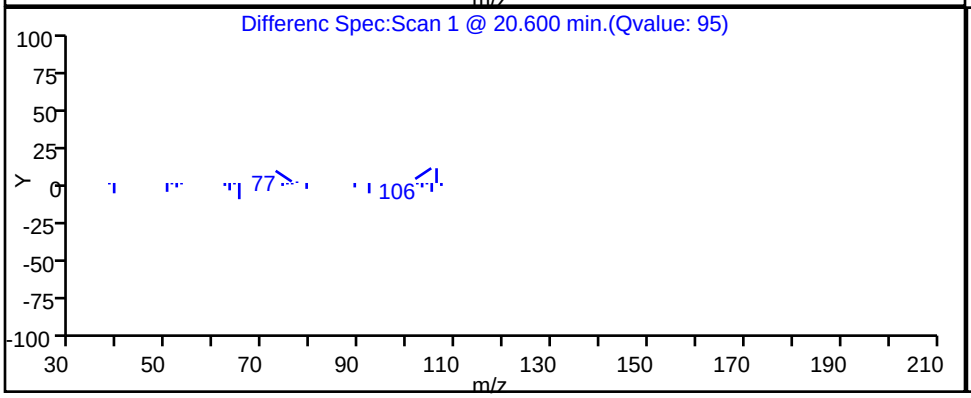


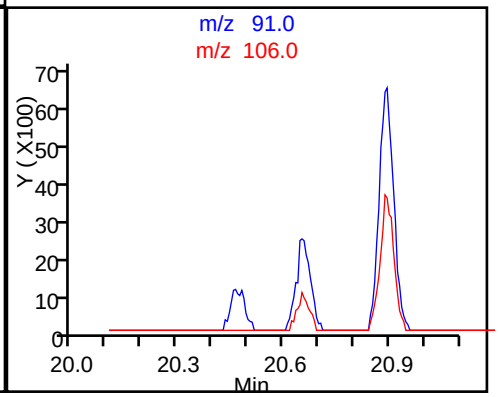












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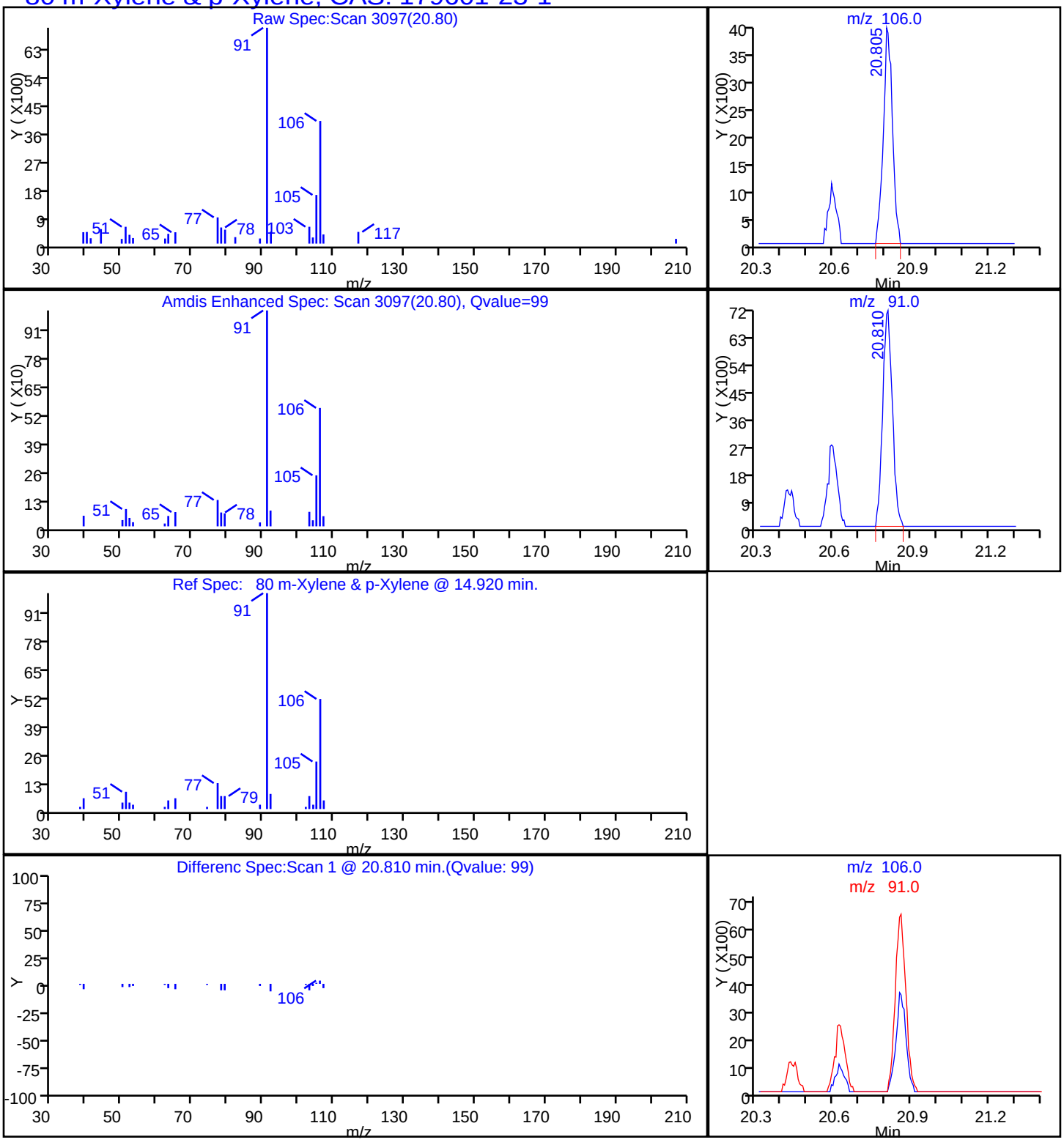
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



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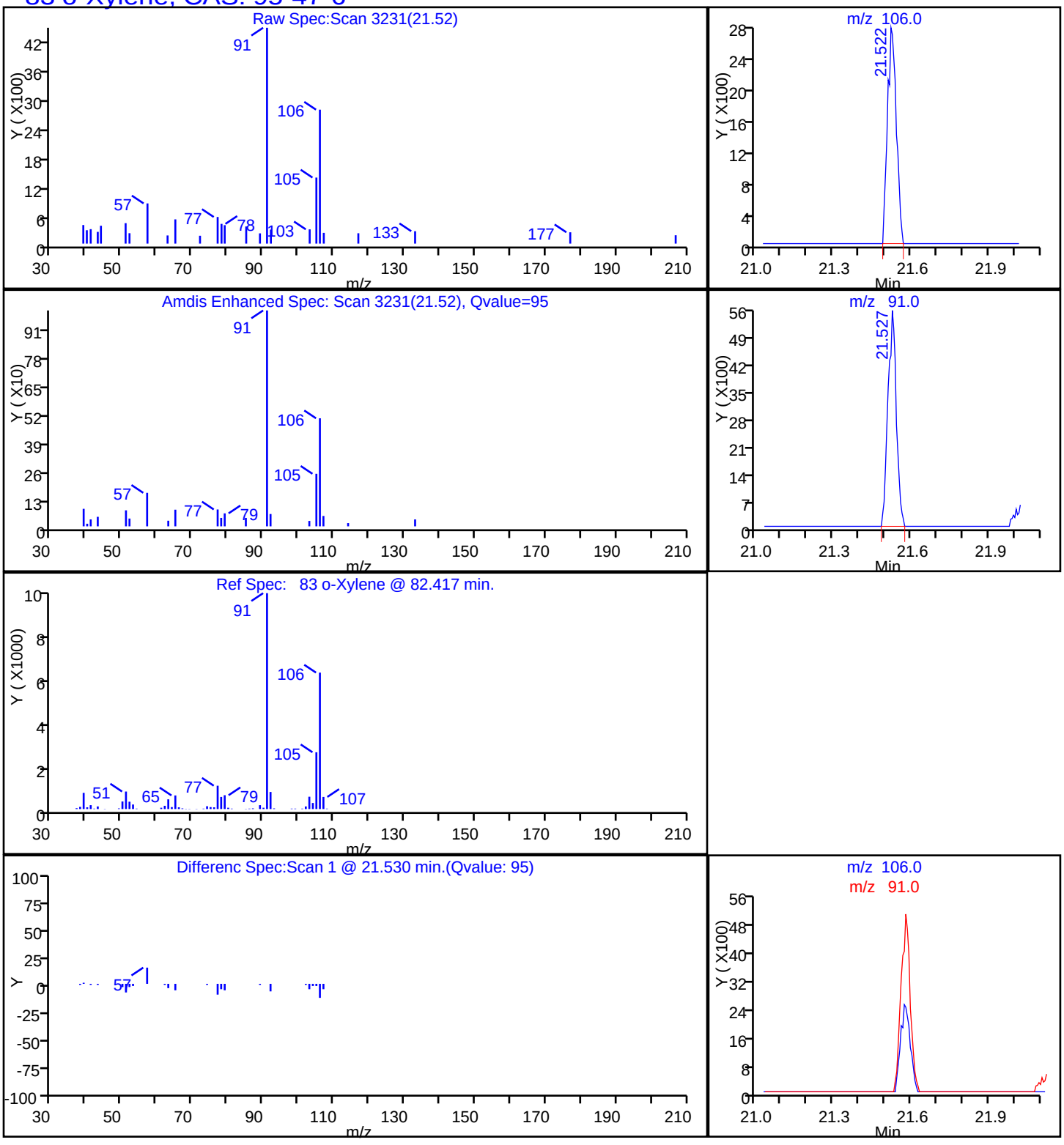
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



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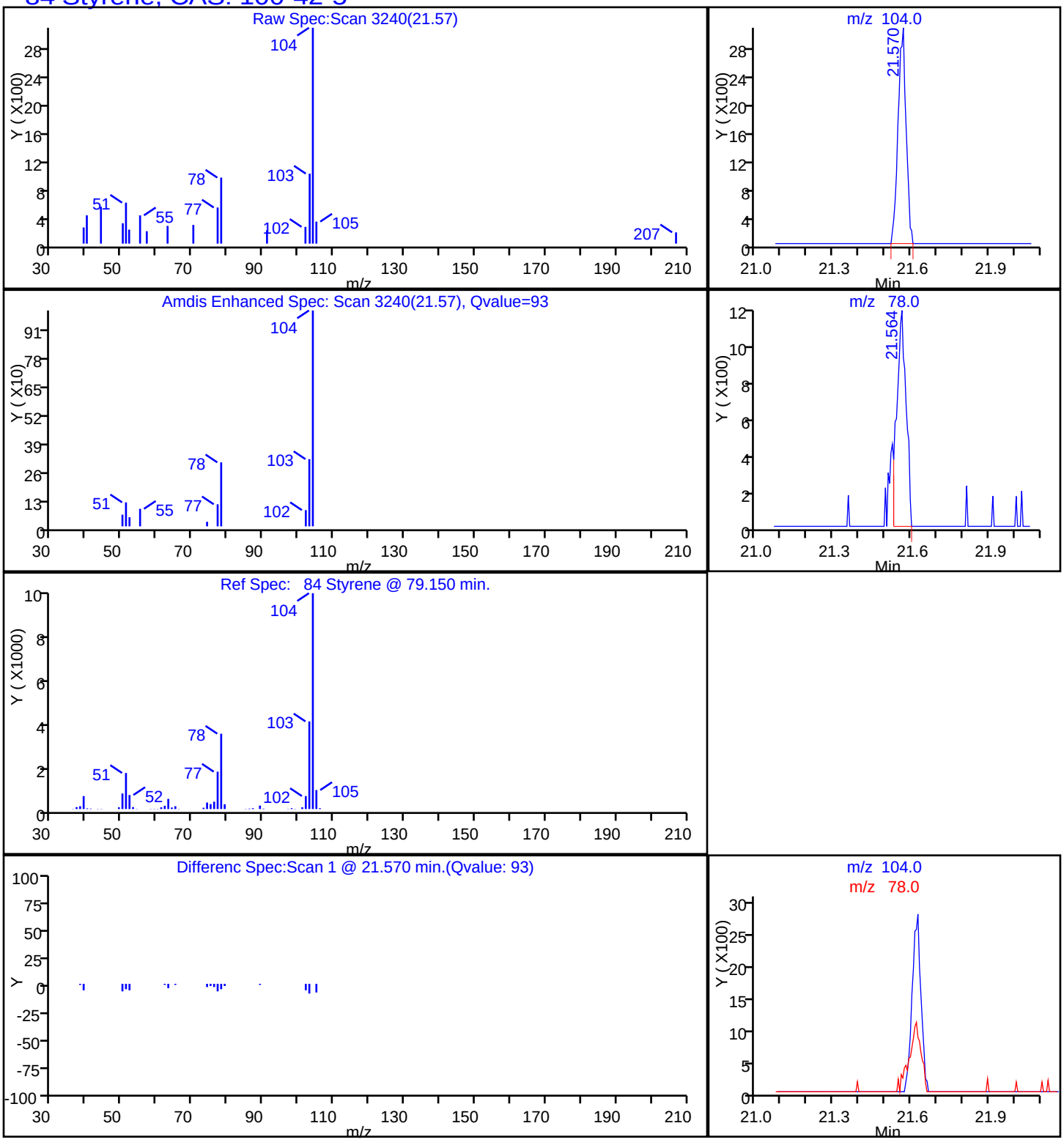
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3
Client ID:	GCTS POST CARBON		
Operator ID:	bl	ALS Bottle#:	6 Worklist Smp#: 7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

84 Styrene, CAS: 100-42-5



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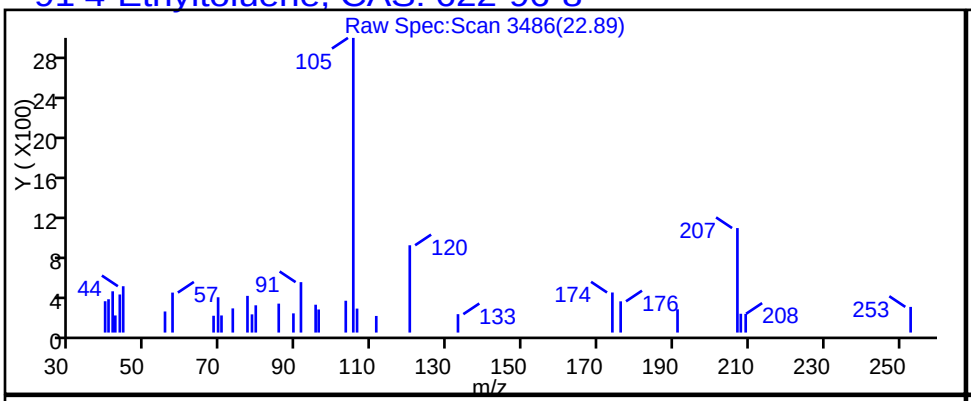
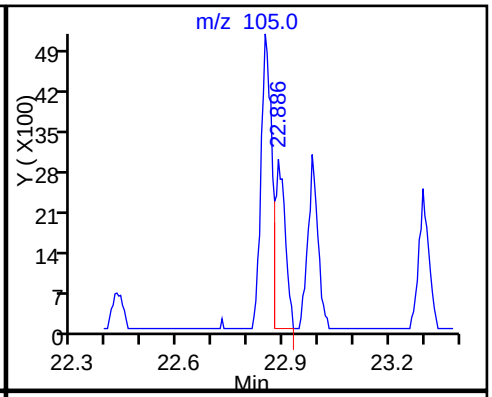
TestAmerica Burlington

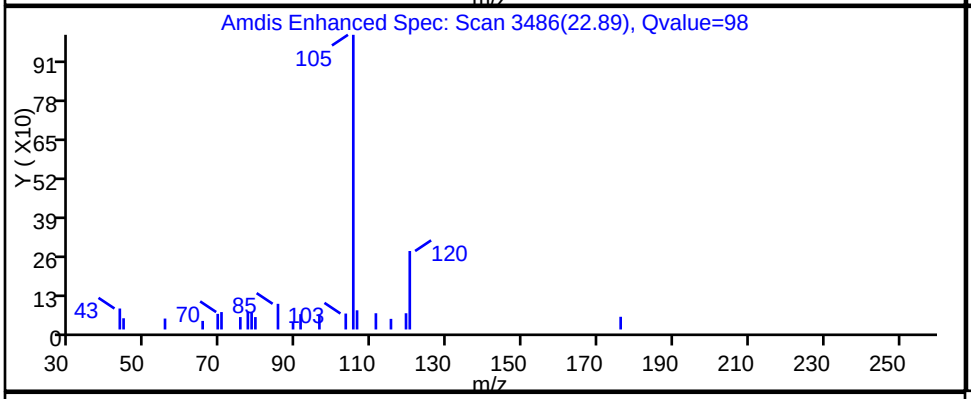
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

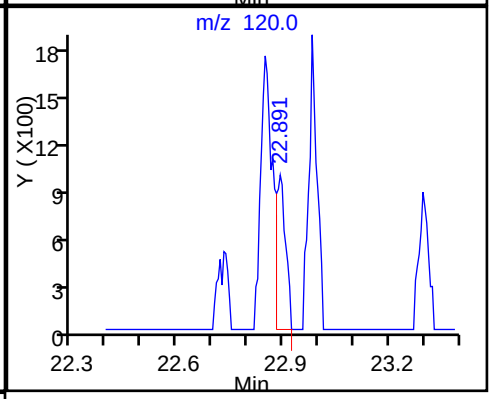
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3
Client ID:	GCTS POST CARBON		
Operator ID:	bl	ALS Bottle#:	6 Worklist Smp#: 7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

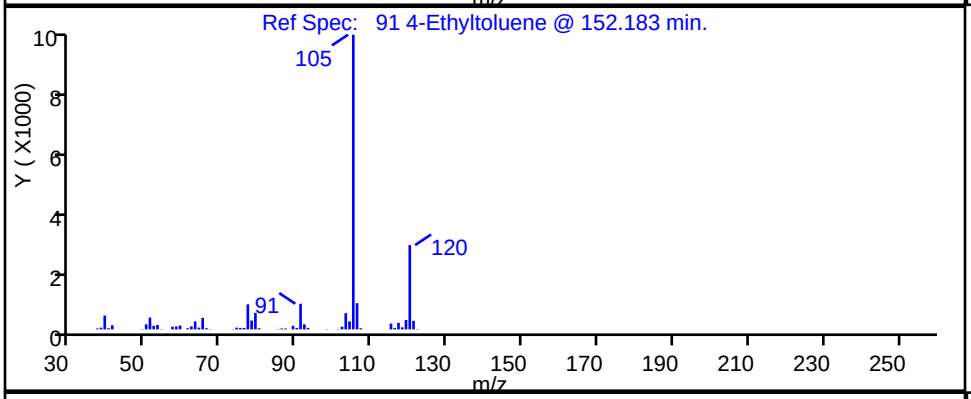
91 4-Ethyltoluene, CAS: 622-96-8

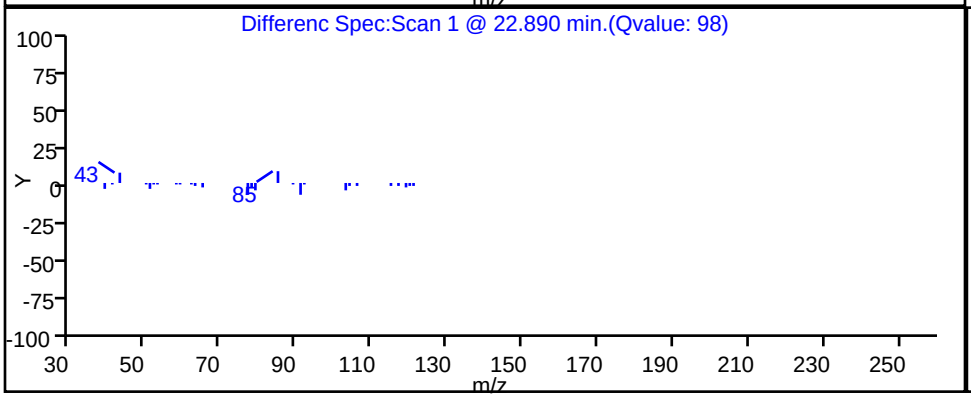


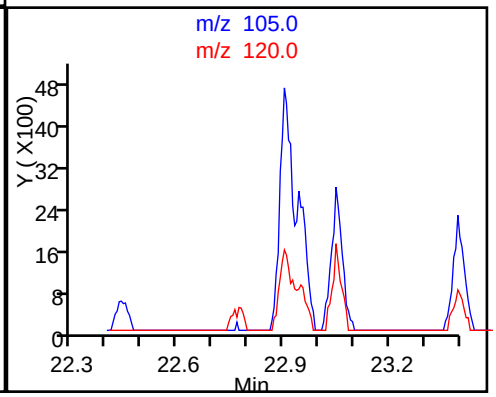












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TestAmerica Burlington

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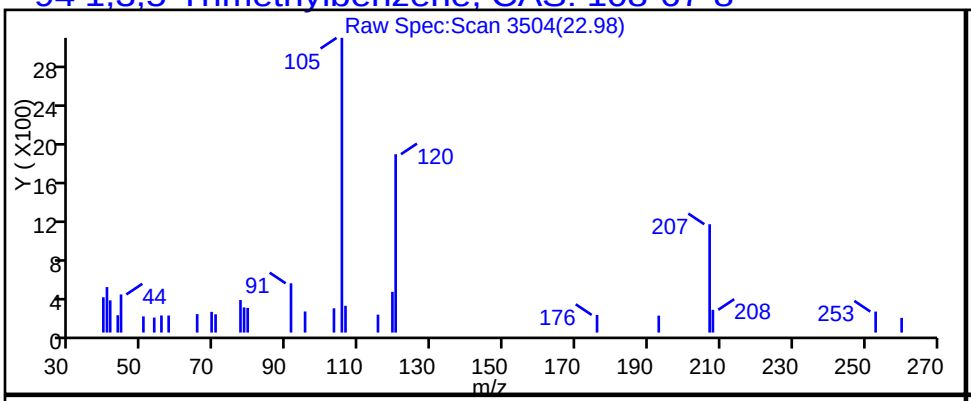
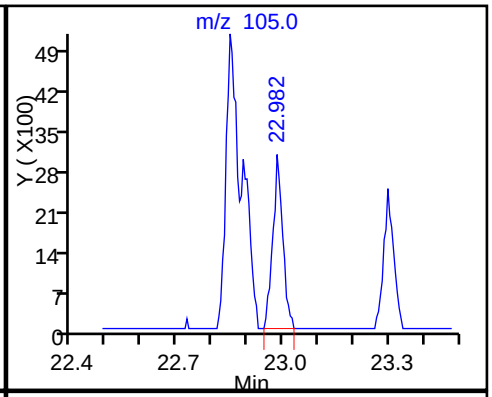
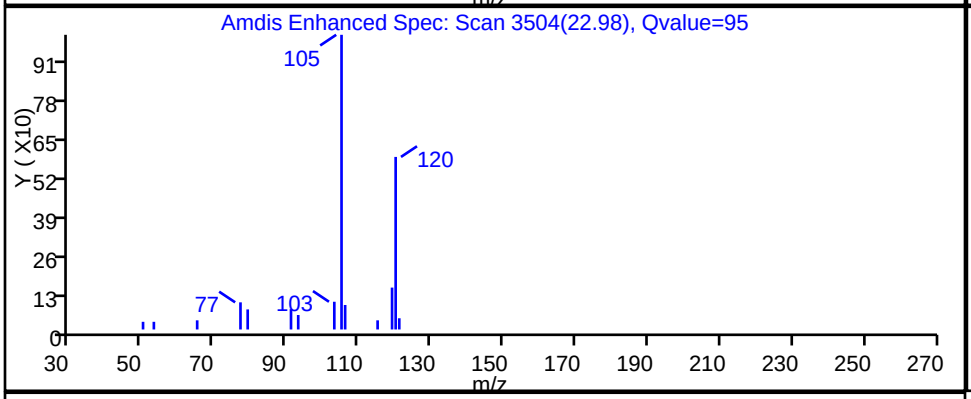
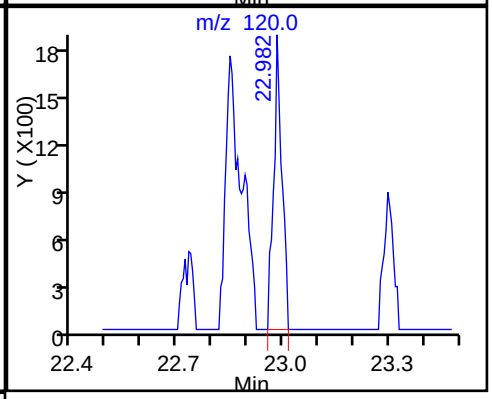
Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

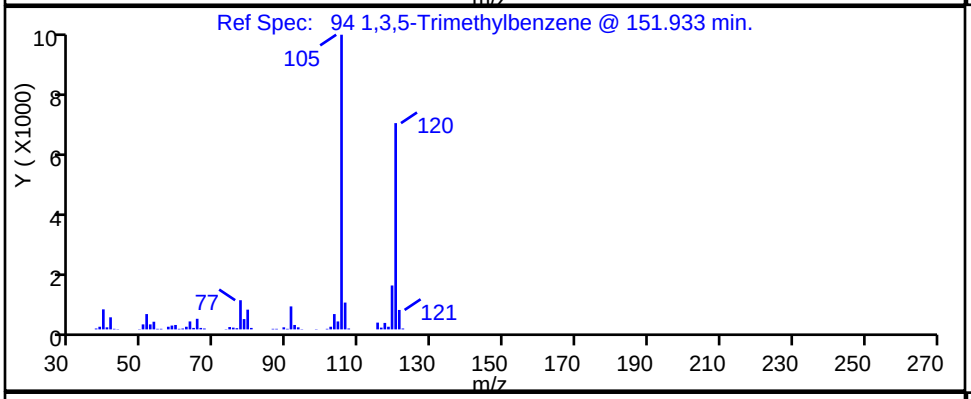
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

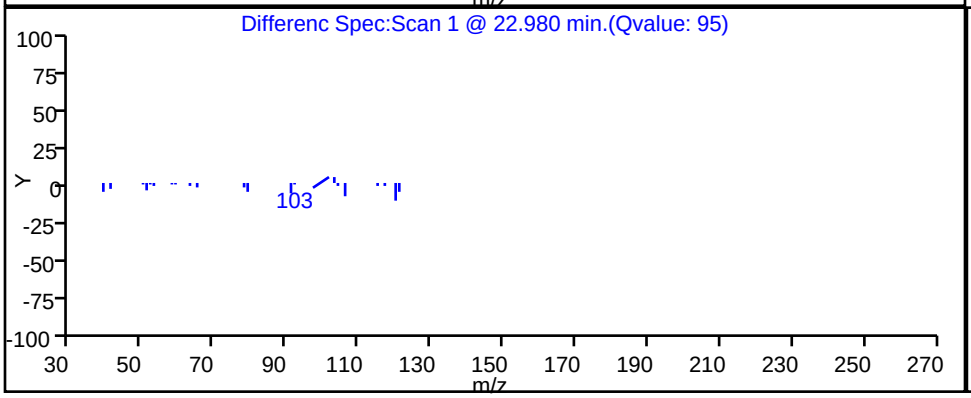


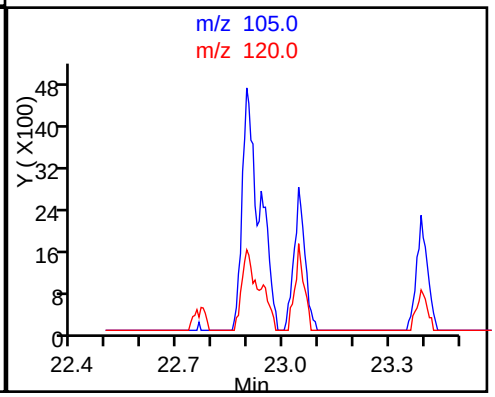












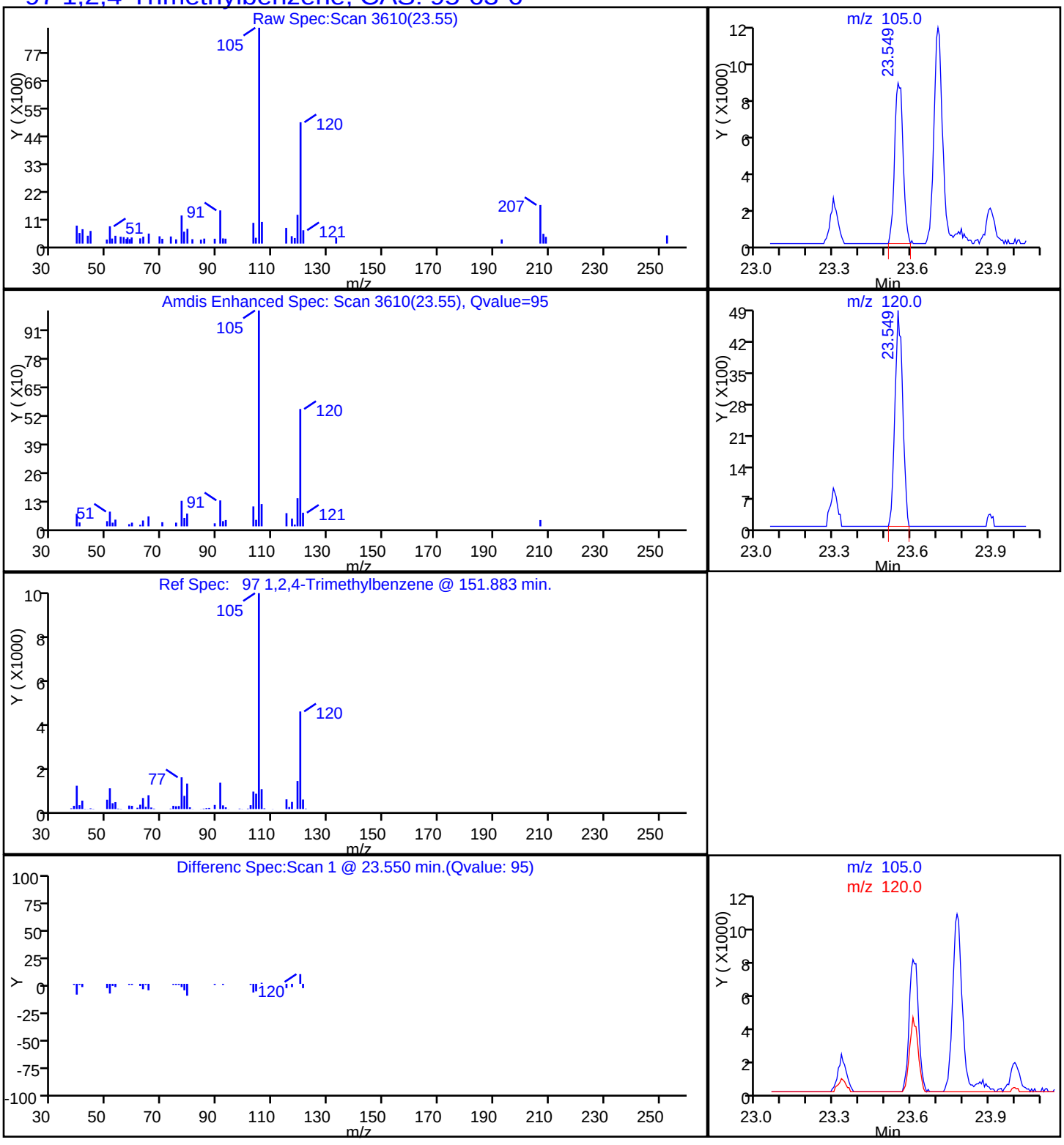
Report Date: 18-Jul-2014 10:16:43 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_007.d

Injection Date:	17-Jul-2014 15:50:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-3	Lab Sample ID:	200-23187-3		
Client ID:	GCTS POST CARBON				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 1,2,4-Trimethylbenzene, CAS: 95-63-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SSDS MID-CARBON Lab Sample ID: 200-23187-4

Matrix: Air Lab File ID: 8602_008.d

Analysis Method: TO-15 Date Collected: 07/10/2014 16:45

Sample wt/vol: 125(mL) Date Analyzed: 07/17/2014 16:40

Soil Aliquot Vol: Dilution Factor: 6

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	5.6		3.0	0.18
75-45-6	Freon 22	86.47	2.5	J	3.0	0.29
76-14-2	Freon-114	170.92	1.2	U	1.2	0.21
74-87-3	Chloromethane	50.49	1.4	J	3.0	0.82
106-97-8	n-Butane	58.12	21		3.0	1.7
75-01-4	Vinyl chloride	62.50	0.24	U	0.24	0.23
106-99-0	1,3-Butadiene	54.09	1.2	U	1.2	0.25
74-83-9	Bromomethane	94.94	1.2	U	1.2	0.17
75-00-3	Chloroethane	64.52	3.0	U	3.0	0.18
593-60-2	Vinyl bromide	106.96	1.2	U	1.2	0.18
75-69-4	Freon 11	137.37	5.5		1.2	0.18
76-13-1	Freon 113	187.38	1.5		1.2	0.11
75-35-4	1,1-Dichloroethene	96.94	1.2	U	1.2	0.14
67-64-1	Acetone	58.08	8.2	J	30	7.5
67-63-0	Isopropyl alcohol	60.10	130		30	1.3
75-15-0	Carbon disulfide	76.14	3.0	U	3.0	0.40
107-05-1	Allyl chloride	76.53	3.0	U	3.0	0.20
75-09-2	Methylene Chloride	84.93	130		3.0	0.75
75-65-0	tert-Butyl alcohol	74.12	30	U	30	2.0
1634-04-4	Methyl tert-butyl ether	88.15	1.2	U	1.2	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	1.9		1.2	0.17
110-54-3	Hexane	86.17	1.2	U	1.2	0.20
75-34-3	1,1-Dichloroethane	98.96	0.67	J	1.2	0.23
78-93-3	Methyl Ethyl Ketone	72.11	1.6	J	3.0	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	3.0		1.2	0.23
540-59-0	1,2-Dichloroethene, Total	96.94	4.9		1.2	0.38
67-66-3	Chloroform	119.38	9.5		1.2	0.15
109-99-9	Tetrahydrofuran	72.11	30	U	30	0.28
71-55-6	1,1,1-Trichloroethane	133.41	1.6		1.2	0.13
110-82-7	Cyclohexane	84.16	1.9		1.2	0.15
56-23-5	Carbon tetrachloride	153.81	0.22	J	0.24	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	1.2	U	1.2	0.16
71-43-2	Benzene	78.11	2.6		1.2	0.11
107-06-2	1,2-Dichloroethane	98.96	1.2	U	1.2	0.10
142-82-5	Heptane	100.21	1.2	U	1.2	0.28

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SSDS MID-CARBON Lab Sample ID: 200-23187-4

Matrix: Air Lab File ID: 8602_008.d

Analysis Method: TO-15 Date Collected: 07/10/2014 16:45

Sample wt/vol: 125(mL) Date Analyzed: 07/17/2014 16:40

Soil Aliquot Vol: Dilution Factor: 6

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.29		0.24	0.14
80-62-6	Methyl methacrylate	100.12	3.0	U	3.0	0.18
78-87-5	1,2-Dichloropropane	112.99	1.2	U	1.2	0.19
123-91-1	1,4-Dioxane	88.11	30	U	30	1.2
75-27-4	Bromodichloromethane	163.83	1.2	U	1.2	0.10
10061-01-5	cis-1,3-Dichloropropene	110.97	1.2	U	1.2	0.17
108-10-1	methyl isobutyl ketone	100.16	1.7	J	3.0	0.16
108-88-3	Toluene	92.14	0.69	J	1.2	0.10
10061-02-6	trans-1,3-Dichloropropene	110.97	1.2	U	1.2	0.13
79-00-5	1,1,2-Trichloroethane	133.41	1.2	U	1.2	0.10
127-18-4	Tetrachloroethene	165.83	1.2	U	1.2	0.096
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	3.0	U	3.0	1.2
124-48-1	Dibromochloromethane	208.29	1.2	U	1.2	0.12
106-93-4	1,2-Dibromoethane	187.87	1.2	U	1.2	0.12
108-90-7	Chlorobenzene	112.56	1.2	U	1.2	0.049
100-41-4	Ethylbenzene	106.17	0.62	J	1.2	0.078
179601-23-1	m,p-Xylene	106.17	2.1	J	3.0	0.14
95-47-6	Xylene, o-	106.17	0.76	J	1.2	0.096
1330-20-7	Xylene (total)	106.17	2.9		1.2	0.20
100-42-5	Styrene	104.15	1.2	U	1.2	0.11
75-25-2	Bromoform	252.75	1.2	U	1.2	0.060
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.2	U	1.2	0.096
103-65-1	n-Propylbenzene	120.19	1.2	U	1.2	0.48
622-96-8	4-Ethyltoluene	120.20	0.23	J	1.2	0.11
108-67-8	1,3,5-Trimethylbenzene	120.20	0.33	J	1.2	0.072
95-49-8	2-Chlorotoluene	126.59	1.2	U	1.2	0.078
98-06-6	tert-Butylbenzene	134.22	1.2	U	1.2	0.10
95-63-6	1,2,4-Trimethylbenzene	120.20	1.0	J	1.2	0.084
135-98-8	sec-Butylbenzene	134.22	1.2	U	1.2	0.48
99-87-6	4-Isopropyltoluene	134.22	1.2	U	1.2	0.48
541-73-1	1,3-Dichlorobenzene	147.00	0.80	J B	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.2	U	1.2	0.48
104-51-8	n-Butylbenzene	134.22	1.2	U	1.2	0.48

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SSDS MID-CARBON Lab Sample ID: 200-23187-4

Matrix: Air Lab File ID: 8602_008.d

Analysis Method: TO-15 Date Collected: 07/10/2014 16:45

Sample wt/vol: 125(mL) Date Analyzed: 07/17/2014 16:40

Soil Aliquot Vol: Dilution Factor: 6

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.0	U	3.0	0.16
87-68-3	Hexachloro-1,3-butadiene	260.76	1.2	U	1.2	0.13
91-20-3	Naphthalene	128.17	3.0	U	3.0	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SSDS MID-CARBON Lab Sample ID: 200-23187-4

Matrix: Air Lab File ID: 8602_008.d

Analysis Method: TO-15 Date Collected: 07/10/2014 16:45

Sample wt/vol: 125(mL) Date Analyzed: 07/17/2014 16:40

Soil Aliquot Vol: Dilution Factor: 6

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	28		15	0.89
75-45-6	Freon 22	86.47	9.0	J	11	1.0
76-14-2	Freon-114	170.92	8.4	U	8.4	1.5
74-87-3	Chloromethane	50.49	3.0	J	6.2	1.7
106-97-8	n-Butane	58.12	49		7.1	4.0
75-01-4	Vinyl chloride	62.50	0.61	U	0.61	0.58
106-99-0	1,3-Butadiene	54.09	2.7	U	2.7	0.56
74-83-9	Bromomethane	94.94	4.7	U	4.7	0.65
75-00-3	Chloroethane	64.52	7.9	U	7.9	0.47
593-60-2	Vinyl bromide	106.96	5.2	U	5.2	0.79
75-69-4	Freon 11	137.37	31		6.7	1.0
76-13-1	Freon 113	187.38	11		9.2	0.83
75-35-4	1,1-Dichloroethene	96.94	4.8	U	4.8	0.57
67-64-1	Acetone	58.08	19	J	71	18
67-63-0	Isopropyl alcohol	60.10	320		74	3.2
75-15-0	Carbon disulfide	76.14	9.3	U	9.3	1.2
107-05-1	Allyl chloride	76.53	9.4	U	9.4	0.64
75-09-2	Methylene Chloride	84.93	460		10	2.6
75-65-0	tert-Butyl alcohol	74.12	91	U	91	6.0
1634-04-4	Methyl tert-butyl ether	88.15	4.3	U	4.3	0.48
156-60-5	trans-1,2-Dichloroethene	96.94	7.7		4.8	0.69
110-54-3	Hexane	86.17	4.2	U	4.2	0.72
75-34-3	1,1-Dichloroethane	98.96	2.7	J	4.9	0.92
78-93-3	Methyl Ethyl Ketone	72.11	4.7	J	8.8	4.3
156-59-2	cis-1,2-Dichloroethene	96.94	12		4.8	0.90
540-59-0	1,2-Dichloroethene, Total	96.94	19		4.8	1.5
67-66-3	Chloroform	119.38	46		5.9	0.73
109-99-9	Tetrahydrofuran	72.11	88	U	88	0.81
71-55-6	1,1,1-Trichloroethane	133.41	9.0		6.5	0.69
110-82-7	Cyclohexane	84.16	6.6		4.1	0.52
56-23-5	Carbon tetrachloride	153.81	1.4	J	1.5	0.79
540-84-1	2,2,4-Trimethylpentane	114.23	5.6	U	5.6	0.76
71-43-2	Benzene	78.11	8.2		3.8	0.36
107-06-2	1,2-Dichloroethane	98.96	4.9	U	4.9	0.41
142-82-5	Heptane	100.21	4.9	U	4.9	1.1

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SSDS MID-CARBON Lab Sample ID: 200-23187-4

Matrix: Air Lab File ID: 8602_008.d

Analysis Method: TO-15 Date Collected: 07/10/2014 16:45

Sample wt/vol: 125(mL) Date Analyzed: 07/17/2014 16:40

Soil Aliquot Vol: Dilution Factor: 6

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.6		1.3	0.77
80-62-6	Methyl methacrylate	100.12	12	U	12	0.74
78-87-5	1,2-Dichloropropane	112.99	5.5	U	5.5	0.89
123-91-1	1,4-Dioxane	88.11	110	U	110	4.3
75-27-4	Bromodichloromethane	163.83	8.0	U	8.0	0.68
10061-01-5	cis-1,3-Dichloropropene	110.97	5.4	U	5.4	0.76
108-10-1	methyl isobutyl ketone	100.16	6.8	J	12	0.66
108-88-3	Toluene	92.14	2.6	J	4.5	0.38
10061-02-6	trans-1,3-Dichloropropene	110.97	5.4	U	5.4	0.60
79-00-5	1,1,2-Trichloroethane	133.41	6.5	U	6.5	0.56
127-18-4	Tetrachloroethene	165.83	8.1	U	8.1	0.65
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	12	U	12	4.9
124-48-1	Dibromochloromethane	208.29	10	U	10	1.0
106-93-4	1,2-Dibromoethane	187.87	9.2	U	9.2	0.92
108-90-7	Chlorobenzene	112.56	5.5	U	5.5	0.22
100-41-4	Ethylbenzene	106.17	2.7	J	5.2	0.34
179601-23-1	m,p-Xylene	106.17	9.1	J	13	0.60
95-47-6	Xylene, o-	106.17	3.3	J	5.2	0.42
1330-20-7	Xylene (total)	106.17	12		5.2	0.89
100-42-5	Styrene	104.15	5.1	U	5.1	0.46
75-25-2	Bromoform	252.75	12	U	12	0.62
79-34-5	1,1,2,2-Tetrachloroethane	167.85	8.2	U	8.2	0.66
103-65-1	n-Propylbenzene	120.19	5.9	U	5.9	2.4
622-96-8	4-Ethyltoluene	120.20	1.1	J	5.9	0.53
108-67-8	1,3,5-Trimethylbenzene	120.20	1.6	J	5.9	0.35
95-49-8	2-Chlorotoluene	126.59	6.2	U	6.2	0.40
98-06-6	tert-Butylbenzene	134.22	6.6	U	6.6	0.56
95-63-6	1,2,4-Trimethylbenzene	120.20	5.1	J	5.9	0.41
135-98-8	sec-Butylbenzene	134.22	6.6	U	6.6	2.6
99-87-6	4-Isopropyltoluene	134.22	6.6	U	6.6	2.6
541-73-1	1,3-Dichlorobenzene	147.00	4.8	J B	7.2	0.51
106-46-7	1,4-Dichlorobenzene	147.00	7.2	U	7.2	0.51
100-44-7	Benzyl chloride	126.58	6.2	U	6.2	2.5
104-51-8	n-Butylbenzene	134.22	6.6	U	6.6	2.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SSDS MID-CARBON Lab Sample ID: 200-23187-4

Matrix: Air Lab File ID: 8602_008.d

Analysis Method: TO-15 Date Collected: 07/10/2014 16:45

Sample wt/vol: 125(mL) Date Analyzed: 07/17/2014 16:40

Soil Aliquot Vol: Dilution Factor: 6

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	7.2	U	7.2	0.51
120-82-1	1,2,4-Trichlorobenzene	181.45	22	U	22	1.2
87-68-3	Hexachloro-1,3-butadiene	260.76	13	U	13	1.4
91-20-3	Naphthalene	128.17	16	U	16	6.3

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d
Lims ID: 200-23187-A-4 Lab Sample ID: 200-23187-4
Client ID: SSDS MID-CARBON
Sample Type: Client
Inject. Date: 17-Jul-2014 16:40:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 6.0000
Sample Info: 200-0008602-008
Misc. Info.: 200-23187-A-4
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Jul-2014 10:06:54 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 18-Jul-2014 09:31:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.488	4.488	0.000	79	115817	0.9344	
6 Chlorodifluoromethane	51	4.558	4.552	0.006	42	26172	0.4223	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.836				ND	
8 Chloromethane	50	5.034	5.034	0.000	88	8818	0.2404	
9 Butane	43	5.296	5.291	0.006	98	209344	3.44	
10 Vinyl chloride	62		5.349				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.318				ND	
14 Chloroethane	64		6.601				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101	7.201	7.190	0.011	84	125776	0.9196	
23 1,1,2-Trichloro-1,2,2-trif	101	8.447	8.436	0.011	88	25447	0.2427	
24 1,1-Dichloroethene	96		8.511				ND	
25 Acetone	43	8.747	8.741	0.006	88	88333	1.37	
26 Carbon disulfide	76		9.003				ND	
27 Isopropyl alcohol	45	9.025	9.025	0.000	98	1193971	21.9	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49	9.731	9.731	0.000	79	973506	21.9	
32 2-Methyl-2-propanol	59		9.897				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61				0		0.8259	
34 trans-1,2-Dichloroethene	61	10.229	10.228	0.001	72	19933	0.3231	
36 Hexane	57		10.640				ND	
37 1,1-Dichloroethane	63	11.202	11.191	0.011	59	9107	0.1117	
39 cis-1,2-Dichloroethene	96	12.358	12.363	-0.005	82	29056	0.5028	
40 2-Butanone (MEK)	72	12.374	12.379	-0.005	81	7299	0.2673	
44 Tetrahydrofuran	42		12.839				ND	
* 43 Chlorobromomethane	128	12.845	12.850	-0.005	74	423905	10.0	
45 Chloroform	83	12.957	12.957	0.000	84	159314	1.58	
46 Cyclohexane	84	13.251	13.256	-0.005	78	24495	0.3198	
47 1,1,1-Trichloroethane	97	13.267	13.262	0.005	80	29939	0.2742	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	13.524	13.524	0.000	73	4485	0.0375	
51 Isooctane	57		13.909				ND	
50 Benzene	78	13.968	13.973	-0.005	91	69094	0.4262	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.262				ND	
* 54 1,4-Difluorobenzene	114	14.728	14.727	0.001	92	2066296	10.0	
56 Trichloroethene	95	15.198	15.198	0.000	44	3669	0.0483	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.888				ND	
62 Dichlorobromomethane	83		16.209				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43	17.296	17.301	-0.005	92	26444	0.2776	
66 Toluene	92	17.638	17.638	0.000	86	15130	0.1148	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166		18.681				ND	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.4774	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	80	1855363	10.0	
77 Chlorobenzene	112		20.478				ND	
78 Ethylbenzene	91	20.596	20.596	0.000	80	27105	0.1034	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	98	39228	0.3501	
83 o-Xylene	106	21.527	21.527	0.000	90	14565	0.1273	
84 Styrene	104		21.564				ND	
85 Bromoform	173		21.949				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.436	-0.010	98	1195951	NC	
88 1,1,2,2-Tetrachloroethane	83		22.666				ND	
90 N-Propylbenzene	91		22.741				ND	
91 4-Ethyltoluene	105	22.886	22.907	-0.021	79	11813	0.0380	
92 2-Chlorotoluene	91		22.945				ND	
94 1,3,5-Trimethylbenzene	105	22.982	22.998	-0.016	79	14795	0.0557	
96 tert-Butylbenzene	119		23.474				ND	
97 1,2,4-Trimethylbenzene	105	23.555	23.565	-0.010	93	46034	0.1723	
98 sec-Butylbenzene	105		23.806				ND	
99 4-Isopropyltoluene	119		24.009				ND	
100 1,3-Dichlorobenzene	146	24.063	24.079	-0.016	95	27718	0.1340	
101 1,4-Dichlorobenzene	146		24.223				ND	
102 Benzyl chloride	91		24.432				ND	
103 n-Butylbenzene	91		24.640				ND	
105 1,2-Dichlorobenzene	146		24.828				ND	
107 1,2,4-Trichlorobenzene	180		27.706				ND	
108 Hexachlorobutadiene	225		27.904				ND	
109 Naphthalene	128		28.289				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

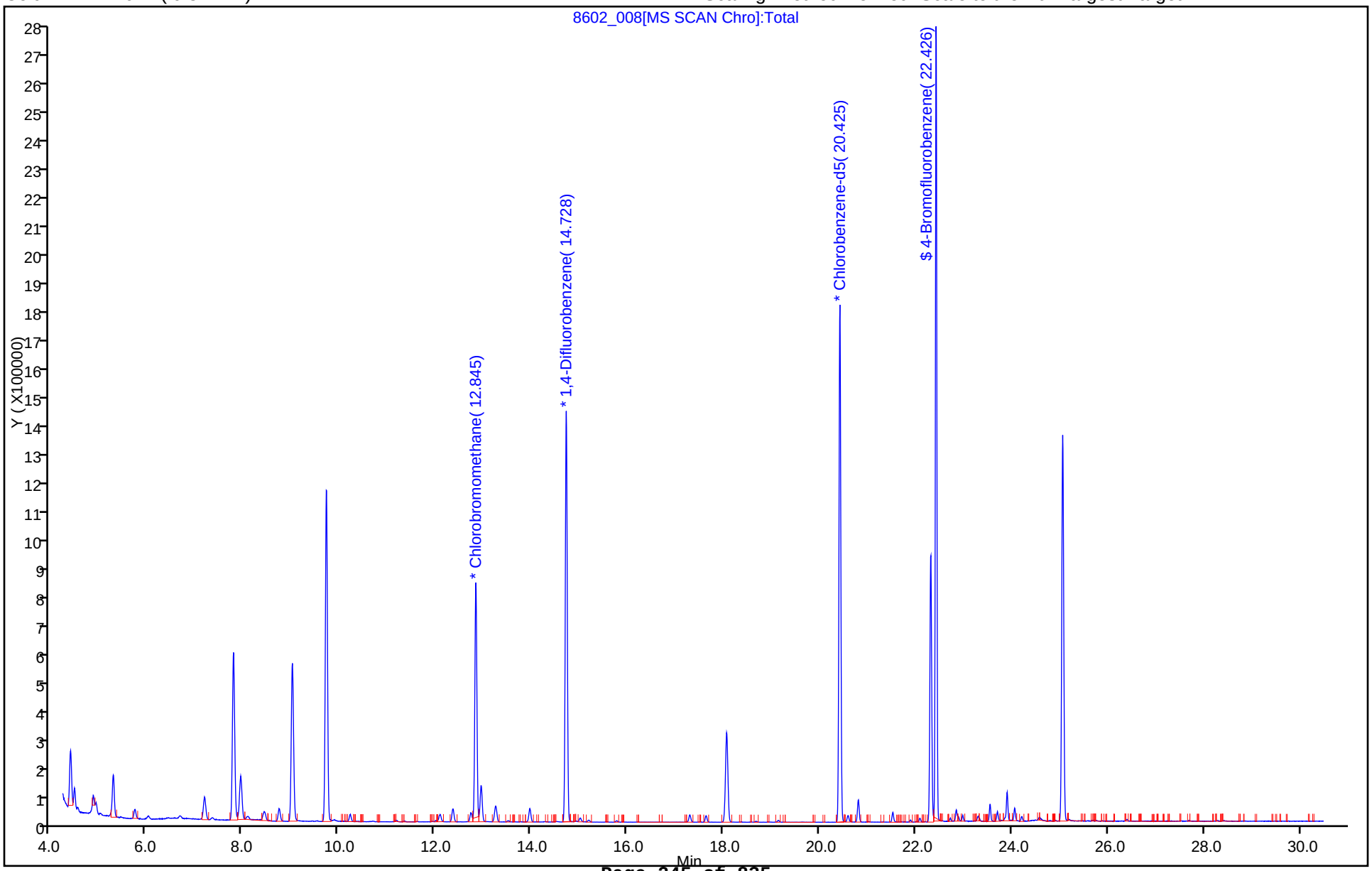
Report Date: 18-Jul-2014 10:16:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4	Worklist Smp#:	8
Client ID:	SSDS MID-CARBON				
Purge Vol:	200.000 mL	Dil. Factor:	6.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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TestAmerica Burlington

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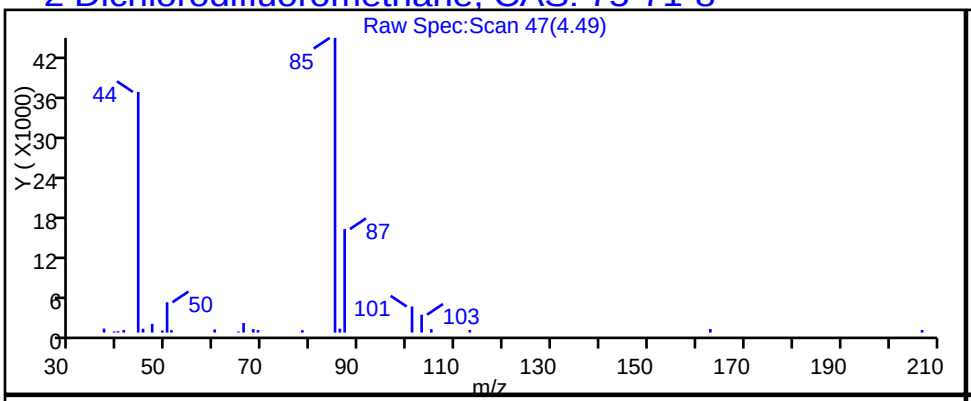
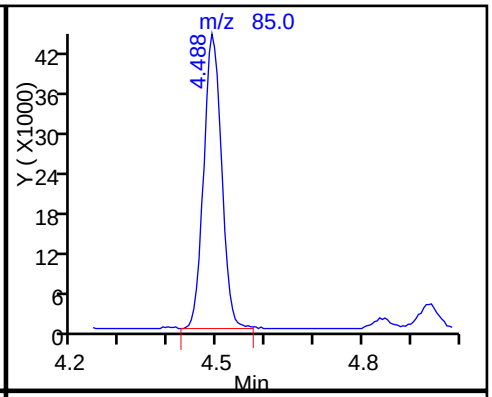
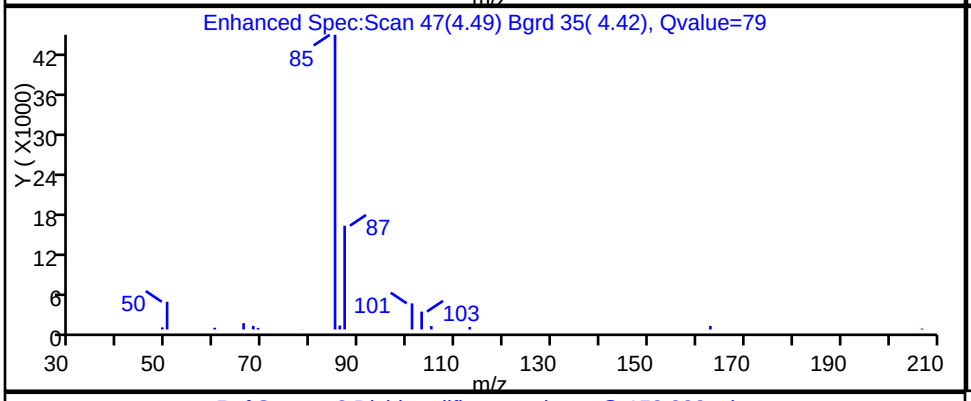
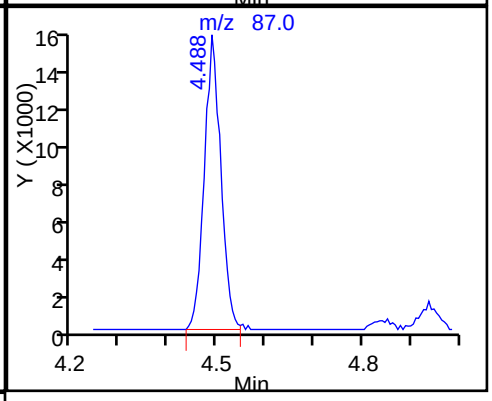
Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

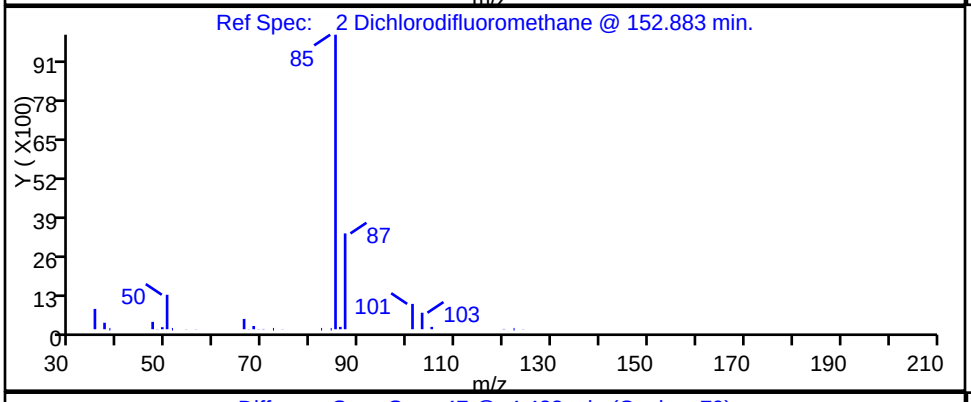
2 Dichlorodifluoromethane, CAS: 75-71-8

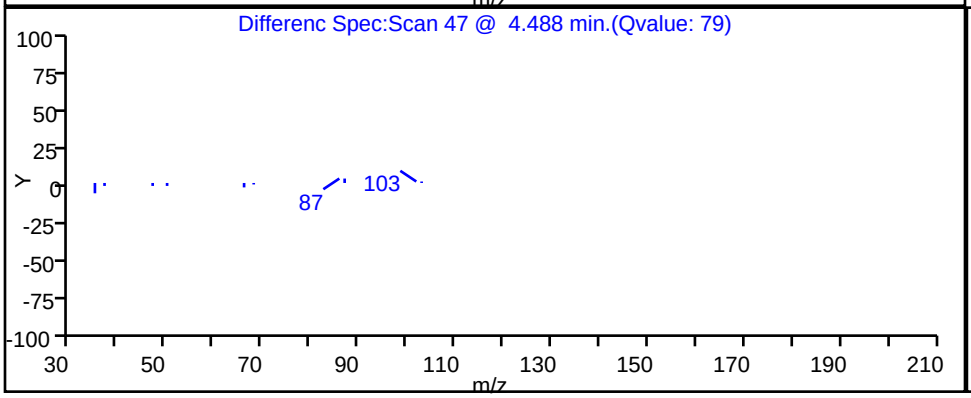


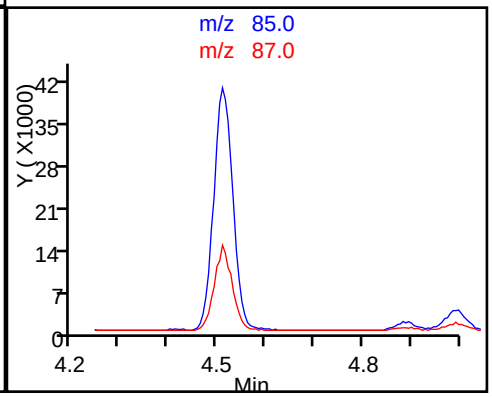












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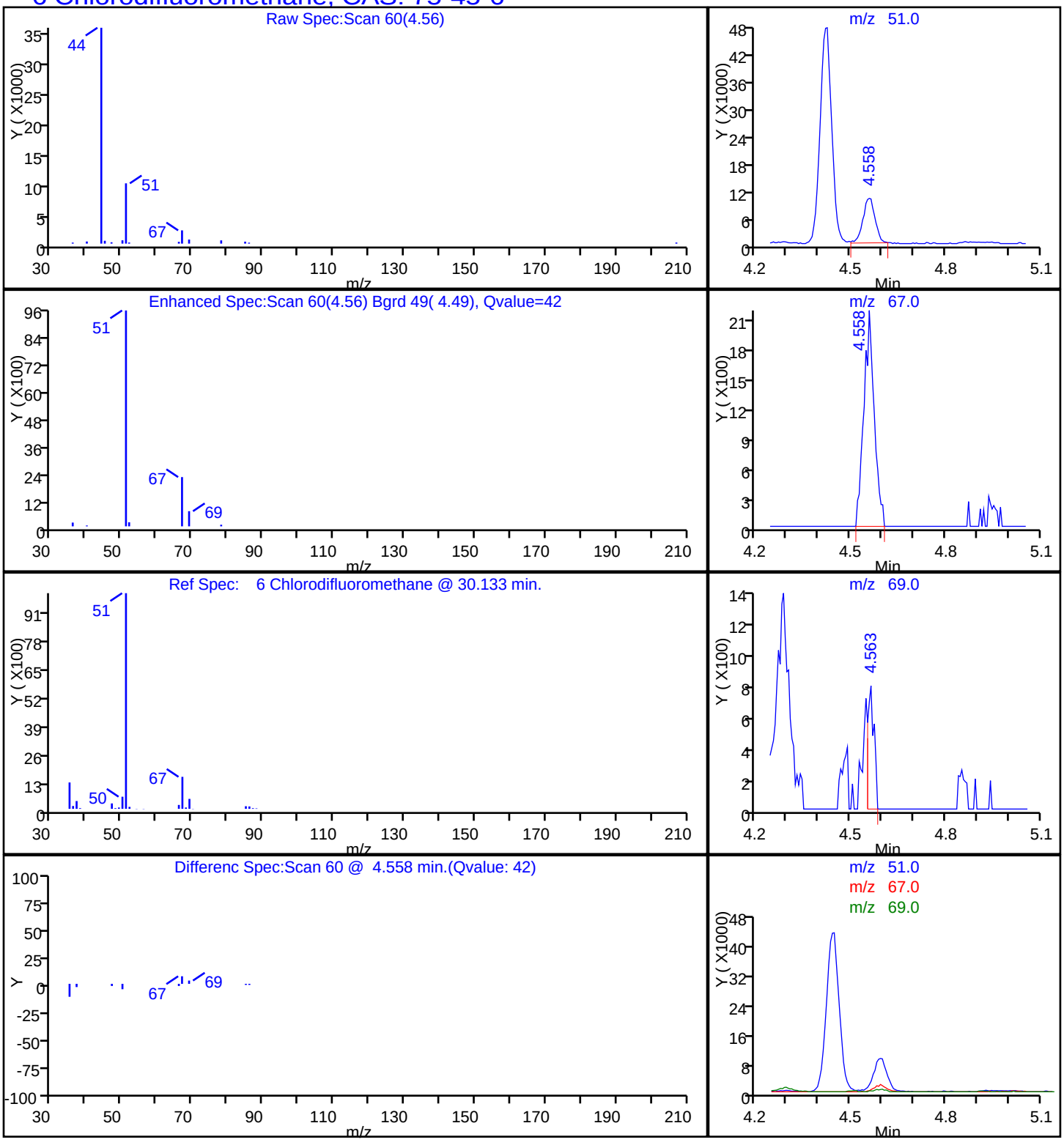
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



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TestAmerica Burlington

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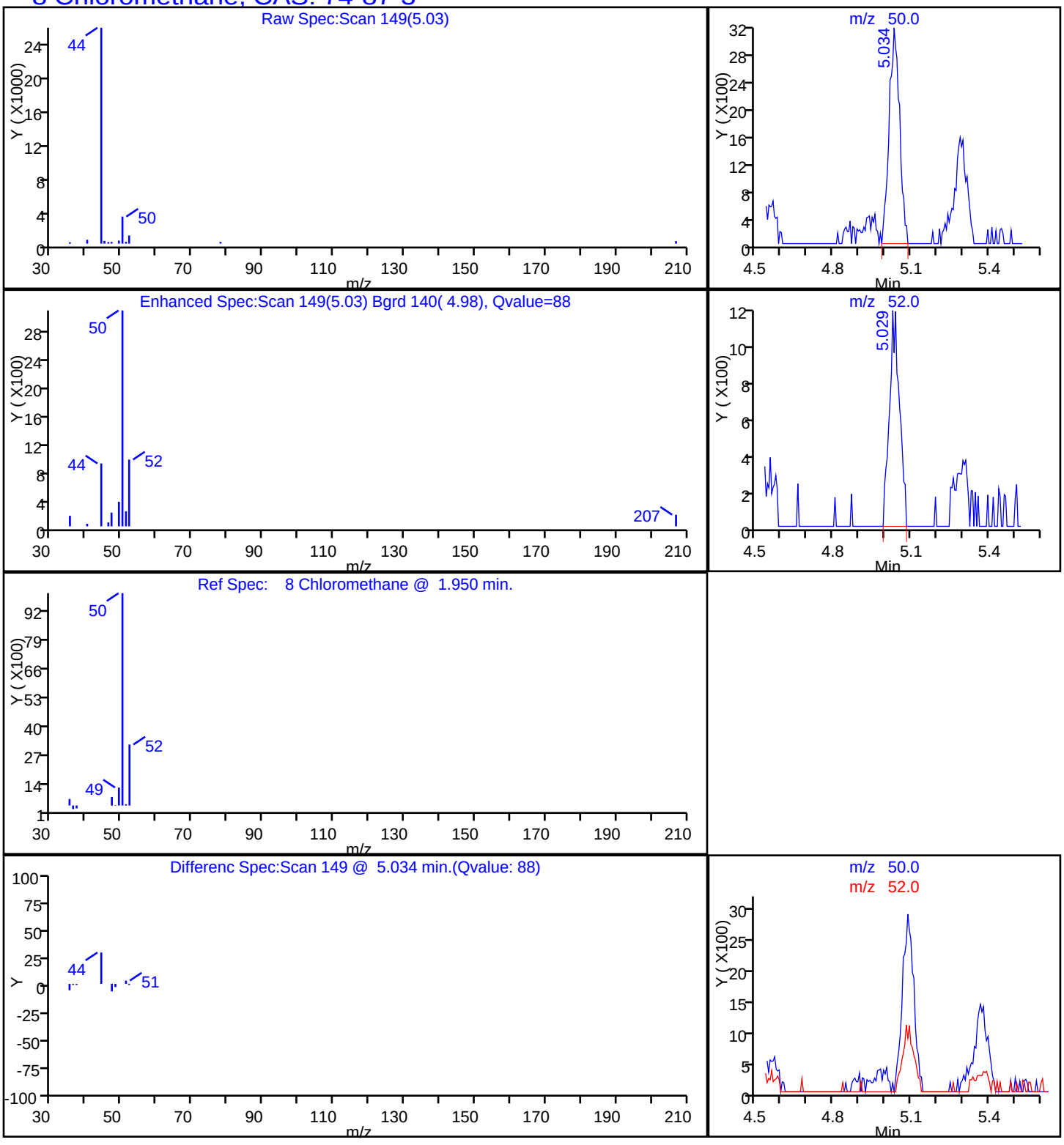
Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3



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TestAmerica Burlington

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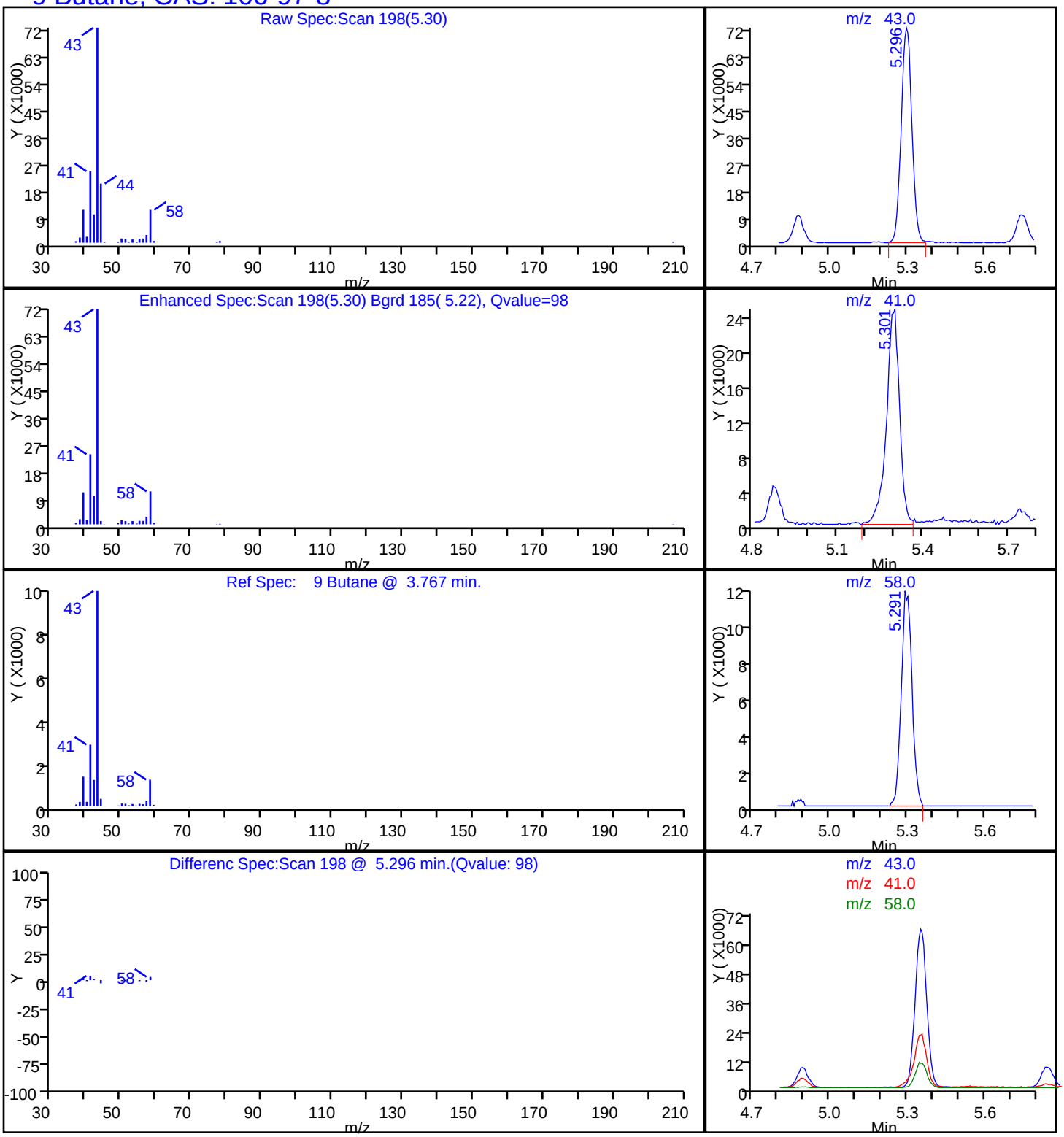
Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



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TestAmerica Burlington

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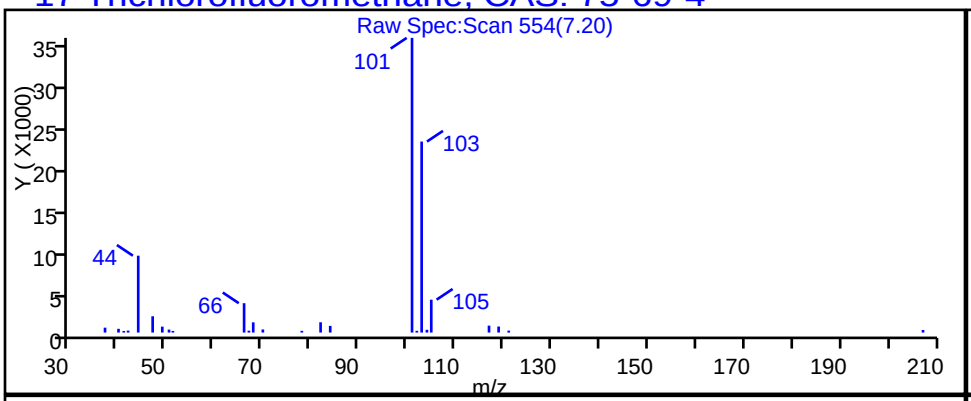
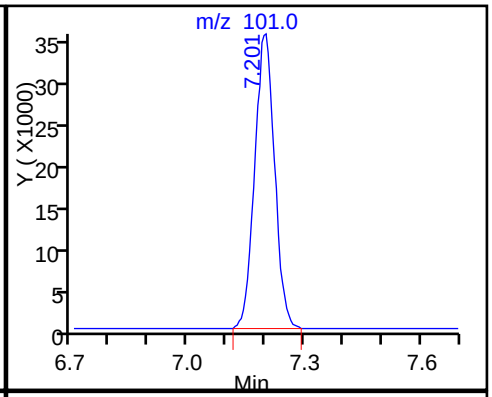
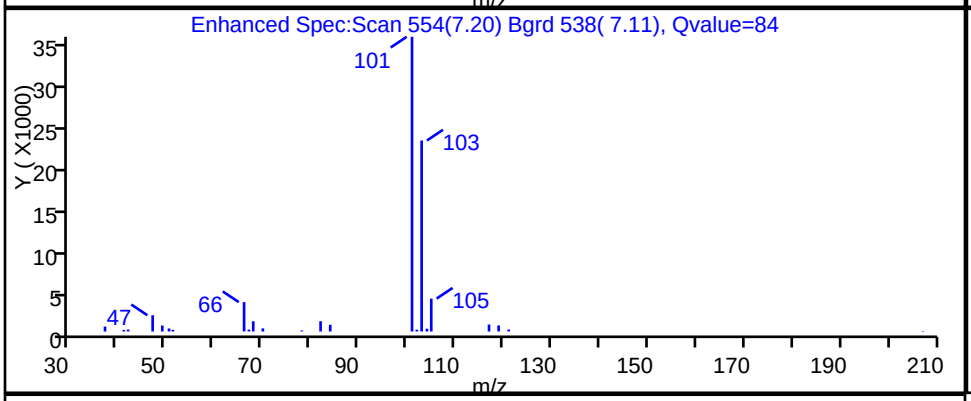
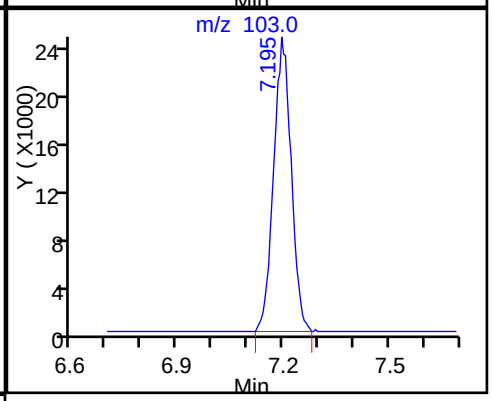
Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

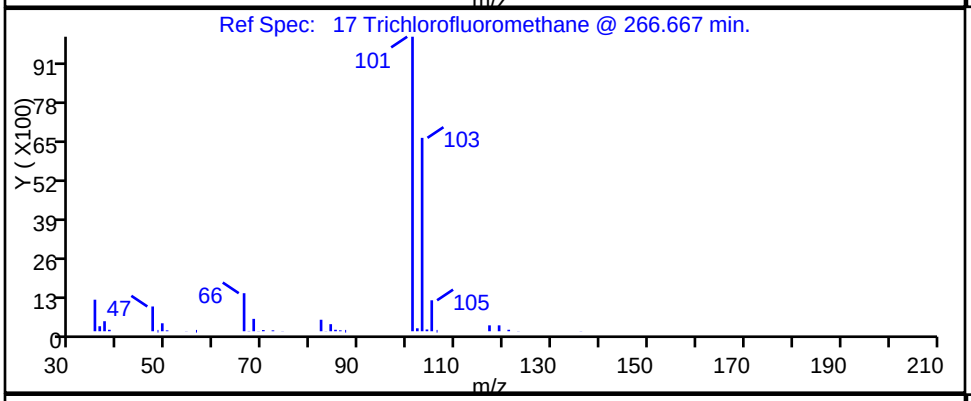
17 Trichlorofluoromethane, CAS: 75-69-4

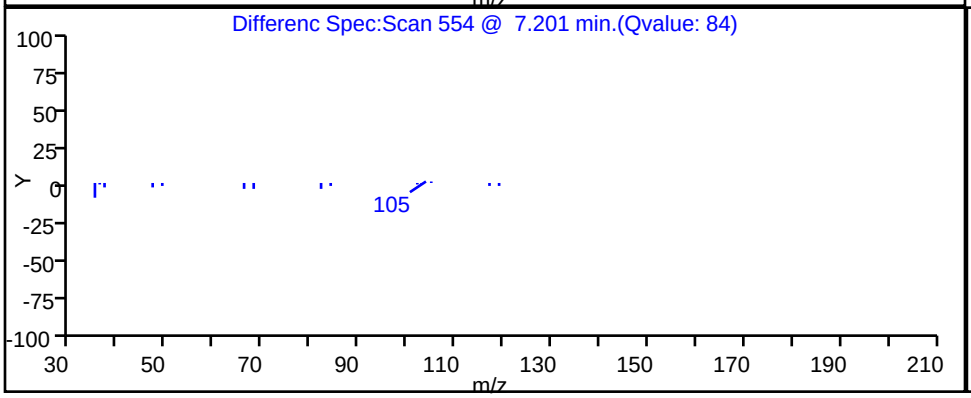


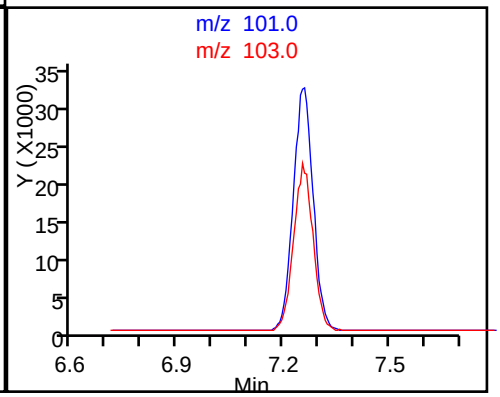












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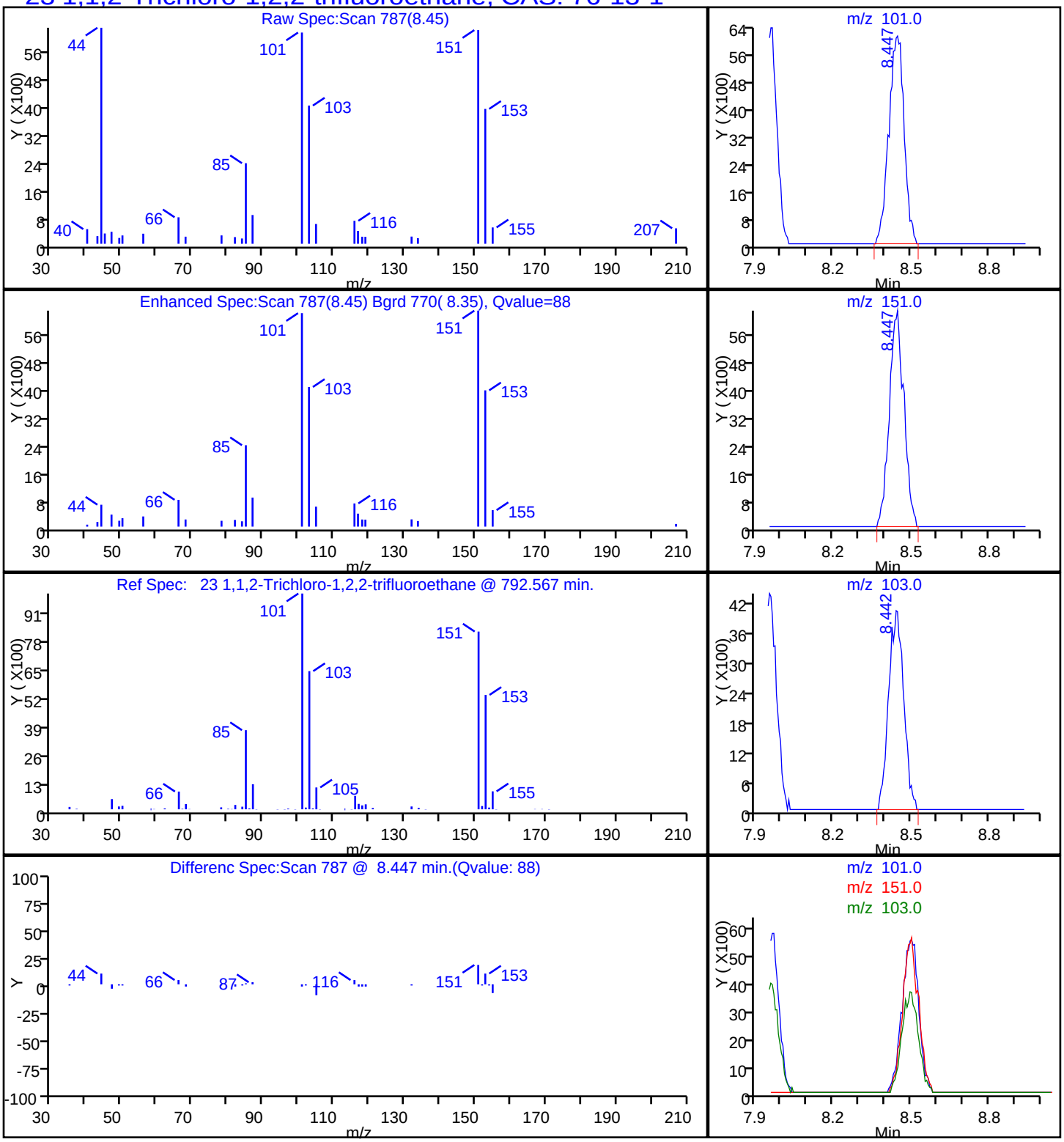
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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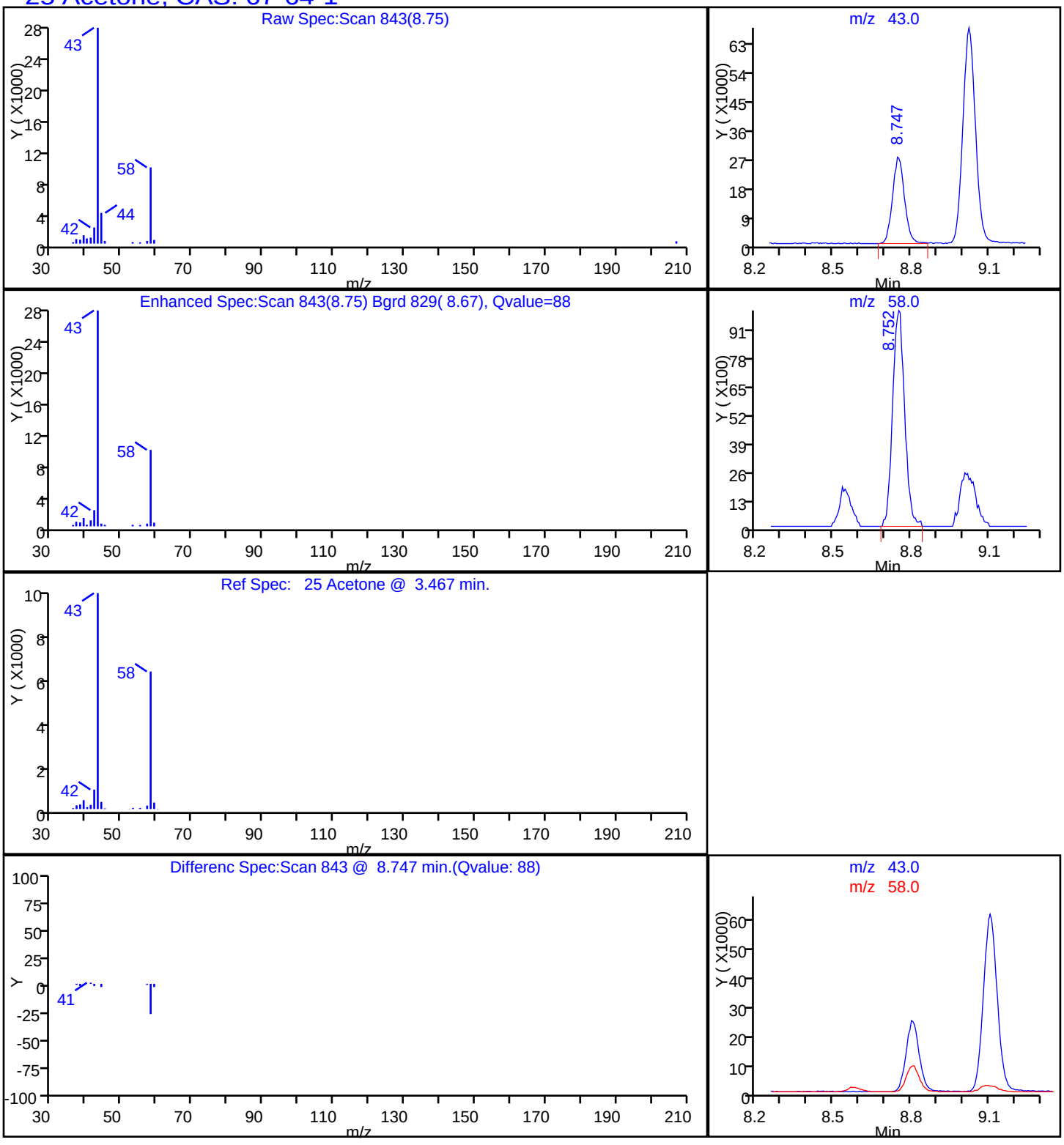
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



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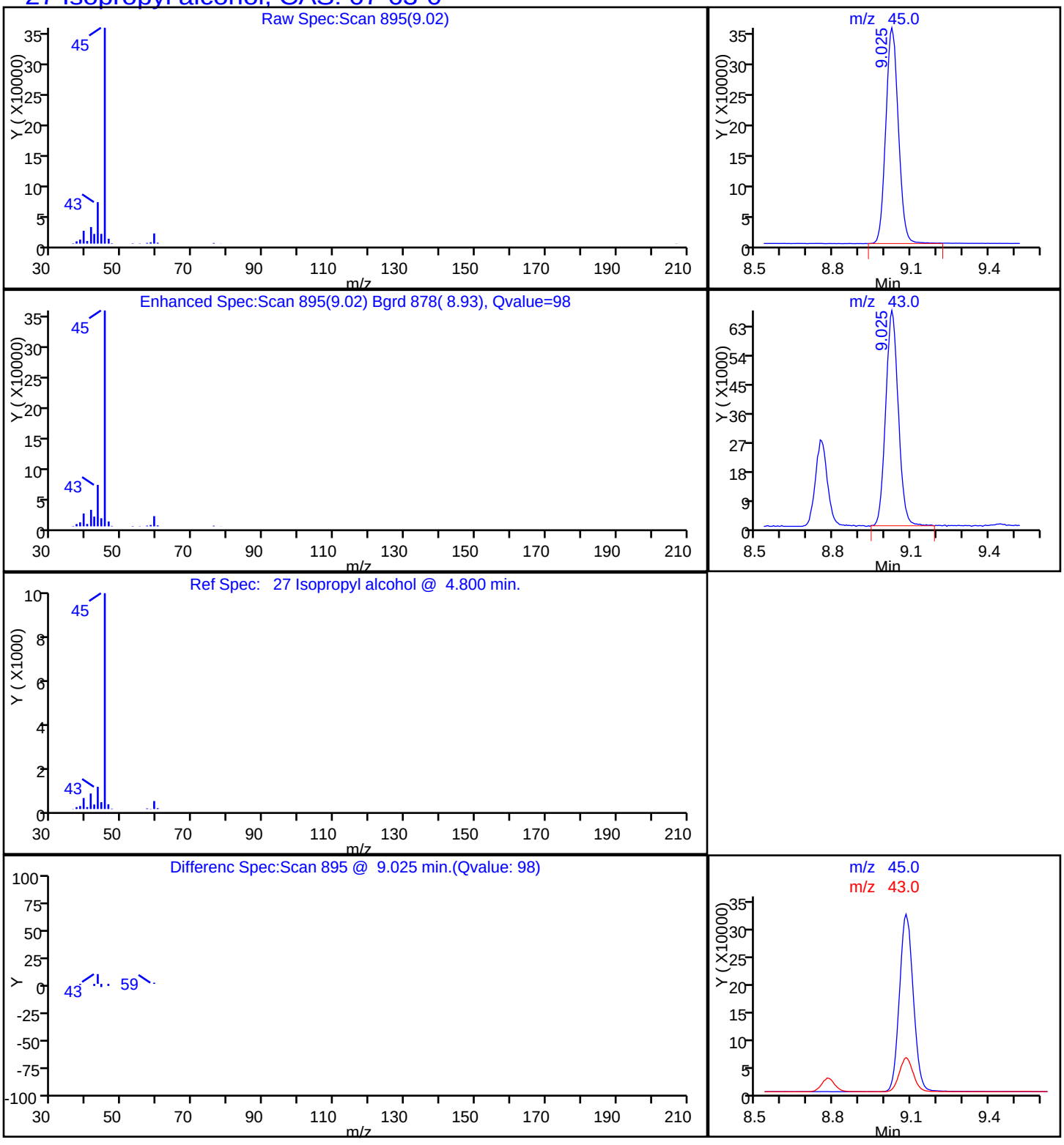
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



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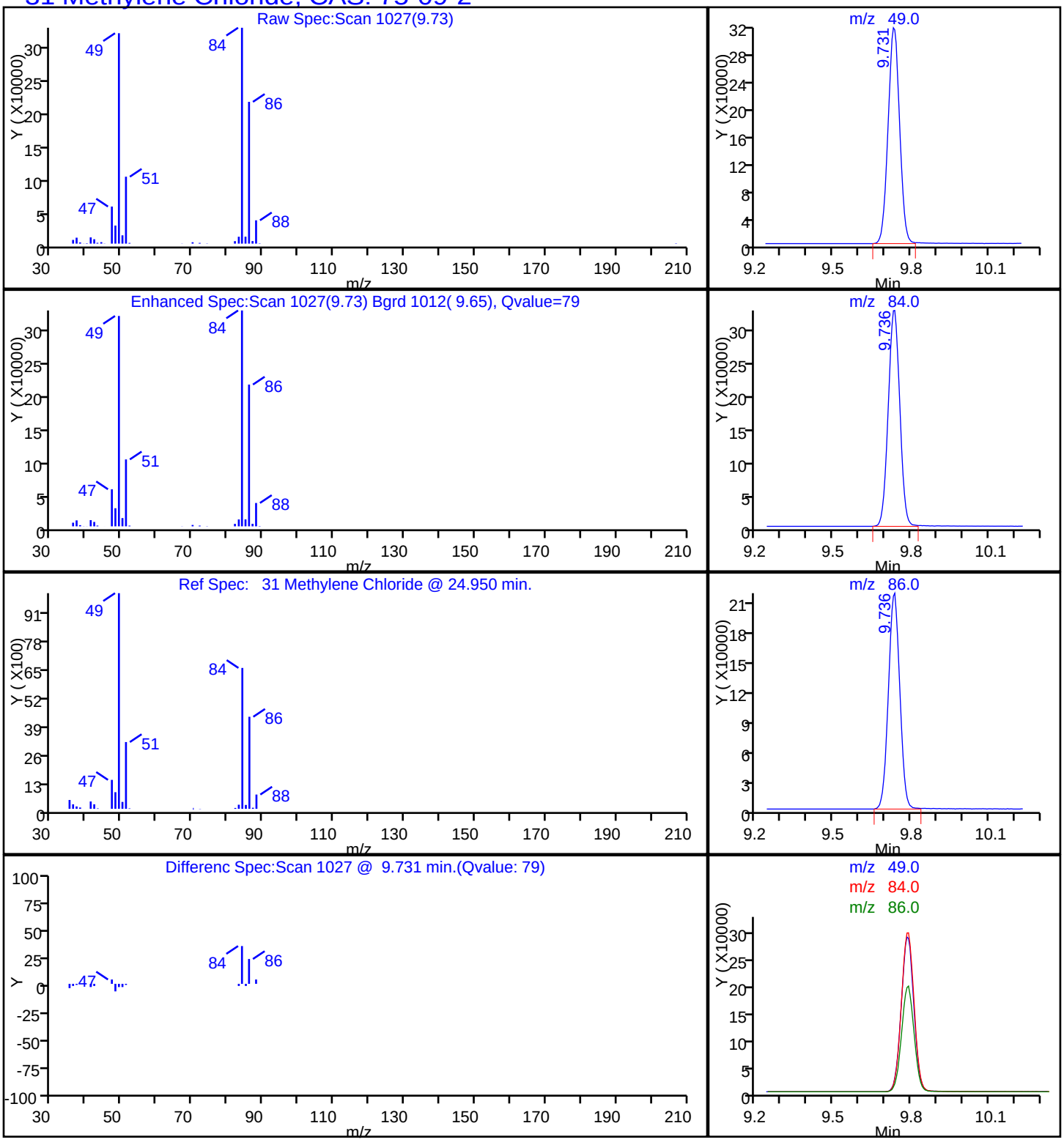
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
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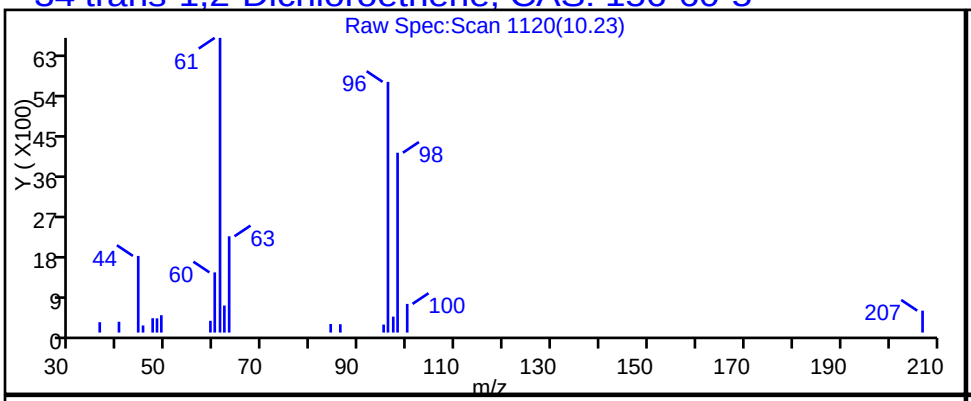
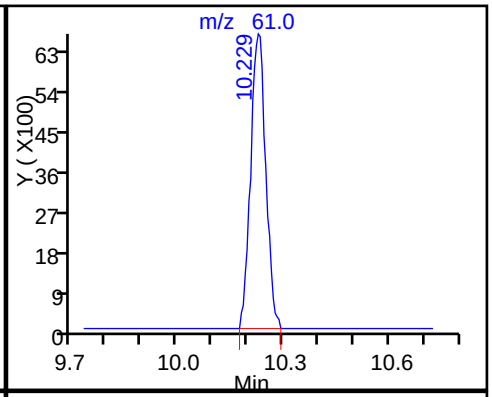
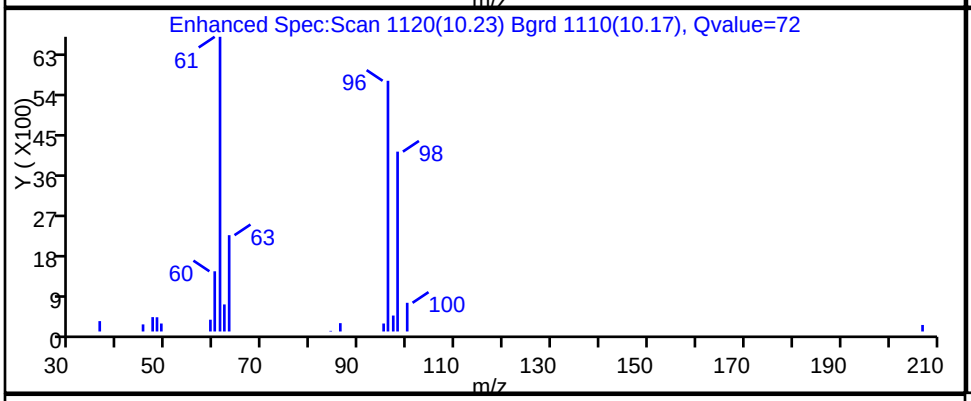
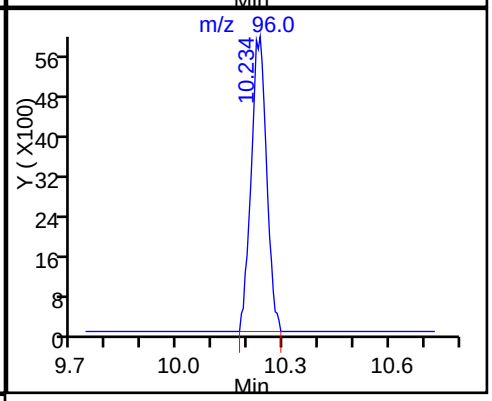
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

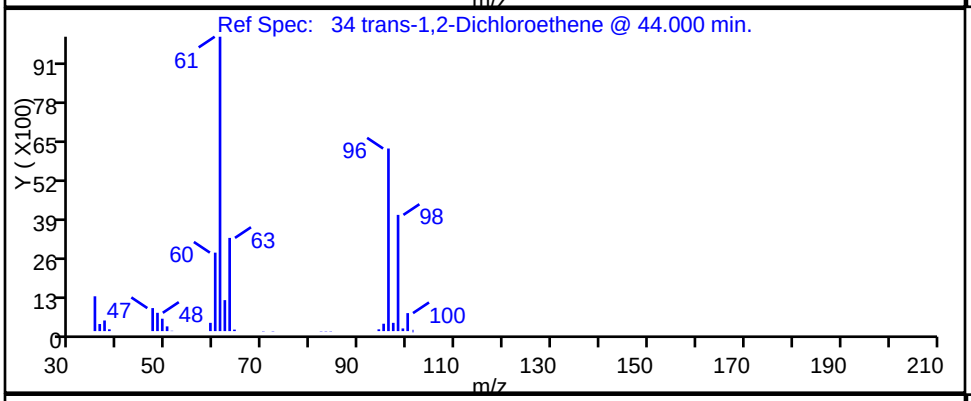
34 trans-1,2-Dichloroethene, CAS: 156-60-5

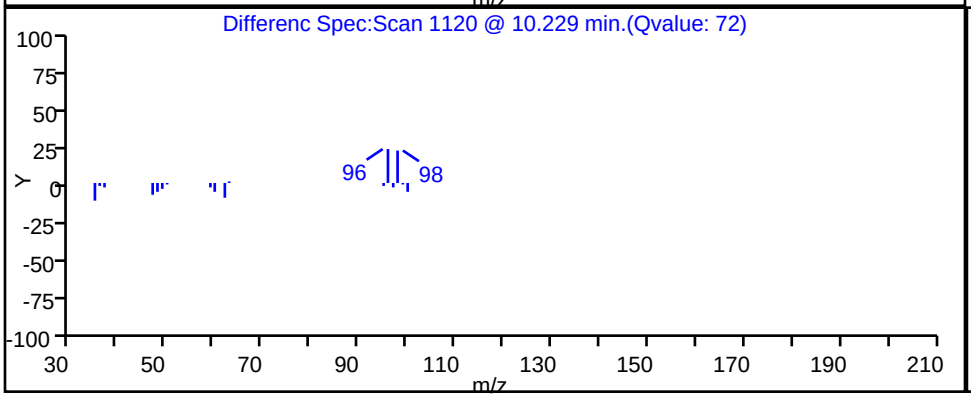


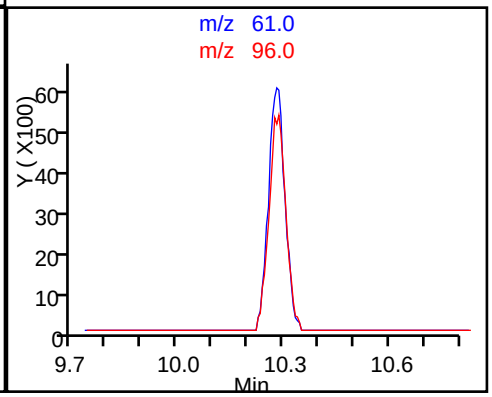












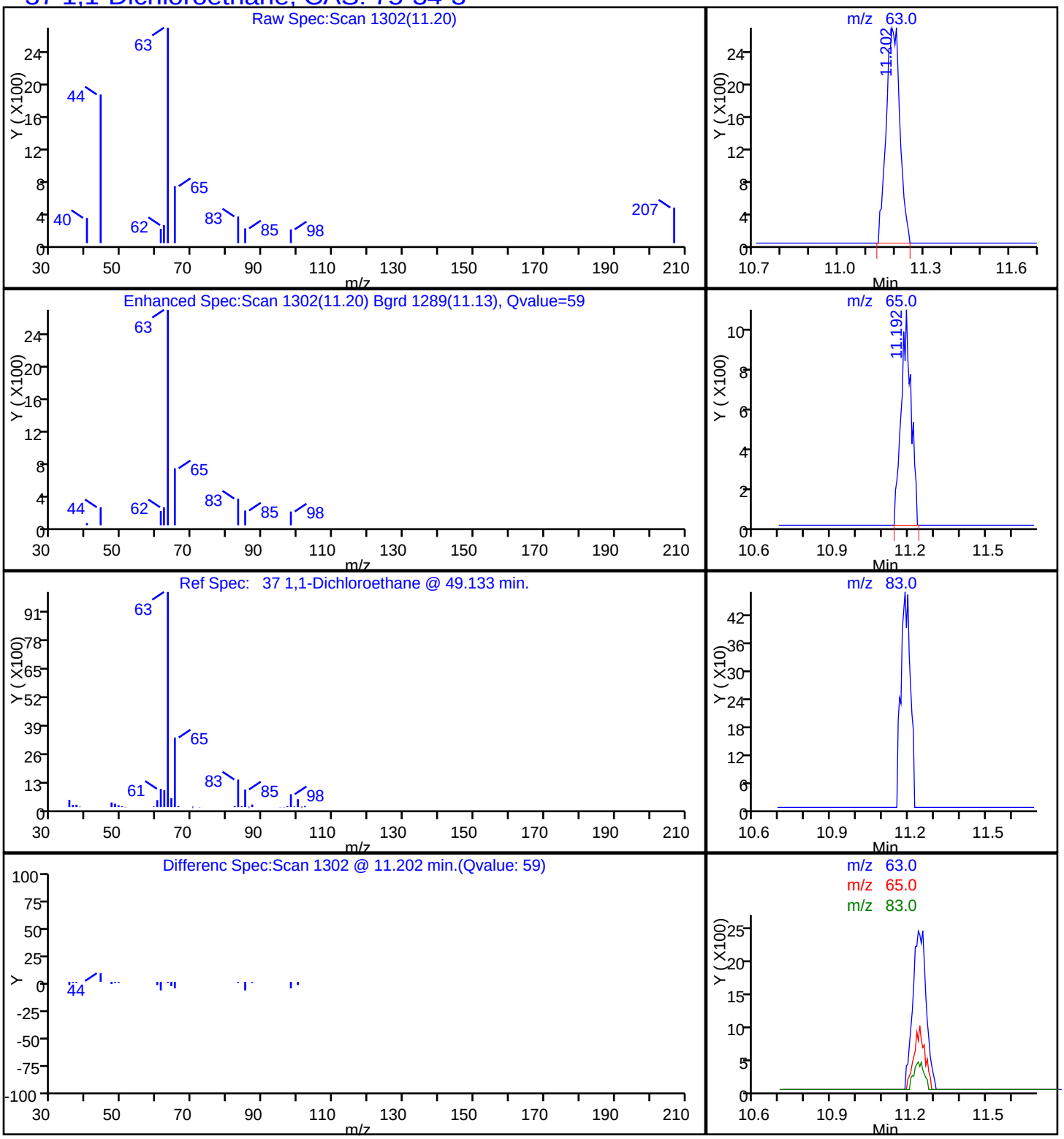
Report Date: 18-Jul-2014 10:16:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



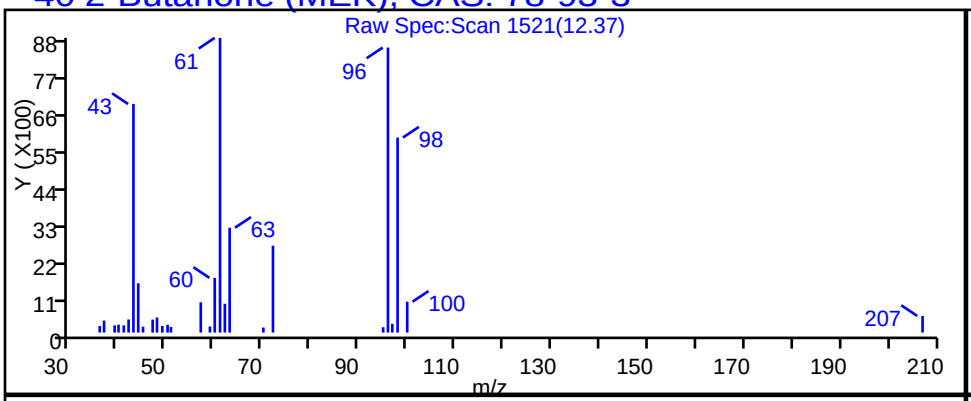
Report Date: 18-Jul-2014 10:16:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

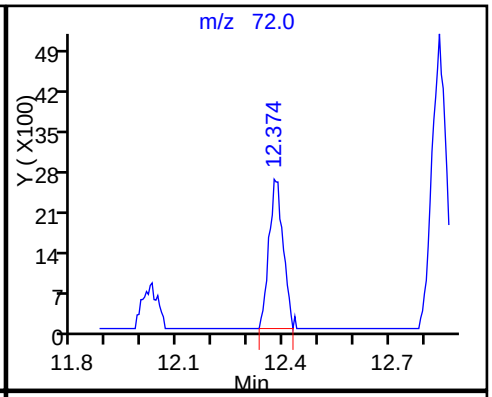
TestAmerica Burlington

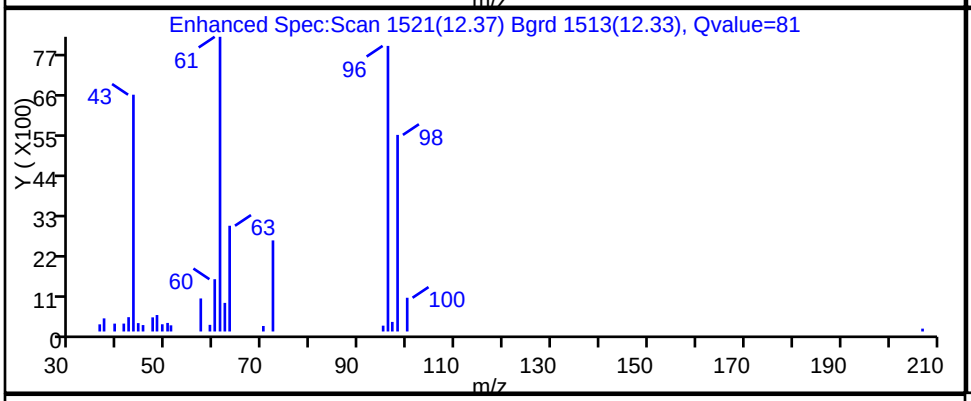
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

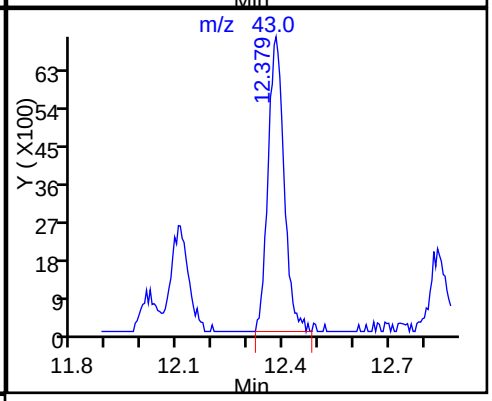
Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

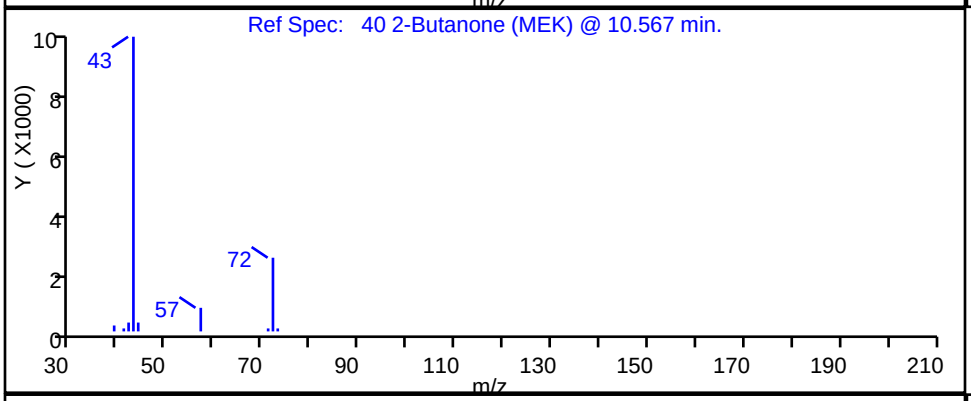
40 2-Butanone (MEK), CAS: 78-93-3

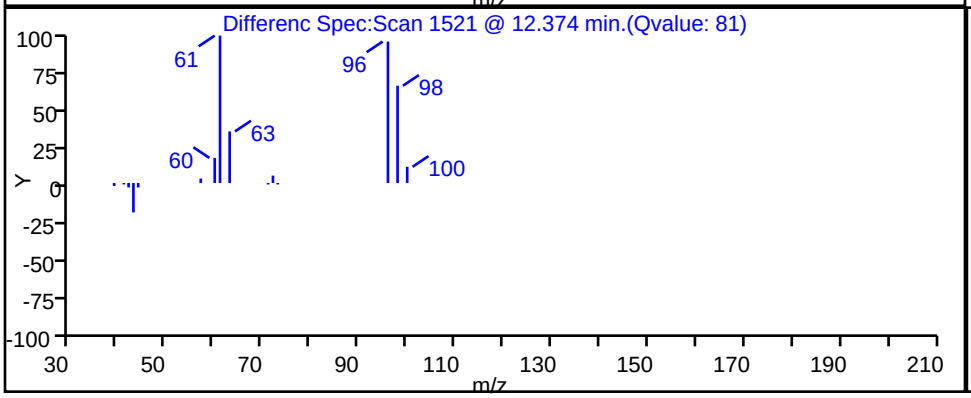


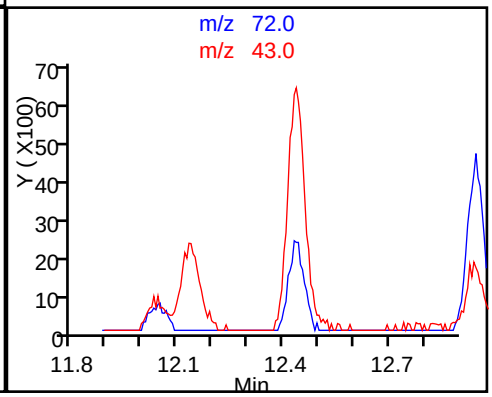












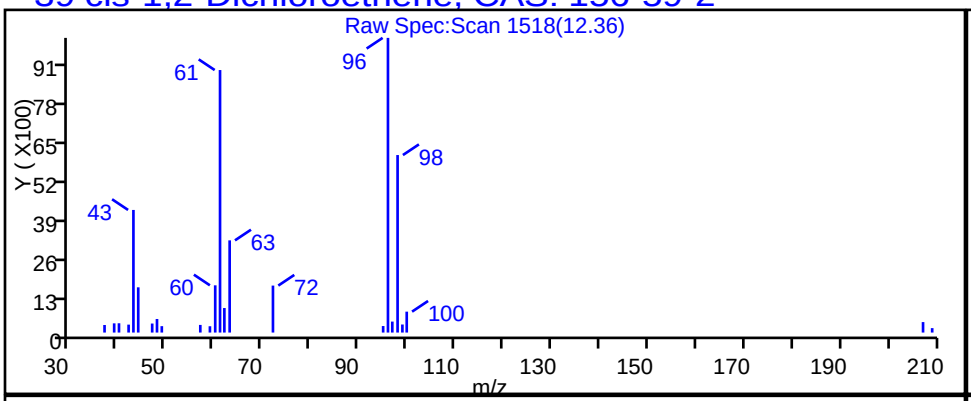
Report Date: 18-Jul-2014 10:16:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

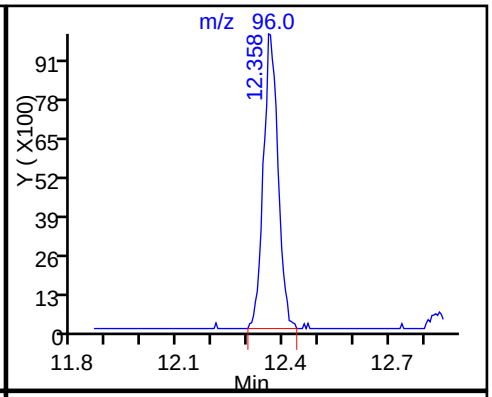
TestAmerica Burlington

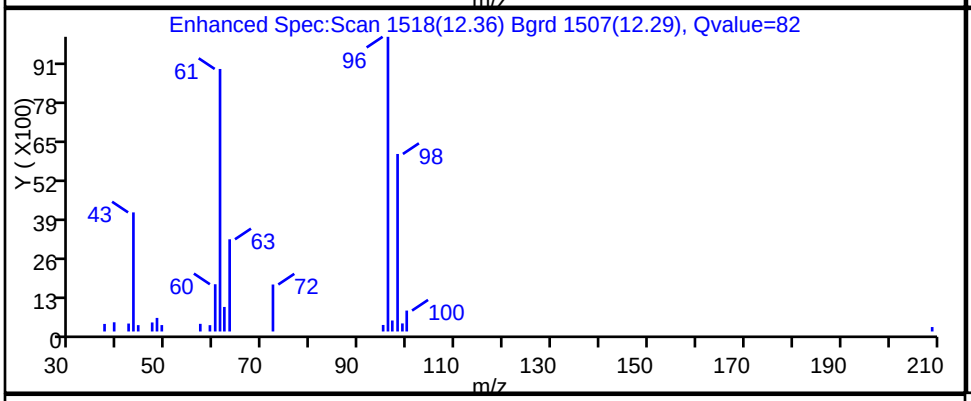
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

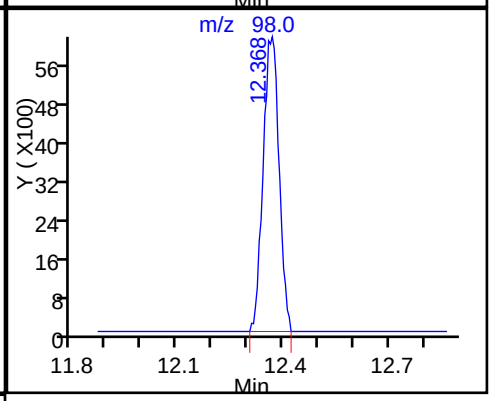
Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

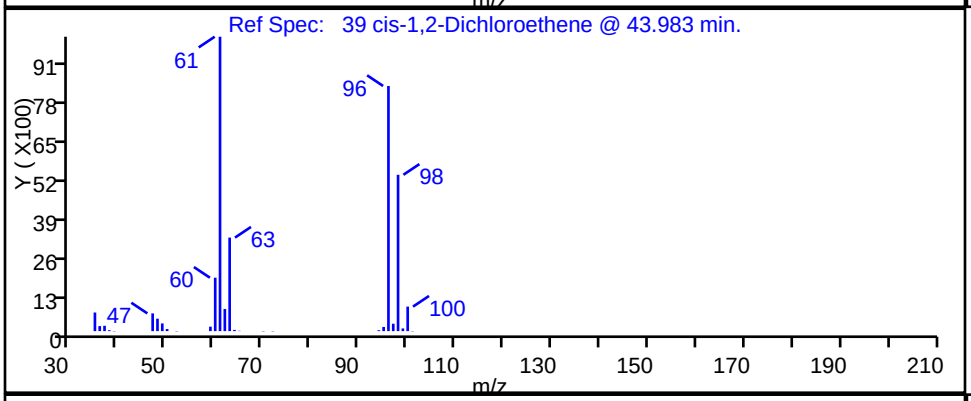
39 cis-1,2-Dichloroethene, CAS: 156-59-2

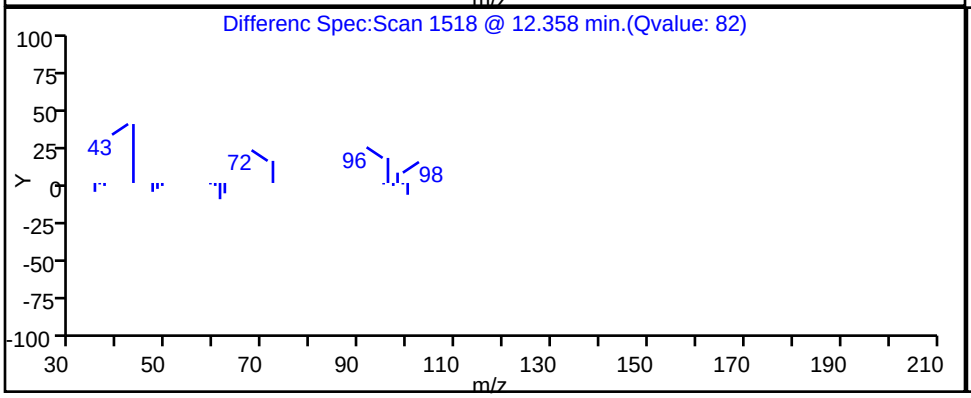


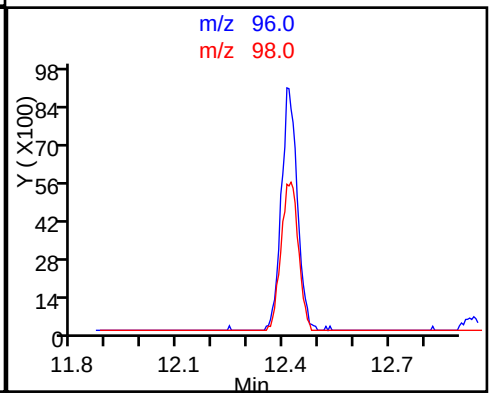












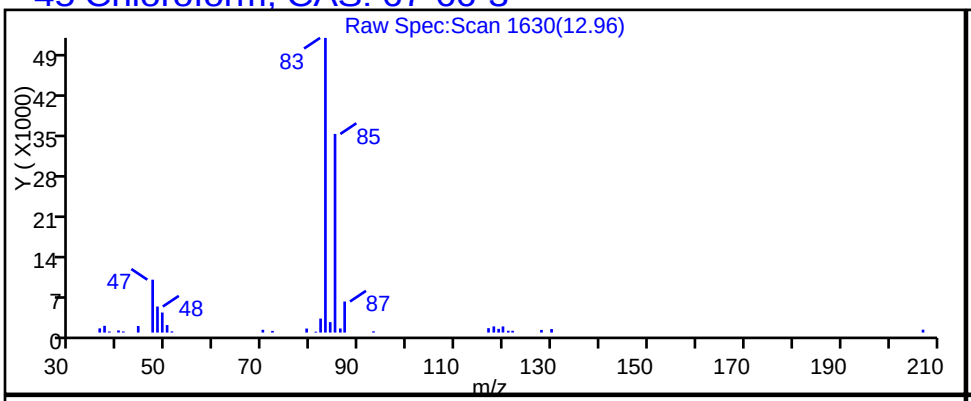
Report Date: 18-Jul-2014 10:16:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

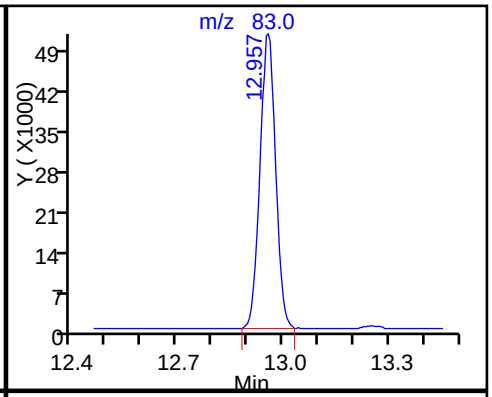
TestAmerica Burlington

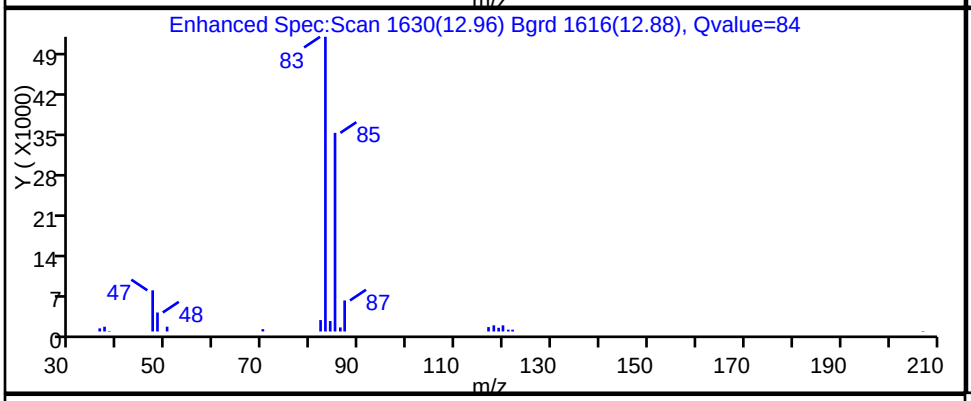
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

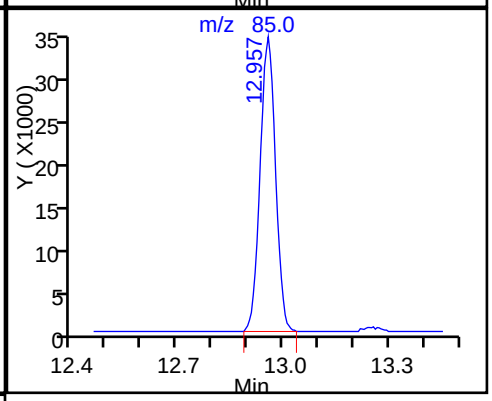
Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

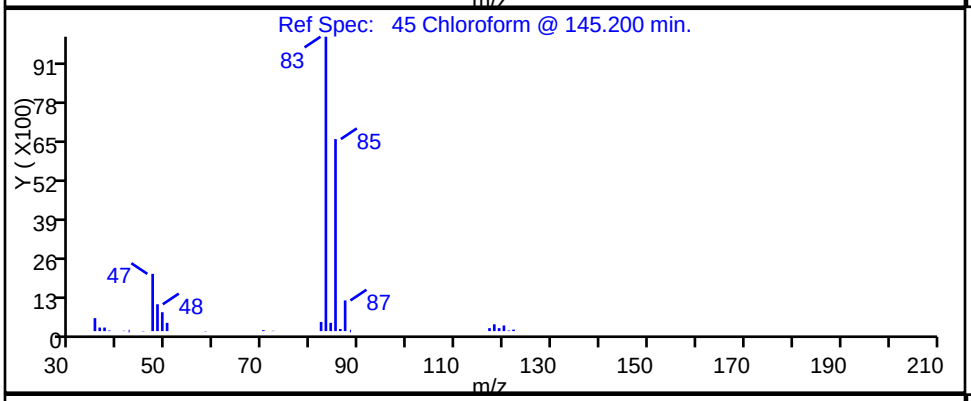
45 Chloroform, CAS: 67-66-3

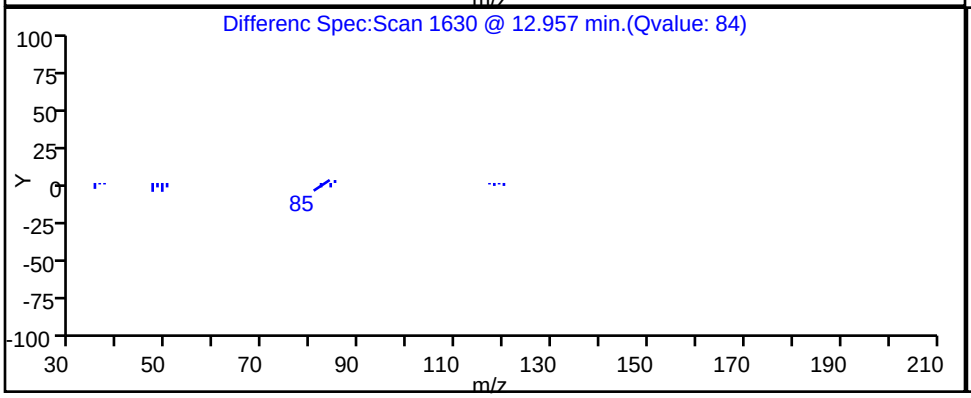


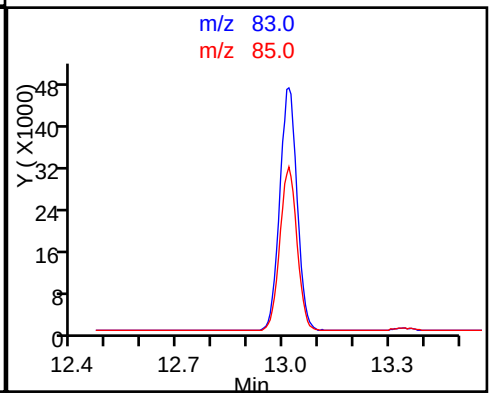












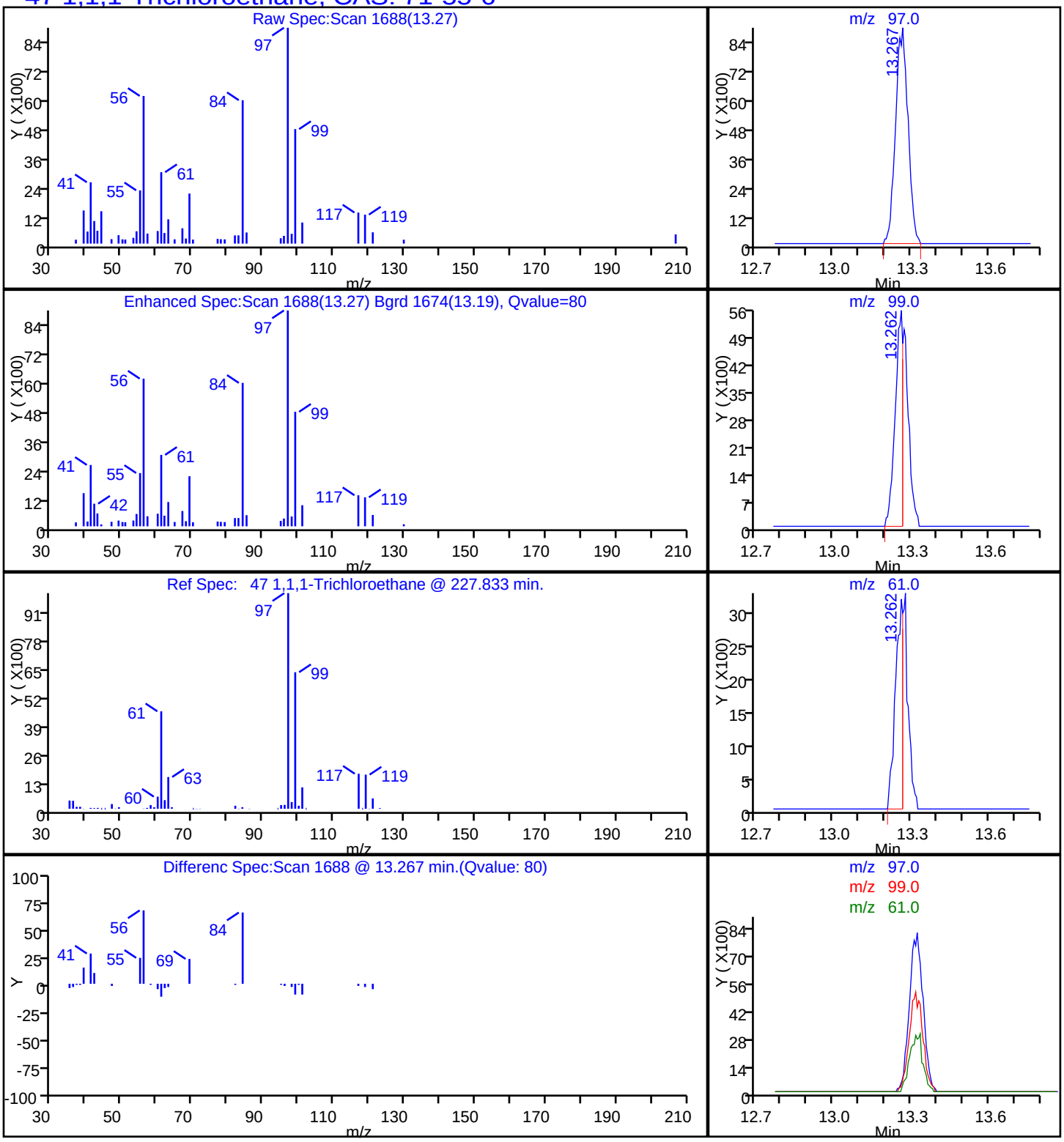
Report Date: 18-Jul-2014 10:16:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



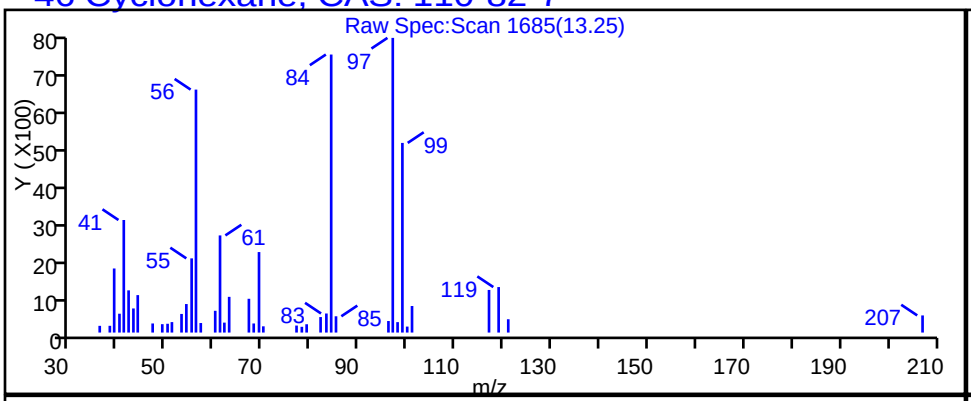
Report Date: 18-Jul-2014 10:16:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

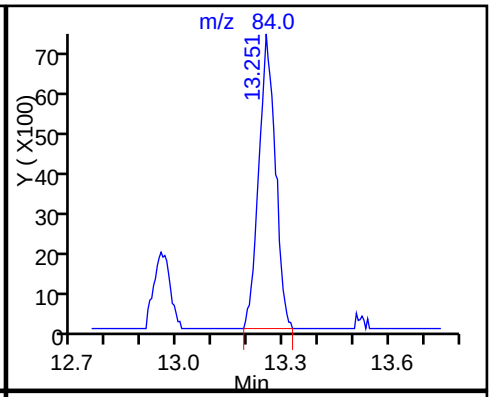
TestAmerica Burlington

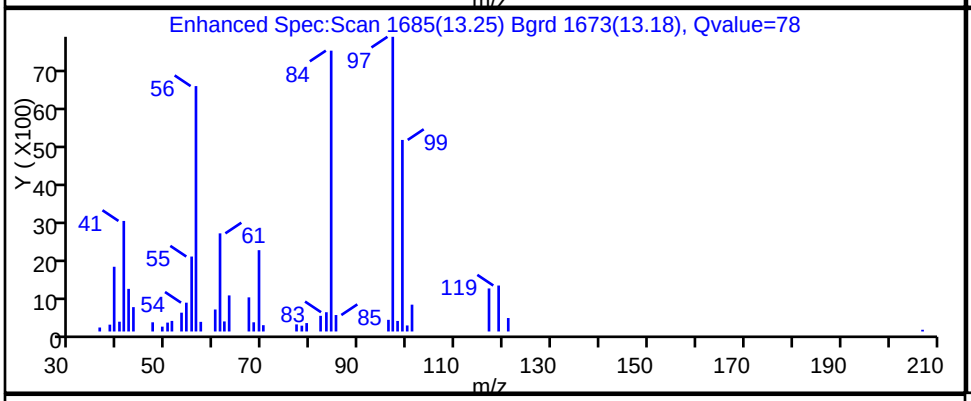
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

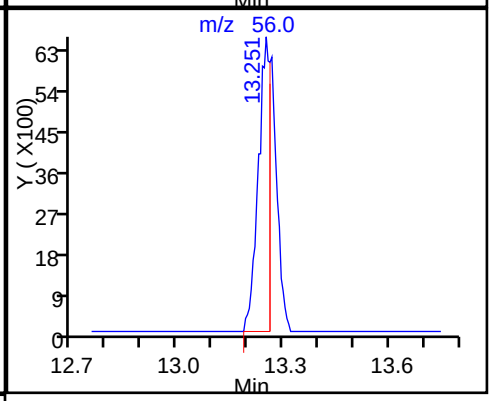
Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

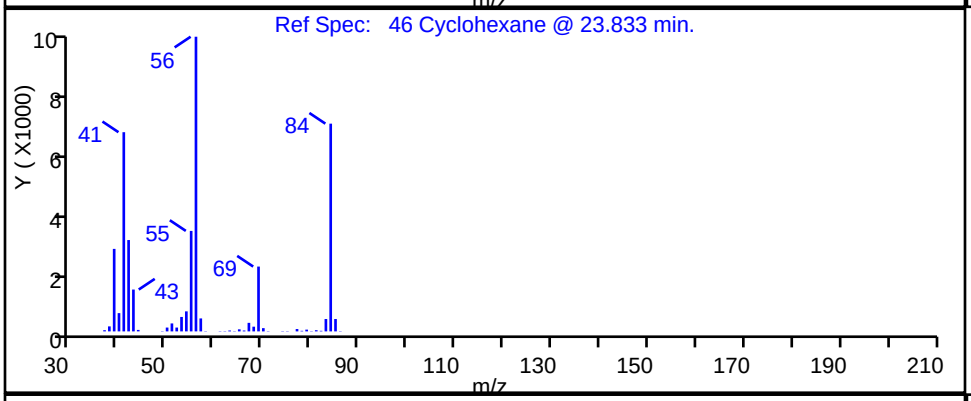
46 Cyclohexane, CAS: 110-82-7

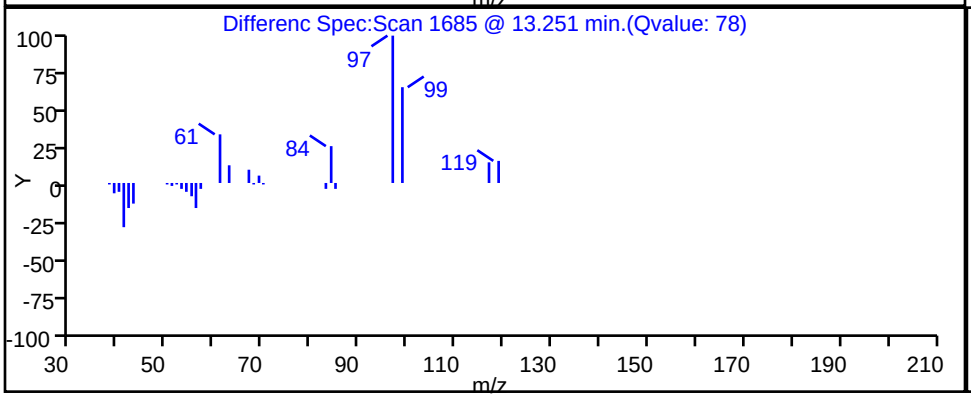


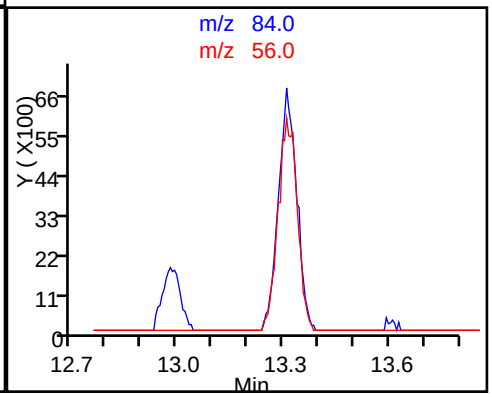












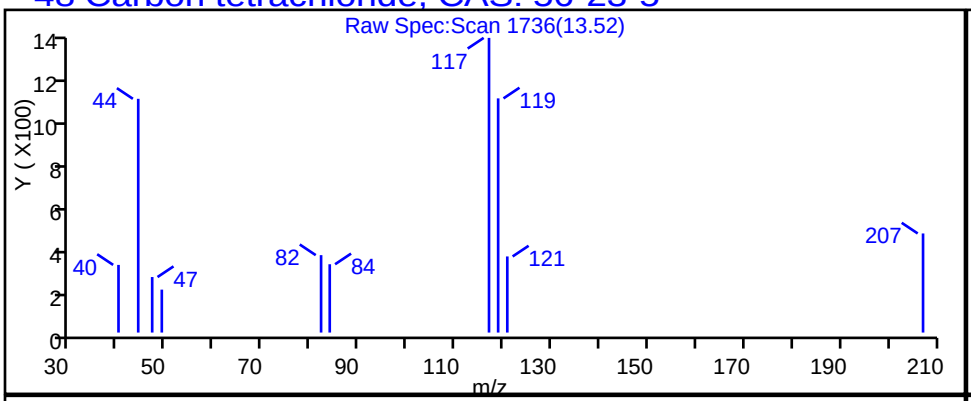
Report Date: 18-Jul-2014 10:16:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

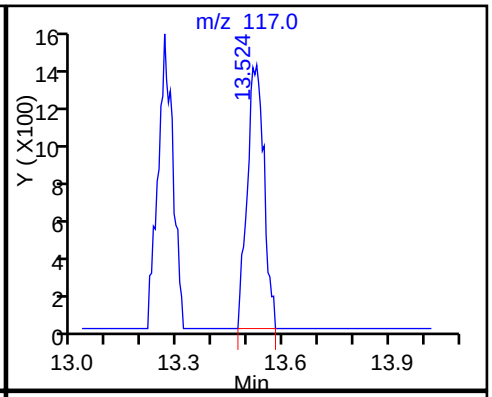
TestAmerica Burlington

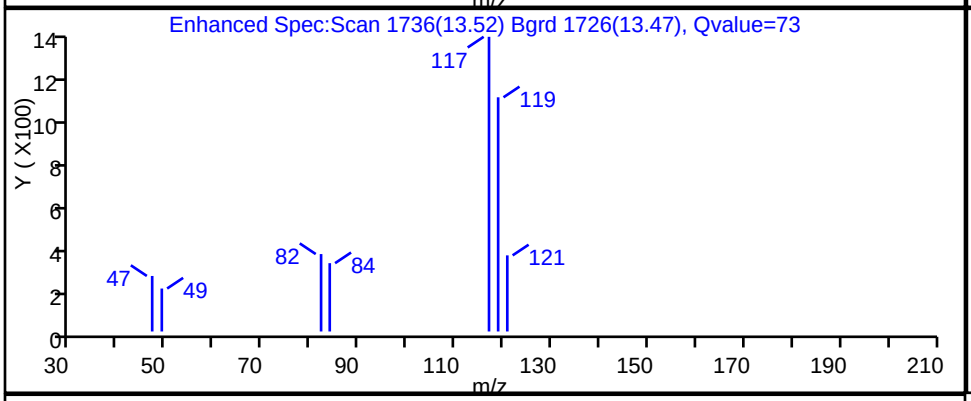
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

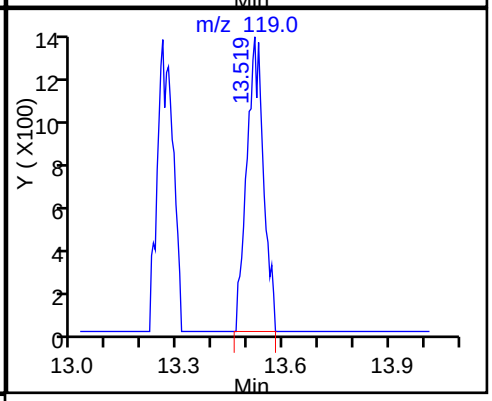
Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

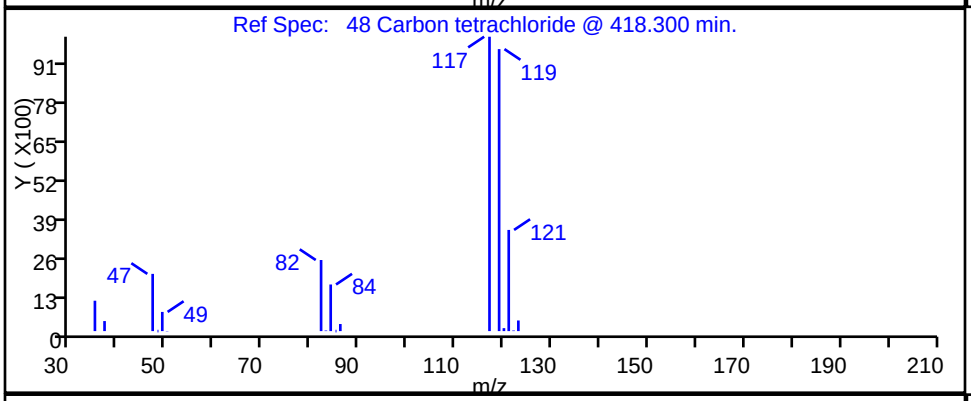
48 Carbon tetrachloride, CAS: 56-23-5

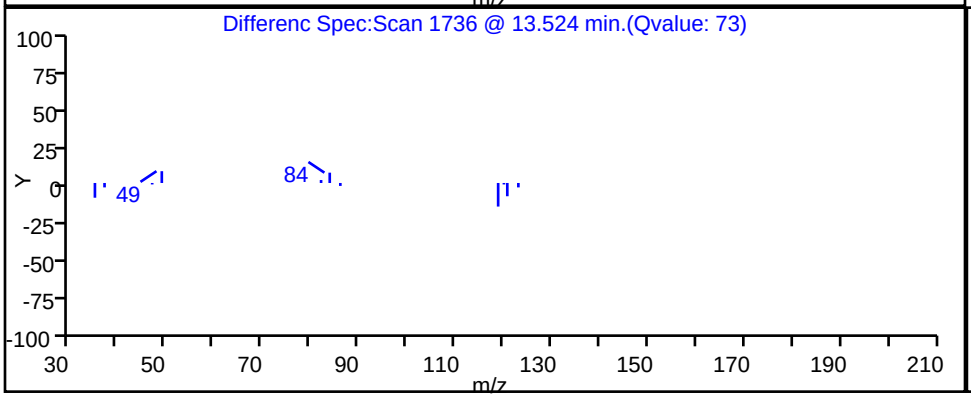


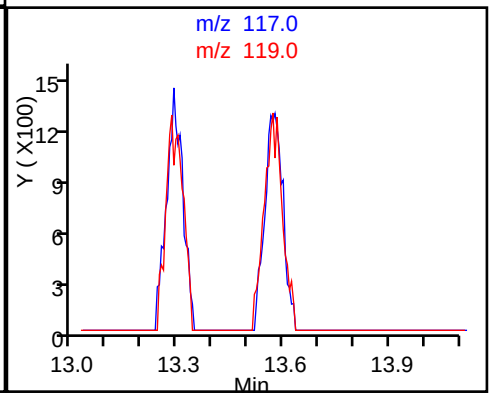












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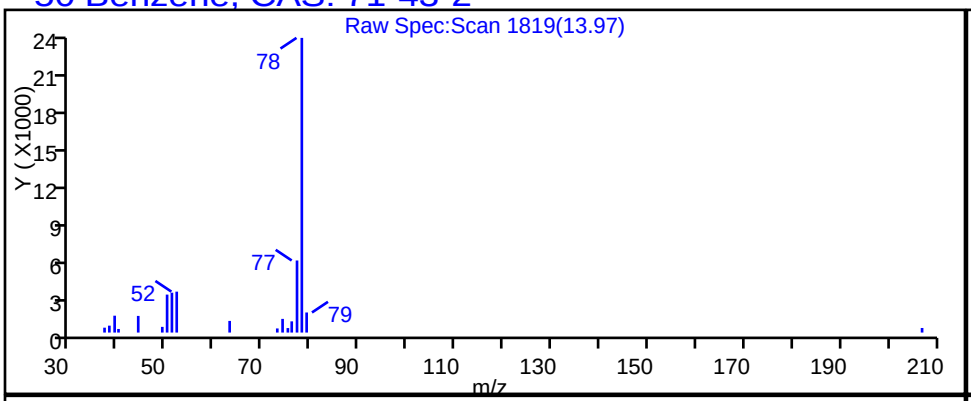
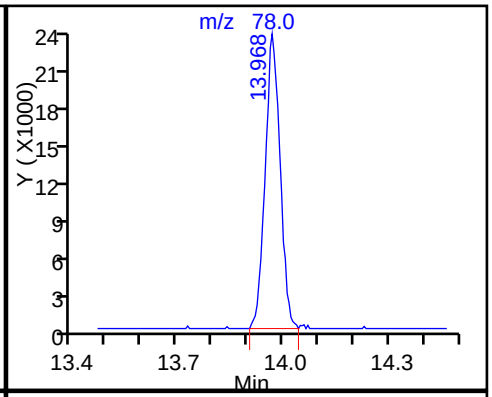
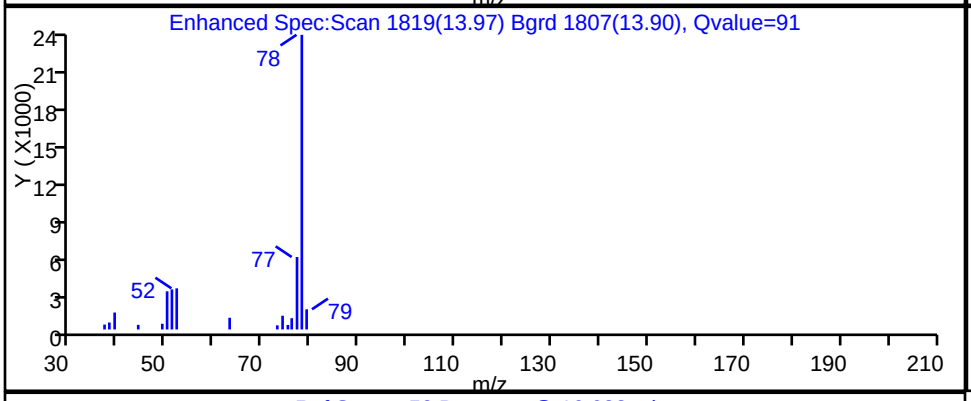
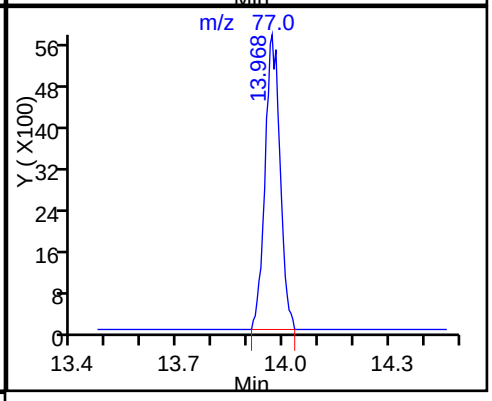
Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

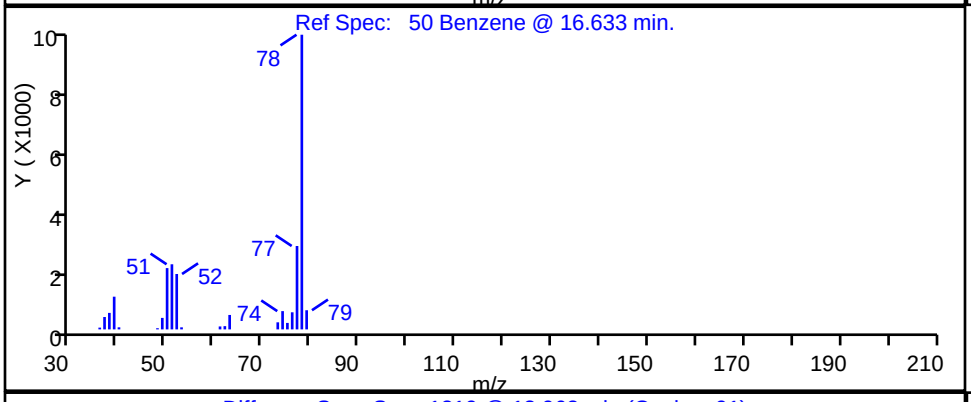
50 Benzene, CAS: 71-43-2

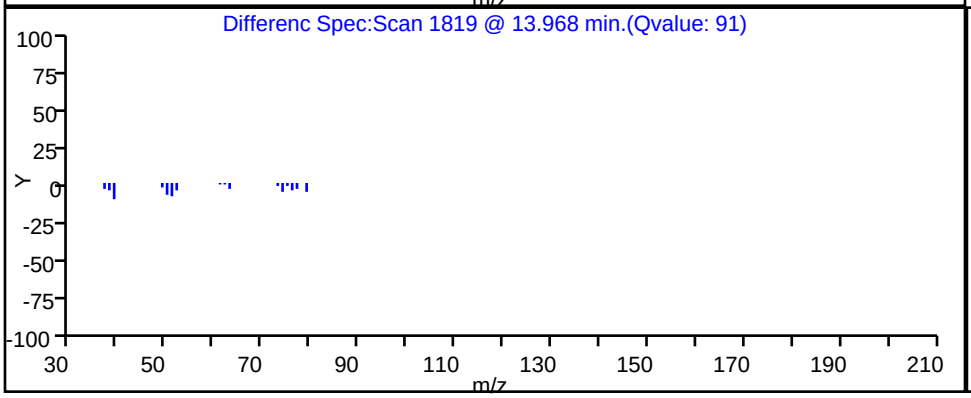


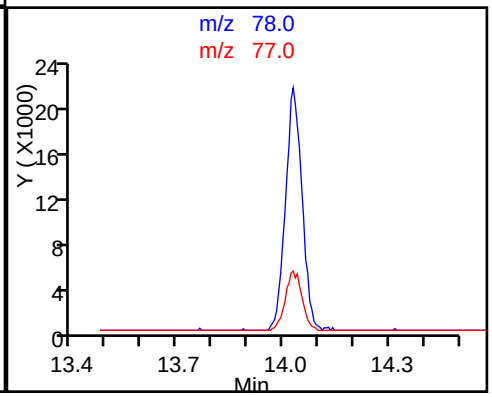












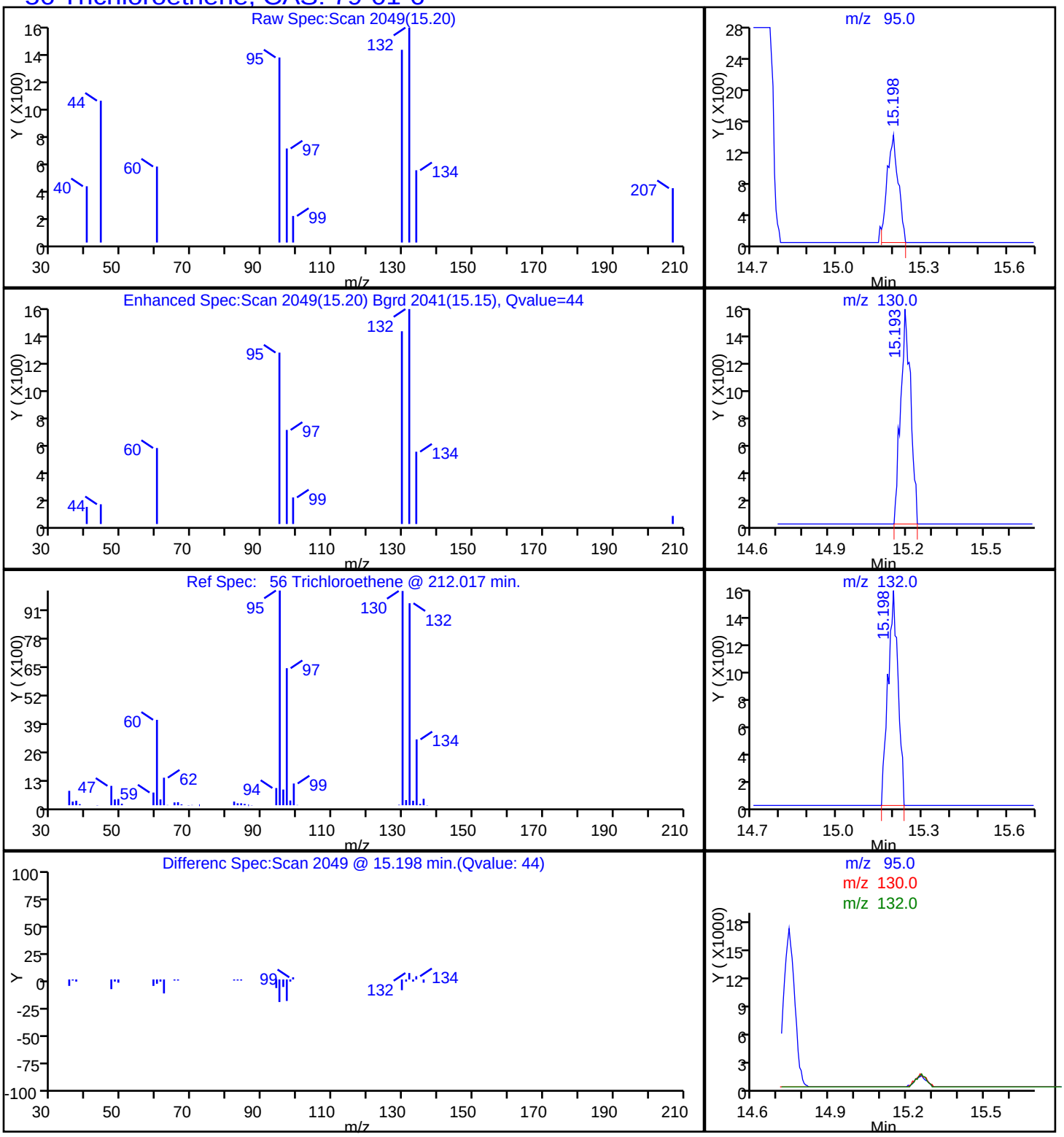
Report Date: 18-Jul-2014 10:16:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



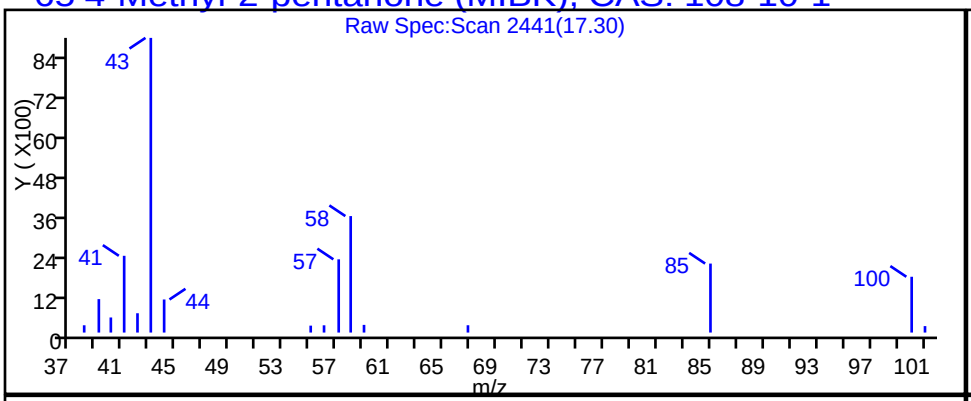
Report Date: 18-Jul-2014 10:16:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

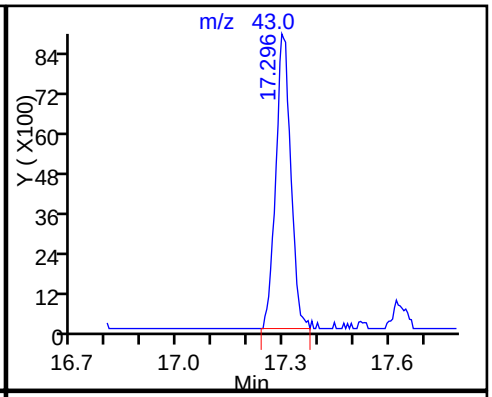
TestAmerica Burlington

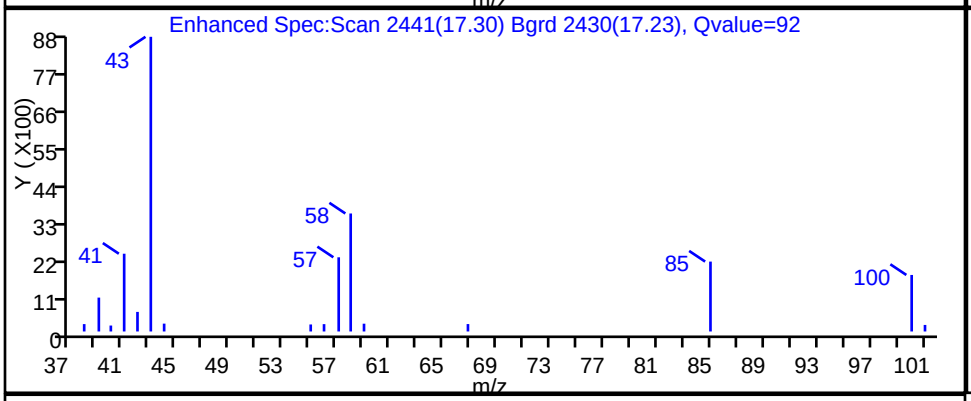
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

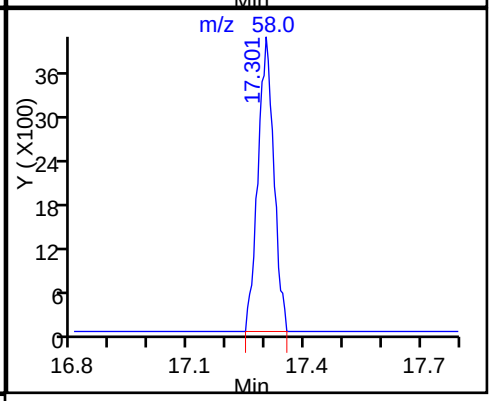
Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

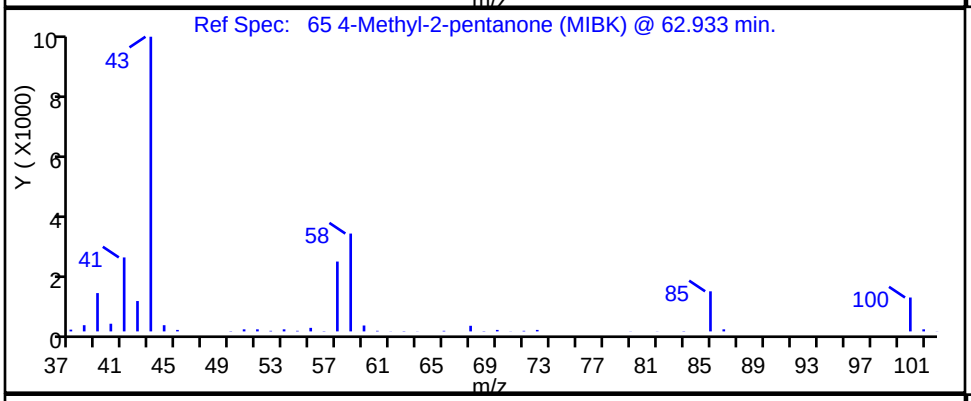
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

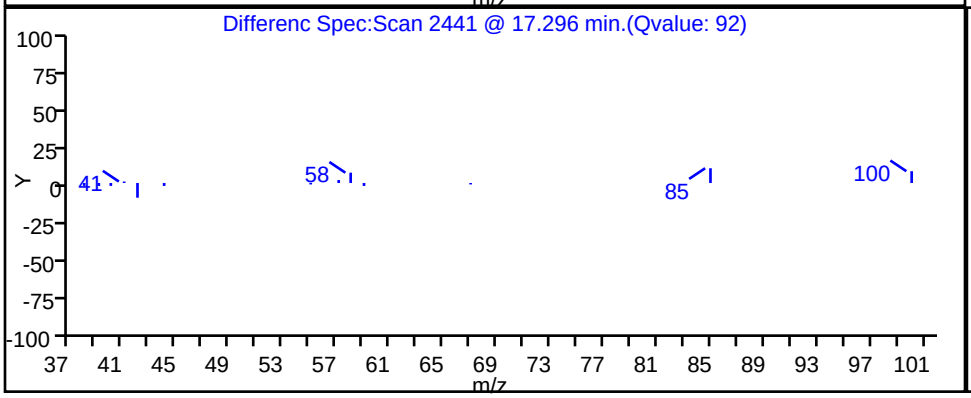


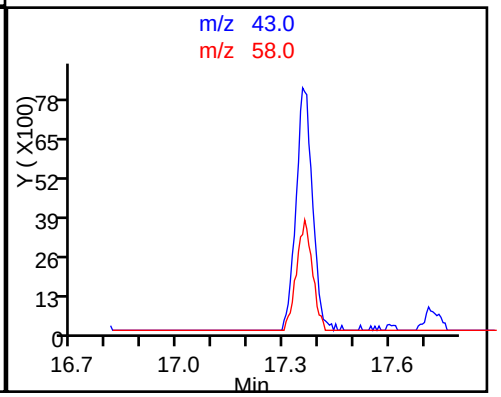












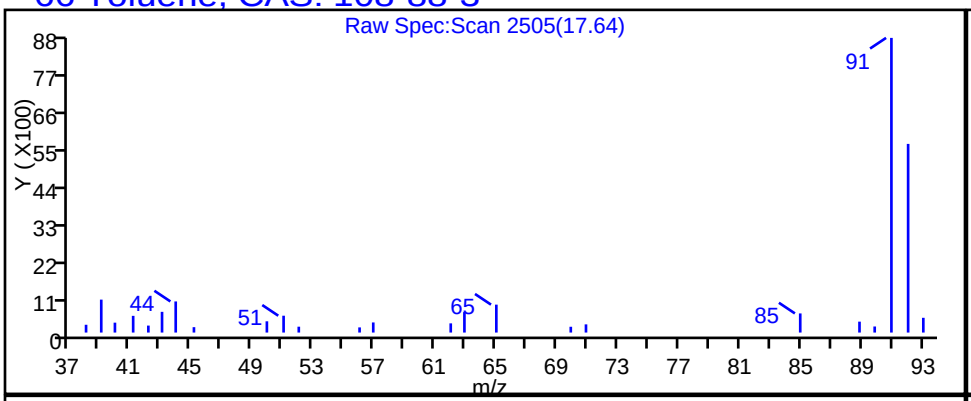
Report Date: 18-Jul-2014 10:16:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

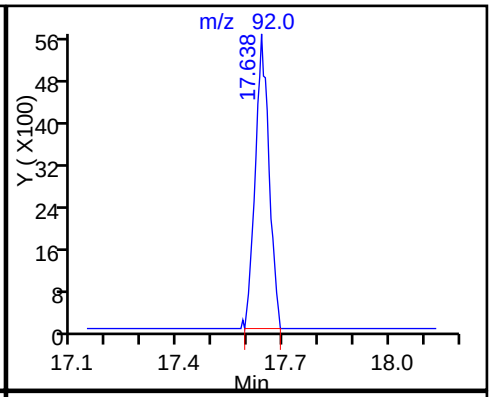
TestAmerica Burlington

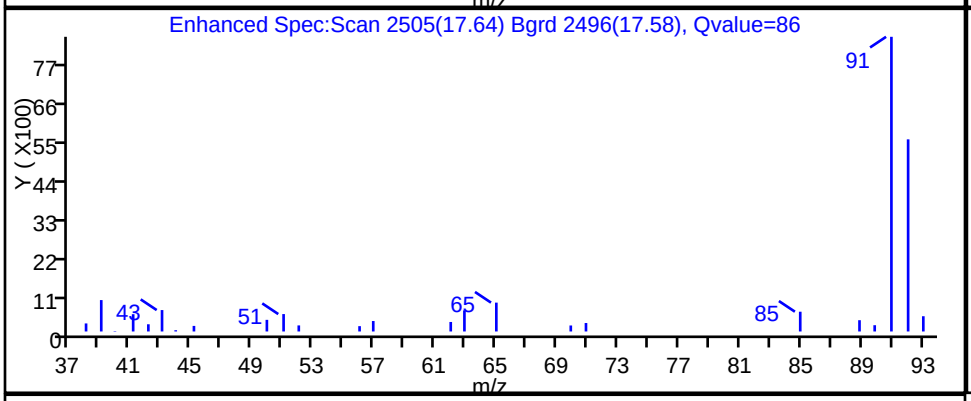
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

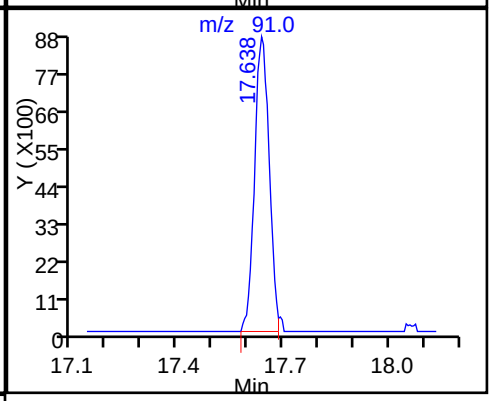
Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

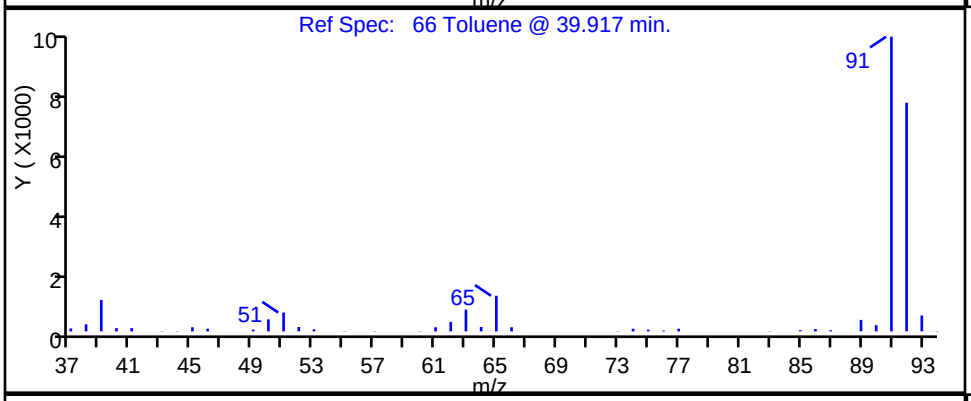
66 Toluene, CAS: 108-88-3

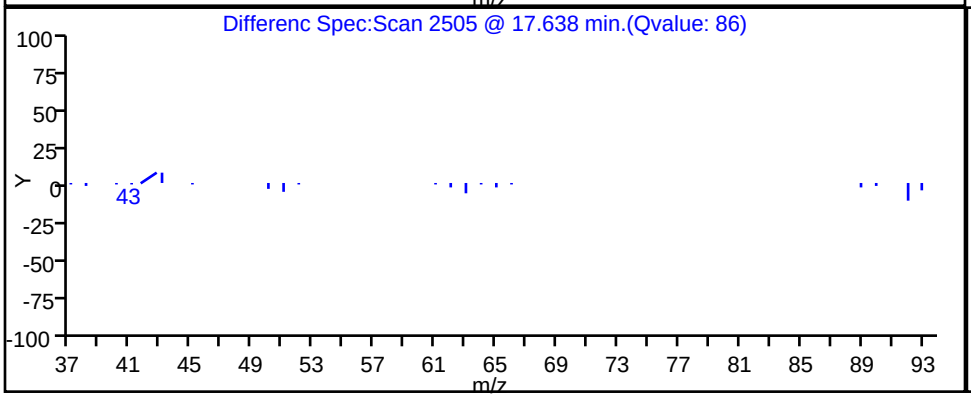


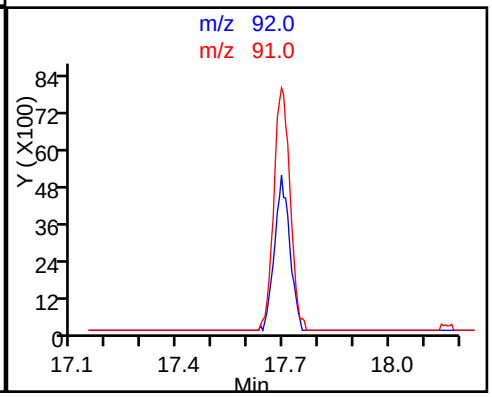












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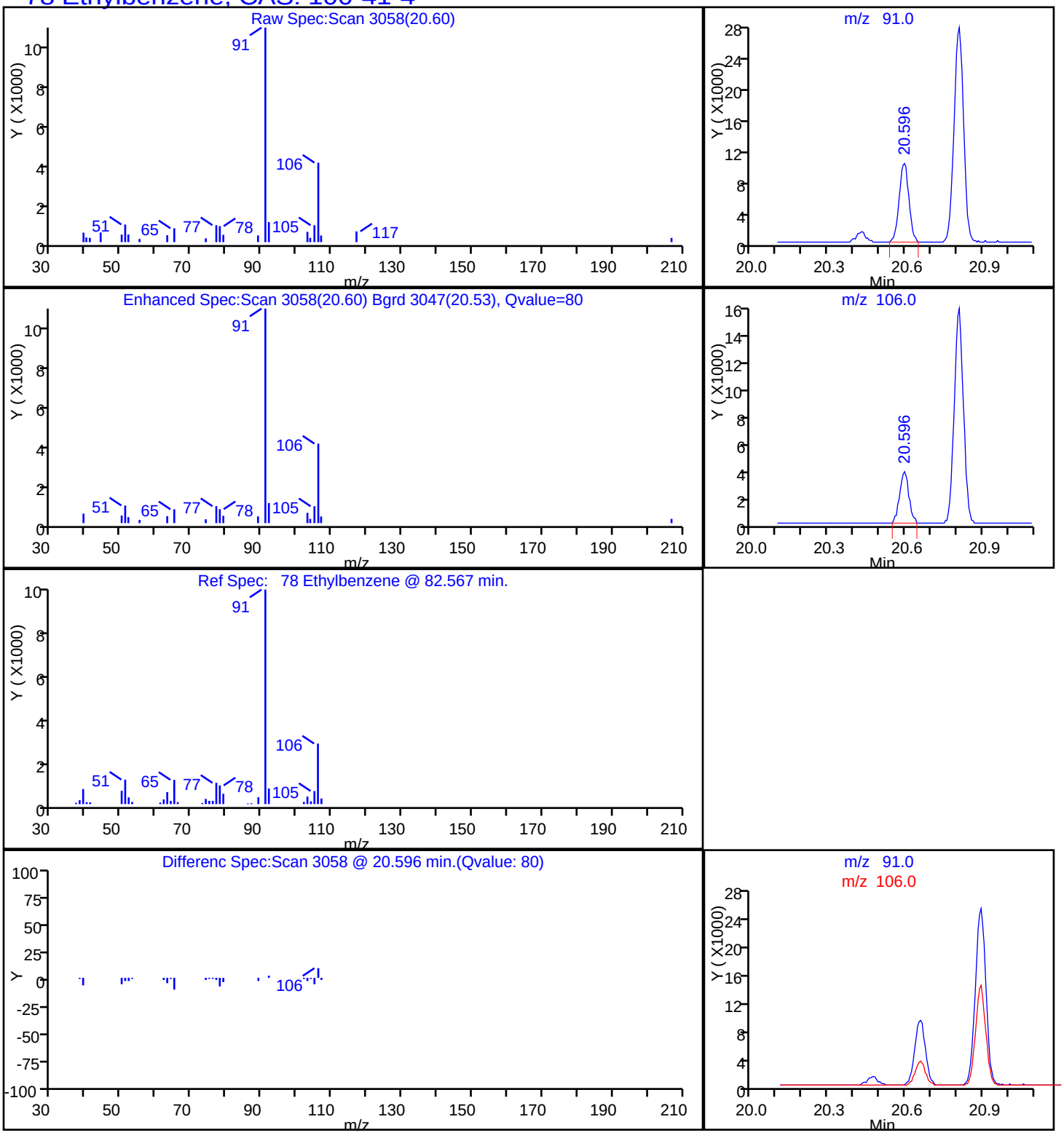
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4

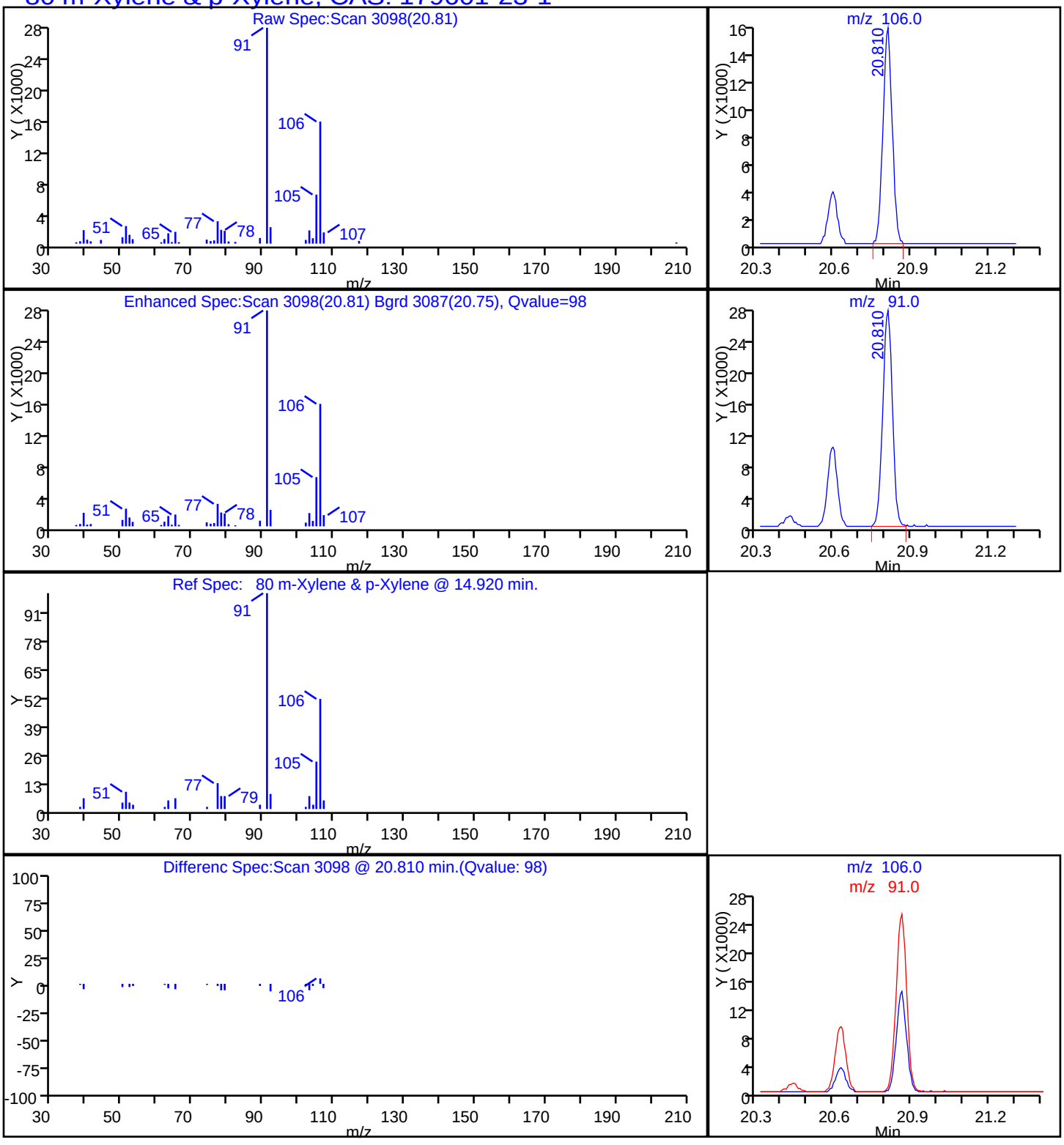


Report Date: 18-Jul-2014 10:16:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d				
Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



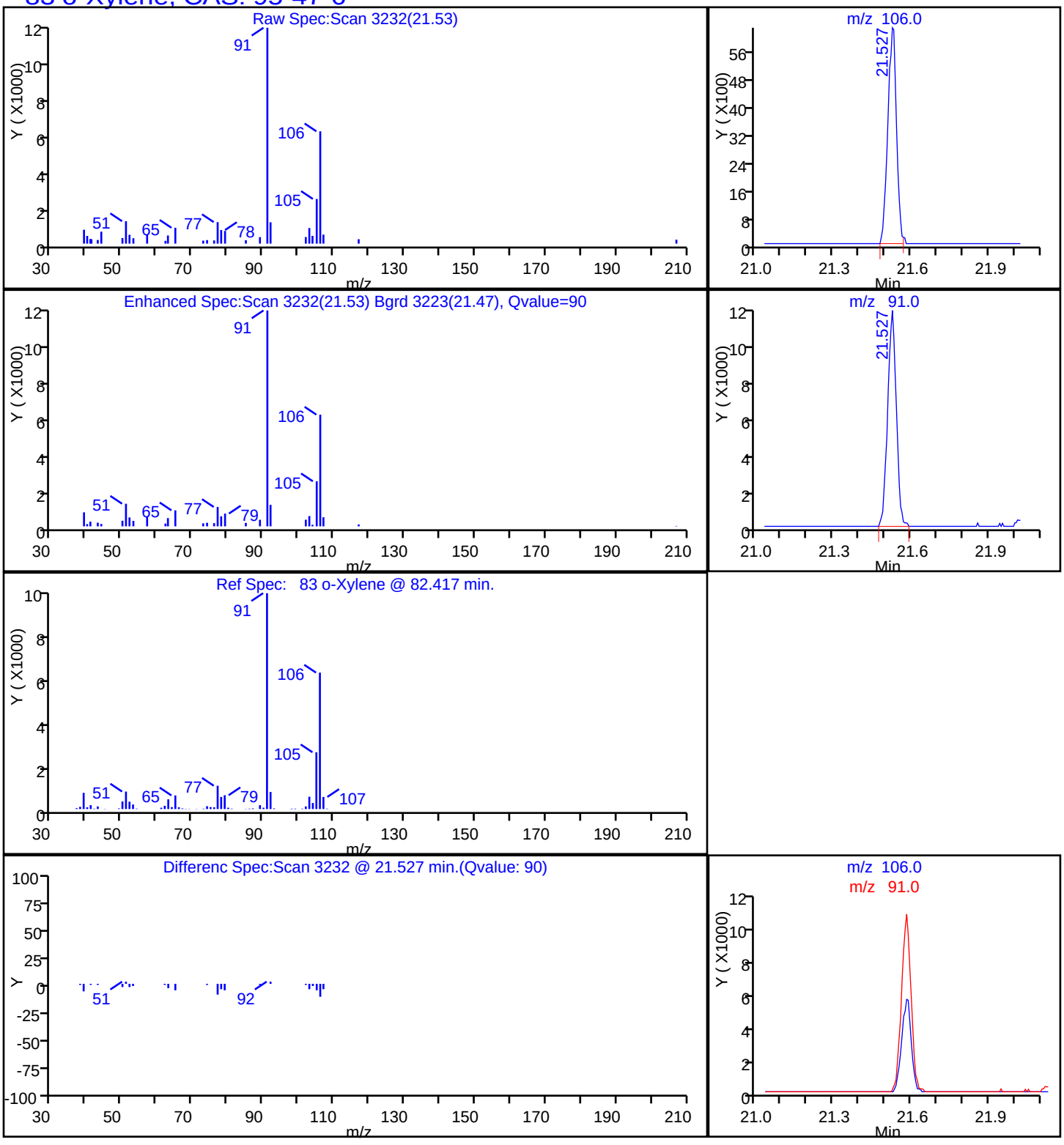
Report Date: 18-Jul-2014 10:16:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



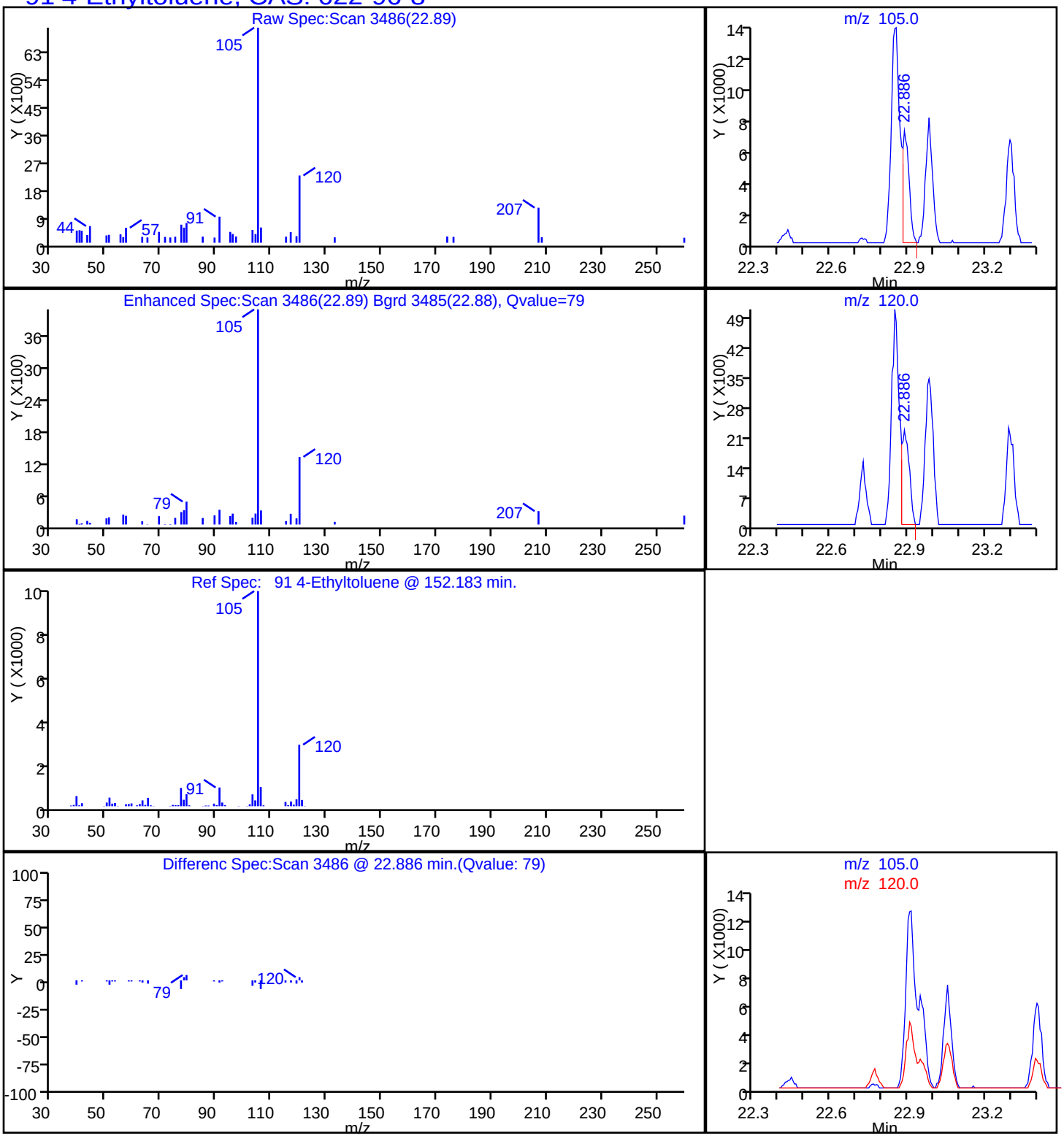
Report Date: 18-Jul-2014 10:16:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 4-Ethyltoluene, CAS: 622-96-8



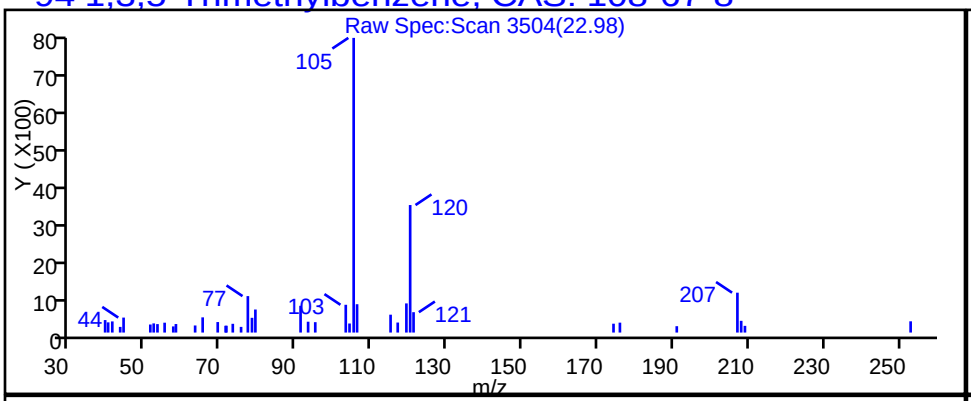
Report Date: 18-Jul-2014 10:16:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

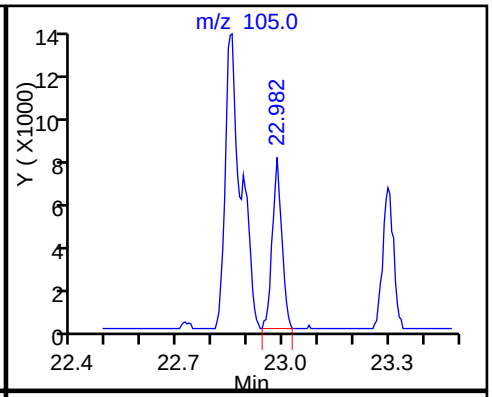
TestAmerica Burlington

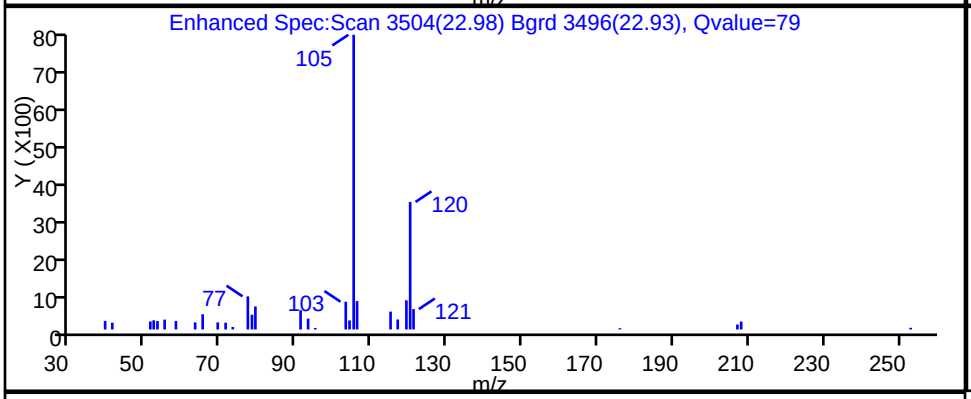
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

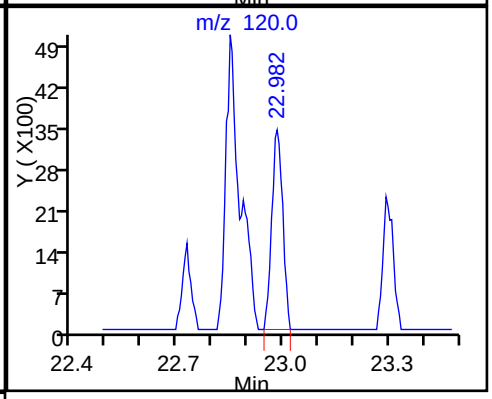
Injection Date:	17-Jul-2014 16:40:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

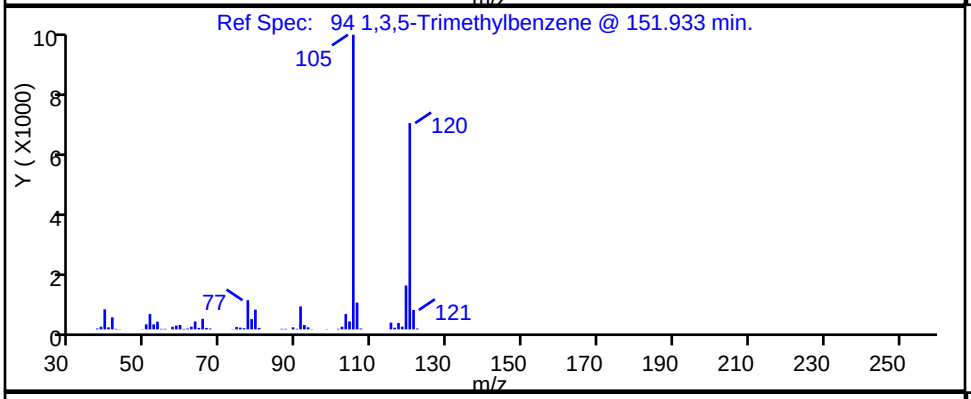
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

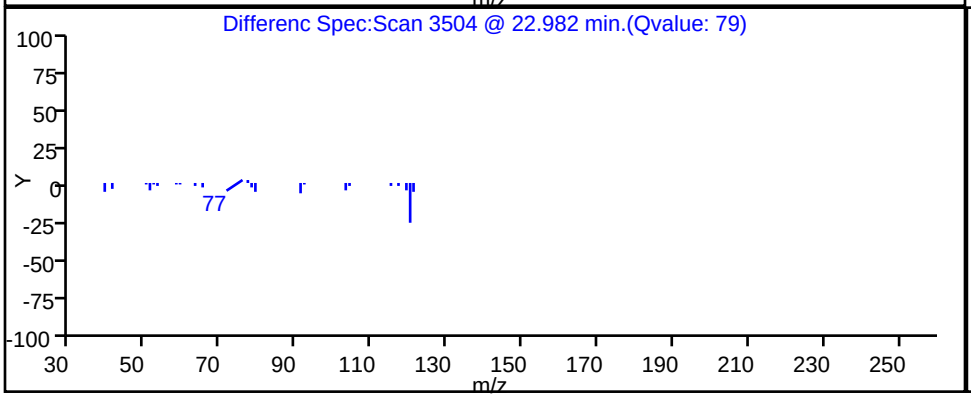


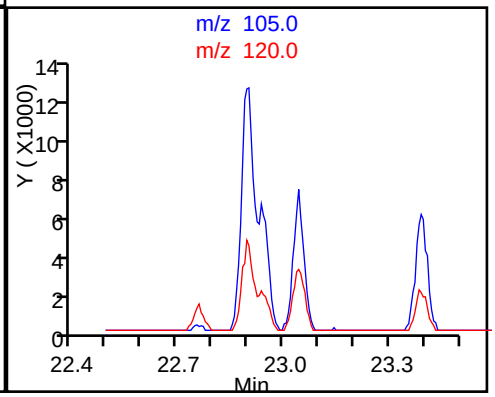












Report Date: 18-Jul-2014 10:16:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

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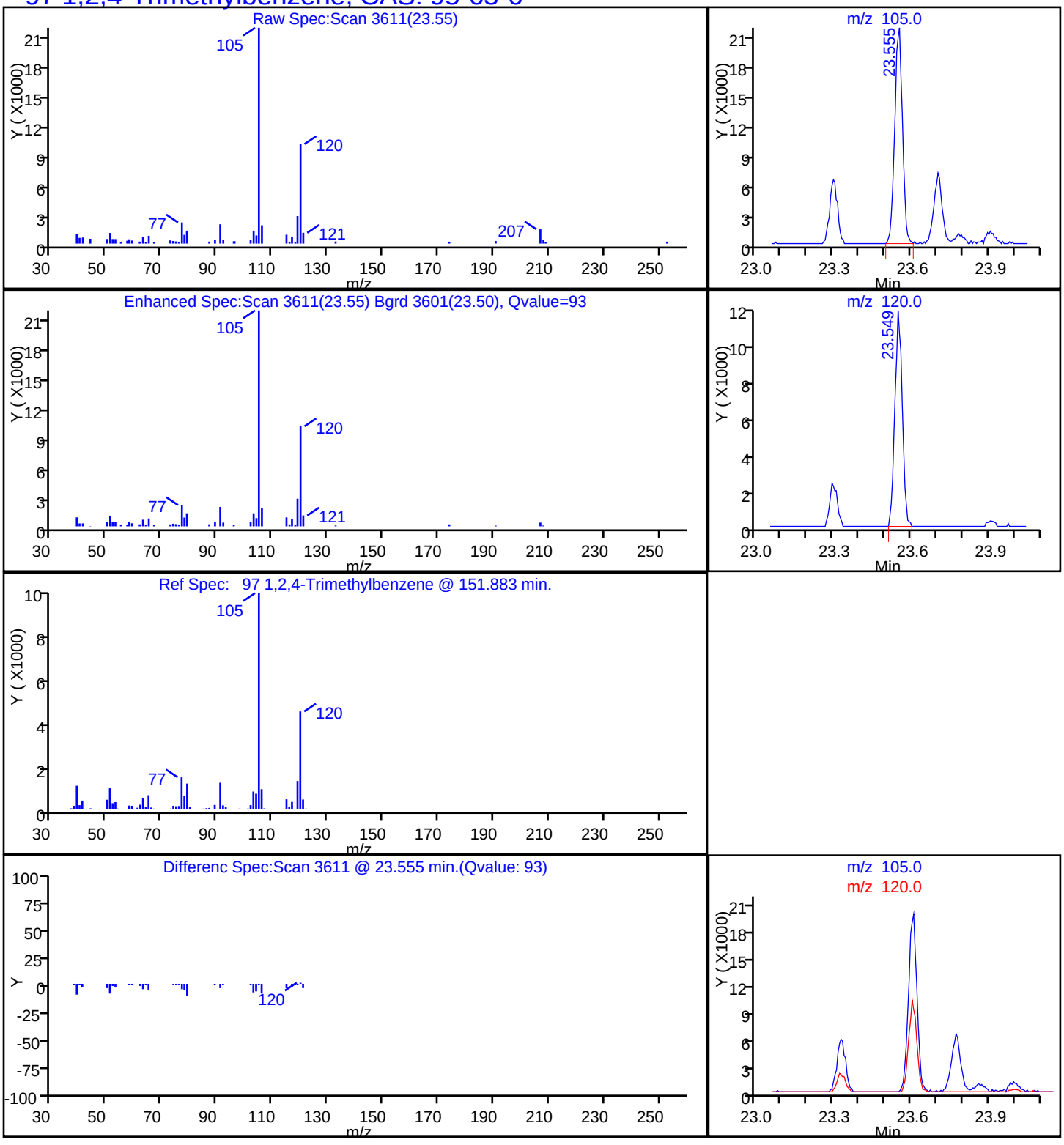
Lims ID:	200-23187-A-4	Lab Sample ID:	200-23187-4		
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 1,2,4-Trimethylbenzene, CAS: 95-63-6



Report Date: 18-Jul-2014 10:16:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

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Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_008.d

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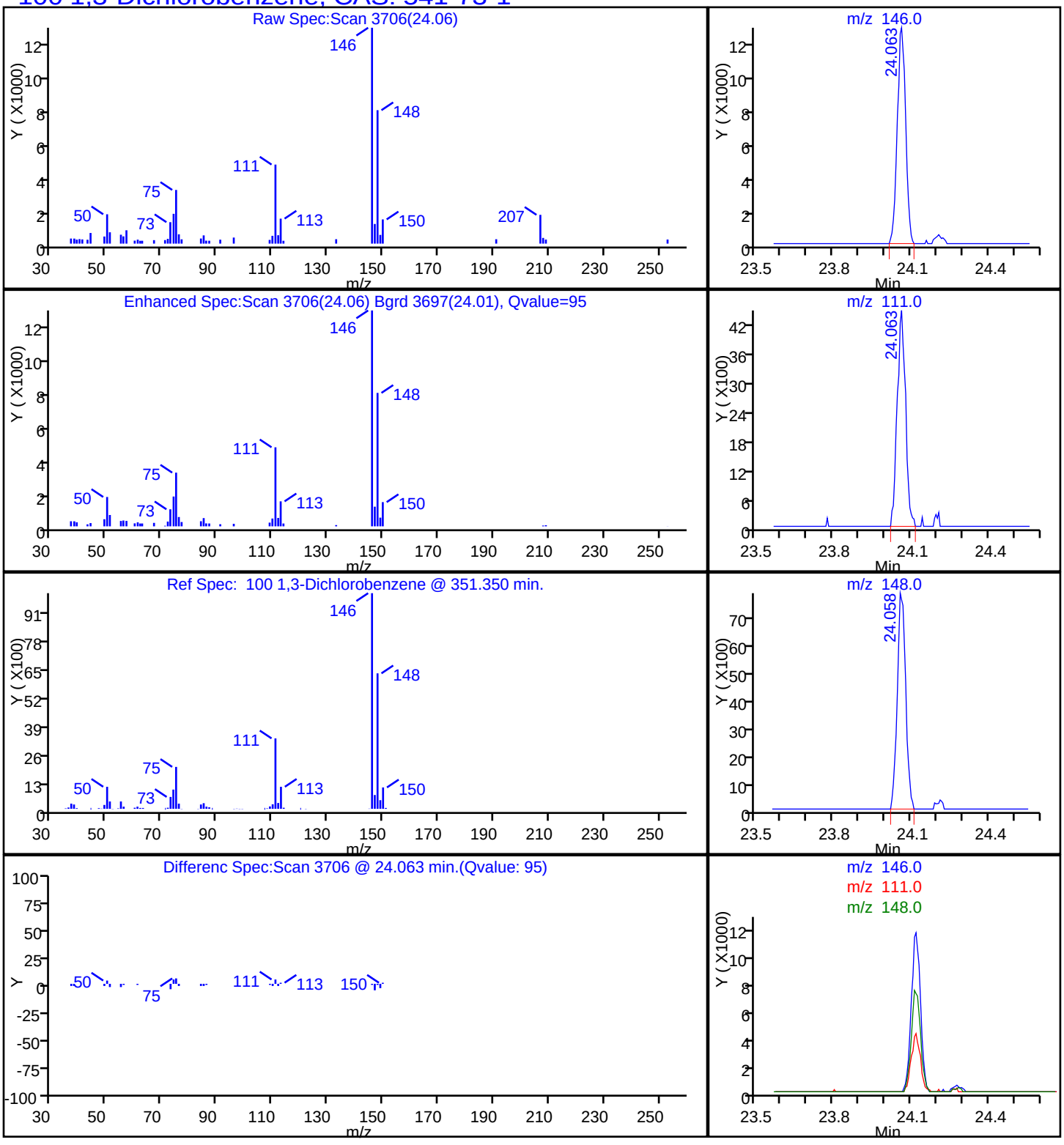
Client ID:	SSDS MID-CARBON				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	6.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SSDS EFFLUENT(POST Lab Sample ID: 200-23187-5

Matrix: Air Lab File ID: 8602_009.d

Analysis Method: TO-15 Date Collected: 07/10/2014 16:41

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 17:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	1.4		0.50	0.030
75-45-6	Freon 22	86.47	0.77		0.50	0.048
76-14-2	Freon-114	170.92	0.14	J	0.20	0.035
74-87-3	Chloromethane	50.49	0.38	J	0.50	0.14
106-97-8	n-Butane	58.12	3.3		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	3.3		0.20	0.030
76-13-1	Freon 113	187.38	0.20	U	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	2.8	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	28		5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	24		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.47		0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.11	J	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.39	J	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.48		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.95		0.20	0.064
67-66-3	Chloroform	119.38	0.91		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	0.85	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.056	J	0.20	0.021
110-82-7	Cyclohexane	84.16	0.10	J	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.026	J	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SSDS EFFLUENT(POST Lab Sample ID: 200-23187-5

Matrix: Air Lab File ID: 8602_009.d

Analysis Method: TO-15 Date Collected: 07/10/2014 16:41

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 17:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.46	J	0.50	0.027
108-88-3	Toluene	92.14	0.14	J	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.10	J	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.018	J	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.0094	J	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.17	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.60		0.50	0.023
95-47-6	Xylene, o-	106.17	0.23		0.20	0.016
1330-20-7	Xylene (total)	106.17	0.83		0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.088	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.12	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.017	J	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.051	J	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.40		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.16	J B	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.026	J B	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SSDS EFFLUENT(POST Lab Sample ID: 200-23187-5

Matrix: Air Lab File ID: 8602_009.d

Analysis Method: TO-15 Date Collected: 07/10/2014 16:41

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 17:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SSDS EFFLUENT(POST Lab Sample ID: 200-23187-5

Matrix: Air Lab File ID: 8602_009.d

Analysis Method: TO-15 Date Collected: 07/10/2014 16:41

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 17:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	7.0		2.5	0.15
75-45-6	Freon 22	86.47	2.7		1.8	0.17
76-14-2	Freon-114	170.92	0.96	J	1.4	0.24
74-87-3	Chloromethane	50.49	0.78	J	1.0	0.28
106-97-8	n-Butane	58.12	7.7		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	19		1.1	0.17
76-13-1	Freon 113	187.38	1.5	U	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	6.6	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	69		12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	82		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	1.9		0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.43	J	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.2	J	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	1.9		0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	3.8		0.79	0.25
67-66-3	Chloroform	119.38	4.5		0.98	0.12
109-99-9	Tetrahydrofuran	72.11	2.5	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	0.31	J	1.1	0.11
110-82-7	Cyclohexane	84.16	0.35	J	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.082	J	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SSDS EFFLUENT(POST Lab Sample ID: 200-23187-5

Matrix: Air Lab File ID: 8602_009.d

Analysis Method: TO-15 Date Collected: 07/10/2014 16:41

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 17:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	1.9	J	2.0	0.11
108-88-3	Toluene	92.14	0.52	J	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.46	J	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	0.12	J	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.043	J	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.73	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.6		2.2	0.10
95-47-6	Xylene, o-	106.17	1.0		0.87	0.069
1330-20-7	Xylene (total)	106.17	3.6		0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.43	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.57	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	0.088	J	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.28	J	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0		0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	0.95	J B	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	0.16	J B	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SSDS EFFLUENT(POST Lab Sample ID: 200-23187-5

Matrix: Air Lab File ID: 8602_009.d

Analysis Method: TO-15 Date Collected: 07/10/2014 16:41

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 17:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d
Lims ID: 200-23187-A-5 Lab Sample ID: 200-23187-5
Client ID: SSDS EFFLUENT(POST CARBON)
Sample Type: Client
Inject. Date: 17-Jul-2014 17:31:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008602-009
Misc. Info.: 200-23187-A-5
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Jul-2014 10:06:54 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.488	4.488	0.000	80	165630	1.42	
6 Chlorodifluoromethane	51	4.552	4.552	0.000	44	44870	0.7687	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.932	4.836	0.096	1	16113	0.1379	
8 Chloromethane	50	5.029	5.034	-0.006	69	12973	0.3756	
9 Butane	43	5.296	5.291	0.006	99	186192	3.25	
10 Vinyl chloride	62		5.349				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.318				ND	
14 Chloroethane	64		6.601				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101	7.190	7.190	0.000	86	428447	3.33	
23 1,1,2-Trichloro-1,2,2-trif	101		8.436				ND	
24 1,1-Dichloroethene	96		8.511				ND	
25 Acetone	43	8.741	8.741	0.000	88	168682	2.77	
26 Carbon disulfide	76		9.003				ND	
27 Isopropyl alcohol	45	9.025	9.025	0.000	98	1444011	28.1	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49	9.731	9.731	0.000	79	991325	23.7	
32 2-Methyl-2-propanol	59		9.897				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61				0		0.9485	
34 trans-1,2-Dichloroethene	61	10.223	10.228	-0.005	73	27448	0.4724	
36 Hexane	57	10.635	10.640	-0.005	14	967	0.0137	
37 1,1-Dichloroethane	63	11.191	11.191	0.000	60	8097	0.1054	
39 cis-1,2-Dichloroethene	96	12.368	12.363	0.005	81	25914	0.4761	
40 2-Butanone (MEK)	72	12.379	12.379	0.000	94	10068	0.3914	
44 Tetrahydrofuran	42	12.839	12.839	0.000	34	34613	0.8548	
* 43 Chlorobromomethane	128	12.844	12.850	-0.006	74	399258	10.0	
45 Chloroform	83	12.957	12.957	0.000	84	86769	0.9129	
46 Cyclohexane	84	13.251	13.256	-0.005	75	7269	0.1027	
47 1,1,1-Trichloroethane	97	13.256	13.262	-0.006	61	5699	0.0565	
48 Carbon tetrachloride	117		13.524				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
51 Isooctane	57		13.909				ND	
50 Benzene	78	13.963	13.973	-0.010	20	3843	0.0257	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.262				ND	
* 54 1,4-Difluorobenzene	114	14.728	14.727	0.001	92	1909385	10.0	
56 Trichloroethene	95		15.198				ND	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.888				ND	
62 Dichlorobromomethane	83		16.209				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43	17.301	17.301	0.000	92	40276	0.4575	
66 Toluene	92	17.638	17.638	0.000	81	16666	0.1378	
70 trans-1,3-Dichloropropene	75	18.066	18.173	-0.107	1	7726	0.1009	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166	18.681	18.681	0.000	45	2202	0.0176	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.8353	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	80	1701974	10.0	
77 Chlorobenzene	112	20.484	20.478	0.006	1	1565	0.009362	
78 Ethylbenzene	91	20.591	20.596	-0.005	89	40686	0.1692	
80 m-Xylene & p-Xylene	106	20.805	20.810	-0.005	99	61948	0.6027	
83 o-Xylene	106	21.527	21.527	0.000	94	24415	0.2326	
84 Styrene	104		21.564				ND	
85 Bromoform	173		21.949				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.436	-0.010	98	1142481	NC	
88 1,1,2,2-Tetrachloroethane	83		22.666				ND	
90 N-Propylbenzene	91		22.741				ND	
91 4-Ethyltoluene	105	22.891	22.907	-0.016	93	25253	0.0885	
92 2-Chlorotoluene	91	22.897	22.945	-0.048	1	3958	0.0170	
94 1,3,5-Trimethylbenzene	105	22.982	22.998	-0.016	90	28232	0.1158	
96 tert-Butylbenzene	119	23.555	23.474	0.081	25	12764	0.0509	
97 1,2,4-Trimethylbenzene	105	23.549	23.565	-0.016	96	97658	0.3986	
98 sec-Butylbenzene	105		23.806				ND	
99 4-Isopropyltoluene	119		24.009				ND	
100 1,3-Dichlorobenzene	146	24.063	24.079	-0.016	97	30083	0.1585	
101 1,4-Dichlorobenzene	146	24.213	24.223	-0.010	26	4806	0.0259	
102 Benzyl chloride	91		24.432				ND	
103 n-Butylbenzene	91		24.640				ND	
105 1,2-Dichlorobenzene	146		24.828				ND	
107 1,2,4-Trichlorobenzene	180		27.706				ND	
108 Hexachlorobutadiene	225		27.904				ND	
109 Naphthalene	128		28.289				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

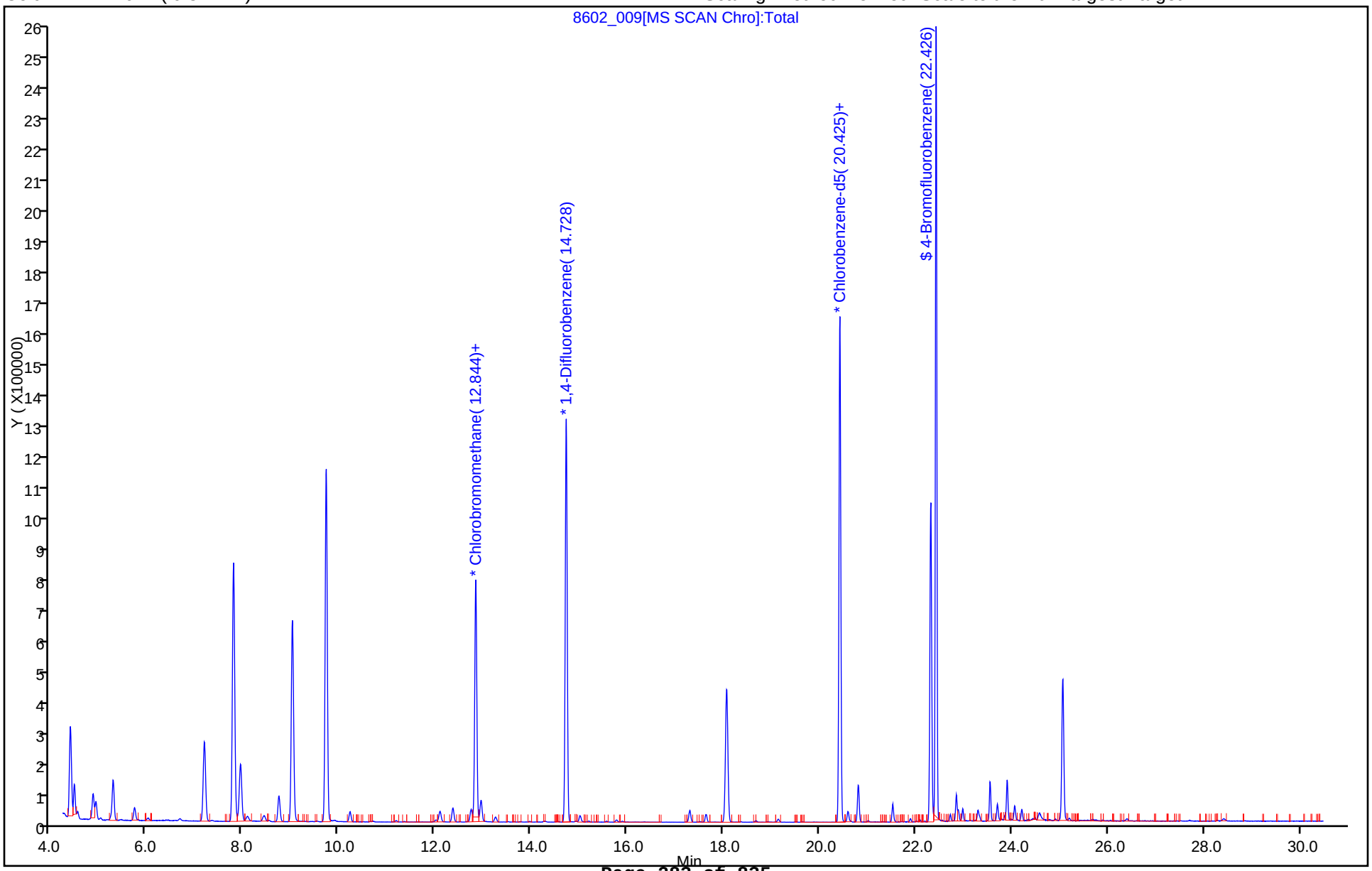
Report Date: 18-Jul-2014 10:16:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5	Worklist Smp#:	9
Client ID:	SSDS EFFLUENT(POST CARBON)				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



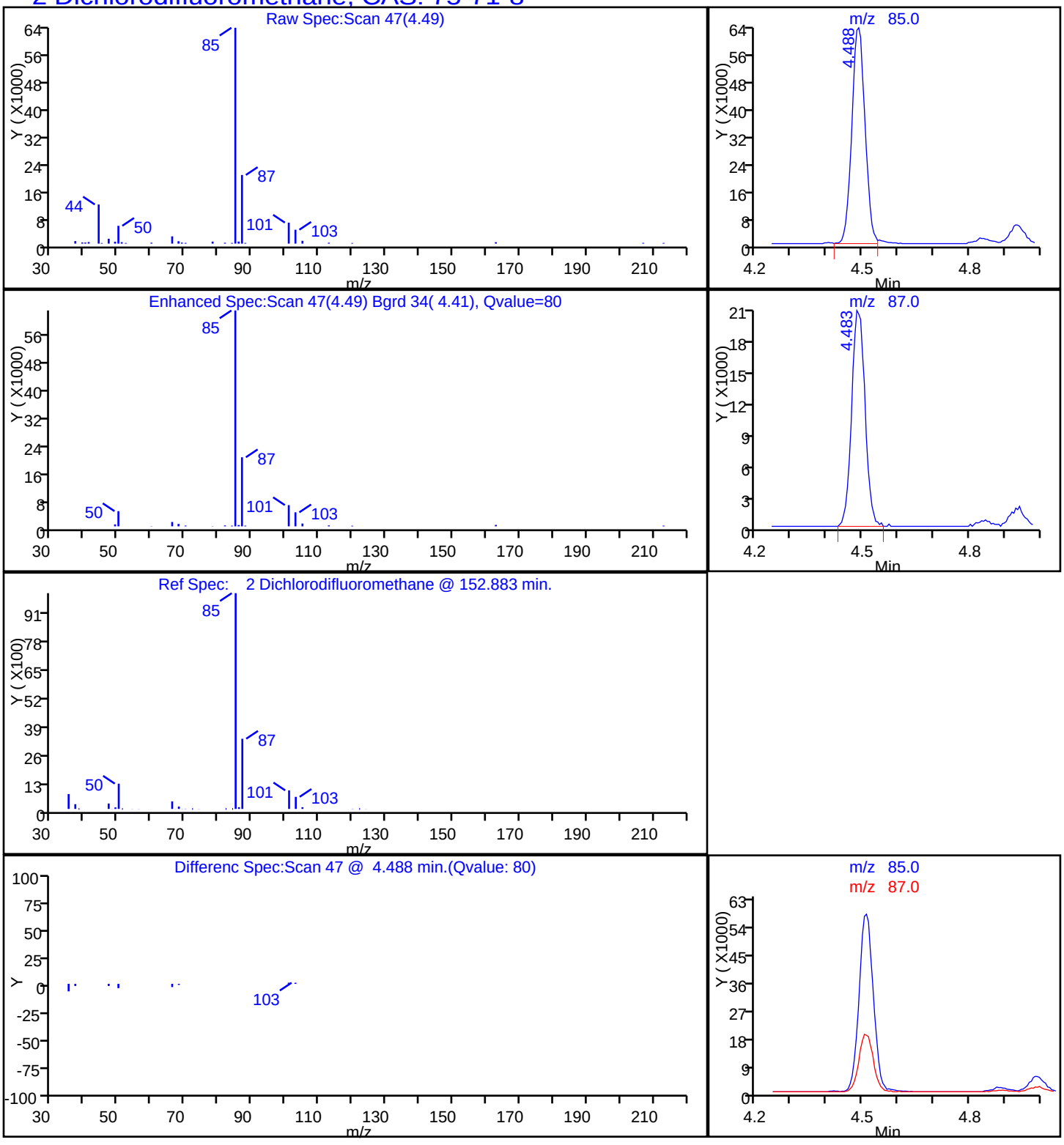
Report Date: 18-Jul-2014 10:16:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8



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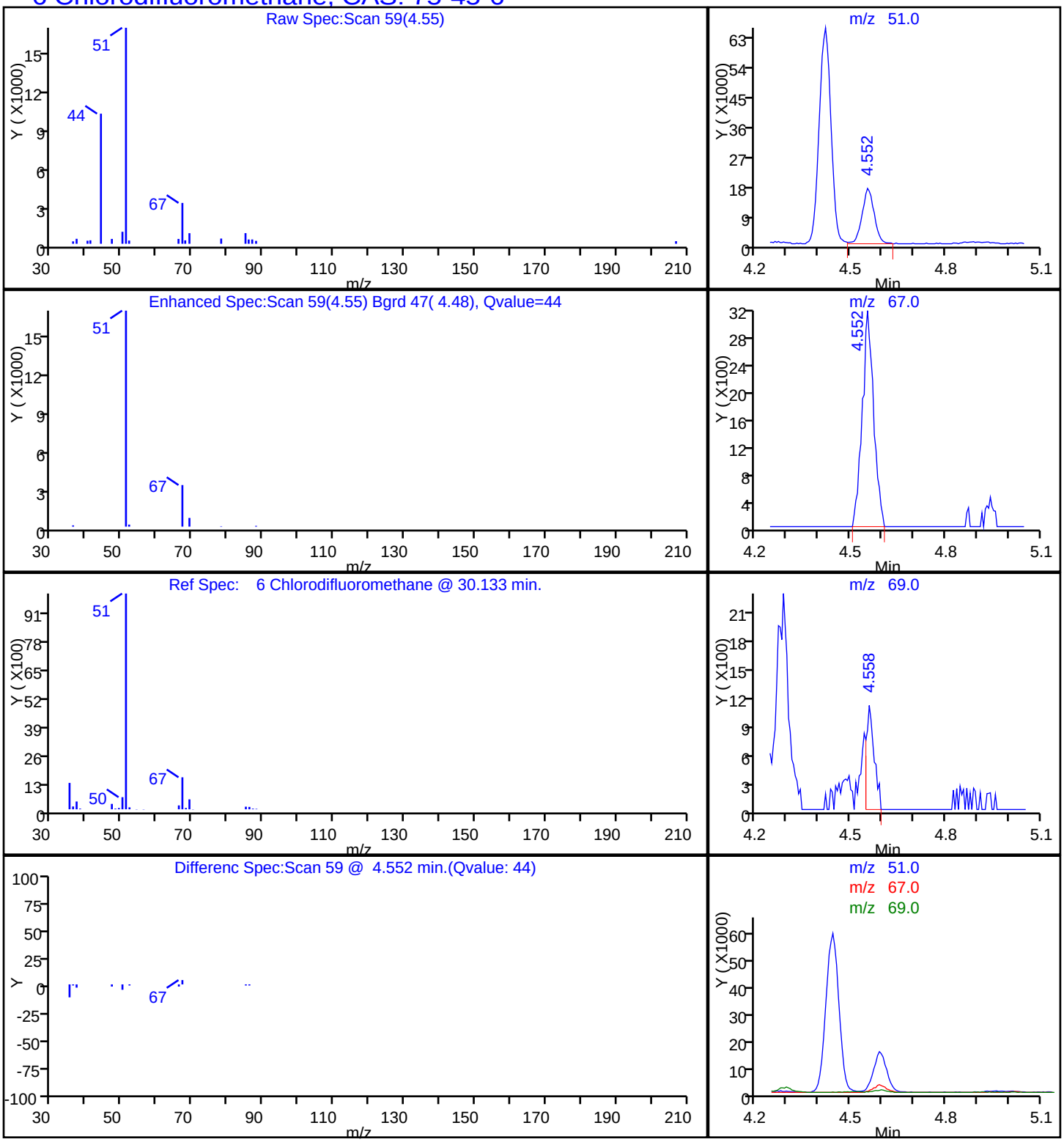
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



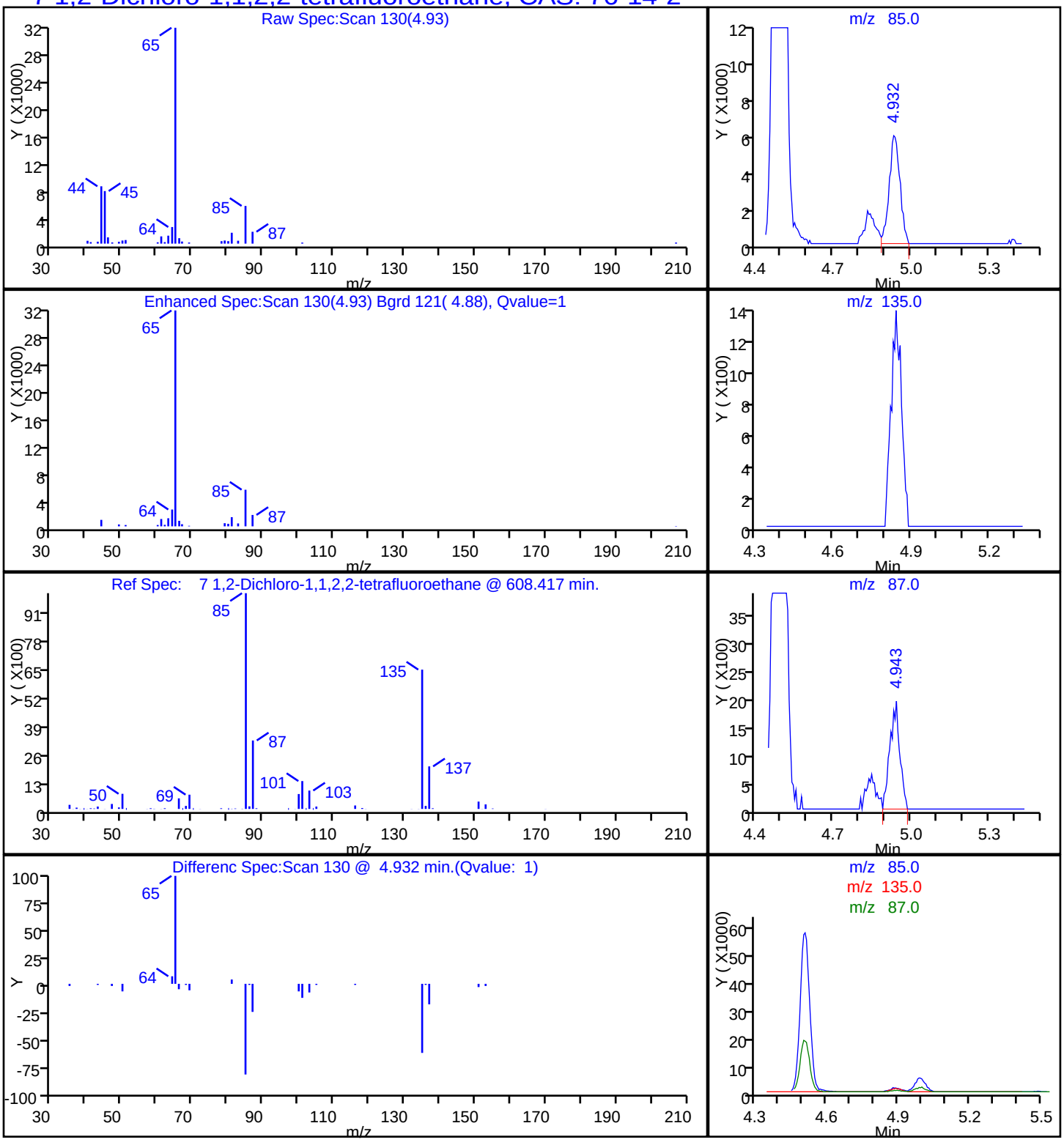
Report Date: 18-Jul-2014 10:16:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2



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TestAmerica Burlington

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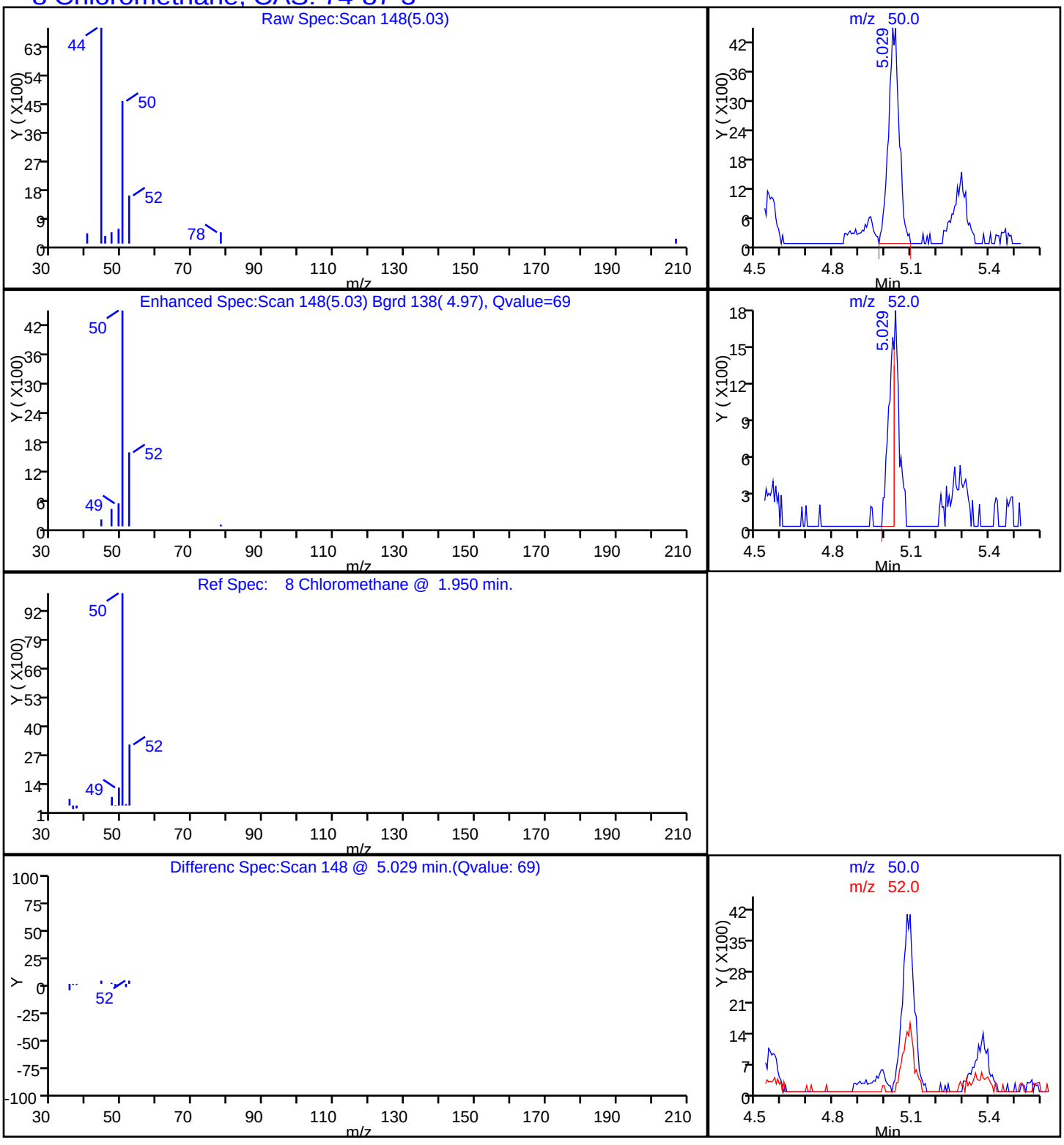
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3



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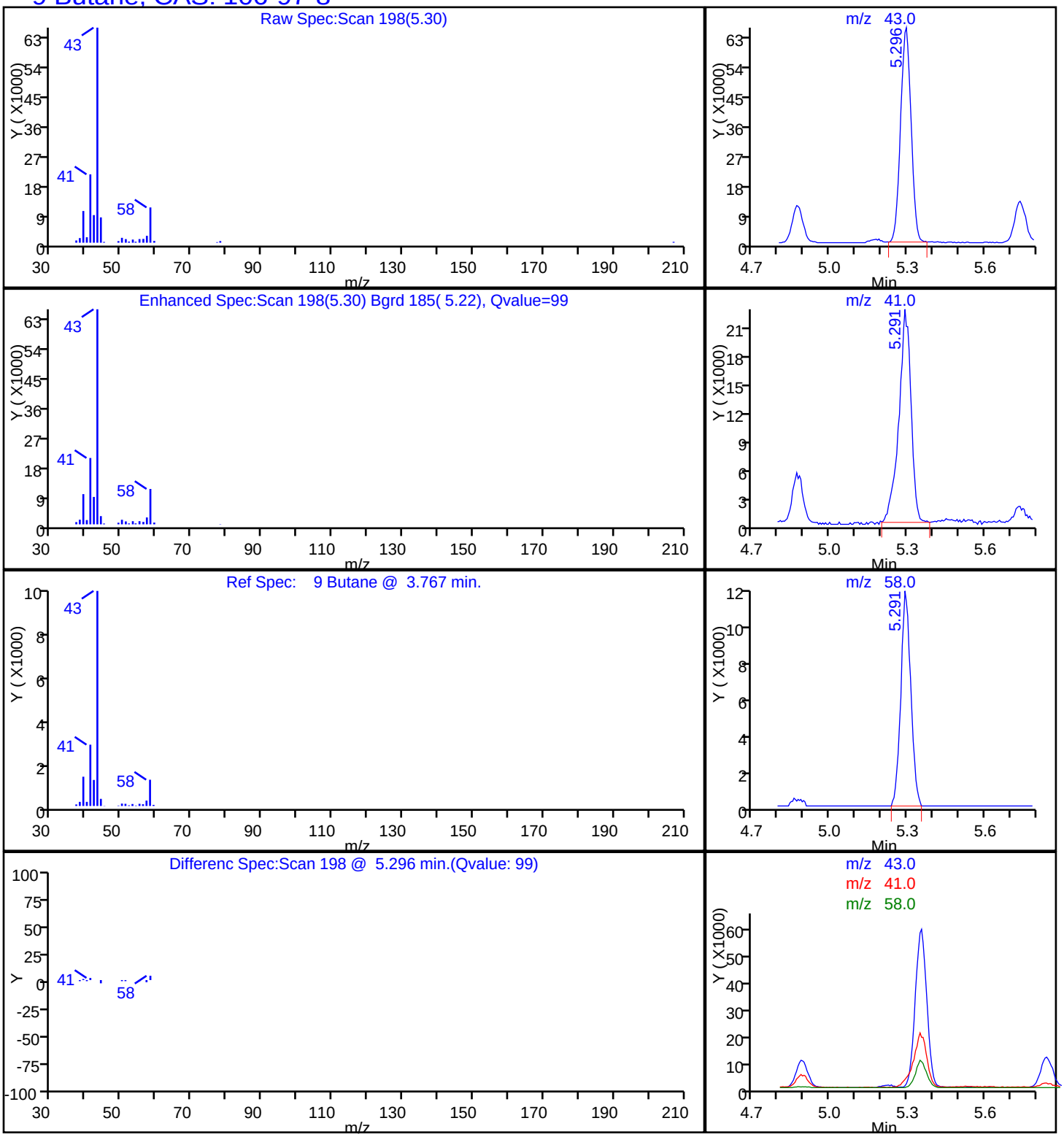
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



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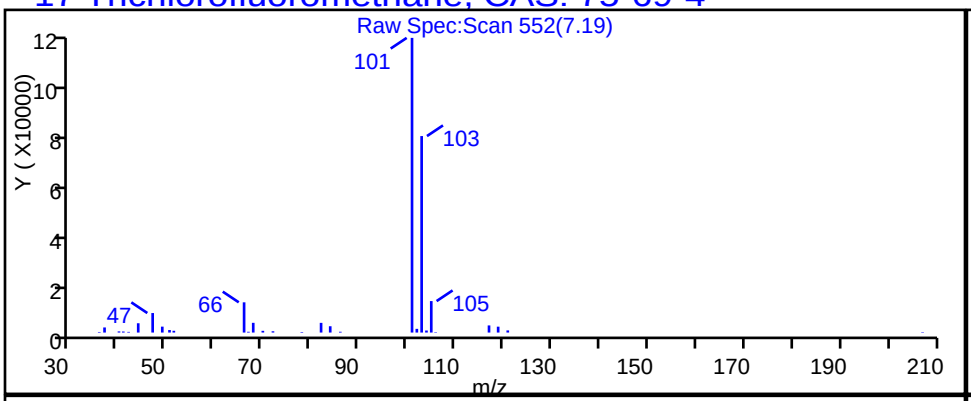
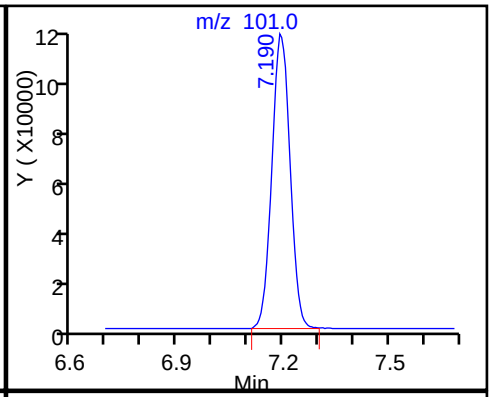
TestAmerica Burlington

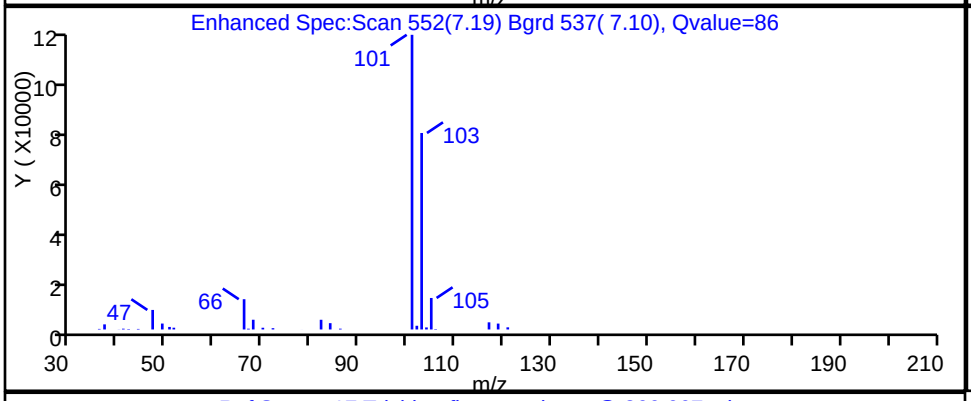
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

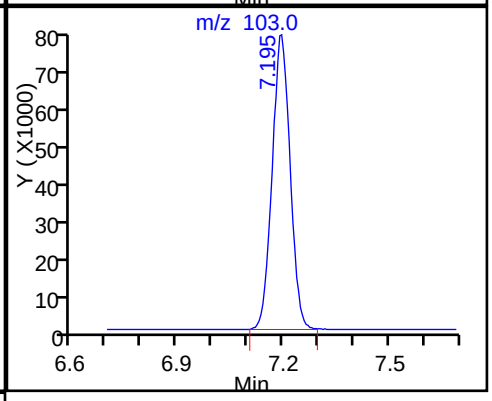
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

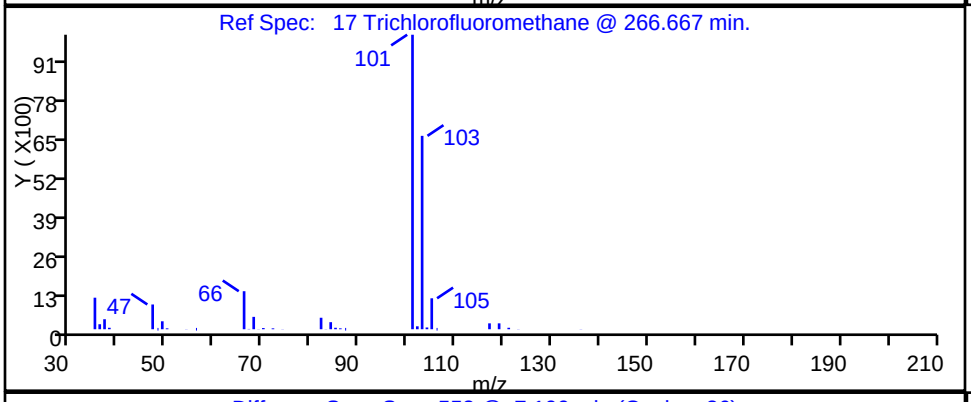
17 Trichlorofluoromethane, CAS: 75-69-4

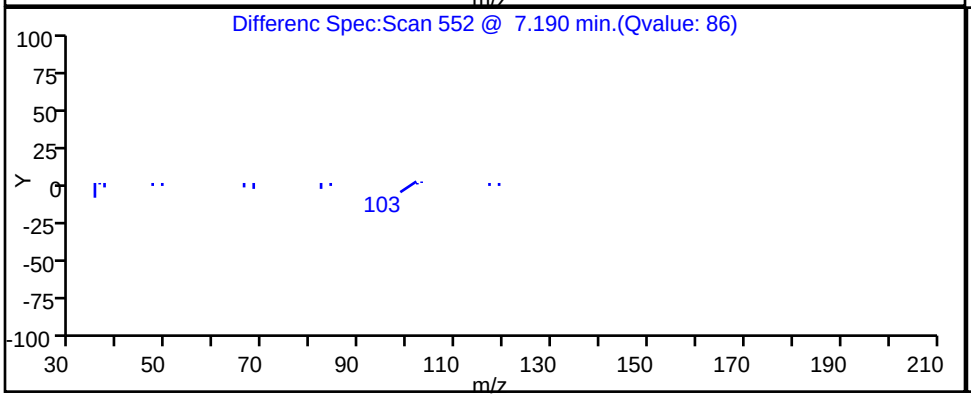


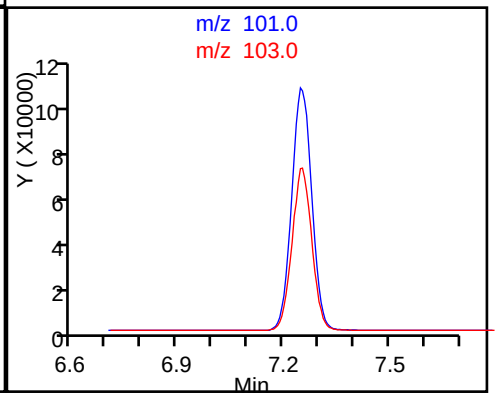












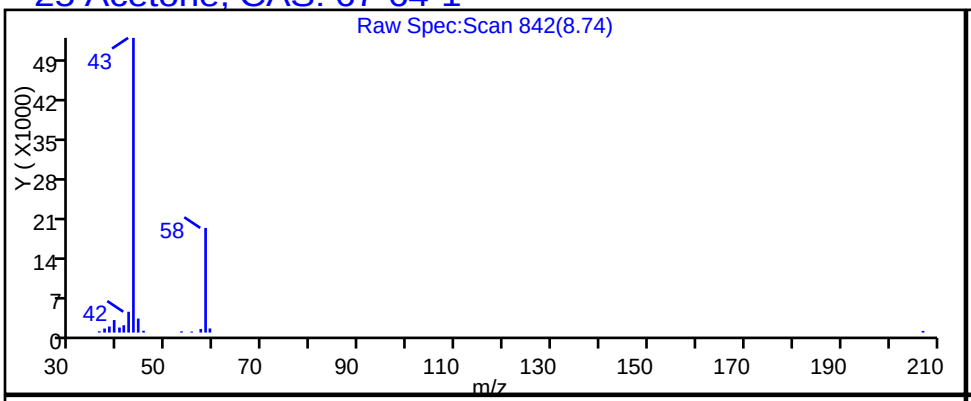
Report Date: 18-Jul-2014 10:16:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

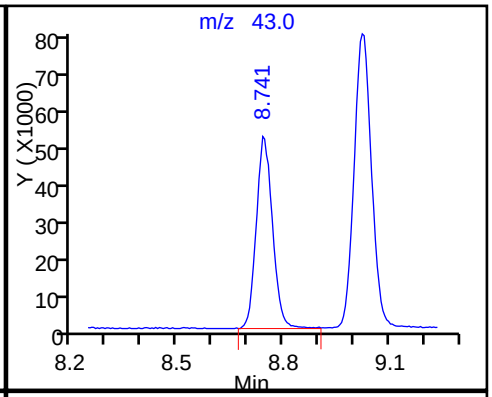
TestAmerica Burlington

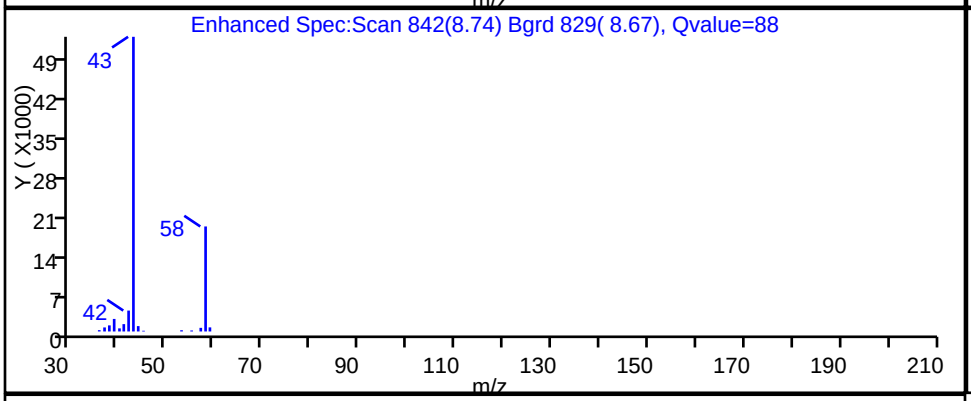
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

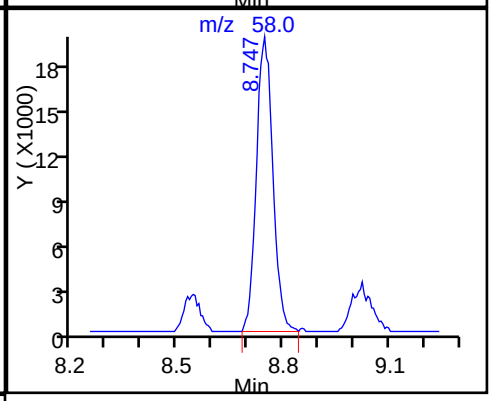
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

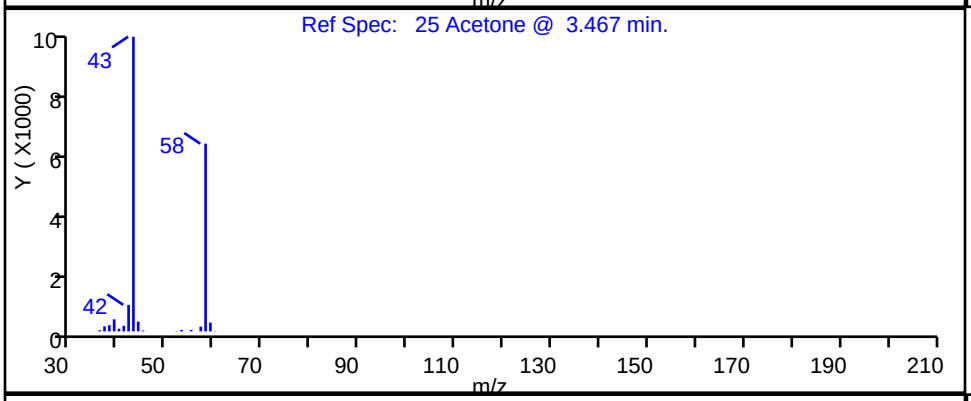
25 Acetone, CAS: 67-64-1

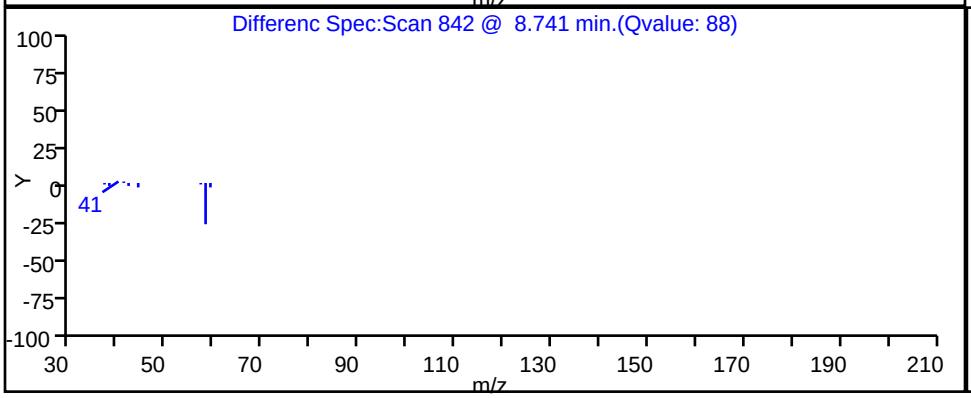


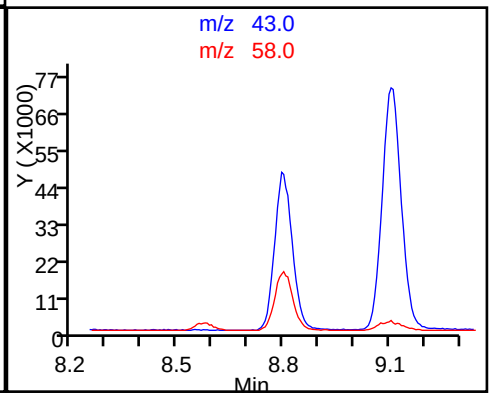












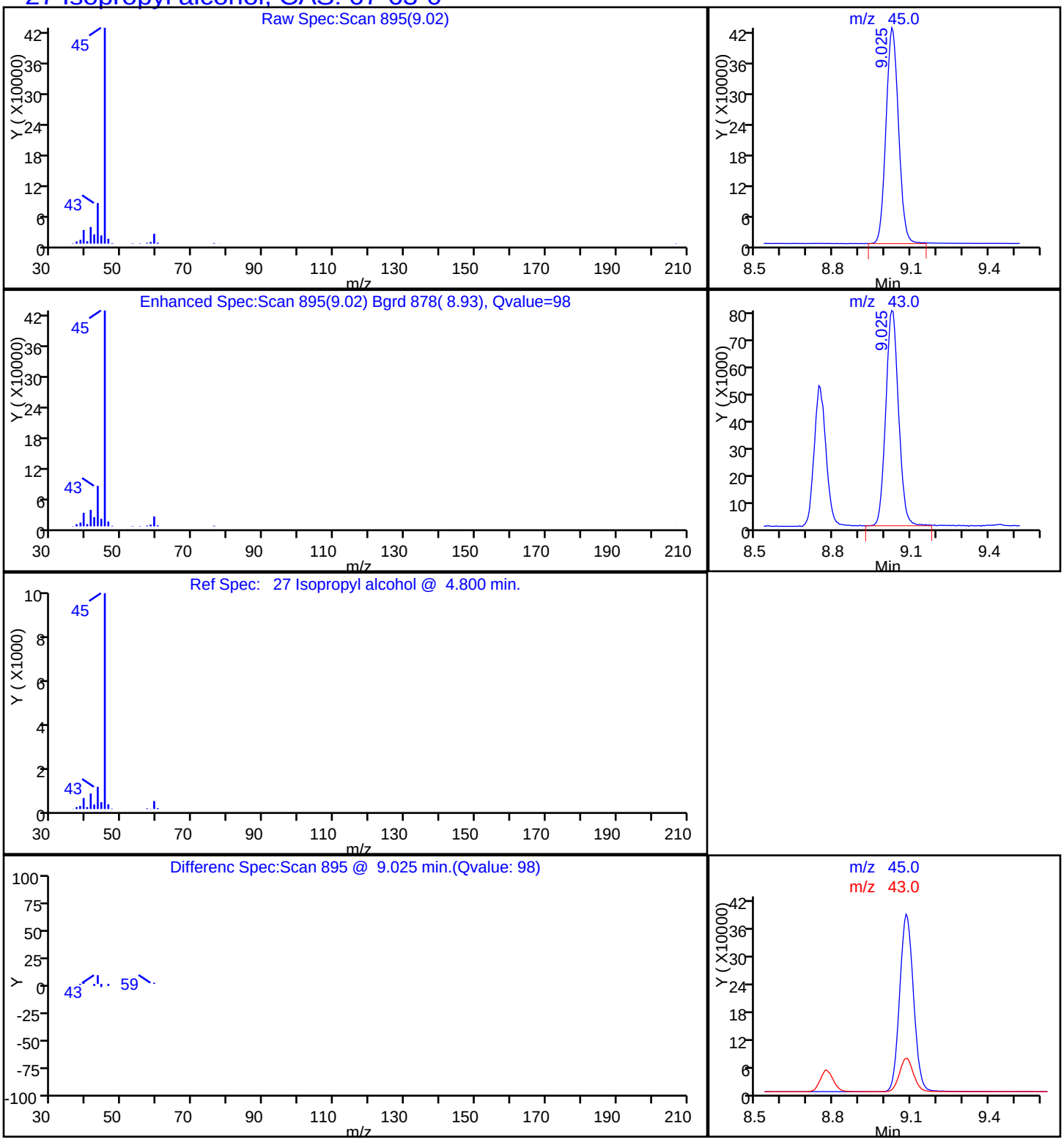
Report Date: 18-Jul-2014 10:16:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



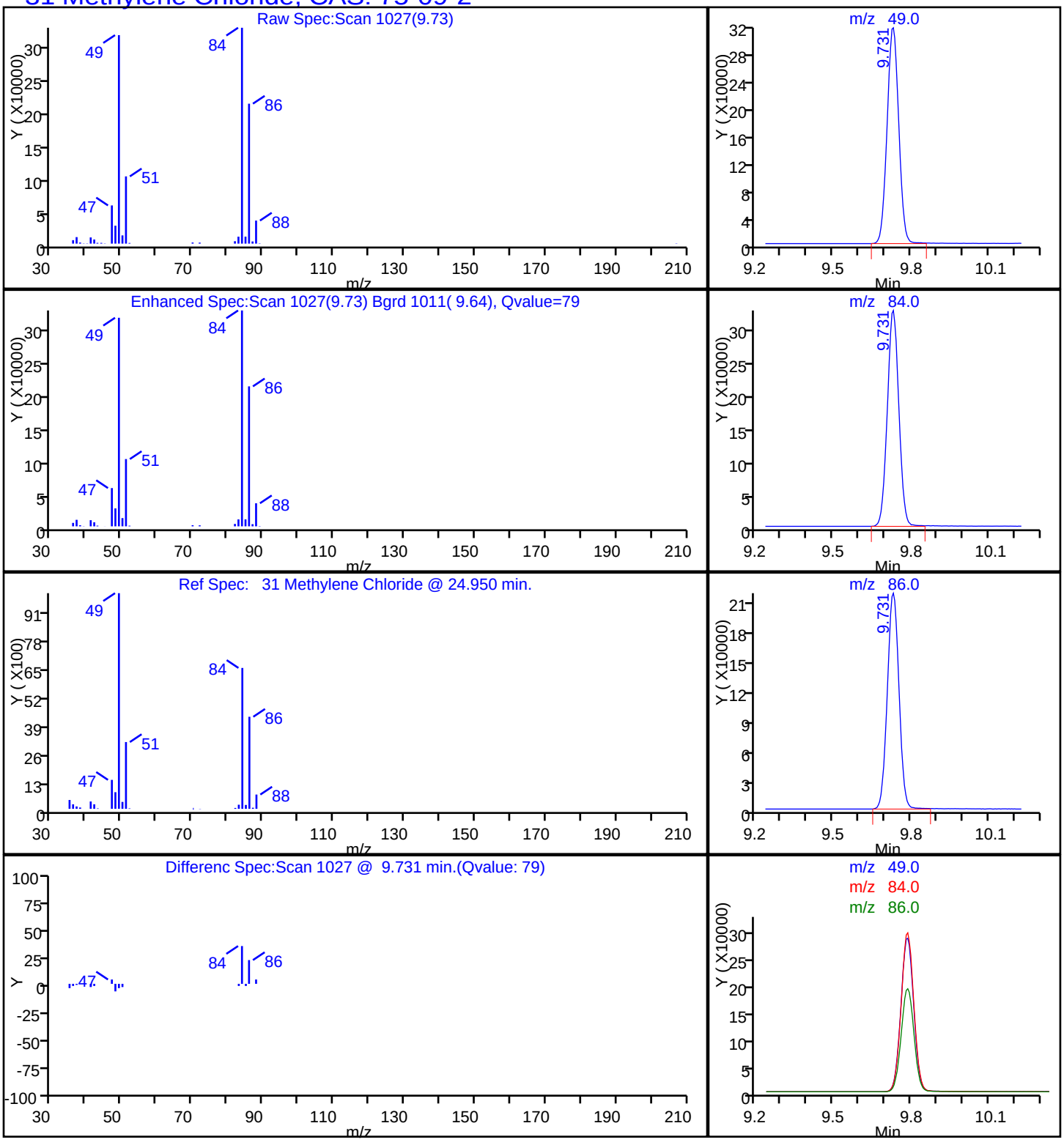
Report Date: 18-Jul-2014 10:16:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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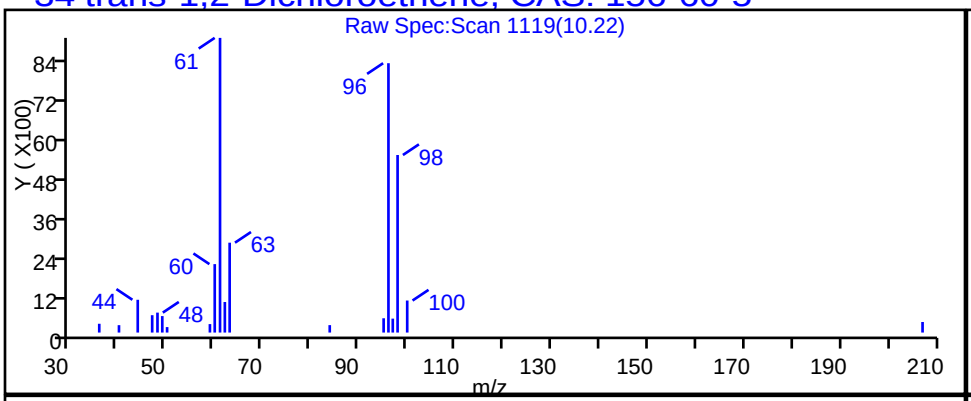
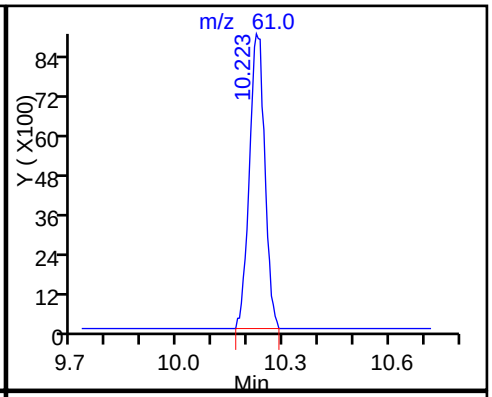
TestAmerica Burlington

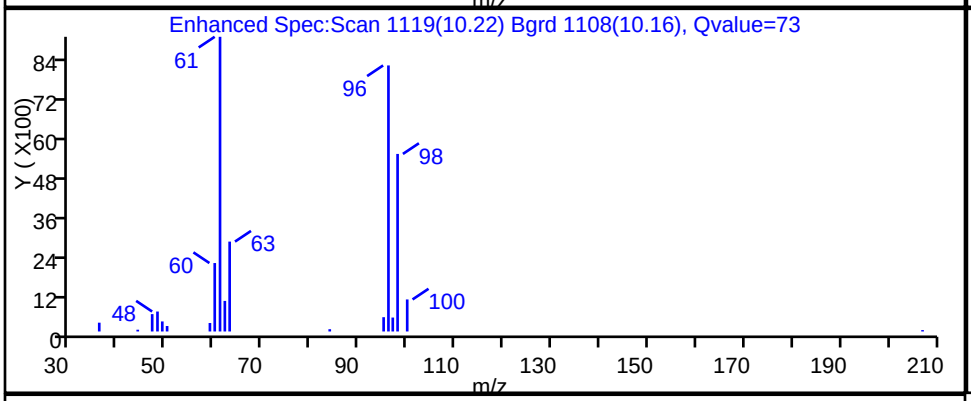
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

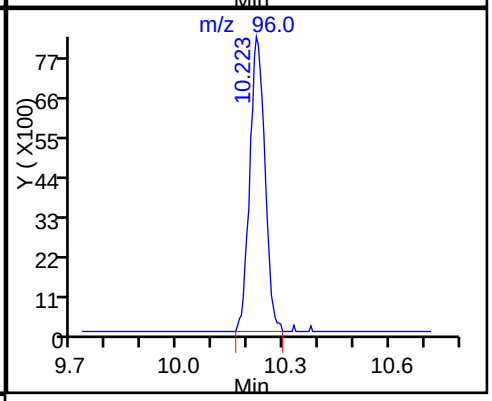
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

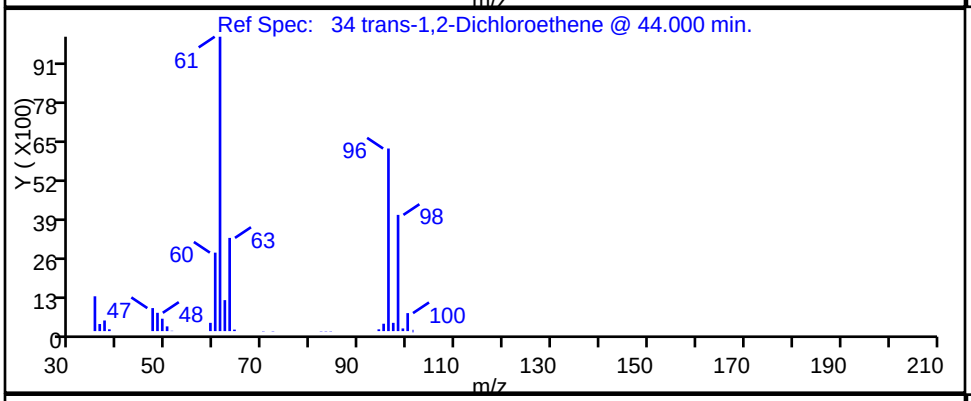
34 trans-1,2-Dichloroethene, CAS: 156-60-5

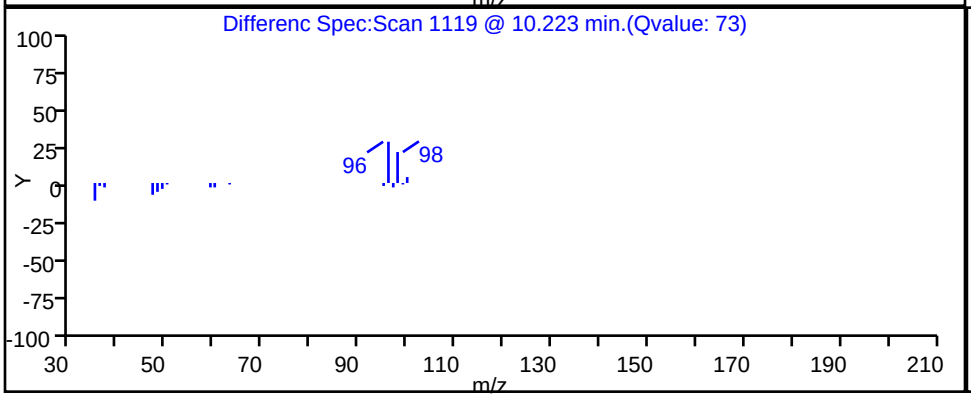


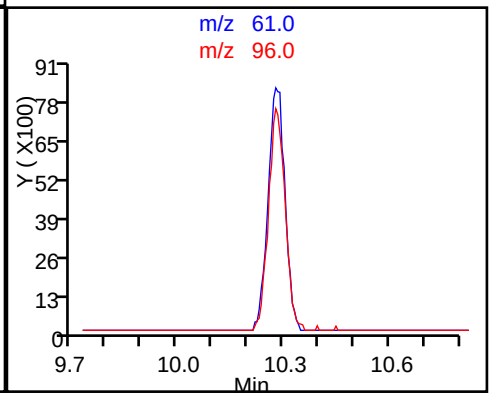












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TestAmerica Burlington

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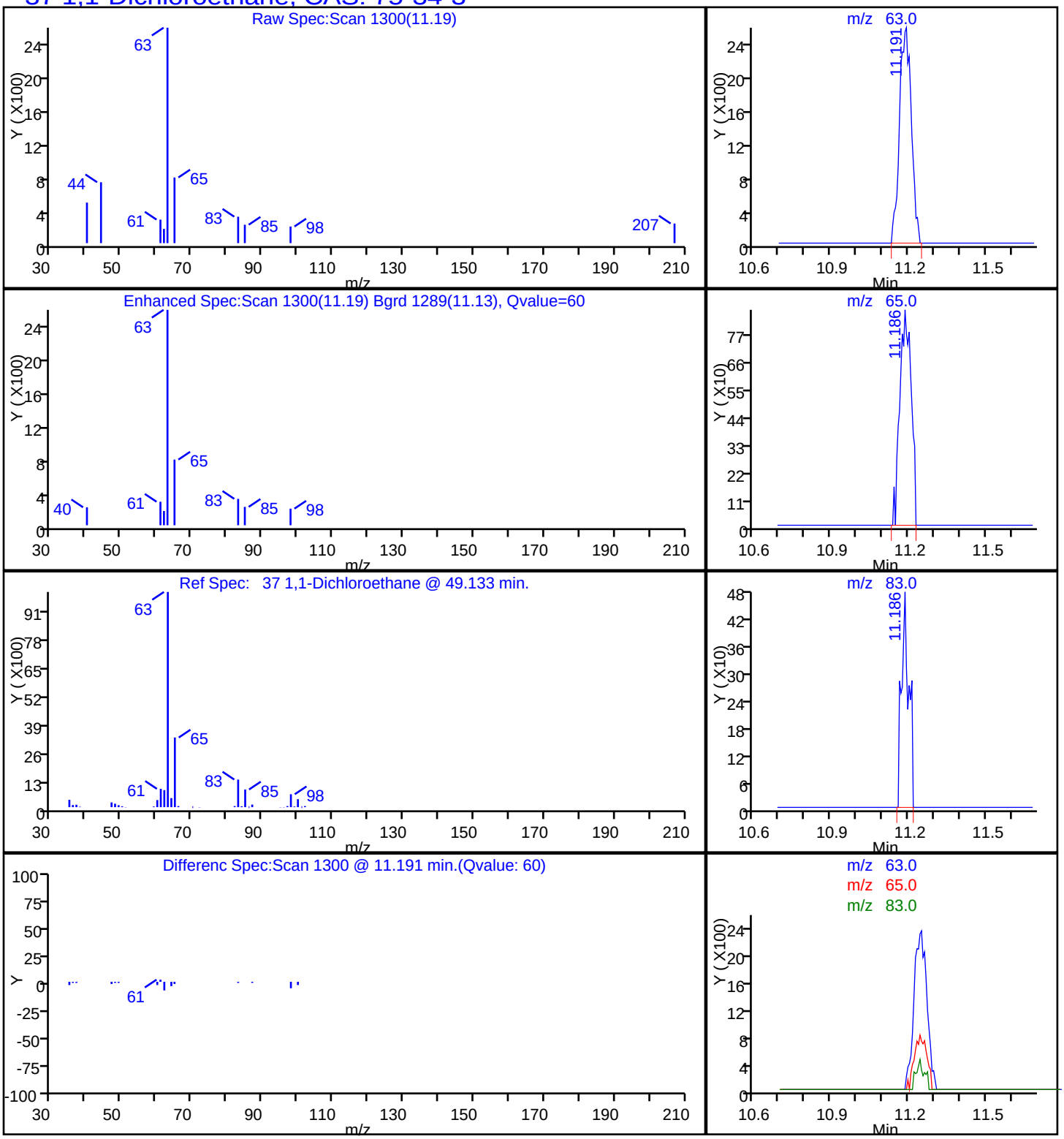
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



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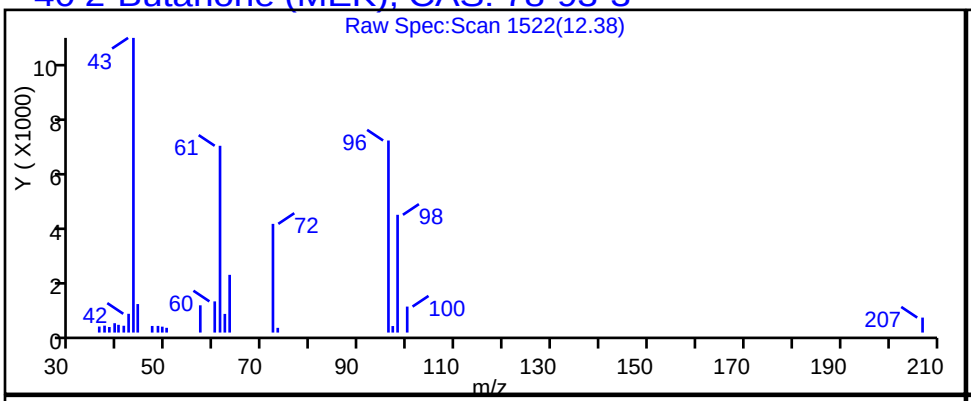
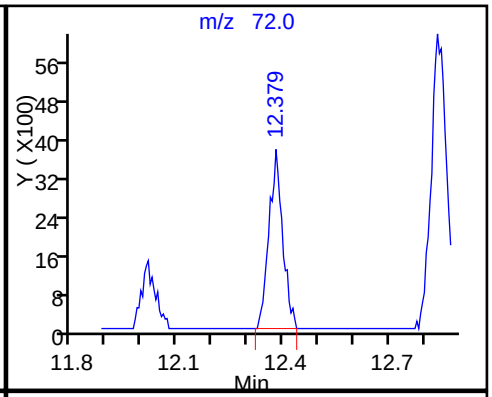
TestAmerica Burlington

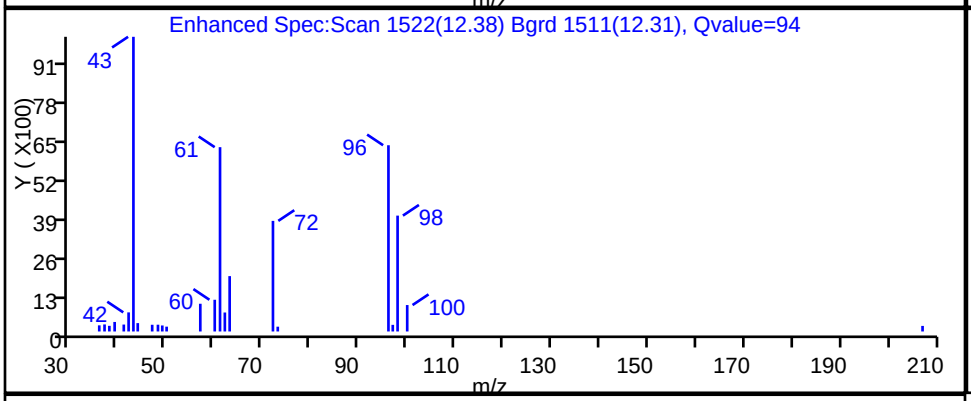
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

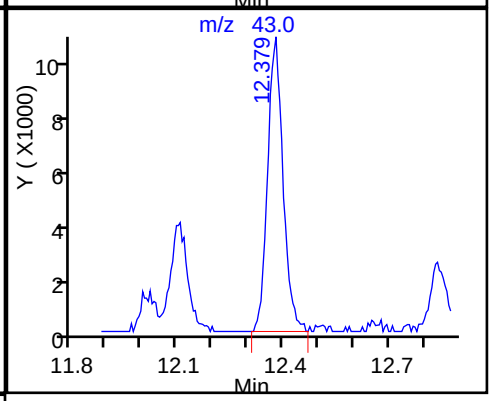
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

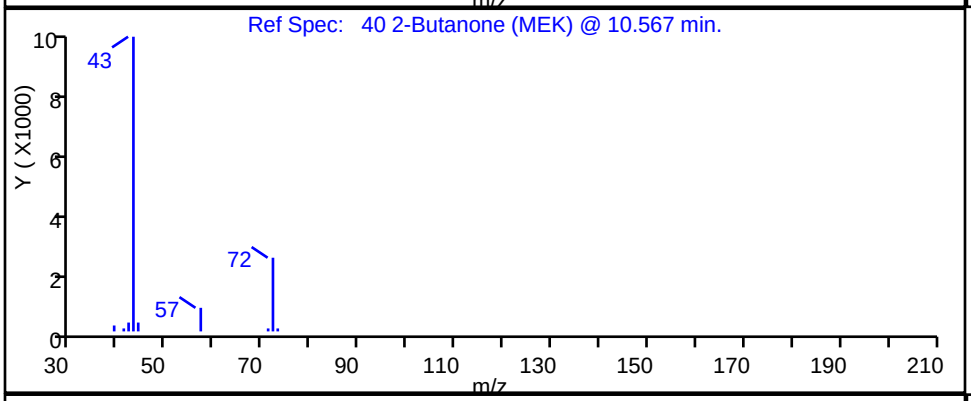
40 2-Butanone (MEK), CAS: 78-93-3

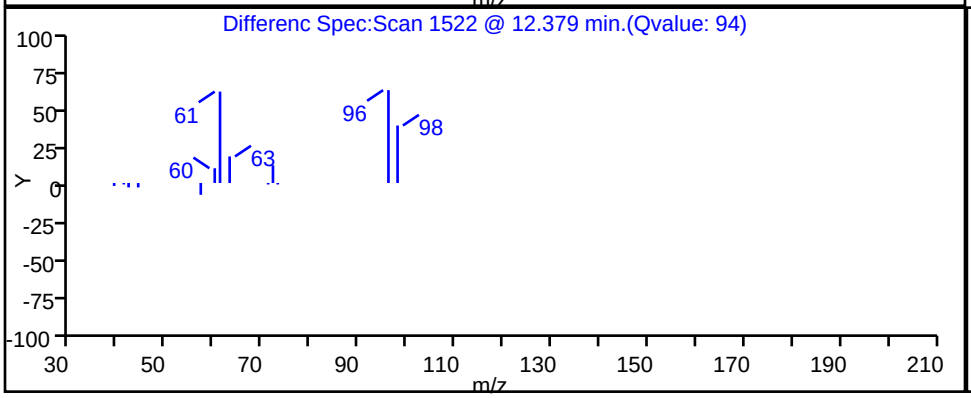


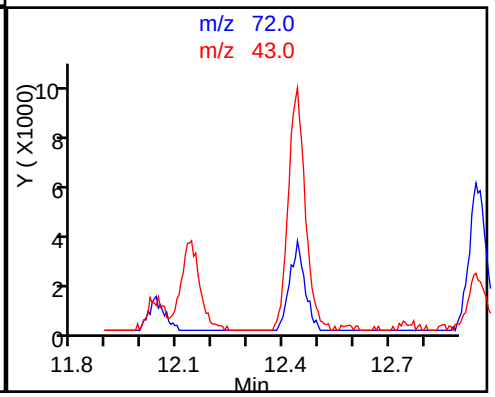












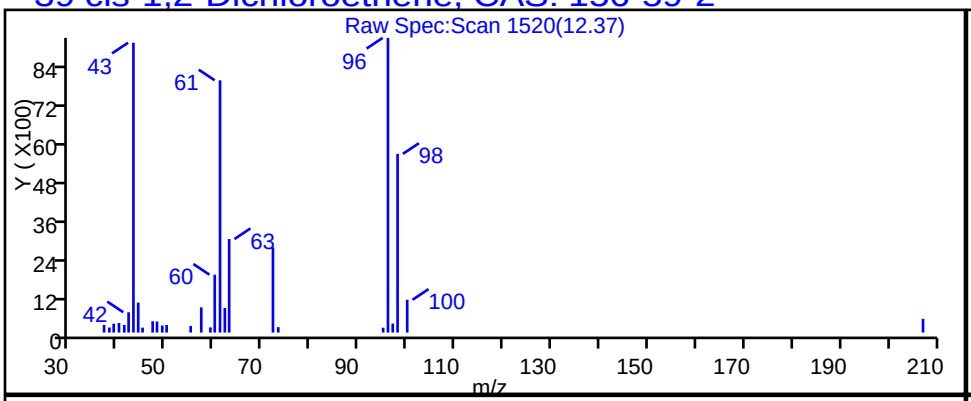
Report Date: 18-Jul-2014 10:16:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

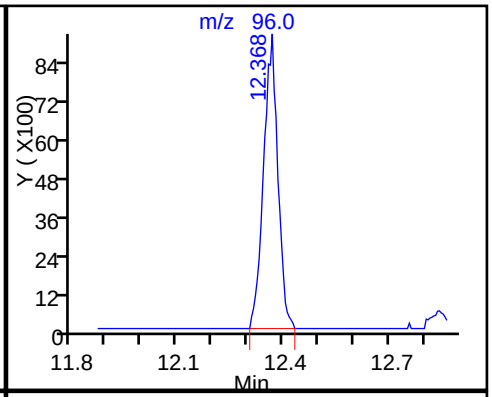
TestAmerica Burlington

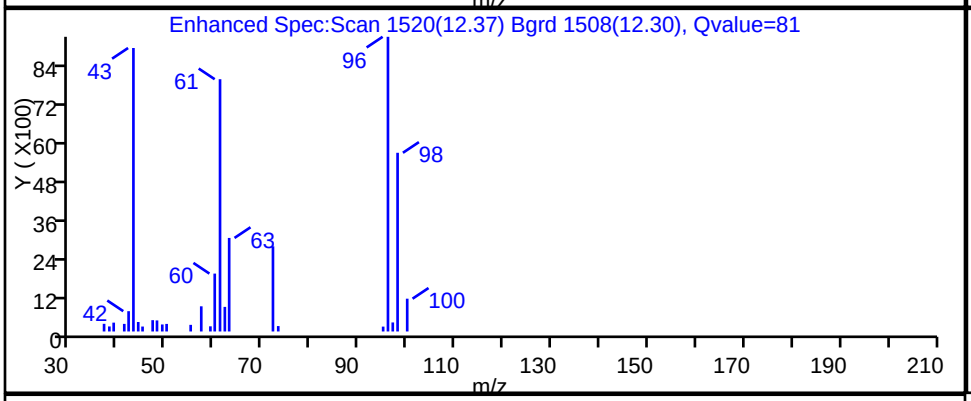
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

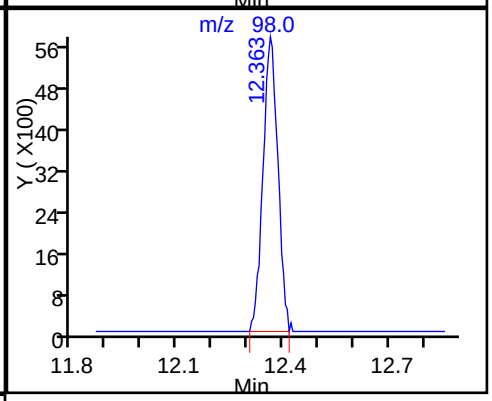
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

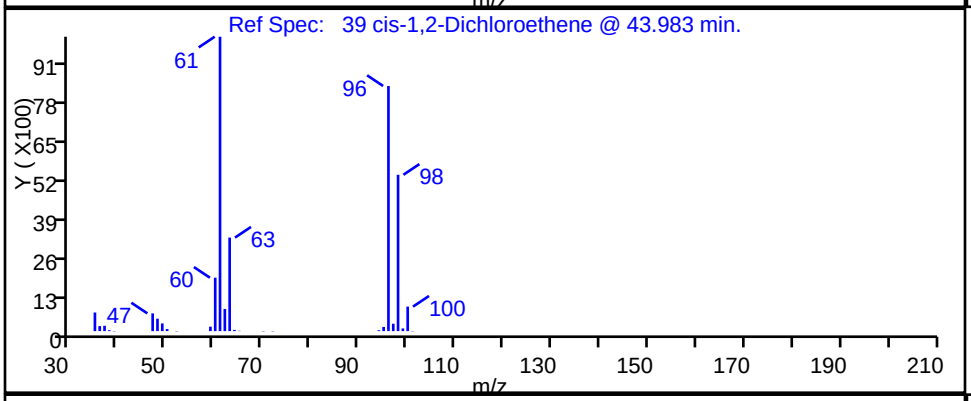
39 cis-1,2-Dichloroethene, CAS: 156-59-2

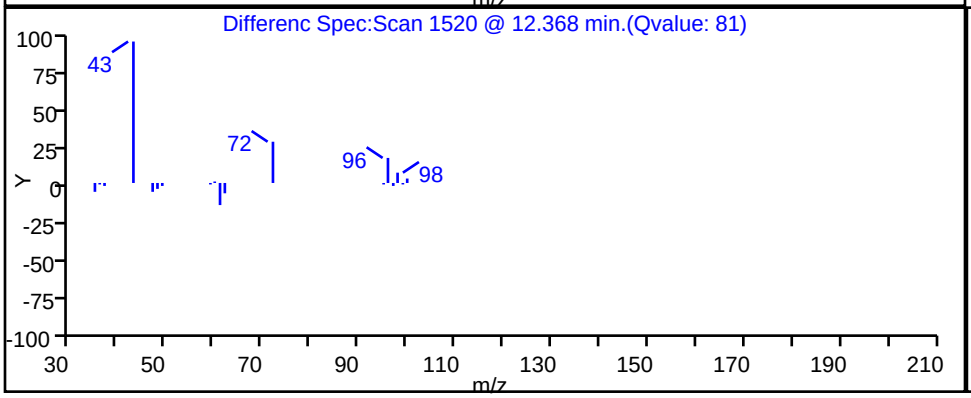


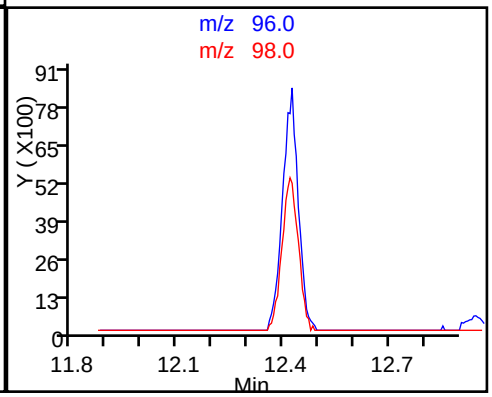












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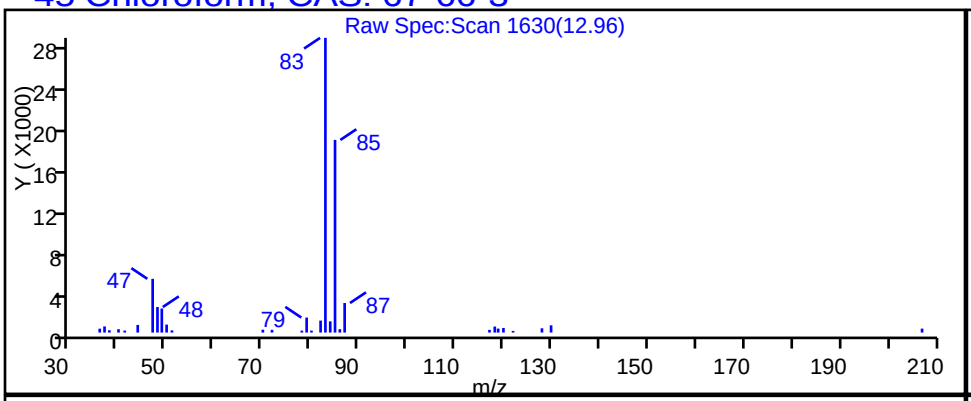
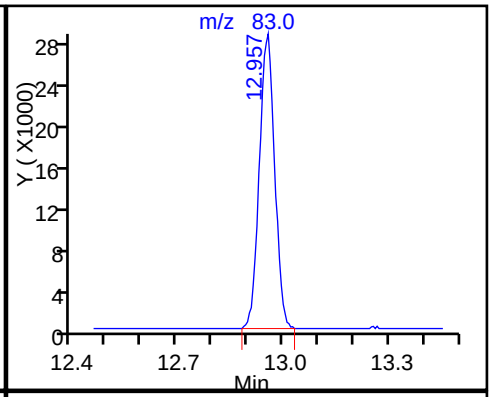
TestAmerica Burlington

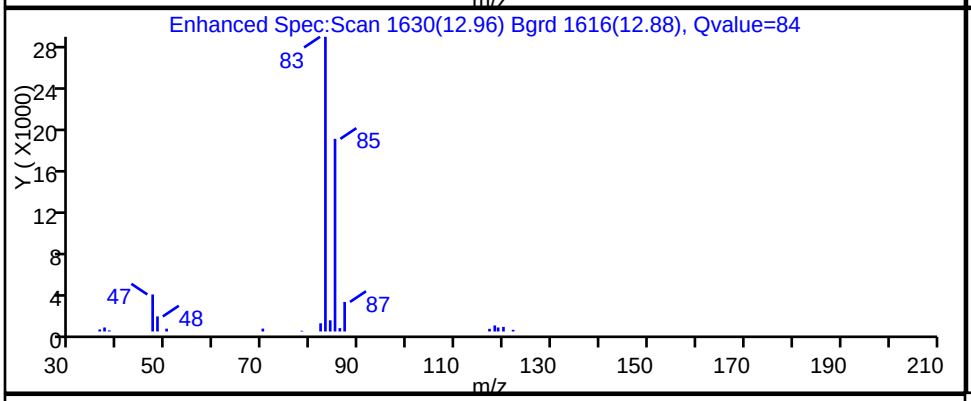
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

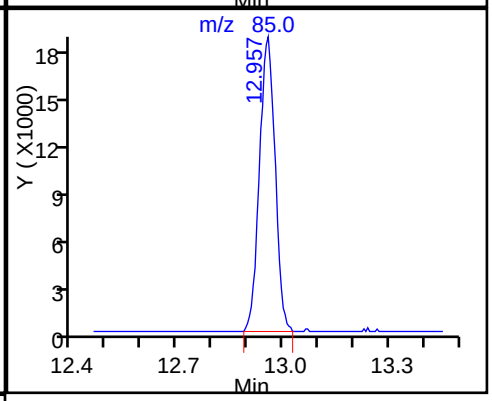
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

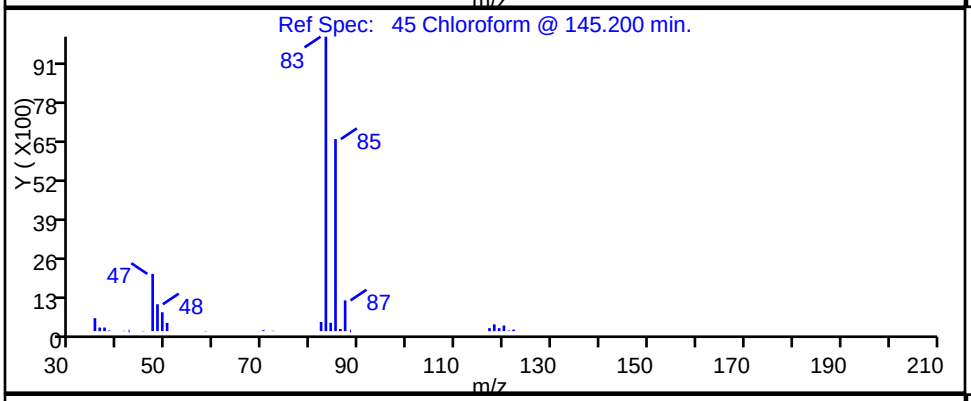
45 Chloroform, CAS: 67-66-3

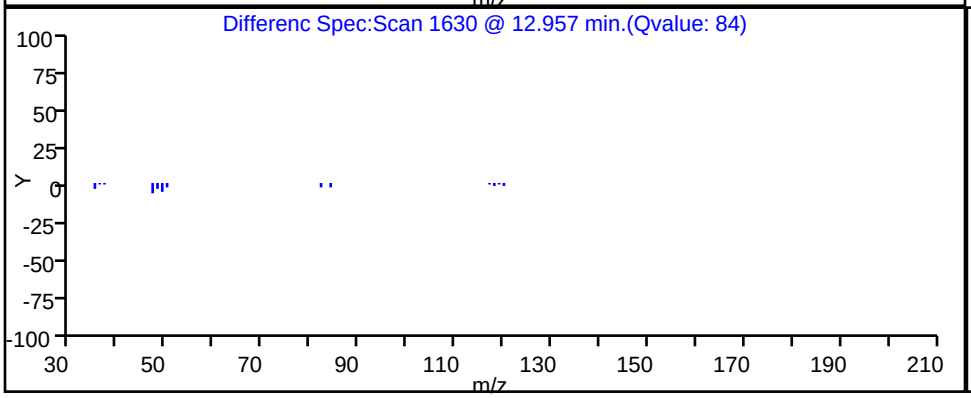


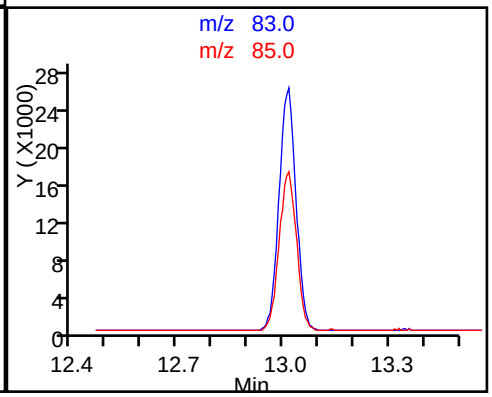












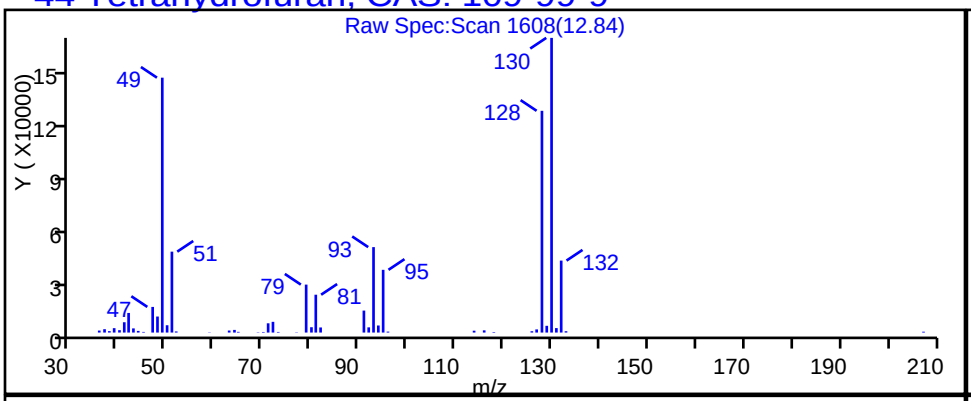
Report Date: 18-Jul-2014 10:16:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

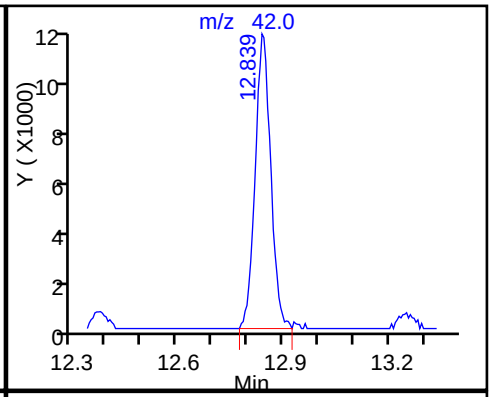
TestAmerica Burlington

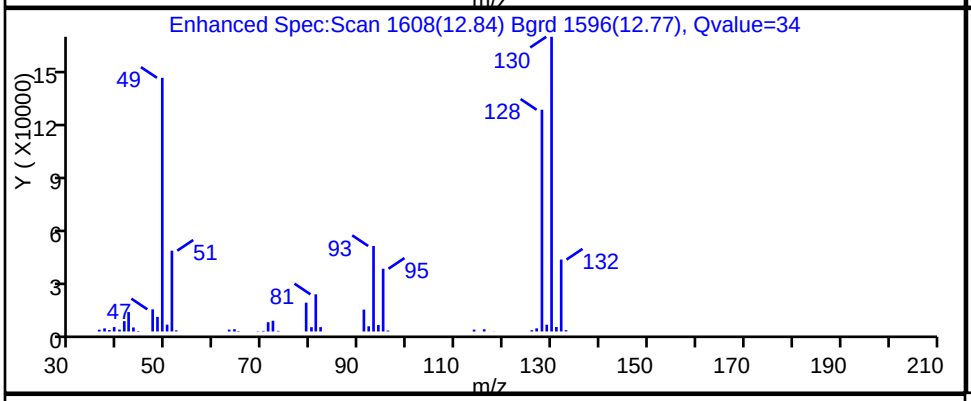
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

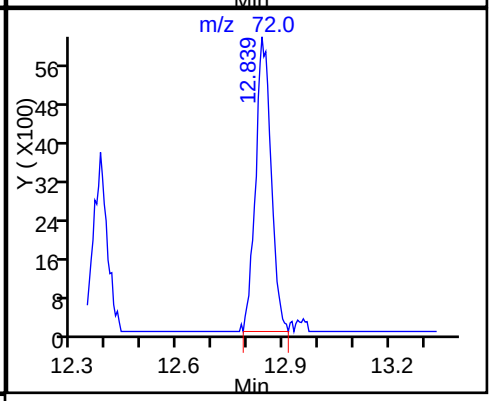
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

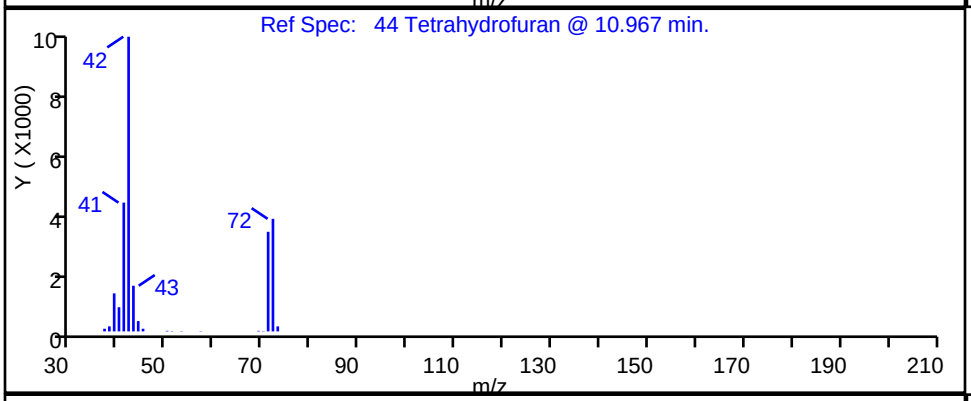
44 Tetrahydrofuran, CAS: 109-99-9

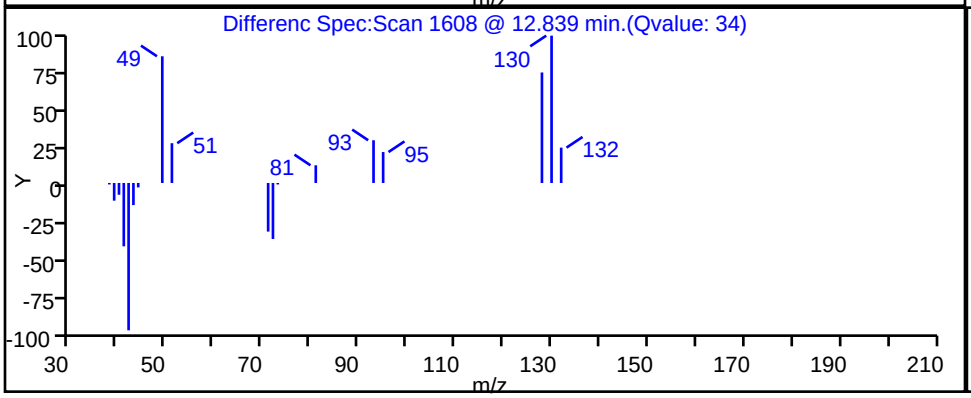


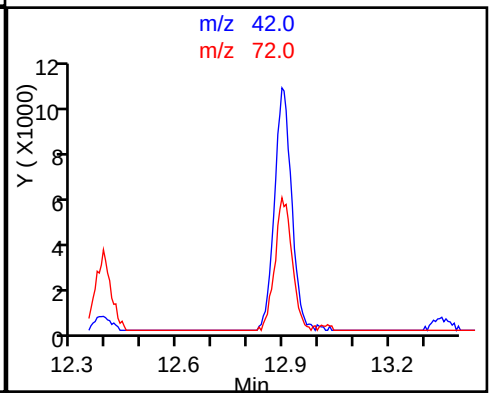












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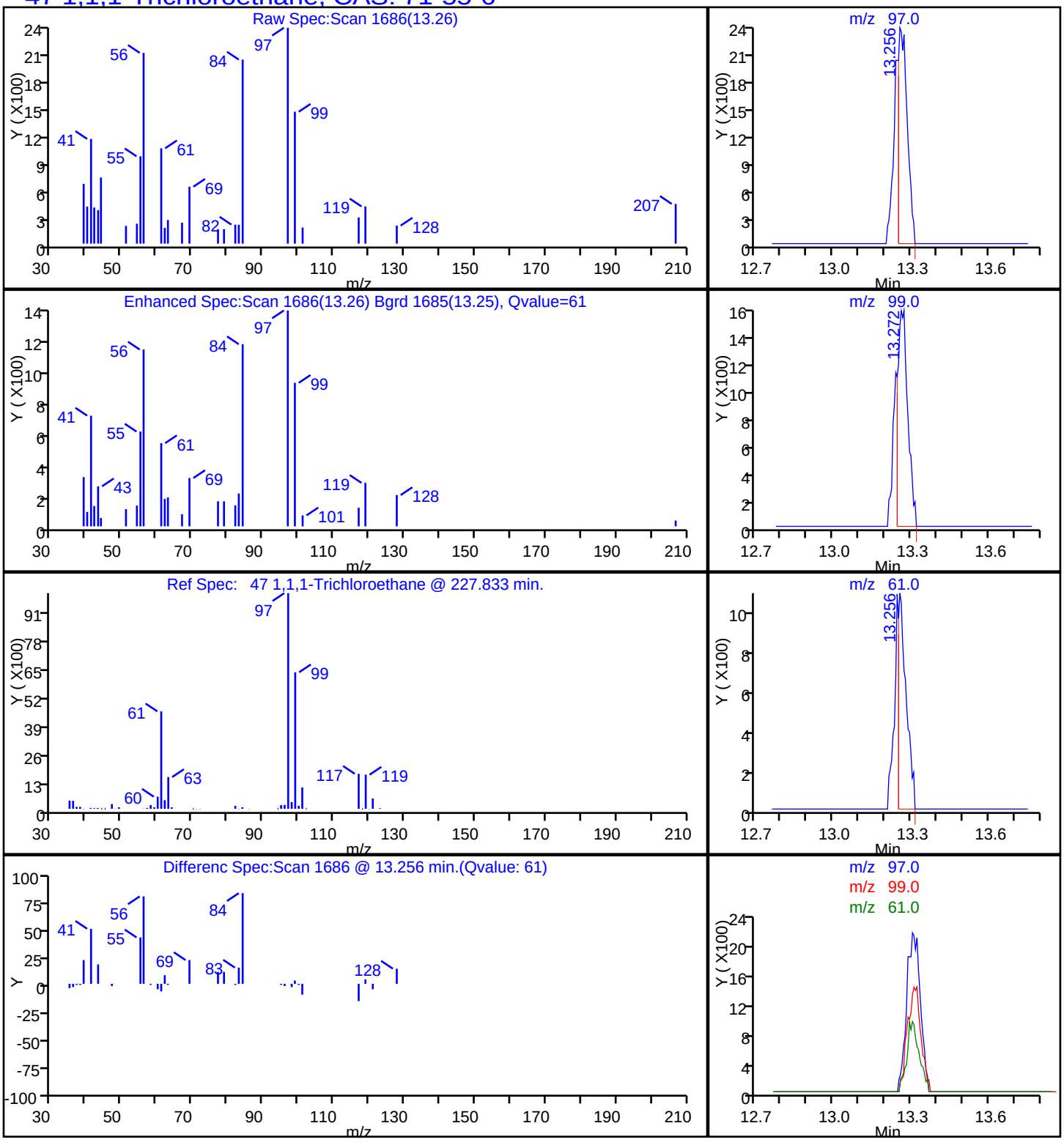
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d				
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



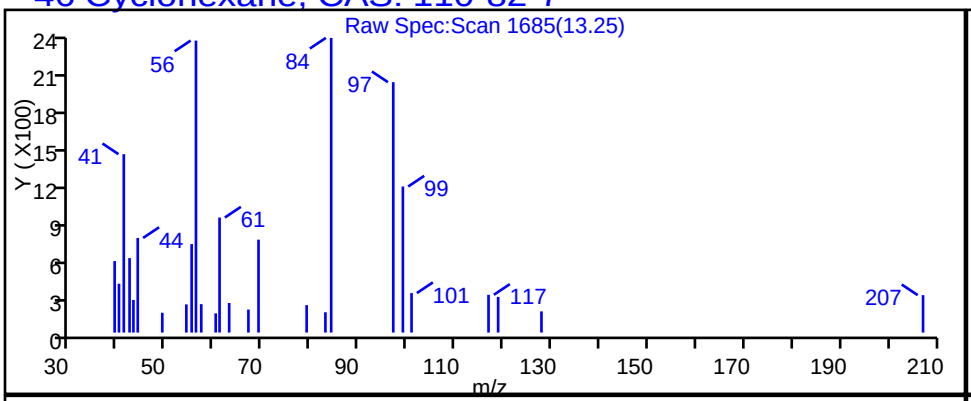
Report Date: 18-Jul-2014 10:16:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

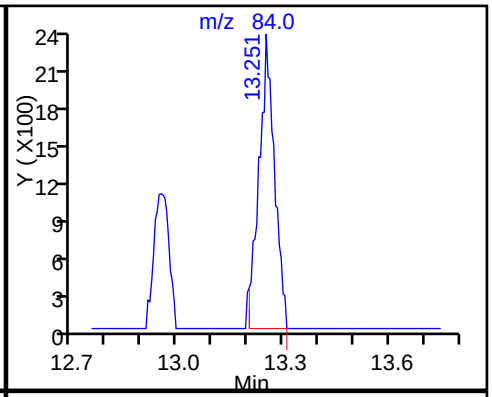
TestAmerica Burlington

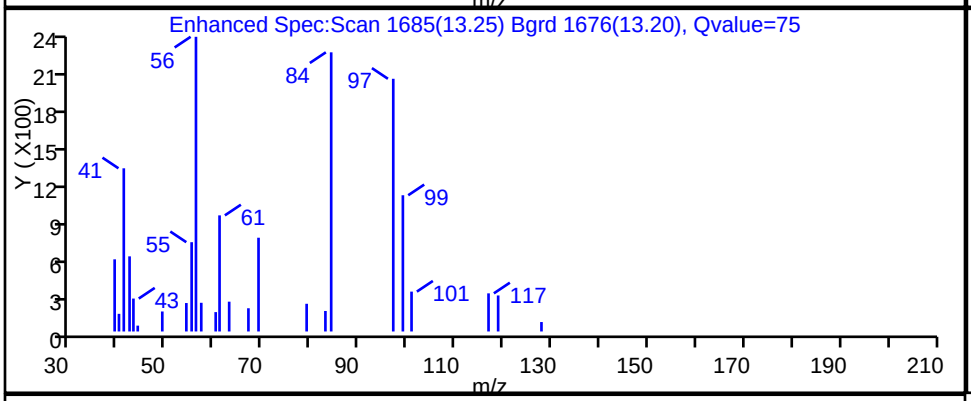
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

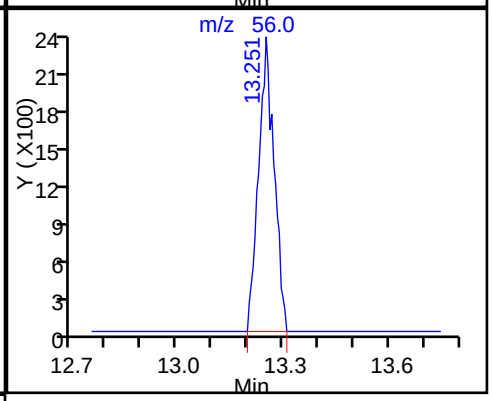
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

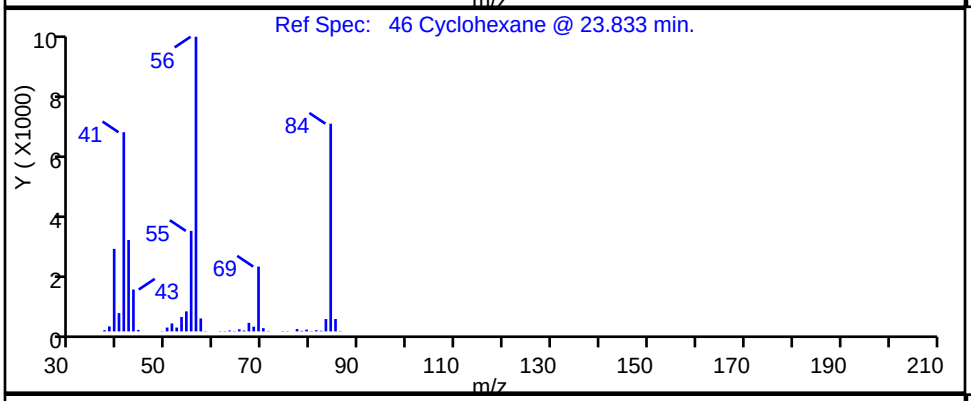
46 Cyclohexane, CAS: 110-82-7

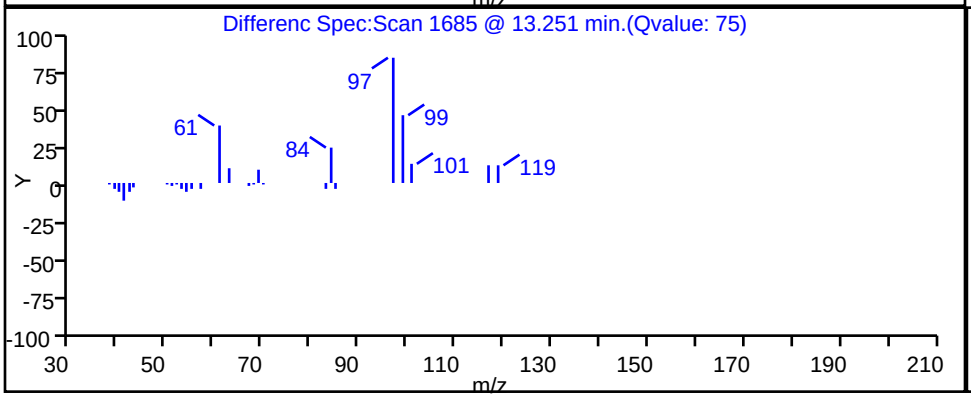


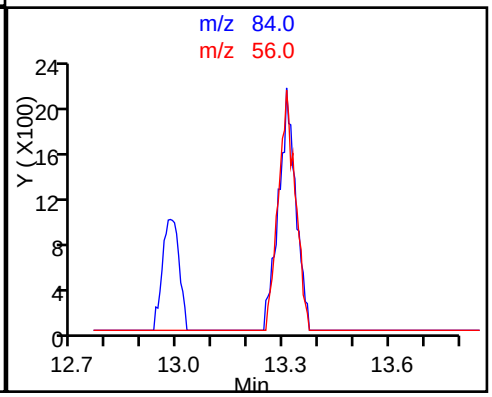












Report Date: 18-Jul-2014 10:16:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
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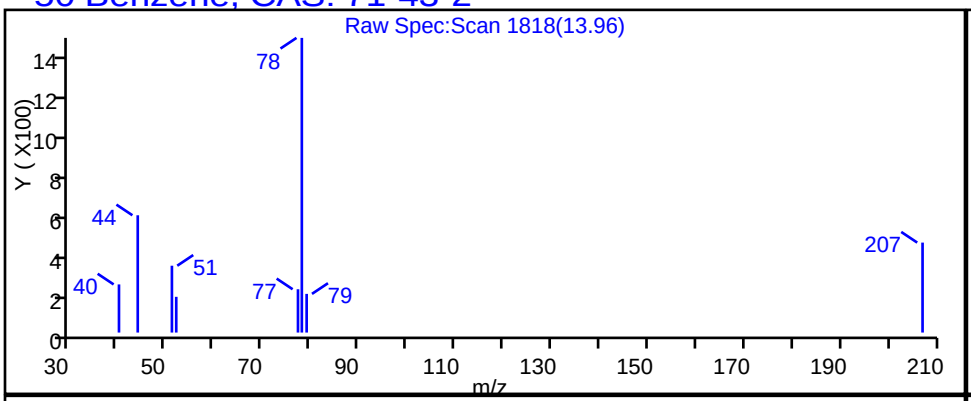
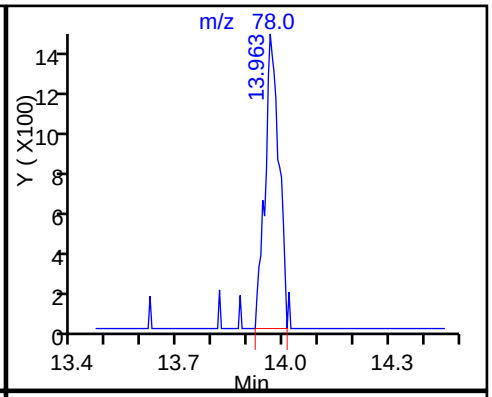
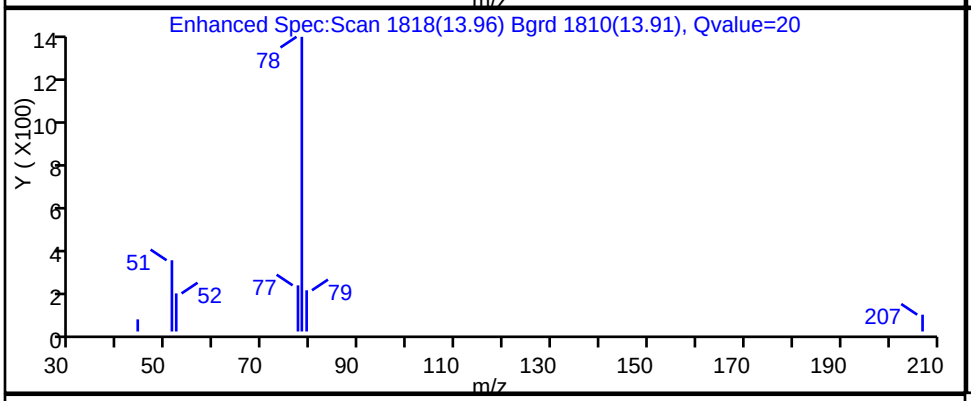
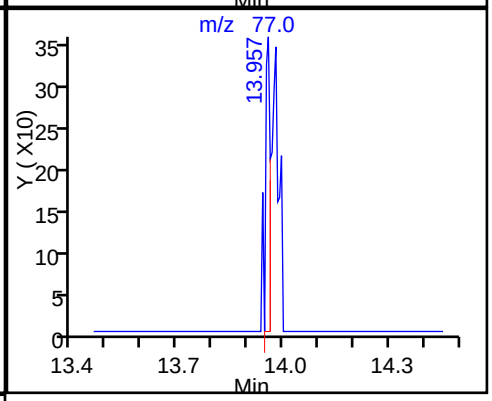
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

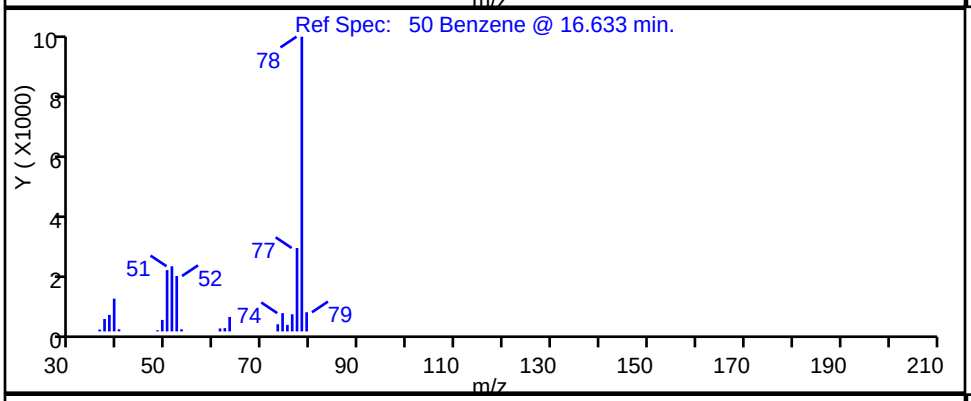
50 Benzene, CAS: 71-43-2

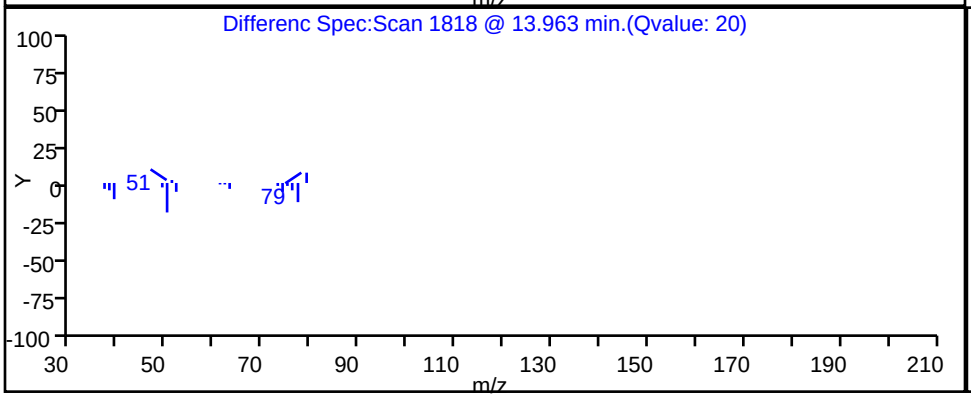


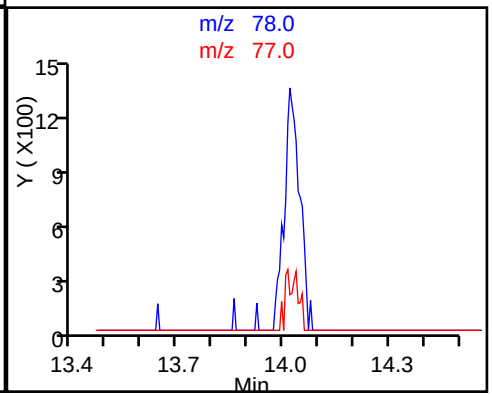












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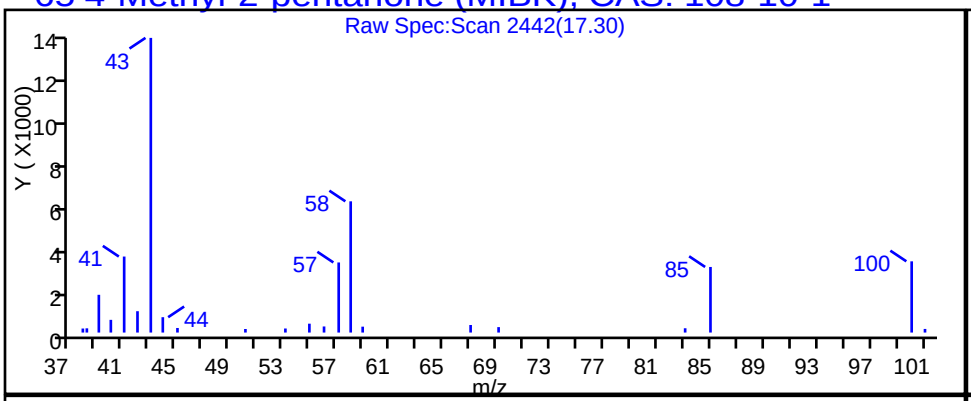
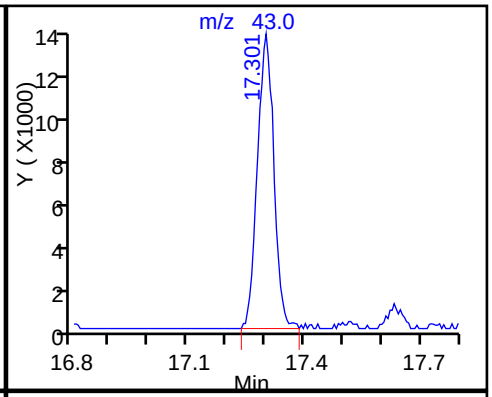
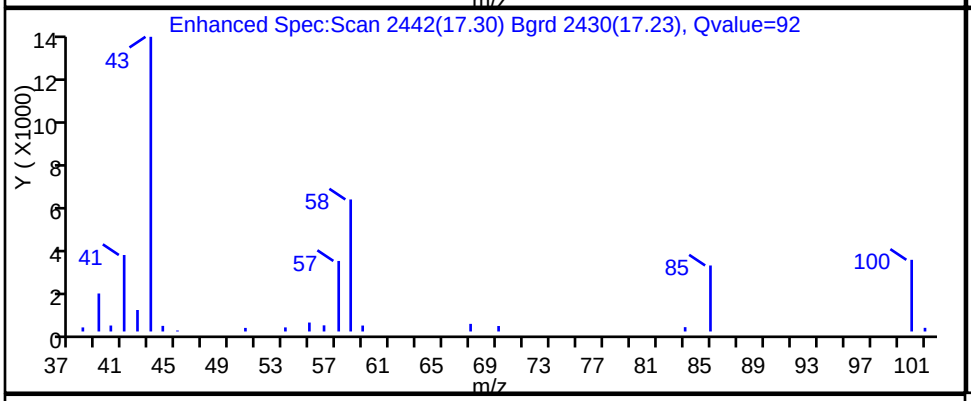
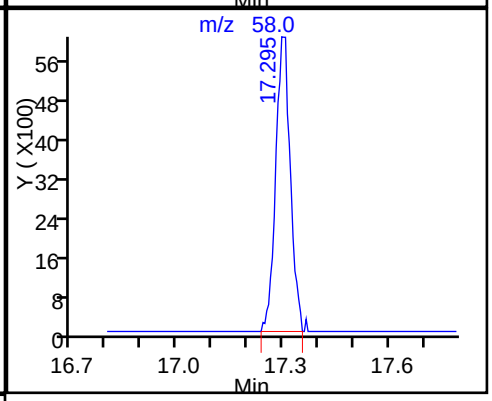
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

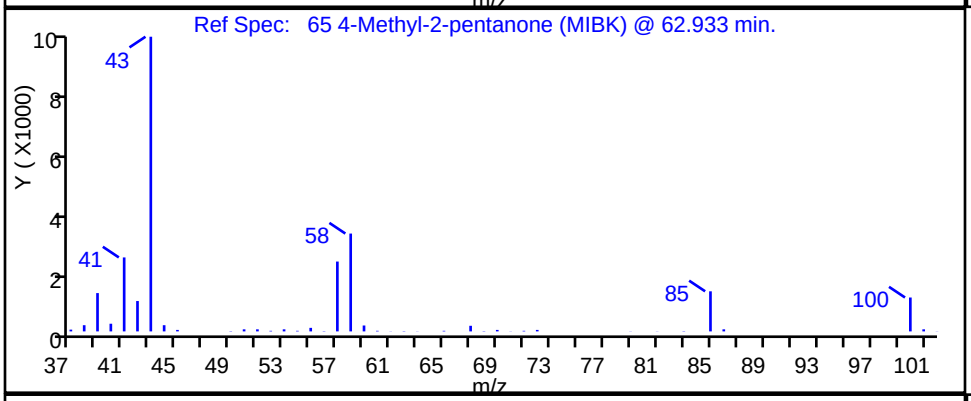
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

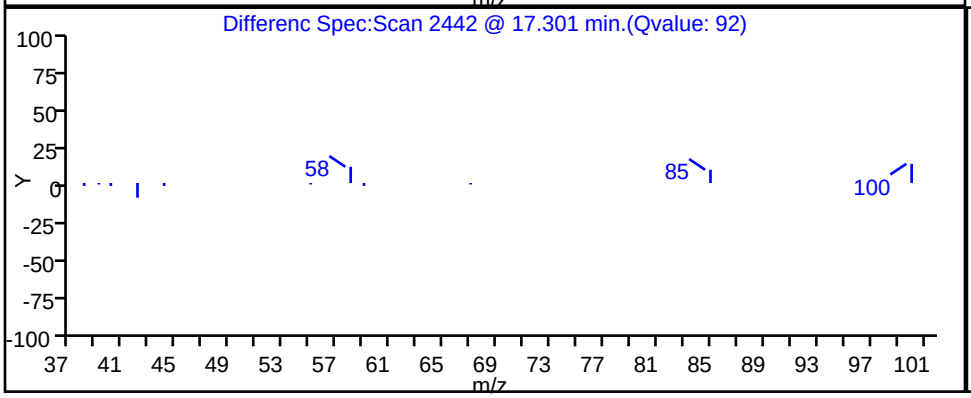


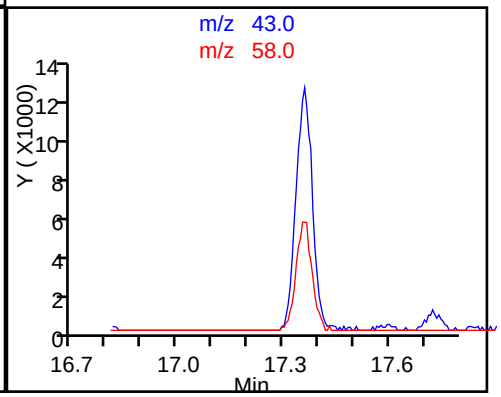












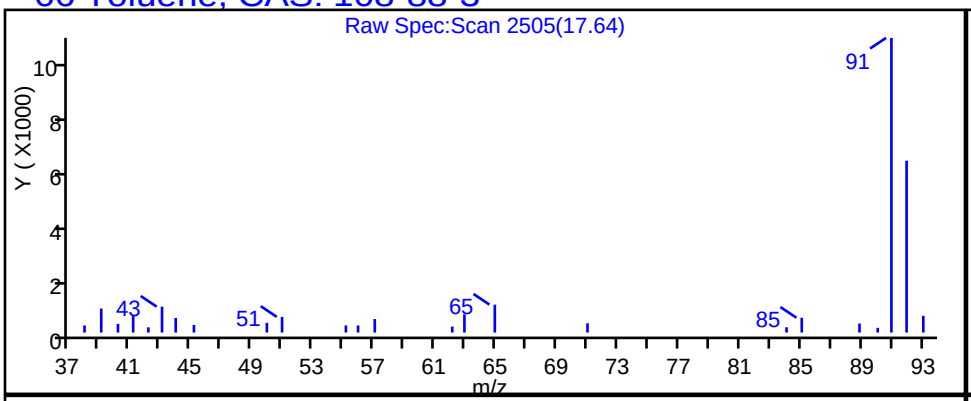
Report Date: 18-Jul-2014 10:16:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

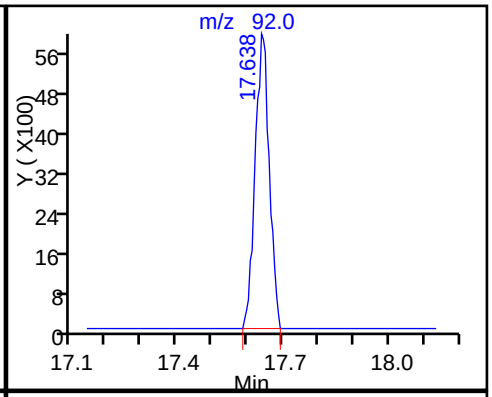
TestAmerica Burlington

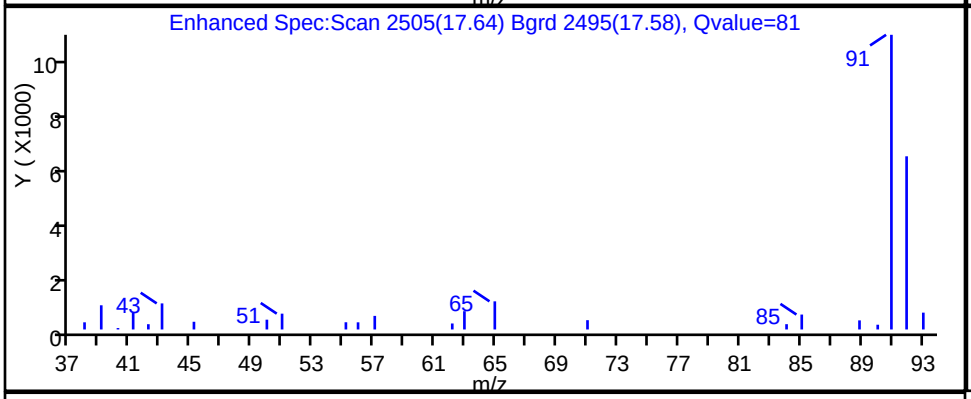
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

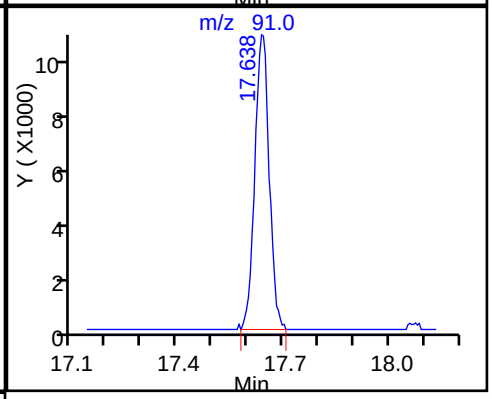
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

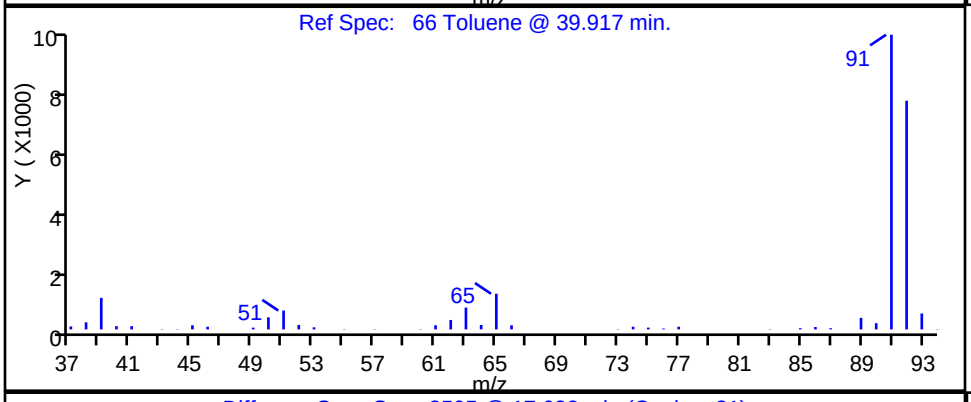
66 Toluene, CAS: 108-88-3

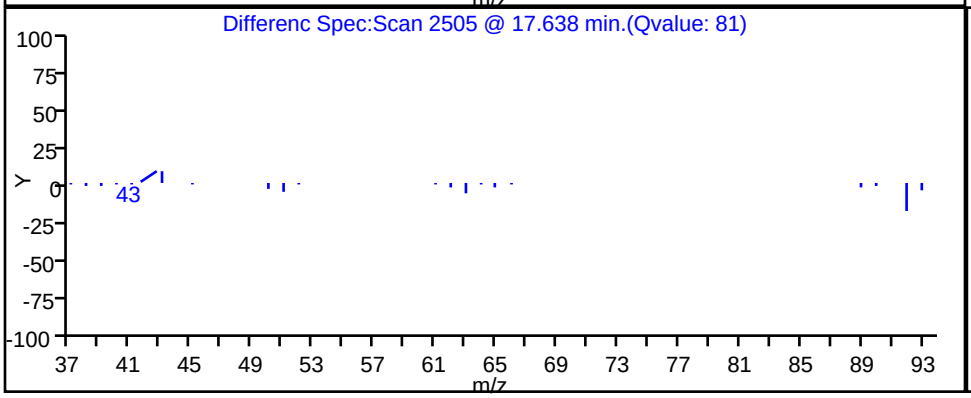


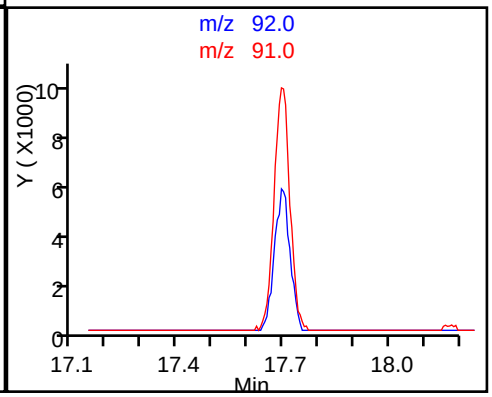












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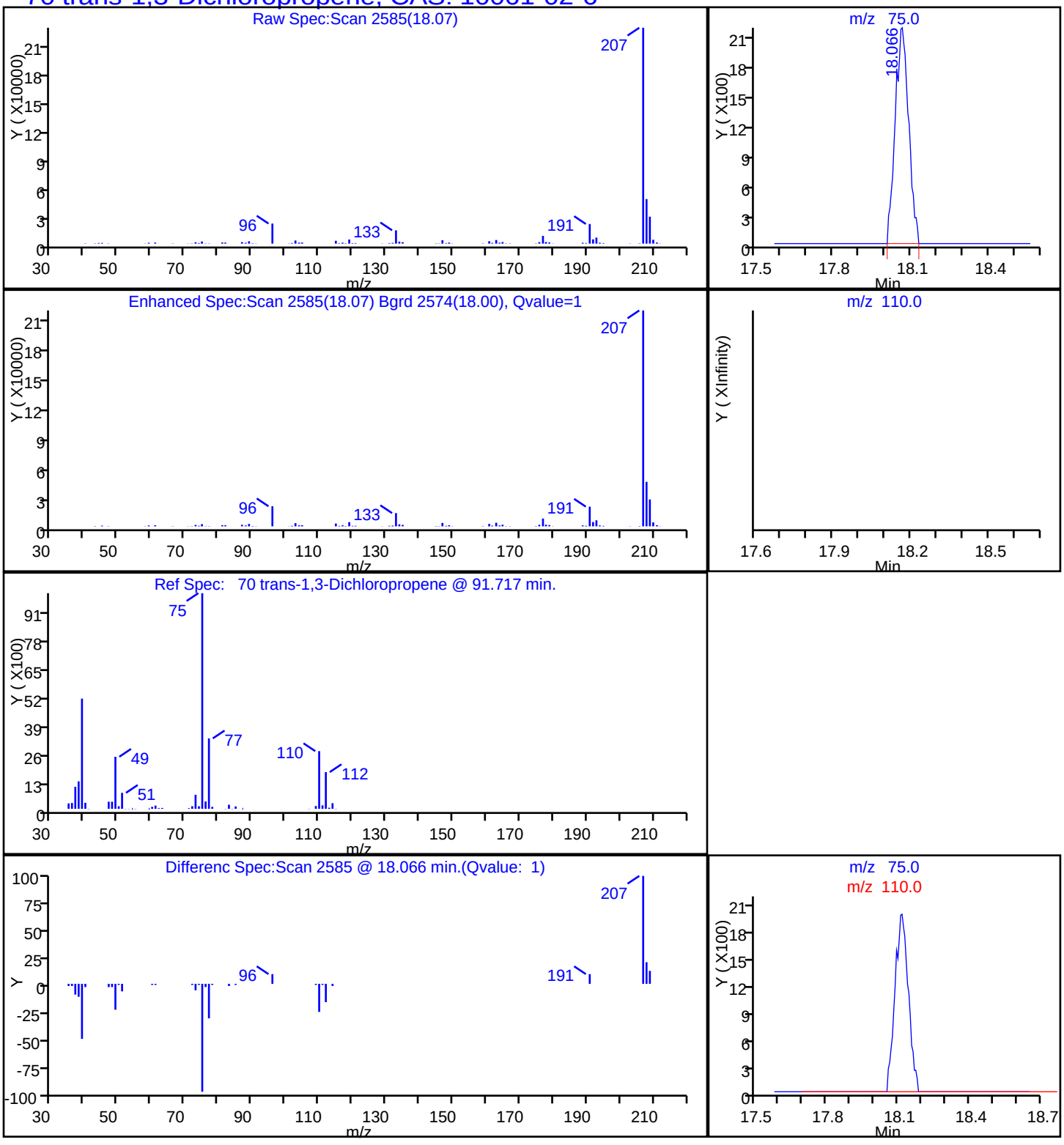
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

70 trans-1,3-Dichloropropene, CAS: 10061-02-6



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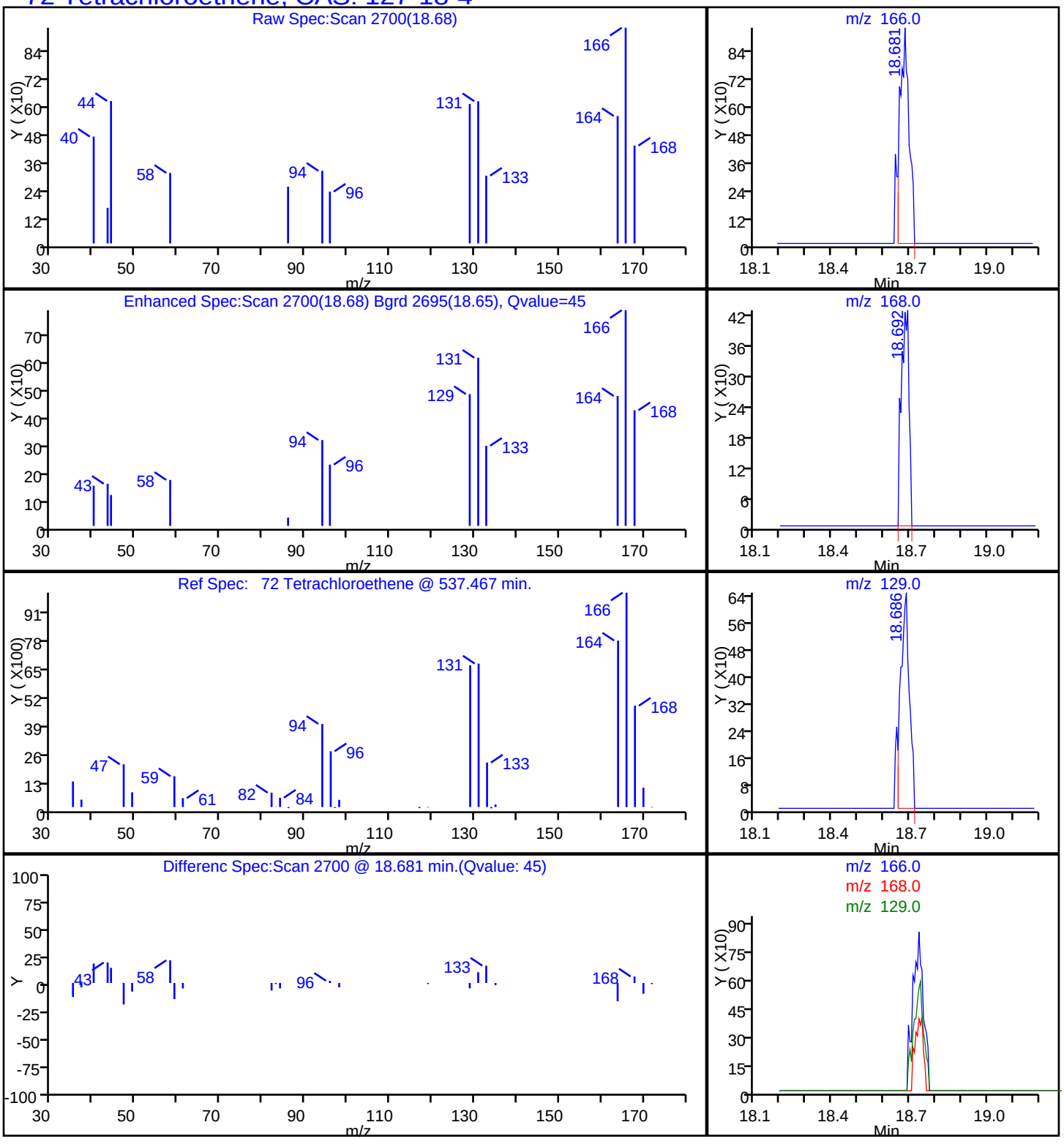
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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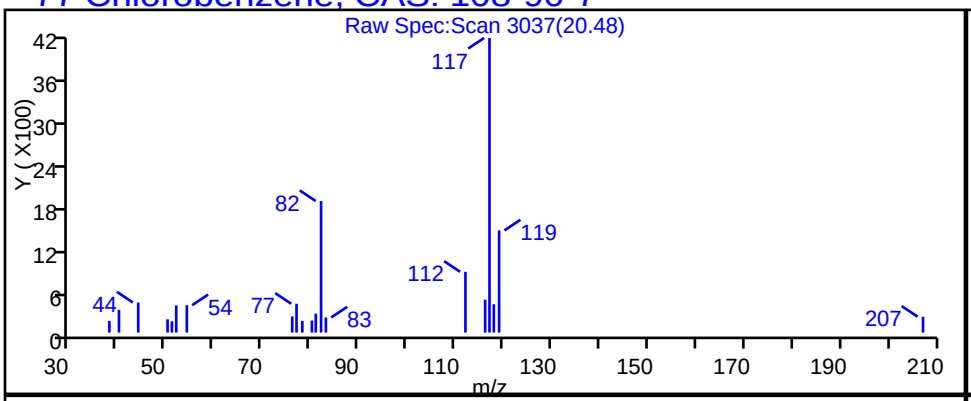
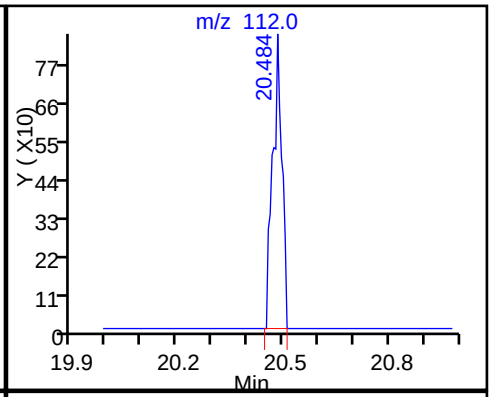
TestAmerica Burlington

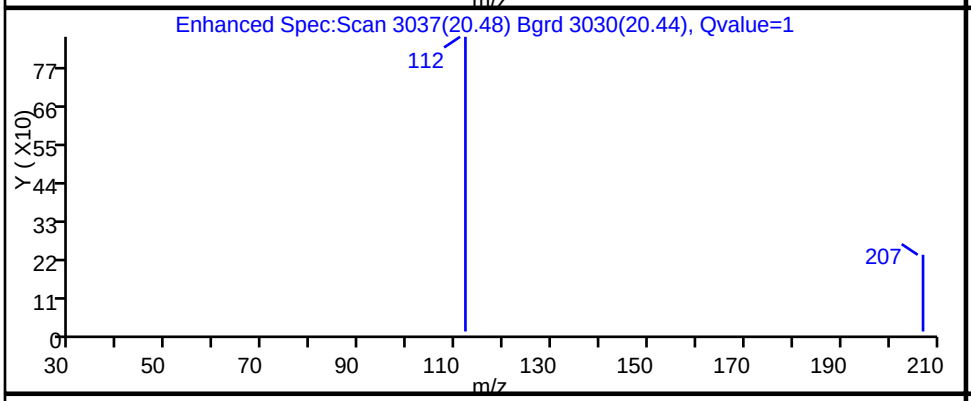
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

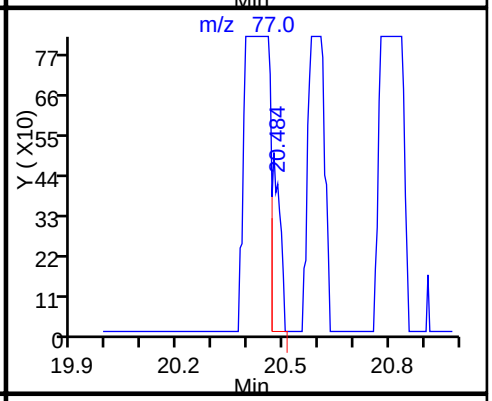
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

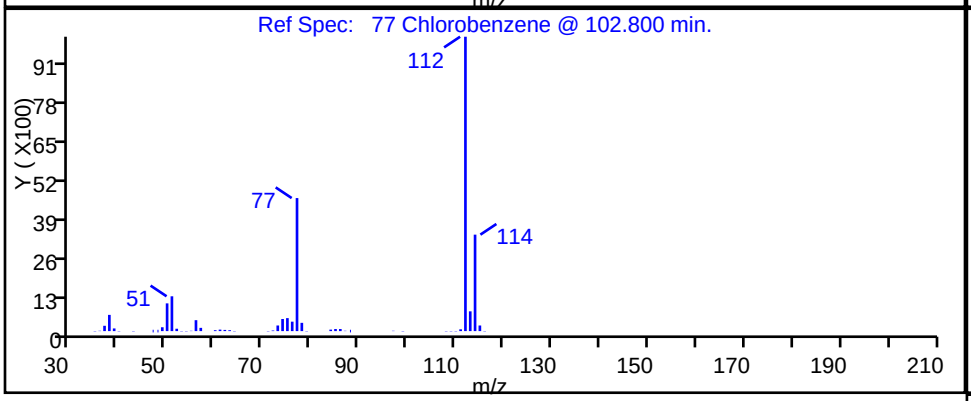
77 Chlorobenzene, CAS: 108-90-7

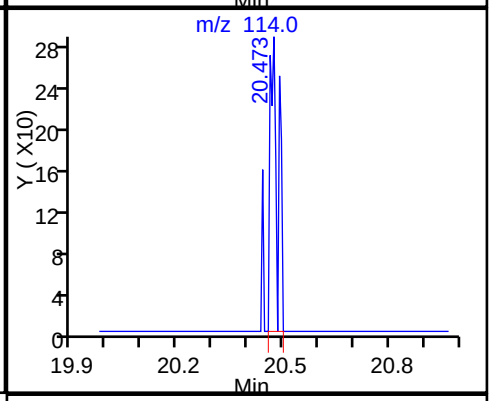


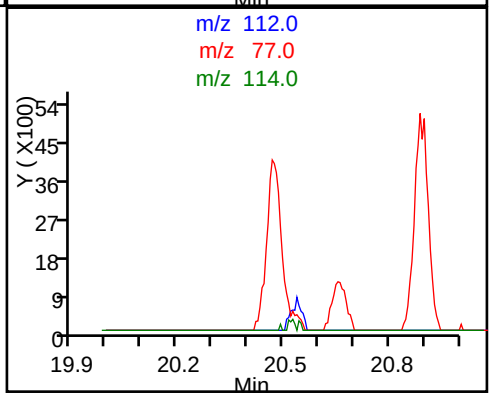












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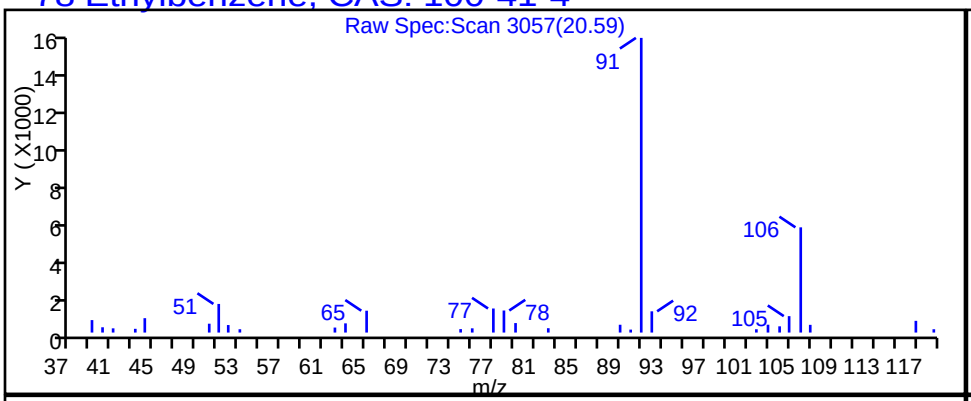
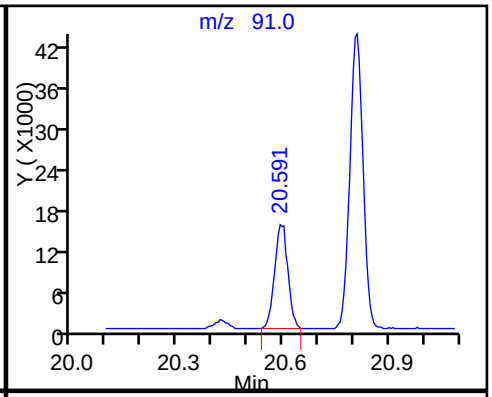
TestAmerica Burlington

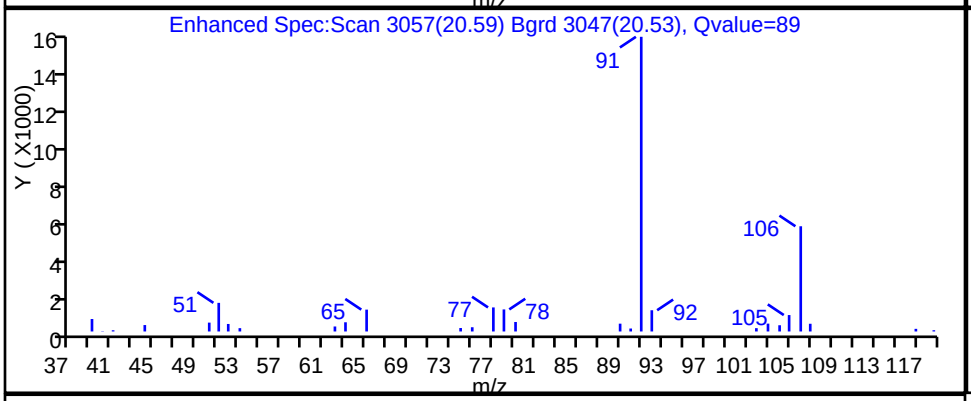
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

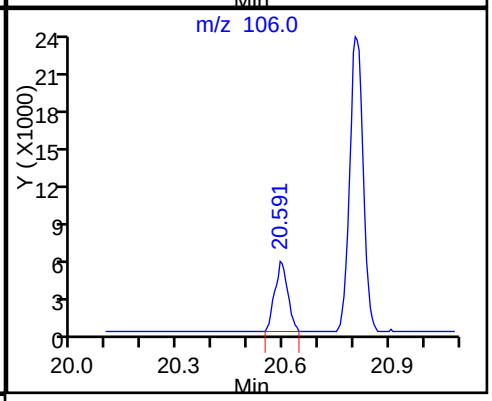
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

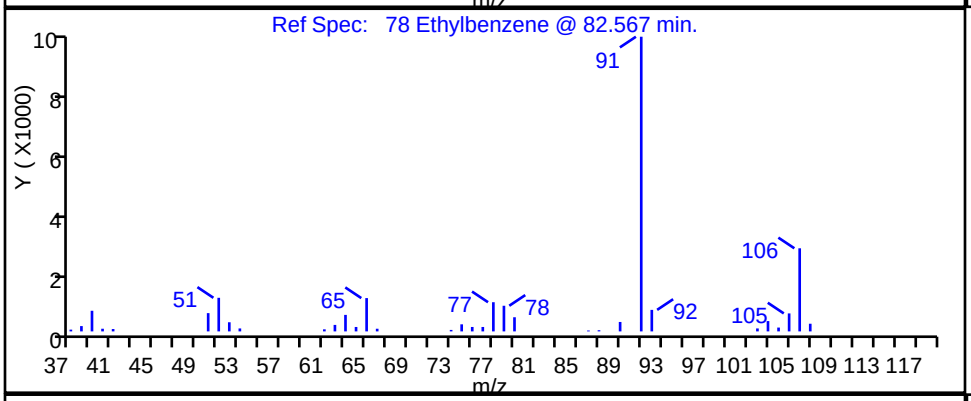
78 Ethylbenzene, CAS: 100-41-4

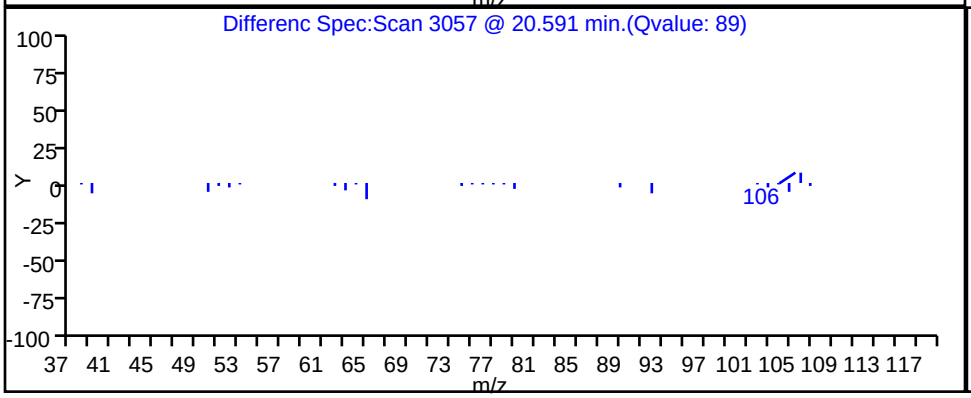


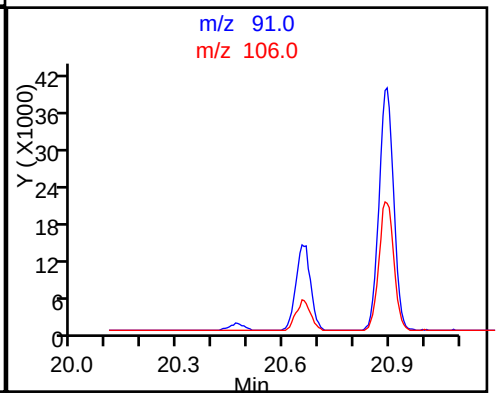












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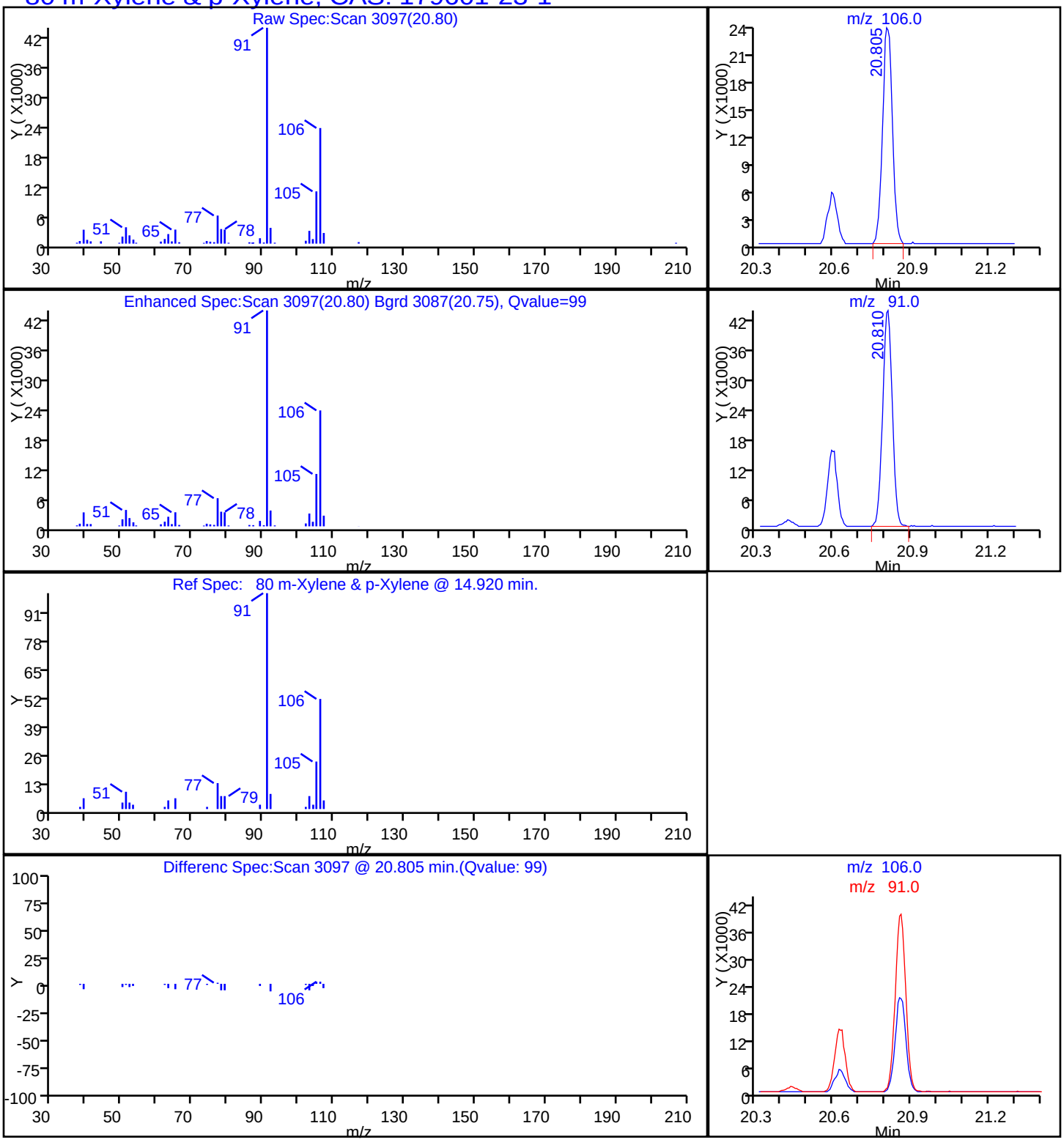
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d				
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



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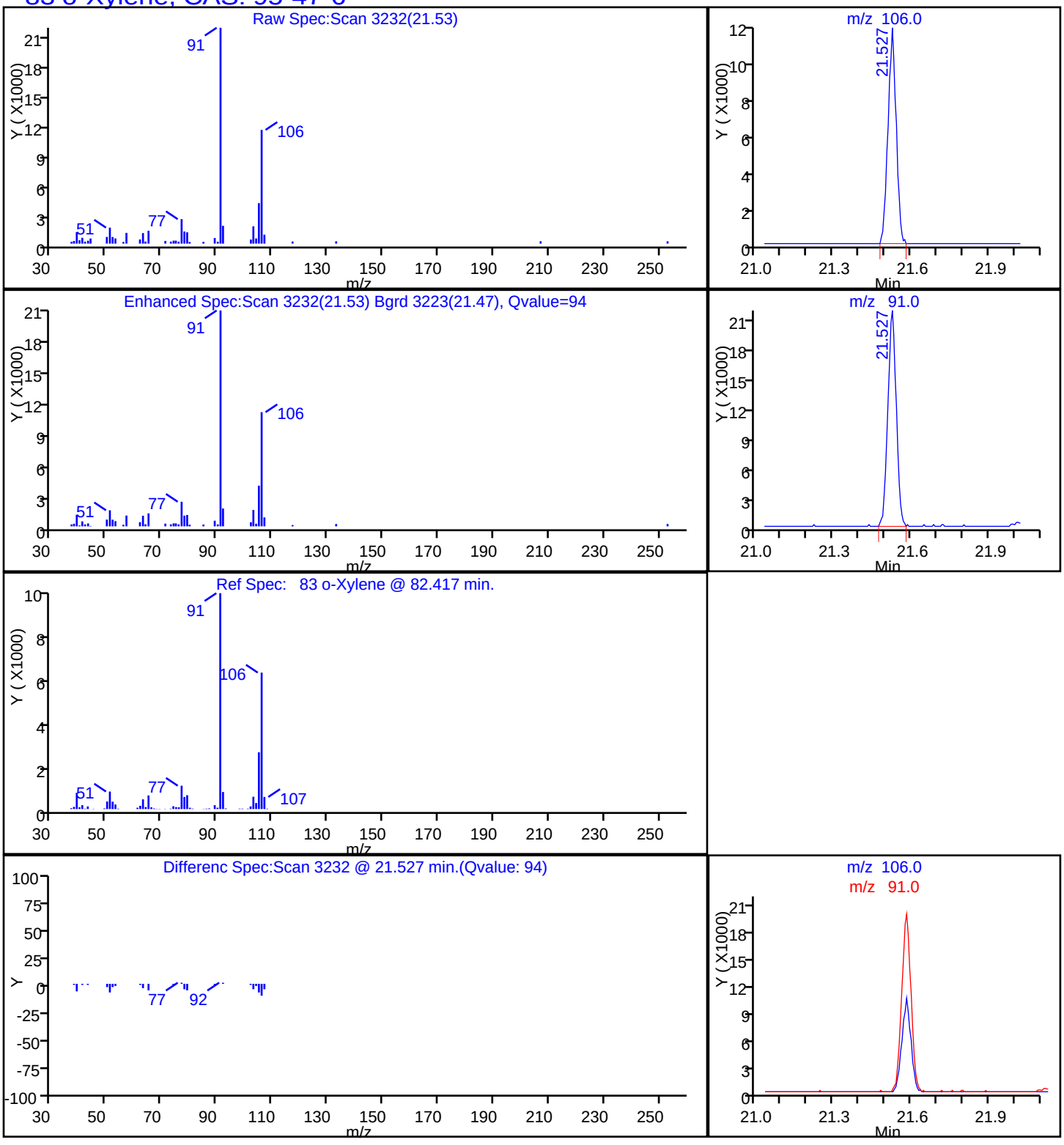
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



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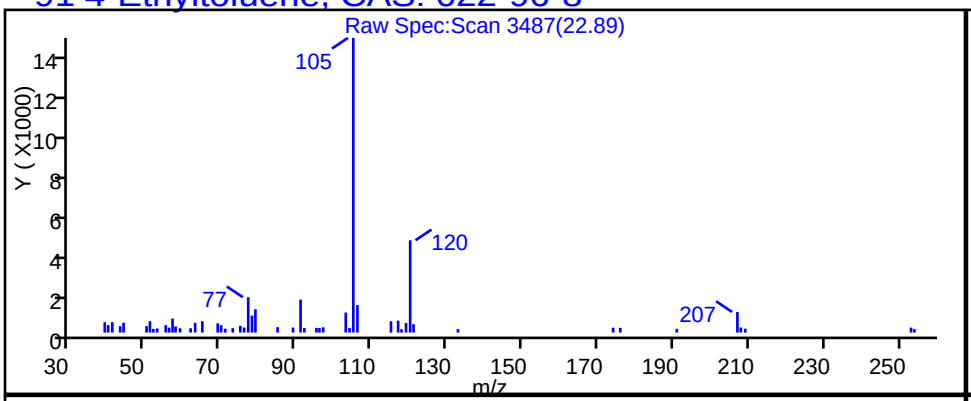
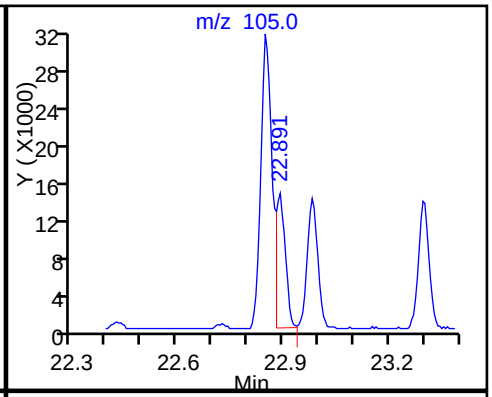
TestAmerica Burlington

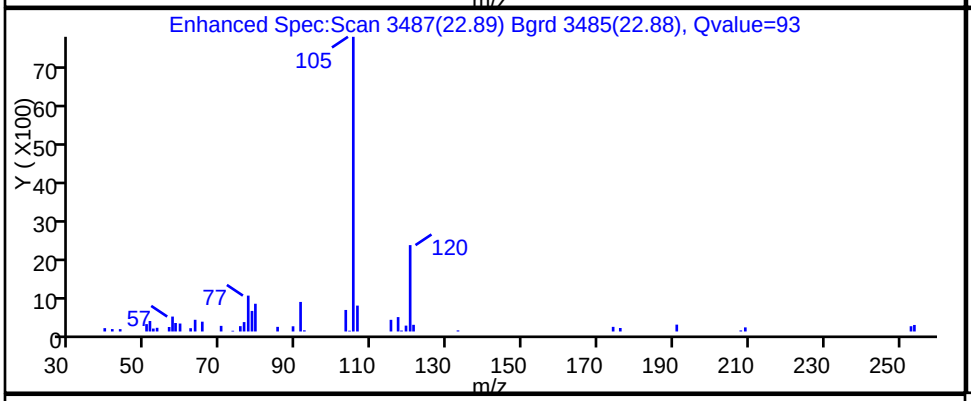
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

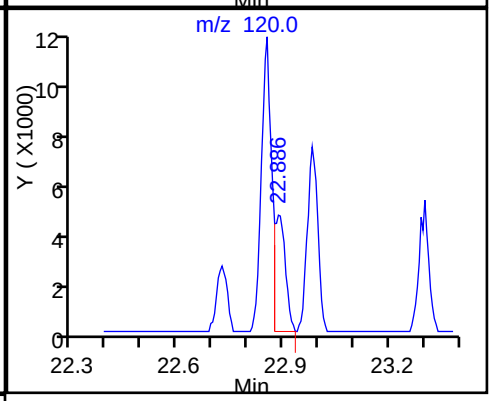
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

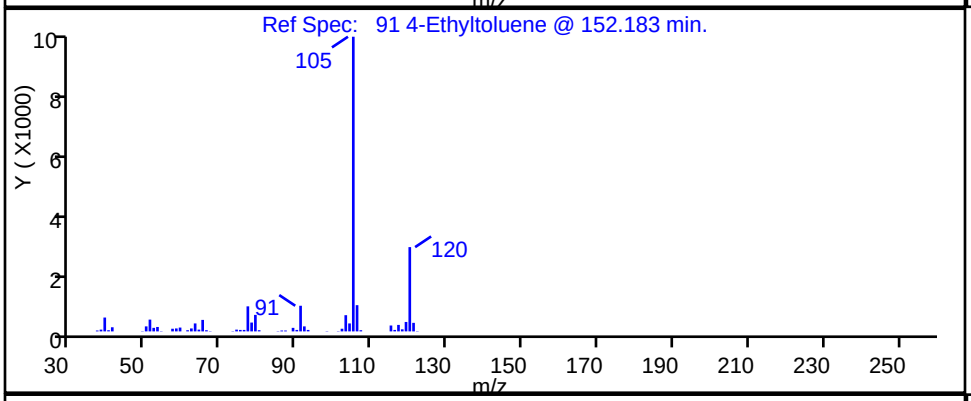
91 4-Ethyltoluene, CAS: 622-96-8

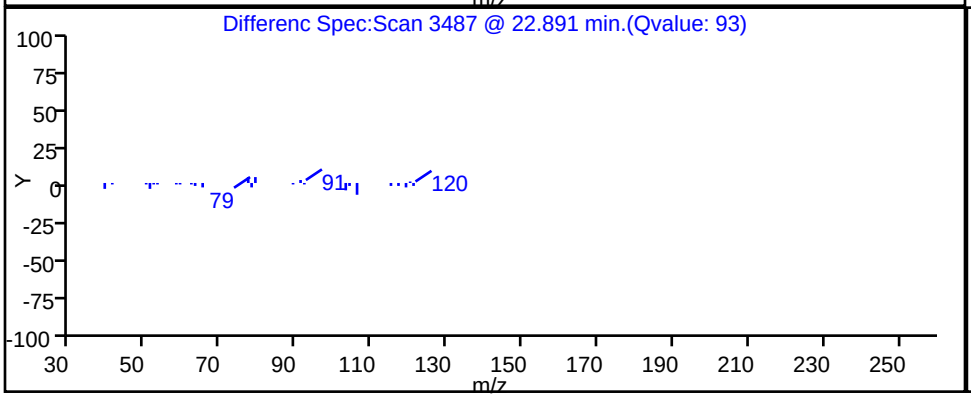


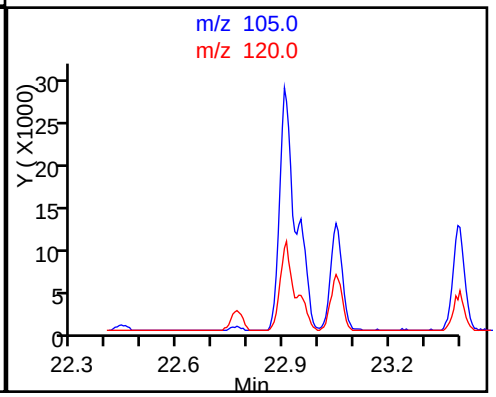












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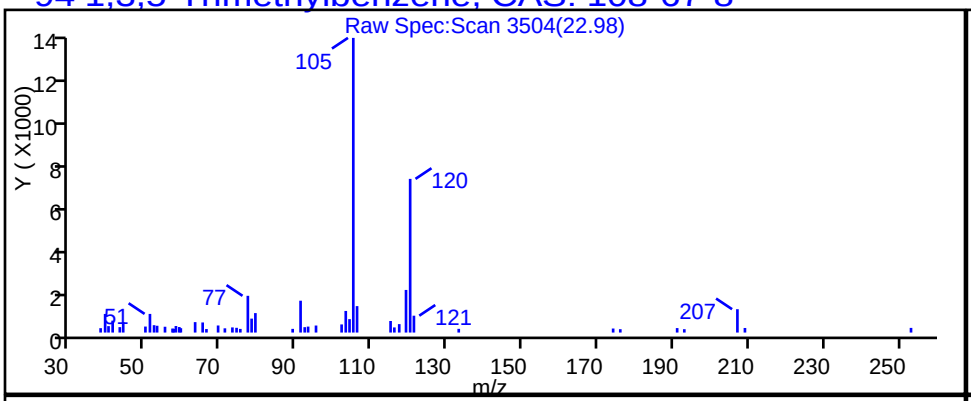
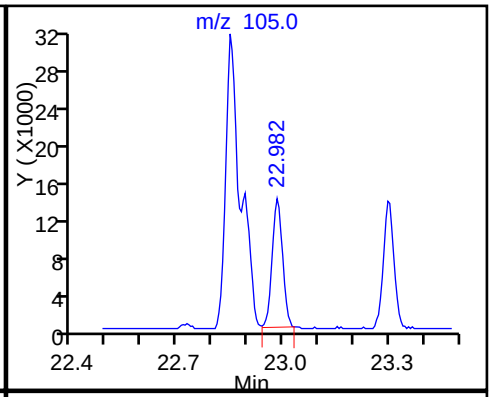
TestAmerica Burlington

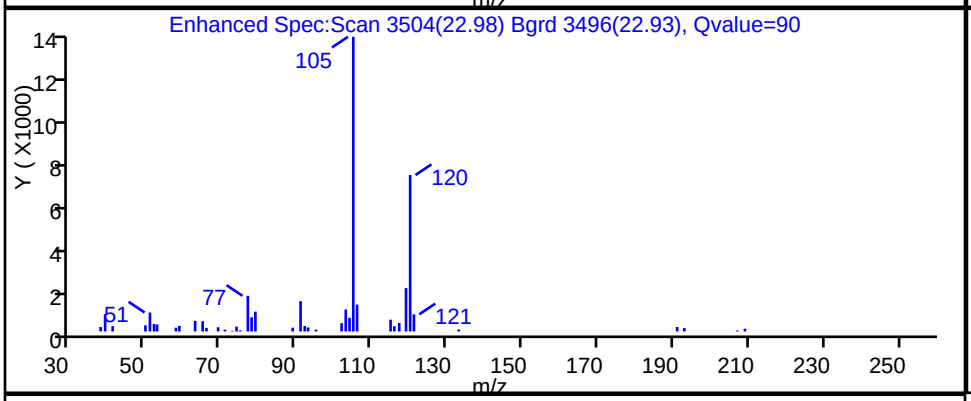
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

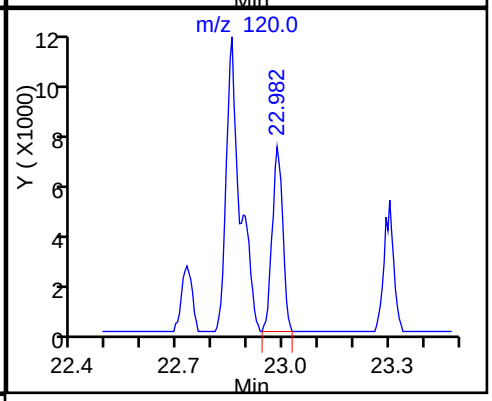
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

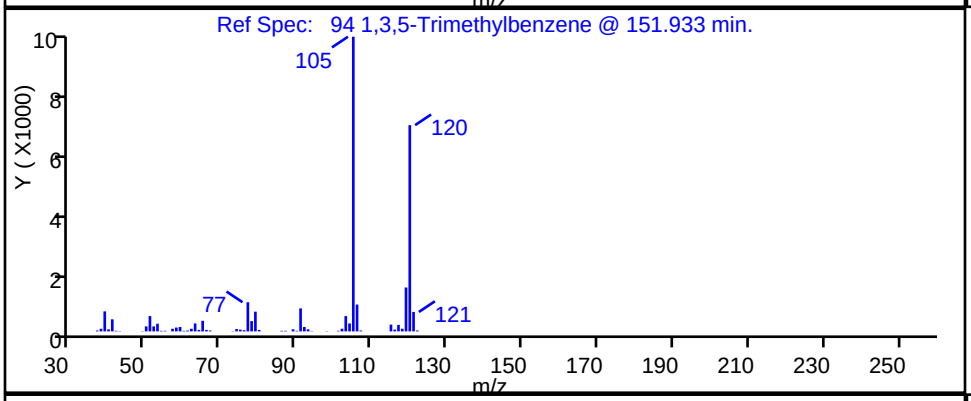
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

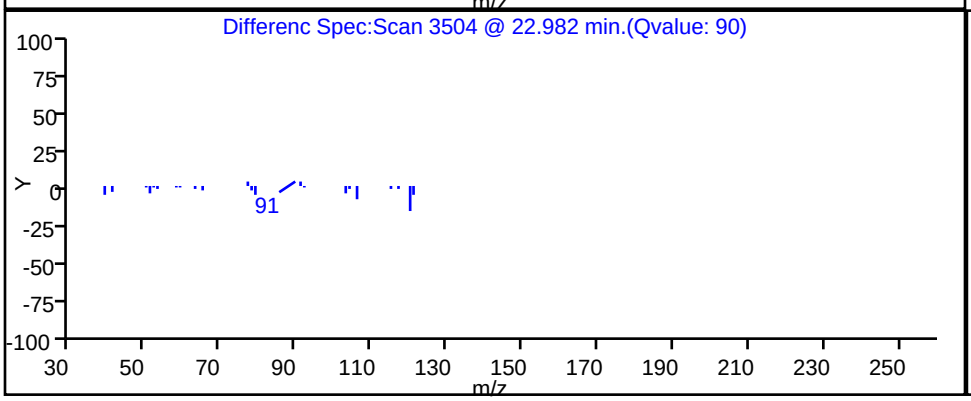


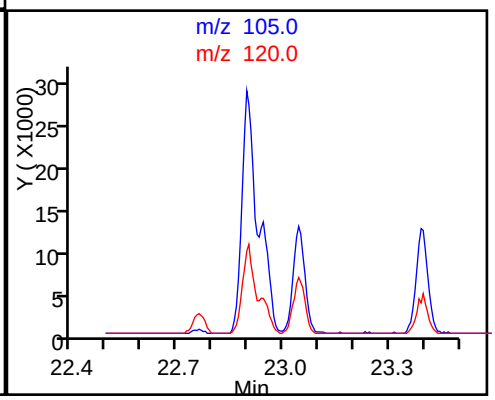












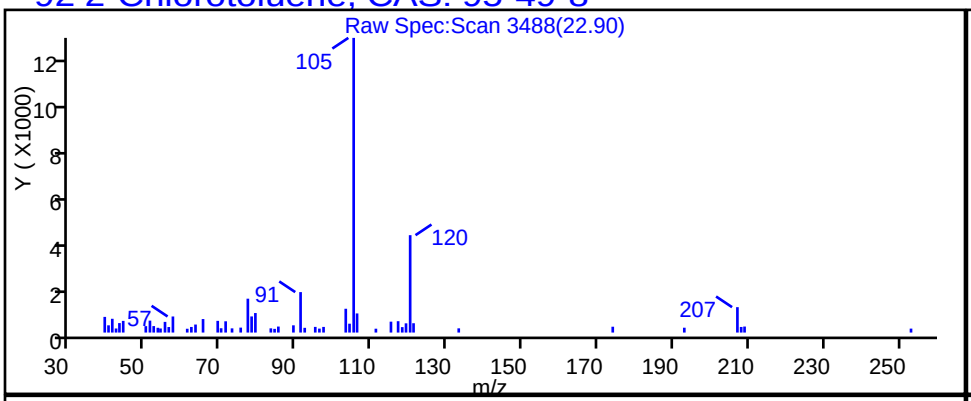
Report Date: 18-Jul-2014 10:16:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

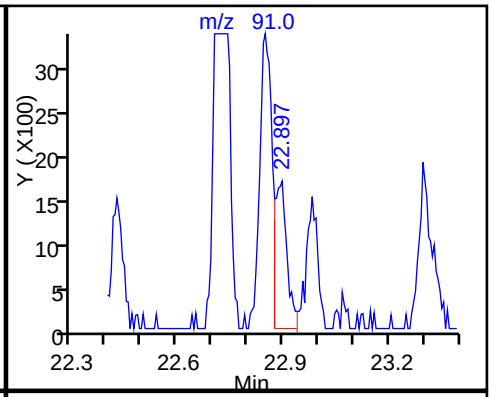
TestAmerica Burlington

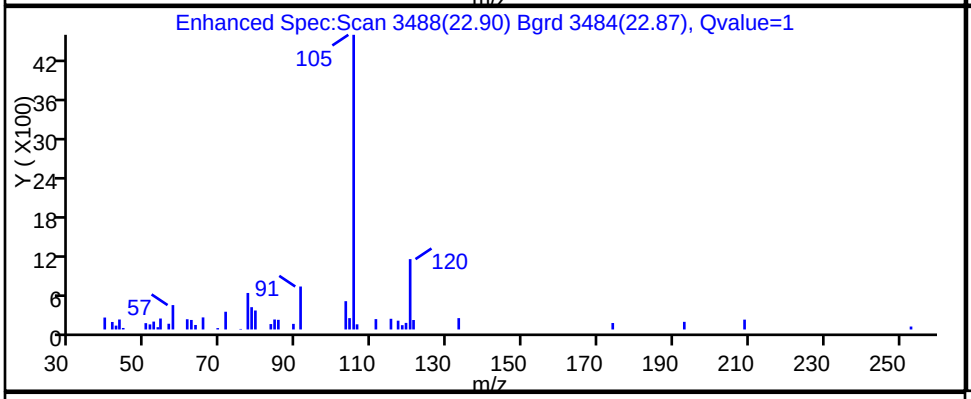
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

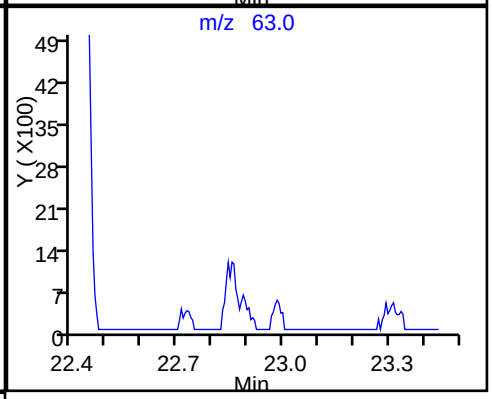
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

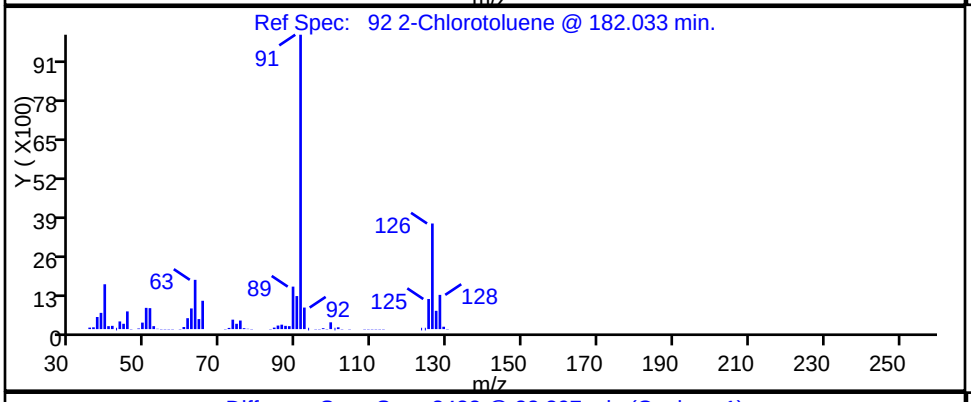
92 2-Chlorotoluene, CAS: 95-49-8

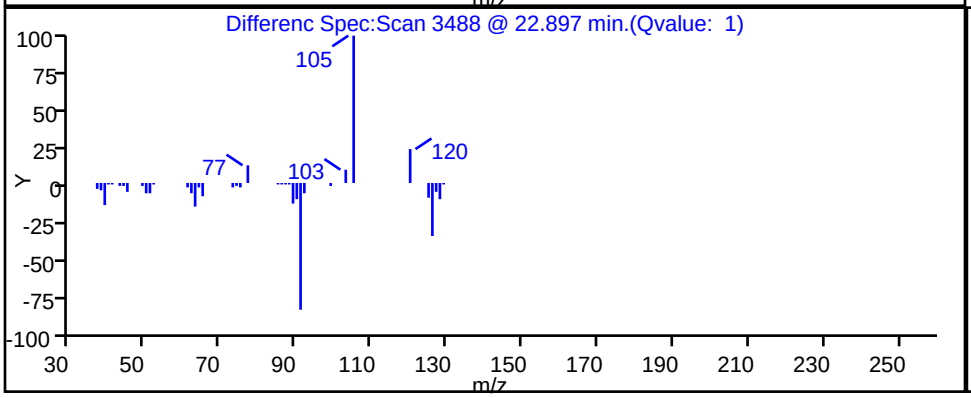


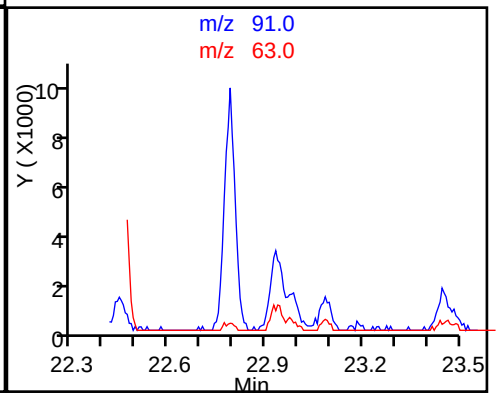












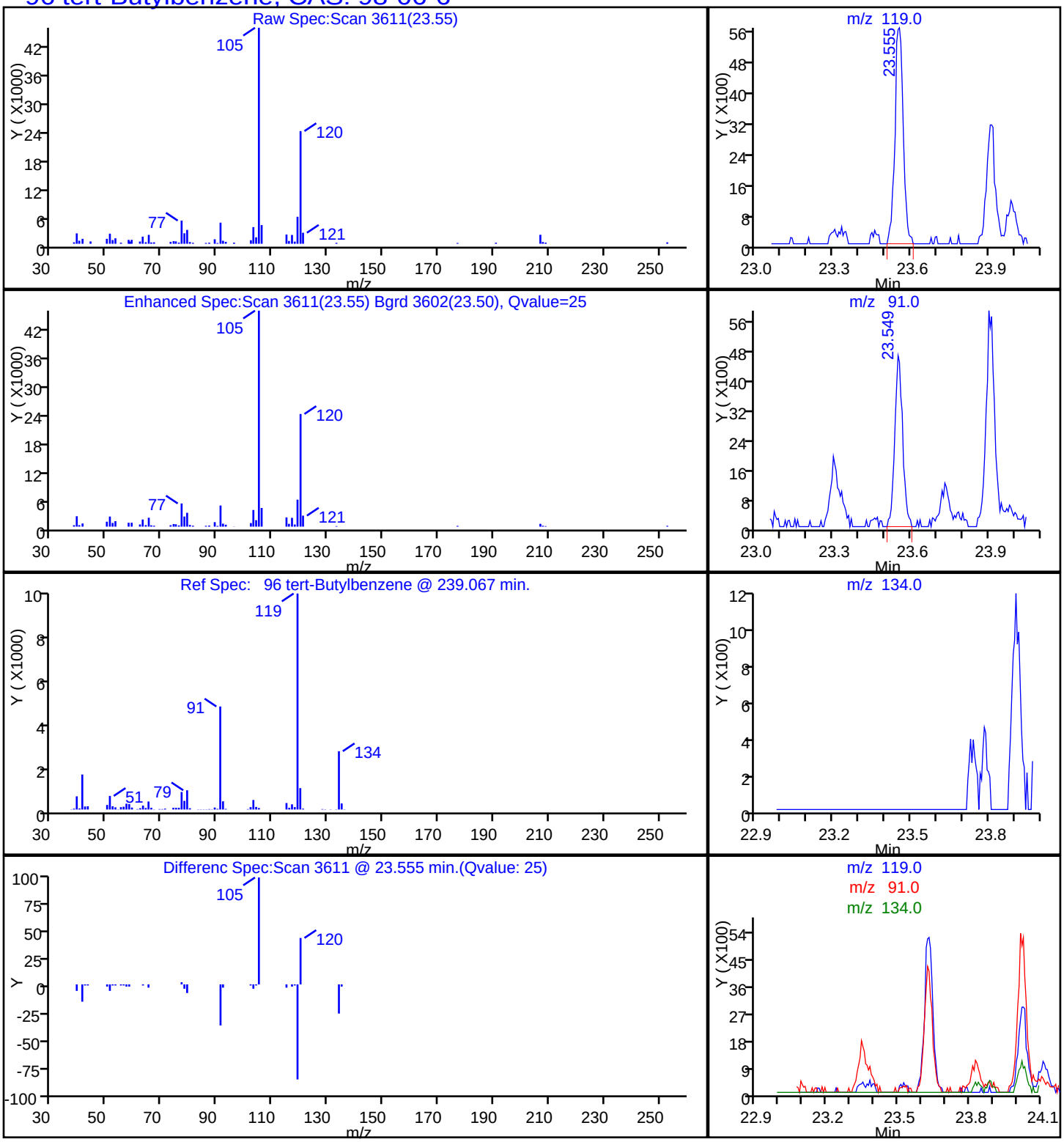
Report Date: 18-Jul-2014 10:16:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

96 tert-Butylbenzene, CAS: 98-06-6

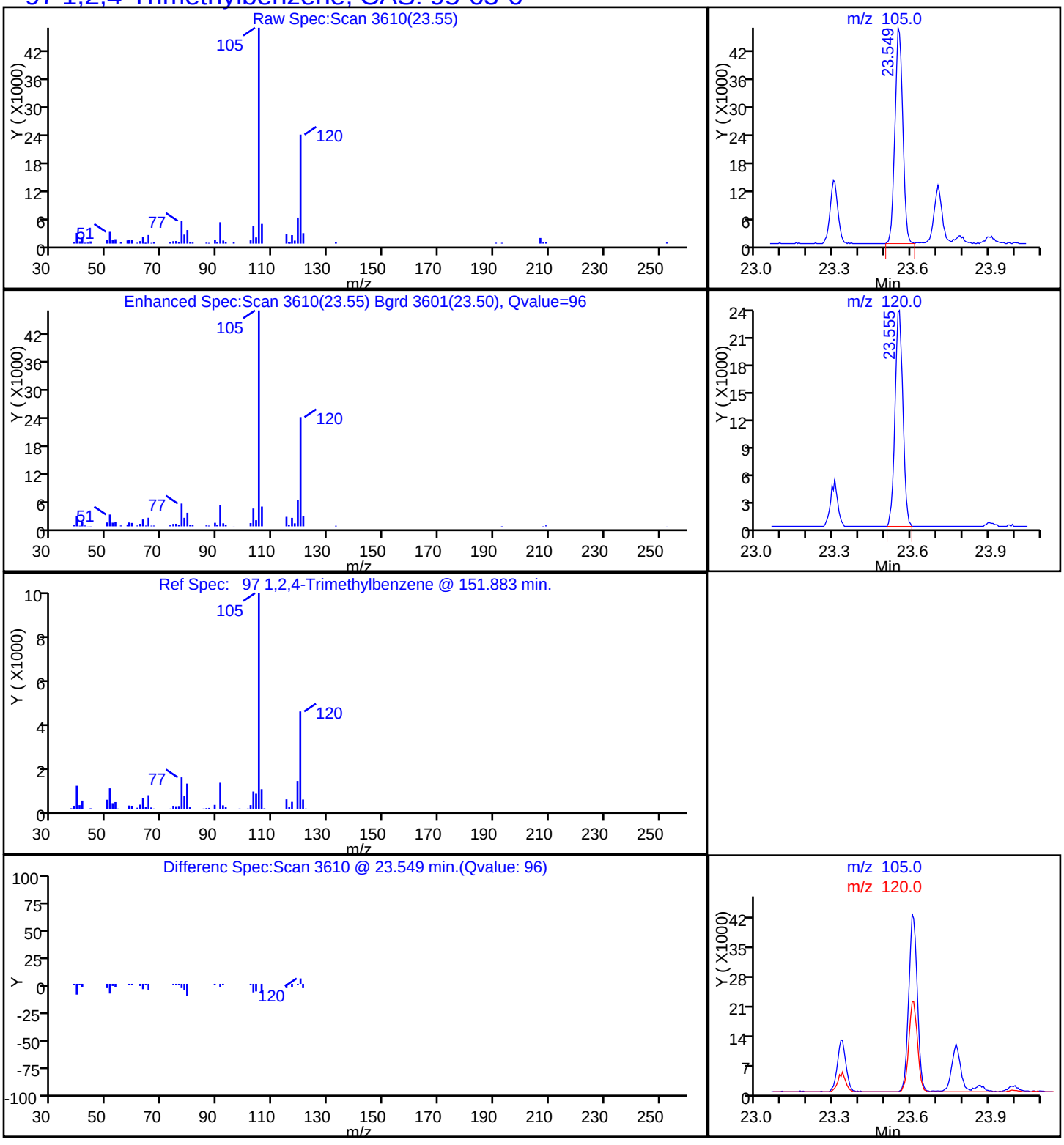


Report Date: 18-Jul-2014 10:16:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d				
Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 1,2,4-Trimethylbenzene, CAS: 95-63-6



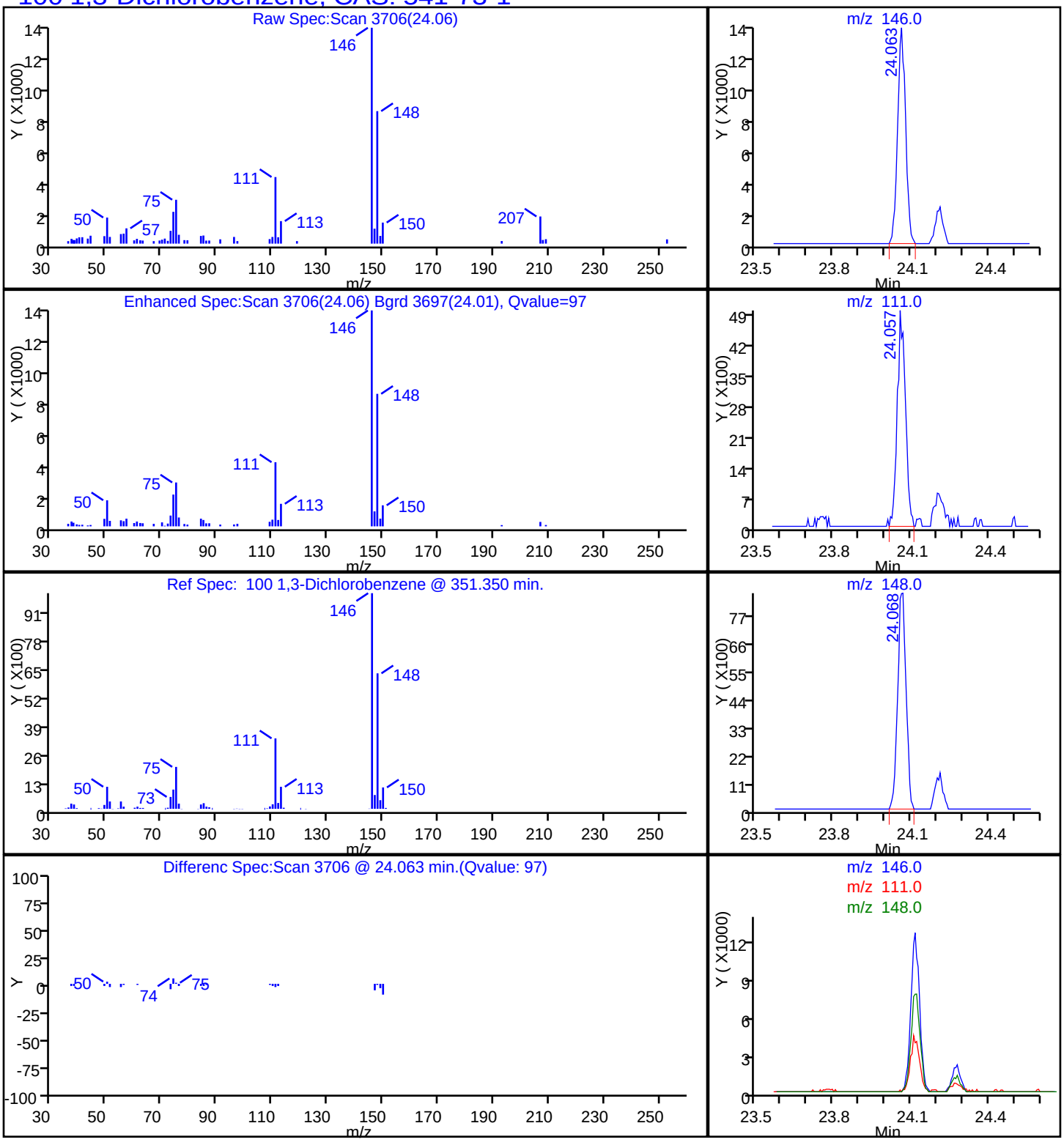
Report Date: 18-Jul-2014 10:16:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



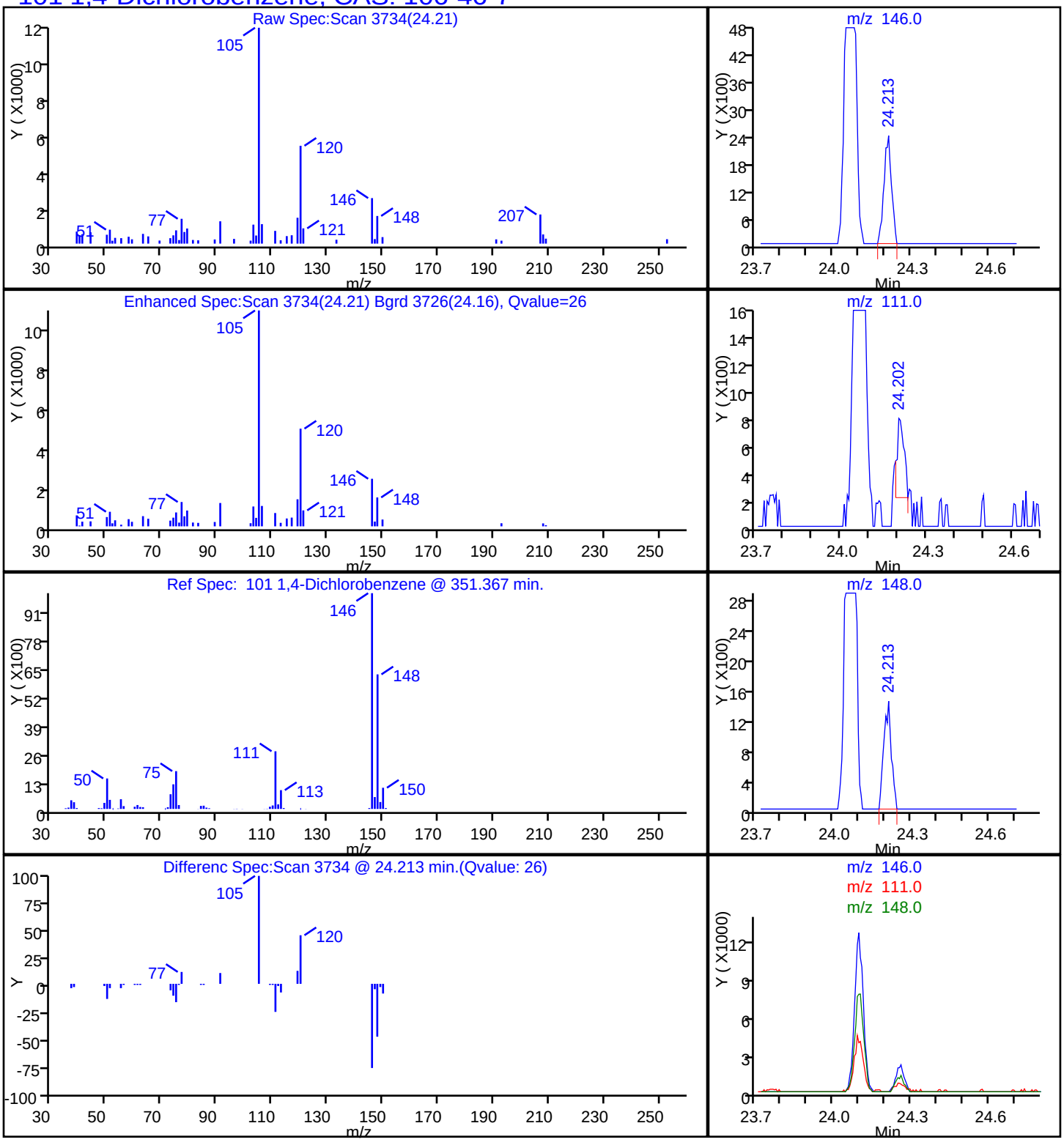
Report Date: 18-Jul-2014 10:16:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_009.d

Injection Date:	17-Jul-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-5	Lab Sample ID:	200-23187-5		
Client ID:	SSDS EFFLUENT(POST CARBON)				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

101 1,4-Dichlorobenzene, CAS: 106-46-7



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-1 Lab Sample ID: 200-23187-6

Matrix: Air Lab File ID: 8602_010.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:25

Sample wt/vol: 40(mL) Date Analyzed: 07/17/2014 18:21

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	4.0		2.5	0.15
75-45-6	Freon 22	86.47	0.45	J	2.5	0.24
76-14-2	Freon-114	170.92	1.0	U	1.0	0.18
74-87-3	Chloromethane	50.49	2.5	U	2.5	0.68
106-97-8	n-Butane	58.12	2.5	U	2.5	1.4
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.19
106-99-0	1,3-Butadiene	54.09	1.0	U	1.0	0.21
74-83-9	Bromomethane	94.94	1.0	U	1.0	0.14
75-00-3	Chloroethane	64.52	2.5	U	2.5	0.15
593-60-2	Vinyl bromide	106.96	1.0	U	1.0	0.15
75-69-4	Freon 11	137.37	0.75	J	1.0	0.15
76-13-1	Freon 113	187.38	0.15	J	1.0	0.090
75-35-4	1,1-Dichloroethene	96.94	1.0	U	1.0	0.12
67-64-1	Acetone	58.08	25	U	25	6.3
67-63-0	Isopropyl alcohol	60.10	4.8	J	25	1.1
75-15-0	Carbon disulfide	76.14	2.5	U	2.5	0.33
107-05-1	Allyl chloride	76.53	2.5	U	2.5	0.17
75-09-2	Methylene Chloride	84.93	2.3	J	2.5	0.63
75-65-0	tert-Butyl alcohol	74.12	25	U	25	1.6
1634-04-4	Methyl tert-butyl ether	88.15	1.0	U	1.0	0.11
156-60-5	trans-1,2-Dichloroethene	96.94	0.43	J	1.0	0.15
110-54-3	Hexane	86.17	1.0	U	1.0	0.17
75-34-3	1,1-Dichloroethane	98.96	1.0	U	1.0	0.19
78-93-3	Methyl Ethyl Ketone	72.11	2.5	U	2.5	1.2
156-59-2	cis-1,2-Dichloroethene	96.94	3.3		1.0	0.19
540-59-0	1,2-Dichloroethene, Total	96.94	3.7		1.0	0.32
67-66-3	Chloroform	119.38	3.4		1.0	0.13
109-99-9	Tetrahydrofuran	72.11	25	U	25	0.23
71-55-6	1,1,1-Trichloroethane	133.41	1.0	U	1.0	0.11
110-82-7	Cyclohexane	84.16	6.3		1.0	0.13
56-23-5	Carbon tetrachloride	153.81	0.20	U	0.20	0.11
540-84-1	2,2,4-Trimethylpentane	114.23	1.0	U	1.0	0.14
71-43-2	Benzene	78.11	1.0	U	1.0	0.095
107-06-2	1,2-Dichloroethane	98.96	1.0	U	1.0	0.085
142-82-5	Heptane	100.21	1.0	U	1.0	0.23

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-1 Lab Sample ID: 200-23187-6

Matrix: Air Lab File ID: 8602_010.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:25

Sample wt/vol: 40(mL) Date Analyzed: 07/17/2014 18:21

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	9.8		0.20	0.12
80-62-6	Methyl methacrylate	100.12	2.5	U	2.5	0.15
78-87-5	1,2-Dichloropropane	112.99	1.0	U	1.0	0.16
123-91-1	1,4-Dioxane	88.11	25	U	25	1.0
75-27-4	Bromodichloromethane	163.83	1.0	U	1.0	0.085
10061-01-5	cis-1,3-Dichloropropene	110.97	1.0	U	1.0	0.14
108-10-1	methyl isobutyl ketone	100.16	2.5	U	2.5	0.14
108-88-3	Toluene	92.14	0.16	J	1.0	0.085
10061-02-6	trans-1,3-Dichloropropene	110.97	1.0	U	1.0	0.11
79-00-5	1,1,2-Trichloroethane	133.41	1.0	U	1.0	0.085
127-18-4	Tetrachloroethene	165.83	180		1.0	0.080
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.5	U	2.5	1.0
124-48-1	Dibromochloromethane	208.29	1.0	U	1.0	0.10
106-93-4	1,2-Dibromoethane	187.87	1.0	U	1.0	0.10
108-90-7	Chlorobenzene	112.56	1.0	U	1.0	0.041
100-41-4	Ethylbenzene	106.17	0.088	J	1.0	0.065
179601-23-1	m,p-Xylene	106.17	2.5	U	2.5	0.12
95-47-6	Xylene, o-	106.17	1.0	U	1.0	0.080
1330-20-7	Xylene (total)	106.17	1.0	U	1.0	0.17
100-42-5	Styrene	104.15	1.0	U	1.0	0.090
75-25-2	Bromoform	252.75	1.0	U	1.0	0.050
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.0	U	1.0	0.080
103-65-1	n-Propylbenzene	120.19	1.0	U	1.0	0.40
622-96-8	4-Ethyltoluene	120.20	1.0	U	1.0	0.090
108-67-8	1,3,5-Trimethylbenzene	120.20	1.0	U	1.0	0.060
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.065
98-06-6	tert-Butylbenzene	134.22	1.0	U	1.0	0.085
95-63-6	1,2,4-Trimethylbenzene	120.20	1.0	U	1.0	0.070
135-98-8	sec-Butylbenzene	134.22	1.0	U	1.0	0.40
99-87-6	4-Isopropyltoluene	134.22	1.0	U	1.0	0.40
541-73-1	1,3-Dichlorobenzene	147.00	0.075	J B	1.0	0.070
106-46-7	1,4-Dichlorobenzene	147.00	1.0	U	1.0	0.070
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.40
104-51-8	n-Butylbenzene	134.22	1.0	U	1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-1 Lab Sample ID: 200-23187-6

Matrix: Air Lab File ID: 8602_010.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:25

Sample wt/vol: 40(mL) Date Analyzed: 07/17/2014 18:21

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.0	U	1.0	0.070
120-82-1	1,2,4-Trichlorobenzene	181.45	2.5	U	2.5	0.14
87-68-3	Hexachloro-1,3-butadiene	260.76	1.0	U	1.0	0.11
91-20-3	Naphthalene	128.17	2.5	U	2.5	1.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-1 Lab Sample ID: 200-23187-6

Matrix: Air Lab File ID: 8602_010.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:25

Sample wt/vol: 40(mL) Date Analyzed: 07/17/2014 18:21

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	20		12	0.74
75-45-6	Freon 22	86.47	1.6	J	8.8	0.85
76-14-2	Freon-114	170.92	7.0	U	7.0	1.2
74-87-3	Chloromethane	50.49	5.2	U	5.2	1.4
106-97-8	n-Butane	58.12	5.9	U	5.9	3.4
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.49
106-99-0	1,3-Butadiene	54.09	2.2	U	2.2	0.46
74-83-9	Bromomethane	94.94	3.9	U	3.9	0.54
75-00-3	Chloroethane	64.52	6.6	U	6.6	0.40
593-60-2	Vinyl bromide	106.96	4.4	U	4.4	0.66
75-69-4	Freon 11	137.37	4.2	J	5.6	0.84
76-13-1	Freon 113	187.38	1.2	J	7.7	0.69
75-35-4	1,1-Dichloroethene	96.94	4.0	U	4.0	0.48
67-64-1	Acetone	58.08	59	U	59	15
67-63-0	Isopropyl alcohol	60.10	12	J	61	2.6
75-15-0	Carbon disulfide	76.14	7.8	U	7.8	1.0
107-05-1	Allyl chloride	76.53	7.8	U	7.8	0.53
75-09-2	Methylene Chloride	84.93	8.0	J	8.7	2.2
75-65-0	tert-Butyl alcohol	74.12	76	U	76	5.0
1634-04-4	Methyl tert-butyl ether	88.15	3.6	U	3.6	0.40
156-60-5	trans-1,2-Dichloroethene	96.94	1.7	J	4.0	0.57
110-54-3	Hexane	86.17	3.5	U	3.5	0.60
75-34-3	1,1-Dichloroethane	98.96	4.0	U	4.0	0.77
78-93-3	Methyl Ethyl Ketone	72.11	7.4	U	7.4	3.6
156-59-2	cis-1,2-Dichloroethene	96.94	13		4.0	0.75
540-59-0	1,2-Dichloroethene, Total	96.94	15		4.0	1.3
67-66-3	Chloroform	119.38	17		4.9	0.61
109-99-9	Tetrahydrofuran	72.11	74	U	74	0.68
71-55-6	1,1,1-Trichloroethane	133.41	5.5	U	5.5	0.57
110-82-7	Cyclohexane	84.16	22		3.4	0.43
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	0.66
540-84-1	2,2,4-Trimethylpentane	114.23	4.7	U	4.7	0.63
71-43-2	Benzene	78.11	3.2	U	3.2	0.30
107-06-2	1,2-Dichloroethane	98.96	4.0	U	4.0	0.34
142-82-5	Heptane	100.21	4.1	U	4.1	0.94

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-1 Lab Sample ID: 200-23187-6

Matrix: Air Lab File ID: 8602_010.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:25

Sample wt/vol: 40(mL) Date Analyzed: 07/17/2014 18:21

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	53		1.1	0.64
80-62-6	Methyl methacrylate	100.12	10	U	10	0.61
78-87-5	1,2-Dichloropropane	112.99	4.6	U	4.6	0.74
123-91-1	1,4-Dioxane	88.11	90	U	90	3.6
75-27-4	Bromodichloromethane	163.83	6.7	U	6.7	0.57
10061-01-5	cis-1,3-Dichloropropene	110.97	4.5	U	4.5	0.64
108-10-1	methyl isobutyl ketone	100.16	10	U	10	0.55
108-88-3	Toluene	92.14	0.59	J	3.8	0.32
10061-02-6	trans-1,3-Dichloropropene	110.97	4.5	U	4.5	0.50
79-00-5	1,1,2-Trichloroethane	133.41	5.5	U	5.5	0.46
127-18-4	Tetrachloroethene	165.83	1300		6.8	0.54
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10	U	10	4.1
124-48-1	Dibromochloromethane	208.29	8.5	U	8.5	0.85
106-93-4	1,2-Dibromoethane	187.87	7.7	U	7.7	0.77
108-90-7	Chlorobenzene	112.56	4.6	U	4.6	0.19
100-41-4	Ethylbenzene	106.17	0.38	J	4.3	0.28
179601-23-1	m,p-Xylene	106.17	11	U	11	0.50
95-47-6	Xylene, o-	106.17	4.3	U	4.3	0.35
1330-20-7	Xylene (total)	106.17	4.3	U	4.3	0.74
100-42-5	Styrene	104.15	4.3	U	4.3	0.38
75-25-2	Bromoform	252.75	10	U	10	0.52
79-34-5	1,1,2,2-Tetrachloroethane	167.85	6.9	U	6.9	0.55
103-65-1	n-Propylbenzene	120.19	4.9	U	4.9	2.0
622-96-8	4-Ethyltoluene	120.20	4.9	U	4.9	0.44
108-67-8	1,3,5-Trimethylbenzene	120.20	4.9	U	4.9	0.29
95-49-8	2-Chlorotoluene	126.59	5.2	U	5.2	0.34
98-06-6	tert-Butylbenzene	134.22	5.5	U	5.5	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	4.9	U	4.9	0.34
135-98-8	sec-Butylbenzene	134.22	5.5	U	5.5	2.2
99-87-6	4-Isopropyltoluene	134.22	5.5	U	5.5	2.2
541-73-1	1,3-Dichlorobenzene	147.00	0.45	J B	6.0	0.42
106-46-7	1,4-Dichlorobenzene	147.00	6.0	U	6.0	0.42
100-44-7	Benzyl chloride	126.58	5.2	U	5.2	2.1
104-51-8	n-Butylbenzene	134.22	5.5	U	5.5	2.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-1 Lab Sample ID: 200-23187-6

Matrix: Air Lab File ID: 8602_010.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:25

Sample wt/vol: 40(mL) Date Analyzed: 07/17/2014 18:21

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	6.0	U	6.0	0.42
120-82-1	1,2,4-Trichlorobenzene	181.45	19	U	19	1.0
87-68-3	Hexachloro-1,3-butadiene	260.76	11	U	11	1.2
91-20-3	Naphthalene	128.17	13	U	13	5.2

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d
Lims ID: 200-23187-A-6 Lab Sample ID: 200-23187-6
Client ID: SDS-1
Sample Type: Client
Inject. Date: 17-Jul-2014 18:21:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Sample Info: 200-0008602-010
Misc. Info.: 200-23187-A-6
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Jul-2014 10:28:40 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 18-Jul-2014 09:33:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.483	4.488	-0.005	99	90999	0.7961	
6 Chlorodifluoromethane	51	4.547	4.552	-0.005	95	5152	0.0902	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.836				ND	
8 Chloromethane	50		5.034				ND	
9 Butane	43		5.291				ND	
10 Vinyl chloride	62		5.349				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.318				ND	
14 Chloroethane	64		6.601				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101	7.195	7.190	0.005	98	18963	0.1504	
23 1,1,2-Trichloro-1,2,2-trif	101	8.452	8.436	0.016	84	2961	0.0306	
24 1,1-Dichloroethene	96		8.511				ND	
25 Acetone	43		8.741				ND	
26 Carbon disulfide	76		9.003				ND	
27 Isopropyl alcohol	45	9.036	9.025	0.011	98	48547	0.9648	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49	9.736	9.731	0.005	84	18885	0.4614	
32 2-Methyl-2-propanol	59		9.897				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61				0		0.7536	
34 trans-1,2-Dichloroethene	61	10.223	10.228	-0.005	87	4876	0.0857	
36 Hexane	57		10.640				ND	
37 1,1-Dichloroethane	63		11.191				ND	
39 cis-1,2-Dichloroethene	96	12.368	12.363	0.005	92	35593	0.6679	
40 2-Butanone (MEK)	72		12.379				ND	
44 Tetrahydrofuran	42		12.839				ND	
* 43 Chlorobromomethane	128	12.844	12.850	-0.006	78	390899	10.0	
45 Chloroform	83	12.951	12.957	-0.006	99	63389	0.6812	
46 Cyclohexane	84	13.251	13.256	-0.005	85	88590	1.26	
47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.524				ND	
51 Isooctane	57		13.909				ND	
50 Benzene	78	13.963	13.973	-0.010	90	2475	0.0167	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.262				ND	
* 54 1,4-Difluorobenzene	114	14.728	14.727	0.001	92	1892543	10.0	
56 Trichloroethene	95	15.193	15.198	-0.005	93	136540	1.96	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.888				ND	
62 Dichlorobromomethane	83		16.209				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.301				ND	
66 Toluene	92	17.643	17.638	0.005	91	3772	0.0312	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166	18.681	18.681	0.000	95	4615414	36.9	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.0260	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	82	1701146	10.0	
77 Chlorobenzene	112		20.478				ND	
78 Ethylbenzene	91	20.602	20.596	0.006	93	4237	0.0176	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	92	2256	0.0220	
83 o-Xylene	106	21.522	21.527	-0.005	7	426	0.004060	
84 Styrene	104		21.564				ND	
85 Bromoform	173		21.949				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.436	-0.010	98	1053103	NC	
88 1,1,2,2-Tetrachloroethane	83		22.666				ND	
90 N-Propylbenzene	91		22.741				ND	
91 4-Ethyltoluene	105		22.907				ND	
92 2-Chlorotoluene	91		22.945				ND	
94 1,3,5-Trimethylbenzene	105		22.998				ND	
96 tert-Butylbenzene	119		23.474				ND	
97 1,2,4-Trimethylbenzene	105		23.565				ND	
98 sec-Butylbenzene	105		23.806				ND	
99 4-Isopropyltoluene	119		24.009				ND	
100 1,3-Dichlorobenzene	146	24.063	24.079	-0.016	77	2848	0.0150	
101 1,4-Dichlorobenzene	146		24.223				ND	
102 Benzyl chloride	91		24.432				ND	
103 n-Butylbenzene	91		24.640				ND	
105 1,2-Dichlorobenzene	146		24.828				ND	
107 1,2,4-Trichlorobenzene	180		27.706				ND	
108 Hexachlorobutadiene	225		27.904				ND	
109 Naphthalene	128		28.289				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

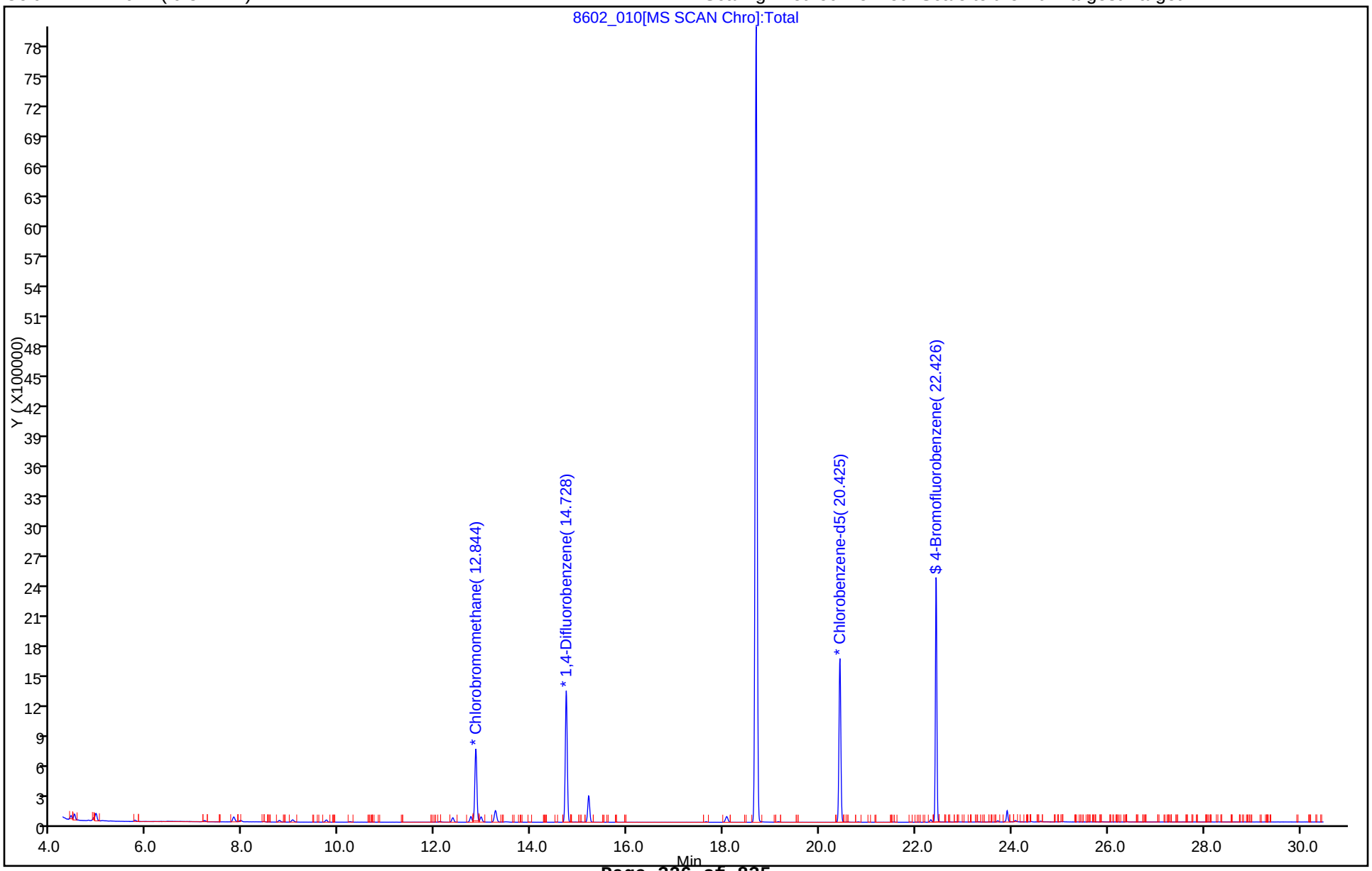
Report Date: 18-Jul-2014 10:28:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d

Injection Date:	17-Jul-2014 18:21:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23187-A-6	Lab Sample ID:	200-23187-6	Worklist Smp#:	10
Client ID:	SDS-1				
Purge Vol:	200.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



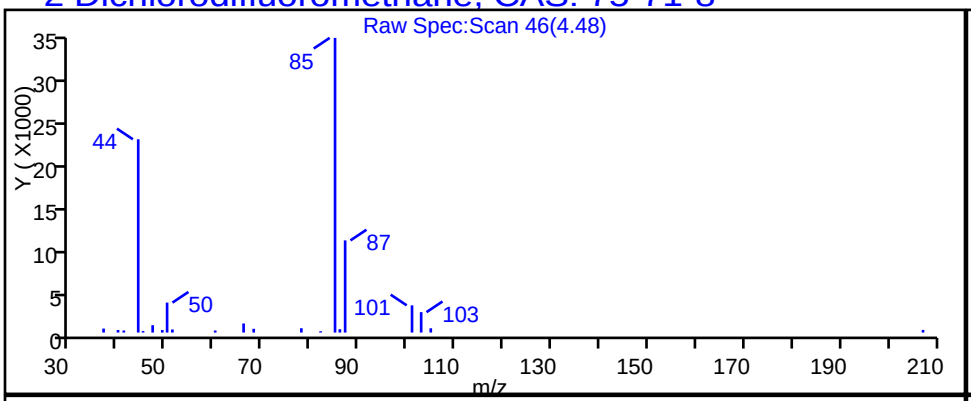
Report Date: 18-Jul-2014 10:28:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

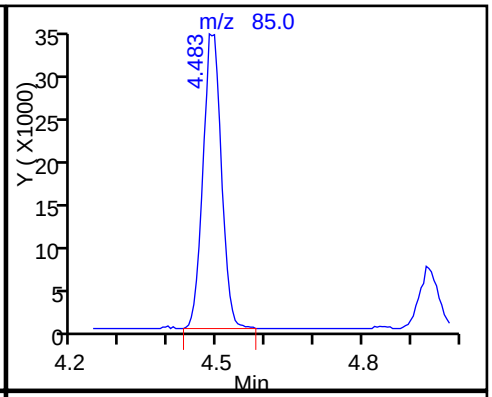
TestAmerica Burlington

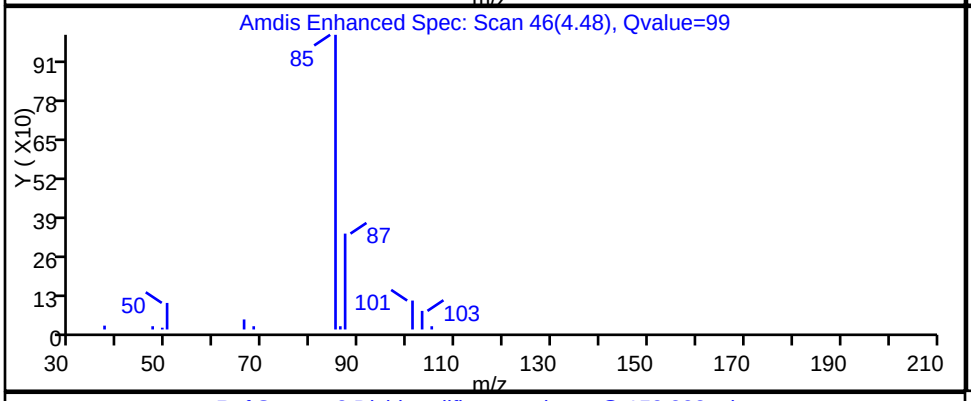
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d

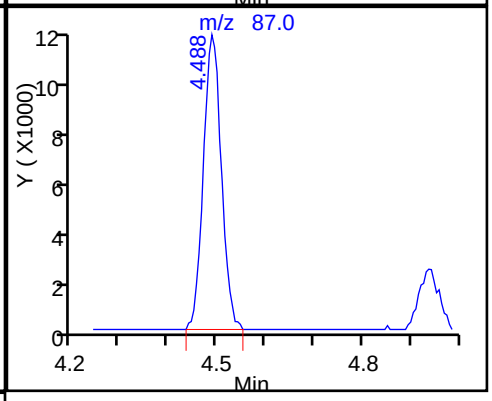
Injection Date:	17-Jul-2014 18:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-6	Lab Sample ID:	200-23187-6		
Client ID:	SDS-1				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

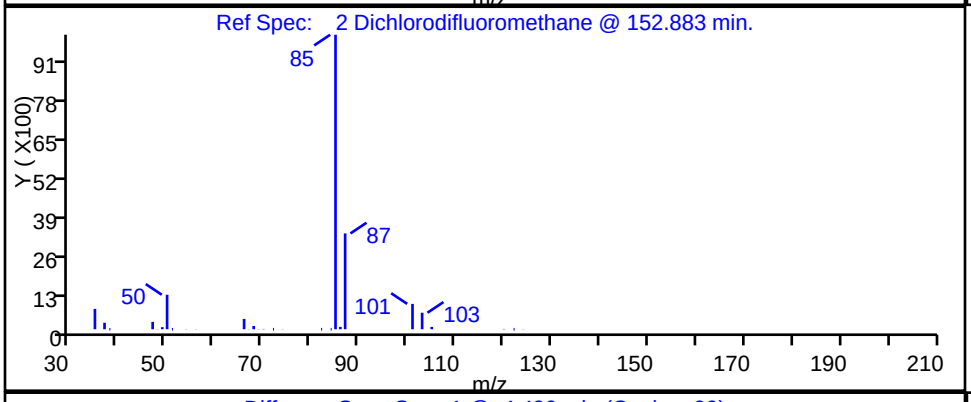
2 Dichlorodifluoromethane, CAS: 75-71-8

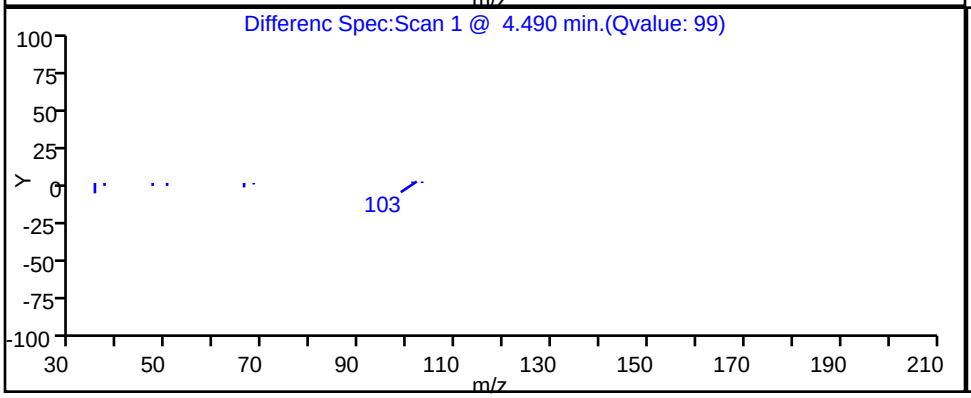


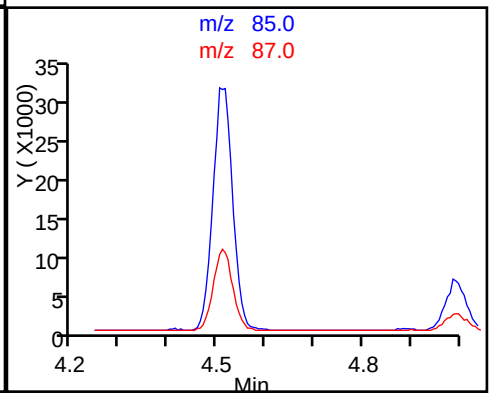












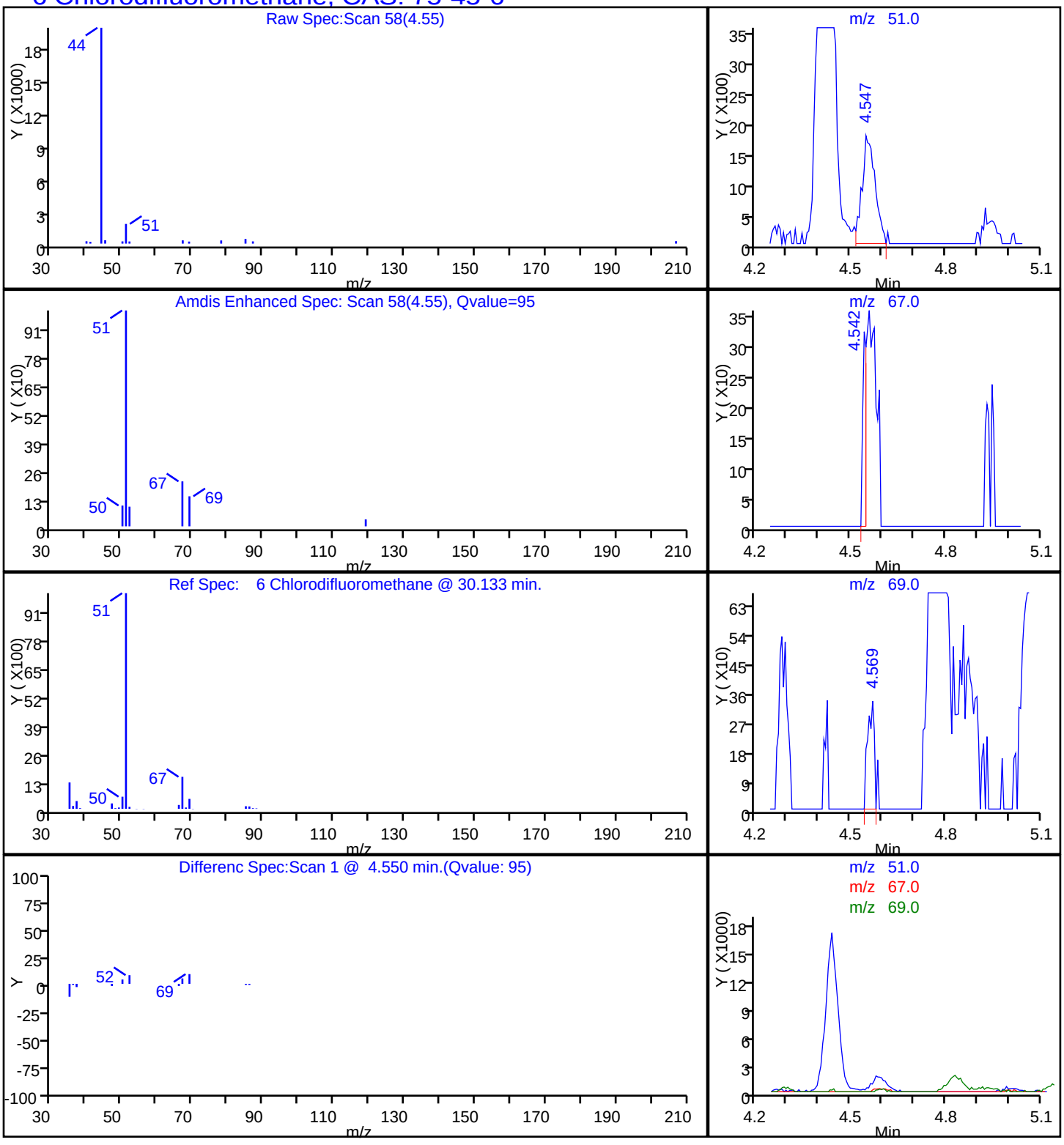
Report Date: 18-Jul-2014 10:28:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d

Injection Date:	17-Jul-2014 18:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-6	Lab Sample ID:	200-23187-6		
Client ID:	SDS-1				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



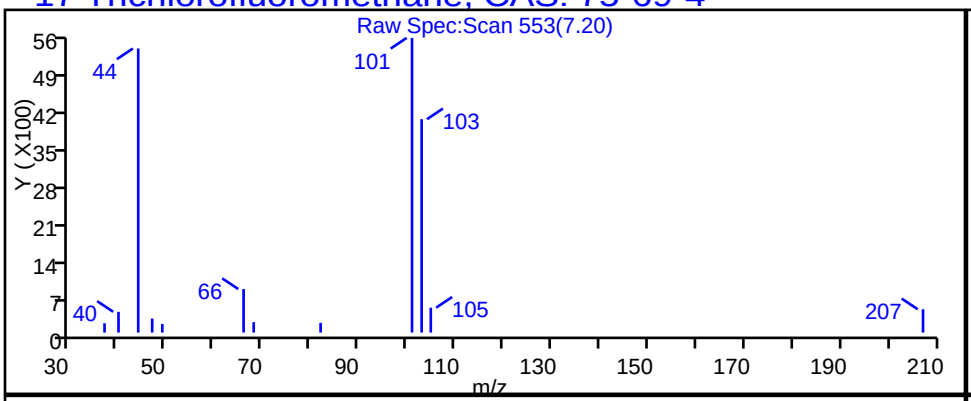
Report Date: 18-Jul-2014 10:28:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

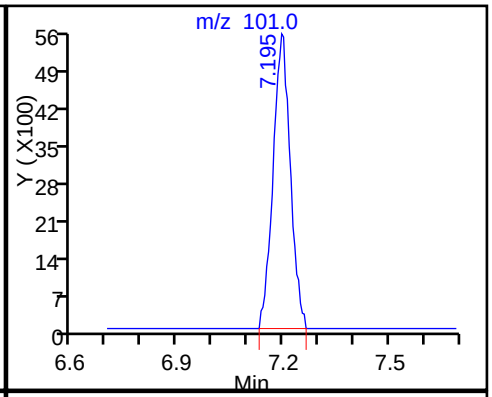
TestAmerica Burlington

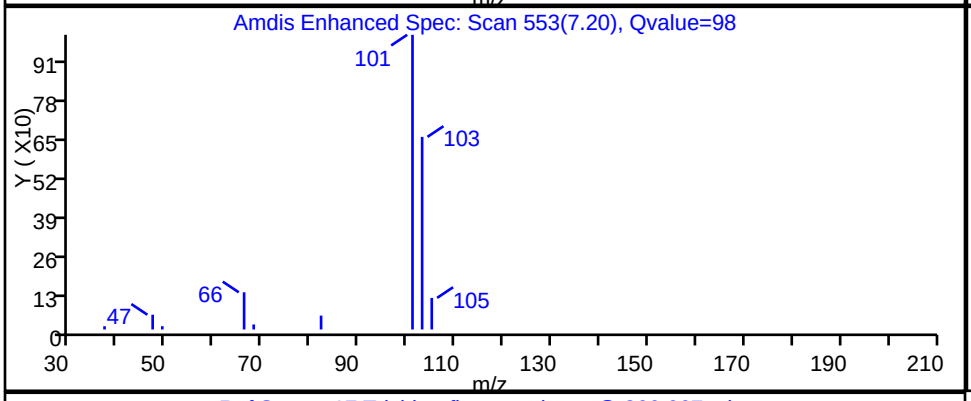
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d

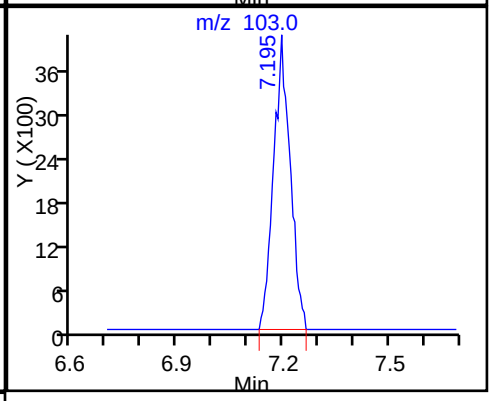
Injection Date:	17-Jul-2014 18:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-6	Lab Sample ID:	200-23187-6		
Client ID:	SDS-1				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

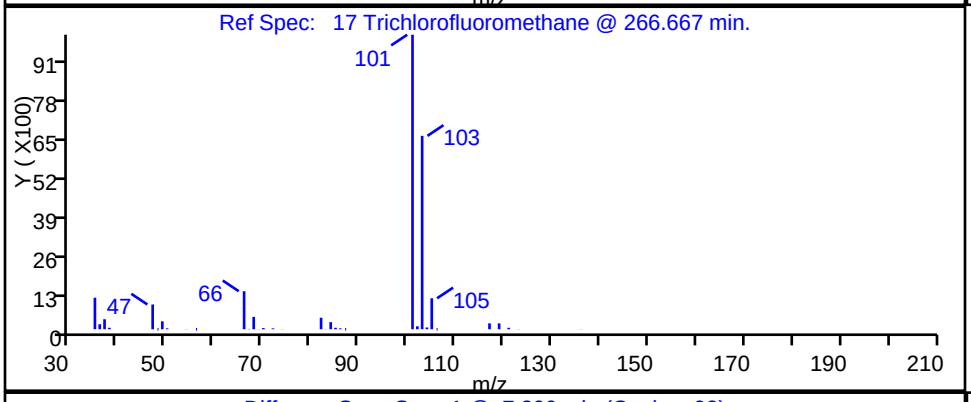
17 Trichlorofluoromethane, CAS: 75-69-4

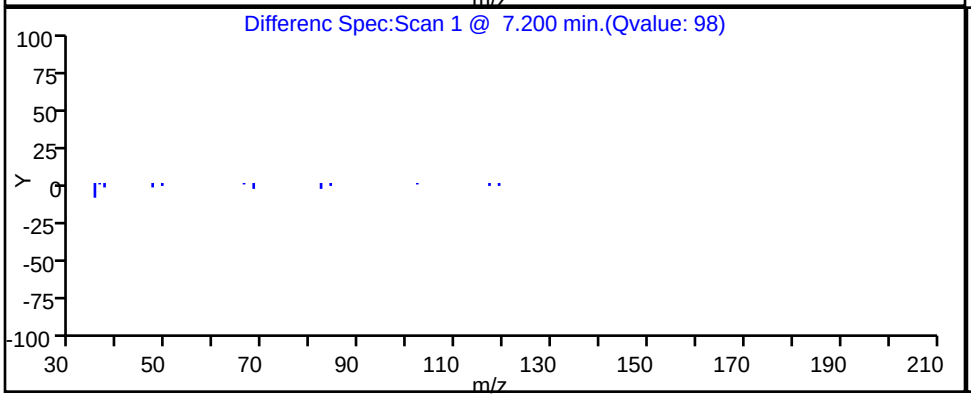


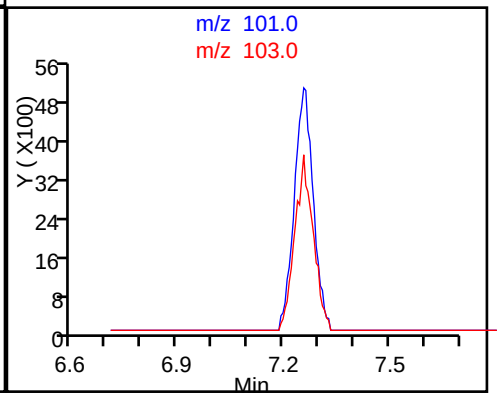












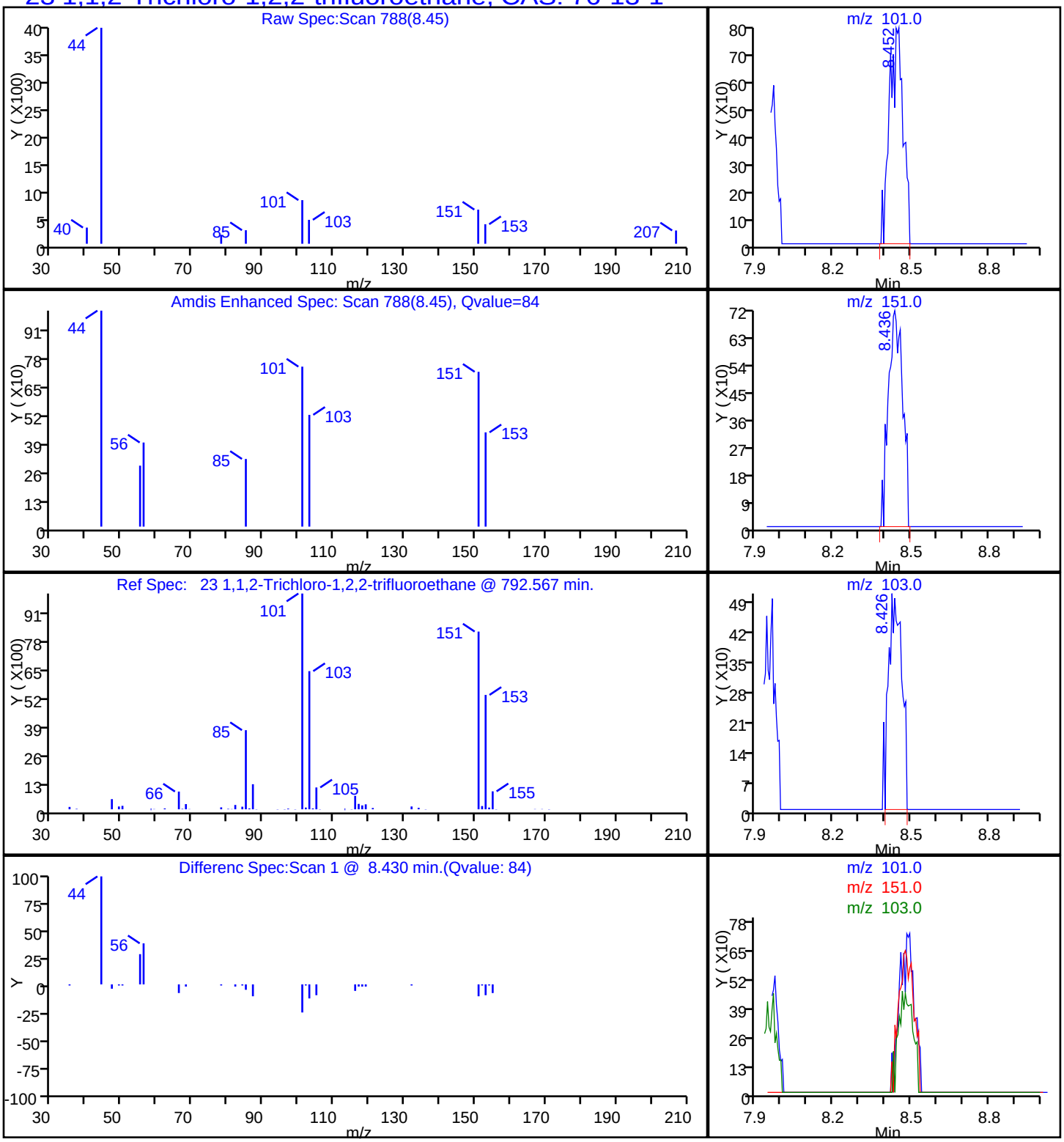
Report Date: 18-Jul-2014 10:28:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d

Injection Date:	17-Jul-2014 18:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-6	Lab Sample ID:	200-23187-6		
Client ID:	SDS-1				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



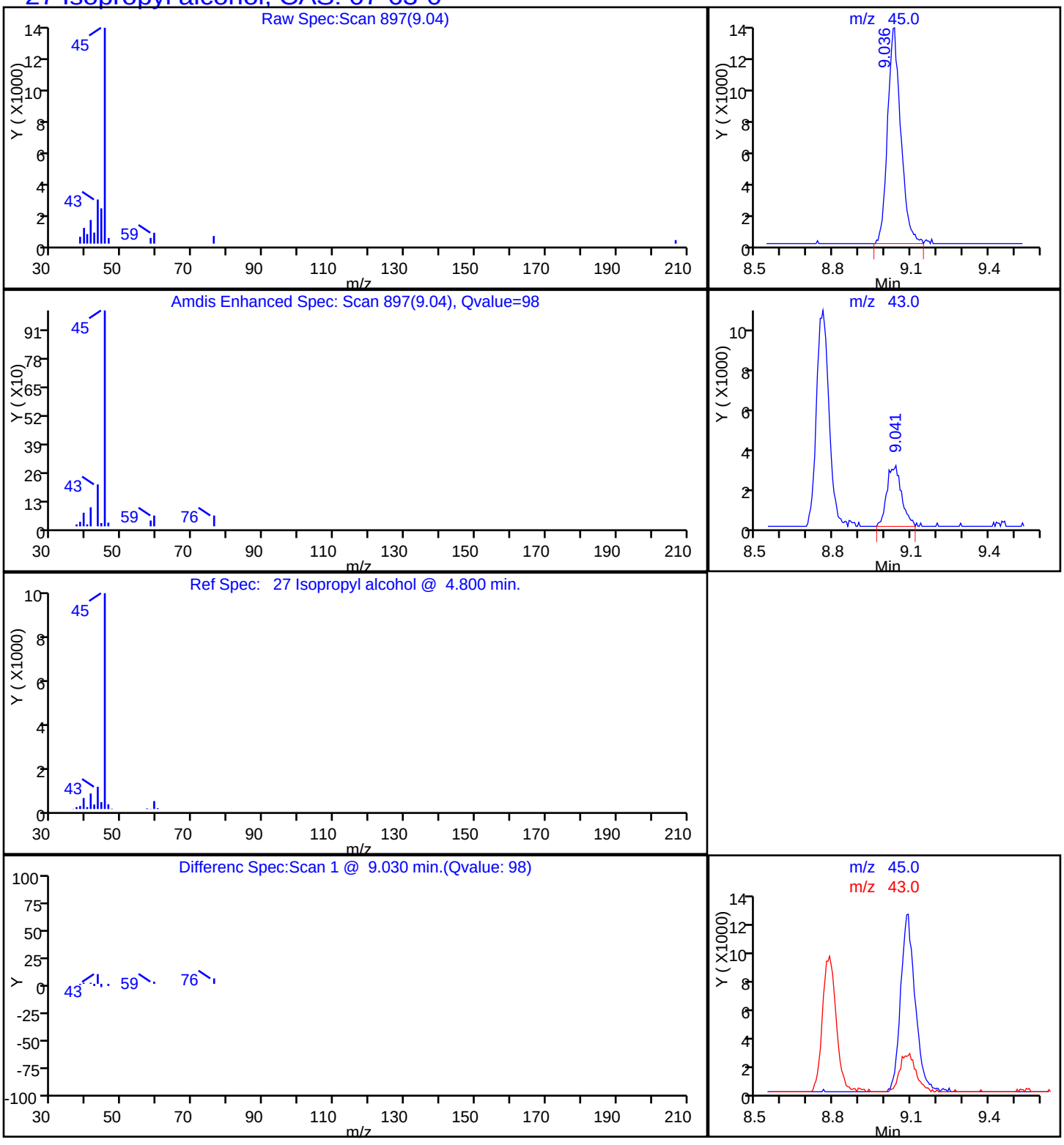
Report Date: 18-Jul-2014 10:28:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d

Injection Date:	17-Jul-2014 18:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-6	Lab Sample ID:	200-23187-6		
Client ID:	SDS-1				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



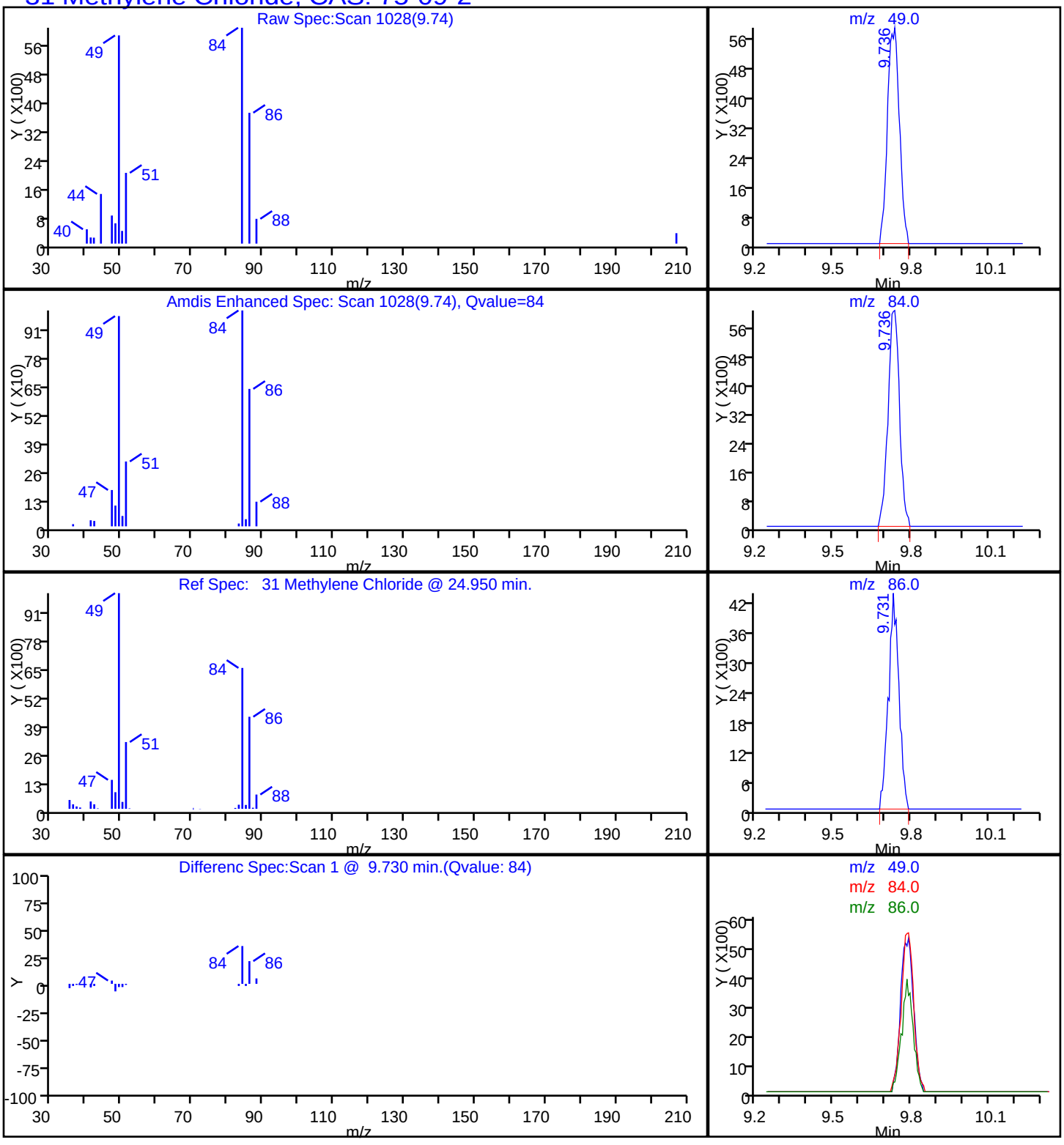
Report Date: 18-Jul-2014 10:28:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d

Injection Date:	17-Jul-2014 18:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-6	Lab Sample ID:	200-23187-6		
Client ID:	SDS-1				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



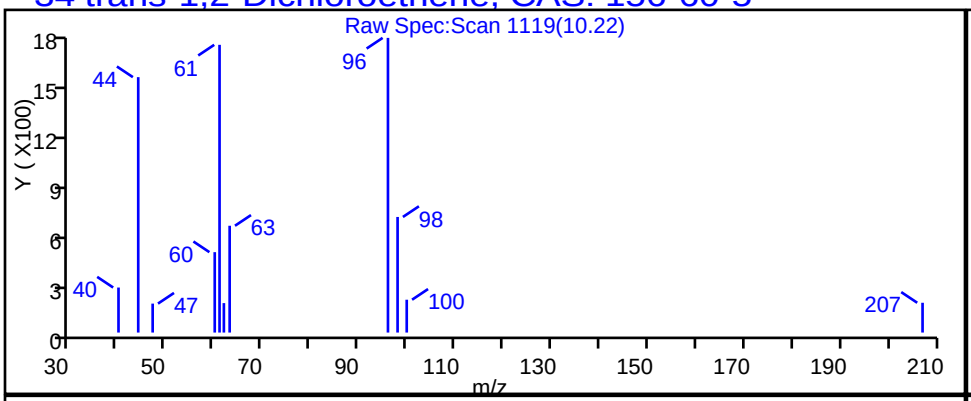
Report Date: 18-Jul-2014 10:28:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

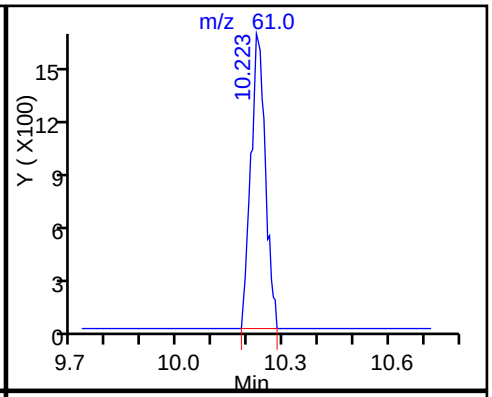
TestAmerica Burlington

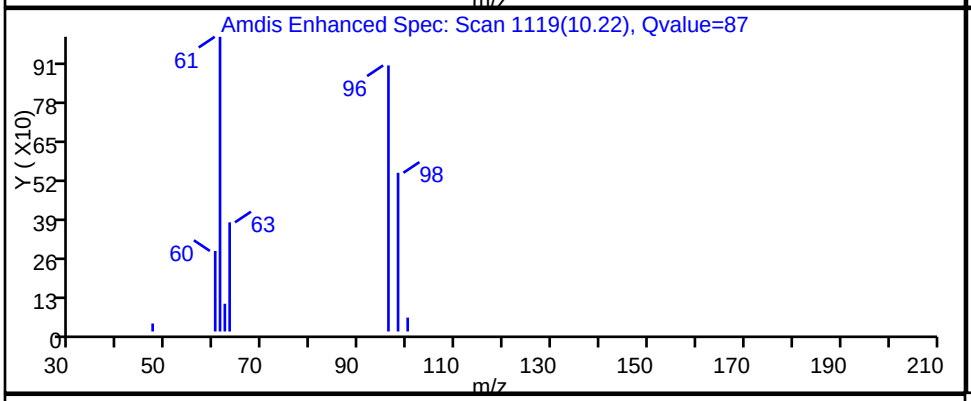
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d

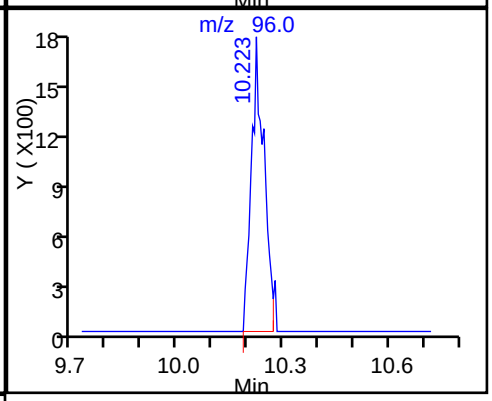
Injection Date:	17-Jul-2014 18:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-6	Lab Sample ID:	200-23187-6		
Client ID:	SDS-1				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

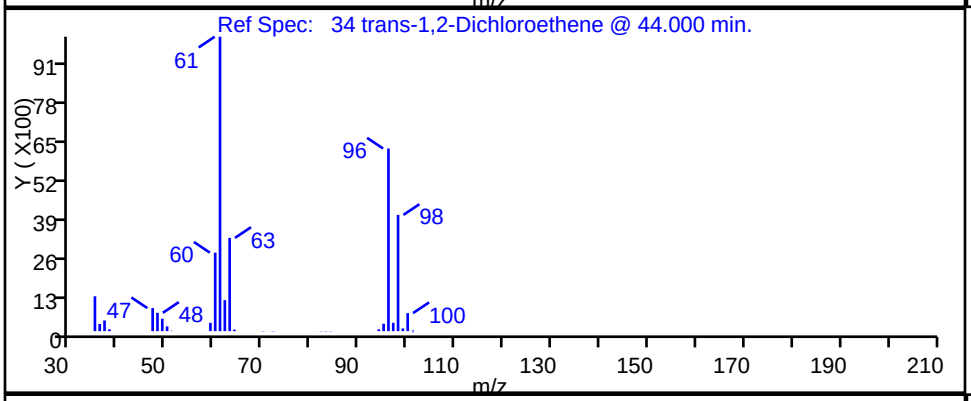
34 trans-1,2-Dichloroethene, CAS: 156-60-5

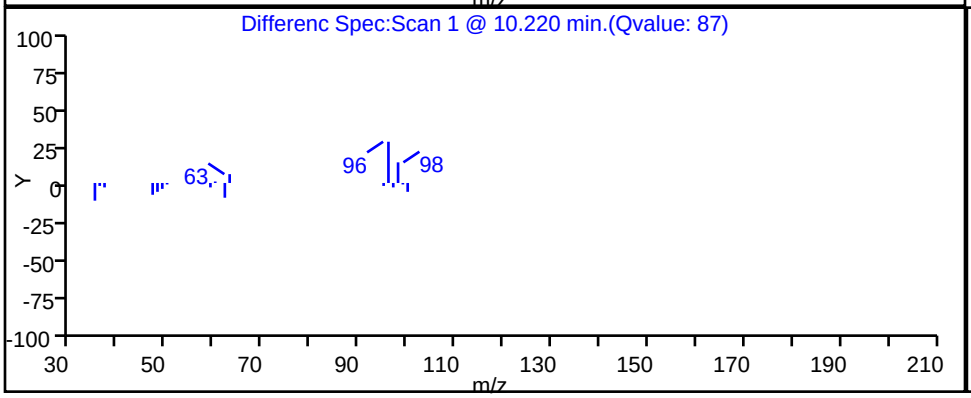


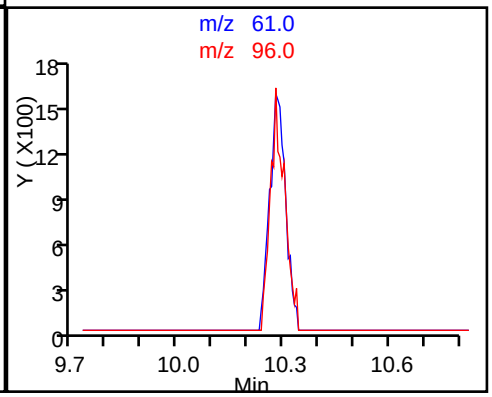












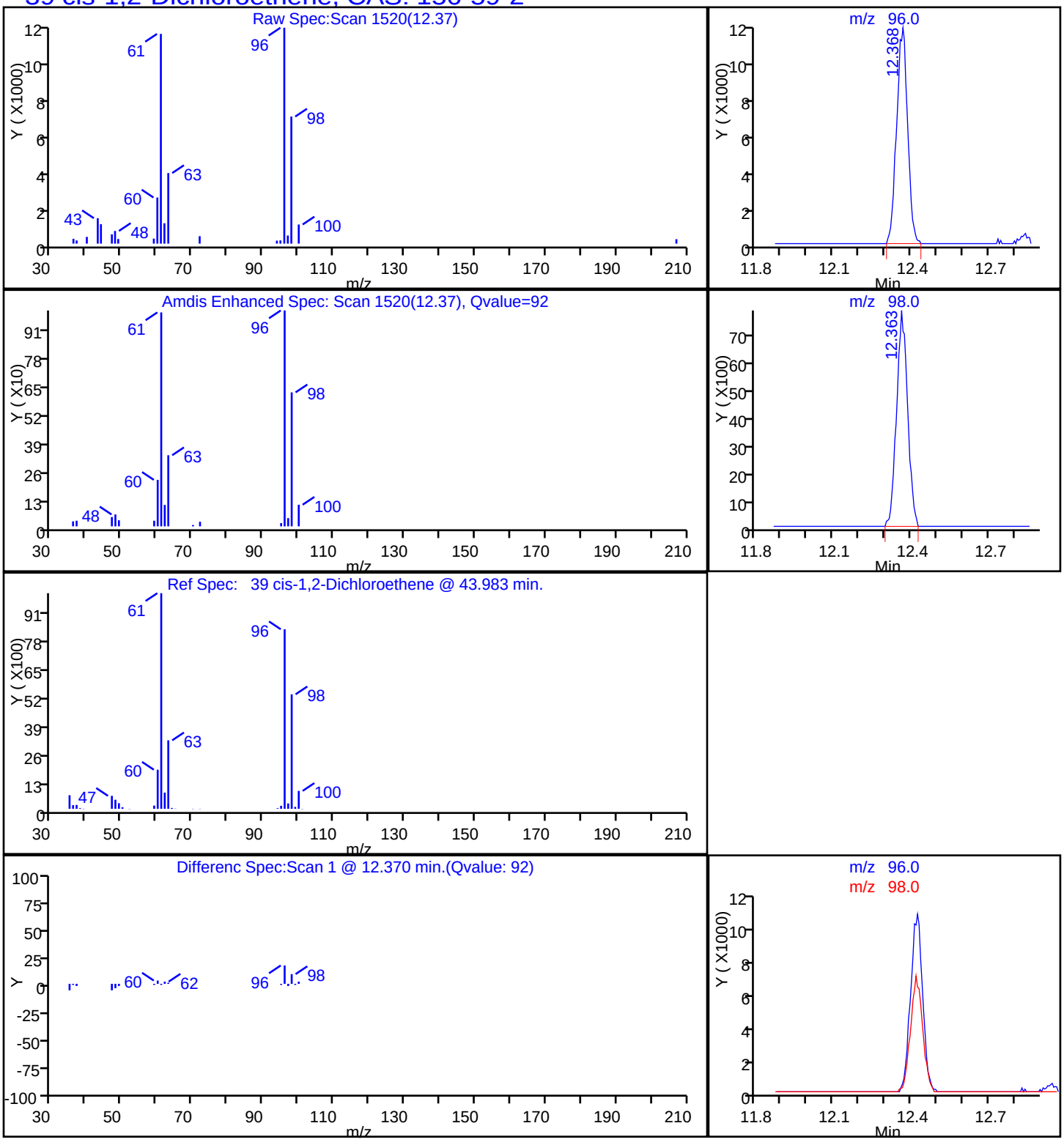
Report Date: 18-Jul-2014 10:28:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d

Injection Date:	17-Jul-2014 18:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-6	Lab Sample ID:	200-23187-6		
Client ID:	SDS-1				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2



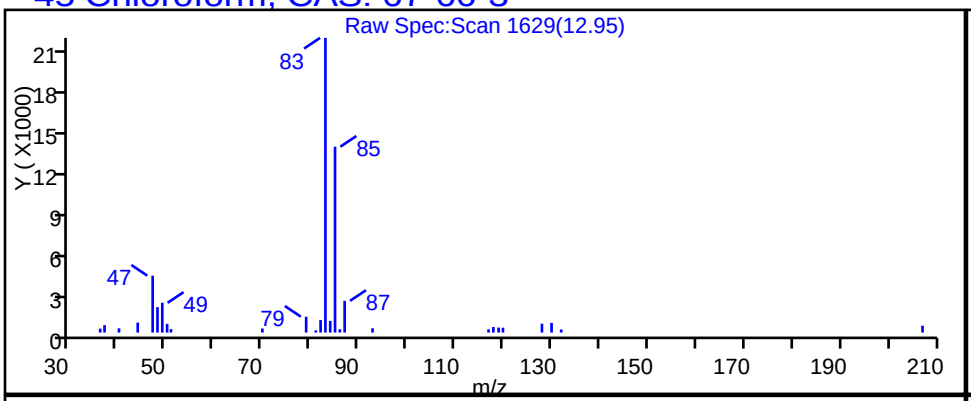
Report Date: 18-Jul-2014 10:28:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

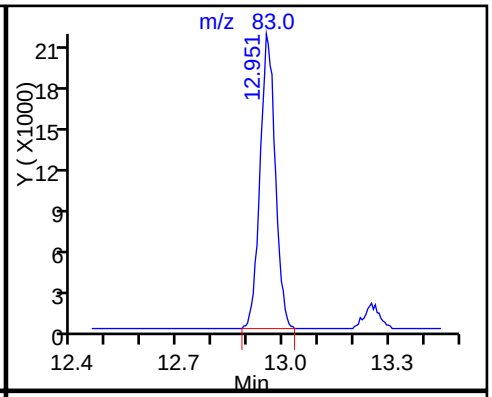
TestAmerica Burlington

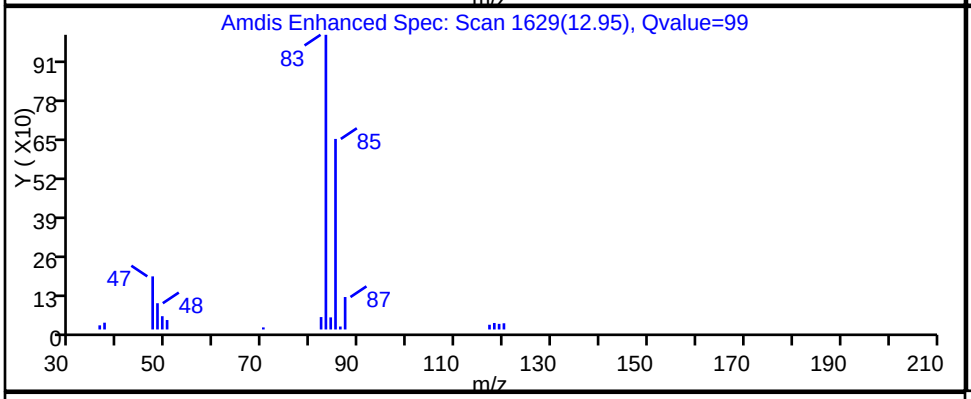
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d

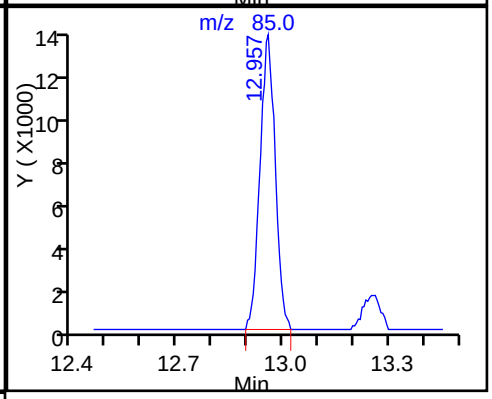
Injection Date:	17-Jul-2014 18:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-6	Lab Sample ID:	200-23187-6		
Client ID:	SDS-1				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

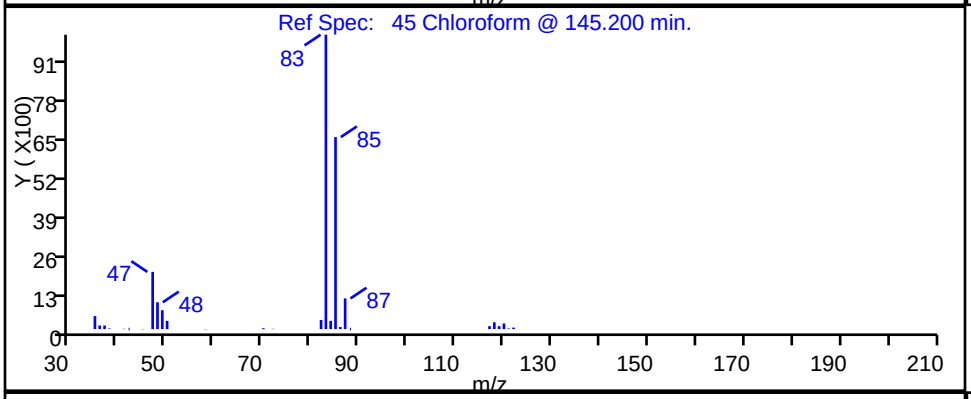
45 Chloroform, CAS: 67-66-3

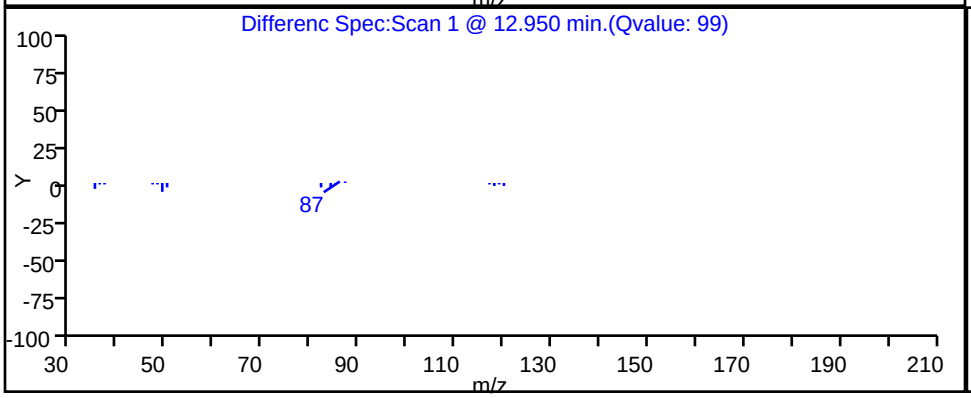


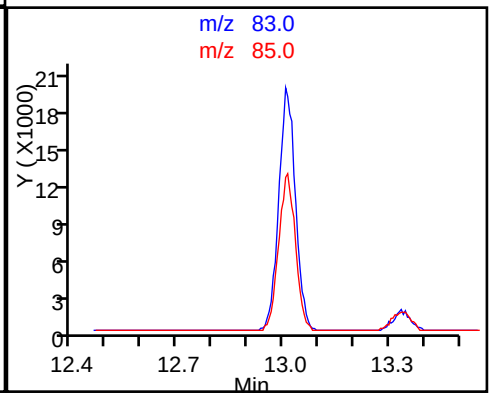












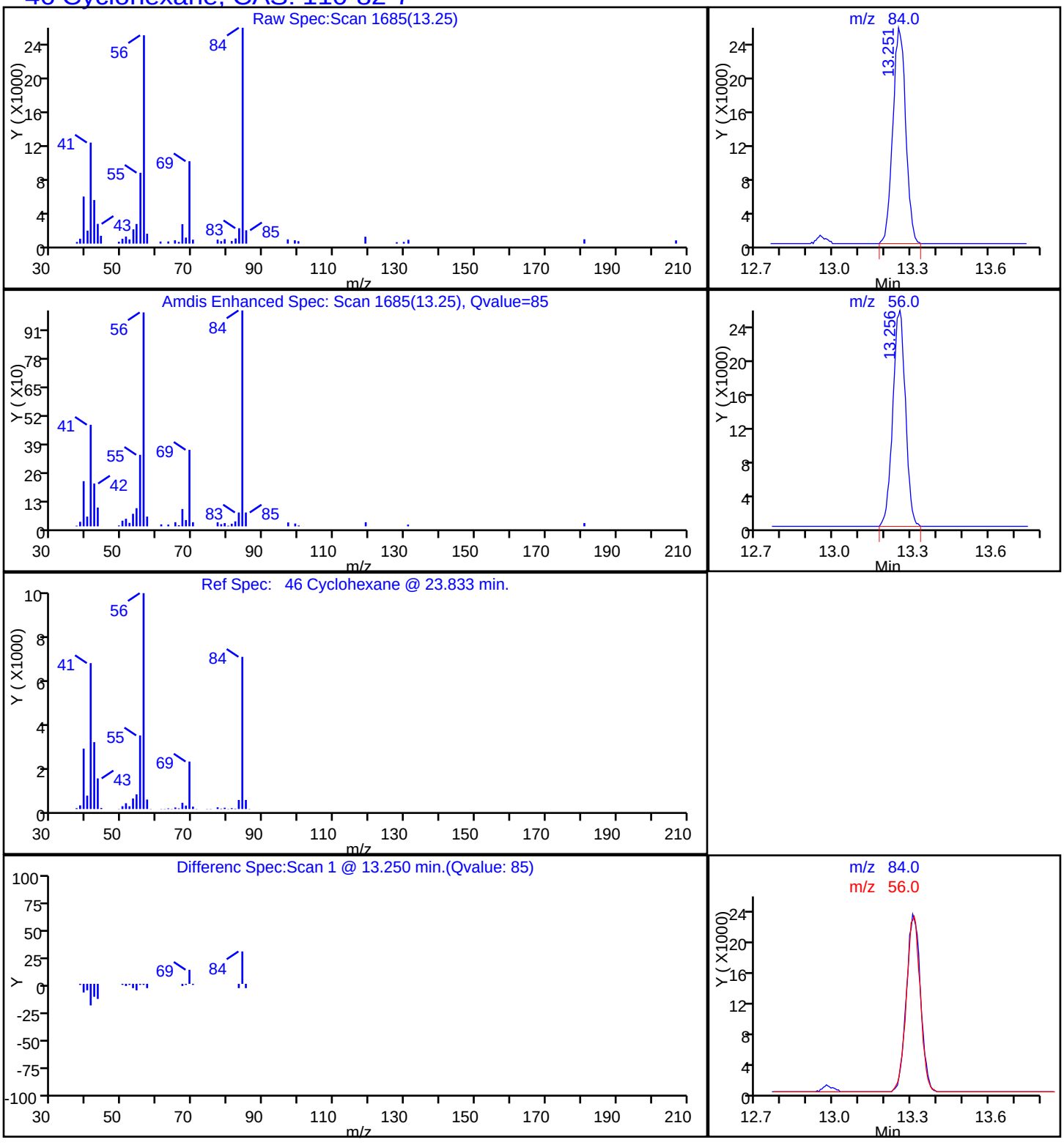
Report Date: 18-Jul-2014 10:28:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d

Injection Date:	17-Jul-2014 18:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-6	Lab Sample ID:	200-23187-6		
Client ID:	SDS-1				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



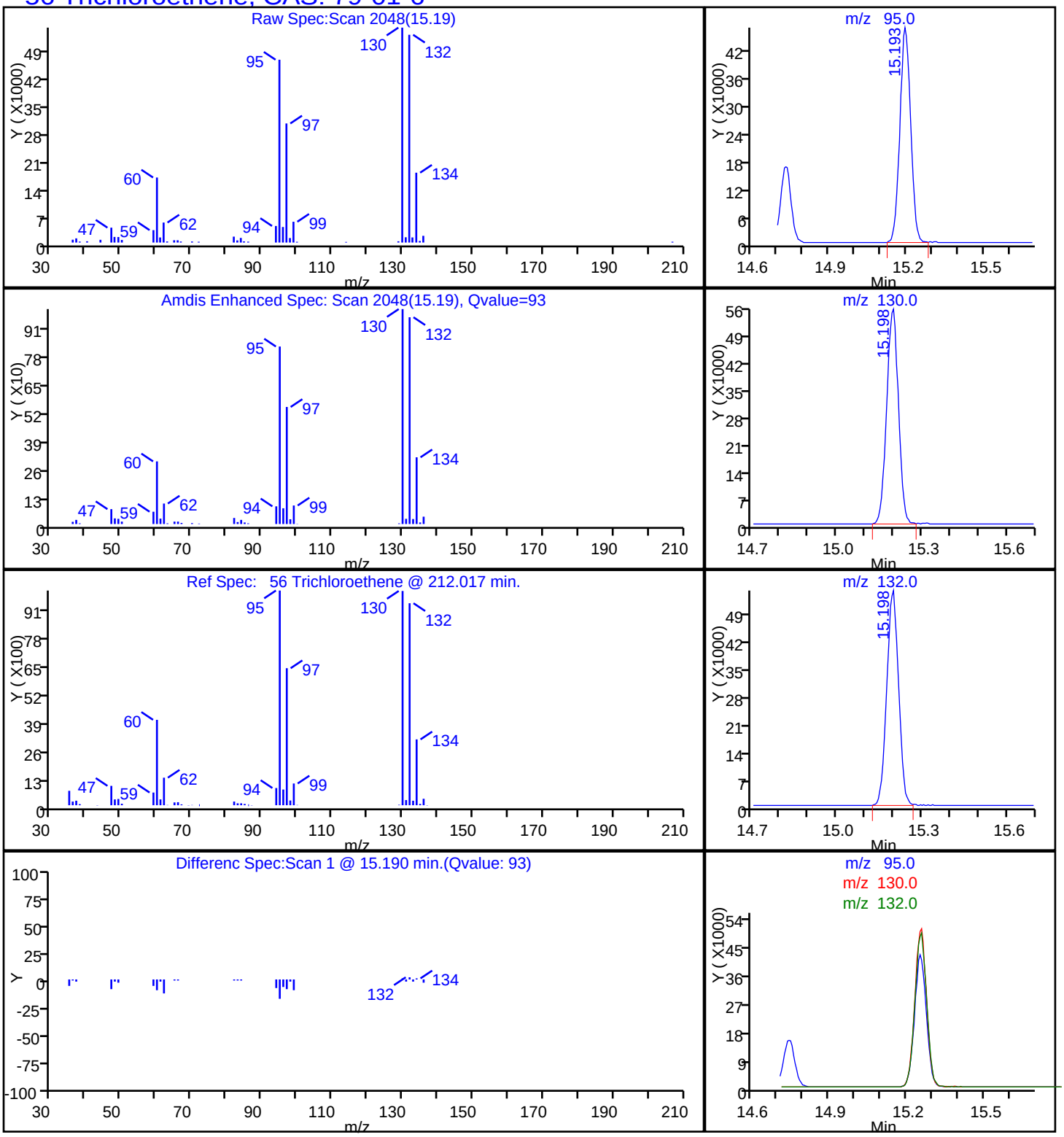
Report Date: 18-Jul-2014 10:28:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d

Injection Date:	17-Jul-2014 18:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-6	Lab Sample ID:	200-23187-6		
Client ID:	SDS-1				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



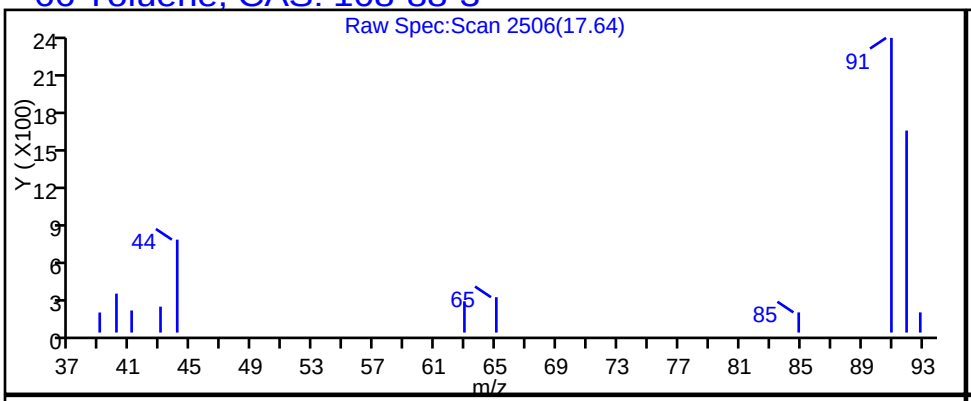
Report Date: 18-Jul-2014 10:28:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

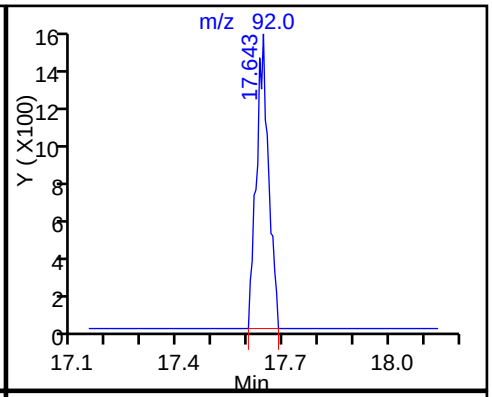
TestAmerica Burlington

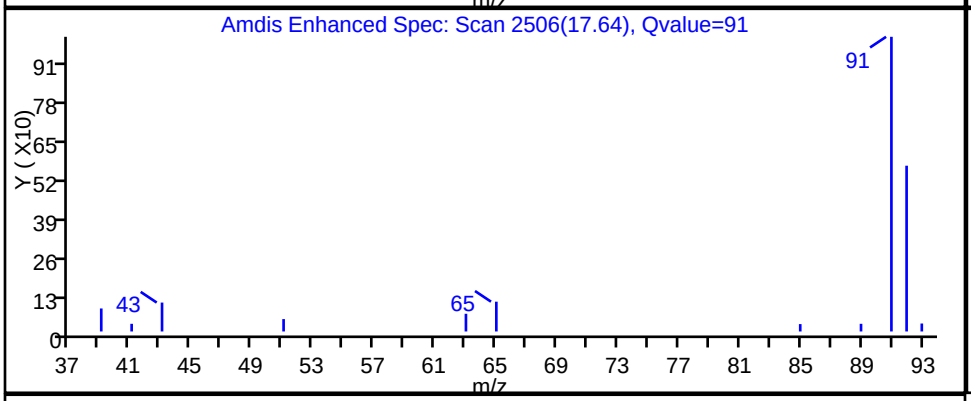
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d

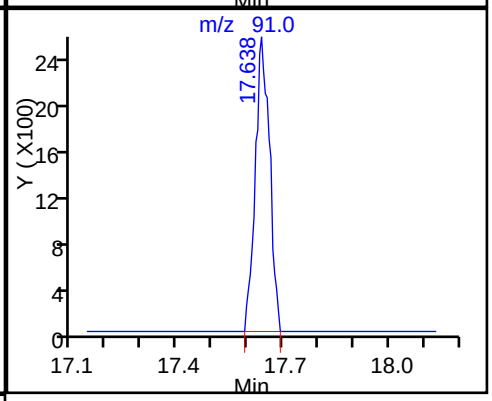
Injection Date:	17-Jul-2014 18:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-6	Lab Sample ID:	200-23187-6		
Client ID:	SDS-1				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

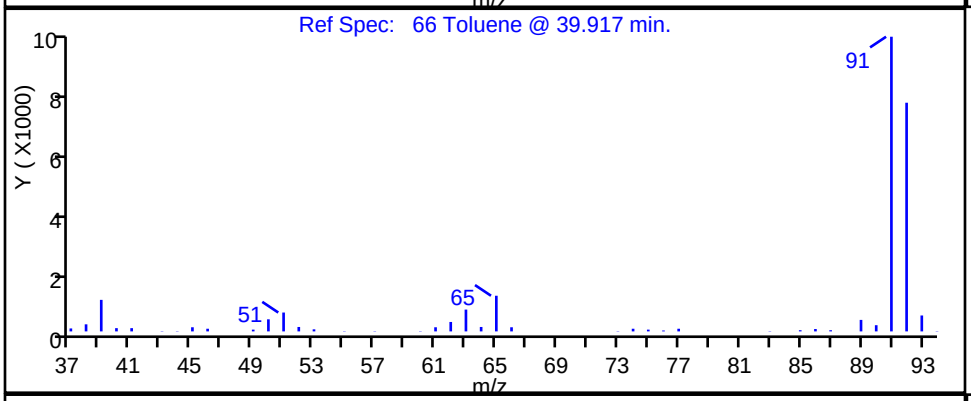
66 Toluene, CAS: 108-88-3

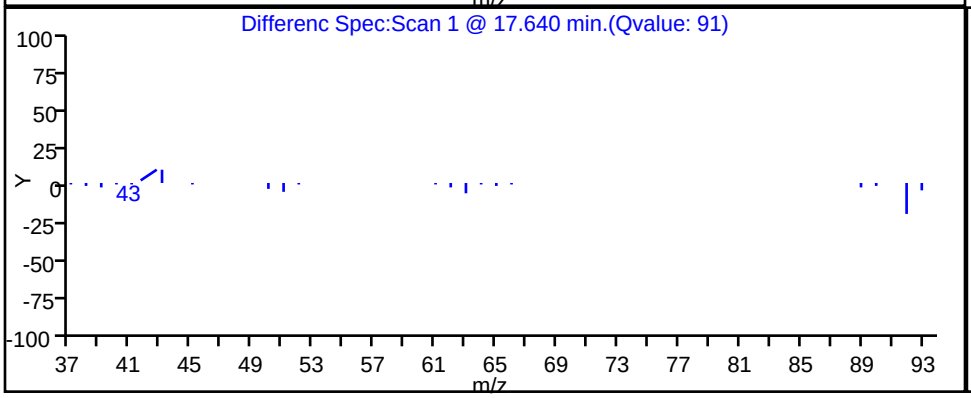


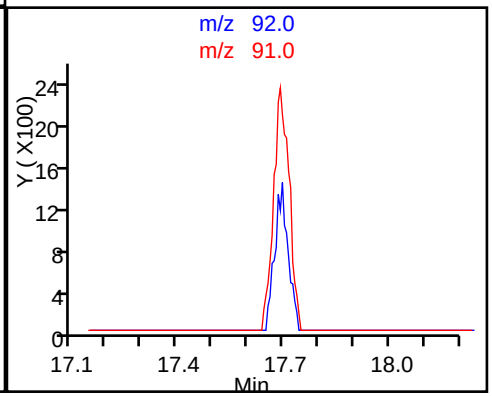












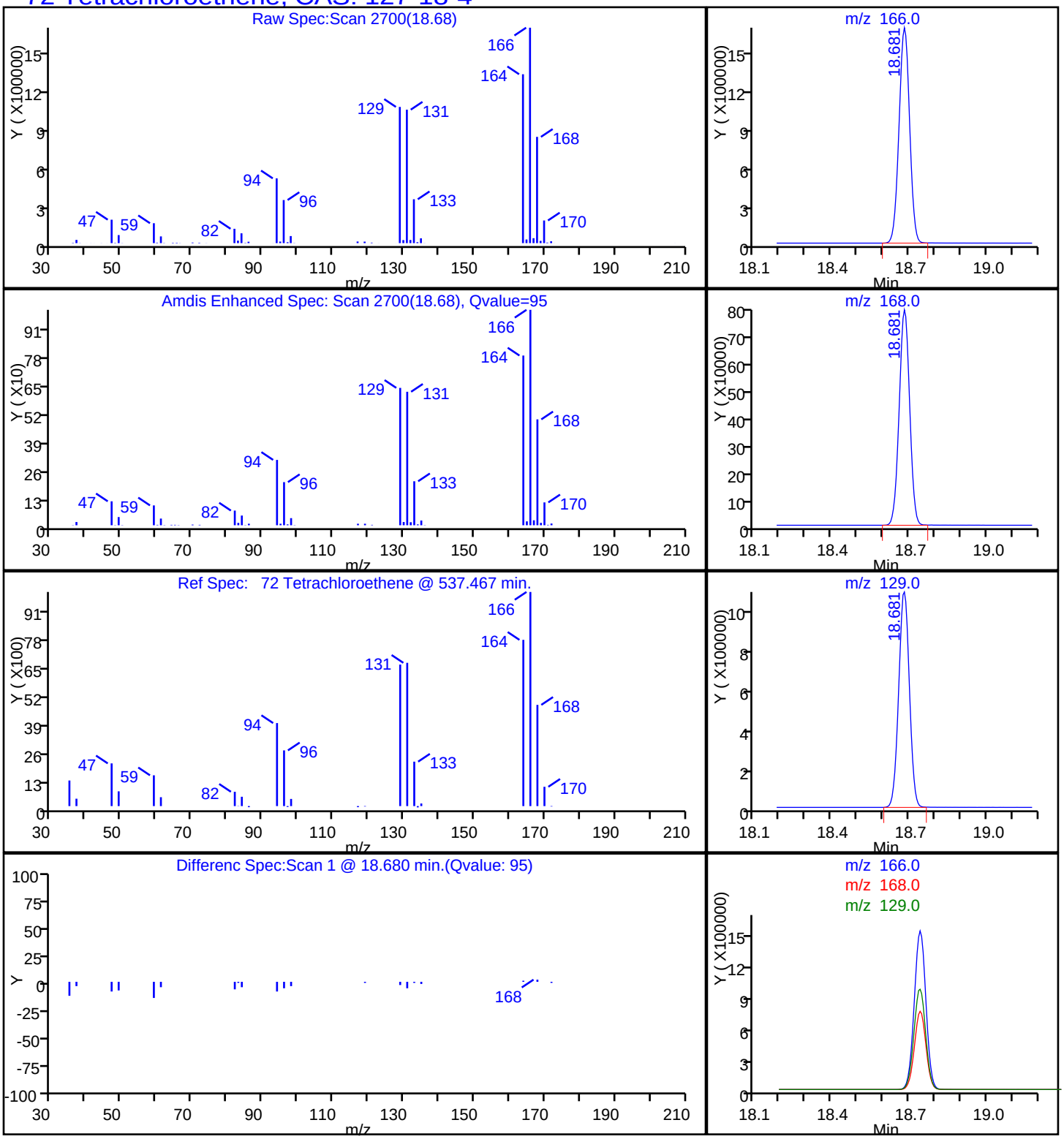
Report Date: 18-Jul-2014 10:28:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d

Injection Date:	17-Jul-2014 18:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-6	Lab Sample ID:	200-23187-6		
Client ID:	SDS-1				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



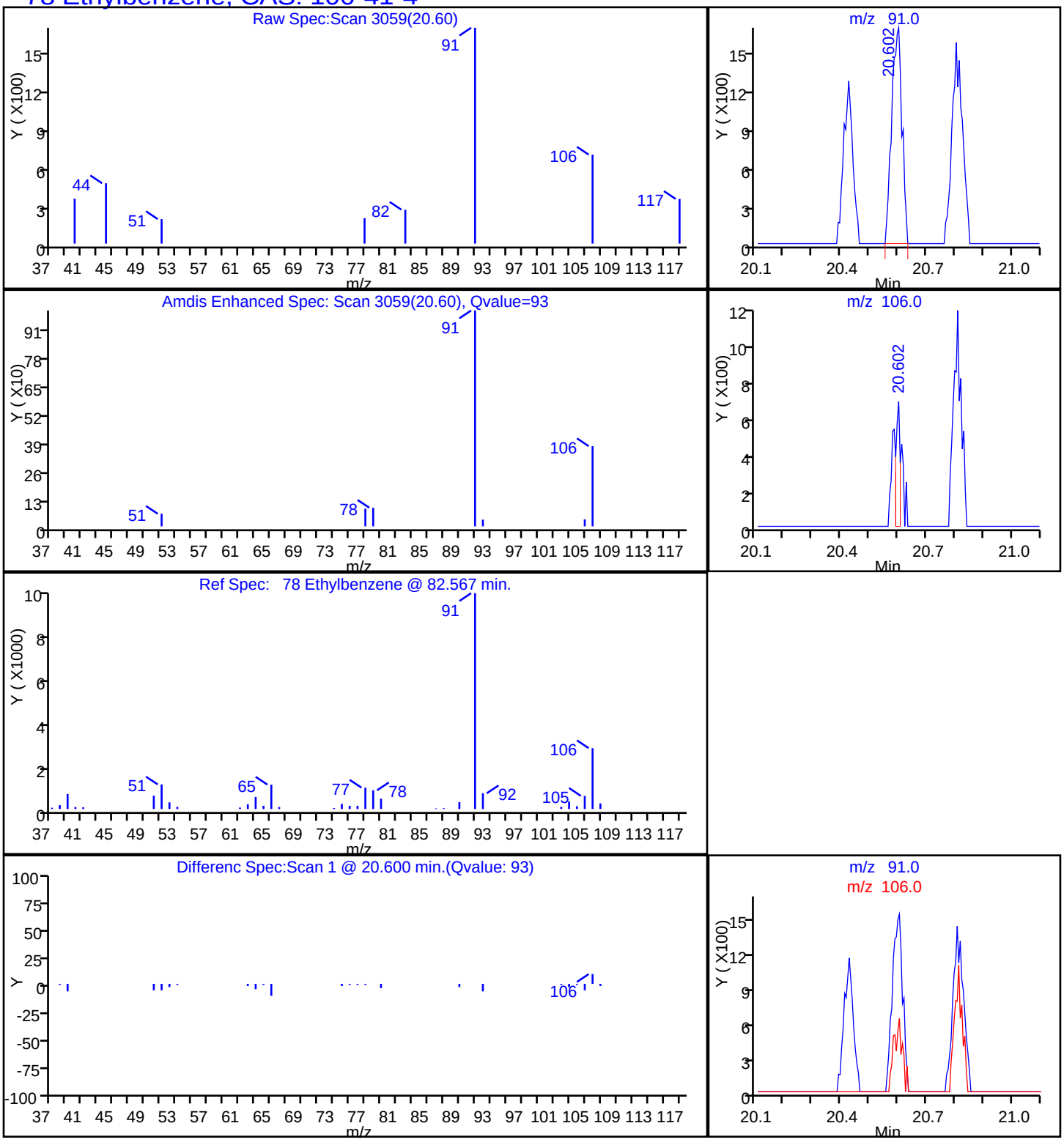
Report Date: 18-Jul-2014 10:28:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d

Injection Date:	17-Jul-2014 18:21:30	Instrument ID:	CHW.i
Lims ID:	200-23187-A-6	Lab Sample ID:	200-23187-6
Client ID:	SDS-1		
Operator ID:	bl	ALS Bottle#:	9 Worklist Smp#: 10
Purge Vol:	200.000 mL	Dil. Factor:	5.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

78 Ethylbenzene, CAS: 100-41-4



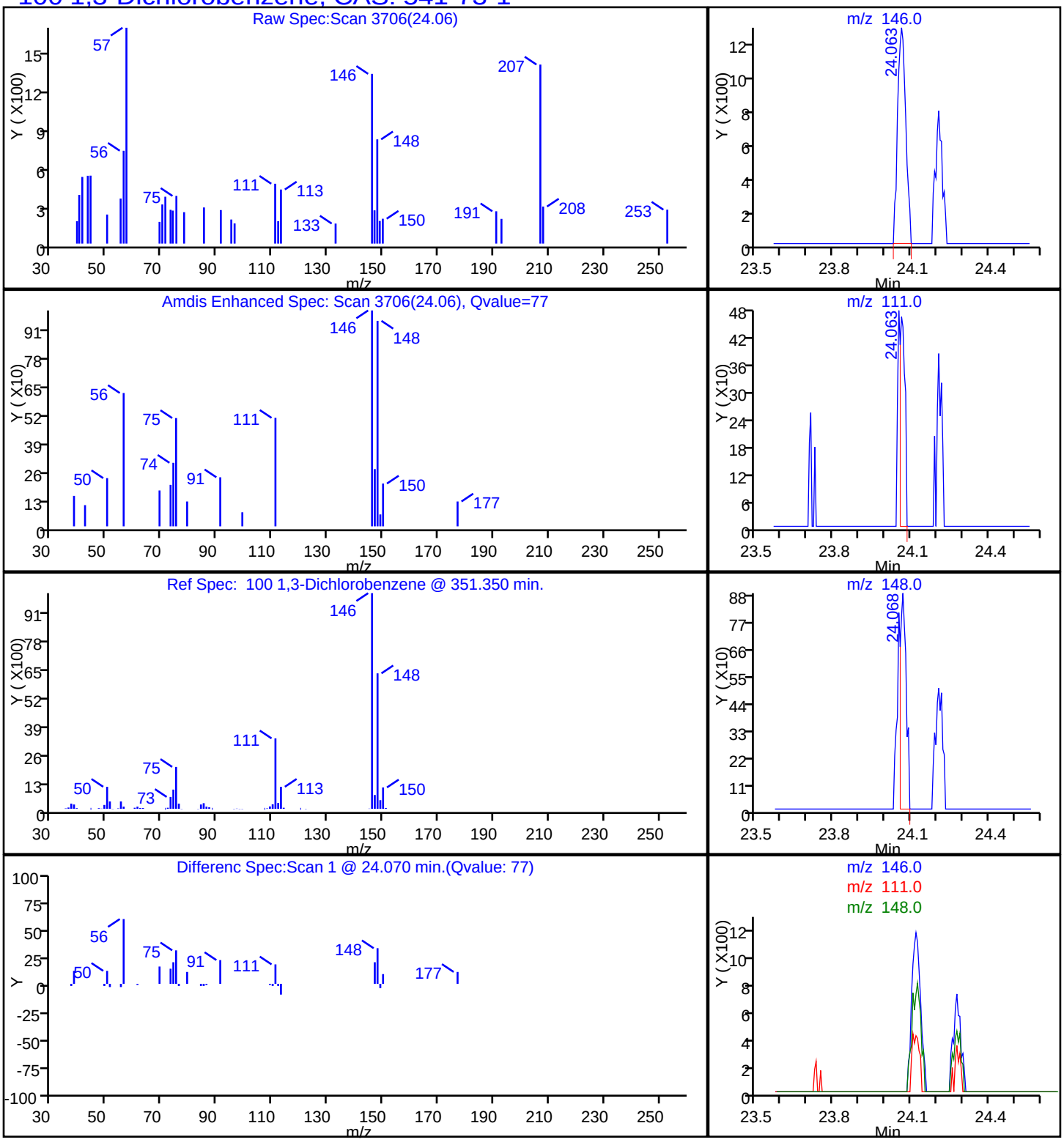
Report Date: 18-Jul-2014 10:28:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_010.d

Injection Date:	17-Jul-2014 18:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-6	Lab Sample ID:	200-23187-6		
Client ID:	SDS-1				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-2 Lab Sample ID: 200-23187-7

Matrix: Air Lab File ID: 8602_011.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:34

Sample wt/vol: 25(mL) Date Analyzed: 07/17/2014 19:09

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	7.4		4.0	0.24
75-45-6	Freon 22	86.47	4.0	U	4.0	0.38
76-14-2	Freon-114	170.92	1.6	U	1.6	0.28
74-87-3	Chloromethane	50.49	4.0	U	4.0	1.1
106-97-8	n-Butane	58.12	4.0	U	4.0	2.3
75-01-4	Vinyl chloride	62.50	0.32	U	0.32	0.30
106-99-0	1,3-Butadiene	54.09	1.6	U	1.6	0.34
74-83-9	Bromomethane	94.94	1.6	U	1.6	0.22
75-00-3	Chloroethane	64.52	4.0	U	4.0	0.24
593-60-2	Vinyl bromide	106.96	1.6	U	1.6	0.24
75-69-4	Freon 11	137.37	1.1	J	1.6	0.24
76-13-1	Freon 113	187.38	1.6	U	1.6	0.14
75-35-4	1,1-Dichloroethene	96.94	1.6	U	1.6	0.19
67-64-1	Acetone	58.08	11	J	40	10
67-63-0	Isopropyl alcohol	60.10	200		40	1.7
75-15-0	Carbon disulfide	76.14	4.0	U	4.0	0.53
107-05-1	Allyl chloride	76.53	4.0	U	4.0	0.27
75-09-2	Methylene Chloride	84.93	2.7	J	4.0	1.0
75-65-0	tert-Butyl alcohol	74.12	40	U	40	2.6
1634-04-4	Methyl tert-butyl ether	88.15	1.6	U	1.6	0.18
156-60-5	trans-1,2-Dichloroethene	96.94	1.6	U	1.6	0.23
110-54-3	Hexane	86.17	1.6	U	1.6	0.27
75-34-3	1,1-Dichloroethane	98.96	1.6	U	1.6	0.30
78-93-3	Methyl Ethyl Ketone	72.11	4.0	U	4.0	1.9
156-59-2	cis-1,2-Dichloroethene	96.94	1.6	U	1.6	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	0.51
67-66-3	Chloroform	119.38	1.6	U	1.6	0.20
109-99-9	Tetrahydrofuran	72.11	40	U	40	0.37
71-55-6	1,1,1-Trichloroethane	133.41	2.4		1.6	0.17
110-82-7	Cyclohexane	84.16	6.8		1.6	0.20
56-23-5	Carbon tetrachloride	153.81	0.32	U	0.32	0.17
540-84-1	2,2,4-Trimethylpentane	114.23	1.6	U	1.6	0.22
71-43-2	Benzene	78.11	1.6	U	1.6	0.15
107-06-2	1,2-Dichloroethane	98.96	1.6	U	1.6	0.14
142-82-5	Heptane	100.21	1.6	U	1.6	0.37

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-2 Lab Sample ID: 200-23187-7

Matrix: Air Lab File ID: 8602_011.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:34

Sample wt/vol: 25(mL) Date Analyzed: 07/17/2014 19:09

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	4.7		0.32	0.19
80-62-6	Methyl methacrylate	100.12	4.0	U	4.0	0.24
78-87-5	1,2-Dichloropropane	112.99	1.6	U	1.6	0.26
123-91-1	1,4-Dioxane	88.11	40	U	40	1.6
75-27-4	Bromodichloromethane	163.83	1.6	U	1.6	0.14
10061-01-5	cis-1,3-Dichloropropene	110.97	1.6	U	1.6	0.22
108-10-1	methyl isobutyl ketone	100.16	4.0	U	4.0	0.22
108-88-3	Toluene	92.14	1.6	U	1.6	0.14
10061-02-6	trans-1,3-Dichloropropene	110.97	1.6	U	1.6	0.18
79-00-5	1,1,2-Trichloroethane	133.41	1.6	U	1.6	0.14
127-18-4	Tetrachloroethene	165.83	8.9		1.6	0.13
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.0	U	4.0	1.6
124-48-1	Dibromochloromethane	208.29	1.6	U	1.6	0.16
106-93-4	1,2-Dibromoethane	187.87	1.6	U	1.6	0.16
108-90-7	Chlorobenzene	112.56	1.6	U	1.6	0.065
100-41-4	Ethylbenzene	106.17	0.13	J	1.6	0.10
179601-23-1	m,p-Xylene	106.17	0.20	J	4.0	0.18
95-47-6	Xylene, o-	106.17	1.6	U	1.6	0.13
1330-20-7	Xylene (total)	106.17	1.6	U	1.6	0.27
100-42-5	Styrene	104.15	1.6	U	1.6	0.14
75-25-2	Bromoform	252.75	1.6	U	1.6	0.080
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.6	U	1.6	0.13
103-65-1	n-Propylbenzene	120.19	1.6	U	1.6	0.64
622-96-8	4-Ethyltoluene	120.20	1.6	U	1.6	0.14
108-67-8	1,3,5-Trimethylbenzene	120.20	1.6	U	1.6	0.096
95-49-8	2-Chlorotoluene	126.59	1.6	U	1.6	0.10
98-06-6	tert-Butylbenzene	134.22	1.6	U	1.6	0.14
95-63-6	1,2,4-Trimethylbenzene	120.20	1.6	U	1.6	0.11
135-98-8	sec-Butylbenzene	134.22	1.6	U	1.6	0.64
99-87-6	4-Isopropyltoluene	134.22	1.6	U	1.6	0.64
541-73-1	1,3-Dichlorobenzene	147.00	1.6	U	1.6	0.11
106-46-7	1,4-Dichlorobenzene	147.00	1.6	U	1.6	0.11
100-44-7	Benzyl chloride	126.58	1.6	U	1.6	0.64
104-51-8	n-Butylbenzene	134.22	1.6	U	1.6	0.64

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-2 Lab Sample ID: 200-23187-7

Matrix: Air Lab File ID: 8602_011.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:34

Sample wt/vol: 25(mL) Date Analyzed: 07/17/2014 19:09

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.6	U	1.6	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	4.0	U	4.0	0.22
87-68-3	Hexachloro-1,3-butadiene	260.76	1.6	U	1.6	0.18
91-20-3	Naphthalene	128.17	4.0	U	4.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-2 Lab Sample ID: 200-23187-7

Matrix: Air Lab File ID: 8602_011.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:34

Sample wt/vol: 25(mL) Date Analyzed: 07/17/2014 19:09

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	37		20	1.2
75-45-6	Freon 22	86.47	14	U	14	1.4
76-14-2	Freon-114	170.92	11	U	11	2.0
74-87-3	Chloromethane	50.49	8.3	U	8.3	2.2
106-97-8	n-Butane	58.12	9.5	U	9.5	5.4
75-01-4	Vinyl chloride	62.50	0.82	U	0.82	0.78
106-99-0	1,3-Butadiene	54.09	3.5	U	3.5	0.74
74-83-9	Bromomethane	94.94	6.2	U	6.2	0.87
75-00-3	Chloroethane	64.52	11	U	11	0.63
593-60-2	Vinyl bromide	106.96	7.0	U	7.0	1.0
75-69-4	Freon 11	137.37	6.2	J	9.0	1.3
76-13-1	Freon 113	187.38	12	U	12	1.1
75-35-4	1,1-Dichloroethene	96.94	6.3	U	6.3	0.76
67-64-1	Acetone	58.08	26	J	95	24
67-63-0	Isopropyl alcohol	60.10	480		98	4.2
75-15-0	Carbon disulfide	76.14	12	U	12	1.6
107-05-1	Allyl chloride	76.53	13	U	13	0.85
75-09-2	Methylene Chloride	84.93	9.3	J	14	3.5
75-65-0	tert-Butyl alcohol	74.12	120	U	120	8.0
1634-04-4	Methyl tert-butyl ether	88.15	5.8	U	5.8	0.63
156-60-5	trans-1,2-Dichloroethene	96.94	6.3	U	6.3	0.92
110-54-3	Hexane	86.17	5.6	U	5.6	0.96
75-34-3	1,1-Dichloroethane	98.96	6.5	U	6.5	1.2
78-93-3	Methyl Ethyl Ketone	72.11	12	U	12	5.7
156-59-2	cis-1,2-Dichloroethene	96.94	6.3	U	6.3	1.2
540-59-0	1,2-Dichloroethene, Total	96.94	6.3	U	6.3	2.0
67-66-3	Chloroform	119.38	7.8	U	7.8	0.98
109-99-9	Tetrahydrofuran	72.11	120	U	120	1.1
71-55-6	1,1,1-Trichloroethane	133.41	13		8.7	0.92
110-82-7	Cyclohexane	84.16	23		5.5	0.69
56-23-5	Carbon tetrachloride	153.81	2.0	U	2.0	1.1
540-84-1	2,2,4-Trimethylpentane	114.23	7.5	U	7.5	1.0
71-43-2	Benzene	78.11	5.1	U	5.1	0.49
107-06-2	1,2-Dichloroethane	98.96	6.5	U	6.5	0.55
142-82-5	Heptane	100.21	6.6	U	6.6	1.5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-2 Lab Sample ID: 200-23187-7

Matrix: Air Lab File ID: 8602_011.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:34

Sample wt/vol: 25(mL) Date Analyzed: 07/17/2014 19:09

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	25		1.7	1.0
80-62-6	Methyl methacrylate	100.12	16	U	16	0.98
78-87-5	1,2-Dichloropropane	112.99	7.4	U	7.4	1.2
123-91-1	1,4-Dioxane	88.11	140	U	140	5.8
75-27-4	Bromodichloromethane	163.83	11	U	11	0.91
10061-01-5	cis-1,3-Dichloropropene	110.97	7.3	U	7.3	1.0
108-10-1	methyl isobutyl ketone	100.16	16	U	16	0.88
108-88-3	Toluene	92.14	6.0	U	6.0	0.51
10061-02-6	trans-1,3-Dichloropropene	110.97	7.3	U	7.3	0.80
79-00-5	1,1,2-Trichloroethane	133.41	8.7	U	8.7	0.74
127-18-4	Tetrachloroethene	165.83	60		11	0.87
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	16	U	16	6.6
124-48-1	Dibromochloromethane	208.29	14	U	14	1.4
106-93-4	1,2-Dibromoethane	187.87	12	U	12	1.2
108-90-7	Chlorobenzene	112.56	7.4	U	7.4	0.30
100-41-4	Ethylbenzene	106.17	0.55	J	6.9	0.45
179601-23-1	m,p-Xylene	106.17	0.88	J	17	0.80
95-47-6	Xylene, o-	106.17	6.9	U	6.9	0.56
1330-20-7	Xylene (total)	106.17	6.9	U	6.9	1.2
100-42-5	Styrene	104.15	6.8	U	6.8	0.61
75-25-2	Bromoform	252.75	17	U	17	0.83
79-34-5	1,1,2,2-Tetrachloroethane	167.85	11	U	11	0.88
103-65-1	n-Propylbenzene	120.19	7.9	U	7.9	3.1
622-96-8	4-Ethyltoluene	120.20	7.9	U	7.9	0.71
108-67-8	1,3,5-Trimethylbenzene	120.20	7.9	U	7.9	0.47
95-49-8	2-Chlorotoluene	126.59	8.3	U	8.3	0.54
98-06-6	tert-Butylbenzene	134.22	8.8	U	8.8	0.75
95-63-6	1,2,4-Trimethylbenzene	120.20	7.9	U	7.9	0.55
135-98-8	sec-Butylbenzene	134.22	8.8	U	8.8	3.5
99-87-6	4-Isopropyltoluene	134.22	8.8	U	8.8	3.5
541-73-1	1,3-Dichlorobenzene	147.00	9.6	U	9.6	0.67
106-46-7	1,4-Dichlorobenzene	147.00	9.6	U	9.6	0.67
100-44-7	Benzyl chloride	126.58	8.3	U	8.3	3.3
104-51-8	n-Butylbenzene	134.22	8.8	U	8.8	3.5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-2 Lab Sample ID: 200-23187-7

Matrix: Air Lab File ID: 8602_011.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:34

Sample wt/vol: 25(mL) Date Analyzed: 07/17/2014 19:09

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.6	U	9.6	0.67
120-82-1	1,2,4-Trichlorobenzene	181.45	30	U	30	1.6
87-68-3	Hexachloro-1,3-butadiene	260.76	17	U	17	1.9
91-20-3	Naphthalene	128.17	21	U	21	8.4

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_011.d
Lims ID: 200-23187-A-7 Lab Sample ID: 200-23187-7
Client ID: SDS-2
Sample Type: Client
Inject. Date: 17-Jul-2014 19:09:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 8.0000
Sample Info: 200-0008602-011
Misc. Info.: 200-23187-A-7
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Jul-2014 10:22:41 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 18-Jul-2014 10:22:43

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85	4.493	4.488	0.005	99	95785	0.9268	
	6 Chlorodifluoromethane	51		4.552				ND	
	7 1,2-Dichloro-1,1,2,2-tetra	85		4.836				ND	
	8 Chloromethane	50		5.034				ND	
	9 Butane	43		5.291				ND	
	10 Vinyl chloride	62		5.349				ND	
	11 Butadiene	54		5.446				ND	
	12 Bromomethane	94		6.318				ND	
	14 Chloroethane	64		6.601				ND	
	16 Vinyl bromide	106		7.077				ND	
	17 Trichlorofluoromethane	101	7.190	7.190	0.000	98	15695	0.1376	
	23 1,1,2-Trichloro-1,2,2-trif	101		8.436				ND	
	24 1,1-Dichloroethene	96		8.511				ND	
	25 Acetone	43	8.746	8.741	0.005	89	74237	1.38	
	26 Carbon disulfide	76		9.003				ND	
	27 Isopropyl alcohol	45	9.019	9.025	-0.006	98	1121221	24.6	
	29 3-Chloro-1-propene	41		9.399				ND	
	31 Methylene Chloride	49	9.736	9.731	0.005	84	12421	0.3356	
	32 2-Methyl-2-propanol	59		9.897				ND	
	33 Methyl tert-butyl ether	73		10.148				ND	
S	41 1,2-Dichloroethene, Total	61		10.200				0	
	34 trans-1,2-Dichloroethene	61		10.228				ND	
	36 Hexane	57		10.640				ND	
	37 1,1-Dichloroethane	63		11.191				ND	
	39 cis-1,2-Dichloroethene	96		12.363				ND	
	40 2-Butanone (MEK)	72		12.379				ND	
	44 Tetrahydrofuran	42		12.839				ND	
*	43 Chlorobromomethane	128	12.844	12.850	-0.006	77	353464	10.0	
	45 Chloroform	83		12.957				ND	
	46 Cyclohexane	84	13.256	13.256	0.000	86	54483	0.8531	
	47 1,1,1-Trichloroethane	97	13.267	13.262	0.005	63	26849	0.2949	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.524				ND	
51 Isooctane	57		13.909				ND	
50 Benzene	78		13.973				ND	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.262				ND	
* 54 1,4-Difluorobenzene	114	14.727	14.727	0.000	92	1722922	10.0	
56 Trichloroethene	95	15.193	15.198	-0.005	94	37348	0.5898	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.888				ND	
62 Dichlorobromomethane	83		16.209				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.301				ND	
66 Toluene	92		17.638				ND	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166	18.675	18.681	-0.006	97	129860	1.11	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.0297	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	82	1593225	10.0	
77 Chlorobenzene	112		20.478				ND	
78 Ethylbenzene	91	20.596	20.596	0.000	3	3570	0.0159	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	92	2449	0.0255	
83 o-Xylene	106	21.522	21.527	-0.005	1	416	0.004233	
84 Styrene	104		21.564				ND	
85 Bromoform	173		21.949				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.436	-0.010	98	1020913	NC	
88 1,1,2,2-Tetrachloroethane	83		22.666				ND	
90 N-Propylbenzene	91		22.741				ND	
91 4-Ethyltoluene	105		22.907				ND	
92 2-Chlorotoluene	91		22.945				ND	
94 1,3,5-Trimethylbenzene	105		22.998				ND	
96 tert-Butylbenzene	119		23.474				ND	
97 1,2,4-Trimethylbenzene	105		23.565				ND	
98 sec-Butylbenzene	105		23.806				ND	
99 4-Isopropyltoluene	119		24.009				ND	
100 1,3-Dichlorobenzene	146		24.079				ND	
101 1,4-Dichlorobenzene	146		24.223				ND	
102 Benzyl chloride	91		24.432				ND	
103 n-Butylbenzene	91		24.640				ND	
105 1,2-Dichlorobenzene	146		24.828				ND	
107 1,2,4-Trichlorobenzene	180		27.706				ND	
108 Hexachlorobutadiene	225		27.904				ND	
109 Naphthalene	128		28.289				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

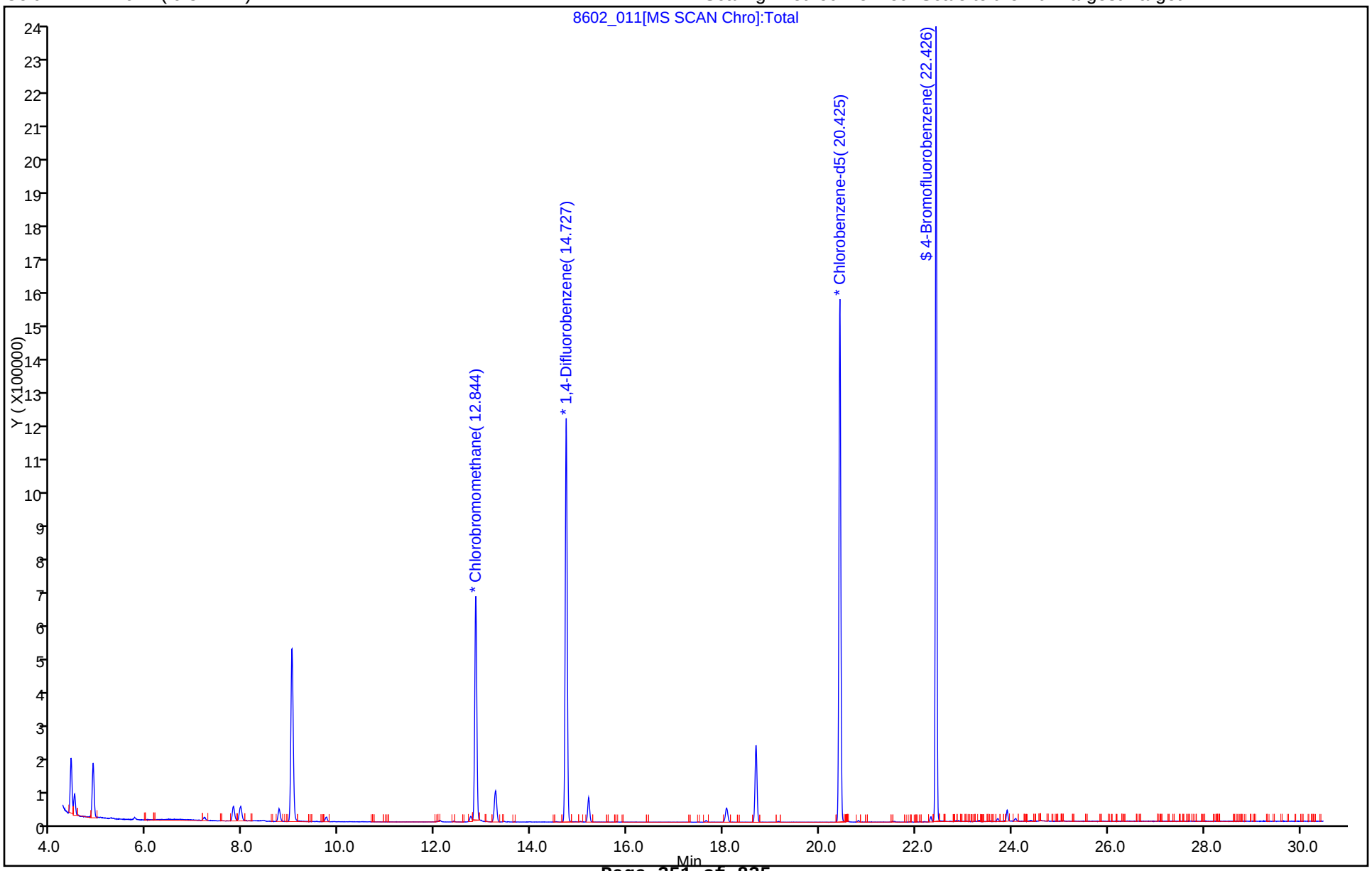
Report Date: 18-Jul-2014 10:22:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_011.d

Injection Date:	17-Jul-2014 19:09:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23187-A-7	Lab Sample ID:	200-23187-7	Worklist Smp#:	11
Client ID:	SDS-2				
Purge Vol:	200.000 mL	Dil. Factor:	8.0000	ALS Bottle#:	10
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



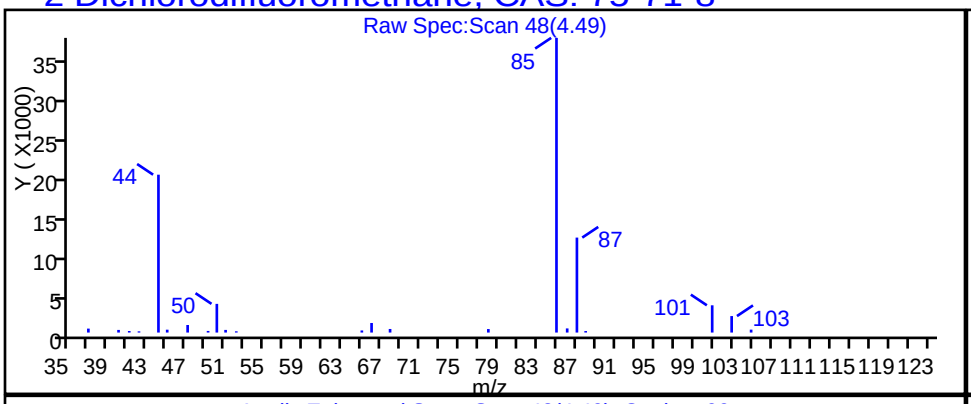
Report Date: 18-Jul-2014 10:22:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

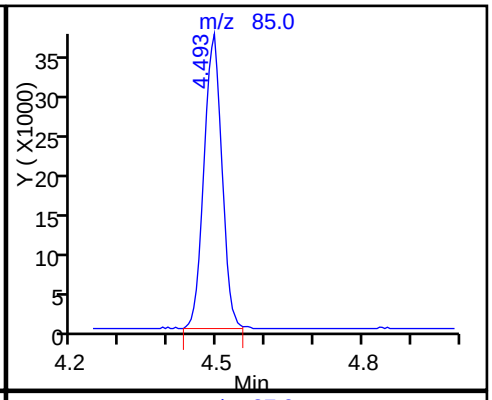
TestAmerica Burlington

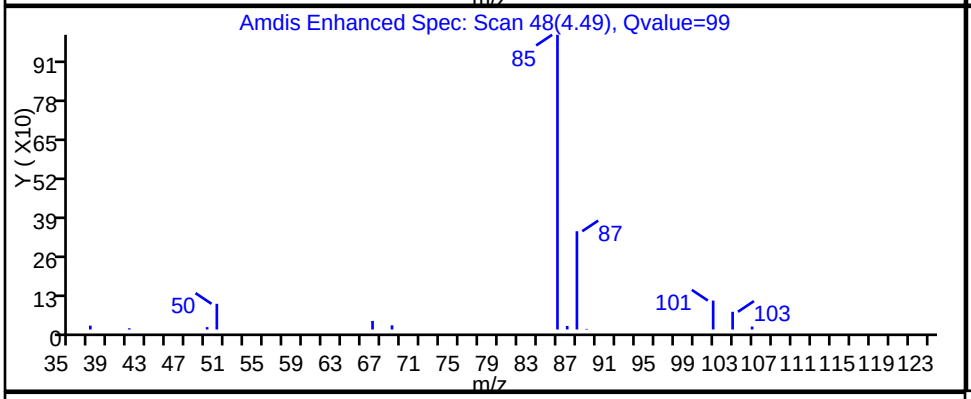
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_011.d

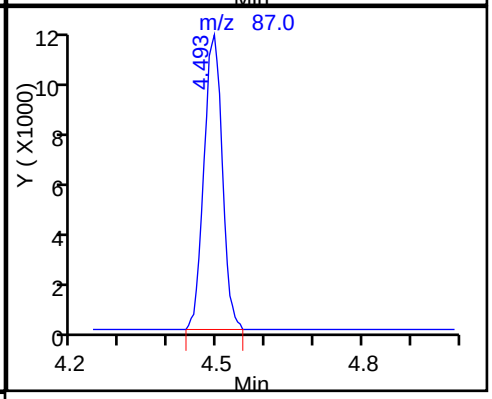
Injection Date:	17-Jul-2014 19:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-7	Lab Sample ID:	200-23187-7		
Client ID:	SDS-2				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

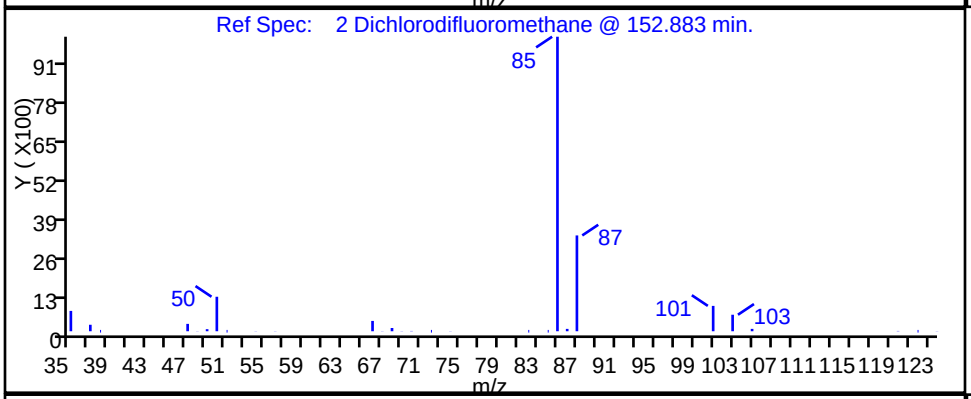
2 Dichlorodifluoromethane, CAS: 75-71-8

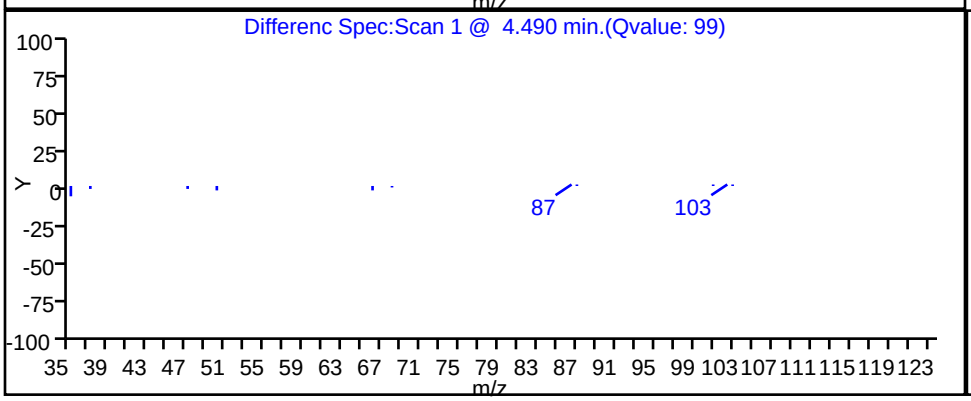


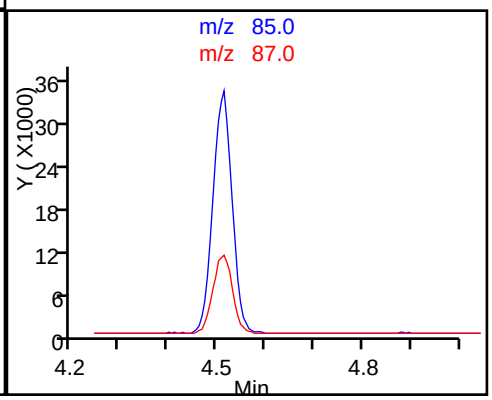












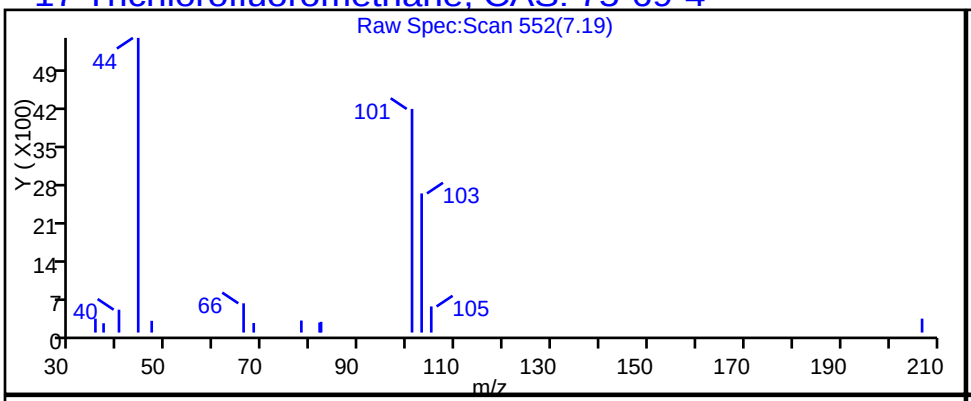
Report Date: 18-Jul-2014 10:22:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

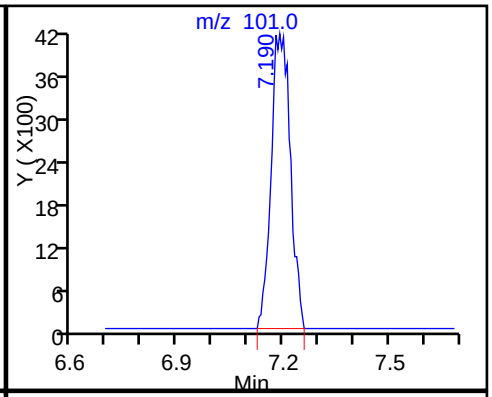
TestAmerica Burlington

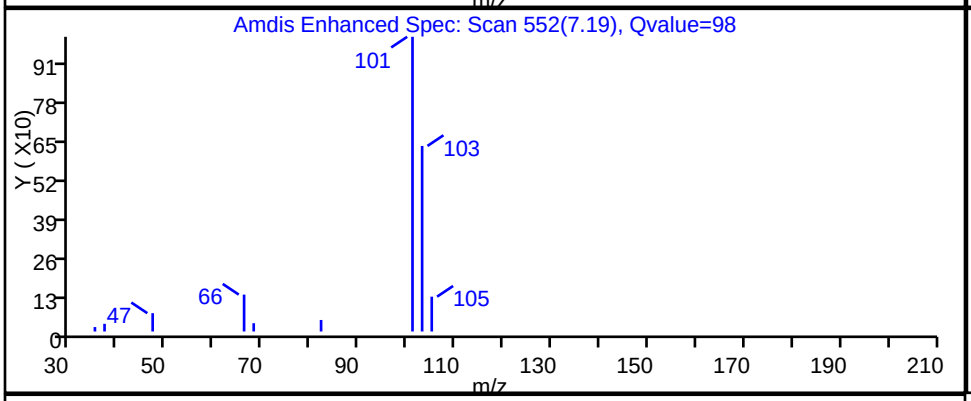
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_011.d

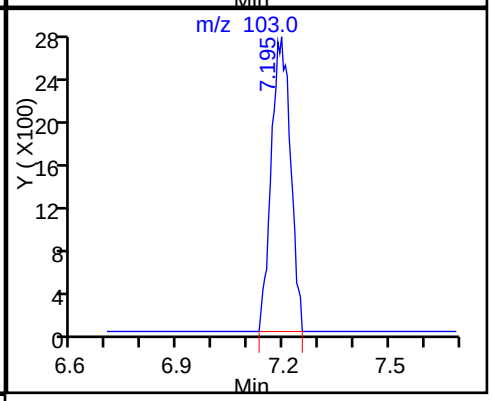
Injection Date:	17-Jul-2014 19:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-7	Lab Sample ID:	200-23187-7		
Client ID:	SDS-2				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

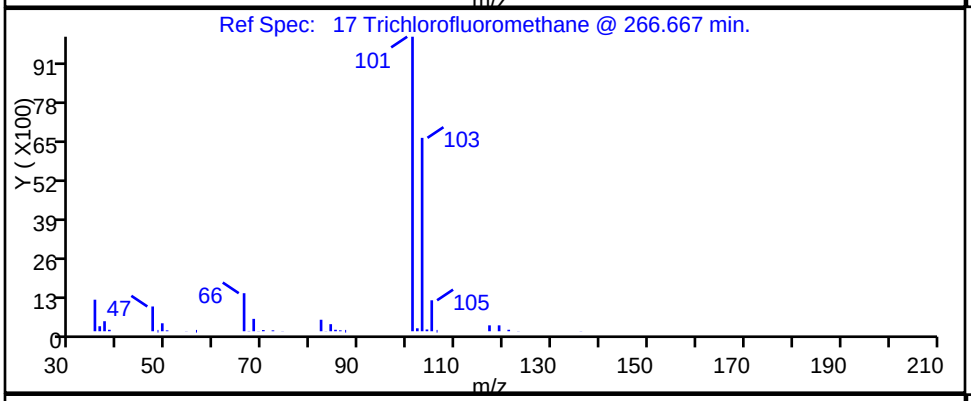
17 Trichlorofluoromethane, CAS: 75-69-4

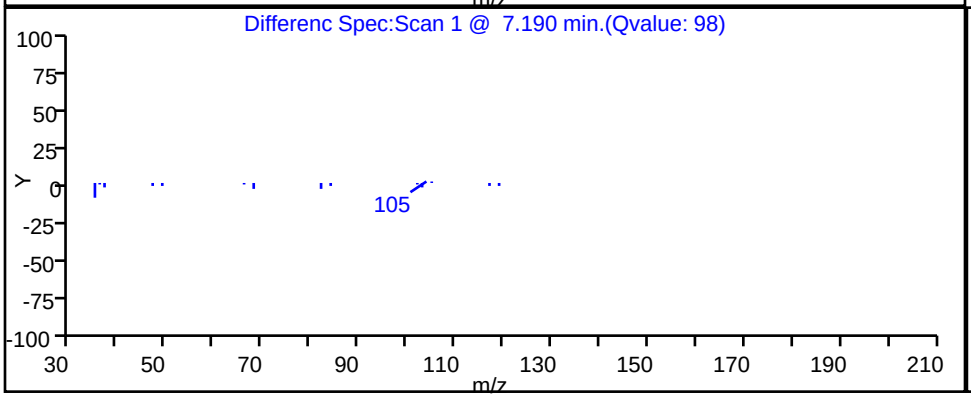


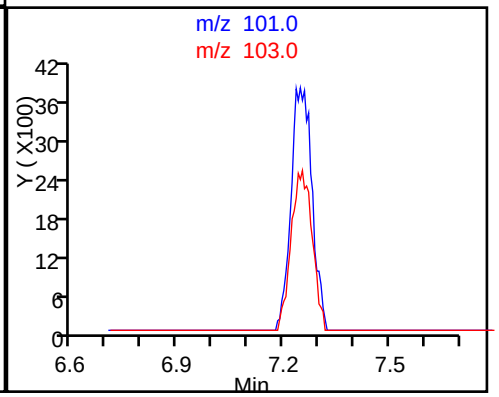












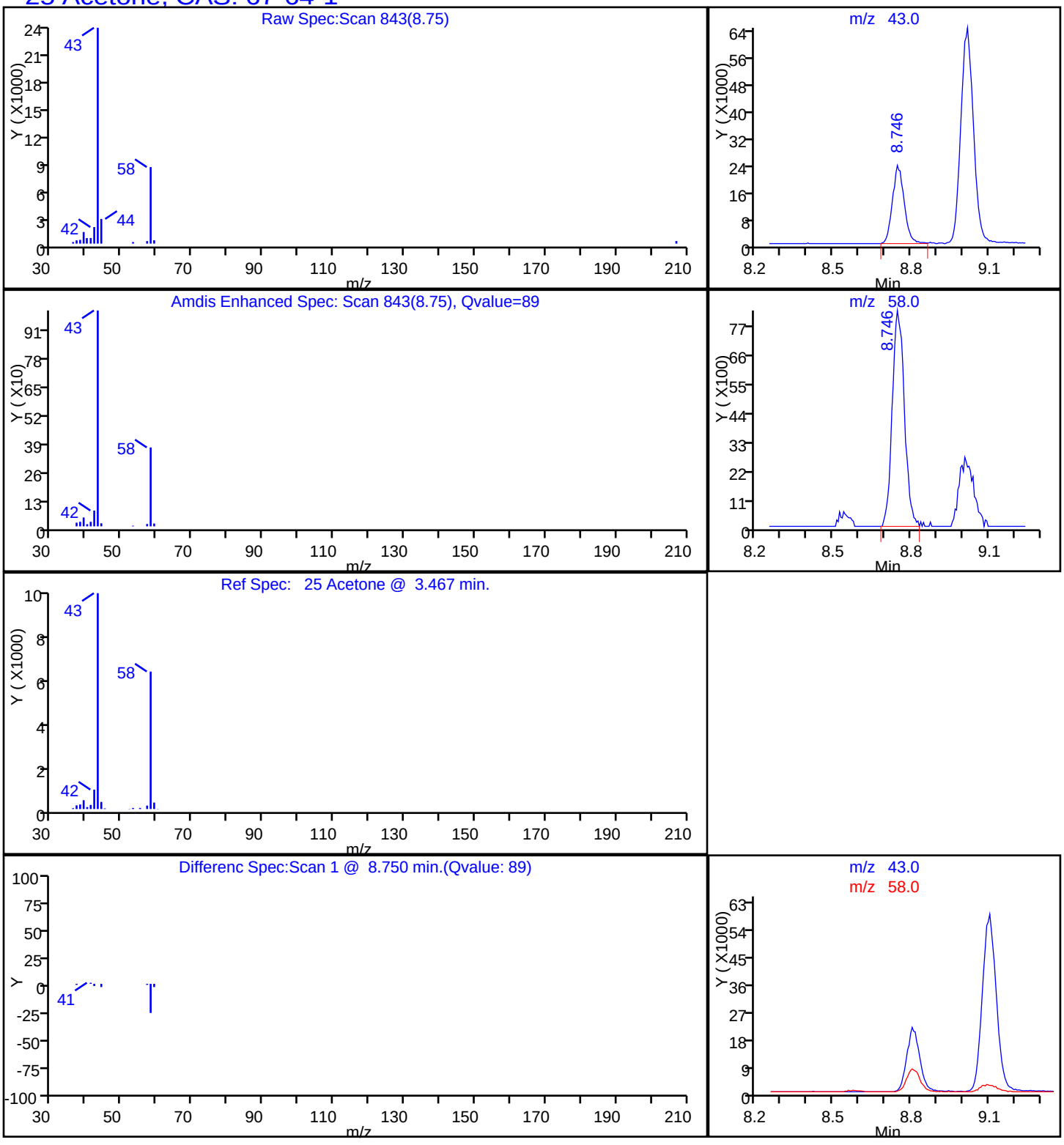
Report Date: 18-Jul-2014 10:22:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_011.d

Injection Date:	17-Jul-2014 19:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-7	Lab Sample ID:	200-23187-7		
Client ID:	SDS-2				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



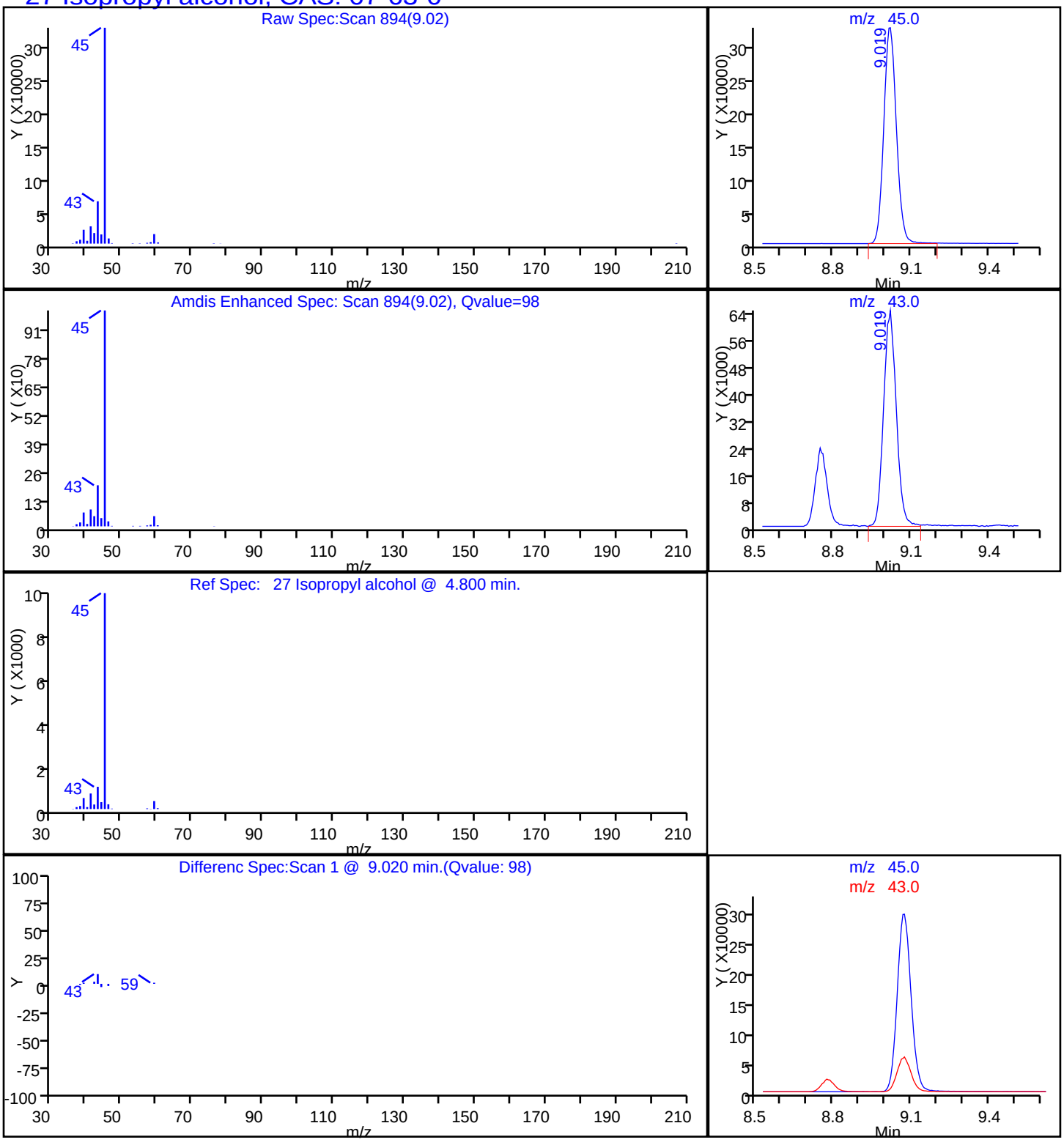
Report Date: 18-Jul-2014 10:22:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_011.d

Injection Date:	17-Jul-2014 19:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-7	Lab Sample ID:	200-23187-7		
Client ID:	SDS-2				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



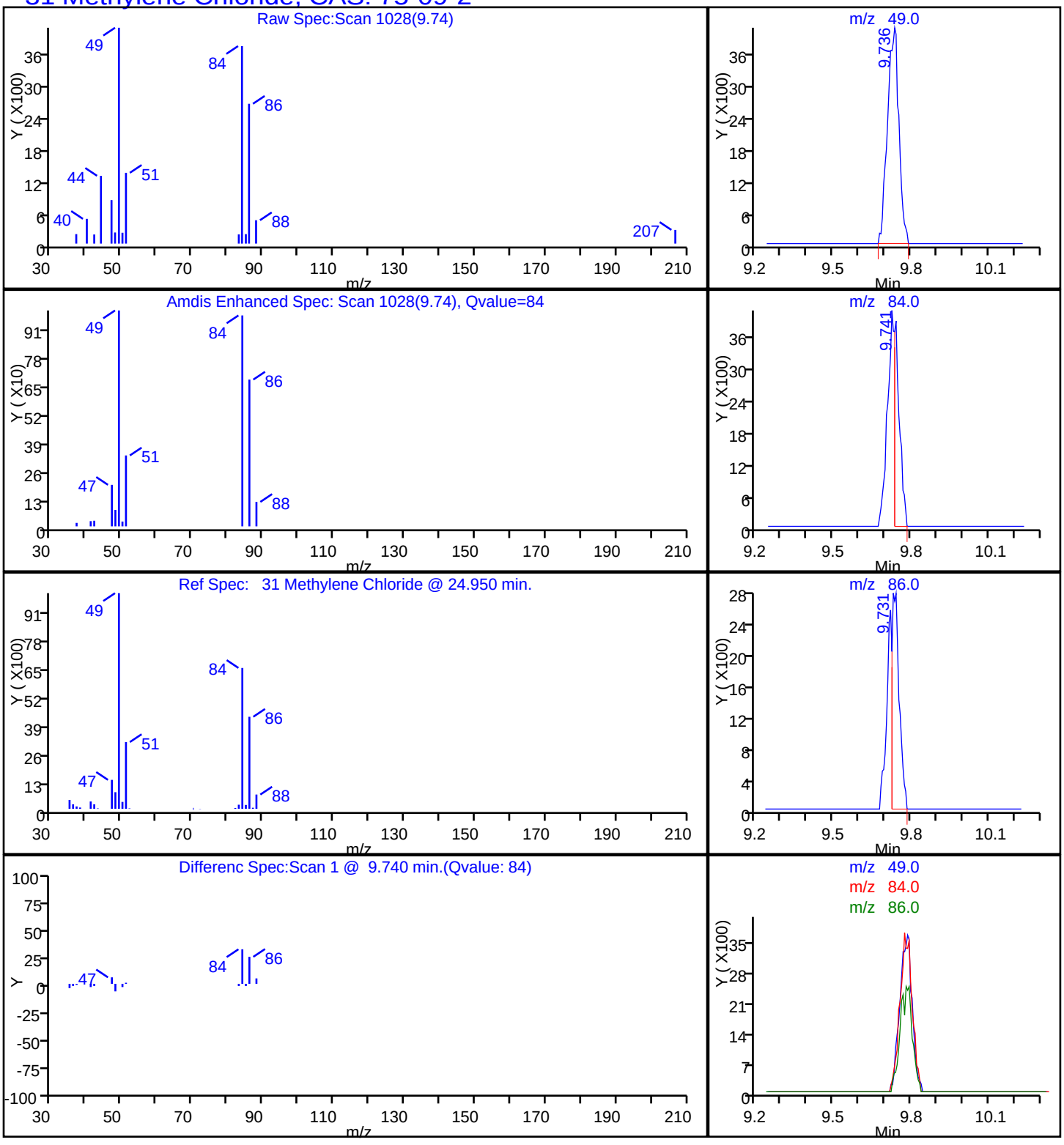
Report Date: 18-Jul-2014 10:22:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_011.d

Injection Date:	17-Jul-2014 19:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-7	Lab Sample ID:	200-23187-7		
Client ID:	SDS-2				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



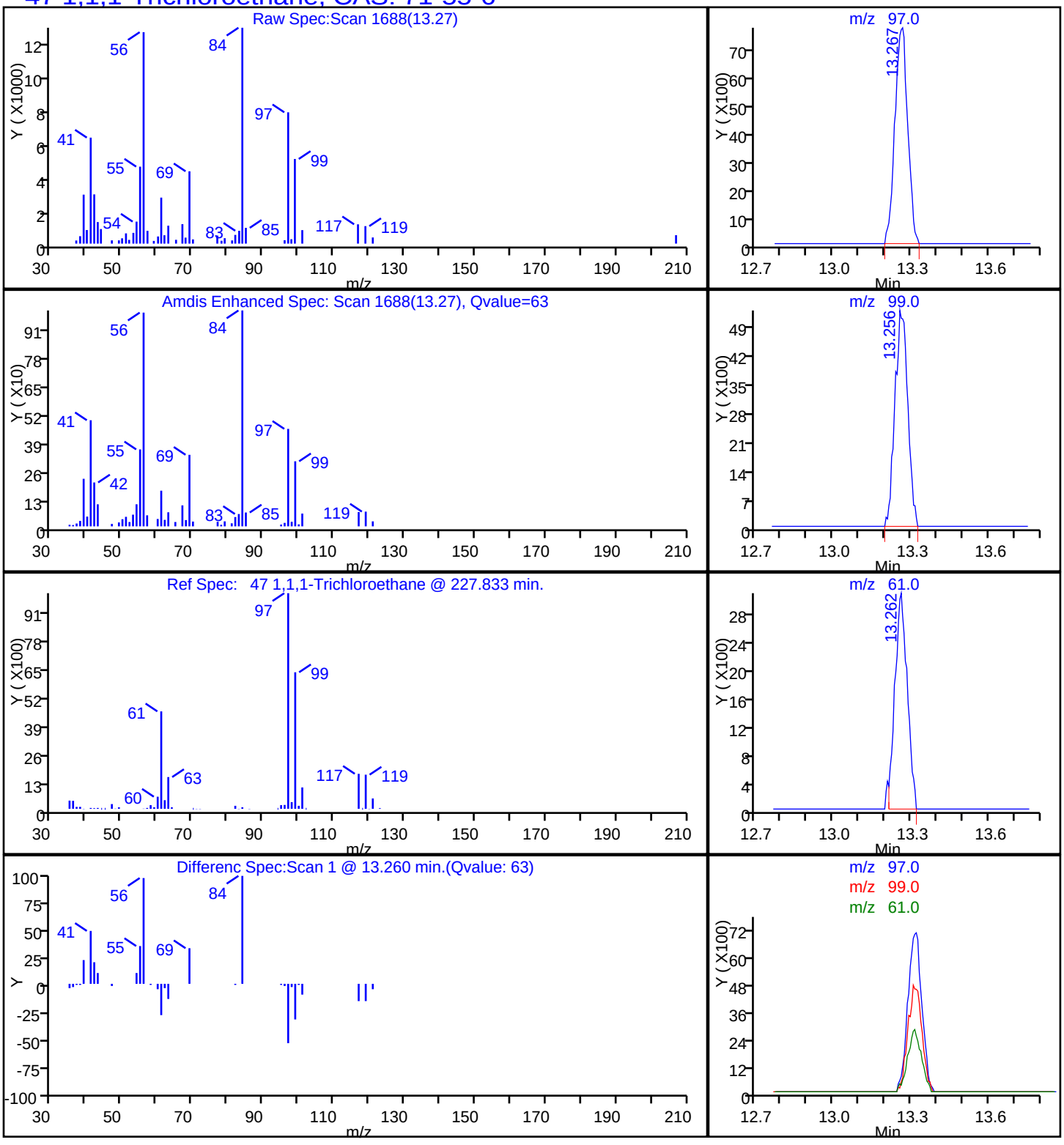
Report Date: 18-Jul-2014 10:22:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_011.d

Injection Date:	17-Jul-2014 19:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-7	Lab Sample ID:	200-23187-7		
Client ID:	SDS-2				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



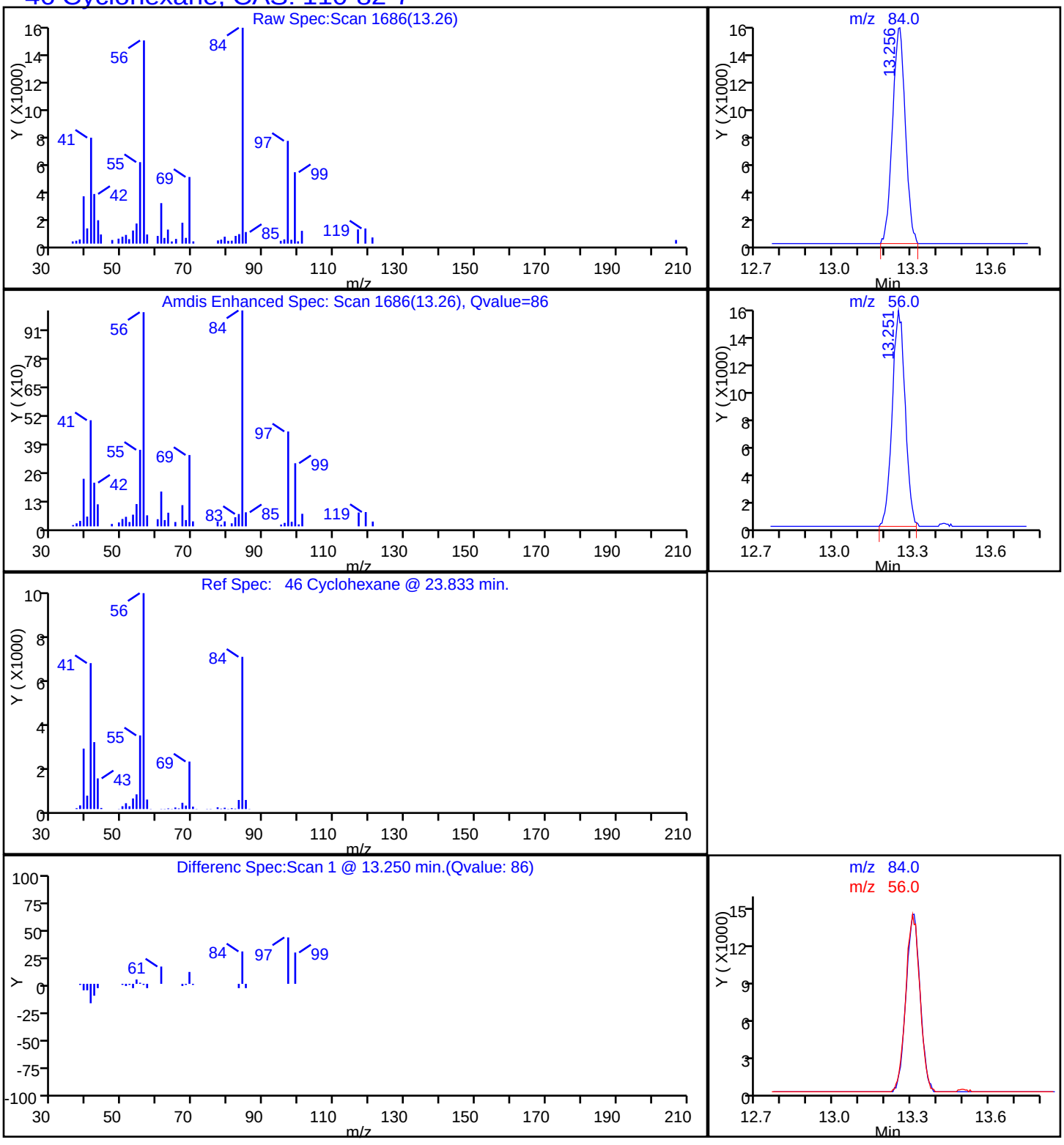
Report Date: 18-Jul-2014 10:22:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_011.d

Injection Date:	17-Jul-2014 19:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-7	Lab Sample ID:	200-23187-7		
Client ID:	SDS-2				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



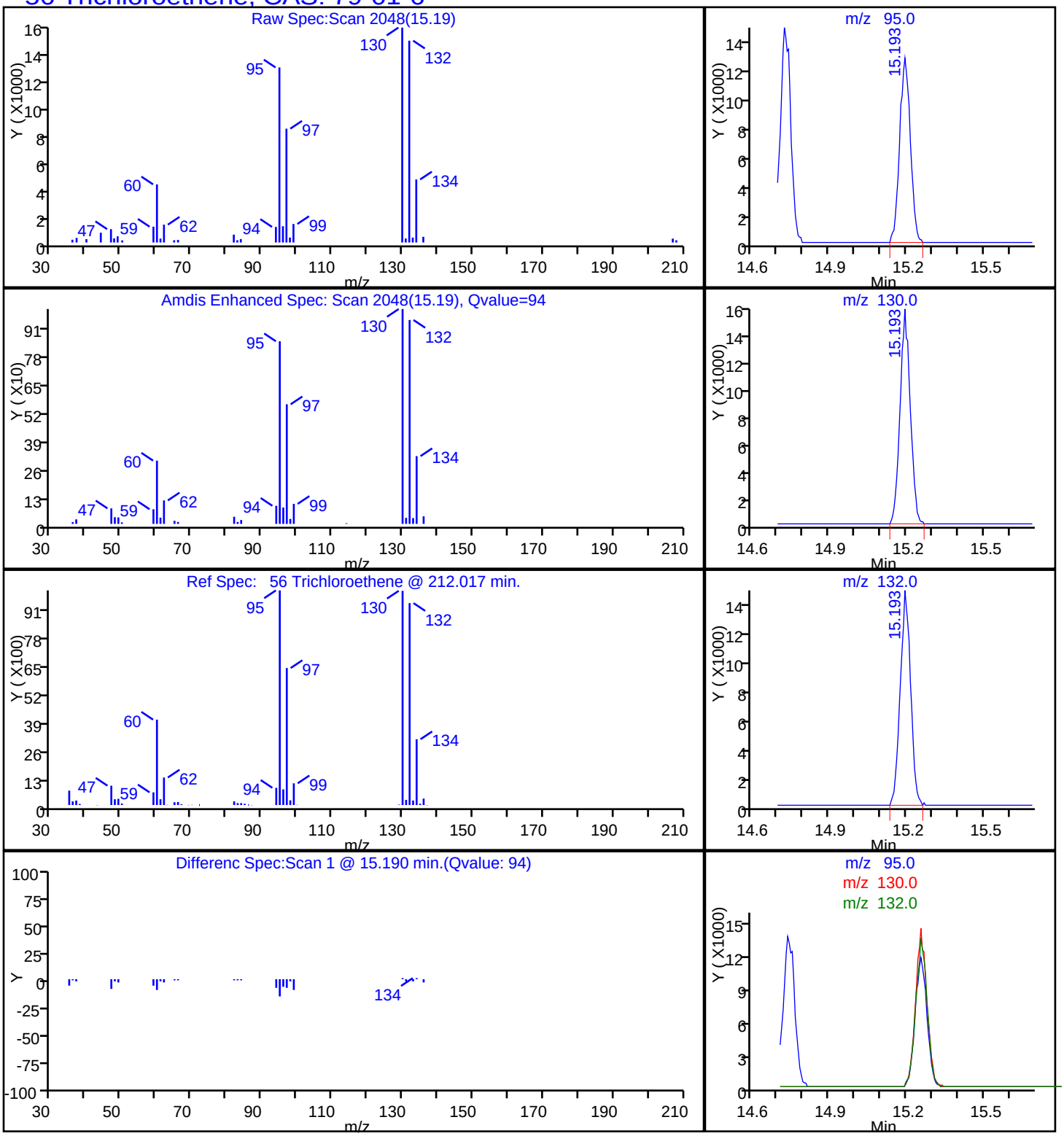
Report Date: 18-Jul-2014 10:22:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_011.d

Injection Date:	17-Jul-2014 19:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-7	Lab Sample ID:	200-23187-7		
Client ID:	SDS-2				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



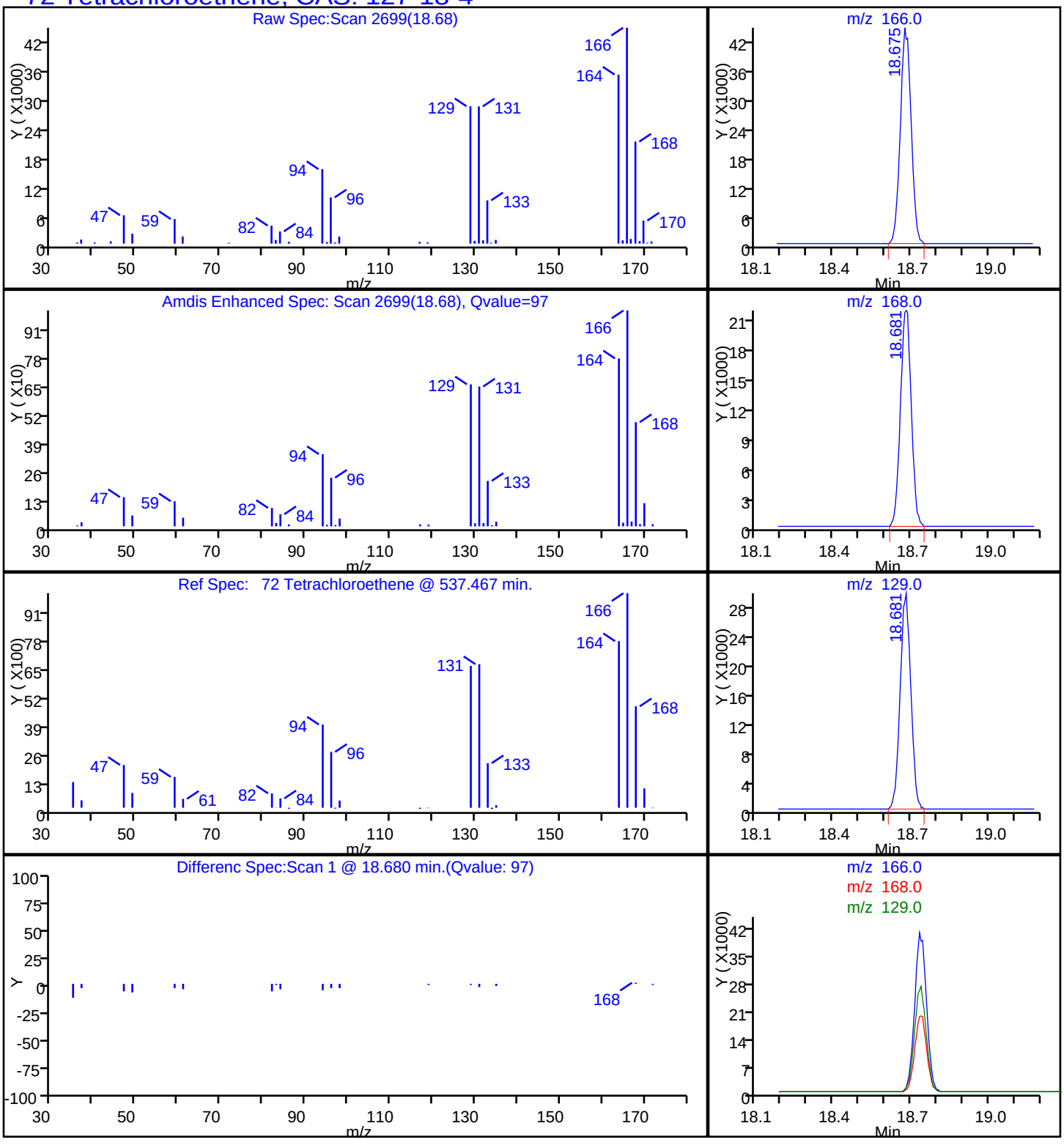
Report Date: 18-Jul-2014 10:22:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_011.d

Injection Date:	17-Jul-2014 19:09:30	Instrument ID:	CHW.i
Lims ID:	200-23187-A-7	Lab Sample ID:	200-23187-7
Client ID:	SDS-2		
Operator ID:	bl	ALS Bottle#:	10 Worklist Smp#: 11
Purge Vol:	200.000 mL	Dil. Factor:	8.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

72 Tetrachloroethene, CAS: 127-18-4



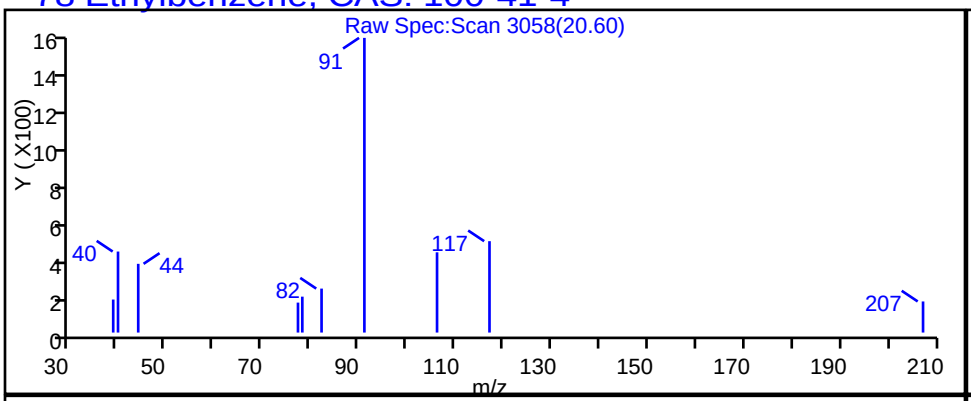
Report Date: 18-Jul-2014 10:22:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

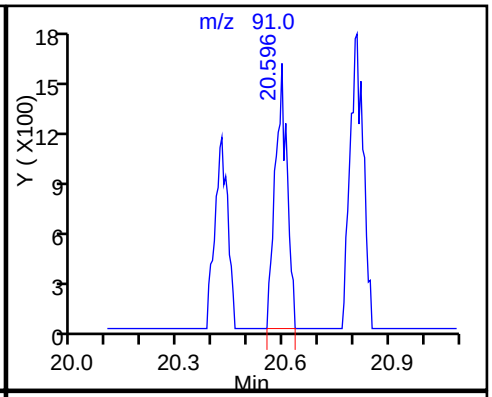
TestAmerica Burlington

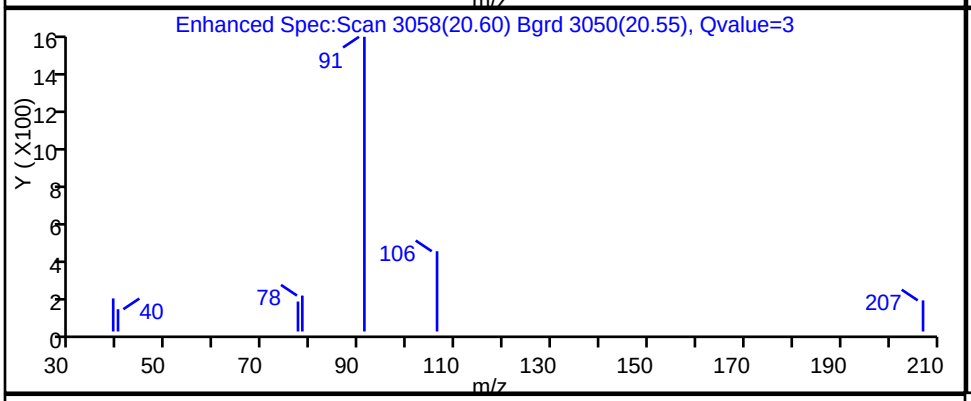
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_011.d

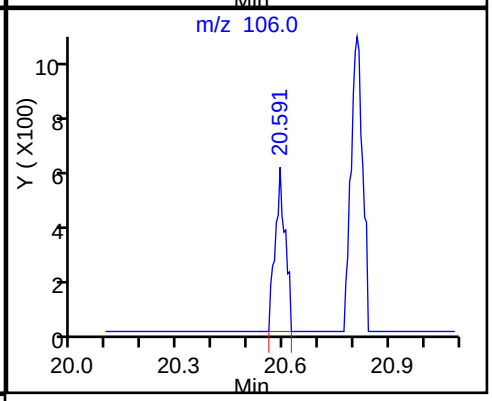
Injection Date:	17-Jul-2014 19:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-7	Lab Sample ID:	200-23187-7		
Client ID:	SDS-2				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

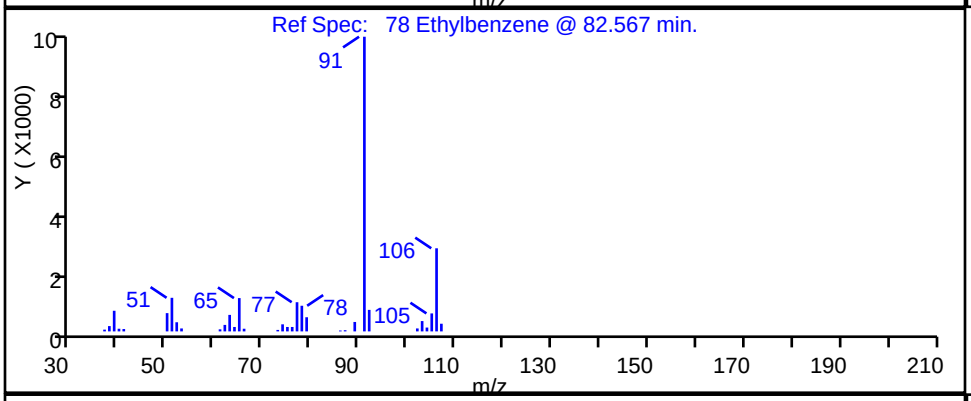
78 Ethylbenzene, CAS: 100-41-4

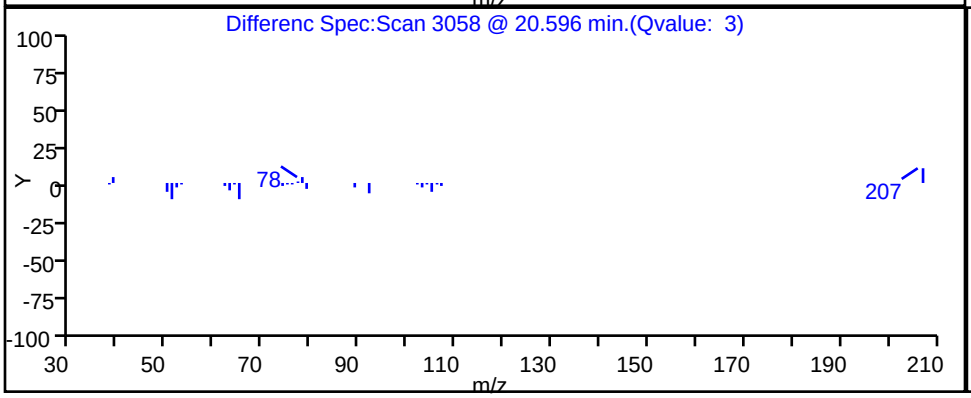


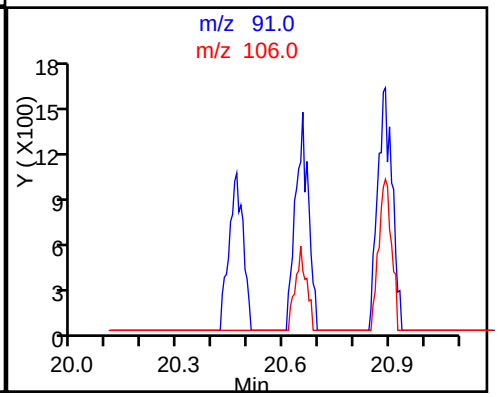












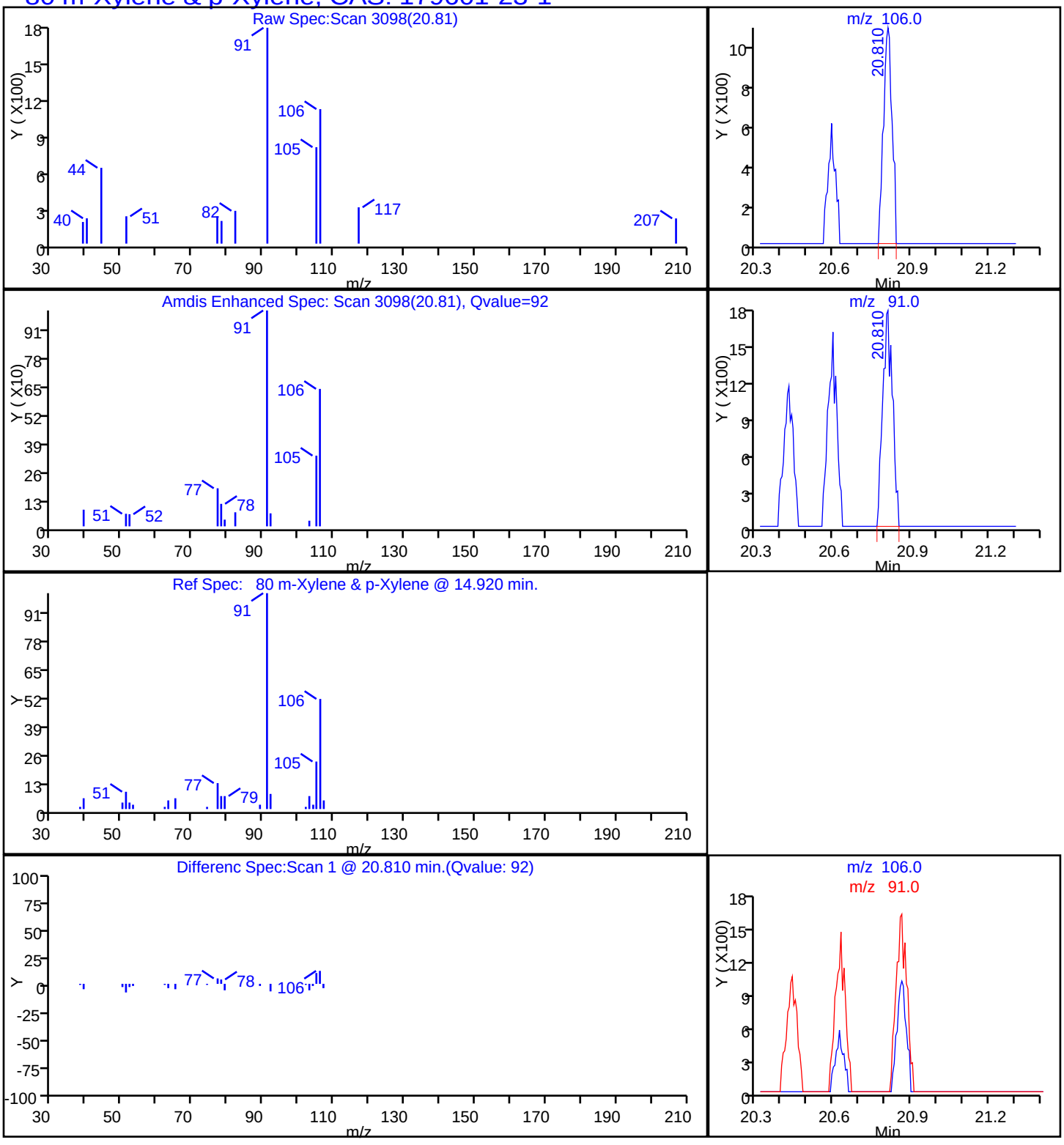
Report Date: 18-Jul-2014 10:22:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_011.d

Injection Date:	17-Jul-2014 19:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-7	Lab Sample ID:	200-23187-7		
Client ID:	SDS-2				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-3 Lab Sample ID: 200-23187-8

Matrix: Air Lab File ID: 8602_012.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:55

Sample wt/vol: 40(mL) Date Analyzed: 07/17/2014 19:58

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.62	J	2.5	0.15
75-45-6	Freon 22	86.47	0.79	J	2.5	0.24
76-14-2	Freon-114	170.92	1.0	U	1.0	0.18
74-87-3	Chloromethane	50.49	2.5	U	2.5	0.68
106-97-8	n-Butane	58.12	2.0	J	2.5	1.4
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.19
106-99-0	1,3-Butadiene	54.09	1.0	U	1.0	0.21
74-83-9	Bromomethane	94.94	1.0	U	1.0	0.14
75-00-3	Chloroethane	64.52	2.5	U	2.5	0.15
593-60-2	Vinyl bromide	106.96	1.0	U	1.0	0.15
75-69-4	Freon 11	137.37	0.37	J	1.0	0.15
76-13-1	Freon 113	187.38	0.17	J	1.0	0.090
75-35-4	1,1-Dichloroethene	96.94	1.0	U	1.0	0.12
67-64-1	Acetone	58.08	16	J	25	6.3
67-63-0	Isopropyl alcohol	60.10	110		25	1.1
75-15-0	Carbon disulfide	76.14	2.5	U	2.5	0.33
107-05-1	Allyl chloride	76.53	2.5	U	2.5	0.17
75-09-2	Methylene Chloride	84.93	71		2.5	0.63
75-65-0	tert-Butyl alcohol	74.12	25	U	25	1.6
1634-04-4	Methyl tert-butyl ether	88.15	1.0	U	1.0	0.11
156-60-5	trans-1,2-Dichloroethene	96.94	0.19	J	1.0	0.15
110-54-3	Hexane	86.17	0.24	J	1.0	0.17
75-34-3	1,1-Dichloroethane	98.96	1.0	U	1.0	0.19
78-93-3	Methyl Ethyl Ketone	72.11	1.7	J	2.5	1.2
156-59-2	cis-1,2-Dichloroethene	96.94	0.23	J	1.0	0.19
540-59-0	1,2-Dichloroethene, Total	96.94	0.42	J	1.0	0.32
67-66-3	Chloroform	119.38	0.75	J	1.0	0.13
109-99-9	Tetrahydrofuran	72.11	25	U	25	0.23
71-55-6	1,1,1-Trichloroethane	133.41	1.0	U	1.0	0.11
110-82-7	Cyclohexane	84.16	2.3		1.0	0.13
56-23-5	Carbon tetrachloride	153.81	0.20	U	0.20	0.11
540-84-1	2,2,4-Trimethylpentane	114.23	1.0	U	1.0	0.14
71-43-2	Benzene	78.11	0.23	J	1.0	0.095
107-06-2	1,2-Dichloroethane	98.96	1.0	U	1.0	0.085
142-82-5	Heptane	100.21	1.0	U	1.0	0.23

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-3 Lab Sample ID: 200-23187-8

Matrix: Air Lab File ID: 8602_012.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:55

Sample wt/vol: 40(mL) Date Analyzed: 07/17/2014 19:58

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	6.0		0.20	0.12
80-62-6	Methyl methacrylate	100.12	2.5	U	2.5	0.15
78-87-5	1,2-Dichloropropane	112.99	1.0	U	1.0	0.16
123-91-1	1,4-Dioxane	88.11	25	U	25	1.0
75-27-4	Bromodichloromethane	163.83	1.0	U	1.0	0.085
10061-01-5	cis-1,3-Dichloropropene	110.97	1.0	U	1.0	0.14
108-10-1	methyl isobutyl ketone	100.16	2.5	U	2.5	0.14
108-88-3	Toluene	92.14	1.4		1.0	0.085
10061-02-6	trans-1,3-Dichloropropene	110.97	1.0	U	1.0	0.11
79-00-5	1,1,2-Trichloroethane	133.41	1.0	U	1.0	0.085
127-18-4	Tetrachloroethene	165.83	3.6		1.0	0.080
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.5	U	2.5	1.0
124-48-1	Dibromochloromethane	208.29	1.0	U	1.0	0.10
106-93-4	1,2-Dibromoethane	187.87	1.0	U	1.0	0.10
108-90-7	Chlorobenzene	112.56	1.0	U	1.0	0.041
100-41-4	Ethylbenzene	106.17	0.26	J	1.0	0.065
179601-23-1	m,p-Xylene	106.17	0.68	J	2.5	0.12
95-47-6	Xylene, o-	106.17	0.25	J	1.0	0.080
1330-20-7	Xylene (total)	106.17	0.93	J	1.0	0.17
100-42-5	Styrene	104.15	0.20	J	1.0	0.090
75-25-2	Bromoform	252.75	1.0	U	1.0	0.050
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.0	U	1.0	0.080
103-65-1	n-Propylbenzene	120.19	1.0	U	1.0	0.40
622-96-8	4-Ethyltoluene	120.20	1.0	U	1.0	0.090
108-67-8	1,3,5-Trimethylbenzene	120.20	0.28	J	1.0	0.060
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.065
98-06-6	tert-Butylbenzene	134.22	1.0	U	1.0	0.085
95-63-6	1,2,4-Trimethylbenzene	120.20	0.38	J	1.0	0.070
135-98-8	sec-Butylbenzene	134.22	1.0	U	1.0	0.40
99-87-6	4-Isopropyltoluene	134.22	1.0	U	1.0	0.40
541-73-1	1,3-Dichlorobenzene	147.00	1.0	U	1.0	0.070
106-46-7	1,4-Dichlorobenzene	147.00	1.0	U	1.0	0.070
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.40
104-51-8	n-Butylbenzene	134.22	1.0	U	1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-3 Lab Sample ID: 200-23187-8

Matrix: Air Lab File ID: 8602_012.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:55

Sample wt/vol: 40(mL) Date Analyzed: 07/17/2014 19:58

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.0	U	1.0	0.070
120-82-1	1,2,4-Trichlorobenzene	181.45	2.5	U	2.5	0.14
87-68-3	Hexachloro-1,3-butadiene	260.76	1.0	U	1.0	0.11
91-20-3	Naphthalene	128.17	2.5	U	2.5	1.0

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Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	3.1	J	12	0.74
75-45-6	Freon 22	86.47	2.8	J	8.8	0.85
76-14-2	Freon-114	170.92	7.0	U	7.0	1.2
74-87-3	Chloromethane	50.49	5.2	U	5.2	1.4
106-97-8	n-Butane	58.12	4.7	J	5.9	3.4
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.49
106-99-0	1,3-Butadiene	54.09	2.2	U	2.2	0.46
74-83-9	Bromomethane	94.94	3.9	U	3.9	0.54
75-00-3	Chloroethane	64.52	6.6	U	6.6	0.40
593-60-2	Vinyl bromide	106.96	4.4	U	4.4	0.66
75-69-4	Freon 11	137.37	2.1	J	5.6	0.84
76-13-1	Freon 113	187.38	1.3	J	7.7	0.69
75-35-4	1,1-Dichloroethene	96.94	4.0	U	4.0	0.48
67-64-1	Acetone	58.08	38	J	59	15
67-63-0	Isopropyl alcohol	60.10	260		61	2.6
75-15-0	Carbon disulfide	76.14	7.8	U	7.8	1.0
107-05-1	Allyl chloride	76.53	7.8	U	7.8	0.53
75-09-2	Methylene Chloride	84.93	250		8.7	2.2
75-65-0	tert-Butyl alcohol	74.12	76	U	76	5.0
1634-04-4	Methyl tert-butyl ether	88.15	3.6	U	3.6	0.40
156-60-5	trans-1,2-Dichloroethene	96.94	0.74	J	4.0	0.57
110-54-3	Hexane	86.17	0.85	J	3.5	0.60
75-34-3	1,1-Dichloroethane	98.96	4.0	U	4.0	0.77
78-93-3	Methyl Ethyl Ketone	72.11	5.0	J	7.4	3.6
156-59-2	cis-1,2-Dichloroethene	96.94	0.93	J	4.0	0.75
540-59-0	1,2-Dichloroethene, Total	96.94	1.7	J	4.0	1.3
67-66-3	Chloroform	119.38	3.7	J	4.9	0.61
109-99-9	Tetrahydrofuran	72.11	74	U	74	0.68
71-55-6	1,1,1-Trichloroethane	133.41	5.5	U	5.5	0.57
110-82-7	Cyclohexane	84.16	7.9		3.4	0.43
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	0.66
540-84-1	2,2,4-Trimethylpentane	114.23	4.7	U	4.7	0.63
71-43-2	Benzene	78.11	0.72	J	3.2	0.30
107-06-2	1,2-Dichloroethane	98.96	4.0	U	4.0	0.34
142-82-5	Heptane	100.21	4.1	U	4.1	0.94

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Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-3 Lab Sample ID: 200-23187-8

Matrix: Air Lab File ID: 8602_012.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:55

Sample wt/vol: 40(mL) Date Analyzed: 07/17/2014 19:58

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	32		1.1	0.64
80-62-6	Methyl methacrylate	100.12	10	U	10	0.61
78-87-5	1,2-Dichloropropane	112.99	4.6	U	4.6	0.74
123-91-1	1,4-Dioxane	88.11	90	U	90	3.6
75-27-4	Bromodichloromethane	163.83	6.7	U	6.7	0.57
10061-01-5	cis-1,3-Dichloropropene	110.97	4.5	U	4.5	0.64
108-10-1	methyl isobutyl ketone	100.16	10	U	10	0.55
108-88-3	Toluene	92.14	5.2		3.8	0.32
10061-02-6	trans-1,3-Dichloropropene	110.97	4.5	U	4.5	0.50
79-00-5	1,1,2-Trichloroethane	133.41	5.5	U	5.5	0.46
127-18-4	Tetrachloroethene	165.83	24		6.8	0.54
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10	U	10	4.1
124-48-1	Dibromochloromethane	208.29	8.5	U	8.5	0.85
106-93-4	1,2-Dibromoethane	187.87	7.7	U	7.7	0.77
108-90-7	Chlorobenzene	112.56	4.6	U	4.6	0.19
100-41-4	Ethylbenzene	106.17	1.1	J	4.3	0.28
179601-23-1	m,p-Xylene	106.17	3.0	J	11	0.50
95-47-6	Xylene, o-	106.17	1.1	J	4.3	0.35
1330-20-7	Xylene (total)	106.17	4.0	J	4.3	0.74
100-42-5	Styrene	104.15	0.86	J	4.3	0.38
75-25-2	Bromoform	252.75	10	U	10	0.52
79-34-5	1,1,2,2-Tetrachloroethane	167.85	6.9	U	6.9	0.55
103-65-1	n-Propylbenzene	120.19	4.9	U	4.9	2.0
622-96-8	4-Ethyltoluene	120.20	4.9	U	4.9	0.44
108-67-8	1,3,5-Trimethylbenzene	120.20	1.4	J	4.9	0.29
95-49-8	2-Chlorotoluene	126.59	5.2	U	5.2	0.34
98-06-6	tert-Butylbenzene	134.22	5.5	U	5.5	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	1.9	J	4.9	0.34
135-98-8	sec-Butylbenzene	134.22	5.5	U	5.5	2.2
99-87-6	4-Isopropyltoluene	134.22	5.5	U	5.5	2.2
541-73-1	1,3-Dichlorobenzene	147.00	6.0	U	6.0	0.42
106-46-7	1,4-Dichlorobenzene	147.00	6.0	U	6.0	0.42
100-44-7	Benzyl chloride	126.58	5.2	U	5.2	2.1
104-51-8	n-Butylbenzene	134.22	5.5	U	5.5	2.2

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Matrix: Air Lab File ID: 8602_012.d

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Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	6.0	U	6.0	0.42
120-82-1	1,2,4-Trichlorobenzene	181.45	19	U	19	1.0
87-68-3	Hexachloro-1,3-butadiene	260.76	11	U	11	1.2
91-20-3	Naphthalene	128.17	13	U	13	5.2

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_012.d
Lims ID: 200-23187-A-8 Lab Sample ID: 200-23187-8
Client ID: SDS-3
Sample Type: Client
Inject. Date: 17-Jul-2014 19:58:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Sample Info: 200-0008602-012
Misc. Info.: 200-23187-A-8
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Jul-2014 10:06:54 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 18-Jul-2014 09:35:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.483	4.488	-0.005	85	13195	0.1240	
6 Chlorodifluoromethane	51	4.558	4.552	0.006	52	8374	0.1574	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.836				ND	
8 Chloromethane	50		5.034				ND	
9 Butane	43	5.291	5.291	0.001	96	20749	0.3976	
10 Vinyl chloride	62		5.349				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.318				ND	
14 Chloroethane	64		6.601				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101	7.184	7.190	-0.006	51	8730	0.0743	
23 1,1,2-Trichloro-1,2,2-trif	101	8.442	8.436	0.006	42	2994	0.0333	
24 1,1-Dichloroethene	96		8.511				ND	
25 Acetone	43	8.747	8.741	0.006	89	178507	3.21	
26 Carbon disulfide	76		9.003				ND	
27 Isopropyl alcohol	45	9.025	9.025	0.000	98	1008188	21.5	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49	9.731	9.731	0.000	80	541501	14.2	
32 2-Methyl-2-propanol	59		9.897				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61				0		0.0842	
34 trans-1,2-Dichloroethene	61	10.218	10.228	-0.010	26	1979	0.0374	
36 Hexane	57	10.646	10.640	0.006	67	3105	0.0484	
37 1,1-Dichloroethane	63		11.191				ND	
39 cis-1,2-Dichloroethene	96	12.363	12.363	0.000	1	2322	0.0468	
40 2-Butanone (MEK)	72	12.379	12.379	0.000	94	7998	0.3411	
44 Tetrahydrofuran	42		12.839				ND	
* 43 Chlorobromomethane	128	12.844	12.850	-0.006	75	363962	10.0	
45 Chloroform	83	12.951	12.957	-0.006	62	12985	0.1499	
46 Cyclohexane	84	13.251	13.256	-0.005	85	29781	0.4588	
47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.524				ND	
51 Isooctane	57		13.909				ND	
50 Benzene	78	13.979	13.973	0.006	29	6235	0.0454	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43	14.262	14.262	0.000	62	2957	0.0421	
* 54 1,4-Difluorobenzene	114	14.728	14.727	0.001	92	1751136	10.0	
56 Trichloroethene	95	15.198	15.198	0.000	89	77262	1.20	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.888				ND	
62 Dichlorobromomethane	83		16.209				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.301				ND	
66 Toluene	92	17.638	17.638	0.000	92	31120	0.2770	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166	18.681	18.681	0.000	90	83773	0.7199	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.1862	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	80	1581133	10.0	
77 Chlorobenzene	112		20.478				ND	
78 Ethylbenzene	91	20.591	20.596	-0.005	66	11480	0.0514	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	92	13013	0.1363	
83 o-Xylene	106	21.527	21.527	0.000	67	4872	0.0500	
84 Styrene	104	21.564	21.564	0.000	55	5691	0.0402	
85 Bromoform	173		21.949				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.436	-0.010	98	1031276	NC	
88 1,1,2,2-Tetrachloroethane	83		22.666				ND	
90 N-Propylbenzene	91		22.741				ND	
91 4-Ethyltoluene	105		22.907				ND	
92 2-Chlorotoluene	91		22.945				ND	
94 1,3,5-Trimethylbenzene	105	22.982	22.998	-0.016	84	12872	0.0568	
96 tert-Butylbenzene	119		23.474				ND	
97 1,2,4-Trimethylbenzene	105	23.555	23.565	-0.011	82	17283	0.0759	
98 sec-Butylbenzene	105		23.806				ND	
99 4-Isopropyltoluene	119		24.009				ND	
100 1,3-Dichlorobenzene	146		24.079				ND	
101 1,4-Dichlorobenzene	146		24.223				ND	
102 Benzyl chloride	91		24.432				ND	
103 n-Butylbenzene	91		24.640				ND	
105 1,2-Dichlorobenzene	146		24.828				ND	
107 1,2,4-Trichlorobenzene	180		27.706				ND	
108 Hexachlorobutadiene	225		27.904				ND	
109 Naphthalene	128		28.289				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003	Amount Added:	20.00	Units: mL	Run Reagent

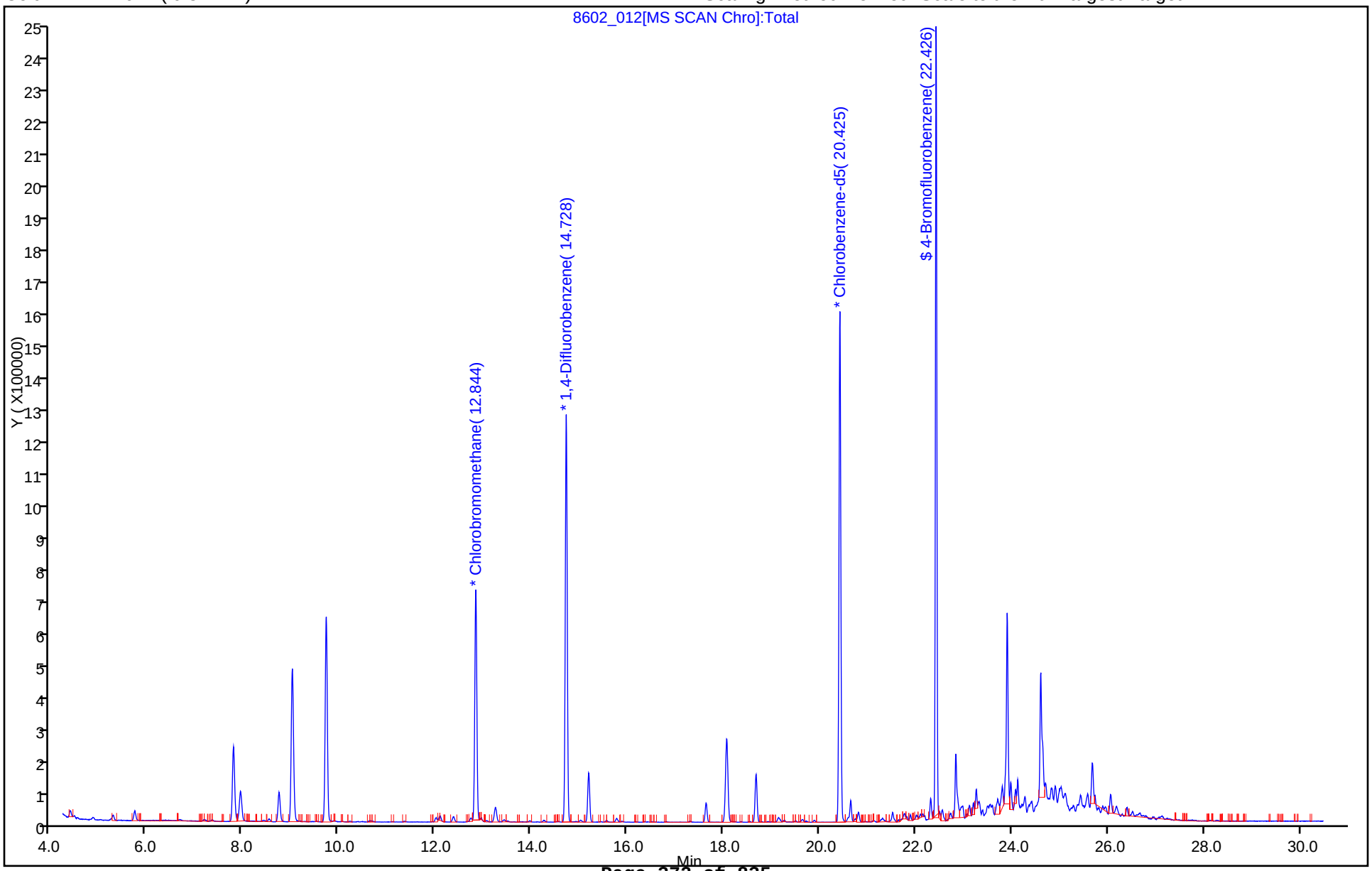
Report Date: 18-Jul-2014 10:16:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_012.d

Injection Date:	17-Jul-2014 19:58:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23187-A-8	Lab Sample ID:	200-23187-8	Worklist Smp#:	12
Client ID:	SDS-3				
Purge Vol:	200.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	11
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



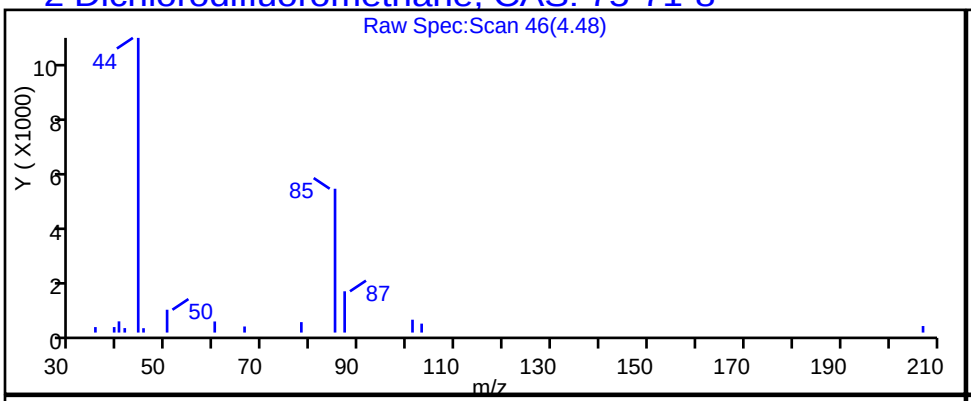
Report Date: 18-Jul-2014 10:16:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

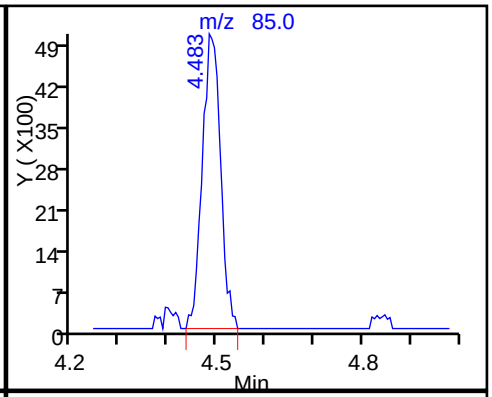
TestAmerica Burlington

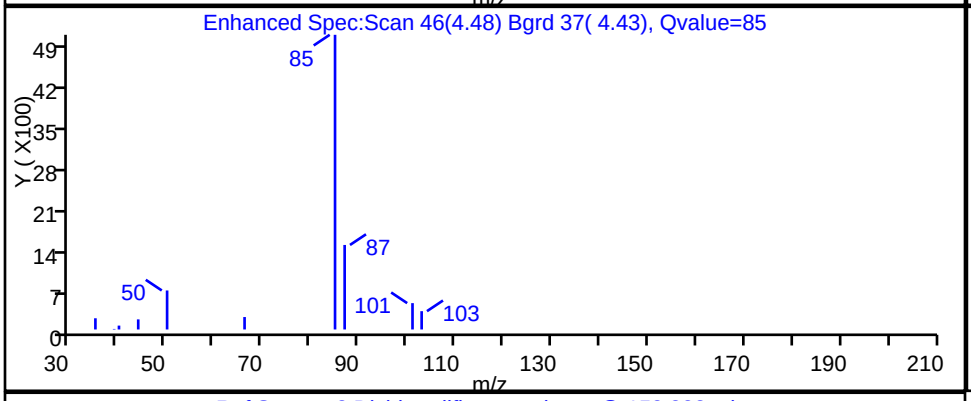
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_012.d

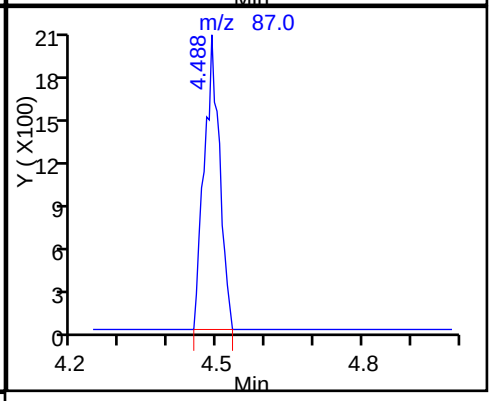
Injection Date:	17-Jul-2014 19:58:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-8	Lab Sample ID:	200-23187-8		
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

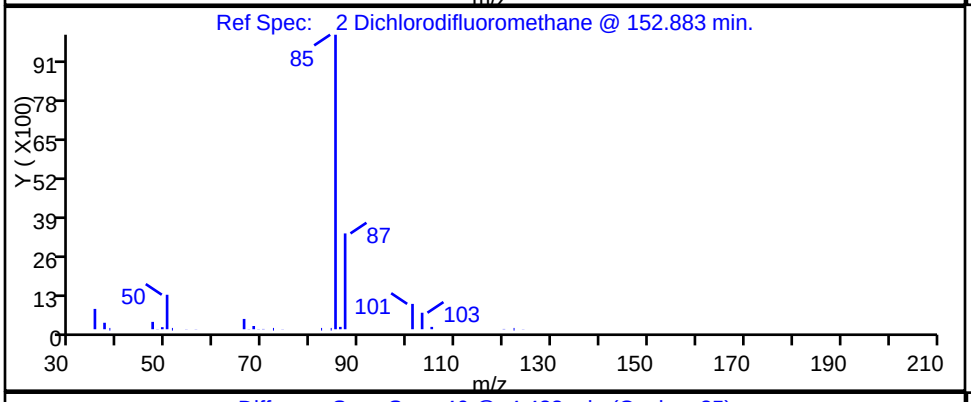
2 Dichlorodifluoromethane, CAS: 75-71-8

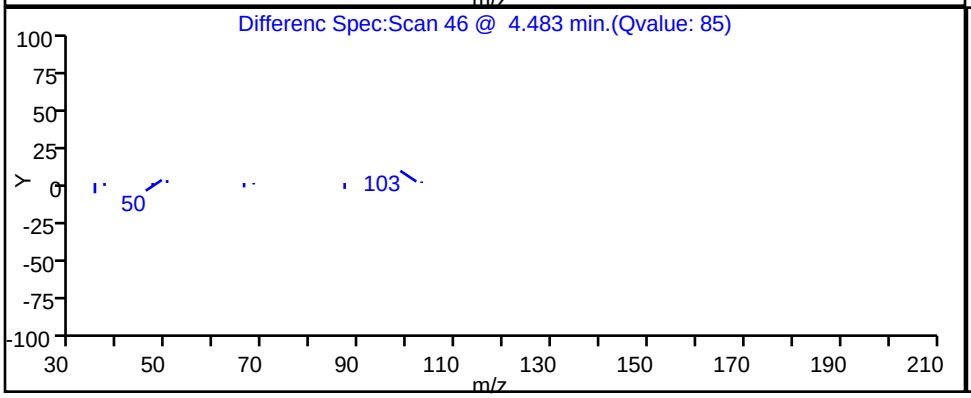


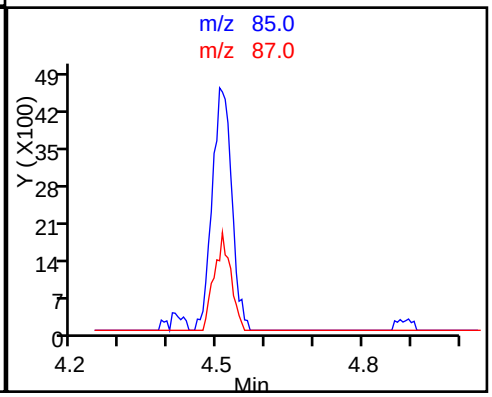












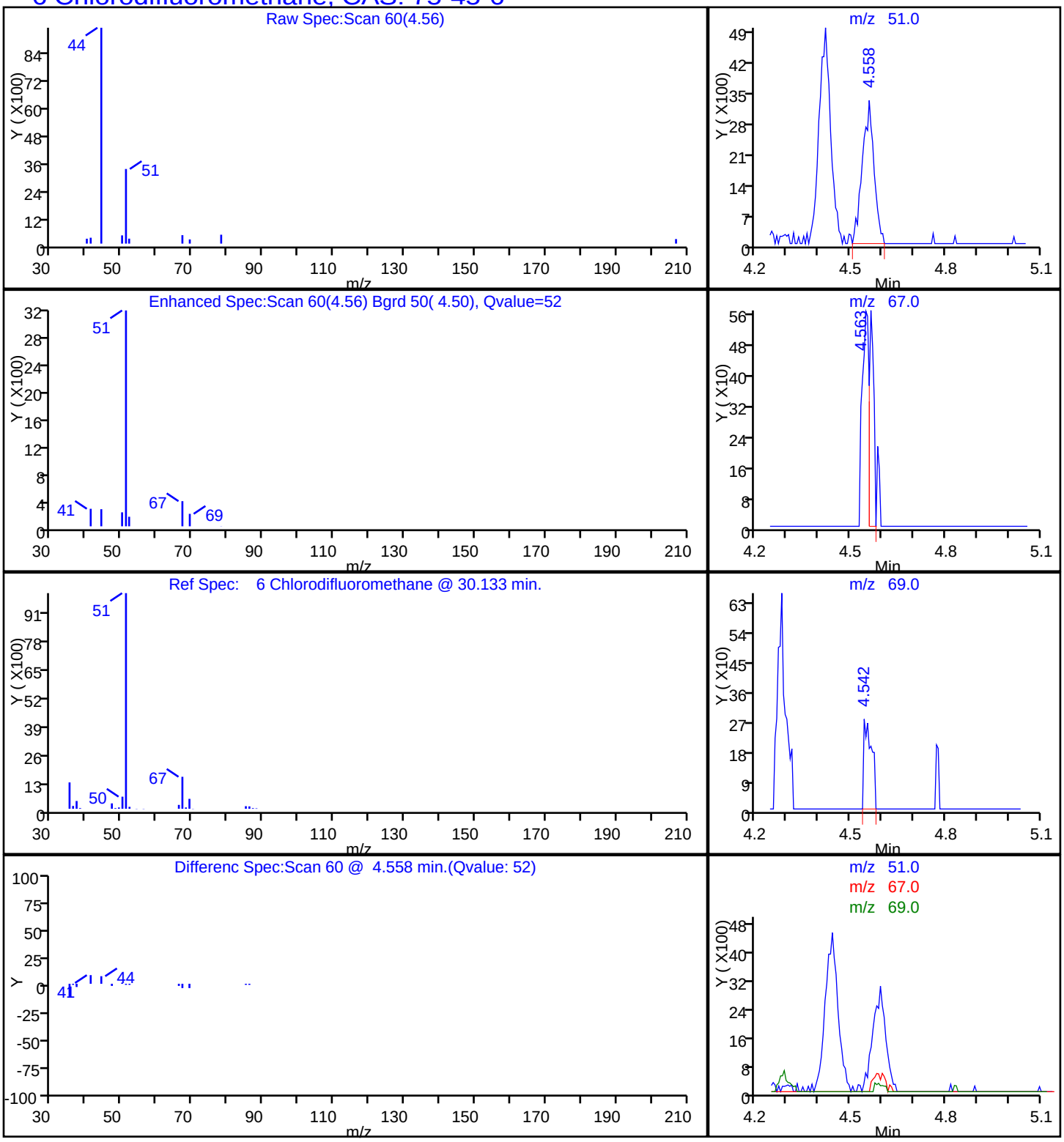
Report Date: 18-Jul-2014 10:16:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_012.d

Injection Date:	17-Jul-2014 19:58:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-8	Lab Sample ID:	200-23187-8		
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



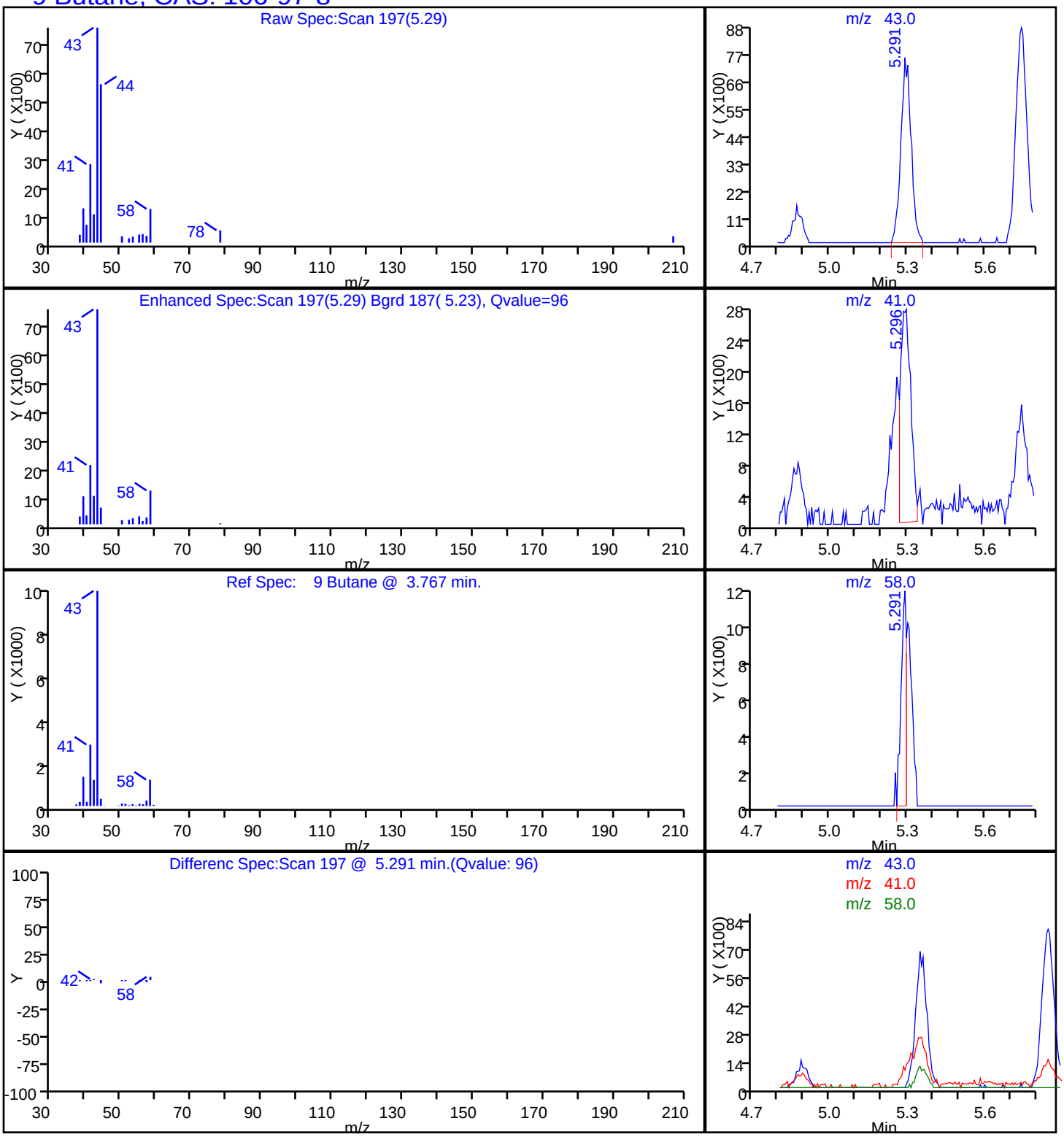
Report Date: 18-Jul-2014 10:16:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_012.d

Injection Date:	17-Jul-2014 19:58:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-8	Lab Sample ID:	200-23187-8		
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



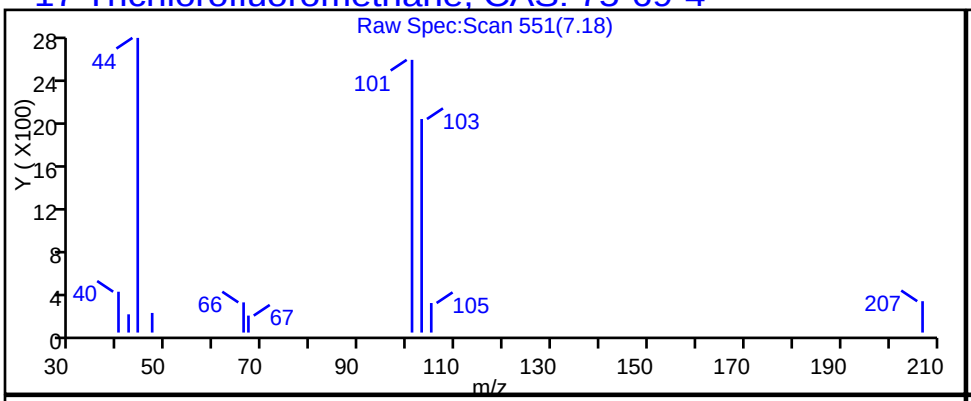
Report Date: 18-Jul-2014 10:16:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

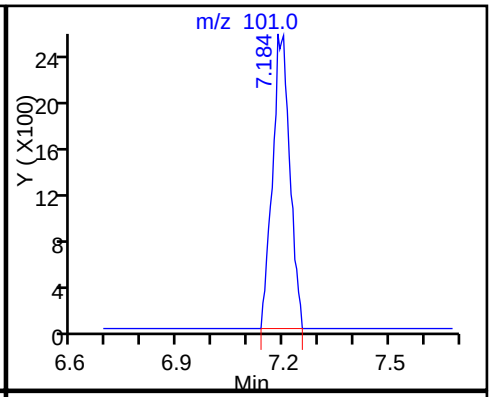
TestAmerica Burlington

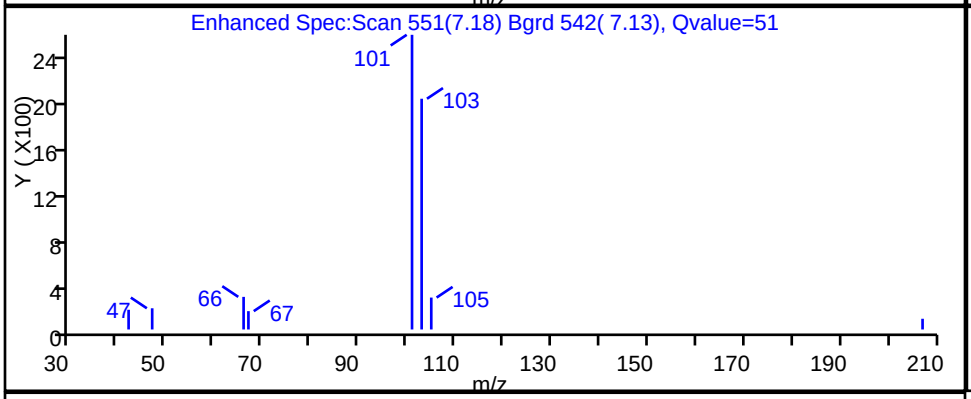
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_012.d

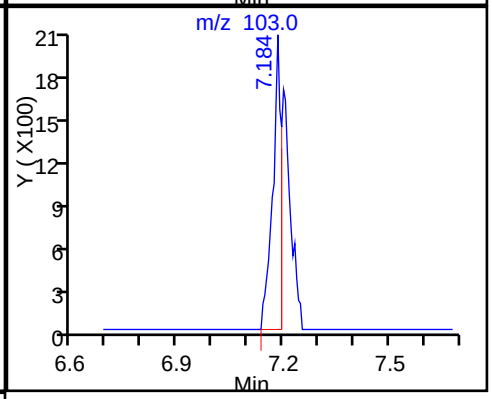
Injection Date:	17-Jul-2014 19:58:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-8	Lab Sample ID:	200-23187-8		
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

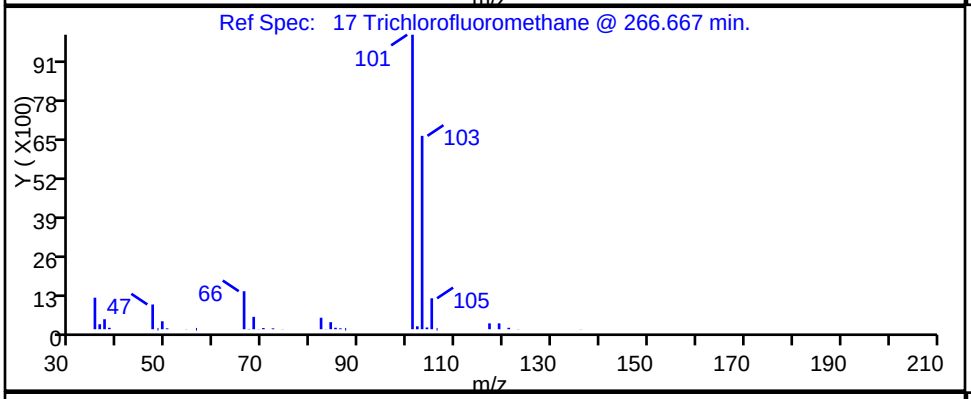
17 Trichlorofluoromethane, CAS: 75-69-4

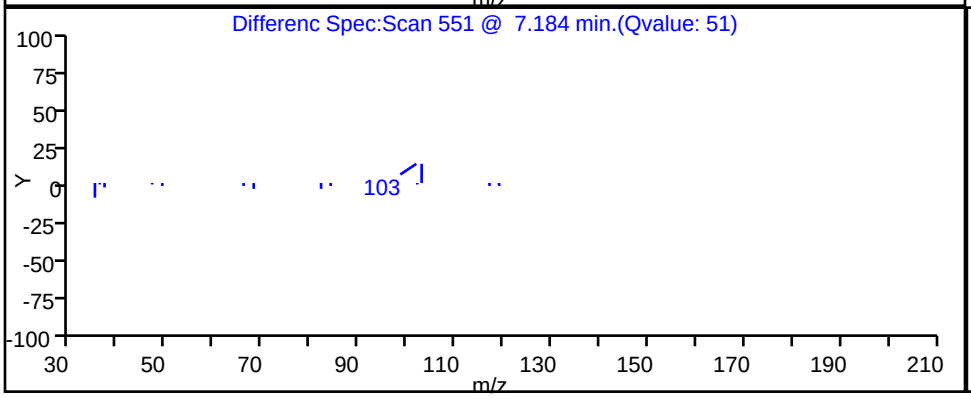


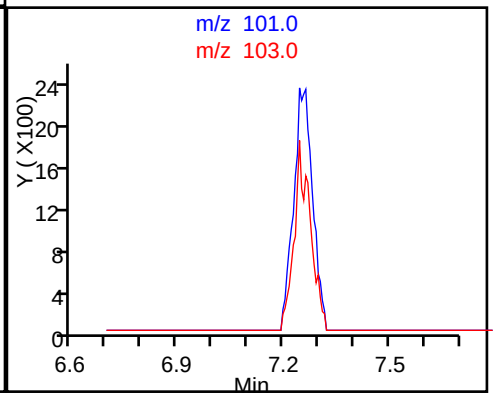












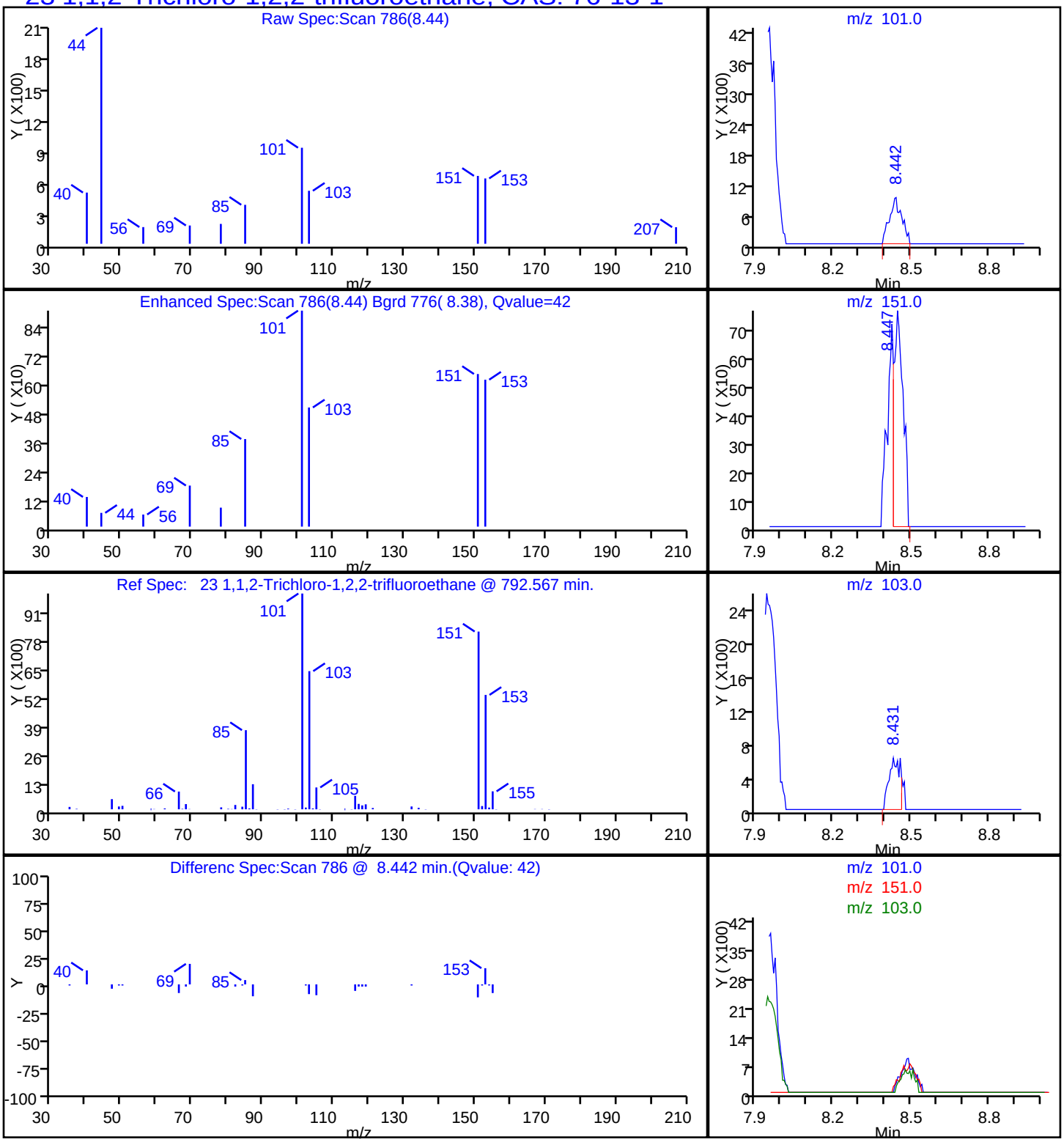
Report Date: 18-Jul-2014 10:16:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_012.d

Injection Date:	17-Jul-2014 19:58:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-8	Lab Sample ID:	200-23187-8		
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



Report Date: 18-Jul-2014 10:16:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_012.d

Injection Date: 17-Jul-2014 19:58:30 Instrument ID: CHW.i

Lims ID: 200-23187-A-8 Lab Sample ID: 200-23187-8

Client ID: SDS-3

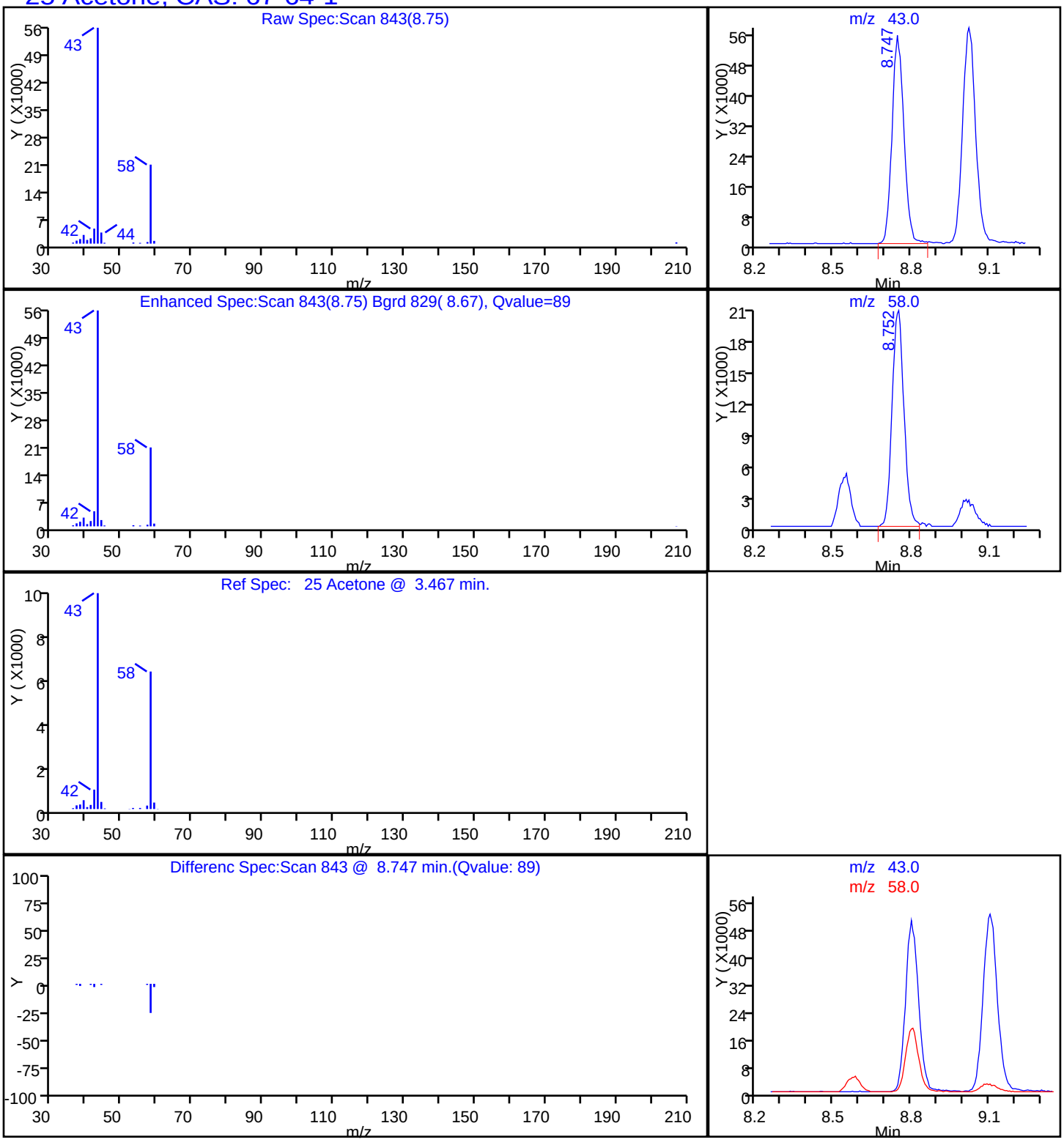
Operator ID: bl ALS Bottle#: 11 Worklist Smp#: 12

Purge Vol: 200.000 mL Dil. Factor: 5.0000

Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

25 Acetone, CAS: 67-64-1



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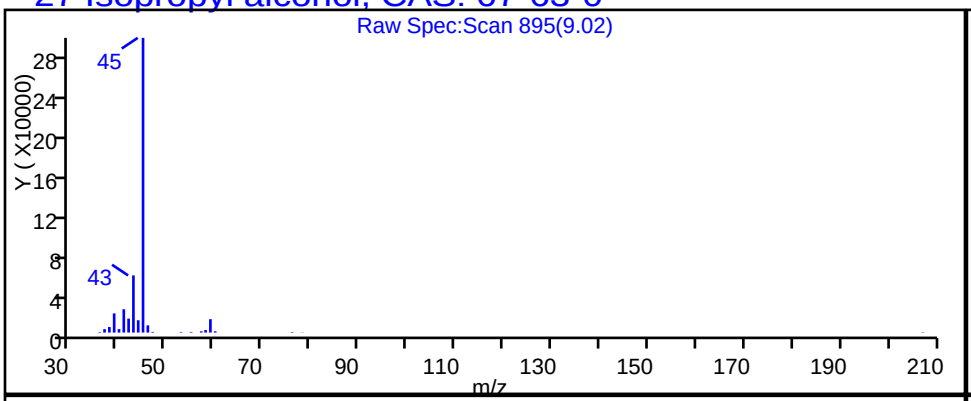
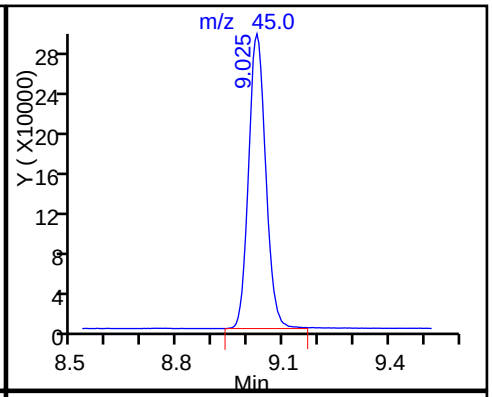
TestAmerica Burlington

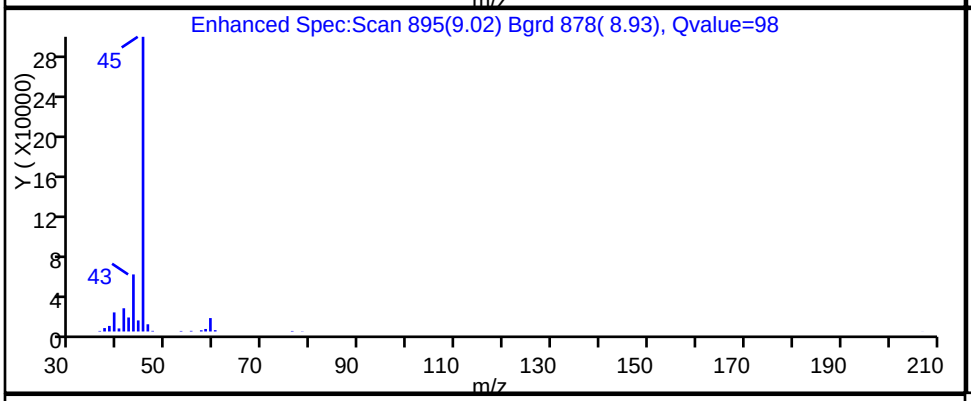
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_012.d

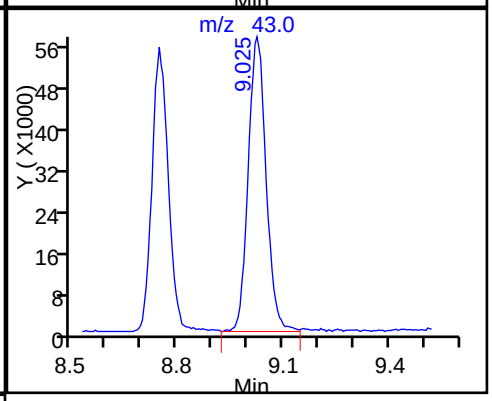
Injection Date:	17-Jul-2014 19:58:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-8	Lab Sample ID:	200-23187-8		
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

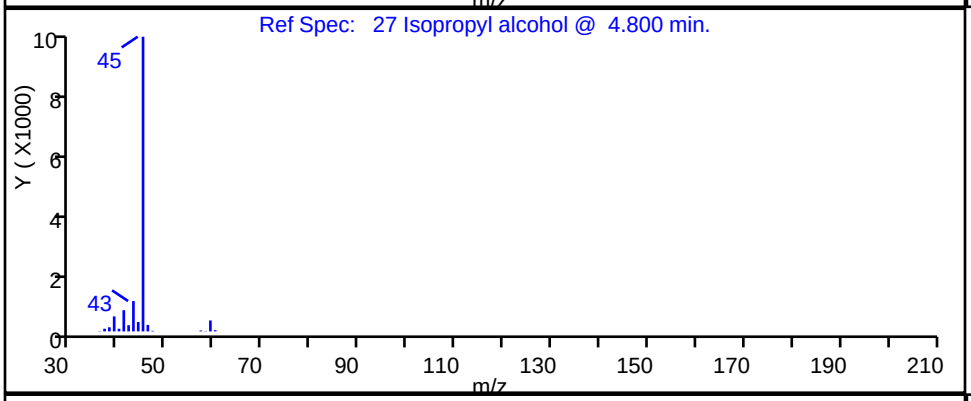
27 Isopropyl alcohol, CAS: 67-63-0

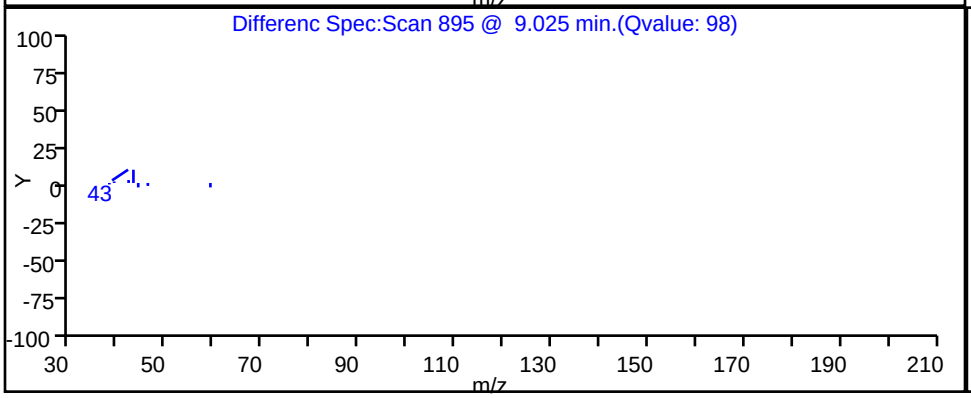


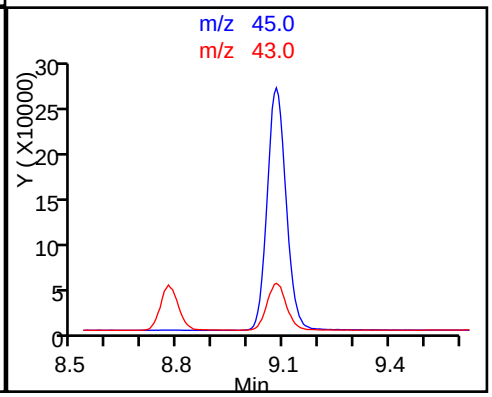












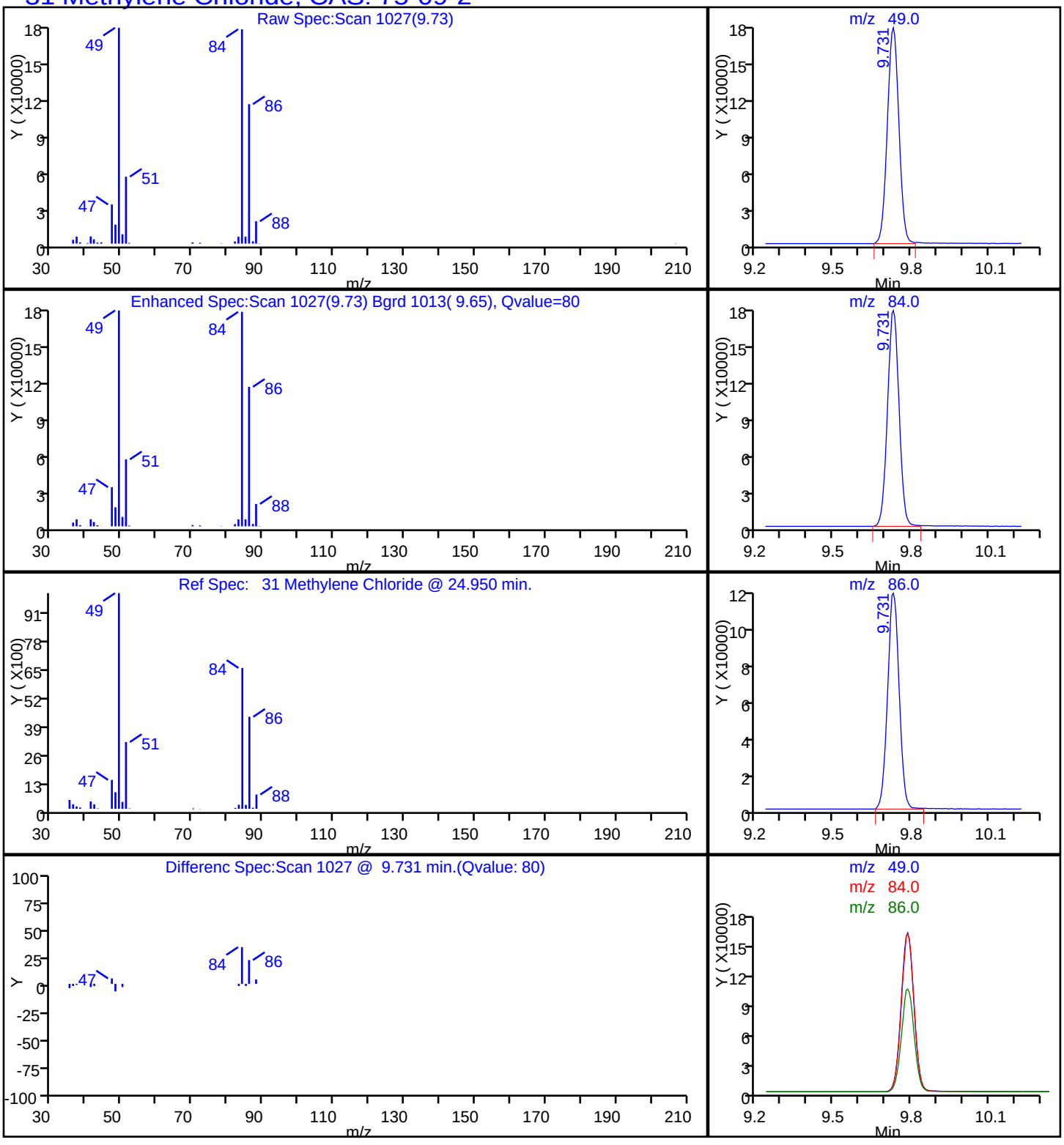
Report Date: 18-Jul-2014 10:16:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_012.d

Injection Date:	17-Jul-2014 19:58:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-8	Lab Sample ID:	200-23187-8		
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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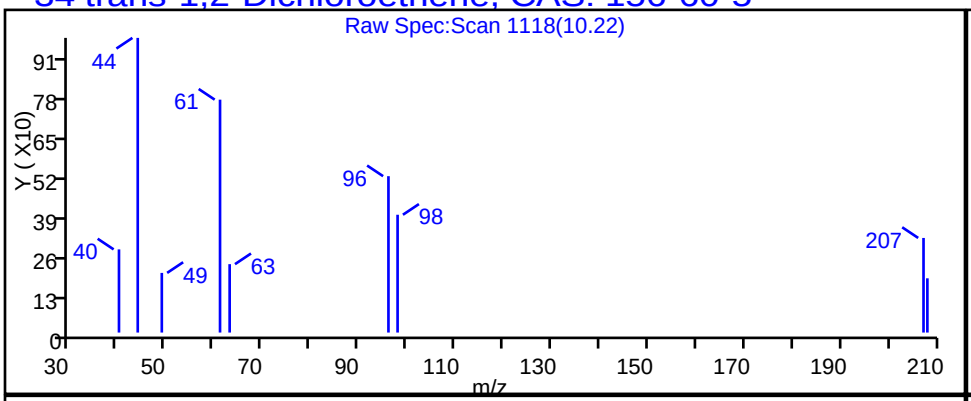
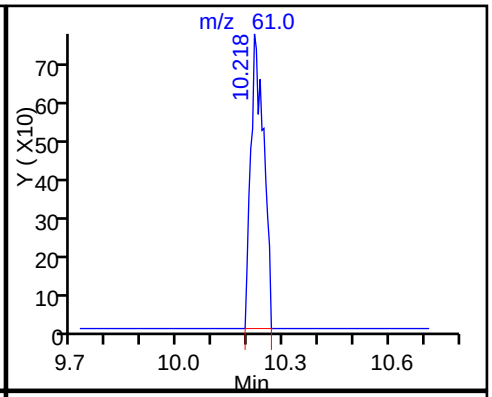
TestAmerica Burlington

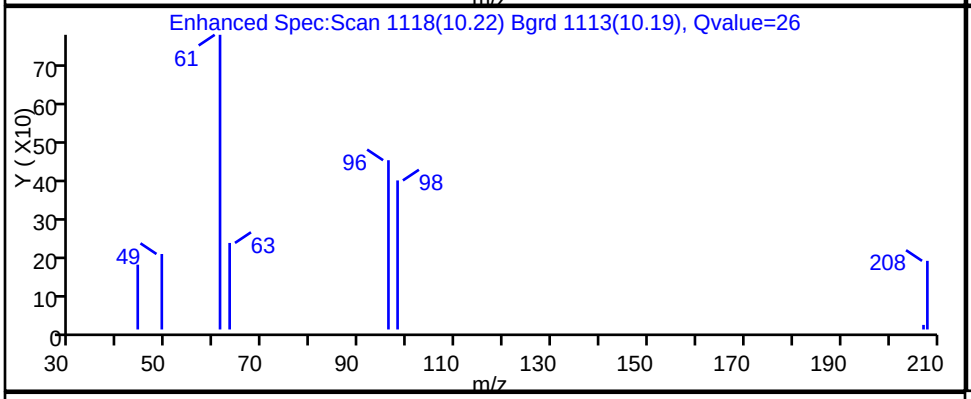
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_012.d

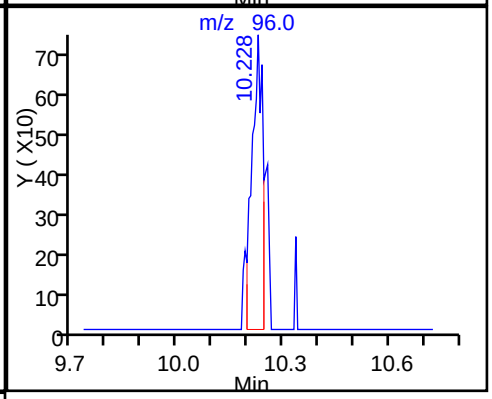
Injection Date:	17-Jul-2014 19:58:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-8	Lab Sample ID:	200-23187-8		
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

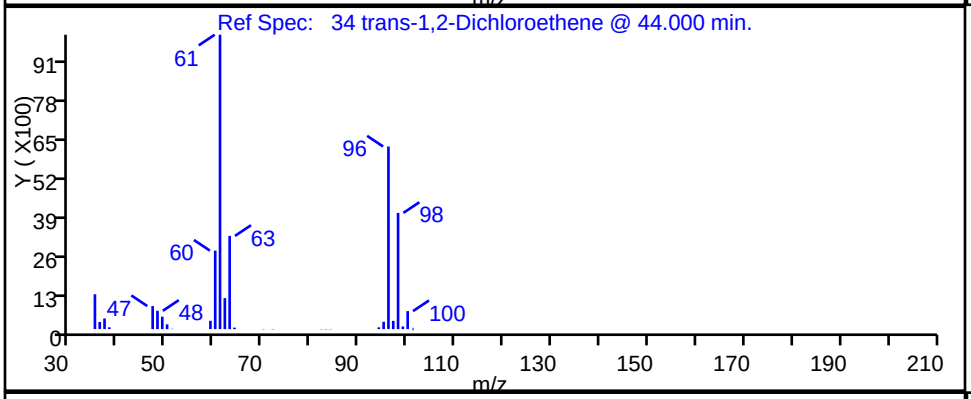
34 trans-1,2-Dichloroethene, CAS: 156-60-5

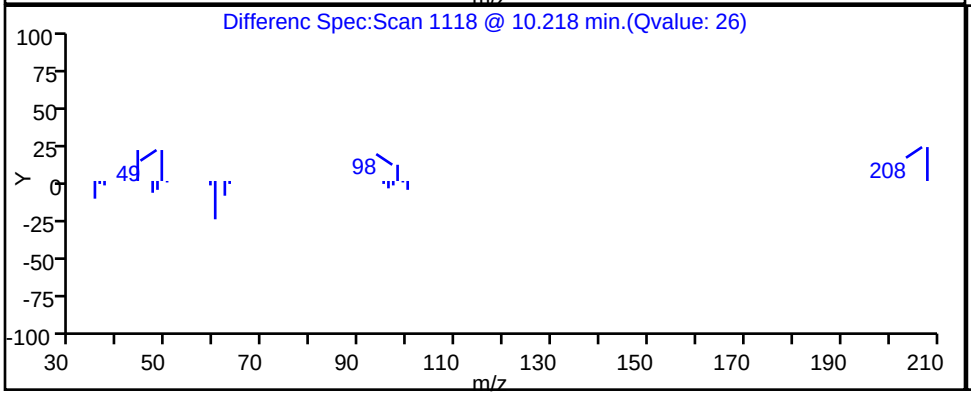


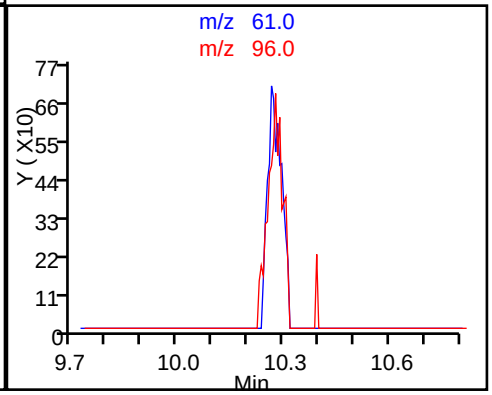












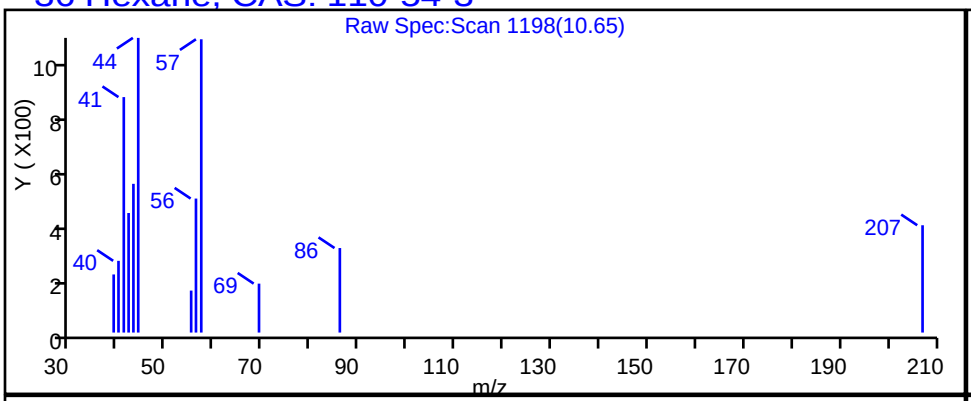
Report Date: 18-Jul-2014 10:16:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

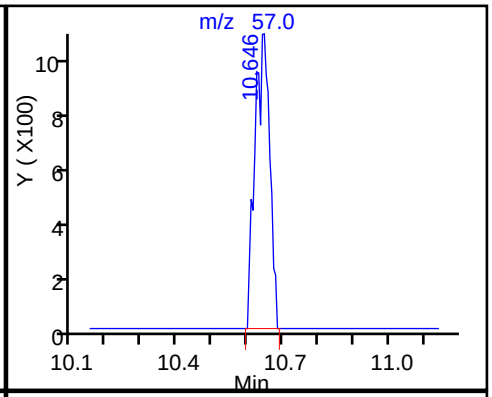
TestAmerica Burlington

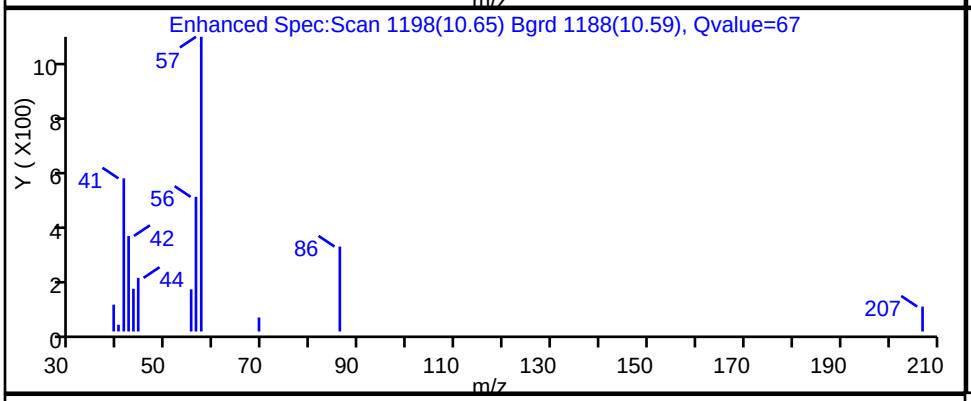
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_012.d

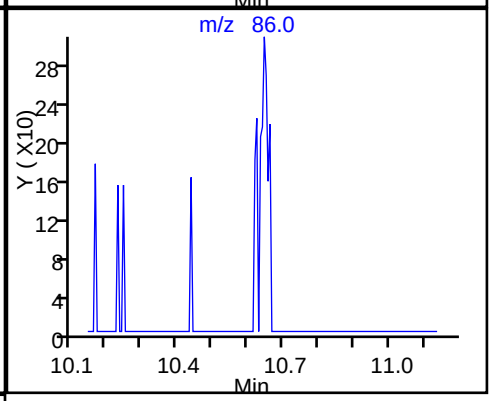
Injection Date:	17-Jul-2014 19:58:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-8	Lab Sample ID:	200-23187-8		
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

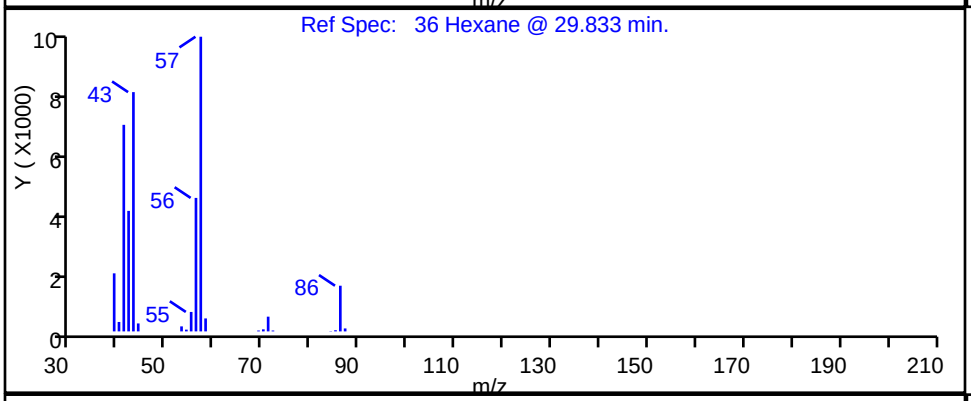
36 Hexane, CAS: 110-54-3

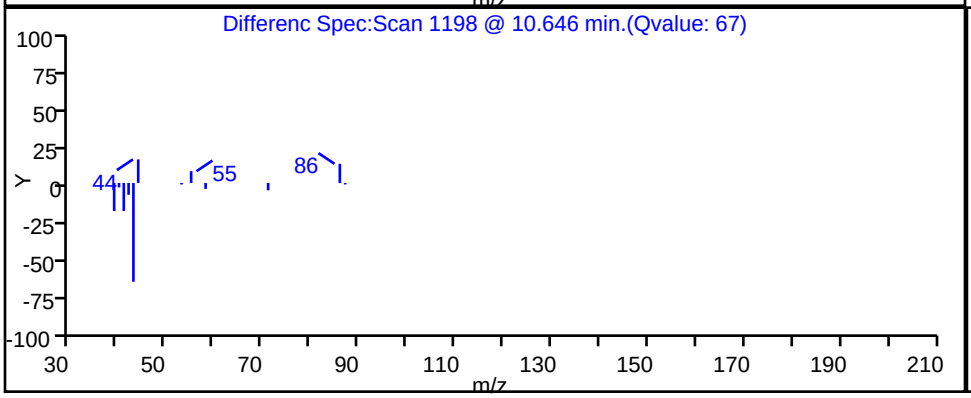


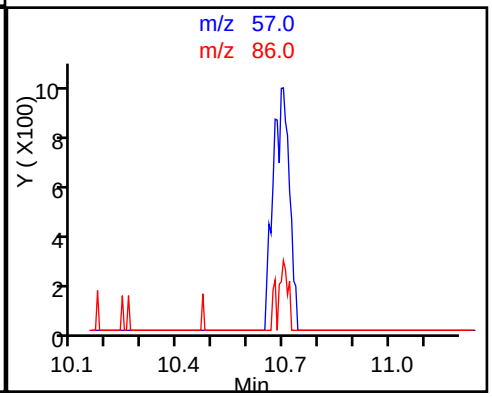












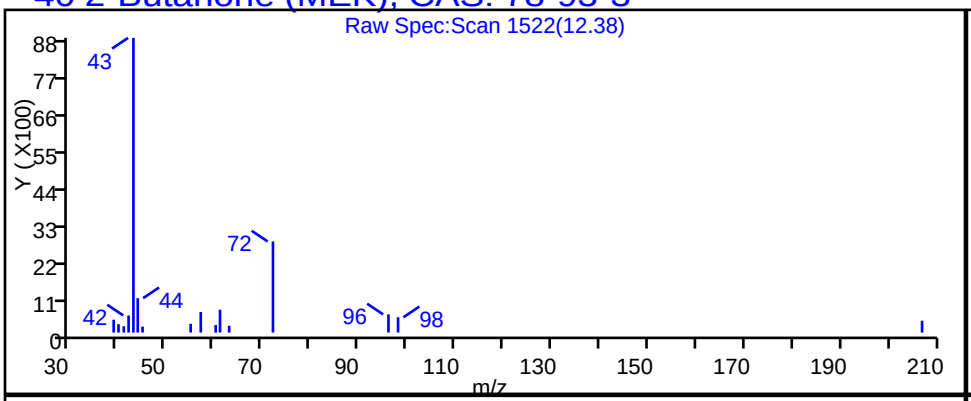
Report Date: 18-Jul-2014 10:16:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

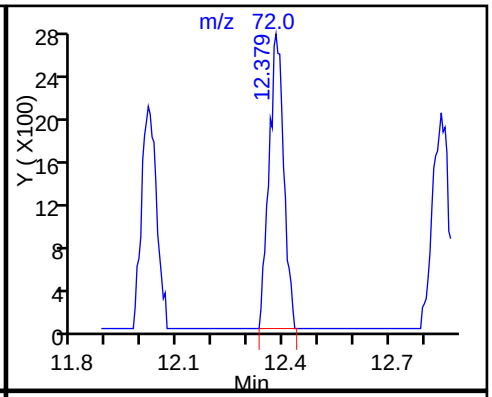
TestAmerica Burlington

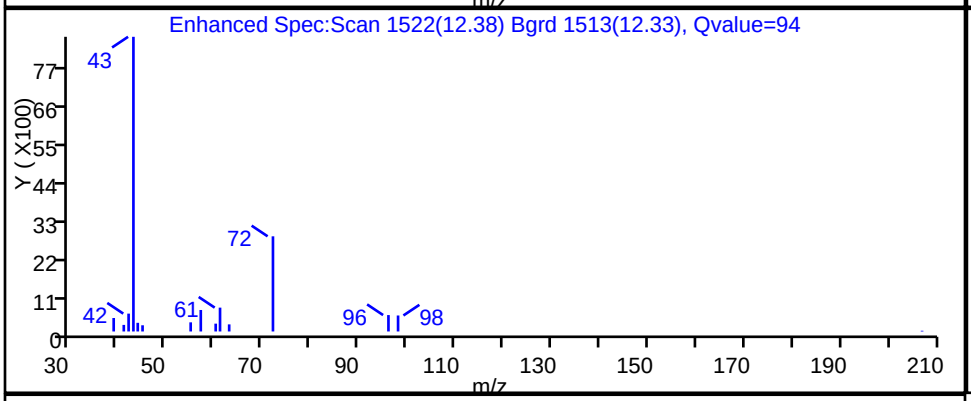
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_012.d

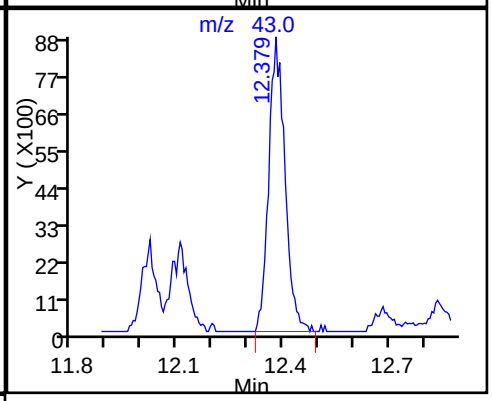
Injection Date:	17-Jul-2014 19:58:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-8	Lab Sample ID:	200-23187-8		
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

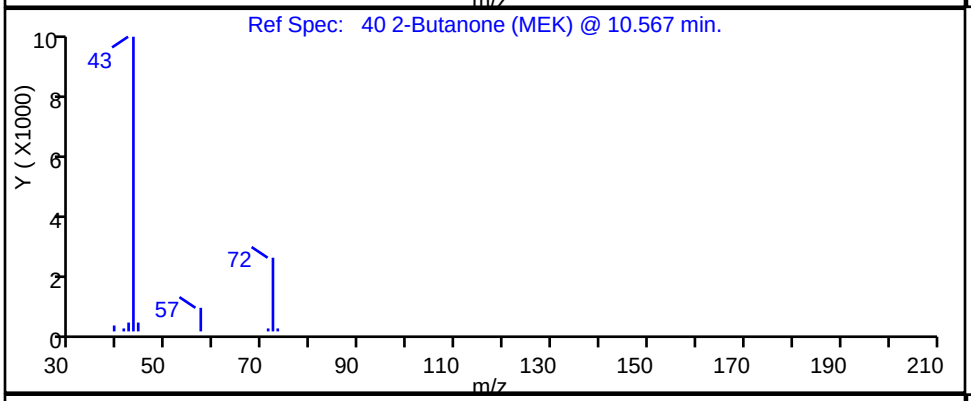
40 2-Butanone (MEK), CAS: 78-93-3

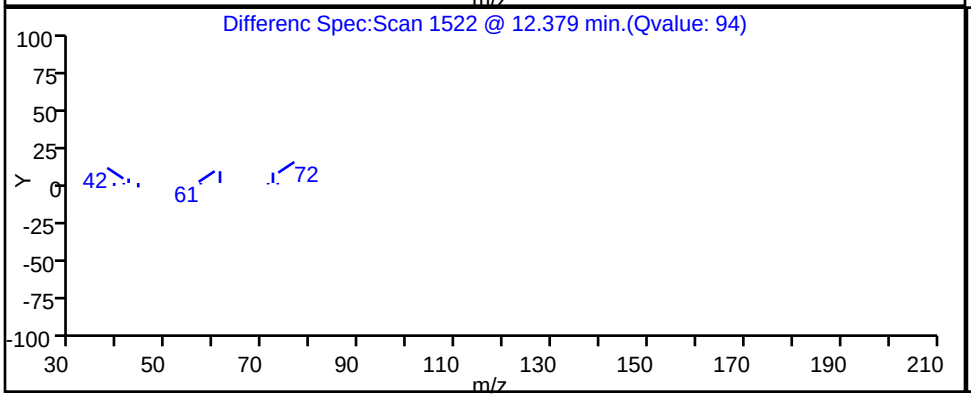


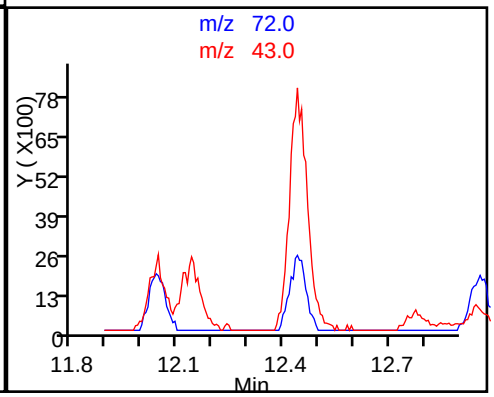












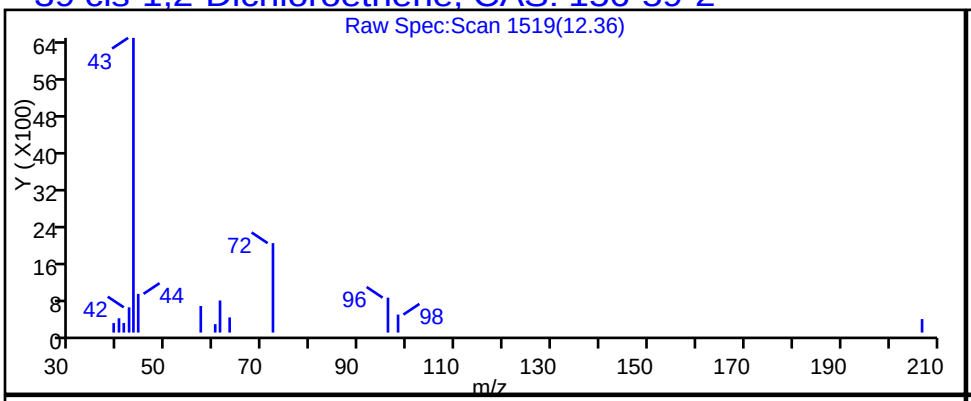
Report Date: 18-Jul-2014 10:16:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

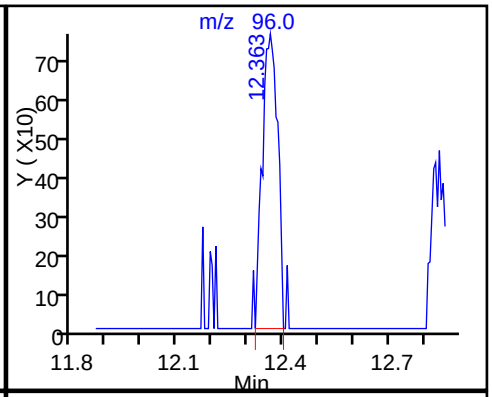
TestAmerica Burlington

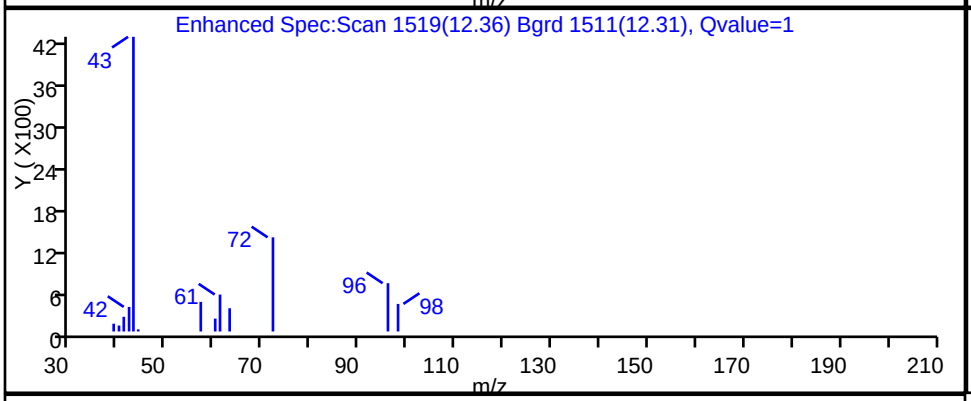
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_012.d

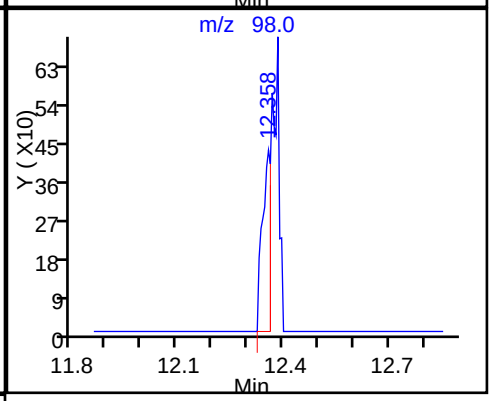
Injection Date:	17-Jul-2014 19:58:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-8	Lab Sample ID:	200-23187-8		
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

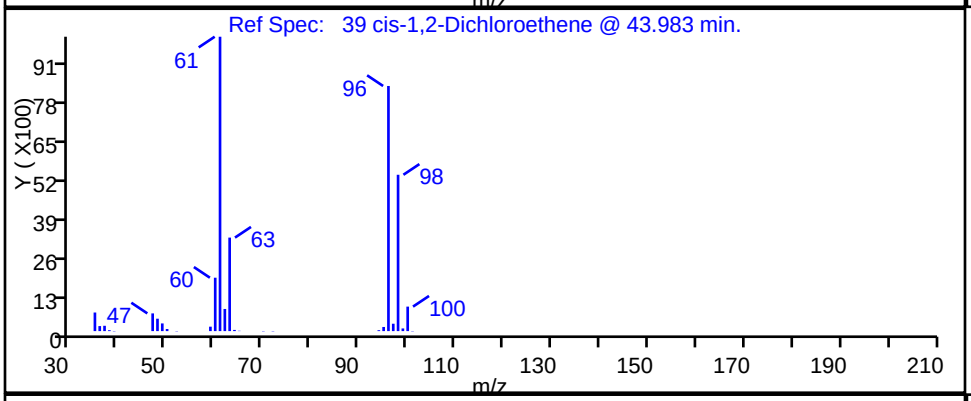
39 cis-1,2-Dichloroethene, CAS: 156-59-2

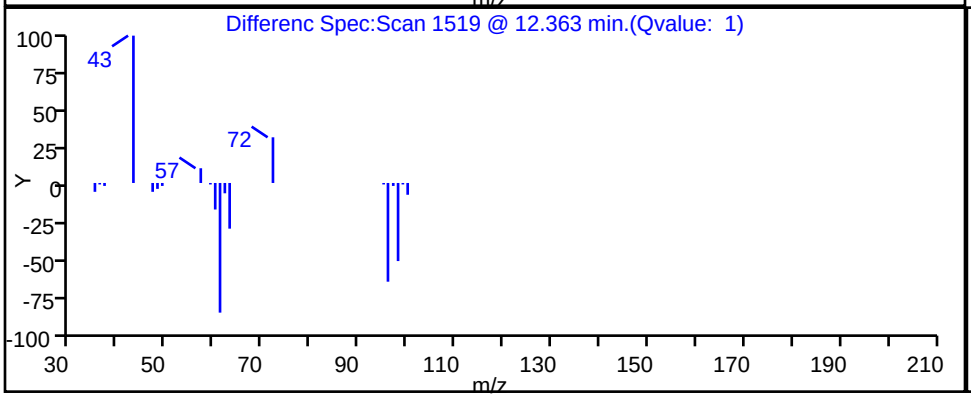


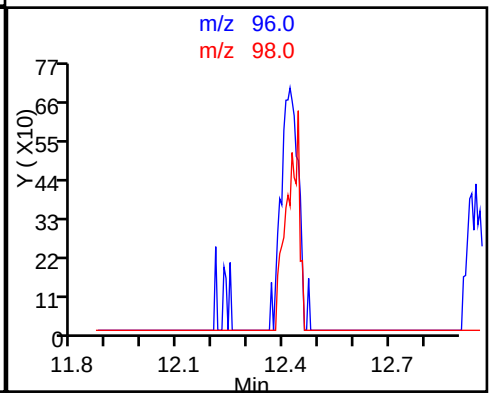












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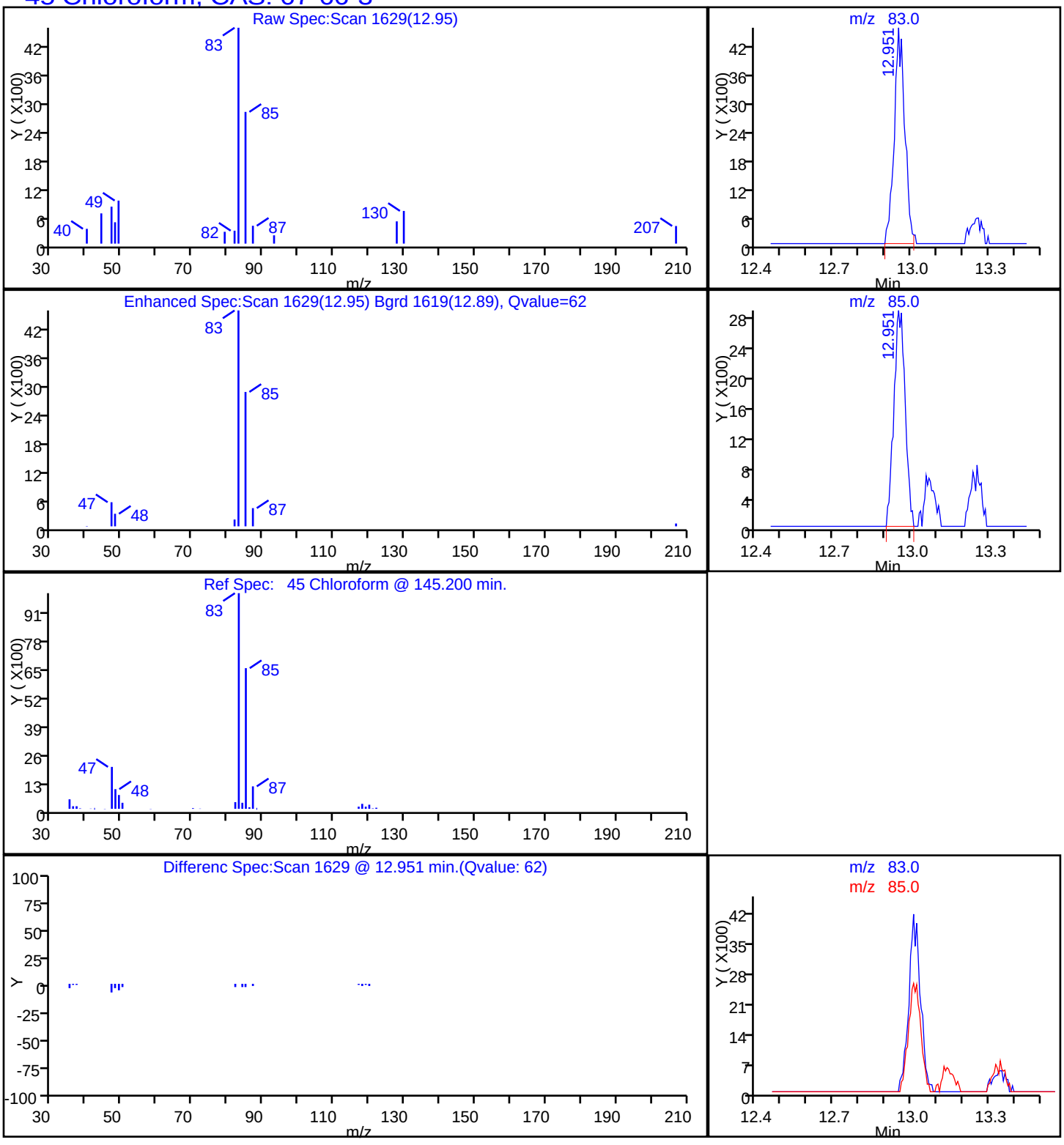
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_012.d

Injection Date:	17-Jul-2014 19:58:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-8	Lab Sample ID:	200-23187-8		
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



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TestAmerica Burlington

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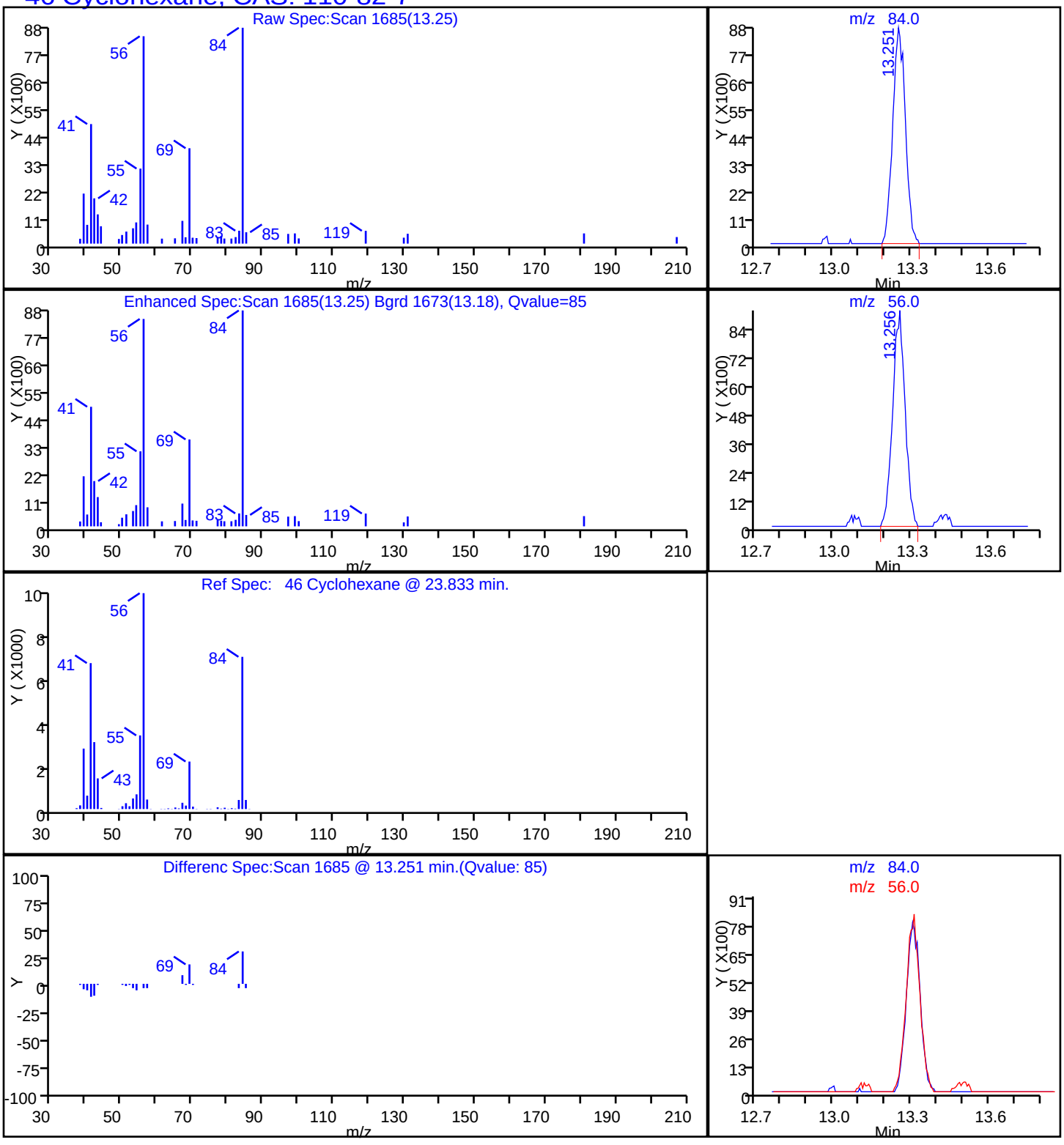
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



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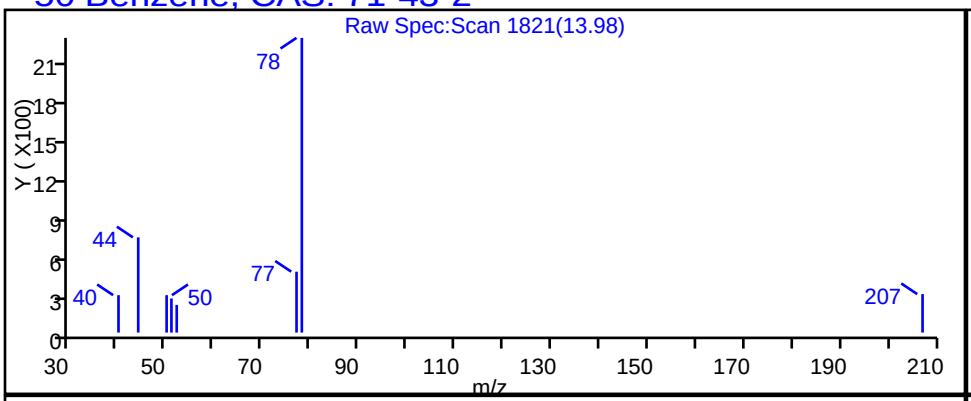
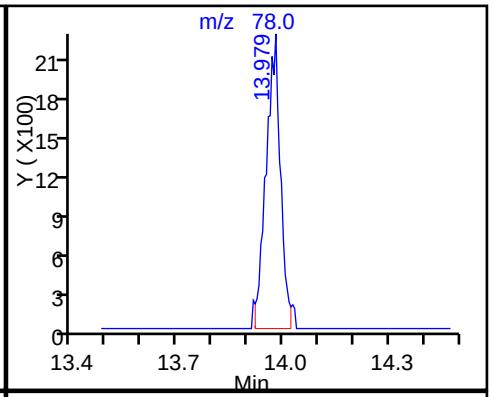
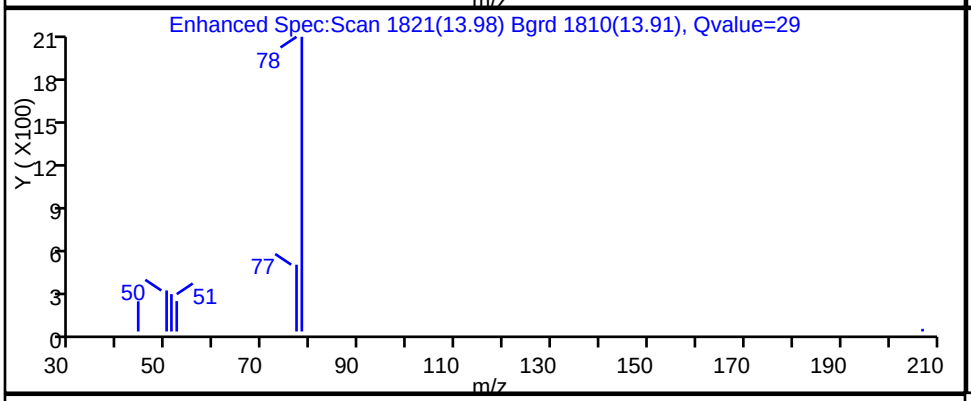
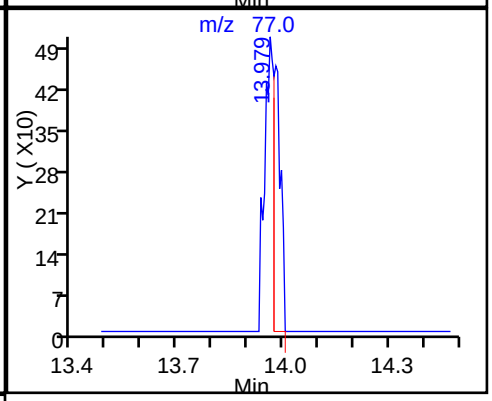
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

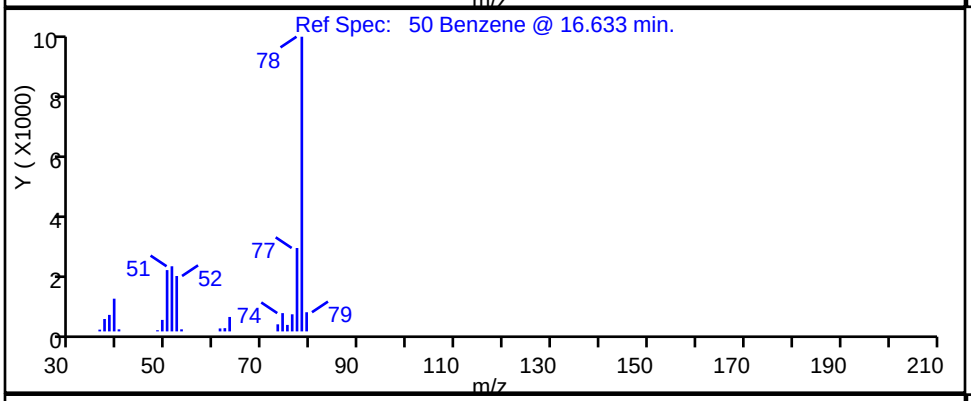
50 Benzene, CAS: 71-43-2

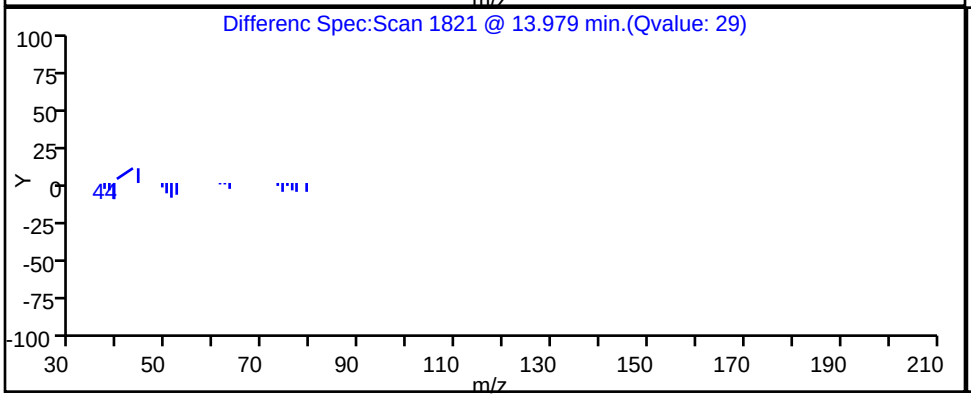


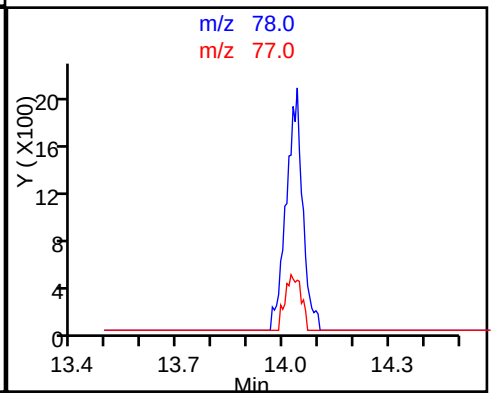












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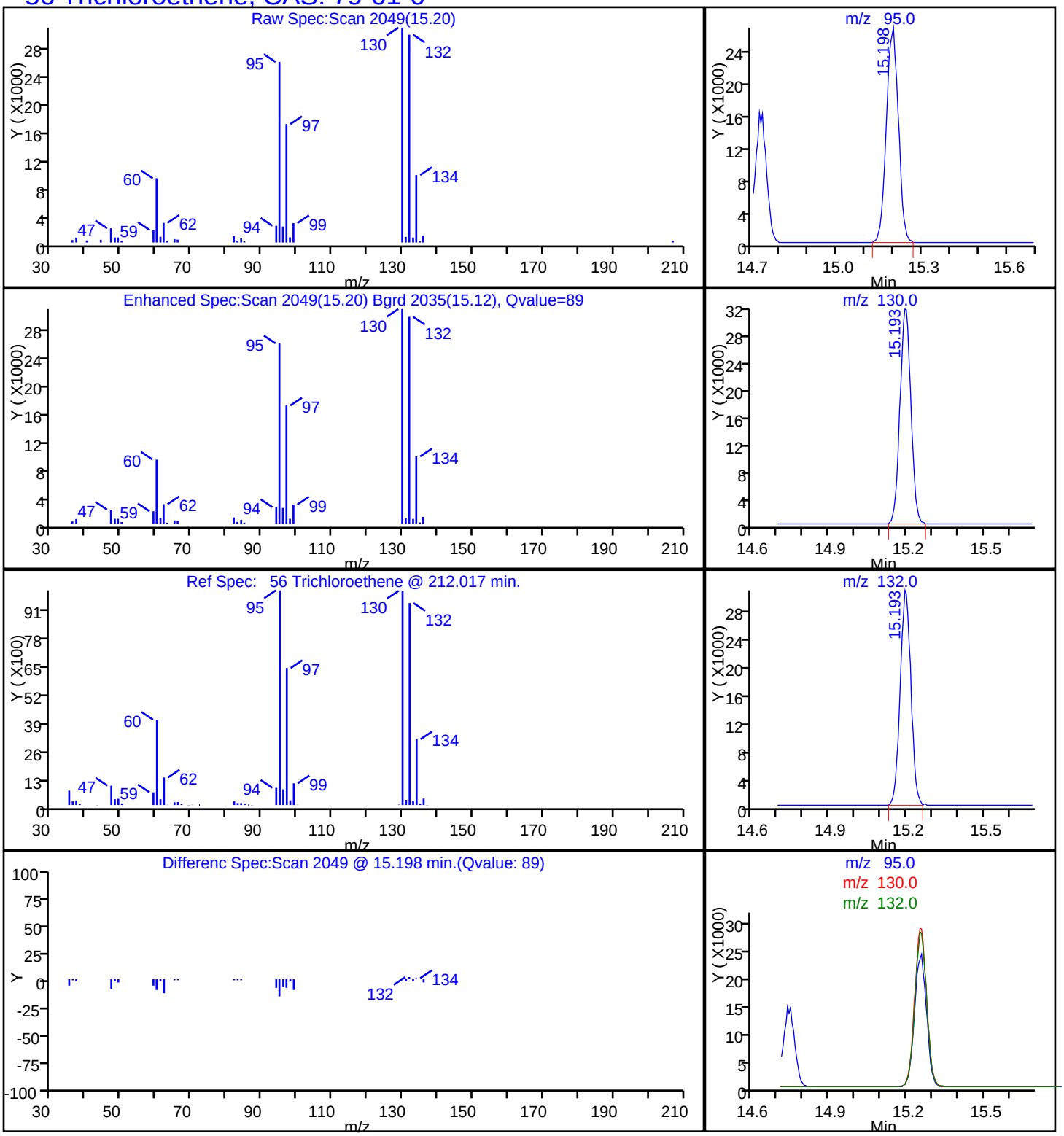
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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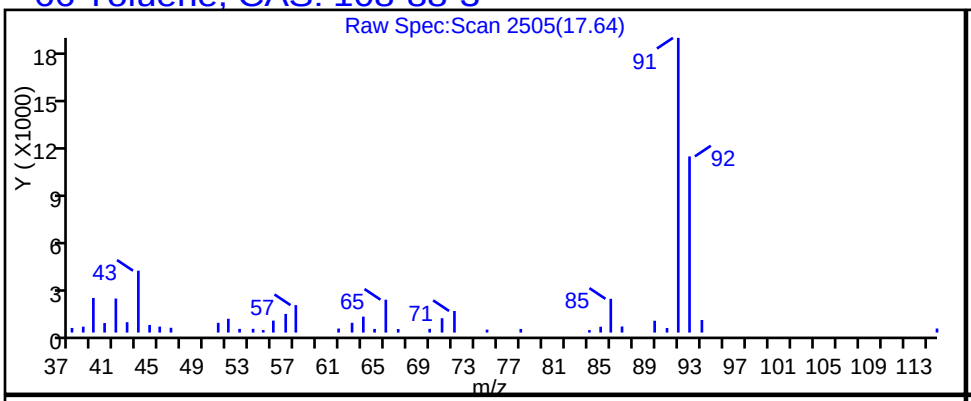
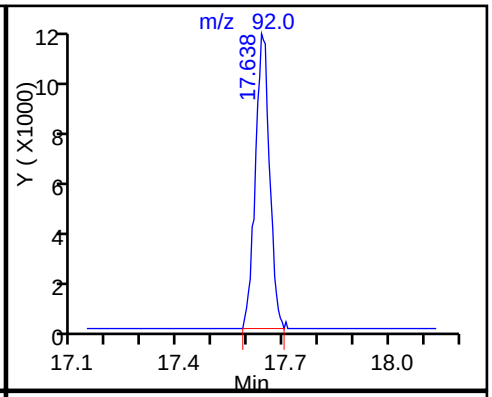
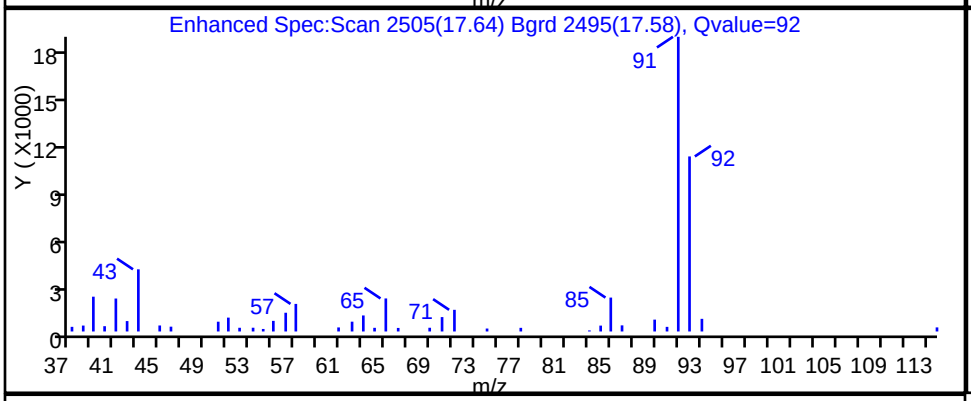
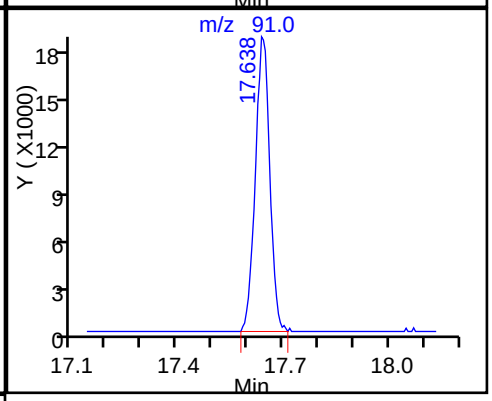
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

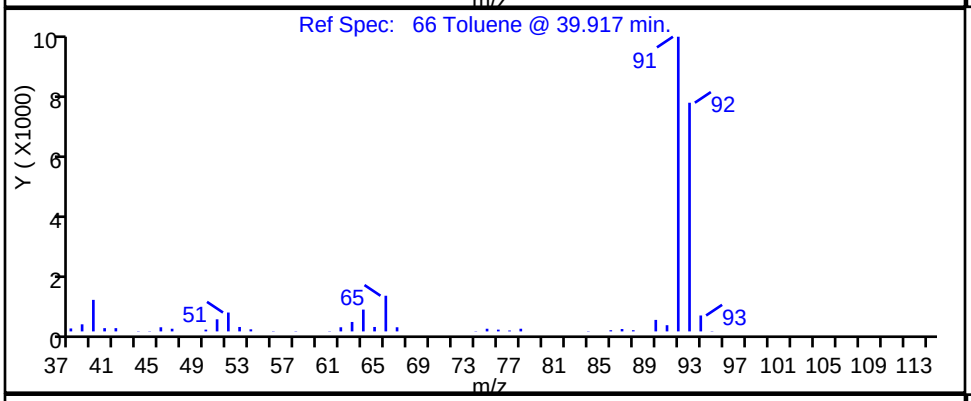
66 Toluene, CAS: 108-88-3

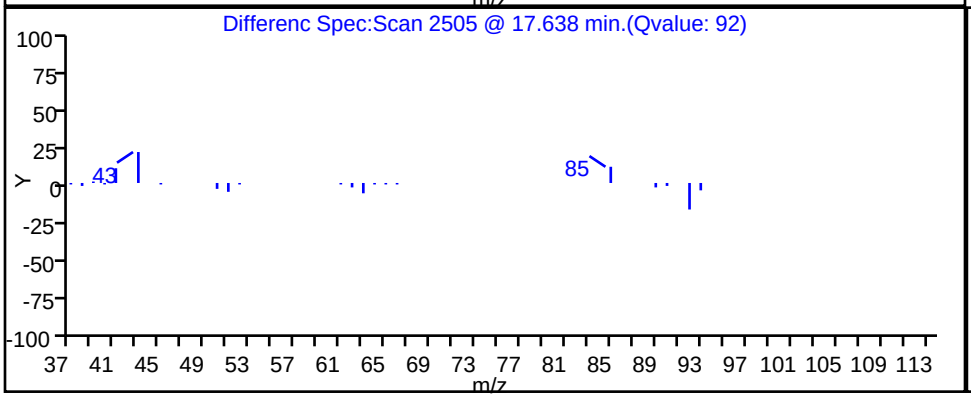


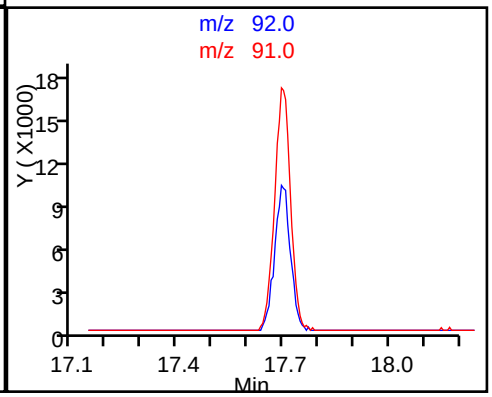












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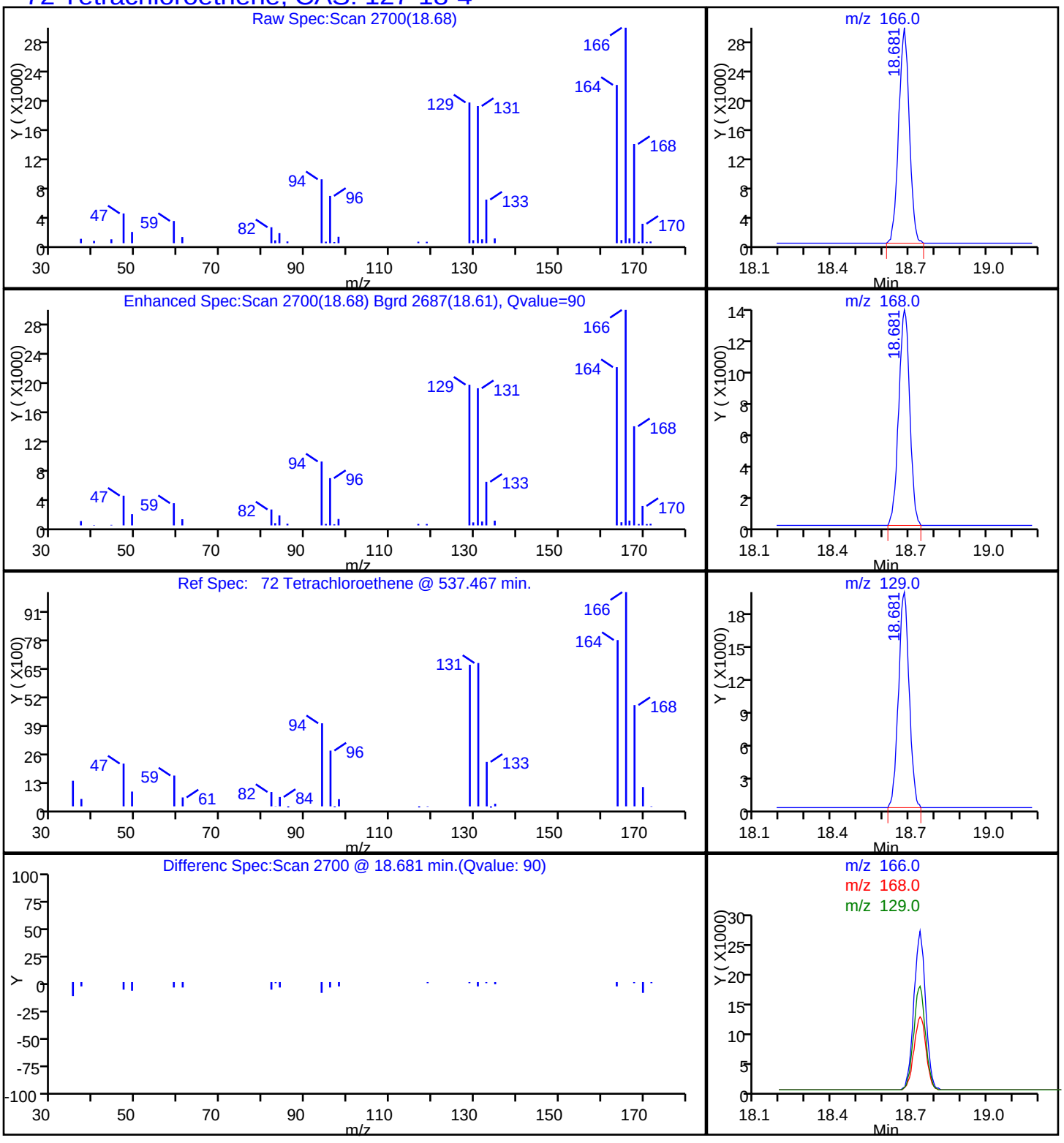
Lims ID:	200-23187-A-8	Lab Sample ID:	200-23187-8		
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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Injection Date:	17-Jul-2014 19:58:30	Instrument ID:	CHW.i		
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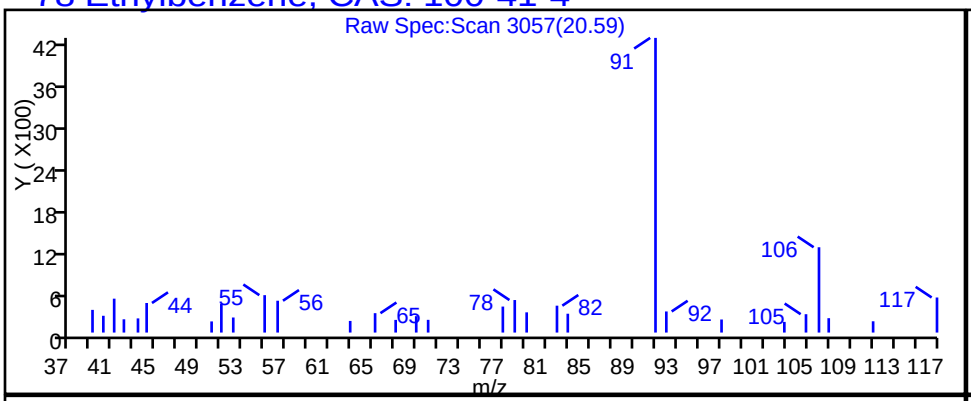
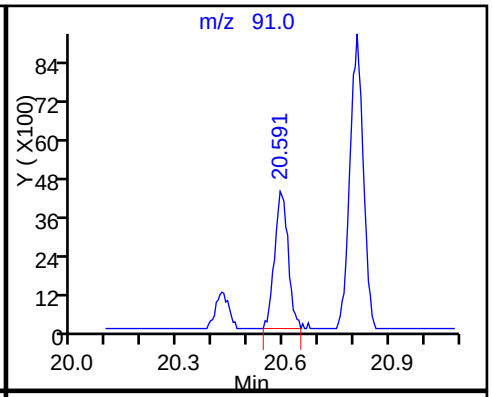
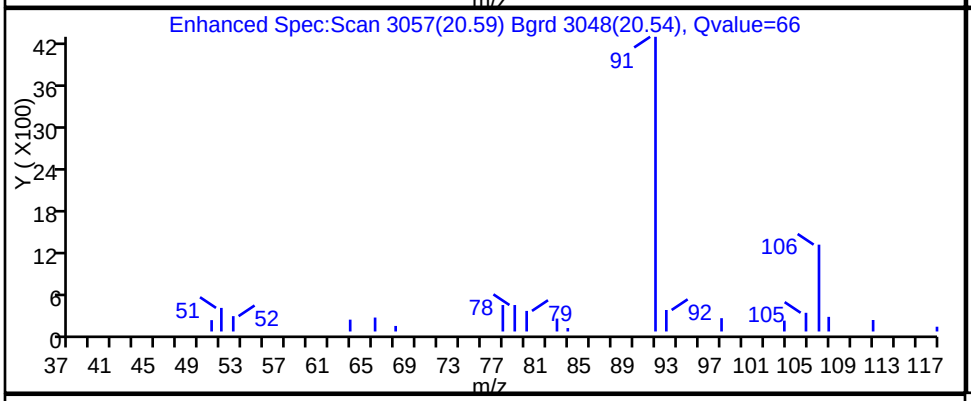
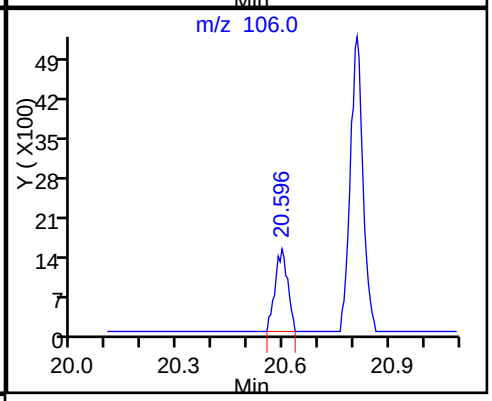
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

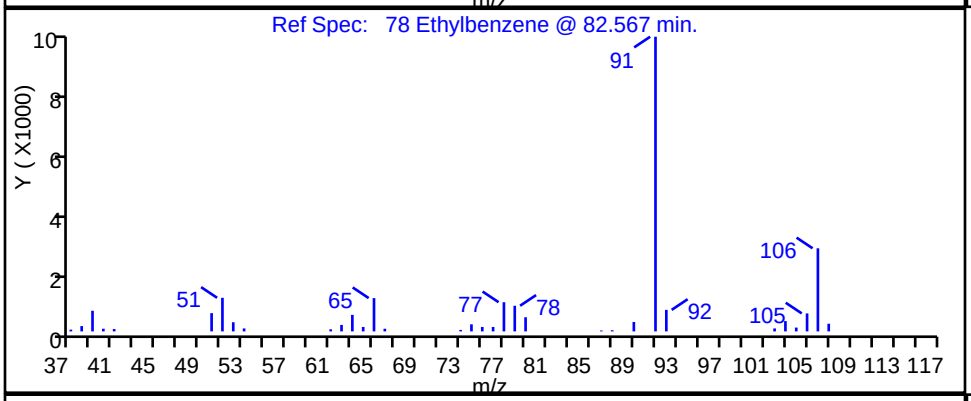
78 Ethylbenzene, CAS: 100-41-4

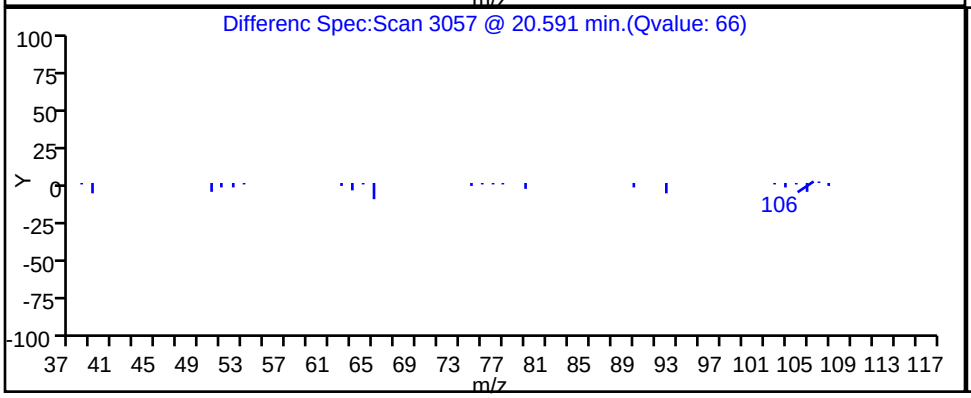


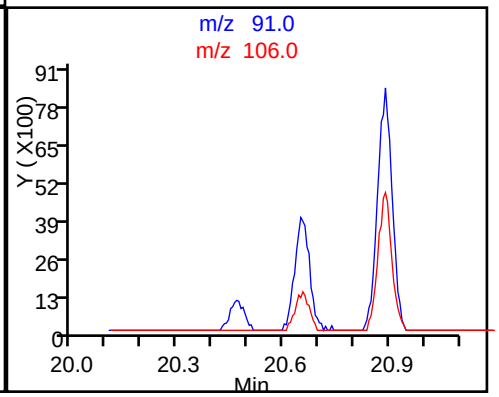












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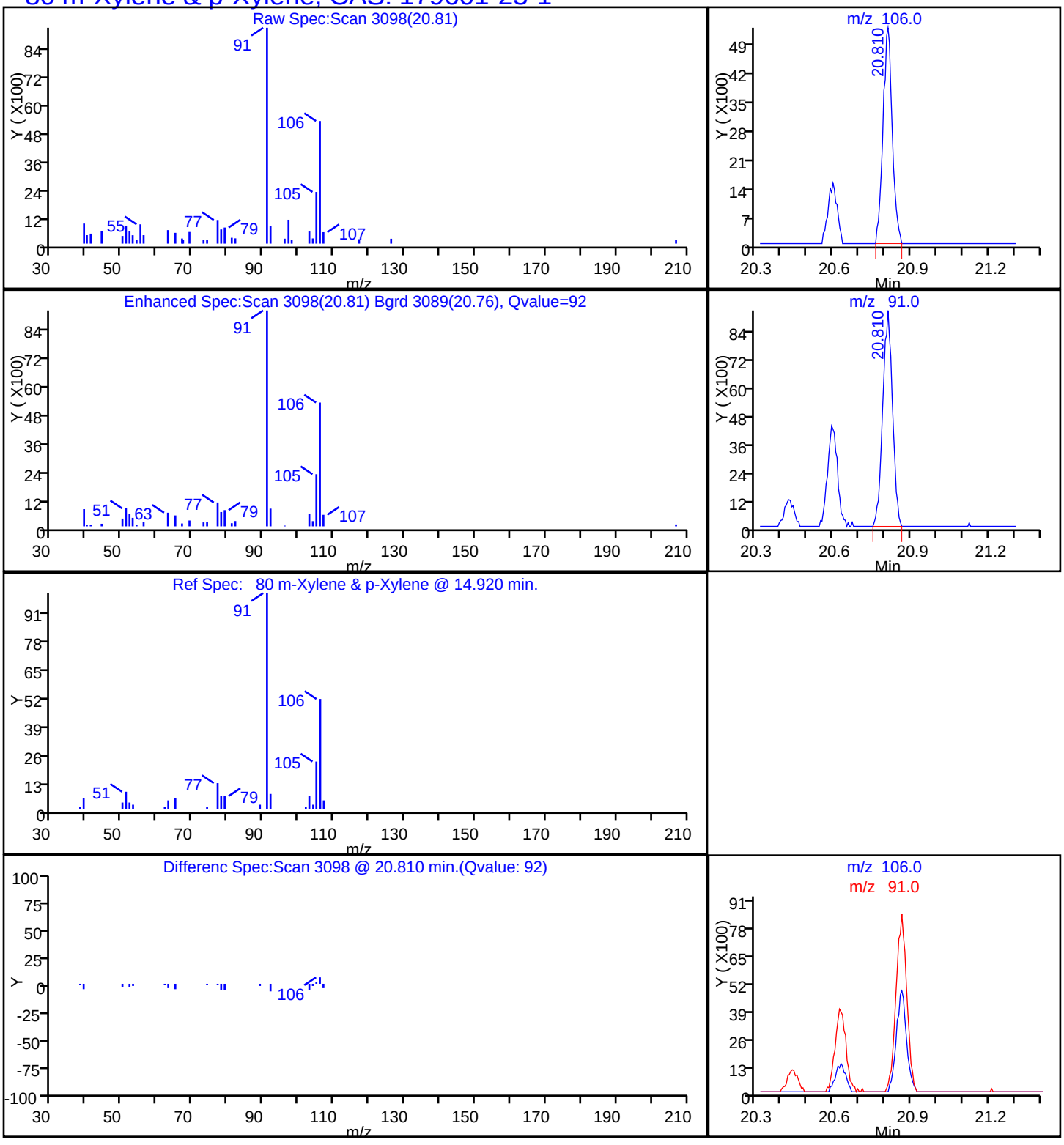
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



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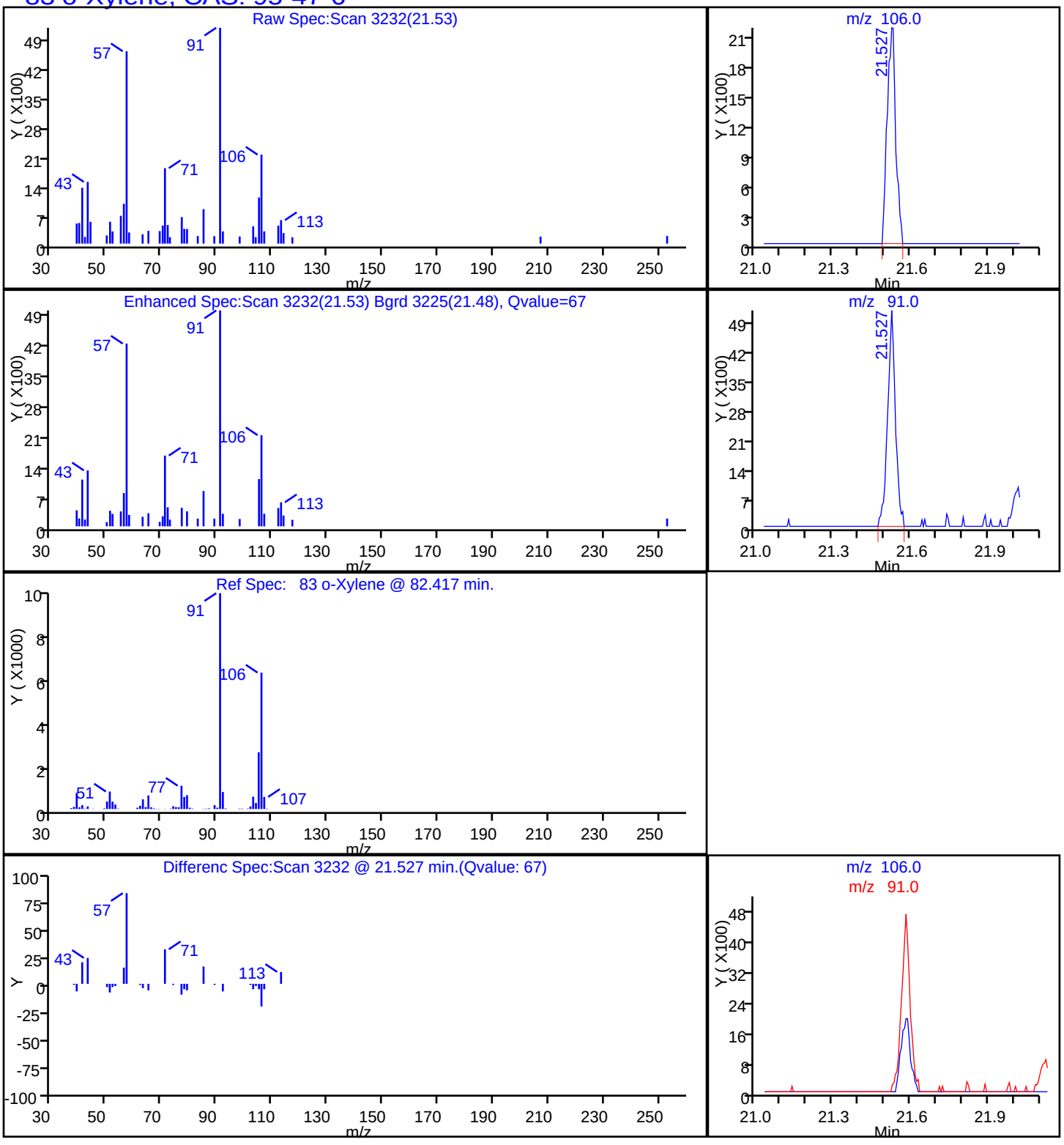
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



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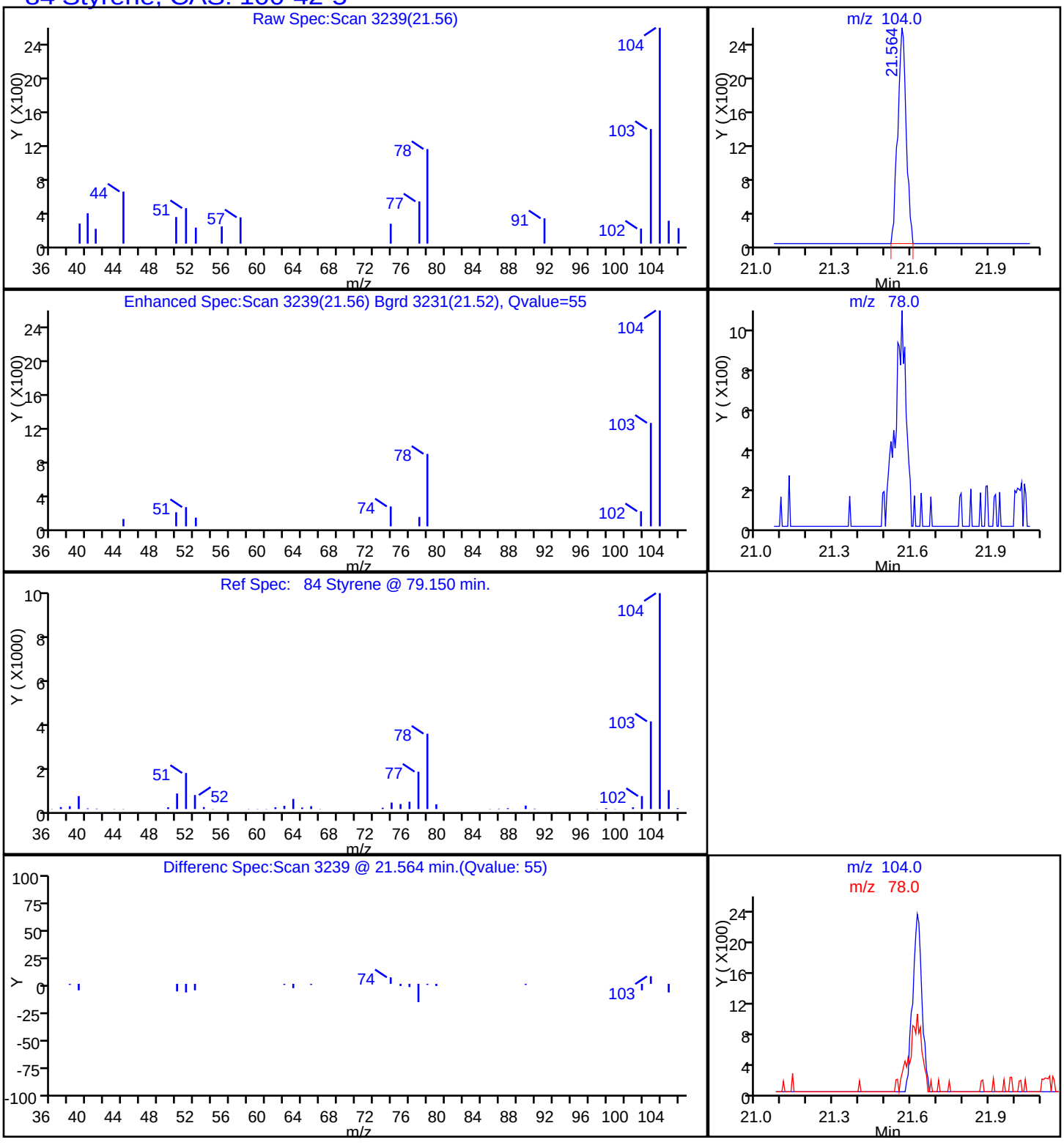
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5



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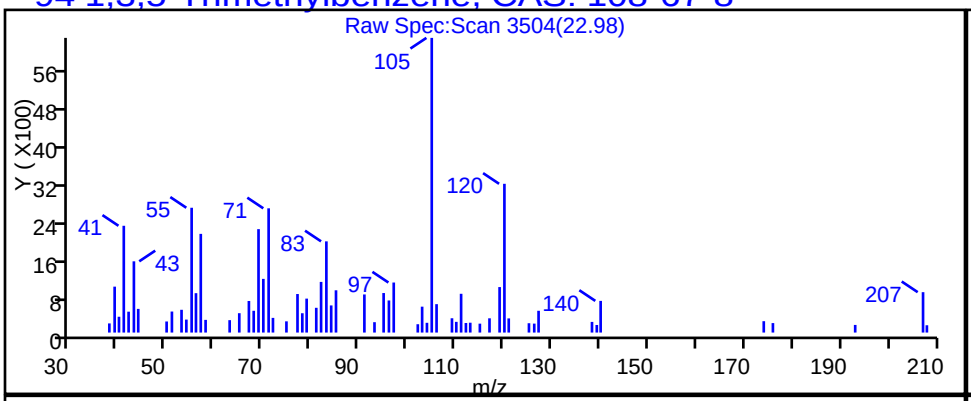
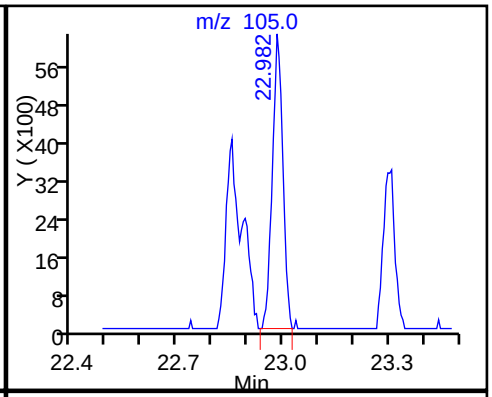
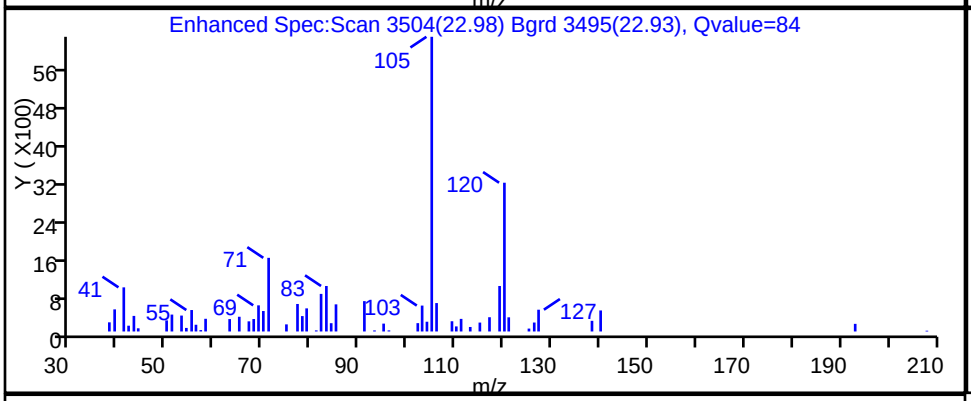
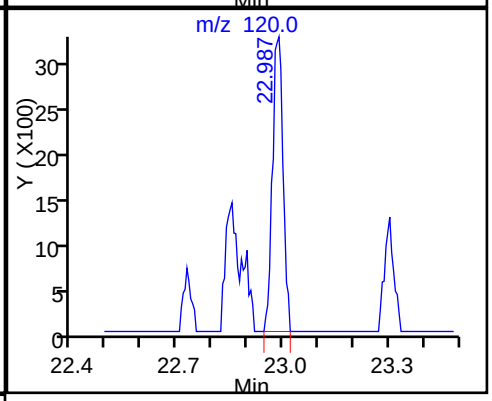
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

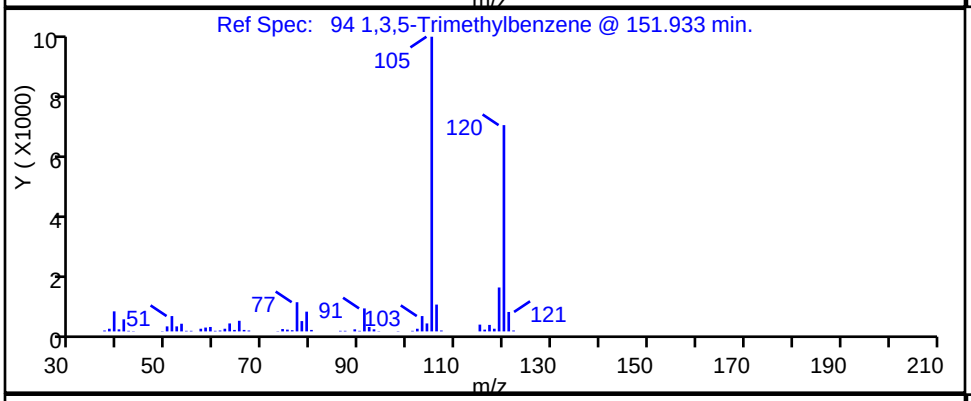
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

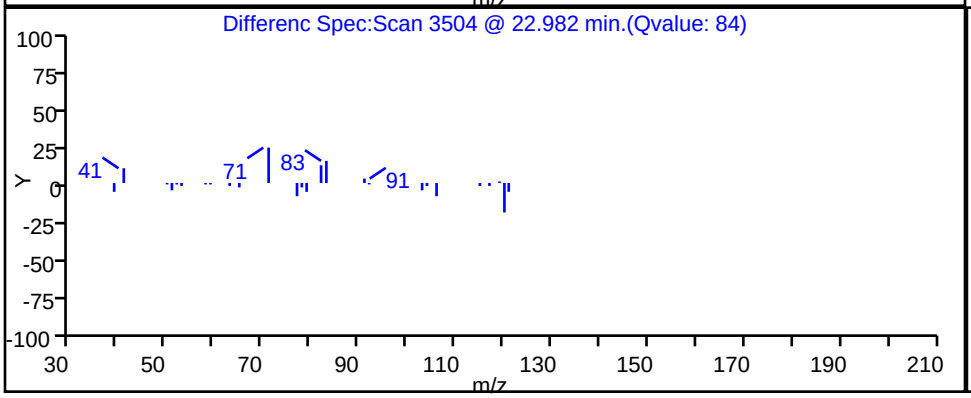


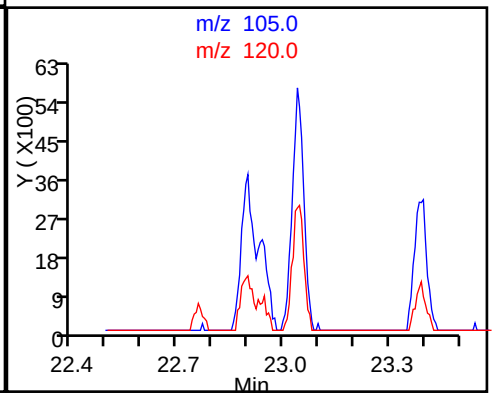












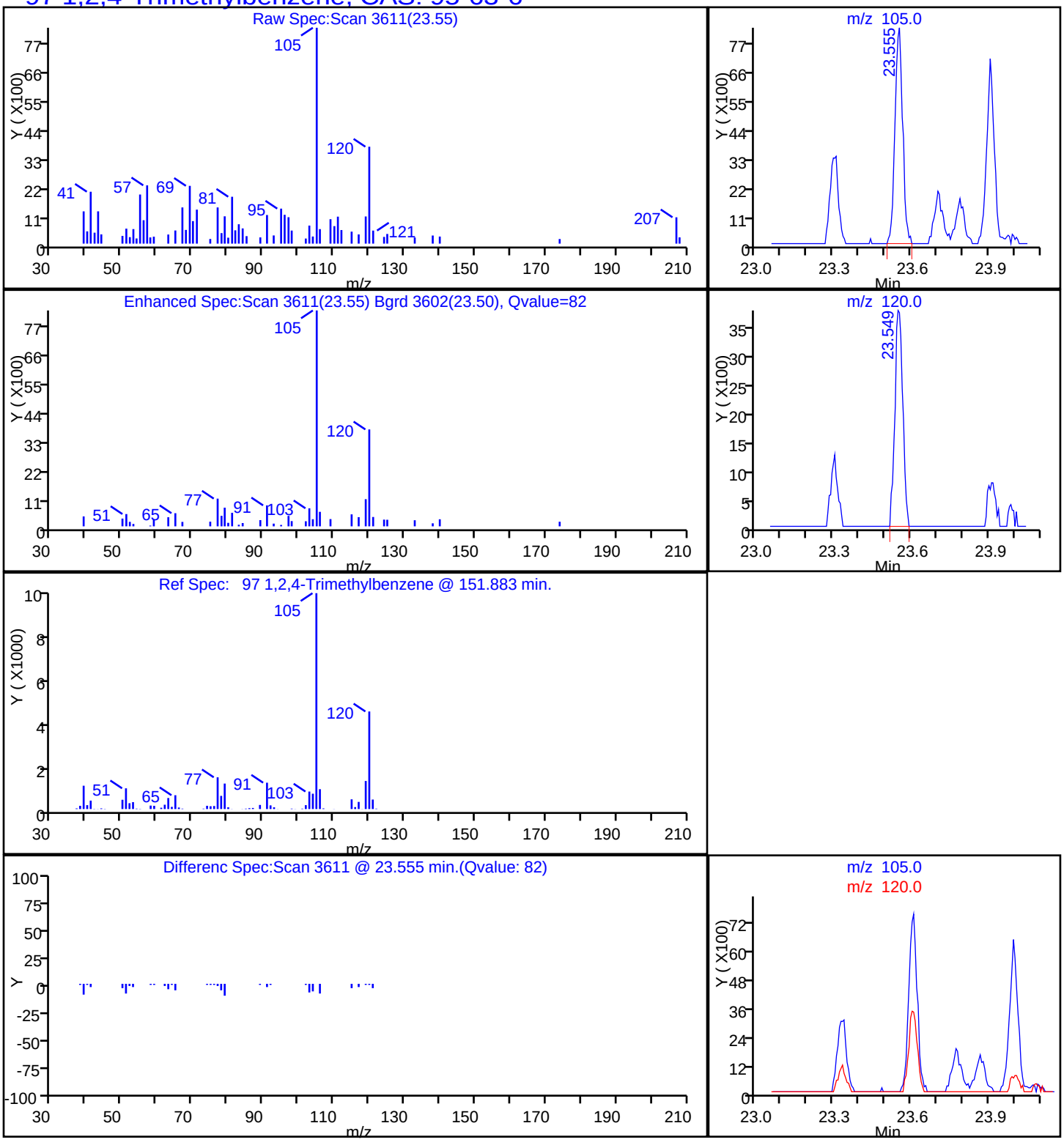
Report Date: 18-Jul-2014 10:16:56 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_012.d

Injection Date:	17-Jul-2014 19:58:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-8	Lab Sample ID:	200-23187-8		
Client ID:	SDS-3				
Operator ID:	bl	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 1,2,4-Trimethylbenzene, CAS: 95-63-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-4 Lab Sample ID: 200-23187-9

Matrix: Air Lab File ID: 8602_013.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:43

Sample wt/vol: 80(mL) Date Analyzed: 07/17/2014 20:48

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.60	J	1.3	0.075
75-45-6	Freon 22	86.47	1.3	U	1.3	0.12
76-14-2	Freon-114	170.92	0.50	U	0.50	0.088
74-87-3	Chloromethane	50.49	0.53	J	1.3	0.34
106-97-8	n-Butane	58.12	1.3	U	1.3	0.71
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.095
106-99-0	1,3-Butadiene	54.09	0.16	J	0.50	0.11
74-83-9	Bromomethane	94.94	0.50	U	0.50	0.070
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.075
593-60-2	Vinyl bromide	106.96	0.50	U	0.50	0.075
75-69-4	Freon 11	137.37	0.35	J	0.50	0.075
76-13-1	Freon 113	187.38	0.13	J	0.50	0.045
75-35-4	1,1-Dichloroethene	96.94	0.50	U	0.50	0.060
67-64-1	Acetone	58.08	8.9	J	13	3.1
67-63-0	Isopropyl alcohol	60.10	60		13	0.54
75-15-0	Carbon disulfide	76.14	0.21	J	1.3	0.17
107-05-1	Allyl chloride	76.53	1.3	U	1.3	0.085
75-09-2	Methylene Chloride	84.93	15		1.3	0.31
75-65-0	tert-Butyl alcohol	74.12	13	U	13	0.82
1634-04-4	Methyl tert-butyl ether	88.15	0.50	U	0.50	0.055
156-60-5	trans-1,2-Dichloroethene	96.94	0.13	J	0.50	0.073
110-54-3	Hexane	86.17	0.25	J	0.50	0.085
75-34-3	1,1-Dichloroethane	98.96	0.50	U	0.50	0.095
78-93-3	Methyl Ethyl Ketone	72.11	1.3	U	1.3	0.61
156-59-2	cis-1,2-Dichloroethene	96.94	0.45	J	0.50	0.095
540-59-0	1,2-Dichloroethene, Total	96.94	0.58		0.50	0.16
67-66-3	Chloroform	119.38	0.74		0.50	0.063
109-99-9	Tetrahydrofuran	72.11	13	U	13	0.12
71-55-6	1,1,1-Trichloroethane	133.41	0.50	U	0.50	0.053
110-82-7	Cyclohexane	84.16	16		0.50	0.063
56-23-5	Carbon tetrachloride	153.81	0.083	J	0.10	0.053
540-84-1	2,2,4-Trimethylpentane	114.23	0.50	U	0.50	0.068
71-43-2	Benzene	78.11	0.11	J	0.50	0.048
107-06-2	1,2-Dichloroethane	98.96	0.50	U	0.50	0.043
142-82-5	Heptane	100.21	0.13	J	0.50	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-4 Lab Sample ID: 200-23187-9

Matrix: Air Lab File ID: 8602_013.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:43

Sample wt/vol: 80(mL) Date Analyzed: 07/17/2014 20:48

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.8		0.10	0.060
80-62-6	Methyl methacrylate	100.12	1.3	U	1.3	0.075
78-87-5	1,2-Dichloropropane	112.99	0.50	U	0.50	0.080
123-91-1	1,4-Dioxane	88.11	13	U	13	0.50
75-27-4	Bromodichloromethane	163.83	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	110.97	0.50	U	0.50	0.070
108-10-1	methyl isobutyl ketone	100.16	1.3	U	1.3	0.068
108-88-3	Toluene	92.14	1.1		0.50	0.043
10061-02-6	trans-1,3-Dichloropropene	110.97	0.50	U	0.50	0.055
79-00-5	1,1,2-Trichloroethane	133.41	0.50	U	0.50	0.043
127-18-4	Tetrachloroethene	165.83	26		0.50	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.3	U	1.3	0.50
124-48-1	Dibromochloromethane	208.29	0.50	U	0.50	0.050
106-93-4	1,2-Dibromoethane	187.87	0.50	U	0.50	0.050
108-90-7	Chlorobenzene	112.56	0.50	U	0.50	0.020
100-41-4	Ethylbenzene	106.17	0.60		0.50	0.033
179601-23-1	m,p-Xylene	106.17	0.93	J	1.3	0.058
95-47-6	Xylene, o-	106.17	1.1		0.50	0.040
1330-20-7	Xylene (total)	106.17	2.0		0.50	0.085
100-42-5	Styrene	104.15	0.44	J	0.50	0.045
75-25-2	Bromoform	252.75	0.50	U	0.50	0.025
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.50	U	0.50	0.040
103-65-1	n-Propylbenzene	120.19	0.50	U	0.50	0.20
622-96-8	4-Ethyltoluene	120.20	0.25	J	0.50	0.045
108-67-8	1,3,5-Trimethylbenzene	120.20	0.67		0.50	0.030
95-49-8	2-Chlorotoluene	126.59	0.50	U	0.50	0.033
98-06-6	tert-Butylbenzene	134.22	0.50	U	0.50	0.043
95-63-6	1,2,4-Trimethylbenzene	120.20	0.72		0.50	0.035
135-98-8	sec-Butylbenzene	134.22	0.50	U	0.50	0.20
99-87-6	4-Isopropyltoluene	134.22	0.48	J	0.50	0.20
541-73-1	1,3-Dichlorobenzene	147.00	0.042	J B	0.50	0.035
106-46-7	1,4-Dichlorobenzene	147.00	0.50	U	0.50	0.035
100-44-7	Benzyl chloride	126.58	0.50	U	0.50	0.20
104-51-8	n-Butylbenzene	134.22	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-4 Lab Sample ID: 200-23187-9

Matrix: Air Lab File ID: 8602_013.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:43

Sample wt/vol: 80(mL) Date Analyzed: 07/17/2014 20:48

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.50	U	0.50	0.035
120-82-1	1,2,4-Trichlorobenzene	181.45	1.3	U	1.3	0.068
87-68-3	Hexachloro-1,3-butadiene	260.76	0.50	U	0.50	0.055
91-20-3	Naphthalene	128.17	1.3	U	1.3	0.50

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-4 Lab Sample ID: 200-23187-9

Matrix: Air Lab File ID: 8602_013.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:43

Sample wt/vol: 80(mL) Date Analyzed: 07/17/2014 20:48

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	3.0	J	6.2	0.37
75-45-6	Freon 22	86.47	4.4	U	4.4	0.42
76-14-2	Freon-114	170.92	3.5	U	3.5	0.61
74-87-3	Chloromethane	50.49	1.1	J	2.6	0.70
106-97-8	n-Butane	58.12	3.0	U	3.0	1.7
75-01-4	Vinyl chloride	62.50	0.26	U	0.26	0.24
106-99-0	1,3-Butadiene	54.09	0.35	J	1.1	0.23
74-83-9	Bromomethane	94.94	1.9	U	1.9	0.27
75-00-3	Chloroethane	64.52	3.3	U	3.3	0.20
593-60-2	Vinyl bromide	106.96	2.2	U	2.2	0.33
75-69-4	Freon 11	137.37	2.0	J	2.8	0.42
76-13-1	Freon 113	187.38	0.96	J	3.8	0.34
75-35-4	1,1-Dichloroethene	96.94	2.0	U	2.0	0.24
67-64-1	Acetone	58.08	21	J	30	7.4
67-63-0	Isopropyl alcohol	60.10	150		31	1.3
75-15-0	Carbon disulfide	76.14	0.65	J	3.9	0.51
107-05-1	Allyl chloride	76.53	3.9	U	3.9	0.27
75-09-2	Methylene Chloride	84.93	54		4.3	1.1
75-65-0	tert-Butyl alcohol	74.12	38	U	38	2.5
1634-04-4	Methyl tert-butyl ether	88.15	1.8	U	1.8	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	0.51	J	2.0	0.29
110-54-3	Hexane	86.17	0.88	J	1.8	0.30
75-34-3	1,1-Dichloroethane	98.96	2.0	U	2.0	0.38
78-93-3	Methyl Ethyl Ketone	72.11	3.7	U	3.7	1.8
156-59-2	cis-1,2-Dichloroethene	96.94	1.8	J	2.0	0.38
540-59-0	1,2-Dichloroethene, Total	96.94	2.3		2.0	0.63
67-66-3	Chloroform	119.38	3.6		2.4	0.31
109-99-9	Tetrahydrofuran	72.11	37	U	37	0.34
71-55-6	1,1,1-Trichloroethane	133.41	2.7	U	2.7	0.29
110-82-7	Cyclohexane	84.16	54		1.7	0.22
56-23-5	Carbon tetrachloride	153.81	0.52	J	0.63	0.33
540-84-1	2,2,4-Trimethylpentane	114.23	2.3	U	2.3	0.32
71-43-2	Benzene	78.11	0.34	J	1.6	0.15
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	0.17
142-82-5	Heptane	100.21	0.53	J	2.0	0.47

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-4 Lab Sample ID: 200-23187-9

Matrix: Air Lab File ID: 8602_013.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:43

Sample wt/vol: 80(mL) Date Analyzed: 07/17/2014 20:48

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	15		0.54	0.32
80-62-6	Methyl methacrylate	100.12	5.1	U	5.1	0.31
78-87-5	1,2-Dichloropropane	112.99	2.3	U	2.3	0.37
123-91-1	1,4-Dioxane	88.11	45	U	45	1.8
75-27-4	Bromodichloromethane	163.83	3.4	U	3.4	0.28
10061-01-5	cis-1,3-Dichloropropene	110.97	2.3	U	2.3	0.32
108-10-1	methyl isobutyl ketone	100.16	5.1	U	5.1	0.28
108-88-3	Toluene	92.14	4.1		1.9	0.16
10061-02-6	trans-1,3-Dichloropropene	110.97	2.3	U	2.3	0.25
79-00-5	1,1,2-Trichloroethane	133.41	2.7	U	2.7	0.23
127-18-4	Tetrachloroethene	165.83	180		3.4	0.27
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.1	U	5.1	2.0
124-48-1	Dibromochloromethane	208.29	4.3	U	4.3	0.43
106-93-4	1,2-Dibromoethane	187.87	3.8	U	3.8	0.38
108-90-7	Chlorobenzene	112.56	2.3	U	2.3	0.093
100-41-4	Ethylbenzene	106.17	2.6		2.2	0.14
179601-23-1	m,p-Xylene	106.17	4.0	J	5.4	0.25
95-47-6	Xylene, o-	106.17	4.9		2.2	0.17
1330-20-7	Xylene (total)	106.17	8.8		2.2	0.37
100-42-5	Styrene	104.15	1.9	J	2.1	0.19
75-25-2	Bromoform	252.75	5.2	U	5.2	0.26
79-34-5	1,1,2,2-Tetrachloroethane	167.85	3.4	U	3.4	0.27
103-65-1	n-Propylbenzene	120.19	2.5	U	2.5	0.98
622-96-8	4-Ethyltoluene	120.20	1.2	J	2.5	0.22
108-67-8	1,3,5-Trimethylbenzene	120.20	3.3		2.5	0.15
95-49-8	2-Chlorotoluene	126.59	2.6	U	2.6	0.17
98-06-6	tert-Butylbenzene	134.22	2.7	U	2.7	0.23
95-63-6	1,2,4-Trimethylbenzene	120.20	3.5		2.5	0.17
135-98-8	sec-Butylbenzene	134.22	2.7	U	2.7	1.1
99-87-6	4-Isopropyltoluene	134.22	2.7	J	2.7	1.1
541-73-1	1,3-Dichlorobenzene	147.00	0.25	J B	3.0	0.21
106-46-7	1,4-Dichlorobenzene	147.00	3.0	U	3.0	0.21
100-44-7	Benzyl chloride	126.58	2.6	U	2.6	1.0
104-51-8	n-Butylbenzene	134.22	2.7	U	2.7	1.1

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-4 Lab Sample ID: 200-23187-9

Matrix: Air Lab File ID: 8602_013.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:43

Sample wt/vol: 80(mL) Date Analyzed: 07/17/2014 20:48

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	3.0	U	3.0	0.21
120-82-1	1,2,4-Trichlorobenzene	181.45	9.3	U	9.3	0.50
87-68-3	Hexachloro-1,3-butadiene	260.76	5.3	U	5.3	0.59
91-20-3	Naphthalene	128.17	6.6	U	6.6	2.6

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d
Lims ID: 200-23187-A-9 Lab Sample ID: 200-23187-9
Client ID: SDS-4
Sample Type: Client
Inject. Date: 17-Jul-2014 20:48:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 2.5000
Sample Info: 200-0008602-013
Misc. Info.: 200-23187-A-9
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Jul-2014 10:06:54 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 18-Jul-2014 09:39:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.488	4.488	0.000	99	27409	0.2408	
6 Chlorodifluoromethane	51		4.552				ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.836				ND	
8 Chloromethane	50	5.039	5.034	0.005	98	7154	0.2124	
9 Butane	43		5.291				ND	
10 Vinyl chloride	62		5.349				ND	
11 Butadiene	54	5.457	5.446	0.011	89	1895	0.0637	
12 Bromomethane	94		6.318				ND	
14 Chloroethane	64		6.601				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101	7.201	7.190	0.011	96	17755	0.1414	
23 1,1,2-Trichloro-1,2,2-trif	101	8.442	8.436	0.006	93	4822	0.0501	
24 1,1-Dichloroethene	96		8.511				ND	
25 Acetone	43	8.747	8.741	0.006	89	211089	3.55	
26 Carbon disulfide	76	9.009	9.003	0.006	97	9813	0.0834	
27 Isopropyl alcohol	45	9.046	9.025	0.021	98	1197815	23.9	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49	9.731	9.731	0.000	84	252141	6.19	
32 2-Methyl-2-propanol	59		9.897				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61				0		0.2306	
34 trans-1,2-Dichloroethene	61	10.234	10.228	0.006	81	2936	0.0518	
36 Hexane	57	10.640	10.640	0.000	89	6817	0.0993	
37 1,1-Dichloroethane	63		11.191				ND	
39 cis-1,2-Dichloroethene	96	12.368	12.363	0.005	89	9488	0.1788	
40 2-Butanone (MEK)	72		12.379				ND	
44 Tetrahydrofuran	42		12.839				ND	
* 43 Chlorobromomethane	128	12.850	12.850	0.000	76	389298	10.0	
45 Chloroform	83	12.957	12.957	0.000	99	27391	0.2955	
46 Cyclohexane	84	13.256	13.256	0.000	86	444324	6.32	
47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	13.524	13.524	0.000	95	3633	0.0331	
51 Isooctane	57		13.909				ND	
50 Benzene	78	13.968	13.973	-0.005	93	6343	0.0426	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43	14.257	14.262	-0.005	83	3907	0.0514	
* 54 1,4-Difluorobenzene	114	14.728	14.727	0.001	92	1897142	10.0	
56 Trichloroethene	95	15.193	15.198	-0.005	94	77265	1.11	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.888				ND	
62 Dichlorobromomethane	83		16.209				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.301				ND	
66 Toluene	92	17.638	17.638	0.000	95	53649	0.4318	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166	18.681	18.681	0.000	96	1332982	10.4	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.8182	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	82	1748472	10.0	
77 Chlorobenzene	112		20.478				ND	
78 Ethylbenzene	91	20.596	20.596	0.000	97	59688	0.2416	
80 m-Xylene & p-Xylene	106	20.816	20.810	0.006	98	39197	0.3712	
83 o-Xylene	106	21.527	21.527	0.000	96	48200	0.4470	
84 Styrene	104	21.565	21.564	0.000	97	27306	0.1745	
85 Bromoform	173		21.949				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.436	-0.010	98	1143401	NC	
88 1,1,2,2-Tetrachloroethane	83		22.666				ND	
90 N-Propylbenzene	91		22.741				ND	
91 4-Ethyltoluene	105	22.891	22.907	-0.016	97	29186	0.0995	
92 2-Chlorotoluene	91		22.945				ND	
94 1,3,5-Trimethylbenzene	105	22.982	22.998	-0.016	93	66631	0.2661	
96 tert-Butylbenzene	119		23.474				ND	
97 1,2,4-Trimethylbenzene	105	23.555	23.565	-0.010	97	72304	0.2872	
98 sec-Butylbenzene	105		23.806				ND	
99 4-Isopropyltoluene	119	23.993	24.009	-0.016	98	61657	0.1932	
100 1,3-Dichlorobenzene	146	24.057	24.079	-0.022	88	3264	0.0167	
101 1,4-Dichlorobenzene	146		24.223				ND	
102 Benzyl chloride	91		24.432				ND	
103 n-Butylbenzene	91		24.640				ND	
105 1,2-Dichlorobenzene	146		24.828				ND	
107 1,2,4-Trichlorobenzene	180		27.706				ND	
108 Hexachlorobutadiene	225		27.904				ND	
109 Naphthalene	128		28.289				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

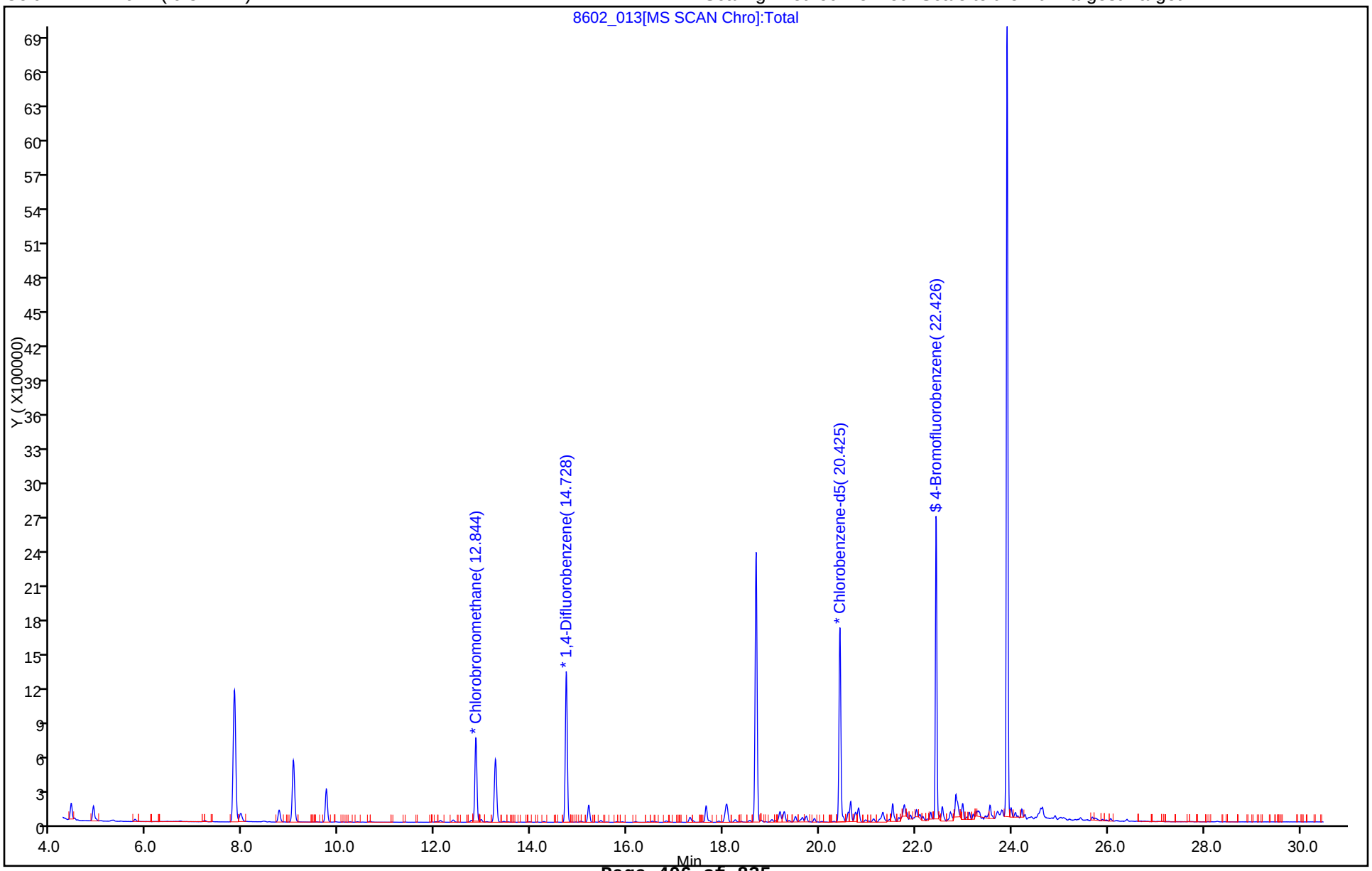
ATTO15WISs_00003	Amount Added:	20.00	Units: mL	Run Reagent

Report Date: 18-Jul-2014 10:16:57 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d				
Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9	Worklist Smp#:	13
Client ID:	SDS-4				
Purge Vol:	200.000 mL	Dil. Factor:	2.5000	ALS Bottle#:	12
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



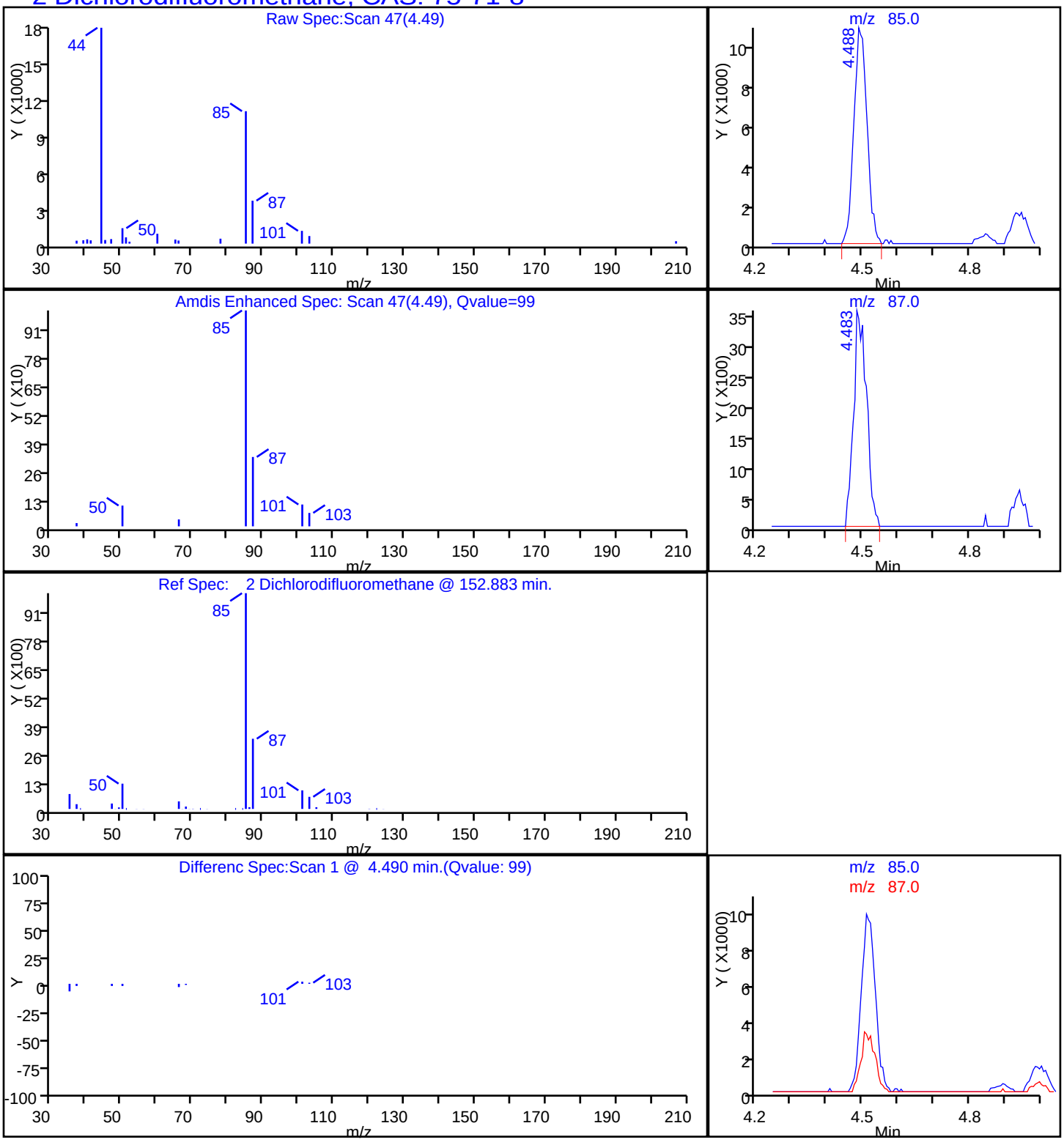
Report Date: 18-Jul-2014 10:16:57 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8



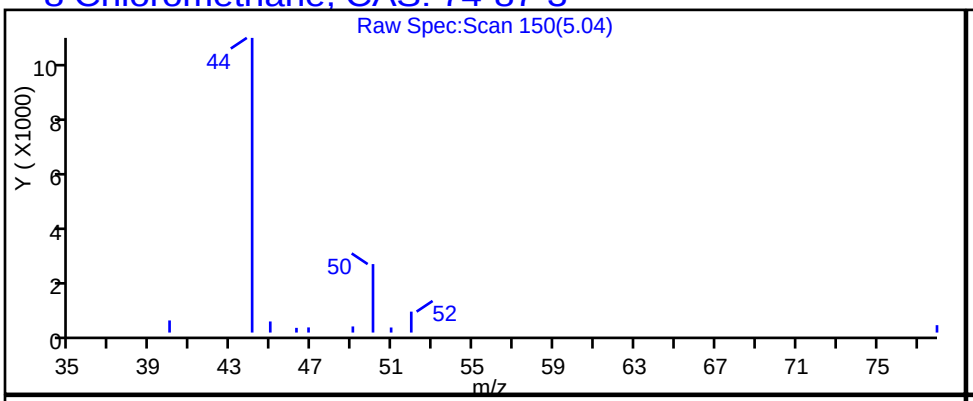
Report Date: 18-Jul-2014 10:16:57 Chrom Revision: 2.2 24-Jun-2014 07:21:42

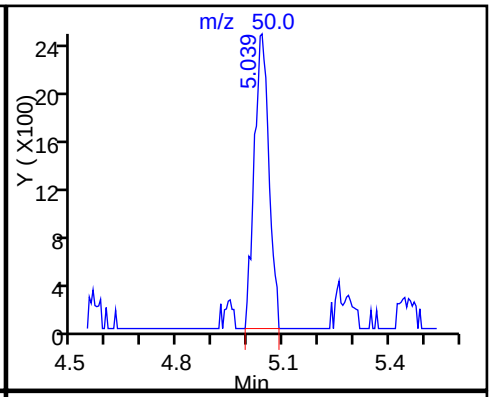
TestAmerica Burlington

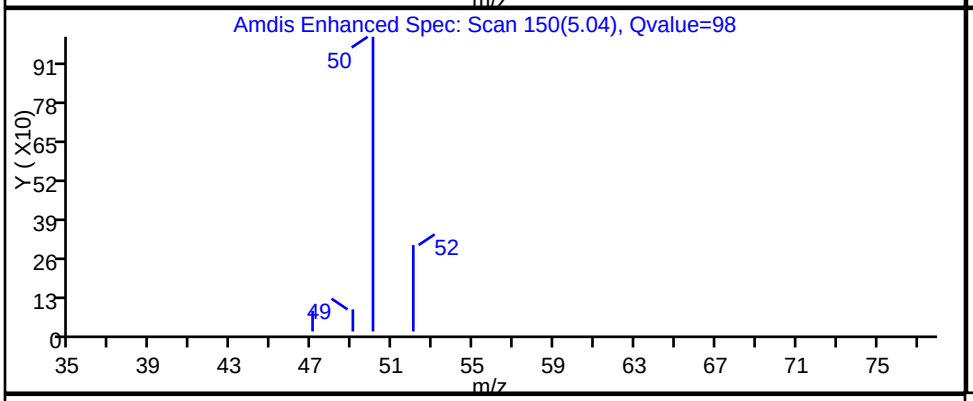
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

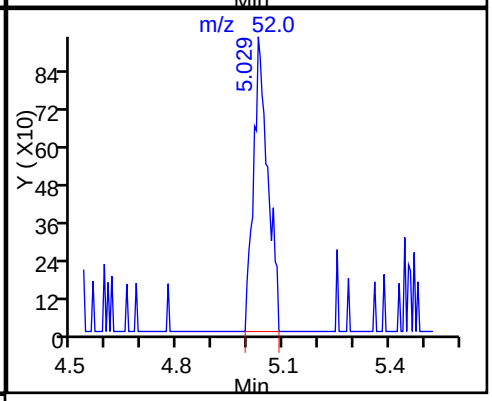
Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

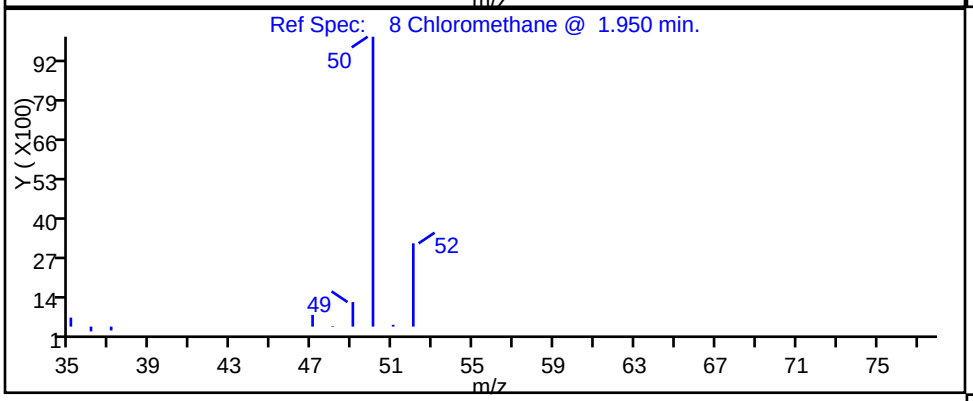
8 Chloromethane, CAS: 74-87-3

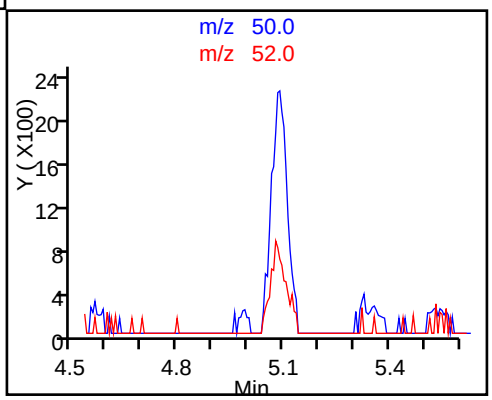












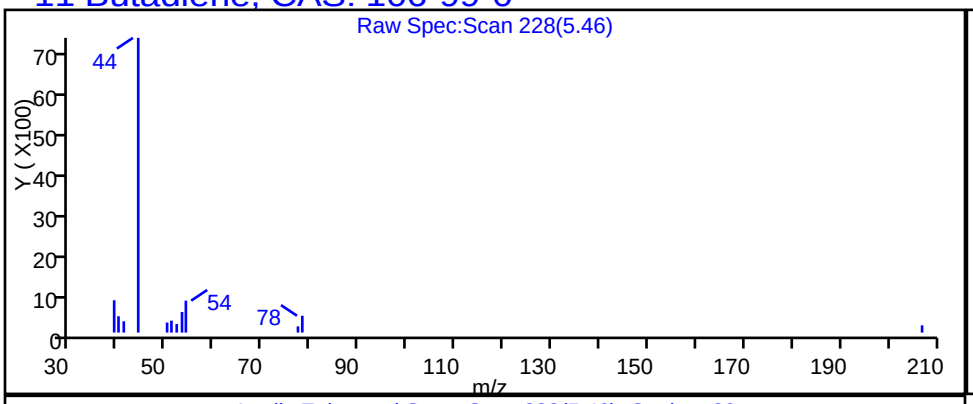
Report Date: 18-Jul-2014 10:16:57 Chrom Revision: 2.2 24-Jun-2014 07:21:42

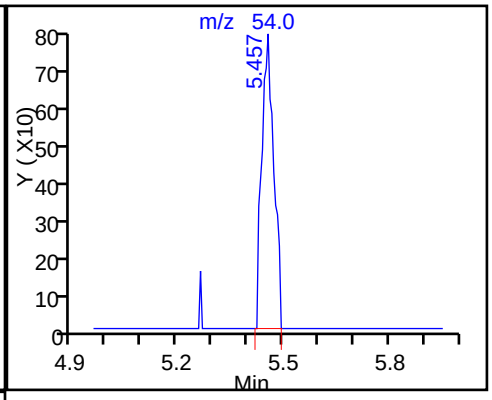
TestAmerica Burlington

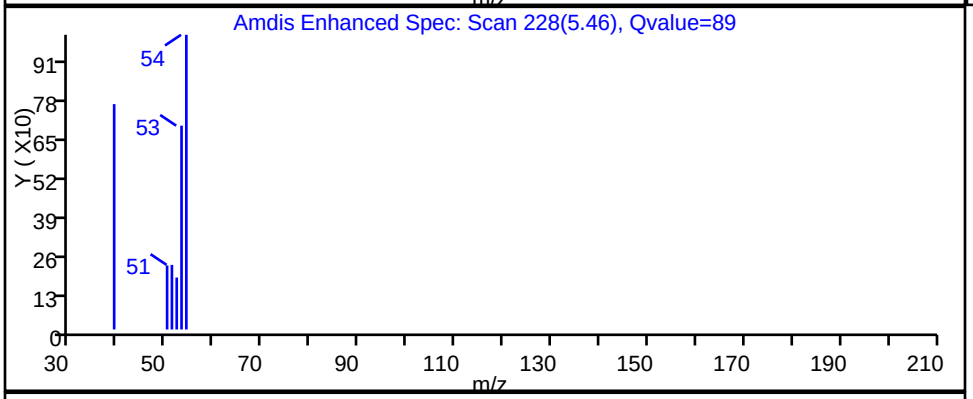
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

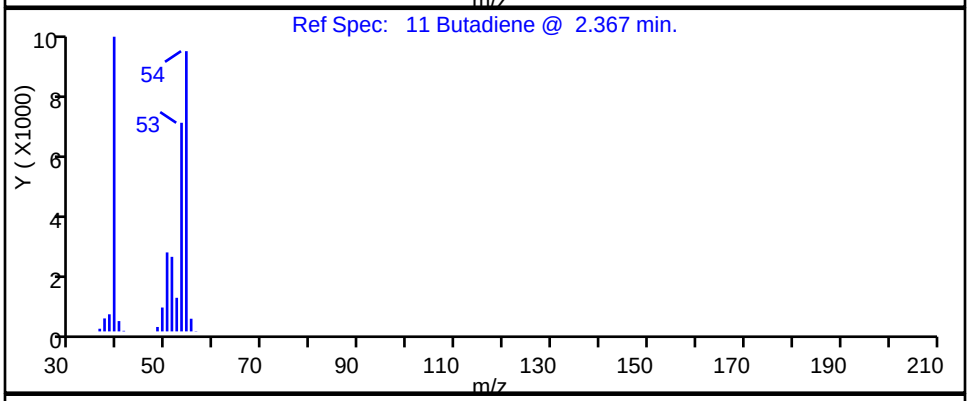
Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

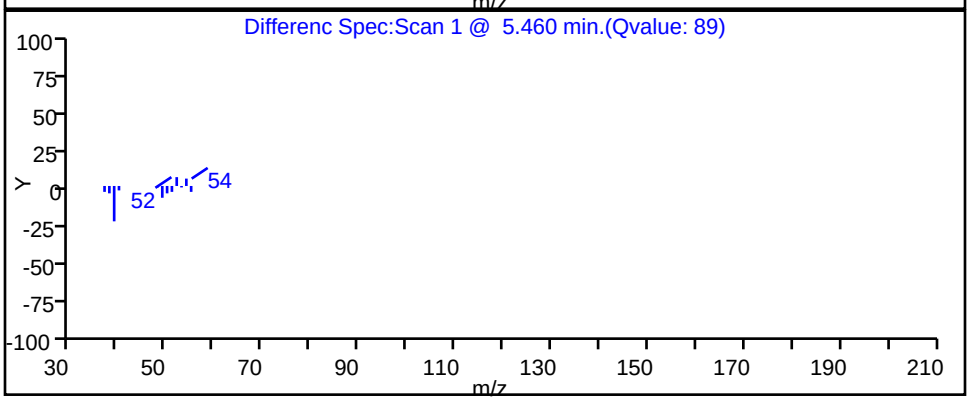
11 Butadiene, CAS: 106-99-0











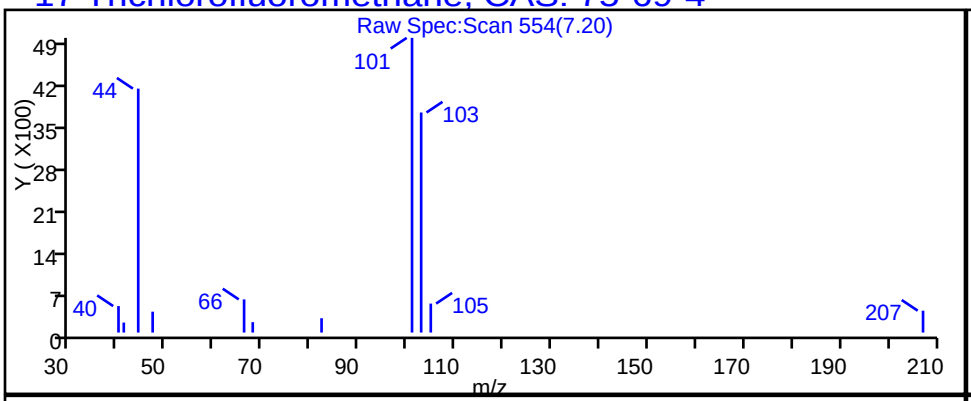
Report Date: 18-Jul-2014 10:16:57 Chrom Revision: 2.2 24-Jun-2014 07:21:42

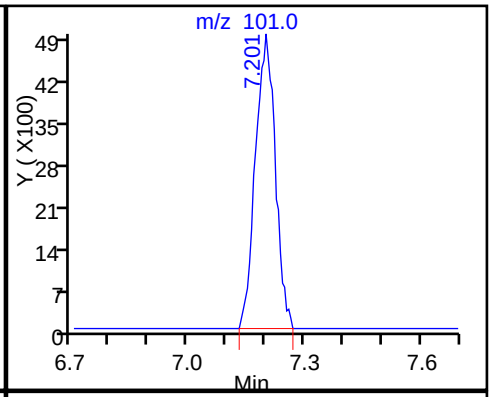
TestAmerica Burlington

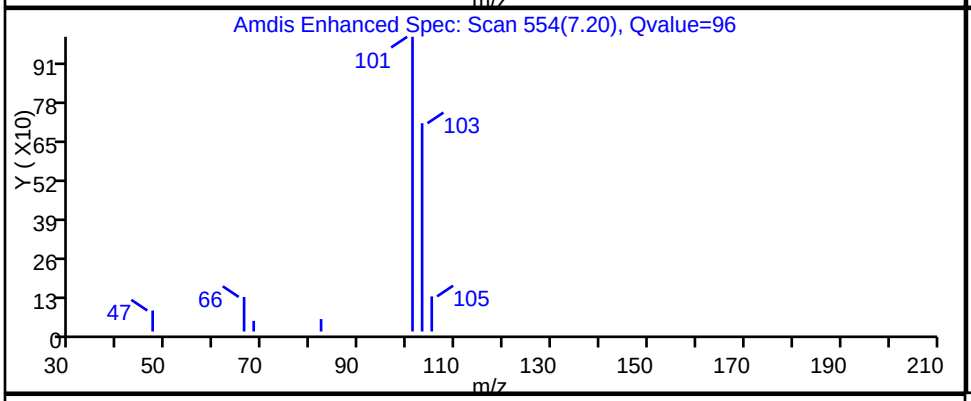
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

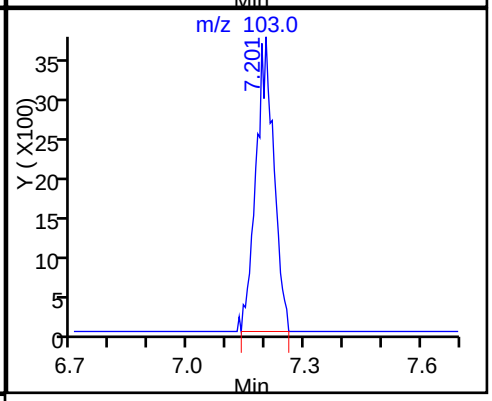
Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

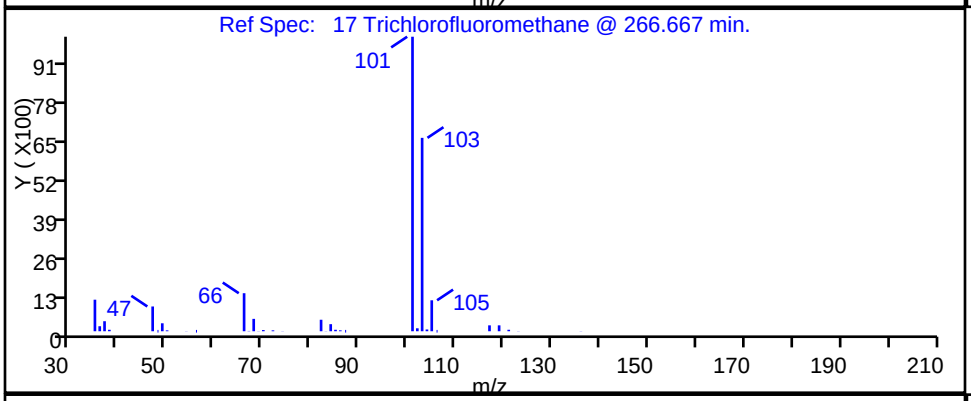
17 Trichlorofluoromethane, CAS: 75-69-4

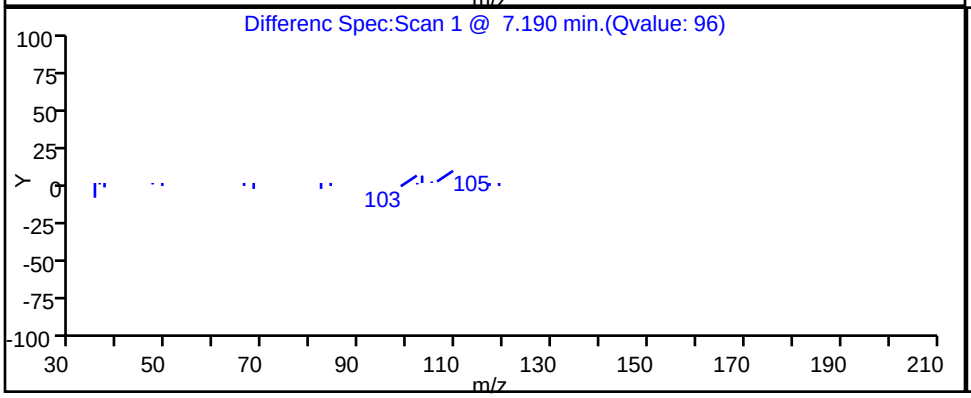


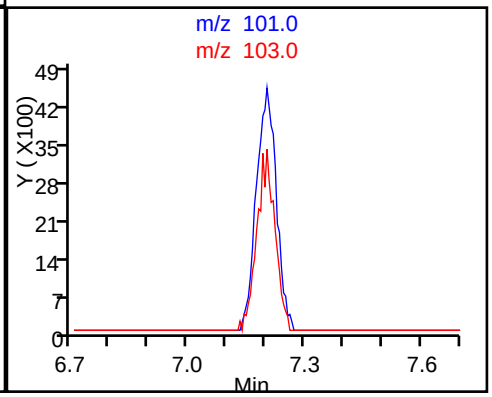












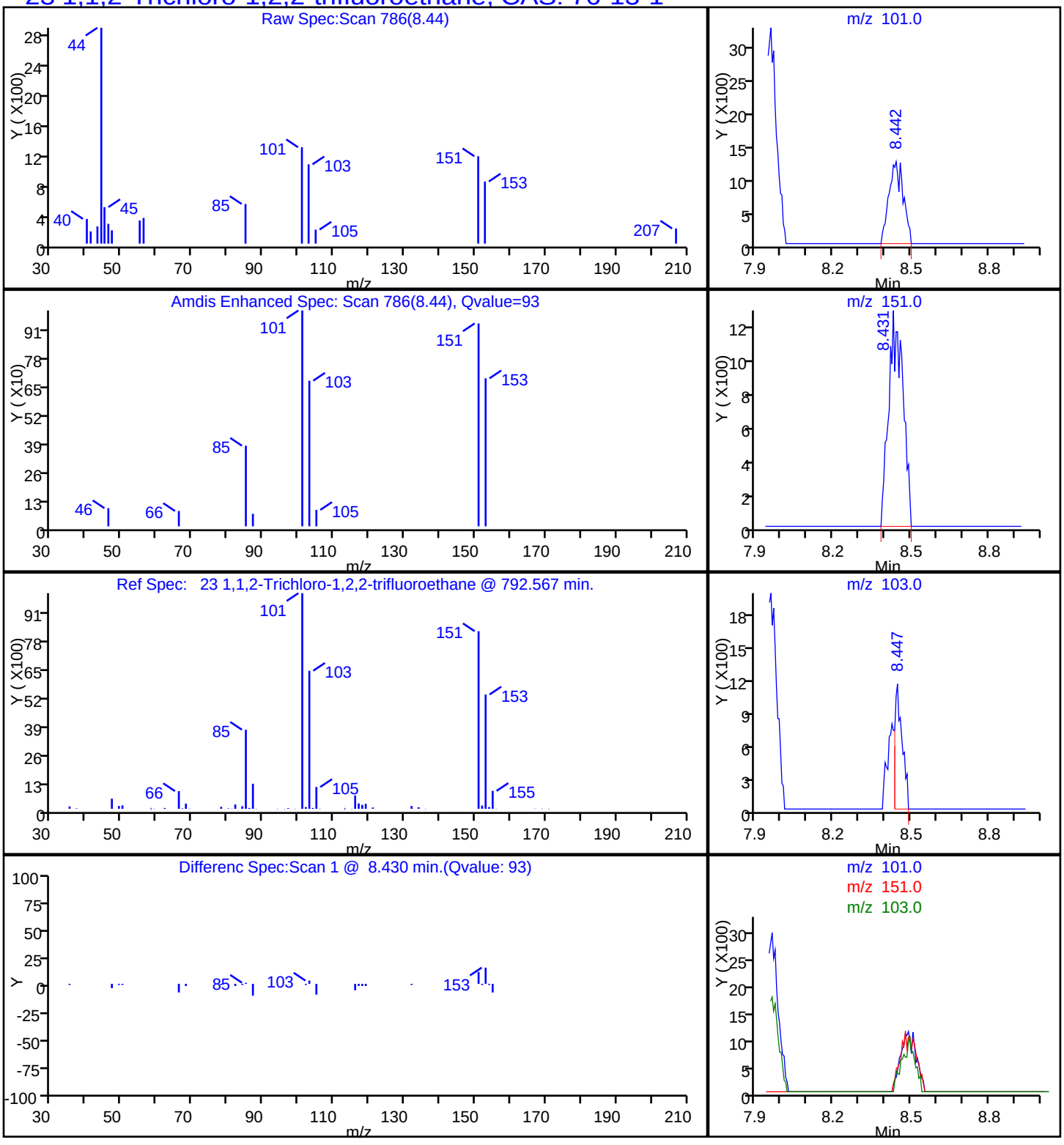
Report Date: 18-Jul-2014 10:16:57 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



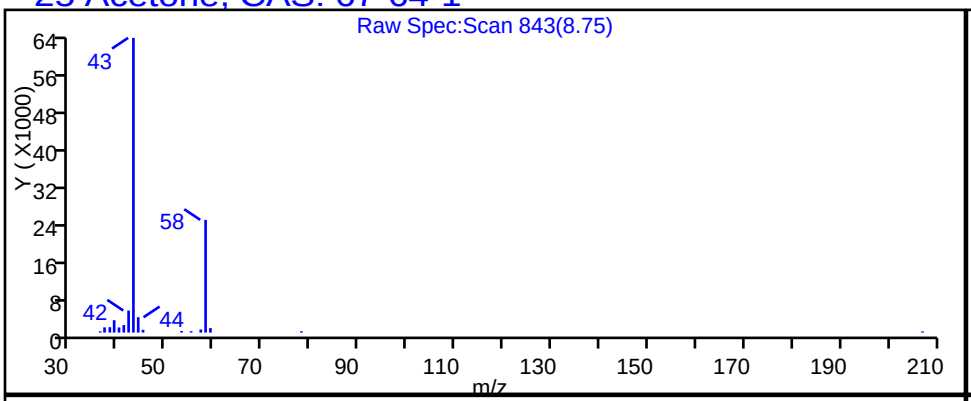
Report Date: 18-Jul-2014 10:16:57 Chrom Revision: 2.2 24-Jun-2014 07:21:42

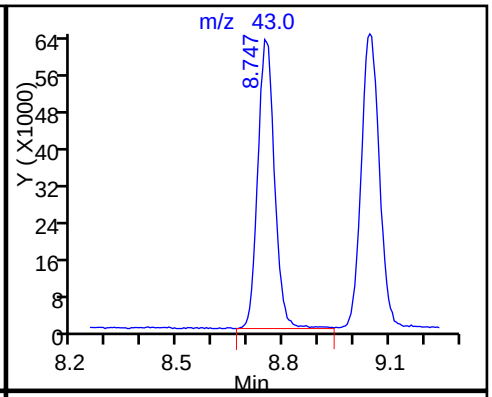
TestAmerica Burlington

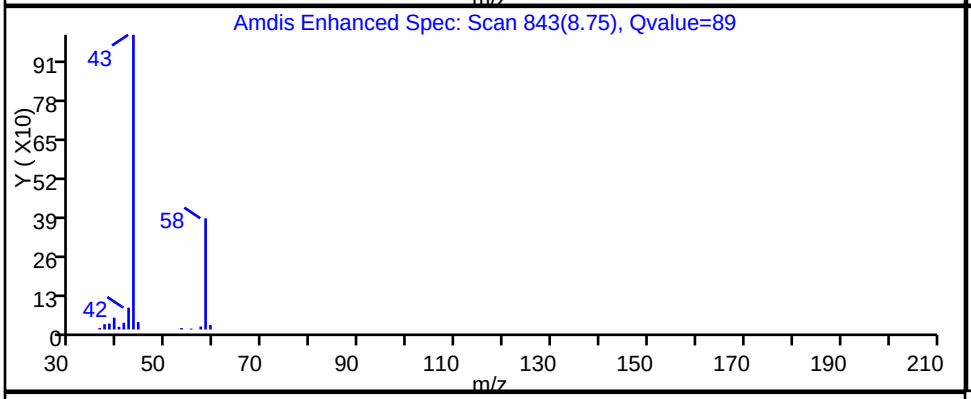
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

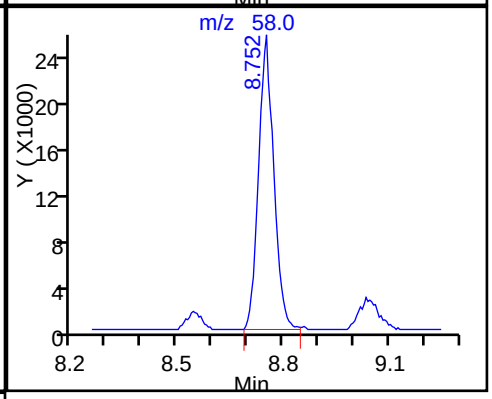
Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

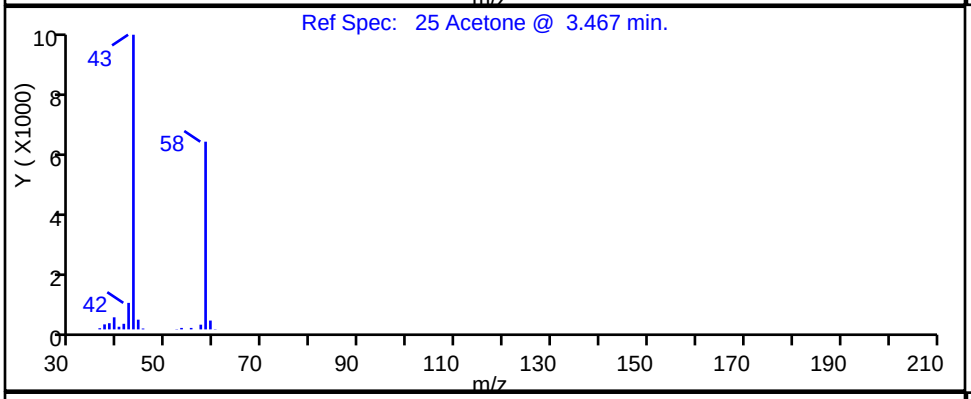
25 Acetone, CAS: 67-64-1

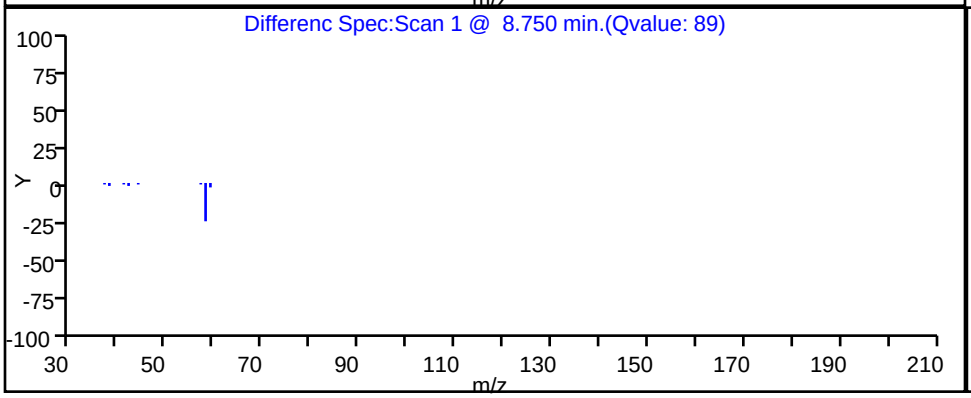


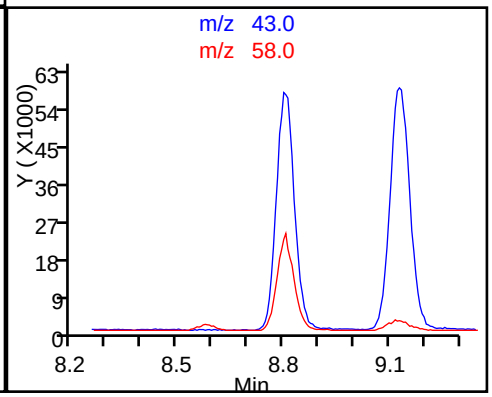












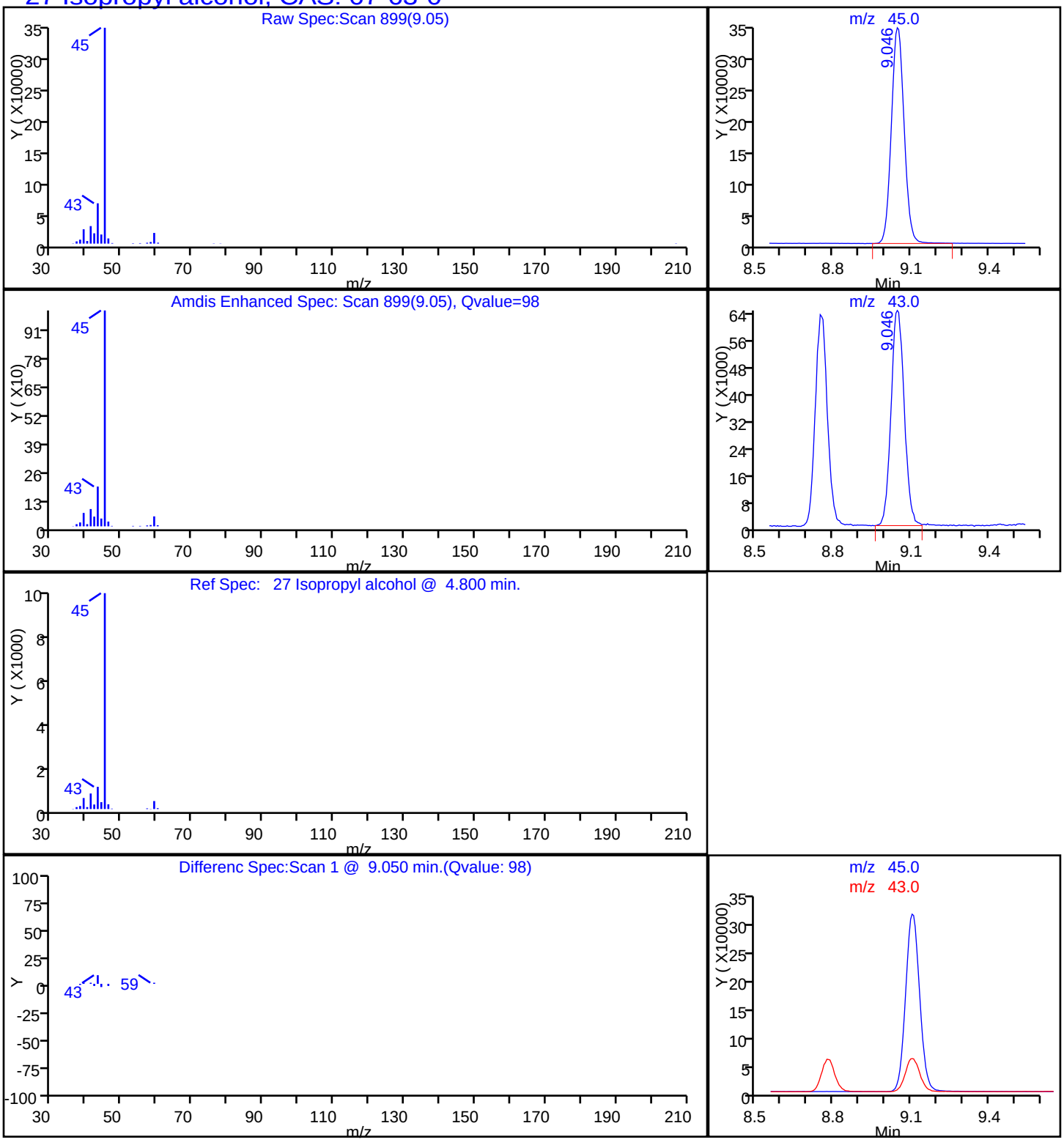
Report Date: 18-Jul-2014 10:16:57 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



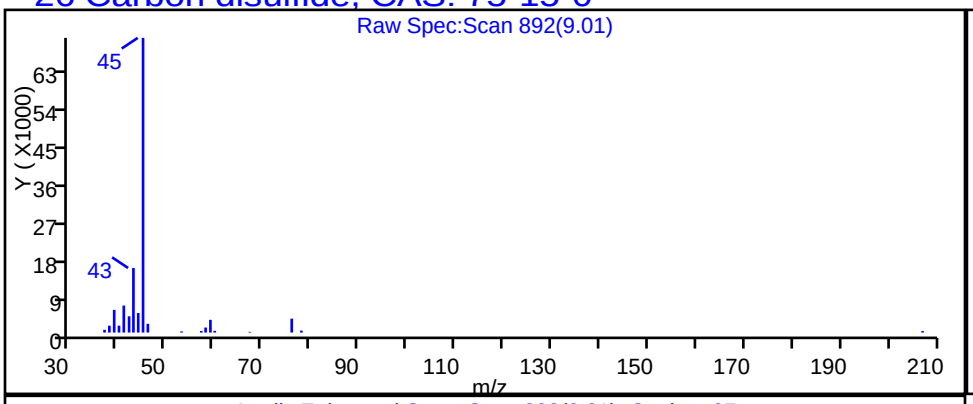
Report Date: 18-Jul-2014 10:16:57 Chrom Revision: 2.2 24-Jun-2014 07:21:42

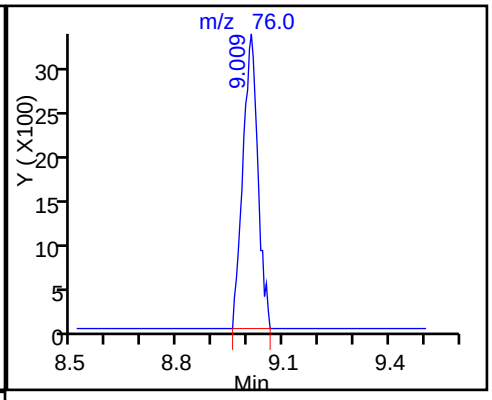
TestAmerica Burlington

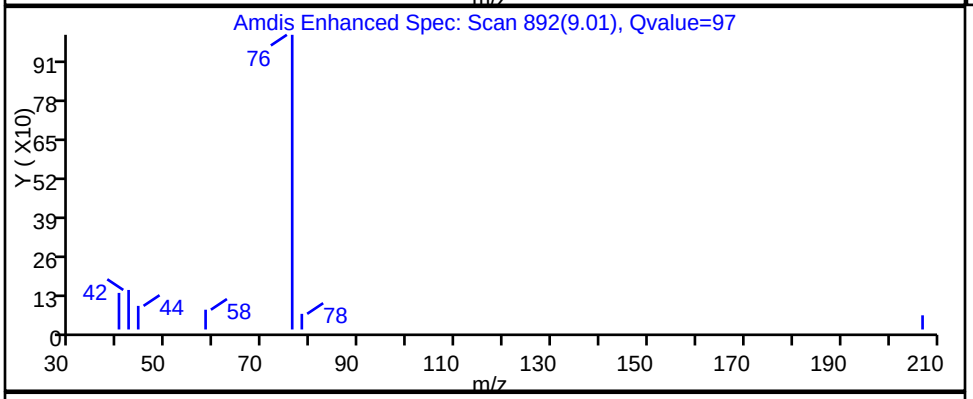
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

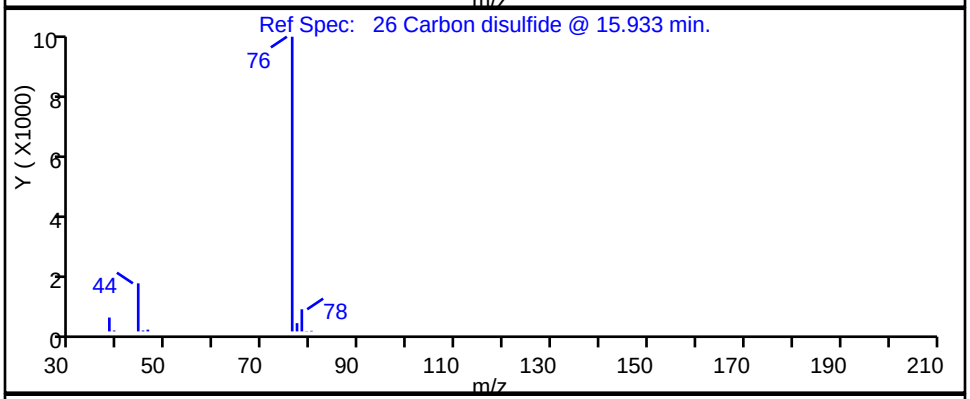
Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

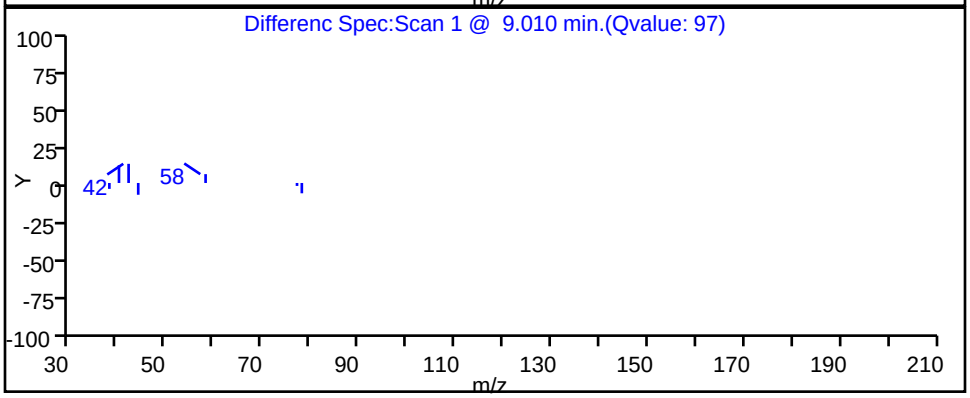
26 Carbon disulfide, CAS: 75-15-0











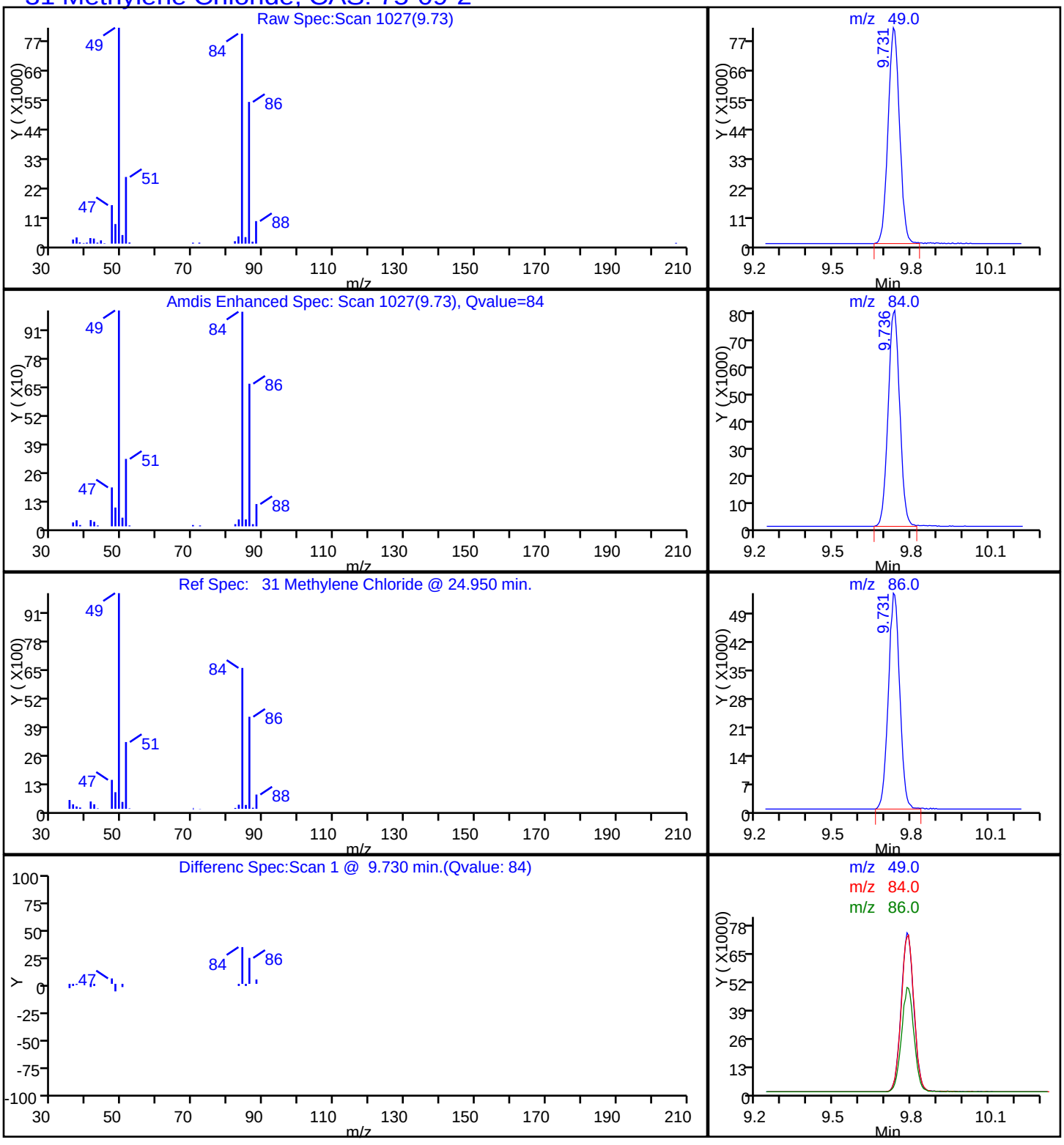
Report Date: 18-Jul-2014 10:16:57 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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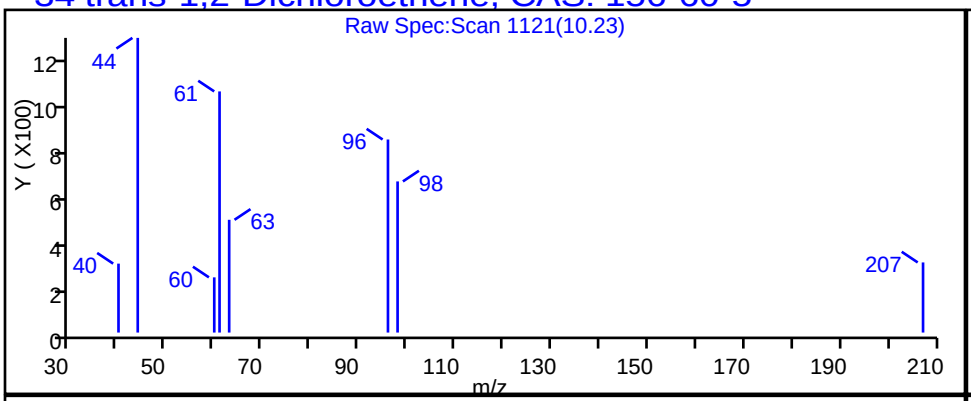
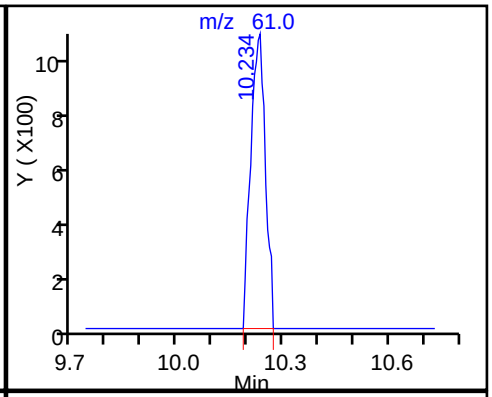
TestAmerica Burlington

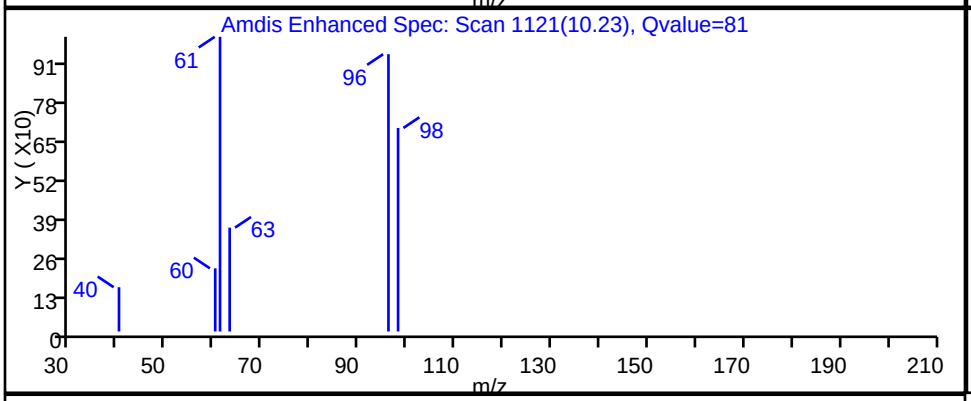
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

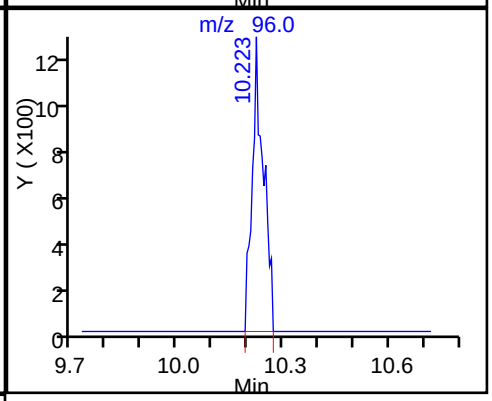
Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

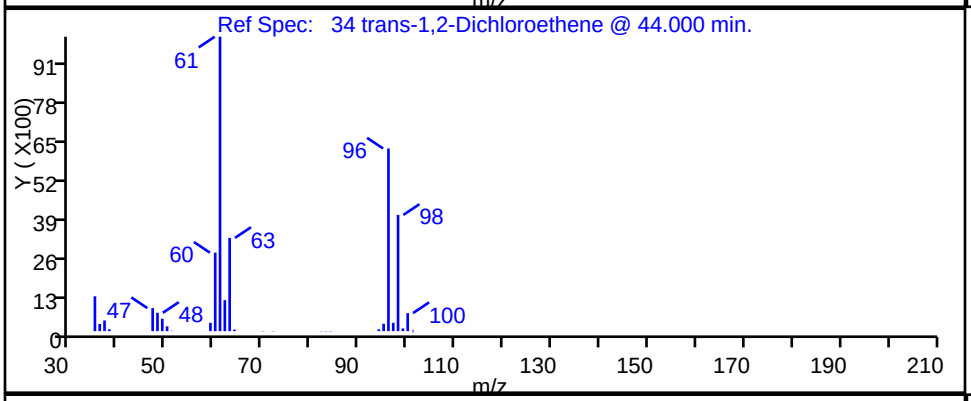
34 trans-1,2-Dichloroethene, CAS: 156-60-5

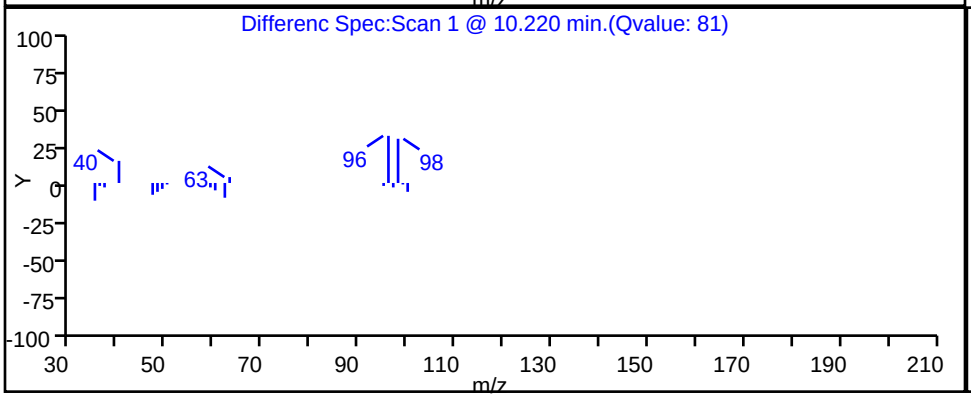


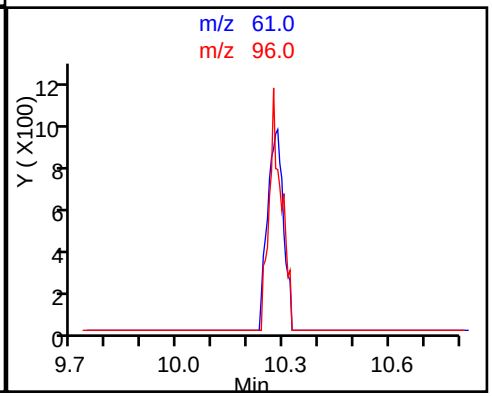












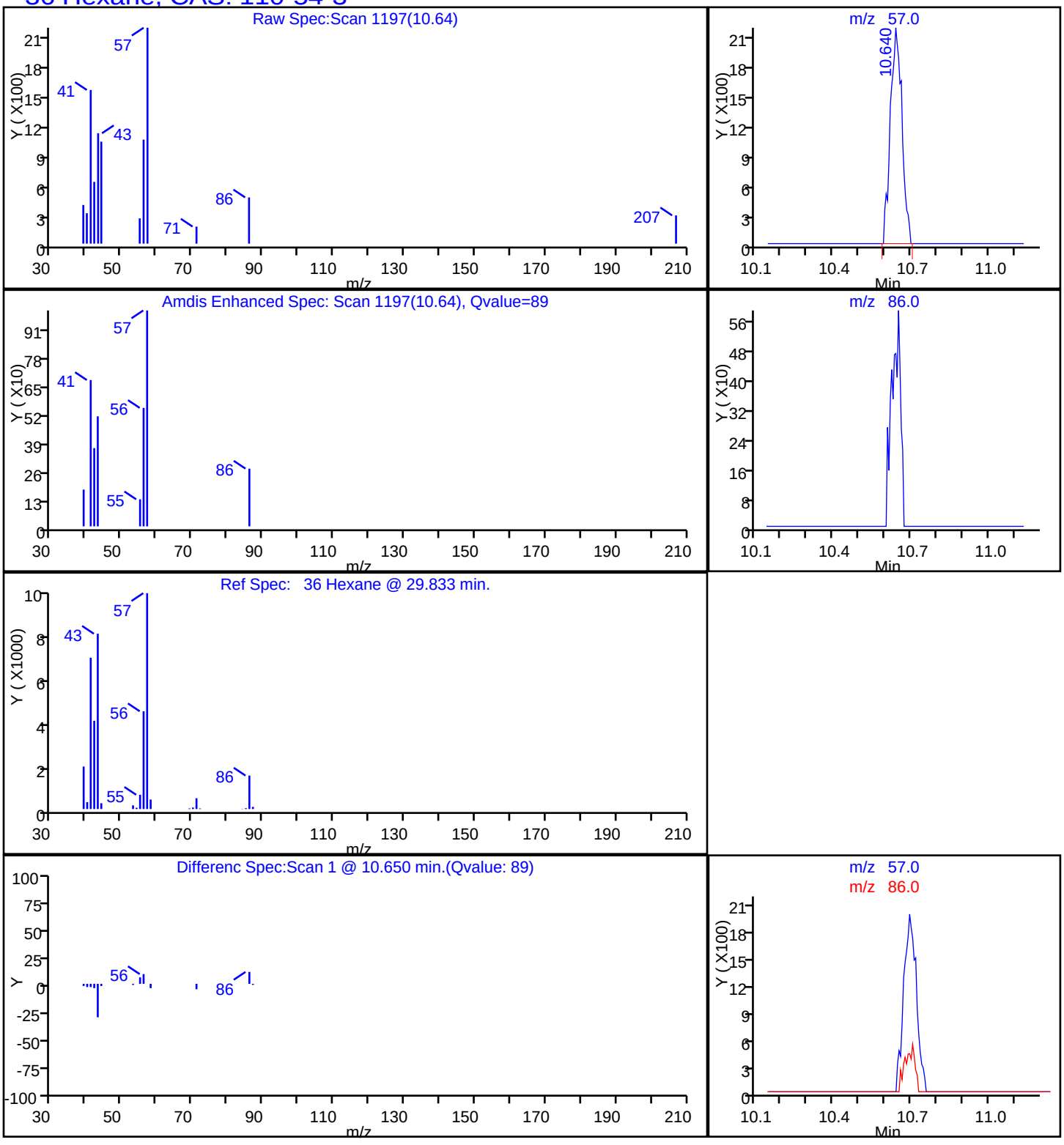
Report Date: 18-Jul-2014 10:16:57 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



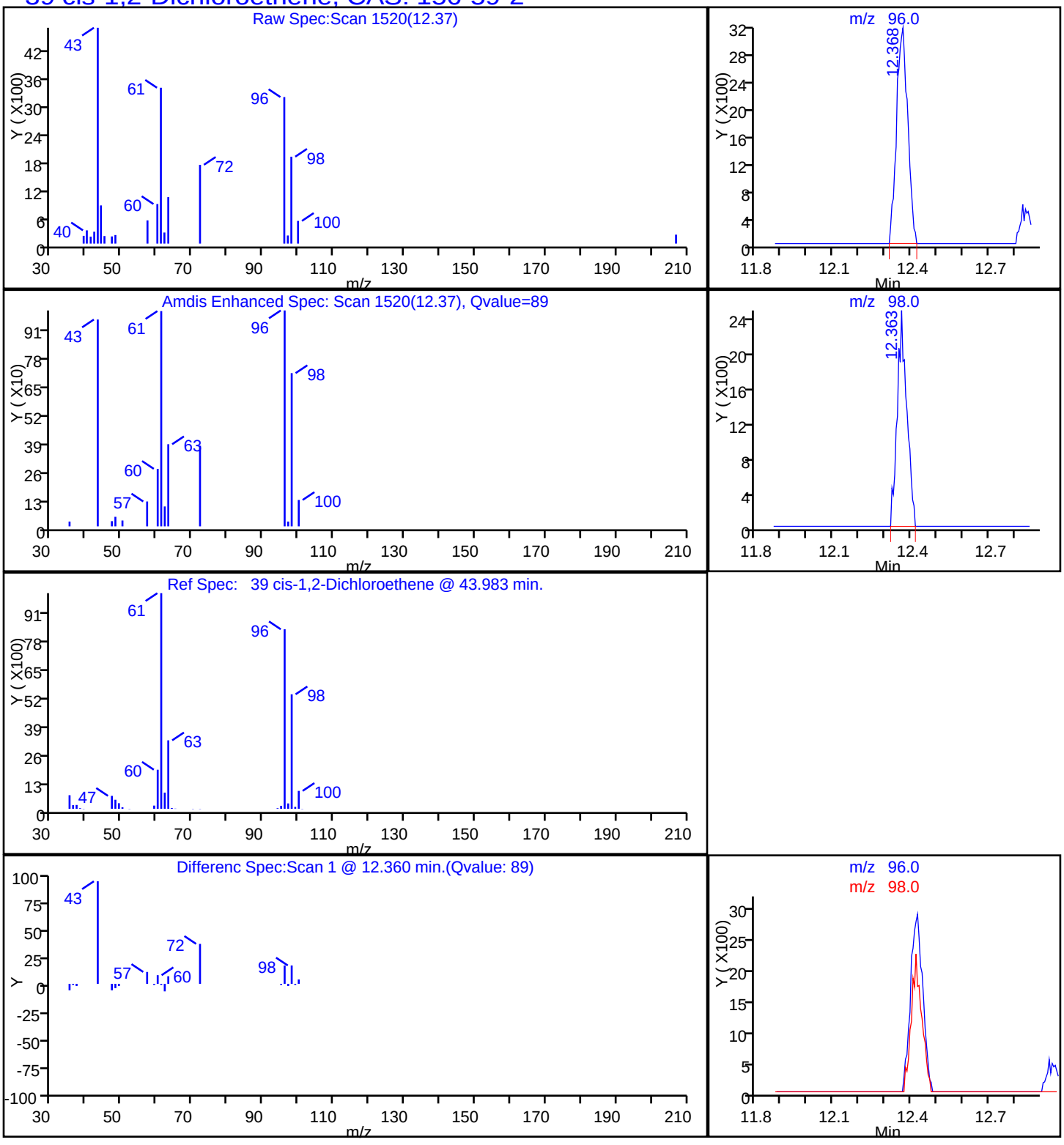
Report Date: 18-Jul-2014 10:16:58 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2



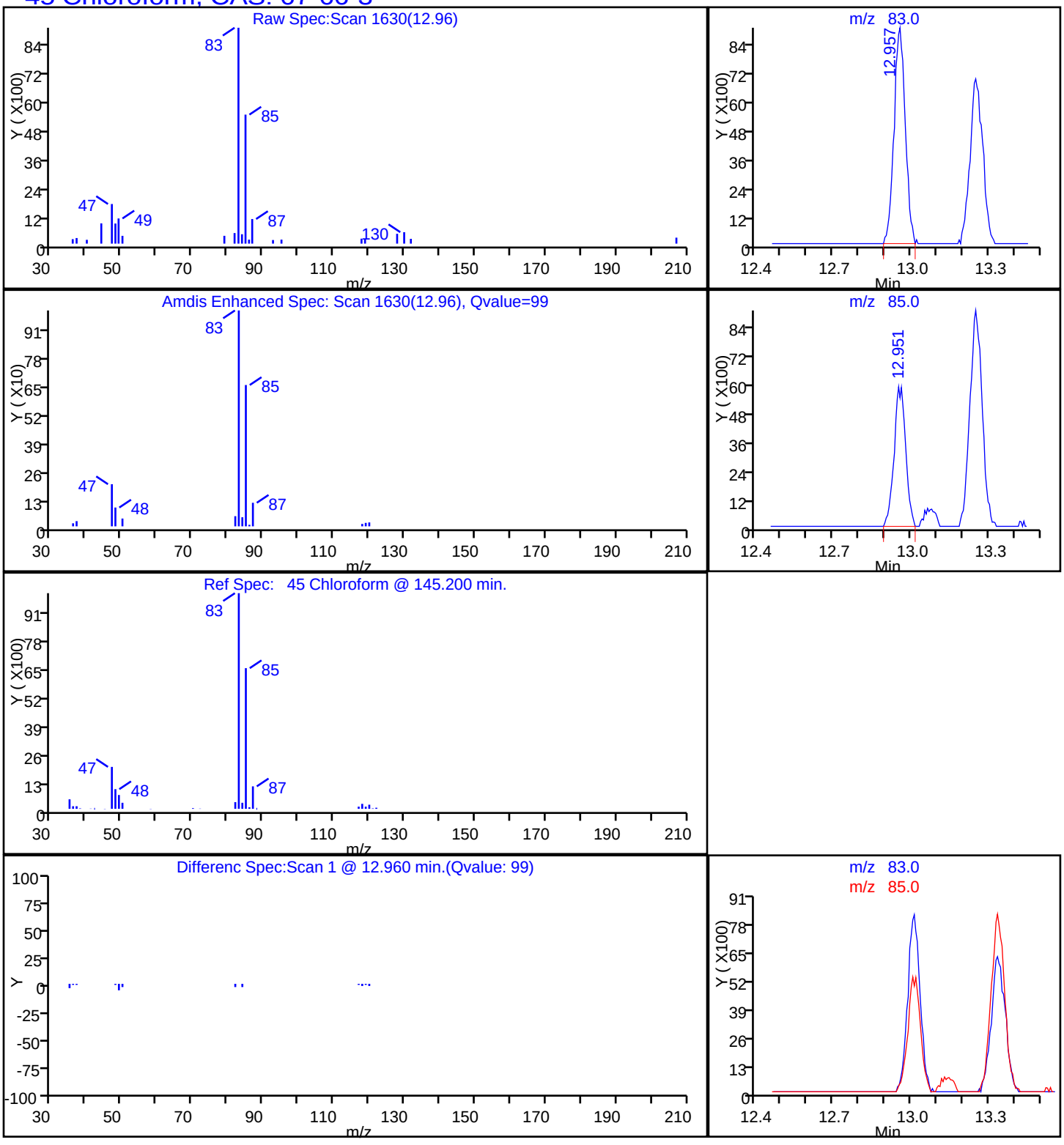
Report Date: 18-Jul-2014 10:16:58 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



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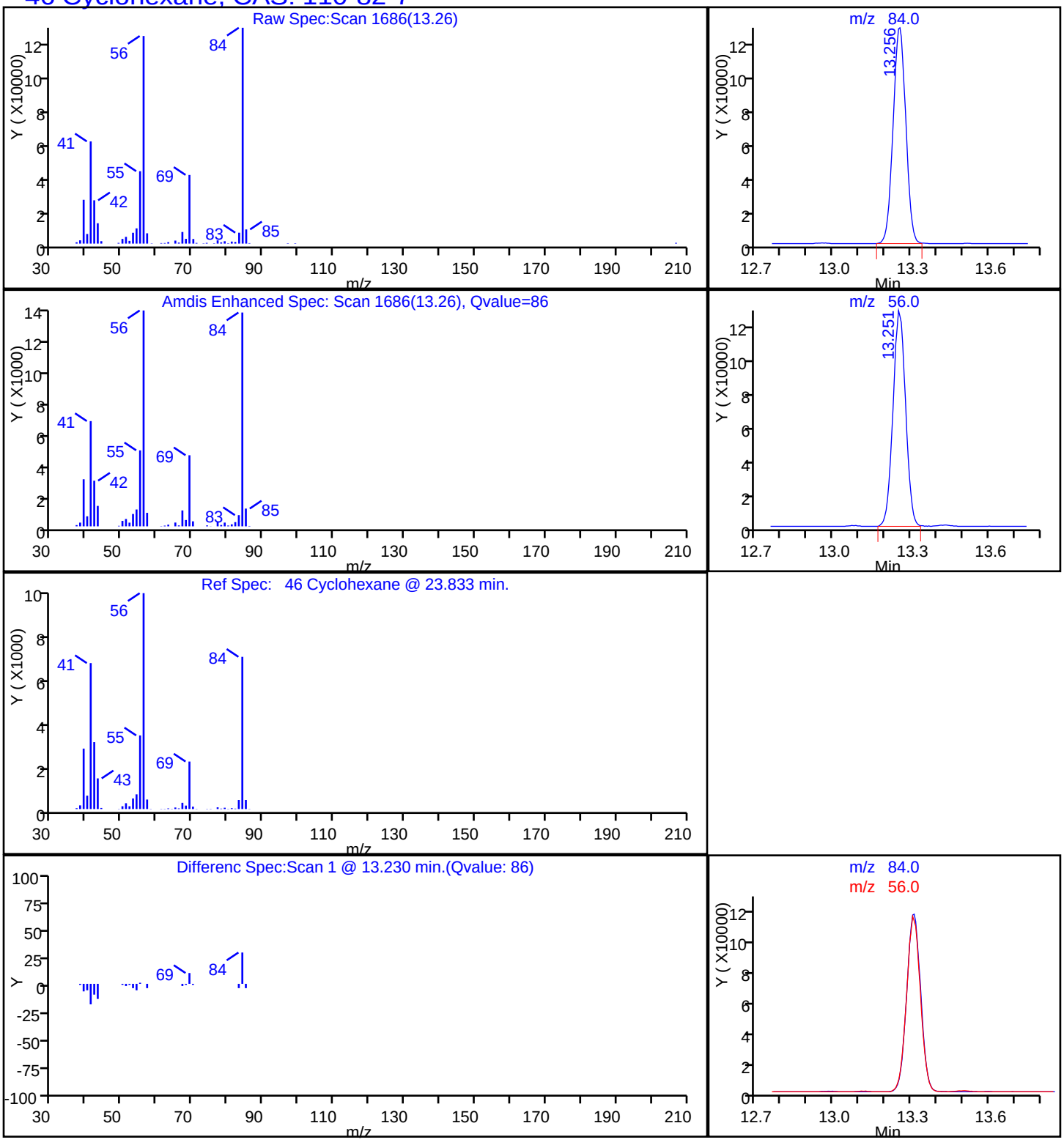
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



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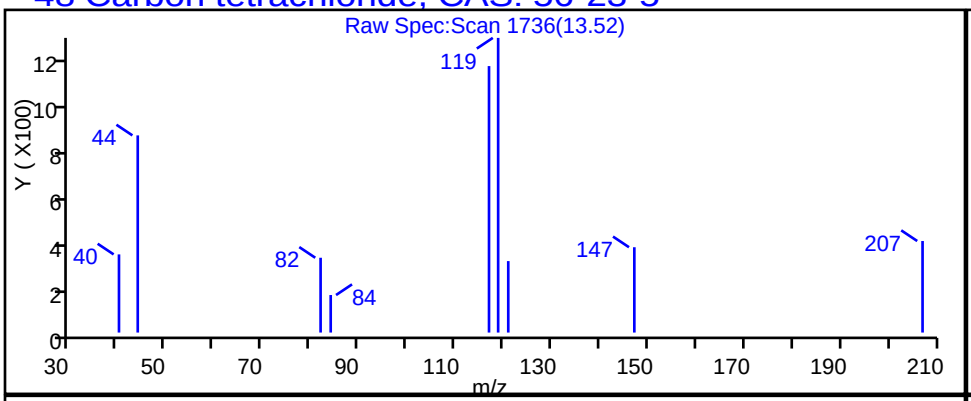
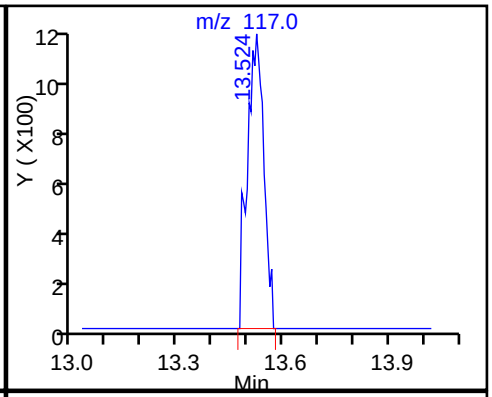
TestAmerica Burlington

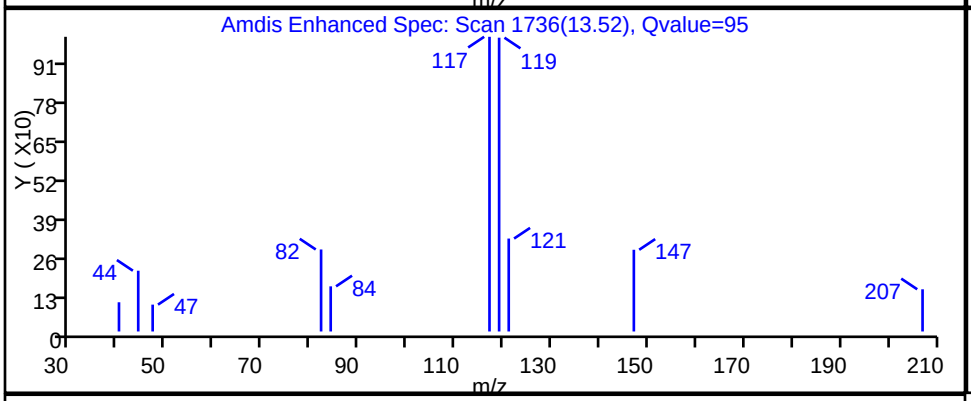
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

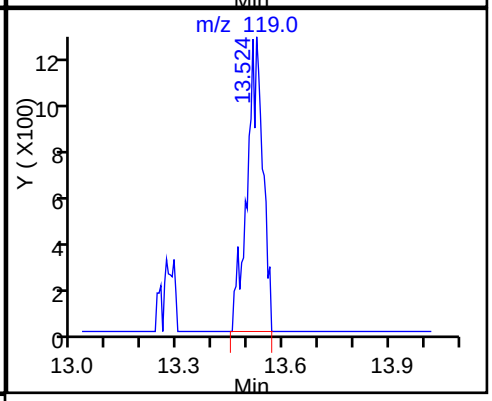
Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

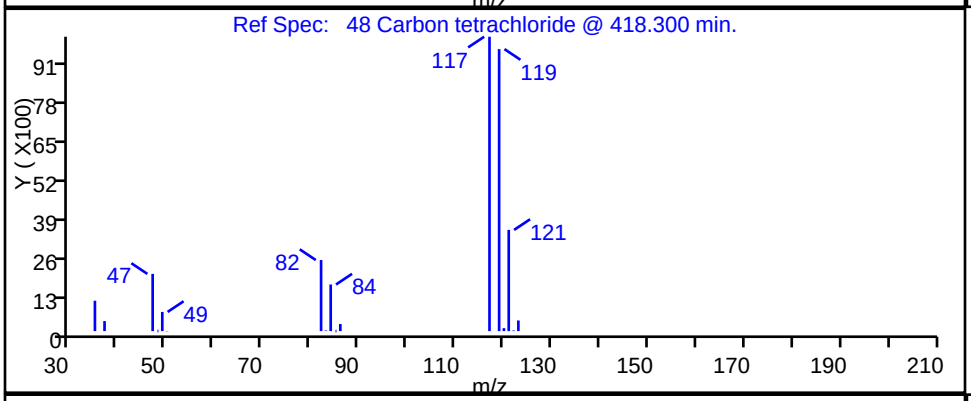
48 Carbon tetrachloride, CAS: 56-23-5

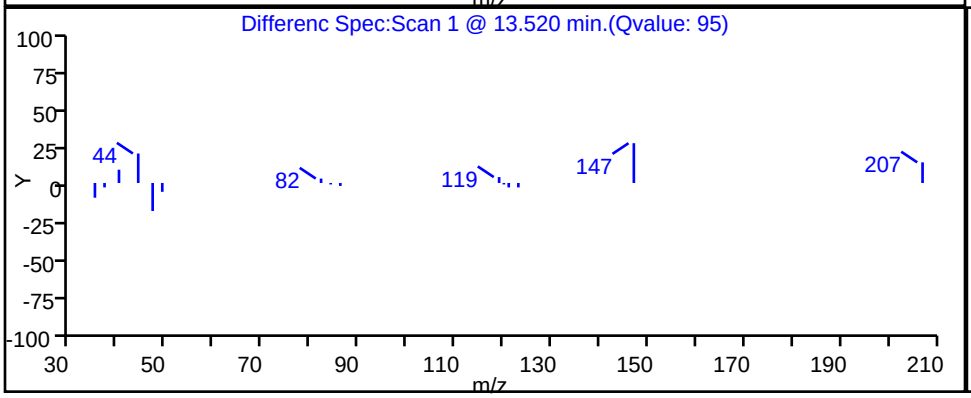


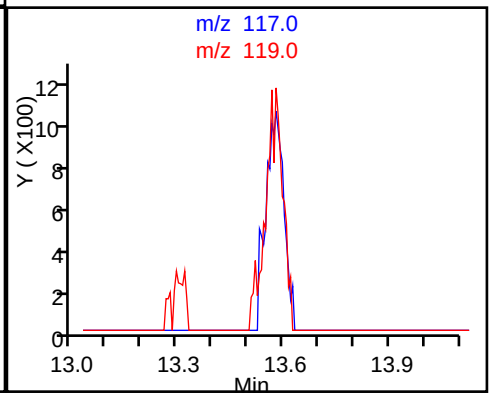












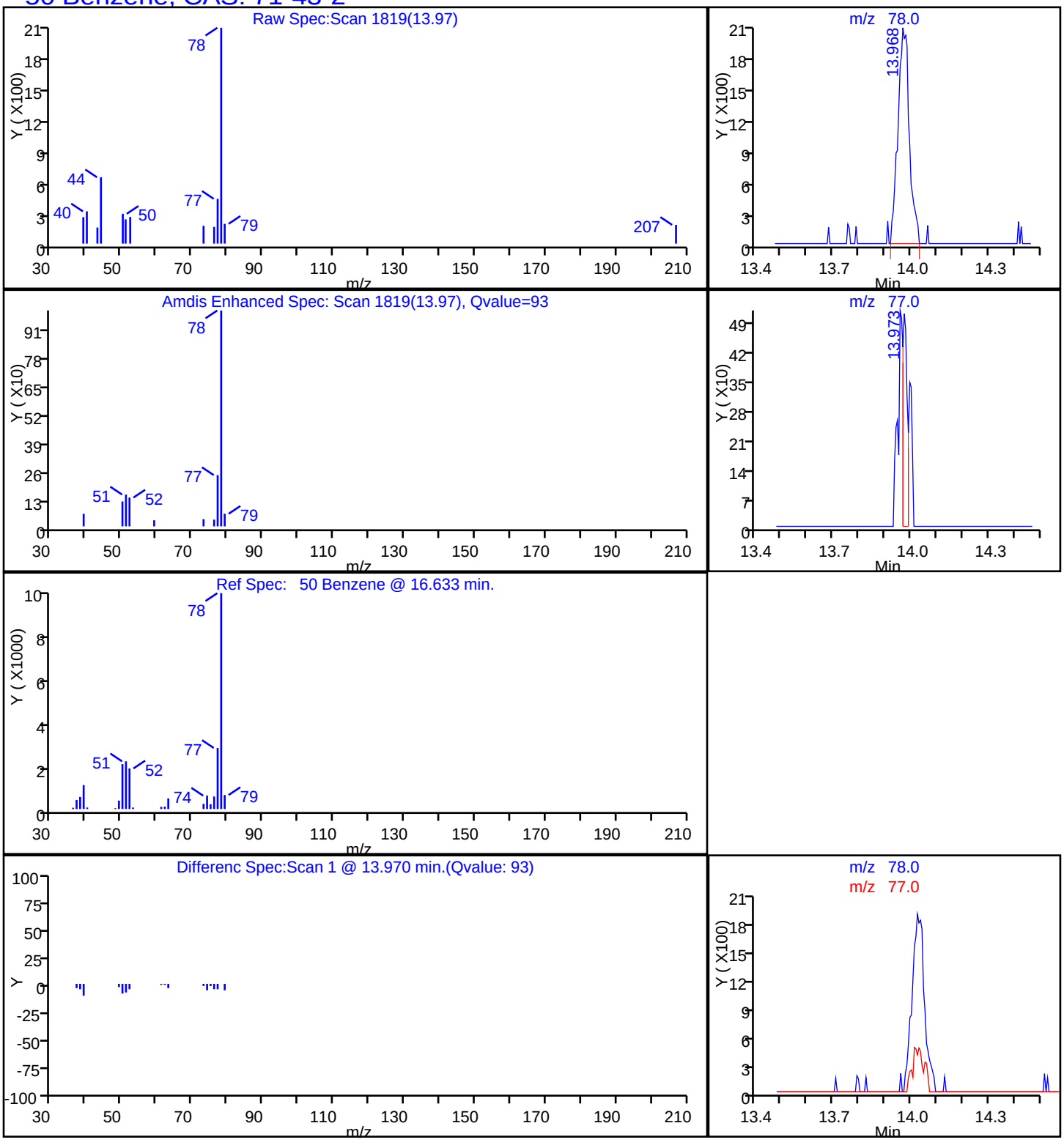
Report Date: 18-Jul-2014 10:16:58 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



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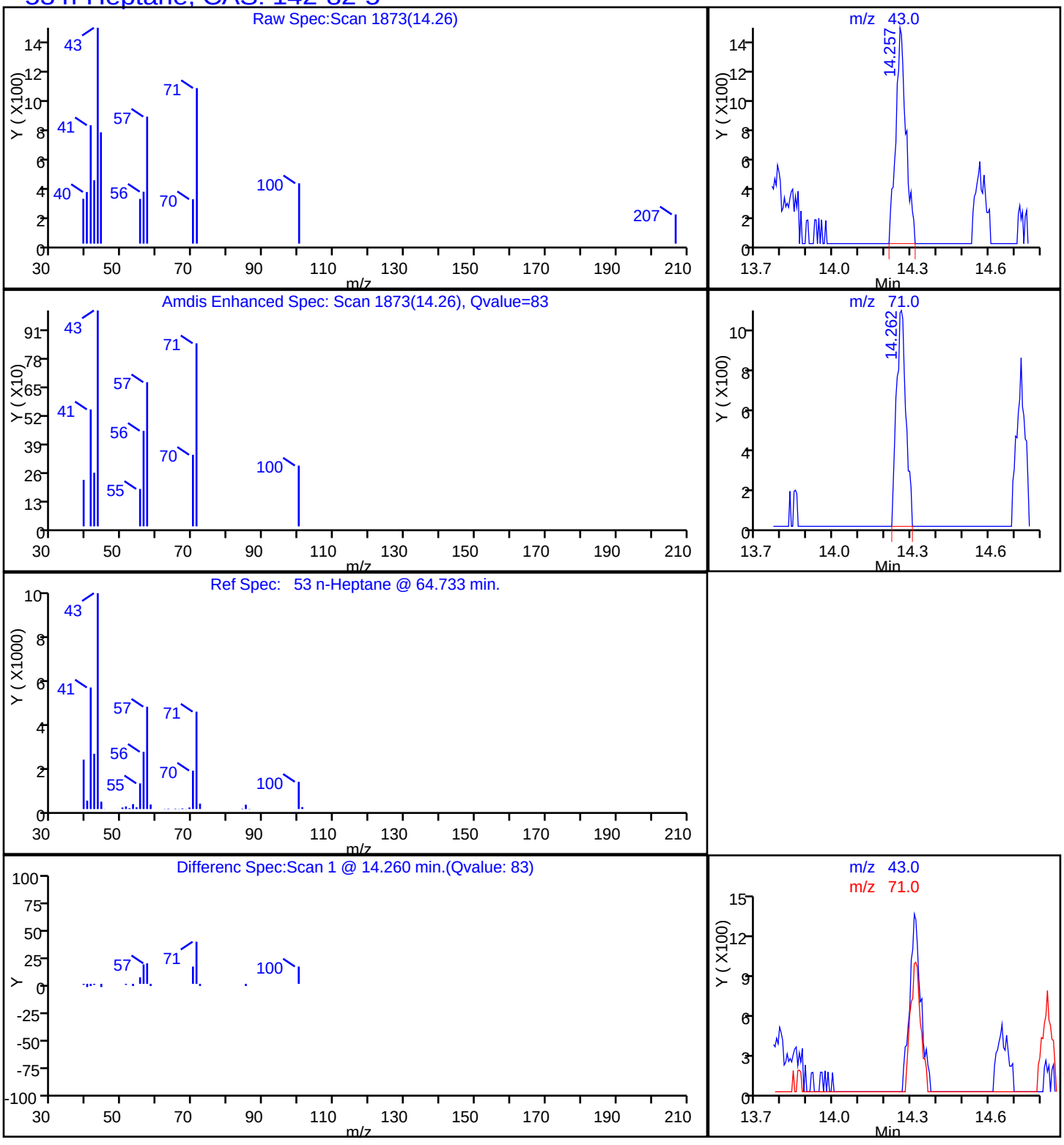
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5



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TestAmerica Burlington

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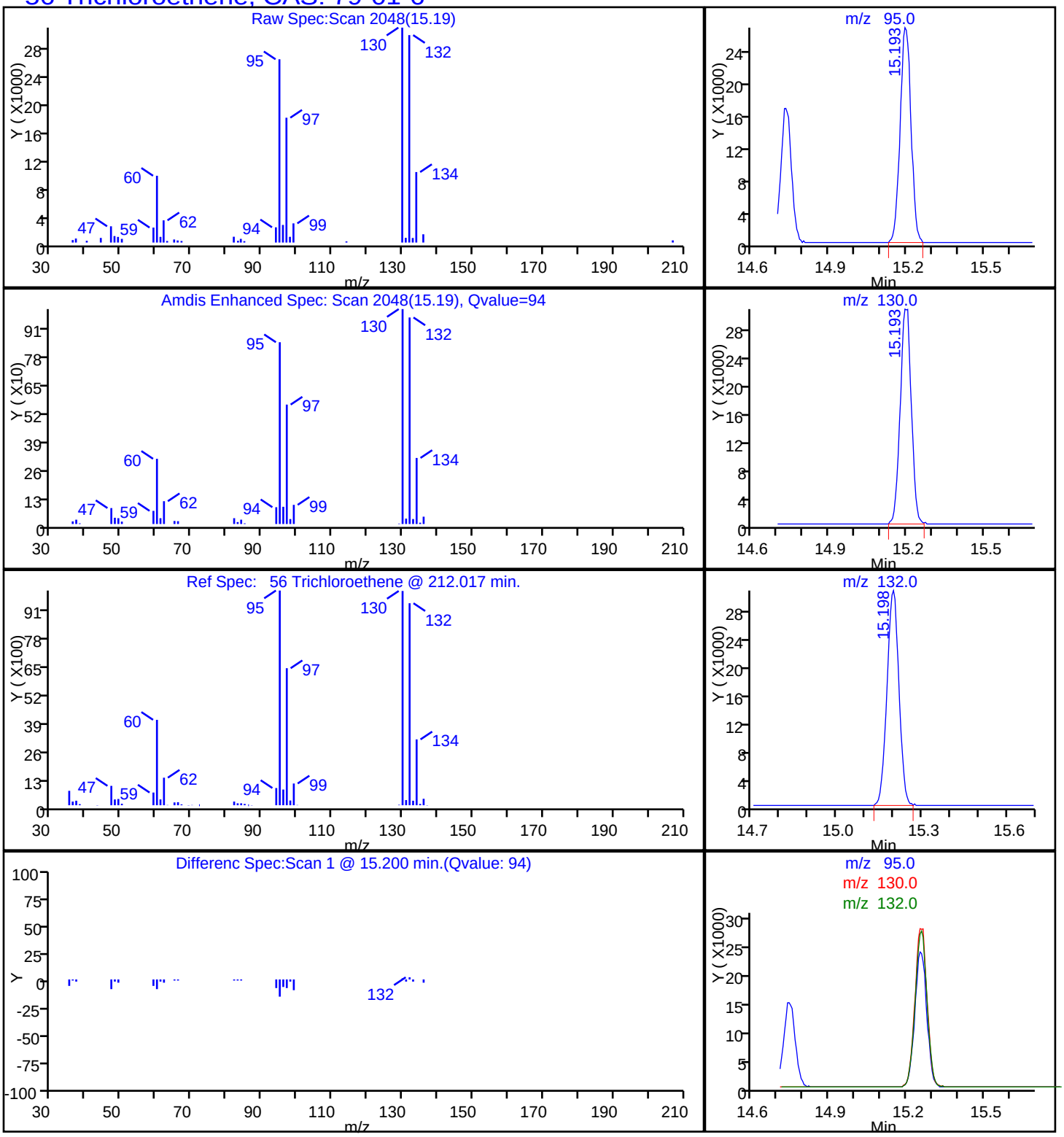
Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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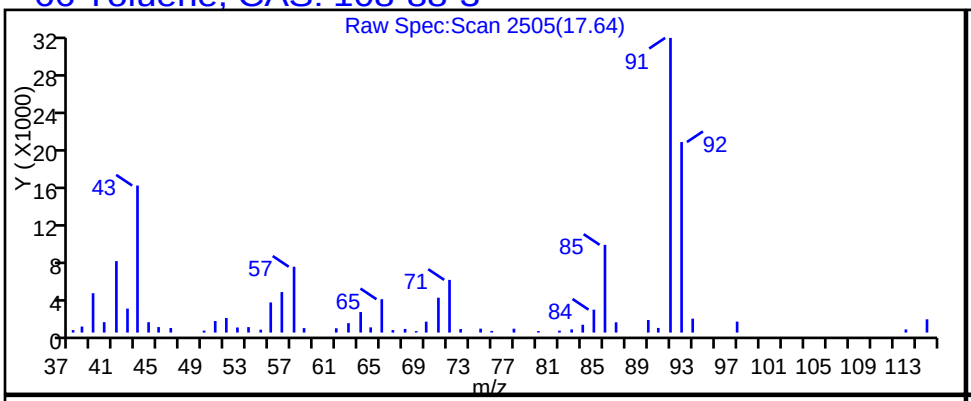
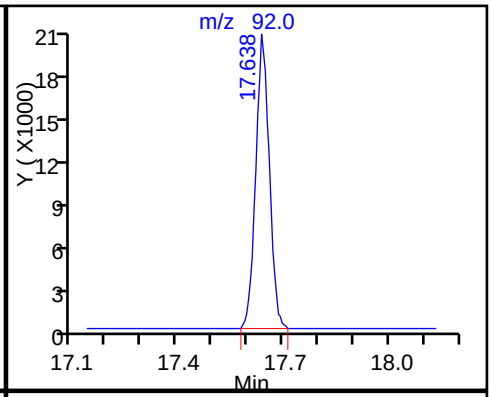
TestAmerica Burlington

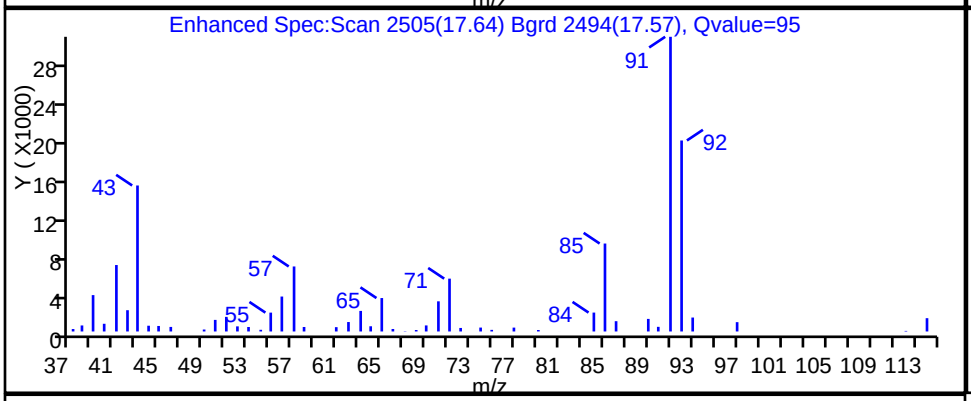
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

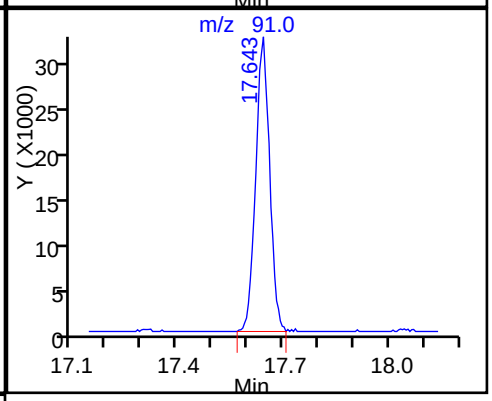
Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

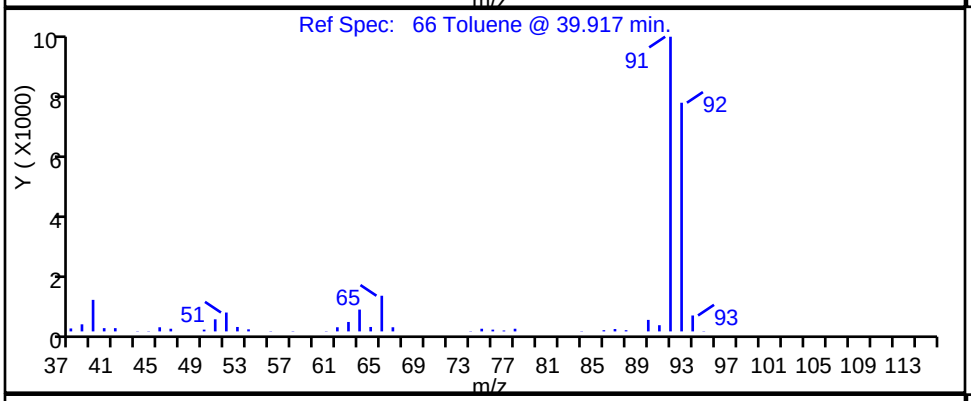
66 Toluene, CAS: 108-88-3

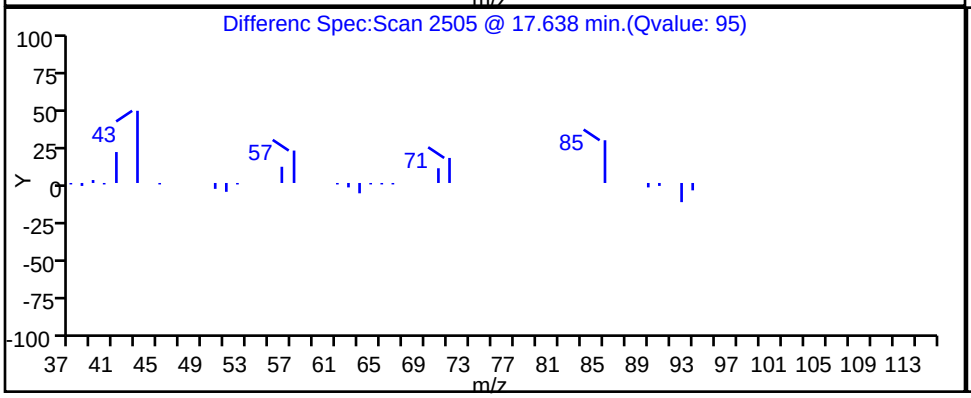


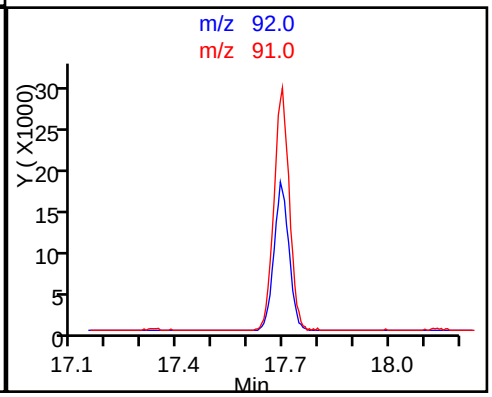












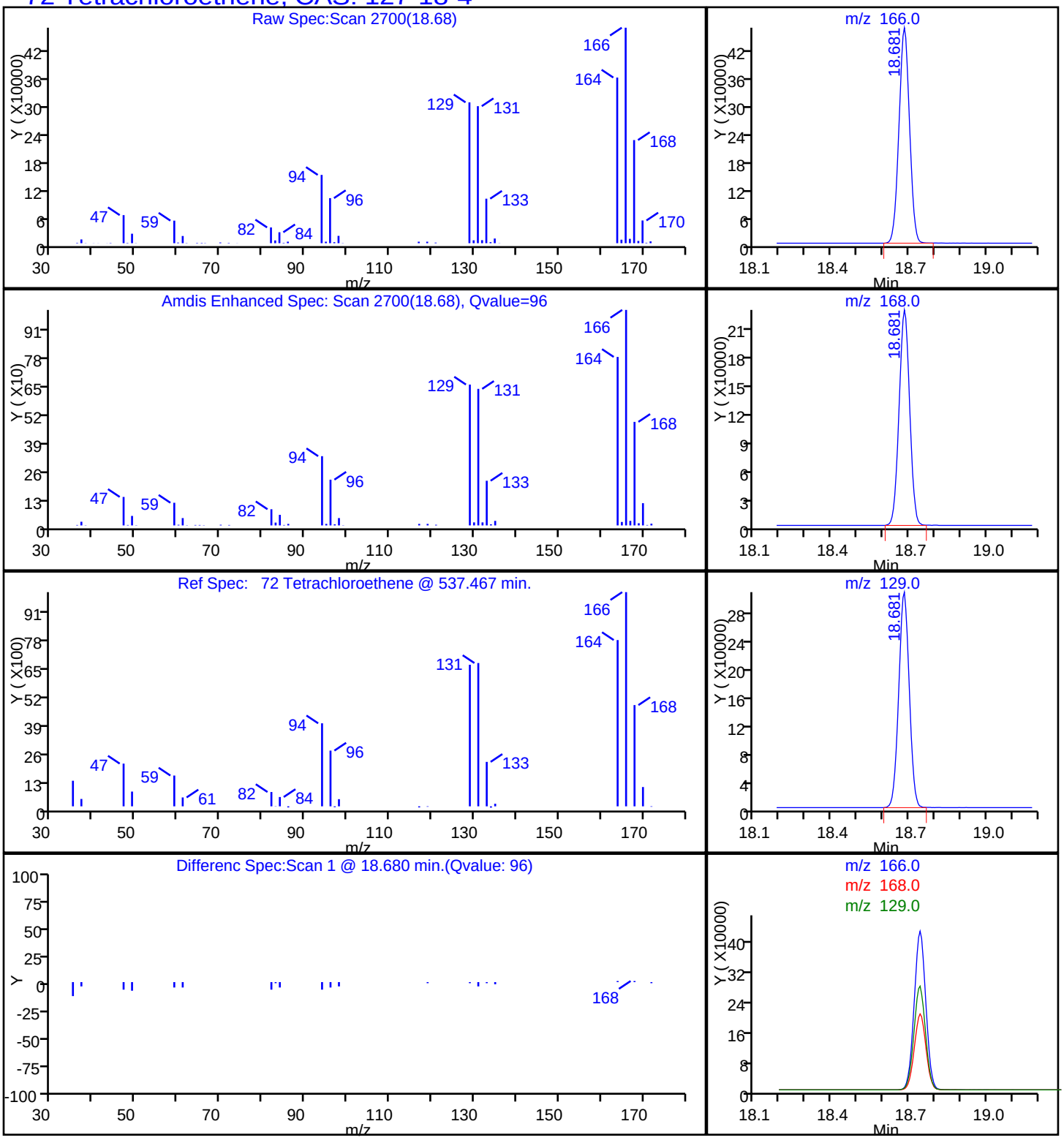
Report Date: 18-Jul-2014 10:16:58 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



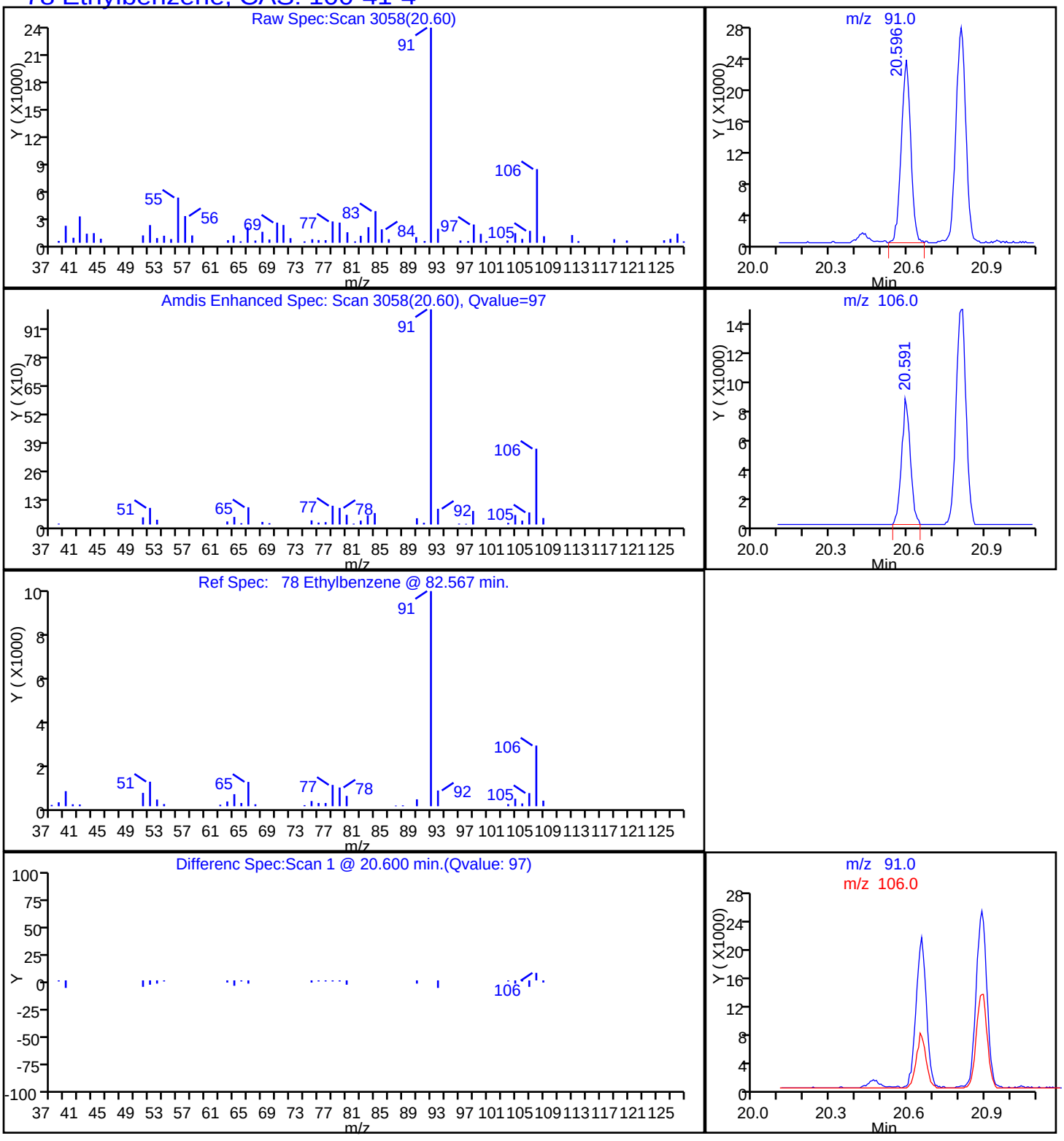
Report Date: 18-Jul-2014 10:16:59 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4



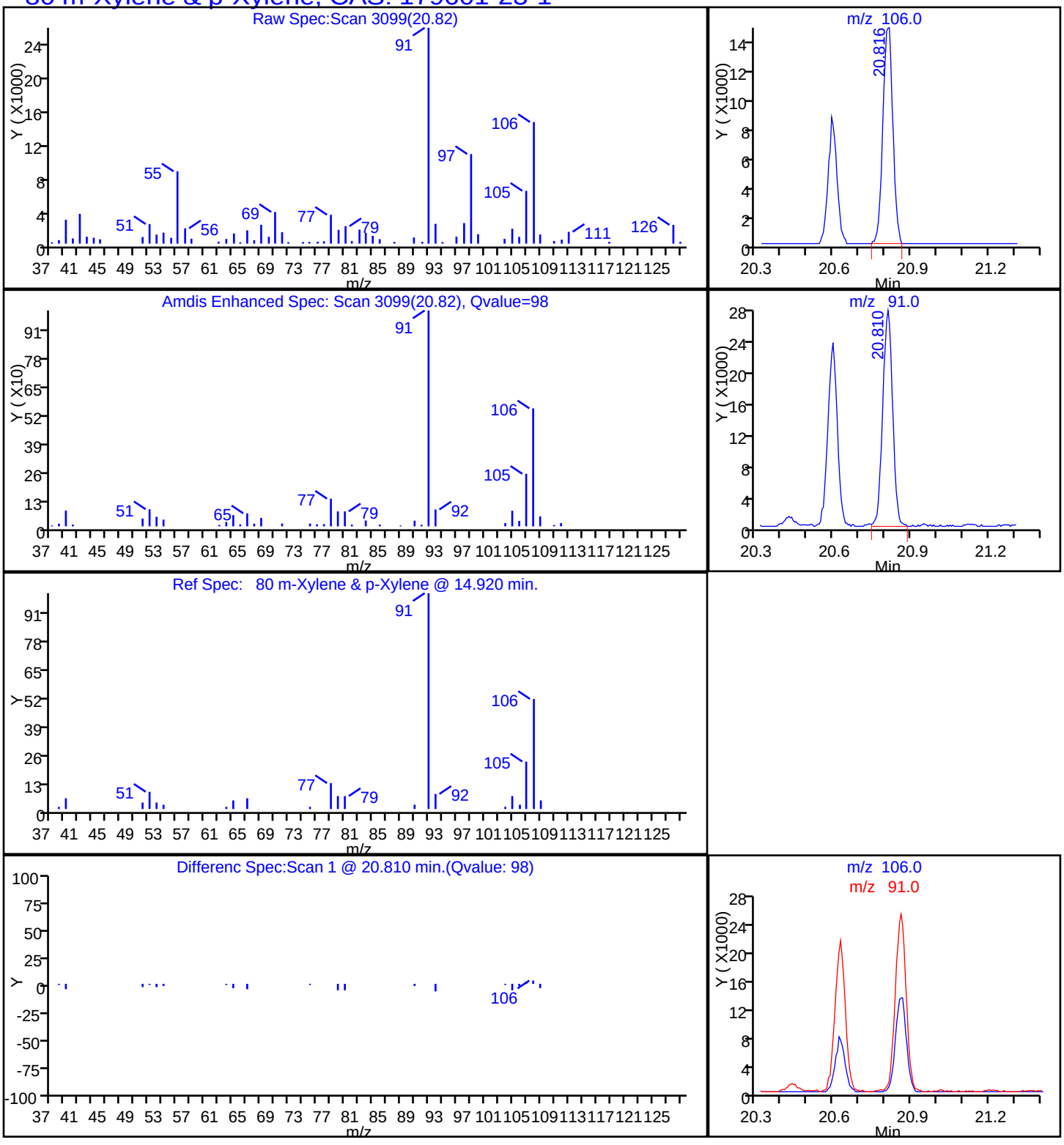
Report Date: 18-Jul-2014 10:16:59 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



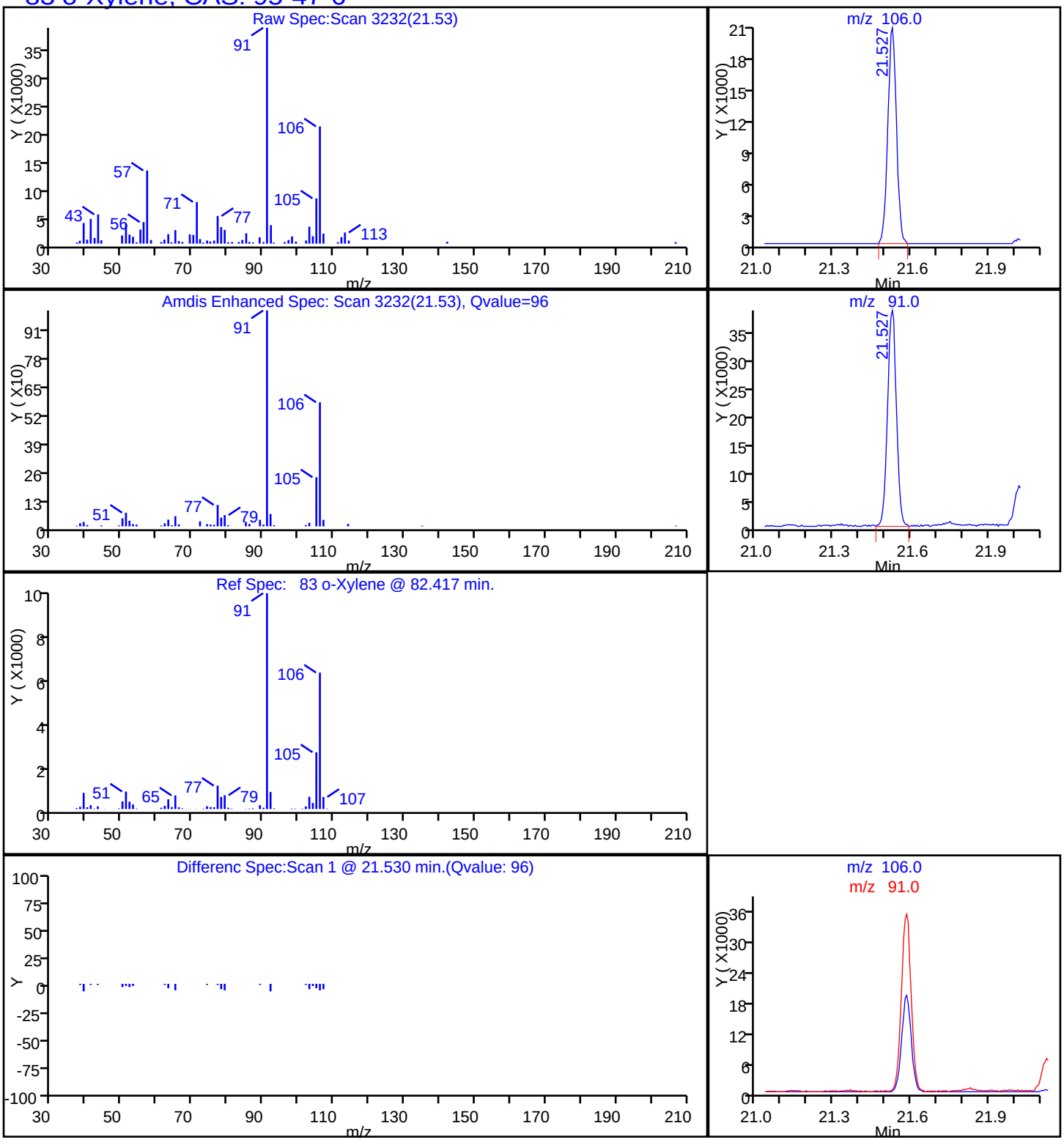
Report Date: 18-Jul-2014 10:16:59 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



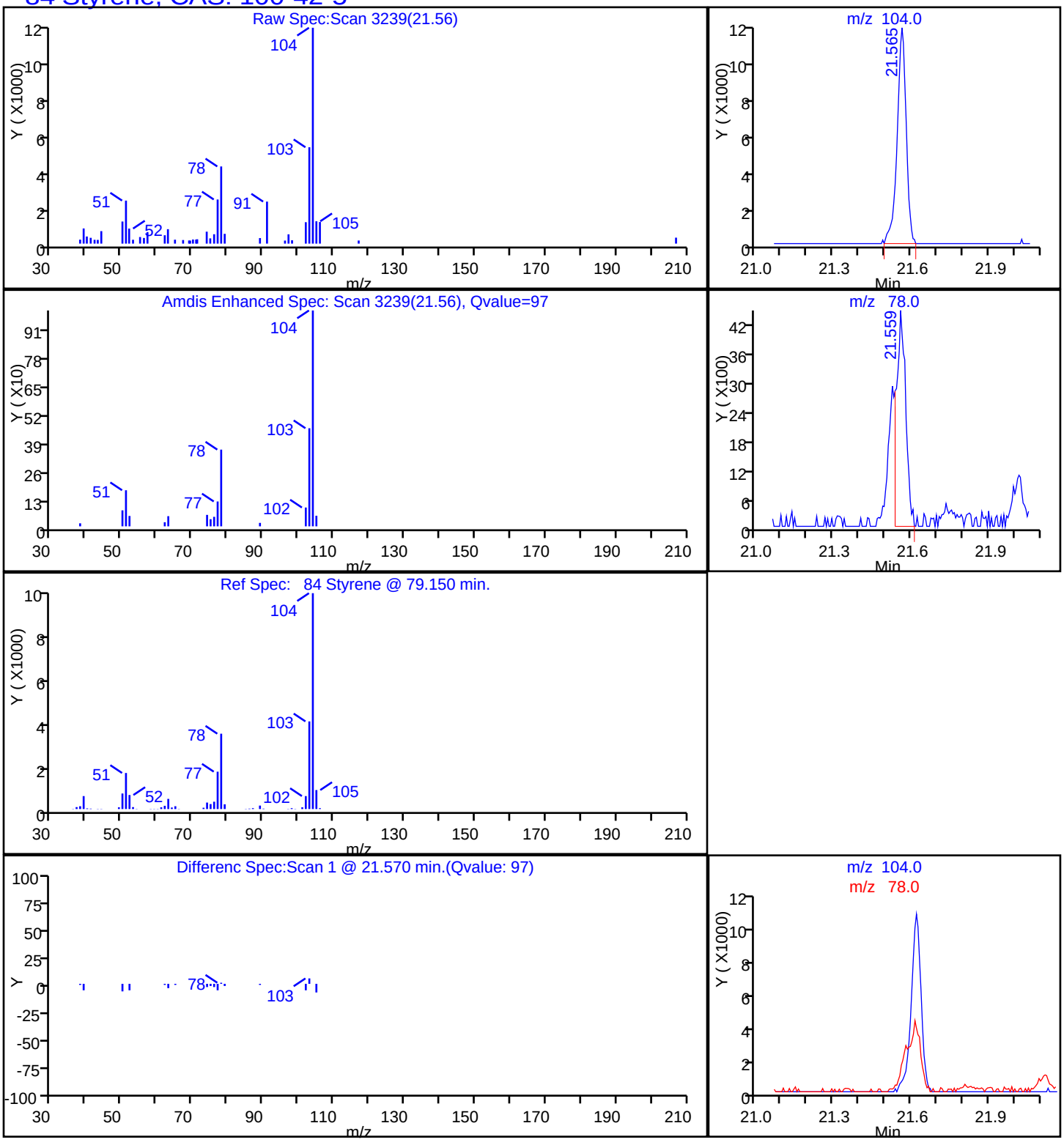
Report Date: 18-Jul-2014 10:16:59 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5



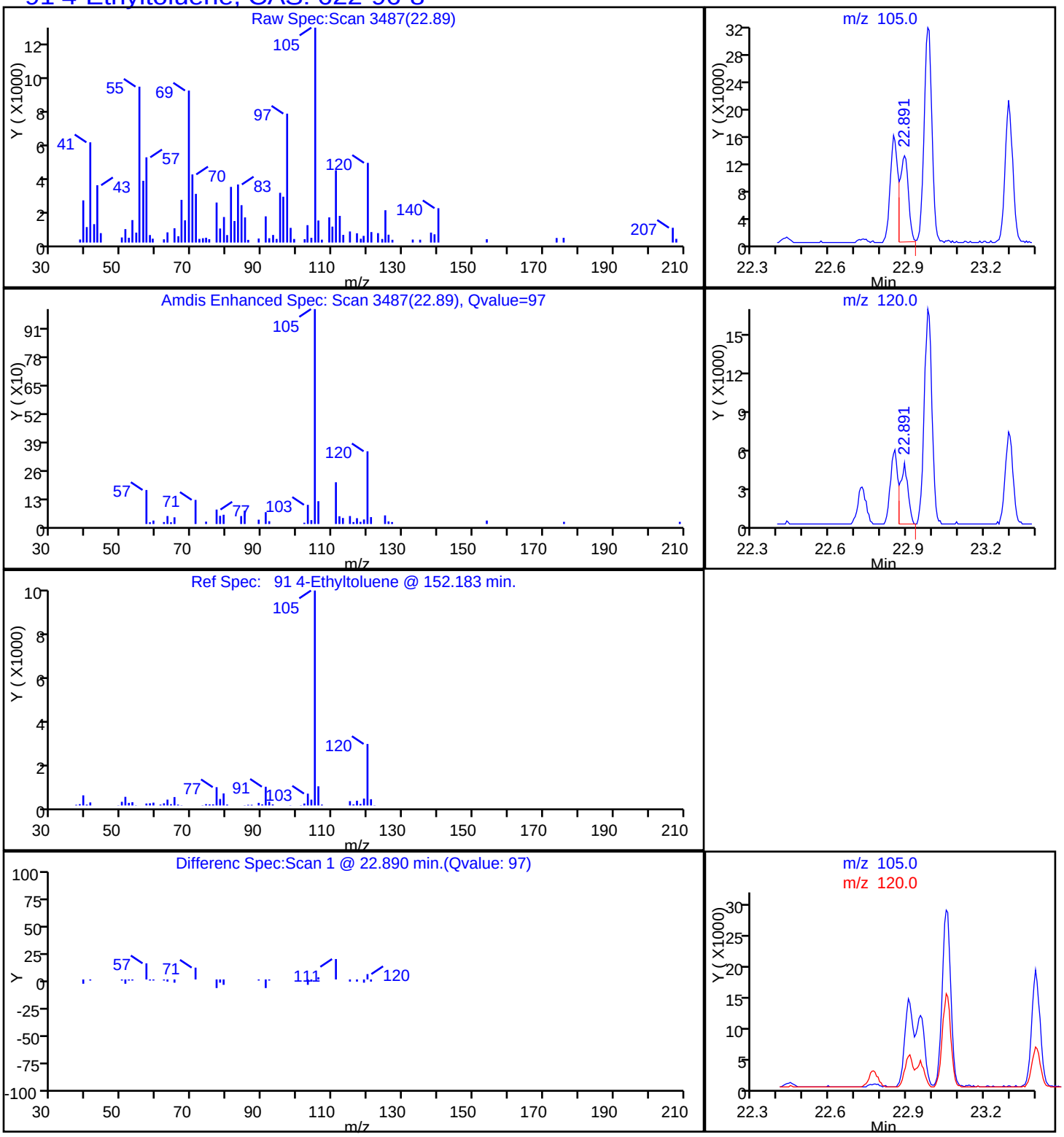
Report Date: 18-Jul-2014 10:16:59 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 4-Ethyltoluene, CAS: 622-96-8



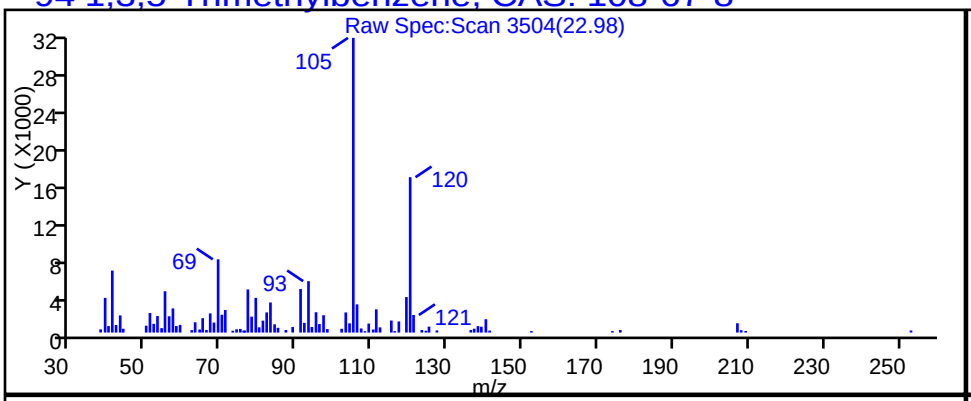
Report Date: 18-Jul-2014 10:16:59 Chrom Revision: 2.2 24-Jun-2014 07:21:42

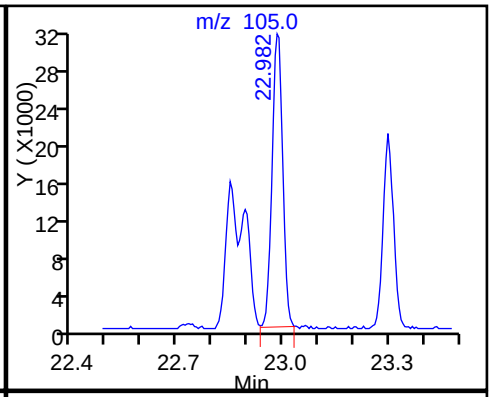
TestAmerica Burlington

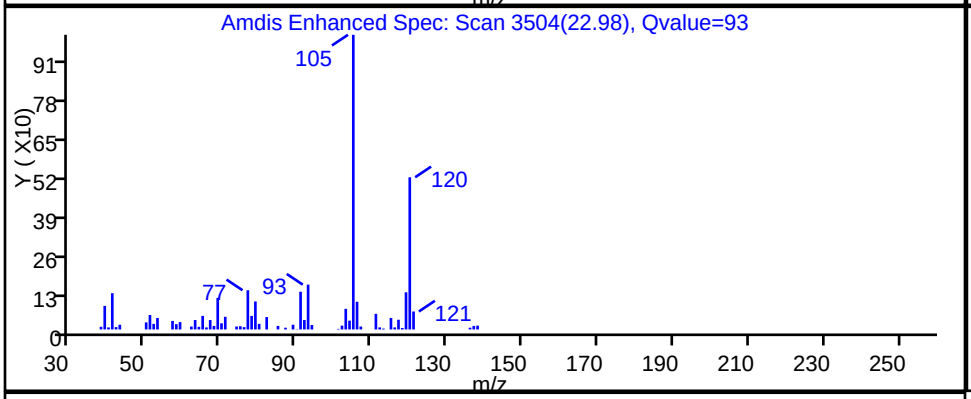
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

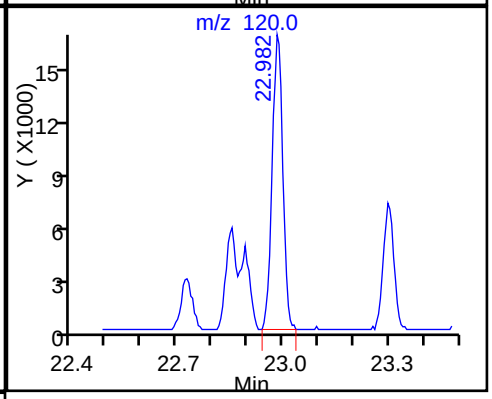
Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

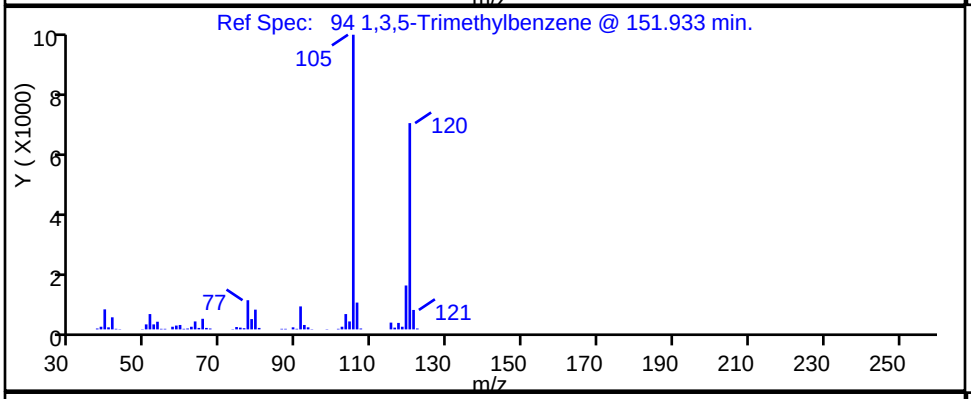
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

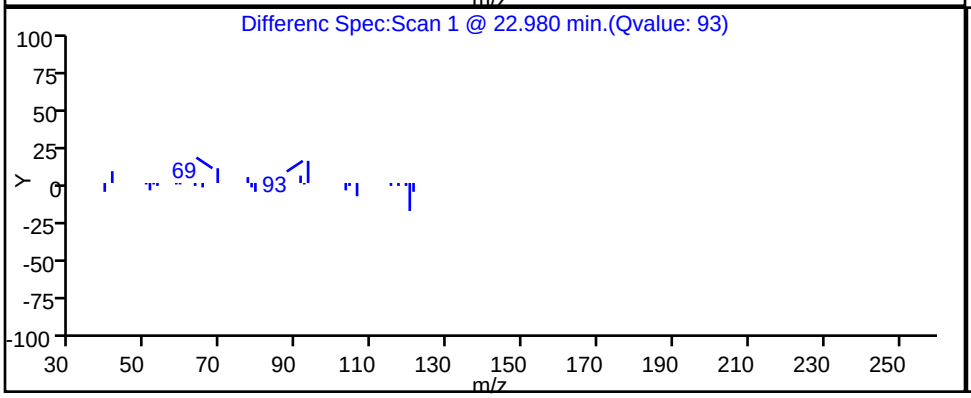


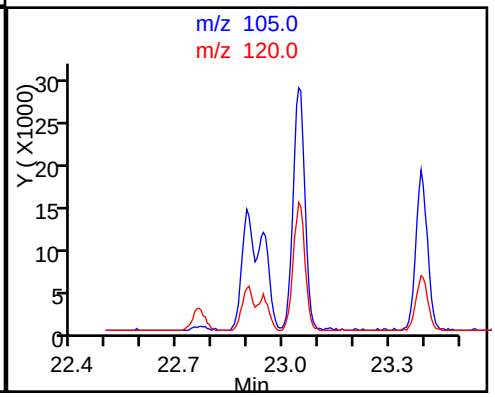












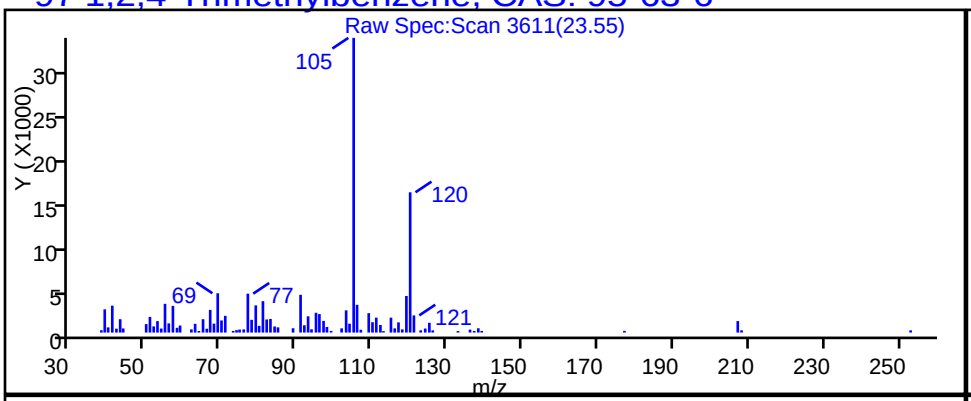
Report Date: 18-Jul-2014 10:16:59 Chrom Revision: 2.2 24-Jun-2014 07:21:42

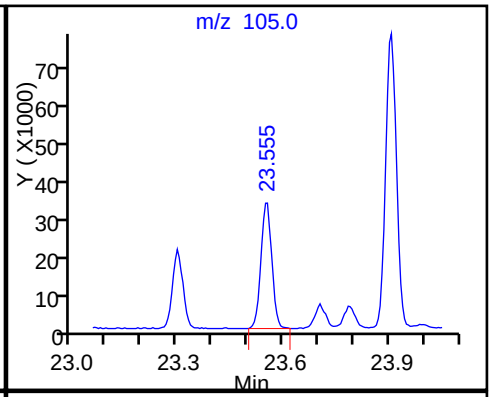
TestAmerica Burlington

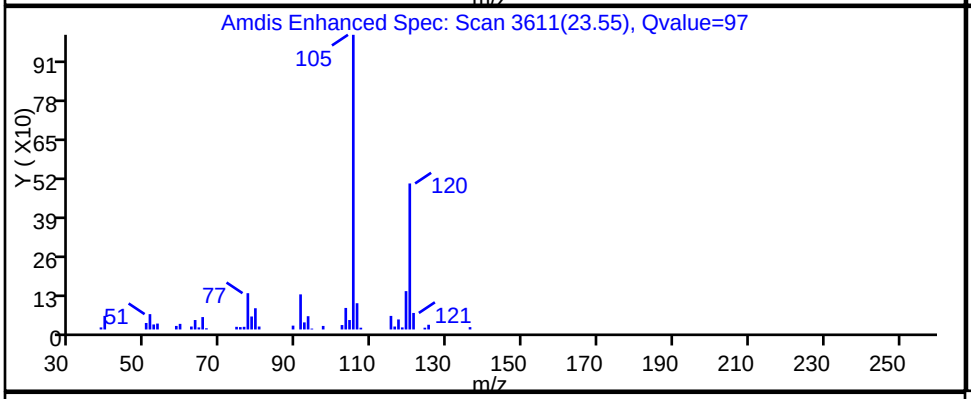
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

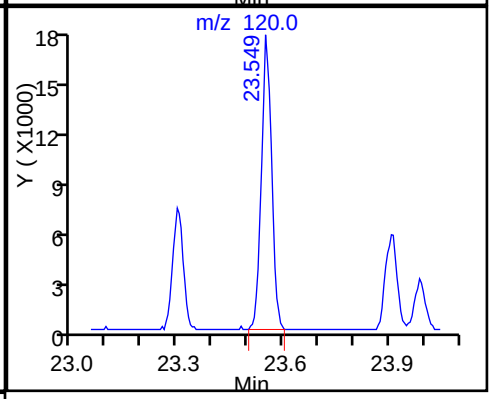
Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

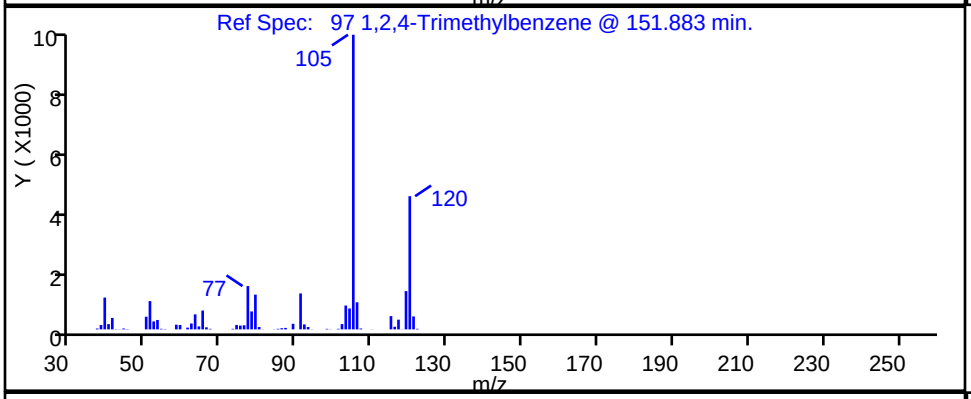
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

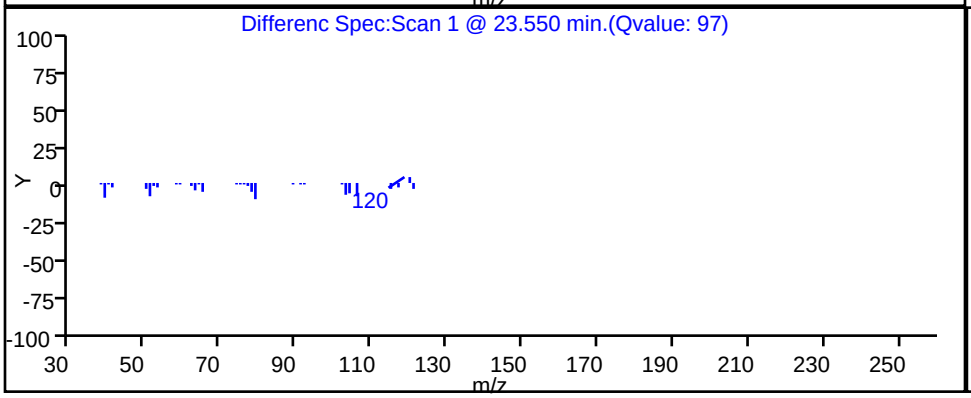


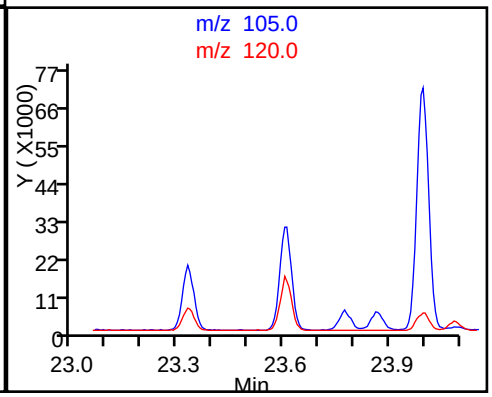












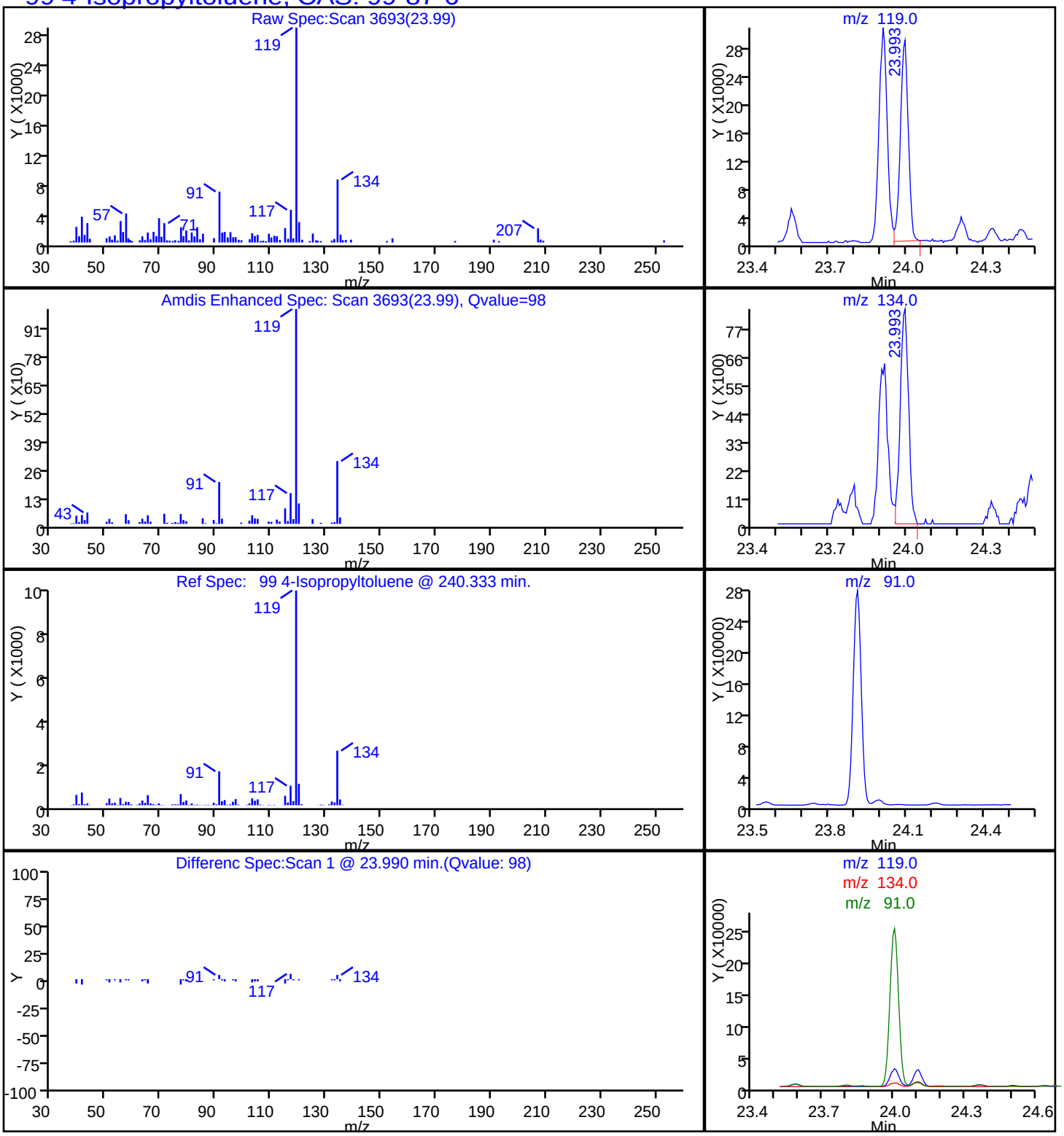
Report Date: 18-Jul-2014 10:16:59 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

99 4-Isopropyltoluene, CAS: 99-87-6



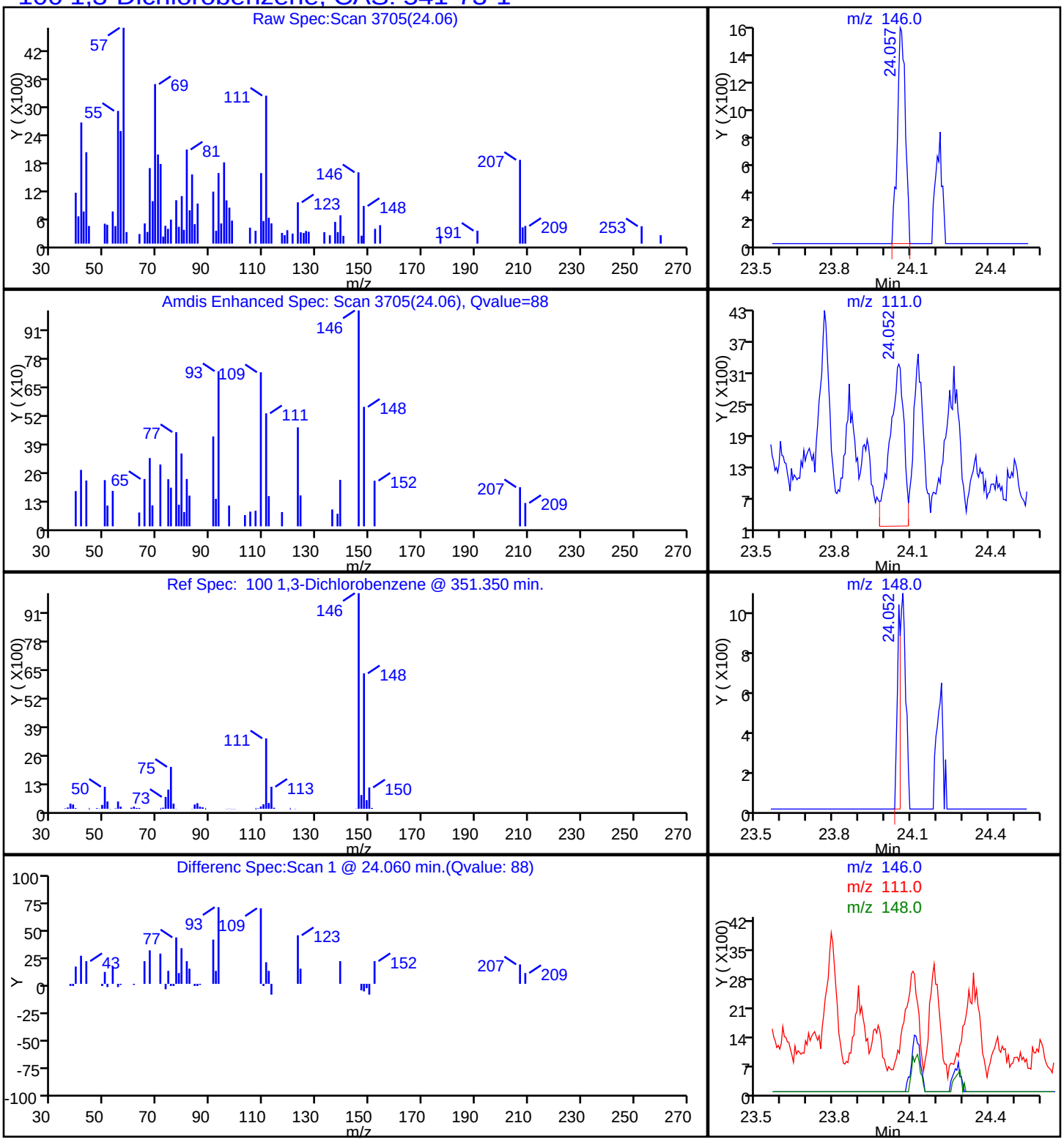
Report Date: 18-Jul-2014 10:16:59 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_013.d

Injection Date:	17-Jul-2014 20:48:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-9	Lab Sample ID:	200-23187-9		
Client ID:	SDS-4				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-5 Lab Sample ID: 200-23187-10

Matrix: Air Lab File ID: 8602_014.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:07

Sample wt/vol: 40(mL) Date Analyzed: 07/17/2014 21:36

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.59	J	2.5	0.15
75-45-6	Freon 22	86.47	1.1	J	2.5	0.24
76-14-2	Freon-114	170.92	1.0	U	1.0	0.18
74-87-3	Chloromethane	50.49	2.5	U	2.5	0.68
106-97-8	n-Butane	58.12	3.5		2.5	1.4
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.19
106-99-0	1,3-Butadiene	54.09	1.0	U	1.0	0.21
74-83-9	Bromomethane	94.94	1.0	U	1.0	0.14
75-00-3	Chloroethane	64.52	2.5	U	2.5	0.15
593-60-2	Vinyl bromide	106.96	1.0	U	1.0	0.15
75-69-4	Freon 11	137.37	0.27	J	1.0	0.15
76-13-1	Freon 113	187.38	1.0	U	1.0	0.090
75-35-4	1,1-Dichloroethene	96.94	1.0	U	1.0	0.12
67-64-1	Acetone	58.08	6.7	J	25	6.3
67-63-0	Isopropyl alcohol	60.10	82		25	1.1
75-15-0	Carbon disulfide	76.14	2.5	U	2.5	0.33
107-05-1	Allyl chloride	76.53	2.5	U	2.5	0.17
75-09-2	Methylene Chloride	84.93	120		2.5	0.63
75-65-0	tert-Butyl alcohol	74.12	25	U	25	1.6
1634-04-4	Methyl tert-butyl ether	88.15	1.0	U	1.0	0.11
156-60-5	trans-1,2-Dichloroethene	96.94	0.37	J	1.0	0.15
110-54-3	Hexane	86.17	1.0	U	1.0	0.17
75-34-3	1,1-Dichloroethane	98.96	1.0	U	1.0	0.19
78-93-3	Methyl Ethyl Ketone	72.11	2.5	U	2.5	1.2
156-59-2	cis-1,2-Dichloroethene	96.94	1.0	U	1.0	0.19
540-59-0	1,2-Dichloroethene, Total	96.94	0.37	J	1.0	0.32
67-66-3	Chloroform	119.38	11		1.0	0.13
109-99-9	Tetrahydrofuran	72.11	25	U	25	0.23
71-55-6	1,1,1-Trichloroethane	133.41	0.28	J	1.0	0.11
110-82-7	Cyclohexane	84.16	1.6		1.0	0.13
56-23-5	Carbon tetrachloride	153.81	0.20	U	0.20	0.11
540-84-1	2,2,4-Trimethylpentane	114.23	1.0	U	1.0	0.14
71-43-2	Benzene	78.11	0.18	J	1.0	0.095
107-06-2	1,2-Dichloroethane	98.96	1.0	U	1.0	0.085
142-82-5	Heptane	100.21	0.39	J	1.0	0.23

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-5 Lab Sample ID: 200-23187-10

Matrix: Air Lab File ID: 8602_014.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:07

Sample wt/vol: 40(mL) Date Analyzed: 07/17/2014 21:36

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.4		0.20	0.12
80-62-6	Methyl methacrylate	100.12	2.5	U	2.5	0.15
78-87-5	1,2-Dichloropropane	112.99	1.0	U	1.0	0.16
123-91-1	1,4-Dioxane	88.11	25	U	25	1.0
75-27-4	Bromodichloromethane	163.83	1.0	U	1.0	0.085
10061-01-5	cis-1,3-Dichloropropene	110.97	1.0	U	1.0	0.14
108-10-1	methyl isobutyl ketone	100.16	2.5	U	2.5	0.14
108-88-3	Toluene	92.14	0.62	J	1.0	0.085
10061-02-6	trans-1,3-Dichloropropene	110.97	1.0	U	1.0	0.11
79-00-5	1,1,2-Trichloroethane	133.41	1.0	U	1.0	0.085
127-18-4	Tetrachloroethene	165.83	1.1		1.0	0.080
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.5	U	2.5	1.0
124-48-1	Dibromochloromethane	208.29	1.0	U	1.0	0.10
106-93-4	1,2-Dibromoethane	187.87	1.0	U	1.0	0.10
108-90-7	Chlorobenzene	112.56	1.0	U	1.0	0.041
100-41-4	Ethylbenzene	106.17	0.24	J	1.0	0.065
179601-23-1	m,p-Xylene	106.17	0.89	J	2.5	0.12
95-47-6	Xylene, o-	106.17	0.23	J	1.0	0.080
1330-20-7	Xylene (total)	106.17	1.1		1.0	0.17
100-42-5	Styrene	104.15	1.0	U	1.0	0.090
75-25-2	Bromoform	252.75	1.0	U	1.0	0.050
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.0	U	1.0	0.080
103-65-1	n-Propylbenzene	120.19	1.0	U	1.0	0.40
622-96-8	4-Ethyltoluene	120.20	1.0	U	1.0	0.090
108-67-8	1,3,5-Trimethylbenzene	120.20	1.0	U	1.0	0.060
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.065
98-06-6	tert-Butylbenzene	134.22	1.0	U	1.0	0.085
95-63-6	1,2,4-Trimethylbenzene	120.20	0.11	J	1.0	0.070
135-98-8	sec-Butylbenzene	134.22	1.0	U	1.0	0.40
99-87-6	4-Isopropyltoluene	134.22	1.0	U	1.0	0.40
541-73-1	1,3-Dichlorobenzene	147.00	1.0	U	1.0	0.070
106-46-7	1,4-Dichlorobenzene	147.00	1.0	U	1.0	0.070
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.40
104-51-8	n-Butylbenzene	134.22	1.0	U	1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-5 Lab Sample ID: 200-23187-10

Matrix: Air Lab File ID: 8602_014.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:07

Sample wt/vol: 40(mL) Date Analyzed: 07/17/2014 21:36

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.0	U	1.0	0.070
120-82-1	1,2,4-Trichlorobenzene	181.45	2.5	U	2.5	0.14
87-68-3	Hexachloro-1,3-butadiene	260.76	1.0	U	1.0	0.11
91-20-3	Naphthalene	128.17	2.5	U	2.5	1.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-5 Lab Sample ID: 200-23187-10

Matrix: Air Lab File ID: 8602_014.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:07

Sample wt/vol: 40(mL) Date Analyzed: 07/17/2014 21:36

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.9	J	12	0.74
75-45-6	Freon 22	86.47	4.0	J	8.8	0.85
76-14-2	Freon-114	170.92	7.0	U	7.0	1.2
74-87-3	Chloromethane	50.49	5.2	U	5.2	1.4
106-97-8	n-Butane	58.12	8.4		5.9	3.4
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.49
106-99-0	1,3-Butadiene	54.09	2.2	U	2.2	0.46
74-83-9	Bromomethane	94.94	3.9	U	3.9	0.54
75-00-3	Chloroethane	64.52	6.6	U	6.6	0.40
593-60-2	Vinyl bromide	106.96	4.4	U	4.4	0.66
75-69-4	Freon 11	137.37	1.5	J	5.6	0.84
76-13-1	Freon 113	187.38	7.7	U	7.7	0.69
75-35-4	1,1-Dichloroethene	96.94	4.0	U	4.0	0.48
67-64-1	Acetone	58.08	16	J	59	15
67-63-0	Isopropyl alcohol	60.10	200		61	2.6
75-15-0	Carbon disulfide	76.14	7.8	U	7.8	1.0
107-05-1	Allyl chloride	76.53	7.8	U	7.8	0.53
75-09-2	Methylene Chloride	84.93	410		8.7	2.2
75-65-0	tert-Butyl alcohol	74.12	76	U	76	5.0
1634-04-4	Methyl tert-butyl ether	88.15	3.6	U	3.6	0.40
156-60-5	trans-1,2-Dichloroethene	96.94	1.5	J	4.0	0.57
110-54-3	Hexane	86.17	3.5	U	3.5	0.60
75-34-3	1,1-Dichloroethane	98.96	4.0	U	4.0	0.77
78-93-3	Methyl Ethyl Ketone	72.11	7.4	U	7.4	3.6
156-59-2	cis-1,2-Dichloroethene	96.94	4.0	U	4.0	0.75
540-59-0	1,2-Dichloroethene, Total	96.94	1.5	J	4.0	1.3
67-66-3	Chloroform	119.38	54		4.9	0.61
109-99-9	Tetrahydrofuran	72.11	74	U	74	0.68
71-55-6	1,1,1-Trichloroethane	133.41	1.5	J	5.5	0.57
110-82-7	Cyclohexane	84.16	5.4		3.4	0.43
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	0.66
540-84-1	2,2,4-Trimethylpentane	114.23	4.7	U	4.7	0.63
71-43-2	Benzene	78.11	0.58	J	3.2	0.30
107-06-2	1,2-Dichloroethane	98.96	4.0	U	4.0	0.34
142-82-5	Heptane	100.21	1.6	J	4.1	0.94

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-5 Lab Sample ID: 200-23187-10

Matrix: Air Lab File ID: 8602_014.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:07

Sample wt/vol: 40(mL) Date Analyzed: 07/17/2014 21:36

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	13		1.1	0.64
80-62-6	Methyl methacrylate	100.12	10	U	10	0.61
78-87-5	1,2-Dichloropropane	112.99	4.6	U	4.6	0.74
123-91-1	1,4-Dioxane	88.11	90	U	90	3.6
75-27-4	Bromodichloromethane	163.83	6.7	U	6.7	0.57
10061-01-5	cis-1,3-Dichloropropene	110.97	4.5	U	4.5	0.64
108-10-1	methyl isobutyl ketone	100.16	10	U	10	0.55
108-88-3	Toluene	92.14	2.3	J	3.8	0.32
10061-02-6	trans-1,3-Dichloropropene	110.97	4.5	U	4.5	0.50
79-00-5	1,1,2-Trichloroethane	133.41	5.5	U	5.5	0.46
127-18-4	Tetrachloroethene	165.83	7.3		6.8	0.54
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10	U	10	4.1
124-48-1	Dibromochloromethane	208.29	8.5	U	8.5	0.85
106-93-4	1,2-Dibromoethane	187.87	7.7	U	7.7	0.77
108-90-7	Chlorobenzene	112.56	4.6	U	4.6	0.19
100-41-4	Ethylbenzene	106.17	1.0	J	4.3	0.28
179601-23-1	m,p-Xylene	106.17	3.8	J	11	0.50
95-47-6	Xylene, o-	106.17	1.0	J	4.3	0.35
1330-20-7	Xylene (total)	106.17	4.9		4.3	0.74
100-42-5	Styrene	104.15	4.3	U	4.3	0.38
75-25-2	Bromoform	252.75	10	U	10	0.52
79-34-5	1,1,2,2-Tetrachloroethane	167.85	6.9	U	6.9	0.55
103-65-1	n-Propylbenzene	120.19	4.9	U	4.9	2.0
622-96-8	4-Ethyltoluene	120.20	4.9	U	4.9	0.44
108-67-8	1,3,5-Trimethylbenzene	120.20	4.9	U	4.9	0.29
95-49-8	2-Chlorotoluene	126.59	5.2	U	5.2	0.34
98-06-6	tert-Butylbenzene	134.22	5.5	U	5.5	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	0.56	J	4.9	0.34
135-98-8	sec-Butylbenzene	134.22	5.5	U	5.5	2.2
99-87-6	4-Isopropyltoluene	134.22	5.5	U	5.5	2.2
541-73-1	1,3-Dichlorobenzene	147.00	6.0	U	6.0	0.42
106-46-7	1,4-Dichlorobenzene	147.00	6.0	U	6.0	0.42
100-44-7	Benzyl chloride	126.58	5.2	U	5.2	2.1
104-51-8	n-Butylbenzene	134.22	5.5	U	5.5	2.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-5 Lab Sample ID: 200-23187-10

Matrix: Air Lab File ID: 8602_014.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:07

Sample wt/vol: 40(mL) Date Analyzed: 07/17/2014 21:36

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	6.0	U	6.0	0.42
120-82-1	1,2,4-Trichlorobenzene	181.45	19	U	19	1.0
87-68-3	Hexachloro-1,3-butadiene	260.76	11	U	11	1.2
91-20-3	Naphthalene	128.17	13	U	13	5.2

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d
Lims ID: 200-23187-A-10 Lab Sample ID: 200-23187-10
Client ID: SDS-5
Sample Type: Client
Inject. Date: 17-Jul-2014 21:36:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Sample Info: 200-0008602-014
Misc. Info.: 200-23187-A-10
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Jul-2014 10:06:54 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 18-Jul-2014 09:40:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.483	4.488	-0.005	97	14338	0.1184	
6 Chlorodifluoromethane	51	4.558	4.552	0.006	96	13567	0.2241	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.836				ND	
8 Chloromethane	50		5.034				ND	
9 Butane	43	5.296	5.291	0.006	98	42116	0.7092	
10 Vinyl chloride	62		5.349				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.318				ND	
14 Chloroethane	64		6.601				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101	7.201	7.190	0.011	96	7270	0.0544	
23 1,1,2-Trichloro-1,2,2-trif	101		8.436				ND	
24 1,1-Dichloroethene	96		8.511				ND	
25 Acetone	43	8.763	8.741	0.022	89	85020	1.34	
26 Carbon disulfide	76		9.003				ND	
27 Isopropyl alcohol	45	9.030	9.025	0.005	98	878762	16.5	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49	9.736	9.731	0.005	84	1014409	23.4	
32 2-Methyl-2-propanol	59		9.897				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61				0		0.0737	
34 trans-1,2-Dichloroethene	61	10.228	10.228	0.000	85	4440	0.0737	
36 Hexane	57		10.640				ND	
37 1,1-Dichloroethane	63		11.191				ND	
39 cis-1,2-Dichloroethene	96		12.363				ND	
40 2-Butanone (MEK)	72		12.379				ND	
44 Tetrahydrofuran	42		12.839				ND	
* 43 Chlorobromomethane	128	12.844	12.850	-0.006	76	414203	10.0	
45 Chloroform	83	12.957	12.957	0.000	100	216382	2.19	
46 Cyclohexane	84	13.251	13.256	-0.005	87	23520	0.3112	
47 1,1,1-Trichloroethane	97	13.272	13.262	0.010	95	6024	0.0559	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.524				ND	
51 Isooctane	57		13.909				ND	
50 Benzene	78	13.968	13.973	-0.005	95	5816	0.0364	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43	14.284	14.262	0.022	66	6434	0.0787	
* 54 1,4-Difluorobenzene	114	14.728	14.727	0.001	92	2038629	10.0	
56 Trichloroethene	95	15.193	15.198	-0.005	93	35745	0.4771	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.888				ND	
62 Dichlorobromomethane	83		16.209				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.301				ND	
66 Toluene	92	17.643	17.638	0.005	94	15839	0.1234	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166	18.676	18.681	-0.005	97	28444	0.2140	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.2237	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	82	1805900	10.0	
77 Chlorobenzene	112		20.478				ND	
78 Ethylbenzene	91	20.596	20.596	0.000	96	12251	0.0480	
80 m-Xylene & p-Xylene	106	20.805	20.810	-0.005	99	19332	0.1773	
83 o-Xylene	106	21.522	21.527	-0.005	95	5169	0.0464	M
84 Styrene	104		21.564				ND	
85 Bromoform	173		21.949				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.436	-0.010	98	1121745	NC	
88 1,1,2,2-Tetrachloroethane	83		22.666				ND	
90 N-Propylbenzene	91		22.741				ND	
91 4-Ethyltoluene	105		22.907				ND	
92 2-Chlorotoluene	91		22.945				ND	
94 1,3,5-Trimethylbenzene	105		22.998				ND	
96 tert-Butylbenzene	119		23.474				ND	
97 1,2,4-Trimethylbenzene	105	23.555	23.565	-0.010	95	5876	0.0226	
98 sec-Butylbenzene	105		23.806				ND	
99 4-Isopropyltoluene	119		24.009				ND	
100 1,3-Dichlorobenzene	146		24.079				ND	
101 1,4-Dichlorobenzene	146		24.223				ND	
102 Benzyl chloride	91		24.432				ND	
103 n-Butylbenzene	91		24.640				ND	
105 1,2-Dichlorobenzene	146		24.828				ND	
107 1,2,4-Trichlorobenzene	180		27.706				ND	
108 Hexachlorobutadiene	225		27.904				ND	
109 Naphthalene	128		28.289				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

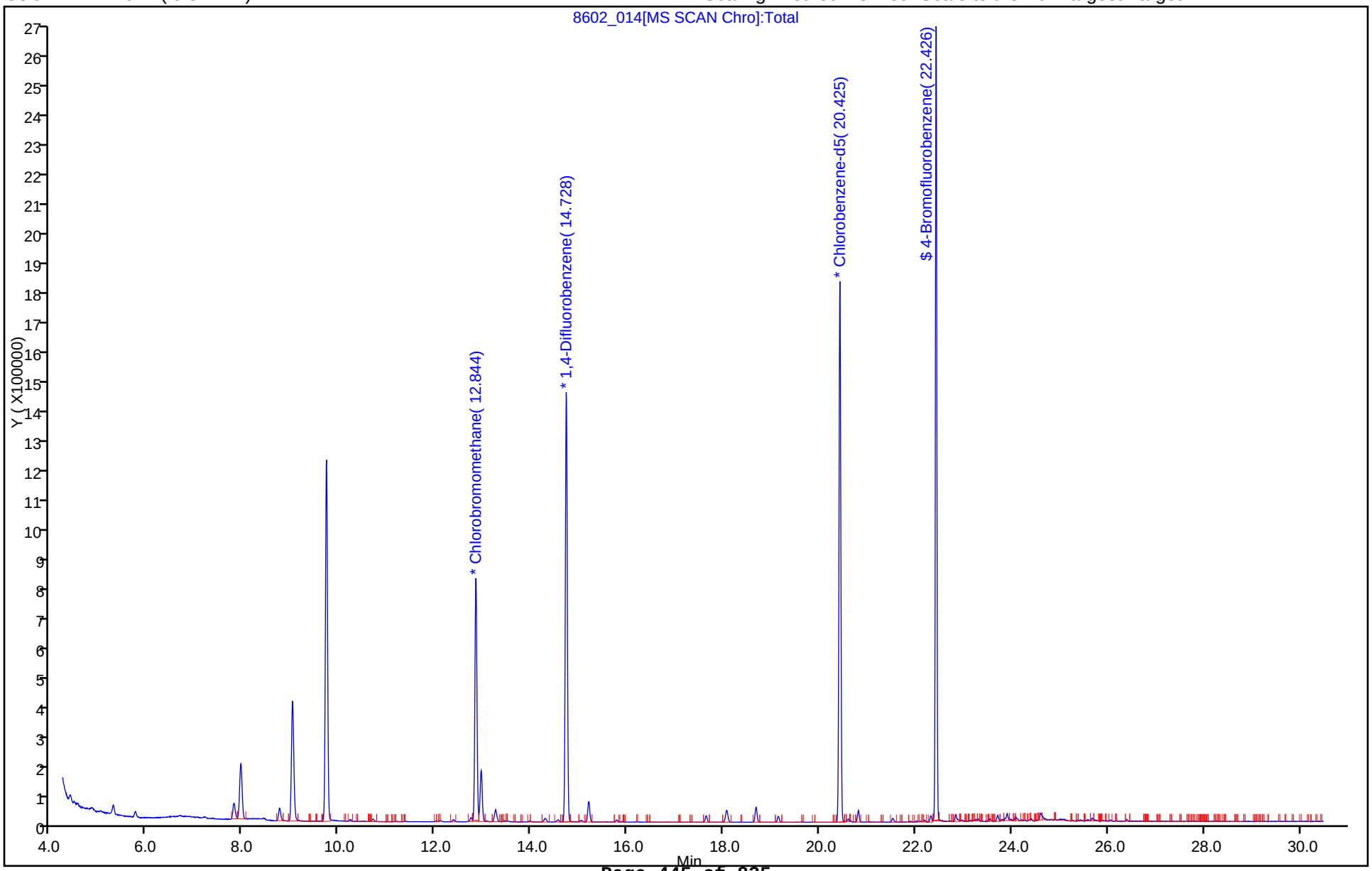
Report Date: 18-Jul-2014 10:17:01 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d

Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10	Worklist Smp#:	14
Client ID:	SDS-5				
Purge Vol:	200.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	13
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



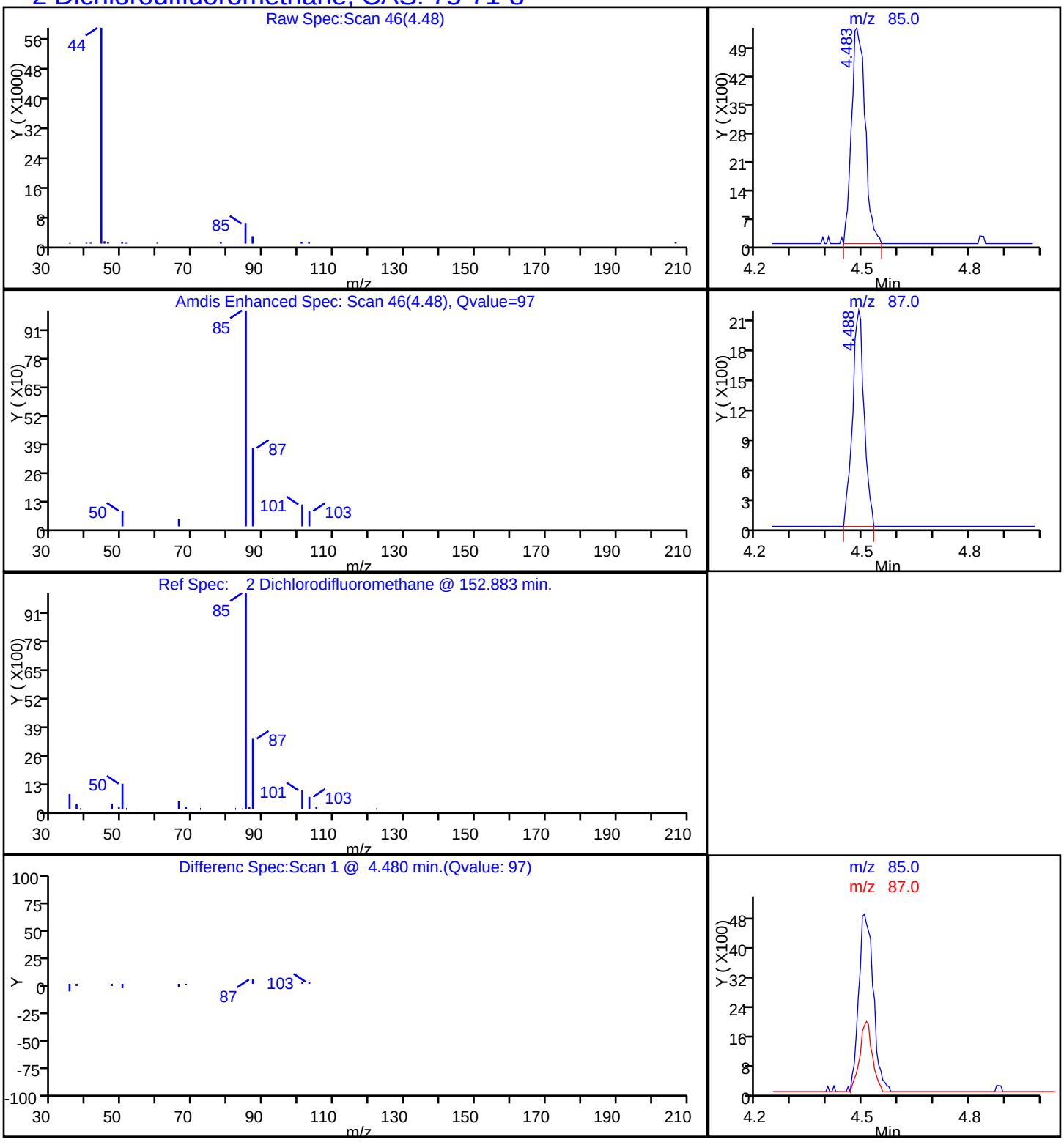
Report Date: 18-Jul-2014 10:17:01 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d

Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8



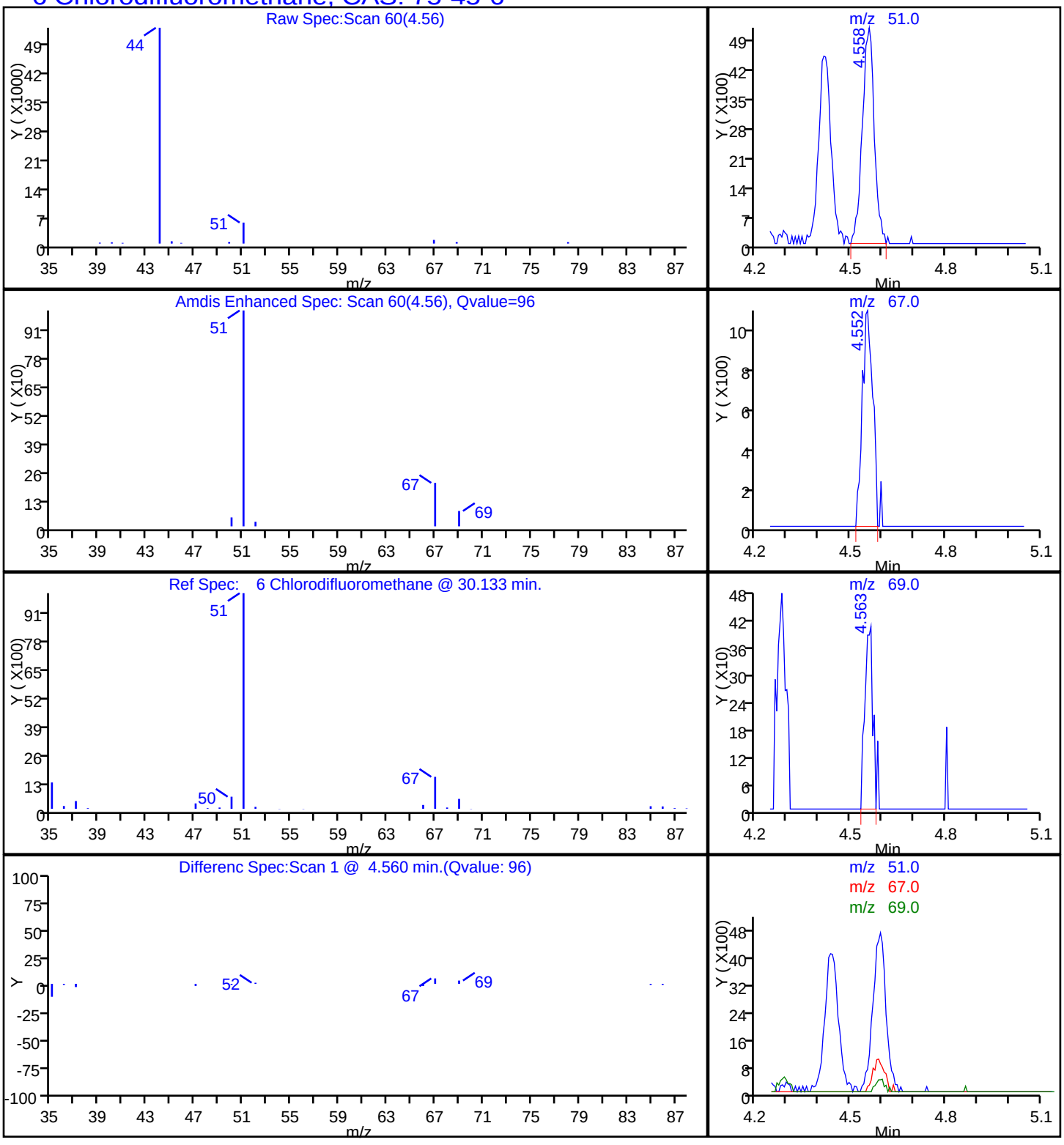
Report Date: 18-Jul-2014 10:17:01 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d

Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



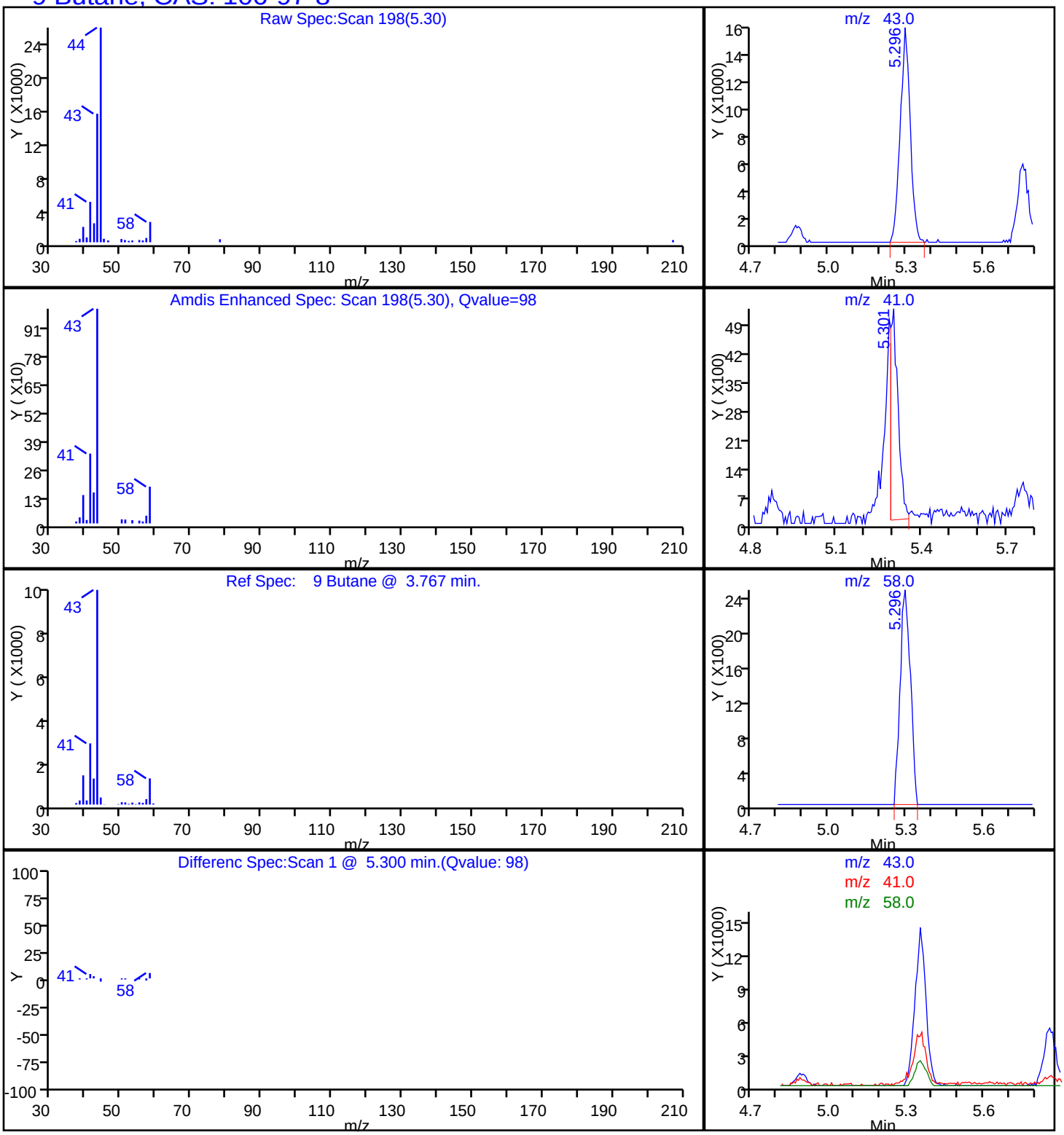
Report Date: 18-Jul-2014 10:17:01 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d

Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



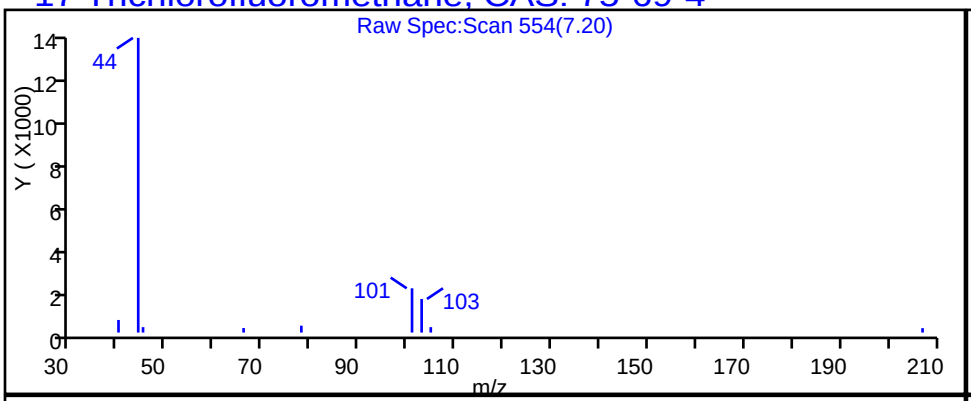
Report Date: 18-Jul-2014 10:17:01 Chrom Revision: 2.2 24-Jun-2014 07:21:42

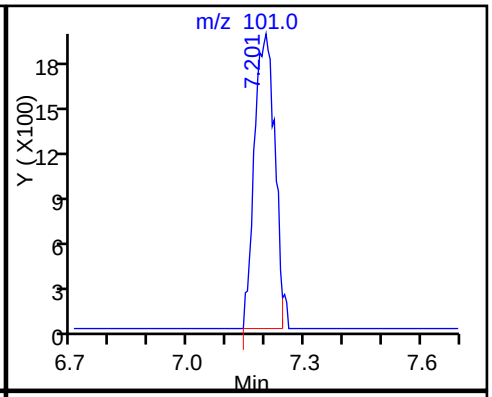
TestAmerica Burlington

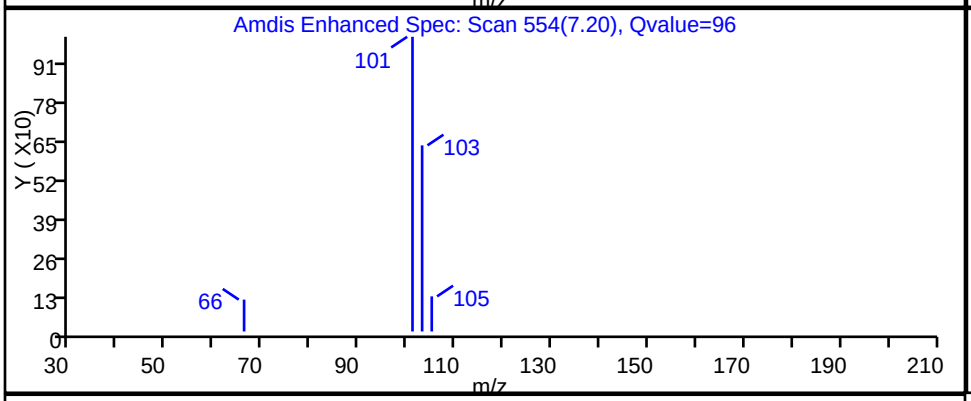
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d

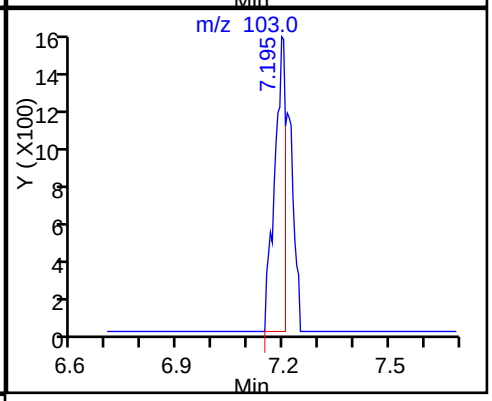
Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

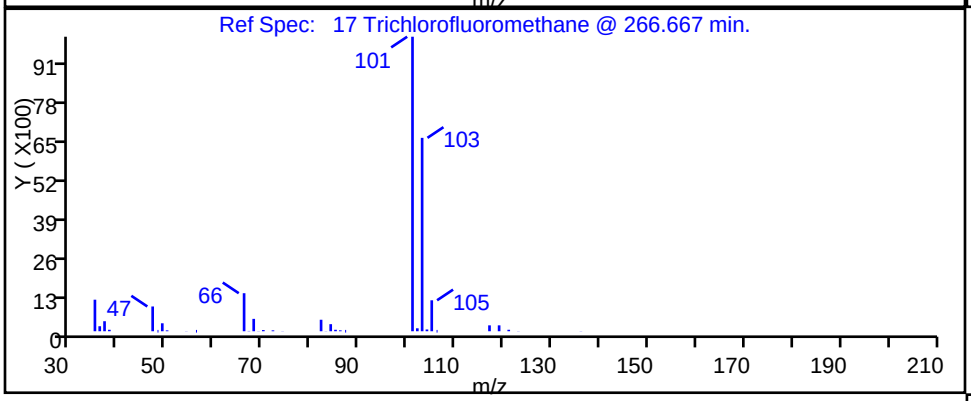
17 Trichlorofluoromethane, CAS: 75-69-4

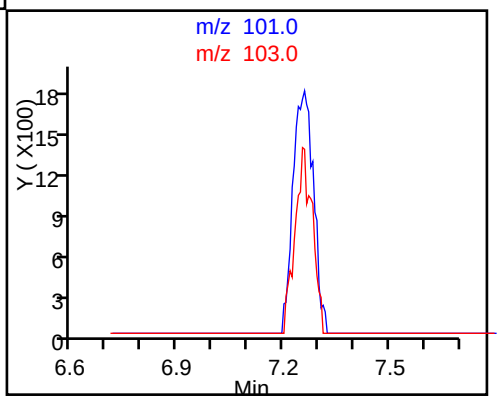












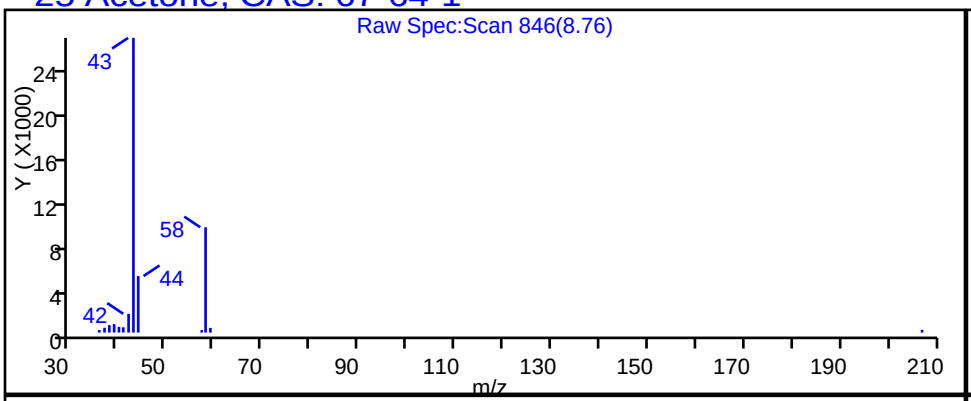
Report Date: 18-Jul-2014 10:17:01 Chrom Revision: 2.2 24-Jun-2014 07:21:42

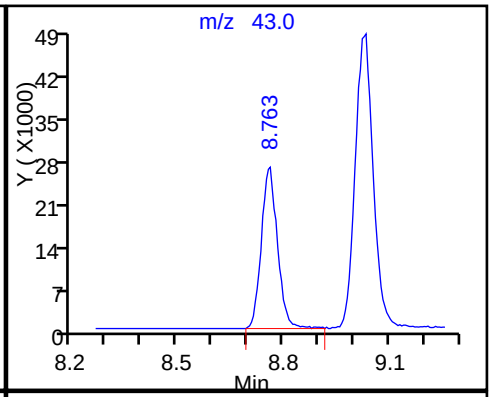
TestAmerica Burlington

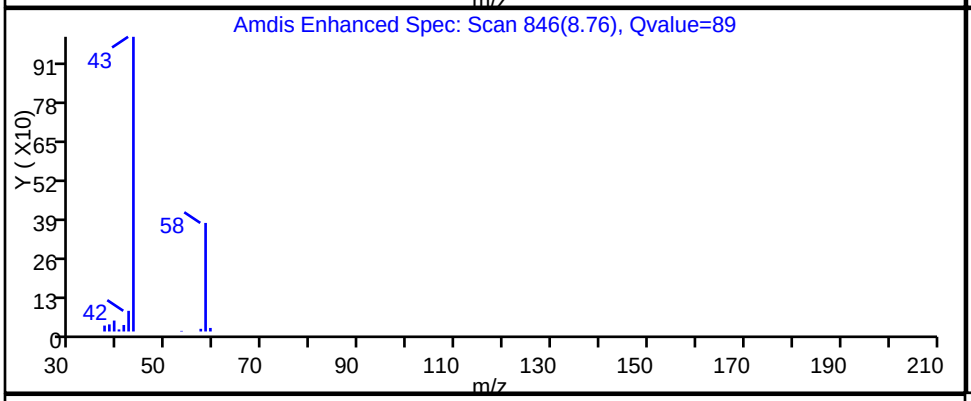
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d

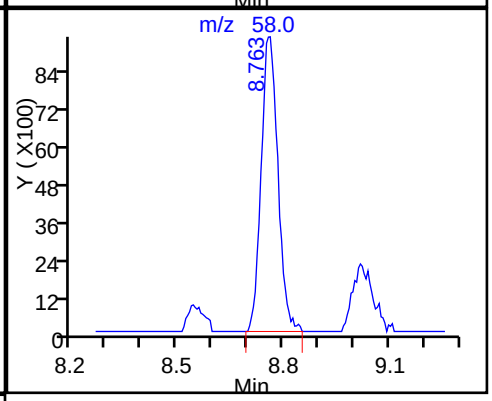
Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

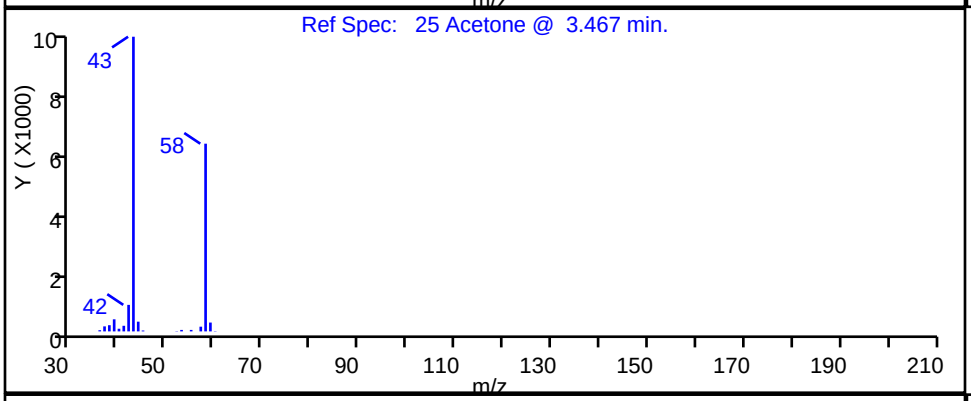
25 Acetone, CAS: 67-64-1

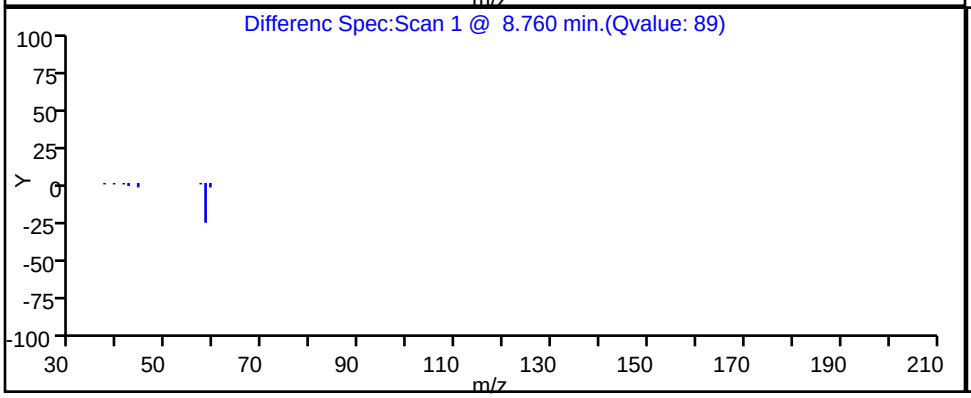


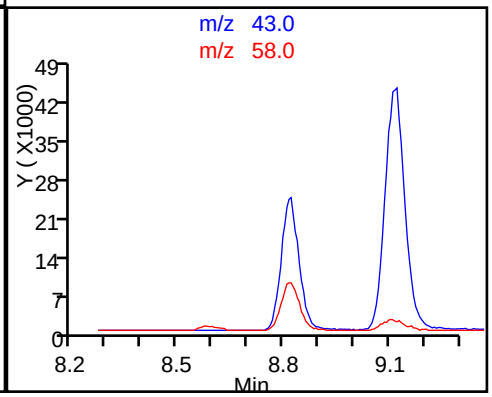












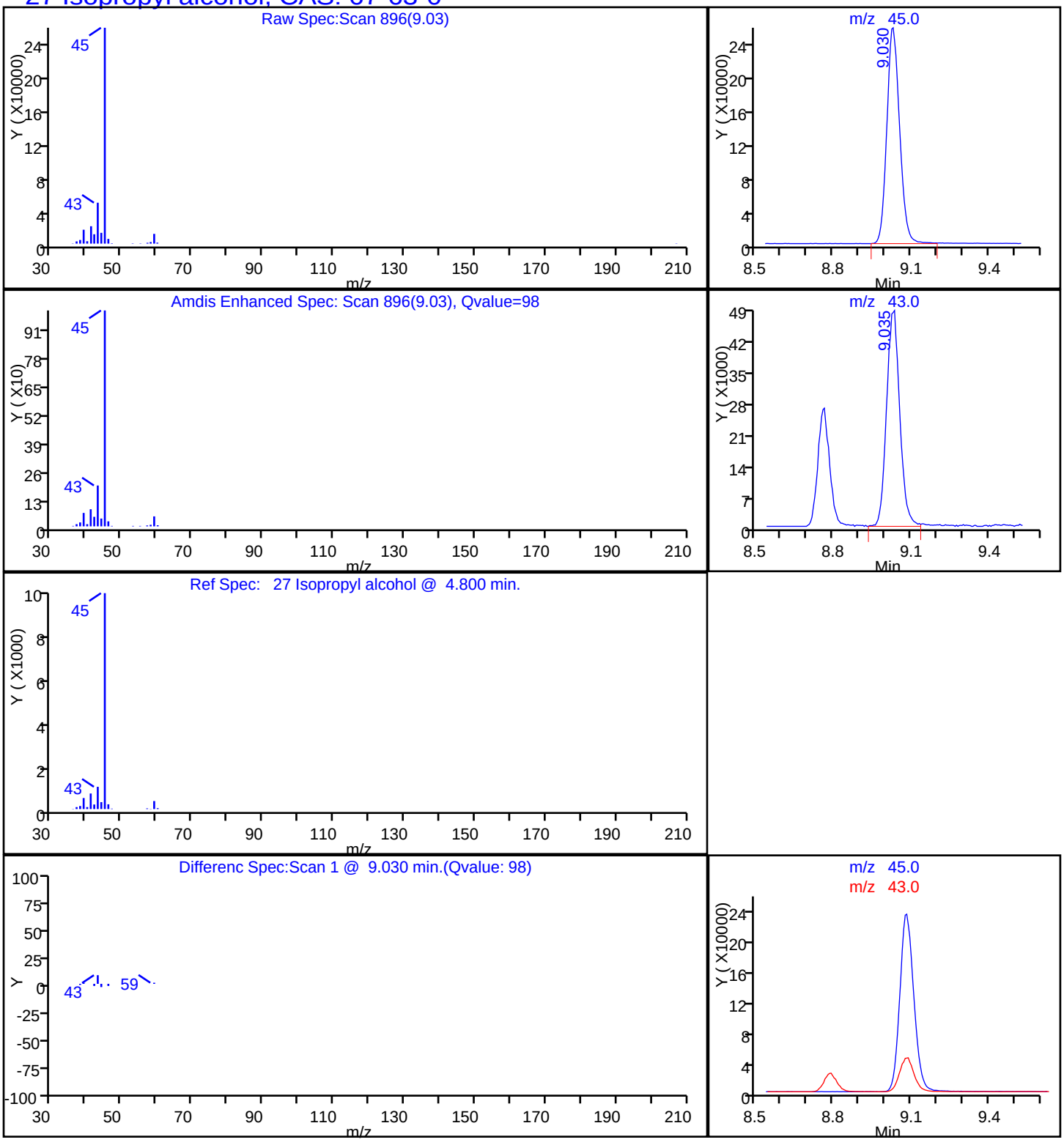
Report Date: 18-Jul-2014 10:17:01 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d

Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



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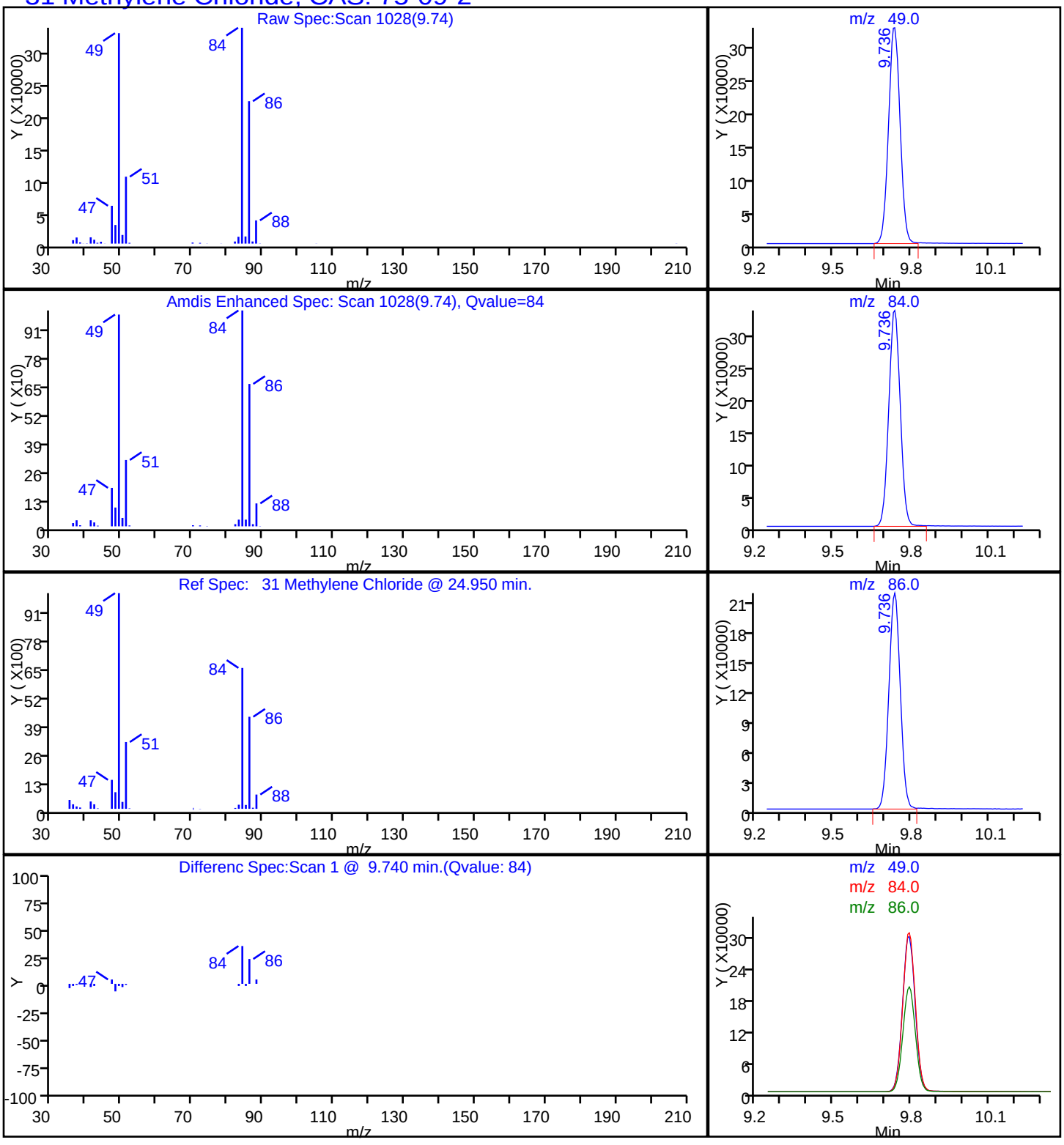
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d

Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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TestAmerica Burlington

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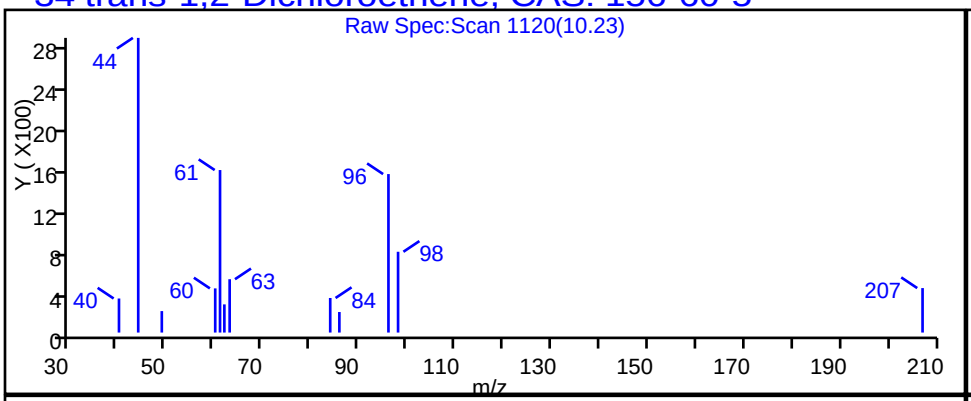
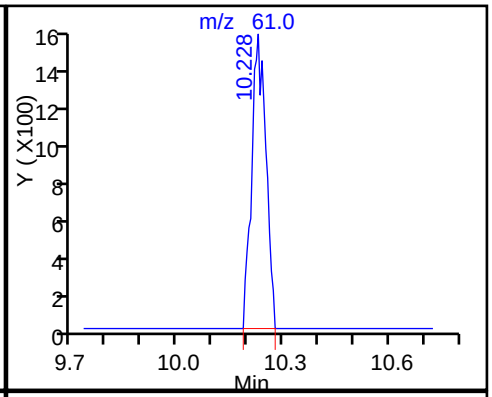
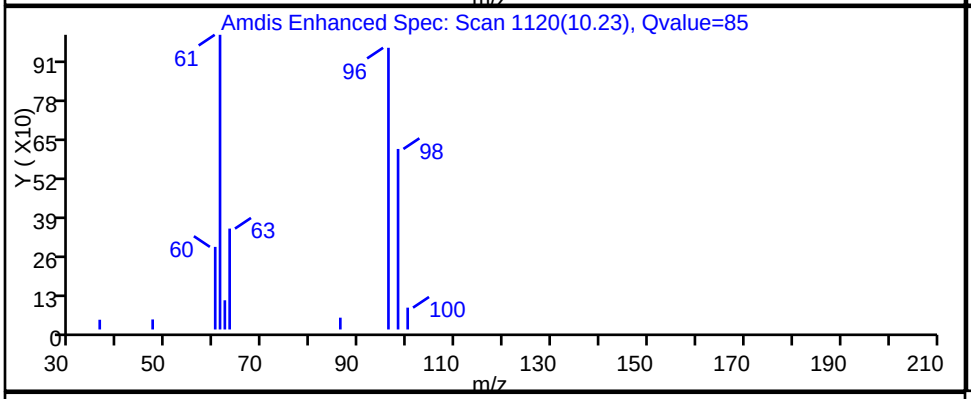
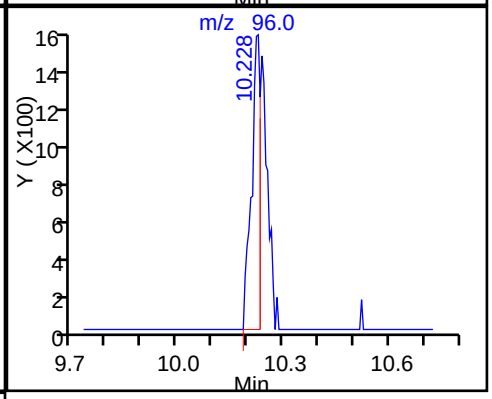
Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

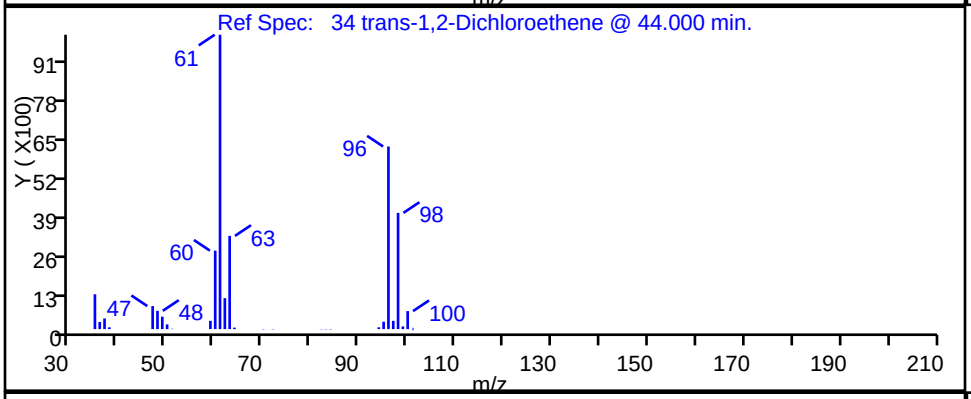
34 trans-1,2-Dichloroethene, CAS: 156-60-5

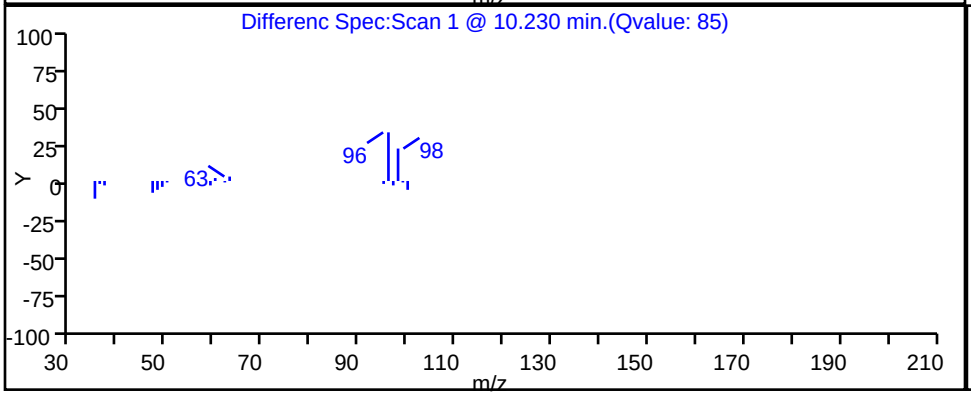


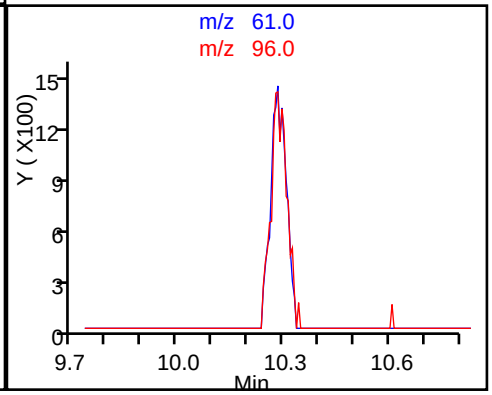












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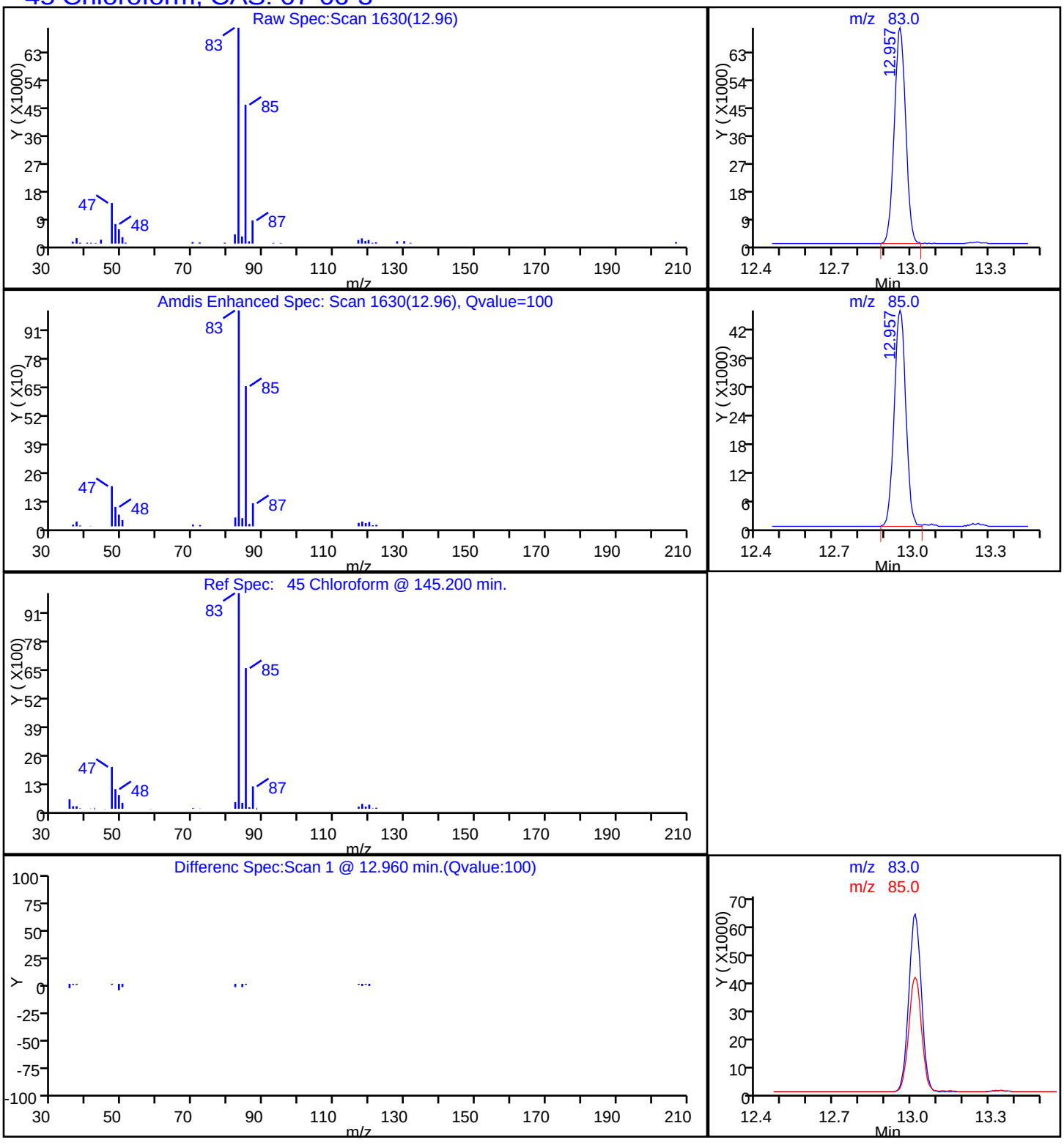
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d

Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



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TestAmerica Burlington

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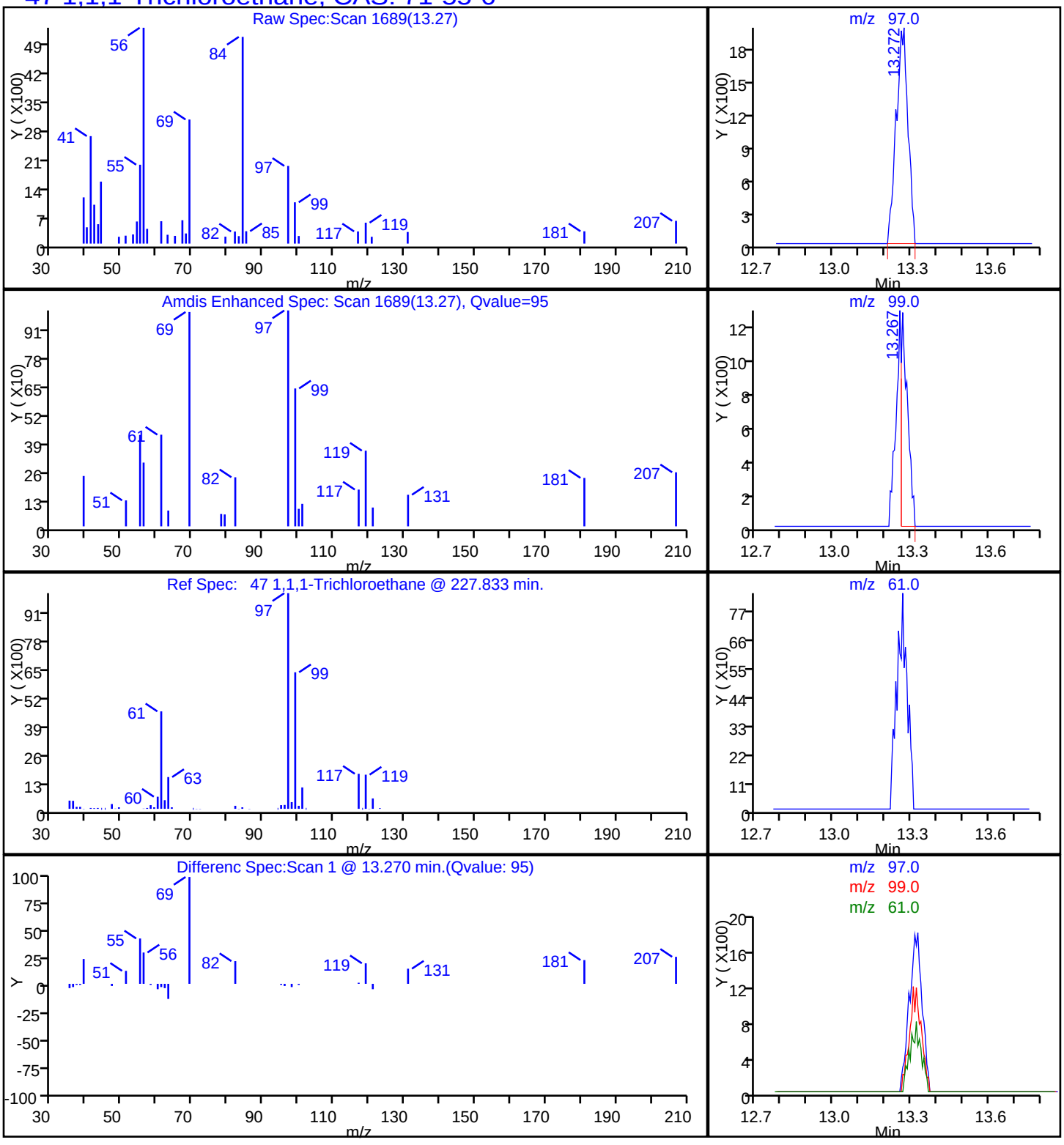
Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



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TestAmerica Burlington

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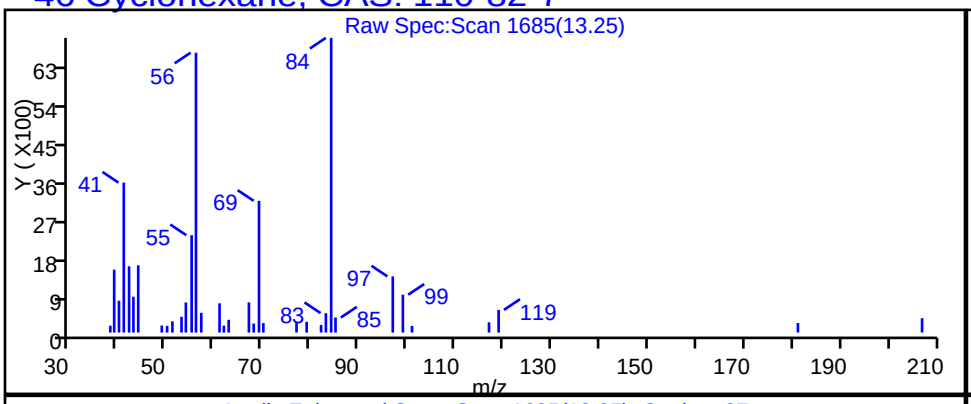
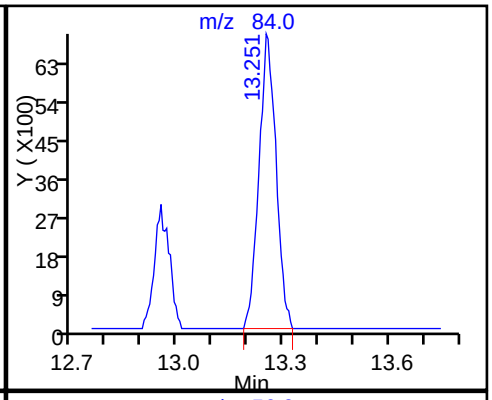
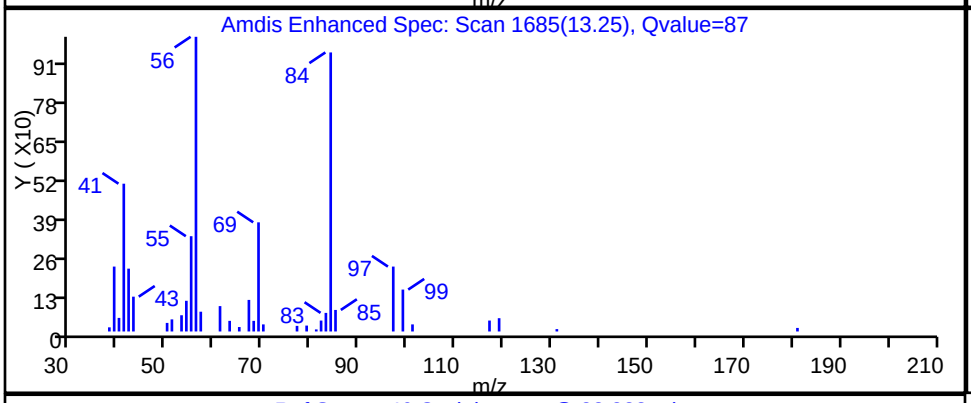
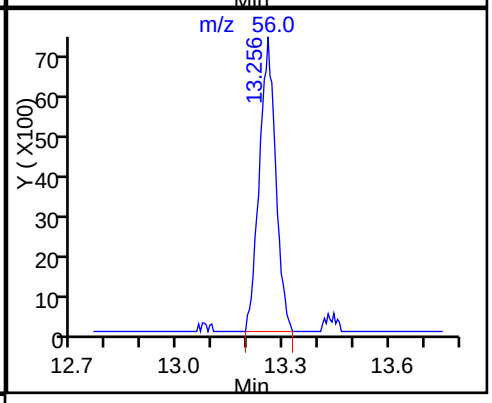
Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

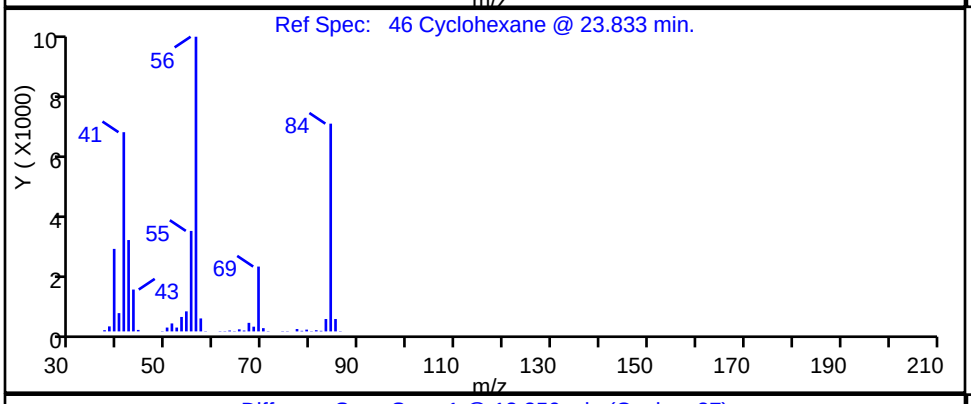
46 Cyclohexane, CAS: 110-82-7

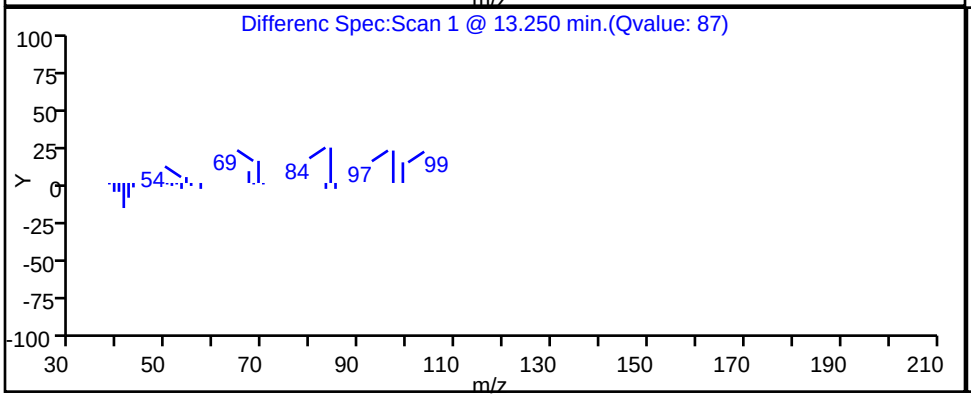


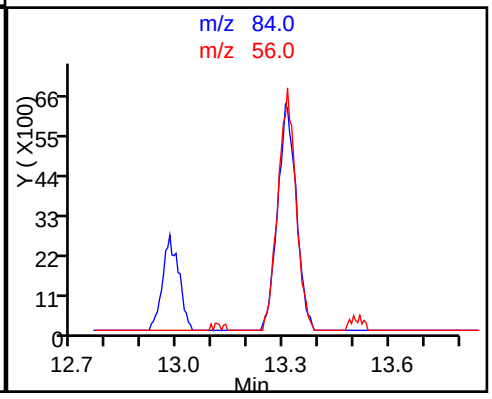












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TestAmerica Burlington

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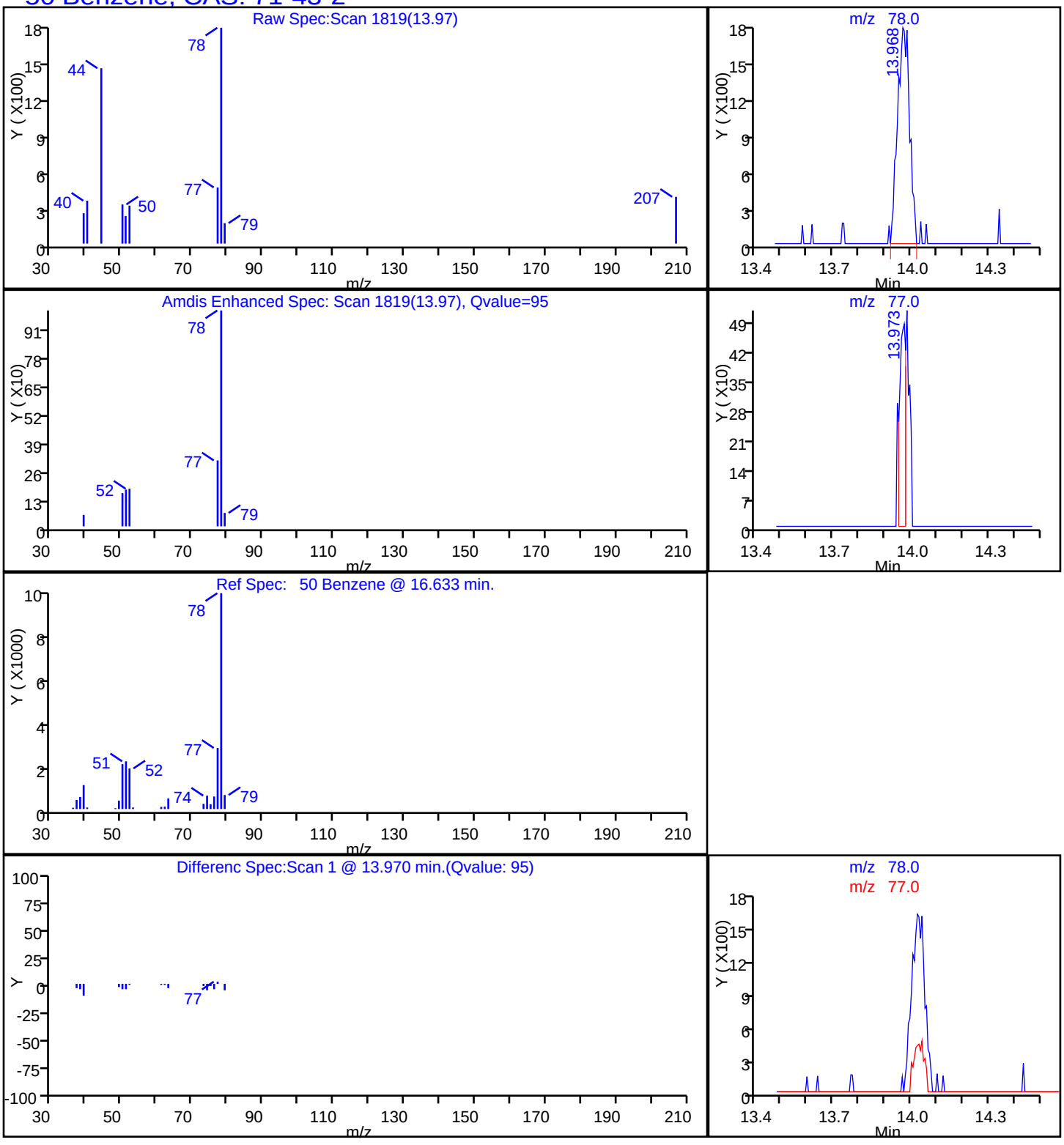
Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



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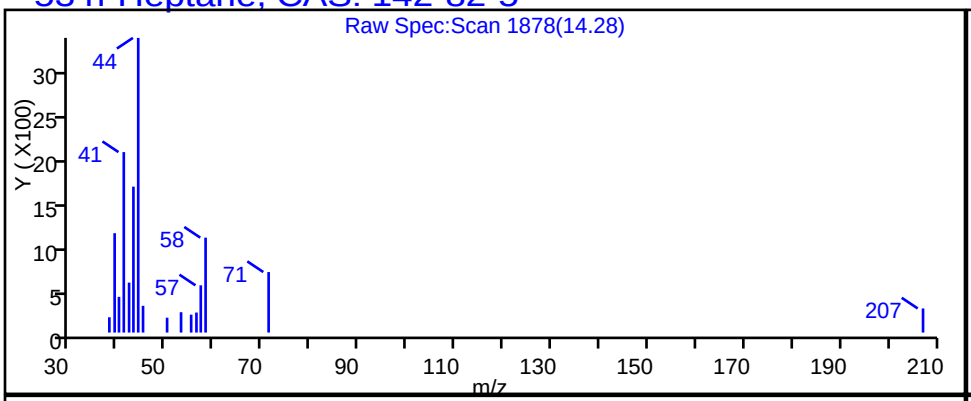
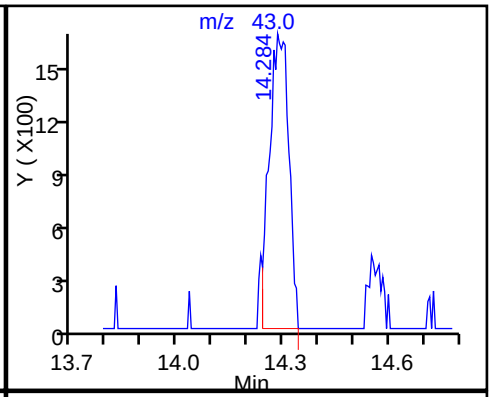
TestAmerica Burlington

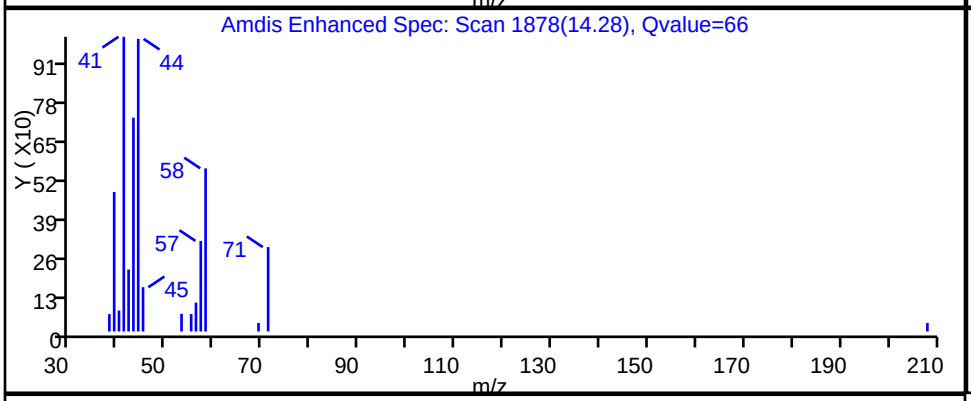
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d

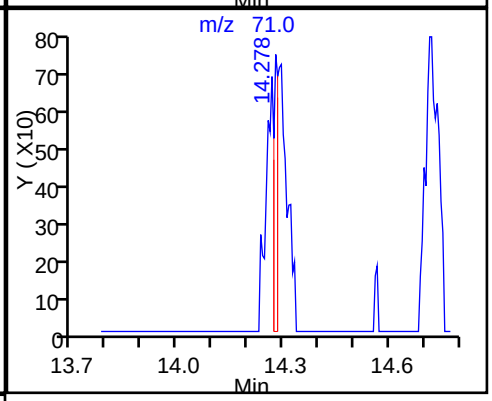
Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

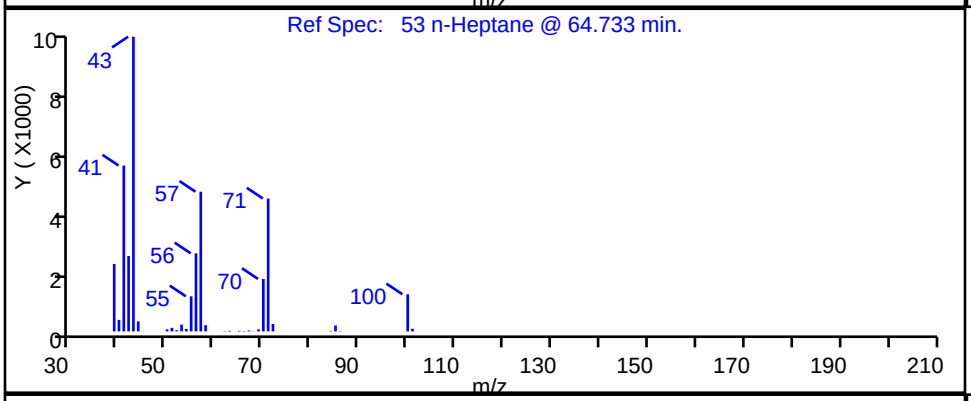
53 n-Heptane, CAS: 142-82-5

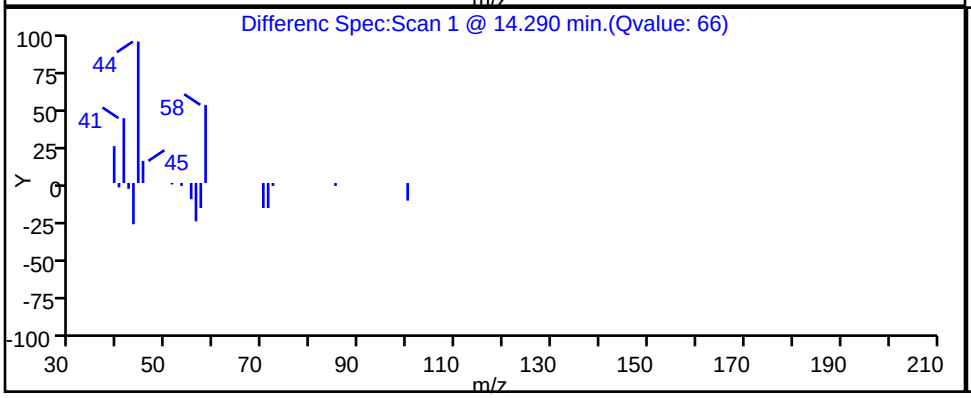


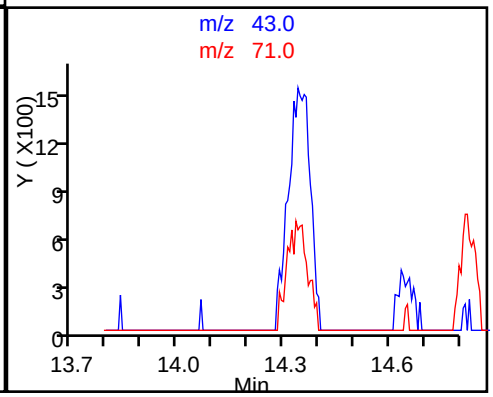












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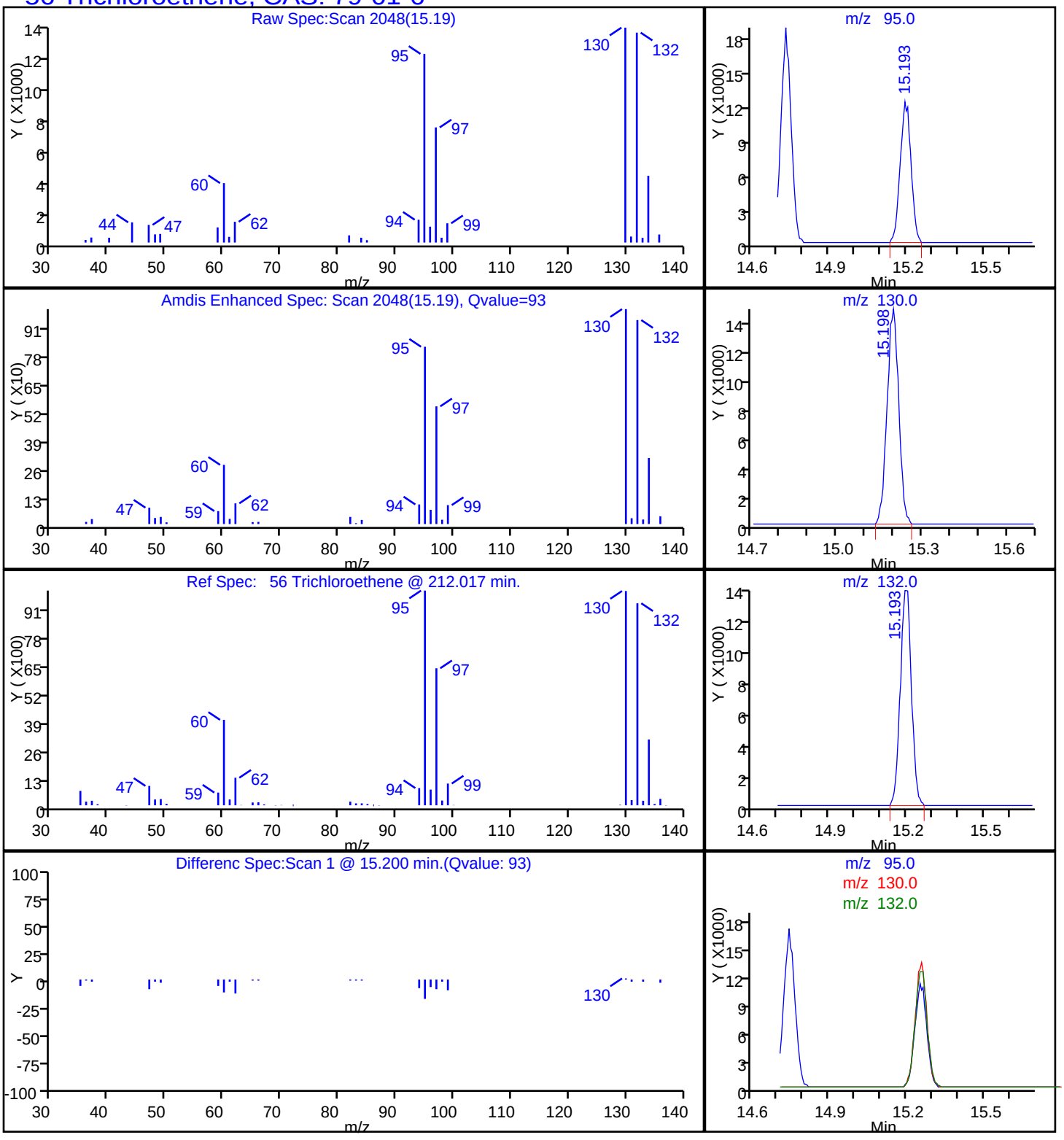
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



Report Date: 18-Jul-2014 10:17:01 Chrom Revision: 2.2 24-Jun-2014 07:21:42

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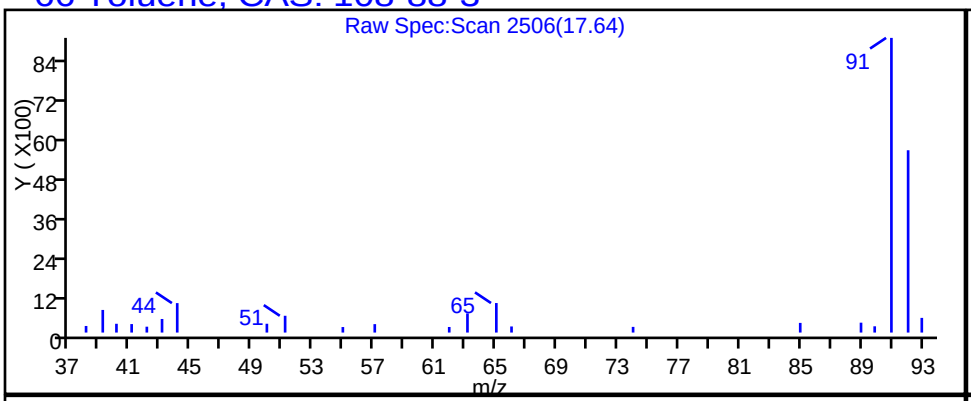
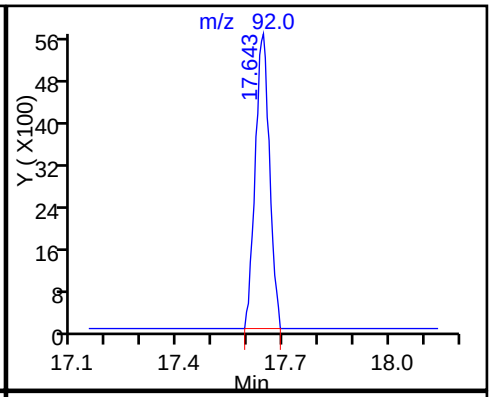
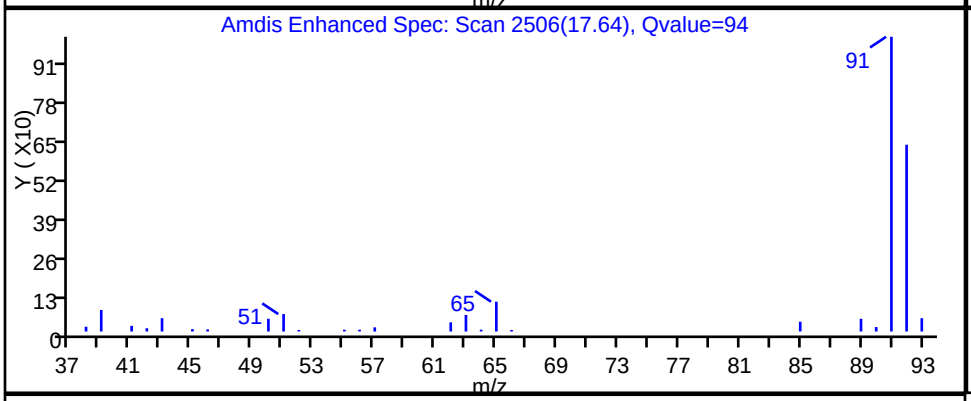
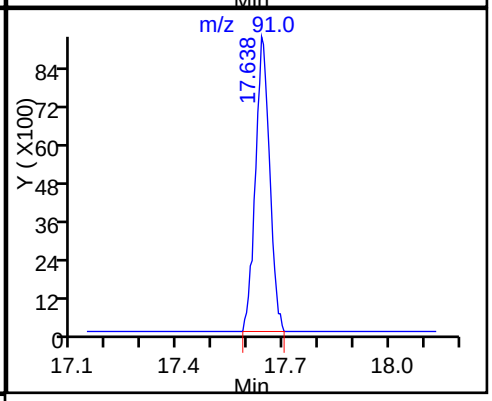
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

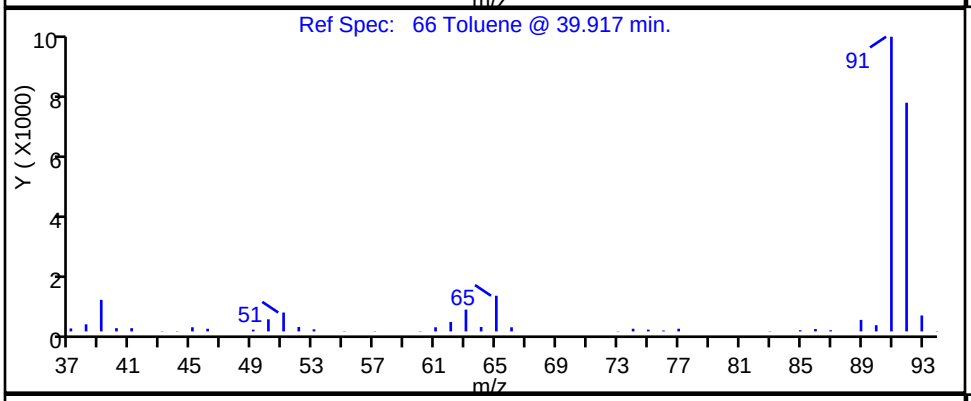
66 Toluene, CAS: 108-88-3

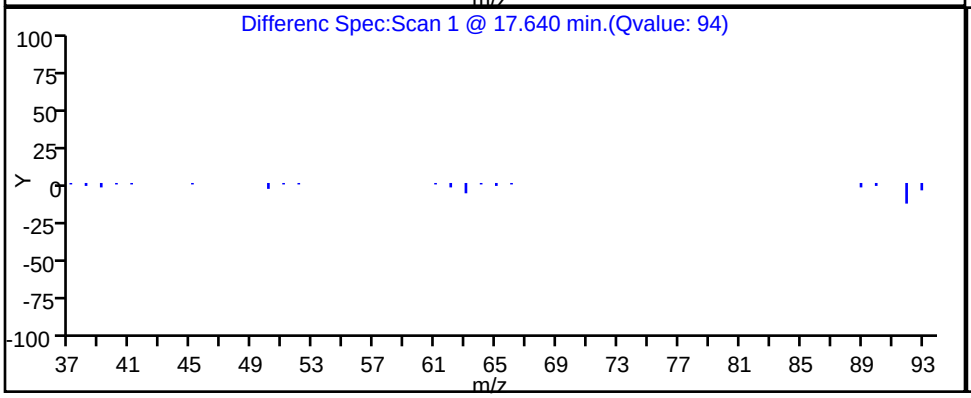


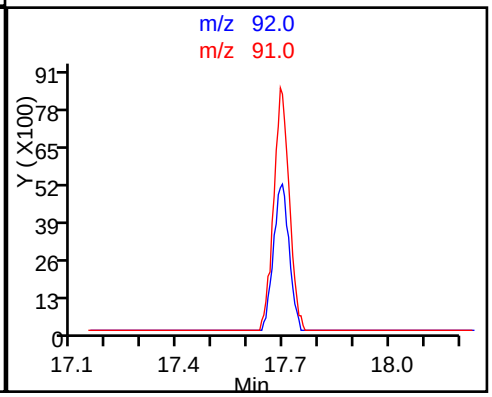












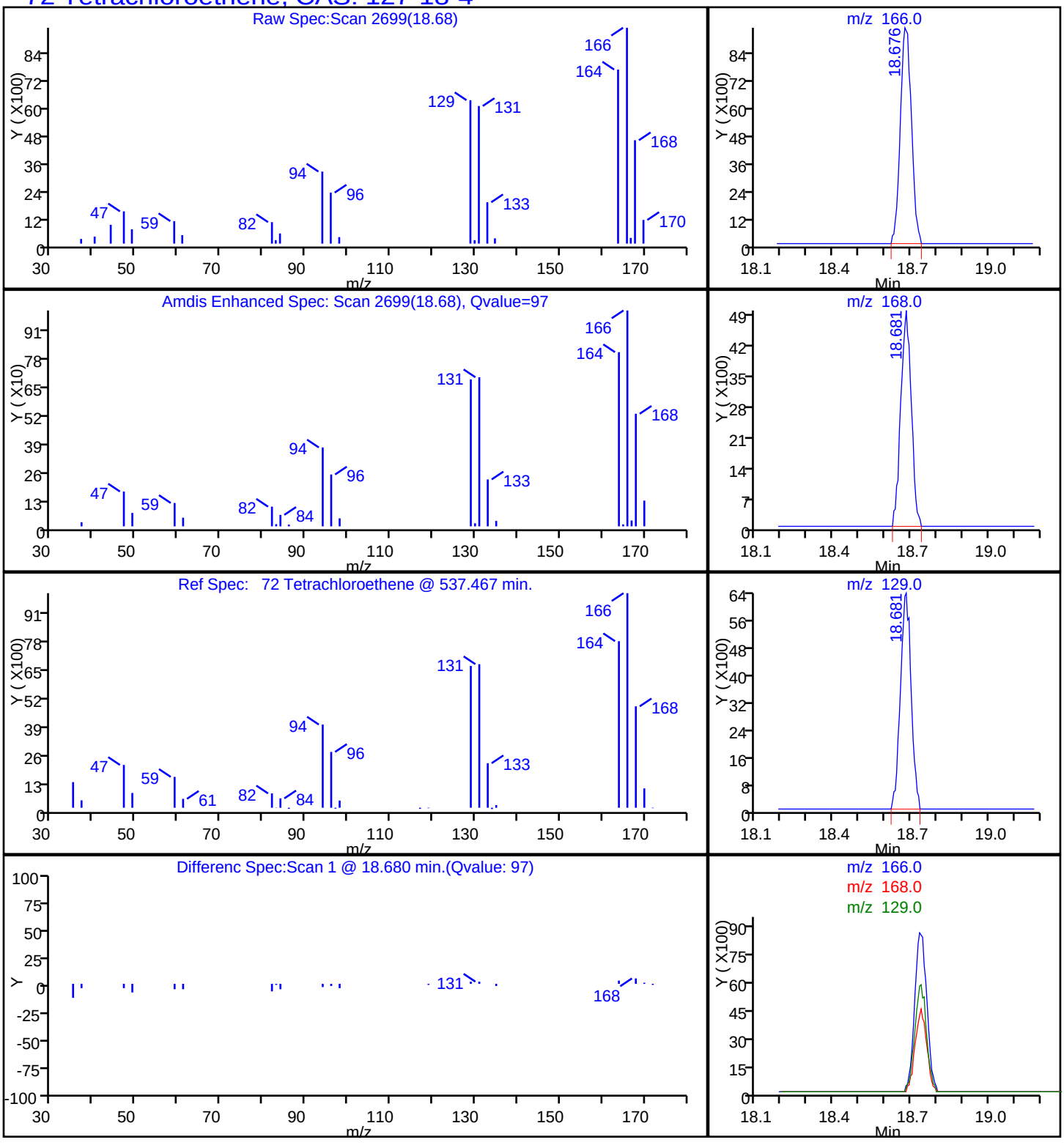
Report Date: 18-Jul-2014 10:17:01 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d

Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



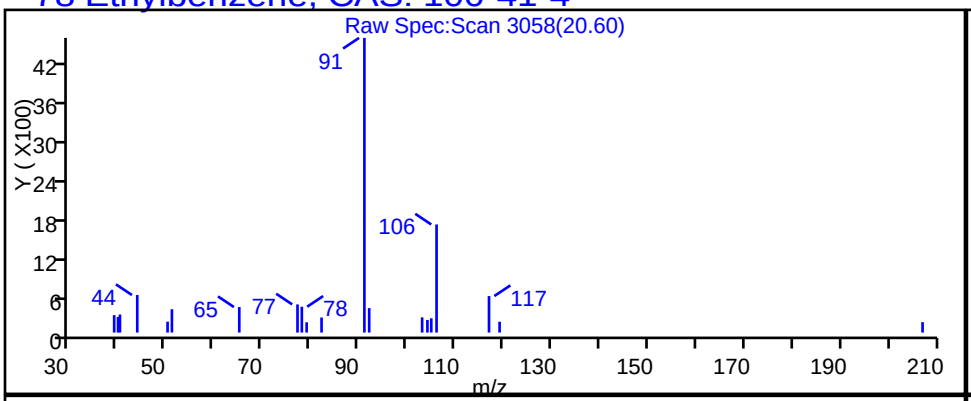
Report Date: 18-Jul-2014 10:17:01 Chrom Revision: 2.2 24-Jun-2014 07:21:42

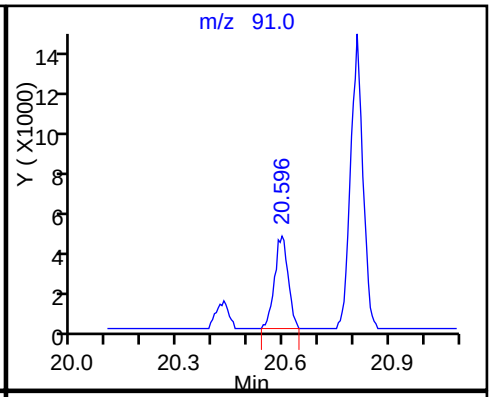
TestAmerica Burlington

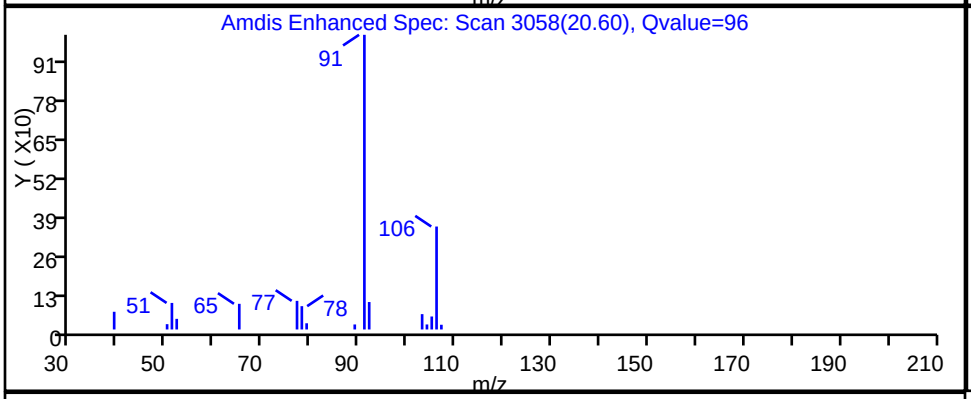
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d

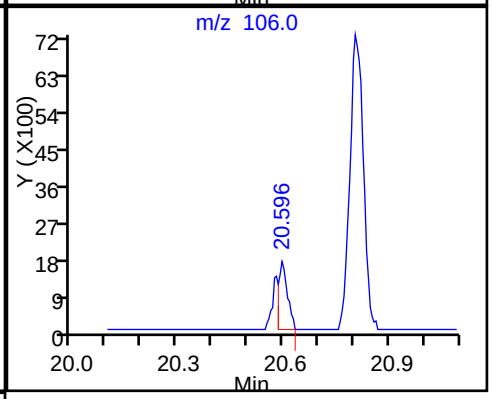
Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

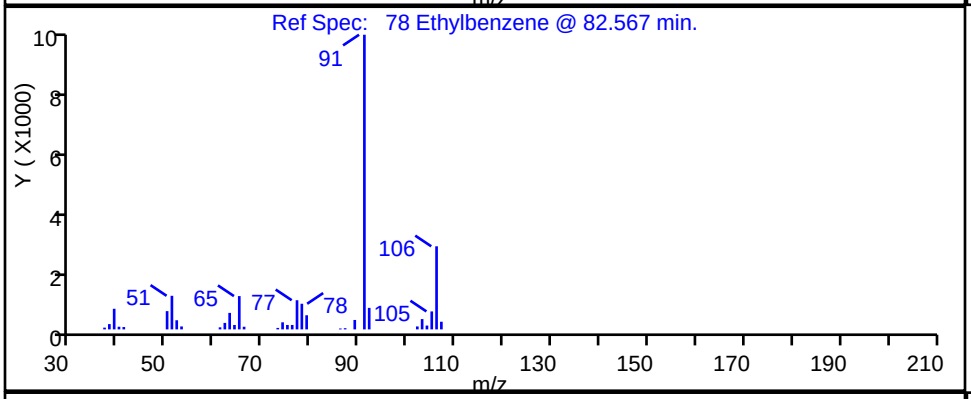
78 Ethylbenzene, CAS: 100-41-4

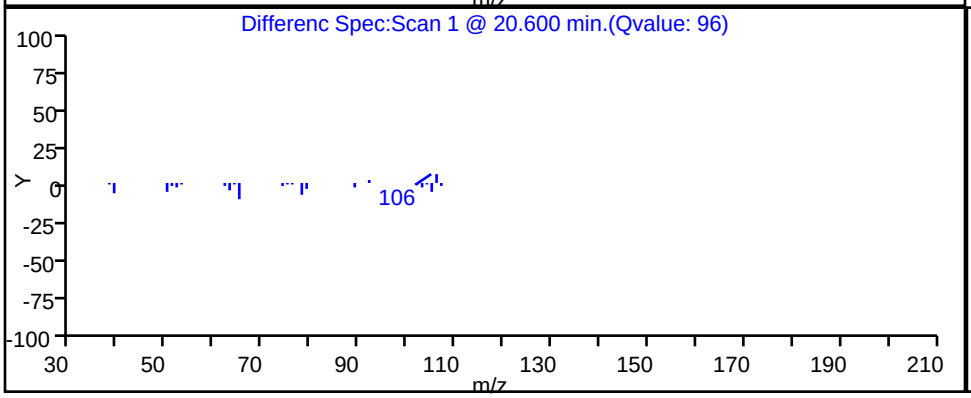


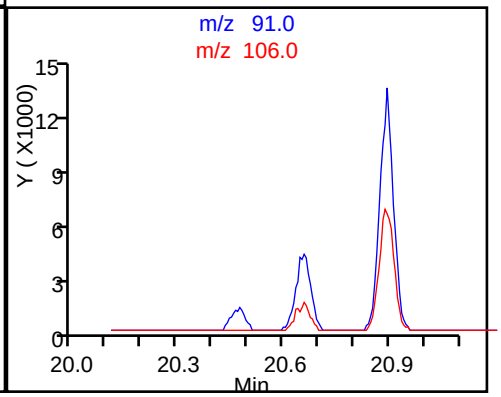












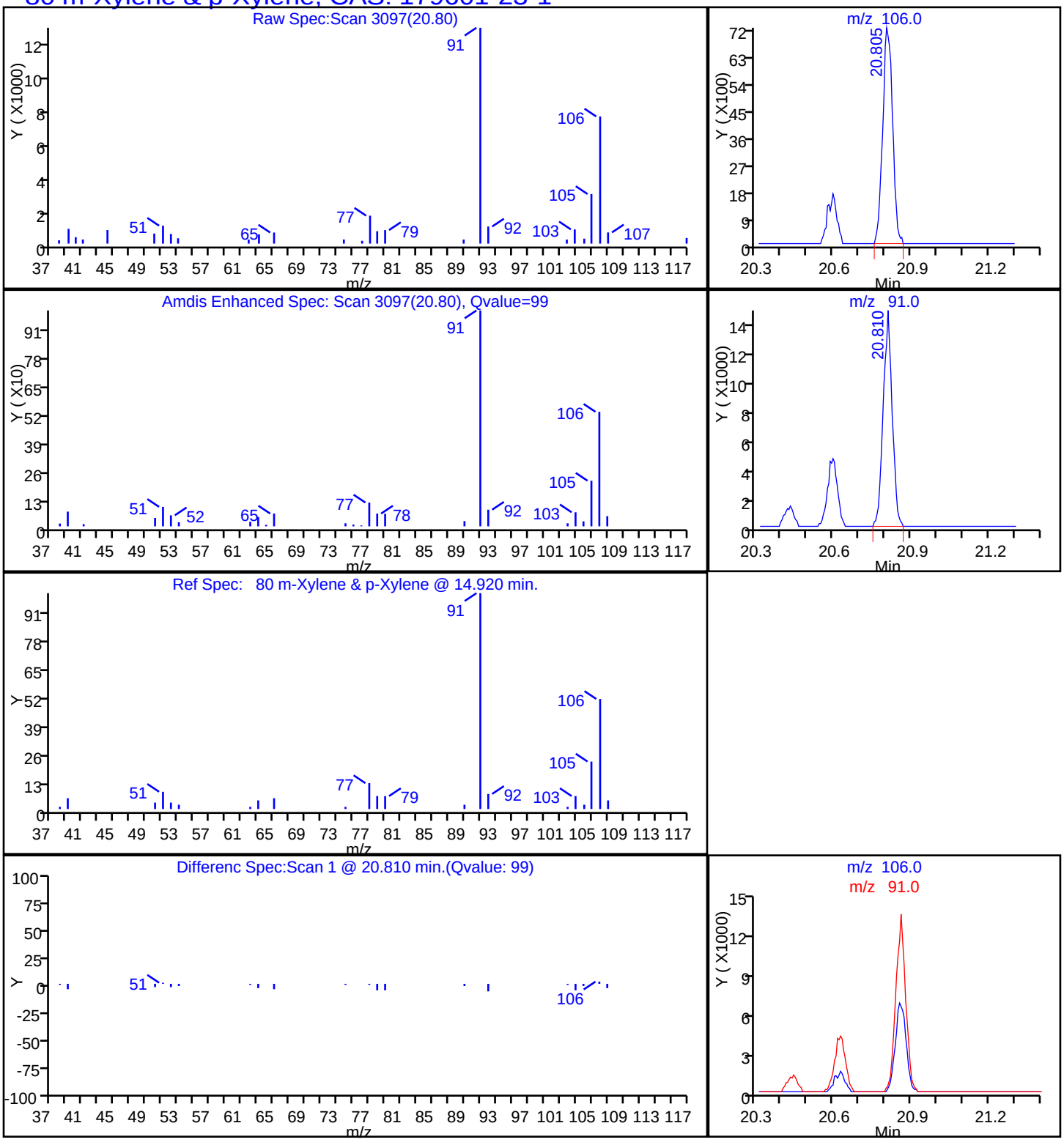
Report Date: 18-Jul-2014 10:17:02 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d

Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



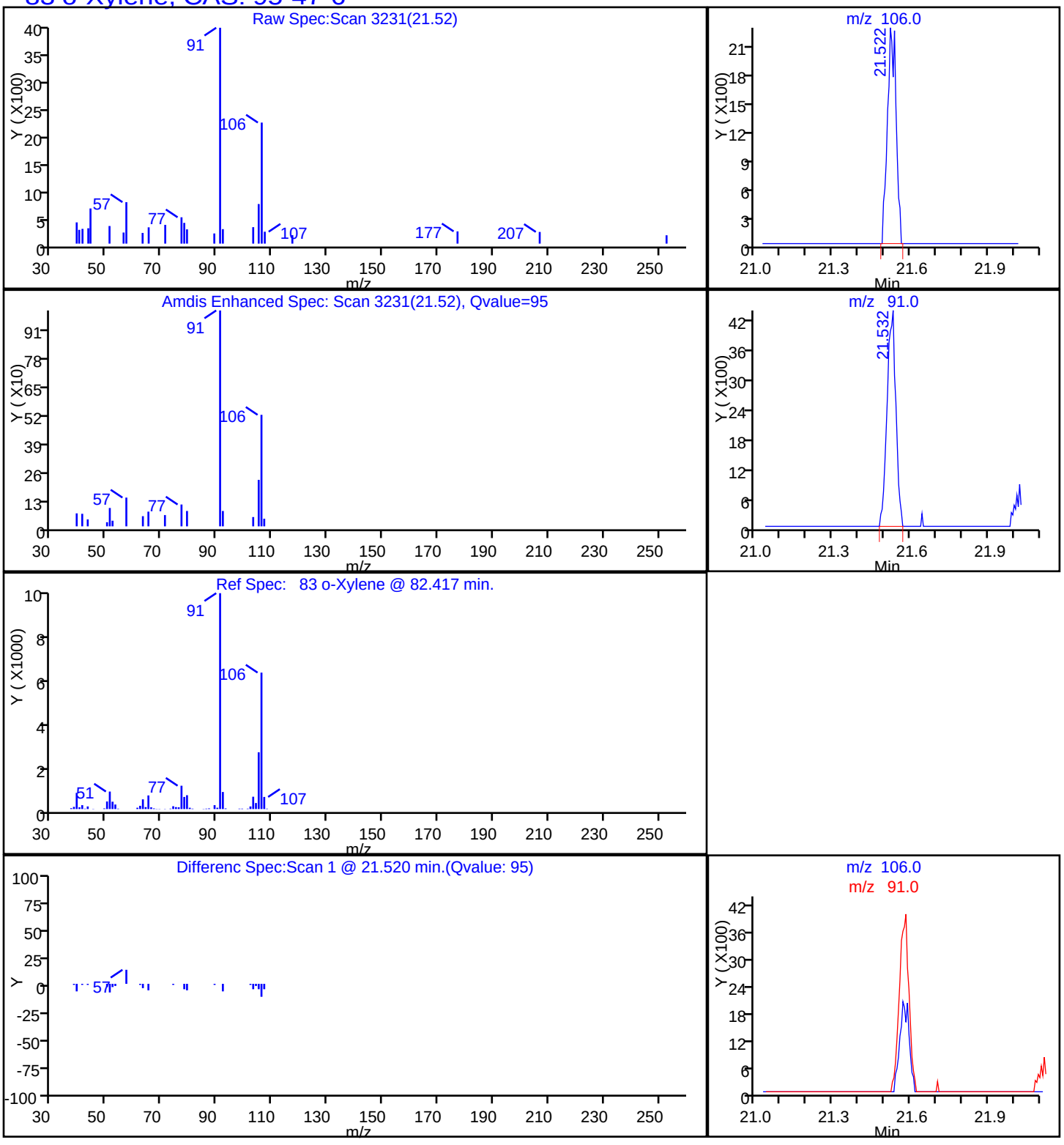
Report Date: 18-Jul-2014 10:17:02 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d

Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



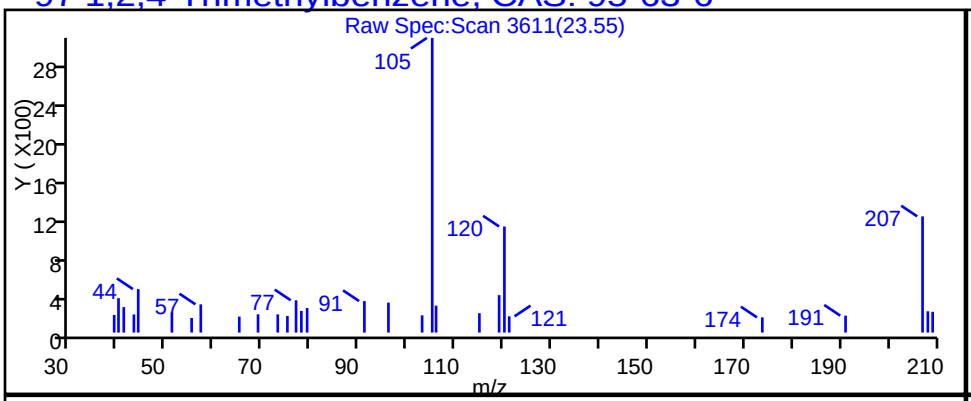
Report Date: 18-Jul-2014 10:17:02 Chrom Revision: 2.2 24-Jun-2014 07:21:42

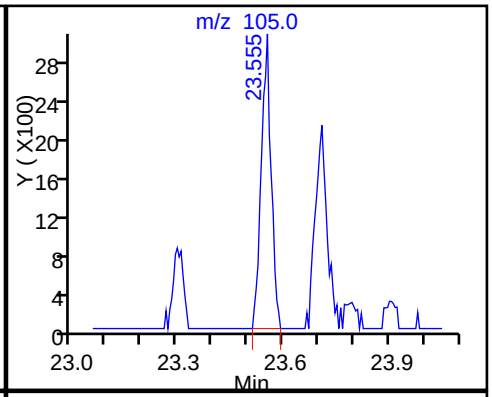
TestAmerica Burlington

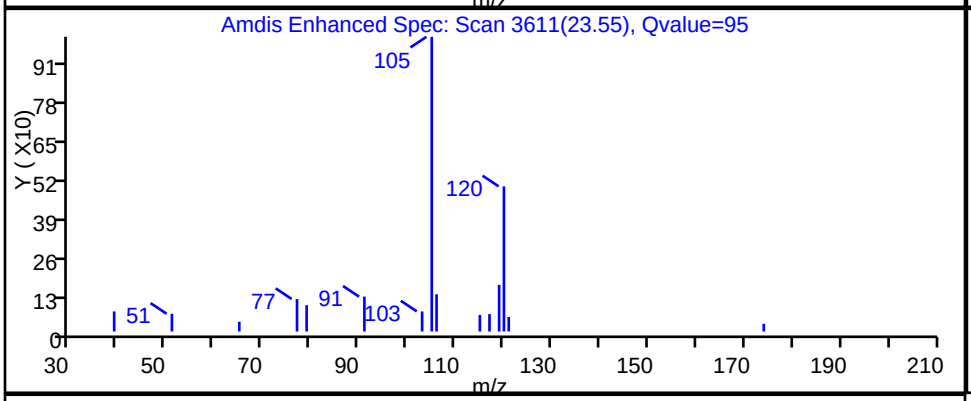
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d

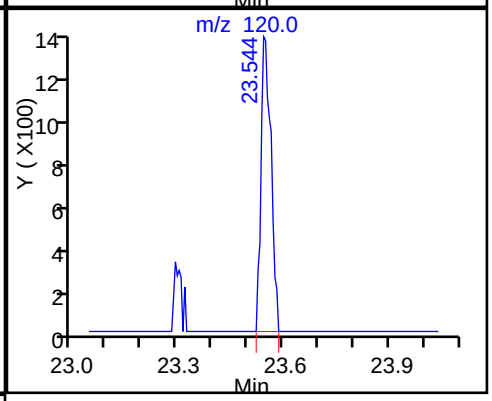
Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

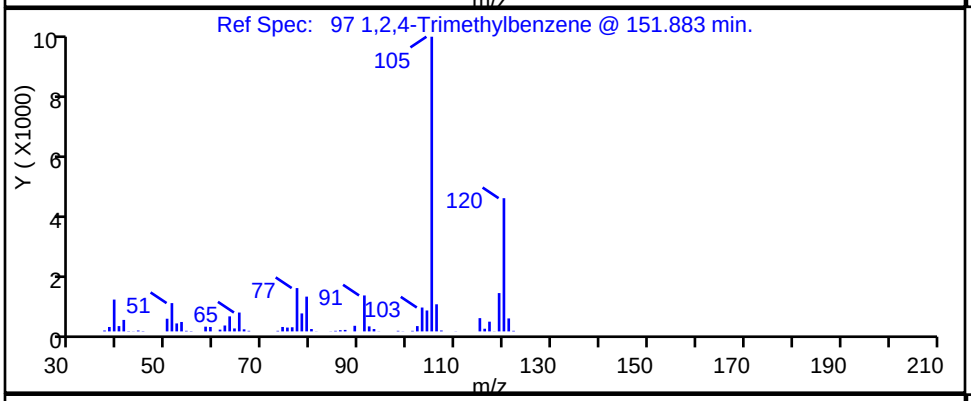
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

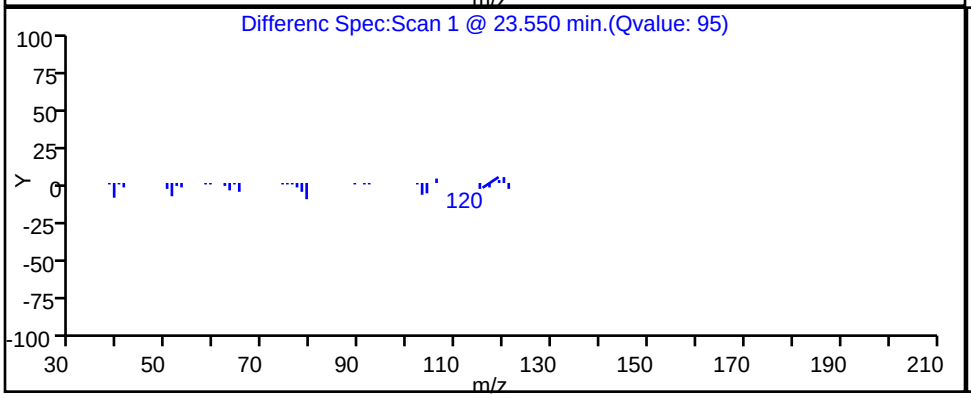


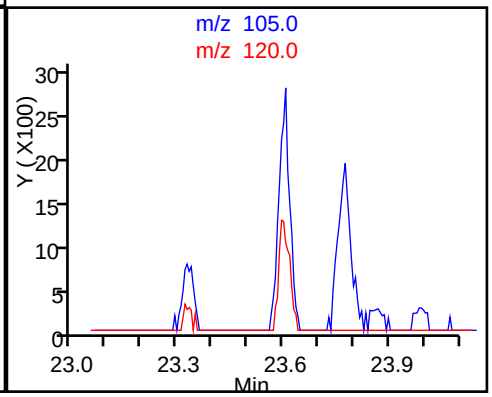












Manual Integration/User Assign Peak Report

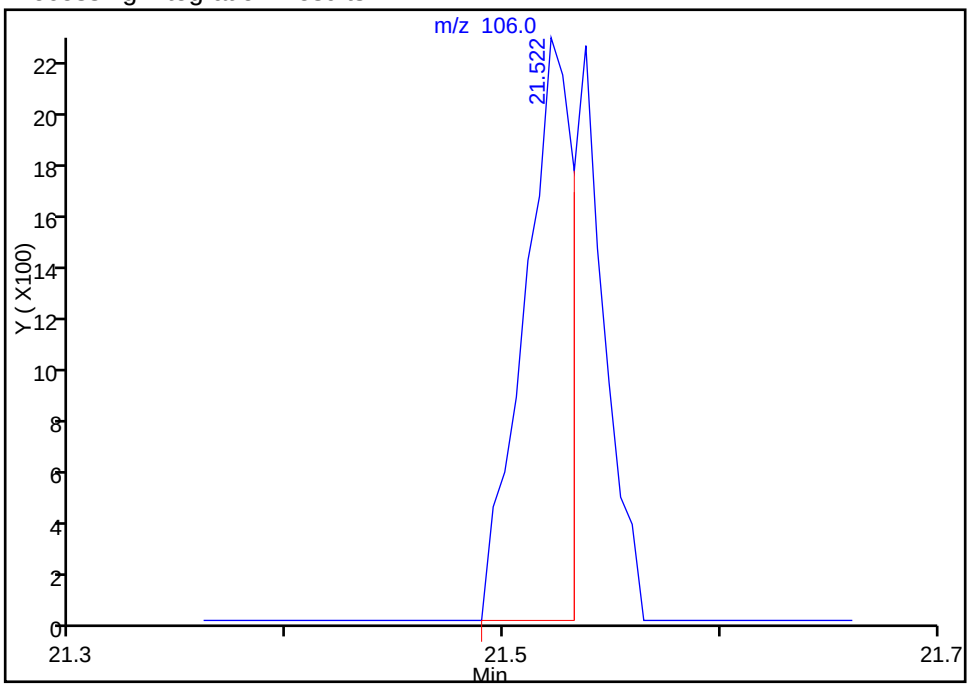
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_014.d				
Injection Date:	17-Jul-2014 21:36:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-10	Lab Sample ID:	200-23187-10		
Client ID:	SDS-5				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6

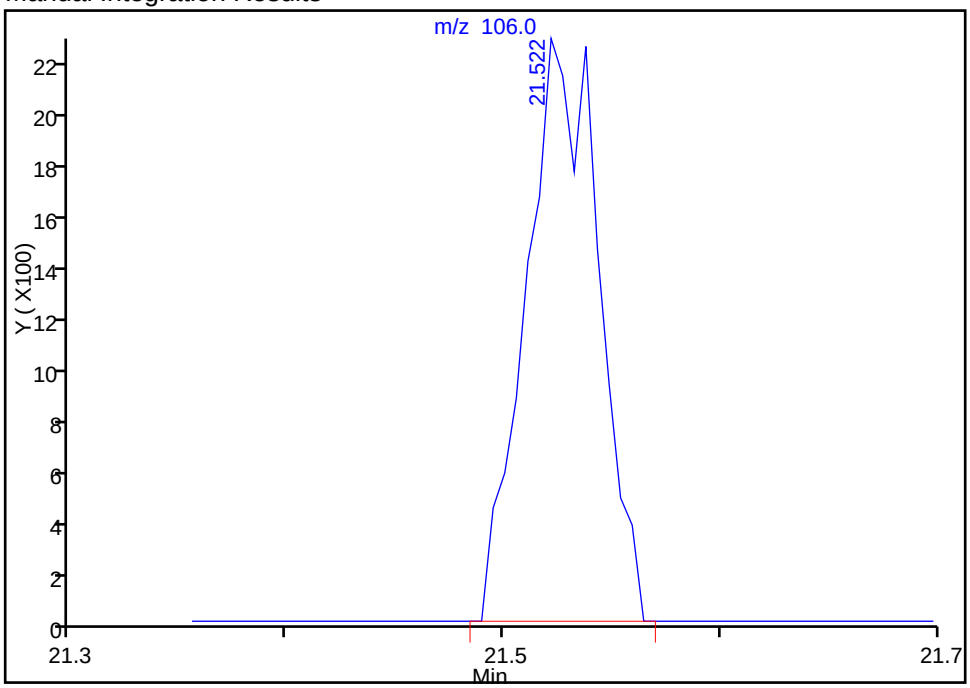
Processing Integration Results

RT: 21.52
Response: 3462
Amount: 0.031082



Manual Integration Results

RT: 21.52
Response: 5169
Amount: 0.046408



Reviewer: lyonsb, 18-Jul-2014 09:40:29
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-6 Lab Sample ID: 200-23187-11

Matrix: Air Lab File ID: 8602_015.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:00

Sample wt/vol: 25(mL) Date Analyzed: 07/17/2014 22:25

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.65	J	4.0	0.24
75-45-6	Freon 22	86.47	0.98	J	4.0	0.38
76-14-2	Freon-114	170.92	1.6	U	1.6	0.28
74-87-3	Chloromethane	50.49	4.0	U	4.0	1.1
106-97-8	n-Butane	58.12	2.9	J	4.0	2.3
75-01-4	Vinyl chloride	62.50	0.32	U	0.32	0.30
106-99-0	1,3-Butadiene	54.09	1.6	U	1.6	0.34
74-83-9	Bromomethane	94.94	1.6	U	1.6	0.22
75-00-3	Chloroethane	64.52	4.0	U	4.0	0.24
593-60-2	Vinyl bromide	106.96	1.6	U	1.6	0.24
75-69-4	Freon 11	137.37	0.34	J	1.6	0.24
76-13-1	Freon 113	187.38	1.6	U	1.6	0.14
75-35-4	1,1-Dichloroethene	96.94	1.6	U	1.6	0.19
67-64-1	Acetone	58.08	10	J	40	10
67-63-0	Isopropyl alcohol	60.10	190		40	1.7
75-15-0	Carbon disulfide	76.14	6.1		4.0	0.53
107-05-1	Allyl chloride	76.53	4.0	U	4.0	0.27
75-09-2	Methylene Chloride	84.93	100		4.0	1.0
75-65-0	tert-Butyl alcohol	74.12	40	U	40	2.6
1634-04-4	Methyl tert-butyl ether	88.15	1.6	U	1.6	0.18
156-60-5	trans-1,2-Dichloroethene	96.94	1.6	U	1.6	0.23
110-54-3	Hexane	86.17	1.6	U	1.6	0.27
75-34-3	1,1-Dichloroethane	98.96	1.6	U	1.6	0.30
78-93-3	Methyl Ethyl Ketone	72.11	4.0	U	4.0	1.9
156-59-2	cis-1,2-Dichloroethene	96.94	1.6	U	1.6	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	0.51
67-66-3	Chloroform	119.38	0.39	J	1.6	0.20
109-99-9	Tetrahydrofuran	72.11	40	U	40	0.37
71-55-6	1,1,1-Trichloroethane	133.41	1.6	U	1.6	0.17
110-82-7	Cyclohexane	84.16	1.8		1.6	0.20
56-23-5	Carbon tetrachloride	153.81	0.32	U	0.32	0.17
540-84-1	2,2,4-Trimethylpentane	114.23	1.6	U	1.6	0.22
71-43-2	Benzene	78.11	0.23	J	1.6	0.15
107-06-2	1,2-Dichloroethane	98.96	1.6	U	1.6	0.14
142-82-5	Heptane	100.21	1.6	U	1.6	0.37

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-6 Lab Sample ID: 200-23187-11

Matrix: Air Lab File ID: 8602_015.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:00

Sample wt/vol: 25(mL) Date Analyzed: 07/17/2014 22:25

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.86		0.32	0.19
80-62-6	Methyl methacrylate	100.12	4.0	U	4.0	0.24
78-87-5	1,2-Dichloropropane	112.99	1.6	U	1.6	0.26
123-91-1	1,4-Dioxane	88.11	40	U	40	1.6
75-27-4	Bromodichloromethane	163.83	1.6	U	1.6	0.14
10061-01-5	cis-1,3-Dichloropropene	110.97	1.6	U	1.6	0.22
108-10-1	methyl isobutyl ketone	100.16	4.0	U	4.0	0.22
108-88-3	Toluene	92.14	2.0		1.6	0.14
10061-02-6	trans-1,3-Dichloropropene	110.97	1.6	U	1.6	0.18
79-00-5	1,1,2-Trichloroethane	133.41	1.6	U	1.6	0.14
127-18-4	Tetrachloroethene	165.83	3.1		1.6	0.13
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.0	U	4.0	1.6
124-48-1	Dibromochloromethane	208.29	1.6	U	1.6	0.16
106-93-4	1,2-Dibromoethane	187.87	1.6	U	1.6	0.16
108-90-7	Chlorobenzene	112.56	1.6	U	1.6	0.065
100-41-4	Ethylbenzene	106.17	0.28	J	1.6	0.10
179601-23-1	m,p-Xylene	106.17	0.68	J	4.0	0.18
95-47-6	Xylene, o-	106.17	0.28	J	1.6	0.13
1330-20-7	Xylene (total)	106.17	0.96	J	1.6	0.27
100-42-5	Styrene	104.15	1.6	U	1.6	0.14
75-25-2	Bromoform	252.75	1.6	U	1.6	0.080
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.6	U	1.6	0.13
103-65-1	n-Propylbenzene	120.19	1.6	U	1.6	0.64
622-96-8	4-Ethyltoluene	120.20	0.18	J	1.6	0.14
108-67-8	1,3,5-Trimethylbenzene	120.20	0.18	J	1.6	0.096
95-49-8	2-Chlorotoluene	126.59	1.6	U	1.6	0.10
98-06-6	tert-Butylbenzene	134.22	1.6	U	1.6	0.14
95-63-6	1,2,4-Trimethylbenzene	120.20	0.37	J	1.6	0.11
135-98-8	sec-Butylbenzene	134.22	1.6	U	1.6	0.64
99-87-6	4-Isopropyltoluene	134.22	1.6	U	1.6	0.64
541-73-1	1,3-Dichlorobenzene	147.00	0.13	J B	1.6	0.11
106-46-7	1,4-Dichlorobenzene	147.00	1.6	U	1.6	0.11
100-44-7	Benzyl chloride	126.58	1.6	U	1.6	0.64
104-51-8	n-Butylbenzene	134.22	1.6	U	1.6	0.64

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-6 Lab Sample ID: 200-23187-11

Matrix: Air Lab File ID: 8602_015.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:00

Sample wt/vol: 25(mL) Date Analyzed: 07/17/2014 22:25

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.6	U	1.6	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	4.0	U	4.0	0.22
87-68-3	Hexachloro-1,3-butadiene	260.76	1.6	U	1.6	0.18
91-20-3	Naphthalene	128.17	4.0	U	4.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-6 Lab Sample ID: 200-23187-11

Matrix: Air Lab File ID: 8602_015.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:00

Sample wt/vol: 25(mL) Date Analyzed: 07/17/2014 22:25

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	3.2	J	20	1.2
75-45-6	Freon 22	86.47	3.5	J	14	1.4
76-14-2	Freon-114	170.92	11	U	11	2.0
74-87-3	Chloromethane	50.49	8.3	U	8.3	2.2
106-97-8	n-Butane	58.12	7.0	J	9.5	5.4
75-01-4	Vinyl chloride	62.50	0.82	U	0.82	0.78
106-99-0	1,3-Butadiene	54.09	3.5	U	3.5	0.74
74-83-9	Bromomethane	94.94	6.2	U	6.2	0.87
75-00-3	Chloroethane	64.52	11	U	11	0.63
593-60-2	Vinyl bromide	106.96	7.0	U	7.0	1.0
75-69-4	Freon 11	137.37	1.9	J	9.0	1.3
76-13-1	Freon 113	187.38	12	U	12	1.1
75-35-4	1,1-Dichloroethene	96.94	6.3	U	6.3	0.76
67-64-1	Acetone	58.08	24	J	95	24
67-63-0	Isopropyl alcohol	60.10	460		98	4.2
75-15-0	Carbon disulfide	76.14	19		12	1.6
107-05-1	Allyl chloride	76.53	13	U	13	0.85
75-09-2	Methylene Chloride	84.93	350		14	3.5
75-65-0	tert-Butyl alcohol	74.12	120	U	120	8.0
1634-04-4	Methyl tert-butyl ether	88.15	5.8	U	5.8	0.63
156-60-5	trans-1,2-Dichloroethene	96.94	6.3	U	6.3	0.92
110-54-3	Hexane	86.17	5.6	U	5.6	0.96
75-34-3	1,1-Dichloroethane	98.96	6.5	U	6.5	1.2
78-93-3	Methyl Ethyl Ketone	72.11	12	U	12	5.7
156-59-2	cis-1,2-Dichloroethene	96.94	6.3	U	6.3	1.2
540-59-0	1,2-Dichloroethene, Total	96.94	6.3	U	6.3	2.0
67-66-3	Chloroform	119.38	1.9	J	7.8	0.98
109-99-9	Tetrahydrofuran	72.11	120	U	120	1.1
71-55-6	1,1,1-Trichloroethane	133.41	8.7	U	8.7	0.92
110-82-7	Cyclohexane	84.16	6.2		5.5	0.69
56-23-5	Carbon tetrachloride	153.81	2.0	U	2.0	1.1
540-84-1	2,2,4-Trimethylpentane	114.23	7.5	U	7.5	1.0
71-43-2	Benzene	78.11	0.74	J	5.1	0.49
107-06-2	1,2-Dichloroethane	98.96	6.5	U	6.5	0.55
142-82-5	Heptane	100.21	6.6	U	6.6	1.5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-6 Lab Sample ID: 200-23187-11

Matrix: Air Lab File ID: 8602_015.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:00

Sample wt/vol: 25(mL) Date Analyzed: 07/17/2014 22:25

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	4.6		1.7	1.0
80-62-6	Methyl methacrylate	100.12	16	U	16	0.98
78-87-5	1,2-Dichloropropane	112.99	7.4	U	7.4	1.2
123-91-1	1,4-Dioxane	88.11	140	U	140	5.8
75-27-4	Bromodichloromethane	163.83	11	U	11	0.91
10061-01-5	cis-1,3-Dichloropropene	110.97	7.3	U	7.3	1.0
108-10-1	methyl isobutyl ketone	100.16	16	U	16	0.88
108-88-3	Toluene	92.14	7.4		6.0	0.51
10061-02-6	trans-1,3-Dichloropropene	110.97	7.3	U	7.3	0.80
79-00-5	1,1,2-Trichloroethane	133.41	8.7	U	8.7	0.74
127-18-4	Tetrachloroethene	165.83	21		11	0.87
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	16	U	16	6.6
124-48-1	Dibromochloromethane	208.29	14	U	14	1.4
106-93-4	1,2-Dibromoethane	187.87	12	U	12	1.2
108-90-7	Chlorobenzene	112.56	7.4	U	7.4	0.30
100-41-4	Ethylbenzene	106.17	1.2	J	6.9	0.45
179601-23-1	m,p-Xylene	106.17	3.0	J	17	0.80
95-47-6	Xylene, o-	106.17	1.2	J	6.9	0.56
1330-20-7	Xylene (total)	106.17	4.2	J	6.9	1.2
100-42-5	Styrene	104.15	6.8	U	6.8	0.61
75-25-2	Bromoform	252.75	17	U	17	0.83
79-34-5	1,1,2,2-Tetrachloroethane	167.85	11	U	11	0.88
103-65-1	n-Propylbenzene	120.19	7.9	U	7.9	3.1
622-96-8	4-Ethyltoluene	120.20	0.90	J	7.9	0.71
108-67-8	1,3,5-Trimethylbenzene	120.20	0.88	J	7.9	0.47
95-49-8	2-Chlorotoluene	126.59	8.3	U	8.3	0.54
98-06-6	tert-Butylbenzene	134.22	8.8	U	8.8	0.75
95-63-6	1,2,4-Trimethylbenzene	120.20	1.8	J	7.9	0.55
135-98-8	sec-Butylbenzene	134.22	8.8	U	8.8	3.5
99-87-6	4-Isopropyltoluene	134.22	8.8	U	8.8	3.5
541-73-1	1,3-Dichlorobenzene	147.00	0.80	J B	9.6	0.67
106-46-7	1,4-Dichlorobenzene	147.00	9.6	U	9.6	0.67
100-44-7	Benzyl chloride	126.58	8.3	U	8.3	3.3
104-51-8	n-Butylbenzene	134.22	8.8	U	8.8	3.5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-6 Lab Sample ID: 200-23187-11

Matrix: Air Lab File ID: 8602_015.d

Analysis Method: TO-15 Date Collected: 07/10/2014 15:00

Sample wt/vol: 25(mL) Date Analyzed: 07/17/2014 22:25

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.6	U	9.6	0.67
120-82-1	1,2,4-Trichlorobenzene	181.45	30	U	30	1.6
87-68-3	Hexachloro-1,3-butadiene	260.76	17	U	17	1.9
91-20-3	Naphthalene	128.17	21	U	21	8.4

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d
Lims ID: 200-23187-A-11 Lab Sample ID: 200-23187-11
Client ID: SDS-6
Sample Type: Client
Inject. Date: 17-Jul-2014 22:25:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 8.0000
Sample Info: 200-0008602-015
Misc. Info.: 200-23187-A-11
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Jul-2014 10:06:54 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 18-Jul-2014 09:41:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.483	4.488	-0.005	98	9458	0.0816	
6 Chlorodifluoromethane	51	4.542	4.552	-0.010	93	7132	0.1231	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.836				ND	
8 Chloromethane	50		5.034				ND	
9 Butane	43	5.291	5.291	0.001	97	20845	0.3669	
10 Vinyl chloride	62		5.349				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.318				ND	
14 Chloroethane	64		6.601				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101	7.195	7.190	0.005	96	5496	0.0430	
23 1,1,2-Trichloro-1,2,2-trif	101		8.436				ND	
24 1,1-Dichloroethene	96		8.511				ND	
25 Acetone	43	8.757	8.741	0.016	97	75974	1.26	
26 Carbon disulfide	76	8.998	9.003	-0.005	99	90783	0.7582	
27 Isopropyl alcohol	45	9.025	9.025	0.000	98	1182860	23.2	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49	9.736	9.731	0.005	85	523063	12.6	
32 2-Methyl-2-propanol	59		9.897				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.228				ND	
36 Hexane	57		10.640				ND	
37 1,1-Dichloroethane	63		11.191				ND	
39 cis-1,2-Dichloroethene	96		12.363				ND	
40 2-Butanone (MEK)	72		12.379				ND	
44 Tetrahydrofuran	42		12.839				ND	
* 43 Chlorobromomethane	128	12.850	12.850	0.000	76	396237	10.0	
45 Chloroform	83	12.951	12.957	-0.006	74	4558	0.0483	
46 Cyclohexane	84	13.262	13.256	0.006	90	16025	0.2246	M
47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.524				ND	
51 Isooctane	57		13.909				ND	
50 Benzene	78	13.979	13.973	0.006	90	4388	0.0290	M
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.262				ND	
* 54 1,4-Difluorobenzene	114	14.728	14.727	0.001	92	1925207	10.0	
56 Trichloroethene	95	15.188	15.198	-0.010	94	7594	0.1073	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.888				ND	
62 Dichlorobromomethane	83		16.209				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.301				ND	
66 Toluene	92	17.638	17.638	0.000	92	30120	0.2455	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166	18.681	18.681	0.000	97	49015	0.3858	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.1203	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	82	1726217	10.0	
77 Chlorobenzene	112		20.478				ND	
78 Ethylbenzene	91	20.591	20.596	-0.005	97	8599	0.0353	
80 m-Xylene & p-Xylene	106	20.805	20.810	-0.005	99	8888	0.0853	
83 o-Xylene	106	21.522	21.527	-0.005	95	3731	0.0350	
84 Styrene	104		21.564				ND	
85 Bromoform	173		21.949				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.436	-0.010	98	1083423	NC	
88 1,1,2,2-Tetrachloroethane	83		22.666				ND	
90 N-Propylbenzene	91		22.741				ND	
91 4-Ethyltoluene	105	22.886	22.907	-0.021	98	6602	0.0228	
92 2-Chlorotoluene	91		22.945				ND	
94 1,3,5-Trimethylbenzene	105	22.987	22.998	-0.011	93	5548	0.0224	
96 tert-Butylbenzene	119		23.474				ND	
97 1,2,4-Trimethylbenzene	105	23.555	23.565	-0.010	96	11520	0.0464	
98 sec-Butylbenzene	105		23.806				ND	
99 4-Isopropyltoluene	119		24.009				ND	
100 1,3-Dichlorobenzene	146	24.063	24.079	-0.016	92	3204	0.0166	
101 1,4-Dichlorobenzene	146		24.223				ND	
102 Benzyl chloride	91		24.432				ND	
103 n-Butylbenzene	91		24.640				ND	
105 1,2-Dichlorobenzene	146		24.828				ND	
107 1,2,4-Trichlorobenzene	180		27.706				ND	
108 Hexachlorobutadiene	225		27.904				ND	
109 Naphthalene	128		28.289				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

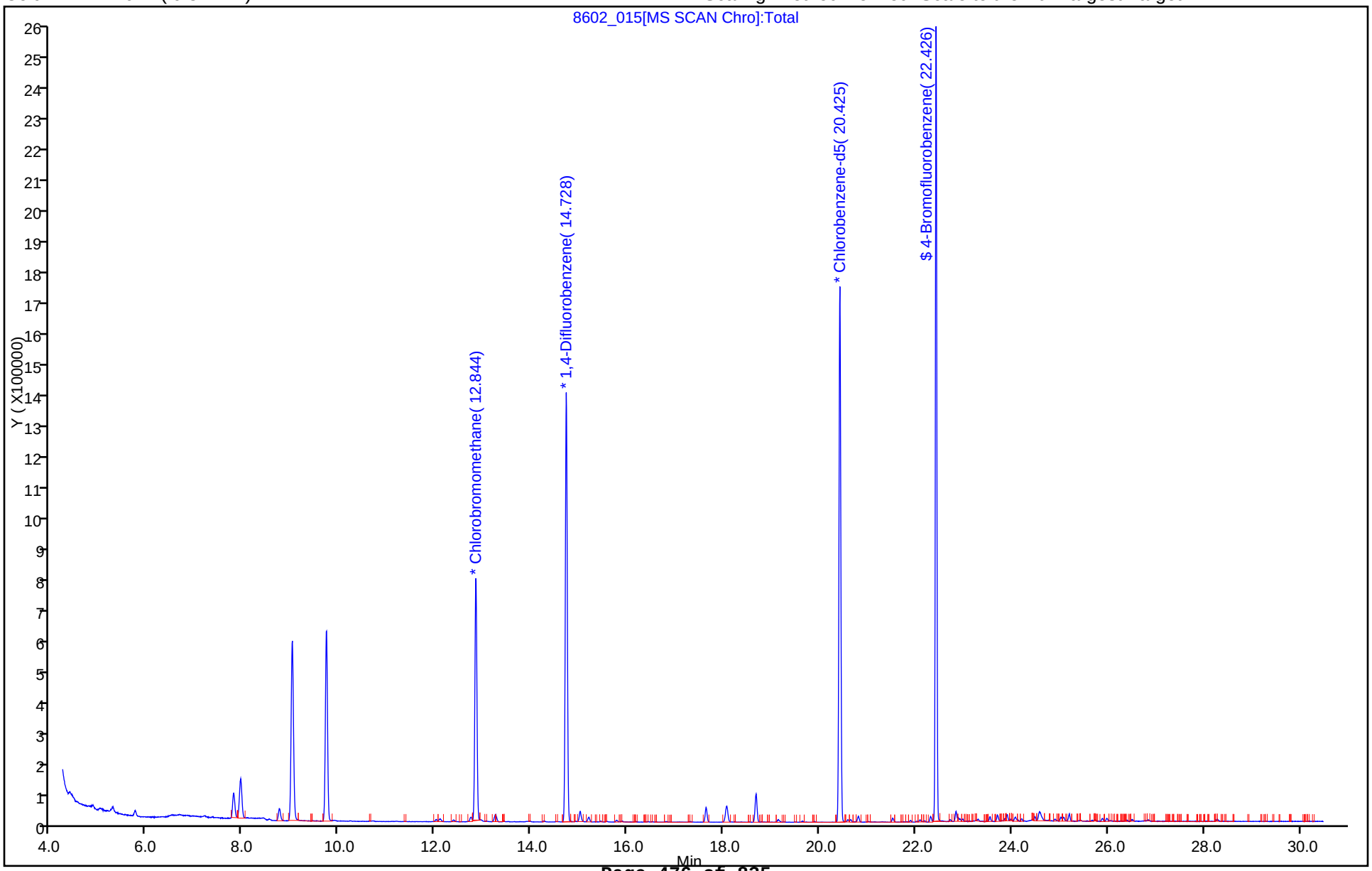
Report Date: 18-Jul-2014 10:17:05 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11	Worklist Smp#:	15
Client ID:	SDS-6				
Purge Vol:	200.000 mL	Dil. Factor:	8.0000	ALS Bottle#:	14
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



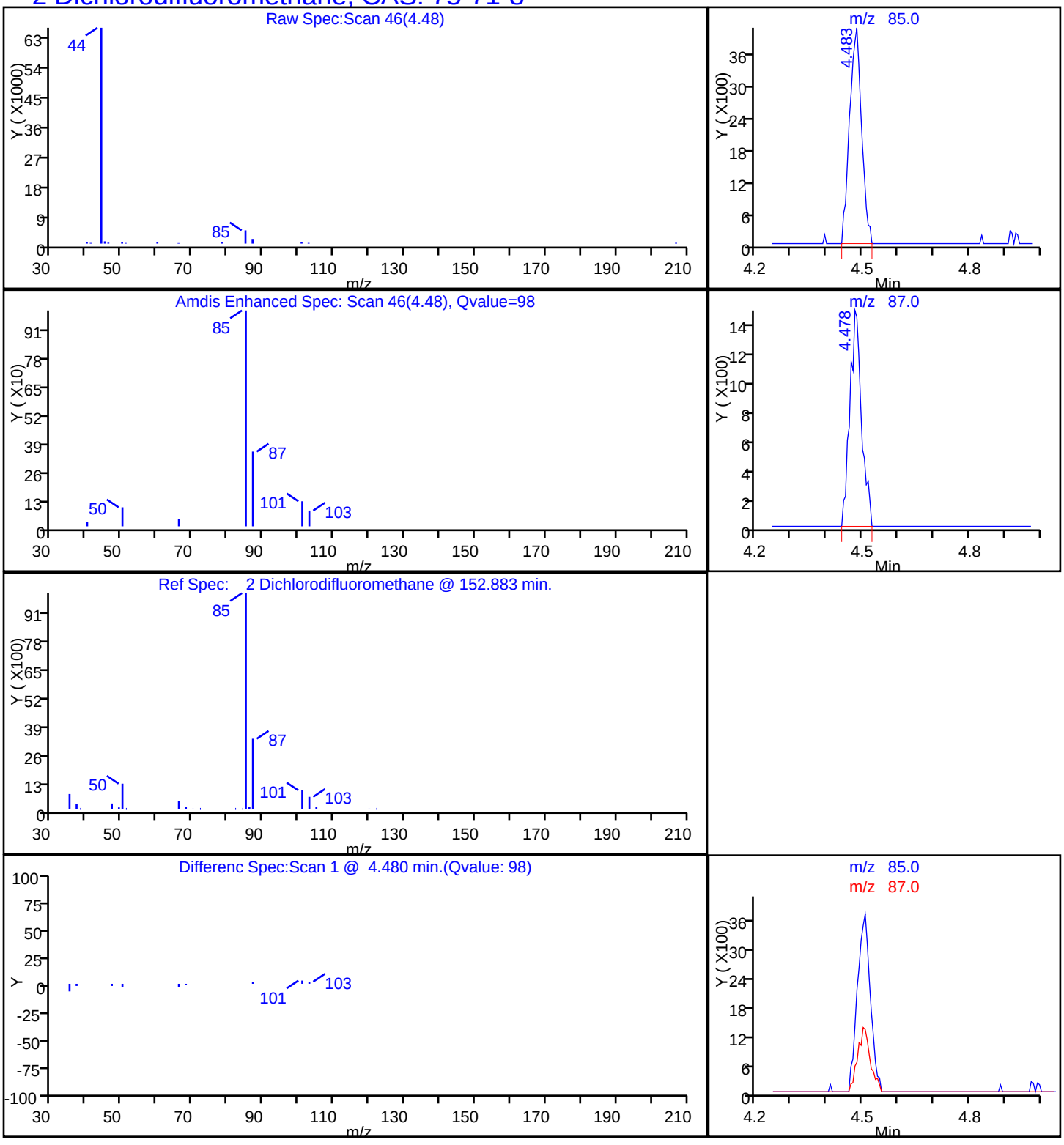
Report Date: 18-Jul-2014 10:17:05 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8



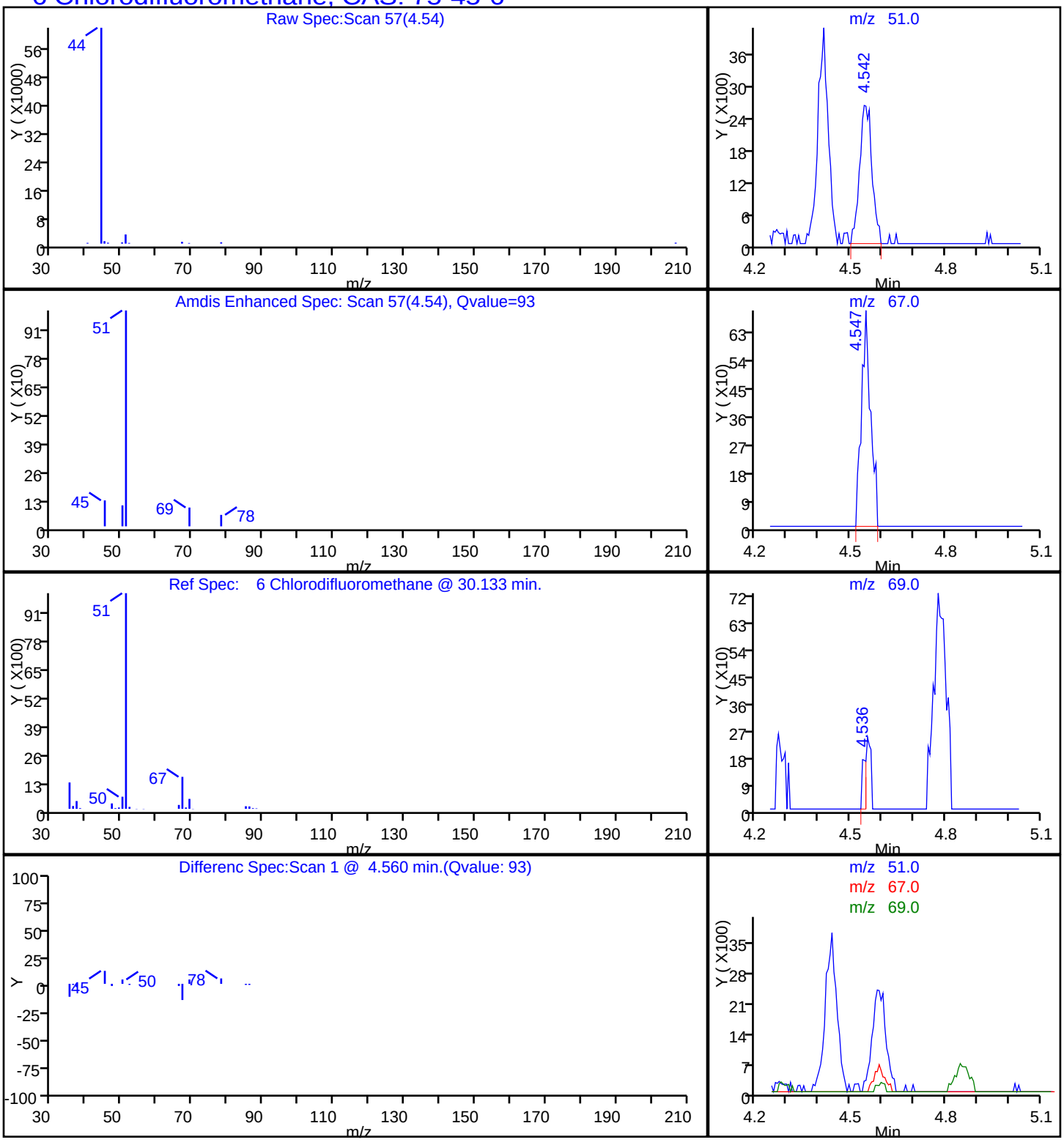
Report Date: 18-Jul-2014 10:17:05 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



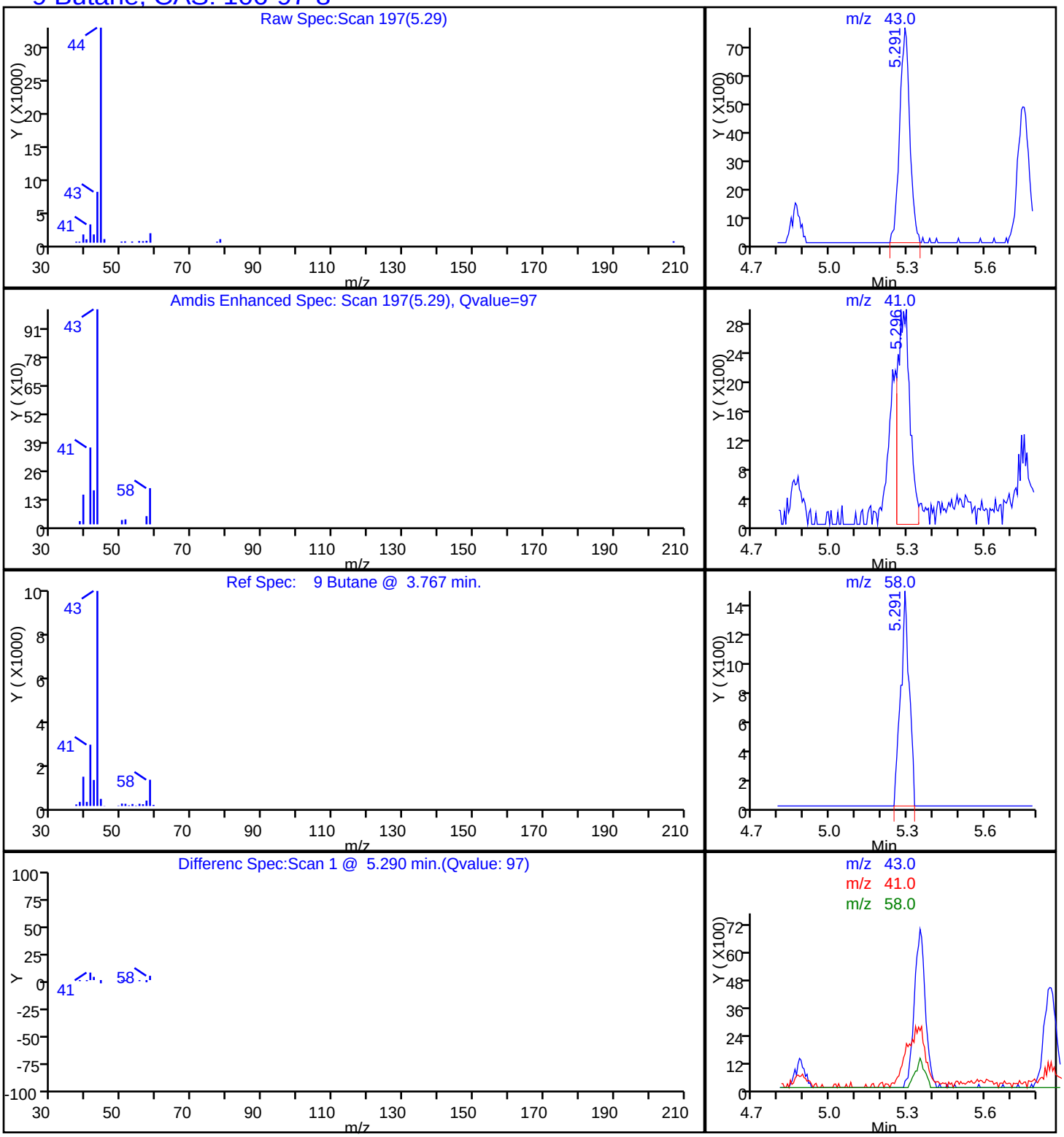
Report Date: 18-Jul-2014 10:17:05 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



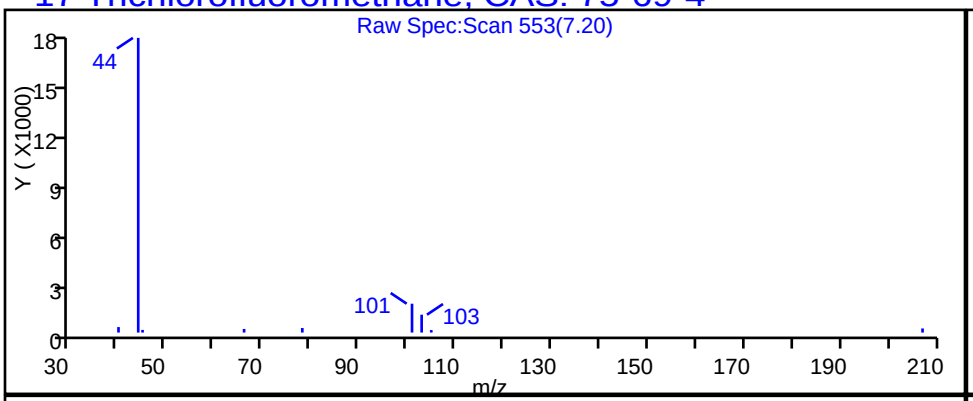
Report Date: 18-Jul-2014 10:17:05 Chrom Revision: 2.2 24-Jun-2014 07:21:42

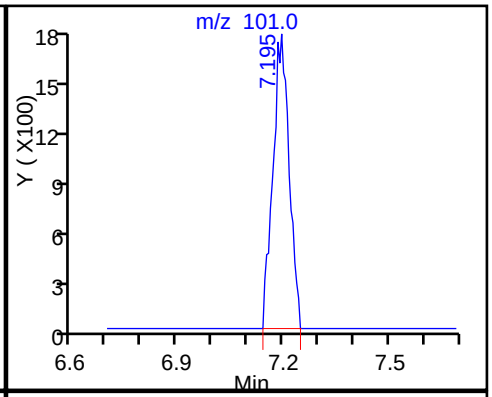
TestAmerica Burlington

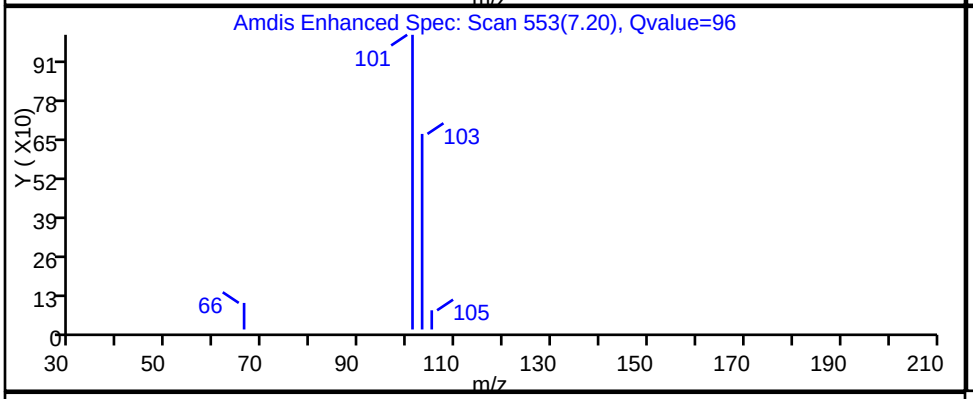
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

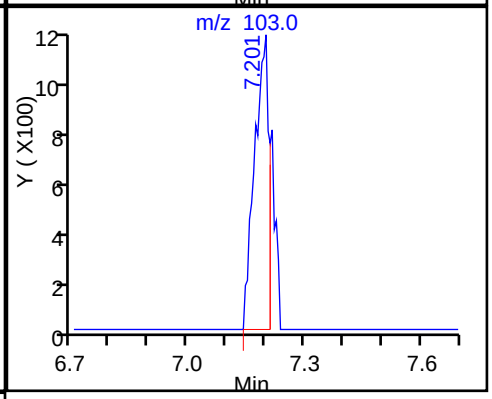
Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

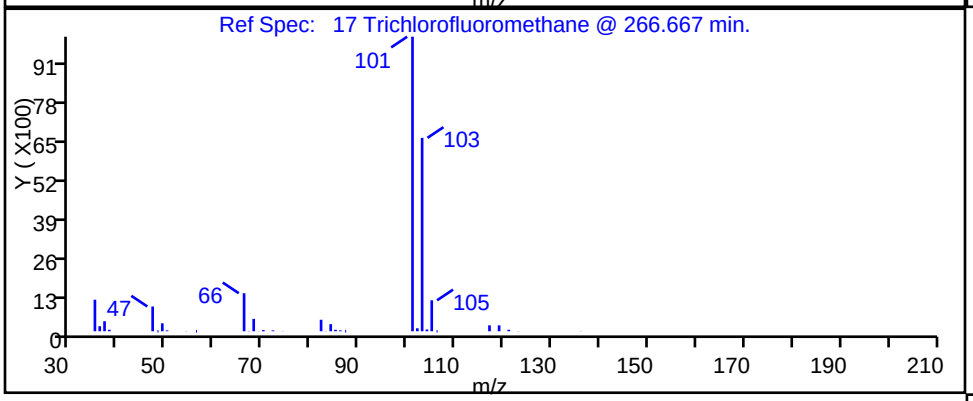
17 Trichlorofluoromethane, CAS: 75-69-4

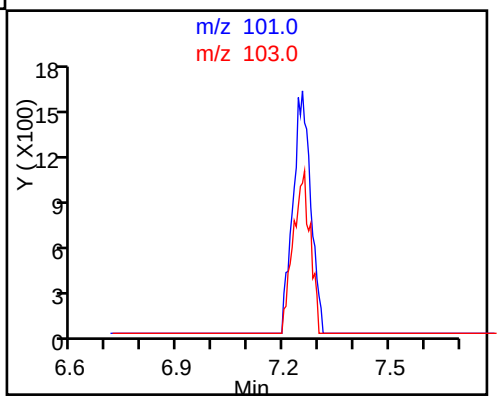












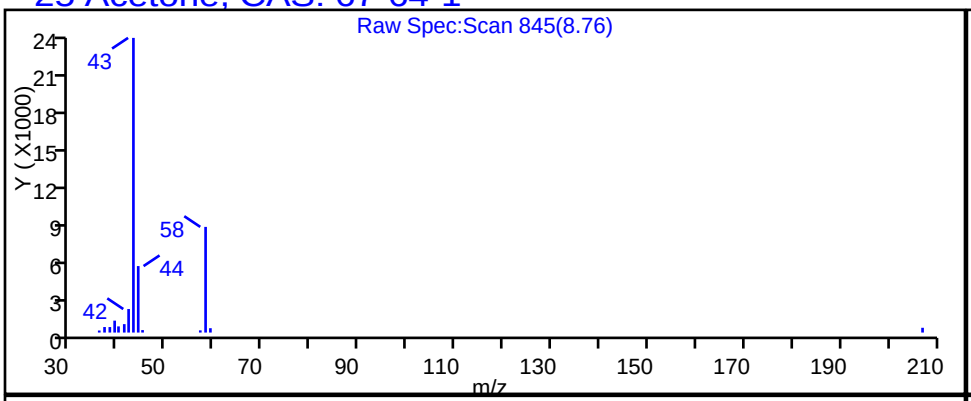
Report Date: 18-Jul-2014 10:17:05 Chrom Revision: 2.2 24-Jun-2014 07:21:42

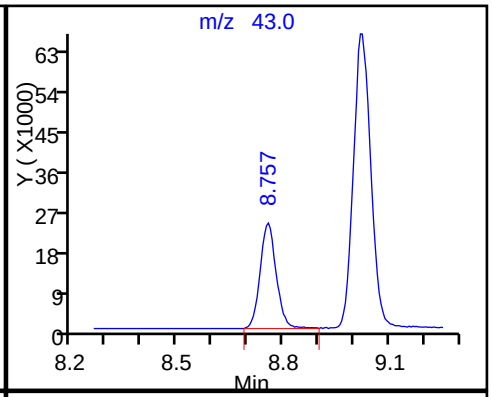
TestAmerica Burlington

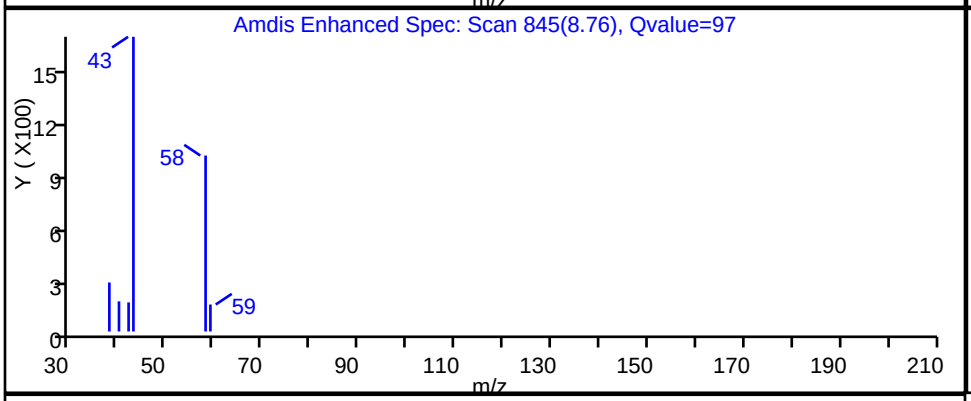
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

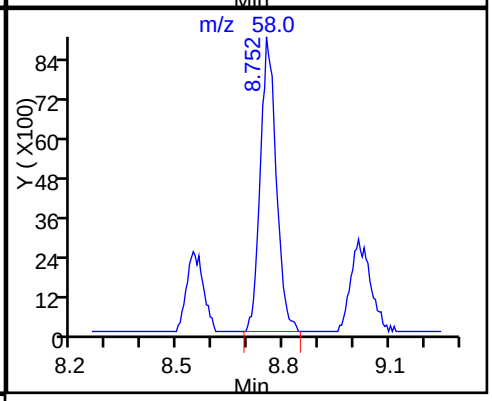
Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

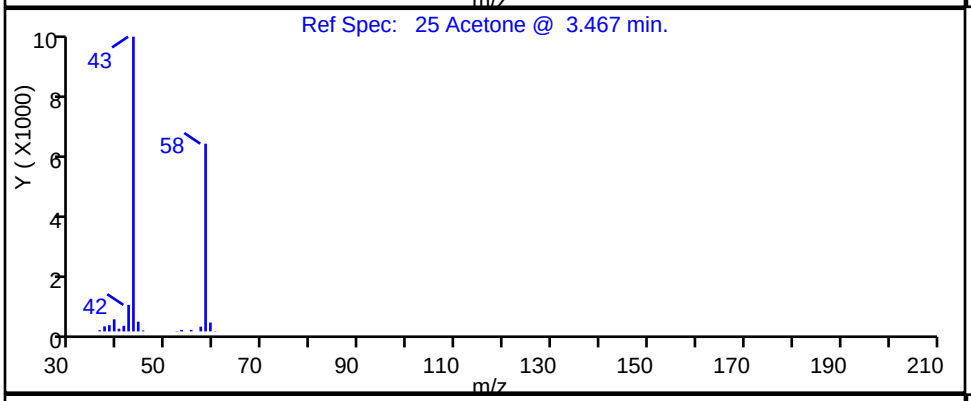
25 Acetone, CAS: 67-64-1

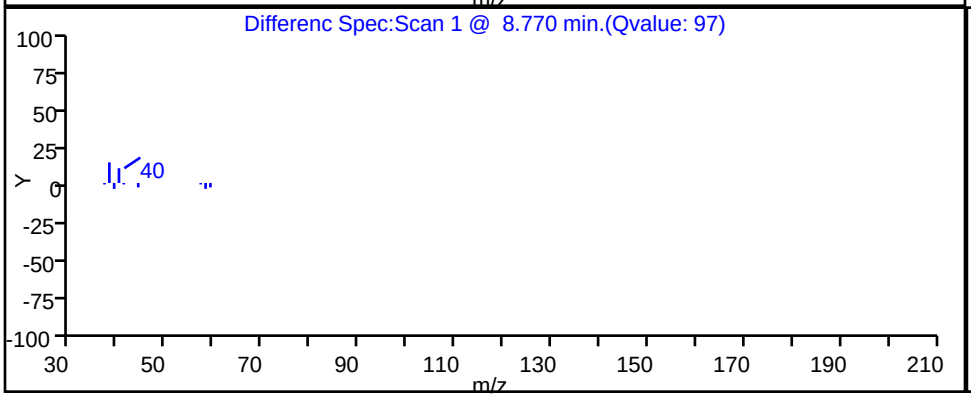


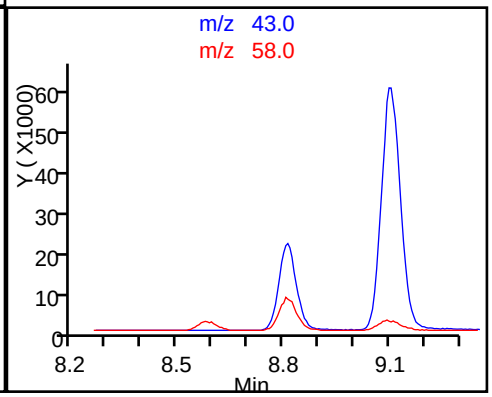












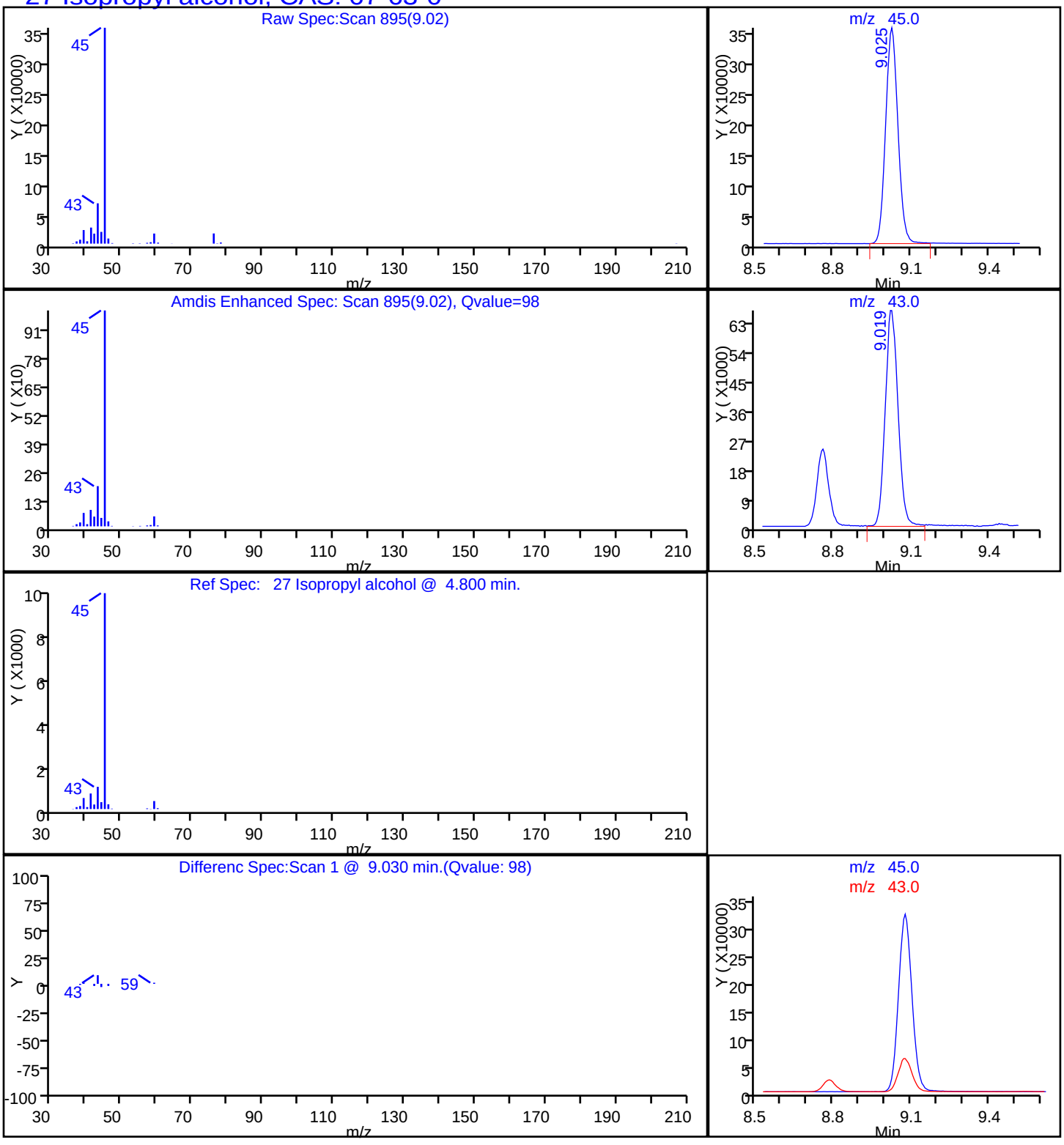
Report Date: 18-Jul-2014 10:17:05 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



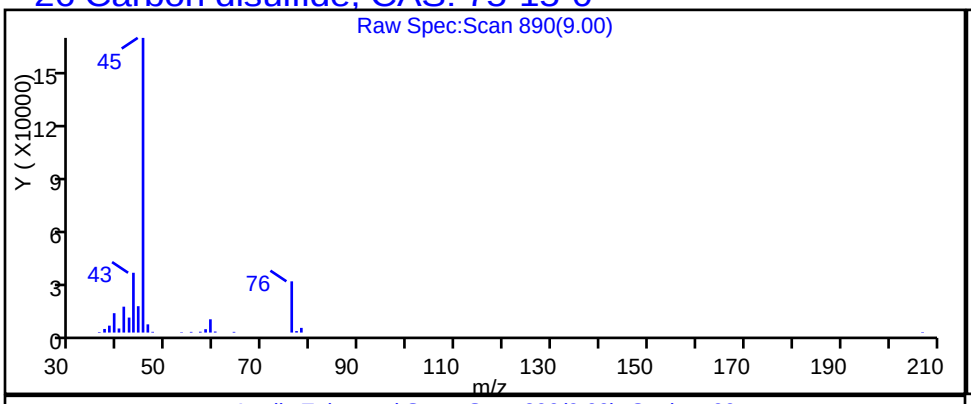
Report Date: 18-Jul-2014 10:17:05 Chrom Revision: 2.2 24-Jun-2014 07:21:42

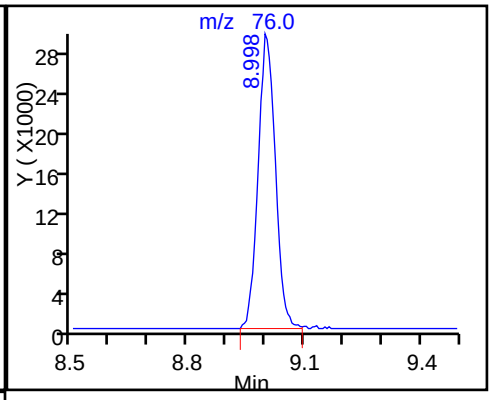
TestAmerica Burlington

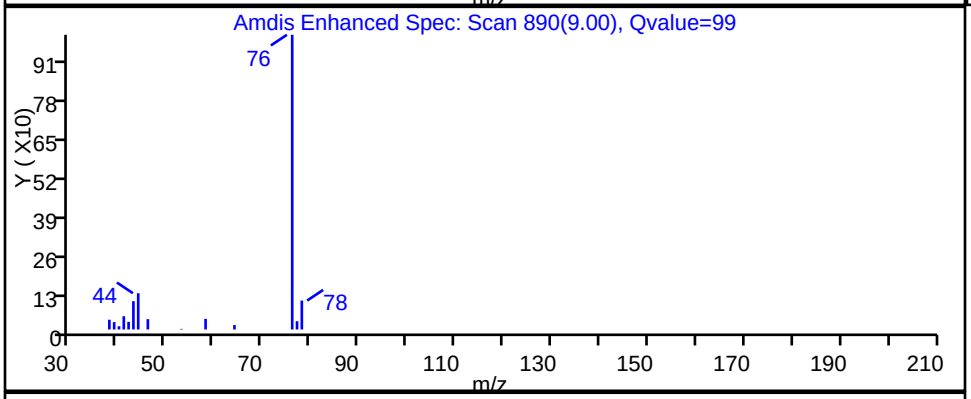
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

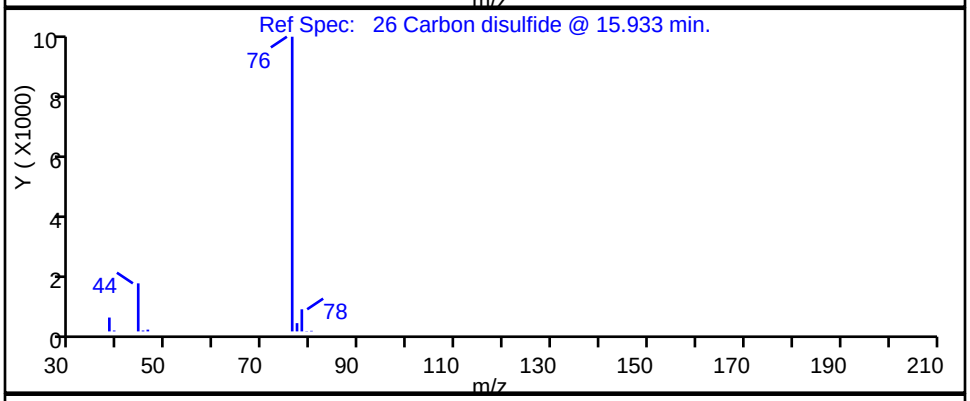
Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

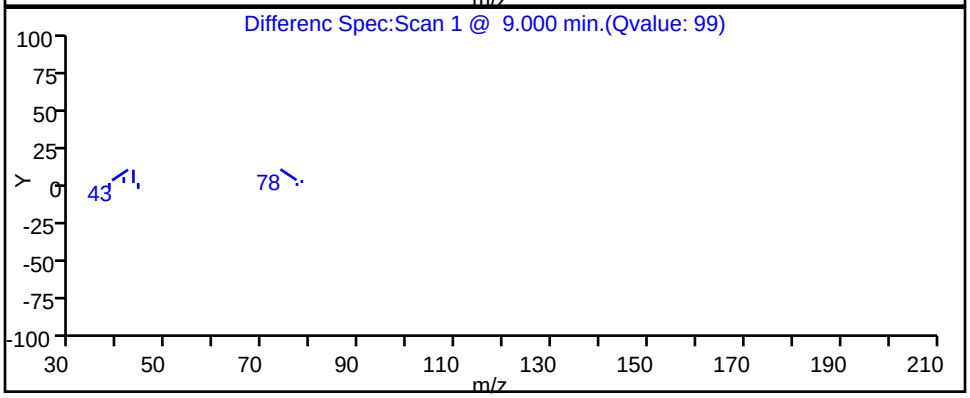
26 Carbon disulfide, CAS: 75-15-0











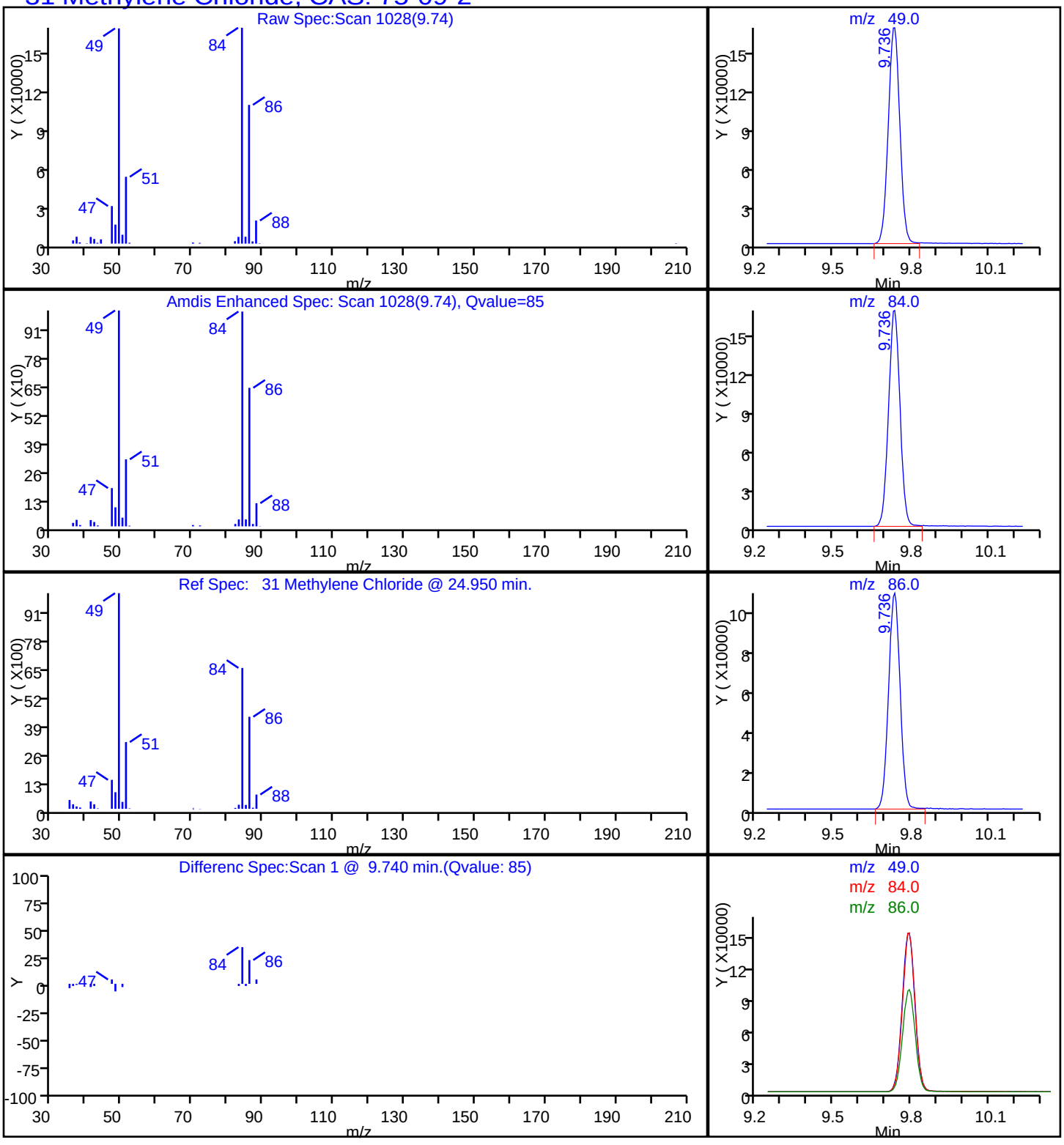
Report Date: 18-Jul-2014 10:17:05 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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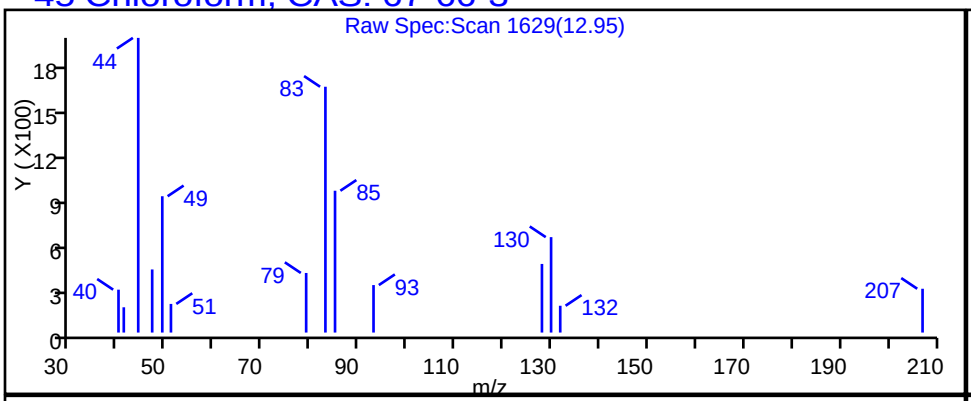
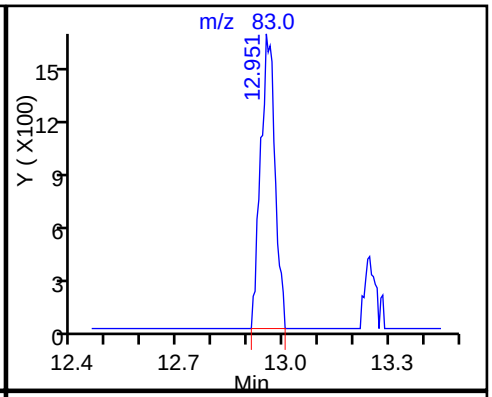
TestAmerica Burlington

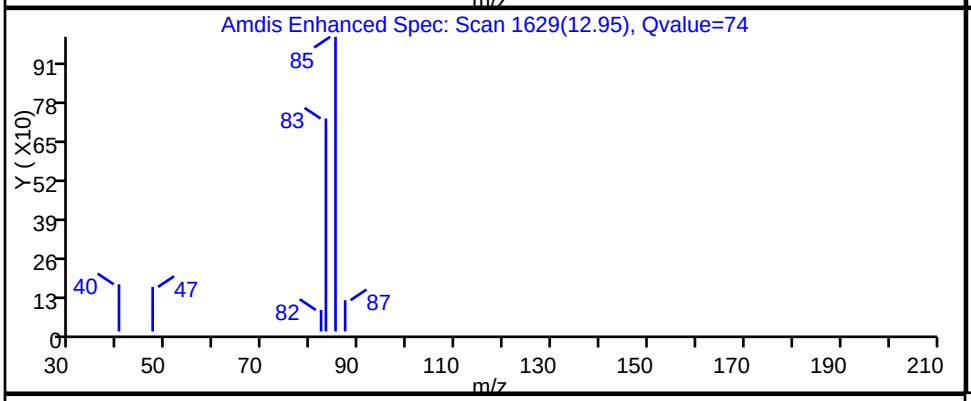
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

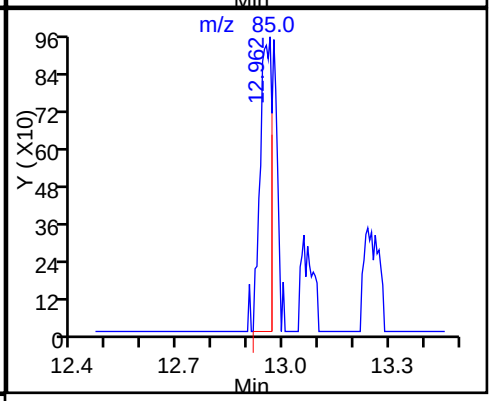
Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

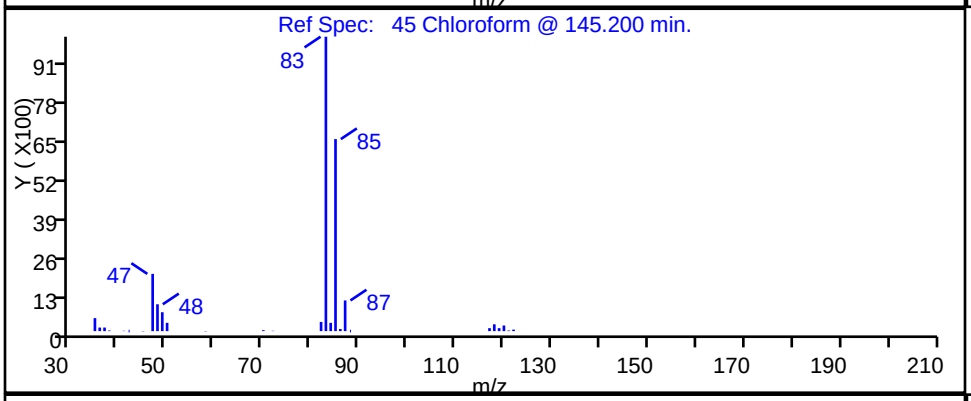
45 Chloroform, CAS: 67-66-3

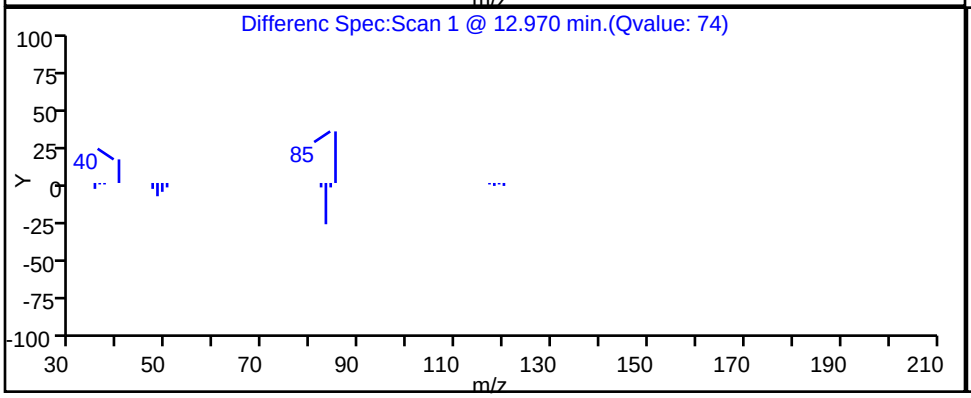


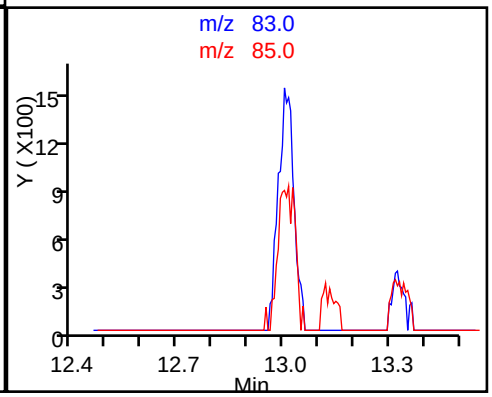












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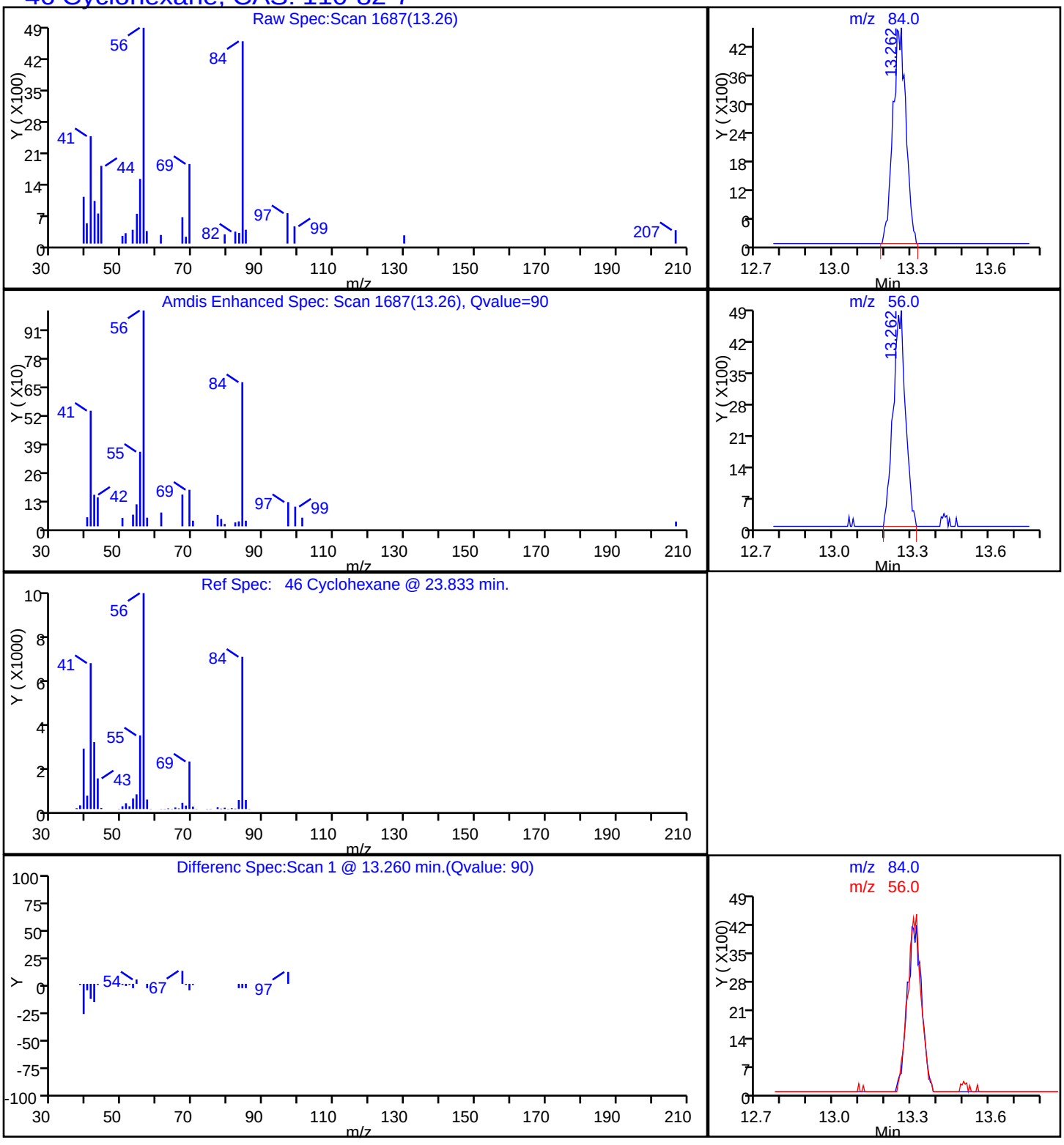
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



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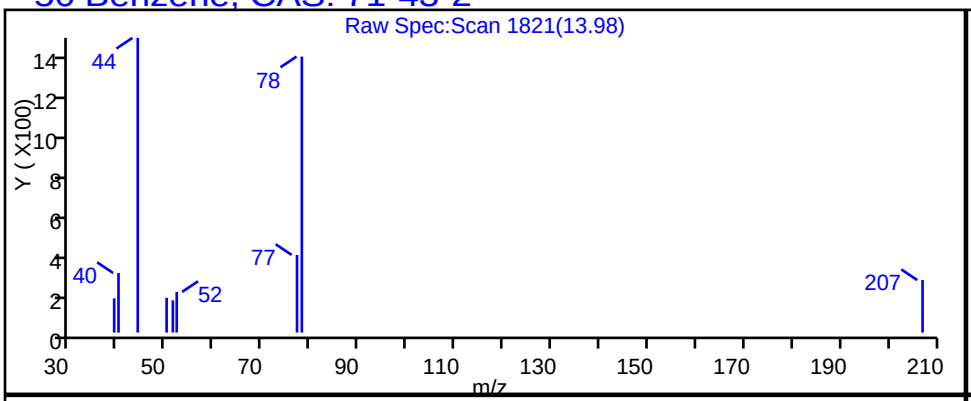
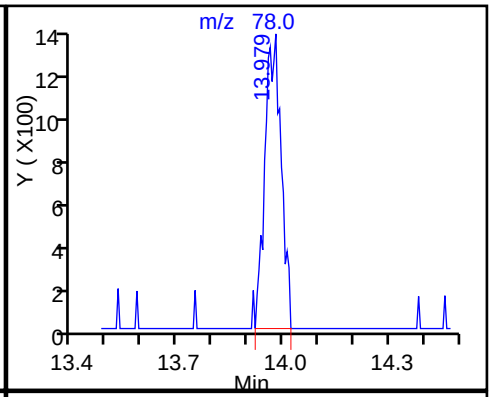
TestAmerica Burlington

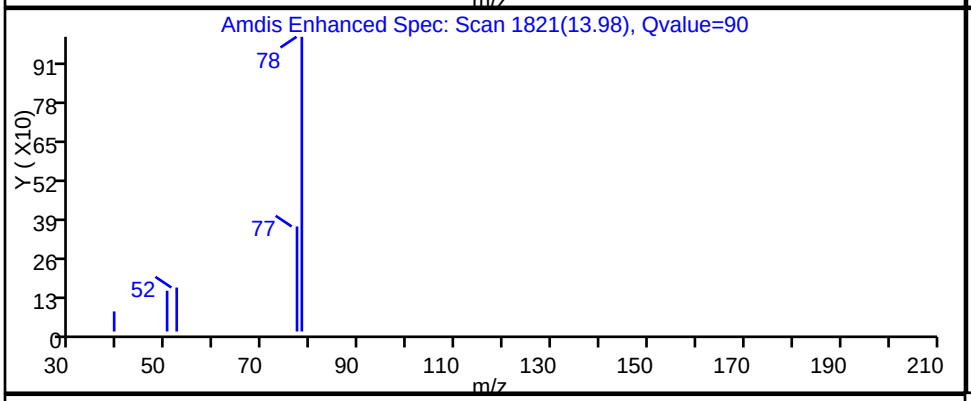
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

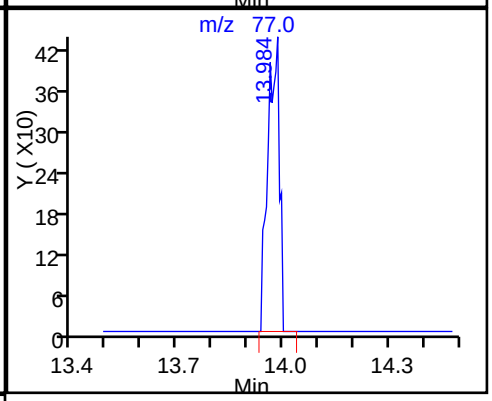
Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

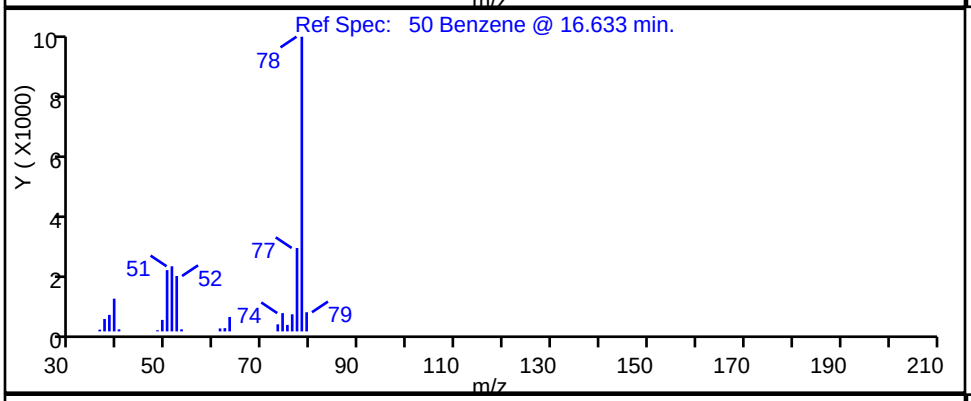
50 Benzene, CAS: 71-43-2

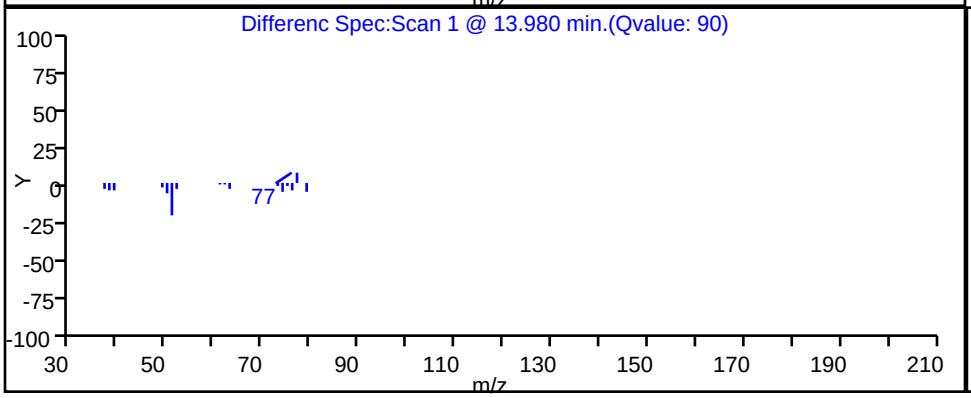


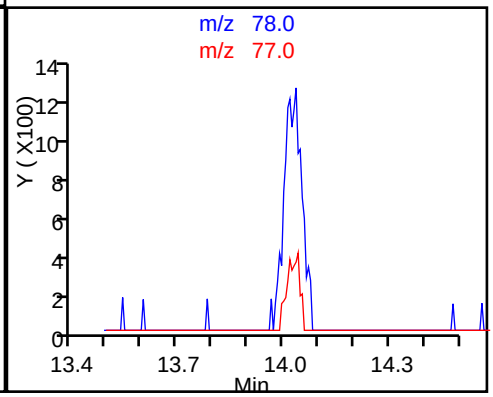












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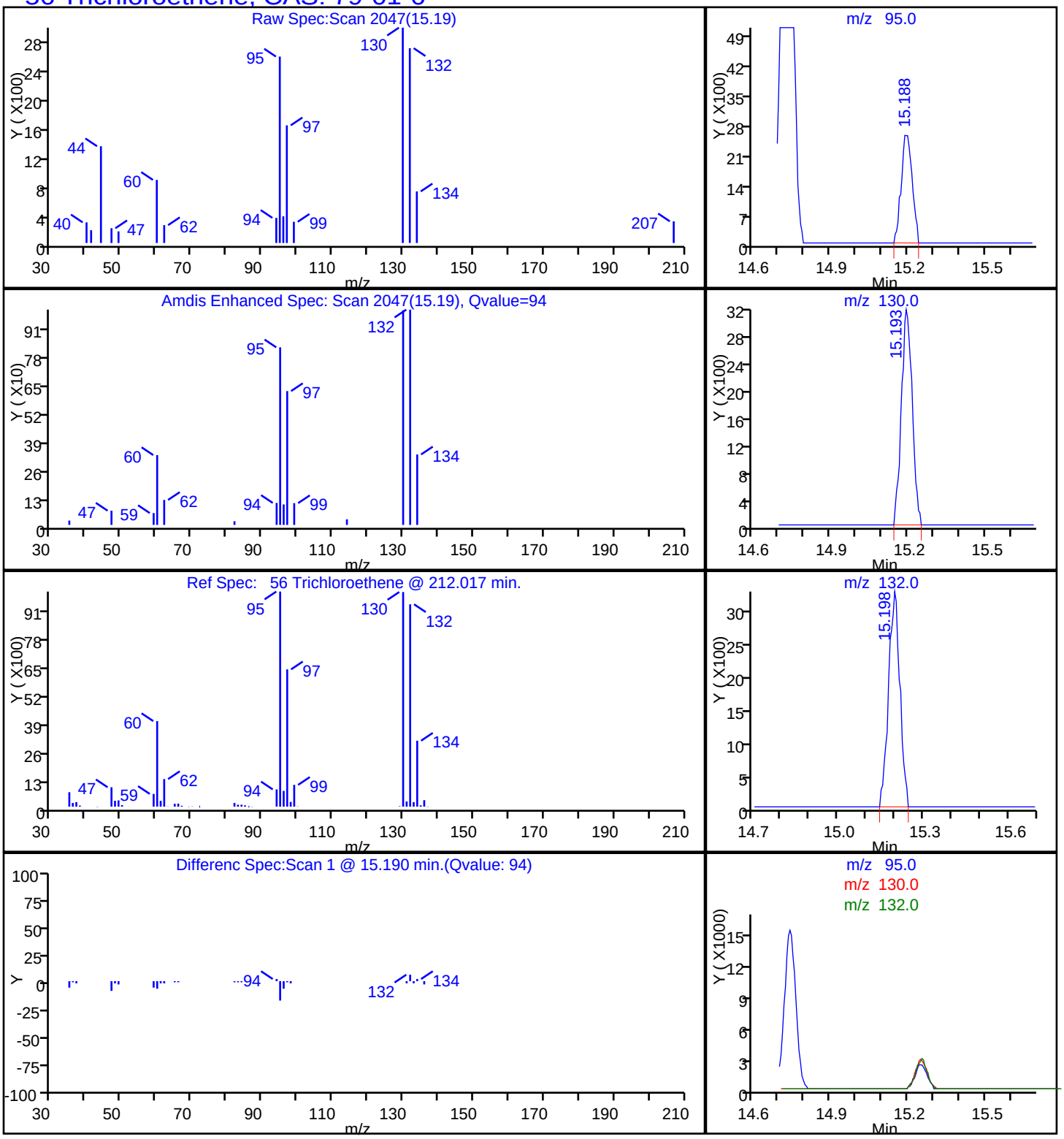
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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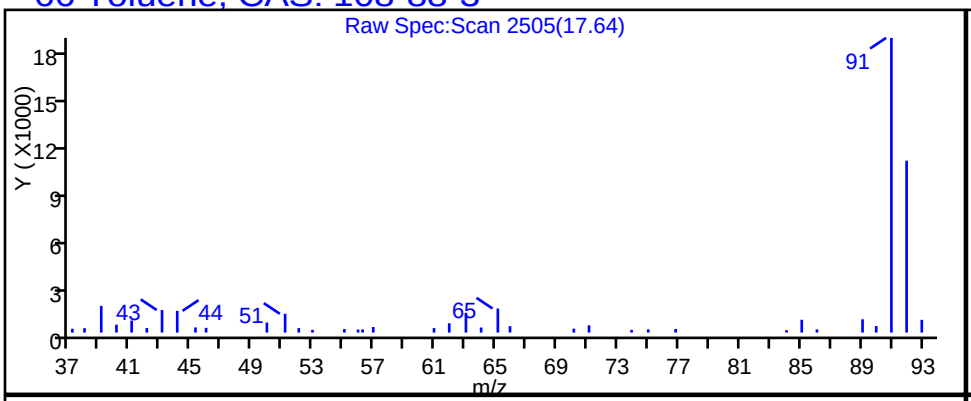
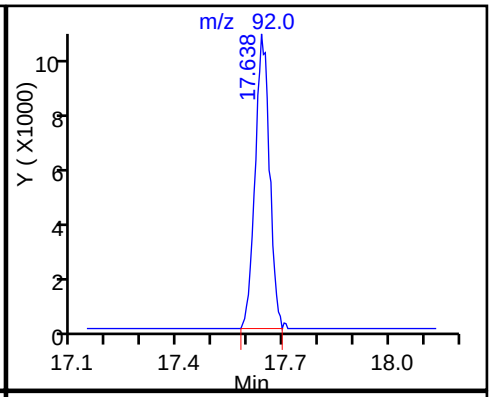
TestAmerica Burlington

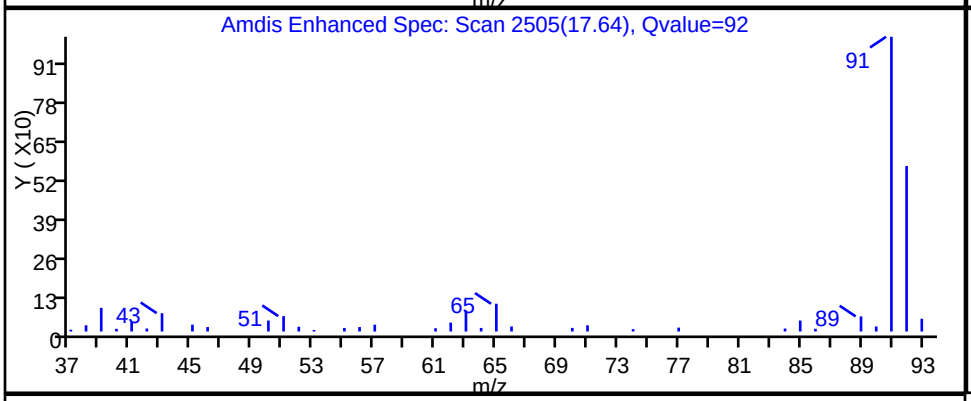
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

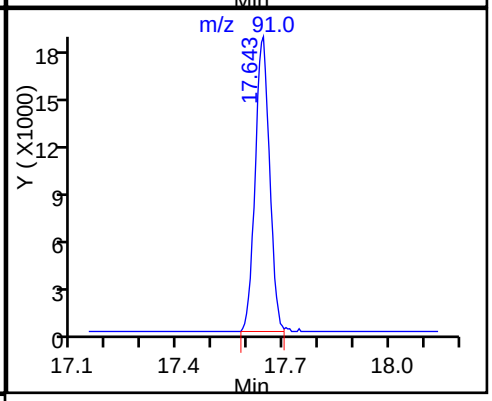
Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

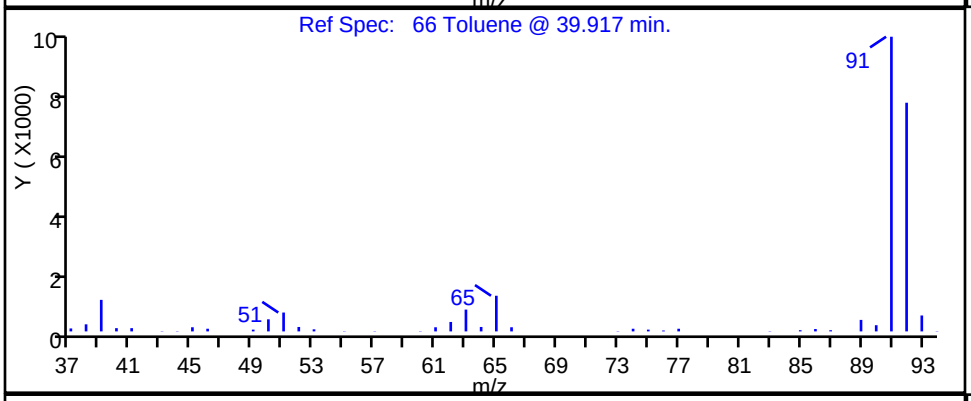
66 Toluene, CAS: 108-88-3

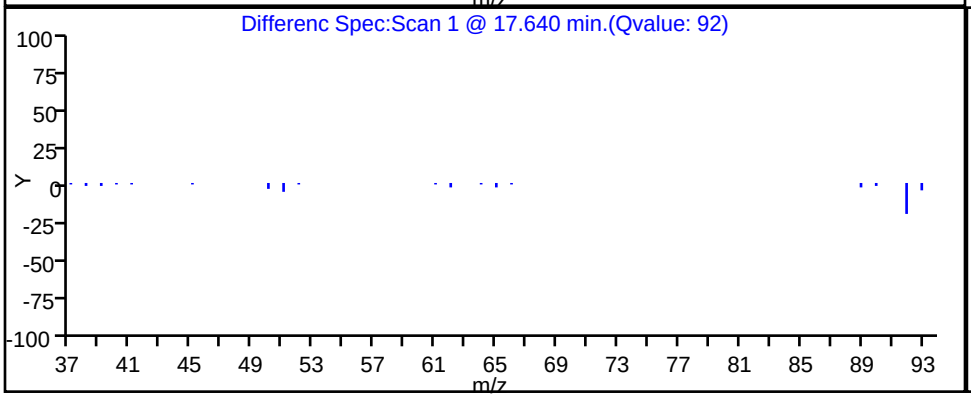


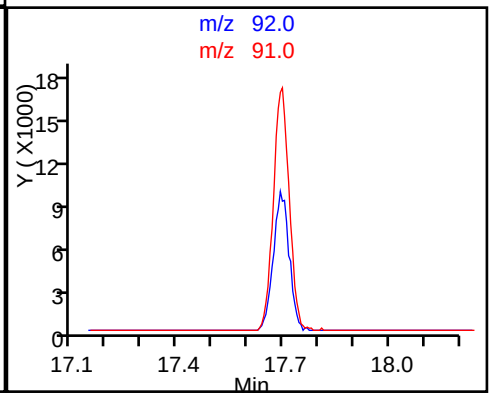












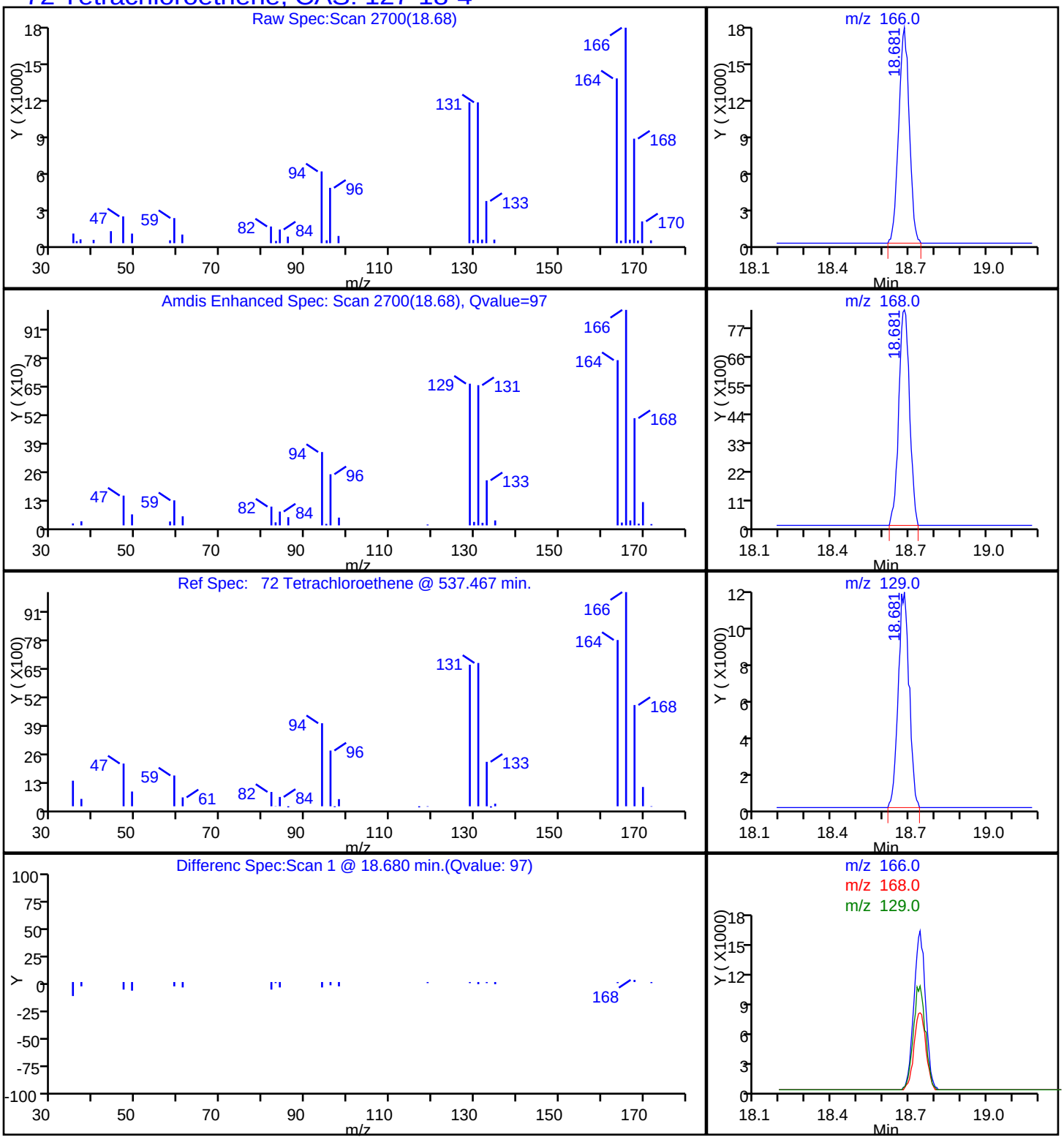
Report Date: 18-Jul-2014 10:17:06 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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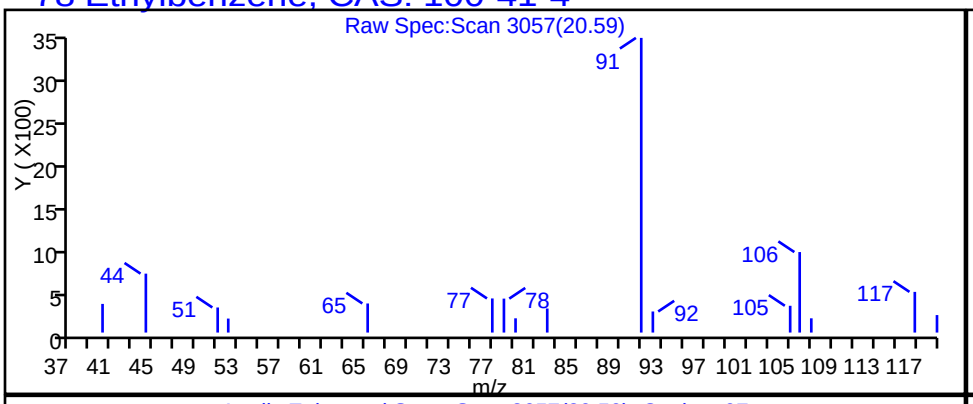
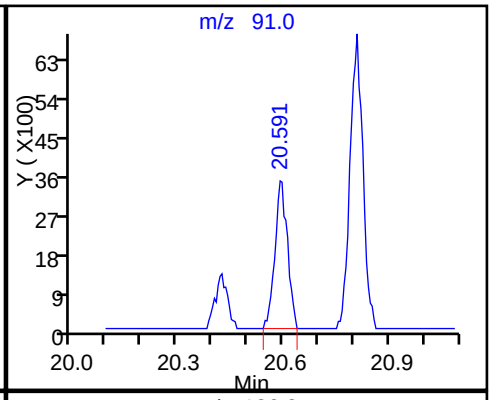
TestAmerica Burlington

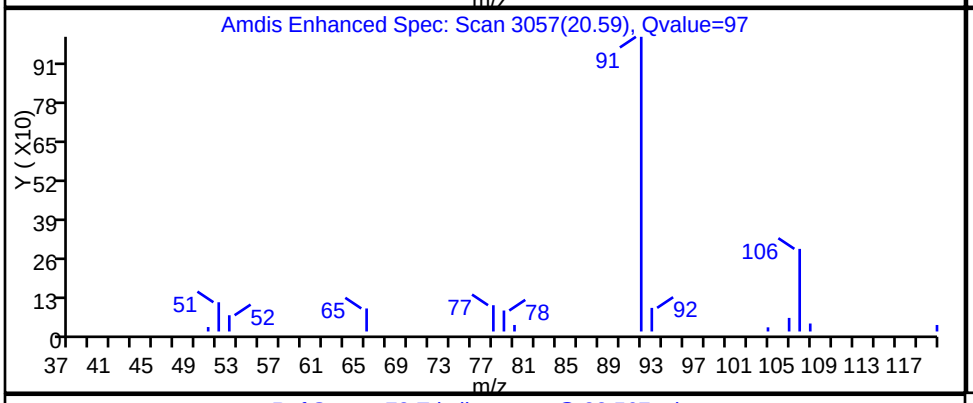
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

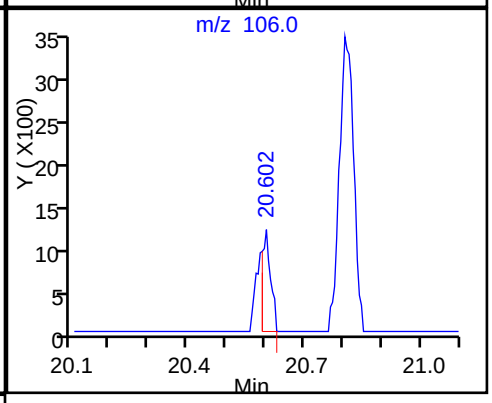
Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

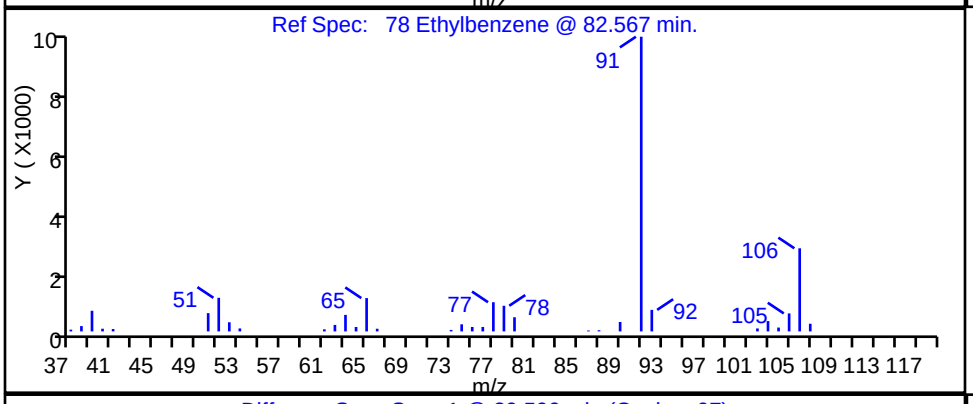
78 Ethylbenzene, CAS: 100-41-4

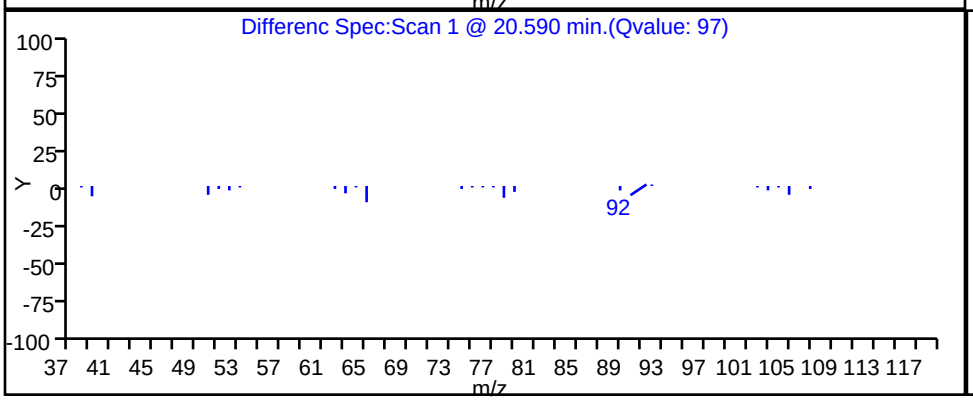


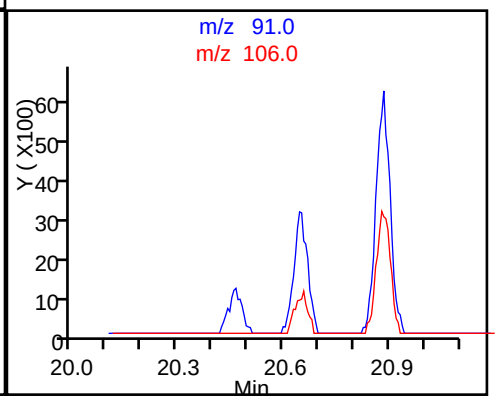












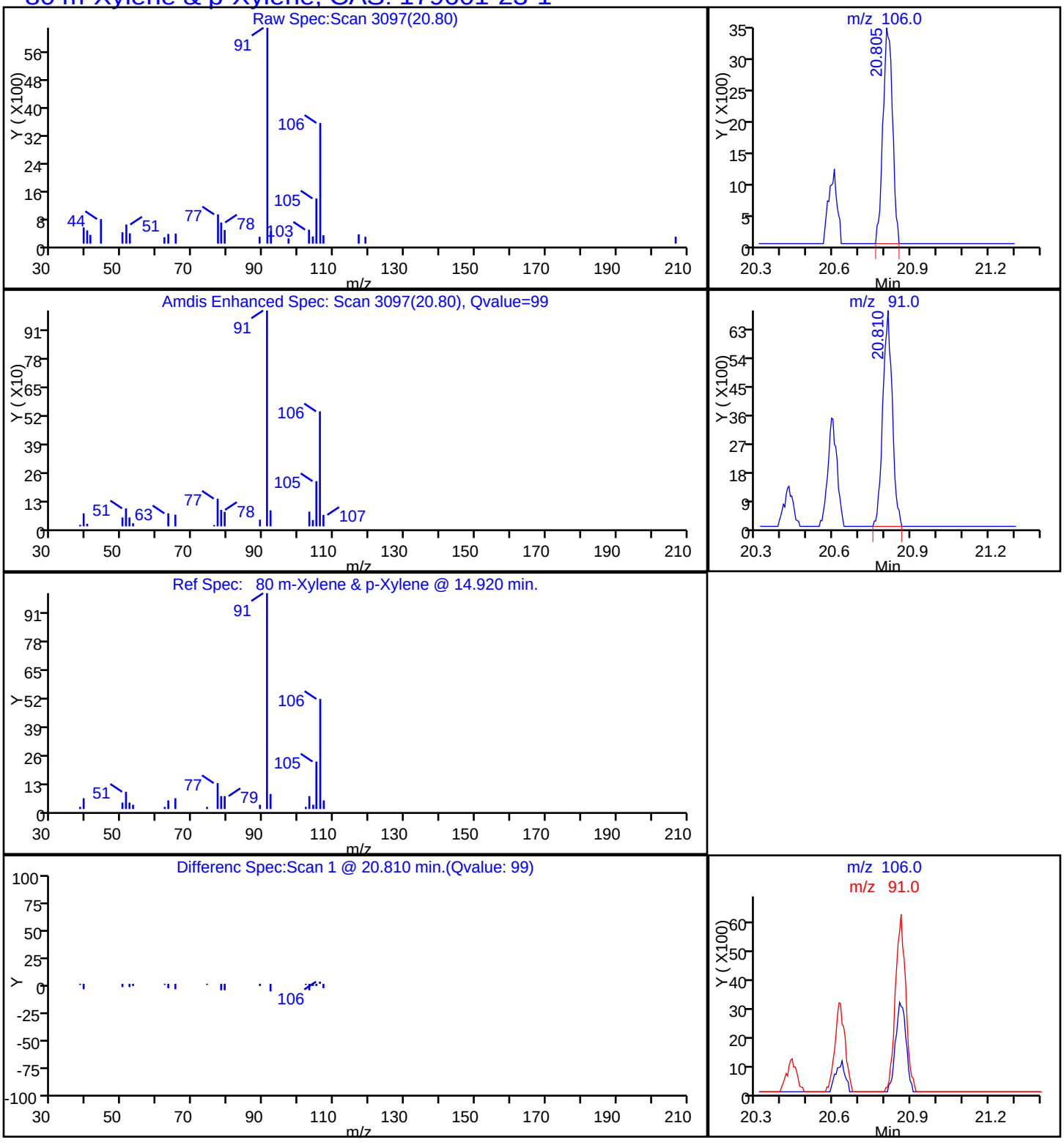
Report Date: 18-Jul-2014 10:17:06 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



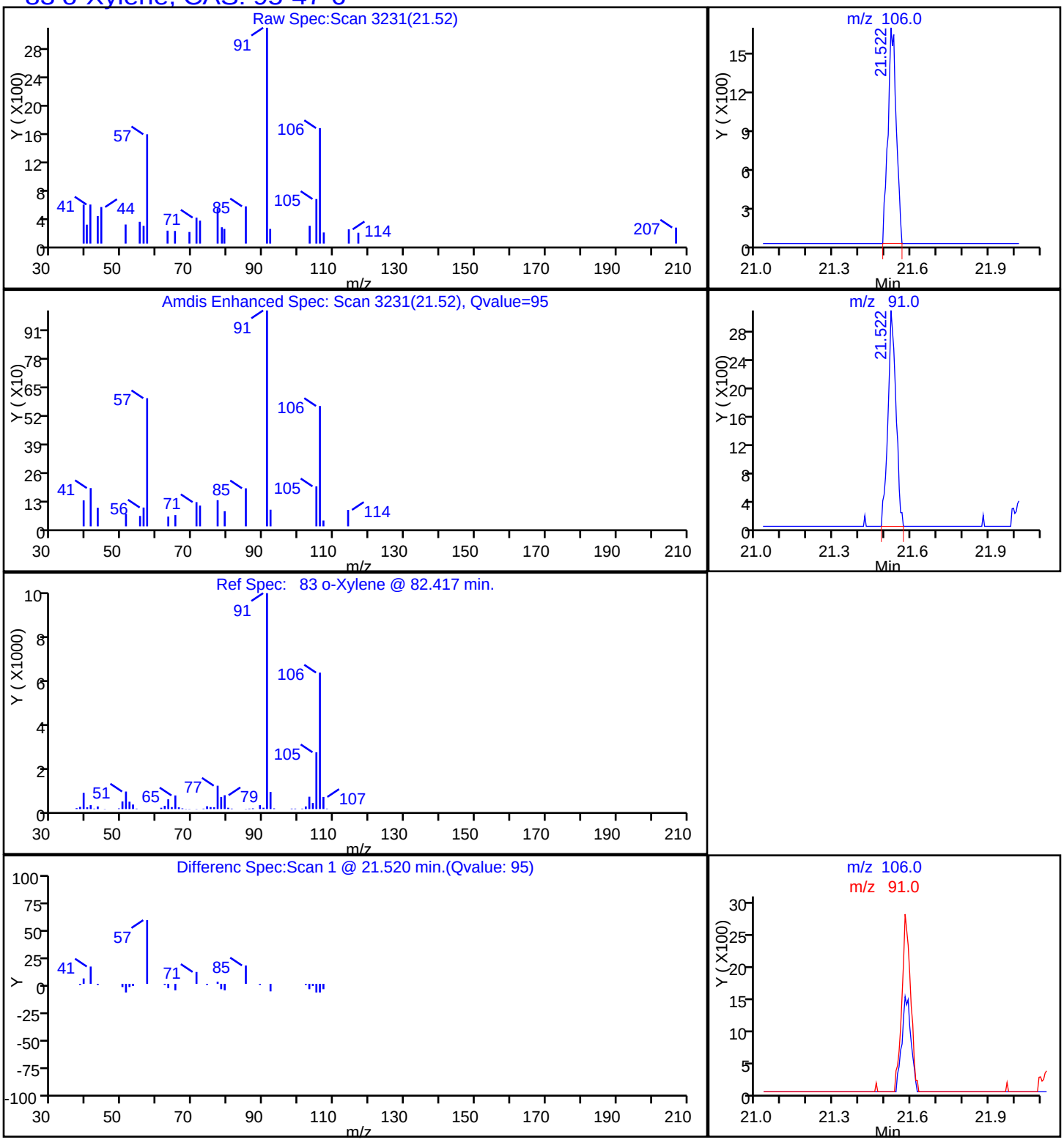
Report Date: 18-Jul-2014 10:17:06 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



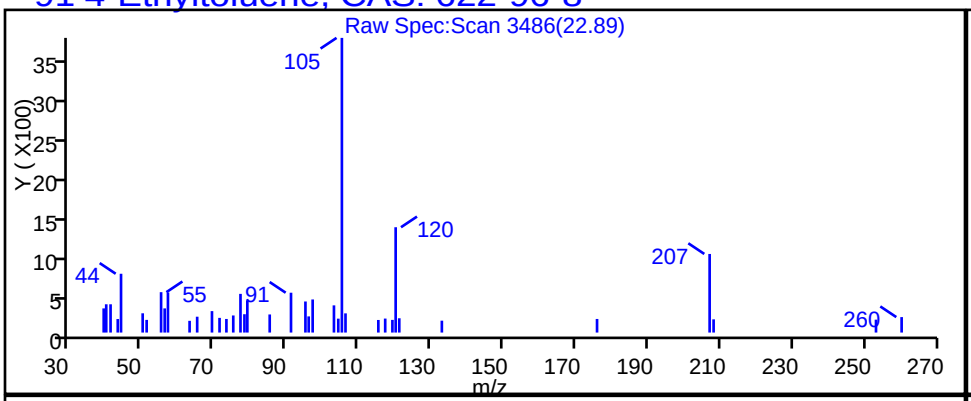
Report Date: 18-Jul-2014 10:17:06 Chrom Revision: 2.2 24-Jun-2014 07:21:42

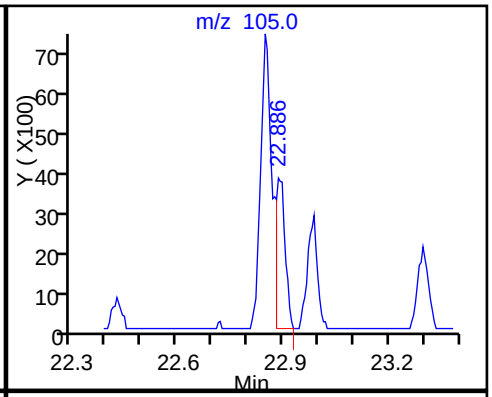
TestAmerica Burlington

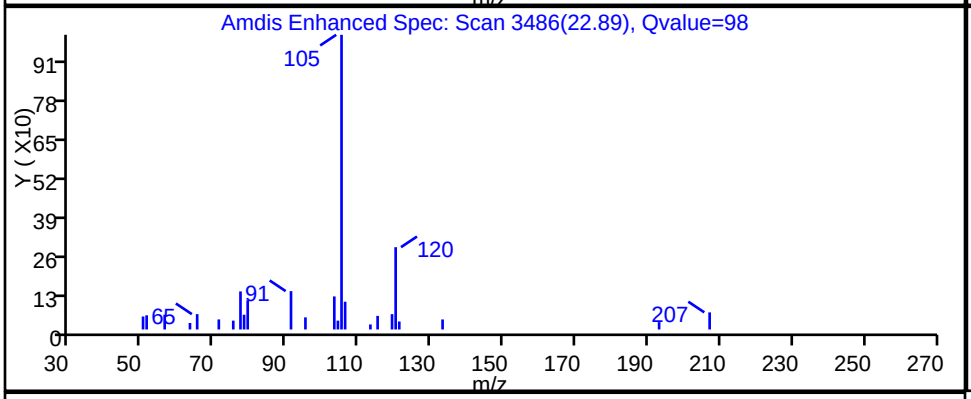
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

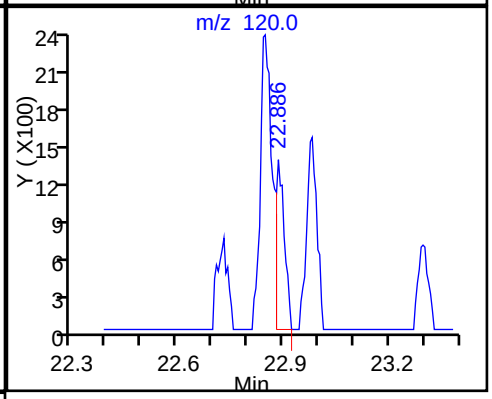
Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

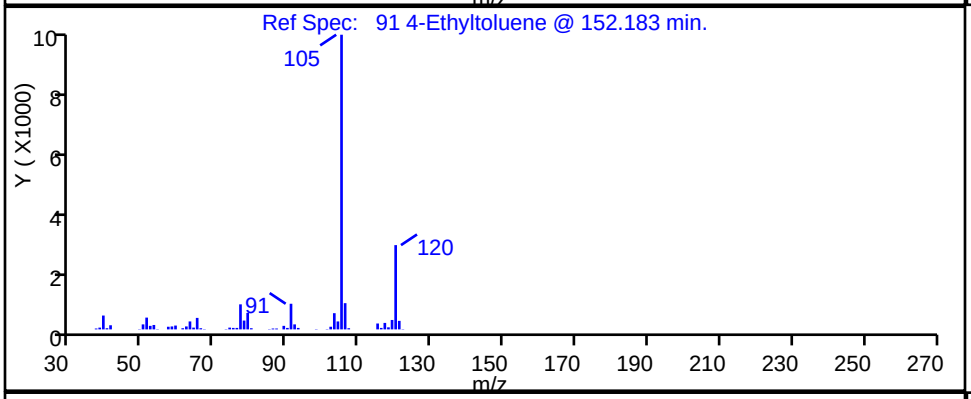
91 4-Ethyltoluene, CAS: 622-96-8

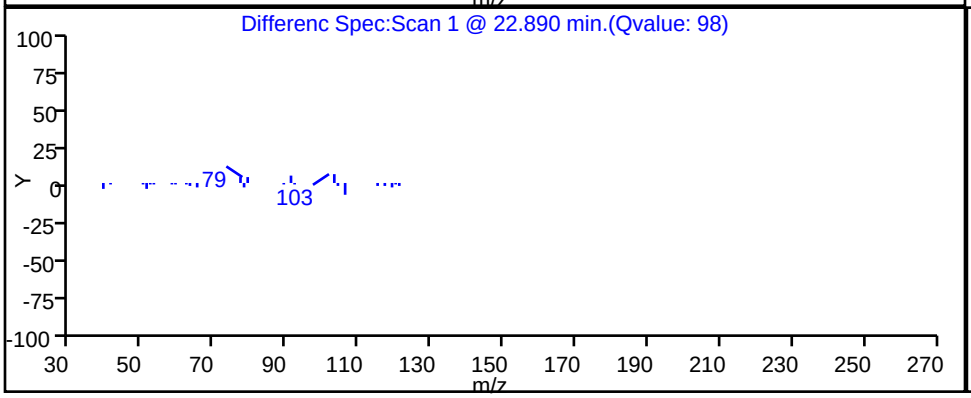


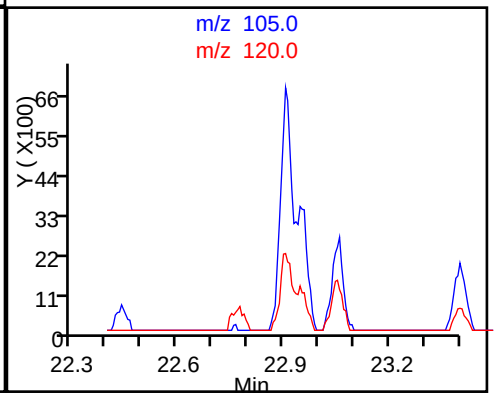












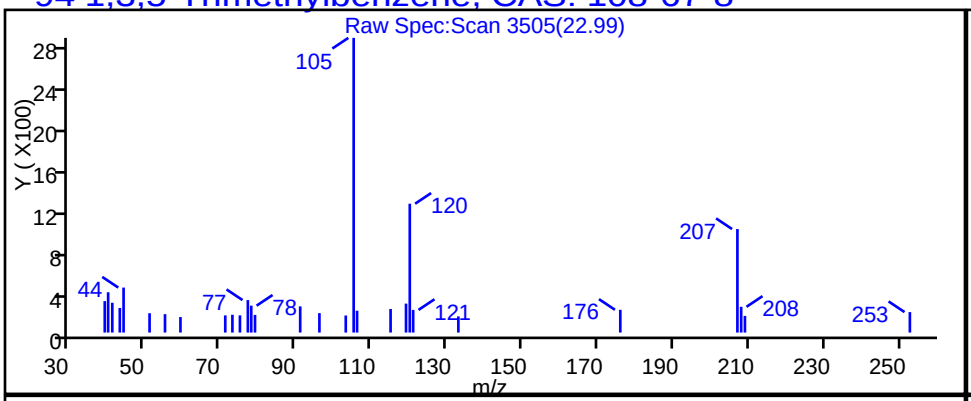
Report Date: 18-Jul-2014 10:17:06 Chrom Revision: 2.2 24-Jun-2014 07:21:42

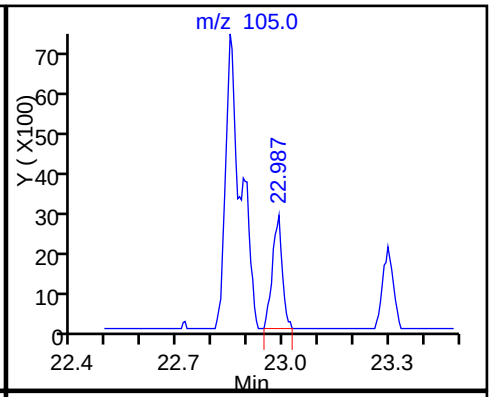
TestAmerica Burlington

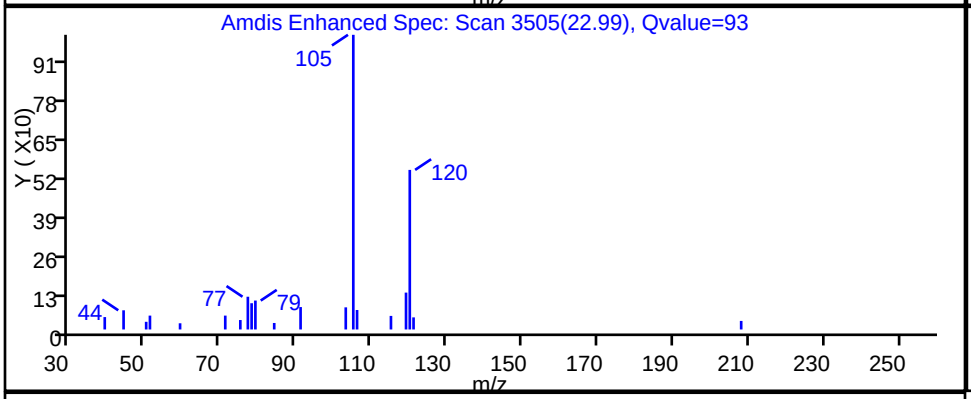
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

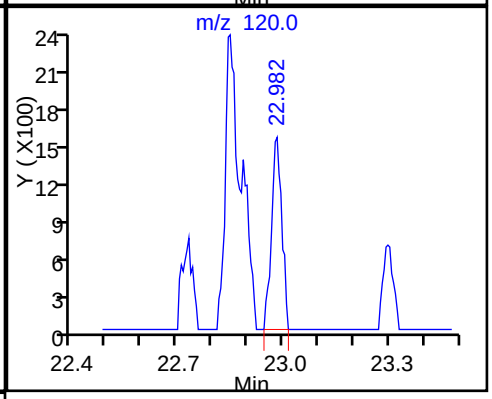
Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

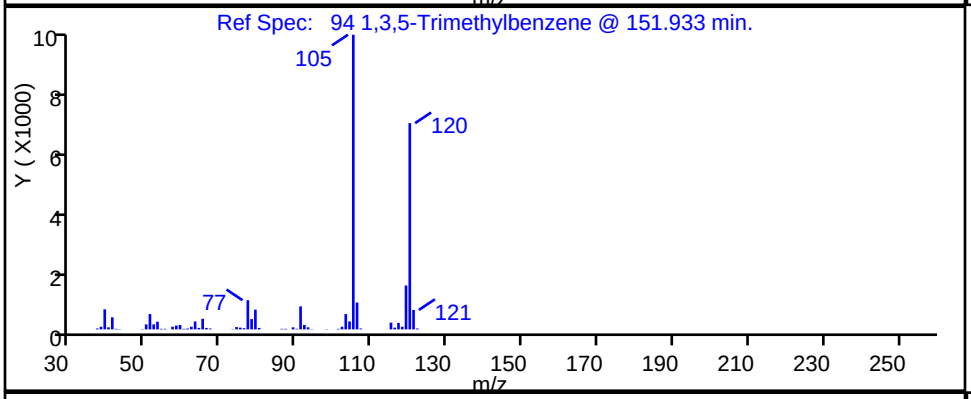
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

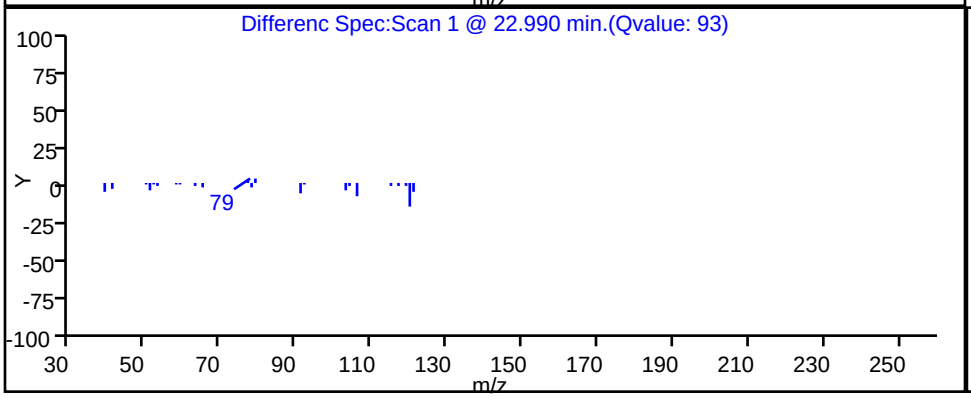


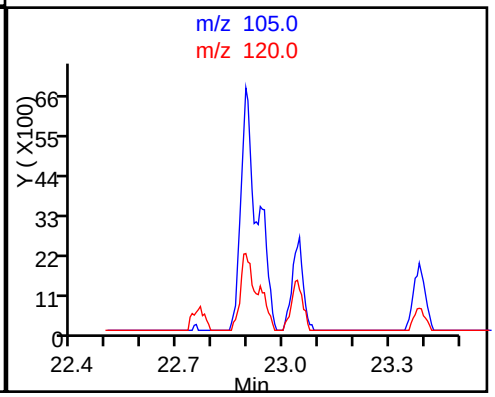












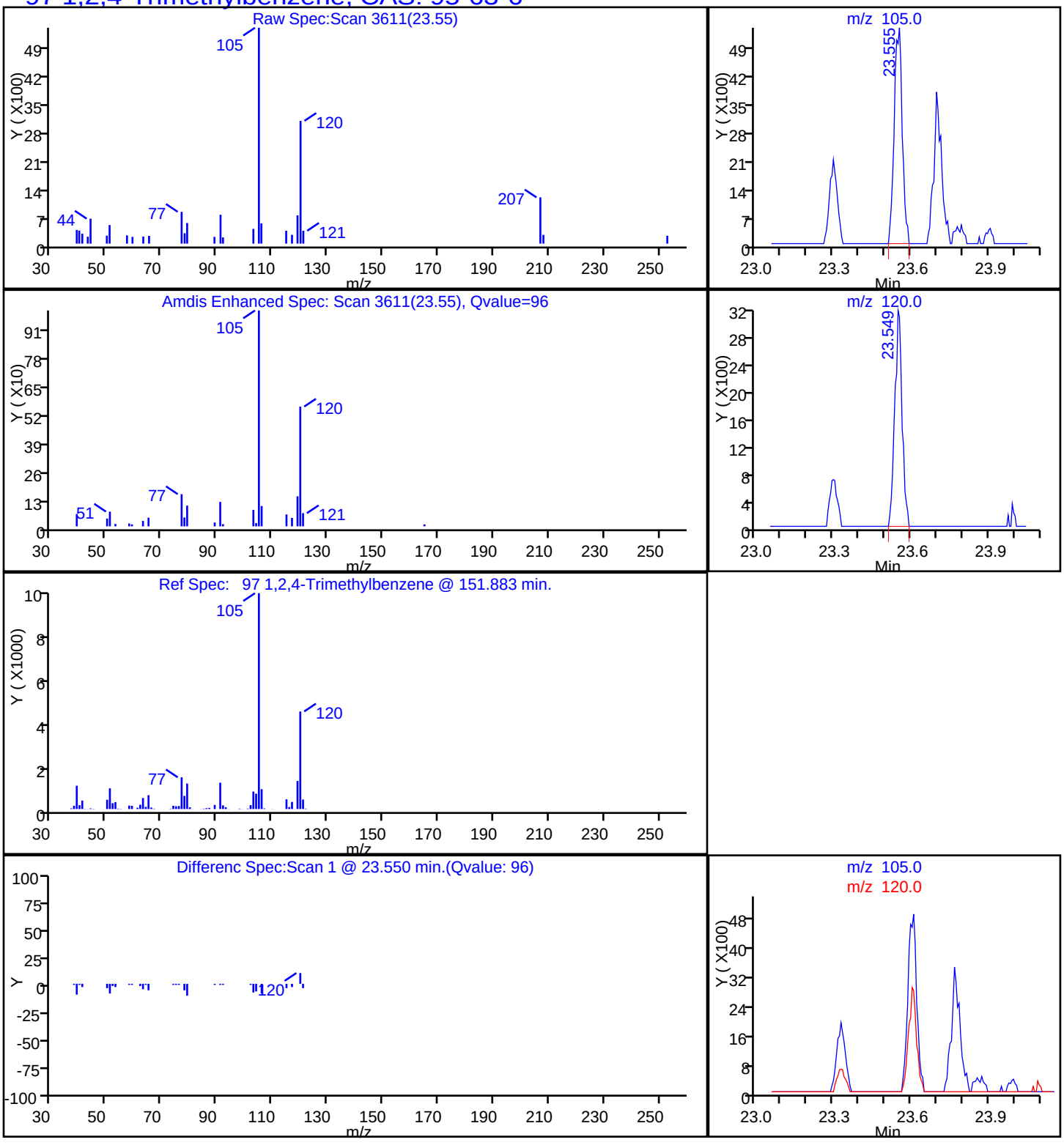
Report Date: 18-Jul-2014 10:17:06 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 1,2,4-Trimethylbenzene, CAS: 95-63-6



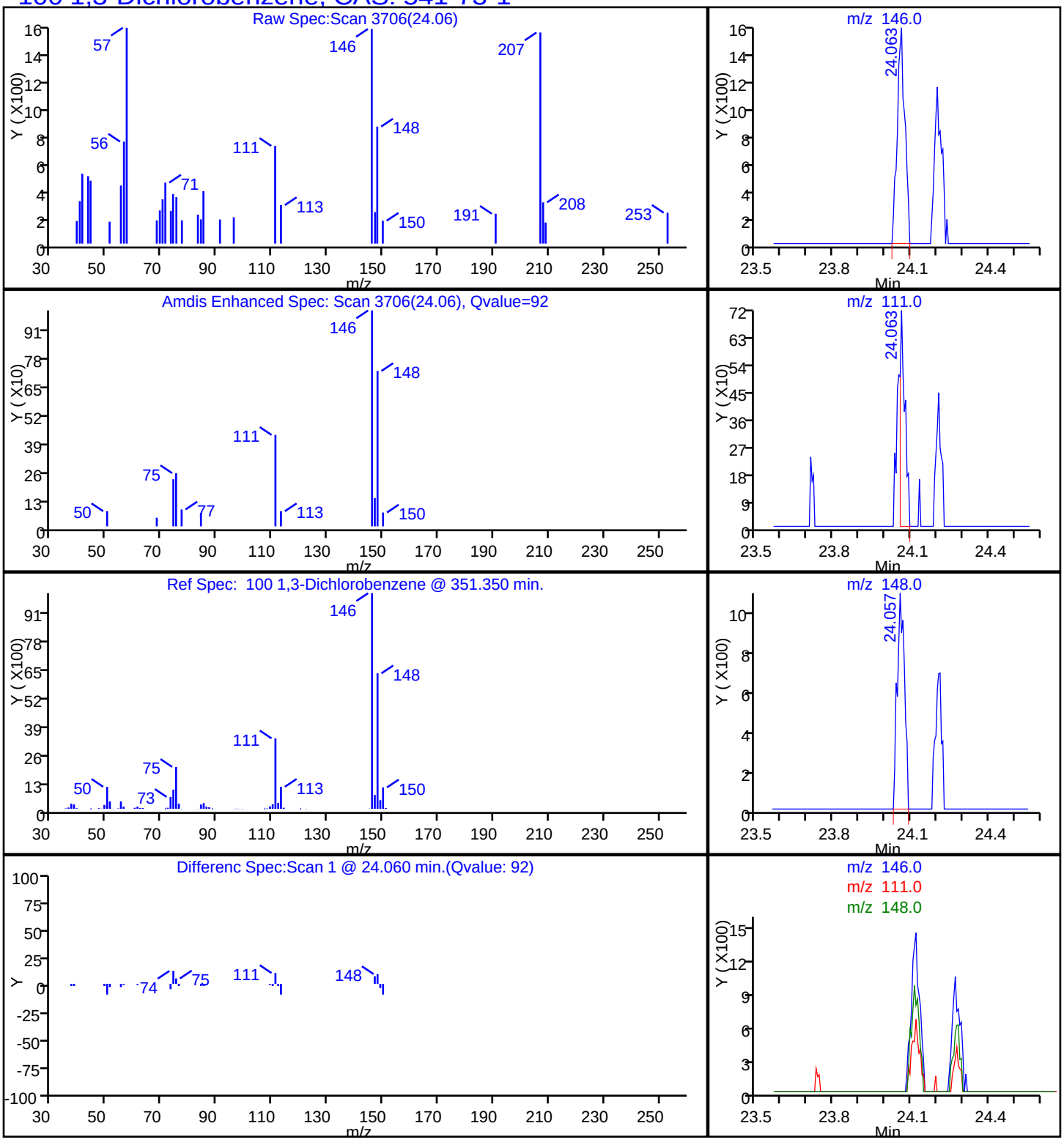
Report Date: 18-Jul-2014 10:17:06 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d

Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



Manual Integration/User Assign Peak Report

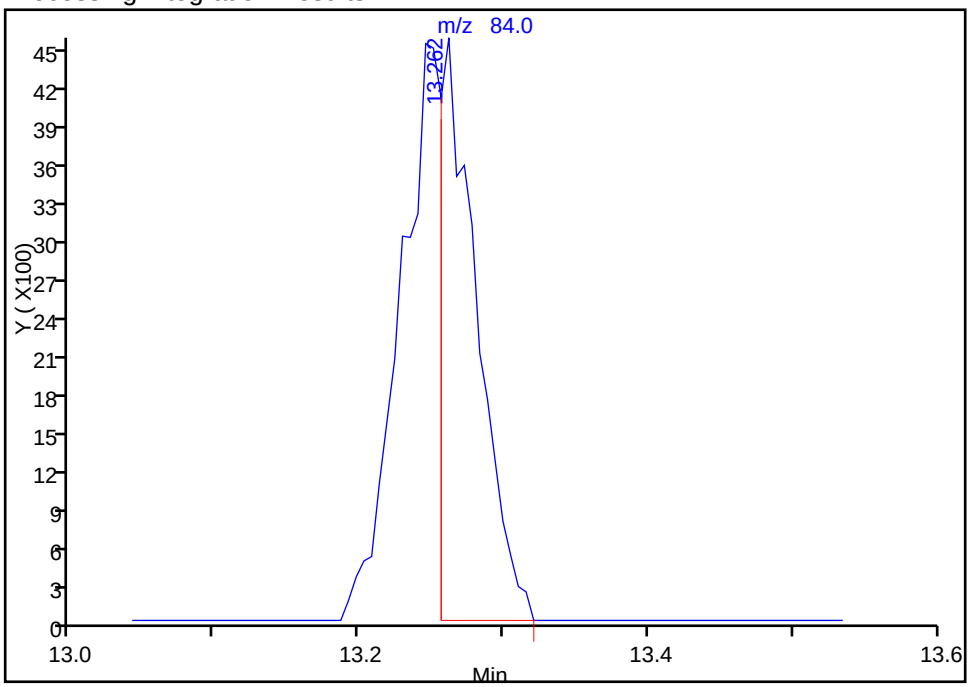
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d				
Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

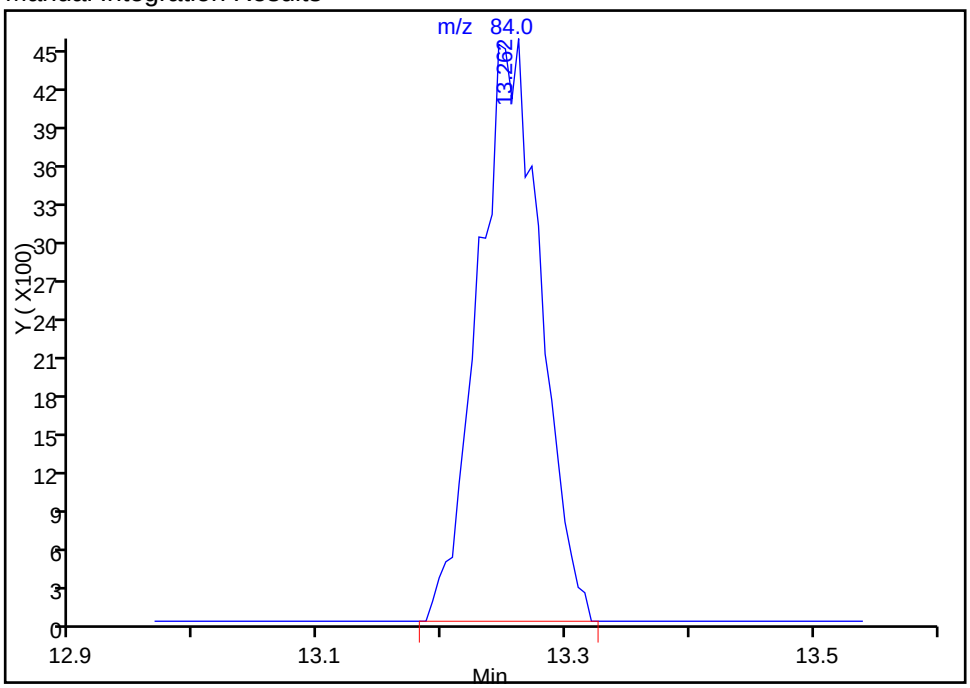
Processing Integration Results

RT: 13.26
Response: 8219
Amount: 0.115173



Manual Integration Results

RT: 13.26
Response: 16025
Amount: 0.224558



Reviewer: lyonsb, 18-Jul-2014 09:41:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

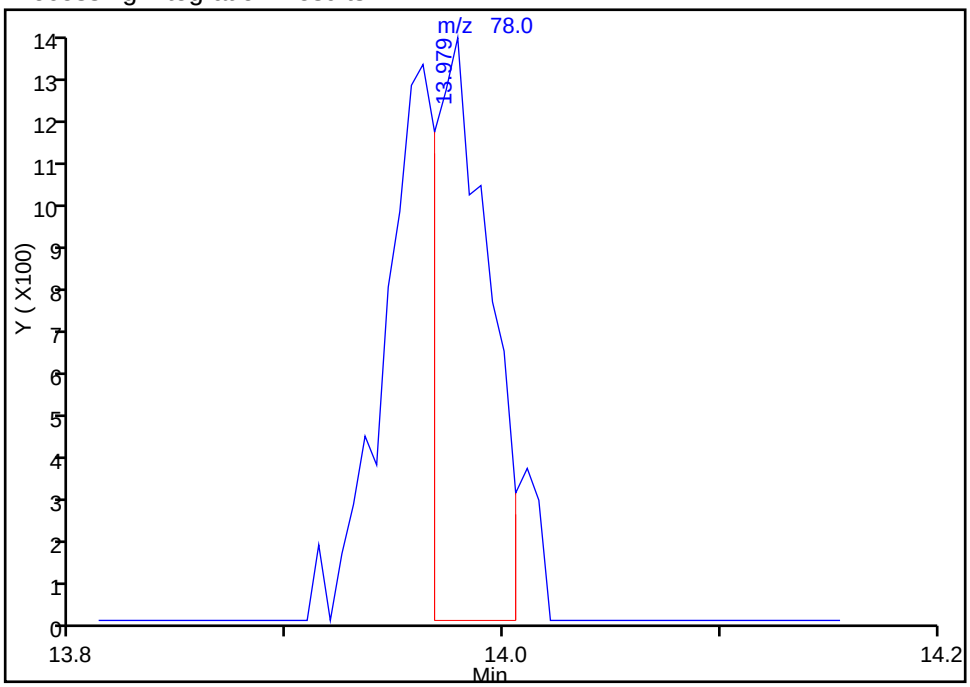
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d				
Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2

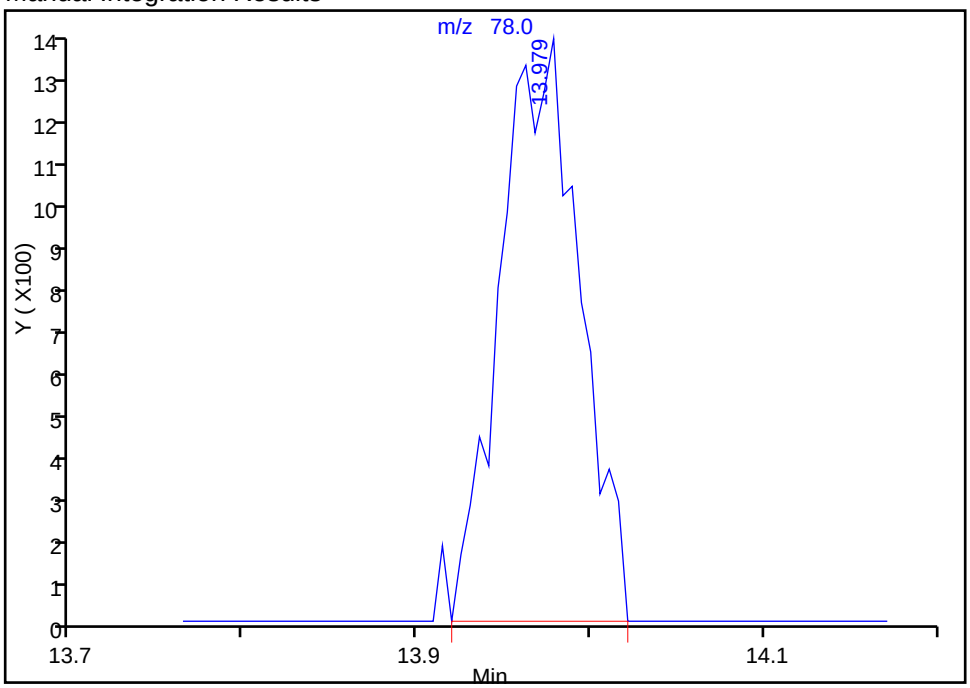
Processing Integration Results

RT: 13.98
Response: 2401
Amount: 0.015895



Manual Integration Results

RT: 13.98
Response: 4388
Amount: 0.029049



Reviewer: lyonsb, 18-Jul-2014 09:41:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

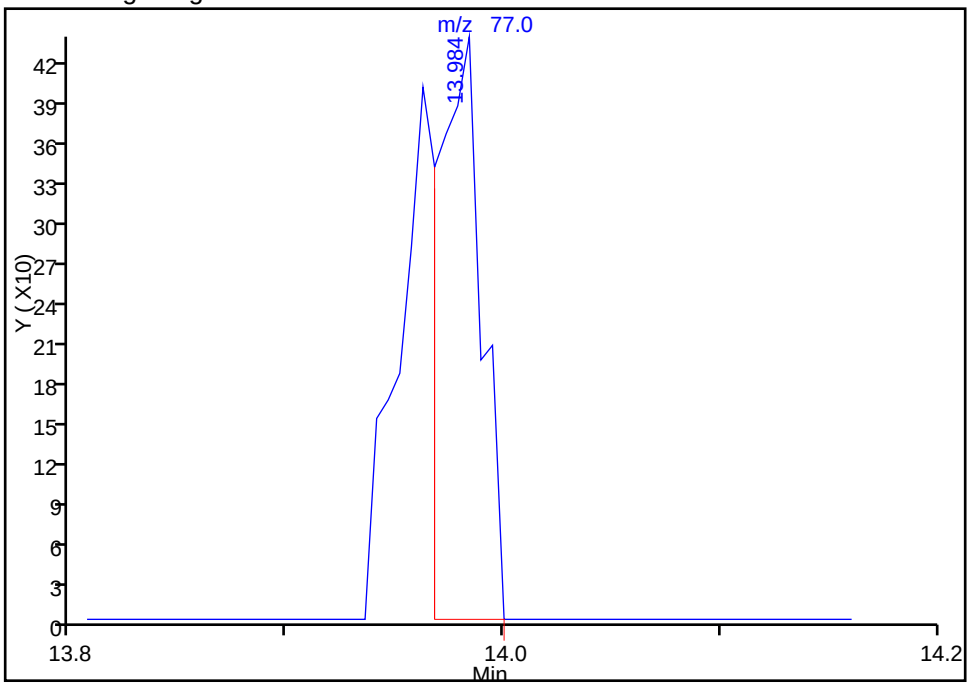
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_015.d				
Injection Date:	17-Jul-2014 22:25:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-11	Lab Sample ID:	200-23187-11		
Client ID:	SDS-6				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2

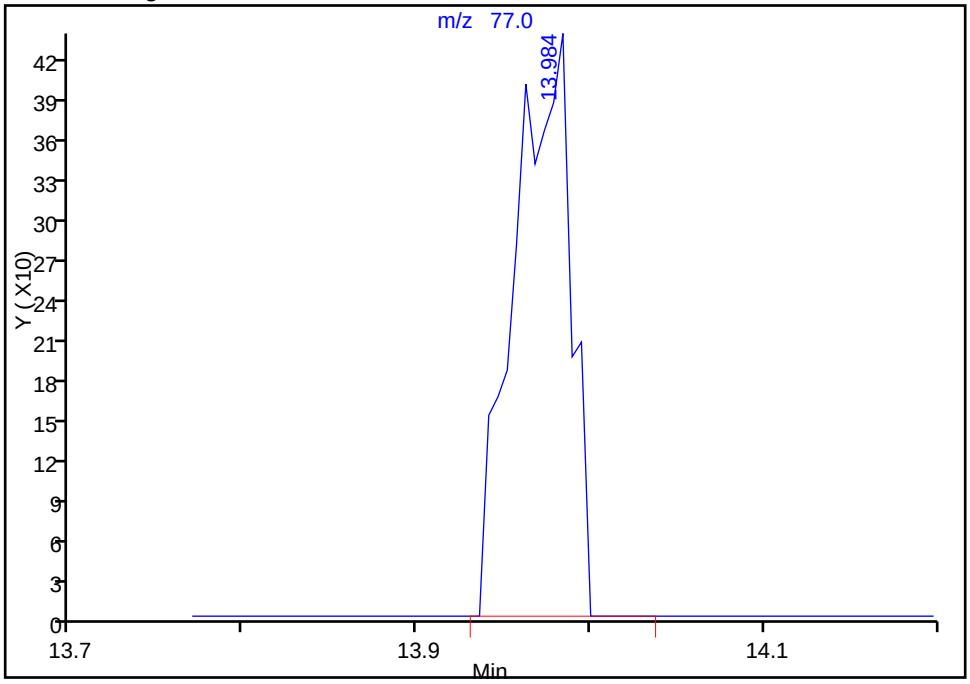
Processing Integration Results

RT: 13.98
Response: 620
Amount: 0.015895



Manual Integration Results

RT: 13.98
Response: 999
Amount: 0.029049



Reviewer: lyonsb, 18-Jul-2014 09:41:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-7 Lab Sample ID: 200-23187-12

Matrix: Air Lab File ID: 8602_023.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:45

Sample wt/vol: 160(mL) Date Analyzed: 07/18/2014 05:21

Soil Aliquot Vol: Dilution Factor: 1.25

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.51	J	0.63	0.038
75-45-6	Freon 22	86.47	0.41	J	0.63	0.060
76-14-2	Freon-114	170.92	0.25	U	0.25	0.044
74-87-3	Chloromethane	50.49	0.63	U	0.63	0.17
106-97-8	n-Butane	58.12	0.66		0.63	0.35
75-01-4	Vinyl chloride	62.50	0.050	U	0.050	0.048
106-99-0	1,3-Butadiene	54.09	0.25	U	0.25	0.053
74-83-9	Bromomethane	94.94	0.25	U	0.25	0.035
75-00-3	Chloroethane	64.52	0.63	U	0.63	0.038
593-60-2	Vinyl bromide	106.96	0.25	U	0.25	0.038
75-69-4	Freon 11	137.37	0.23	J	0.25	0.038
76-13-1	Freon 113	187.38	0.078	J	0.25	0.023
75-35-4	1,1-Dichloroethene	96.94	0.25	U	0.25	0.030
67-64-1	Acetone	58.08	2.9	J	6.3	1.6
67-63-0	Isopropyl alcohol	60.10	28		6.3	0.27
75-15-0	Carbon disulfide	76.14	0.63	U	0.63	0.083
107-05-1	Allyl chloride	76.53	0.63	U	0.63	0.043
75-09-2	Methylene Chloride	84.93	12		0.63	0.16
75-65-0	tert-Butyl alcohol	74.12	6.3	U	6.3	0.41
1634-04-4	Methyl tert-butyl ether	88.15	0.25	U	0.25	0.028
156-60-5	trans-1,2-Dichloroethene	96.94	0.050	J	0.25	0.036
110-54-3	Hexane	86.17	0.25	U	0.25	0.043
75-34-3	1,1-Dichloroethane	98.96	0.25	U	0.25	0.048
78-93-3	Methyl Ethyl Ketone	72.11	0.48	J	0.63	0.30
156-59-2	cis-1,2-Dichloroethene	96.94	0.086	J	0.25	0.048
540-59-0	1,2-Dichloroethene, Total	96.94	0.14	J	0.25	0.080
67-66-3	Chloroform	119.38	0.30		0.25	0.031
109-99-9	Tetrahydrofuran	72.11	6.3	U	6.3	0.058
71-55-6	1,1,1-Trichloroethane	133.41	0.10	J	0.25	0.026
110-82-7	Cyclohexane	84.16	0.24	J	0.25	0.031
56-23-5	Carbon tetrachloride	153.81	0.071		0.050	0.026
540-84-1	2,2,4-Trimethylpentane	114.23	0.25	U	0.25	0.034
71-43-2	Benzene	78.11	0.029	J	0.25	0.024
107-06-2	1,2-Dichloroethane	98.96	0.25	U	0.25	0.021
142-82-5	Heptane	100.21	0.25	U	0.25	0.058

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-7 Lab Sample ID: 200-23187-12

Matrix: Air Lab File ID: 8602_023.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:45

Sample wt/vol: 160(mL) Date Analyzed: 07/18/2014 05:21

Soil Aliquot Vol: Dilution Factor: 1.25

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.63		0.050	0.030
80-62-6	Methyl methacrylate	100.12	0.63	U	0.63	0.038
78-87-5	1,2-Dichloropropane	112.99	0.25	U	0.25	0.040
123-91-1	1,4-Dioxane	88.11	6.3	U	6.3	0.25
75-27-4	Bromodichloromethane	163.83	0.25	U	0.25	0.021
10061-01-5	cis-1,3-Dichloropropene	110.97	0.25	U	0.25	0.035
108-10-1	methyl isobutyl ketone	100.16	0.63	U	0.63	0.034
108-88-3	Toluene	92.14	0.096	J	0.25	0.021
10061-02-6	trans-1,3-Dichloropropene	110.97	0.25	U	0.25	0.028
79-00-5	1,1,2-Trichloroethane	133.41	0.25	U	0.25	0.021
127-18-4	Tetrachloroethene	165.83	0.26		0.25	0.020
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.63	U	0.63	0.25
124-48-1	Dibromochloromethane	208.29	0.25	U	0.25	0.025
106-93-4	1,2-Dibromoethane	187.87	0.25	U	0.25	0.025
108-90-7	Chlorobenzene	112.56	0.25	U	0.25	0.010
100-41-4	Ethylbenzene	106.17	0.044	J	0.25	0.016
179601-23-1	m,p-Xylene	106.17	0.13	J	0.63	0.029
95-47-6	Xylene, o-	106.17	0.043	J	0.25	0.020
1330-20-7	Xylene (total)	106.17	0.17	J	0.25	0.043
100-42-5	Styrene	104.15	0.040	J	0.25	0.023
75-25-2	Bromoform	252.75	0.25	U	0.25	0.013
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.25	U	0.25	0.020
103-65-1	n-Propylbenzene	120.19	0.25	U	0.25	0.10
622-96-8	4-Ethyltoluene	120.20	0.023	J	0.25	0.023
108-67-8	1,3,5-Trimethylbenzene	120.20	0.026	J	0.25	0.015
95-49-8	2-Chlorotoluene	126.59	0.25	U	0.25	0.016
98-06-6	tert-Butylbenzene	134.22	0.25	U	0.25	0.021
95-63-6	1,2,4-Trimethylbenzene	120.20	0.054	J	0.25	0.018
135-98-8	sec-Butylbenzene	134.22	0.25	U	0.25	0.10
99-87-6	4-Isopropyltoluene	134.22	0.25	U	0.25	0.10
541-73-1	1,3-Dichlorobenzene	147.00	0.047	J B	0.25	0.018
106-46-7	1,4-Dichlorobenzene	147.00	0.25	U	0.25	0.018
100-44-7	Benzyl chloride	126.58	0.25	U	0.25	0.10
104-51-8	n-Butylbenzene	134.22	0.25	U	0.25	0.10

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-7 Lab Sample ID: 200-23187-12

Matrix: Air Lab File ID: 8602_023.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:45

Sample wt/vol: 160(mL) Date Analyzed: 07/18/2014 05:21

Soil Aliquot Vol: Dilution Factor: 1.25

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.25	U	0.25	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.63	U	0.63	0.034
87-68-3	Hexachloro-1,3-butadiene	260.76	0.25	U	0.25	0.028
91-20-3	Naphthalene	128.17	0.63	U	0.63	0.25

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-7 Lab Sample ID: 200-23187-12

Matrix: Air Lab File ID: 8602_023.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:45

Sample wt/vol: 160(mL) Date Analyzed: 07/18/2014 05:21

Soil Aliquot Vol: Dilution Factor: 1.25

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	J	3.1	0.19
75-45-6	Freon 22	86.47	1.4	J	2.2	0.21
76-14-2	Freon-114	170.92	1.7	U	1.7	0.31
74-87-3	Chloromethane	50.49	1.3	U	1.3	0.35
106-97-8	n-Butane	58.12	1.6		1.5	0.84
75-01-4	Vinyl chloride	62.50	0.13	U	0.13	0.12
106-99-0	1,3-Butadiene	54.09	0.55	U	0.55	0.12
74-83-9	Bromomethane	94.94	0.97	U	0.97	0.14
75-00-3	Chloroethane	64.52	1.6	U	1.6	0.099
593-60-2	Vinyl bromide	106.96	1.1	U	1.1	0.16
75-69-4	Freon 11	137.37	1.3	J	1.4	0.21
76-13-1	Freon 113	187.38	0.60	J	1.9	0.17
75-35-4	1,1-Dichloroethene	96.94	0.99	U	0.99	0.12
67-64-1	Acetone	58.08	6.8	J	15	3.7
67-63-0	Isopropyl alcohol	60.10	70		15	0.66
75-15-0	Carbon disulfide	76.14	1.9	U	1.9	0.26
107-05-1	Allyl chloride	76.53	2.0	U	2.0	0.13
75-09-2	Methylene Chloride	84.93	40		2.2	0.54
75-65-0	tert-Butyl alcohol	74.12	19	U	19	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.90	U	0.90	0.099
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	J	0.99	0.14
110-54-3	Hexane	86.17	0.88	U	0.88	0.15
75-34-3	1,1-Dichloroethane	98.96	1.0	U	1.0	0.19
78-93-3	Methyl Ethyl Ketone	72.11	1.4	J	1.8	0.89
156-59-2	cis-1,2-Dichloroethene	96.94	0.34	J	0.99	0.19
540-59-0	1,2-Dichloroethene, Total	96.94	0.54	J	0.99	0.32
67-66-3	Chloroform	119.38	1.5		1.2	0.15
109-99-9	Tetrahydrofuran	72.11	18	U	18	0.17
71-55-6	1,1,1-Trichloroethane	133.41	0.57	J	1.4	0.14
110-82-7	Cyclohexane	84.16	0.82	J	0.86	0.11
56-23-5	Carbon tetrachloride	153.81	0.45		0.31	0.17
540-84-1	2,2,4-Trimethylpentane	114.23	1.2	U	1.2	0.16
71-43-2	Benzene	78.11	0.093	J	0.80	0.076
107-06-2	1,2-Dichloroethane	98.96	1.0	U	1.0	0.086
142-82-5	Heptane	100.21	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-7 Lab Sample ID: 200-23187-12

Matrix: Air Lab File ID: 8602_023.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:45

Sample wt/vol: 160(mL) Date Analyzed: 07/18/2014 05:21

Soil Aliquot Vol: Dilution Factor: 1.25

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	3.4		0.27	0.16
80-62-6	Methyl methacrylate	100.12	2.6	U	2.6	0.15
78-87-5	1,2-Dichloropropane	112.99	1.2	U	1.2	0.18
123-91-1	1,4-Dioxane	88.11	23	U	23	0.90
75-27-4	Bromodichloromethane	163.83	1.7	U	1.7	0.14
10061-01-5	cis-1,3-Dichloropropene	110.97	1.1	U	1.1	0.16
108-10-1	methyl isobutyl ketone	100.16	2.6	U	2.6	0.14
108-88-3	Toluene	92.14	0.36	J	0.94	0.080
10061-02-6	trans-1,3-Dichloropropene	110.97	1.1	U	1.1	0.12
79-00-5	1,1,2-Trichloroethane	133.41	1.4	U	1.4	0.12
127-18-4	Tetrachloroethene	165.83	1.8		1.7	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.6	U	2.6	1.0
124-48-1	Dibromochloromethane	208.29	2.1	U	2.1	0.21
106-93-4	1,2-Dibromoethane	187.87	1.9	U	1.9	0.19
108-90-7	Chlorobenzene	112.56	1.2	U	1.2	0.047
100-41-4	Ethylbenzene	106.17	0.19	J	1.1	0.071
179601-23-1	m,p-Xylene	106.17	0.55	J	2.7	0.12
95-47-6	Xylene, o-	106.17	0.19	J	1.1	0.087
1330-20-7	Xylene (total)	106.17	0.75	J	1.1	0.18
100-42-5	Styrene	104.15	0.17	J	1.1	0.096
75-25-2	Bromoform	252.75	2.6	U	2.6	0.13
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.7	U	1.7	0.14
103-65-1	n-Propylbenzene	120.19	1.2	U	1.2	0.49
622-96-8	4-Ethyltoluene	120.20	0.11	J	1.2	0.11
108-67-8	1,3,5-Trimethylbenzene	120.20	0.13	J	1.2	0.074
95-49-8	2-Chlorotoluene	126.59	1.3	U	1.3	0.084
98-06-6	tert-Butylbenzene	134.22	1.4	U	1.4	0.12
95-63-6	1,2,4-Trimethylbenzene	120.20	0.27	J	1.2	0.086
135-98-8	sec-Butylbenzene	134.22	1.4	U	1.4	0.55
99-87-6	4-Isopropyltoluene	134.22	1.4	U	1.4	0.55
541-73-1	1,3-Dichlorobenzene	147.00	0.28	J B	1.5	0.11
106-46-7	1,4-Dichlorobenzene	147.00	1.5	U	1.5	0.11
100-44-7	Benzyl chloride	126.58	1.3	U	1.3	0.52
104-51-8	n-Butylbenzene	134.22	1.4	U	1.4	0.55

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-7 Lab Sample ID: 200-23187-12

Matrix: Air Lab File ID: 8602_023.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:45

Sample wt/vol: 160(mL) Date Analyzed: 07/18/2014 05:21

Soil Aliquot Vol: Dilution Factor: 1.25

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.5	U	1.5	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	4.6	U	4.6	0.25
87-68-3	Hexachloro-1,3-butadiene	260.76	2.7	U	2.7	0.29
91-20-3	Naphthalene	128.17	3.3	U	3.3	1.3

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d
Lims ID: 200-23187-A-12 Lab Sample ID: 200-23187-12
Client ID: SDS-7
Sample Type: Client
Inject. Date: 18-Jul-2014 05:21:30 ALS Bottle#: 6 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.2500
Sample Info: 200-0008602-023
Misc. Info.: 200-23187-a-12
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Jul-2014 10:06:54 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 18-Jul-2014 10:02:04

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85	4.483	4.488	-0.005	99	58956	0.4089	
	6 Chlorodifluoromethane	51	4.552	4.552	0.000	96	23577	0.3271	
	7 1,2-Dichloro-1,1,2,2-tetra	85		4.836				ND	
	8 Chloromethane	50		5.034				ND	
	9 Butane	43	5.291	5.291	0.001	98	37309	0.5278	
	10 Vinyl chloride	62		5.349				ND	
	11 Butadiene	54		5.446				ND	
	12 Bromomethane	94		6.318				ND	
	14 Chloroethane	64		6.601				ND	
	16 Vinyl bromide	106		7.077				ND	
	17 Trichlorofluoromethane	101	7.195	7.190	0.005	98	29120	0.1831	
	23 1,1,2-Trichloro-1,2,2-trif	101	8.436	8.436	0.000	93	7656	0.0628	
	24 1,1-Dichloroethene	96		8.511				ND	
	25 Acetone	43	8.747	8.741	0.006	90	172446	2.29	
	26 Carbon disulfide	76		9.003				ND	
	27 Isopropyl alcohol	45	9.019	9.025	-0.006	98	1437393	22.6	
	29 3-Chloro-1-propene	41		9.399				ND	
	31 Methylene Chloride	49	9.726	9.731	-0.005	83	477470	9.25	
	32 2-Methyl-2-propanol	59		9.897				ND	
	33 Methyl tert-butyl ether	73		10.148				ND	
S	41 1,2-Dichloroethene, Total	61				0		0.1089	
	34 trans-1,2-Dichloroethene	61	10.228	10.228	0.000	81	2866	0.0399	
	36 Hexane	57		10.640				ND	
	37 1,1-Dichloroethane	63		11.191				ND	
	39 cis-1,2-Dichloroethene	96	12.368	12.363	0.005	34	4634	0.0689	
	40 2-Butanone (MEK)	72	12.368	12.379	-0.011	97	12301	0.3873	
	44 Tetrahydrofuran	42		12.839				ND	
*	43 Chlorobromomethane	128	12.844	12.850	-0.006	75	493033	10.0	
	45 Chloroform	83	12.951	12.957	-0.006	99	28166	0.2400	
	46 Cyclohexane	84	13.256	13.256	0.000	83	16740	0.1895	
	47 1,1,1-Trichloroethane	97	13.272	13.262	0.010	73	10542	0.0837	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	13.513	13.524	-0.011	96	7816	0.0566	
51 Isooctane	57		13.909				ND	
50 Benzene	78	13.973	13.973	0.000	88	4342	0.0232	M
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.262				ND	
* 54 1,4-Difluorobenzene	114	14.727	14.727	0.000	92	2383667	10.0	
56 Trichloroethene	95	15.193	15.198	-0.005	93	43932	0.5015	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.888				ND	
62 Dichlorobromomethane	83		16.209				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.301				ND	
66 Toluene	92	17.643	17.638	0.005	94	11603	0.0766	M
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166	18.676	18.681	-0.005	95	32892	0.2097	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.1361	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	81	2131316	10.0	
77 Chlorobenzene	112		20.478				ND	
78 Ethylbenzene	91	20.596	20.596	0.000	95	10565	0.0351	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	99	13102	0.1018	
83 o-Xylene	106	21.527	21.527	0.000	93	4516	0.0344	
84 Styrene	104	21.570	21.564	0.006	44	6098	0.0320	M
85 Bromoform	173		21.949				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.436	-0.010	98	1341598	NC	
88 1,1,2,2-Tetrachloroethane	83		22.666				ND	
90 N-Propylbenzene	91		22.741				ND	
91 4-Ethyltoluene	105	22.886	22.907	-0.021	95	6633	0.0186	
92 2-Chlorotoluene	91		22.945				ND	
94 1,3,5-Trimethylbenzene	105	22.987	22.998	-0.011	95	6322	0.0207	
96 tert-Butylbenzene	119		23.474				ND	
97 1,2,4-Trimethylbenzene	105	23.549	23.565	-0.016	95	13358	0.0435	
98 sec-Butylbenzene	105		23.806				ND	
99 4-Isopropyltoluene	119		24.009				ND	
100 1,3-Dichlorobenzene	146	24.068	24.079	-0.011	45	8999	0.0379	
101 1,4-Dichlorobenzene	146		24.223				ND	
102 Benzyl chloride	91		24.432				ND	
103 n-Butylbenzene	91		24.640				ND	
105 1,2-Dichlorobenzene	146		24.828				ND	
107 1,2,4-Trichlorobenzene	180		27.706				ND	
108 Hexachlorobutadiene	225		27.904				ND	
109 Naphthalene	128		28.289				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

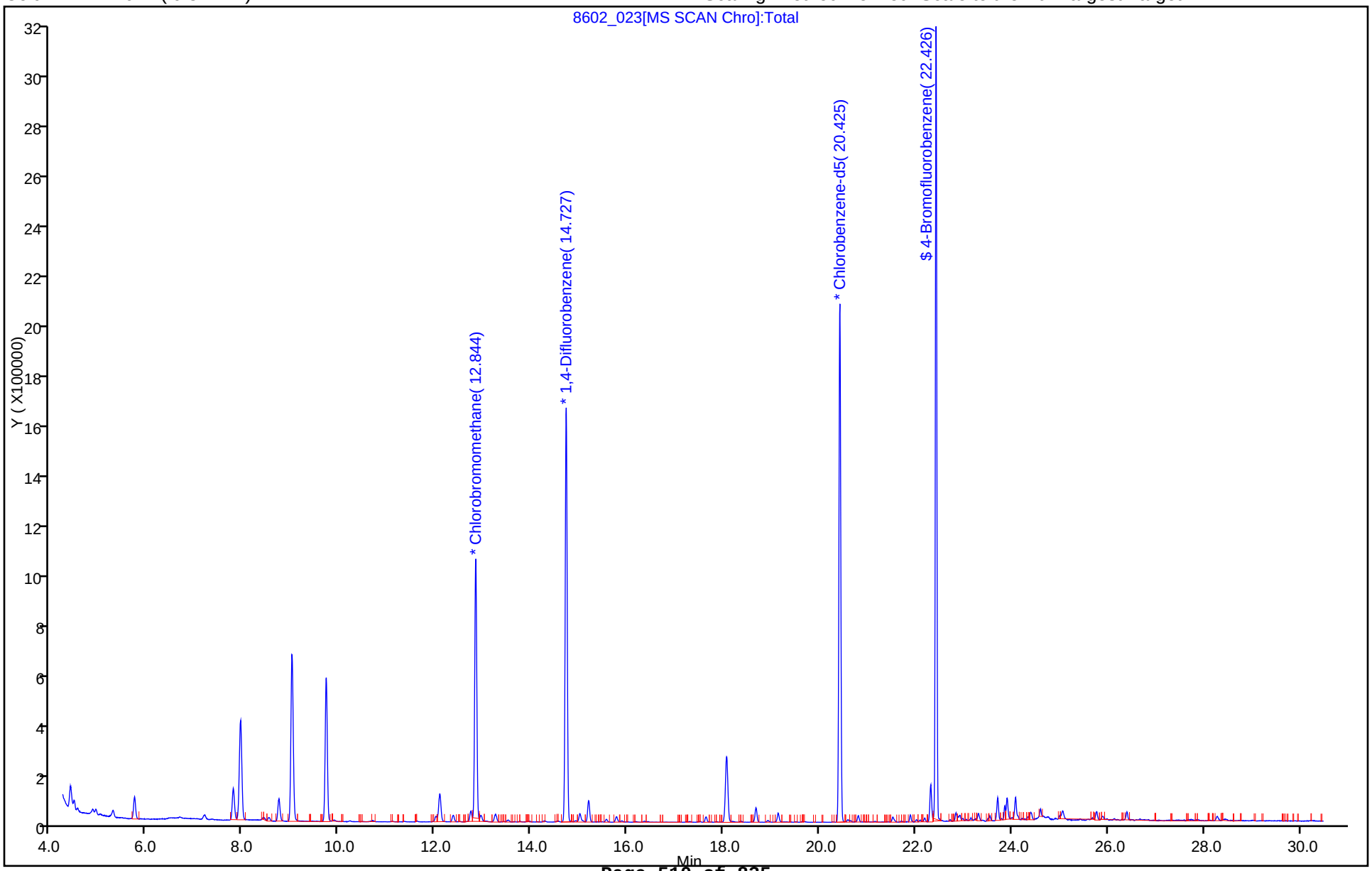
Report Date: 18-Jul-2014 10:17:29 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12	Worklist Smp#:	23
Client ID:	SDS-7				
Purge Vol:	200.000 mL	Dil. Factor:	1.2500	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



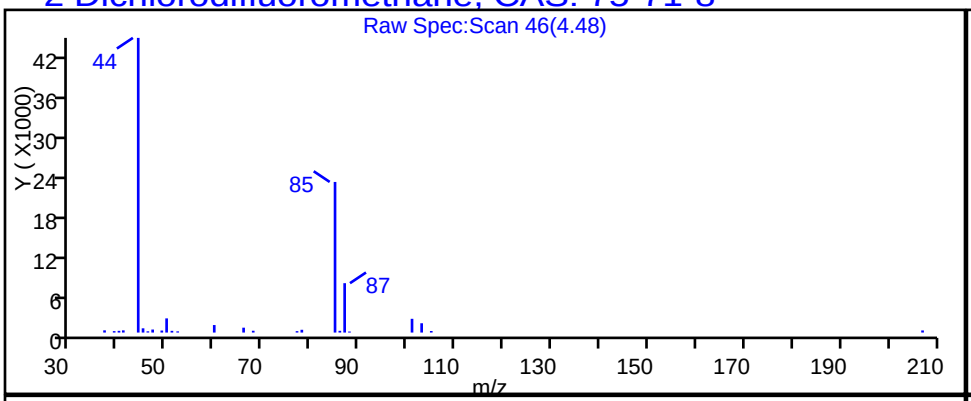
Report Date: 18-Jul-2014 10:17:29 Chrom Revision: 2.2 24-Jun-2014 07:21:42

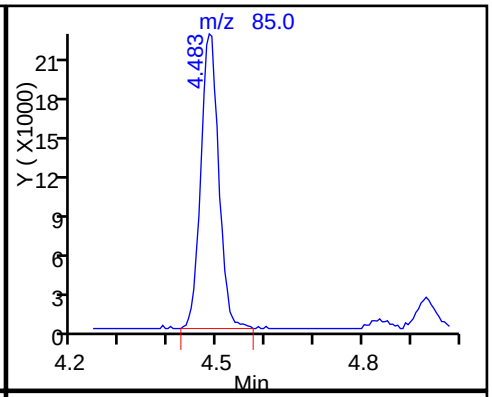
TestAmerica Burlington

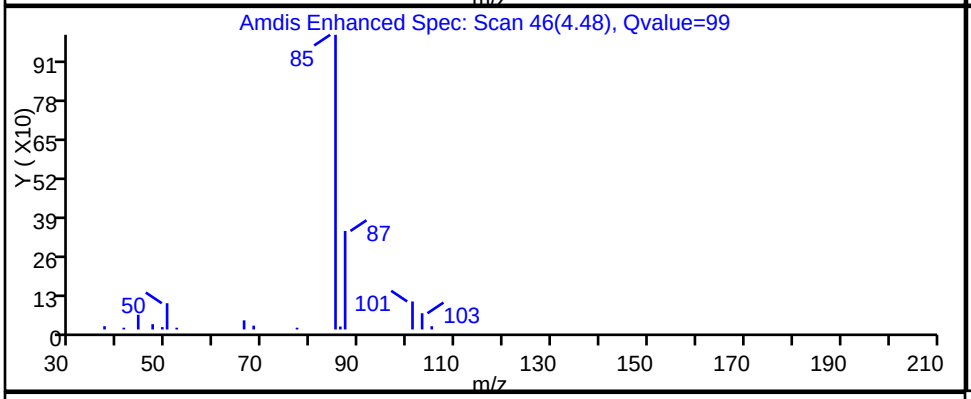
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

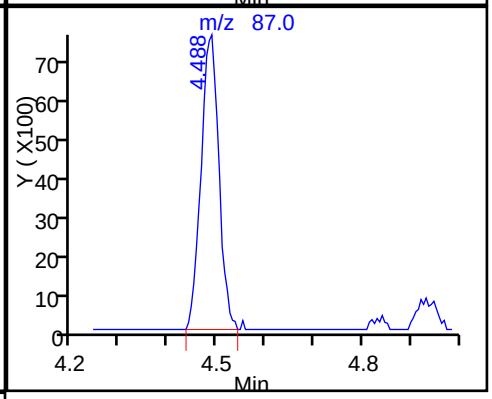
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

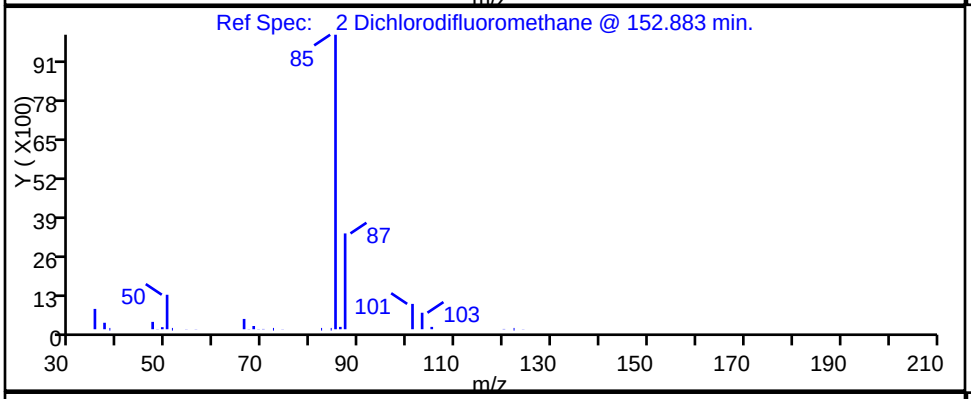
2 Dichlorodifluoromethane, CAS: 75-71-8

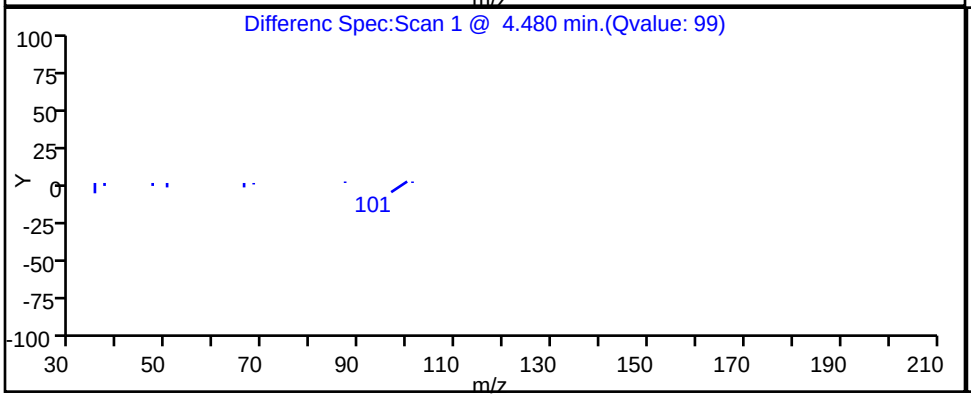


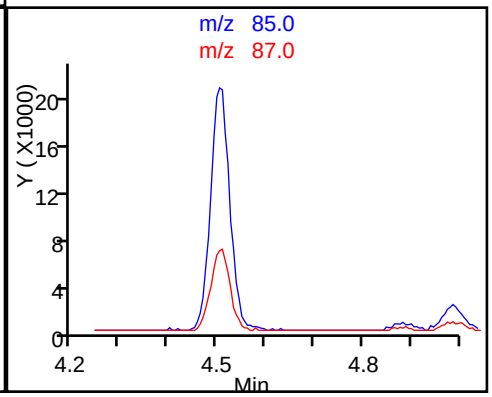












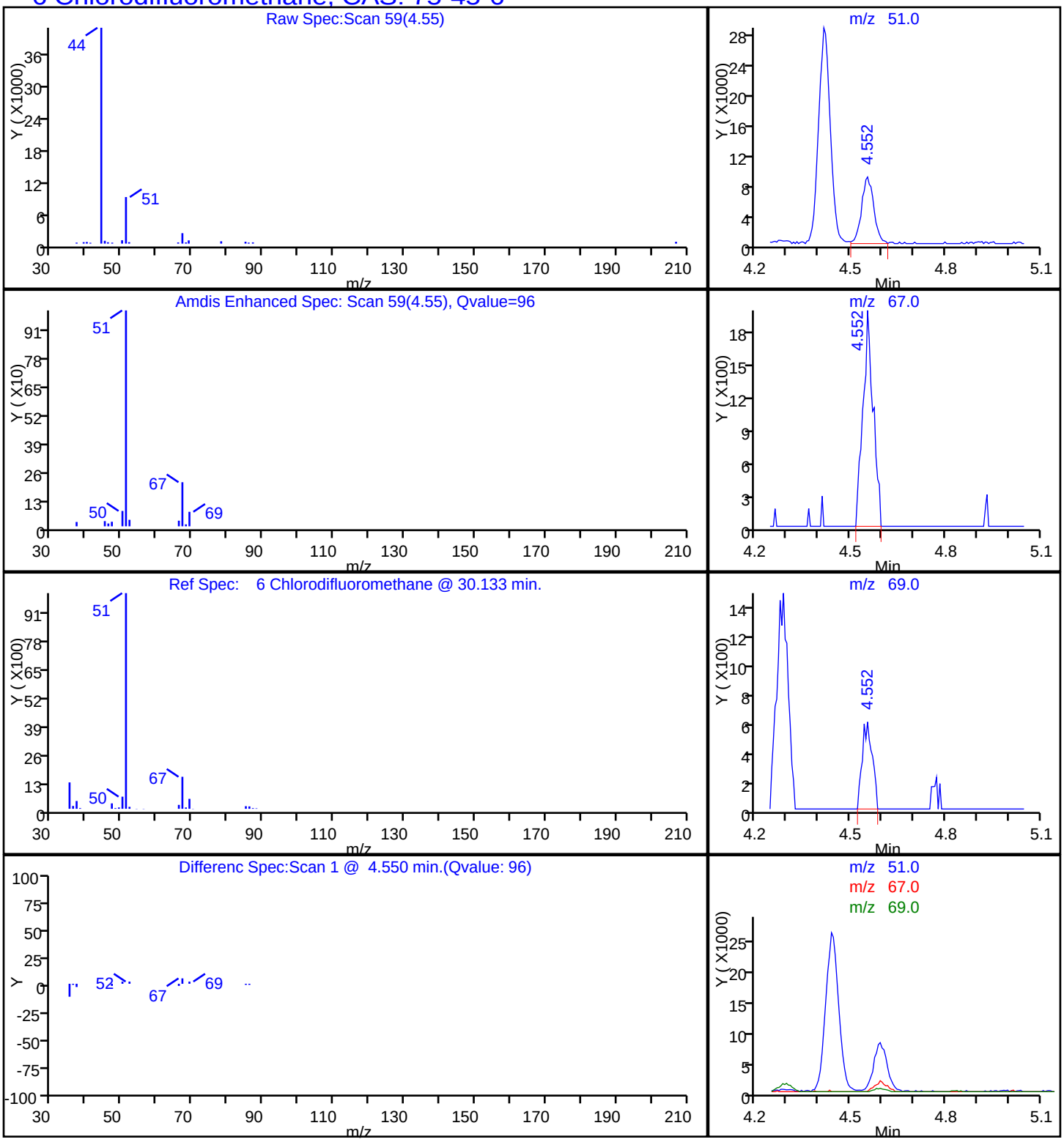
Report Date: 18-Jul-2014 10:17:29 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



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TestAmerica Burlington

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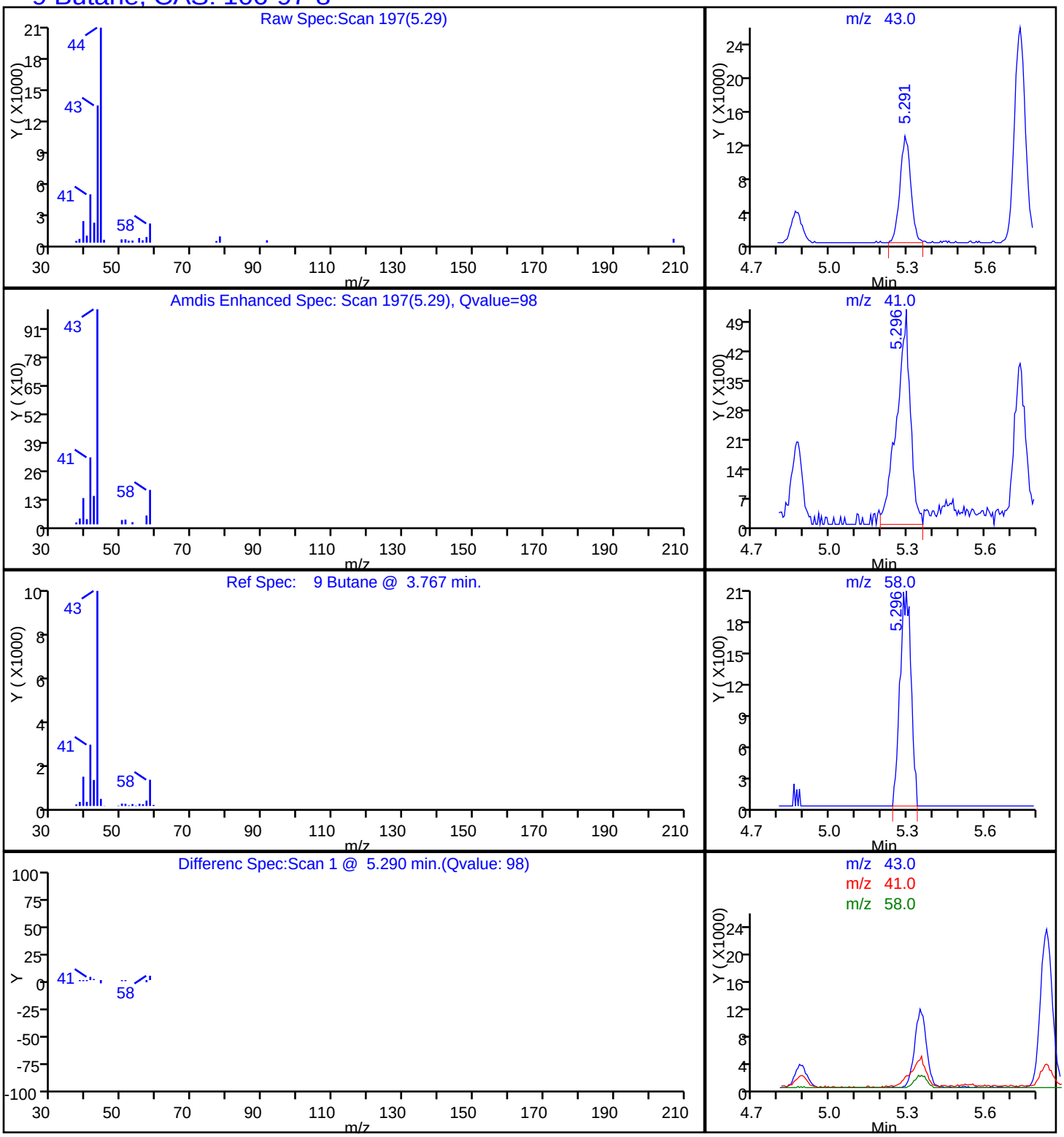
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



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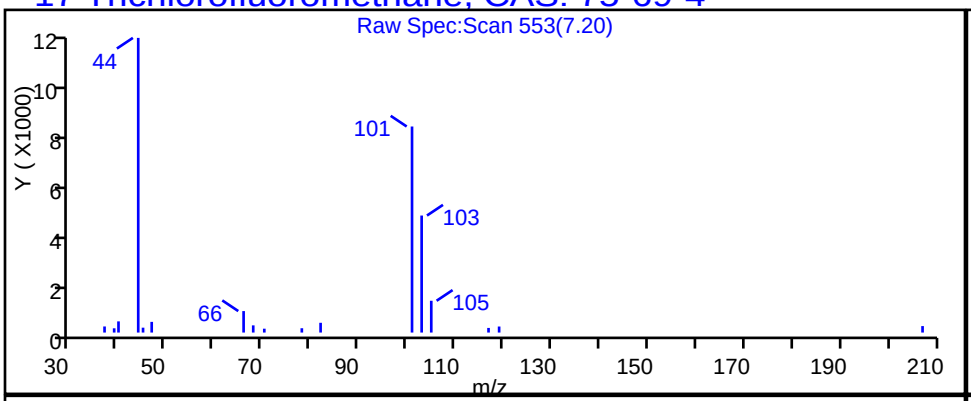
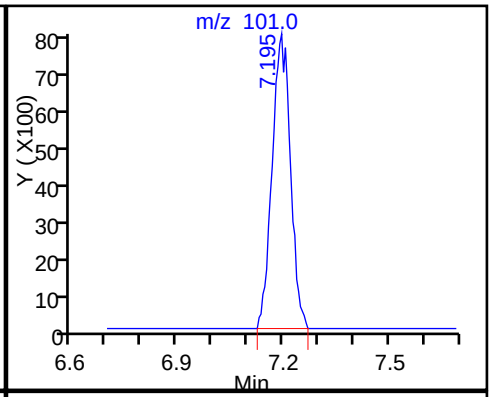
TestAmerica Burlington

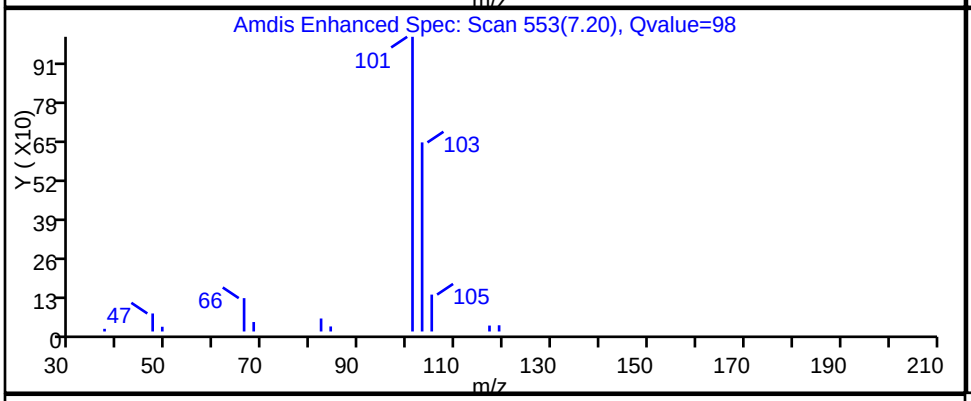
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

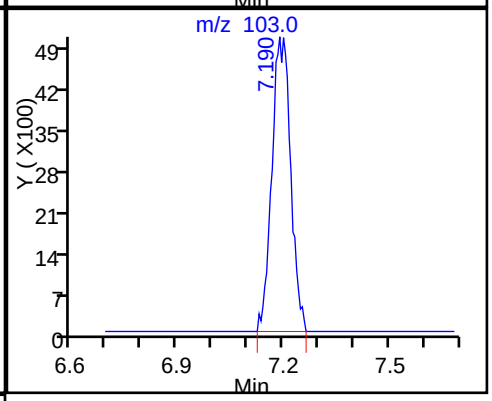
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

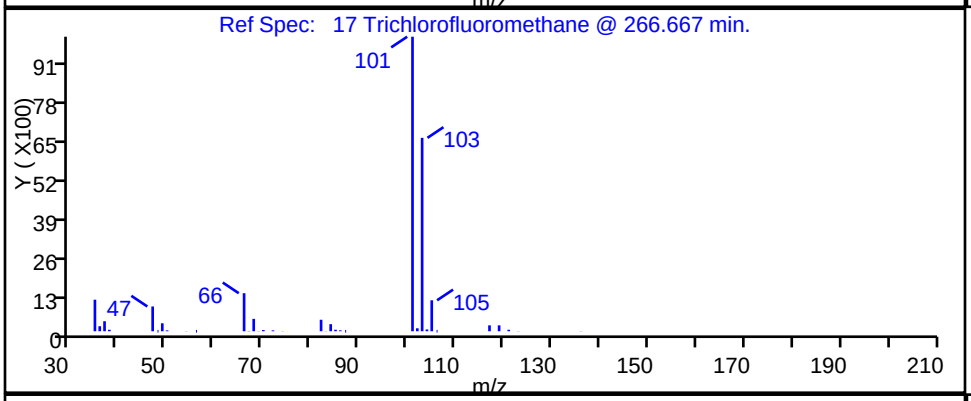
17 Trichlorofluoromethane, CAS: 75-69-4

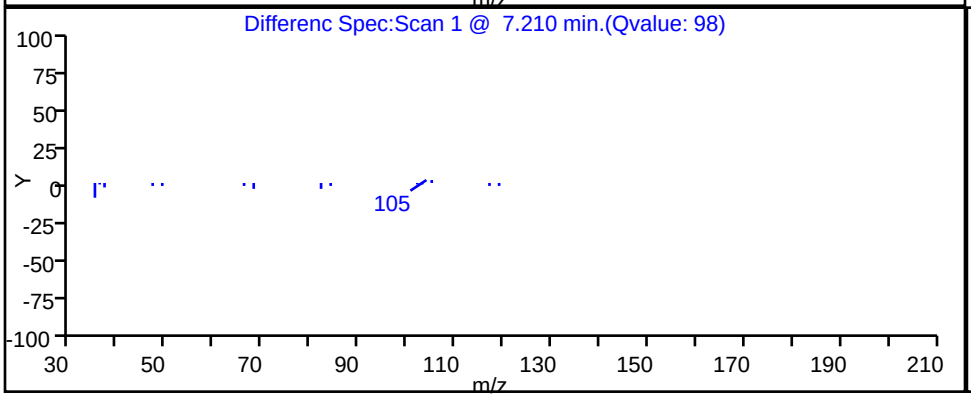


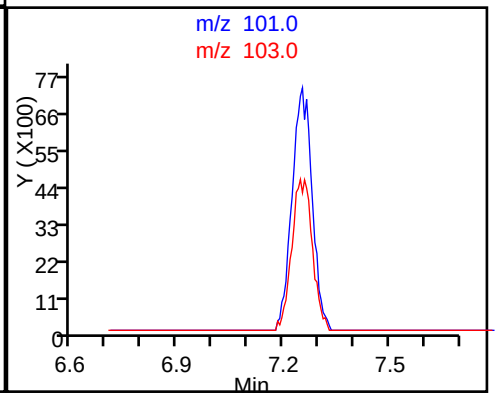












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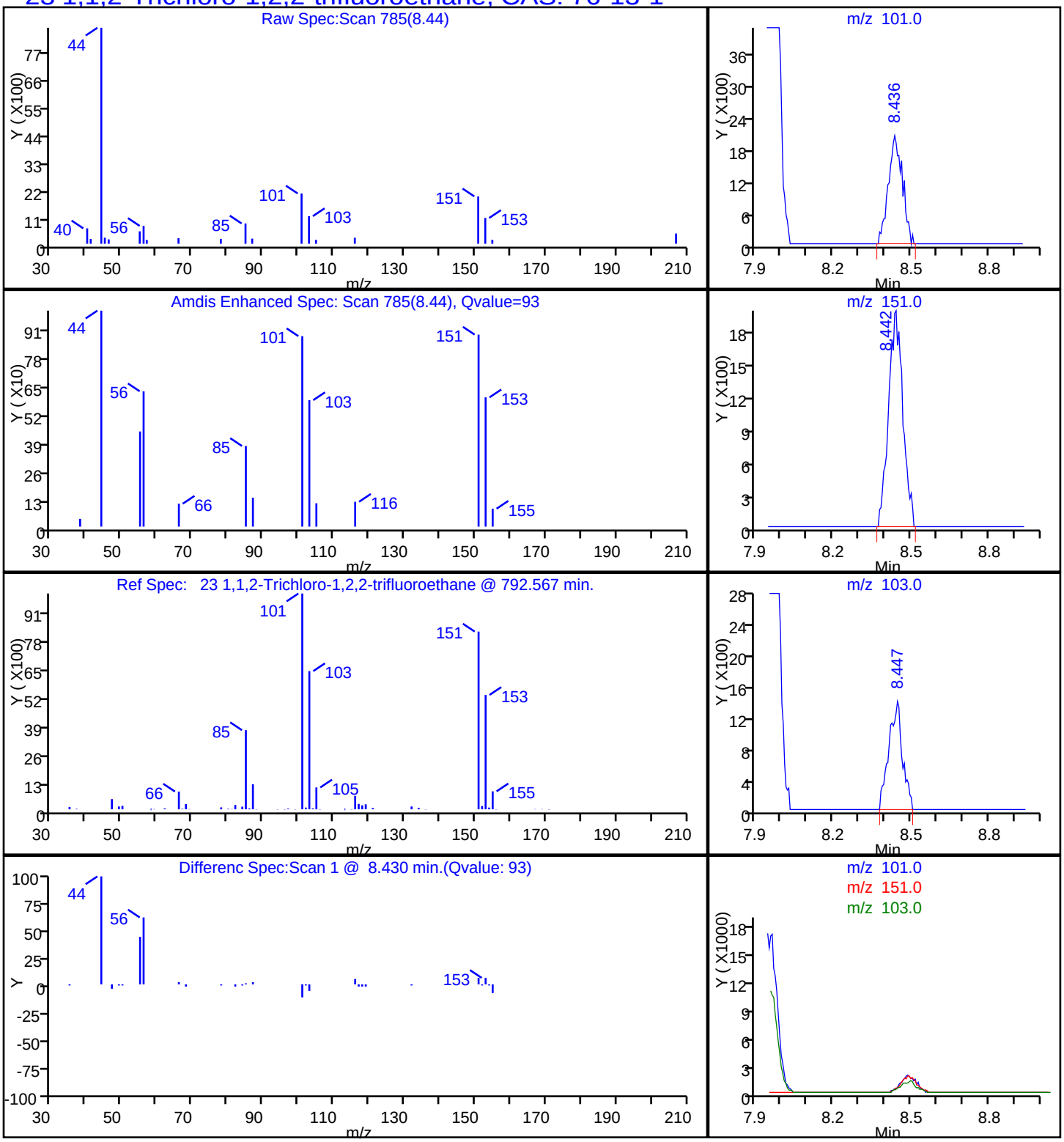
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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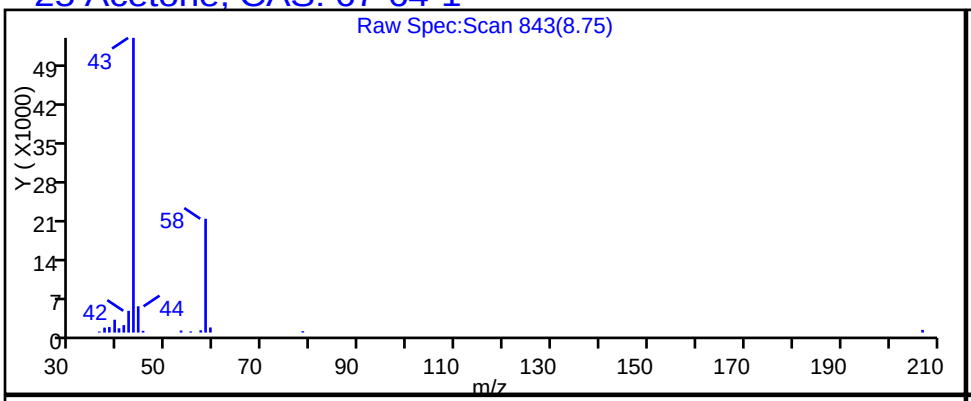
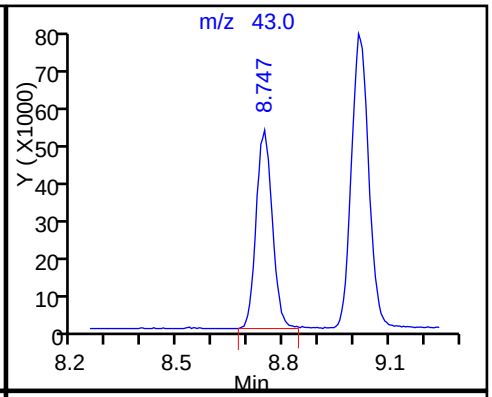
TestAmerica Burlington

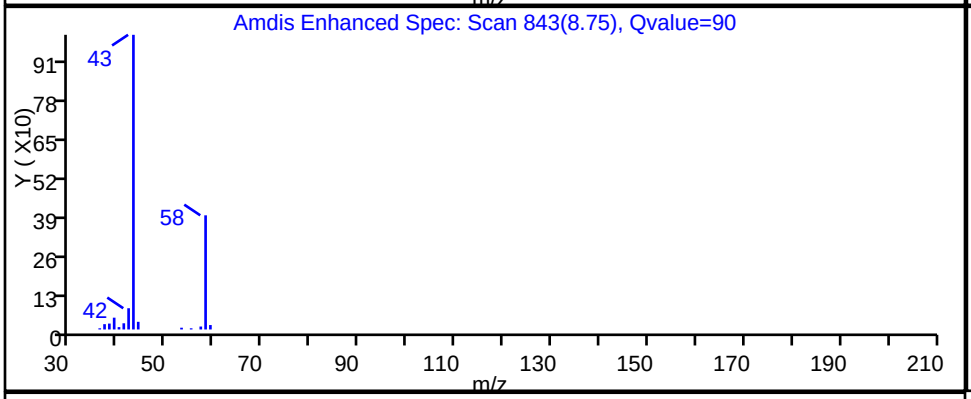
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

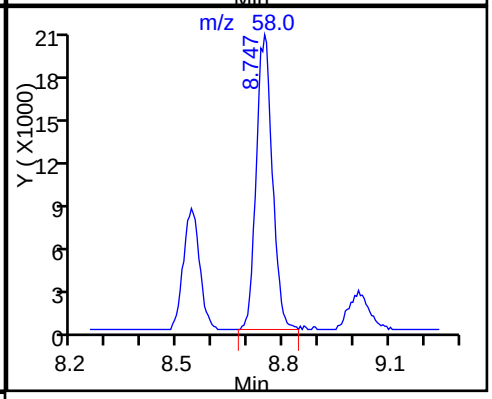
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

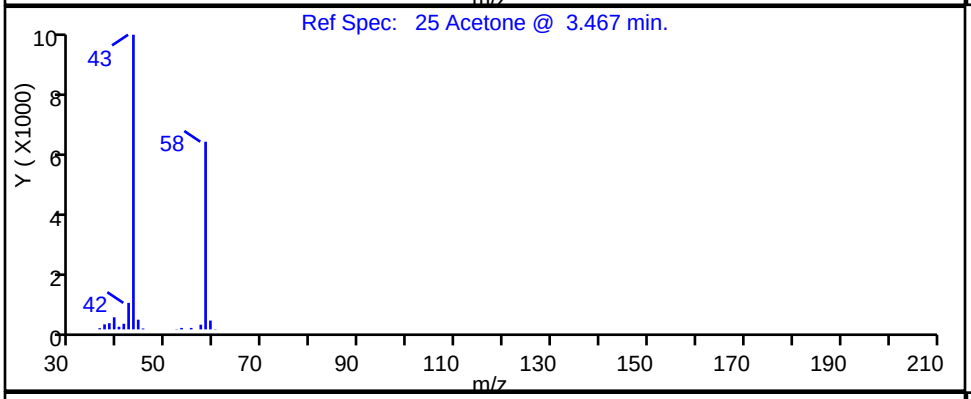
25 Acetone, CAS: 67-64-1

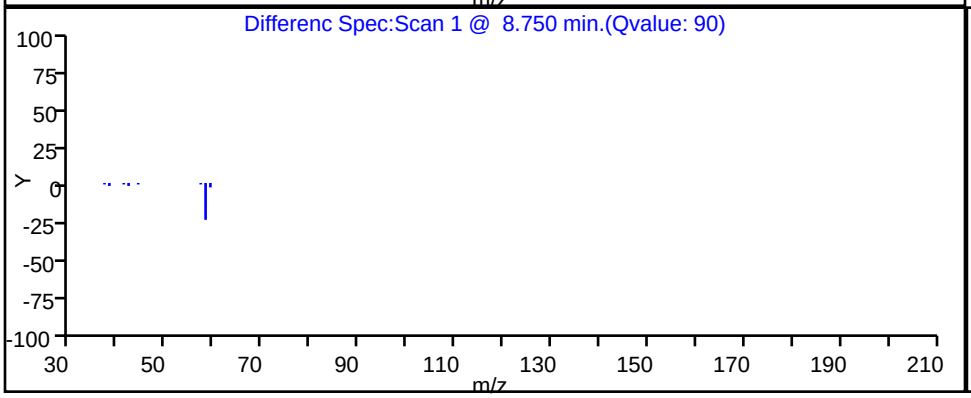


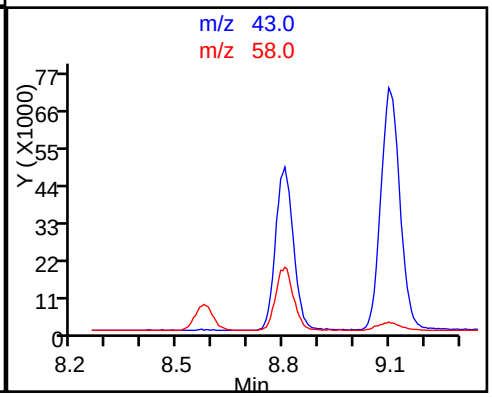












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TestAmerica Burlington

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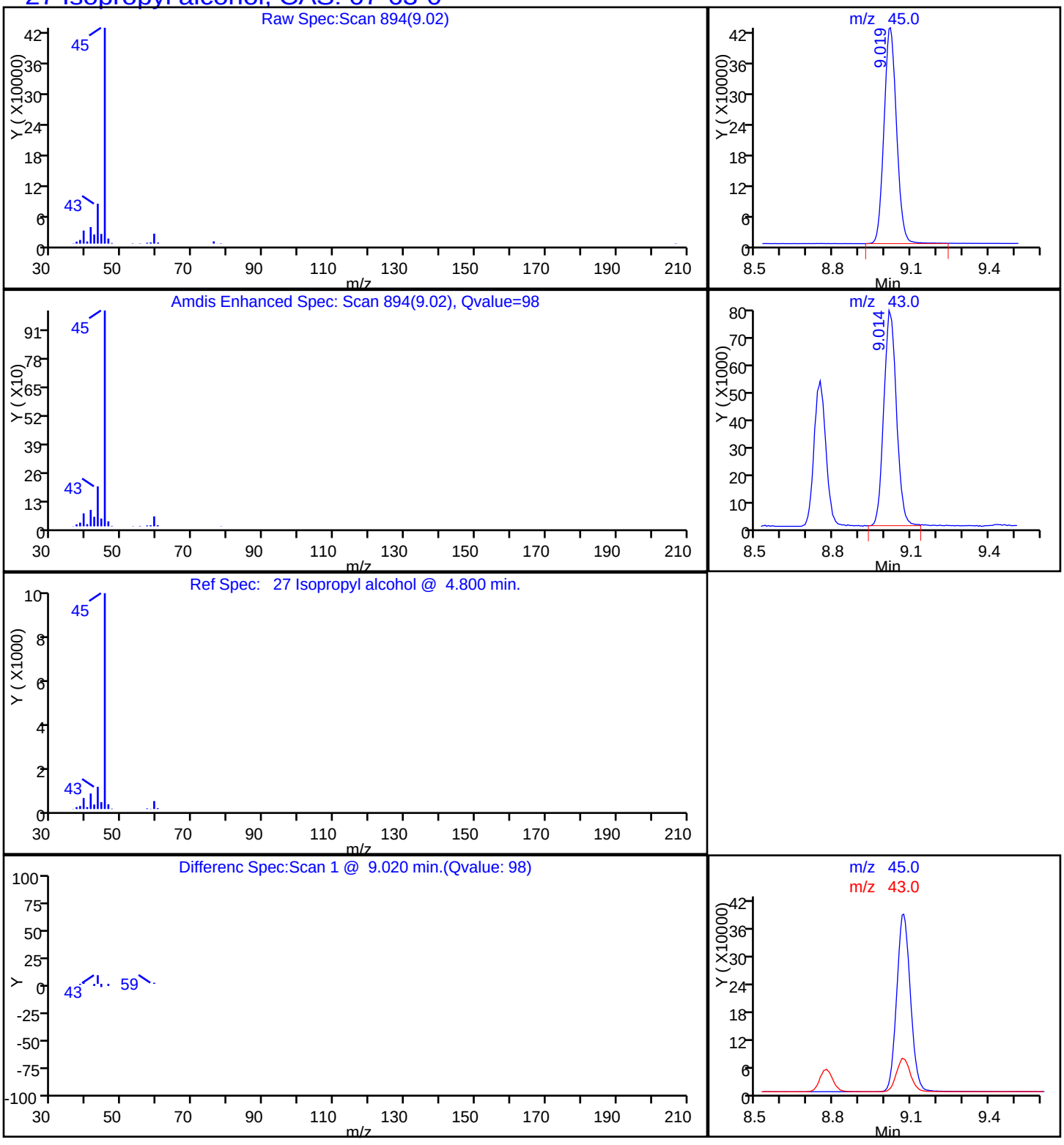
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



Report Date: 18-Jul-2014 10:17:30 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

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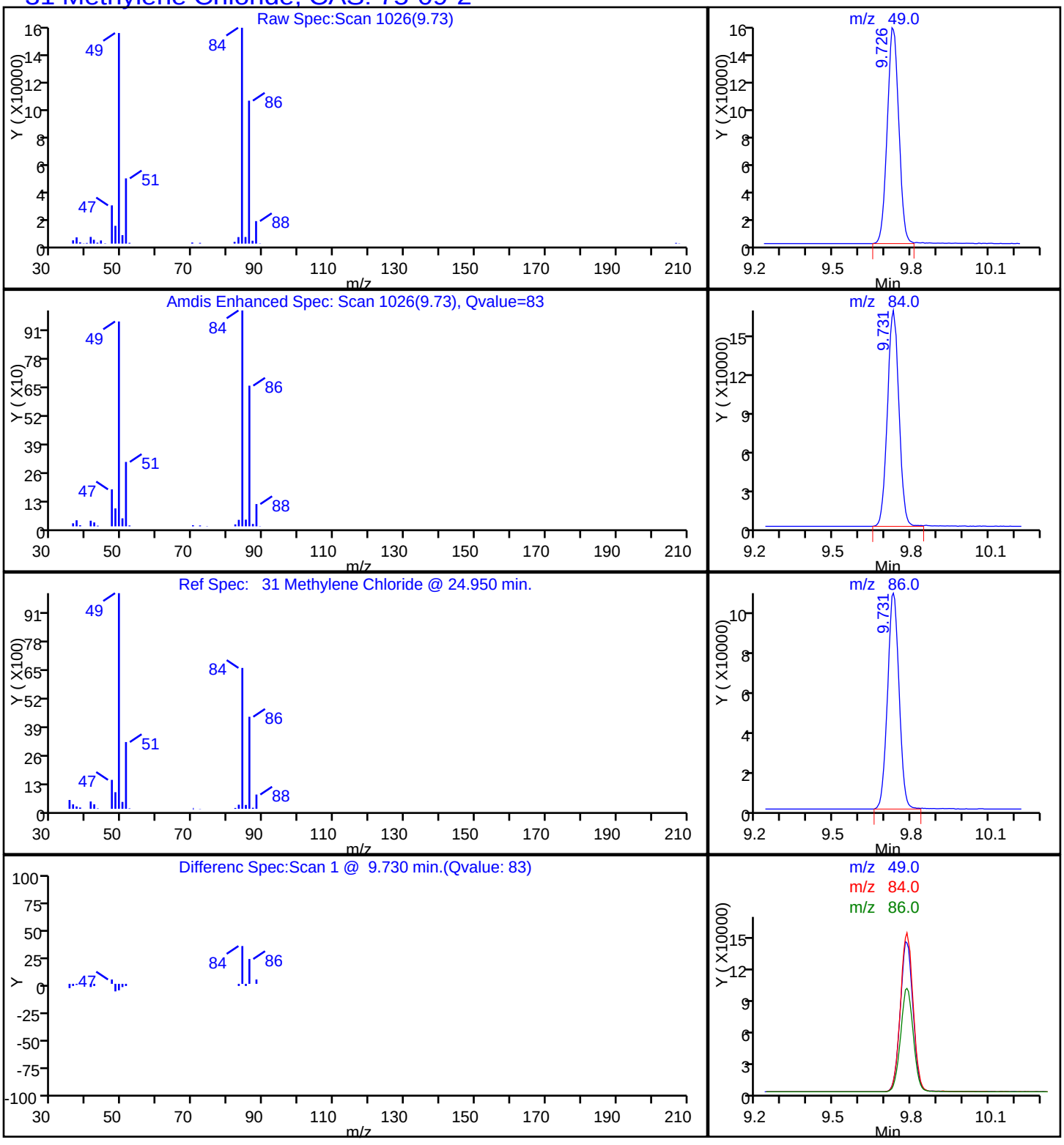
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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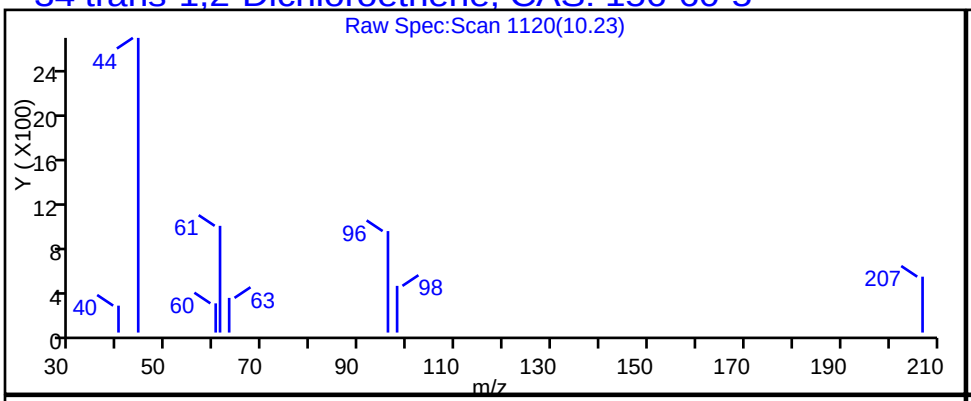
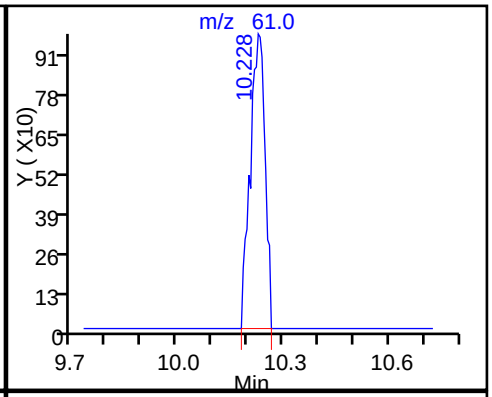
TestAmerica Burlington

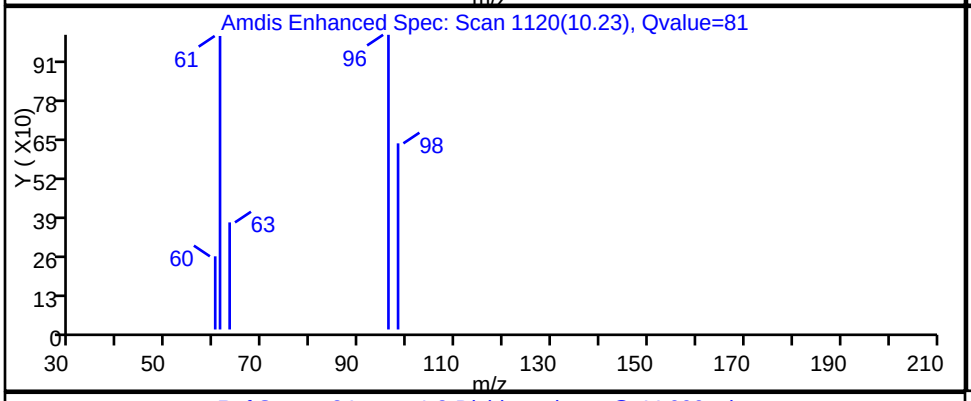
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

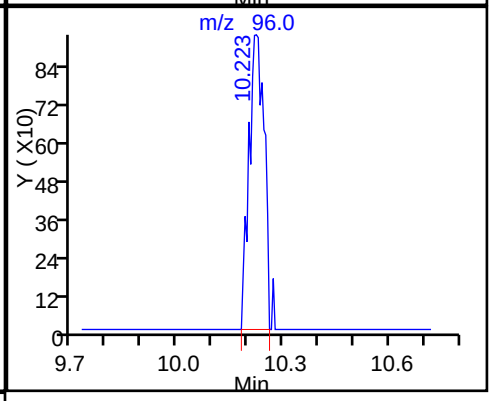
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

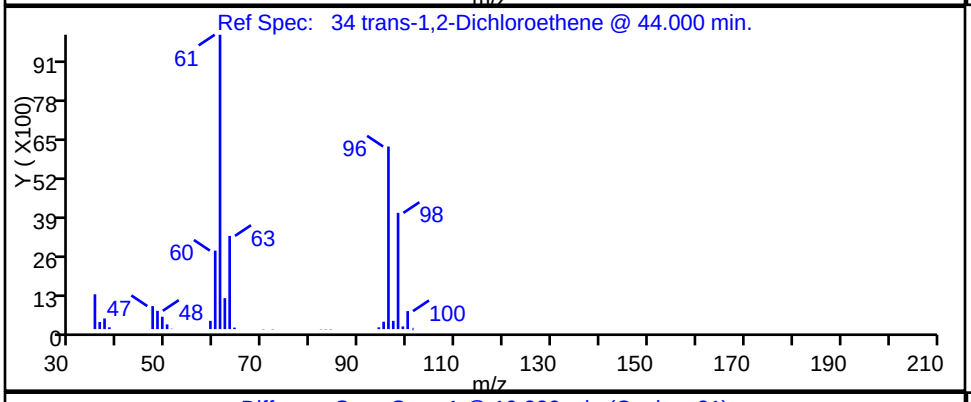
34 trans-1,2-Dichloroethene, CAS: 156-60-5

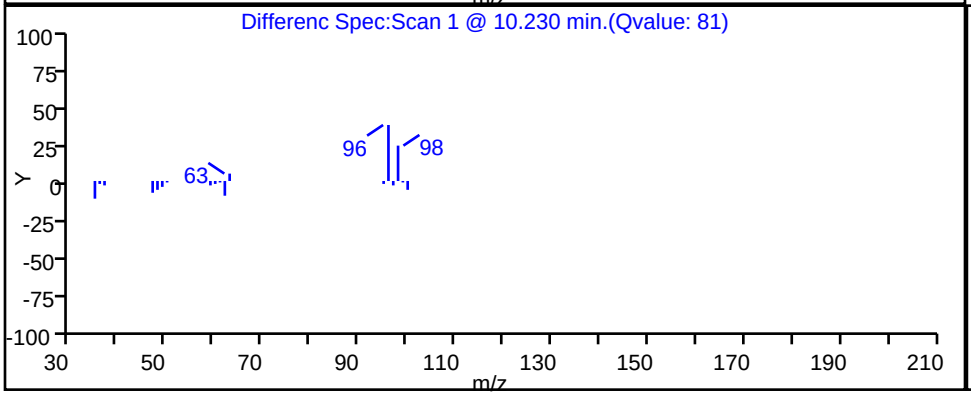


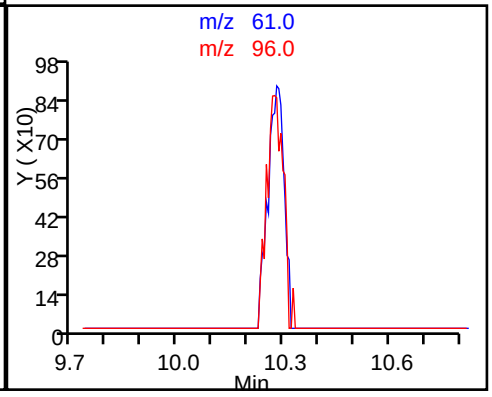












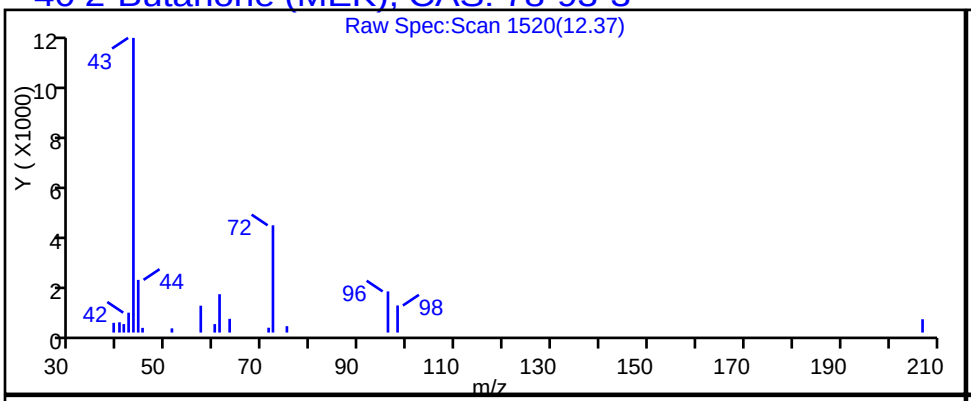
Report Date: 18-Jul-2014 10:17:30 Chrom Revision: 2.2 24-Jun-2014 07:21:42

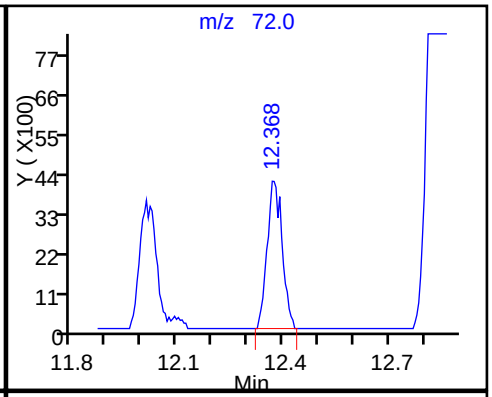
TestAmerica Burlington

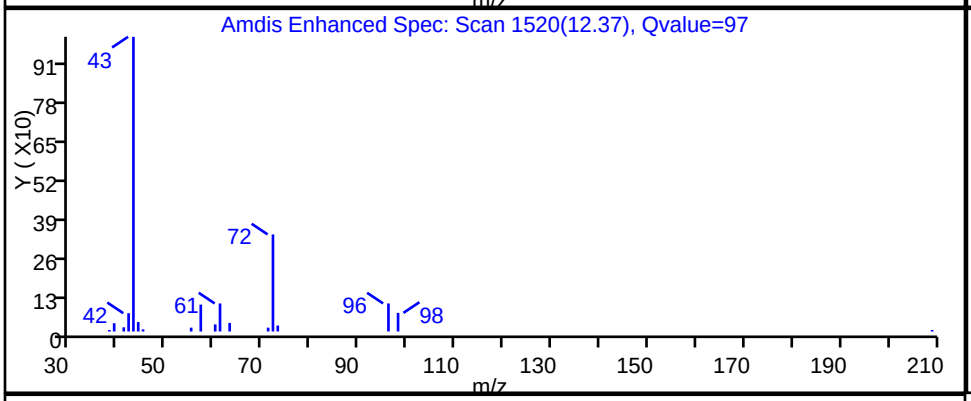
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

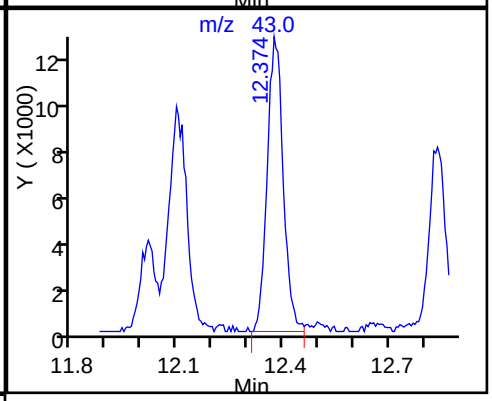
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

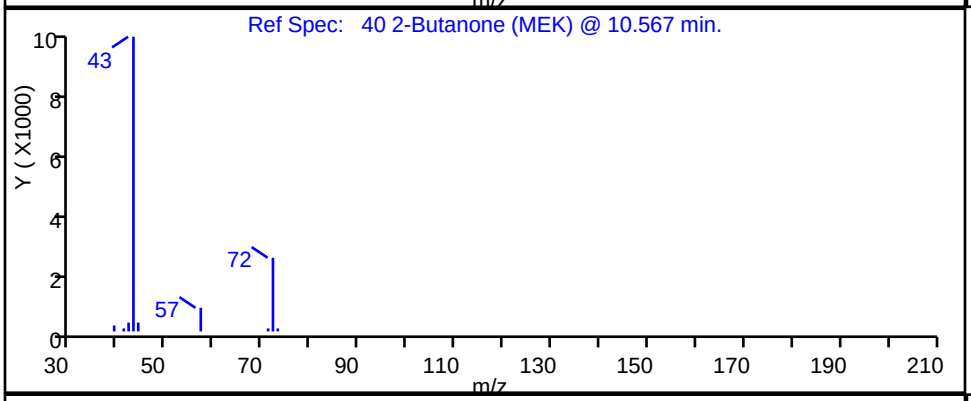
40 2-Butanone (MEK), CAS: 78-93-3

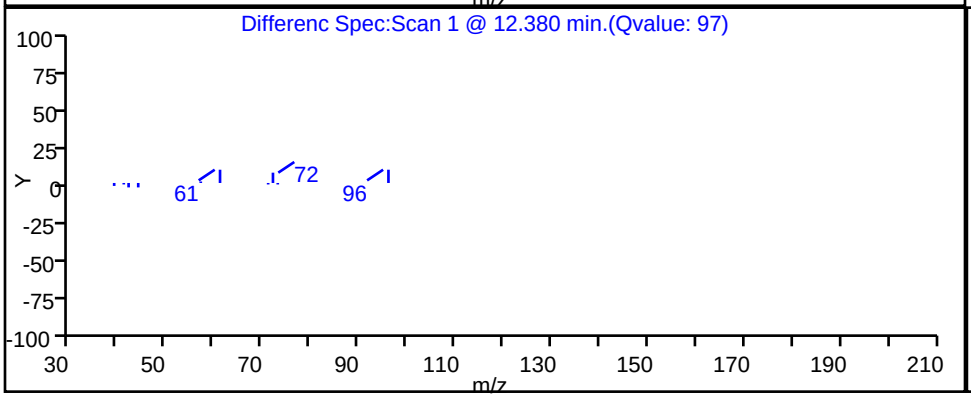


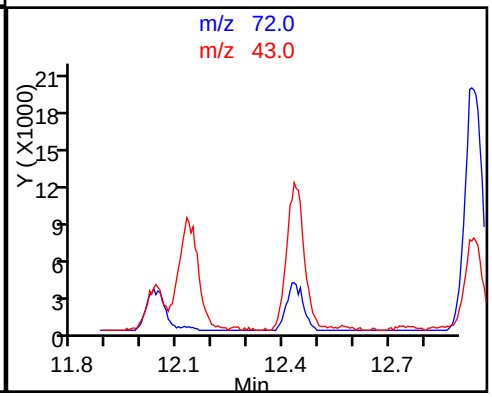












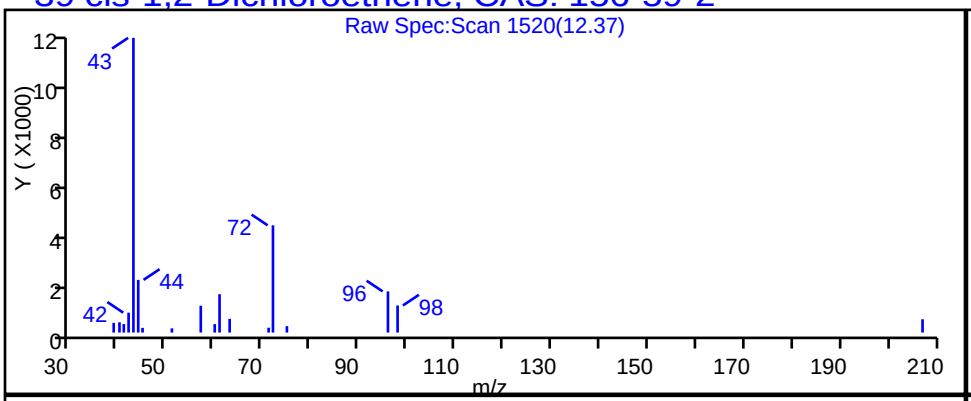
Report Date: 18-Jul-2014 10:17:30 Chrom Revision: 2.2 24-Jun-2014 07:21:42

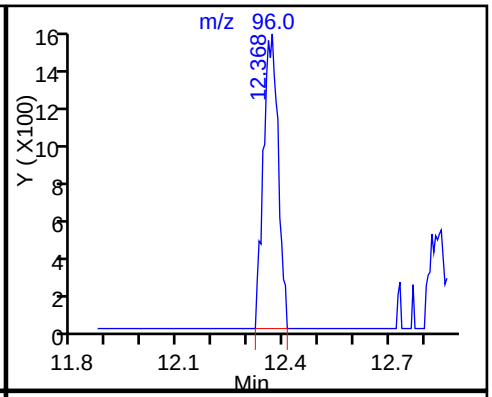
TestAmerica Burlington

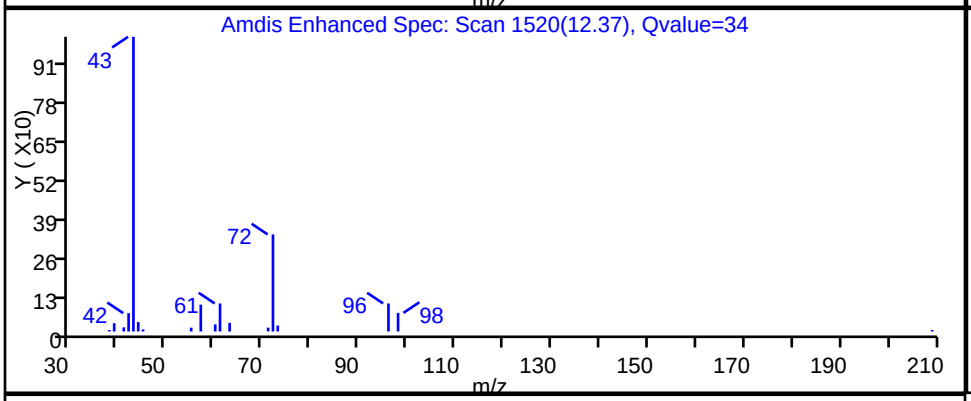
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

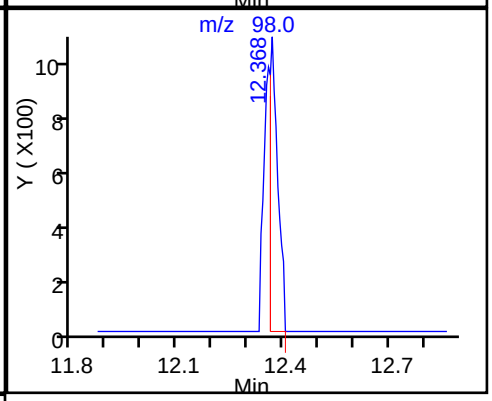
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

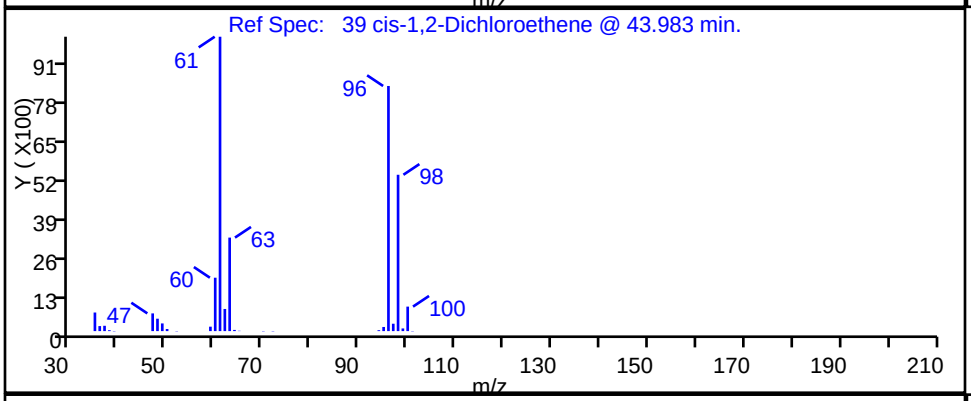
39 cis-1,2-Dichloroethene, CAS: 156-59-2

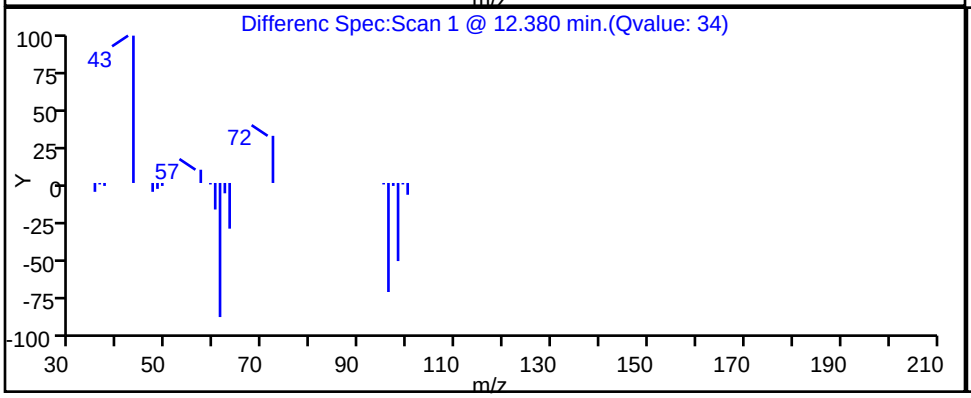


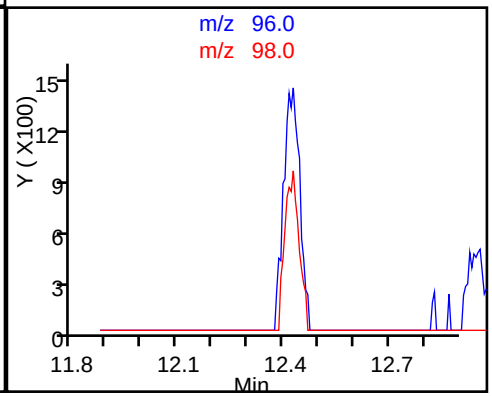












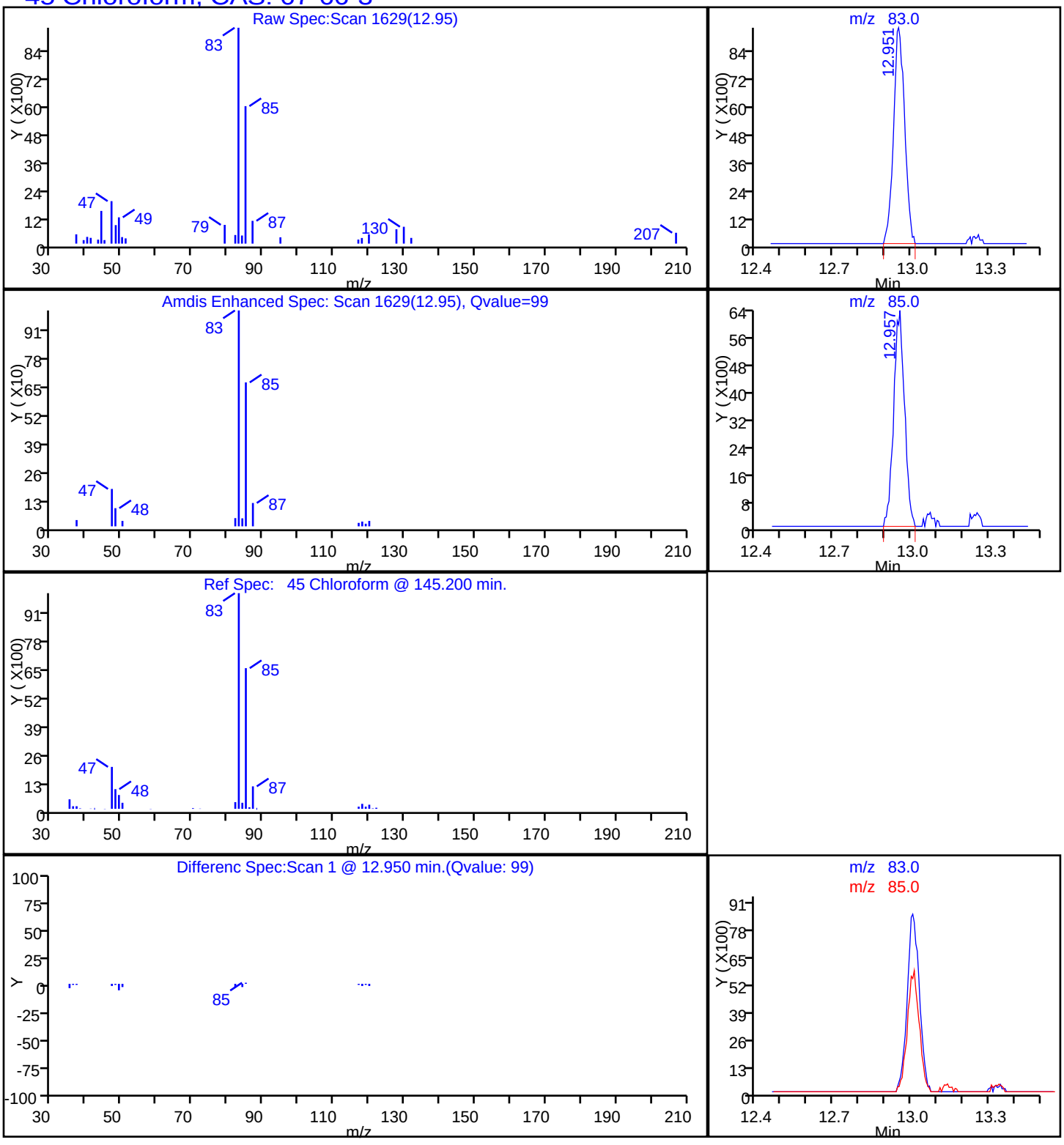
Report Date: 18-Jul-2014 10:17:30 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



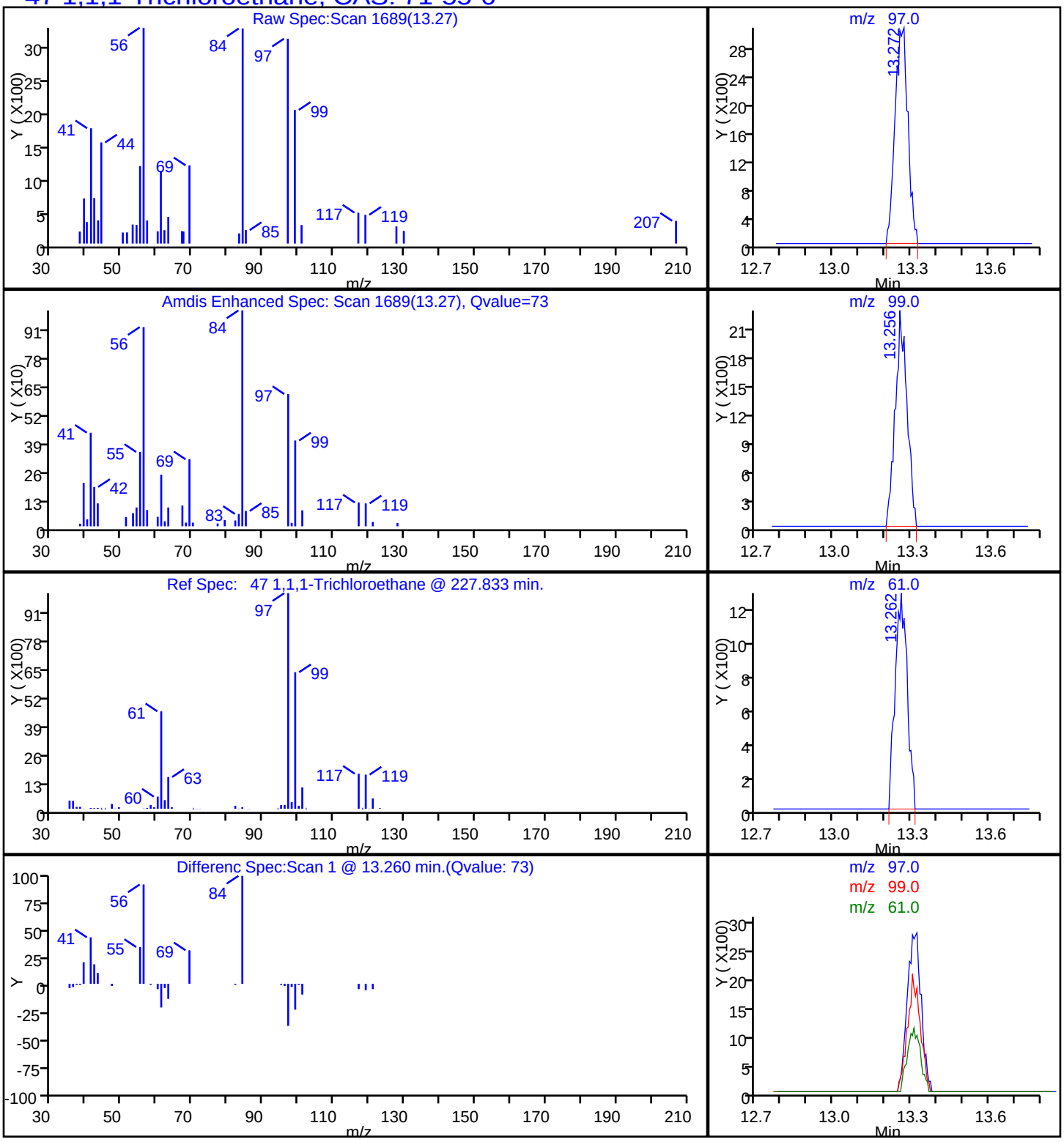
Report Date: 18-Jul-2014 10:17:30 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



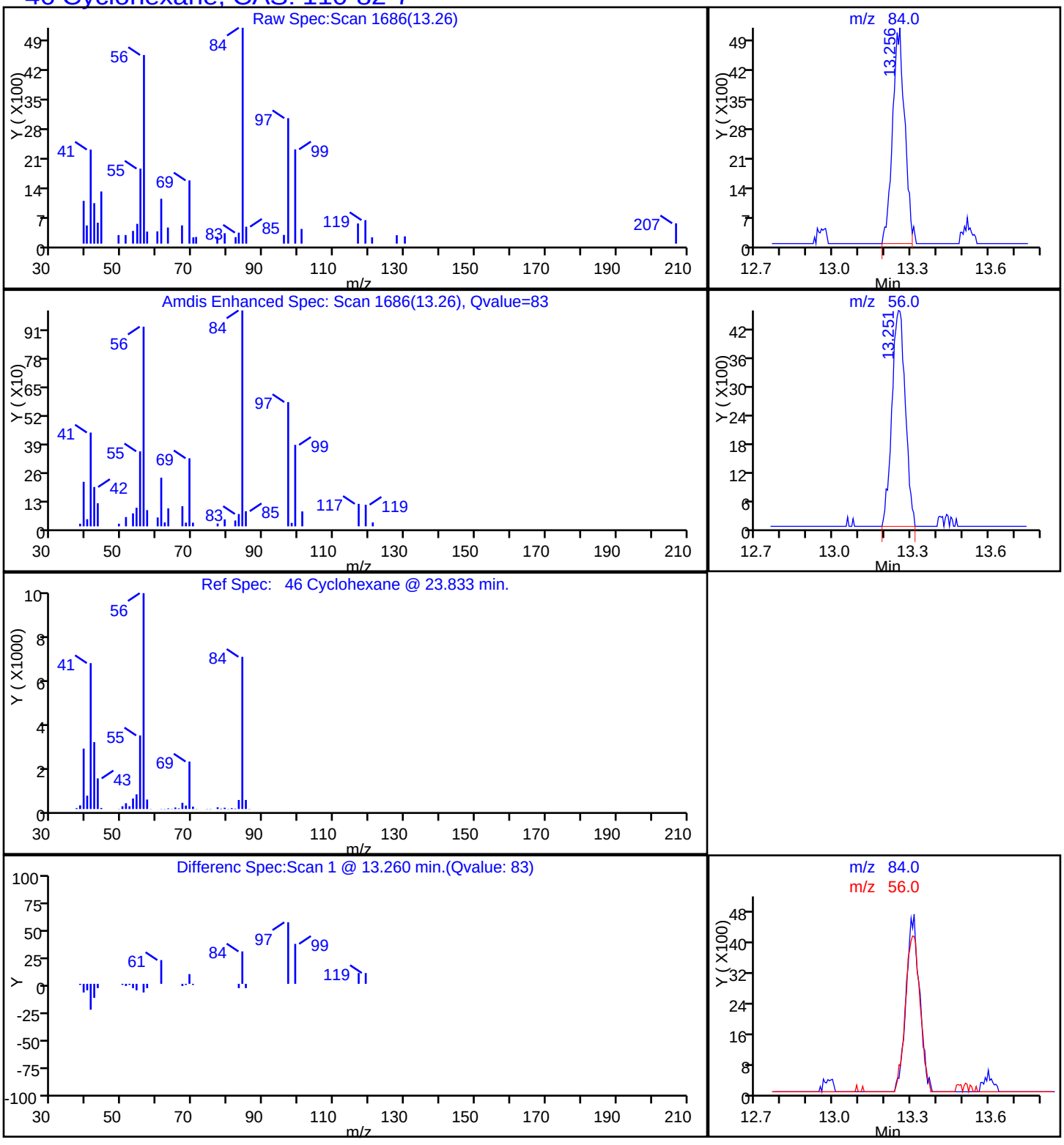
Report Date: 18-Jul-2014 10:17:30 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



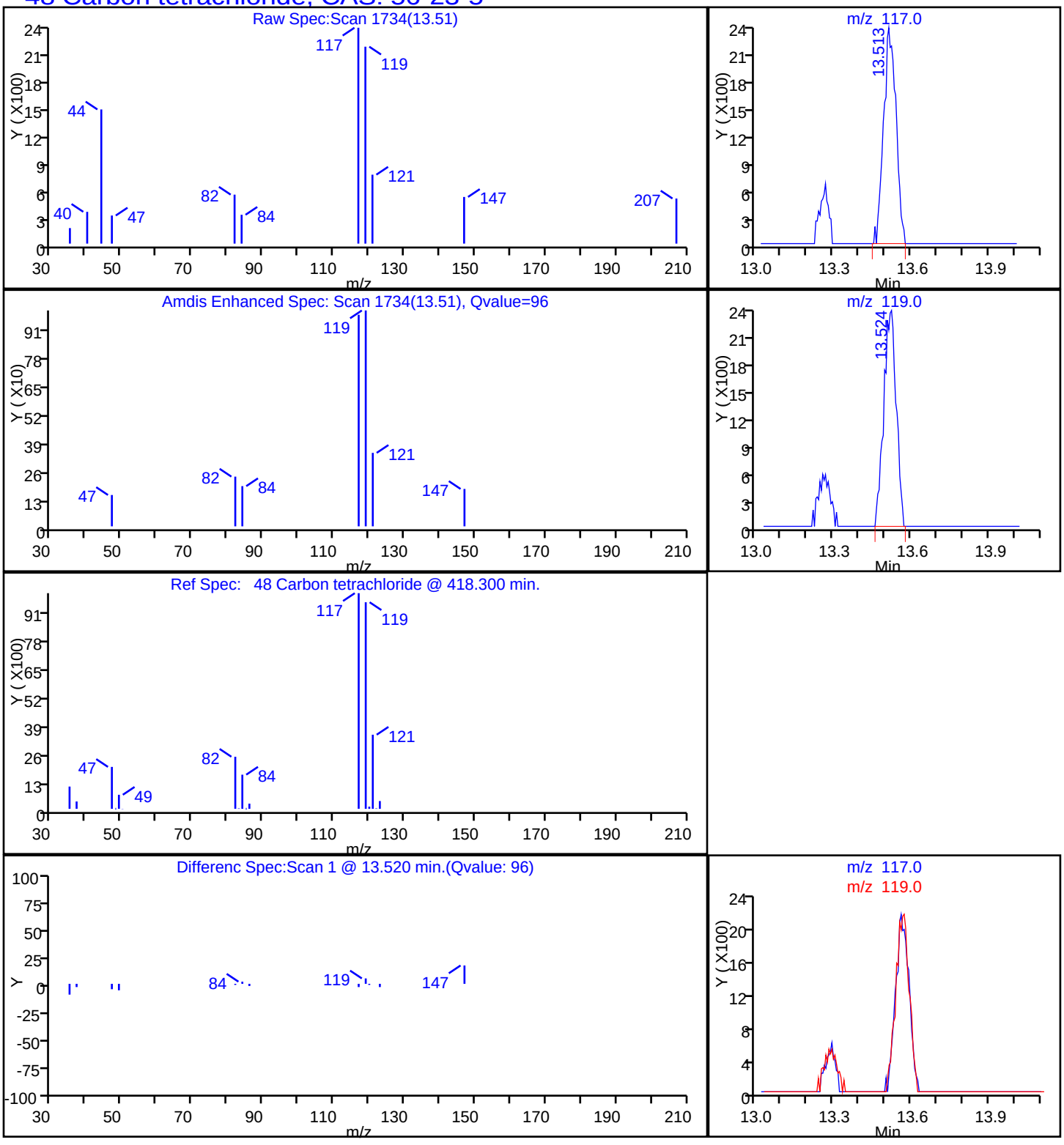
Report Date: 18-Jul-2014 10:17:30 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 Carbon tetrachloride, CAS: 56-23-5



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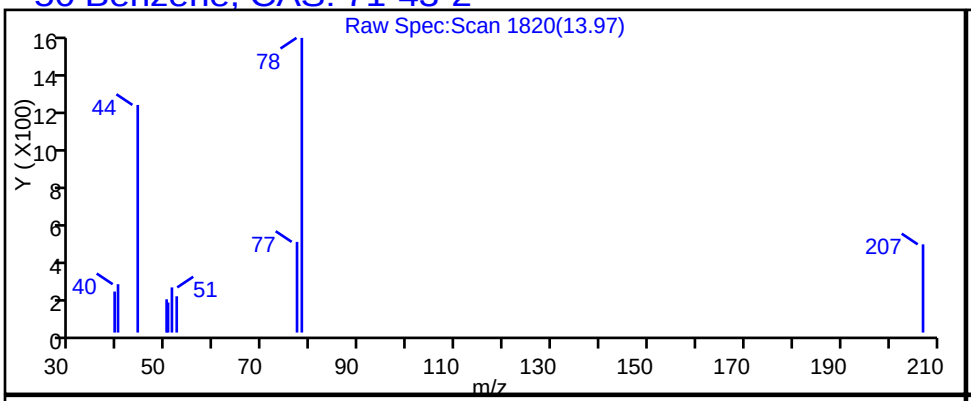
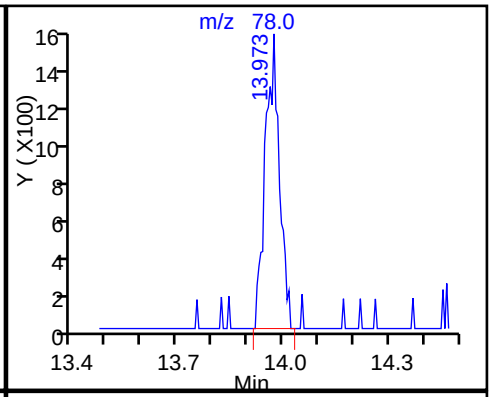
TestAmerica Burlington

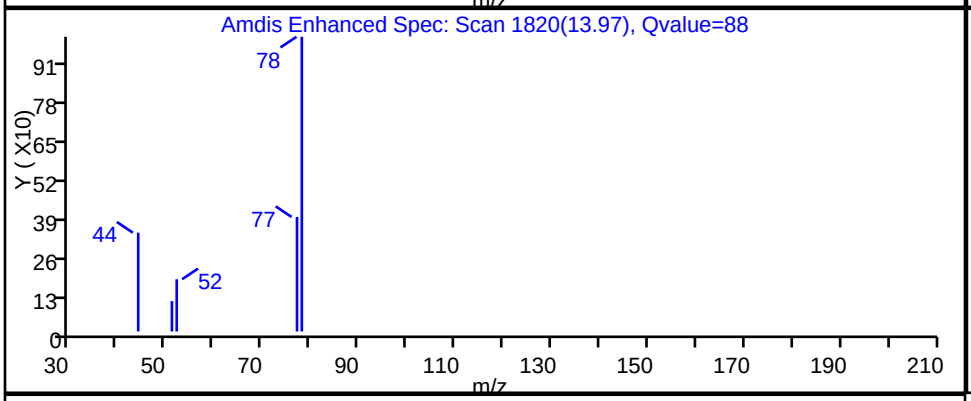
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

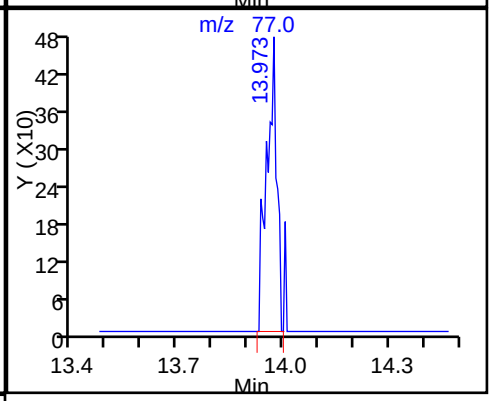
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

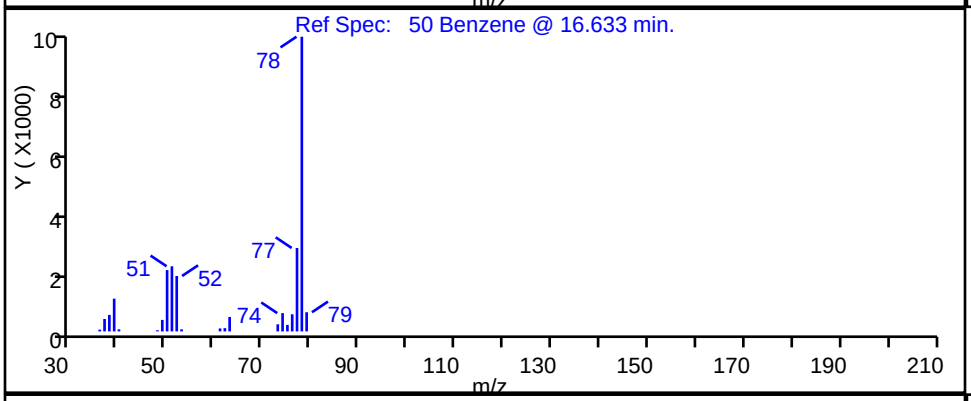
50 Benzene, CAS: 71-43-2

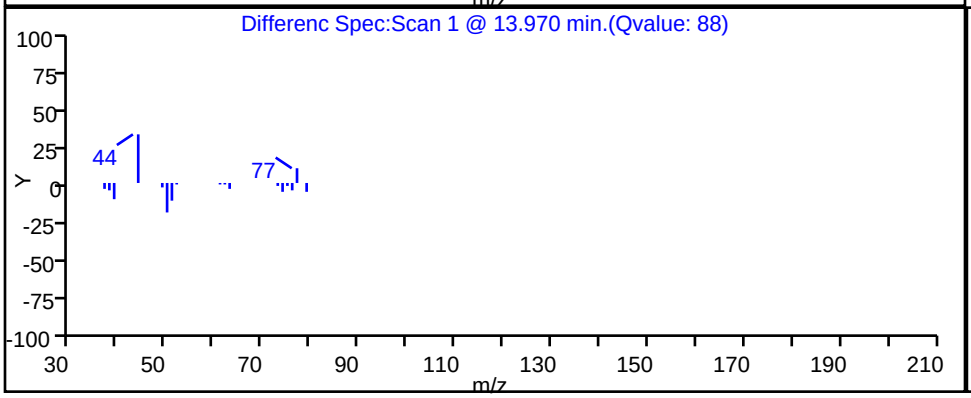


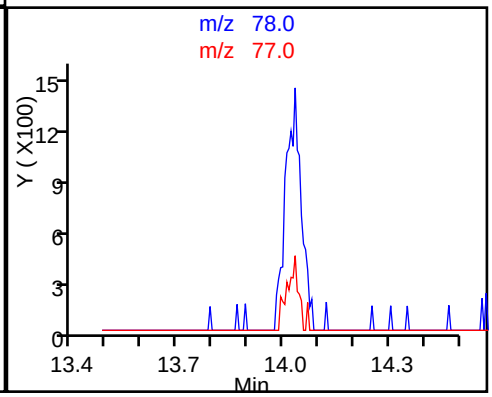












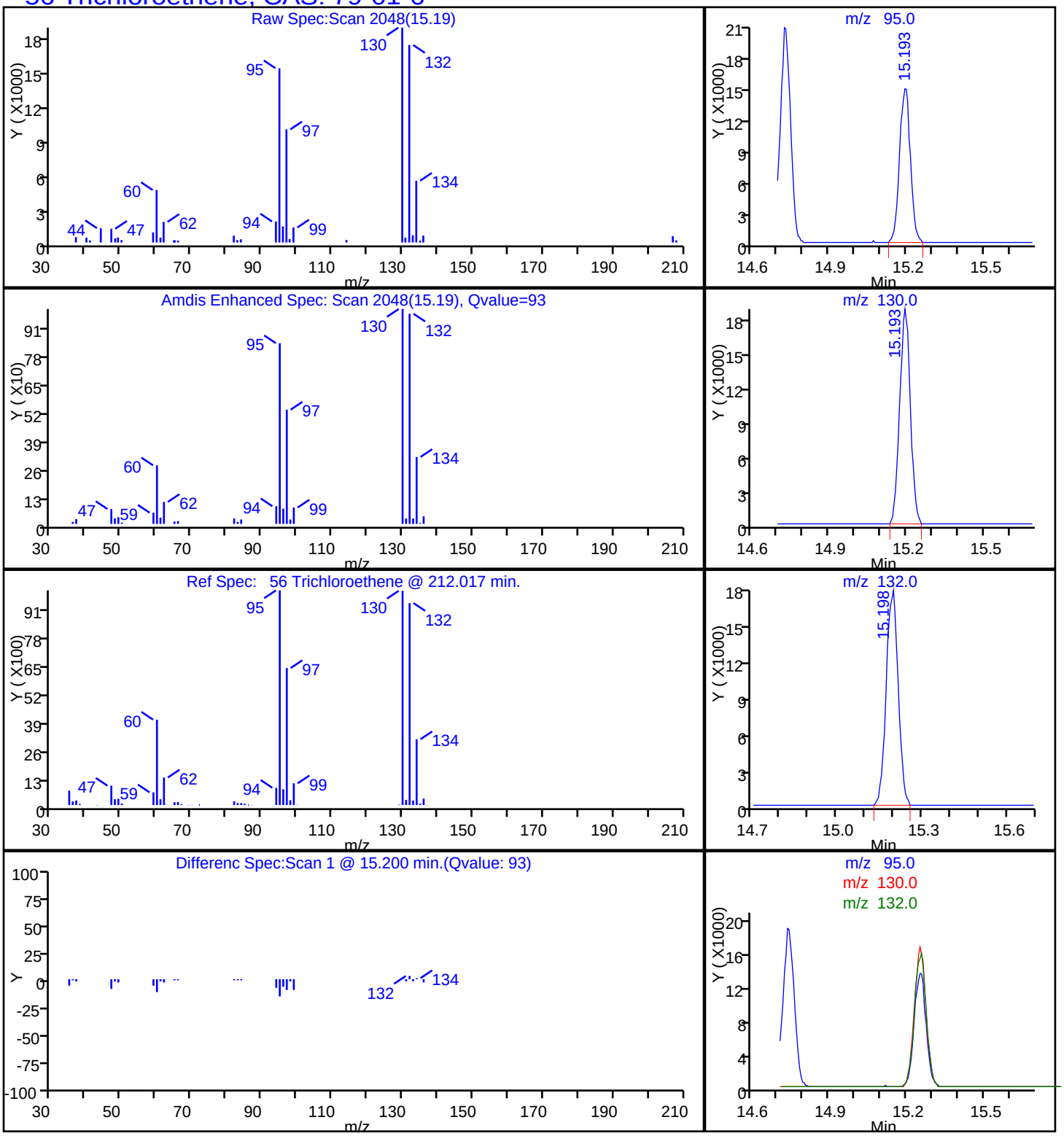
Report Date: 18-Jul-2014 10:17:31 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



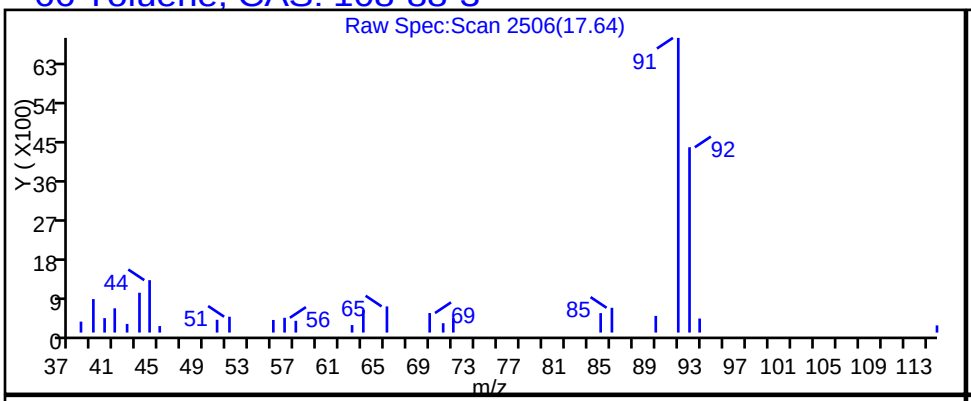
Report Date: 18-Jul-2014 10:17:31 Chrom Revision: 2.2 24-Jun-2014 07:21:42

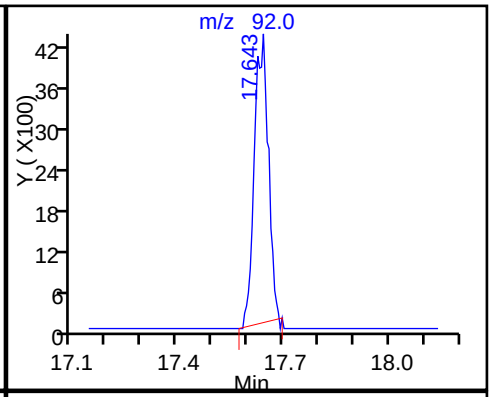
TestAmerica Burlington

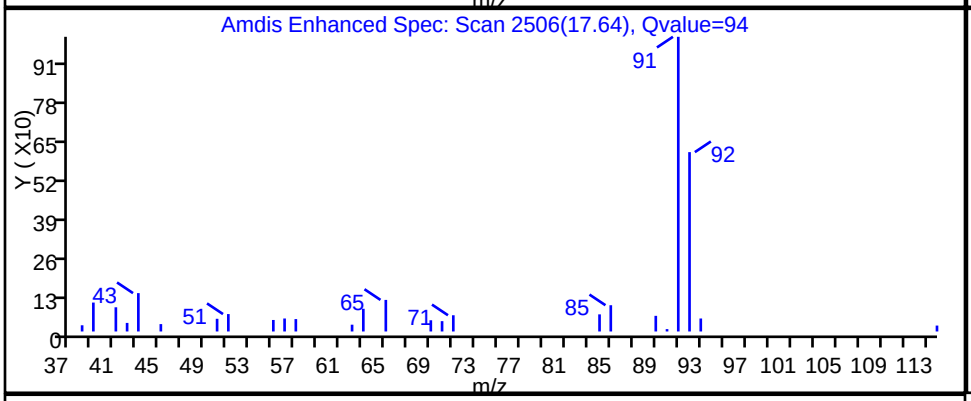
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

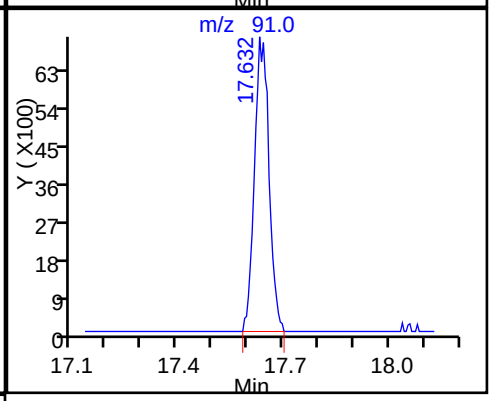
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

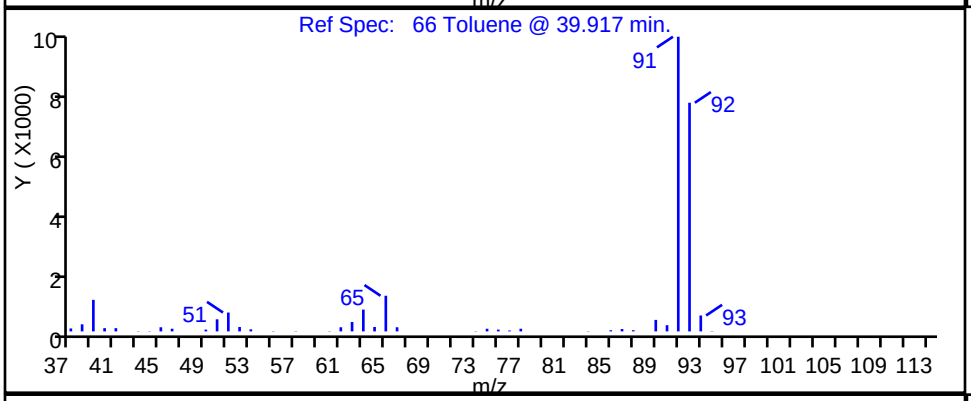
66 Toluene, CAS: 108-88-3

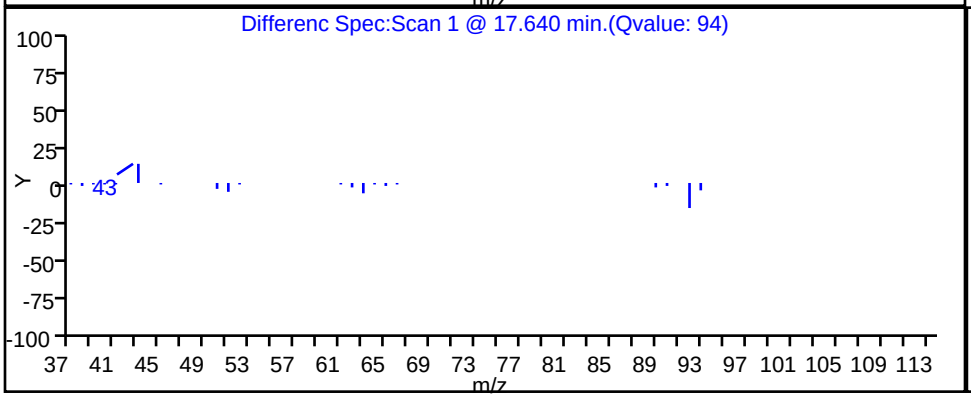


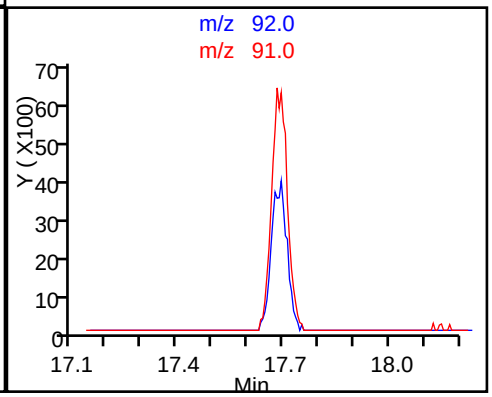












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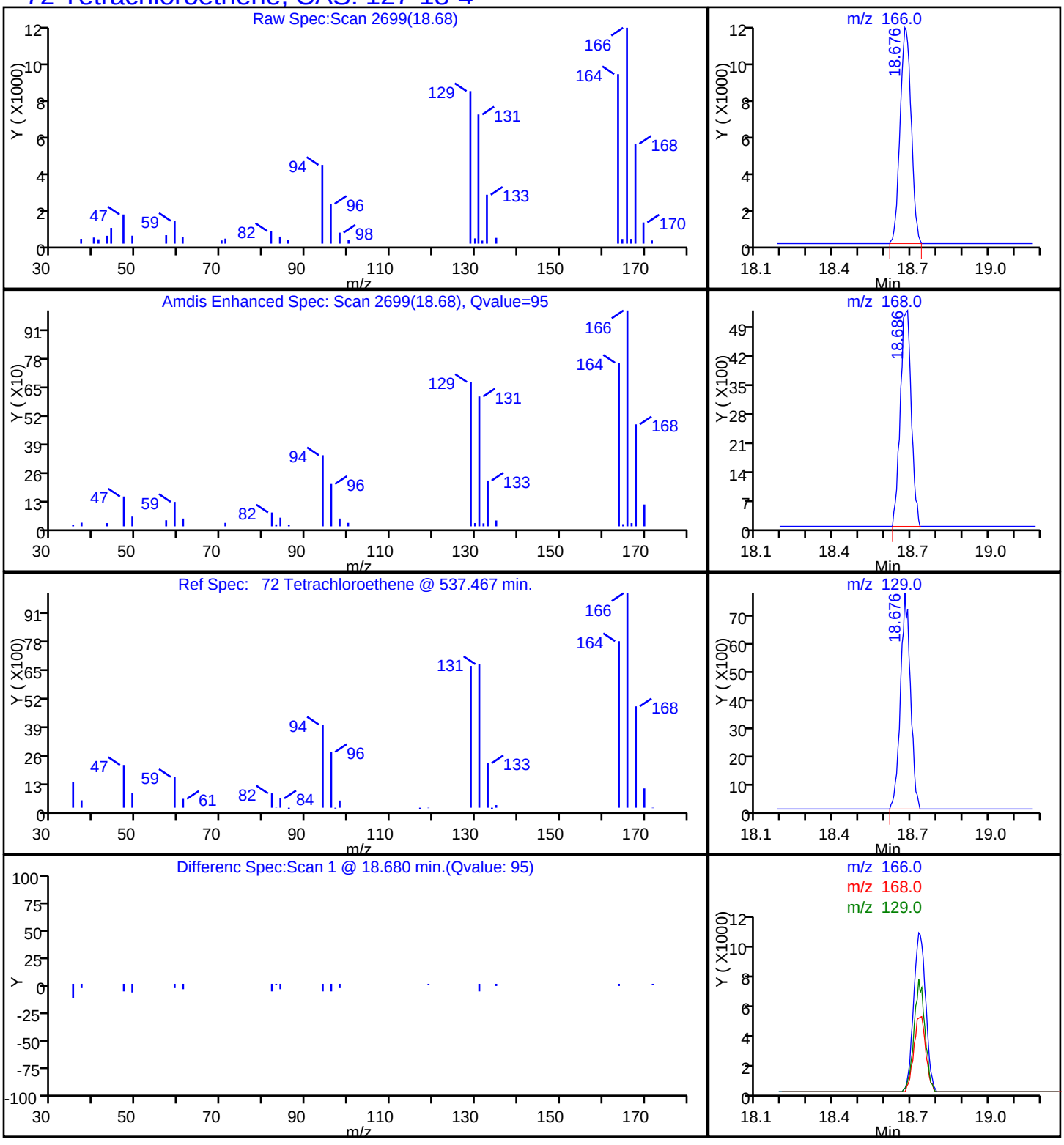
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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TestAmerica Burlington

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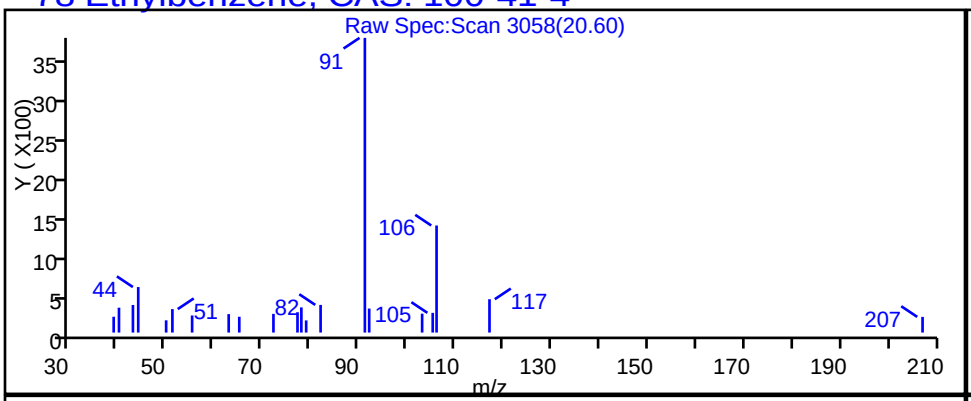
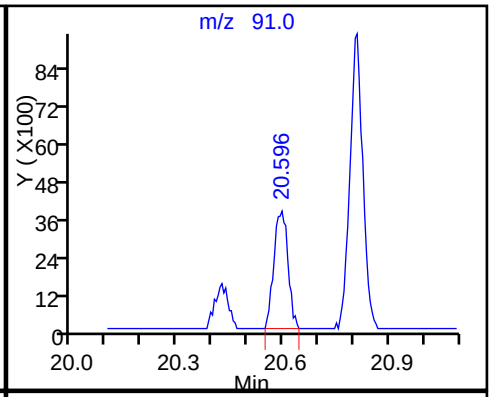
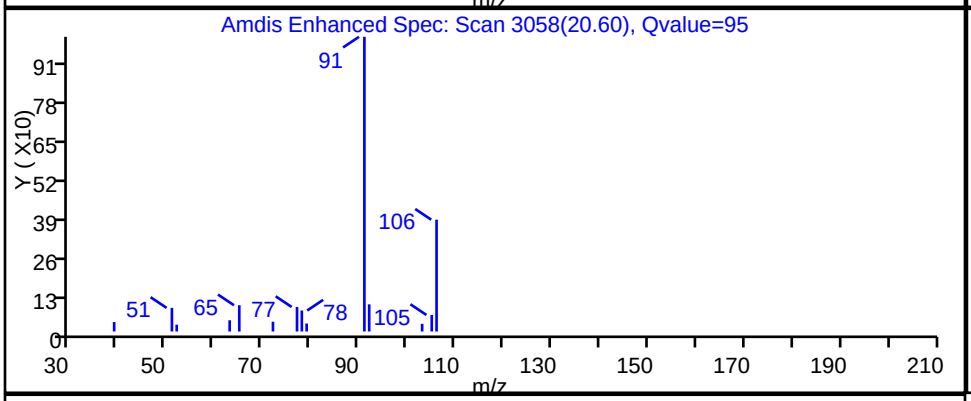
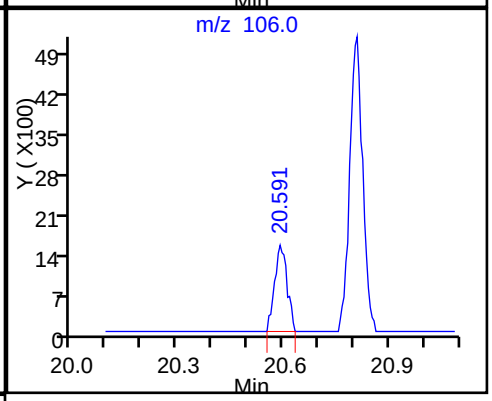
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

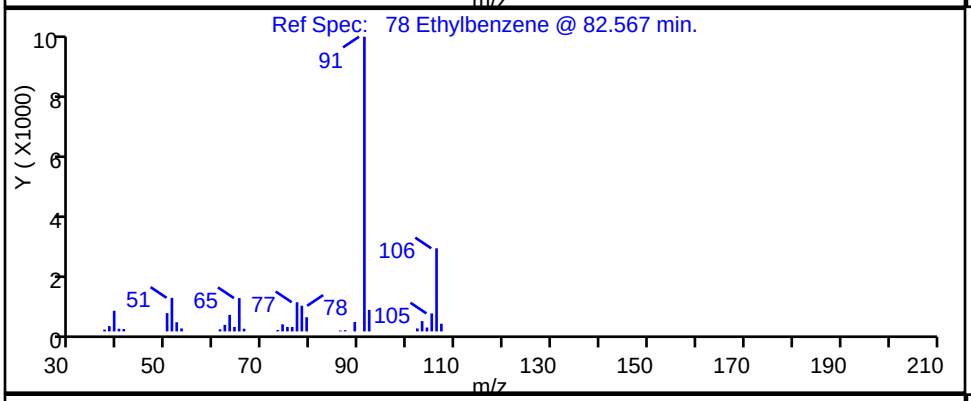
78 Ethylbenzene, CAS: 100-41-4

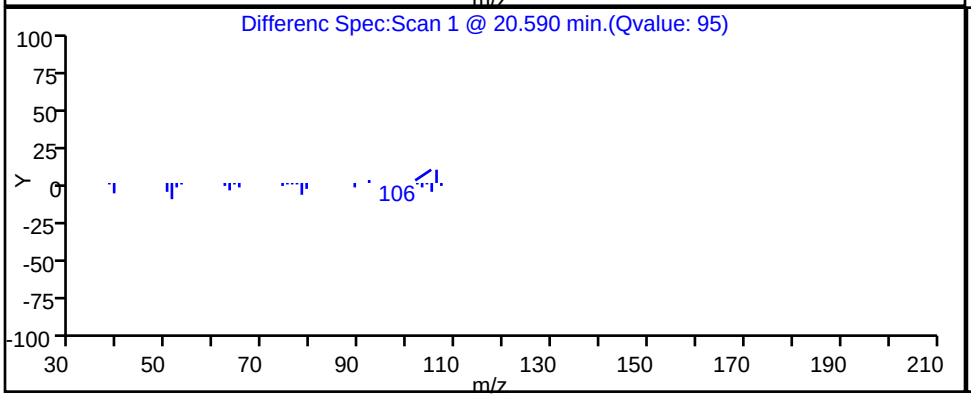


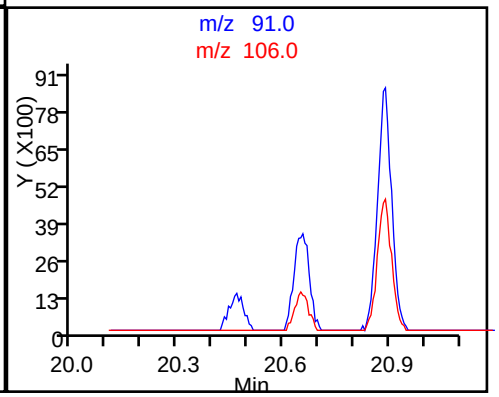












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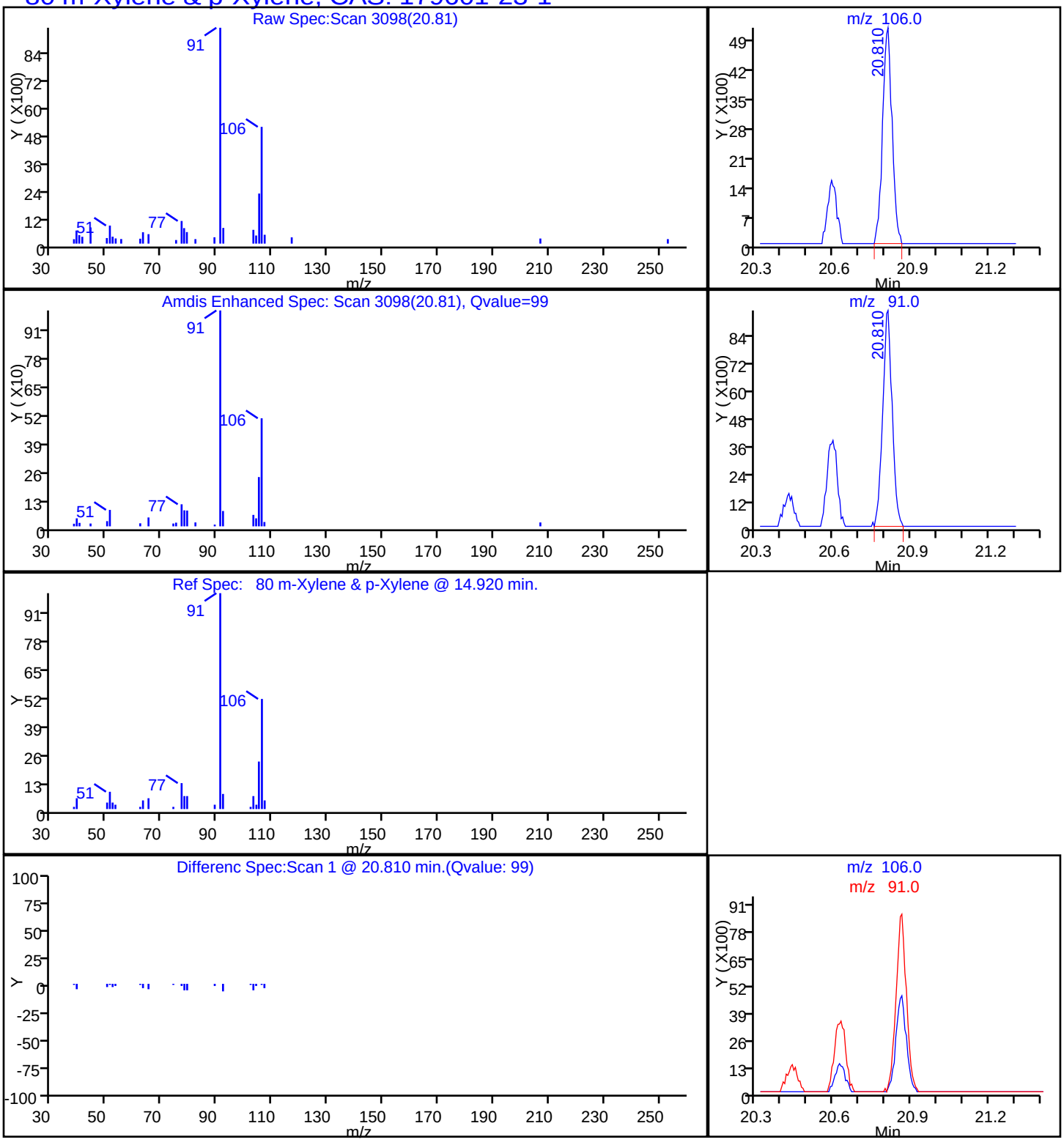
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



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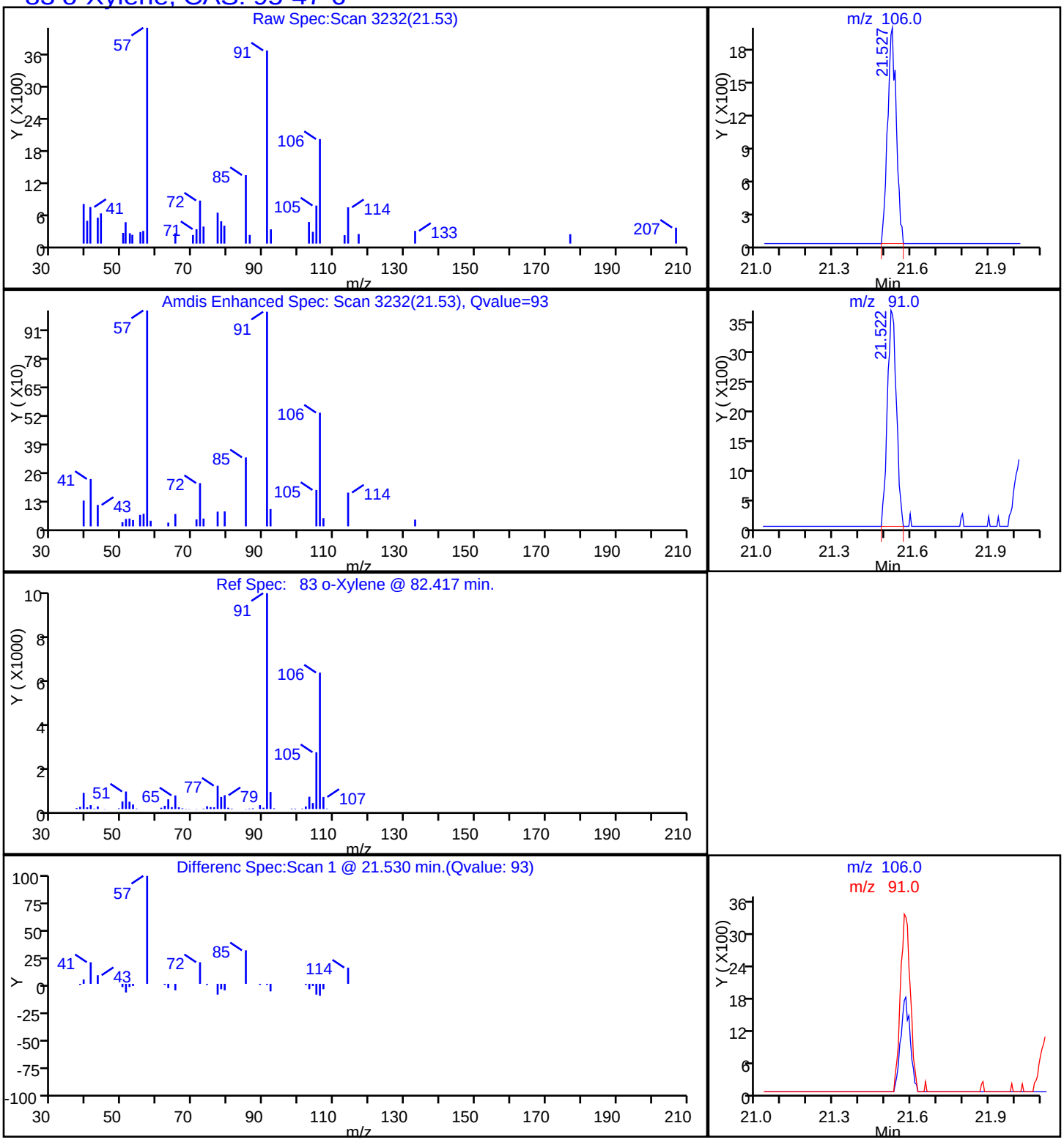
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



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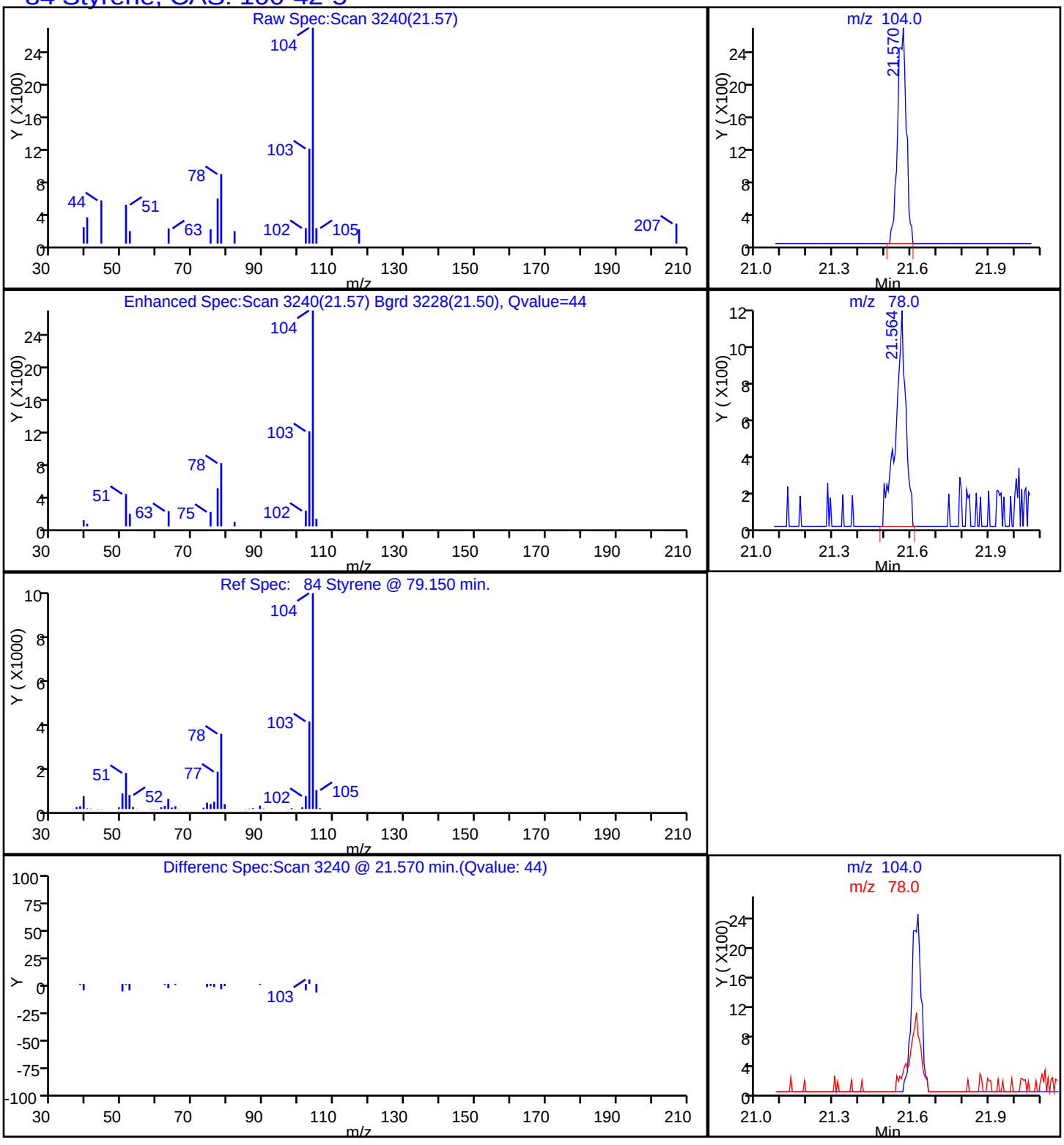
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5



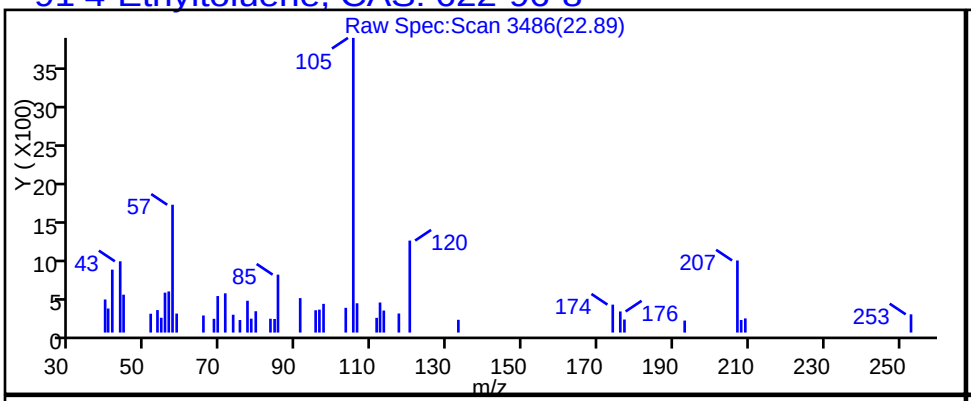
Report Date: 18-Jul-2014 10:17:31 Chrom Revision: 2.2 24-Jun-2014 07:21:42

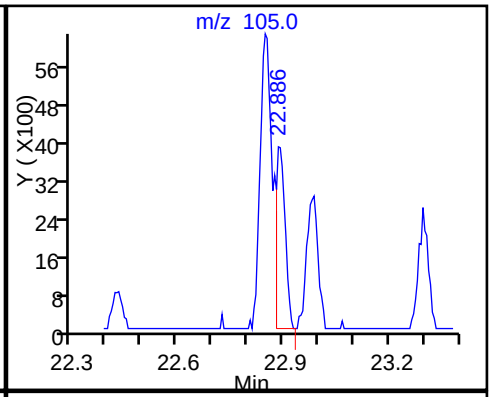
TestAmerica Burlington

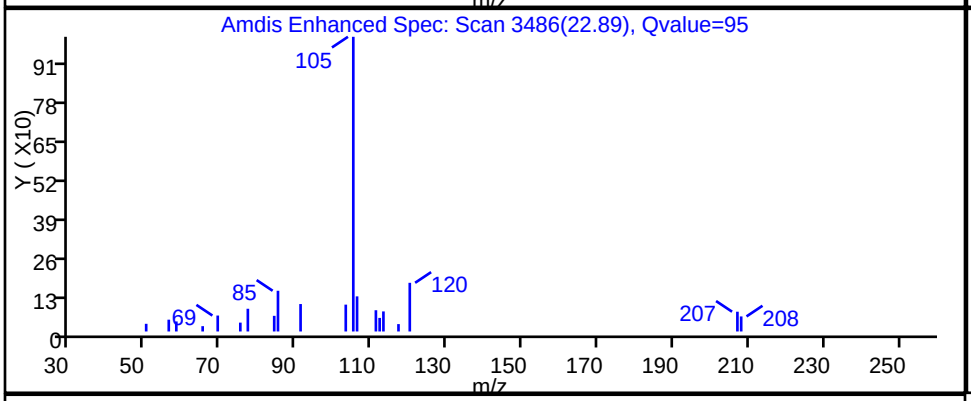
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

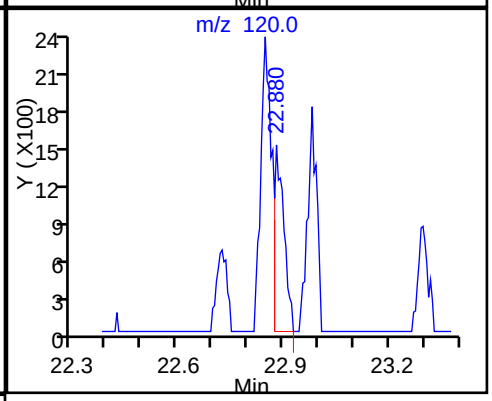
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

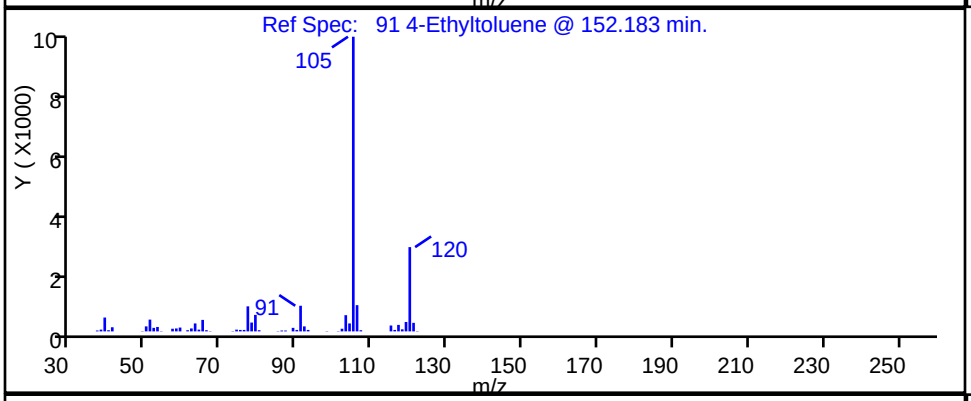
91 4-Ethyltoluene, CAS: 622-96-8

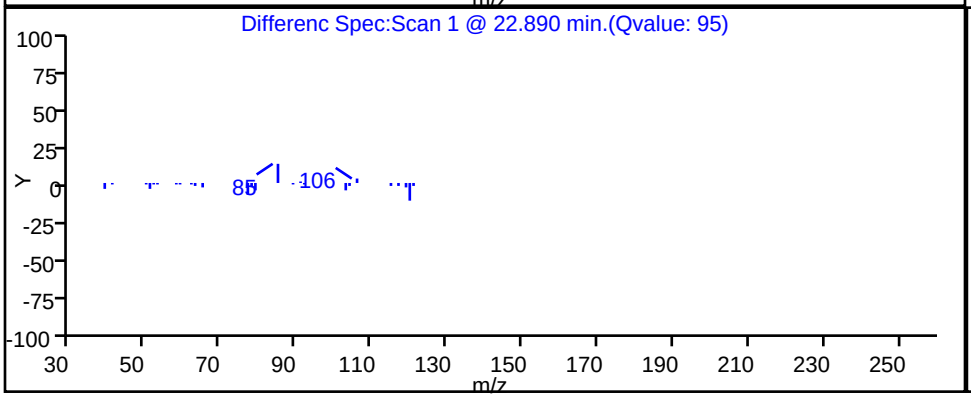


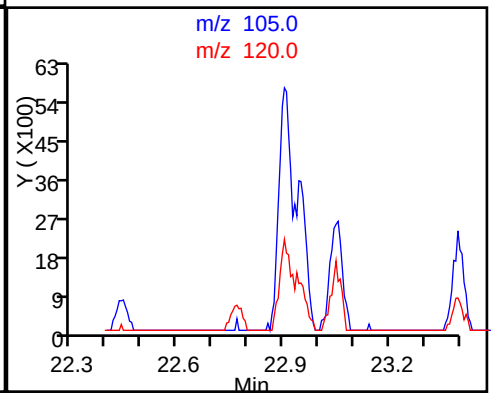












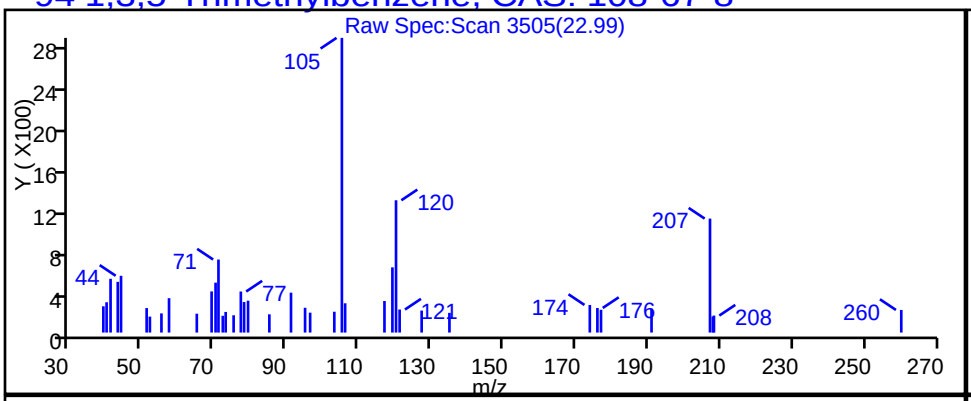
Report Date: 18-Jul-2014 10:17:31 Chrom Revision: 2.2 24-Jun-2014 07:21:42

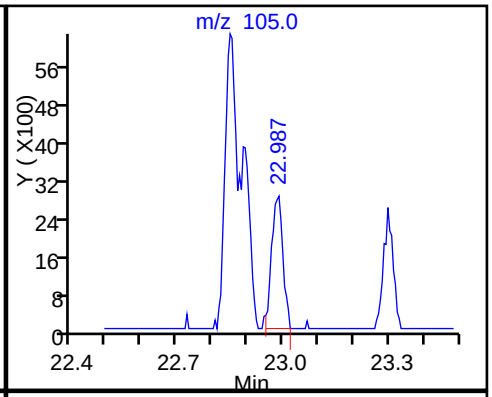
TestAmerica Burlington

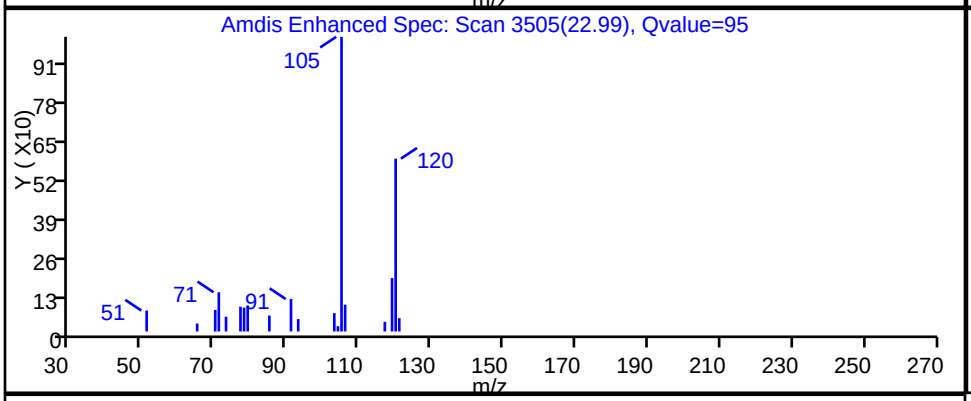
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

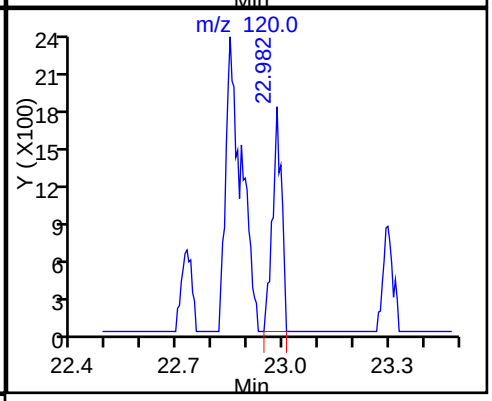
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

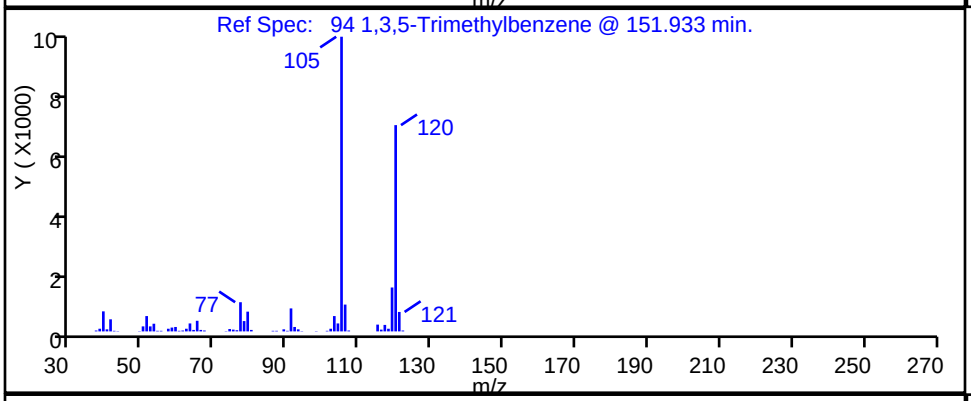
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

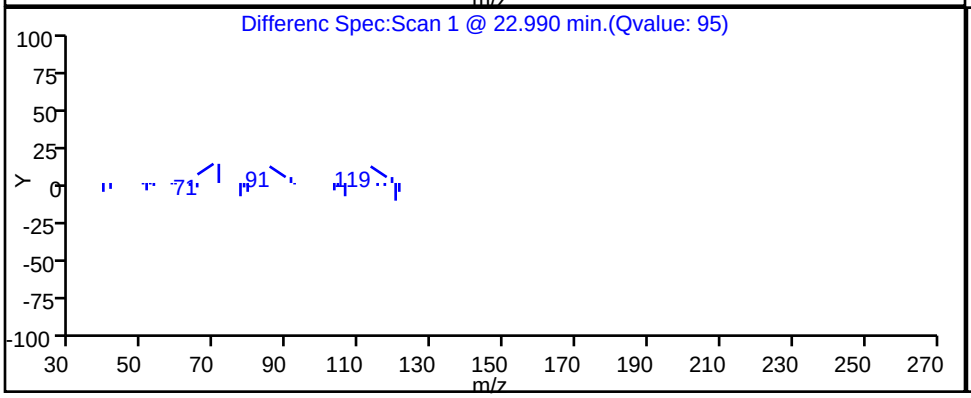


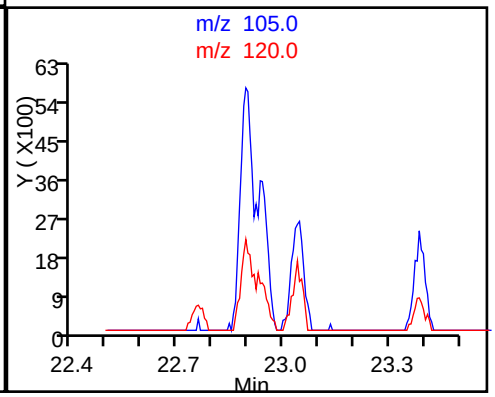












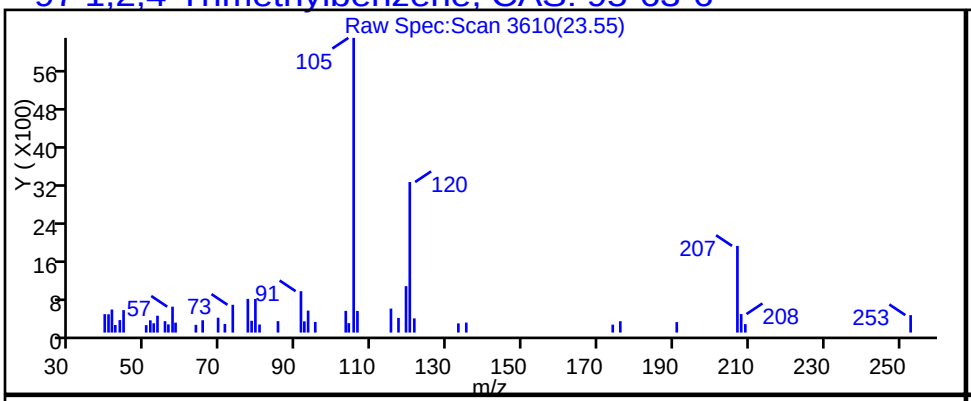
Report Date: 18-Jul-2014 10:17:31 Chrom Revision: 2.2 24-Jun-2014 07:21:42

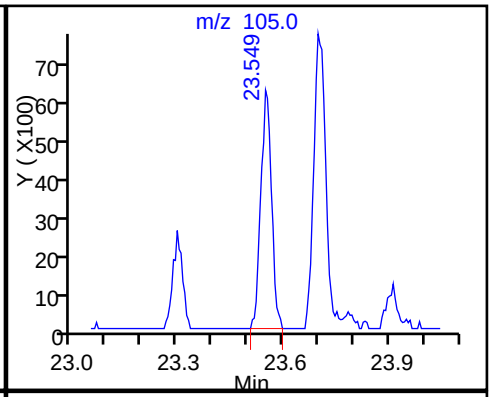
TestAmerica Burlington

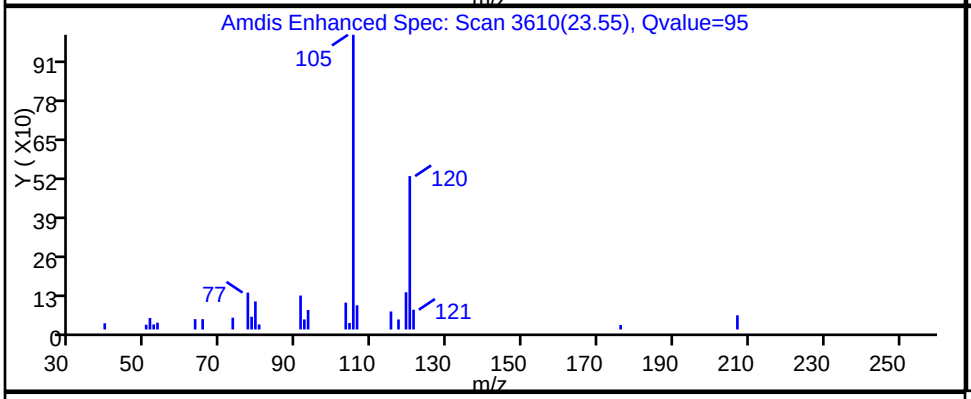
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

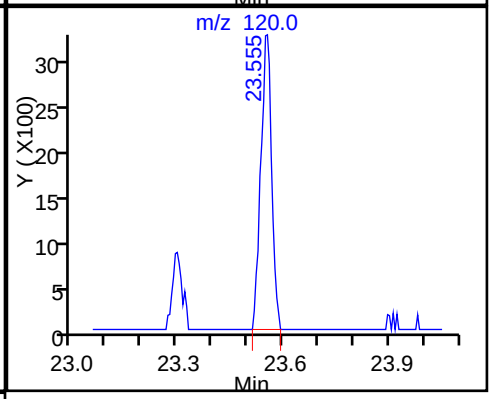
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

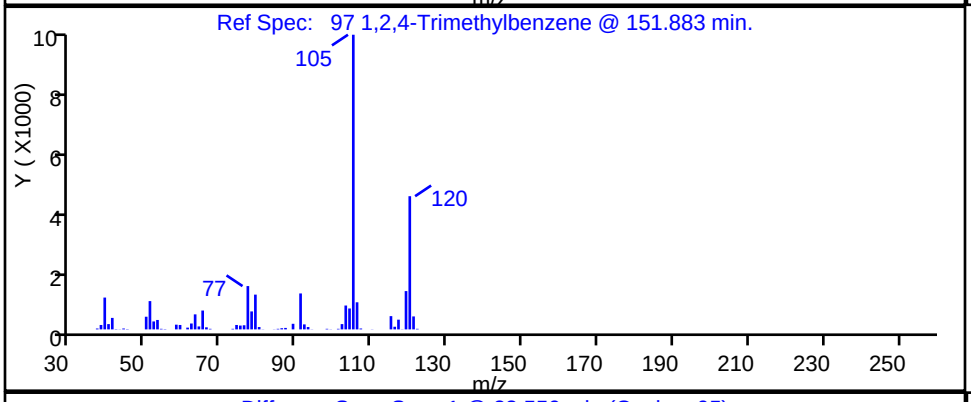
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

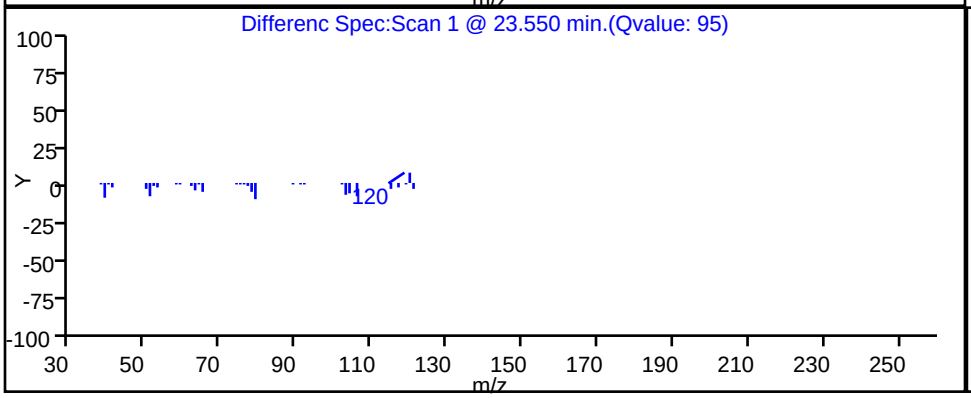


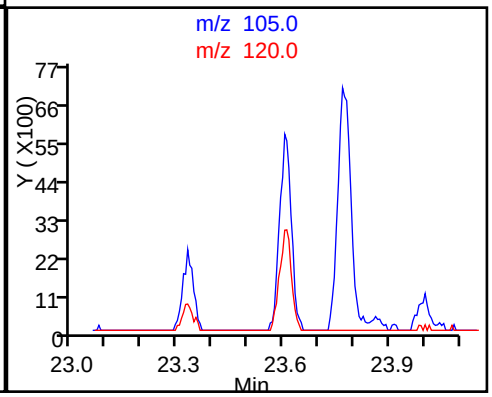












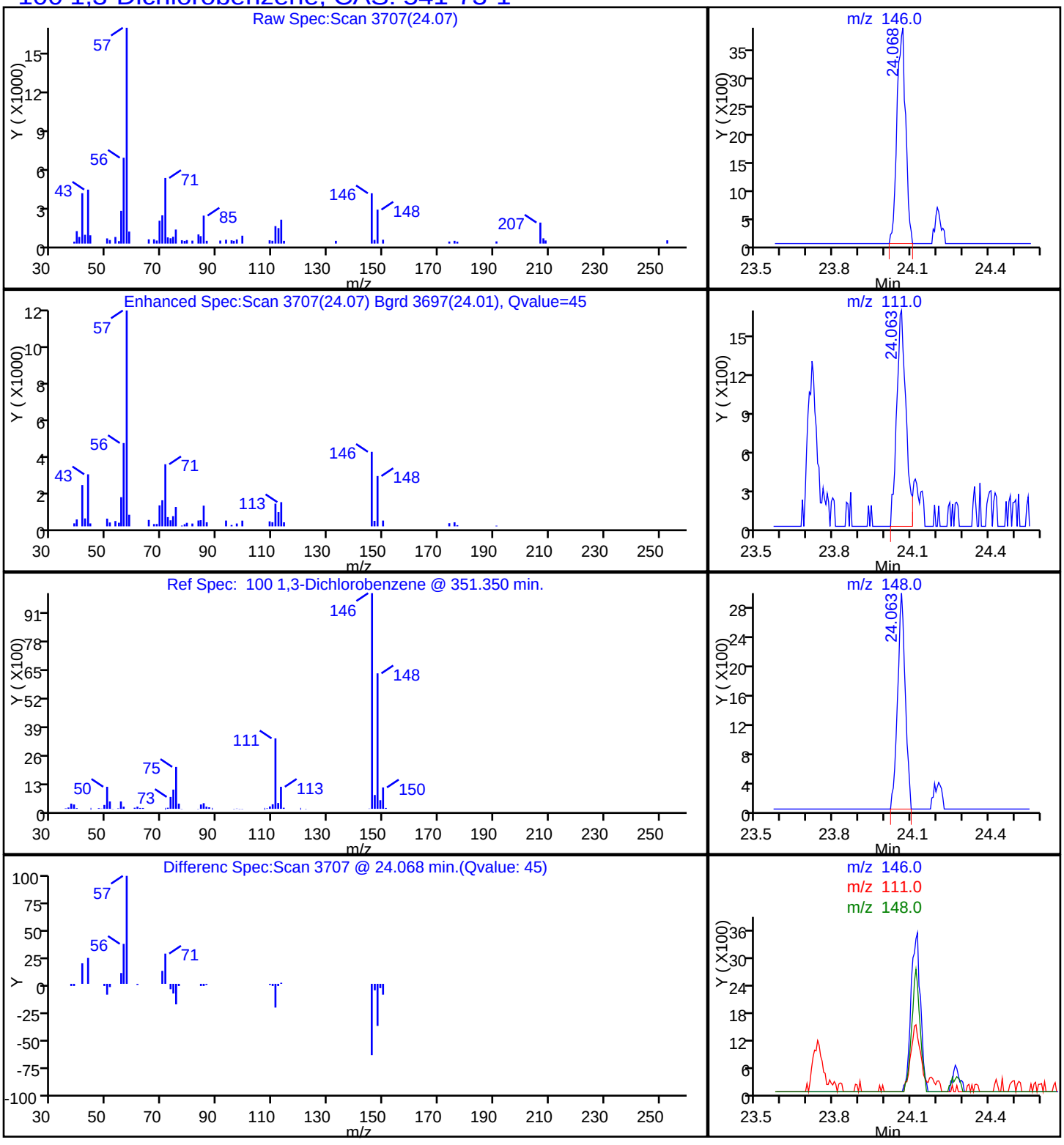
Report Date: 18-Jul-2014 10:17:31 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d

Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



Manual Integration/User Assign Peak Report

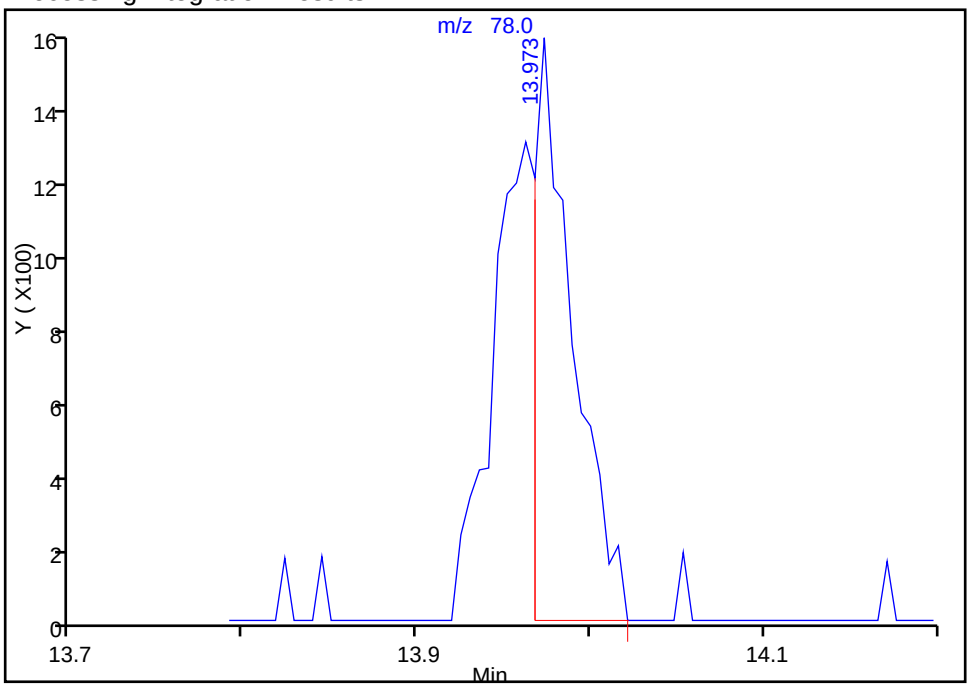
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d				
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2

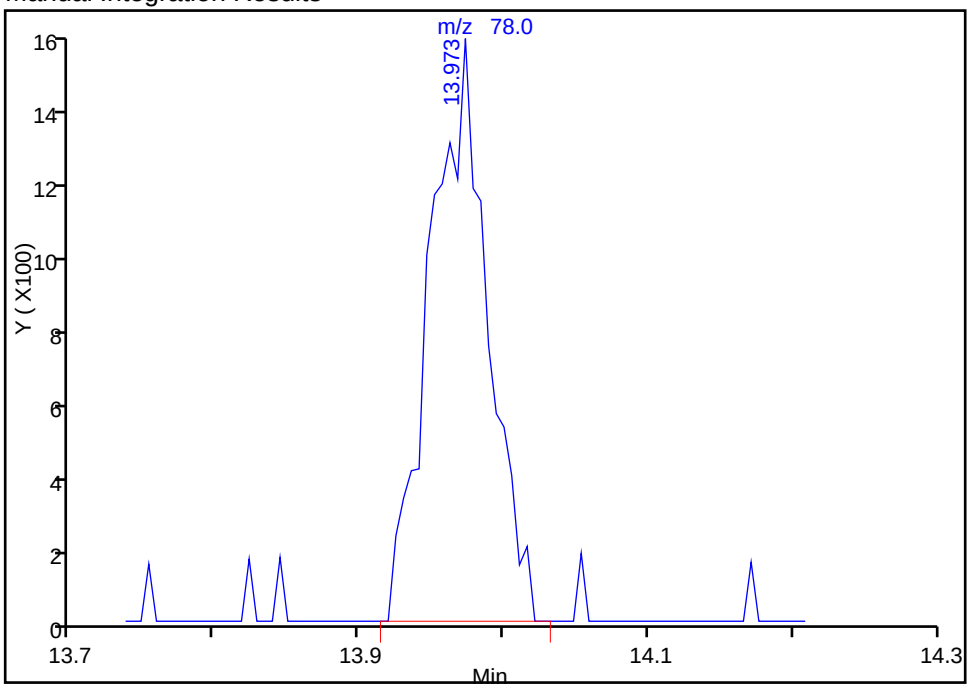
Processing Integration Results

RT: 13.97
Response: 2433
Amount: 0.013009



Manual Integration Results

RT: 13.97
Response: 4342
Amount: 0.023216



Reviewer: lyonsb, 18-Jul-2014 10:02:04
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

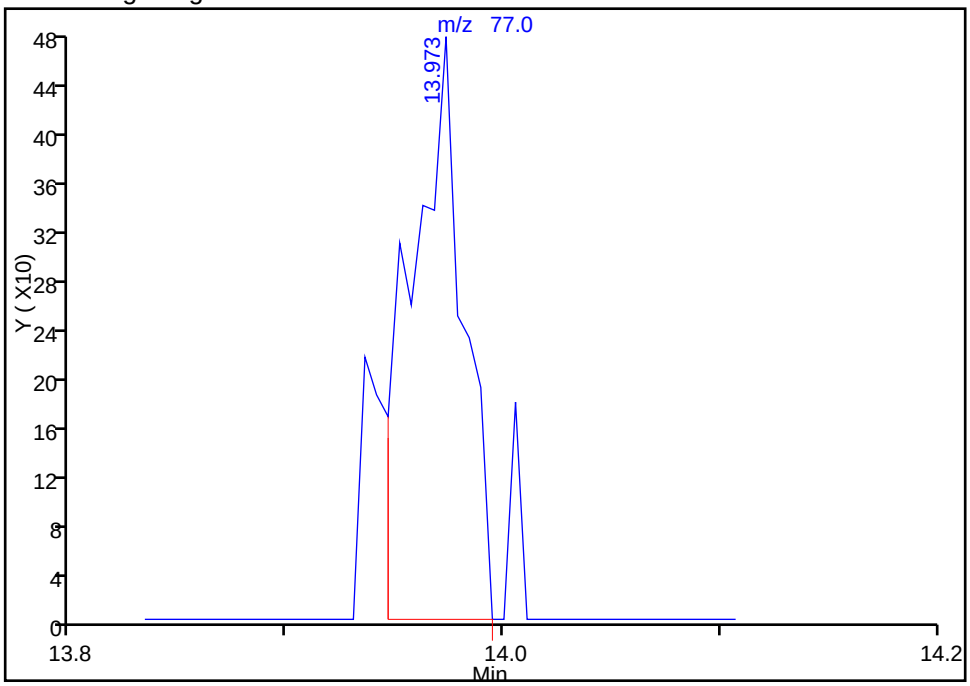
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d				
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2

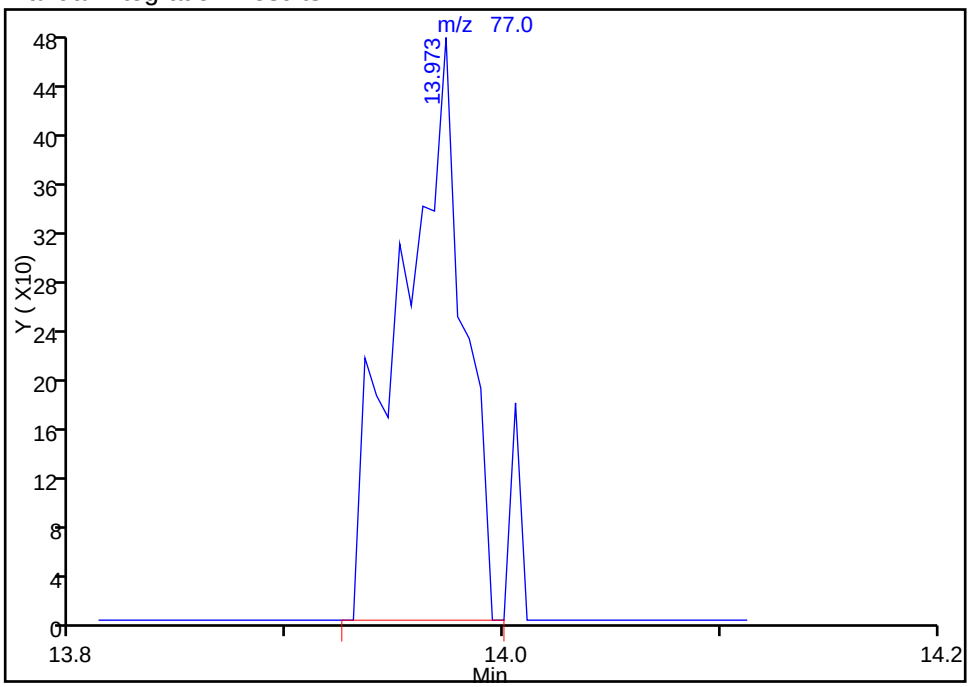
Processing Integration Results

RT: 13.97
Response: 824
Amount: 0.013009



Manual Integration Results

RT: 13.97
Response: 953
Amount: 0.023216



Reviewer: lyonsb, 18-Jul-2014 10:02:04
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

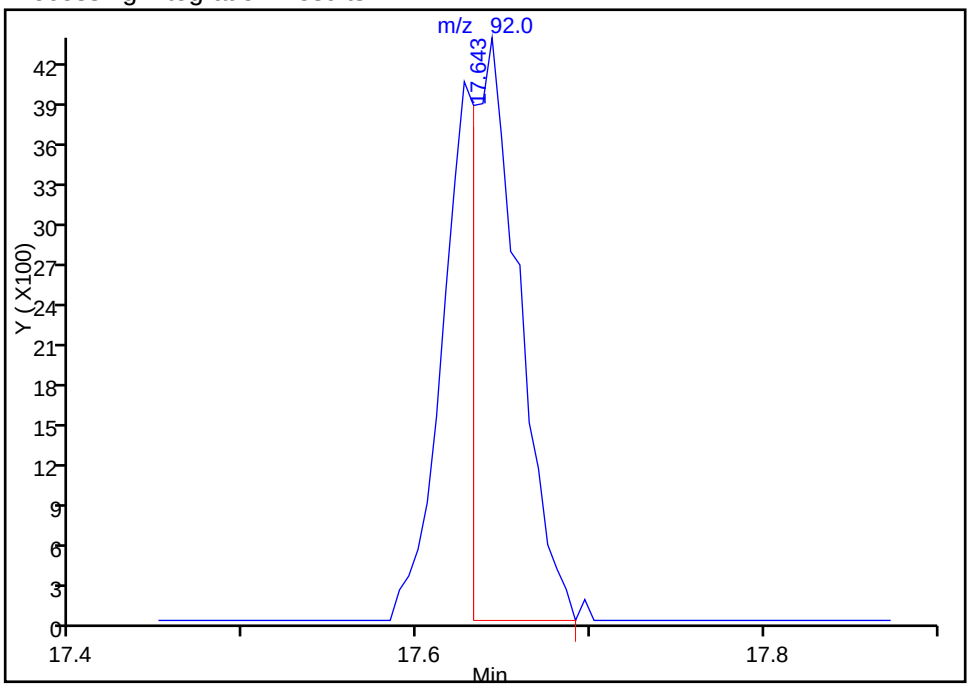
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d				
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3

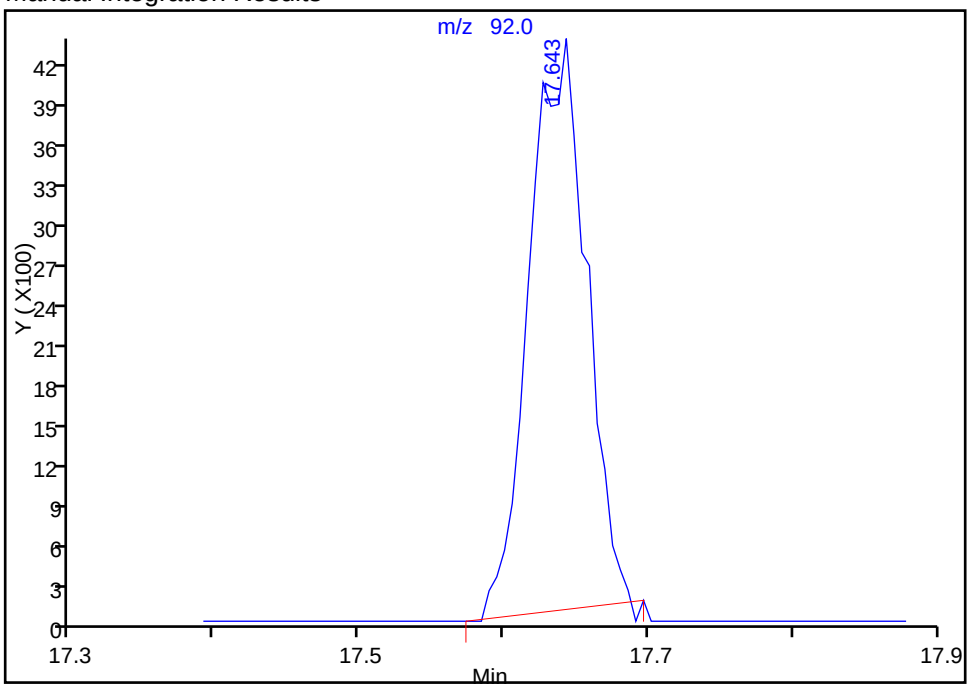
Processing Integration Results

RT: 17.64
Response: 7927
Amount: 0.052337



Manual Integration Results

RT: 17.64
Response: 11603
Amount: 0.076607



Reviewer: lyonsb, 18-Jul-2014 10:02:04
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

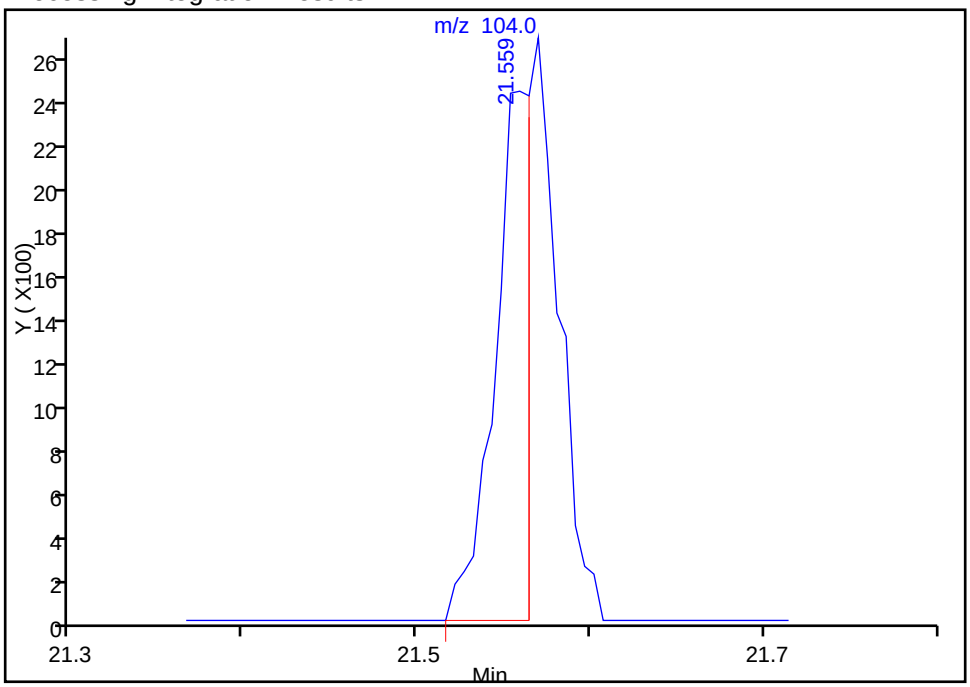
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d				
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5

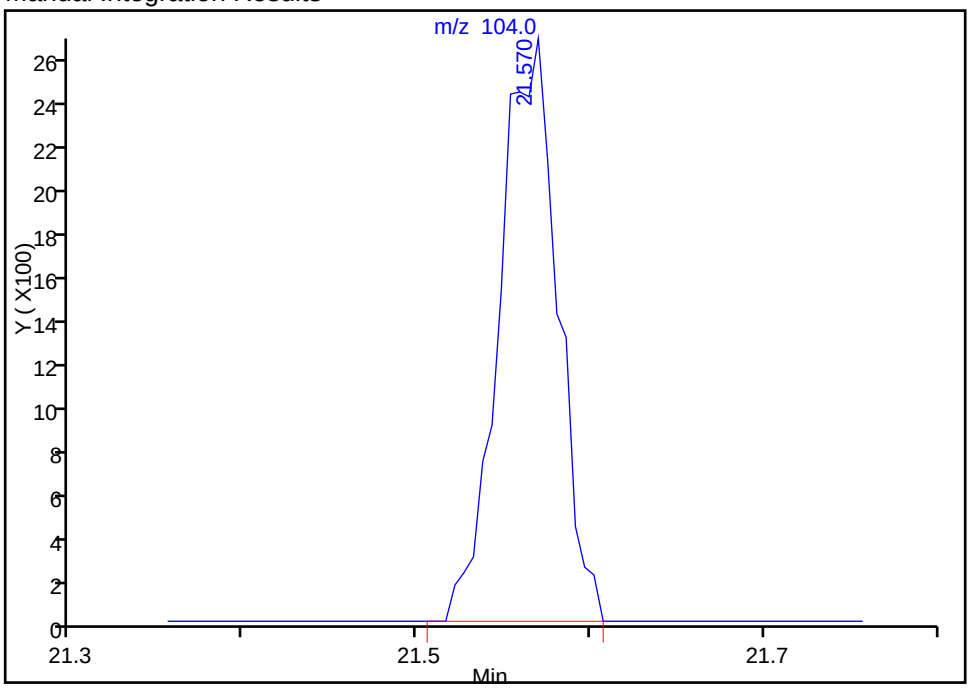
Processing Integration Results

RT: 21.56
Response: 3470
Amount: 0.018195



Manual Integration Results

RT: 21.57
Response: 6098
Amount: 0.031975



Reviewer: lyonsb, 18-Jul-2014 10:02:04
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

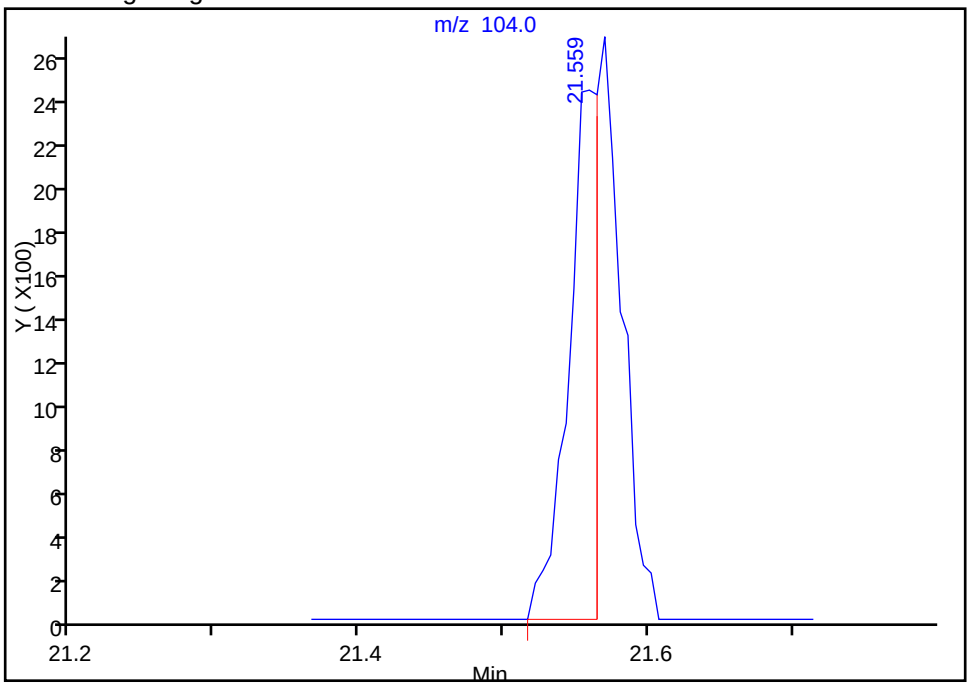
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_023.d				
Injection Date:	18-Jul-2014 05:21:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-12	Lab Sample ID:	200-23187-12		
Client ID:	SDS-7				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.2500		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5

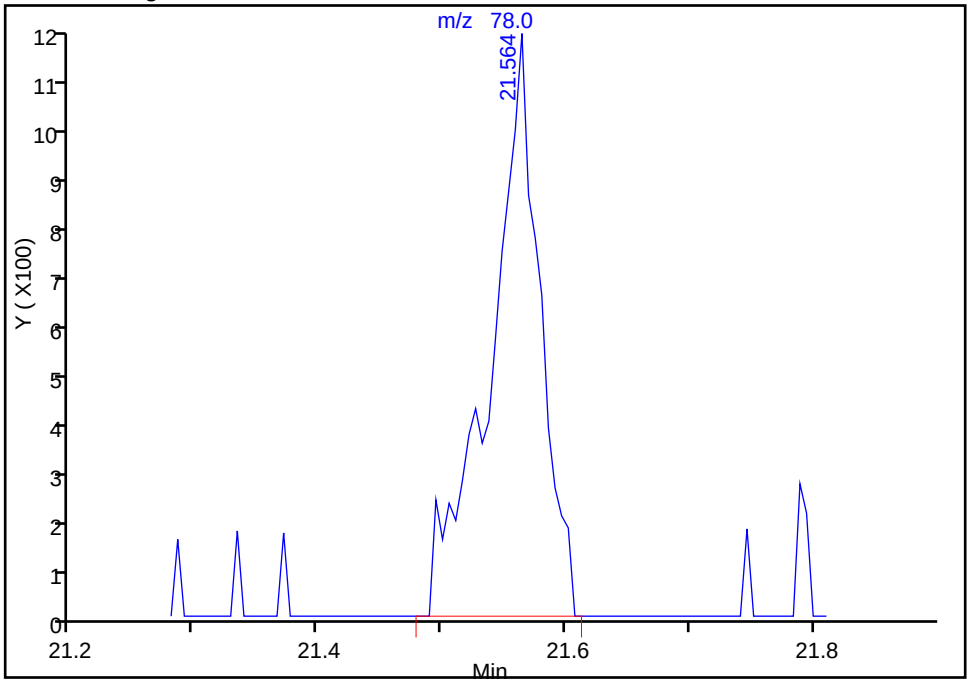
Processing Integration Results

RT: 21.56
Response: 0
Amount: 0.018195



Manual Integration Results

RT: 21.56
Response: 3237
Amount: 0.031975



Reviewer: lyonsb, 18-Jul-2014 10:02:04
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-8 Lab Sample ID: 200-23187-13

Matrix: Air Lab File ID: 8602_024.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:40

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 06:09

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	1.9		1.0	0.060
75-45-6	Freon 22	86.47	0.85	J	1.0	0.096
76-14-2	Freon-114	170.92	0.40	U	0.40	0.070
74-87-3	Chloromethane	50.49	0.36	J	1.0	0.27
106-97-8	n-Butane	58.12	9.2		1.0	0.56
75-01-4	Vinyl chloride	62.50	0.080	U	0.080	0.076
106-99-0	1,3-Butadiene	54.09	0.40	U	0.40	0.084
74-83-9	Bromomethane	94.94	0.40	U	0.40	0.056
75-00-3	Chloroethane	64.52	1.0	U	1.0	0.060
593-60-2	Vinyl bromide	106.96	0.40	U	0.40	0.060
75-69-4	Freon 11	137.37	0.46		0.40	0.060
76-13-1	Freon 113	187.38	1.4		0.40	0.036
75-35-4	1,1-Dichloroethene	96.94	0.40	U	0.40	0.048
67-64-1	Acetone	58.08	12		10	2.5
67-63-0	Isopropyl alcohol	60.10	49		10	0.43
75-15-0	Carbon disulfide	76.14	3.7		1.0	0.13
107-05-1	Allyl chloride	76.53	1.0	U	1.0	0.068
75-09-2	Methylene Chloride	84.93	45		1.0	0.25
75-65-0	tert-Butyl alcohol	74.12	10	U	10	0.66
1634-04-4	Methyl tert-butyl ether	88.15	0.40	U	0.40	0.044
156-60-5	trans-1,2-Dichloroethene	96.94	0.11	J	0.40	0.058
110-54-3	Hexane	86.17	0.40	U	0.40	0.068
75-34-3	1,1-Dichloroethane	98.96	0.44		0.40	0.076
78-93-3	Methyl Ethyl Ketone	72.11	1.4		1.0	0.48
156-59-2	cis-1,2-Dichloroethene	96.94	1.0		0.40	0.076
540-59-0	1,2-Dichloroethene, Total	96.94	1.1		0.40	0.13
67-66-3	Chloroform	119.38	12		0.40	0.050
109-99-9	Tetrahydrofuran	72.11	10	U	10	0.092
71-55-6	1,1,1-Trichloroethane	133.41	0.40	U	0.40	0.042
110-82-7	Cyclohexane	84.16	0.40	U	0.40	0.050
56-23-5	Carbon tetrachloride	153.81	0.080	U	0.080	0.042
540-84-1	2,2,4-Trimethylpentane	114.23	0.40	U	0.40	0.054
71-43-2	Benzene	78.11	0.40	U	0.40	0.038
107-06-2	1,2-Dichloroethane	98.96	0.40	U	0.40	0.034
142-82-5	Heptane	100.21	0.40	U	0.40	0.092

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-8 Lab Sample ID: 200-23187-13

Matrix: Air Lab File ID: 8602_024.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:40

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 06:09

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	15		0.080	0.048
80-62-6	Methyl methacrylate	100.12	1.0	U	1.0	0.060
78-87-5	1,2-Dichloropropane	112.99	0.40	U	0.40	0.064
123-91-1	1,4-Dioxane	88.11	10	U	10	0.40
75-27-4	Bromodichloromethane	163.83	0.15	J	0.40	0.034
10061-01-5	cis-1,3-Dichloropropene	110.97	0.40	U	0.40	0.056
108-10-1	methyl isobutyl ketone	100.16	1.0	U	1.0	0.054
108-88-3	Toluene	92.14	1.5		0.40	0.034
10061-02-6	trans-1,3-Dichloropropene	110.97	0.40	U	0.40	0.044
79-00-5	1,1,2-Trichloroethane	133.41	0.40	U	0.40	0.034
127-18-4	Tetrachloroethene	165.83	2.4		0.40	0.032
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.0	U	1.0	0.40
124-48-1	Dibromochloromethane	208.29	0.40	U	0.40	0.040
106-93-4	1,2-Dibromoethane	187.87	0.40	U	0.40	0.040
108-90-7	Chlorobenzene	112.56	0.40	U	0.40	0.016
100-41-4	Ethylbenzene	106.17	0.11	J	0.40	0.026
179601-23-1	m,p-Xylene	106.17	0.28	J	1.0	0.046
95-47-6	Xylene, o-	106.17	0.083	J	0.40	0.032
1330-20-7	Xylene (total)	106.17	0.36	J	0.40	0.068
100-42-5	Styrene	104.15	0.045	J	0.40	0.036
75-25-2	Bromoform	252.75	0.40	U	0.40	0.020
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.40	U	0.40	0.032
103-65-1	n-Propylbenzene	120.19	0.40	U	0.40	0.16
622-96-8	4-Ethyltoluene	120.20	0.40	U	0.40	0.036
108-67-8	1,3,5-Trimethylbenzene	120.20	0.40	U	0.40	0.024
95-49-8	2-Chlorotoluene	126.59	0.40	U	0.40	0.026
98-06-6	tert-Butylbenzene	134.22	0.40	U	0.40	0.034
95-63-6	1,2,4-Trimethylbenzene	120.20	0.40	U	0.40	0.028
135-98-8	sec-Butylbenzene	134.22	0.40	U	0.40	0.16
99-87-6	4-Isopropyltoluene	134.22	0.23	J	0.40	0.16
541-73-1	1,3-Dichlorobenzene	147.00	0.074	J B	0.40	0.028
106-46-7	1,4-Dichlorobenzene	147.00	0.40	U	0.40	0.028
100-44-7	Benzyl chloride	126.58	0.40	U	0.40	0.16
104-51-8	n-Butylbenzene	134.22	0.40	U	0.40	0.16

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-8 Lab Sample ID: 200-23187-13

Matrix: Air Lab File ID: 8602_024.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:40

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 06:09

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.40	U	0.40	0.028
120-82-1	1,2,4-Trichlorobenzene	181.45	1.0	U	1.0	0.054
87-68-3	Hexachloro-1,3-butadiene	260.76	0.40	U	0.40	0.044
91-20-3	Naphthalene	128.17	1.0	U	1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-8 Lab Sample ID: 200-23187-13

Matrix: Air Lab File ID: 8602_024.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:40

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 06:09

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	9.2		4.9	0.30
75-45-6	Freon 22	86.47	3.0	J	3.5	0.34
76-14-2	Freon-114	170.92	2.8	U	2.8	0.49
74-87-3	Chloromethane	50.49	0.74	J	2.1	0.56
106-97-8	n-Butane	58.12	22		2.4	1.3
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.19
106-99-0	1,3-Butadiene	54.09	0.88	U	0.88	0.19
74-83-9	Bromomethane	94.94	1.6	U	1.6	0.22
75-00-3	Chloroethane	64.52	2.6	U	2.6	0.16
593-60-2	Vinyl bromide	106.96	1.7	U	1.7	0.26
75-69-4	Freon 11	137.37	2.6		2.2	0.34
76-13-1	Freon 113	187.38	11		3.1	0.28
75-35-4	1,1-Dichloroethene	96.94	1.6	U	1.6	0.19
67-64-1	Acetone	58.08	29		24	5.9
67-63-0	Isopropyl alcohol	60.10	120		25	1.1
75-15-0	Carbon disulfide	76.14	11		3.1	0.41
107-05-1	Allyl chloride	76.53	3.1	U	3.1	0.21
75-09-2	Methylene Chloride	84.93	160		3.5	0.87
75-65-0	tert-Butyl alcohol	74.12	30	U	30	2.0
1634-04-4	Methyl tert-butyl ether	88.15	1.4	U	1.4	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	0.42	J	1.6	0.23
110-54-3	Hexane	86.17	1.4	U	1.4	0.24
75-34-3	1,1-Dichloroethane	98.96	1.8		1.6	0.31
78-93-3	Methyl Ethyl Ketone	72.11	4.2		2.9	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	4.2		1.6	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	4.4		1.6	0.51
67-66-3	Chloroform	119.38	61		2.0	0.24
109-99-9	Tetrahydrofuran	72.11	29	U	29	0.27
71-55-6	1,1,1-Trichloroethane	133.41	2.2	U	2.2	0.23
110-82-7	Cyclohexane	84.16	1.4	U	1.4	0.17
56-23-5	Carbon tetrachloride	153.81	0.50	U	0.50	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	1.9	U	1.9	0.25
71-43-2	Benzene	78.11	1.3	U	1.3	0.12
107-06-2	1,2-Dichloroethane	98.96	1.6	U	1.6	0.14
142-82-5	Heptane	100.21	1.6	U	1.6	0.38

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-8 Lab Sample ID: 200-23187-13

Matrix: Air Lab File ID: 8602_024.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:40

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 06:09

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	81		0.43	0.26
80-62-6	Methyl methacrylate	100.12	4.1	U	4.1	0.25
78-87-5	1,2-Dichloropropane	112.99	1.8	U	1.8	0.30
123-91-1	1,4-Dioxane	88.11	36	U	36	1.4
75-27-4	Bromodichloromethane	163.83	1.0	J	2.7	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	1.8	U	1.8	0.25
108-10-1	methyl isobutyl ketone	100.16	4.1	U	4.1	0.22
108-88-3	Toluene	92.14	5.8		1.5	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	1.8	U	1.8	0.20
79-00-5	1,1,2-Trichloroethane	133.41	2.2	U	2.2	0.19
127-18-4	Tetrachloroethene	165.83	16		2.7	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.1	U	4.1	1.6
124-48-1	Dibromochloromethane	208.29	3.4	U	3.4	0.34
106-93-4	1,2-Dibromoethane	187.87	3.1	U	3.1	0.31
108-90-7	Chlorobenzene	112.56	1.8	U	1.8	0.075
100-41-4	Ethylbenzene	106.17	0.49	J	1.7	0.11
179601-23-1	m,p-Xylene	106.17	1.2	J	4.3	0.20
95-47-6	Xylene, o-	106.17	0.36	J	1.7	0.14
1330-20-7	Xylene (total)	106.17	1.6	J	1.7	0.30
100-42-5	Styrene	104.15	0.19	J	1.7	0.15
75-25-2	Bromoform	252.75	4.1	U	4.1	0.21
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.7	U	2.7	0.22
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.79
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.18
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	0.12
95-49-8	2-Chlorotoluene	126.59	2.1	U	2.1	0.13
98-06-6	tert-Butylbenzene	134.22	2.2	U	2.2	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0	U	2.0	0.14
135-98-8	sec-Butylbenzene	134.22	2.2	U	2.2	0.88
99-87-6	4-Isopropyltoluene	134.22	1.3	J	2.2	0.88
541-73-1	1,3-Dichlorobenzene	147.00	0.45	J B	2.4	0.17
106-46-7	1,4-Dichlorobenzene	147.00	2.4	U	2.4	0.17
100-44-7	Benzyl chloride	126.58	2.1	U	2.1	0.83
104-51-8	n-Butylbenzene	134.22	2.2	U	2.2	0.88

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: SDS-8 Lab Sample ID: 200-23187-13

Matrix: Air Lab File ID: 8602_024.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:40

Sample wt/vol: 100(mL) Date Analyzed: 07/18/2014 06:09

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	2.4	U	2.4	0.17
120-82-1	1,2,4-Trichlorobenzene	181.45	7.4	U	7.4	0.40
87-68-3	Hexachloro-1,3-butadiene	260.76	4.3	U	4.3	0.47
91-20-3	Naphthalene	128.17	5.2	U	5.2	2.1

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d
Lims ID: 200-23187-A-13 Lab Sample ID: 200-23187-13
Client ID: SDS-8
Sample Type: Client
Inject. Date: 18-Jul-2014 06:09:30 ALS Bottle#: 7 Worklist Smp#: 24
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Sample Info: 200-0008602-024
Misc. Info.: 200-23187-a-13
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Jul-2014 10:06:54 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 18-Jul-2014 10:05:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.488	4.488	0.000	99	110569	0.9349	
6 Chlorodifluoromethane	51	4.552	4.552	0.000	96	25203	0.4262	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.836				ND	
8 Chloromethane	50	5.039	5.034	0.005	96	6238	0.1783	
9 Butane	43	5.296	5.291	0.006	99	266715	4.60	
10 Vinyl chloride	62		5.349				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.318				ND	
14 Chloroethane	64		6.601				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101	7.190	7.190	0.000	97	29712	0.2277	
23 1,1,2-Trichloro-1,2,2-trif	101	8.436	8.436	0.000	96	69153	0.6914	
24 1,1-Dichloroethene	96		8.511				ND	
25 Acetone	43	8.747	8.741	0.006	89	379057	6.14	
26 Carbon disulfide	76	9.003	9.003	0.000	99	224549	1.84	
27 Isopropyl alcohol	45	9.019	9.025	-0.006	98	1271499	24.4	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49	9.731	9.731	0.000	83	957225	22.6	
32 2-Methyl-2-propanol	59		9.897				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61				0		0.5773	
34 trans-1,2-Dichloroethene	61	10.228	10.228	0.000	78	3097	0.0526	
36 Hexane	57		10.640				ND	
37 1,1-Dichloroethane	63	11.197	11.191	0.006	98	16979	0.2182	
39 cis-1,2-Dichloroethene	96	12.368	12.363	0.005	93	28934	0.5247	
40 2-Butanone (MEK)	72	12.374	12.379	-0.005	99	18406	0.7064	
44 Tetrahydrofuran	42		12.839				ND	
* 43 Chlorobromomethane	128	12.844	12.850	-0.006	75	404470	10.0	
45 Chloroform	83	12.951	12.957	-0.006	99	599241	6.22	
46 Cyclohexane	84		13.256				ND	M
47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.524				ND	
51 Isooctane	57		13.909				ND	
50 Benzene	78		13.973				ND	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.262				ND	
* 54 1,4-Difluorobenzene	114	14.727	14.727	0.000	92	1937455	10.0	
56 Trichloroethene	95	15.198	15.198	0.000	93	539548	7.58	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.888				ND	
62 Dichlorobromomethane	83	16.204	16.209	-0.005	96	7565	0.0746	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.301				ND	
66 Toluene	92	17.638	17.638	0.000	94	95933	0.7653	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166	18.676	18.681	-0.005	96	155157	1.20	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.1805	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	82	1763984	10.0	
77 Chlorobenzene	112		20.478				ND	
78 Ethylbenzene	91	20.596	20.596	0.000	96	13932	0.0559	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	98	14814	0.1391	
83 o-Xylene	106	21.522	21.527	-0.005	95	4505	0.0414	
84 Styrene	104	21.564	21.564	0.000	90	3517	0.0223	
85 Bromoform	173		21.949				ND	
$ 87 4-Bromofluorobenzene	95	22.436	22.436	0.000	97	1152840	NC	
88 1,1,2,2-Tetrachloroethane	83		22.666				ND	
90 N-Propylbenzene	91		22.741				ND	
91 4-Ethyltoluene	105		22.907				ND	
92 2-Chlorotoluene	91		22.945				ND	
94 1,3,5-Trimethylbenzene	105		22.998				ND	
96 tert-Butylbenzene	119		23.474				ND	
97 1,2,4-Trimethylbenzene	105		23.565				ND	
98 sec-Butylbenzene	105		23.806				ND	
99 4-Isopropyltoluene	119	24.004	24.009	-0.005	98	36685	0.1140	
100 1,3-Dichlorobenzene	146	24.073	24.079	-0.006	99	7314	0.0372	
101 1,4-Dichlorobenzene	146		24.223				ND	
102 Benzyl chloride	91		24.432				ND	
103 n-Butylbenzene	91		24.640				ND	
105 1,2-Dichlorobenzene	146		24.828				ND	
107 1,2,4-Trichlorobenzene	180		27.706				ND	
108 Hexachlorobutadiene	225		27.904				ND	
109 Naphthalene	128		28.289				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

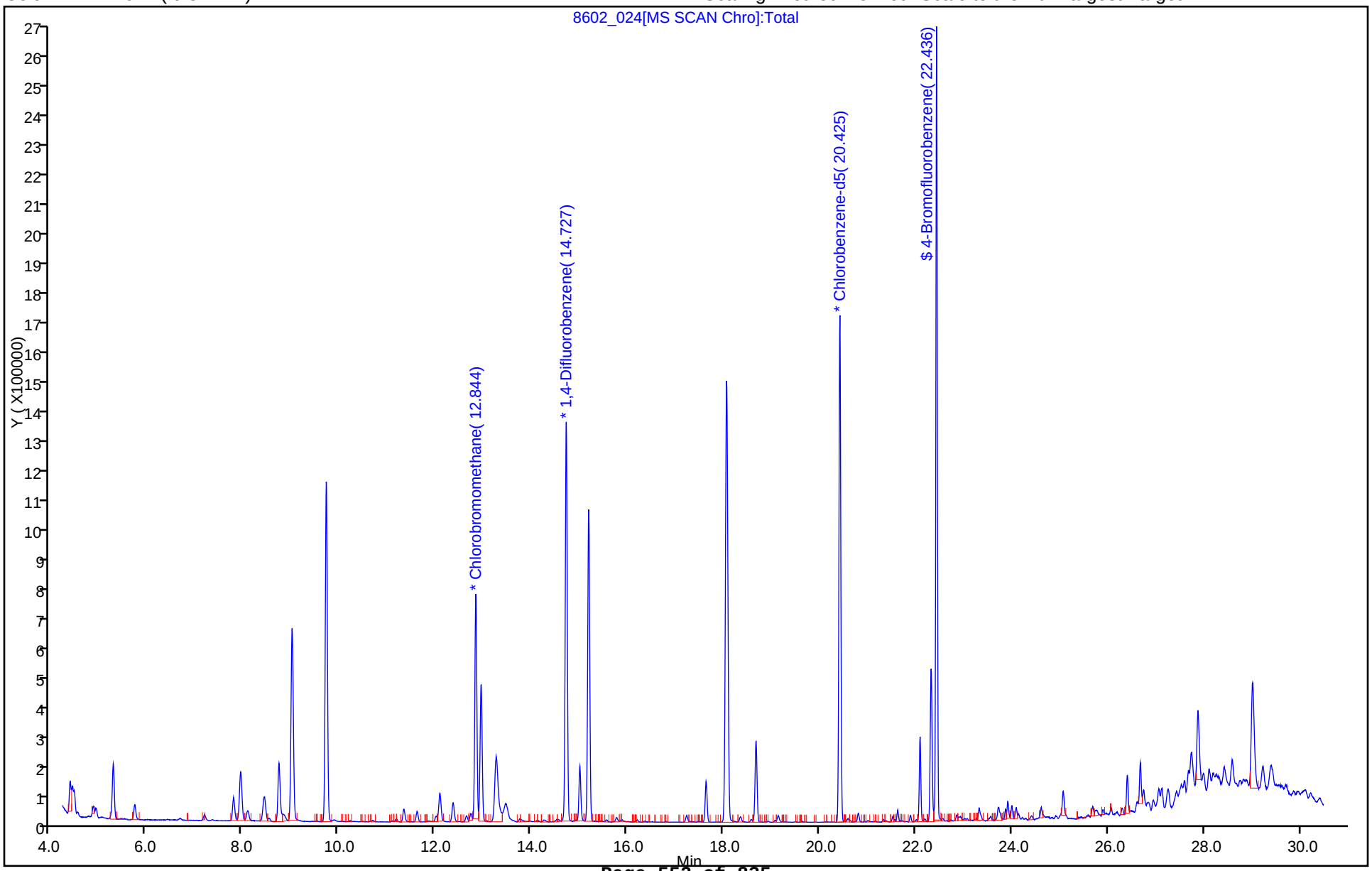
Report Date: 18-Jul-2014 10:17:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13	Worklist Smp#:	24
Client ID:	SDS-8				
Purge Vol:	200.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



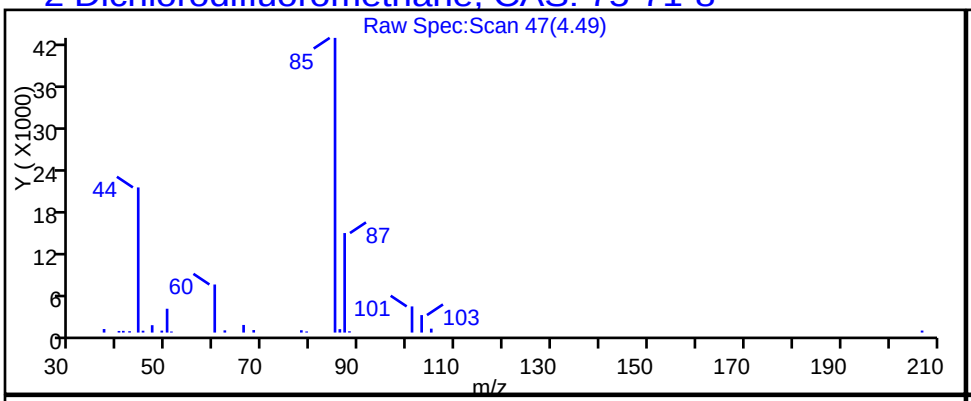
Report Date: 18-Jul-2014 10:17:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

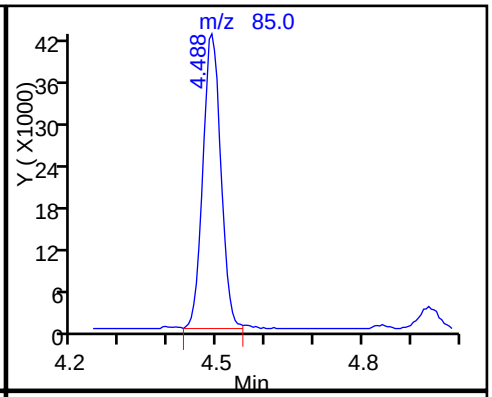
TestAmerica Burlington

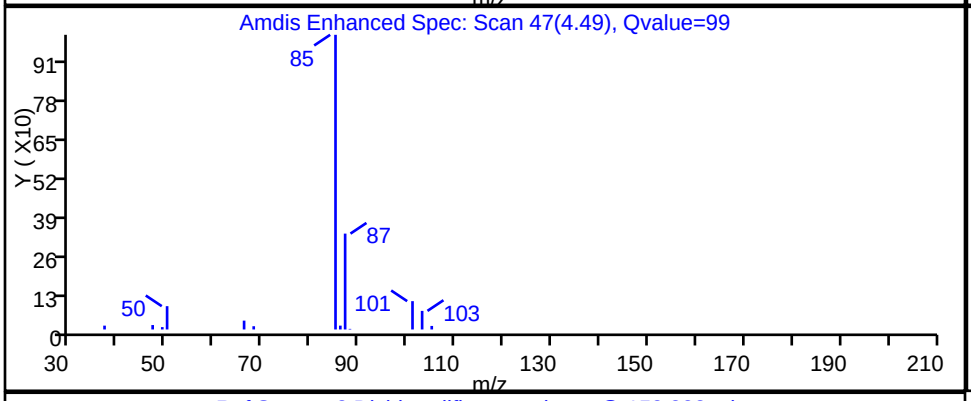
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

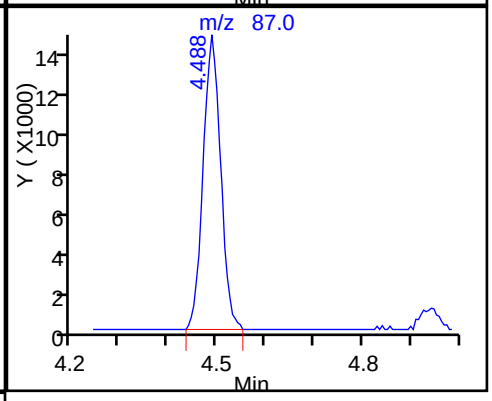
Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

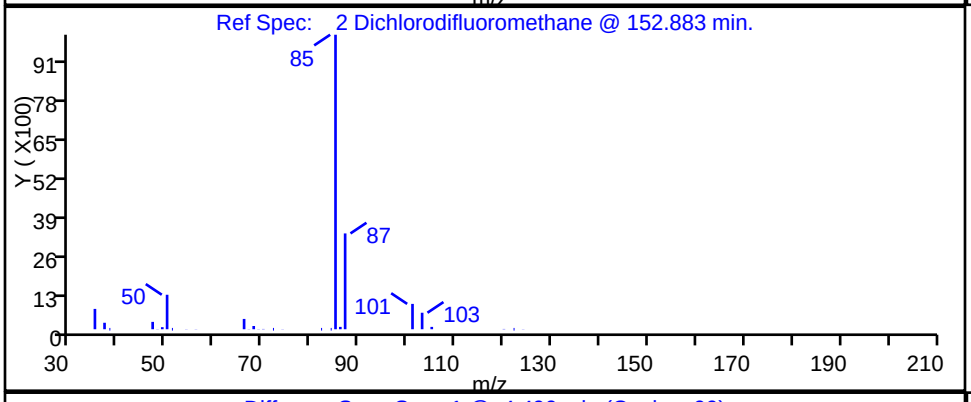
2 Dichlorodifluoromethane, CAS: 75-71-8

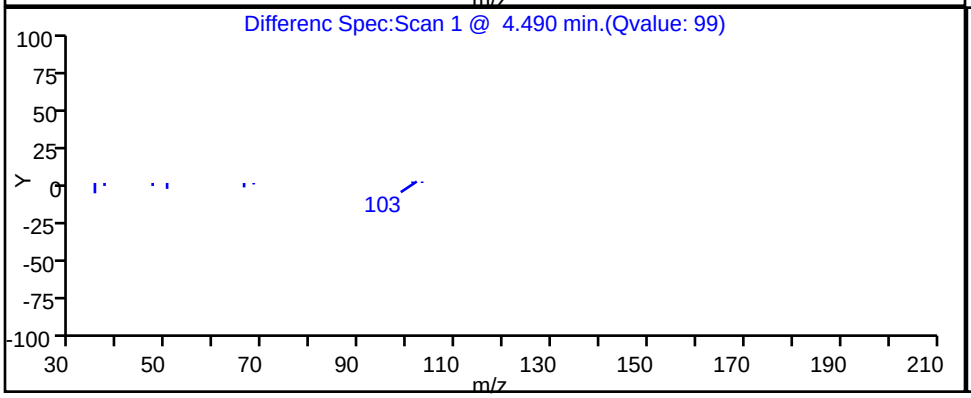


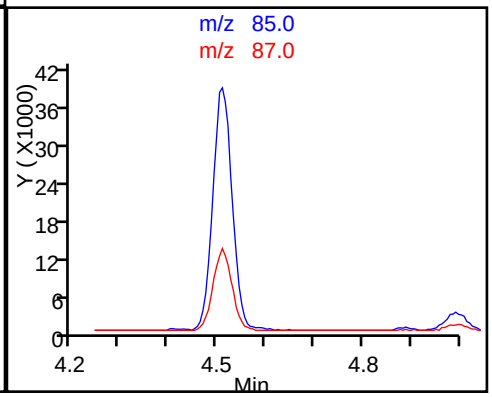












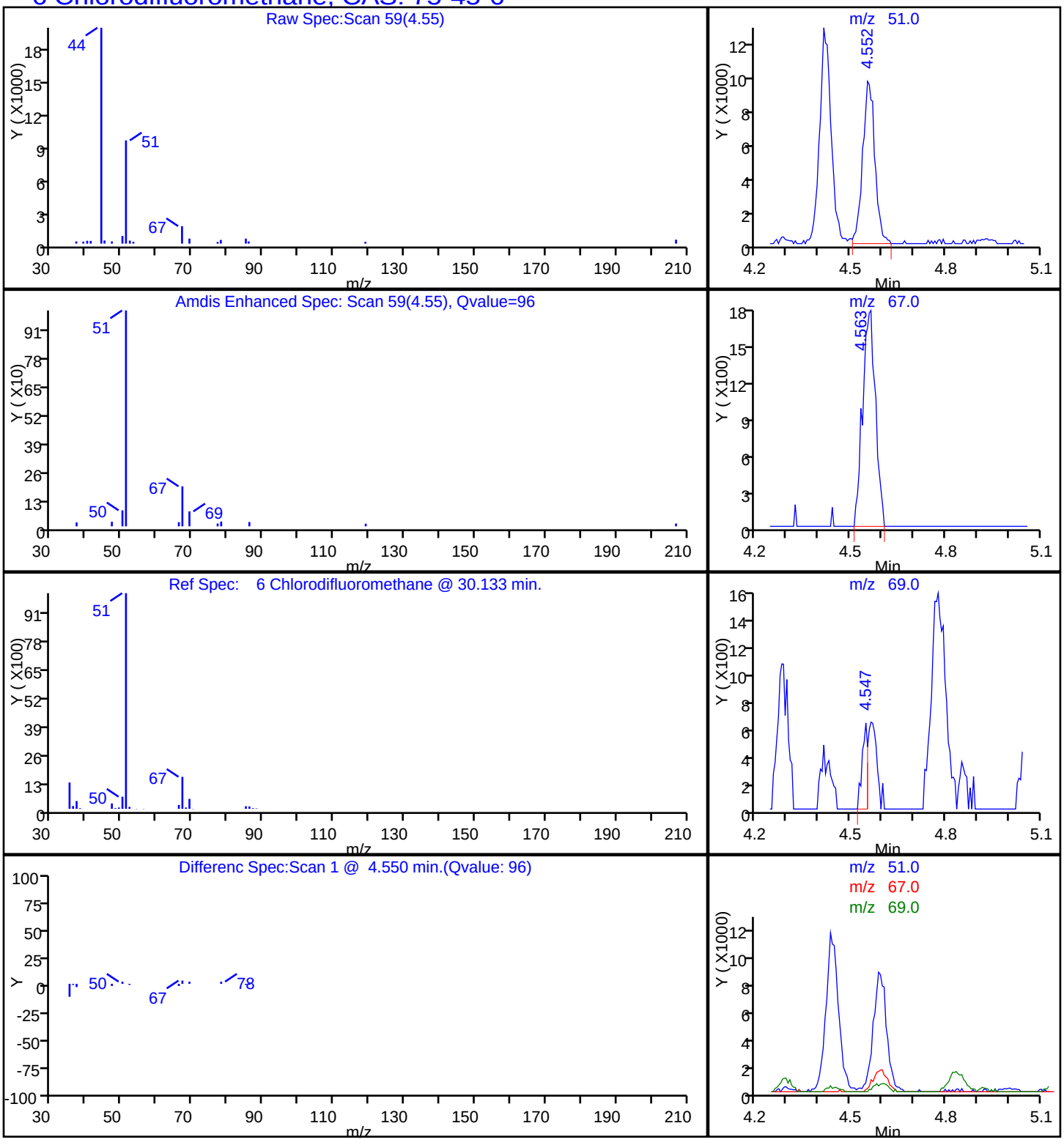
Report Date: 18-Jul-2014 10:17:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



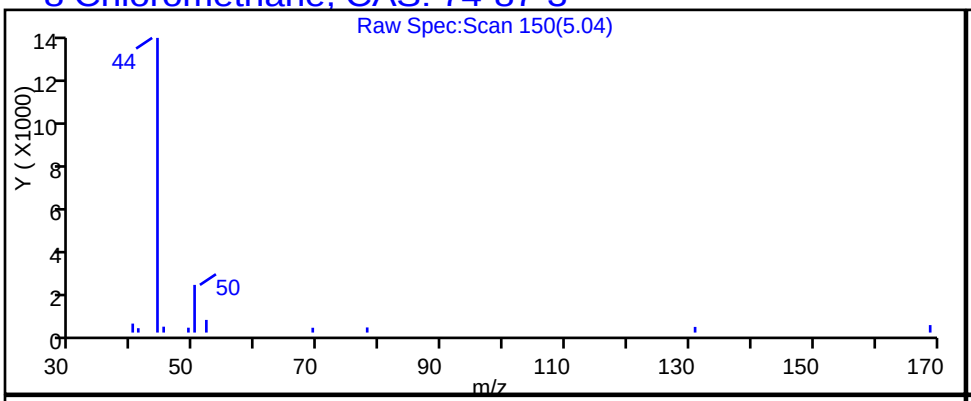
Report Date: 18-Jul-2014 10:17:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

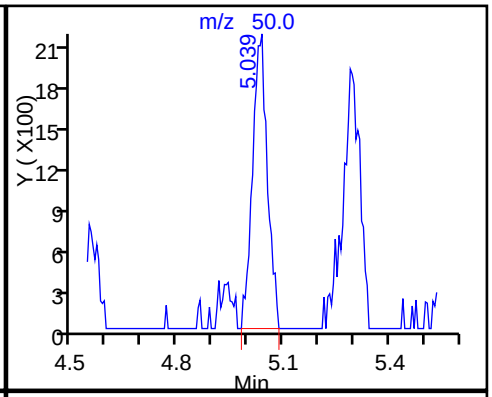
TestAmerica Burlington

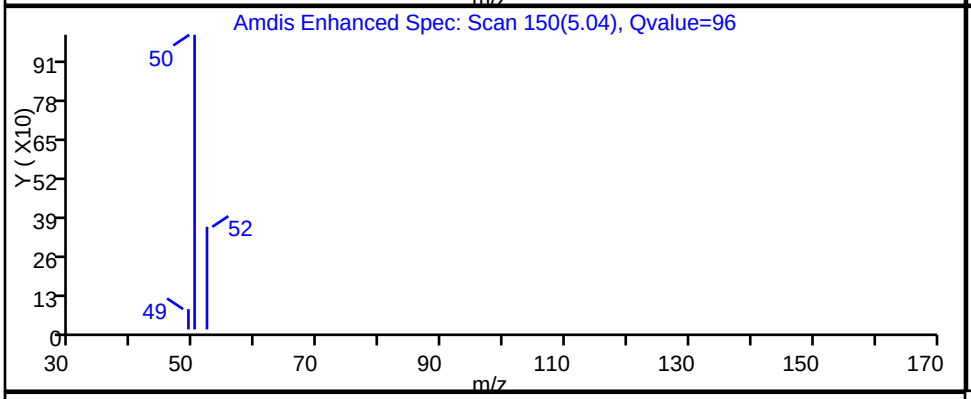
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

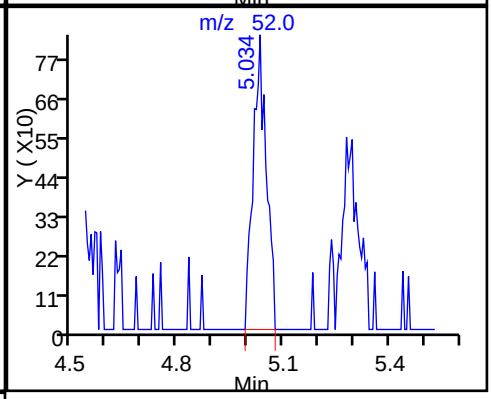
Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

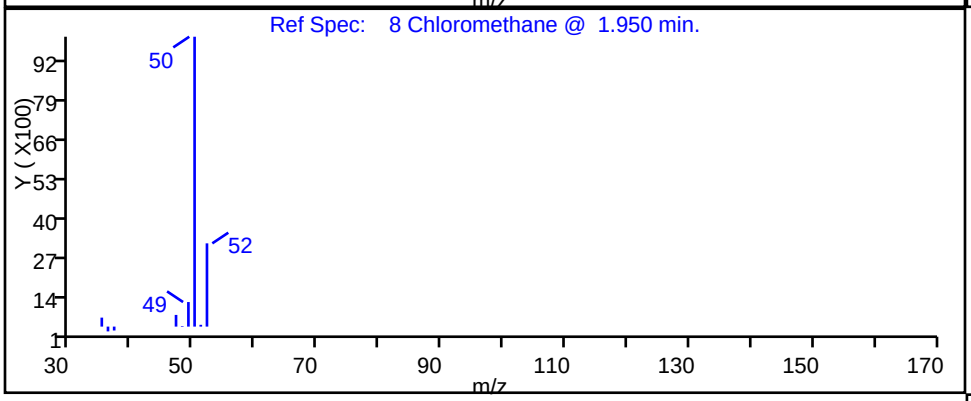
8 Chloromethane, CAS: 74-87-3

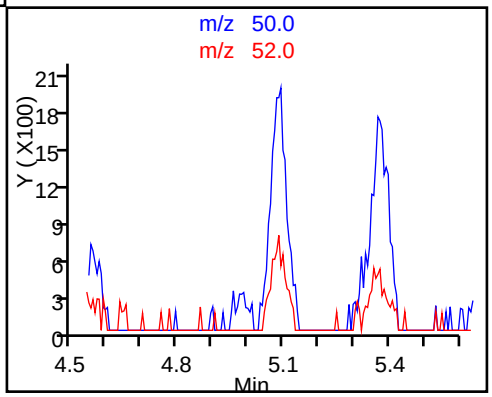












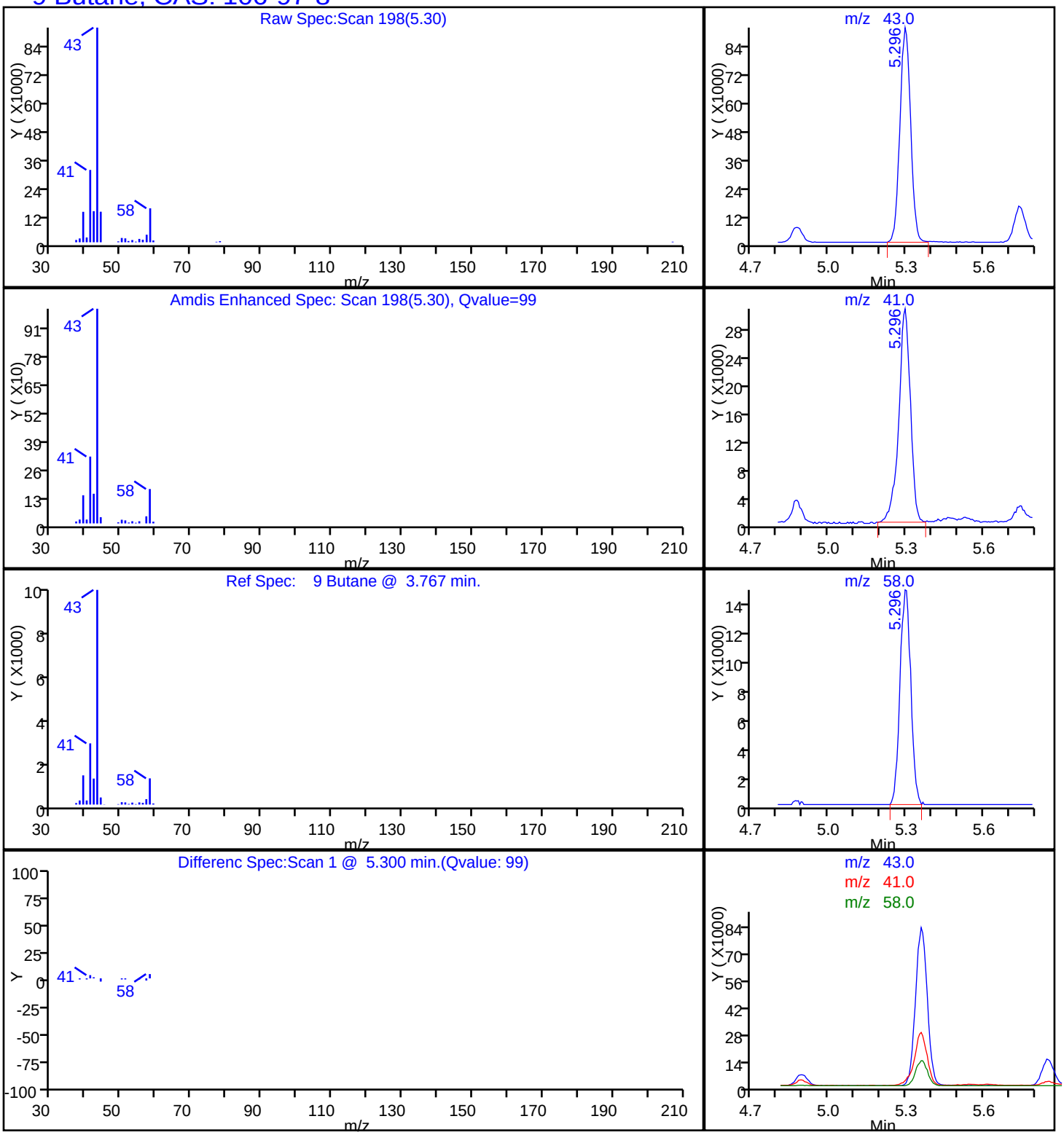
Report Date: 18-Jul-2014 10:17:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



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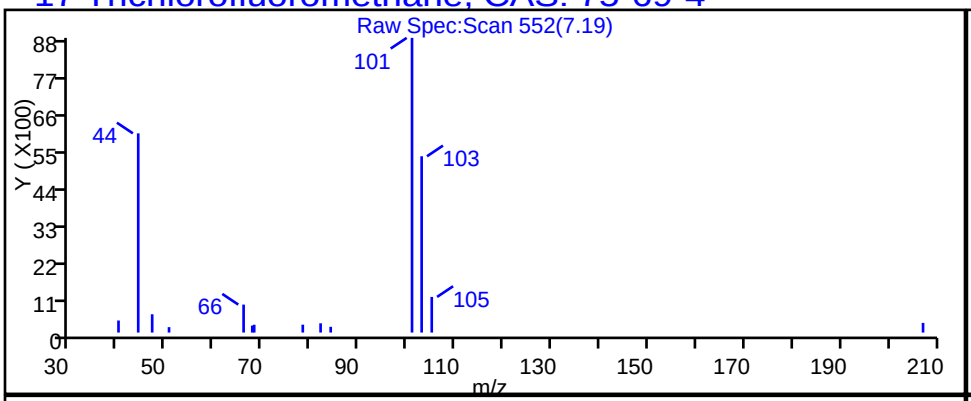
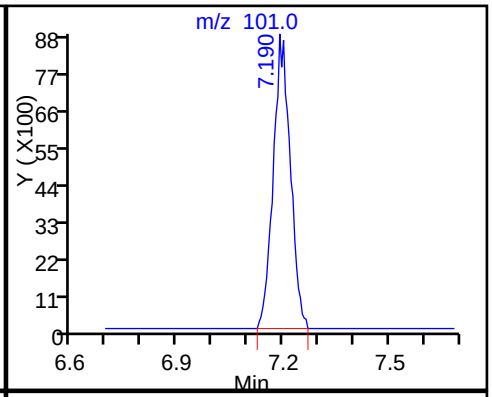
TestAmerica Burlington

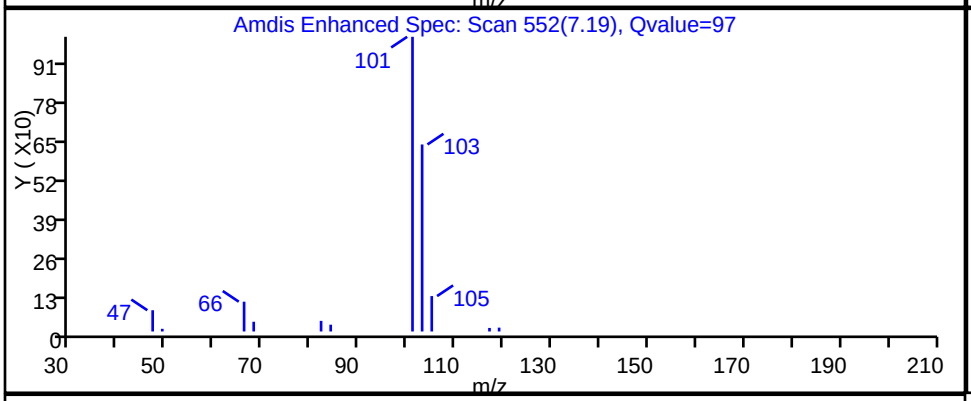
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

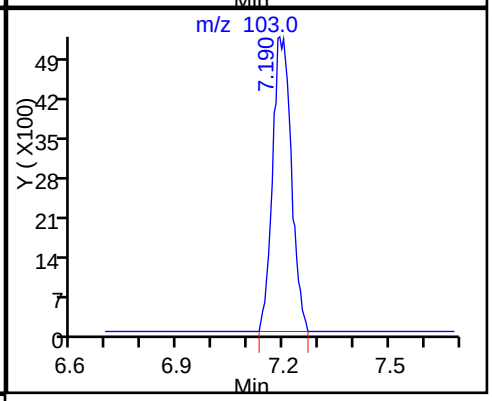
Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

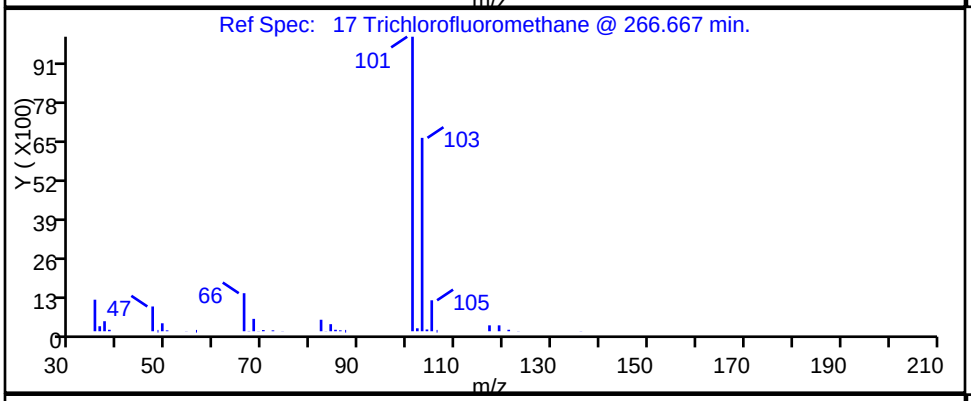
17 Trichlorofluoromethane, CAS: 75-69-4

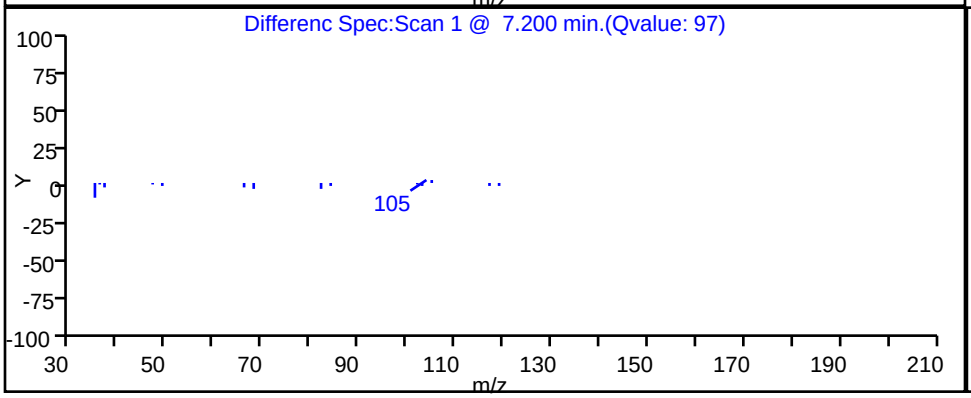


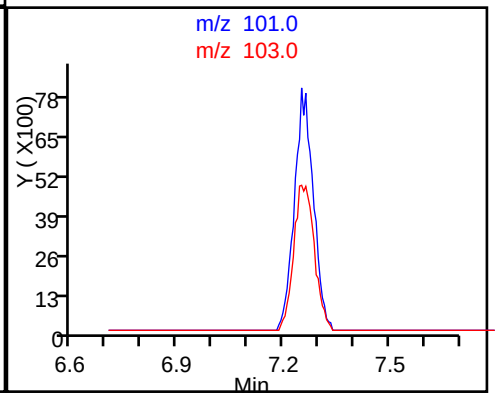












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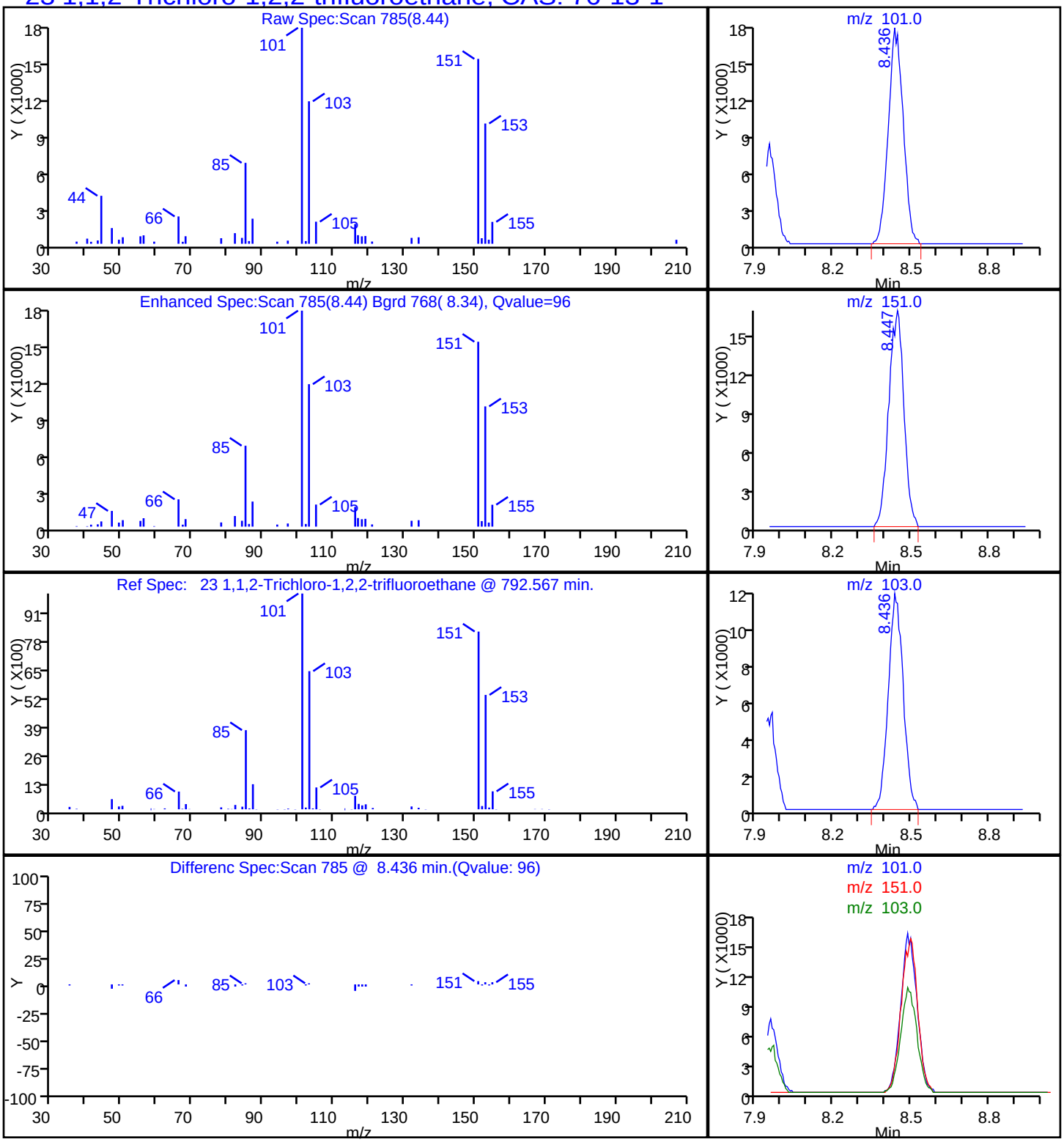
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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TestAmerica Burlington

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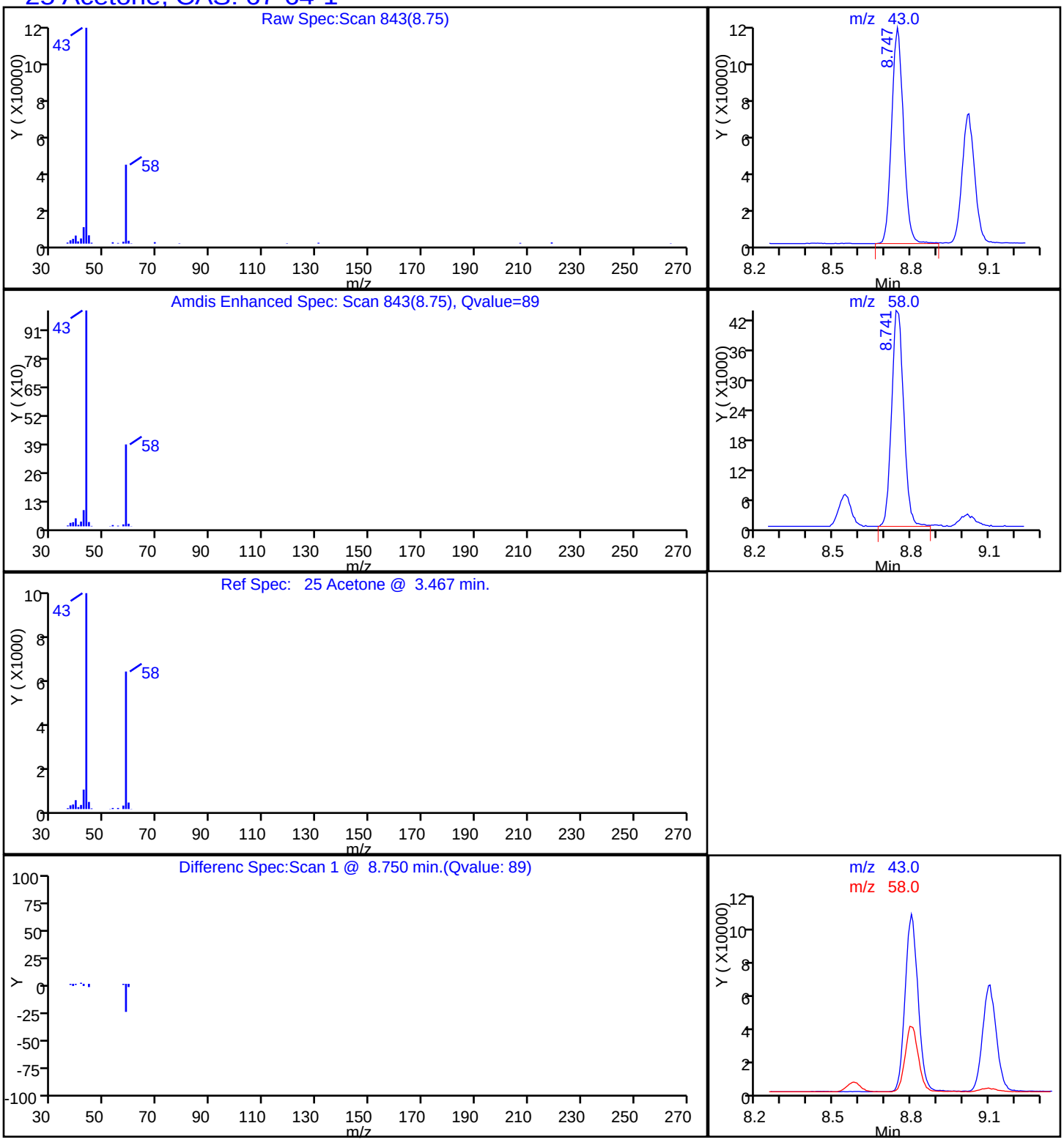
Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



Report Date: 18-Jul-2014 10:17:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

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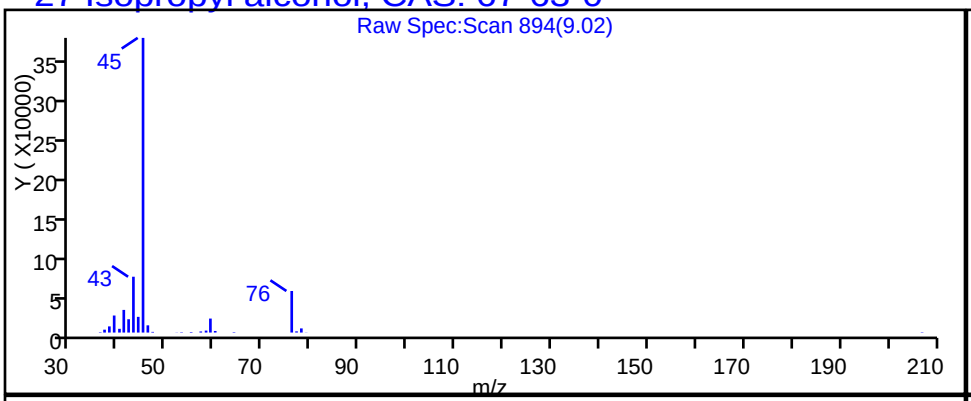
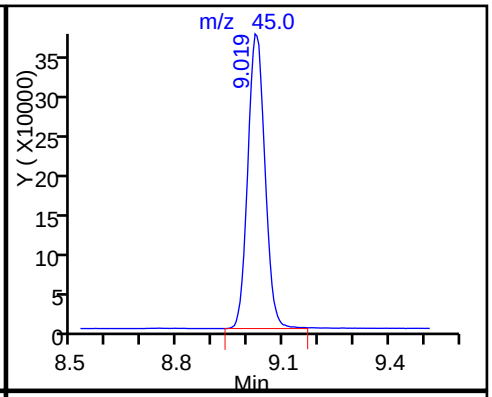
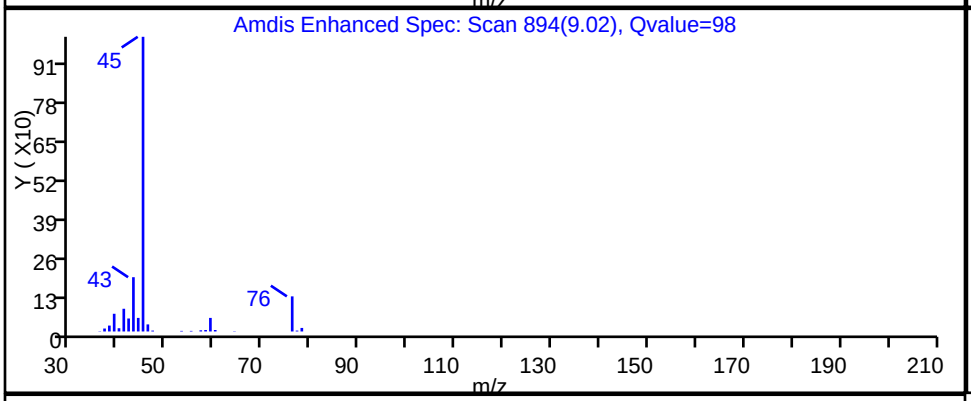
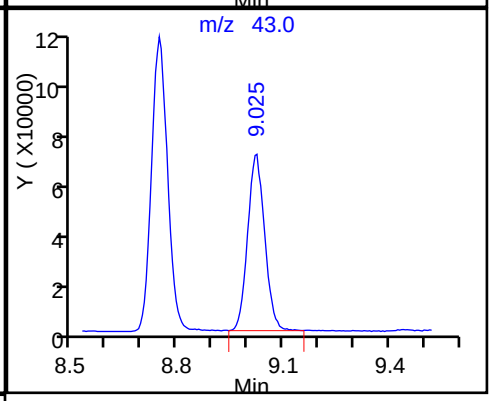
Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

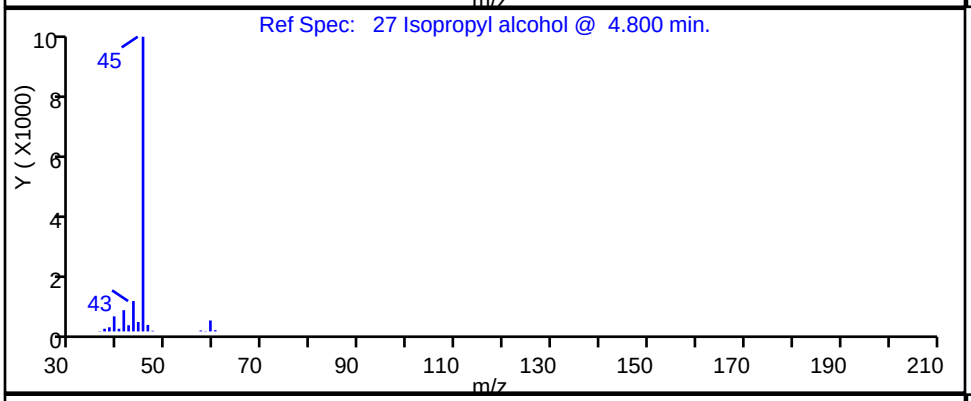
27 Isopropyl alcohol, CAS: 67-63-0

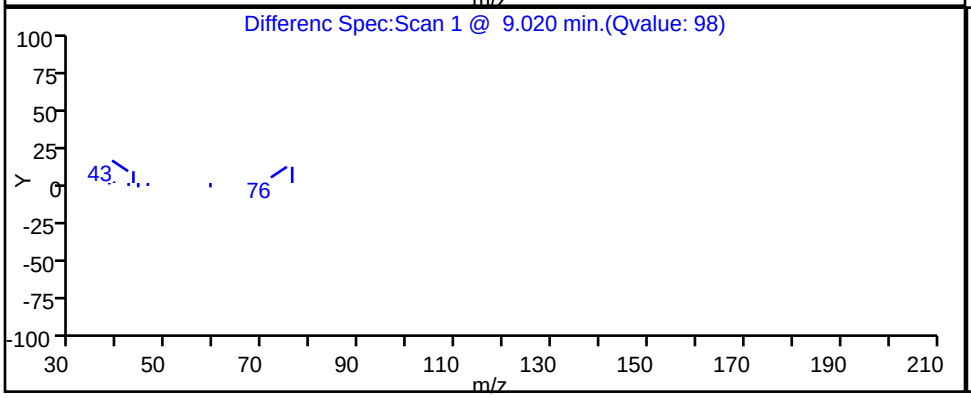


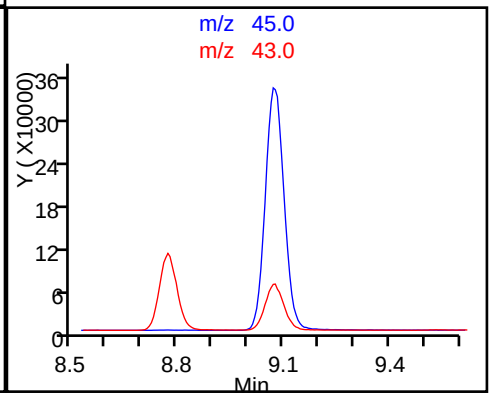












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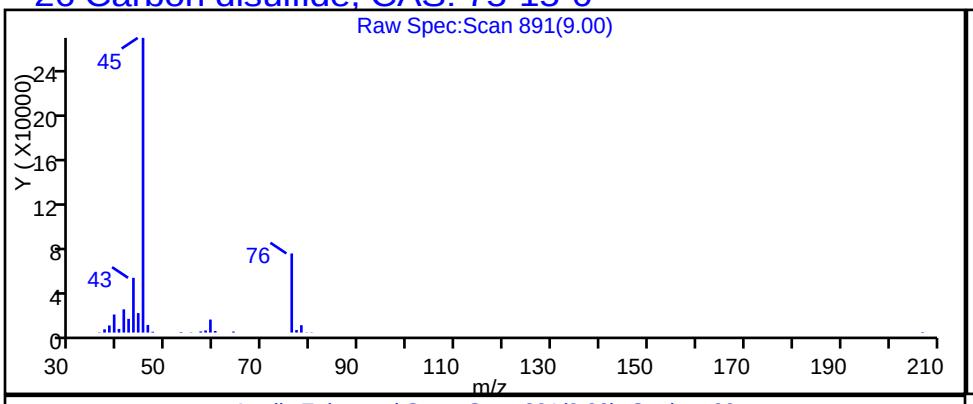
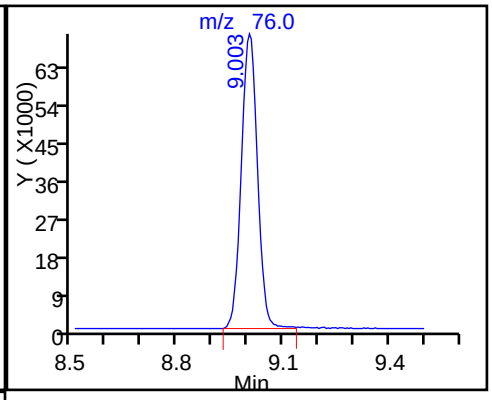
TestAmerica Burlington

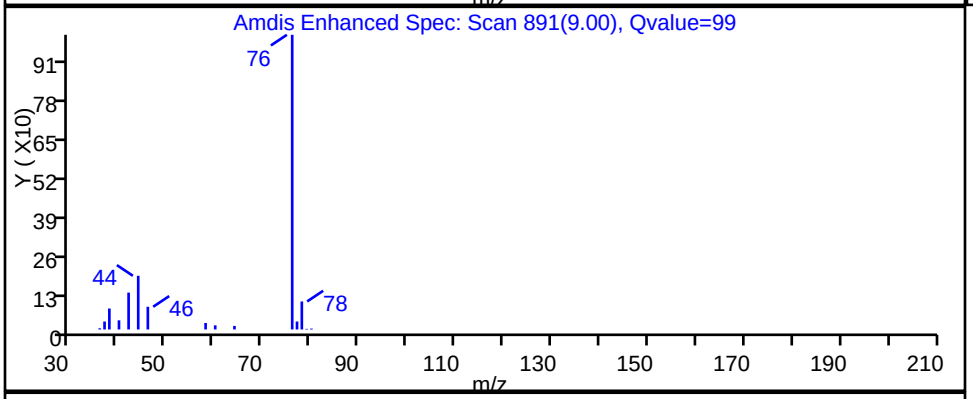
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

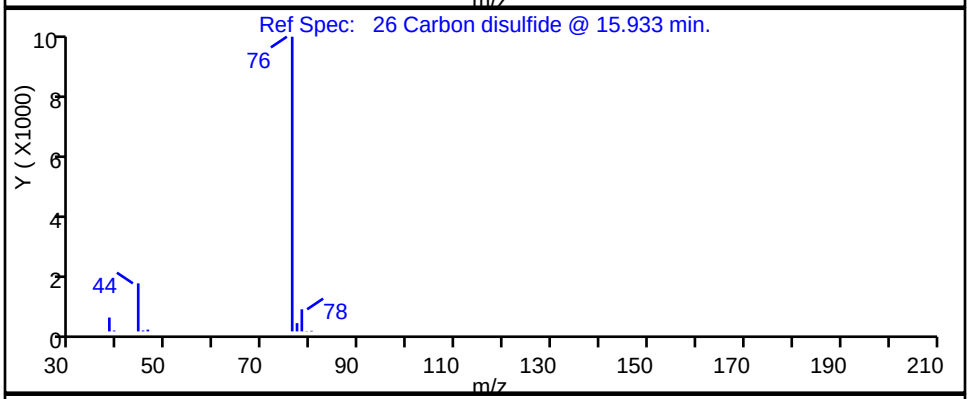
Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

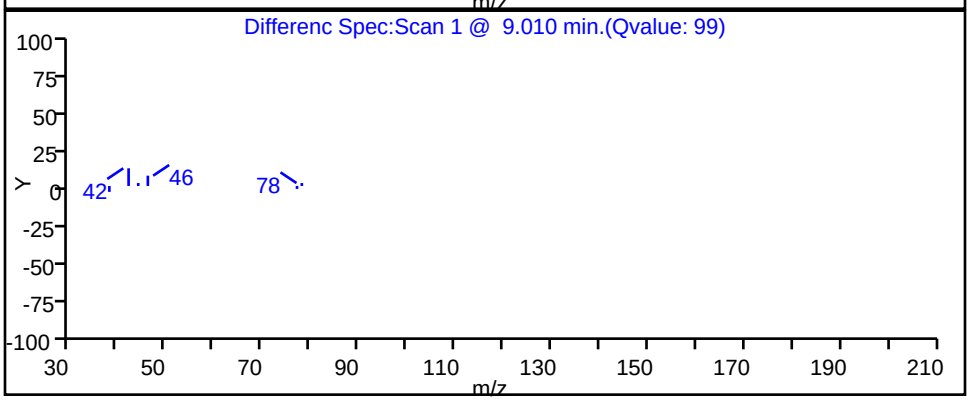
26 Carbon disulfide, CAS: 75-15-0











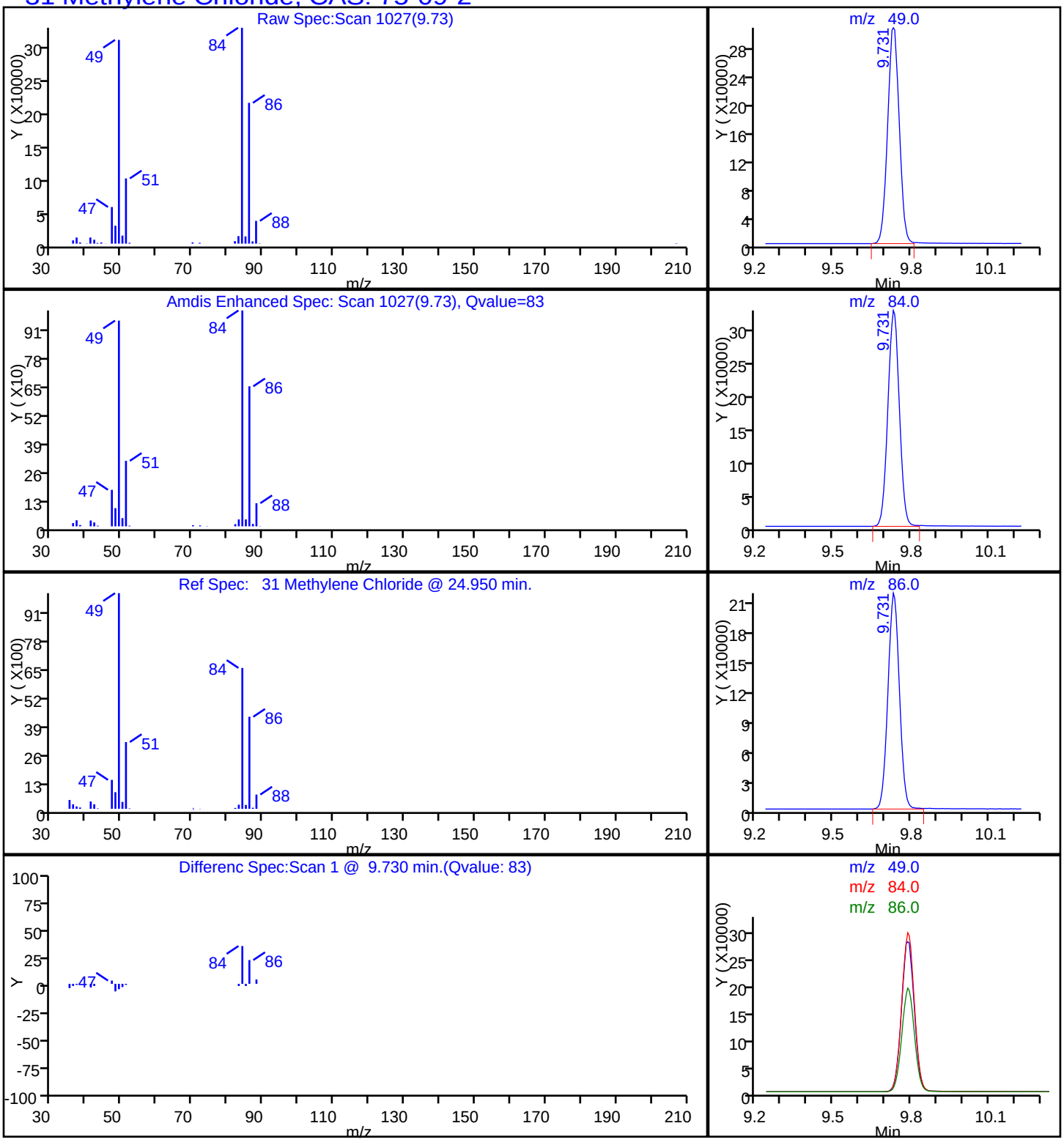
Report Date: 18-Jul-2014 10:17:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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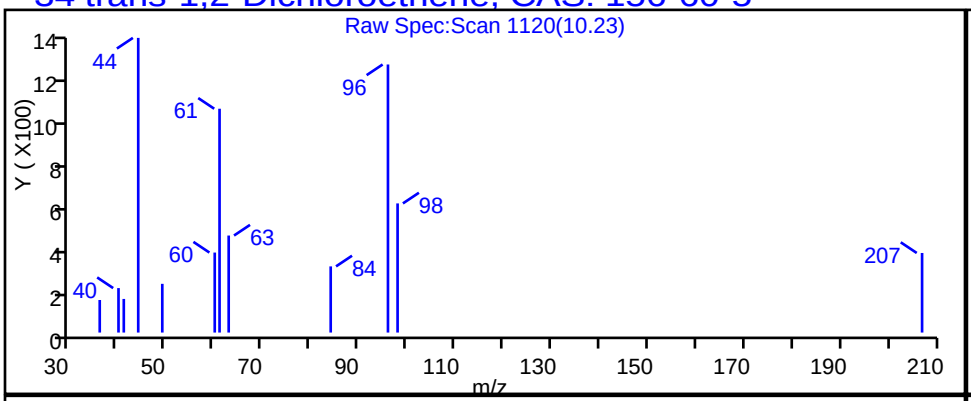
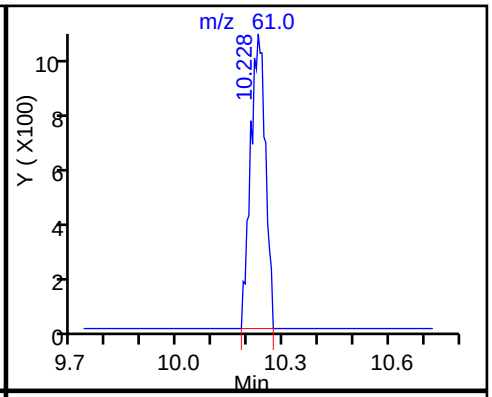
TestAmerica Burlington

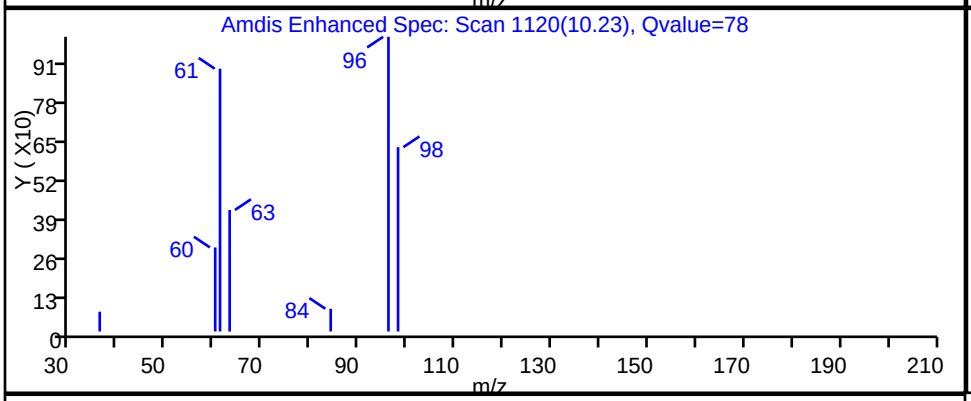
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

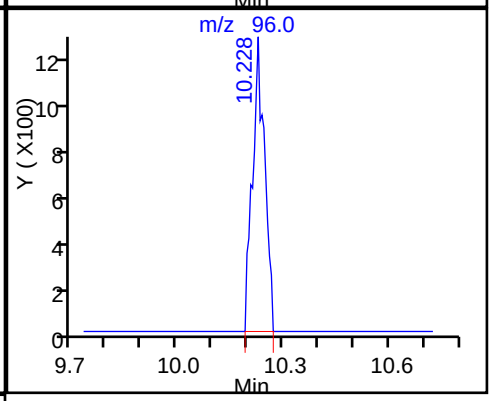
Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

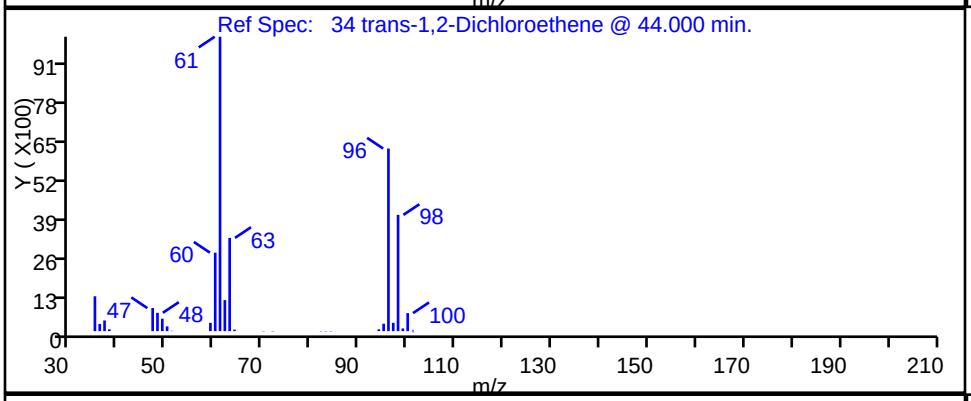
34 trans-1,2-Dichloroethene, CAS: 156-60-5

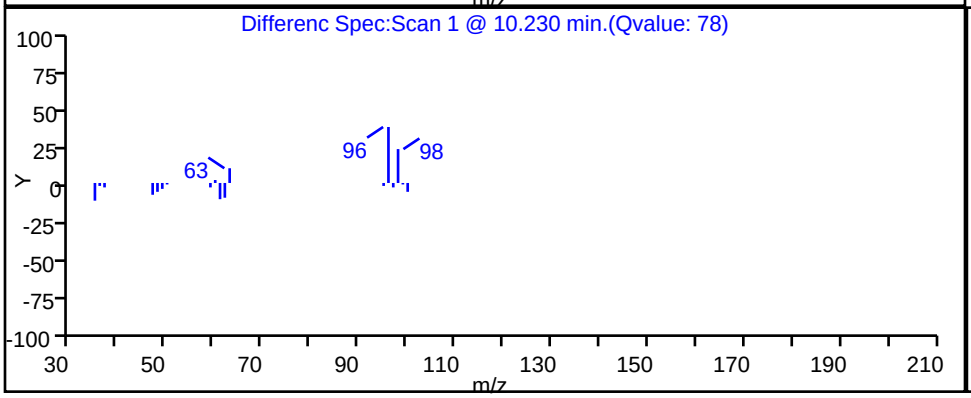


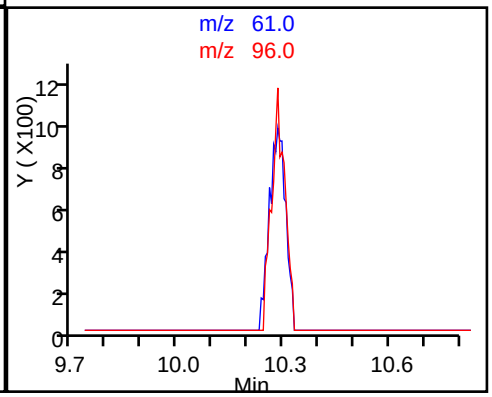












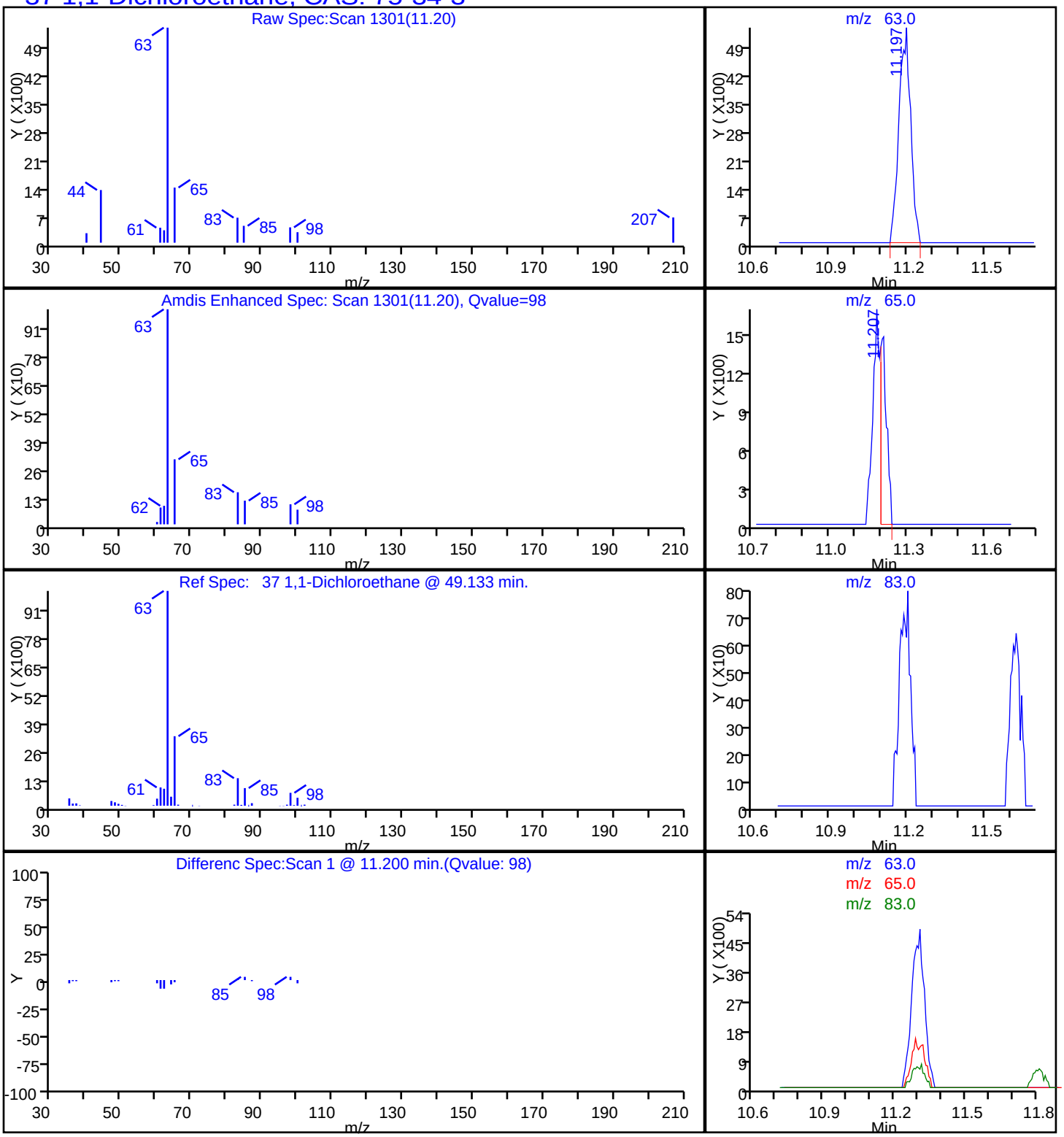
Report Date: 18-Jul-2014 10:17:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



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TestAmerica Burlington

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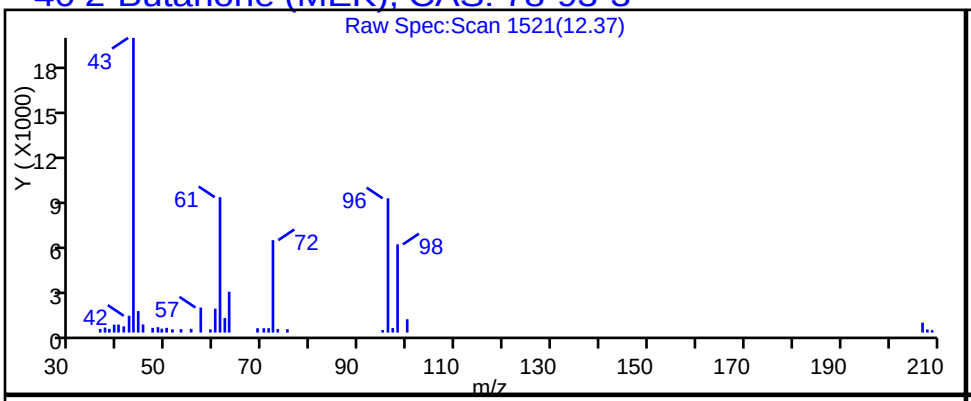
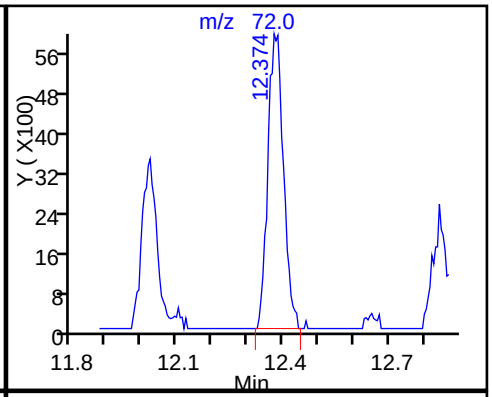
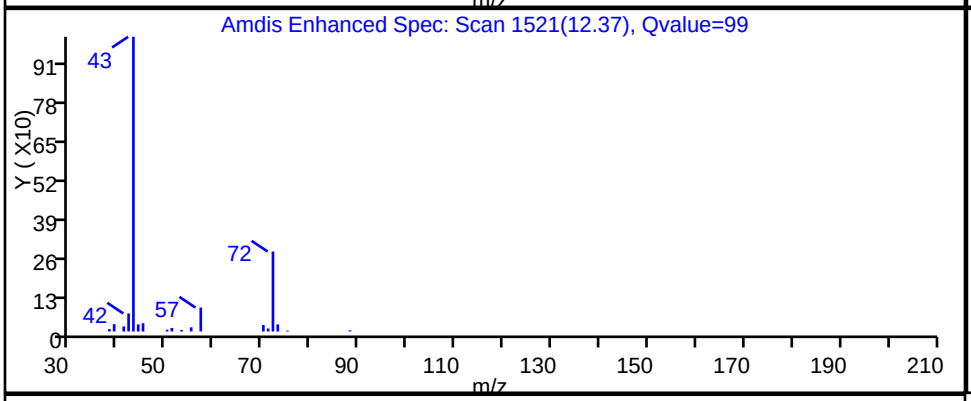
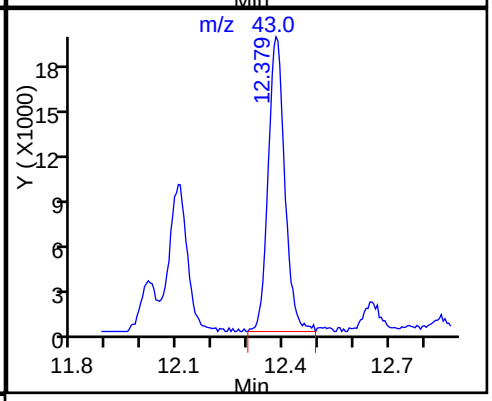
Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

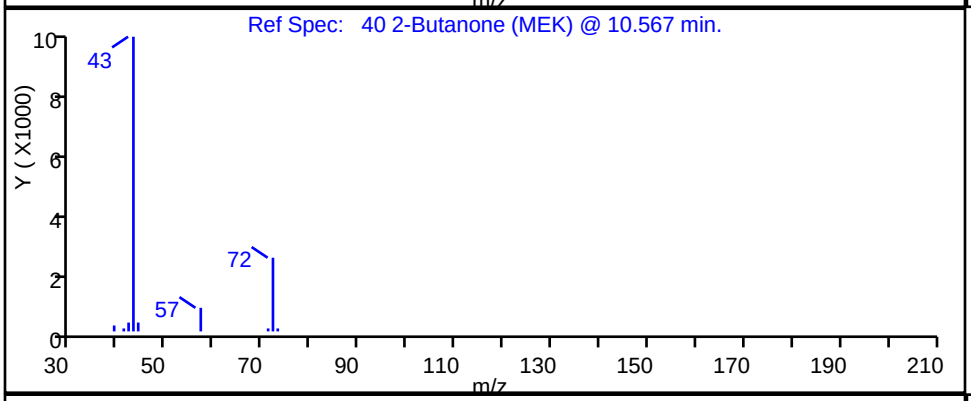
40 2-Butanone (MEK), CAS: 78-93-3

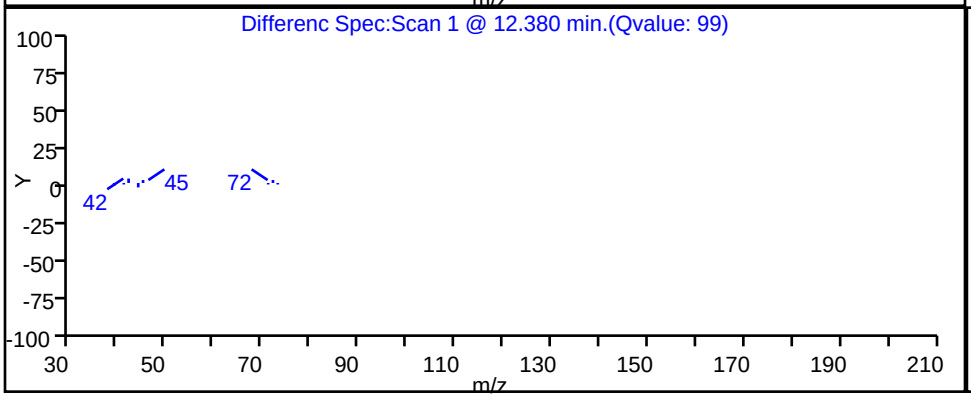


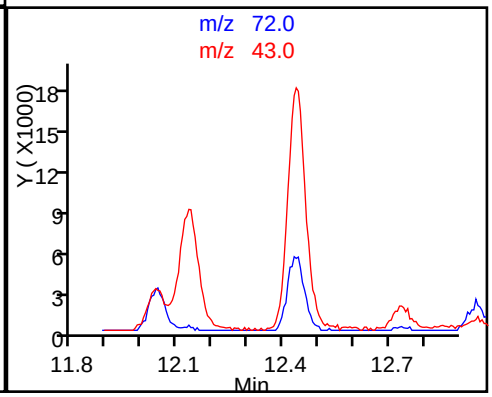












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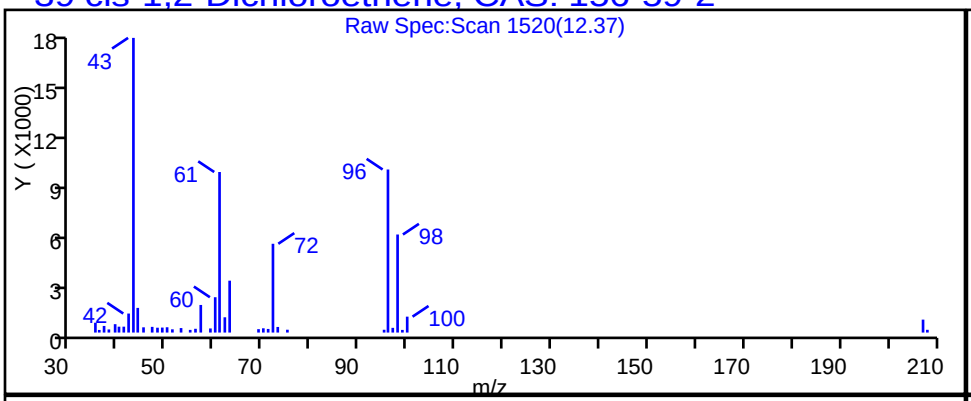
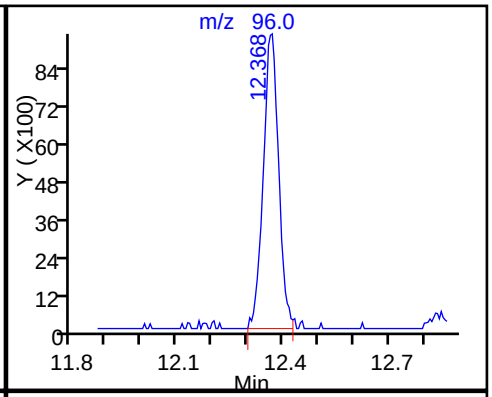
TestAmerica Burlington

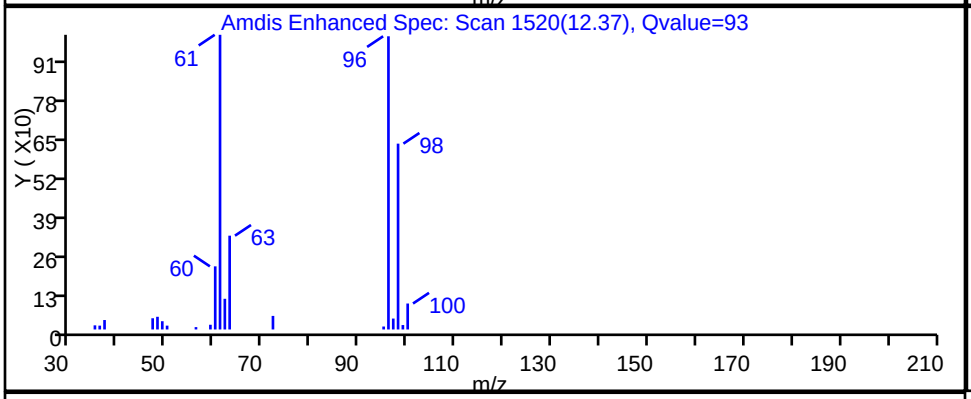
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

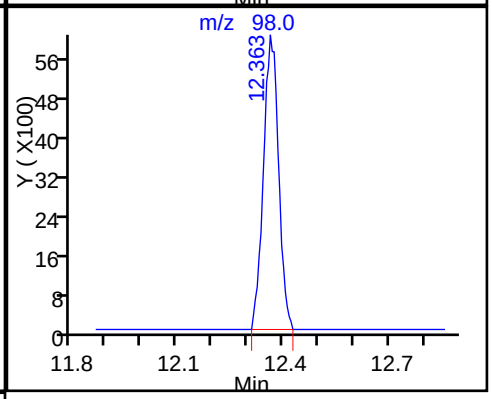
Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

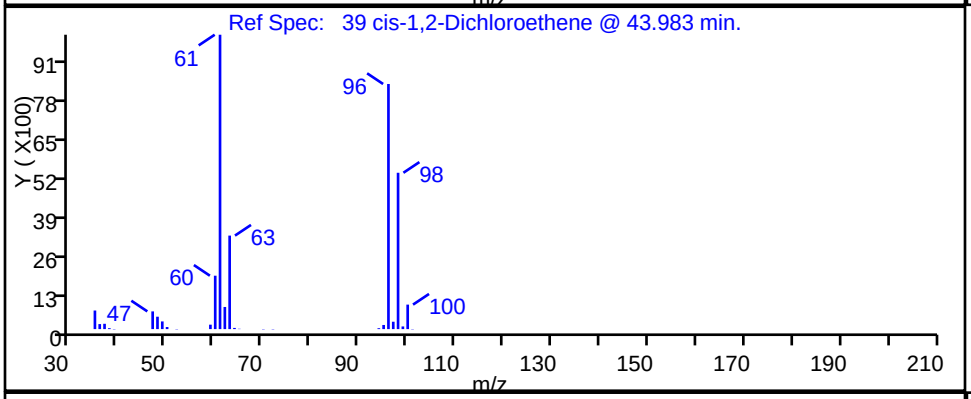
39 cis-1,2-Dichloroethene, CAS: 156-59-2

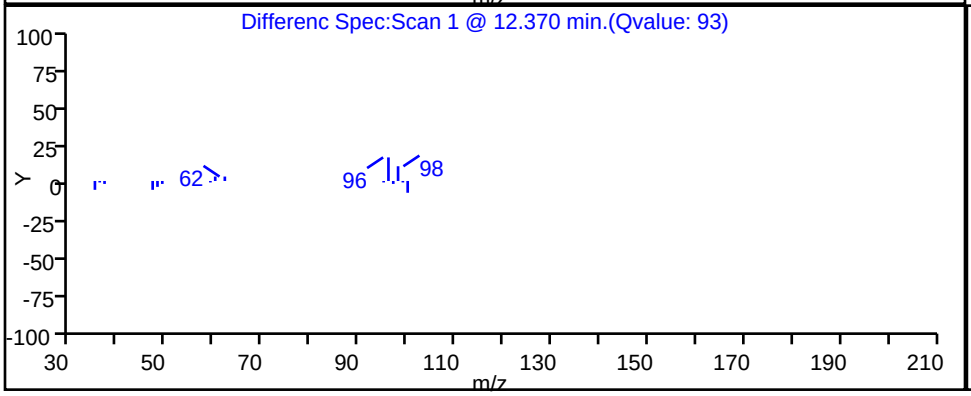


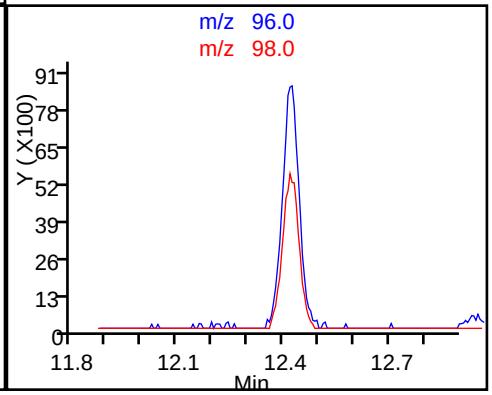












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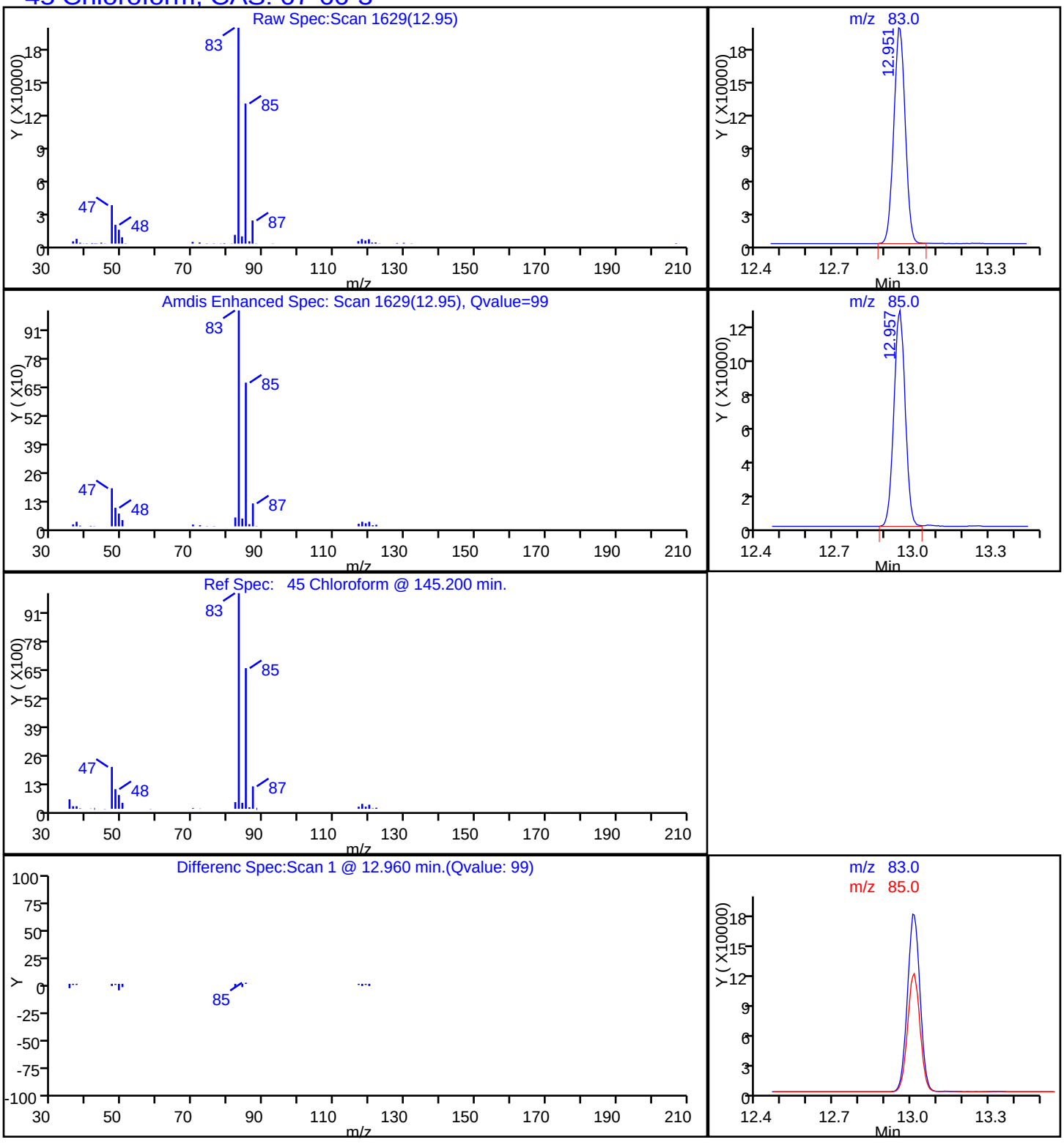
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



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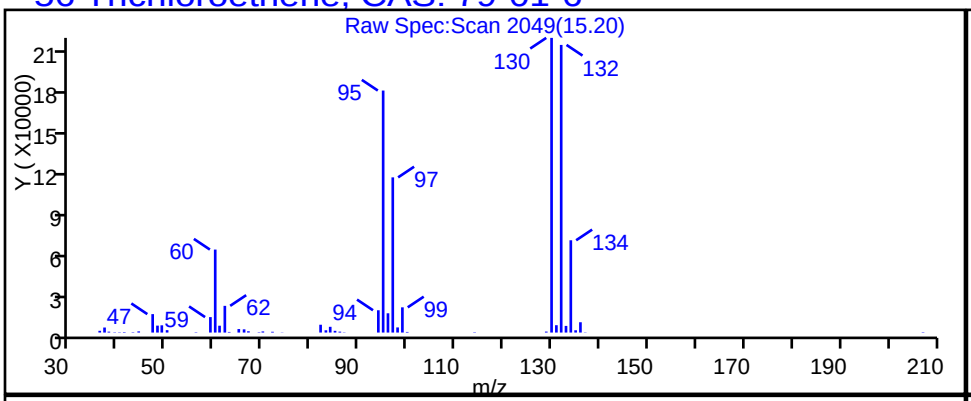
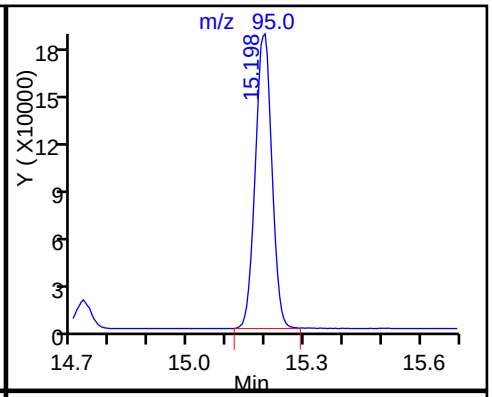
TestAmerica Burlington

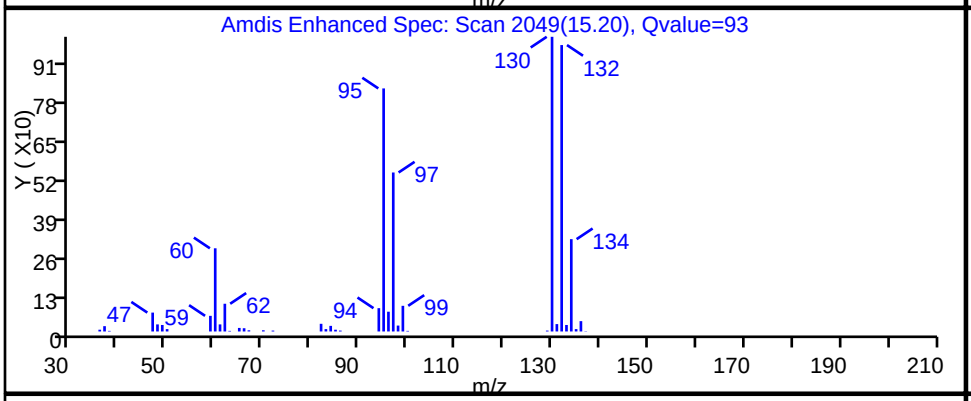
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

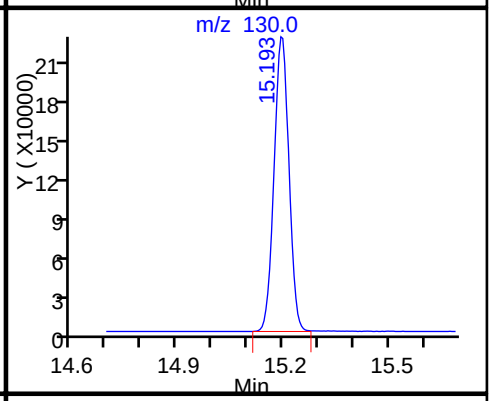
Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

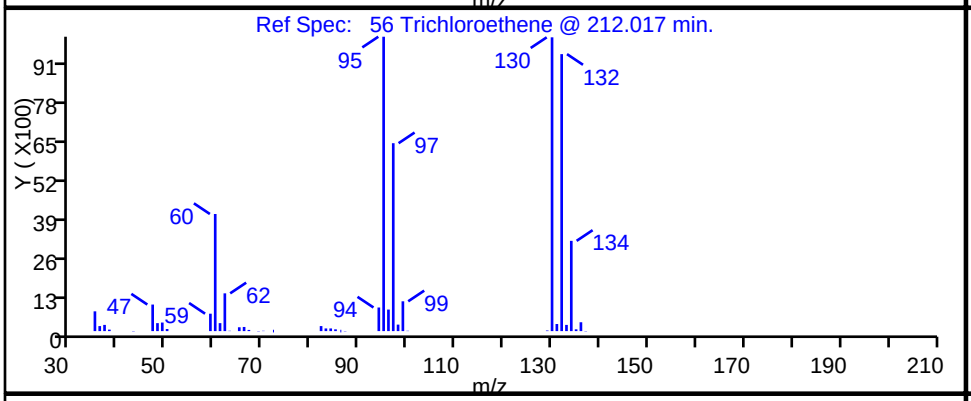
56 Trichloroethene, CAS: 79-01-6

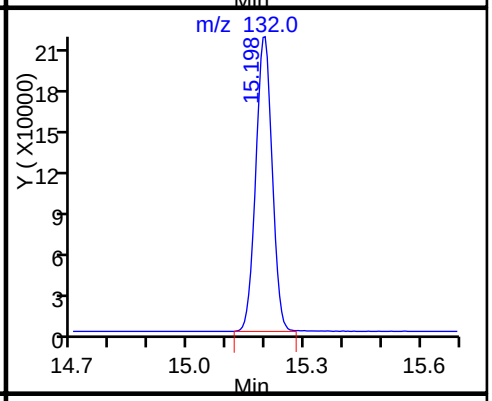


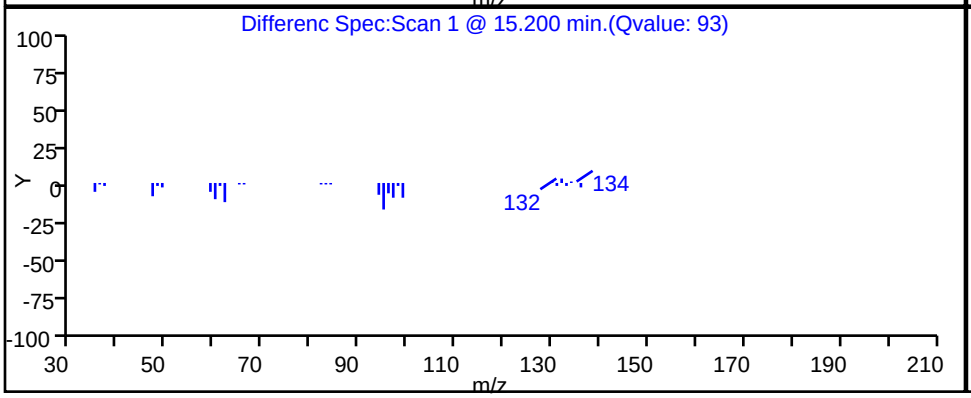


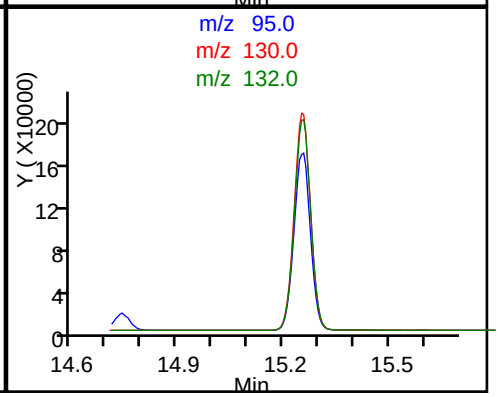












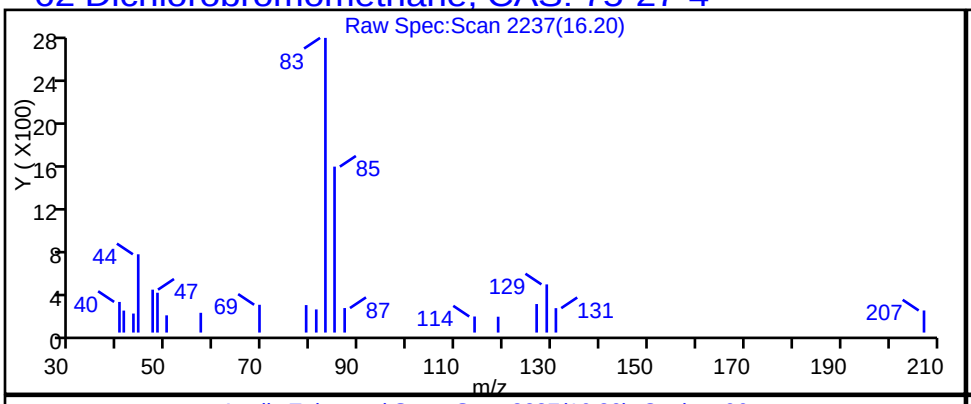
Report Date: 18-Jul-2014 10:17:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

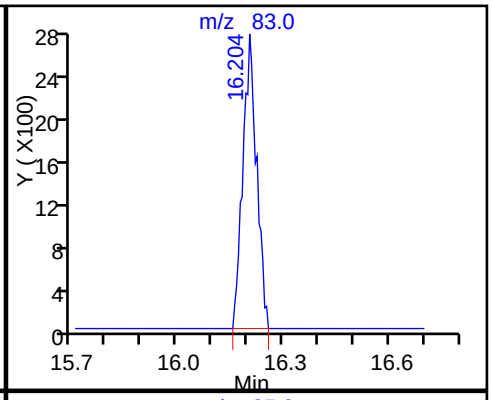
TestAmerica Burlington

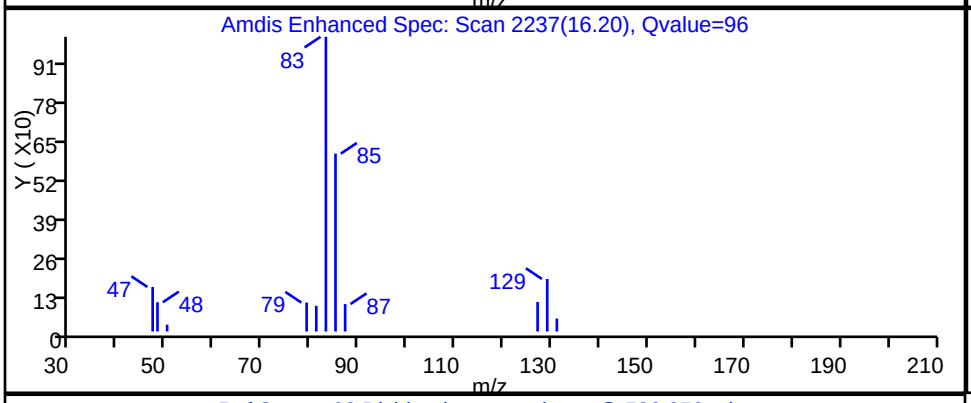
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

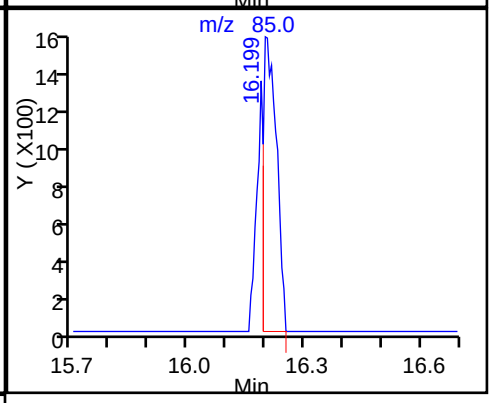
Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

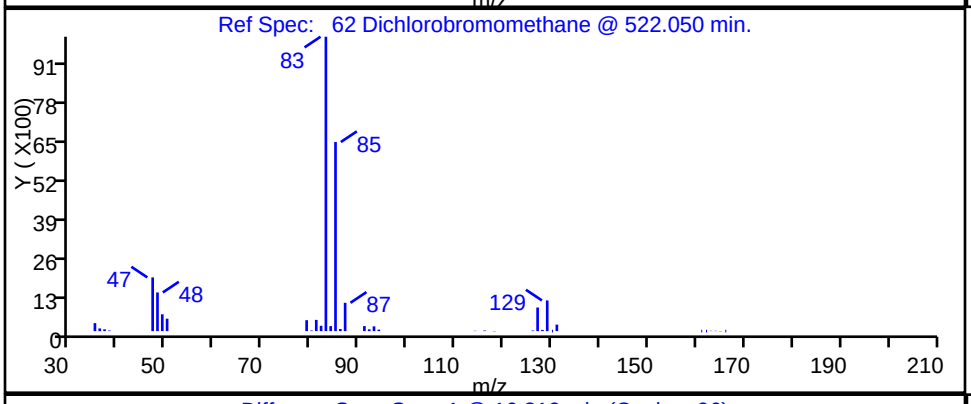
62 Dichlorobromomethane, CAS: 75-27-4

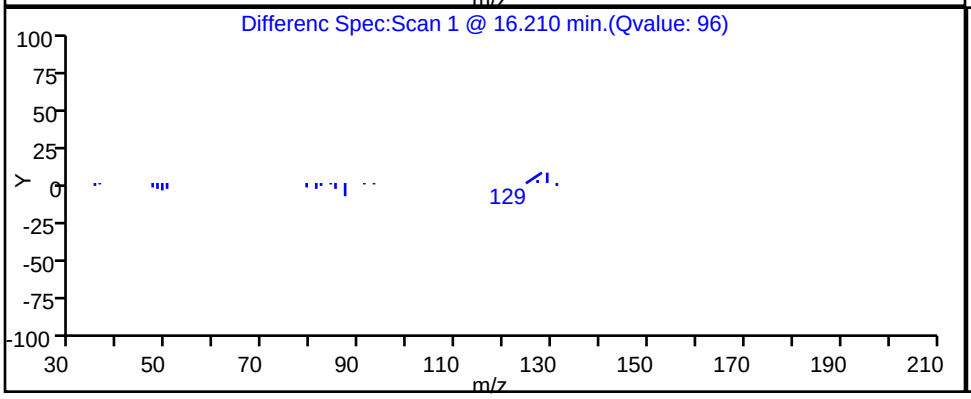


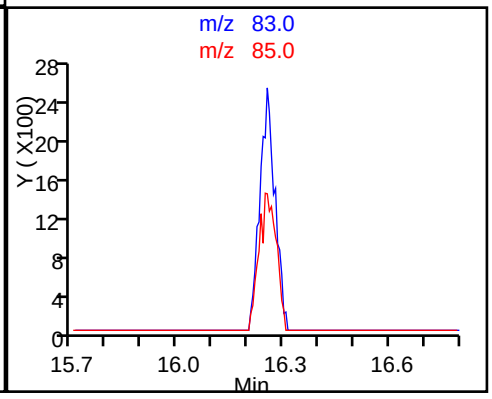












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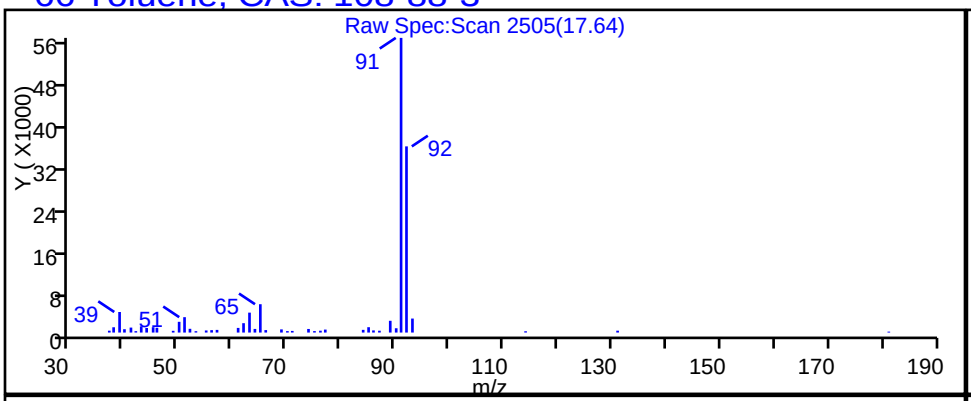
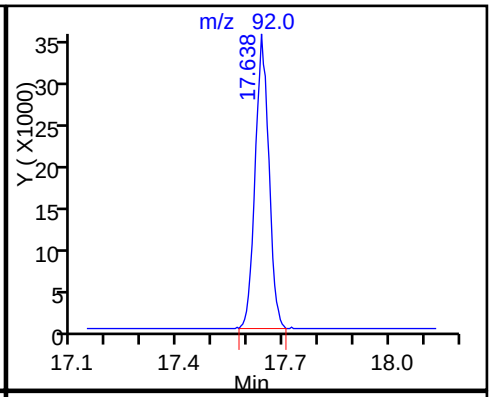
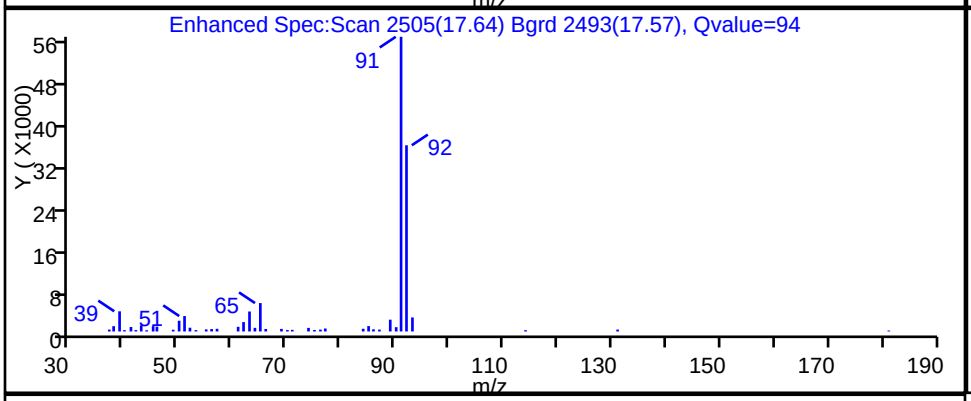
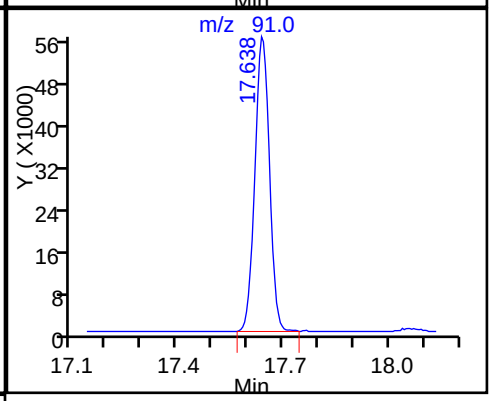
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

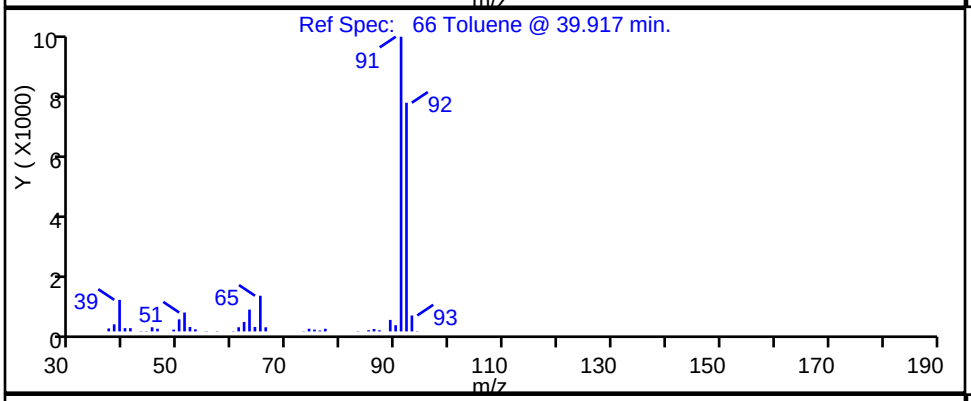
66 Toluene, CAS: 108-88-3

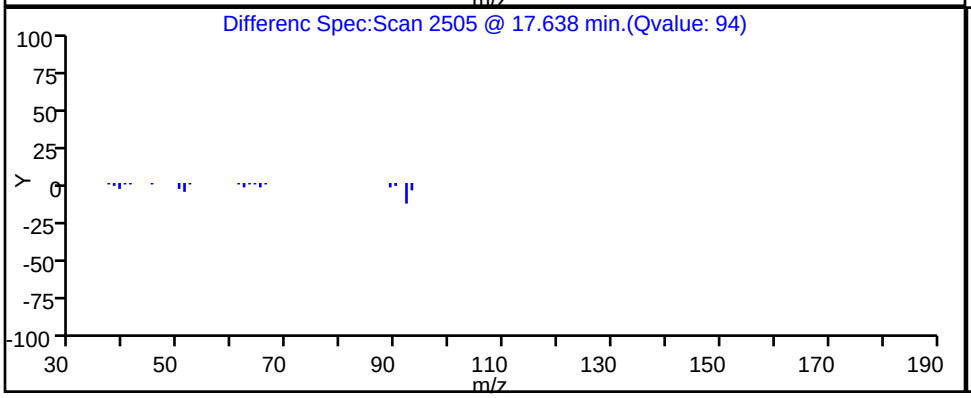


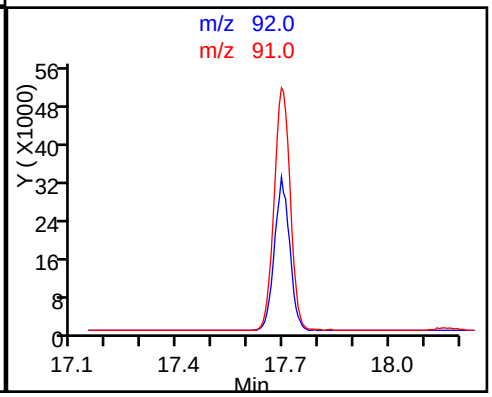












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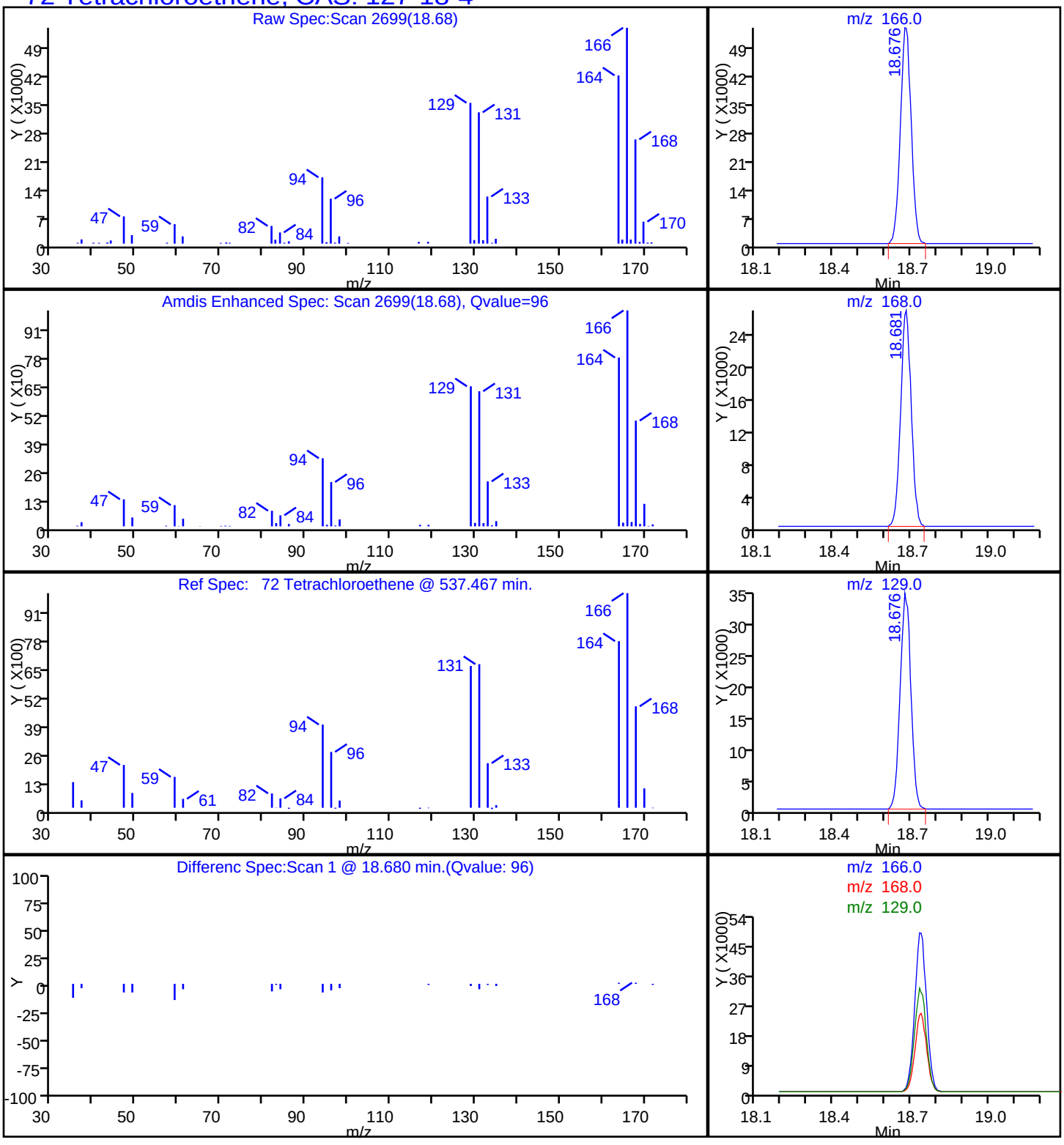
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



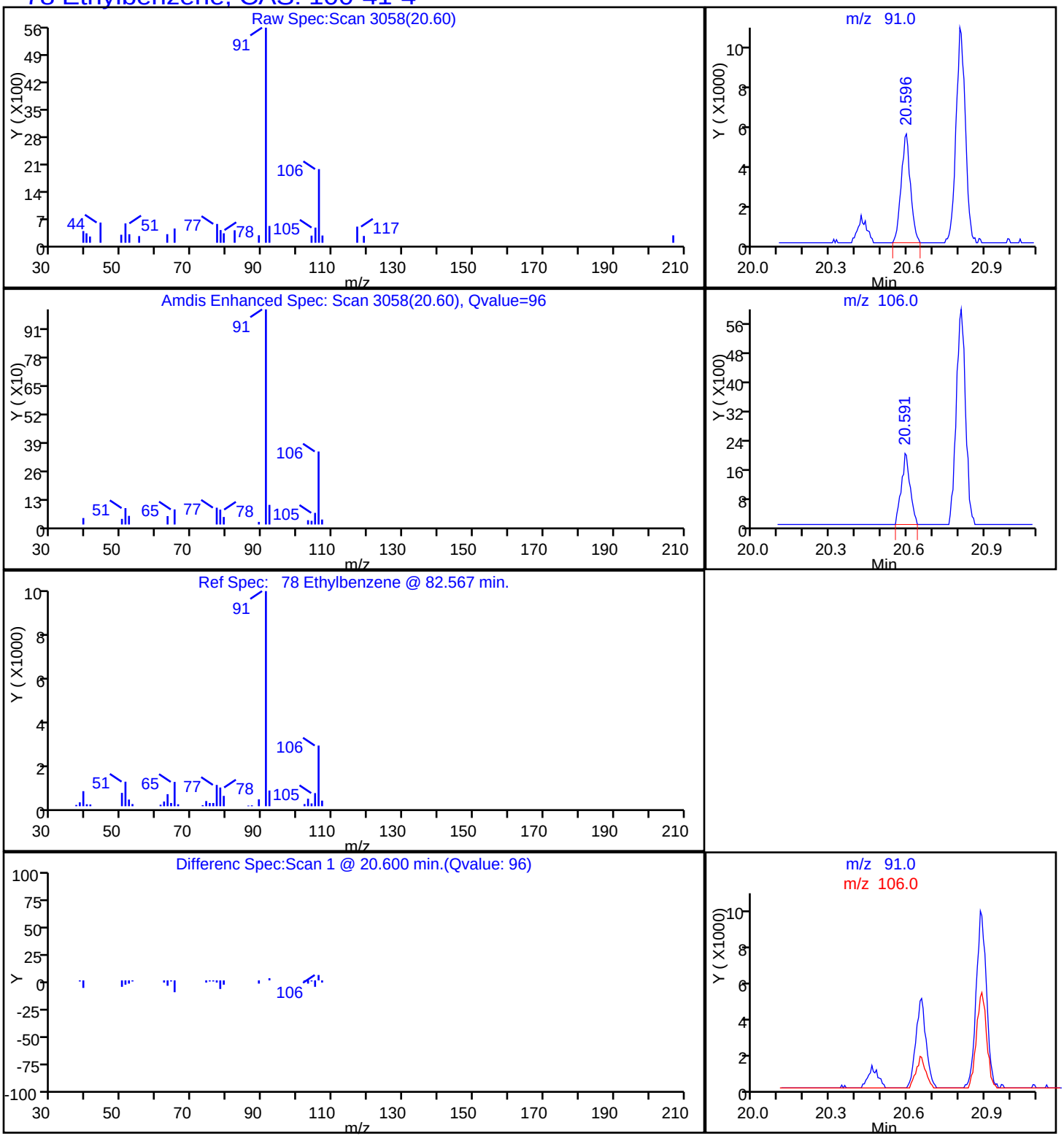
Report Date: 18-Jul-2014 10:17:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4



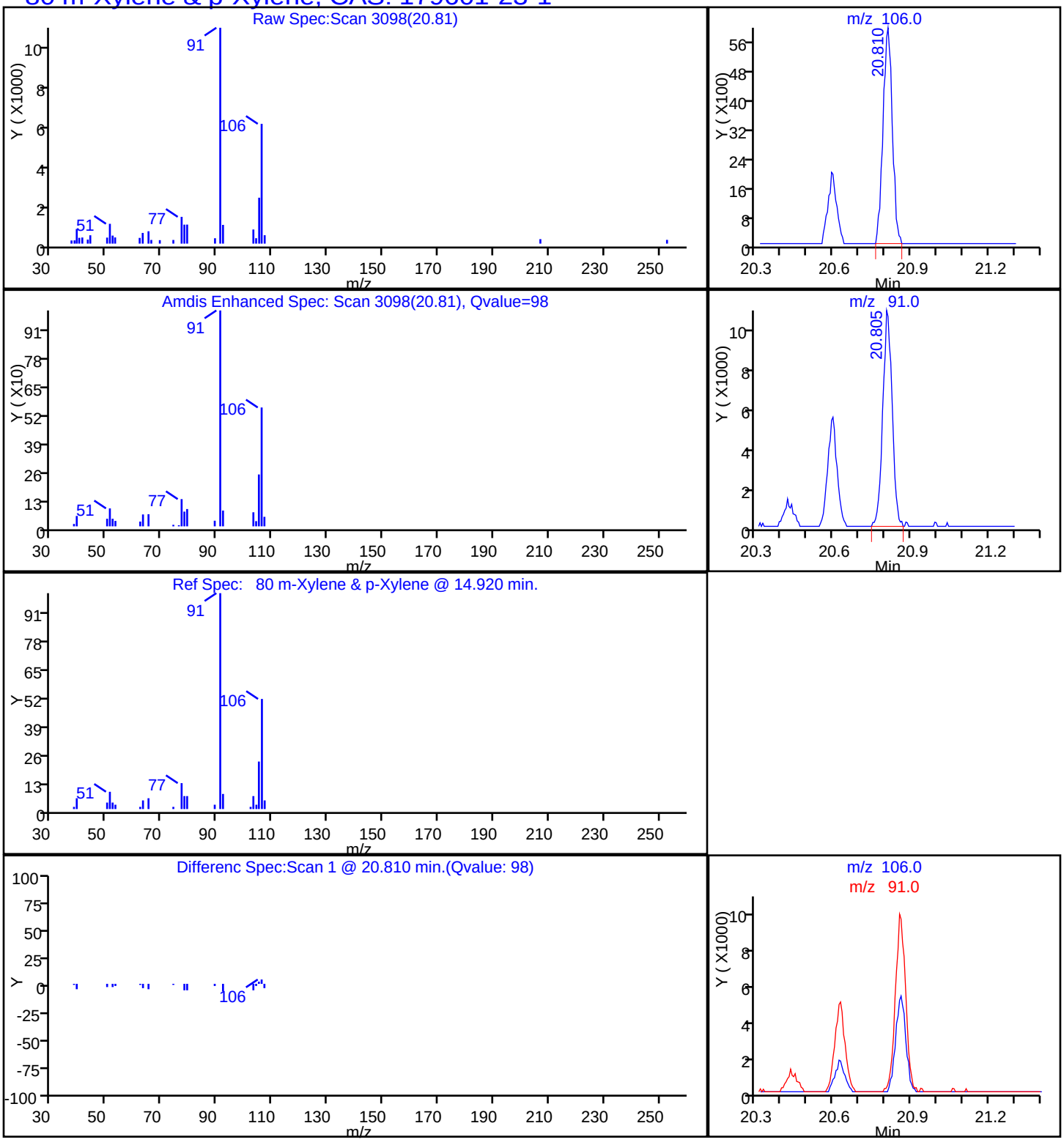
Report Date: 18-Jul-2014 10:17:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



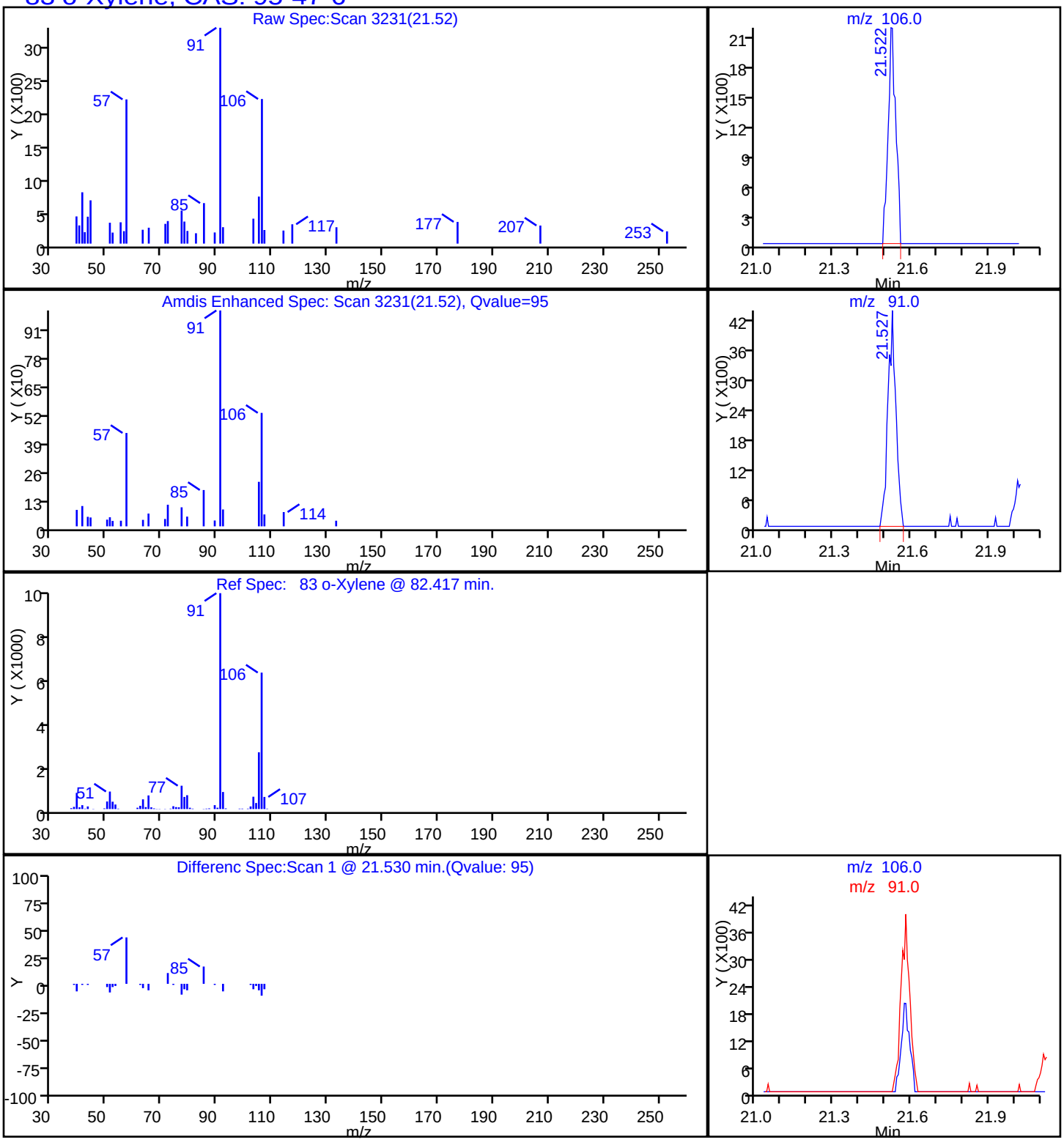
Report Date: 18-Jul-2014 10:17:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



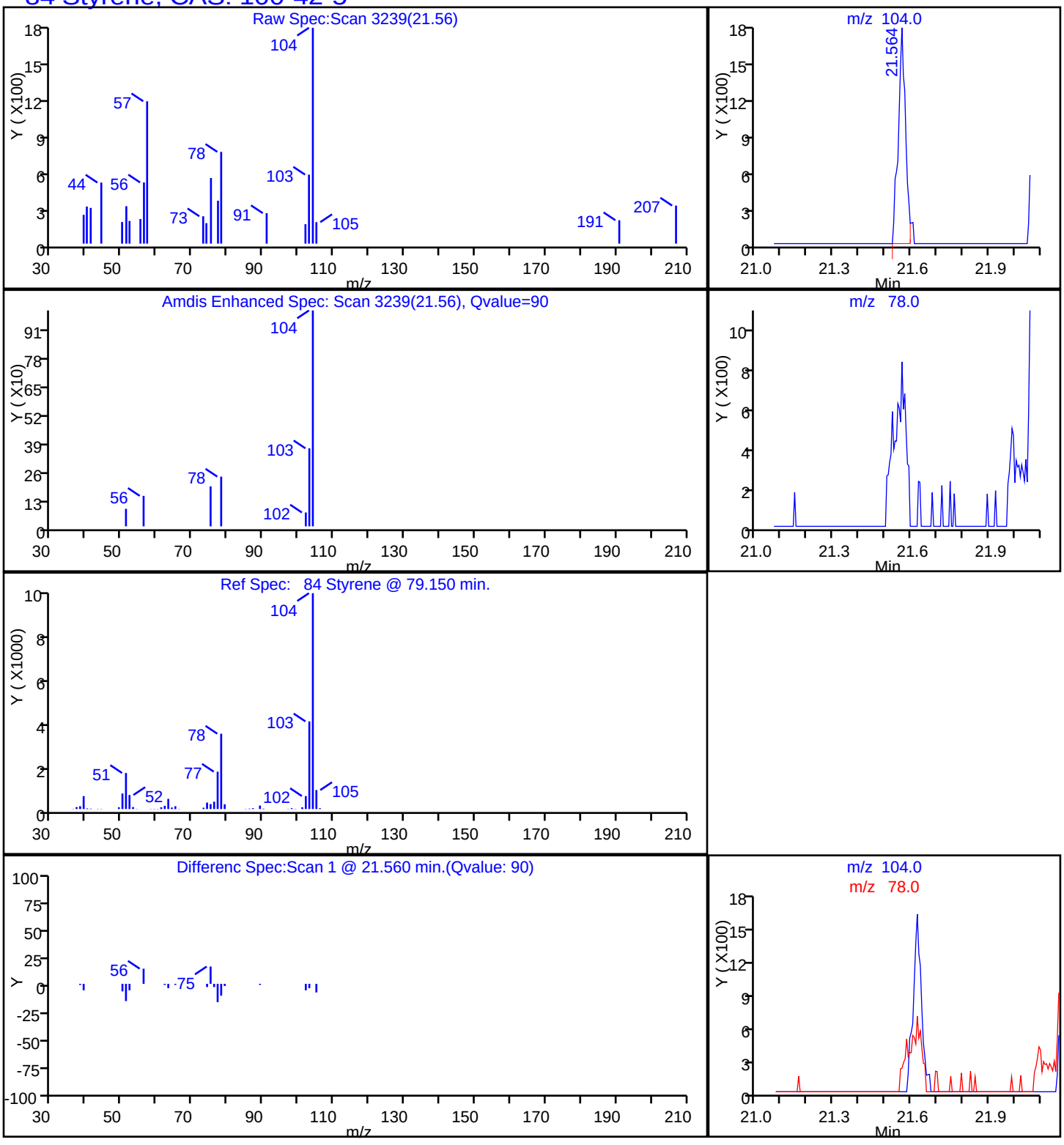
Report Date: 18-Jul-2014 10:17:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5



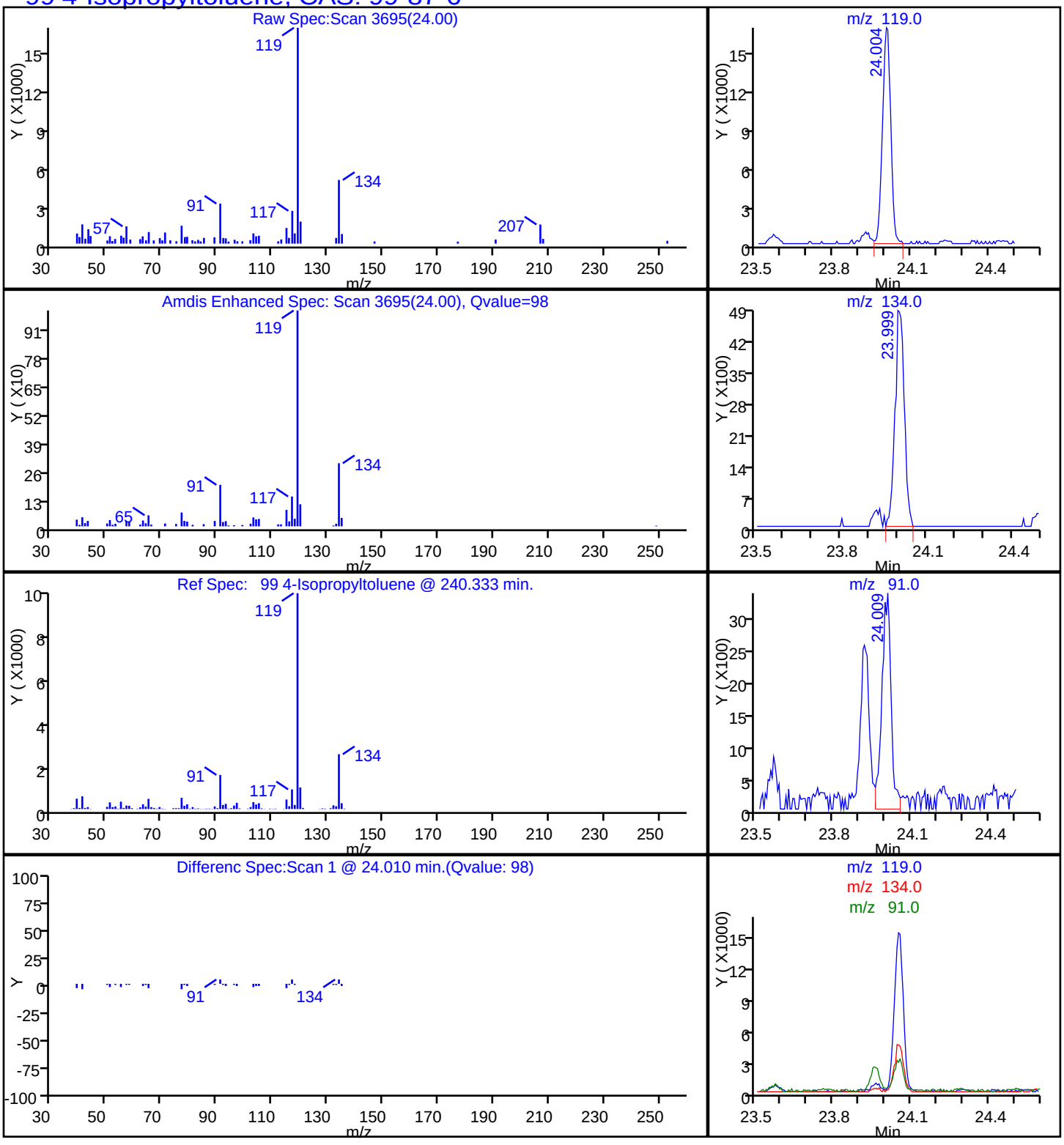
Report Date: 18-Jul-2014 10:17:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13
Client ID:	SDS-8		
Operator ID:	bl	ALS Bottle#:	7 Worklist Smp#: 24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

99 4-Isopropyltoluene, CAS: 99-87-6



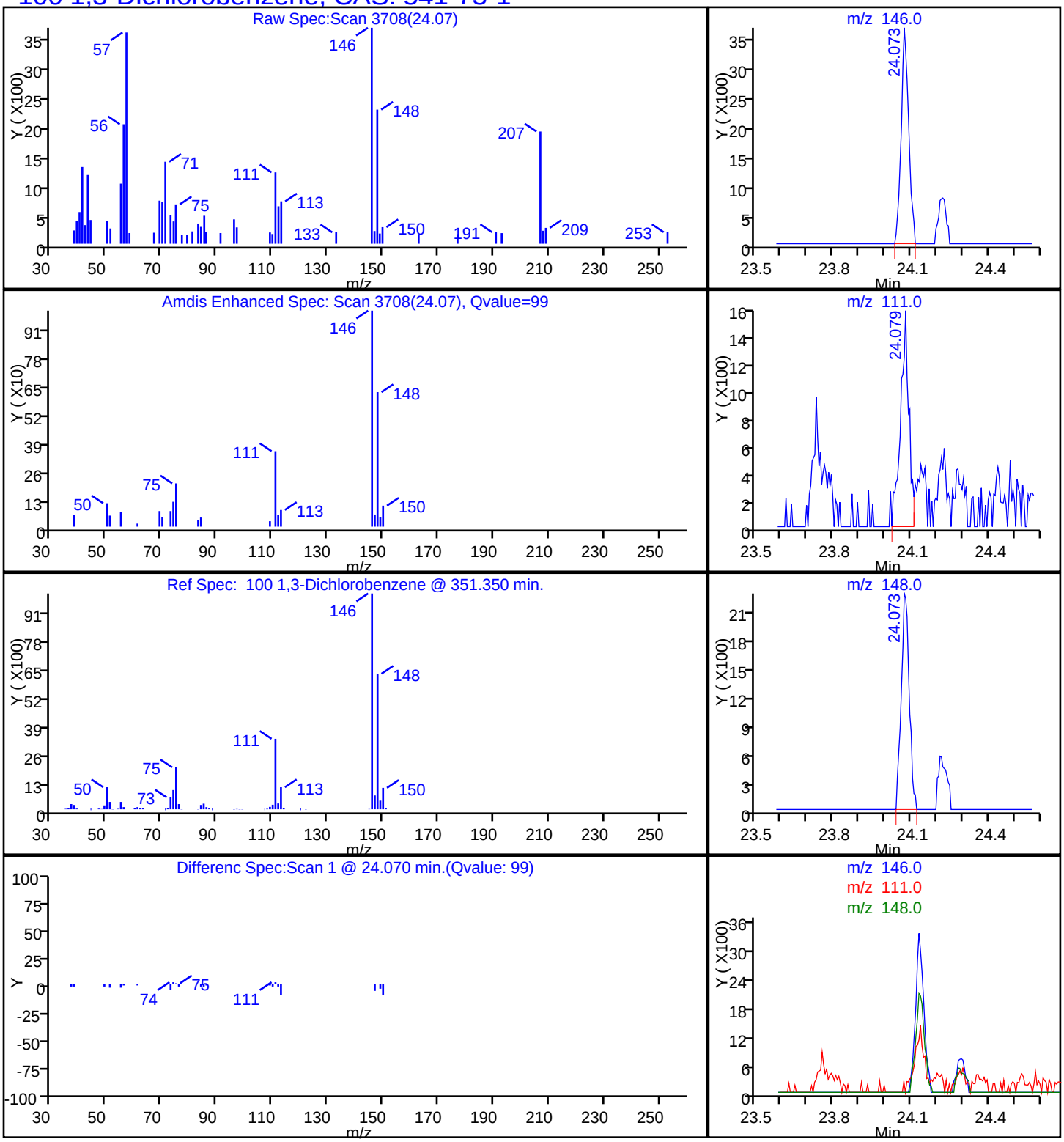
Report Date: 18-Jul-2014 10:17:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_024.d

Injection Date:	18-Jul-2014 06:09:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-13	Lab Sample ID:	200-23187-13		
Client ID:	SDS-8				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: VMP-8C Lab Sample ID: 200-23187-14

Matrix: Air Lab File ID: 8625_005.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:15

Sample wt/vol: 200(mL) Date Analyzed: 07/18/2014 15:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75073 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.51		0.50	0.030
75-45-6	Freon 22	86.47	1.3		0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.24		0.20	0.030
76-13-1	Freon 113	187.38	0.095	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	1.7	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	1.2	J	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.086	J	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	1.8		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.078	J	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.55		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.094	J	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.17	J	0.20	0.064
67-66-3	Chloroform	119.38	1.0		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	0.29	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.25		0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.076		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.069	J	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: VMP-8C Lab Sample ID: 200-23187-14

Matrix: Air Lab File ID: 8625_005.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:15

Sample wt/vol: 200(mL) Date Analyzed: 07/18/2014 15:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75073 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.3		0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.96		0.50	0.027
108-88-3	Toluene	92.14	0.42		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.80		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.012	J	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.33		0.20	0.013
179601-23-1	m,p-Xylene	106.17	1.2		0.50	0.023
95-47-6	Xylene, o-	106.17	0.43		0.20	0.016
1330-20-7	Xylene (total)	106.17	1.6		0.20	0.034
100-42-5	Styrene	104.15	0.049	J	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.095	J	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.12	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.16	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.51		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.18	J B	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.025	J B	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: VMP-8C Lab Sample ID: 200-23187-14

Matrix: Air Lab File ID: 8625_005.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:15

Sample wt/vol: 200(mL) Date Analyzed: 07/18/2014 15:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75073 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.025	J B	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.065	J B	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: VMP-8C Lab Sample ID: 200-23187-14

Matrix: Air Lab File ID: 8625_005.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:15

Sample wt/vol: 200(mL) Date Analyzed: 07/18/2014 15:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75073 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5		2.5	0.15
75-45-6	Freon 22	86.47	4.6		1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.3		1.1	0.17
76-13-1	Freon 113	187.38	0.73	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	4.0	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	2.9	J	12	0.53
75-15-0	Carbon disulfide	76.14	0.27	J	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	6.1		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.31	J	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.6		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.37	J	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.68	J	0.79	0.25
67-66-3	Chloroform	119.38	4.9		0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.85	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.4		1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.48		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.22	J	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: VMP-8C Lab Sample ID: 200-23187-14

Matrix: Air Lab File ID: 8625_005.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:15

Sample wt/vol: 200(mL) Date Analyzed: 07/18/2014 15:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75073 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	13		0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	4.0		2.0	0.11
108-88-3	Toluene	92.14	1.6		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	5.4		1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.056	J	0.92	0.037
100-41-4	Ethylbenzene	106.17	1.4		0.87	0.056
179601-23-1	m,p-Xylene	106.17	5.1		2.2	0.10
95-47-6	Xylene, o-	106.17	1.9		0.87	0.069
1330-20-7	Xylene (total)	106.17	7.1		0.87	0.15
100-42-5	Styrene	104.15	0.21	J	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.47	J	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.57	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.81	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	2.5		0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.1	J B	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	0.15	J B	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: VMP-8C Lab Sample ID: 200-23187-14

Matrix: Air Lab File ID: 8625_005.d

Analysis Method: TO-15 Date Collected: 07/10/2014 14:15

Sample wt/vol: 200(mL) Date Analyzed: 07/18/2014 15:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75073 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.15	J B	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	0.49	J B	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d
Lims ID: 200-23187-A-14 Lab Sample ID: 200-23187-14
Client ID: VMP-8C
Sample Type: Client
Inject. Date: 18-Jul-2014 15:18:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008625-005
Misc. Info.: 200-23187-A-14
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 09:59:44 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: lyonsb Date: 21-Jul-2014 09:08:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.488	4.494	-0.006	98	72864	0.5091	
6 Chlorodifluoromethane	51	4.558	4.558	0.000	97	93314	1.30	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.841				ND	
8 Chloromethane	50		5.034				ND	
9 Butane	43		5.301				ND	
10 Vinyl chloride	62		5.360				ND	
11 Butadiene	54		5.451				ND	
12 Bromomethane	94		6.318				ND	
14 Chloroethane	64		6.601				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101	7.201	7.195	0.006	97	37415	0.2369	
23 1,1,2-Trichloro-1,2,2-trif	101	8.447	8.442	0.005	94	11487	0.0949	
24 1,1-Dichloroethene	96		8.516				ND	
25 Acetone	43	8.752	8.747	0.005	90	126730	1.70	
26 Carbon disulfide	76	9.009	9.003	0.006	97	12672	0.0857	
27 Isopropyl alcohol	45	9.019	9.035	-0.016	98	74001	1.17	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49	9.731	9.731	0.000	83	90085	1.76	
32 2-Methyl-2-propanol	59		9.907				ND	
33 Methyl tert-butyl ether	73		10.153				ND	
S 41 1,2-Dichloroethene, Total	61				0		0.1721	
34 trans-1,2-Dichloroethene	61	10.229	10.228	0.000	87	5590	0.0785	M
36 Hexane	57	10.646	10.640	0.006	85	2446	0.0283	
37 1,1-Dichloroethane	63		11.191				ND	
39 cis-1,2-Dichloroethene	96	12.368	12.368	0.000	63	6247	0.0936	M
40 2-Butanone (MEK)	72	12.374	12.379	-0.005	100	17410	0.5522	
44 Tetrahydrofuran	42	12.850	12.839	0.011	31	14580	0.2897	
* 43 Chlorobromomethane	128	12.845	12.844	0.000	73	489426	10.0	
45 Chloroform	83	12.952	12.957	-0.005	99	116866	1.00	
46 Cyclohexane	84		13.256				ND	
47 1,1,1-Trichloroethane	97	13.262	13.267	-0.005	96	31444	0.2508	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	13.519	13.524	-0.005	97	10388	0.0756	
51 Isooctane	57		13.914				ND	
50 Benzene	78	13.968	13.973	-0.005	94	12938	0.0695	
52 1,2-Dichloroethane	62		14.128				ND	
53 n-Heptane	43		14.262				ND	
* 54 1,4-Difluorobenzene	114	14.728	14.733	-0.005	92	2373014	10.0	
56 Trichloroethene	95	15.193	15.198	-0.005	92	204142	2.34	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.894				ND	
62 Dichlorobromomethane	83		16.209				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43	17.295	17.301	-0.006	93	105508	0.9643	
66 Toluene	92	17.643	17.643	0.000	93	63903	0.4188	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166	18.681	18.681	0.000	95	125682	0.7953	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.301				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		1.61	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	81	2147050	10.0	
77 Chlorobenzene	112	20.484	20.484	0.000	1	2572	0.0122	
78 Ethylbenzene	91	20.591	20.596	-0.005	97	100284	0.3306	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	99	152916	1.18	
83 o-Xylene	106	21.527	21.527	0.000	96	56787	0.4288	
84 Styrene	104	21.570	21.564	0.006	92	9323	0.0485	
85 Bromoform	173		21.944				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.431	-0.005	97	1386296	NC	
88 1,1,2,2-Tetrachloroethane	83		22.656				ND	
90 N-Propylbenzene	91	22.725	22.725	0.000	100	38435	0.0952	
91 4-Ethyltoluene	105	22.891	22.891	0.000	98	41712	0.1158	
92 2-Chlorotoluene	91		22.929				ND	
94 1,3,5-Trimethylbenzene	105	22.982	22.982	0.000	95	50372	0.1638	
96 tert-Butylbenzene	119		23.458				ND	
97 1,2,4-Trimethylbenzene	105	23.555	23.555	0.001	96	158287	0.5121	
98 sec-Butylbenzene	105		23.790				ND	
99 4-Isopropyltoluene	119		23.993				ND	
100 1,3-Dichlorobenzene	146	24.063	24.063	0.000	99	44240	0.1848	
101 1,4-Dichlorobenzene	146	24.207	24.207	0.000	48	5952	0.0254	
102 Benzyl chloride	91		24.416				ND	
103 n-Butylbenzene	91		24.630				ND	
105 1,2-Dichlorobenzene	146	24.806	24.812	-0.006	97	5863	0.0251	
107 1,2,4-Trichlorobenzene	180	27.695	27.695	0.000	93	12387	0.0655	
108 Hexachlorobutadiene	225		27.898				ND	
109 Naphthalene	128		28.284				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

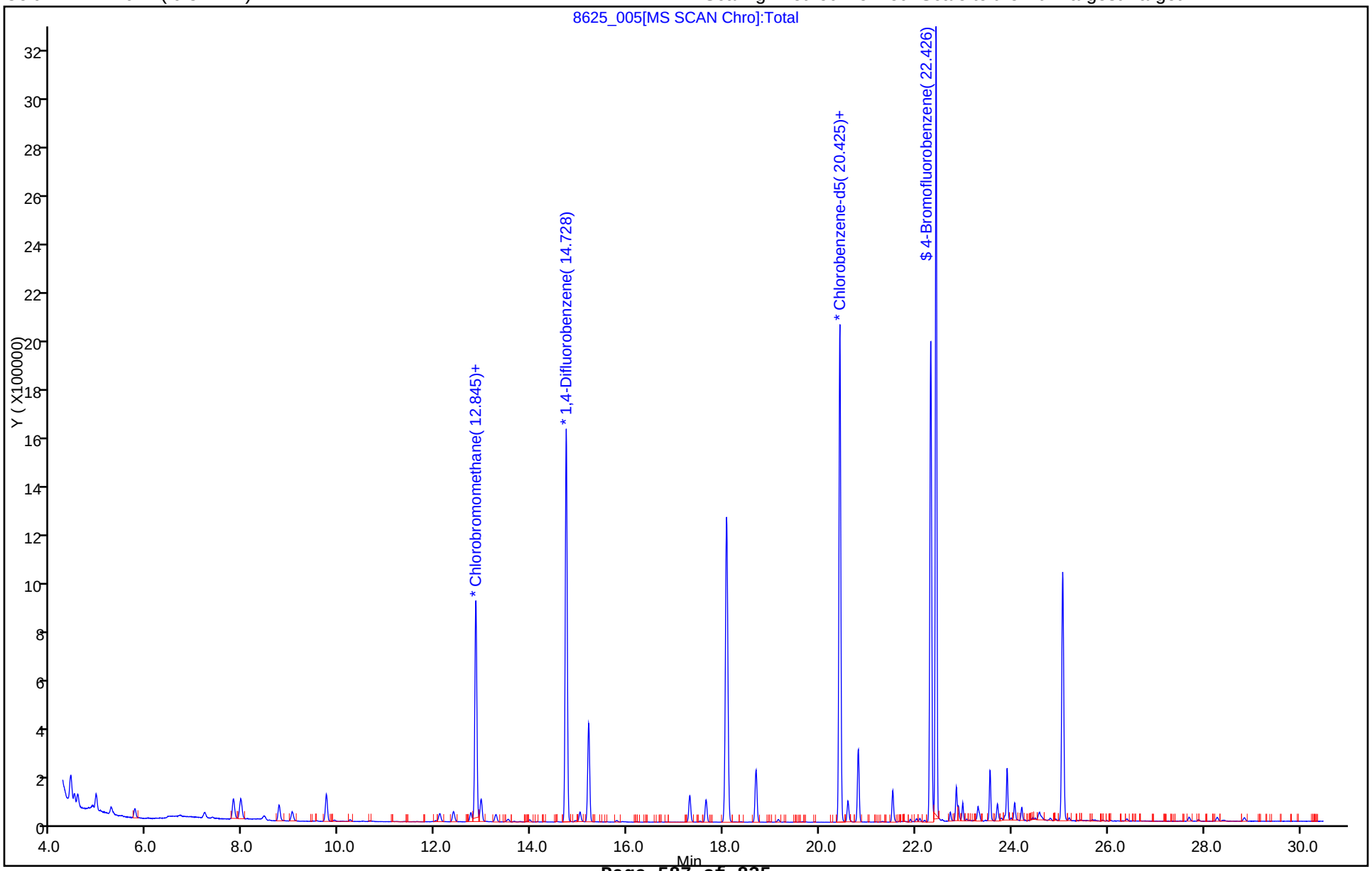
Report Date: 21-Jul-2014 09:59:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14	Worklist Smp#:	5
Client ID:	VMP-8C				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



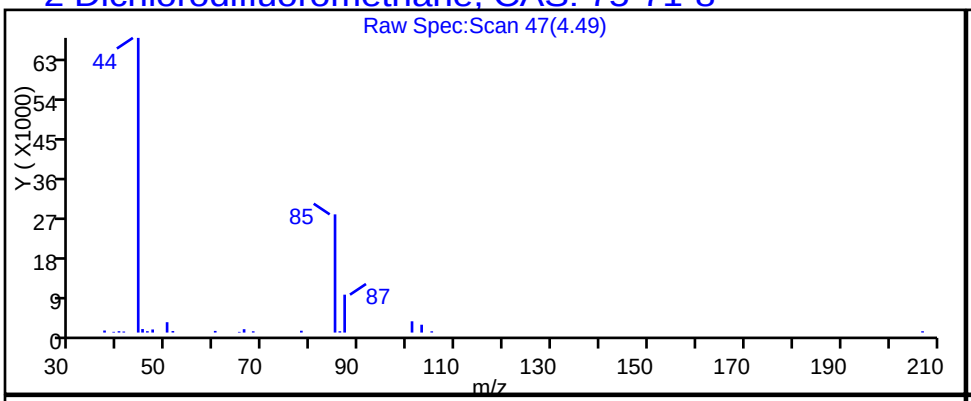
Report Date: 21-Jul-2014 09:59:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

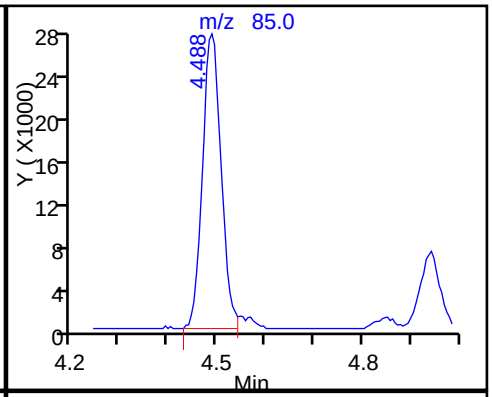
TestAmerica Burlington

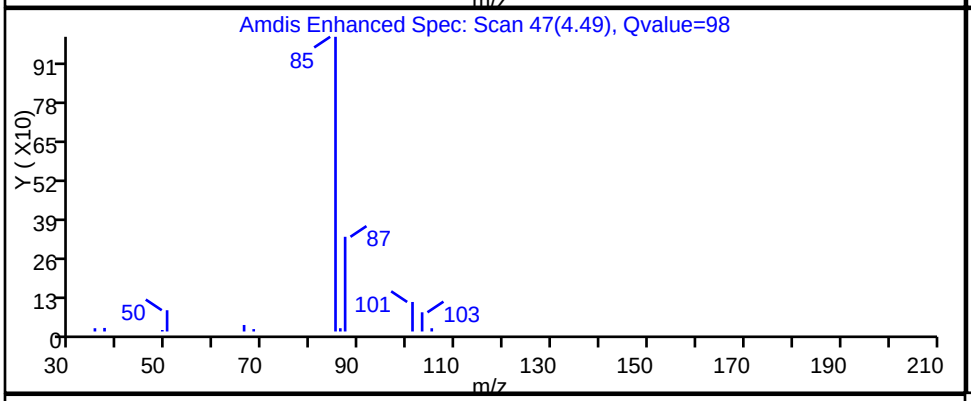
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

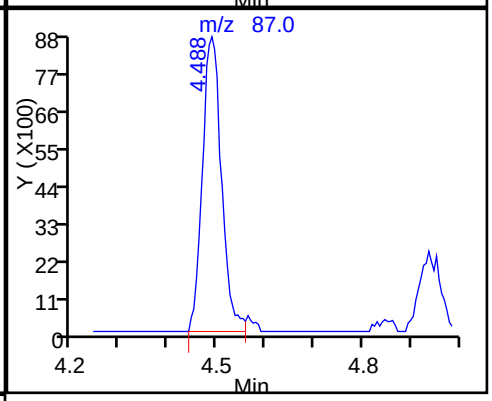
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

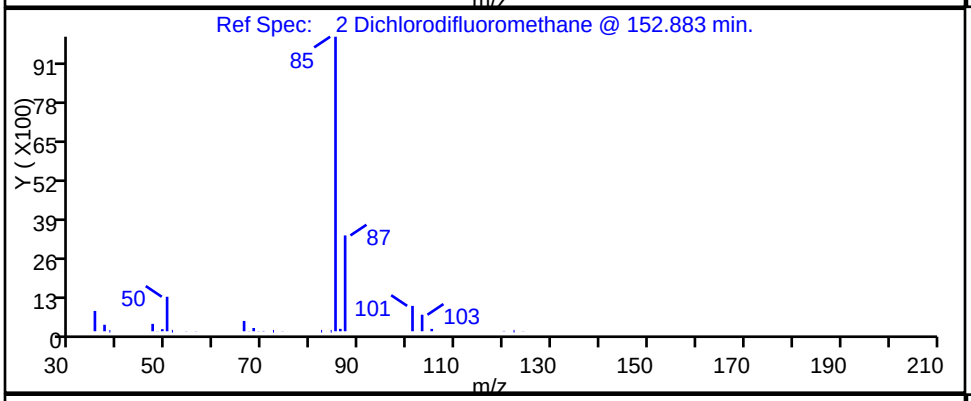
2 Dichlorodifluoromethane, CAS: 75-71-8

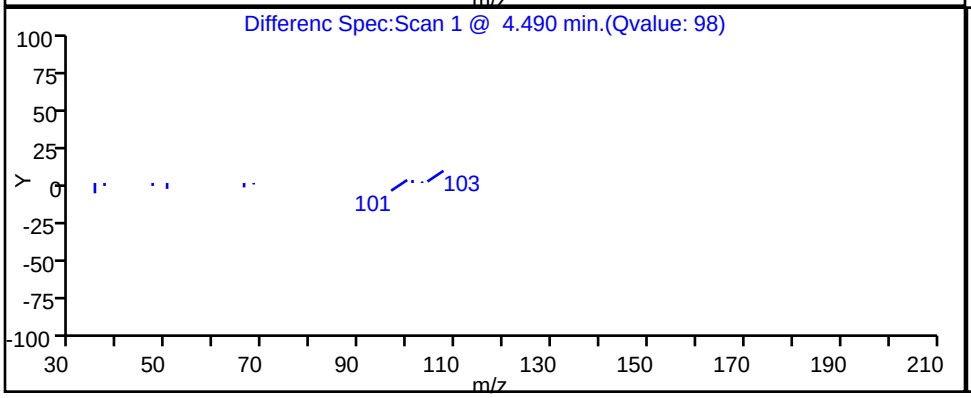


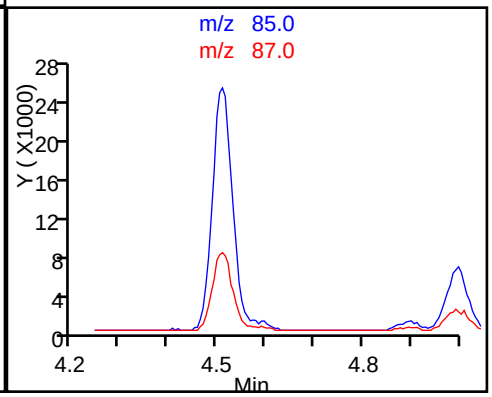












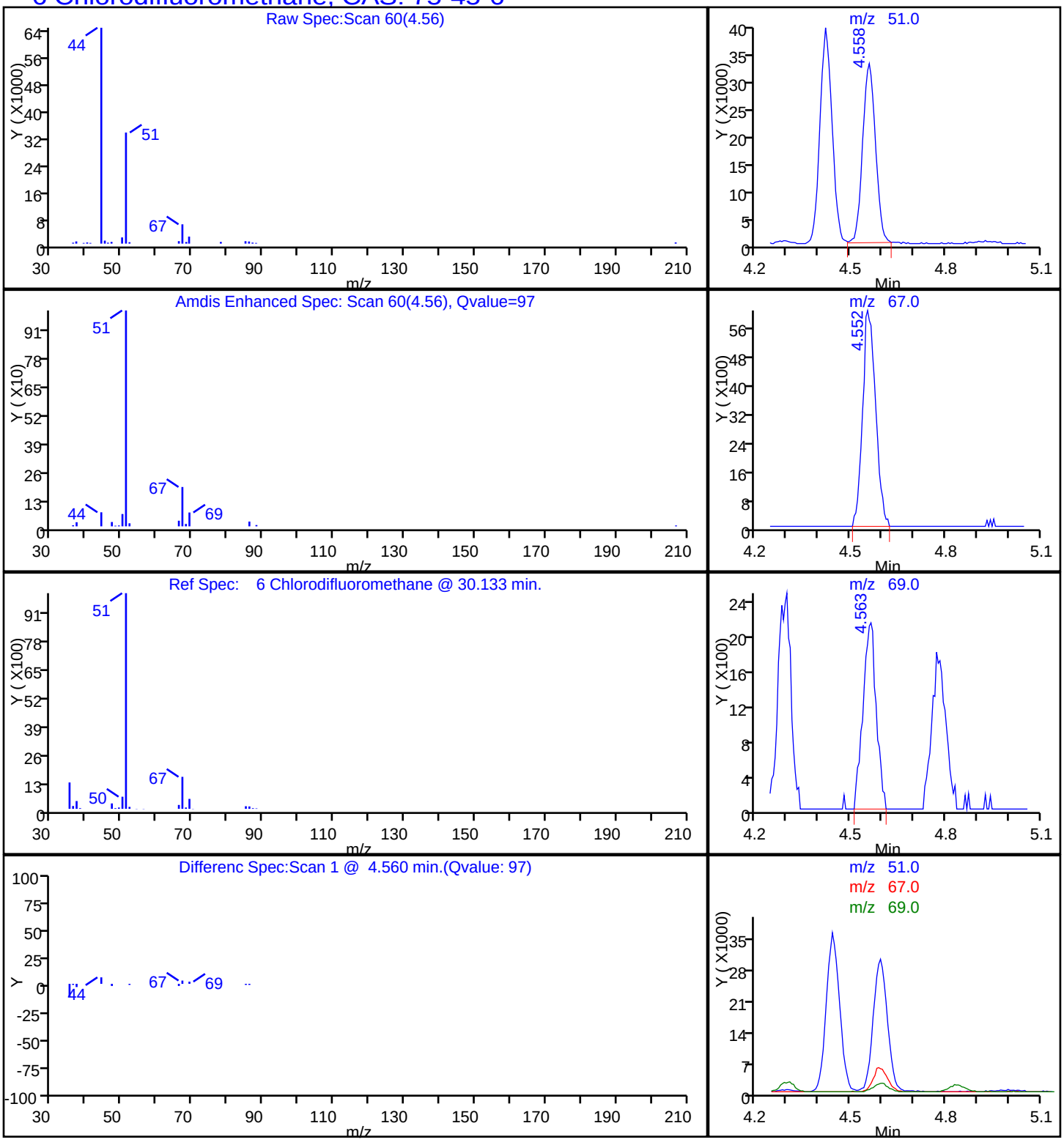
Report Date: 21-Jul-2014 09:59:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



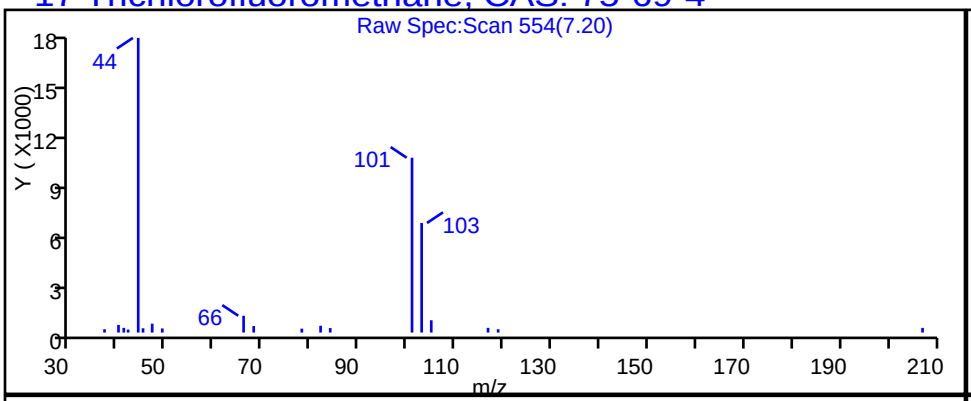
Report Date: 21-Jul-2014 09:59:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

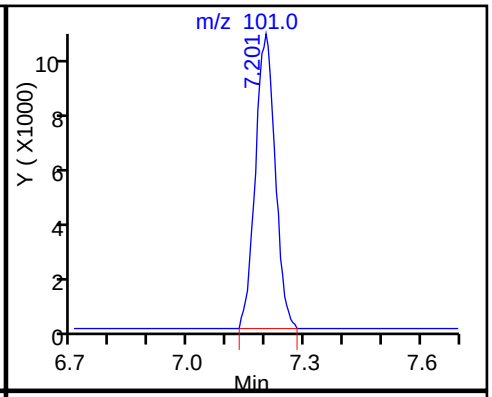
TestAmerica Burlington

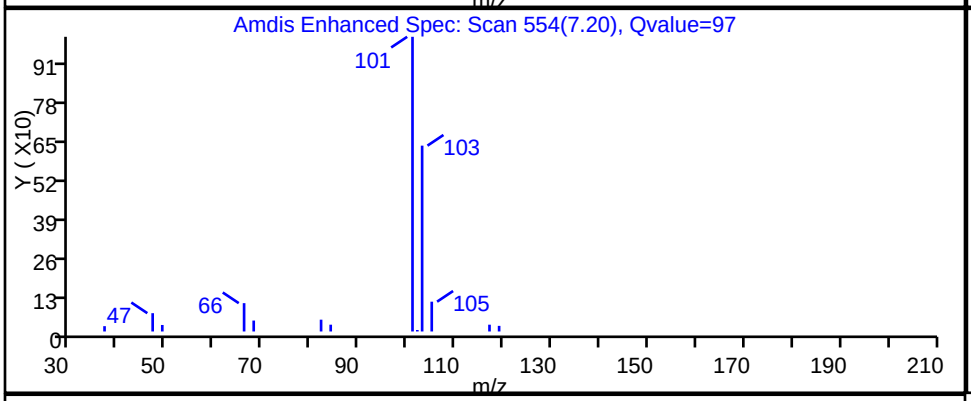
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

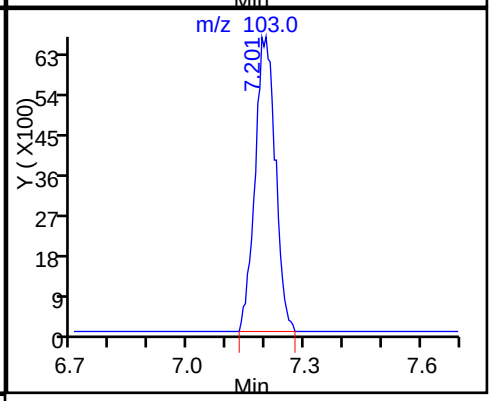
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

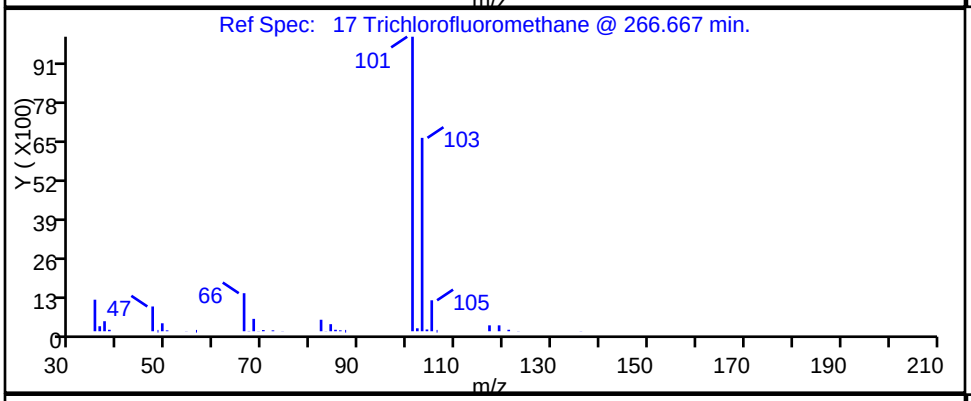
17 Trichlorofluoromethane, CAS: 75-69-4

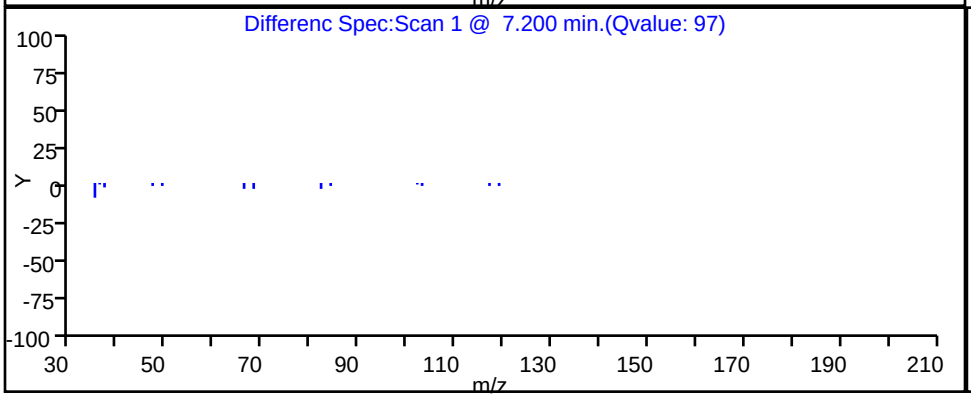


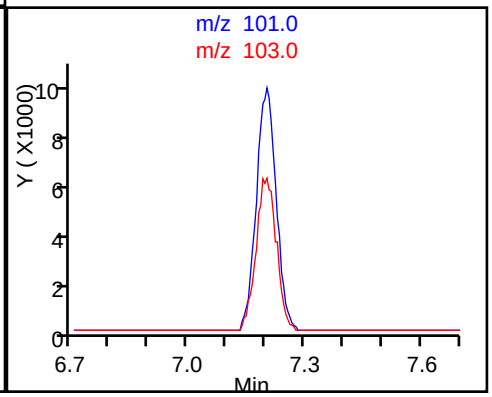












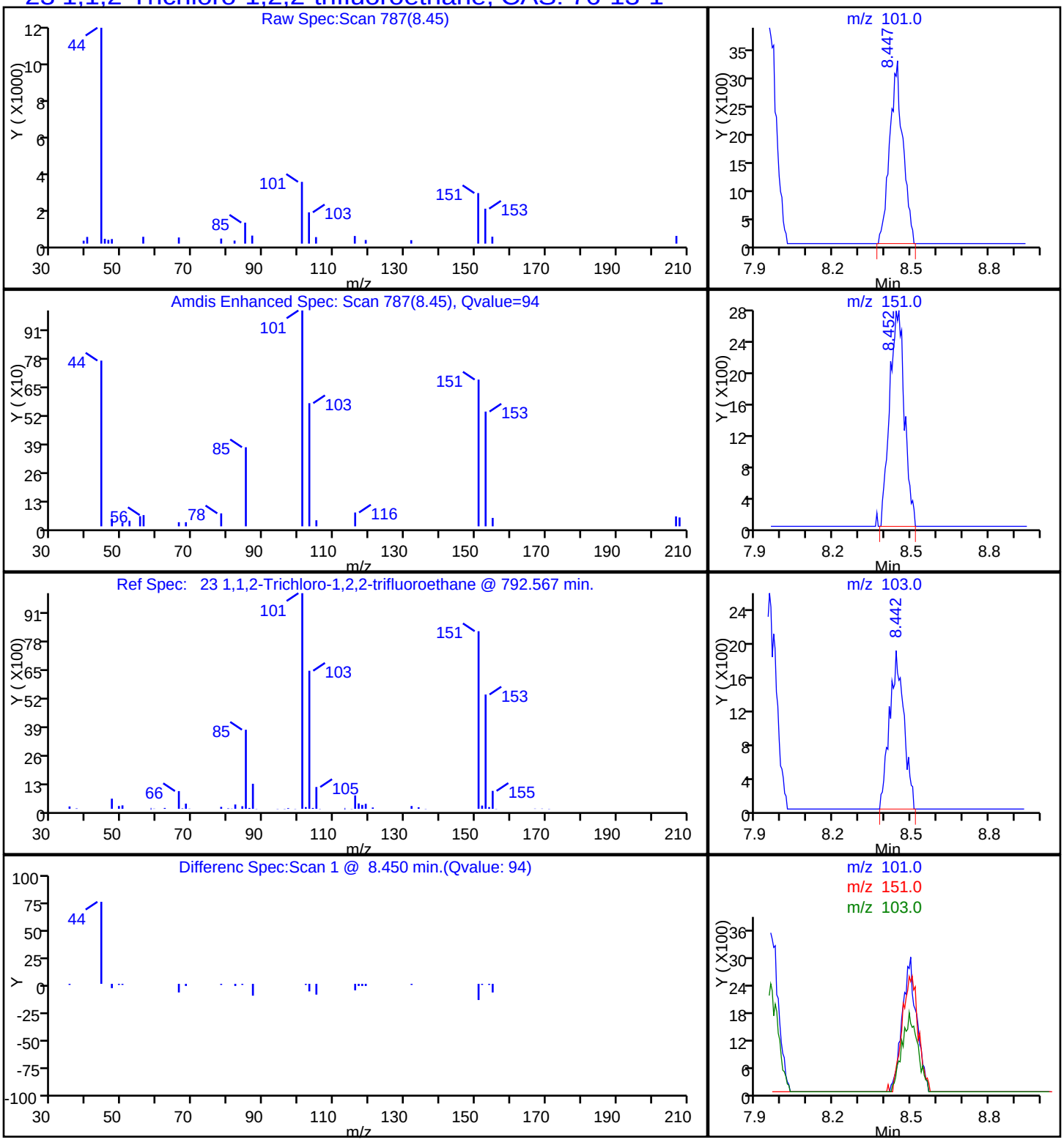
Report Date: 21-Jul-2014 09:59:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



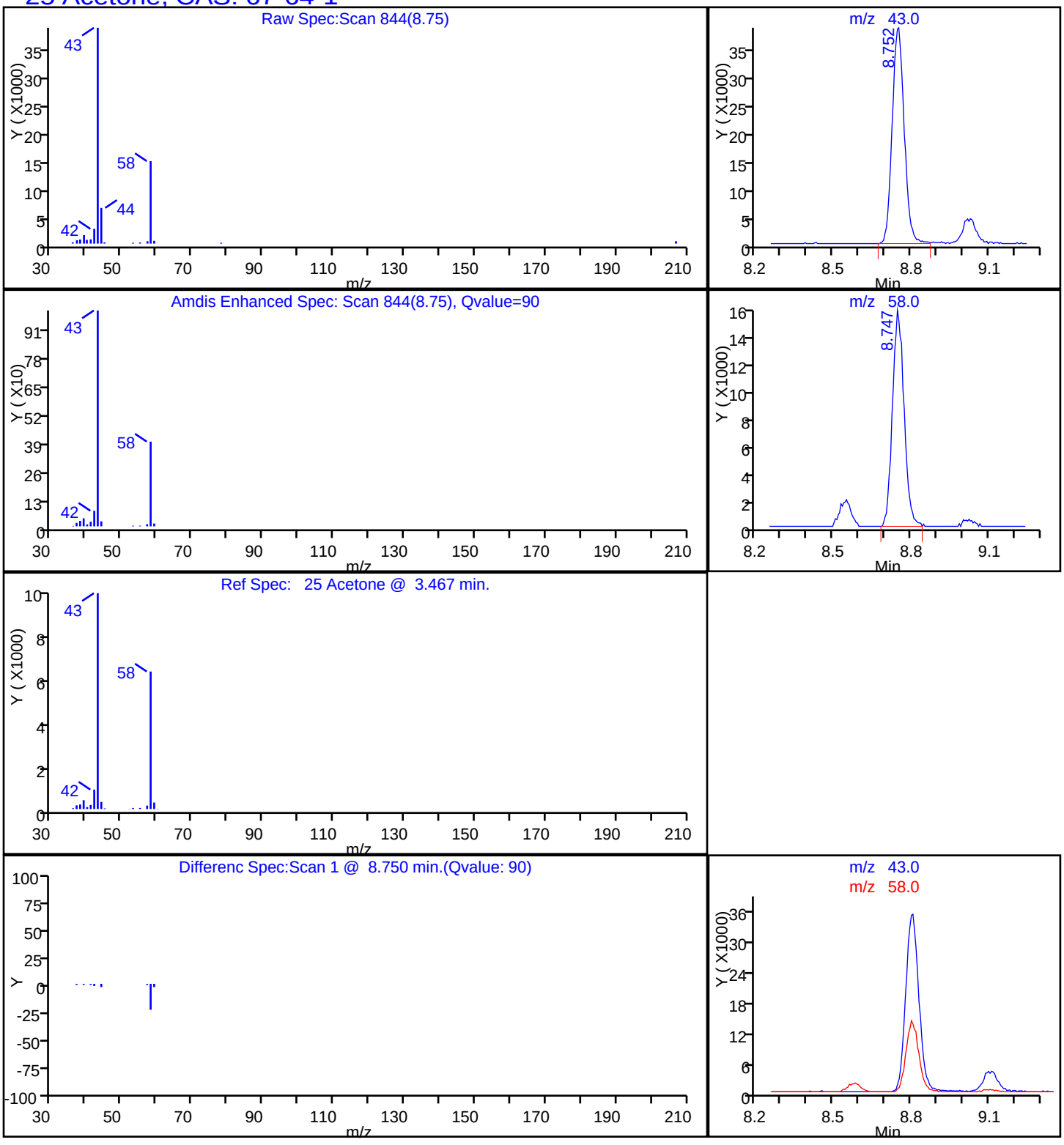
Report Date: 21-Jul-2014 09:59:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



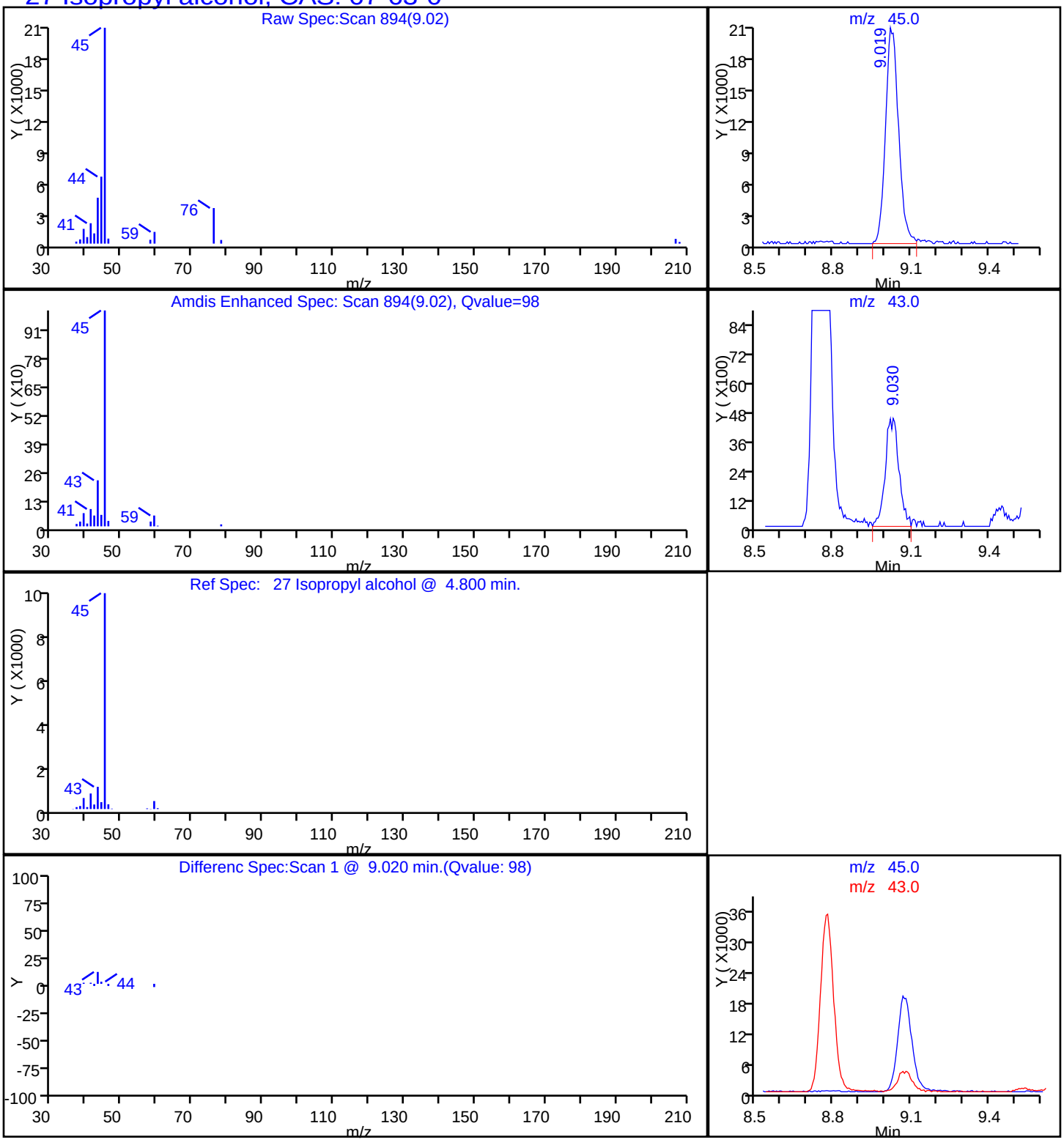
Report Date: 21-Jul-2014 09:59:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



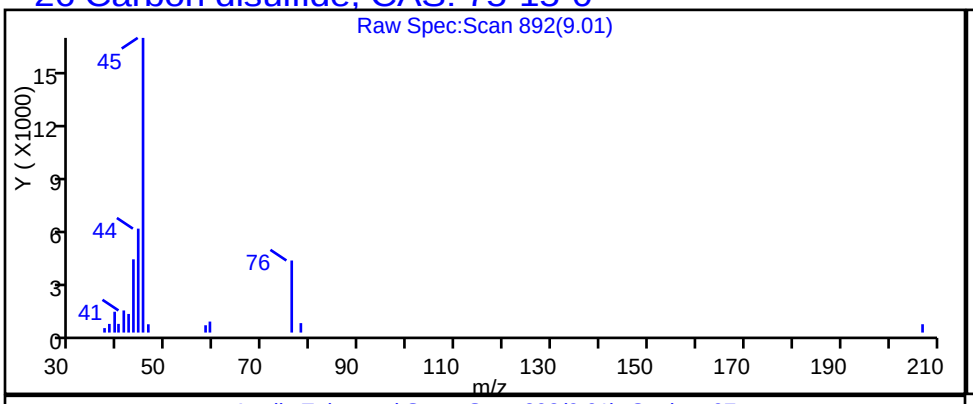
Report Date: 21-Jul-2014 09:59:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

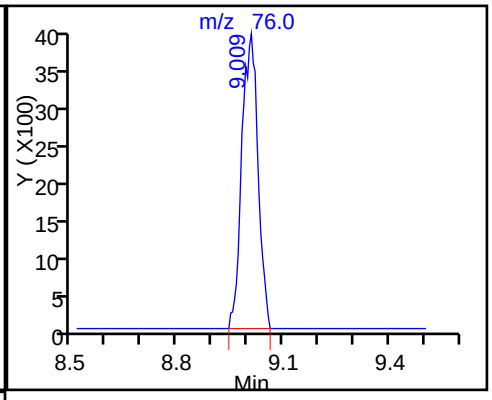
TestAmerica Burlington

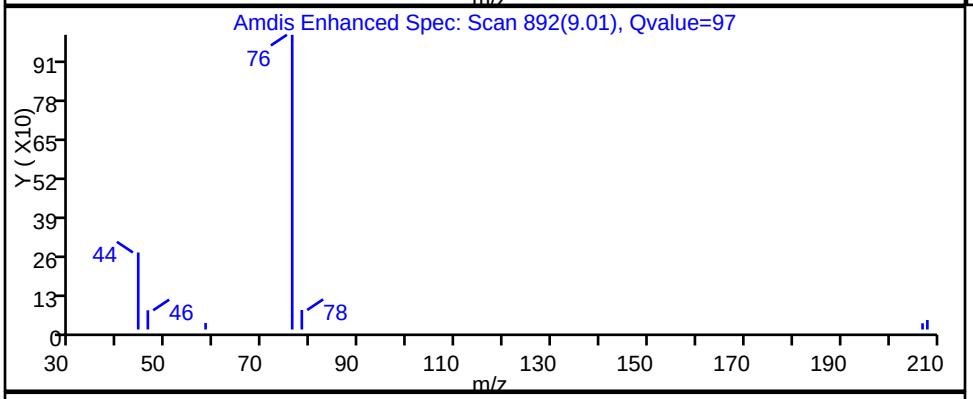
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

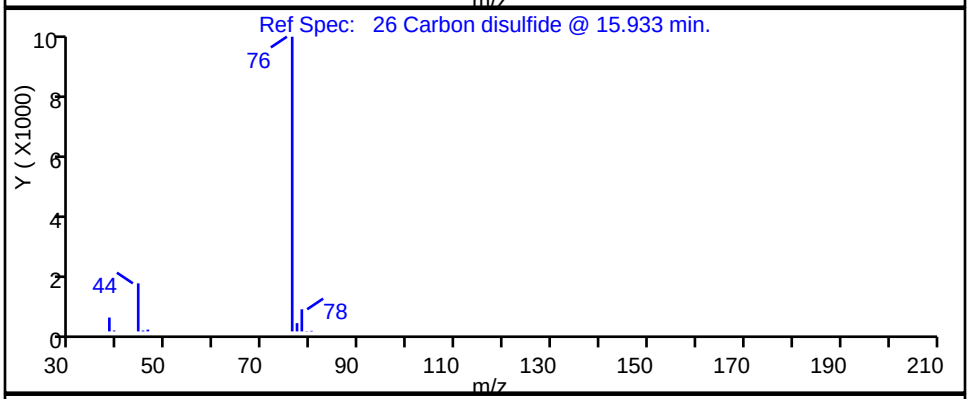
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

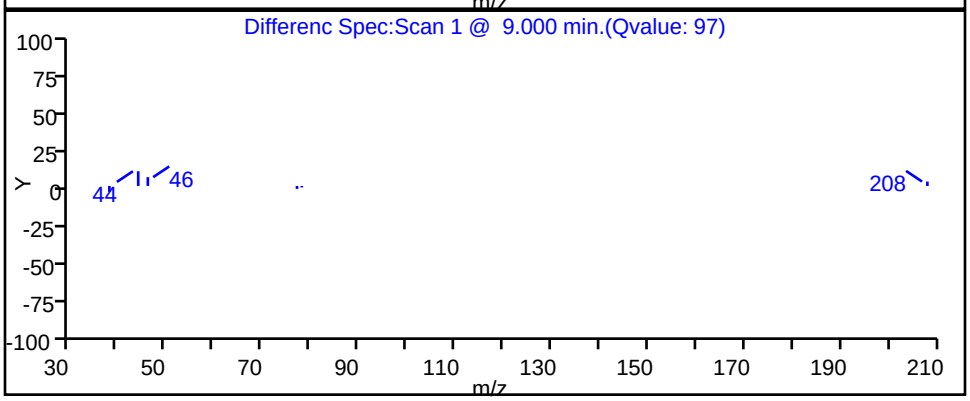
26 Carbon disulfide, CAS: 75-15-0











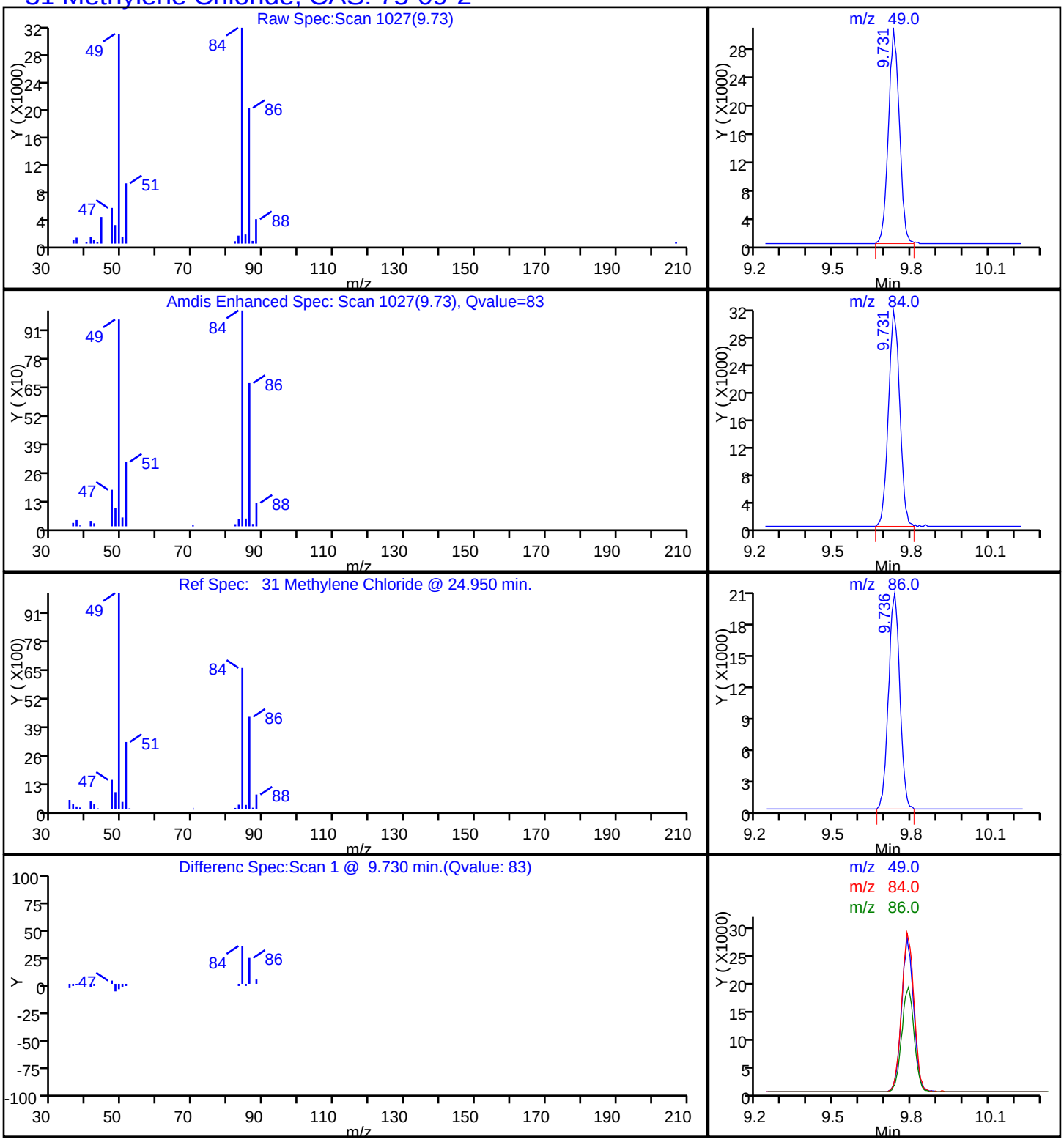
Report Date: 21-Jul-2014 09:59:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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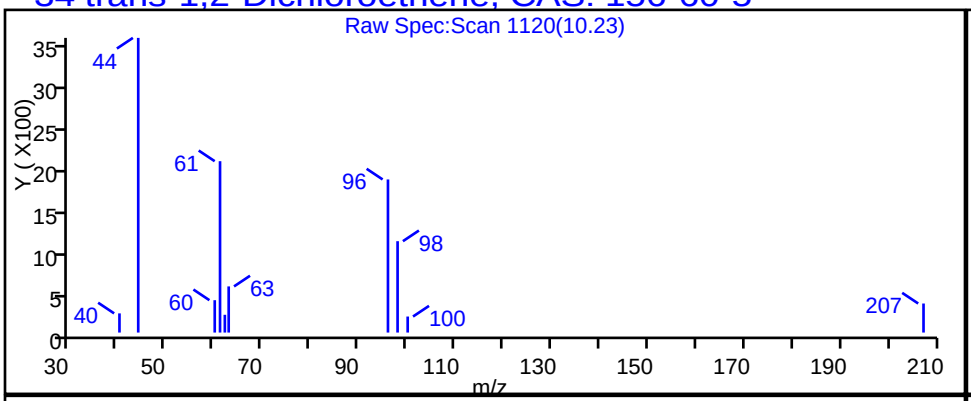
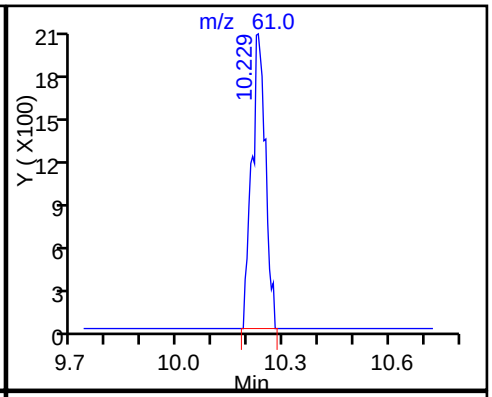
TestAmerica Burlington

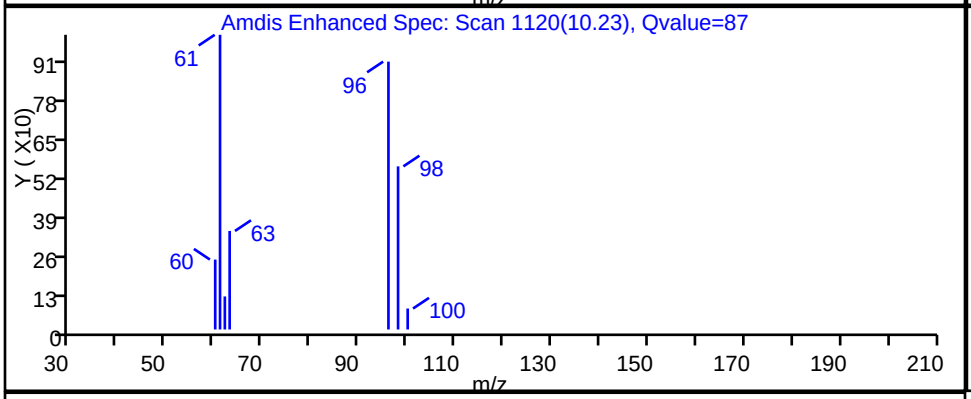
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

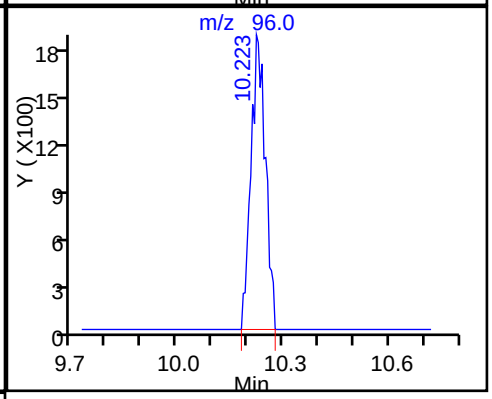
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

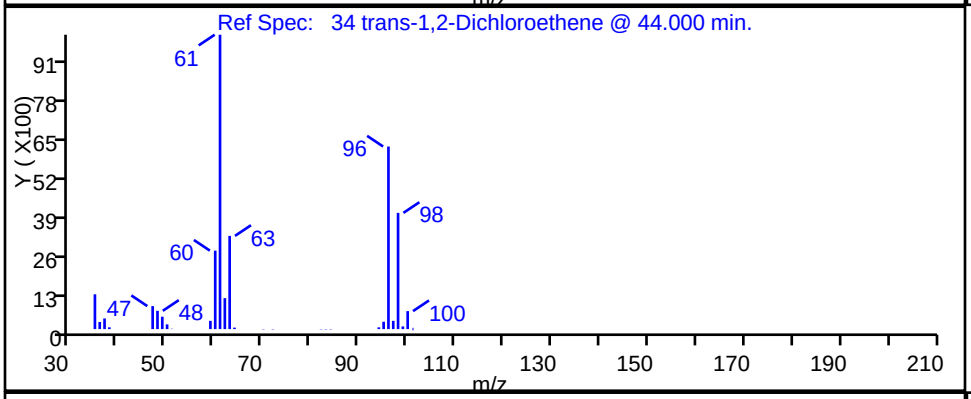
34 trans-1,2-Dichloroethene, CAS: 156-60-5

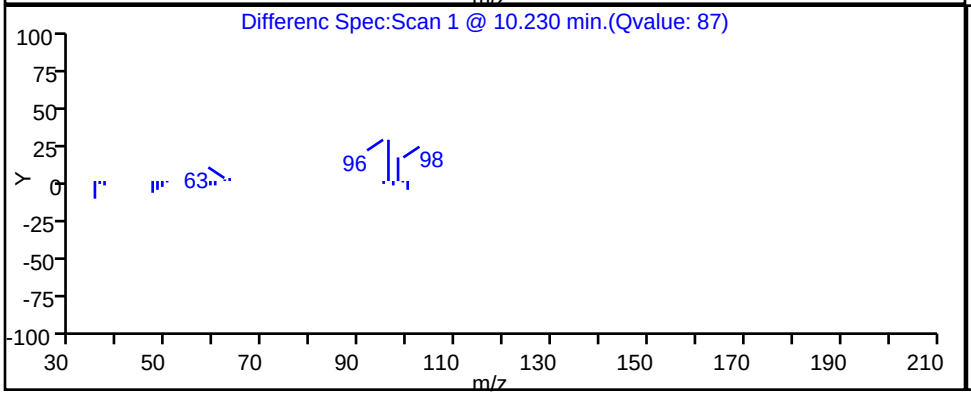


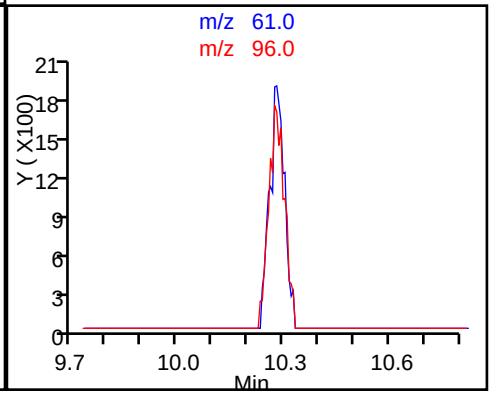












Report Date: 21-Jul-2014 09:59:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

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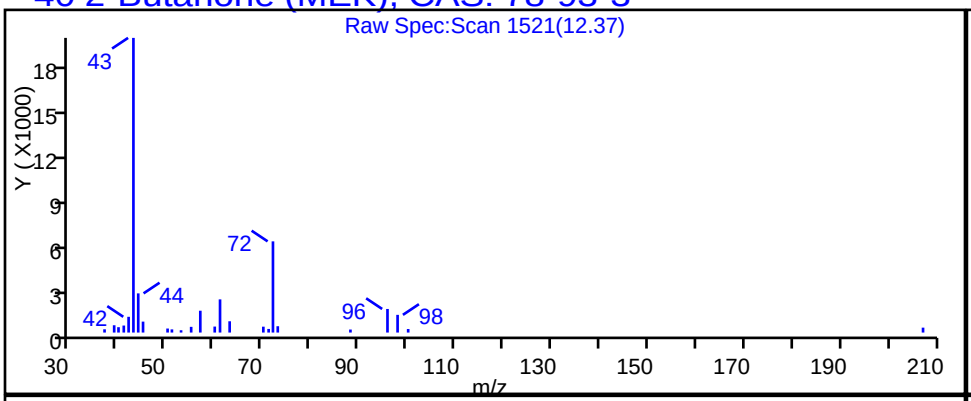
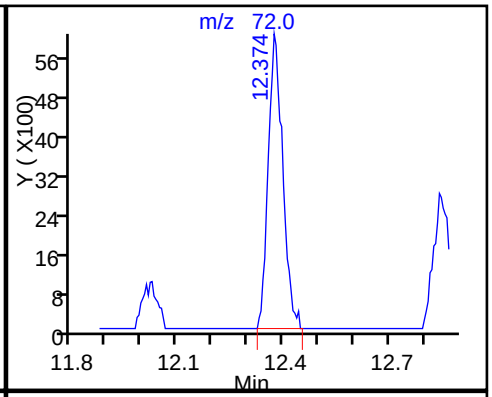
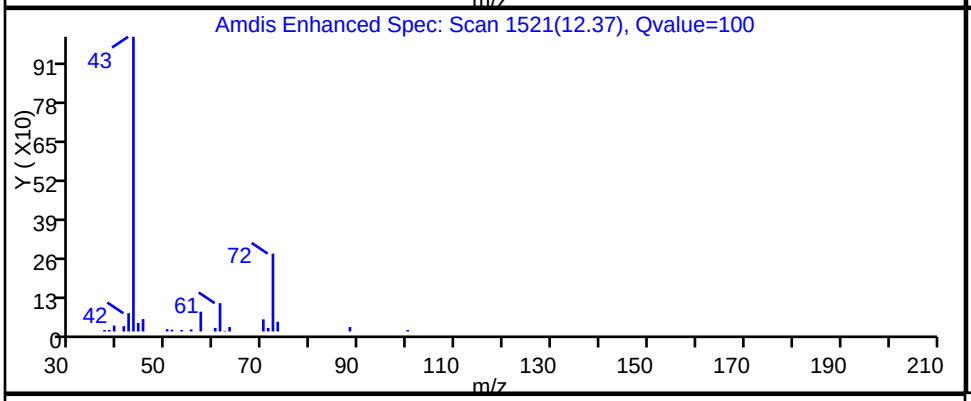
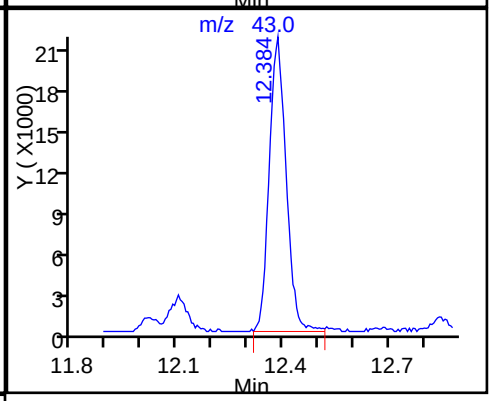
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

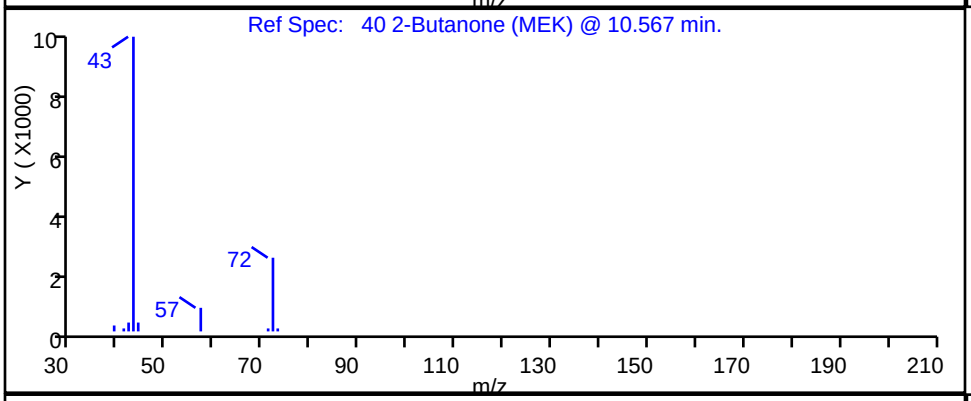
40 2-Butanone (MEK), CAS: 78-93-3

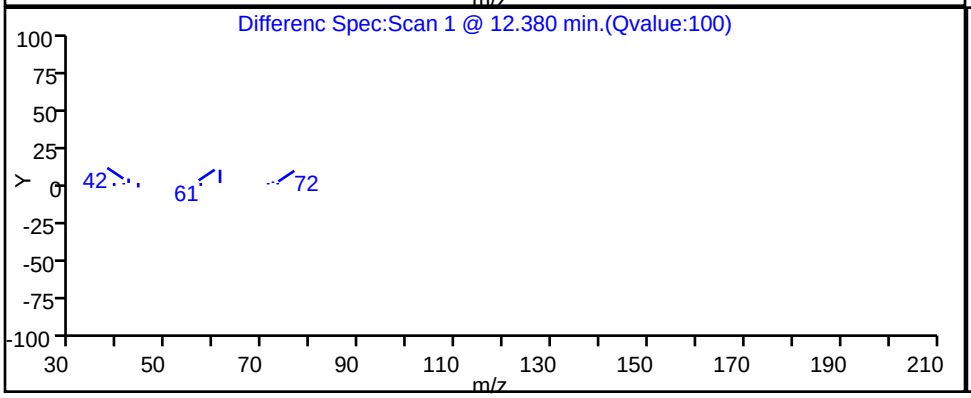


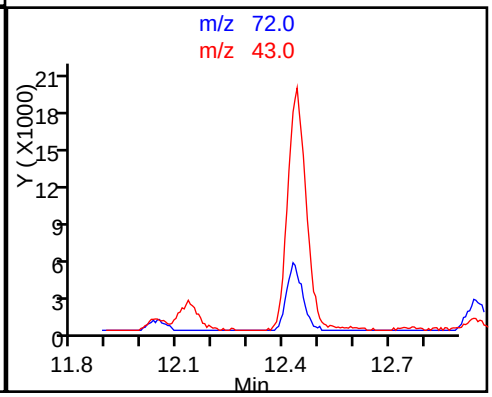












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TestAmerica Burlington

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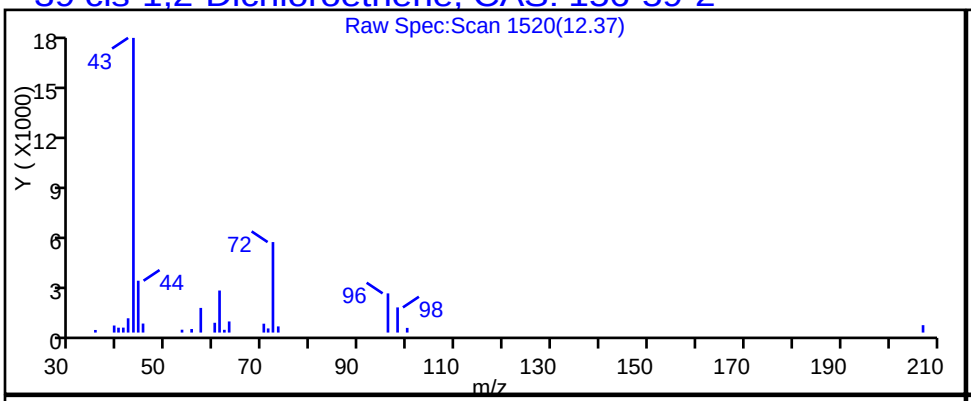
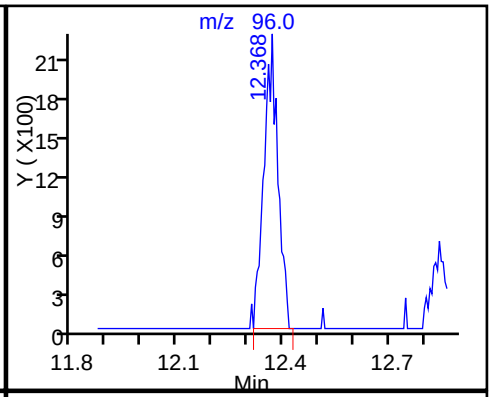
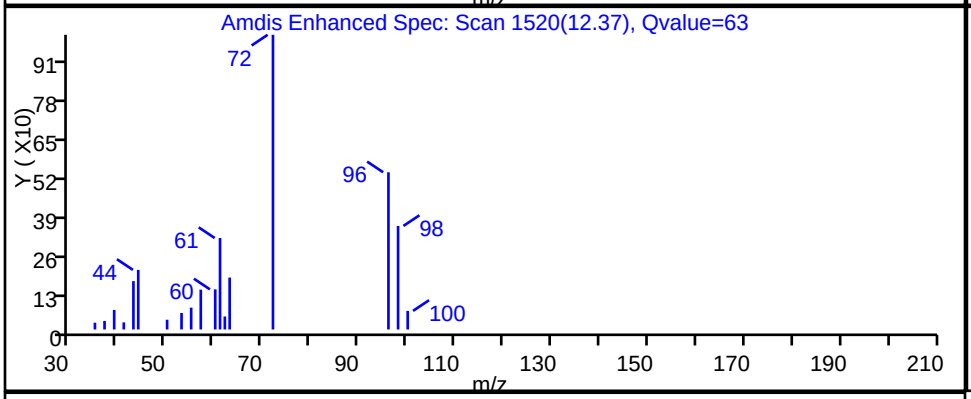
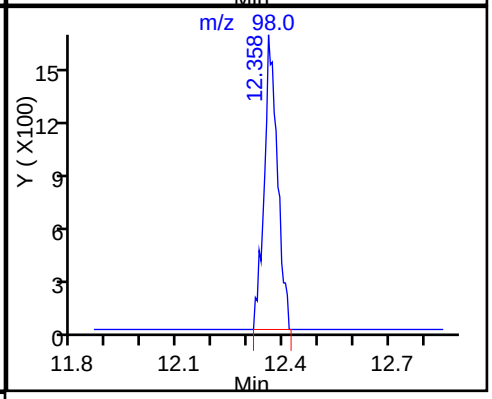
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

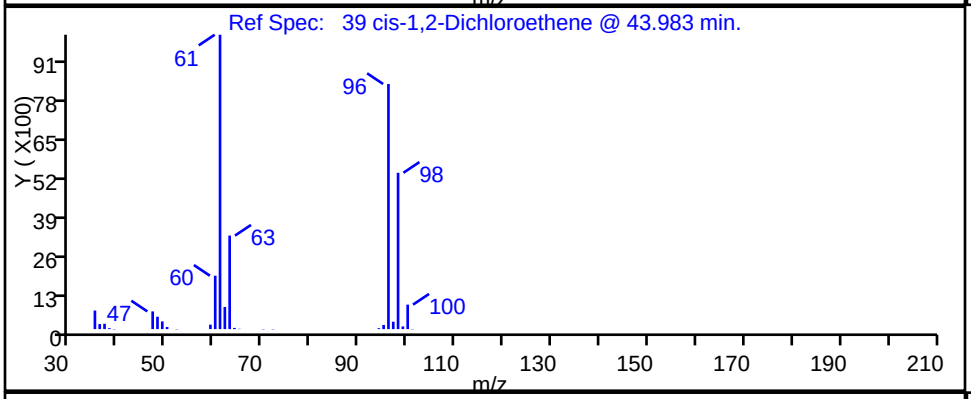
39 cis-1,2-Dichloroethene, CAS: 156-59-2

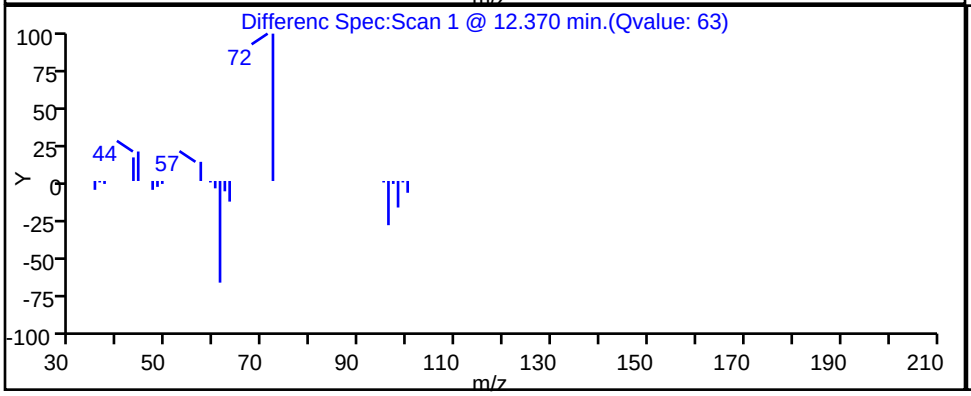


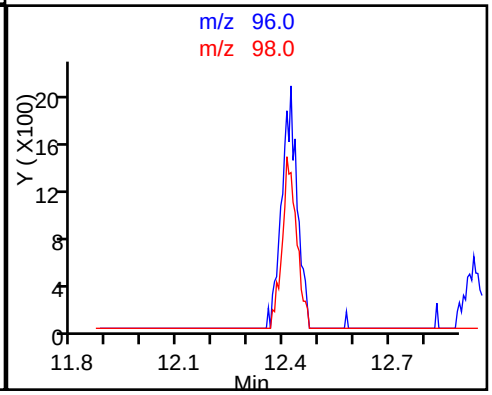












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TestAmerica Burlington

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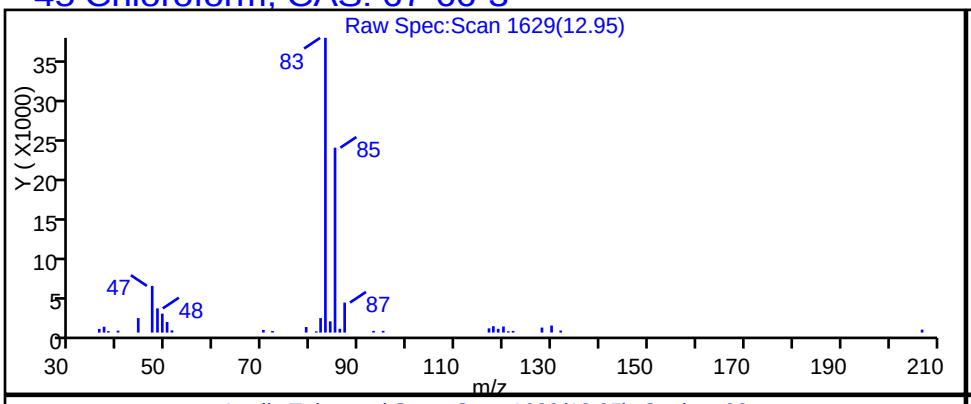
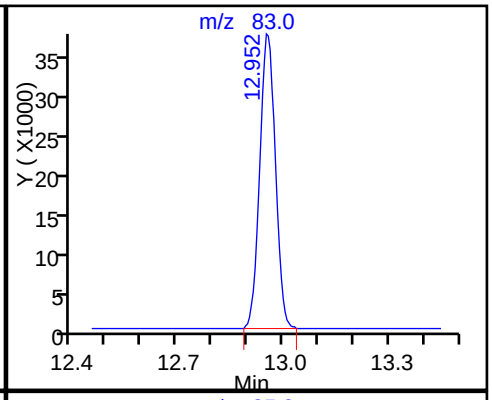
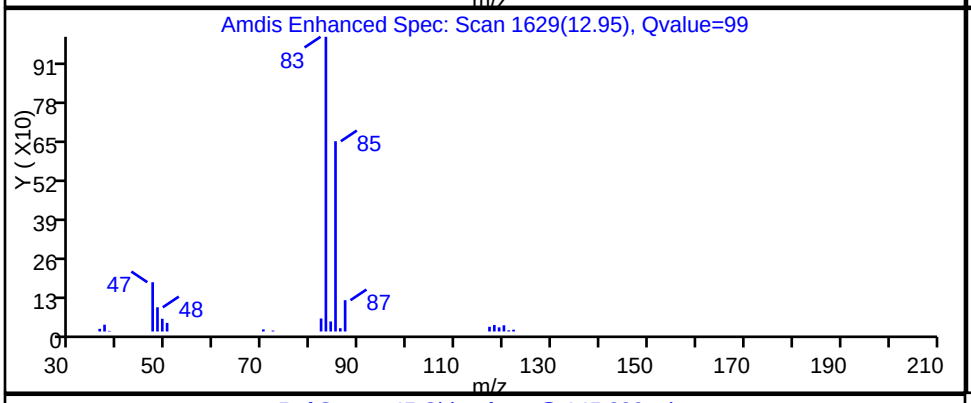
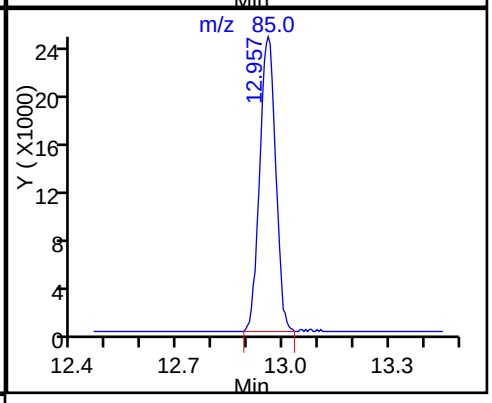
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

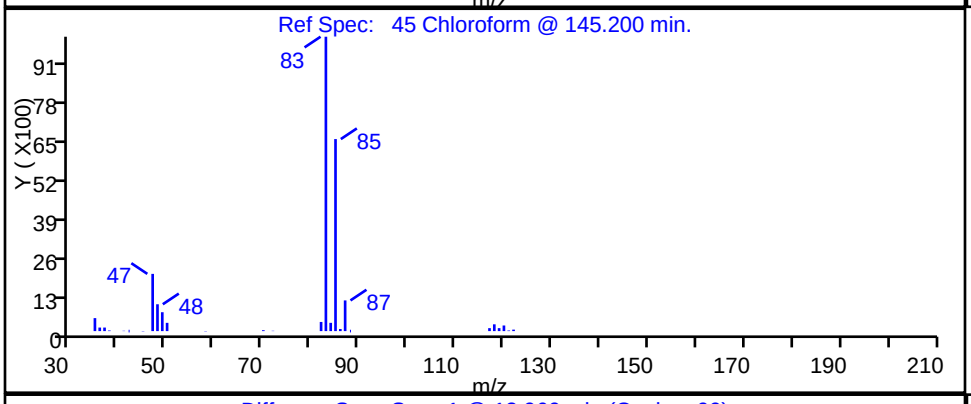
45 Chloroform, CAS: 67-66-3

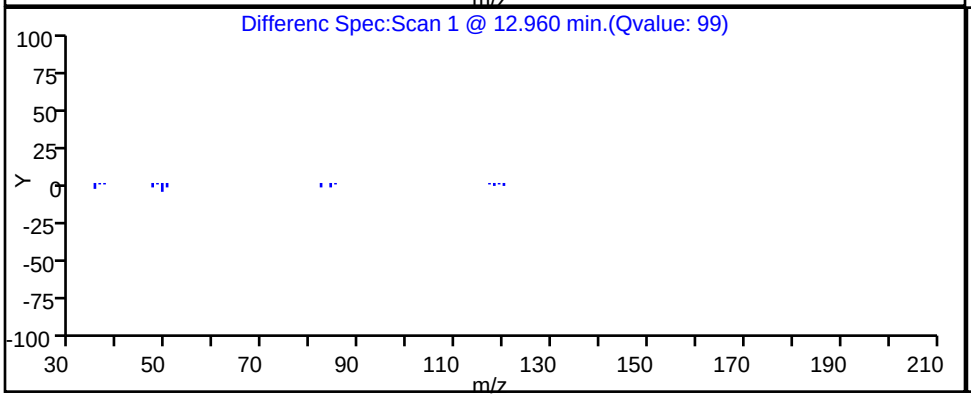


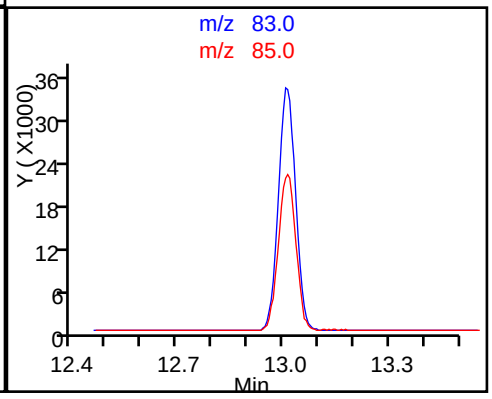












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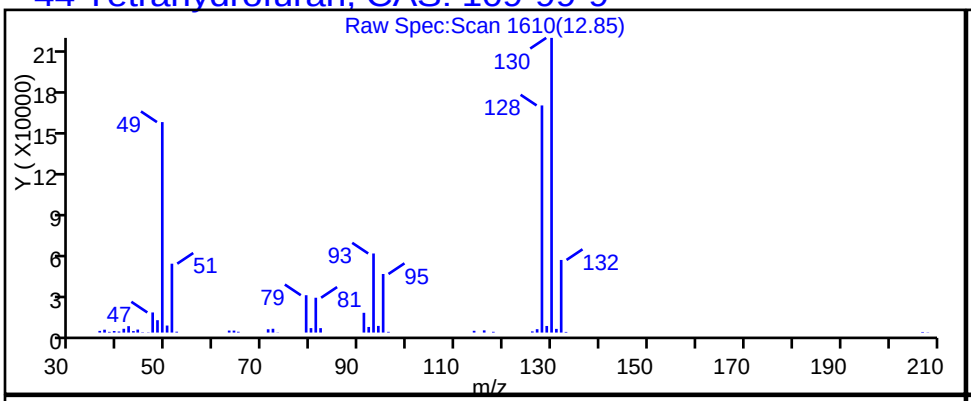
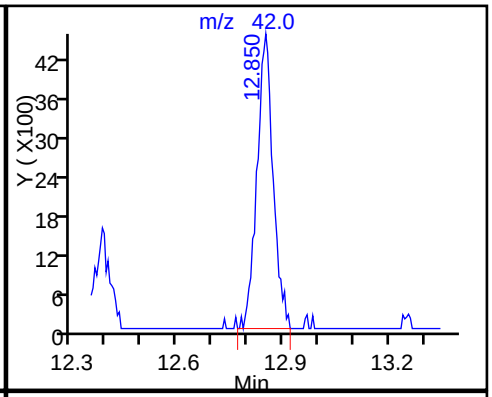
TestAmerica Burlington

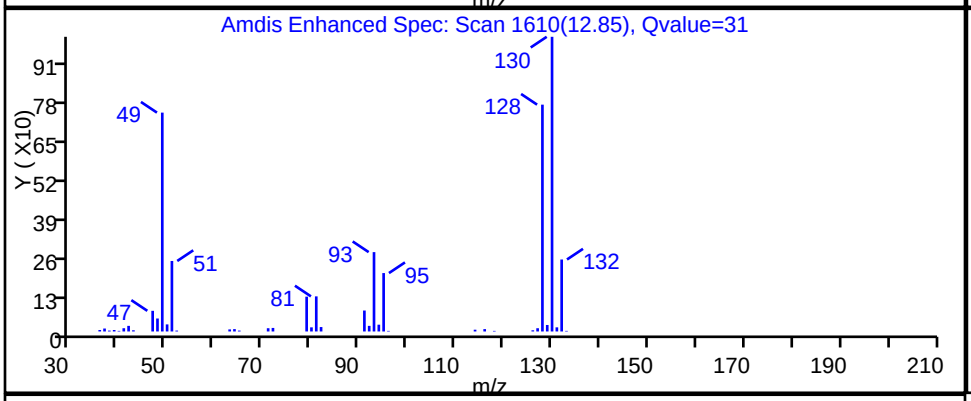
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

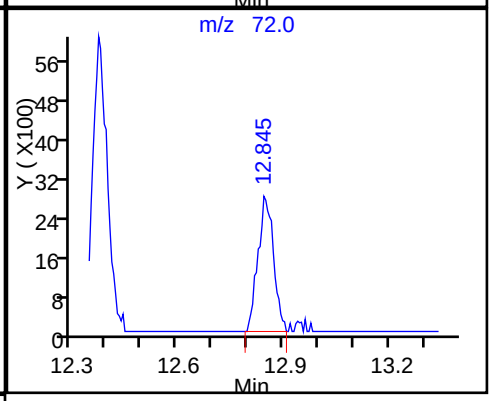
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

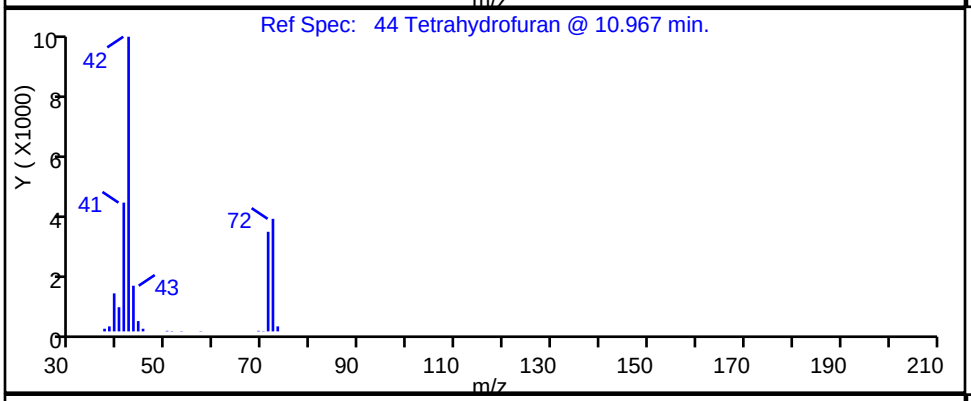
44 Tetrahydrofuran, CAS: 109-99-9

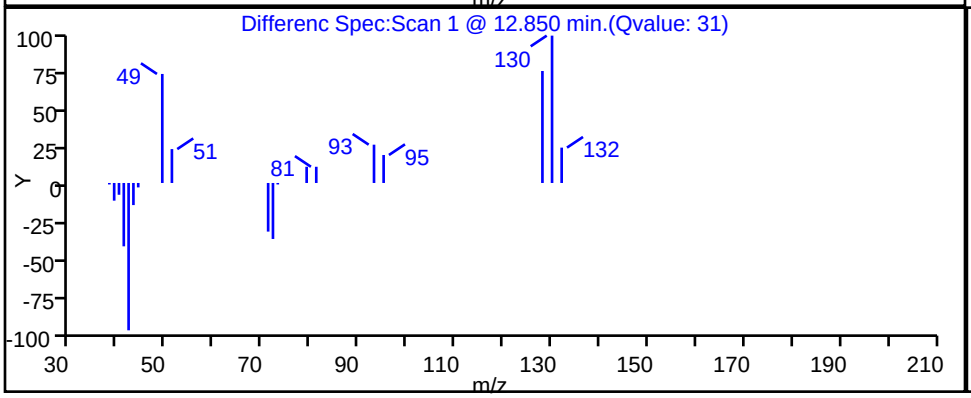


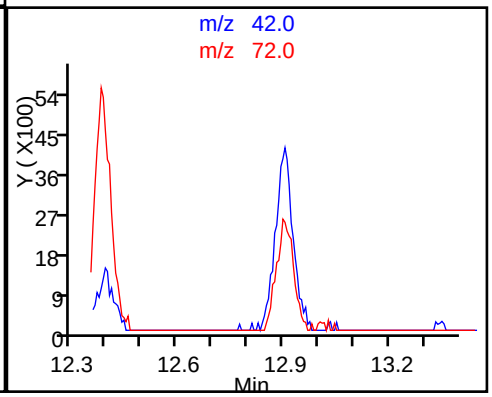












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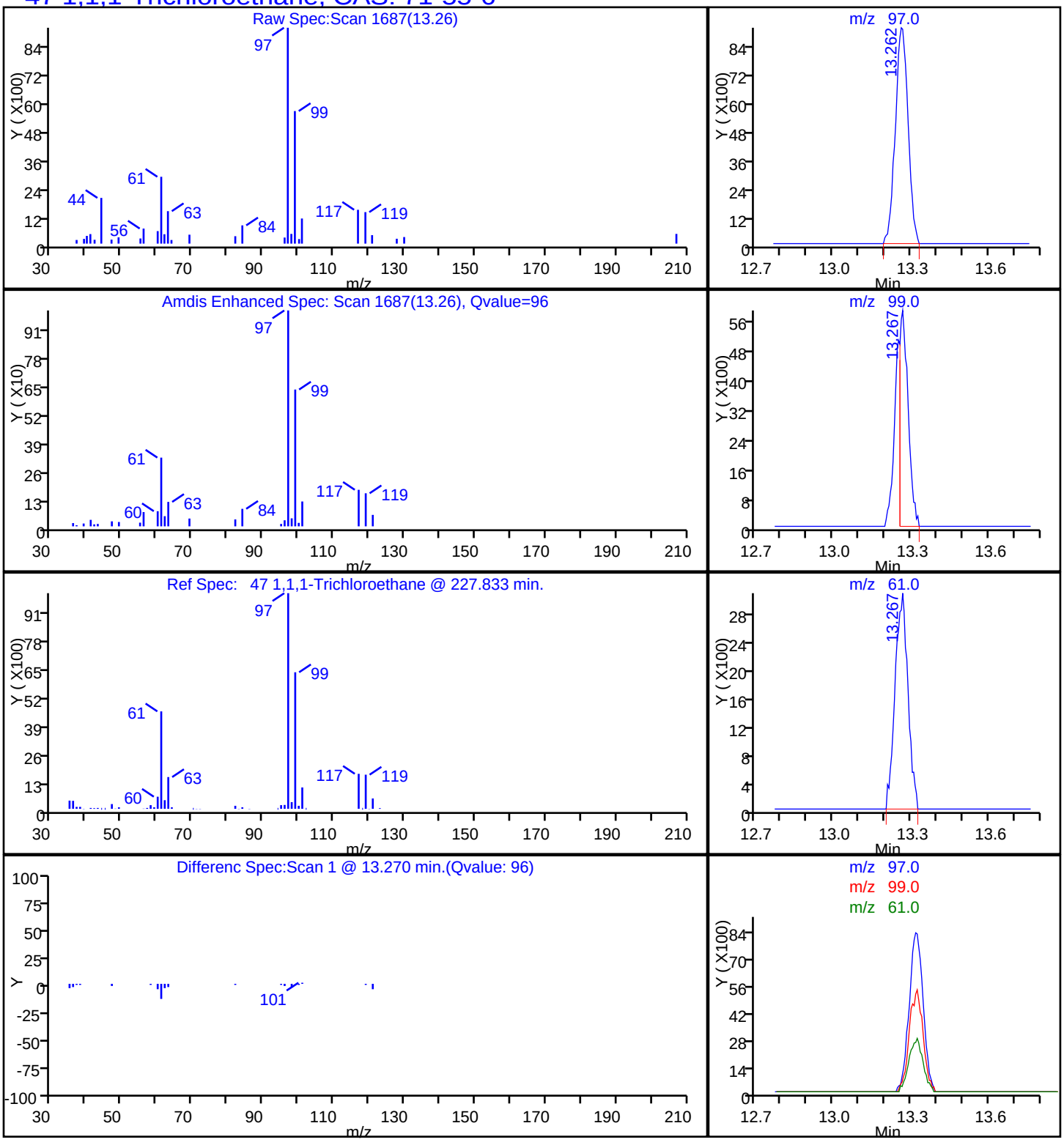
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



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Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
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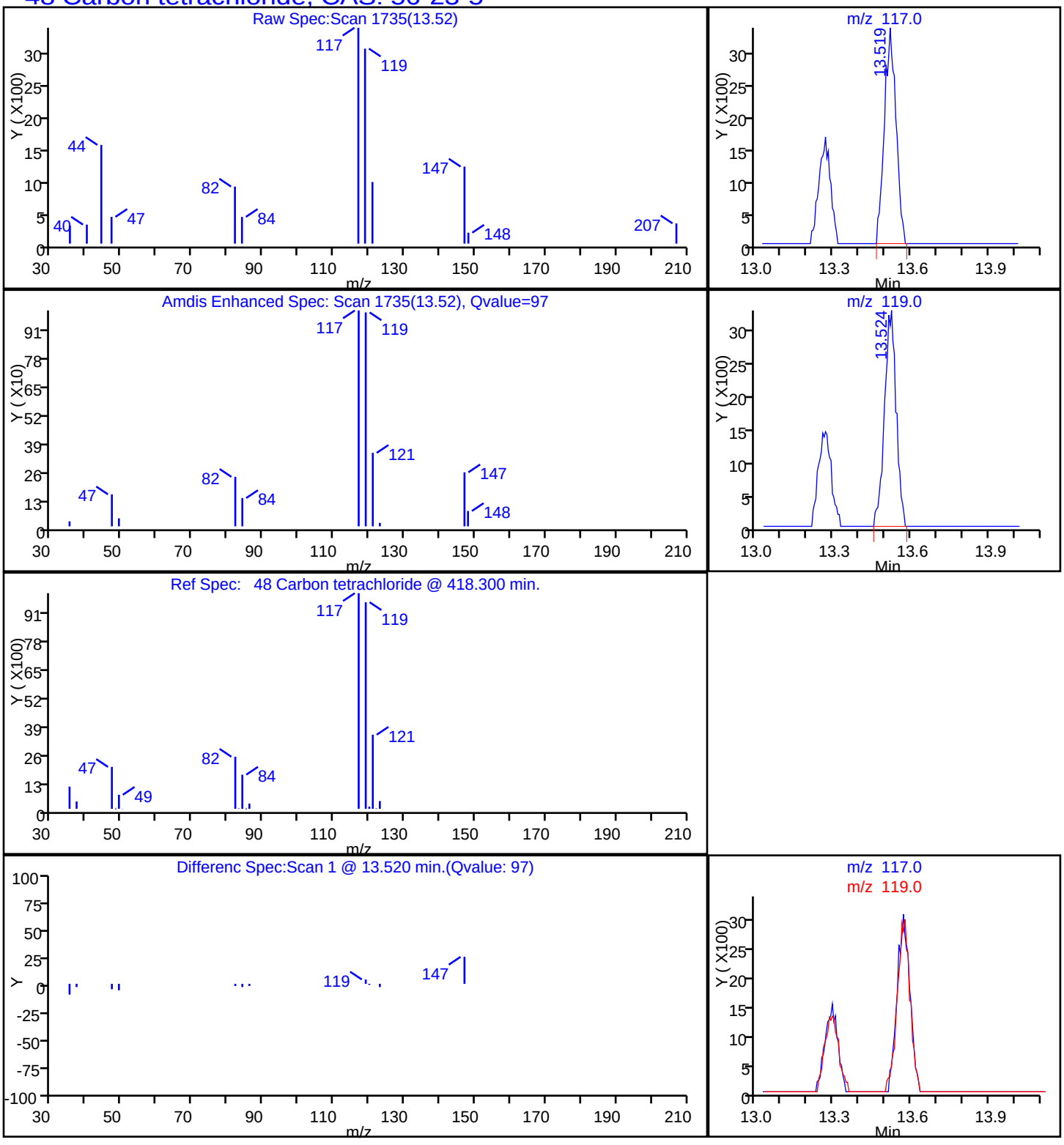
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 Carbon tetrachloride, CAS: 56-23-5



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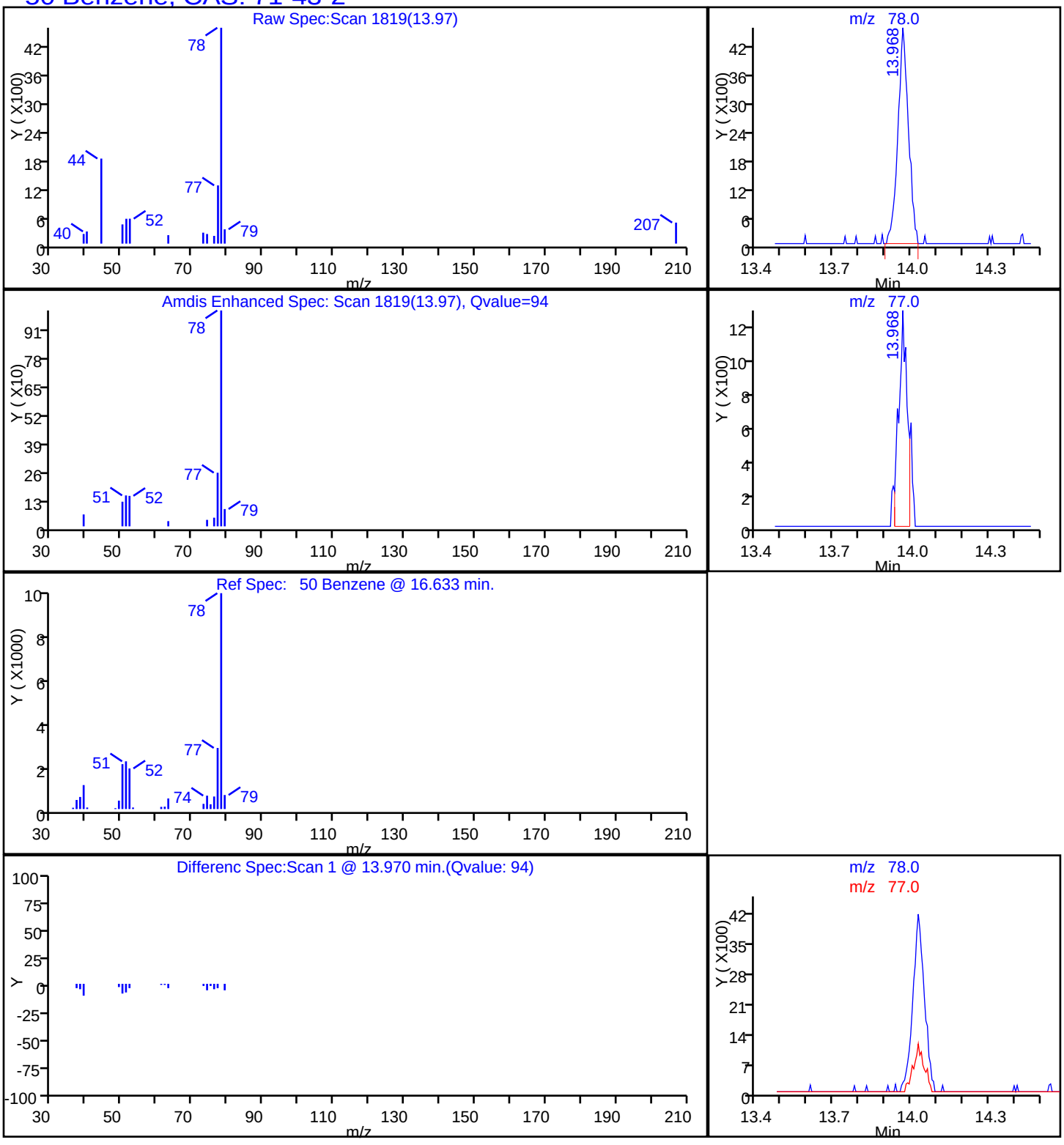
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



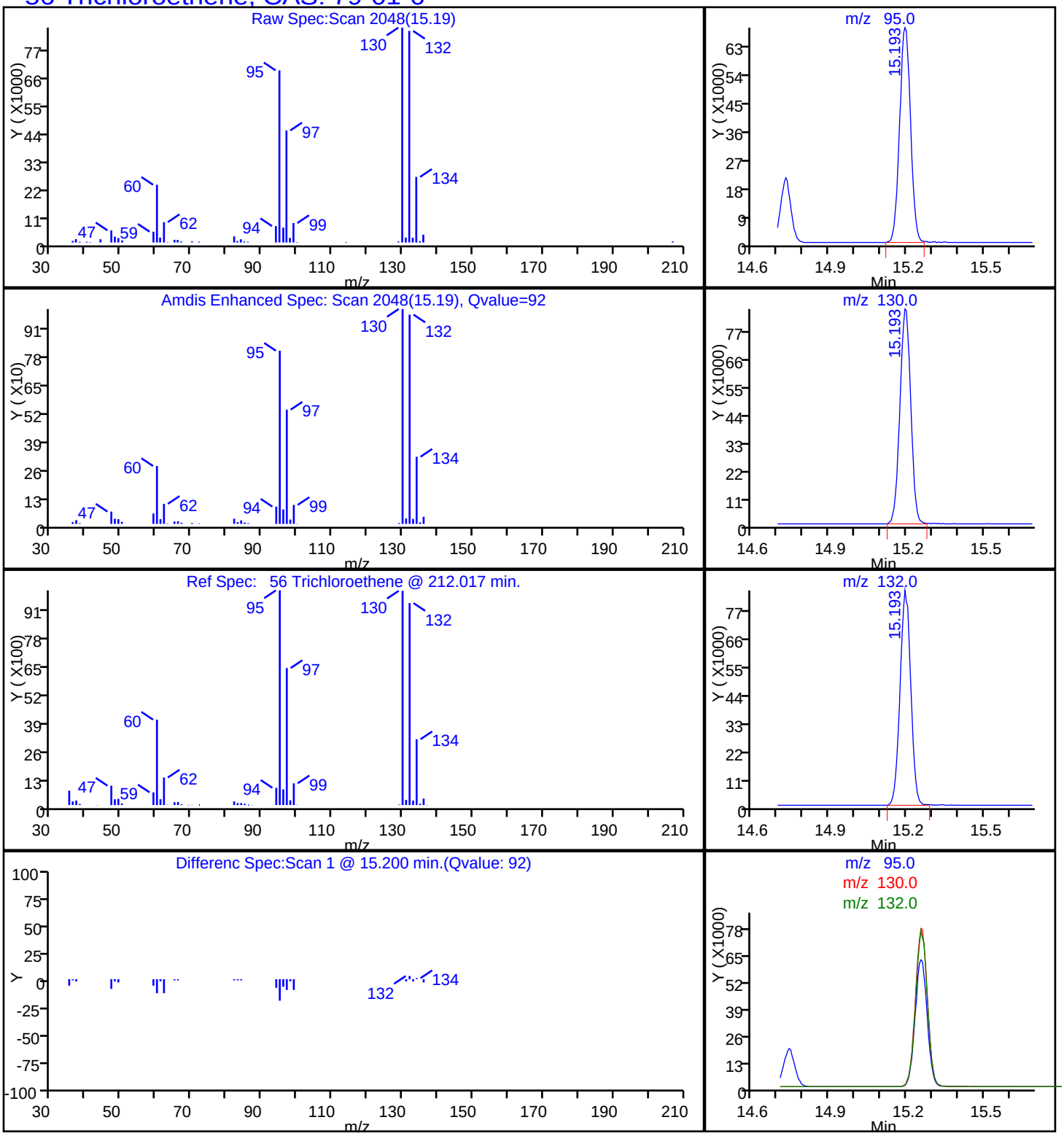
Report Date: 21-Jul-2014 09:59:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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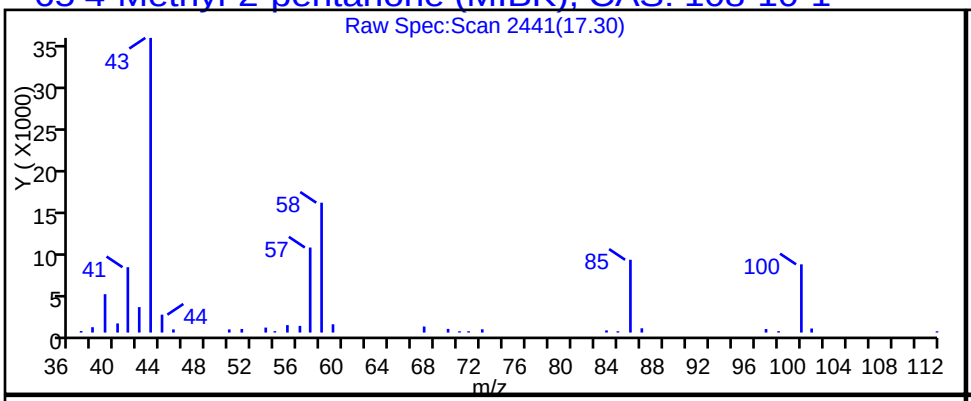
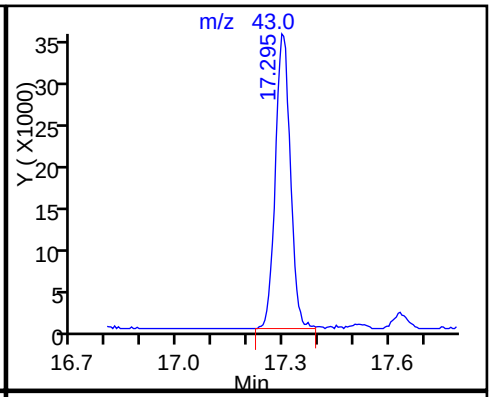
TestAmerica Burlington

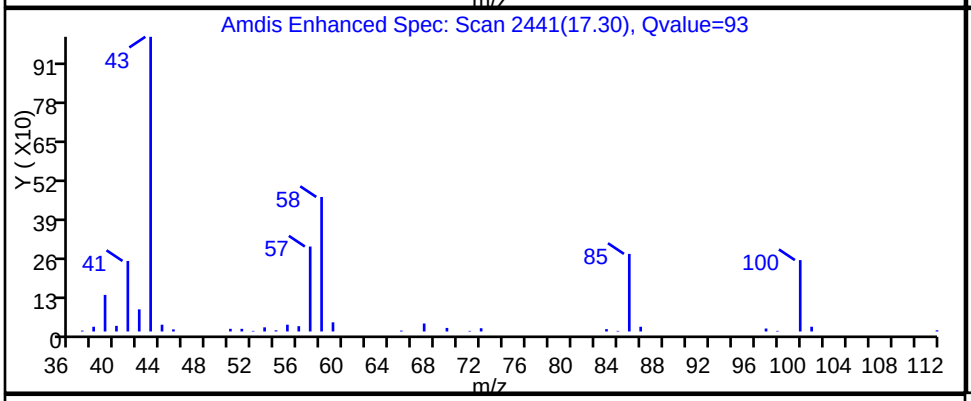
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

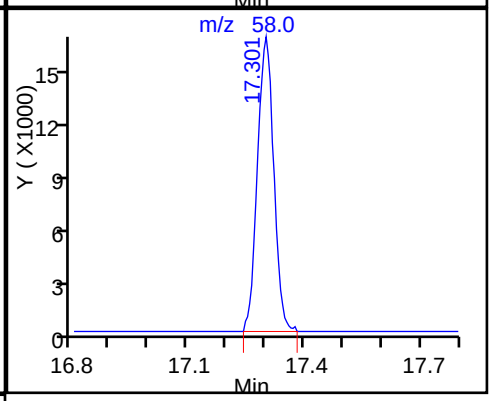
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

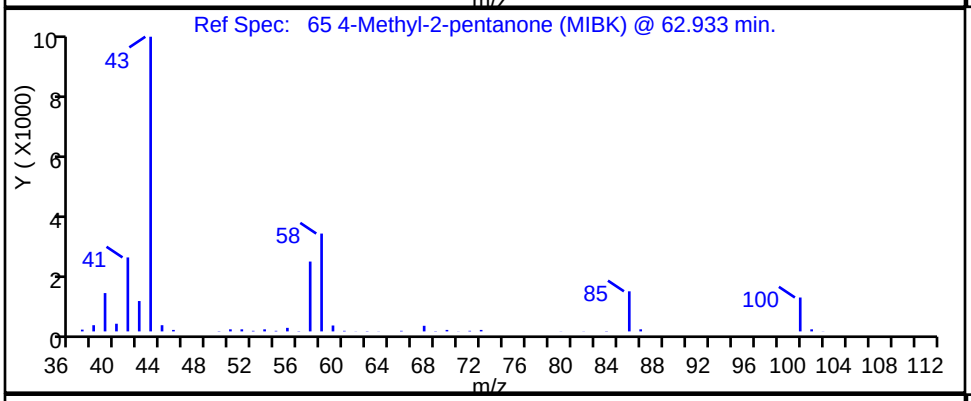
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

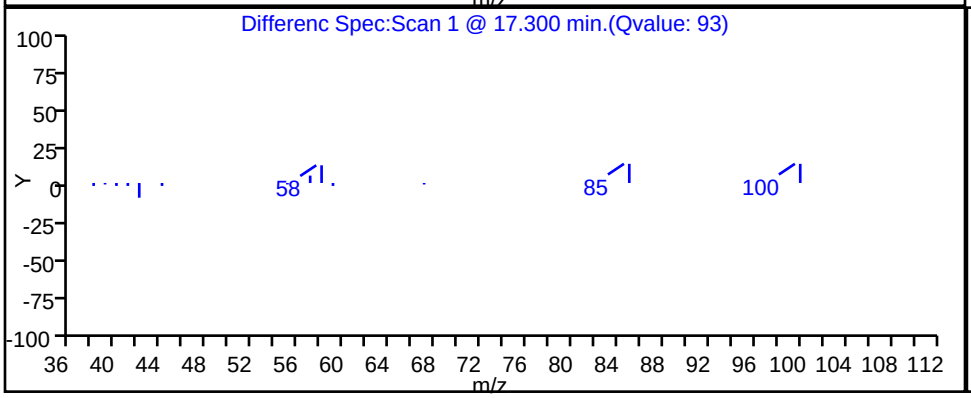


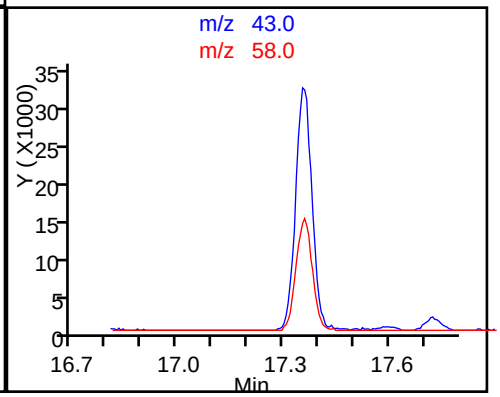












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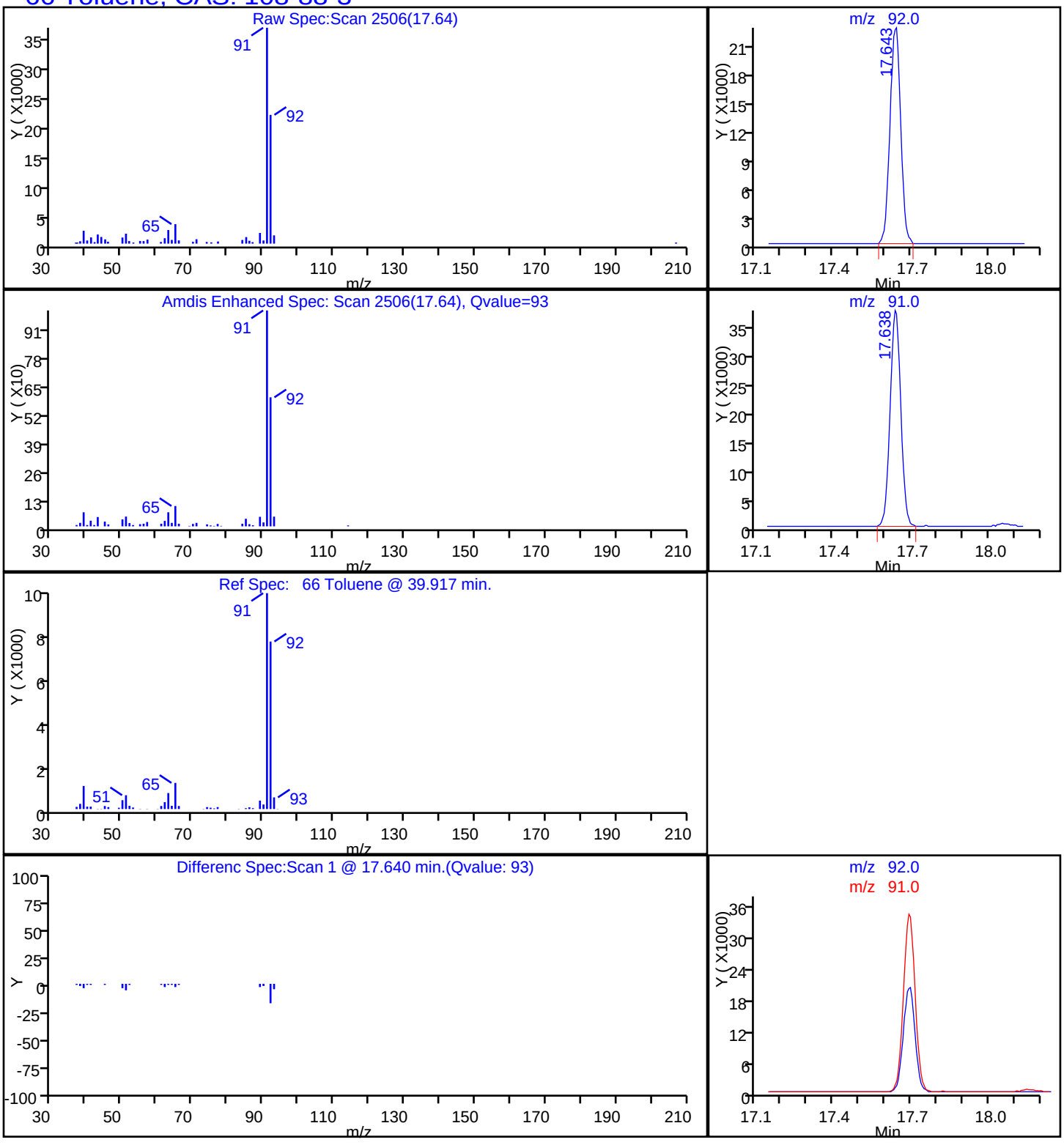
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



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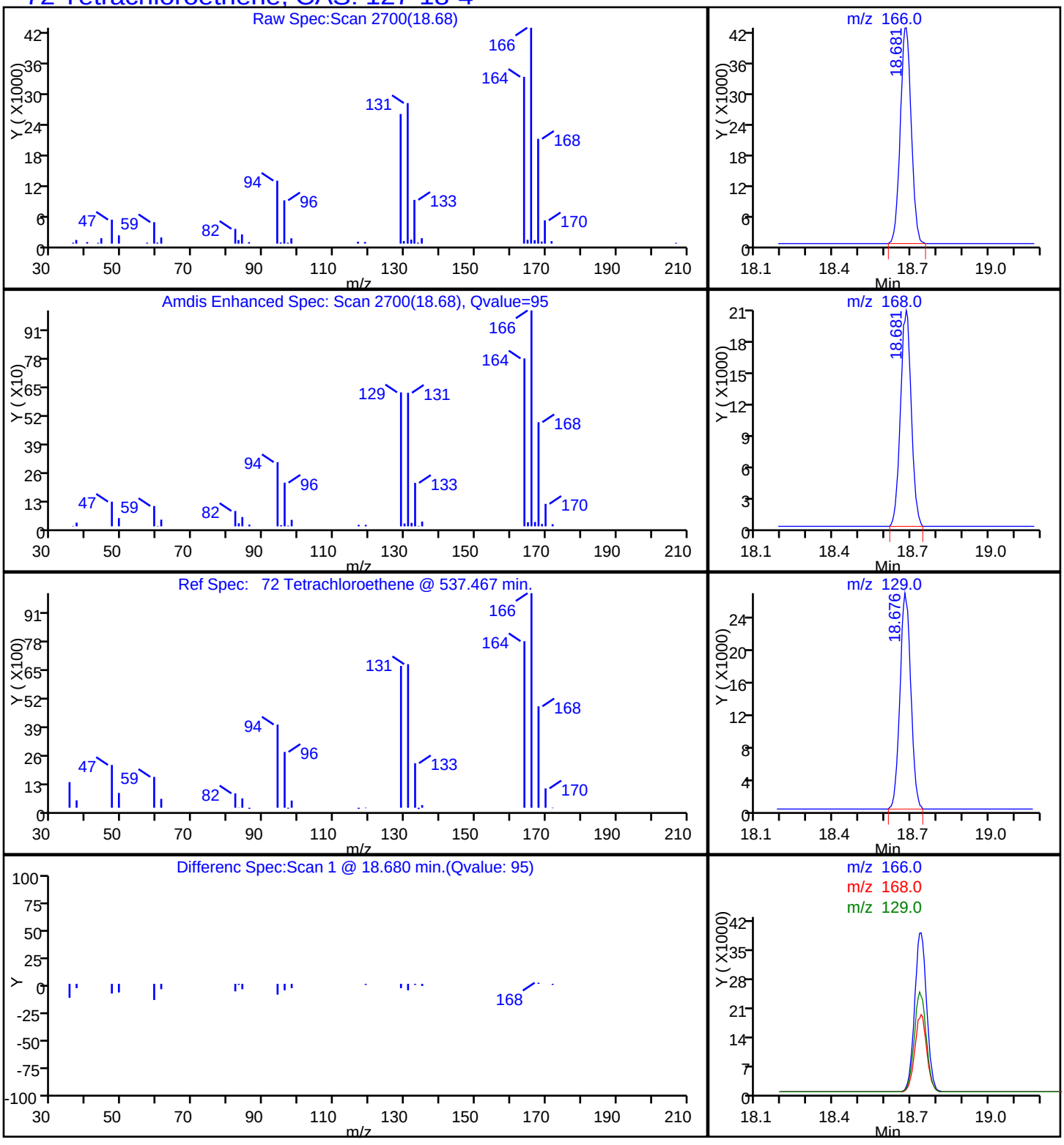
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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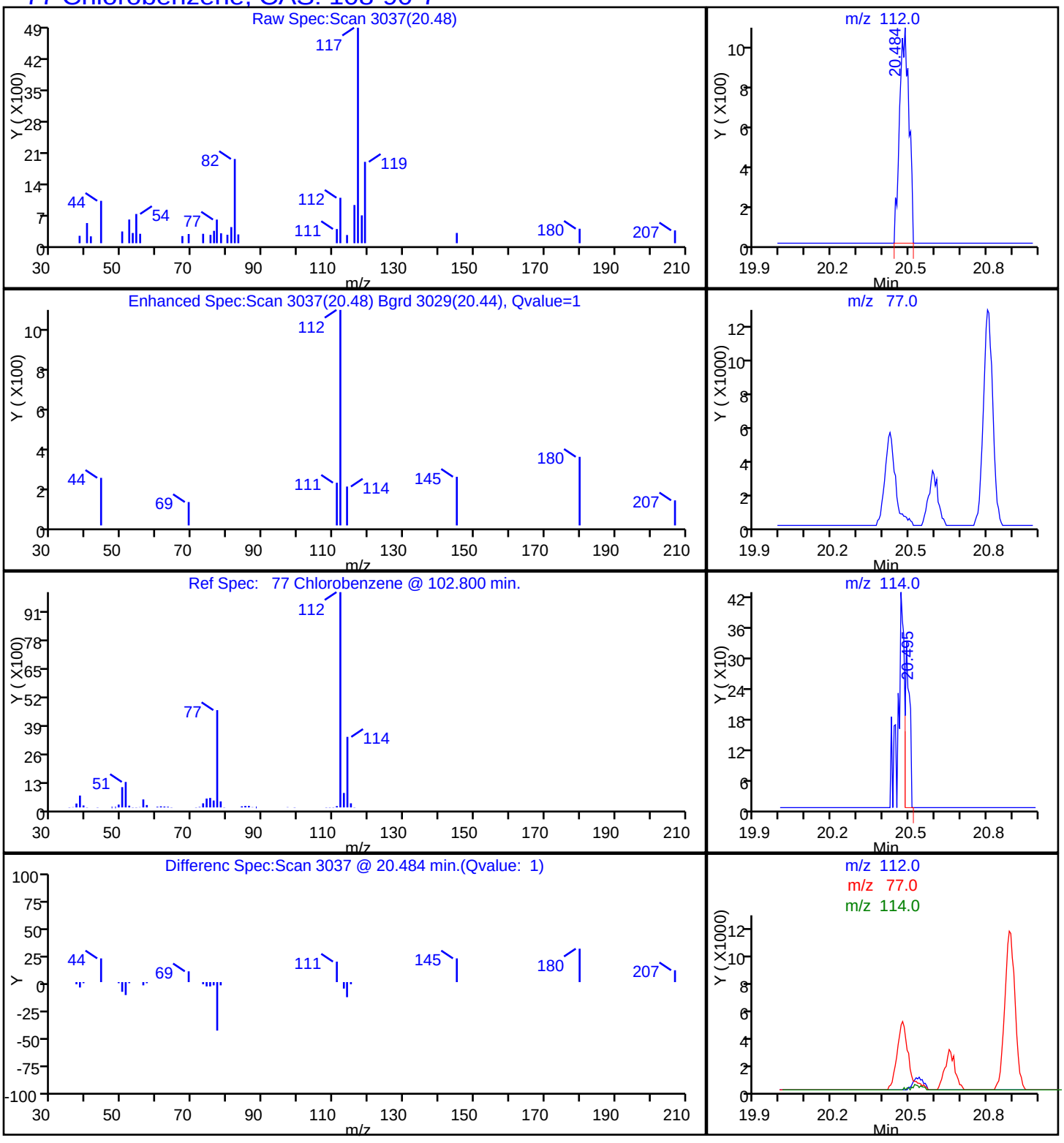
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

77 Chlorobenzene, CAS: 108-90-7



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TestAmerica Burlington

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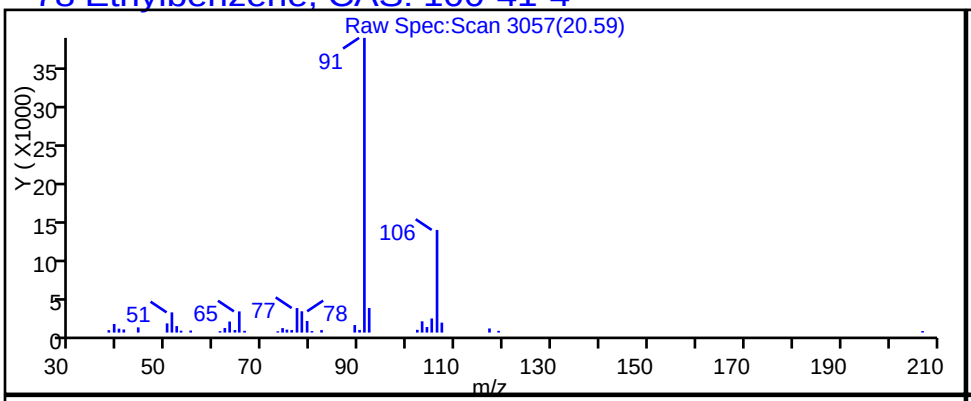
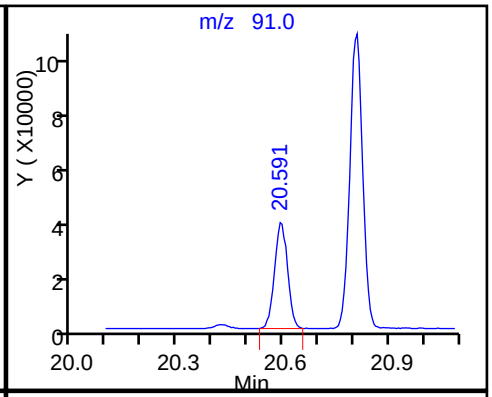
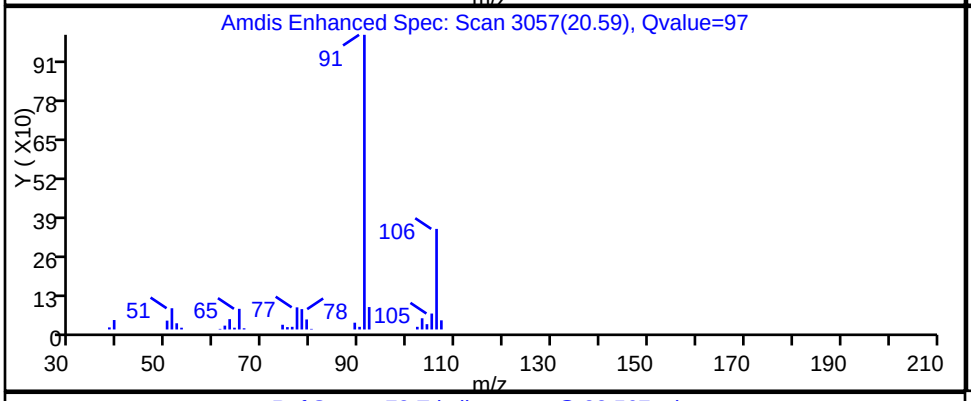
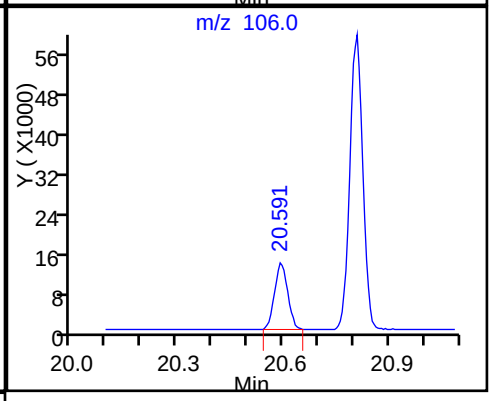
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

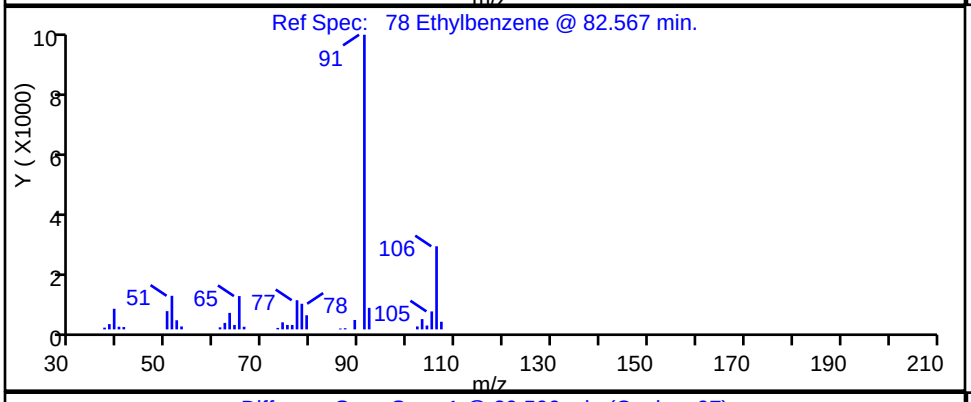
78 Ethylbenzene, CAS: 100-41-4

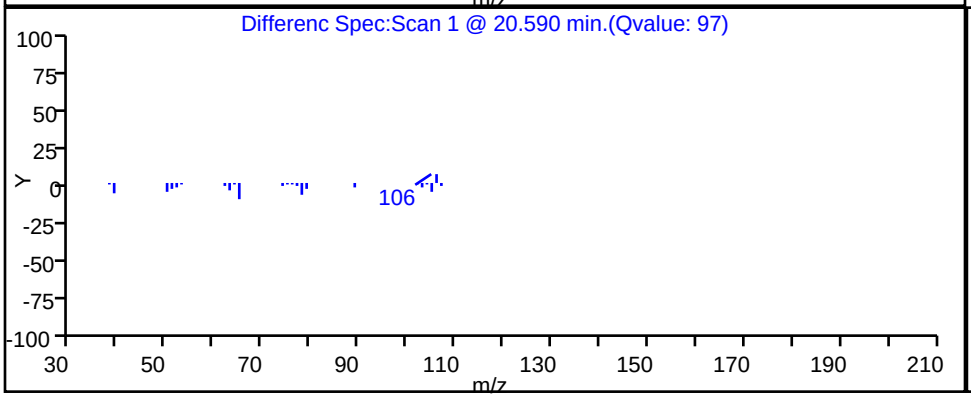


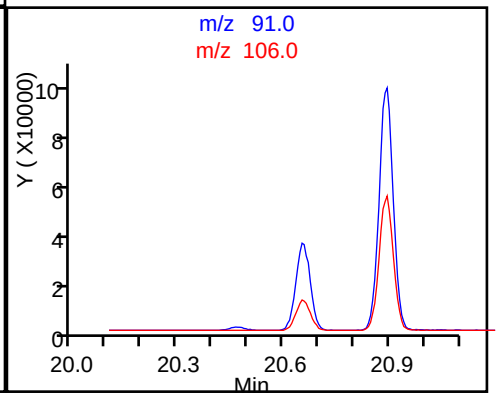












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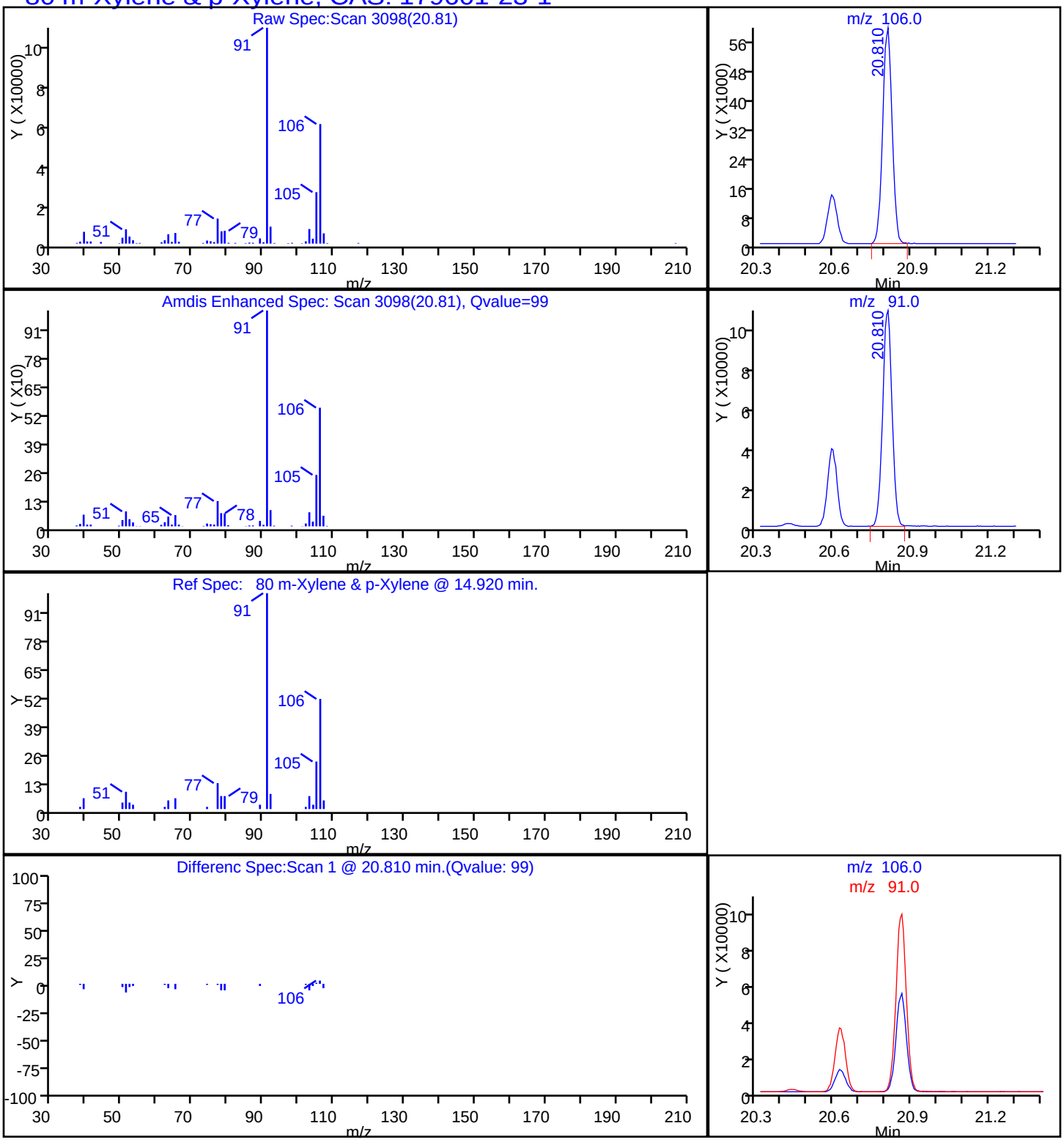
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



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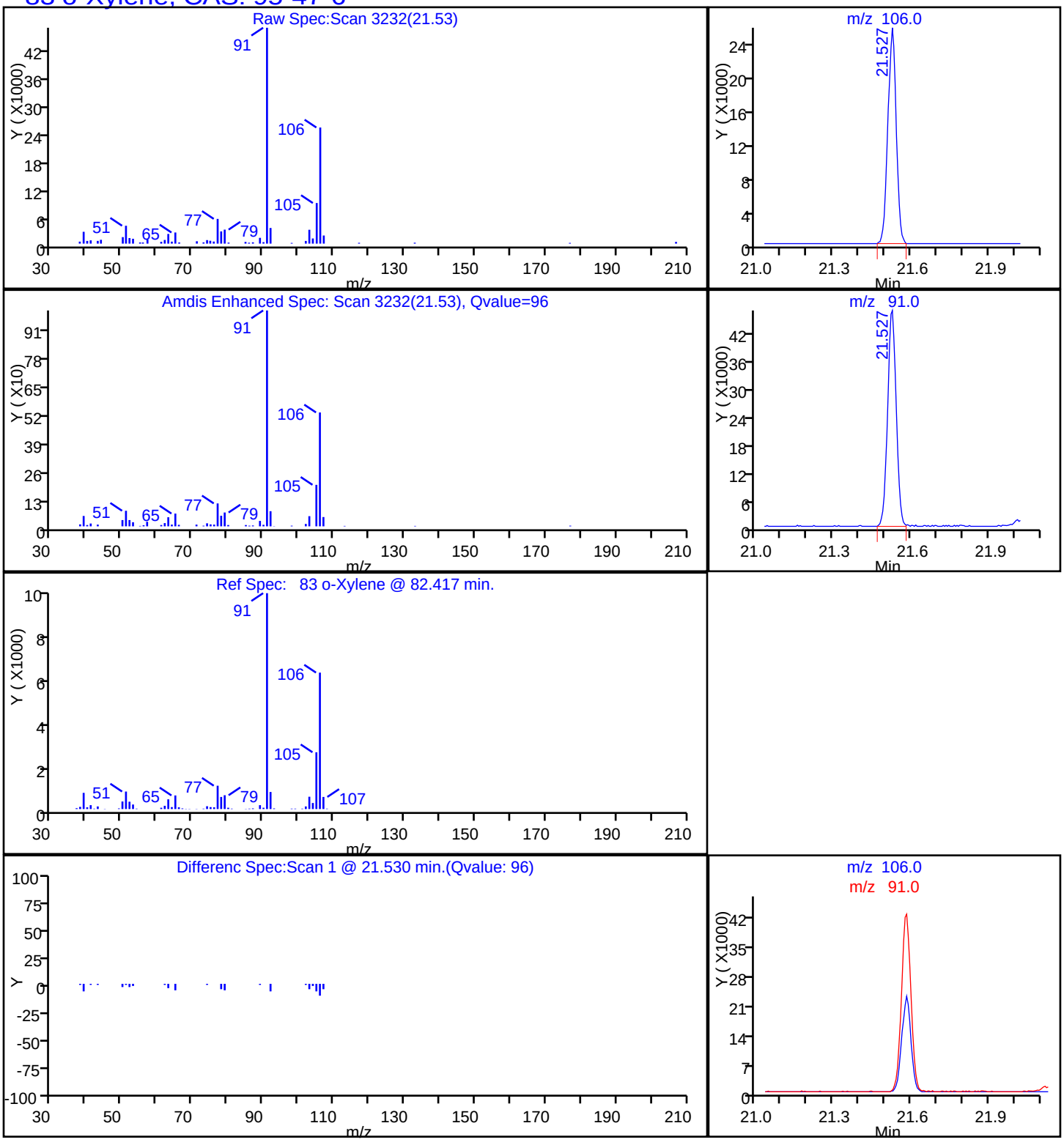
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



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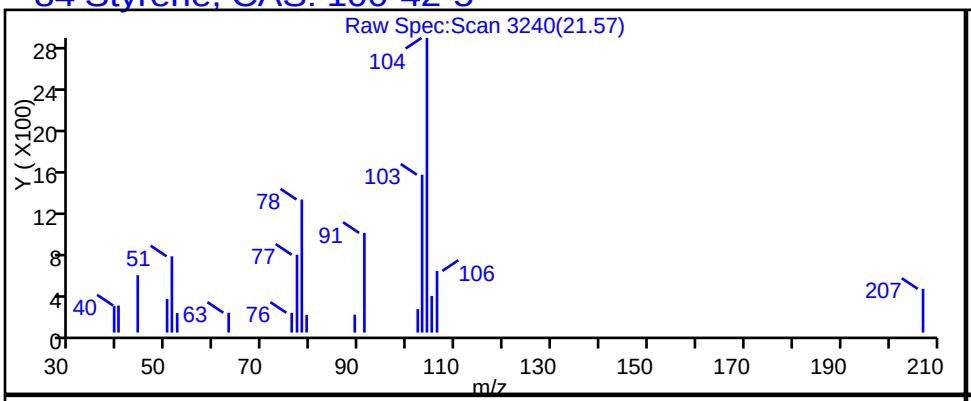
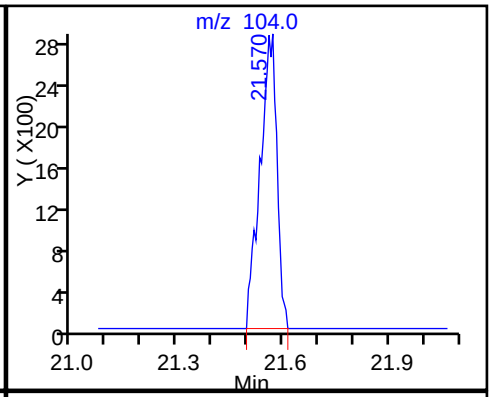
TestAmerica Burlington

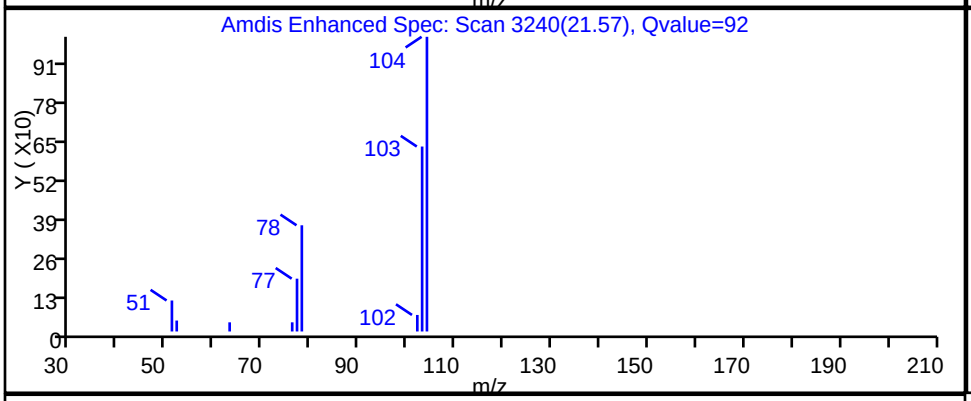
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

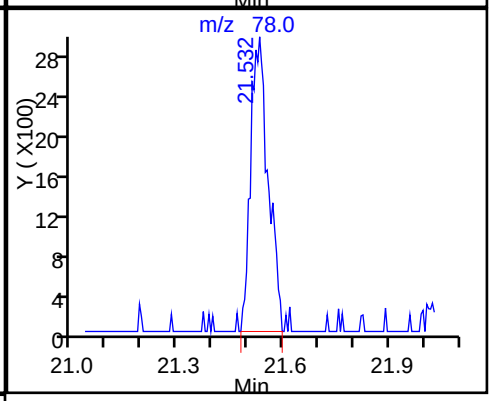
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

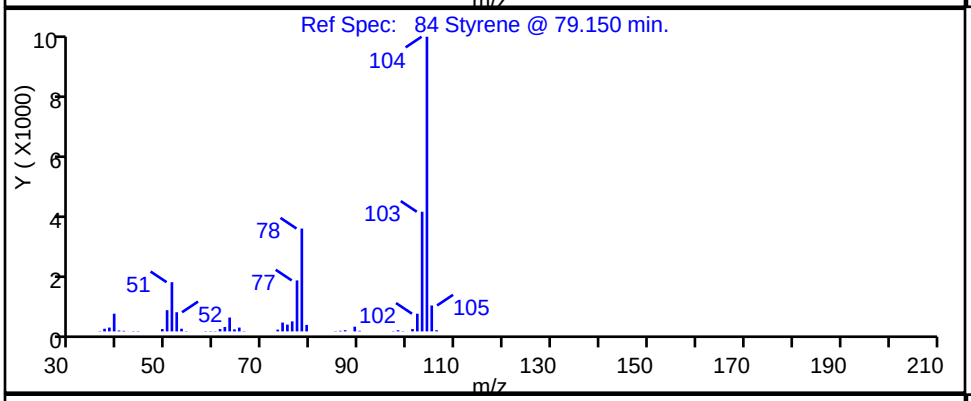
84 Styrene, CAS: 100-42-5

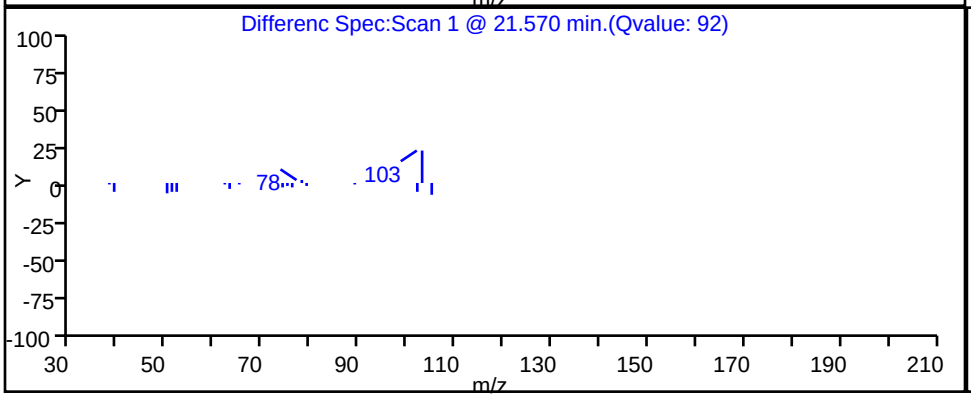


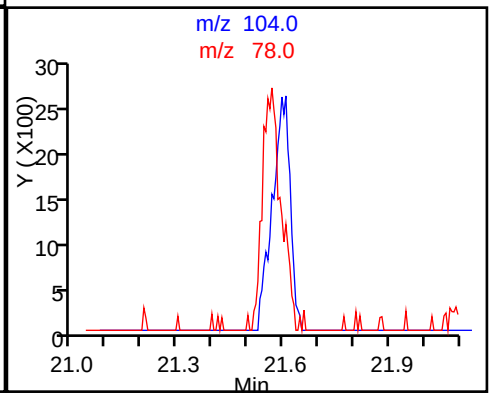












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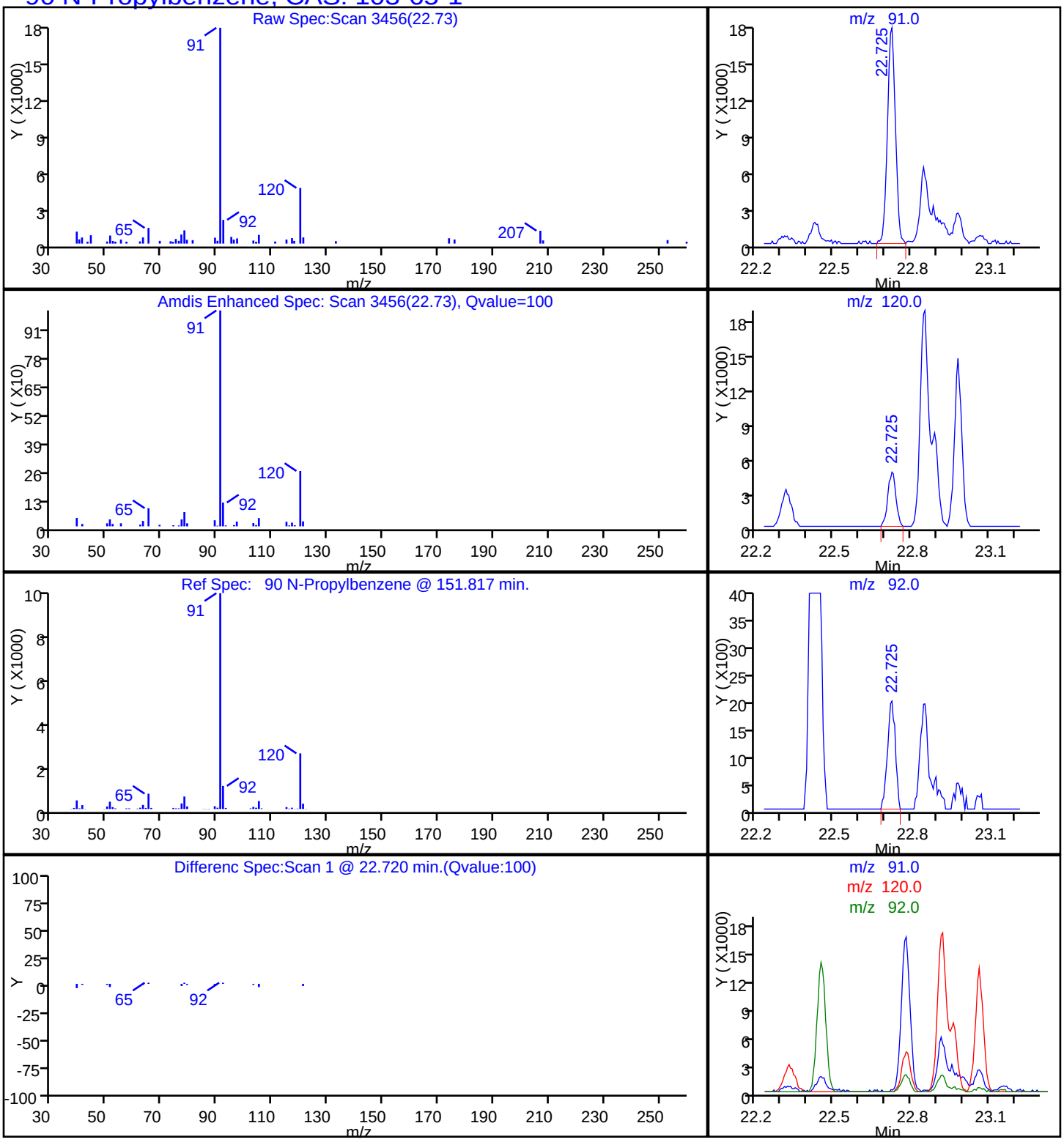
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

90 N-Propylbenzene, CAS: 103-65-1



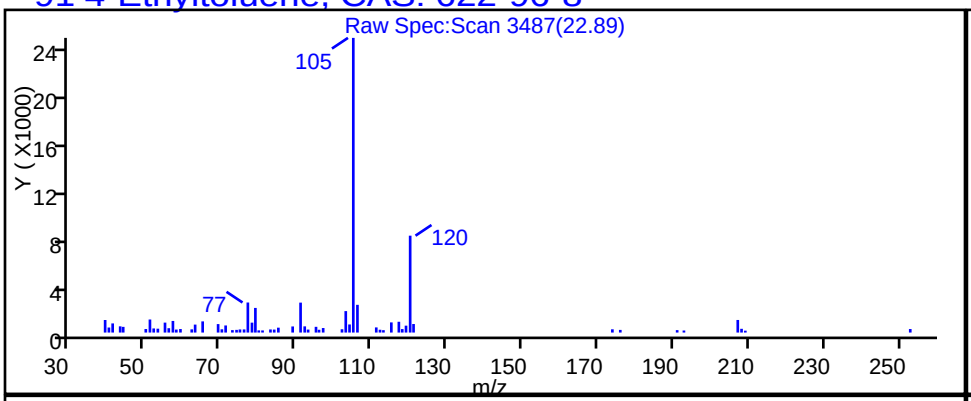
Report Date: 21-Jul-2014 09:59:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

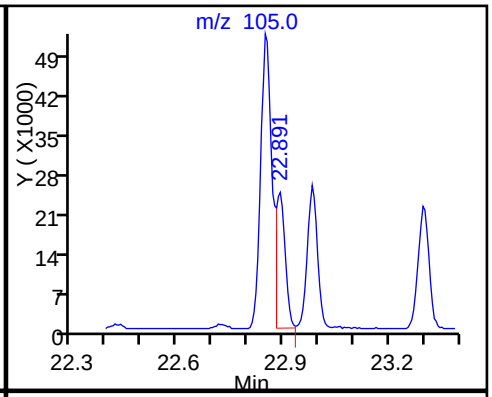
TestAmerica Burlington

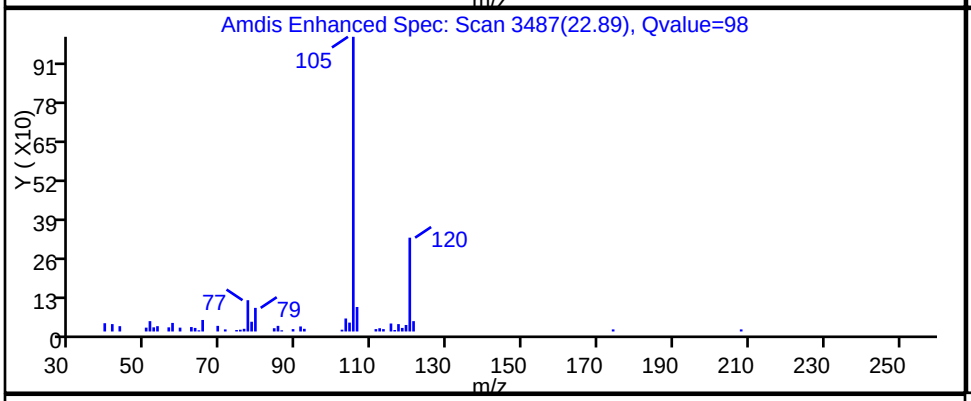
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

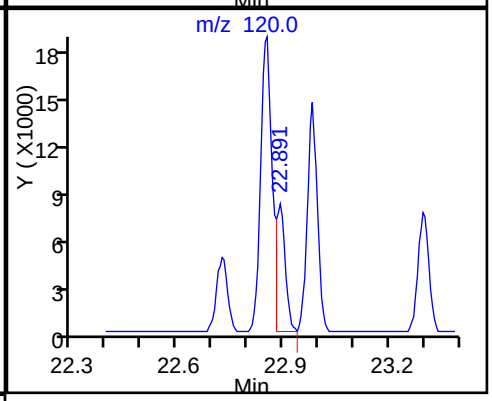
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

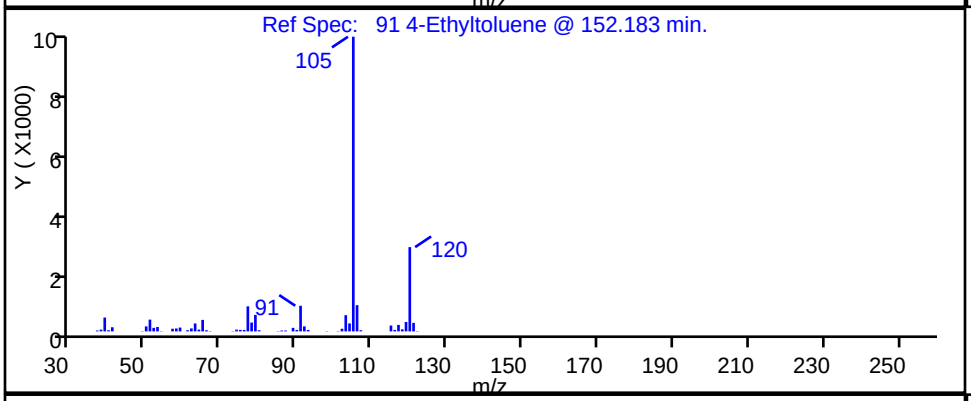
91 4-Ethyltoluene, CAS: 622-96-8

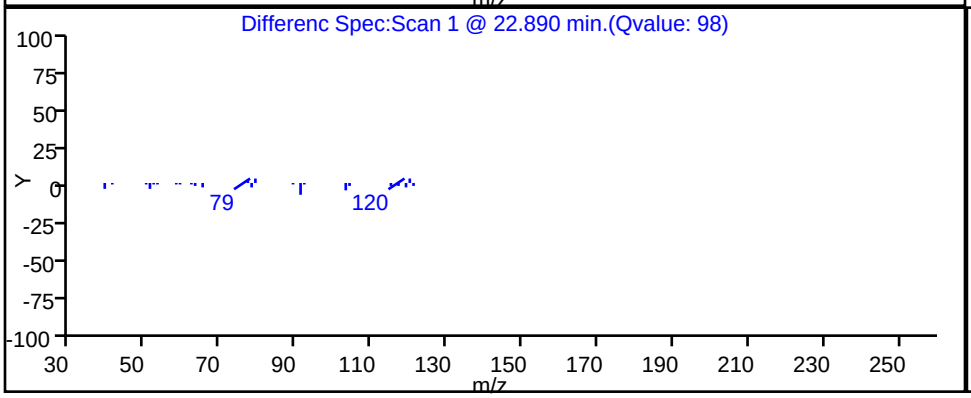


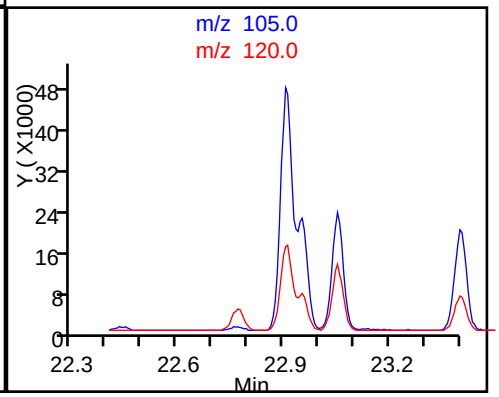












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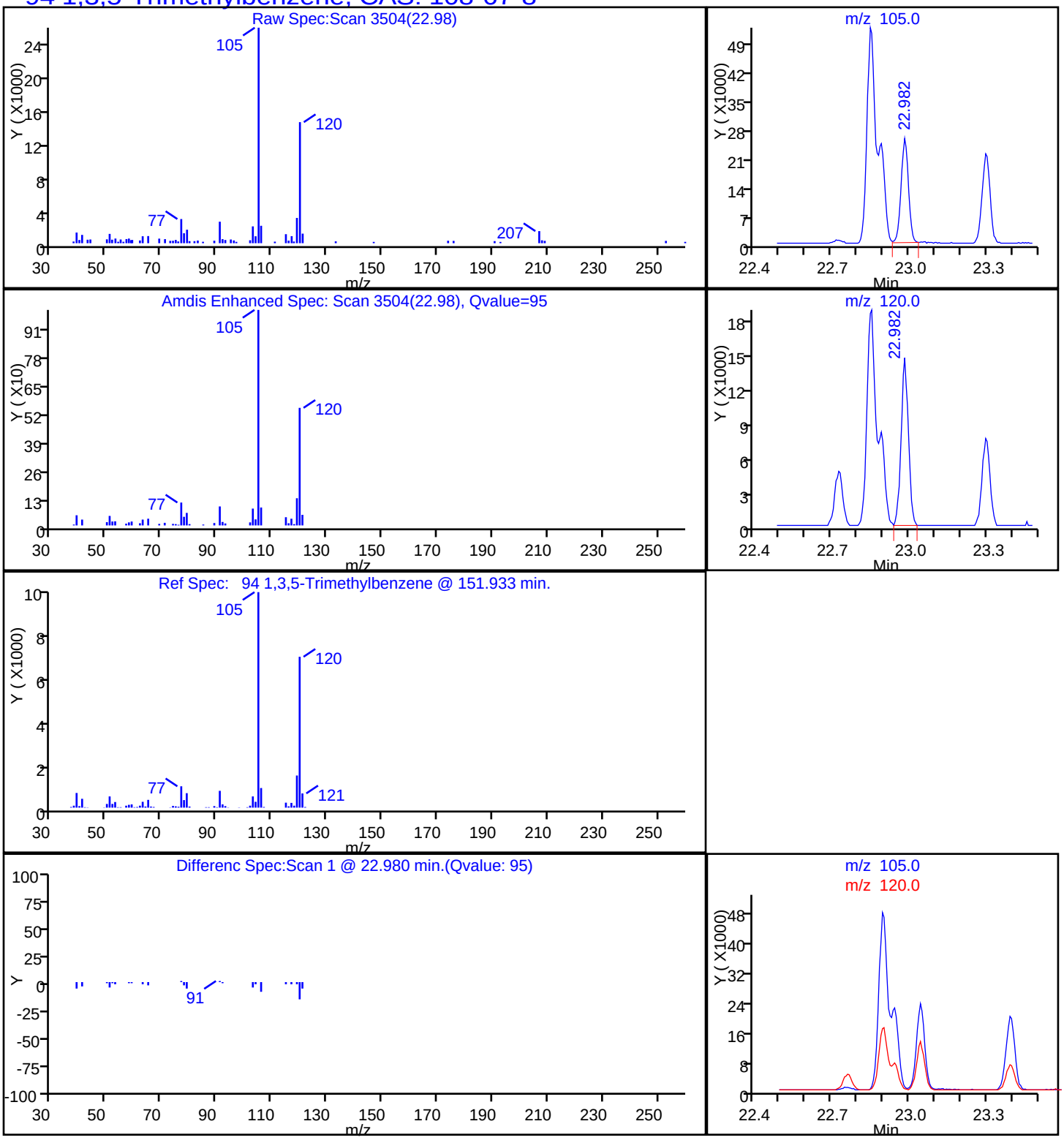
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 1,3,5-Trimethylbenzene, CAS: 108-67-8



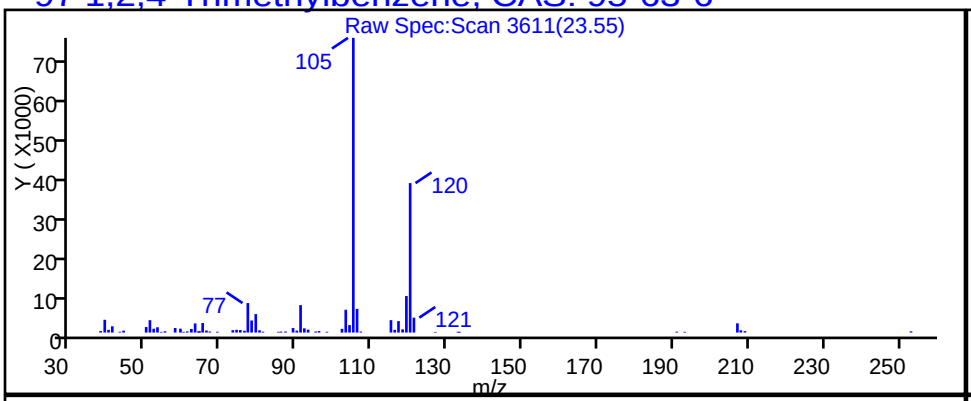
Report Date: 21-Jul-2014 09:59:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

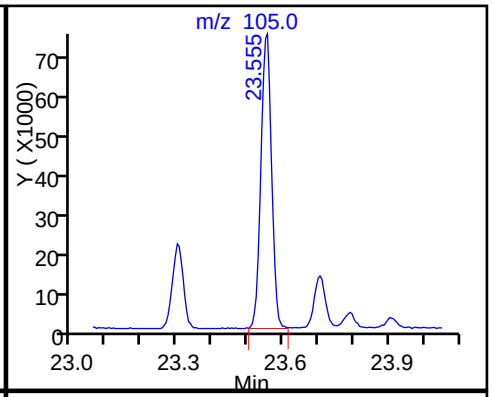
TestAmerica Burlington

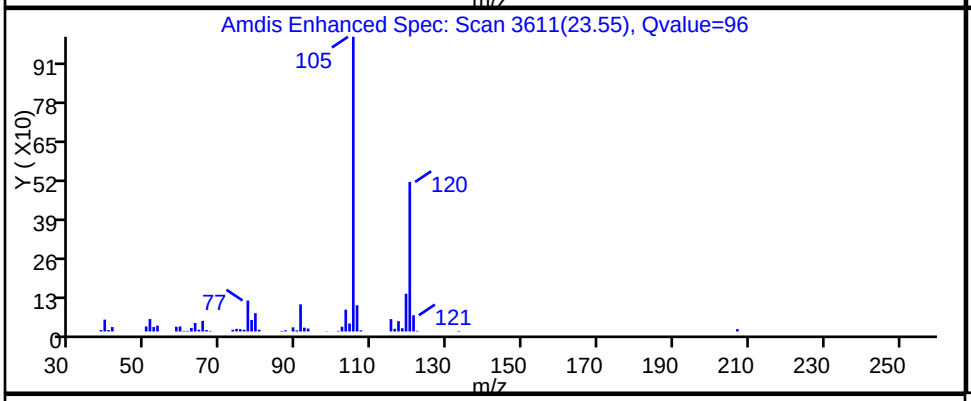
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

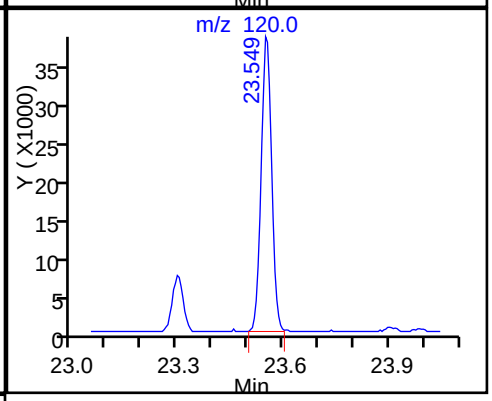
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

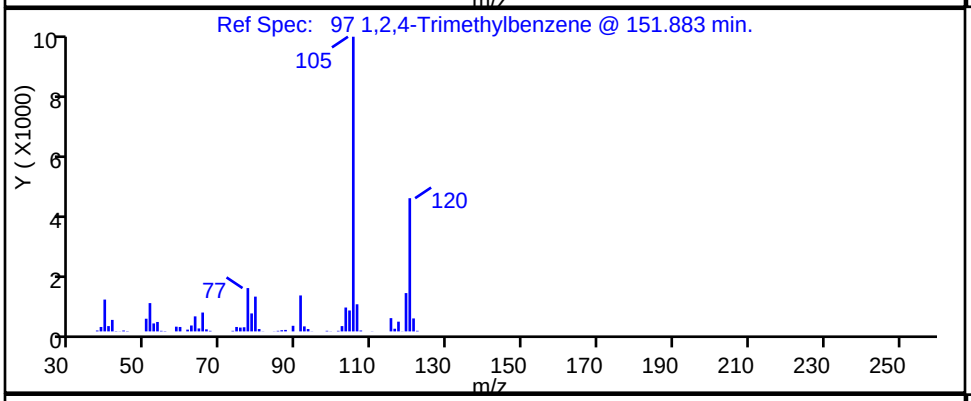
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

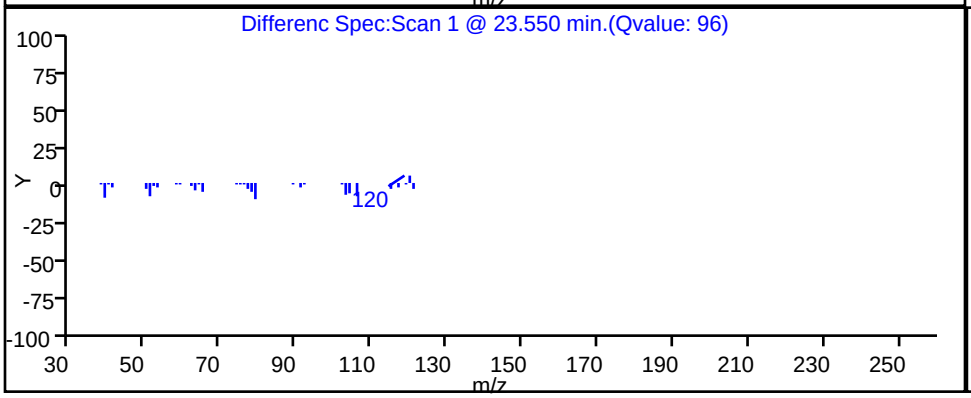


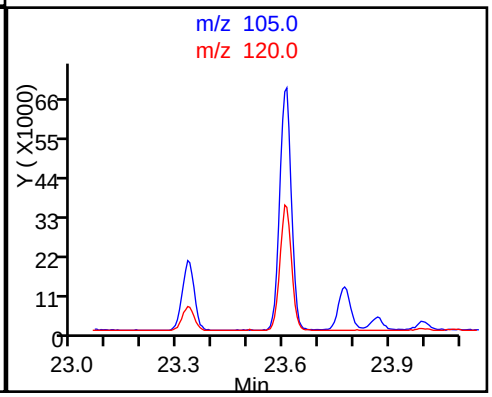












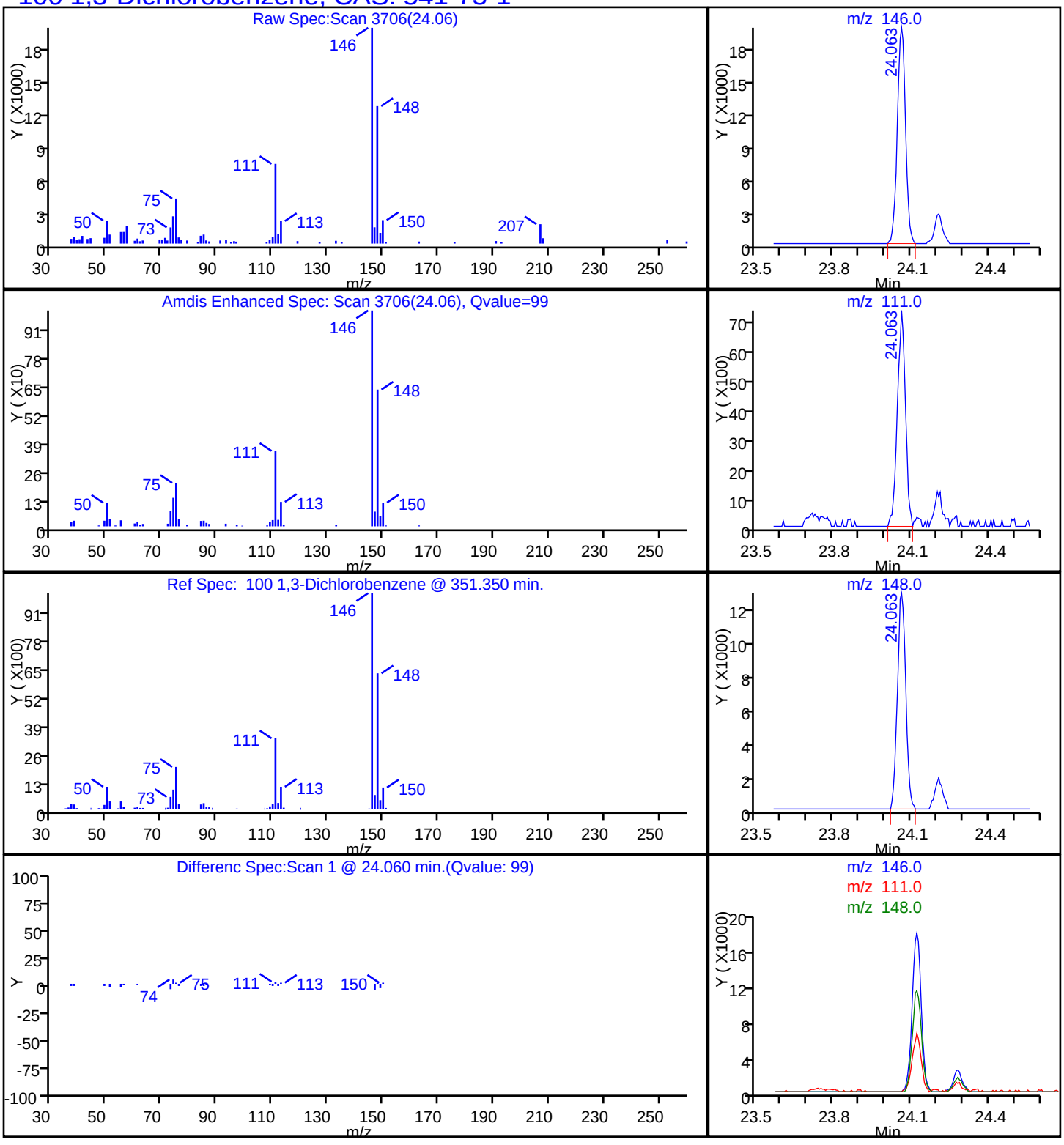
Report Date: 21-Jul-2014 09:59:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



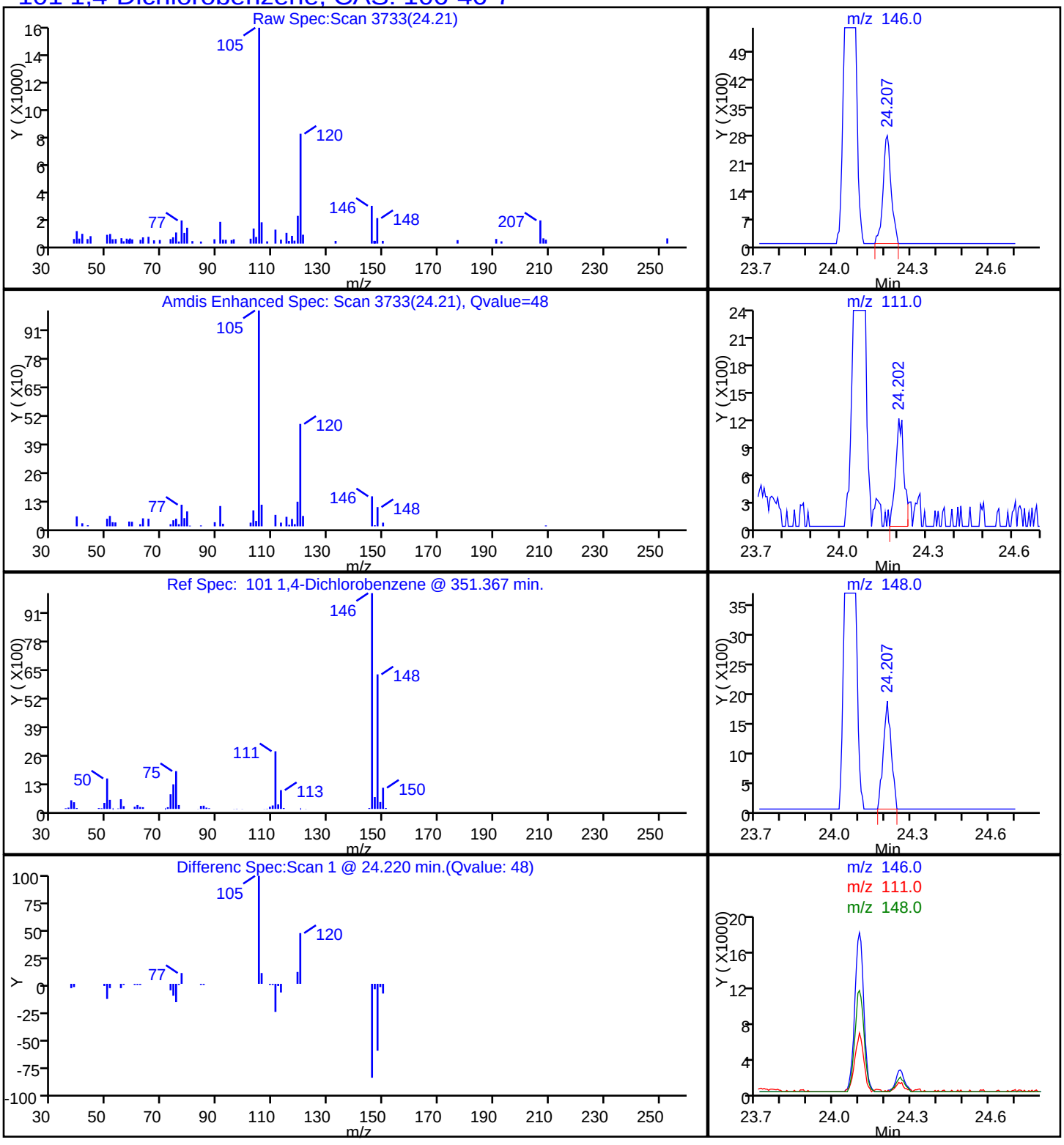
Report Date: 21-Jul-2014 09:59:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

101 1,4-Dichlorobenzene, CAS: 106-46-7



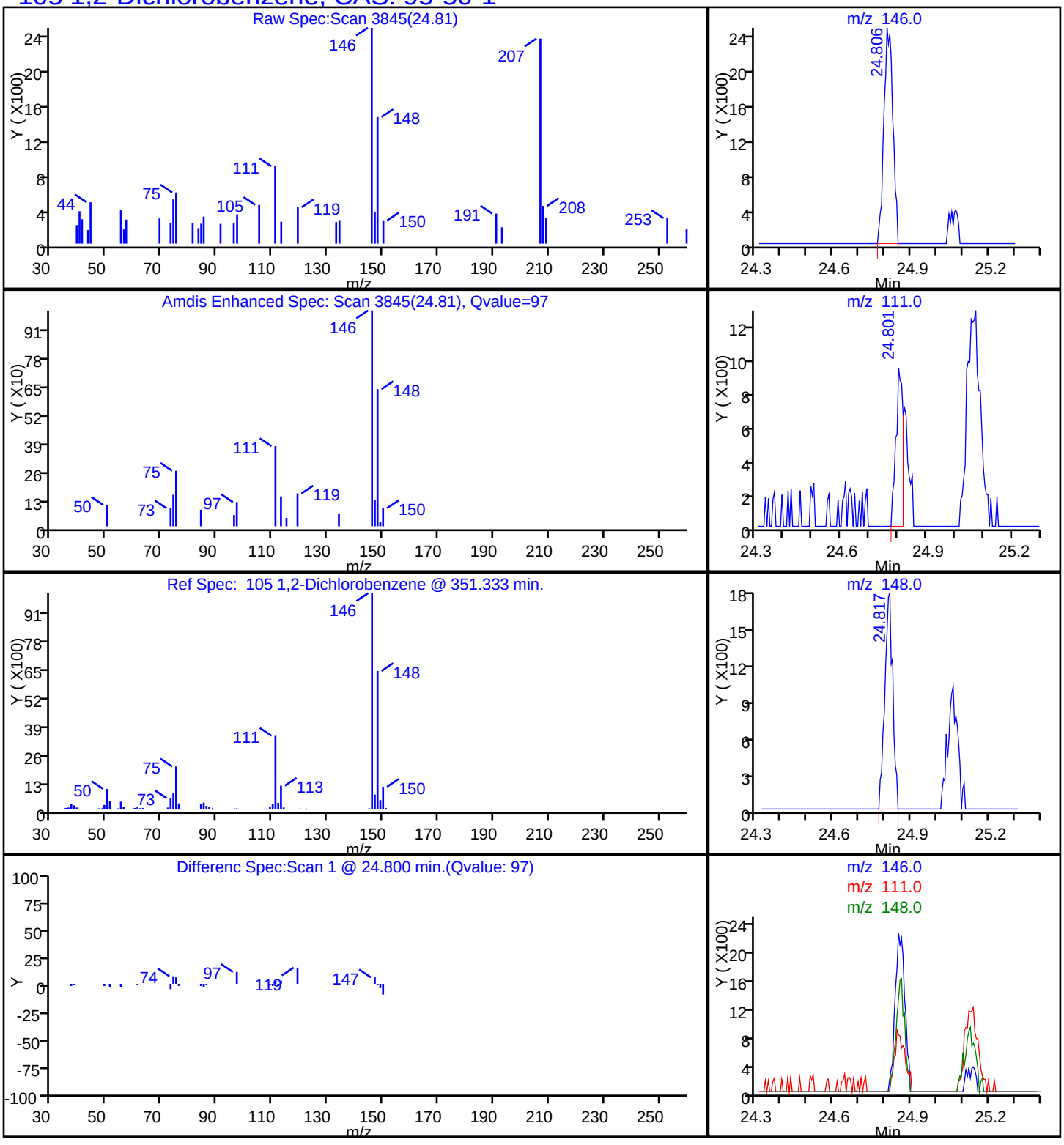
Report Date: 21-Jul-2014 09:59:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

105 1,2-Dichlorobenzene, CAS: 95-50-1



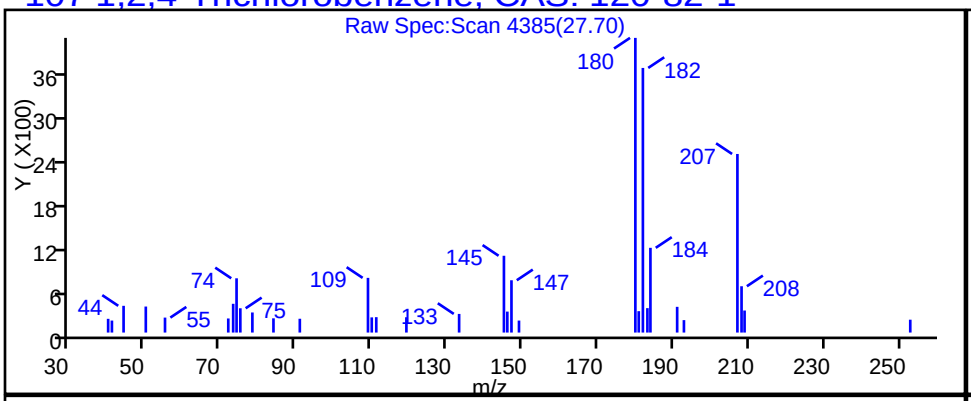
Report Date: 21-Jul-2014 09:59:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

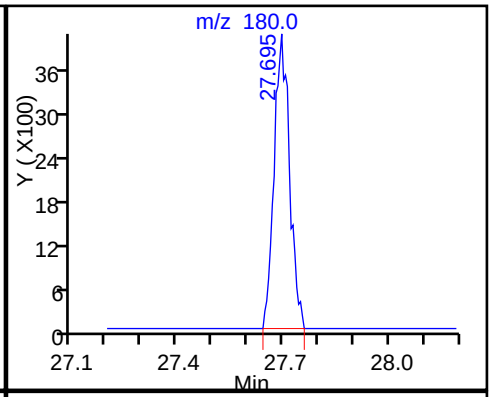
TestAmerica Burlington

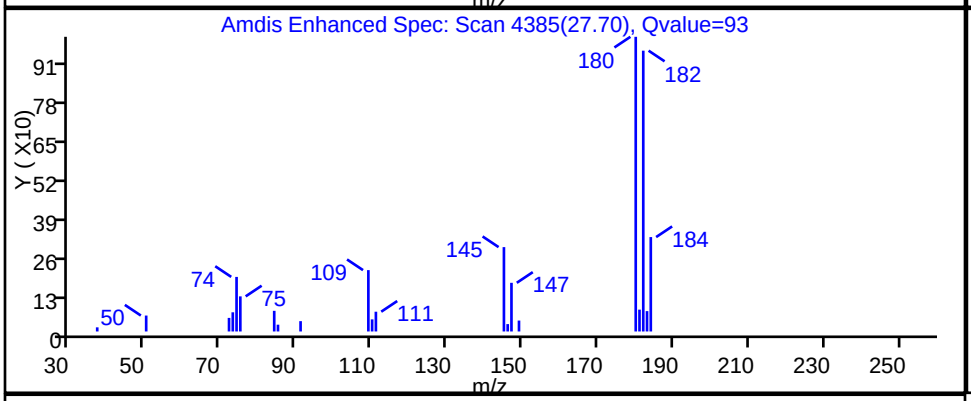
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d

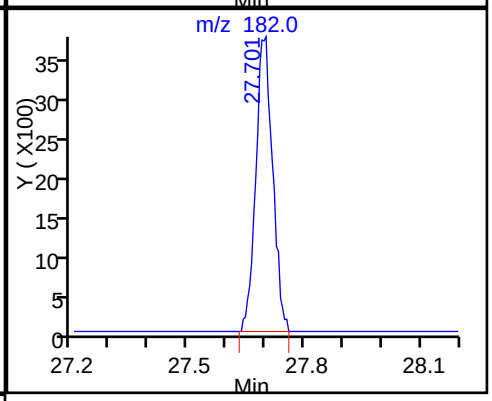
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

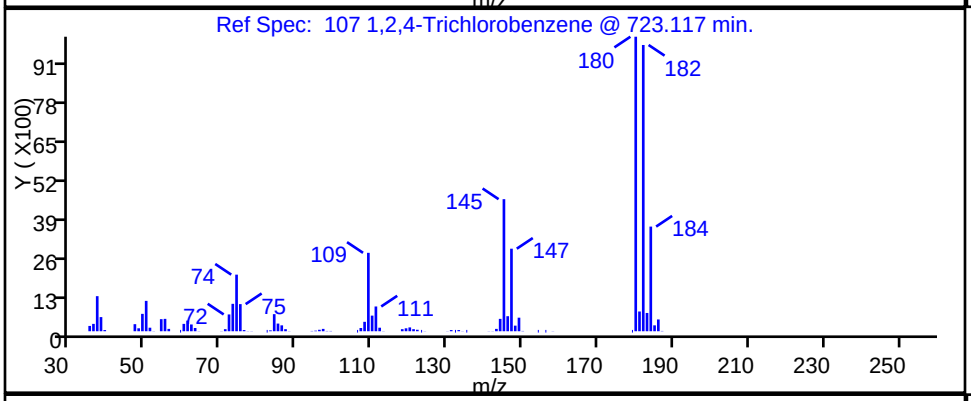
107 1,2,4-Trichlorobenzene, CAS: 120-82-1

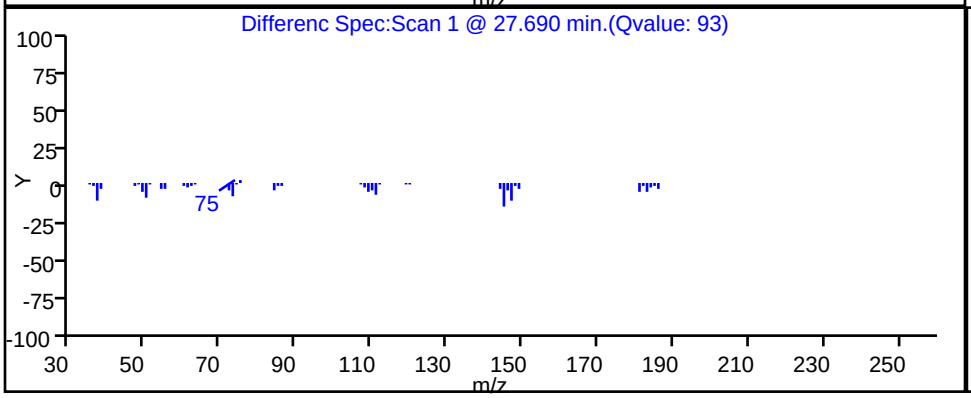


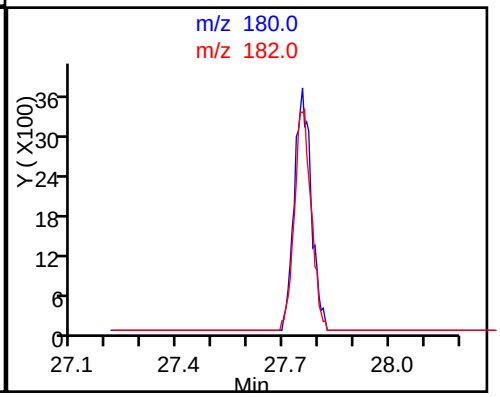












Manual Integration/User Assign Peak Report

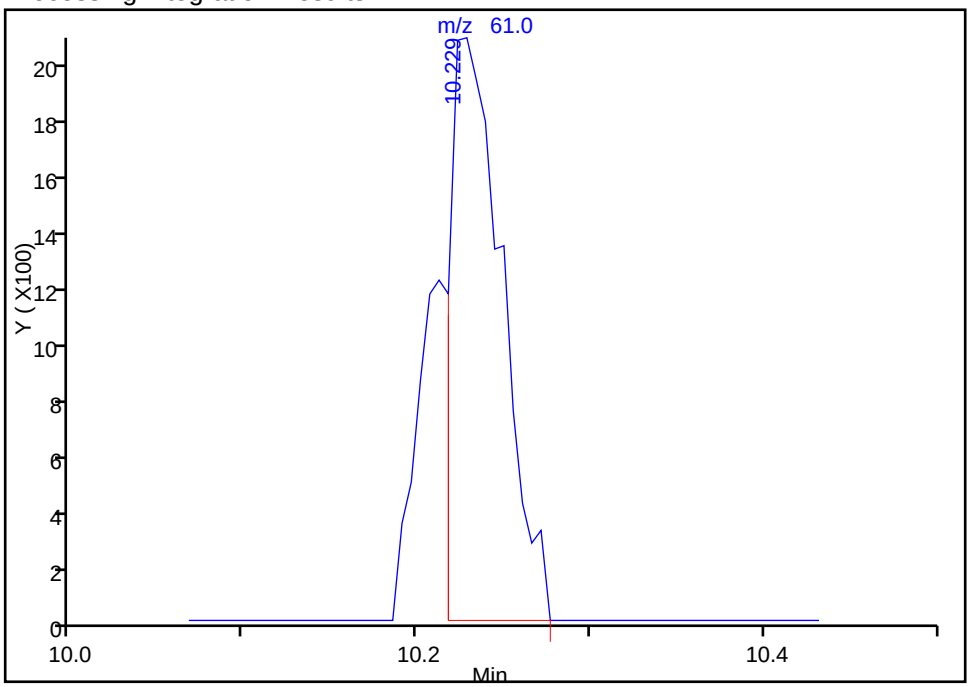
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d				
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5

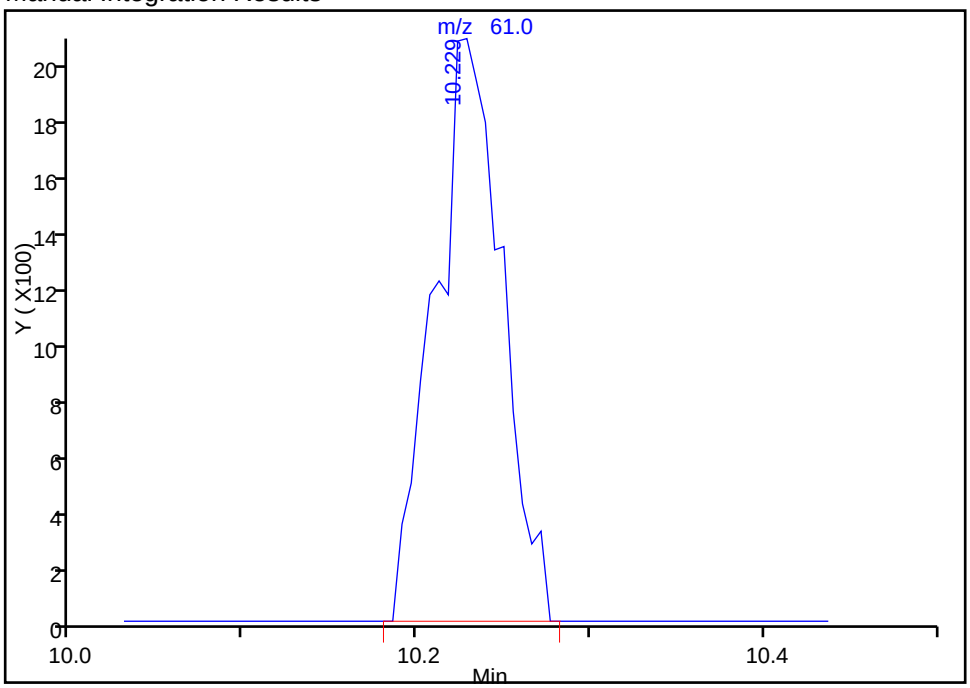
Processing Integration Results

RT: 10.23
Response: 4289
Amount: 0.060220



Manual Integration Results

RT: 10.23
Response: 5590
Amount: 0.078487



Reviewer: lyonsb, 21-Jul-2014 09:25:50
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

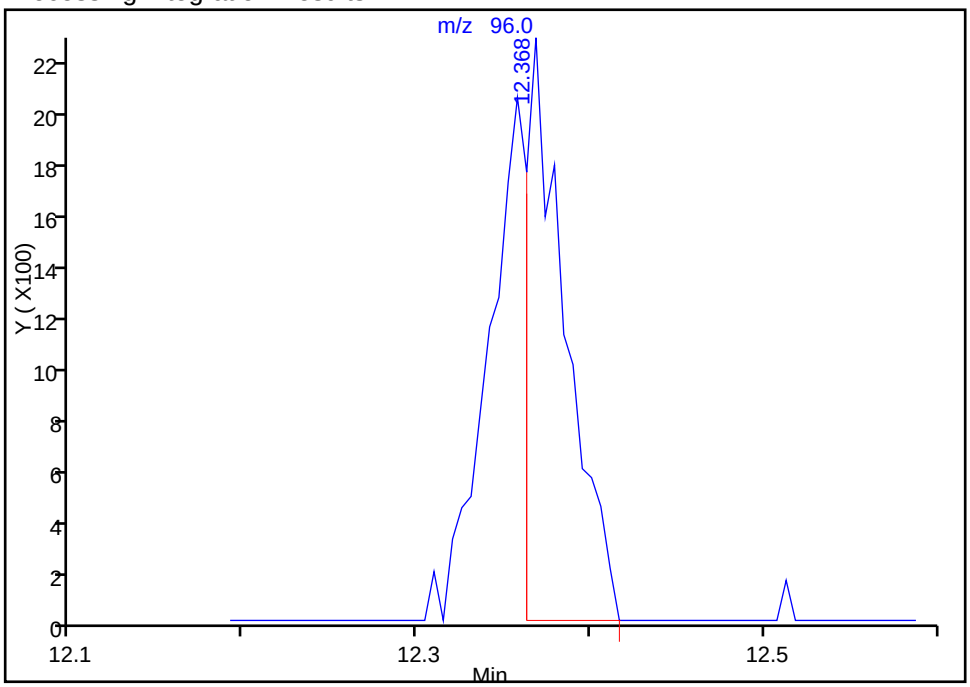
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d				
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2

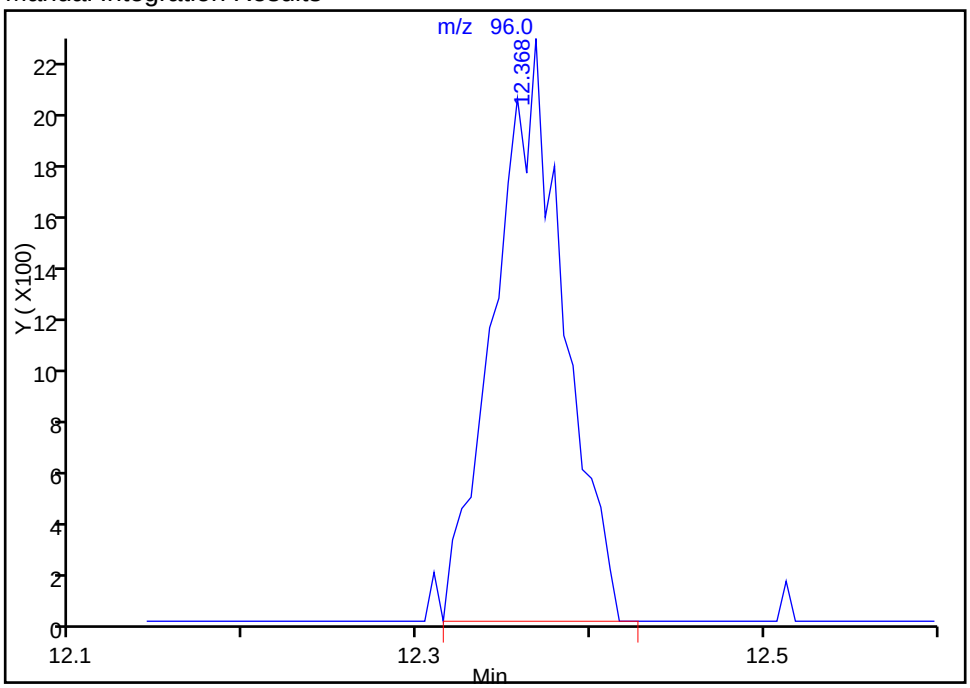
Processing Integration Results

RT: 12.37
Response: 3615
Amount: 0.054176



Manual Integration Results

RT: 12.37
Response: 6247
Amount: 0.093621



Reviewer: lyonsb, 21-Jul-2014 09:25:50
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

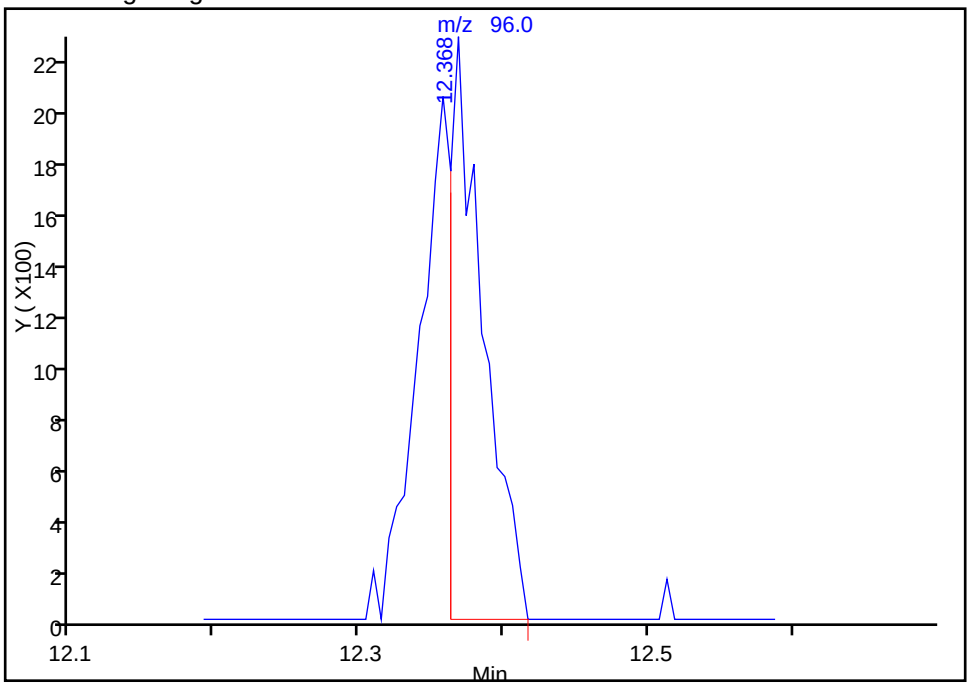
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_005.d				
Injection Date:	18-Jul-2014 15:18:30	Instrument ID:	CHW.i		
Lims ID:	200-23187-A-14	Lab Sample ID:	200-23187-14		
Client ID:	VMP-8C				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2

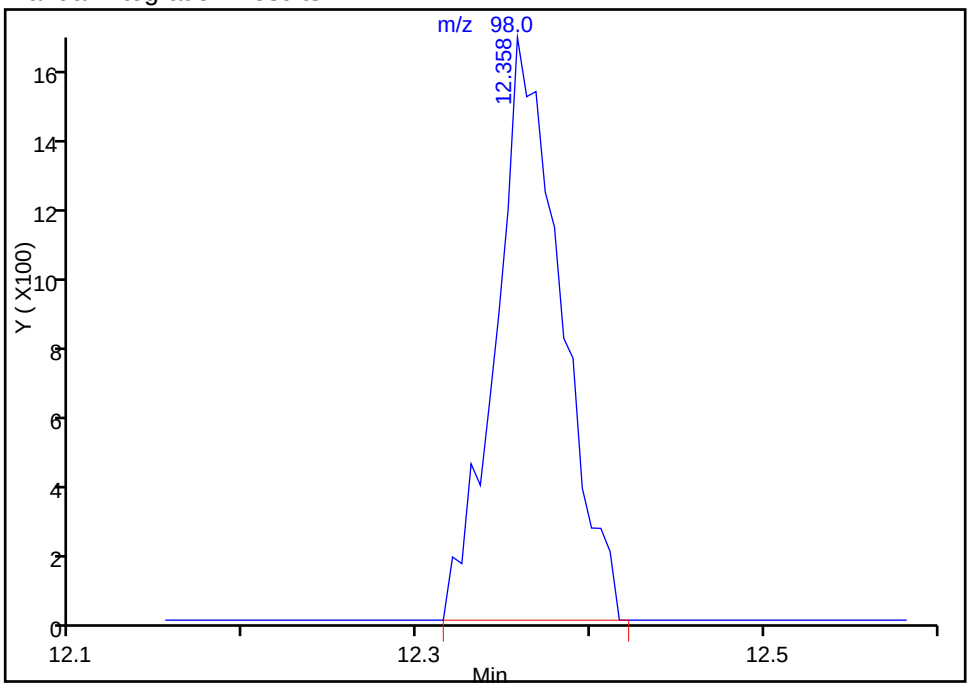
Processing Integration Results

RT: 12.37
Response: 0
Amount: 0.054176



Manual Integration Results

RT: 12.36
Response: 4186
Amount: 0.093621



Reviewer: lyonsb, 21-Jul-2014 09:25:50
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23187-1 Analy Batch No.: 73568

SDG No.: 200-23187

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-73568/16	8058_016.d
Level 2	IC 200-73568/17	8058_017.d
Level 3	IC 200-73568/5	8058_005.d
Level 4	IC 200-73568/6	8058_006.d
Level 5	ICIS 200-73568/7	8058_007.d
Level 6	IC 200-73568/8	8058_008.d
Level 7	IC 200-73568/9	8058_009.d
Level 8	IC 200-73568/10	8058_010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.7161	+++++ 0.6867	0.9338 0.6142	0.7011	0.7558	Ave		0.7346				15.0		30.0			
Freon 12	+++++ 3.0084	+++++ 2.9315	3.2075 2.6381	2.6485	3.1104	Ave		2.9241				8.1		30.0			
Freon 22	+++++ 1.4888	+++++ 1.4273	1.6583 1.2959	1.3543	1.5468	Ave		1.4619				9.0		30.0			
Freon-114	+++++ 2.9549	3.2787 2.8863	3.1170 2.5828	2.6071	3.0559	Ave		2.9261				8.8		30.0			
Chloromethane	+++++ 0.8721	+++++ 0.8422	1.0103 0.7794	0.7881	0.8990	Ave		0.8652				9.8		30.0			
n-Butane	+++++ 1.4588	+++++ 1.4116	1.5577 1.2440	1.3849	1.5452	Ave		1.4337				8.1		30.0			
Vinyl chloride	1.0758 1.1074	1.1519 1.0829	1.1019 0.9882	0.9474	1.1412	Ave		1.0746				6.7		30.0			
1,3-Butadiene	+++++ 0.7948	0.7971 0.7801	0.7719 0.6968	0.6785	0.8278	Ave		0.7639				7.2		30.0			
Bromomethane	+++++ 1.0692	1.2500 1.0579	1.1548 0.9581	0.9514	1.1165	Ave		1.0797				9.8		30.0			
Chloroethane	+++++ 0.6306	+++++ 0.6045	0.6484 0.5770	0.5418	0.6388	Ave		0.6068				6.8		30.0			
Isopentane	+++++ 1.1041	1.4839 1.0428	1.2054 0.9562	1.0130	1.1496	Ave		1.1364				15.0		30.0			
Vinyl bromide	+++++ 1.3616	1.4613 1.3631	1.3090 1.2762	1.1246	1.3622	Ave		1.3226				7.9		30.0			
Freon 11	+++++ 3.2730	3.6236 3.2320	3.3303 2.9582	2.8432	3.3247	Ave		3.2264				8.0		30.0			
n-Pentane	+++++ 1.6674	+++++ 1.5921	1.7843 1.4309	1.5794	1.7421	Ave		1.6327				7.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23187-1 Analy Batch No.: 73568

SDG No.: 200-23187

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.4072	+++++ 0.3815	0.4699 0.3230	0.4594	0.4536	Ave		0.4158				14.0		30.0			
Ethyl ether	+++++ 0.7535	0.7795 0.7341	0.7513 0.6800	0.6480	0.7697	Ave		0.7309				6.7		30.0			
Acrolein	+++++ 0.3223	+++++ 0.3370	+++++ 0.2854	0.2882	0.3216	Ave		0.3109				7.4		30.0			
Freon 113	+++++ 2.5254	2.8189 2.4974	2.4970 2.2858	2.1410	2.5455	Ave		2.4730				8.6		30.0			
1,1-Dichloroethene	+++++ 1.2418	1.3411 1.2394	1.2189 1.1621	1.0369	1.2485	Ave		1.2126				7.7		30.0			
Acetone	+++++ 1.5171	+++++ 1.4624	+++++ 1.1726	1.7194	1.7603	Ave		1.5263				15.0		30.0			
Carbon disulfide	+++++ 2.9759	+++++ 2.9215	3.9314 2.6770	2.5509	3.0745	Ave		3.0219				16.0		30.0			
Isopropyl alcohol	+++++ 1.3176	+++++ 1.2519	+++++ 1.0955	1.2309	1.5403	Ave		1.2873				13.0		30.0			
Allyl chloride	+++++ 1.2026	1.1951 1.1564	1.2704 1.0474	1.0641	1.2102	Ave		1.1637				7.0		30.0			
Acetonitrile	+++++ 0.6831	+++++ 0.6430	+++++ 0.5795	0.6142	0.7346	Ave		0.6509				9.3		30.0			
Methylene Chloride	+++++ 1.0400	+++++ 1.0125	1.2589 0.9132	0.9787	1.0796	Ave		1.0471				11.0		30.0			
tert-Butyl alcohol	+++++ 1.9259	+++++ 1.8883	+++++ 1.6895	1.6225	2.1701	Ave		1.8593				12.0		30.0			
Methyl tert-butyl ether	+++++ 3.3653	3.4592 3.3181	3.2506 3.0523	2.8282	3.4122	Ave		3.2408				6.9		30.0			
trans-1,2-Dichloroethene	+++++ 1.4923	1.5928 1.4539	1.4855 1.3318	1.3037	1.5267	Ave		1.4552				7.1		30.0			
Acrylonitrile	+++++ 0.7363	+++++ 0.7227	0.7289 0.6687	0.6303	0.7621	Ave		0.7082				6.9		30.0			
Hexane	+++++ 1.6698	2.6653 1.6254	1.6990 1.4699	1.4978	1.7144	Ave		1.7631				23.0		30.0			
1,1-Dichloroethane	1.9116 1.9762	2.0887 1.9325	1.9840 1.7506	1.7153	2.0326	Ave		1.9239				6.8		30.0			
Vinyl acetate	+++++ 2.4974	+++++ 2.3841	+++++ 2.1287	2.1905	2.5835	Ave		2.3568				8.3		30.0			
cis-1,2-Dichloroethene	+++++ 1.3976	1.5045 1.3873	1.3897 1.2706	1.1755	1.4184	Ave		1.3634				7.9		30.0			
Methyl Ethyl Ketone	+++++ 0.6294	+++++ 0.6147	0.8806 0.5379	0.5563	0.6463	Ave		0.6442				19.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23187-1 Analy Batch No.: 73568

SDG No.: 200-23187

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1134	+++++ 0.1144	+++++ 0.1060	0.0917	0.1157	Ave		0.1082				9.2		30.0			
Tetrahydrofuran	+++++ 0.2230	+++++ 0.2123	+++++ 0.1967	0.1948	0.2335	Ave		0.2121				7.9		30.0			
Chloroform	+++++ 2.4375	2.5945 2.3964	2.4764 2.1993	2.0797	2.4811	Ave		2.3807				7.5		30.0			
Cyclohexane	+++++ 0.3865	0.4115 0.3777	0.3707 0.3454	0.3162	0.3868	Ave		0.3707				8.4		30.0			
1,1,1-Trichloroethane	+++++ 0.5496	0.5731 0.5425	0.5285 0.5054	0.4495	0.5500	Ave		0.5284				7.7		30.0			
Carbon tetrachloride	0.5798 0.6169	0.6021 0.5988	0.5490 0.5890	0.4870	0.6103	Ave		0.5791				7.4		30.0			
2,2,4-Trimethylpentane	+++++ 1.1448	1.2383 1.0972	1.1545 0.9700	0.9876	1.1779	Ave		1.1101				8.9		30.0			
Benzene	+++++ 0.8024	0.9150 0.7822	0.7958 0.7148	0.6739	0.8083	Ave		0.7846				9.8		30.0			
1,2-Dichloroethane	+++++ 0.2989	0.3126 0.2893	0.2953 0.2724	0.2540	0.3050	Ave		0.2897				7.0		30.0			
Heptane	+++++ 0.3806	0.6051 0.3589	0.4043 0.3163	0.3458	0.3961	Ave		0.4010				24.0		30.0			
n-Butanol	+++++ 0.1346	+++++ 0.1247	+++++ 0.1206	0.1063	0.1421	Ave		0.1256				11.0		30.0			
Trichloroethene	0.4137 0.3749	0.3902 0.3689	0.3678 0.3458	0.3047	0.3740	Ave		0.3675				8.7		30.0			
1,2-Dichloropropane	+++++ 0.2795	0.2898 0.2717	0.2733 0.2548	0.2340	0.2820	Ave		0.2693				7.0		30.0			
Methyl methacrylate	+++++ 0.2865	+++++ 0.2794	0.2470 0.2649	0.2295	0.2857	Ave		0.2655				8.7		30.0			
1,4-Dioxane	+++++ 0.1403	+++++ 0.1346	+++++ 0.1219	0.1181	0.1624	Ave		0.1355				13.0		30.0			
Dibromomethane	+++++ 0.4609	0.4704 0.4678	0.3995 0.4530	0.3503	0.4487	Ave		0.4358				10.0		30.0			
Bromodichloromethane	+++++ 0.5609	0.5254 0.5498	0.4956 0.5147	0.4537	0.5622	Ave		0.5232				7.5		30.0			
cis-1,3-Dichloropropene	+++++ 0.4393	0.3888 0.4333	0.3710 0.4102	0.3446	0.4368	Ave		0.4034				9.1		30.0			
methyl isobutyl ketone	+++++ 0.4854	+++++ 0.4591	0.4731 0.4112	0.4243	0.5134	Ave		0.4611				8.3		30.0			
n-Octane	+++++ 0.4954	0.7386 0.4500	0.5615 0.3536	0.4773	0.5338	Ave		0.5158				23.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23187-1 Analy Batch No.: 73568

SDG No.: 200-23187

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6872	0.8821 0.6641	0.8969 0.5693	0.5791	0.6959	Ave		0.7106				19.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.4427	0.3670 0.4386	0.3570 0.4150	0.3458	0.4416	Ave		0.4011				11.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3181	0.3313 0.3129	0.3092 0.2942	0.2603	0.3186	Ave		0.3064				7.6		30.0			
Tetrachloroethene	0.7757 0.7688	0.8034 0.7741	0.6946 0.7254	0.5951	0.7510	Ave		0.7360				9.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.5048	+++++ 0.4811	0.5012 0.4317	0.4407	0.5326	Ave		0.4820				8.1		30.0			
Dibromochloromethane	+++++ 0.7857	0.6642 0.7898	0.6074 0.7415	0.5913	0.7673	Ave		0.7067				12.0		30.0			
1,2-Dibromoethane	+++++ 0.6404	0.6092 0.6348	0.5702 0.5930	0.5085	0.6352	Ave		0.5988				7.9		30.0			
Chlorobenzene	+++++ 1.0186	1.0903 1.0063	0.9993 0.9121	0.8314	1.0171	Ave		0.9822				8.6		30.0			
Ethylbenzene	+++++ 1.4750	1.5757 1.4210	1.4583 1.2258	1.2404	1.4950	Ave		1.4130				9.3		30.0			
n-Nonane	+++++ 0.5984	0.8019 0.5666	0.6037 0.4747	0.5397	0.6204	Ave		0.6008				17.0		30.0			
m,p-Xylene	+++++ 0.6418	0.6699 0.6103	0.6108 0.4934	0.5457	0.6556	Ave		0.6039				11.0		30.0			
Xylene, o-	+++++ 0.6567	0.6498 0.6427	0.6040 0.5656	0.5381	0.6604	Ave		0.6168				7.9		30.0			
Styrene	+++++ 1.0061	0.8035 0.9399	0.8466 0.8483	0.8035	1.0157	Ave		0.8948				10.0		30.0			
Bromoform	+++++ 0.8922	0.6343 0.8931	0.5942 0.8150	0.6259	0.8554	Ave		0.7586				18.0		30.0			
Cumene	+++++ 1.7851	1.8964 1.6964	1.6995 1.3806	1.5161	1.8202	Ave		1.6849				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8198	0.7999 0.7900	0.7951 0.6886	0.6969	0.8378	Ave		0.7754				7.6		30.0			
n-Propylbenzene	+++++ 1.9868	2.1239 1.8504	1.9791 1.4220	1.7411	2.0659	Ave		1.8813				13.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6303	+++++ 0.6044	0.6457 0.5138	0.5428	0.6512	Ave		0.5980				9.6		30.0			
n-Decane	+++++ 0.7802	+++++ 0.7205	0.7911 0.5728	0.7134	0.8210	Ave		0.7332				12.0		30.0			
4-Ethyltoluene	+++++ 1.7906	1.8429 1.6884	1.7138 1.3265	1.5325	1.8452	Ave		1.6771				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23187-1 Analy Batch No.: 73568

SDG No.: 200-23187

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.4364	1.4882 1.3785	1.4333 1.1607	1.2263	1.4765	Ave		1.3714				9.3		30.0			
1,3,5-Trimethylbenzene	+++++ 1.5305	1.5387 1.4525	1.4627 1.1959	1.2838	1.5604	Ave		1.4321				9.7		30.0			
Alpha Methyl Styrene	+++++ 0.8677	0.5930 0.6429	0.6652 0.7617	0.6737	0.8671	Ave		0.7245				15.0		30.0			
tert-Butylbenzene	+++++ 1.5620	1.6396 1.4995	1.4698 1.2458	1.3126	1.5867	Ave		1.4737				9.9		30.0			
1,2,4-Trimethylbenzene	+++++ 1.5391	1.5285 1.4714	1.4588 1.2181	1.2908	1.5712	Ave		1.4397				9.3		30.0			
sec-Butylbenzene	+++++ 2.1742	2.3225 2.0315	2.1357 1.5870	1.8820	2.2499	Ave		2.0547				12.0		30.0			
4-Isopropyltoluene	+++++ 1.9681	1.9802 1.8458	1.8355 1.4650	1.6629	2.0167	Ave		1.8249				11.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2257	1.0505 1.2077	1.0616 1.0492	0.9762	1.2346	Ave		1.1151				9.4		30.0			
1,4-Dichlorobenzene	+++++ 1.2124	0.9927 1.1987	0.9952 1.0516	0.9526	1.2254	Ave		1.0898				11.0		30.0			
Benzyl chloride	+++++ 1.1314	0.6066 1.1373	0.6306 1.0352	0.8219	1.0148	Ave		0.9111				25.0		30.0			
n-Undecane	+++++ 0.8161	+++++ 0.7086	+++++ 0.5342	0.7799	0.8993	Ave		0.7476				18.0		30.0			
n-Butylbenzene	+++++ 1.5698	1.5763 1.4472	1.5592 1.1047	1.3863	1.6533	Ave		1.4710				13.0		30.0			
1,2-Dichlorobenzene	+++++ 1.1715	1.0757 1.1570	1.0666 1.0309	0.9387	1.1723	Ave		1.0875				8.0		30.0			
n-Dodecane	+++++ 0.7676	+++++ 0.6403	+++++ 0.3633	0.7102	0.8832	Ave		0.6729				29.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.9576	+++++ 0.9572	0.7604 0.9265	0.6970	0.9887	Ave		0.8812				14.0		30.0			
Hexachloro-1,3-butadiene	+++++ 1.0137	0.9228 0.9710	0.8277 0.9472	0.7628	0.9964	Ave		0.9202				10.0		30.0			
Naphthalene	+++++ 1.7878	+++++ 1.7209	1.5991 1.6266	1.3908	2.0348	Ave		1.6933				13.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.8778	0.6172 0.8663	0.8222 0.8208	0.6840	0.9379	Ave		0.8037				14.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23187-1 Analy Batch No.: 73568

SDG No.: 200-23187

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-73568/16	8058_016.d
Level 2	IC 200-73568/17	8058_017.d
Level 3	IC 200-73568/5	8058_005.d
Level 4	IC 200-73568/6	8058_006.d
Level 5	ICIS 200-73568/7	8058_007.d
Level 6	IC 200-73568/8	8058_008.d
Level 7	IC 200-73568/9	8058_009.d
Level 8	IC 200-73568/10	8058_010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 692857	+++++ 951503	28691 1771444	197892	469817	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 12	BCM	Ave	+++++ 2910832	+++++ 4061763	98548 7608629	747607	1933403	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1440544	+++++ 1977624	50950 3737410	382300	961488	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon-114	BCM	Ave	+++++ 2859089	39355 3999205	95767 7449174	735932	1899518	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 843772	+++++ 1166980	31042 2247763	222466	558815	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 1411470	+++++ 1955904	47858 3587962	390938	960486	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2909 1071516	13826 1500404	33855 2850110	267428	709375	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 769038	9568 1080934	23717 2009737	191528	514526	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 1034511	15004 1465810	35479 2763377	268550	694003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 610178	+++++ 837573	19920 1664221	152928	397081	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 1068305	17811 1444837	37034 2757769	285950	714580	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl bromide	BCM	Ave	+++++ 1317386	17540 1888632	40219 3680703	317453	846732	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Freon 11	BCM	Ave	+++++ 3166856	43494 4478206	102321 8531996	802571	2066602	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 1613354	+++++ 2205967	54820 4126826	445837	1082869	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 526428	+++++ 1057254	144553 2329022	259516	423144	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23187-1 Analy Batch No.: 73568

SDG No.: 200-23187

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 729054	9356 1017137	23082 1961106	182930	478447	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 311843	+++++ 466890	+++++ 823251	81340	199914	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon 113	BCM	Ave	+++++ 2443487	33835 3460270	76718 6592500	604357	1582240	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 1201494	16097 1717262	37448 3351521	292687	776062	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 1467844	+++++ 2026274	+++++ 3381803	485345	1094199	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2879345	+++++ 4047890	120790 7720723	720064	1911050	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 1274876	+++++ 1734629	+++++ 3159644	347447	957457	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Allyl chloride	BCM	Ave	+++++ 1163542	14345 1602291	39032 3020811	300368	752218	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 660902	+++++ 890921	+++++ 1671451	173374	456622	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 1006237	+++++ 1402836	38678 2633913	276254	671046	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1863403	+++++ 2616375	+++++ 4872730	458005	1348885	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 3256093	41521 4597376	99873 8803355	798346	2120966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1443844	19118 2014404	45642 3841124	368004	948948	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 712427	+++++ 1001401	22395 1928594	177908	473690	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexane	BCM	Ave	+++++ 1615681	31992 2252142	52199 4239416	422795	1065615	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	5169 1912064	25071 2677573	60956 5048951	484195	1263420	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 2416387	+++++ 3303385	+++++ 6139398	618341	1605843	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1352225	18059 1922125	42698 3664569	331827	881650	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 608947	+++++ 851760	27057 1551517	157025	401738	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 109767	+++++ 158528	+++++ 305628	25885	71925	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 1039410	+++++ 1422715	+++++ 2674556	272419	705701	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23187-1 Analy Batch No.: 73568

SDG No.: 200-23187

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2358421	31142 3320360	76086 6343073	587069	1542191	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1800908	24186 2530869	56284 4697055	442047	1168879	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2561294	33683 3634554	80247 6873978	628498	1662042	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	7713 2874816	35388 4012020	83365 8010150	680928	1844146	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 5334952	72781 7351362	175299 13192719	1380918	3559291	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 3739090	53777 5240982	120833 9720994	942298	2442468	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1393139	18375 1938565	44842 3704274	355115	921601	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Heptane	DFB	Ave	+++++ 1773580	35562 2404421	61388 4302203	483453	1196799	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 627214	+++++ 835337	+++++ 1639585	148627	429267	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	5503 1747105	22936 2472001	55843 4703106	426021	1130167	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1302619	17033 1820493	41500 3465686	327230	852063	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1335036	+++++ 1872071	37507 3602894	320907	863230	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 653911	+++++ 901913	+++++ 1657574	165196	490757	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 2147639	27649 3134433	60656 6160960	489857	1355809	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 2613934	30880 3684023	75255 6999443	634319	1699009	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2047179	22851 2903522	56329 5578997	481858	1319964	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2261803	+++++ 3076004	71834 5592620	593274	1551269	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 2308838	43409 3015372	85250 4809017	667434	1613015	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 2936589	46690 4054395	122842 7043017	740073	1935272	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2063052	21571 2938865	54203 5644203	483487	1334289	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1359121	17536 1909935	42354 3639849	332673	886121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23187-1 Analy Batch No.: 73568

SDG No.: 200-23187

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	9162 3285183	42526 4725517	95133 8974952	760503	2088563	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2157179	+++++ 2937185	68643 5340909	563187	1481133	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 3357225	35159 4821729	83194 9173337	755633	2133863	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2736481	32249 3875155	78099 7336033	649919	1766627	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 4352768	57712 6143539	136867 11284649	1062572	2828706	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 6302731	83407 8674873	199740 15165124	1585196	4157719	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 2556824	42449 3458850	82690 5873494	689710	1725249	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 5485150	70917 7451684	167318 12208966	1394934	3646323	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 2806217	34397 3923558	82736 6997225	687636	1836715	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 4299320	42532 5737755	115962 10494982	1026893	2824642	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 3812482	33576 5452167	81382 10083003	799953	2378879	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 7628058	100381 10356587	232776 17080367	1937563	5061976	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3503138	42339 4823035	108909 8518880	890654	2329893	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 8489813	112425 11296326	271077 17592520	2225165	5745350	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2693181	+++++ 3689873	88437 6356239	693732	1811073	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 3334014	+++++ 4398332	108353 7086822	911682	2283318	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 7651300	97551 10307652	234733 16411245	1958494	5131642	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6137873	78772 8415712	196319 14360093	1567267	4106250	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 6540016	81446 8867452	200347 14795627	1640731	4339590	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 3707868	31387 3925078	91112 9423340	860947	2411568	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6674529	86788 9154073	201317 15413556	1677467	4412729	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23187-1 Analy Batch No.: 73568

SDG No.: 200-23187

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6576813	80906 8982477	199810 15069740	1649626	4369672	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 9290663	122936 12402136	292530 19634253	2405166	6257024	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 8409771	104819 11268593	251401 18124664	2125241	5608679	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 5237605	55608 7372882	145401 12980976	1247575	3433407	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 5180659	52544 7317633	136314 13010045	1217482	3407885	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 4834437	32111 6942988	86377 12807793	1050437	2822199	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 3487267	+++++ 4325990	+++++ 6609261	996662	2500936	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6707811	83439 8834923	213563 13667013	1771724	4597886	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 5006056	56937 7063418	146086 12754739	1199685	3260124	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 3279874	+++++ 3909122	+++++ 4494545	907645	2456241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 4092050	+++++ 5843441	104158 11463036	890796	2749600	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachloro-1,3-butadiene	CBZ	Ave	+++++ 4331819	48847 5927691	113372 11719000	974898	2771121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 7639569	+++++ 10505873	219022 20124744	1777404	5658932	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 3751034	32670 5288687	112610 10155190	874223	2608308	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_005.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2014 09:46:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-005
Misc. Info.: IC-03
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 17-Jun-2014 09:22:19 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: daiglep Date: 16-Jun-2014 09:56:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.408	4.419	-0.011	96	28691	0.5005	0.6362	
2 Dichlorodifluoromethane	85	4.499	4.515	-0.016	88	98548	0.5005	0.5490	
6 Chlorodifluoromethane	51	4.563	4.579	-0.016	74	50950	0.5005	0.5677	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.852	4.863	-0.011	91	95767	0.5005	0.5331	
8 Chloromethane	50	5.045	5.061	-0.016	88	31042	0.5005	0.5844	
9 Butane	43	5.307	5.323	-0.016	97	47858	0.5005	0.5437	
10 Vinyl chloride	62	5.366	5.376	-0.010	93	33855	0.5005	0.5132	
11 Butadiene	54	5.462	5.478	-0.016	92	23717	0.5005	0.5057	
12 Bromomethane	94	6.323	6.339	-0.016	94	35479	0.5005	0.5352	
13 BFB									
14 Chloroethane	64	6.612	6.623	-0.011	94	19920	0.5005	0.5347	
15 2-Methylbutane	43	6.698	6.708	-0.010	88	37034	0.5005	0.5308	
16 Vinyl bromide	106	7.083	7.099	-0.016	96	40219	0.5005	0.4953	
17 Trichlorofluoromethane	101	7.201	7.217	-0.017	85	102321	0.5005	0.5166	
18 Pentane	43	7.361	7.377	-0.016	97	54820	0.5005	0.5469	
19 Ethanol	45	7.810	7.832	-0.022	99	144553	5.01	5.66	
21 Ethyl ether	59	7.949	7.960	-0.011	92	23082	0.5005	0.5144	
22 Acrolein	56	8.415	8.426	-0.011	83	16702	0.5005	0.8751	
23 1,1,2-Trichloro-1,2,2-trif	101	8.447	8.458	-0.011	93	76718	0.5005	0.5053	
24 1,1-Dichloroethene	96	8.522	8.533	-0.011	82	37448	0.5005	0.5030	
25 Acetone	43	8.752	8.763	-0.011	89	176002	0.5005	1.88	
26 Carbon disulfide	76	9.009	9.019	-0.010	98	120790	0.5005	0.6511	
27 Isopropyl alcohol	45	9.035	9.057	-0.022	96	54231	0.5005	0.6862	
29 3-Chloro-1-propene	41	9.399	9.415	-0.016	91	39032	0.5005	0.5463	
30 Acetonitrile	41	9.533	9.549	-0.016	99	24510	0.5005	0.6134	
31 Methylene Chloride	49	9.731	9.747	-0.016	82	38678	0.5005	0.6017	
32 2-Methyl-2-propanol	59	9.902	9.929	-0.027	98	53309	0.5005	0.4670	
33 Methyl tert-butyl ether	73	10.164	10.170	-0.006	96	99873	0.5005	0.5020	
S 41 1,2-Dichloroethene, Total	61				0		1.00	1.02	
34 trans-1,2-Dichloroethene	61	10.228	10.244	-0.016	88	45642	0.5005	0.5109	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.378	10.394	-0.016	98	22395	0.5005	0.5151	
36 Hexane	57	10.646	10.656	-0.010	89	52199	0.5005	0.4823	
37 1,1-Dichloroethane	63	11.191	11.202	-0.011	92	60956	0.5005	0.5161	
38 Vinyl acetate	43	11.229	11.240	-0.011	99	71975	0.5005	0.4974	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	90	42698	0.5005	0.5101	
40 2-Butanone (MEK)	72	12.379	12.390	-0.011	99	27057	0.5005	0.6841	
42 Ethyl acetate	88	12.390	12.416	-0.026	96	3310	0.5005	0.4981	
44 Tetrahydrofuran	42	12.850	12.855	-0.005	32	36158	0.5005	0.5619	
* 43 Chlorobromomethane	128	12.850	12.860	-0.010	77	613925	10.0	10.0	
45 Chloroform	83	12.957	12.967	-0.010	94	76086	0.5005	0.5206	
46 Cyclohexane	84	13.256	13.267	-0.011	82	56284	0.5005	0.5005	
47 1,1,1-Trichloroethane	97	13.267	13.278	-0.011	90	80247	0.5005	0.5006	
48 Carbon tetrachloride	117	13.524	13.535	-0.011	89	83365	0.5005	0.4745	
51 Isooctane	57	13.914	13.920	-0.006	99	175299	0.5005	0.5205	
50 Benzene	78	13.979	13.984	-0.005	92	120833	0.5005	0.5076	
52 1,2-Dichloroethane	62	14.134	14.144	-0.010	90	44842	0.5005	0.5103	
53 n-Heptane	43	14.267	14.273	-0.006	88	61388	0.5005	0.5046	
* 54 1,4-Difluorobenzene	114	14.733	14.744	-0.011	92	3033970	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	17498174	0.5005	0	
55 n-Butanol	56	15.027	15.027	0.000	83	24864	0.5005	0.6523	
56 Trichloroethene	95	15.198	15.209	-0.011	90	55843	0.5005	0.5008	
58 1,2-Dichloropropane	63	15.723	15.723	0.000	90	41500	0.5005	0.5079	
59 Methyl methacrylate	69	15.797	15.808	-0.011	83	37507	0.5005	0.4656	
60 1,4-Dioxane	88	15.899	15.899	0.000	89	21234	0.5005	0.5166	
61 Dibromomethane	174	15.963	15.969	-0.006	89	60656	0.5005	0.4587	
62 Dichlorobromomethane	83	16.215	16.215	0.000	94	75255	0.5005	0.4741	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	28866752	0.5005	133.9	
64 cis-1,3-Dichloropropene	75	17.071	17.076	-0.005	84	56329	0.5005	0.4602	
65 4-Methyl-2-pentanone (MIBK	43	17.306	17.311	-0.005	94	71834	0.5005	0.5135	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	818470	NC	NC	
69 n-Octane	43	17.638	17.643	-0.005	72	85250	0.5005	0.5448	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	818470	0.5005	4.21	
66 Toluene	92	17.643	17.648	-0.005	94	122842	0.5005	0.6316	
70 trans-1,3-Dichloropropene	75	18.178	18.183	-0.005	95	54203	0.5005	0.4454	
71 1,1,2-Trichloroethane	83	18.542	18.553	-0.011	94	42354	0.5005	0.5051	
72 Tetrachloroethene	166	18.681	18.686	-0.005	90	95133	0.5005	0.4723	
73 2-Hexanone	43	18.932	18.932	0.000	94	68643	0.5005	0.5203	
74 Chlorodibromomethane	129	19.307	19.307	0.000	95	83194	0.5005	0.4301	
75 Ethylene Dibromide	107	19.585	19.590	-0.005	98	78099	0.5005	0.4766	
S 82 Xylenes, Total	106				0		1.50	1.50	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	81	2736912	10.0	10.0	
77 Chlorobenzene	112	20.484	20.489	-0.005	98	136867	0.5005	0.5092	
78 Ethylbenzene	91	20.596	20.601	-0.005	95	199740	0.5005	0.5165	
79 n-Nonane	57	20.655	20.655	0.000	86	82690	0.5005	0.5029	
80 m-Xylene & p-Xylene	106	20.816	20.821	-0.005	99	167318	1.00	1.01	
83 o-Xylene	106	21.527	21.532	-0.005	92	82736	0.5005	0.4901	
84 Styrene	104	21.570	21.570	0.000	98	115962	0.5005	0.4735	
85 Bromoform	173	21.950	21.950	0.000	99	81382	0.5005	0.3920	
86 Isopropylbenzene	105	22.094	22.094	0.000	95	232776	0.5005	0.5048	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	97	1806365	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.656	22.661	-0.005	92	108909	0.5005	0.5132	
90 N-Propylbenzene	91	22.731	22.731	0.000	99	271077	0.5005	0.5265	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.757	22.763	-0.006	87	88437	0.5005	0.5403	
93 n-Decane	57	22.843	22.843	0.000	87	108353	0.5005	0.5400	
91 4-Ethyltoluene	105	22.897	22.897	0.000	85	234733	0.5005	0.5114	
92 2-Chlorotoluene	91	22.929	22.934	-0.005	93	196319	0.5005	0.5230	
94 1,3,5-Trimethylbenzene	105	22.987	22.987	0.000	85	200347	0.5005	0.5112	
95 Alpha Methyl Styrene	118	23.341	23.341	0.000	90	91112	0.5005	0.4595	
96 tert-Butylbenzene	119	23.464	23.469	-0.005	93	201317	0.5005	0.4991	
97 1,2,4-Trimethylbenzene	105	23.555	23.560	-0.005	96	199810	0.5005	0.5071	
98 sec-Butylbenzene	105	23.795	23.795	0.000	98	292530	0.5005	0.5202	
99 4-Isopropyltoluene	119	23.993	23.999	-0.006	85	251401	0.5005	0.5033	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	145401	0.5005	0.4764	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	136314	0.5005	0.4570	
102 Benzyl chloride	91	24.421	24.421	0.000	99	86377	0.5005	0.3464	
104 Undecane	57	24.608	24.608	0.000	93	117216	0.5005	0.5729	
103 n-Butylbenzene	91	24.635	24.635	0.000	97	213563	0.5005	0.5305	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	98	146086	0.5005	0.4908	
106 Dodecane	57	26.411	26.406	0.005	94	94583	0.5005	0.5136	
107 1,2,4-Trichlorobenzene	180	27.701	27.706	-0.005	93	104158	0.5005	0.4319	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	93	113372	0.5005	0.4501	
109 Naphthalene	128	28.289	28.289	0.000	99	219022	0.5005	0.4726	
110 1,2,3-Trichlorobenzene	180	28.851	28.856	-0.005	94	112610	0.5005	0.5119	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL2w_00131	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

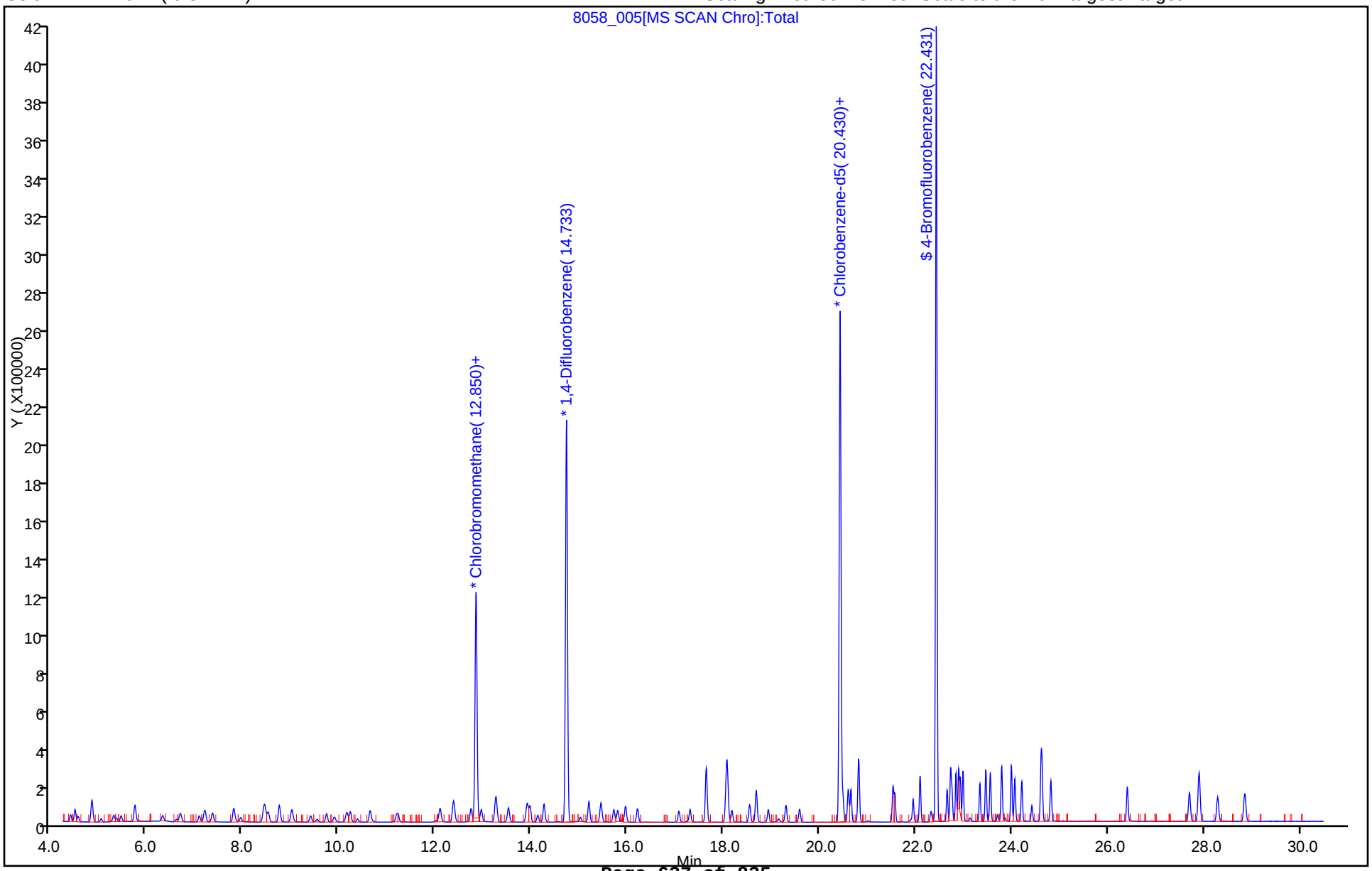
Report Date: 17-Jun-2014 09:22:20 Chrom Revision: 2.2 12-Jun-2014 08:49:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_005.d

Injection Date:	14-Jun-2014 09:46:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_006.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Jun-2014 10:36:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-006
Misc. Info.: IC-04
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:41 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 09:57:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.413	4.419	-0.006	98	197892	4.99	4.76	
2 Dichlorodifluoromethane	85	4.504	4.515	-0.011	88	747607	4.99	4.52	
6 Chlorodifluoromethane	51	4.574	4.579	-0.005	76	382300	4.99	4.63	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.852	4.863	-0.011	89	735932	4.99	4.45	
8 Chloromethane	50	5.050	5.061	-0.011	89	222466	4.99	4.55	
9 Butane	43	5.312	5.323	-0.011	98	390938	4.99	4.82	
10 Vinyl chloride	62	5.371	5.376	-0.005	82	267428	4.99	4.40	
11 Butadiene	54	5.467	5.478	-0.011	94	191528	4.99	4.43	
12 Bromomethane	94	6.328	6.339	-0.011	99	268550	4.99	4.40	
13 BFB									
14 Chloroethane	64	6.612	6.623	-0.011	96	152928	4.99	4.46	
15 2-Methylbutane	43	6.698	6.708	-0.010	92	285950	4.99	4.45	
16 Vinyl bromide	106	7.088	7.099	-0.011	97	317453	4.99	4.25	
17 Trichlorofluoromethane	101	7.206	7.217	-0.011	87	802571	4.99	4.40	
18 Pentane	43	7.372	7.377	-0.005	97	445837	4.99	4.83	
19 Ethanol	45	7.805	7.832	-0.027	99	259516	10.0	11.0	
21 Ethyl ether	59	7.949	7.960	-0.011	94	182930	4.99	4.43	
22 Acrolein	56	8.415	8.426	-0.011	94	81340	4.99	4.63	
23 1,1,2-Trichloro-1,2,2-trif	101	8.452	8.458	-0.006	93	604357	4.99	4.32	
24 1,1-Dichloroethene	96	8.527	8.533	-0.006	85	292687	4.99	4.27	
25 Acetone	43	8.757	8.763	-0.006	89	485345	4.99	5.62	
26 Carbon disulfide	76	9.014	9.019	-0.005	99	720064	4.99	4.21	
27 Isopropyl alcohol	45	9.035	9.057	-0.022	91	347447	4.99	4.77	
29 3-Chloro-1-propene	41	9.410	9.415	-0.005	90	300368	4.99	4.57	
30 Acetonitrile	41	9.544	9.549	-0.005	99	173374	4.99	4.71	
31 Methylene Chloride	49	9.736	9.747	-0.011	83	276254	4.99	4.67	
32 2-Methyl-2-propanol	59	9.902	9.929	-0.027	99	458005	4.99	4.36	
33 Methyl tert-butyl ether	73	10.159	10.170	-0.011	96	798346	4.99	4.36	
S 41 1,2-Dichloroethene, Total	61				0		9.99	8.78	
34 trans-1,2-Dichloroethene	61	10.234	10.244	-0.010	82	368004	4.99	4.47	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.378	10.394	-0.016	97	177908	4.99	4.44	
36 Hexane	57	10.646	10.656	-0.010	91	422795	4.99	4.24	
37 1,1-Dichloroethane	63	11.197	11.202	-0.005	94	484195	4.99	4.45	
38 Vinyl acetate	43	11.234	11.240	-0.006	99	618341	4.99	4.64	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	93	331827	4.99	4.30	
40 2-Butanone (MEK)	72	12.379	12.390	-0.011	99	157025	4.99	4.31	
42 Ethyl acetate	88	12.400	12.416	-0.016	97	25885	4.99	4.23	
44 Tetrahydrofuran	42	12.850	12.855	-0.005	92	272419	4.99	4.59	
* 43 Chlorobromomethane	128	12.850	12.860	-0.010	76	565399	10.0	10.0	
45 Chloroform	83	12.962	12.967	-0.005	94	587069	4.99	4.36	
46 Cyclohexane	84	13.262	13.267	-0.005	87	442047	4.99	4.26	
47 1,1,1-Trichloroethane	97	13.267	13.278	-0.011	93	628498	4.99	4.25	
48 Carbon tetrachloride	117	13.524	13.535	-0.011	89	680928	4.99	4.20	
51 Isooctane	57	13.914	13.920	-0.006	99	1380918	4.99	4.44	
50 Benzene	78	13.979	13.984	-0.005	93	942298	4.99	4.29	
52 1,2-Dichloroethane	62	14.134	14.144	-0.010	92	355115	4.99	4.38	
53 n-Heptane	43	14.267	14.273	-0.006	88	483453	4.99	4.30	
* 54 1,4-Difluorobenzene	114	14.738	14.744	-0.006	92	2800593	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	121152619	4.99	0	
55 n-Butanol	56	15.016	15.027	-0.011	85	148627	4.99	4.22	
56 Trichloroethene	95	15.198	15.209	-0.011	90	426021	4.99	4.14	
58 1,2-Dichloropropane	63	15.717	15.723	-0.006	92	327230	4.99	4.34	
59 Methyl methacrylate	69	15.803	15.808	-0.005	82	320907	4.99	4.32	
60 1,4-Dioxane	88	15.894	15.899	-0.005	86	165196	4.99	4.35	
61 Dibromomethane	174	15.963	15.969	-0.006	89	489857	4.99	4.01	
62 Dichlorobromomethane	83	16.209	16.215	-0.006	95	634319	4.99	4.33	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	211129759	4.99	1060.8	
64 cis-1,3-Dichloropropene	75	17.071	17.076	-0.005	85	481858	4.99	4.26	
65 4-Methyl-2-pentanone (MIBK	43	17.301	17.311	-0.010	95	593274	4.99	4.59	
69 n-Octane	43	17.638	17.643	-0.005	89	667434	4.99	4.62	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	5563454	NC	NC	
66 Toluene	92	17.643	17.648	-0.005	93	740073	4.99	4.07	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	5563454	4.99	30.6	
70 trans-1,3-Dichloropropene	75	18.178	18.183	-0.005	93	483487	4.99	4.30	
71 1,1,2-Trichloroethane	83	18.547	18.553	-0.006	93	332673	4.99	4.24	
72 Tetrachloroethene	166	18.686	18.686	0.000	90	760503	4.99	4.04	
73 2-Hexanone	43	18.932	18.932	0.000	97	563187	4.99	4.56	
74 Chlorodibromomethane	129	19.302	19.307	-0.005	96	755633	4.99	4.18	
75 Ethylene Dibromide	107	19.585	19.590	-0.005	98	649919	4.99	4.24	
S 82 Xylenes, Total	106				0		15.0	13.4	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2559835	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	92	1062572	4.99	4.23	
78 Ethylbenzene	91	20.601	20.601	0.000	96	1585196	4.99	4.38	
79 n-Nonane	57	20.655	20.655	0.000	85	689710	4.99	4.48	
80 m-Xylene & p-Xylene	106	20.815	20.821	-0.006	98	1394934	9.99	9.02	
83 o-Xylene	106	21.532	21.532	0.000	95	687636	4.99	4.36	
84 Styrene	104	21.570	21.570	0.000	97	1026893	4.99	4.48	
85 Bromoform	173	21.950	21.950	0.000	99	799953	4.99	4.12	
86 Isopropylbenzene	105	22.094	22.094	0.000	94	1937563	4.99	4.49	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	98	1708281	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.656	22.661	-0.005	93	890654	4.99	4.49	
90 N-Propylbenzene	91	22.731	22.731	0.000	99	2225165	4.99	4.62	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.757	22.763	-0.006	89	693732	4.99	4.53	
93 n-Decane	57	22.843	22.843	0.000	86	911682	4.99	4.86	
91 4-Ethyltoluene	105	22.897	22.897	-0.001	84	1958494	4.99	4.56	
92 2-Chlorotoluene	91	22.934	22.934	0.000	92	1567267	4.99	4.46	
94 1,3,5-Trimethylbenzene	105	22.987	22.987	0.000	86	1640731	4.99	4.48	
95 Alpha Methyl Styrene	118	23.341	23.341	0.000	90	860947	4.99	4.64	
96 tert-Butylbenzene	119	23.464	23.469	-0.005	95	1677467	4.99	4.45	
97 1,2,4-Trimethylbenzene	105	23.555	23.560	-0.005	96	1649626	4.99	4.48	
98 sec-Butylbenzene	105	23.795	23.795	0.000	98	2405166	4.99	4.57	
99 4-Isopropyltoluene	119	23.999	23.999	0.000	88	2125241	4.99	4.55	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	1247575	4.99	4.37	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	1217482	4.99	4.36	
102 Benzyl chloride	91	24.421	24.421	0.000	100	1050437	4.99	4.50	
104 Undecane	57	24.608	24.608	0.000	92	996662	4.99	5.21	
103 n-Butylbenzene	91	24.630	24.635	-0.005	97	1771724	4.99	4.71	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	98	1199685	4.99	4.31	
106 Dodecane	57	26.406	26.406	0.000	94	907645	4.99	5.27	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	92	890796	4.99	3.95	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	94	974898	4.99	4.14	
109 Naphthalene	128	28.289	28.289	0.000	99	1777404	4.99	4.10	
110 1,2,3-Trichlorobenzene	180	28.851	28.856	-0.005	94	874223	4.99	4.25	

QC Flag Legend

Processing Flags
NC - Not Calibrated

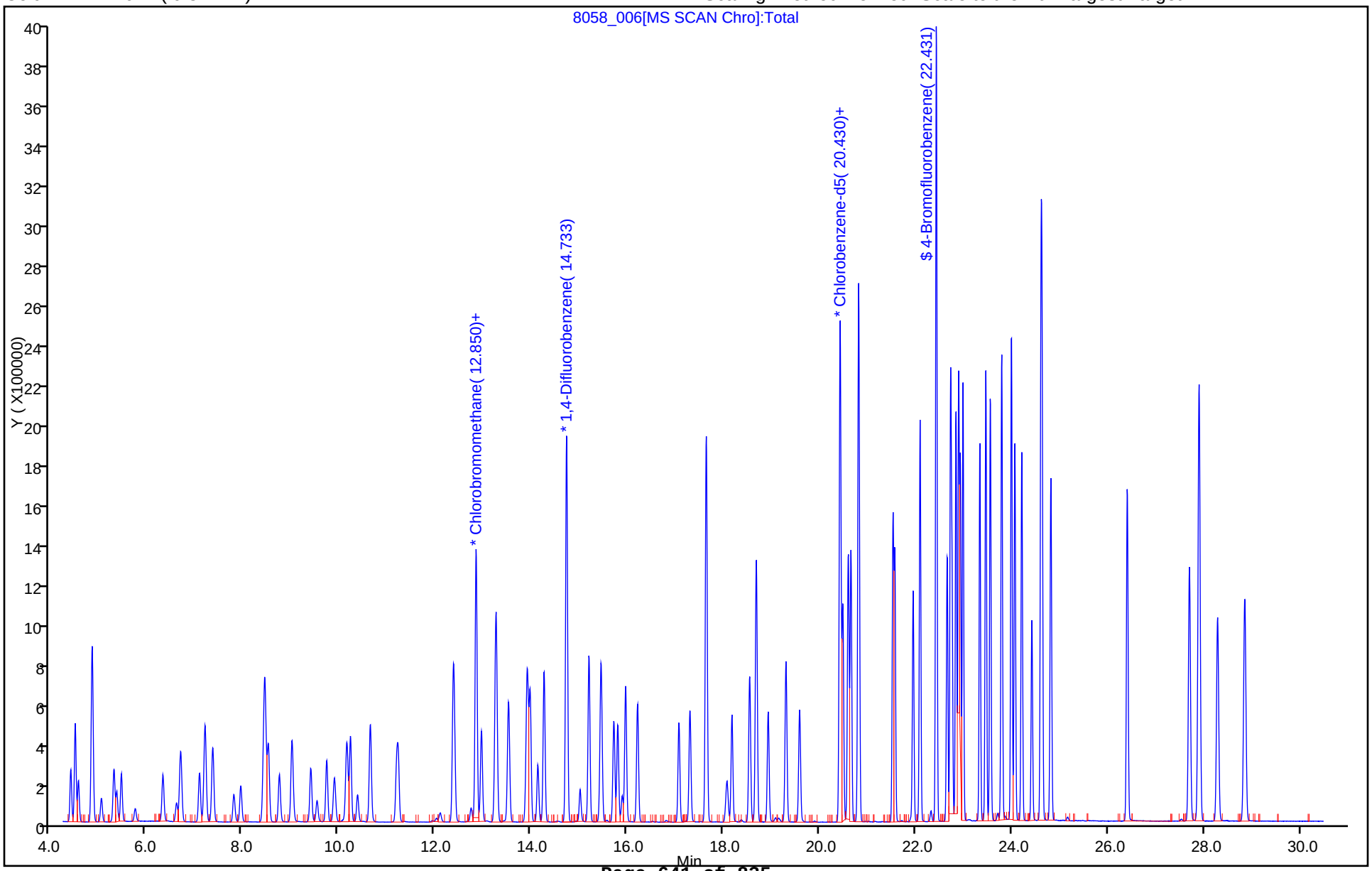
Report Date: 16-Jun-2014 10:40:41 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_006.d

Injection Date:	14-Jun-2014 10:36:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_007.d
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 14-Jun-2014 11:26:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-007
Misc. Info.: ICIS-05
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 17-Jun-2014 09:21:43 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 17-Jun-2014 09:21:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.419	4.419	0.000	98	469817	10.0	10.3	
2 Dichlorodifluoromethane	85	4.515	4.515	0.000	88	1933403	10.0	10.6	
6 Chlorodifluoromethane	51	4.579	4.579	0.000	76	961488	10.0	10.6	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.863	4.863	0.000	87	1899518	10.0	10.4	
8 Chloromethane	50	5.061	5.061	0.000	88	558815	10.0	10.4	
9 Butane	43	5.323	5.323	0.000	98	960486	10.0	10.8	
10 Vinyl chloride	62	5.376	5.376	0.000	81	709375	10.0	10.6	
11 Butadiene	54	5.478	5.478	0.000	93	514526	10.0	10.8	
12 Bromomethane	94	6.339	6.339	0.000	99	694003	10.0	10.3	
13 BFB									
14 Chloroethane	64	6.623	6.623	0.000	96	397081	10.0	10.5	
15 2-Methylbutane	43	6.708	6.708	0.000	91	714580	10.0	10.1	
16 Vinyl bromide	106	7.099	7.099	0.000	99	846732	10.0	10.3	
17 Trichlorofluoromethane	101	7.217	7.217	0.000	87	2066602	10.0	10.3	
18 Pentane	43	7.377	7.377	0.000	97	1082869	10.0	10.7	
19 Ethanol	45	7.832	7.832	0.000	99	423144	15.0	16.4	
21 Ethyl ether	59	7.960	7.960	0.000	94	478447	10.0	10.5	
22 Acrolein	56	8.426	8.426	0.000	95	199914	10.0	10.3	
23 1,1,2-Trichloro-1,2,2-trif	101	8.458	8.458	0.000	93	1582240	10.0	10.3	
24 1,1-Dichloroethene	96	8.533	8.533	0.000	85	776062	10.0	10.3	
25 Acetone	43	8.763	8.763	0.000	89	1094199	10.0	11.5	
26 Carbon disulfide	76	9.019	9.019	0.000	98	1911050	10.0	10.2	
27 Isopropyl alcohol	45	9.057	9.057	0.000	98	957457	10.0	12.0	
29 3-Chloro-1-propene	41	9.415	9.415	0.000	90	752218	10.0	10.4	
30 Acetonitrile	41	9.549	9.549	0.000	99	456622	10.0	11.3	
31 Methylene Chloride	49	9.747	9.747	0.000	81	671046	10.0	10.3	
32 2-Methyl-2-propanol	59	9.929	9.929	0.000	99	1348885	10.0	11.7	
33 Methyl tert-butyl ether	73	10.170	10.170	0.000	96	2120966	10.0	10.5	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.9	
34 trans-1,2-Dichloroethene	61	10.244	10.244	0.000	80	948948	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.394	10.394	0.000	96	473690	10.0	10.8	
36 Hexane	57	10.656	10.656	0.000	90	1065615	10.0	9.72	
37 1,1-Dichloroethane	63	11.202	11.202	0.000	94	1263420	10.0	10.6	
38 Vinyl acetate	43	11.240	11.240	0.000	99	1605843	10.0	11.0	
39 cis-1,2-Dichloroethene	96	12.379	12.379	0.000	93	881650	10.0	10.4	
40 2-Butanone (MEK)	72	12.390	12.390	0.000	99	401738	10.0	10.0	
42 Ethyl acetate	88	12.416	12.416	0.000	99	71925	10.0	10.7	
44 Tetrahydrofuran	42	12.855	12.855	0.000	91	705701	10.0	11.0	
* 43 Chlorobromomethane	128	12.860	12.860	0.000	76	621706	10.0	10.0	
45 Chloroform	83	12.967	12.967	0.000	94	1542191	10.0	10.4	
46 Cyclohexane	84	13.267	13.267	0.000	85	1168879	10.0	10.4	
47 1,1,1-Trichloroethane	97	13.278	13.278	0.000	93	1662042	10.0	10.4	
48 Carbon tetrachloride	117	13.535	13.535	0.000	89	1844146	10.0	10.5	
51 Isooctane	57	13.920	13.920	0.000	99	3559291	10.0	10.6	
50 Benzene	78	13.984	13.984	0.000	93	2442468	10.0	10.3	
52 1,2-Dichloroethane	62	14.144	14.144	0.000	92	921601	10.0	10.5	
53 n-Heptane	43	14.273	14.273	0.000	87	1196799	10.0	9.87	
* 54 1,4-Difluorobenzene	114	14.744	14.744	0.000	92	3022390	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	314780732	10.0	0	
55 n-Butanol	56	15.027	15.027	0.000	84	429267	10.0	11.3	
56 Trichloroethene	95	15.209	15.209	0.000	89	1130167	10.0	10.2	
58 1,2-Dichloropropane	63	15.723	15.723	0.000	93	852063	10.0	10.5	
59 Methyl methacrylate	69	15.808	15.808	0.000	81	863230	10.0	10.8	
60 1,4-Dioxane	88	15.899	15.899	0.000	86	490757	10.0	12.0	
61 Dibromomethane	174	15.969	15.969	0.000	88	1355809	10.0	10.3	
62 Dichlorobromomethane	83	16.215	16.215	0.000	95	1699009	10.0	10.7	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	557231860	10.0	2594.4	
64 cis-1,3-Dichloropropene	75	17.076	17.076	0.000	84	1319964	10.0	10.8	
65 4-Methyl-2-pentanone (MIBK	43	17.311	17.311	0.000	93	1551269	10.0	11.1	
69 n-Octane	43	17.643	17.643	0.000	87	1613015	10.0	10.3	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	14038224	NC	NC	
66 Toluene	92	17.648	17.648	0.000	94	1935272	10.0	9.79	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	14038224	10.0	71.0	
70 trans-1,3-Dichloropropene	75	18.183	18.183	0.000	92	1334289	10.0	11.0	
71 1,1,2-Trichloroethane	83	18.553	18.553	0.000	93	886121	10.0	10.4	
72 Tetrachloroethene	166	18.686	18.686	0.000	89	2088563	10.0	10.2	
73 2-Hexanone	43	18.932	18.932	0.000	93	1481133	10.0	11.0	
74 Chlorodibromomethane	129	19.307	19.307	0.000	96	2133863	10.0	10.9	
75 Ethylene Dibromide	107	19.590	19.590	0.000	99	1766627	10.0	10.6	
S 82 Xylenes, Total	106				0		30.0	32.4	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2781609	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	98	2828706	10.0	10.4	
78 Ethylbenzene	91	20.601	20.601	0.000	95	4157719	10.0	10.6	
79 n-Nonane	57	20.655	20.655	0.000	83	1725249	10.0	10.3	
80 m-Xylene & p-Xylene	106	20.821	20.821	0.000	97	3646323	20.0	21.7	
83 o-Xylene	106	21.532	21.532	0.000	96	1836715	10.0	10.7	
84 Styrene	104	21.570	21.570	0.000	97	2824642	10.0	11.3	
85 Bromoform	173	21.950	21.950	0.000	99	2378879	10.0	11.3	
86 Isopropylbenzene	105	22.094	22.094	0.000	94	5061976	10.0	10.8	
$ 87 4-Bromofluorobenzene	95	22.436	22.436	0.000	97	1849758	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.661	22.661	0.000	92	2329893	10.0	10.8	
90 N-Propylbenzene	91	22.731	22.731	0.000	98	5745350	10.0	11.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.763	22.763	0.000	94	1811073	10.0	10.9	
93 n-Decane	57	22.843	22.843	0.000	83	2283318	10.0	11.2	
91 4-Ethyltoluene	105	22.897	22.897	0.000	84	5131642	10.0	11.0	
92 2-Chlorotoluene	91	22.934	22.934	0.000	91	4106250	10.0	10.8	
94 1,3,5-Trimethylbenzene	105	22.987	22.987	0.000	86	4339590	10.0	10.9	
95 Alpha Methyl Styrene	118	23.341	23.341	0.000	90	2411568	10.0	12.0	
96 tert-Butylbenzene	119	23.469	23.469	0.000	92	4412729	10.0	10.8	
97 1,2,4-Trimethylbenzene	105	23.560	23.560	0.000	95	4369672	10.0	10.9	
98 sec-Butylbenzene	105	23.795	23.795	0.000	98	6257024	10.0	10.9	
99 4-Isopropyltoluene	119	23.999	23.999	0.000	94	5608679	10.0	11.0	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	3433407	10.0	11.1	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	3407885	10.0	11.2	
102 Benzyl chloride	91	24.421	24.421	0.000	100	2822199	10.0	11.1	
104 Undecane	57	24.608	24.608	0.000	91	2500936	10.0	12.0	
103 n-Butylbenzene	91	24.635	24.635	0.000	97	4597886	10.0	11.2	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	98	3260124	10.0	10.8	
106 Dodecane	57	26.406	26.406	0.000	93	2456241	10.0	13.1	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	92	2749600	10.0	11.2	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	95	2771121	10.0	10.8	
109 Naphthalene	128	28.289	28.289	0.000	99	5658932	10.0	12.0	
110 1,2,3-Trichlorobenzene	180	28.856	28.856	0.000	94	2608308	10.0	11.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00362	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

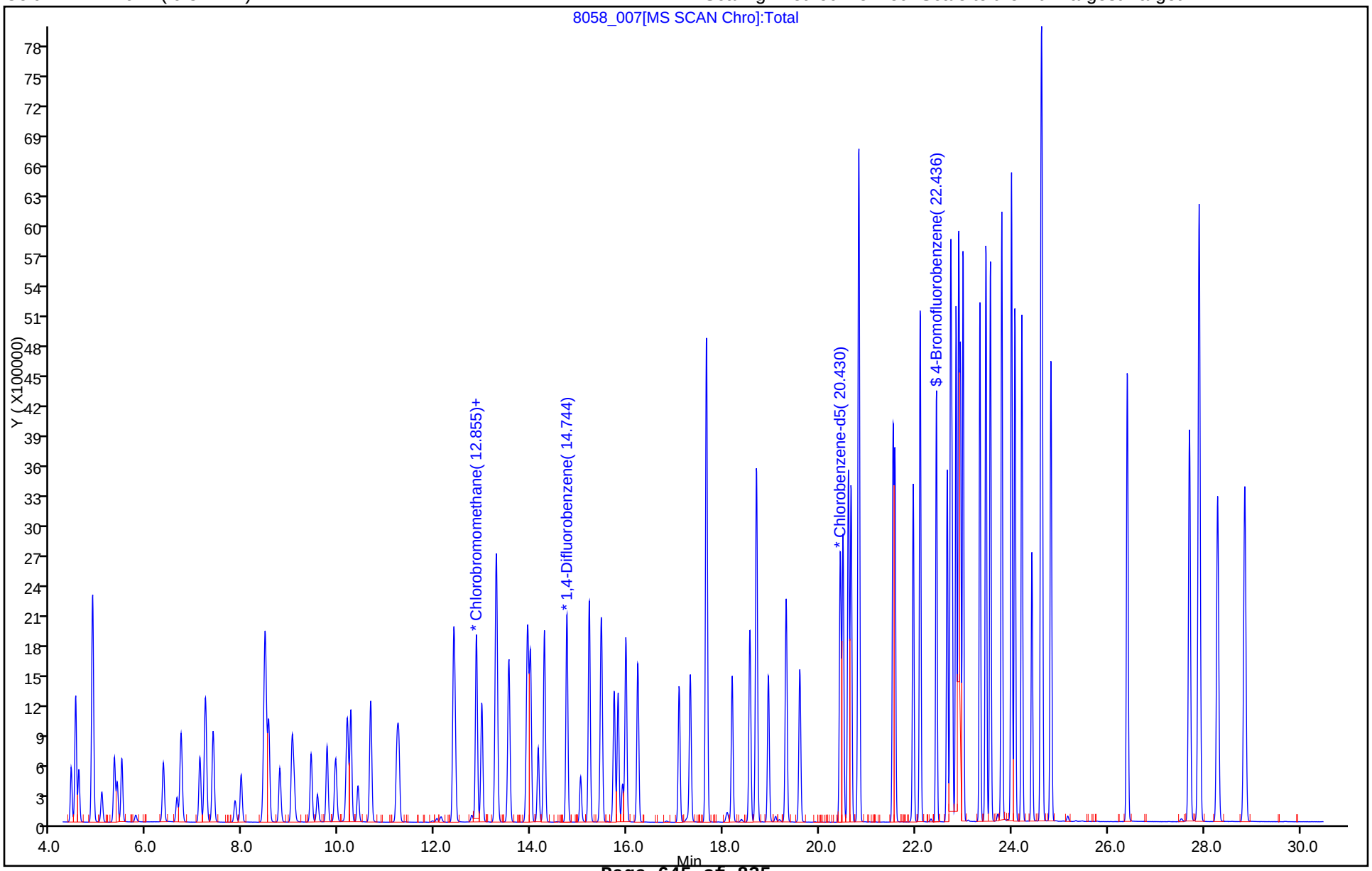
Report Date: 17-Jun-2014 09:21:44 Chrom Revision: 2.2 12-Jun-2014 08:49:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_007.d

Injection Date:	14-Jun-2014 11:26:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	ICIS			Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_008.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 14-Jun-2014 12:16:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-008
Misc. Info.: IC-06
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:43 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 09:59:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.413	4.419	-0.006	98	692857	15.0	14.6	
2 Dichlorodifluoromethane	85	4.504	4.515	-0.011	88	2910832	15.0	15.4	
6 Chlorodifluoromethane	51	4.569	4.579	-0.010	76	1440544	15.0	15.3	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.857	4.863	-0.006	87	2859089	15.0	15.2	
8 Chloromethane	50	5.050	5.061	-0.011	89	843772	15.0	15.1	
9 Butane	43	5.312	5.323	-0.011	98	1411470	15.0	15.3	
10 Vinyl chloride	62	5.371	5.376	-0.005	81	1071516	15.0	15.5	
11 Butadiene	54	5.467	5.478	-0.011	94	769038	15.0	15.6	
12 Bromomethane	94	6.334	6.339	-0.005	99	1034511	15.0	14.9	
13 BFB									
14 Chloroethane	64	6.618	6.623	-0.005	96	610178	15.0	15.6	
15 2-Methylbutane	43	6.698	6.708	-0.010	92	1068305	15.0	14.6	
16 Vinyl bromide	106	7.094	7.099	-0.005	98	1317386	15.0	15.4	
17 Trichlorofluoromethane	101	7.211	7.217	-0.006	87	3166856	15.0	15.2	
18 Pentane	43	7.366	7.377	-0.011	97	1613354	15.0	15.3	
19 Ethanol	45	7.810	7.832	-0.022	99	526428	20.0	19.6	
21 Ethyl ether	59	7.950	7.960	-0.010	94	729054	15.0	15.5	
22 Acrolein	56	8.415	8.426	-0.011	96	311843	15.0	15.6	
23 1,1,2-Trichloro-1,2,2-trif	101	8.447	8.458	-0.011	93	2443487	15.0	15.3	
24 1,1-Dichloroethene	96	8.527	8.533	-0.006	85	1201494	15.0	15.4	
25 Acetone	43	8.752	8.763	-0.011	91	1467844	15.0	14.9	
26 Carbon disulfide	76	9.014	9.019	-0.005	98	2879345	15.0	14.8	
27 Isopropyl alcohol	45	9.041	9.057	-0.016	97	1274876	15.0	15.4	
29 3-Chloro-1-propene	41	9.410	9.415	-0.005	90	1163542	15.0	15.5	
30 Acetonitrile	41	9.538	9.549	-0.011	100	660902	15.0	15.7	
31 Methylene Chloride	49	9.742	9.747	-0.005	81	1006237	15.0	14.9	
32 2-Methyl-2-propanol	59	9.908	9.929	-0.021	99	1863403	15.0	15.5	
33 Methyl tert-butyl ether	73	10.159	10.170	-0.011	96	3256093	15.0	15.6	
S 41 1,2-Dichloroethene, Total	61				0		30.0	30.8	
34 trans-1,2-Dichloroethene	61	10.239	10.244	-0.005	79	1443844	15.0	15.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.384	10.394	-0.010	96	712427	15.0	15.6	
36 Hexane	57	10.651	10.656	-0.005	89	1615681	15.0	14.2	
37 1,1-Dichloroethane	63	11.197	11.202	-0.005	94	1912064	15.0	15.4	
38 Vinyl acetate	43	11.234	11.240	-0.006	99	2416387	15.0	15.9	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	91	1352225	15.0	15.4	
40 2-Butanone (MEK)	72	12.384	12.390	-0.006	100	608947	15.0	14.7	
42 Ethyl acetate	88	12.406	12.416	-0.010	99	109767	15.0	15.7	
44 Tetrahydrofuran	42	12.845	12.855	-0.010	91	1039410	15.0	15.8	
* 43 Chlorobromomethane	128	12.855	12.860	-0.005	77	644888	10.0	10.0	
45 Chloroform	83	12.968	12.967	0.001	94	2358421	15.0	15.4	
46 Cyclohexane	84	13.262	13.267	-0.005	85	1800908	15.0	15.6	
47 1,1,1-Trichloroethane	97	13.273	13.278	-0.005	92	2561294	15.0	15.6	
48 Carbon tetrachloride	117	13.529	13.535	-0.006	89	2874816	15.0	16.0	
51 Isooctane	57	13.920	13.920	0.000	99	5334952	15.0	15.5	
50 Benzene	78	13.979	13.984	-0.005	92	3739090	15.0	15.3	
52 1,2-Dichloroethane	62	14.139	14.144	-0.005	91	1393139	15.0	15.5	
53 n-Heptane	43	14.268	14.273	-0.005	86	1773580	15.0	14.2	
* 54 1,4-Difluorobenzene	114	14.738	14.744	-0.006	92	3106006	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	475383737	15.0	0	
55 n-Butanol	56	15.017	15.027	-0.010	84	627214	15.0	16.1	
56 Trichloroethene	95	15.204	15.209	-0.005	88	1747105	15.0	15.3	
58 1,2-Dichloropropane	63	15.723	15.723	0.000	93	1302619	15.0	15.6	
59 Methyl methacrylate	69	15.803	15.808	-0.005	80	1335036	15.0	16.2	
60 1,4-Dioxane	88	15.894	15.899	-0.005	85	653911	15.0	15.5	
61 Dibromomethane	174	15.969	15.969	0.000	87	2147639	15.0	15.9	
62 Dichlorobromomethane	83	16.215	16.215	0.000	95	2613934	15.0	16.1	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	837017342	15.0	3792.1	
64 cis-1,3-Dichloropropene	75	17.076	17.076	0.000	83	2047179	15.0	16.3	
65 4-Methyl-2-pentanone (MIBK	43	17.306	17.311	-0.005	92	2261803	15.0	15.8	
69 n-Octane	43	17.638	17.643	-0.005	86	2308838	15.0	14.4	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	20881099	NC	NC	
66 Toluene	92	17.649	17.648	0.001	94	2936589	15.0	14.5	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	20881099	15.0	103.2	
70 trans-1,3-Dichloropropene	75	18.178	18.183	-0.005	91	2063052	15.0	16.6	
71 1,1,2-Trichloroethane	83	18.547	18.553	-0.006	92	1359121	15.0	15.6	
72 Tetrachloroethene	166	18.686	18.686	0.000	89	3285183	15.0	15.7	
73 2-Hexanone	43	18.933	18.932	0.001	92	2157179	15.0	15.7	
74 Chlorodibromomethane	129	19.307	19.307	0.000	96	3357225	15.0	16.7	
75 Ethylene Dibromide	107	19.591	19.590	0.001	99	2736481	15.0	16.0	
S 82 Xylenes, Total	106				0		45.0	47.9	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2848051	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	97	4352768	15.0	15.6	
78 Ethylbenzene	91	20.602	20.601	0.001	95	6302731	15.0	15.7	
79 n-Nonane	57	20.655	20.655	0.000	83	2556824	15.0	14.9	
80 m-Xylene & p-Xylene	106	20.816	20.821	-0.005	97	5485150	30.0	31.9	
83 o-Xylene	106	21.532	21.532	0.000	96	2806217	15.0	16.0	
84 Styrene	104	21.570	21.570	0.000	98	4299320	15.0	16.9	
85 Bromoform	173	21.950	21.950	0.000	99	3812482	15.0	17.6	
86 Isopropylbenzene	105	22.094	22.094	0.000	94	7628058	15.0	15.9	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	97	1884923	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.661	22.661	0.000	92	3503138	15.0	15.9	
90 N-Propylbenzene	91	22.731	22.731	0.000	96	8489813	15.0	15.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.763	22.763	0.000	86	2693181	15.0	15.8	
93 n-Decane	57	22.843	22.843	0.000	82	3334014	15.0	16.0	
91 4-Ethyltoluene	105	22.902	22.897	0.005	83	7651300	15.0	16.0	
92 2-Chlorotoluene	91	22.934	22.934	0.000	91	6137873	15.0	15.7	
94 1,3,5-Trimethylbenzene	105	22.993	22.987	0.006	87	6540016	15.0	16.0	
95 Alpha Methyl Styrene	118	23.341	23.341	0.000	90	3707868	15.0	18.0	
96 tert-Butylbenzene	119	23.469	23.469	0.000	92	6674529	15.0	15.9	
97 1,2,4-Trimethylbenzene	105	23.560	23.560	0.000	95	6576813	15.0	16.0	
98 sec-Butylbenzene	105	23.795	23.795	0.000	97	9290663	15.0	15.9	
99 4-Isopropyltoluene	119	23.999	23.999	0.000	93	8409771	15.0	16.2	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	5237605	15.0	16.5	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	5180659	15.0	16.7	
102 Benzyl chloride	91	24.421	24.421	0.000	99	4834437	15.0	18.6	
104 Undecane	57	24.609	24.608	0.001	90	3487267	15.0	16.4	
103 n-Butylbenzene	91	24.635	24.635	0.000	97	6707811	15.0	16.0	
105 1,2-Dichlorobenzene	146	24.823	24.817	0.006	98	5006056	15.0	16.2	
106 Dodecane	57	26.411	26.406	0.005	92	3279874	15.0	17.1	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	92	4092050	15.0	16.3	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	95	4331819	15.0	16.5	
109 Naphthalene	128	28.289	28.289	0.000	99	7639569	15.0	15.8	
110 1,2,3-Trichlorobenzene	180	28.856	28.856	0.000	94	3751034	15.0	16.4	

QC Flag Legend

Processing Flags
NC - Not Calibrated

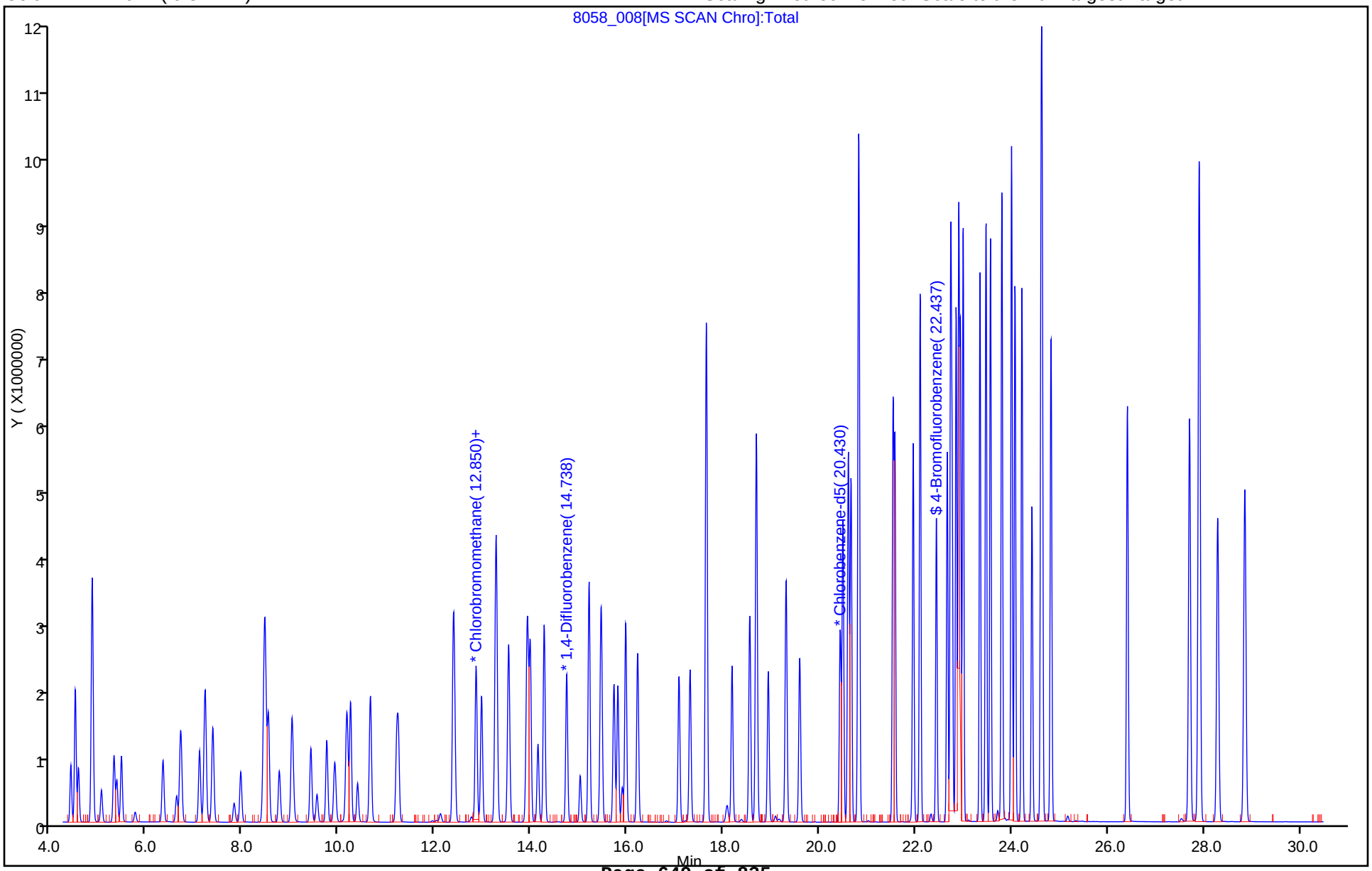
Report Date: 16-Jun-2014 10:40:43 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_008.d

Injection Date:	14-Jun-2014 12:16:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_009.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 14-Jun-2014 13:06:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-009
Misc. Info.: IC-07
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:44 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 10:00:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.413	4.419	-0.006	98	951503	20.0	18.7	
2 Dichlorodifluoromethane	85	4.510	4.515	-0.005	88	4061763	20.0	20.0	
6 Chlorodifluoromethane	51	4.574	4.579	-0.005	76	1977624	20.0	19.5	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.857	4.863	-0.006	85	3999205	20.0	19.7	
8 Chloromethane	50	5.055	5.061	-0.006	88	1166980	20.0	19.5	
9 Butane	43	5.317	5.323	-0.006	98	1955904	20.0	19.7	
10 Vinyl chloride	62	5.371	5.376	-0.005	81	1500404	20.0	20.2	
11 Butadiene	54	5.472	5.478	-0.006	92	1080934	20.0	20.4	
12 Bromomethane	94	6.334	6.339	-0.005	99	1465810	20.0	19.6	
13 BFB									
14 Chloroethane	64	6.617	6.623	-0.006	96	837573	20.0	19.9	
15 2-Methylbutane	43	6.703	6.708	-0.005	91	1444837	20.0	18.3	
16 Vinyl bromide	106	7.093	7.099	-0.006	99	1888632	20.0	20.6	
17 Trichlorofluoromethane	101	7.211	7.217	-0.006	86	4478206	20.0	20.0	
18 Pentane	43	7.372	7.377	-0.005	96	2205967	20.0	19.5	
19 Ethanol	45	7.832	7.832	0.000	99	1057254	40.0	36.7	
21 Ethyl ether	59	7.960	7.960	0.000	93	1017137	20.0	20.1	
22 Acrolein	56	8.420	8.426	-0.006	95	466890	20.0	21.7	
23 1,1,2-Trichloro-1,2,2-trif	101	8.452	8.458	-0.006	92	3460270	20.0	20.2	
24 1,1-Dichloroethene	96	8.533	8.533	-0.001	83	1717262	20.0	20.4	
25 Acetone	43	8.763	8.763	0.000	90	2026274	20.0	19.2	
26 Carbon disulfide	76	9.014	9.019	-0.005	98	4047890	20.0	19.3	
27 Isopropyl alcohol	45	9.062	9.057	0.005	99	1734629	20.0	19.4	
29 3-Chloro-1-propene	41	9.415	9.415	0.000	89	1602291	20.0	19.9	
30 Acetonitrile	41	9.544	9.549	-0.005	100	890921	20.0	19.8	
31 Methylene Chloride	49	9.747	9.747	0.000	79	1402836	20.0	19.3	
32 2-Methyl-2-propanol	59	9.934	9.929	0.005	99	2616375	20.0	20.3	
33 Methyl tert-butyl ether	73	10.170	10.170	0.000	96	4597376	20.0	20.5	
S 41 1,2-Dichloroethene, Total	61				0		40.0	40.3	
34 trans-1,2-Dichloroethene	61	10.239	10.244	-0.005	79	2014404	20.0	20.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.389	10.394	-0.005	95	1001401	20.0	20.4	
36 Hexane	57	10.651	10.656	-0.005	88	2252142	20.0	18.4	
37 1,1-Dichloroethane	63	11.202	11.202	0.000	94	2677573	20.0	20.1	
38 Vinyl acetate	43	11.245	11.240	0.005	99	3303385	20.0	20.2	
39 cis-1,2-Dichloroethene	96	12.379	12.379	0.000	90	1922125	20.0	20.3	
40 2-Butanone (MEK)	72	12.395	12.390	0.005	99	851760	20.0	19.1	
42 Ethyl acetate	88	12.416	12.416	0.000	98	158528	20.0	21.1	
44 Tetrahydrofuran	42	12.855	12.855	0.000	89	1422715	20.0	20.0	
* 43 Chlorobromomethane	128	12.860	12.860	0.000	79	692916	10.0	10.0	
45 Chloroform	83	12.973	12.967	0.006	93	3320360	20.0	20.1	
46 Cyclohexane	84	13.262	13.267	-0.005	84	2530869	20.0	20.4	
47 1,1,1-Trichloroethane	97	13.278	13.278	0.000	92	3634554	20.0	20.5	
48 Carbon tetrachloride	117	13.534	13.535	-0.001	89	4012020	20.0	20.7	
51 Isooctane	57	13.925	13.920	0.005	99	7351362	20.0	19.8	
50 Benzene	78	13.984	13.984	0.000	92	5240982	20.0	19.9	
52 1,2-Dichloroethane	62	14.144	14.144	0.000	91	1938565	20.0	20.0	
53 n-Heptane	43	14.273	14.273	0.000	85	2404421	20.0	17.9	
* 54 1,4-Difluorobenzene	114	14.744	14.744	0.000	92	3350769	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	663391564	20.0	0	
55 n-Butanol	56	15.027	15.027	0.000	83	835337	20.0	19.8	
56 Trichloroethene	95	15.209	15.209	0.000	88	2472001	20.0	20.1	
58 1,2-Dichloropropane	63	15.728	15.723	0.005	93	1820493	20.0	20.2	
59 Methyl methacrylate	69	15.808	15.808	0.000	79	1872071	20.0	21.0	
60 1,4-Dioxane	88	15.904	15.899	0.005	85	901913	20.0	19.9	
61 Dibromomethane	174	15.969	15.969	0.000	86	3134433	20.0	21.5	
62 Dichlorobromomethane	83	16.220	16.215	0.005	94	3684023	20.0	21.0	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	1152666928	20.0	4840.7	
64 cis-1,3-Dichloropropene	75	17.081	17.076	0.005	82	2903522	20.0	21.5	
65 4-Methyl-2-pentanone (MIBK	43	17.311	17.311	0.000	92	3076004	20.0	19.9	
69 n-Octane	43	17.643	17.643	0.000	84	3015372	20.0	17.4	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	28283497	NC	NC	
66 Toluene	92	17.654	17.648	0.006	94	4054395	20.0	18.7	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	28283497	20.0	130.4	
70 trans-1,3-Dichloropropene	75	18.183	18.183	0.000	91	2938865	20.0	21.9	
71 1,1,2-Trichloroethane	83	18.553	18.553	-0.001	92	1909935	20.0	20.4	
72 Tetrachloroethene	166	18.692	18.686	0.006	88	4725517	20.0	21.0	
73 2-Hexanone	43	18.938	18.932	0.006	91	2937185	20.0	20.0	
74 Chlorodibromomethane	129	19.307	19.307	0.000	96	4821729	20.0	22.3	
75 Ethylene Dibromide	107	19.590	19.590	0.000	99	3875155	20.0	21.2	
S 82 Xylenes, Total	106				0		60.0	61.3	
* 76 Chlorobenzene-d5	117	20.436	20.430	0.006	80	3053022	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	98	6143539	20.0	20.5	
78 Ethylbenzene	91	20.601	20.601	0.000	94	8674873	20.0	20.1	
79 n-Nonane	57	20.660	20.655	0.005	82	3458850	20.0	18.9	
80 m-Xylene & p-Xylene	106	20.821	20.821	0.000	96	7451684	40.0	40.4	
83 o-Xylene	106	21.538	21.532	0.006	97	3923558	20.0	20.8	
84 Styrene	104	21.575	21.570	0.005	98	5737755	20.0	21.0	
85 Bromoform	173	21.955	21.950	0.005	98	5452167	20.0	23.5	
86 Isopropylbenzene	105	22.099	22.094	0.005	94	10356587	20.0	20.1	
$ 87 4-Bromofluorobenzene	95	22.436	22.436	0.000	97	2009070	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.661	22.661	0.000	91	4823035	20.0	20.4	
90 N-Propylbenzene	91	22.731	22.731	0.000	97	11296326	20.0	19.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.763	22.763	0.000	86	3689873	20.0	20.2	
93 n-Decane	57	22.843	22.843	0.000	81	4398332	20.0	19.6	
91 4-Ethyltoluene	105	22.896	22.897	-0.001	93	10307652	20.0	20.1	
92 2-Chlorotoluene	91	22.934	22.934	0.000	90	8415712	20.0	20.1	
94 1,3,5-Trimethylbenzene	105	22.993	22.987	0.006	87	8867452	20.0	20.3	
95 Alpha Methyl Styrene	118	23.340	23.341	-0.001	90	3925078	20.0	17.7	
96 tert-Butylbenzene	119	23.469	23.469	0.000	92	9154073	20.0	20.3	
97 1,2,4-Trimethylbenzene	105	23.560	23.560	0.000	95	8982477	20.0	20.4	
98 sec-Butylbenzene	105	23.795	23.795	0.000	96	12402136	20.0	19.8	
99 4-Isopropyltoluene	119	23.999	23.999	-0.001	91	11268593	20.0	20.2	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	97	7372882	20.0	21.7	
101 1,4-Dichlorobenzene	146	24.212	24.213	-0.001	96	7317633	20.0	22.0	
102 Benzyl chloride	91	24.421	24.421	0.000	99	6942988	20.0	25.0	
104 Undecane	57	24.608	24.608	0.000	89	4325990	20.0	19.0	
103 n-Butylbenzene	91	24.635	24.635	0.000	97	8834923	20.0	19.7	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	98	7063418	20.0	21.3	
106 Dodecane	57	26.411	26.406	0.005	91	3909122	20.0	19.0	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	92	5843441	20.0	21.7	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	95	5927691	20.0	21.1	
109 Naphthalene	128	28.289	28.289	0.000	99	10505873	20.0	20.3	
110 1,2,3-Trichlorobenzene	180	28.856	28.856	0.000	94	5288687	20.0	21.6	

QC Flag Legend

Processing Flags
NC - Not Calibrated

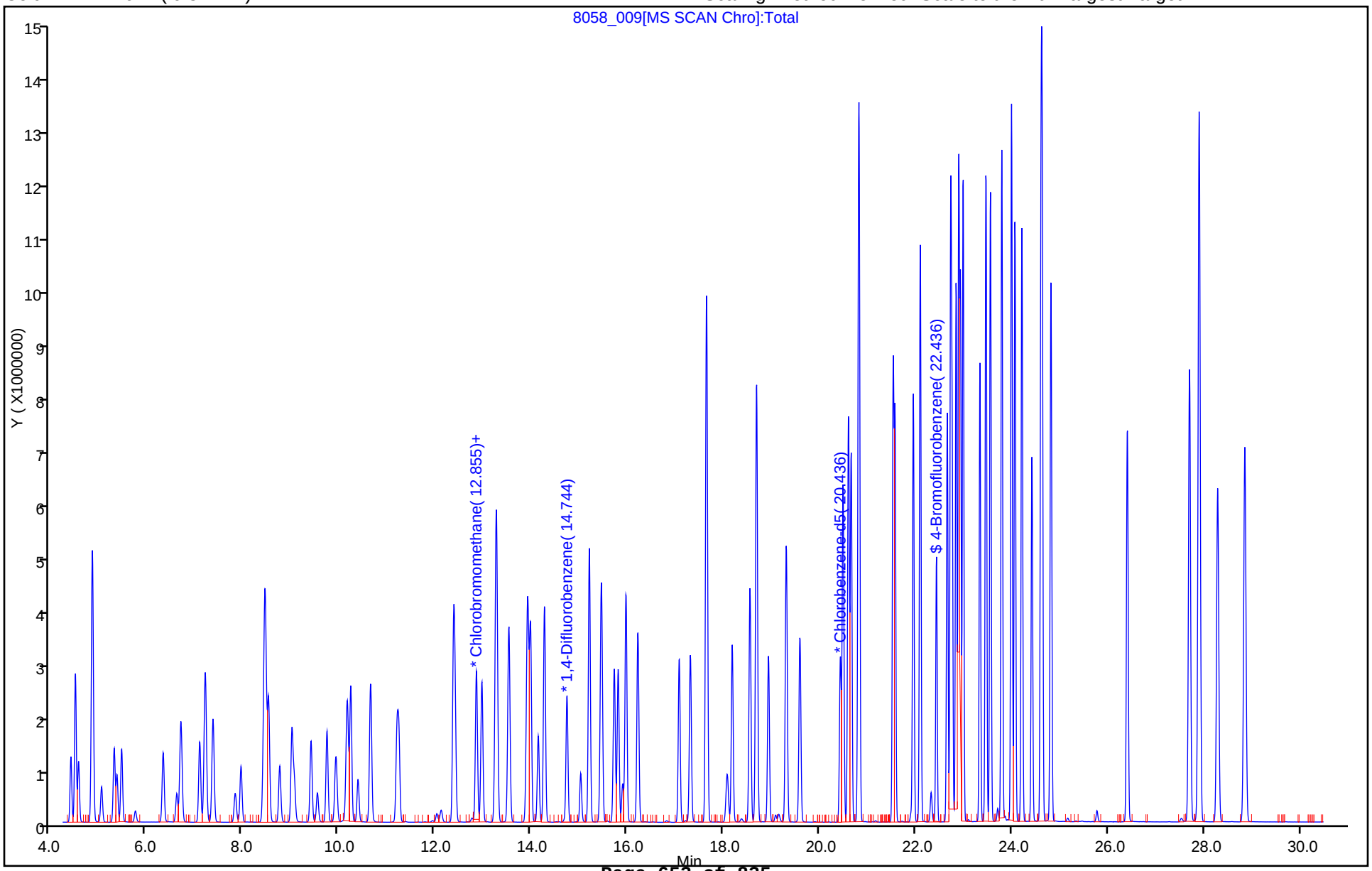
Report Date: 16-Jun-2014 10:40:44 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_009.d

Injection Date:	14-Jun-2014 13:06:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_010.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 14-Jun-2014 13:56:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-010
Misc. Info.: IC-08
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:45 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 10:01:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.408	4.419	-0.011	99	1771444	40.0	33.4	
2 Dichlorodifluoromethane	85	4.504	4.515	-0.011	87	7608629	40.0	36.1	
6 Chlorodifluoromethane	51	4.568	4.579	-0.011	76	3737410	40.0	35.4	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.857	4.863	-0.006	83	7449174	40.0	35.3	
8 Chloromethane	50	5.050	5.061	-0.011	88	2247763	40.0	36.0	
9 Butane	43	5.312	5.323	-0.011	98	3587962	40.0	34.7	
10 Vinyl chloride	62	5.371	5.376	-0.005	81	2850110	40.0	36.8	
11 Butadiene	54	5.467	5.478	-0.011	92	2009737	40.0	36.5	
12 Bromomethane	94	6.334	6.339	-0.005	99	2763377	40.0	35.5	
13 BFB									
14 Chloroethane	64	6.612	6.623	-0.011	96	1664221	40.0	38.0	
15 2-Methylbutane	43	6.698	6.708	-0.010	91	2757769	40.0	33.6	
16 Vinyl bromide	106	7.093	7.099	-0.006	99	3680703	40.0	38.6	
17 Trichlorofluoromethane	101	7.211	7.217	-0.006	86	8531996	40.0	36.7	
18 Pentane	43	7.366	7.377	-0.011	96	4126826	40.0	35.0	
19 Ethanol	45	7.832	7.832	0.000	99	2329022	100.0	77.7	
21 Ethyl ether	59	7.949	7.960	-0.011	92	1961106	40.0	37.2	
22 Acrolein	56	8.415	8.426	-0.011	96	823251	40.0	36.7	
23 1,1,2-Trichloro-1,2,2-trif	101	8.452	8.458	-0.006	91	6592500	40.0	37.0	
24 1,1-Dichloroethene	96	8.527	8.533	-0.006	83	3351521	40.0	38.3	
25 Acetone	43	8.757	8.763	-0.006	90	3381803	40.0	30.7	
26 Carbon disulfide	76	9.014	9.019	-0.005	98	7720723	40.0	35.4	
27 Isopropyl alcohol	45	9.057	9.057	0.000	98	3159644	40.0	34.0	
29 3-Chloro-1-propene	41	9.410	9.415	-0.005	88	3020811	40.0	36.0	
30 Acetonitrile	41	9.544	9.549	-0.005	100	1671451	40.0	35.6	
31 Methylene Chloride	49	9.742	9.747	-0.005	78	2633913	40.0	34.9	
32 2-Methyl-2-propanol	59	9.929	9.929	0.000	99	4872730	40.0	36.3	
33 Methyl tert-butyl ether	73	10.164	10.170	-0.006	95	8803355	40.0	37.7	
S 41 1,2-Dichloroethene, Total	61				0		80.0	73.9	
34 trans-1,2-Dichloroethene	61	10.239	10.244	-0.005	77	3841124	40.0	36.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.389	10.394	-0.005	96	1928594	40.0	37.8	
36 Hexane	57	10.651	10.656	-0.005	87	4239416	40.0	33.3	
37 1,1-Dichloroethane	63	11.202	11.202	0.000	94	5048951	40.0	36.4	
38 Vinyl acetate	43	11.239	11.240	-0.001	99	6139398	40.0	36.1	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	90	3664569	40.0	37.3	
40 2-Butanone (MEK)	72	12.390	12.390	0.000	100	1551517	40.0	33.4	
42 Ethyl acetate	88	12.416	12.416	0.000	98	305628	40.0	39.1	
44 Tetrahydrofuran	42	12.850	12.855	-0.005	87	2674556	40.0	37.1	
* 43 Chlorobromomethane	128	12.860	12.860	0.000	69	721174	10.0	10.0	
45 Chloroform	83	12.967	12.967	0.000	93	6343073	40.0	36.9	
46 Cyclohexane	84	13.262	13.267	-0.005	83	4697055	40.0	37.3	
47 1,1,1-Trichloroethane	97	13.278	13.278	0.000	92	6873978	40.0	38.3	
48 Carbon tetrachloride	117	13.529	13.535	-0.006	90	8010150	40.0	40.7	
51 Isooctane	57	13.925	13.920	0.005	98	13192719	40.0	34.9	
50 Benzene	78	13.984	13.984	0.000	94	9720994	40.0	36.4	
52 1,2-Dichloroethane	62	14.144	14.144	0.000	91	3704274	40.0	37.6	
53 n-Heptane	43	14.273	14.273	0.000	83	4302203	40.0	31.5	
* 54 1,4-Difluorobenzene	114	14.738	14.744	-0.006	92	3400730	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	1210764662	40.0	0	
55 n-Butanol	56	15.027	15.027	0.000	82	1639585	40.0	38.4	
56 Trichloroethene	95	15.209	15.209	0.000	88	4703106	40.0	37.6	
58 1,2-Dichloropropane	63	15.728	15.723	0.005	92	3465686	40.0	37.8	
59 Methyl methacrylate	69	15.808	15.808	0.000	78	3602894	40.0	39.9	
60 1,4-Dioxane	88	15.899	15.899	0.000	84	1657574	40.0	36.0	
61 Dibromomethane	174	15.969	15.969	0.000	85	6160960	40.0	41.6	
62 Dichlorobromomethane	83	16.220	16.215	0.005	94	6999443	40.0	39.3	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	2089349569	40.0	8645.4	
64 cis-1,3-Dichloropropene	75	17.081	17.076	0.005	82	5578997	40.0	40.7	
65 4-Methyl-2-pentanone (MIBK	43	17.311	17.311	0.000	90	5592620	40.0	35.7	
69 n-Octane	43	17.643	17.643	0.000	81	4809017	40.0	27.4	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	48119062	NC	NC	
66 Toluene	92	17.654	17.648	0.006	95	7043017	40.0	32.0	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	48119062	40.0	218.9	
70 trans-1,3-Dichloropropene	75	18.183	18.183	0.000	90	5644203	40.0	41.4	
71 1,1,2-Trichloroethane	83	18.552	18.553	-0.001	91	3639849	40.0	38.4	
72 Tetrachloroethene	166	18.692	18.686	0.006	88	8974952	40.0	39.4	
73 2-Hexanone	43	18.938	18.932	0.006	90	5340909	40.0	35.8	
74 Chlorodibromomethane	129	19.307	19.307	0.000	95	9173337	40.0	42.0	
75 Ethylene Dibromide	107	19.590	19.590	0.000	99	7336033	40.0	39.6	
S 82 Xylenes, Total	106				0		120.0	102.0	
* 76 Chlorobenzene-d5	117	20.436	20.430	0.006	75	3093600	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	97	11284649	40.0	37.1	
78 Ethylbenzene	91	20.607	20.601	0.006	93	15165124	40.0	34.7	
79 n-Nonane	57	20.660	20.655	0.005	79	5873494	40.0	31.6	
80 m-Xylene & p-Xylene	106	20.821	20.821	0.000	94	12208966	80.0	65.3	
83 o-Xylene	106	21.538	21.532	0.006	97	6997225	40.0	36.7	
84 Styrene	104	21.575	21.570	0.005	96	10494982	40.0	37.9	
85 Bromoform	173	21.955	21.950	0.005	96	10083003	40.0	43.0	
86 Isopropylbenzene	105	22.099	22.094	0.005	94	17080367	40.0	32.8	
$ 87 4-Bromofluorobenzene	95	22.436	22.436	0.000	97	2039606	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.661	22.661	0.000	90	8518880	40.0	35.5	
90 N-Propylbenzene	91	22.731	22.731	0.000	94	17592520	40.0	30.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.763	22.763	0.000	84	6356239	40.0	34.4	
93 n-Decane	57	22.848	22.843	0.005	79	7086822	40.0	31.2	
91 4-Ethyltoluene	105	22.902	22.897	0.005	86	16411245	40.0	31.6	
92 2-Chlorotoluene	91	22.939	22.934	0.005	94	14360093	40.0	33.8	
94 1,3,5-Trimethylbenzene	105	22.993	22.987	0.006	88	14795627	40.0	33.4	
95 Alpha Methyl Styrene	118	23.340	23.341	-0.001	89	9423340	40.0	42.0	
96 tert-Butylbenzene	119	23.469	23.469	0.000	89	15413556	40.0	33.8	
97 1,2,4-Trimethylbenzene	105	23.560	23.560	0.000	94	15069740	40.0	33.8	
98 sec-Butylbenzene	105	23.801	23.795	0.006	93	19634253	40.0	30.9	
99 4-Isopropyltoluene	119	23.998	23.999	-0.001	89	18124664	40.0	32.1	
100 1,3-Dichlorobenzene	146	24.073	24.068	0.005	97	12980976	40.0	37.6	
101 1,4-Dichlorobenzene	146	24.218	24.213	0.005	94	13010045	40.0	38.6	
102 Benzyl chloride	91	24.426	24.421	0.005	98	12807793	40.0	45.4	
104 Undecane	57	24.608	24.608	0.000	87	6609261	40.0	28.6	
103 n-Butylbenzene	91	24.640	24.635	0.005	95	13667013	40.0	30.0	
105 1,2-Dichlorobenzene	146	24.822	24.817	0.005	96	12754739	40.0	37.9	
106 Dodecane	57	26.411	26.406	0.005	91	4494545	40.0	21.6	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	92	11463036	40.0	42.0	
108 Hexachlorobutadiene	225	27.909	27.904	0.005	94	11719000	40.0	41.2	
109 Naphthalene	128	28.294	28.289	0.005	98	20124744	40.0	38.4	
110 1,2,3-Trichlorobenzene	180	28.856	28.856	0.000	94	10155190	40.0	40.8	

QC Flag Legend

Processing Flags
NC - Not Calibrated

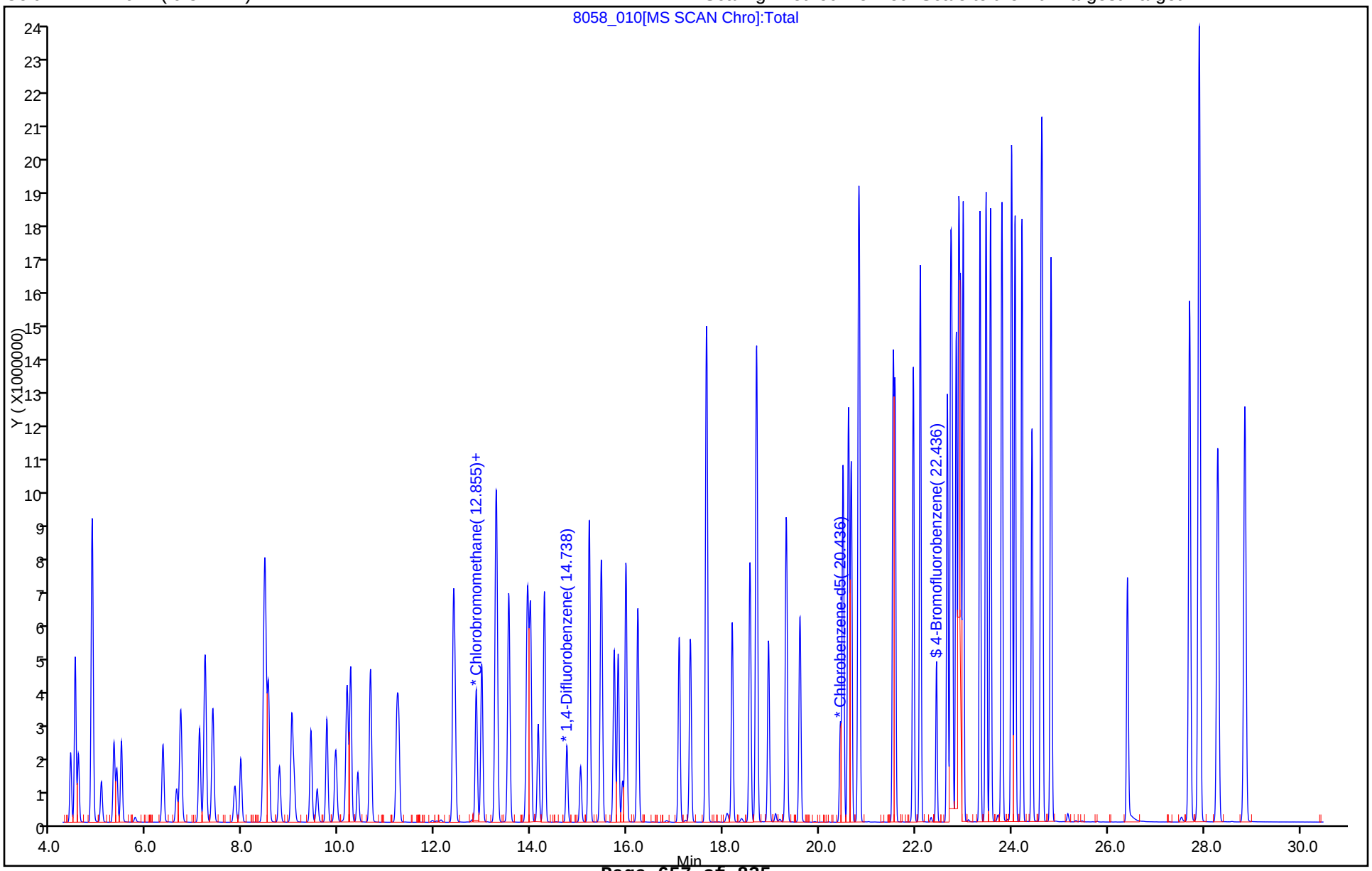
Report Date: 16-Jun-2014 10:40:46 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_010.d

Injection Date:	14-Jun-2014 13:56:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_016.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Jun-2014 23:41:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-016
Misc. Info.: IC-01
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:57 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 09:53:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.424	4.419	0.005	86	5215	0.0401	0.1052	
2 Dichlorodifluoromethane	85	4.510	4.515	-0.005	85	8868	0.0401	0.0450	
6 Chlorodifluoromethane	51	4.579	4.579	0.000	50	6440	0.0401	0.0653	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.863	4.863	0.000	76	8523	0.0401	0.0432	
8 Chloromethane	50	5.061	5.061	0.000	40	2127	0.0401	0.0364	
9 Butane	43	5.307	5.323	-0.016	79	8577	0.0401	0.0887	
10 Vinyl chloride	62	5.376	5.376	0.000	27	2909	0.0401	0.0401	
11 Butadiene	54	5.462	5.478	-0.016	66	2302	0.0401	0.0447	
12 Bromomethane	94	6.339	6.339	0.000	86	3965	0.0401	0.0544	
13 BFB									
14 Chloroethane	64	6.612	6.623	-0.011	54	1816	0.0401	0.0444	
15 2-Methylbutane	43	6.698	6.708	-0.010	67	4664	0.0401	0.0608	
16 Vinyl bromide	106	7.104	7.099	0.005	68	4079	0.0401	0.0457	
17 Trichlorofluoromethane	101	7.211	7.217	-0.006	64	8846	0.0401	0.0406	
18 Pentane	43	7.377	7.377	0.000	84	8954	0.0401	0.0813	
19 Ethanol	45	7.826	7.832	-0.006	76	1070	0.0802	0.0382	
21 Ethyl ether	59	7.976	7.960	0.016	78	1203	0.0401	0.0244	
22 Acrolein	56	8.452	8.426	0.026	1	2963	0.0401	0.1413	
23 1,1,2-Trichloro-1,2,2-trif	101	8.458	8.458	0.000	74	6888	0.0401	0.0413	
24 1,1-Dichloroethene	96	8.527	8.533	-0.006	43	3455	0.0401	0.0422	
25 Acetone	43	8.779	8.763	0.016	89	53117	0.0401	0.5159	
26 Carbon disulfide	76	9.019	9.019	0.000	89	13095	0.0401	0.0642	
27 Isopropyl alcohol	45	9.068	9.057	0.011	90	17919	0.0401	0.2064	
29 3-Chloro-1-propene	41	9.410	9.415	-0.005	51	2662	0.0401	0.0339	
30 Acetonitrile	41	9.565	9.549	0.016	97	3726	0.0401	0.0849	
31 Methylene Chloride	49	9.736	9.747	-0.011	67	6997	0.0401	0.0991	
32 2-Methyl-2-propanol	59	9.934	9.929	0.005	76	6198	0.0401	0.0494	
33 Methyl tert-butyl ether	73	10.186	10.170	0.016	81	8657	0.0401	0.0396	
S 41 1,2-Dichloroethene, Total	61				0		0.0802	0.0662	
34 trans-1,2-Dichloroethene	61	10.239	10.244	-0.005	46	3806	0.0401	0.0388	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.389	10.394	-0.005	71	854	0.0401	0.0179	
36 Hexane	57	10.646	10.656	-0.010	77	7705	0.0401	0.0648	
37 1,1-Dichloroethane	63	11.191	11.202	-0.011	16	5169	0.0401	0.0398	
38 Vinyl acetate	43	11.245	11.240	0.005	84	6651	0.0401	0.0418	
39 cis-1,2-Dichloroethene	96	12.379	12.379	0.000	61	2518	0.0401	0.0274	
40 2-Butanone (MEK)	72	12.406	12.390	0.016	91	4824	0.0401	0.1110	
42 Ethyl acetate	88	12.411	12.416	-0.005	72	58	0.0401	0.007943	
44 Tetrahydrofuran	42	12.882	12.855	0.027	28	3860	0.0401	0.0548	
* 43 Chlorobromomethane	128	12.855	12.860	-0.005	73	674539	10.0	10.0	
45 Chloroform	83	12.962	12.967	-0.005	56	4668	0.0401	0.0291	
46 Cyclohexane	84	13.267	13.267	0.000	69	3393	0.0401	0.0276	
47 1,1,1-Trichloroethane	97	13.278	13.278	0.000	66	6554	0.0401	0.0374	
48 Carbon tetrachloride	117	13.529	13.535	-0.006	74	7713	0.0401	0.0401	
51 Isooctane	57	13.920	13.920	0.000	94	15910	0.0401	0.0432	
50 Benzene	78	13.979	13.984	-0.005	75	14050	0.0401	0.0540	
52 1,2-Dichloroethane	62	14.144	14.144	0.000	57	3981	0.0401	0.0414	
53 n-Heptane	43	14.262	14.273	-0.011	75	5562	0.0401	0.0418	
* 54 1,4-Difluorobenzene	114	14.733	14.744	-0.011	92	3318433	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	4257532	0.0401	0	
55 n-Butanol	56	15.038	15.027	0.011	65	4709	0.0401	0.1129	
56 Trichloroethene	95	15.204	15.209	-0.005	67	5503	0.0401	0.0451	M
58 1,2-Dichloropropane	63	15.723	15.723	0.000	63	3667	0.0401	0.0410	
59 Methyl methacrylate	69	15.808	15.808	0.000	73	3906	0.0401	0.0443	
60 1,4-Dioxane	88	15.915	15.899	0.016	63	5823	0.0401	0.1295	
61 Dibromomethane	174	15.969	15.969	0.000	74	6888	0.0401	0.0476	
62 Dichlorobromomethane	83	16.209	16.215	-0.006	74	6566	0.0401	0.0378	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	6087392	0.0401	25.8	
64 cis-1,3-Dichloropropene	75	17.076	17.076	0.000	51	5029	0.0401	0.0376	
65 4-Methyl-2-pentanone (MIBK	43	17.317	17.311	0.006	74	6168	0.0401	0.0403	
69 n-Octane	43	17.643	17.643	0.000	77	11485	0.0401	0.0671	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	90055	NC	NC	
66 Toluene	92	17.643	17.648	-0.005	80	11282	0.0401	0.0539	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	90055	0.0401	0.4301	
70 trans-1,3-Dichloropropene	75	18.173	18.183	-0.010	56	4709	0.0401	0.0354	
71 1,1,2-Trichloroethane	83		18.553					ND	
72 Tetrachloroethene	166	18.686	18.686	0.000	82	9162	0.0401	0.0422	
73 2-Hexanone	43	18.943	18.932	0.011	77	6364	0.0401	0.0448	
74 Chlorodibromomethane	129	19.302	19.307	-0.005	66	7388	0.0401	0.0355	
75 Ethylene Dibromide	107	19.596	19.590	0.006	75	7559	0.0401	0.0428	
S 82 Xylenes, Total	106				0		0.1203	0.1372	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2946392	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	53	13978	0.0401	0.0483	
78 Ethylbenzene	91	20.601	20.601	0.000	72	19856	0.0401	0.0477	
79 n-Nonane	57	20.655	20.655	0.000	80	11387	0.0401	0.0643	
80 m-Xylene & p-Xylene	106	20.821	20.821	0.000	99	16530	0.0802	0.0929	
83 o-Xylene	106	21.532	21.532	0.000	74	8059	0.0401	0.0443	
84 Styrene	104	21.570	21.570	0.000	87	10518	0.0401	0.0399	
85 Bromoform	173	21.955	21.950	0.005	90	8051	0.0401	0.0360	
86 Isopropylbenzene	105	22.099	22.094	0.005	78	22116	0.0401	0.0445	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	97	1870631	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.661	22.661	0.000	82	12332	0.0401	0.0540	
90 N-Propylbenzene	91	22.725	22.731	-0.006	95	30692	0.0401	0.0554	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.757	22.763	-0.006	85	10444	0.0401	0.0593	
93 n-Decane	57	22.843	22.843	0.000	82	14919	0.0401	0.0691	
91 4-Ethyltoluene	105	22.897	22.897	0.000	78	28626	0.0401	0.0579	
92 2-Chlorotoluene	91	22.934	22.934	0.000	80	23490	0.0401	0.0581	
94 1,3,5-Trimethylbenzene	105	22.987	22.987	0.000	74	20171	0.0401	0.0478	
95 Alpha Methyl Styrene	118	23.335	23.341	-0.006	87	10653	0.0401	0.0499	
96 tert-Butylbenzene	119	23.464	23.469	-0.005	82	18691	0.0401	0.0430	
97 1,2,4-Trimethylbenzene	105	23.555	23.560	-0.005	85	22413	0.0401	0.0528	
98 sec-Butylbenzene	105	23.795	23.795	0.000	92	27940	0.0401	0.0462	
99 4-Isopropyltoluene	119	23.993	23.999	-0.006	77	24782	0.0401	0.0461	
100 1,3-Dichlorobenzene	146	24.063	24.068	-0.005	94	22180	0.0401	0.0675	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	93	21769	0.0401	0.0678	
102 Benzyl chloride	91	24.416	24.421	-0.005	88	14840	0.0401	0.0553	
104 Undecane	57	24.608	24.608	0.000	86	15203	0.0401	0.0690	
103 n-Butylbenzene	91	24.635	24.635	0.000	90	29841	0.0401	0.0689	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	94	25891	0.0401	0.0808	
106 Dodecane	57	26.406	26.406	0.000	86	13501	0.0401	0.0681	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	87	41479	0.0401	0.1597	
108 Hexachlorobutadiene	225	27.898	27.904	-0.006	81	15364	0.0401	0.0567	
109 Naphthalene	128	28.289	28.289	0.000	97	61189	0.0401	0.1226	
110 1,2,3-Trichlorobenzene	180	28.851	28.856	-0.005	90	39293	0.0401	0.1659	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

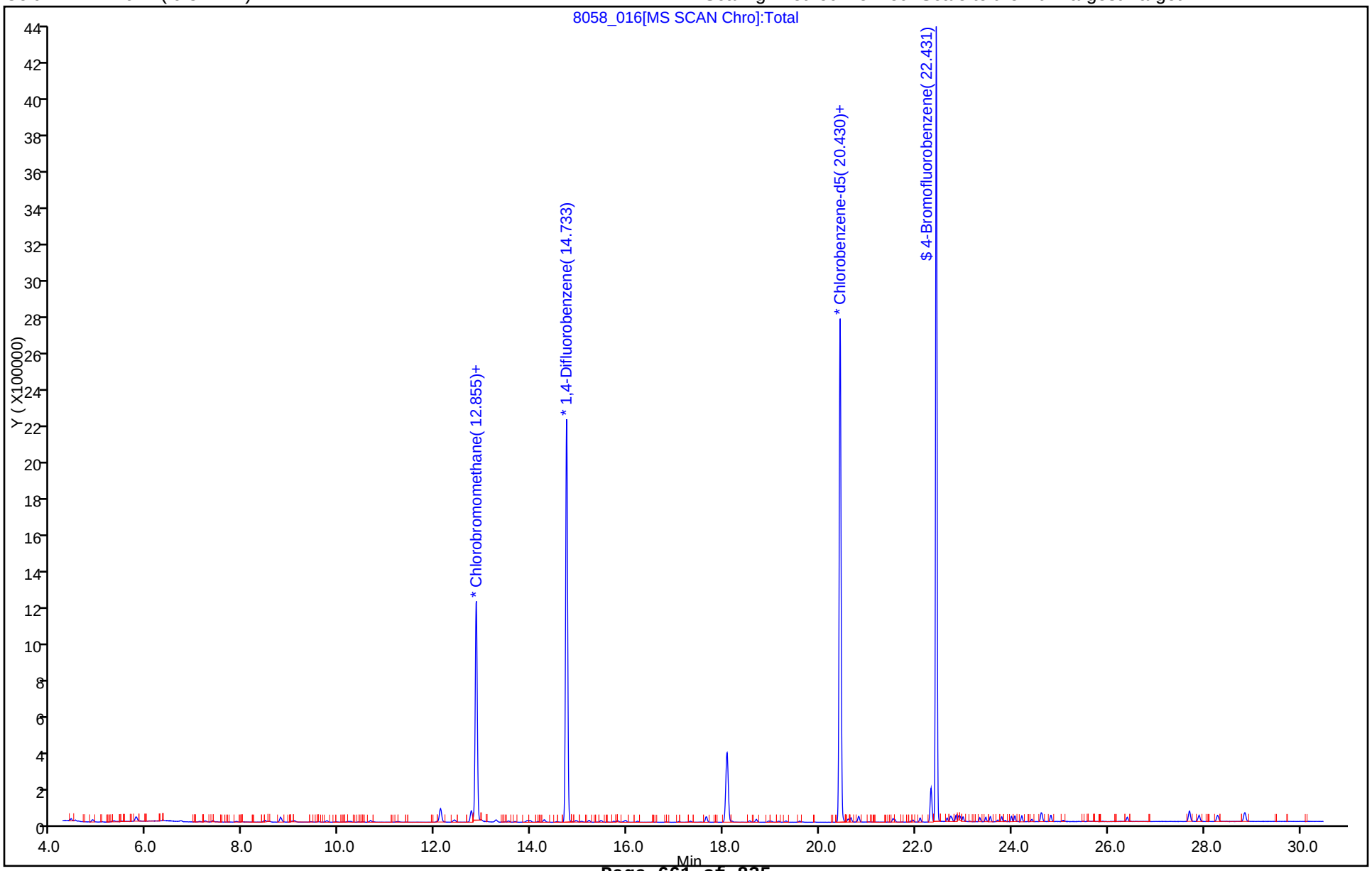
Report Date: 16-Jun-2014 10:40:57 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_016.d

Injection Date:	14-Jun-2014 23:41:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	16
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

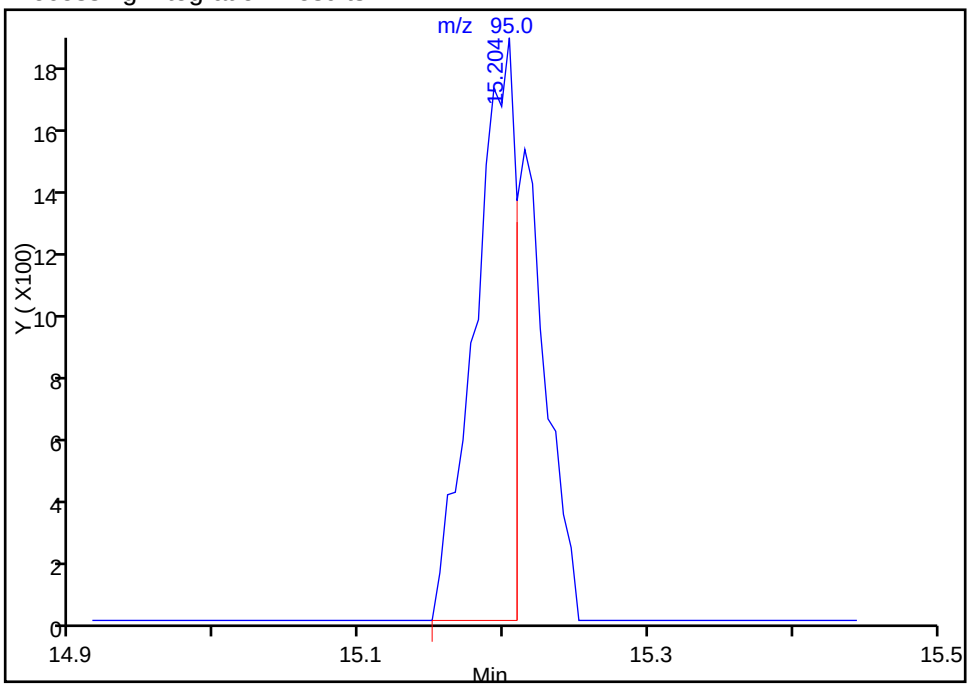
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_016.d				
Injection Date:	14-Jun-2014 23:41:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	PAD	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

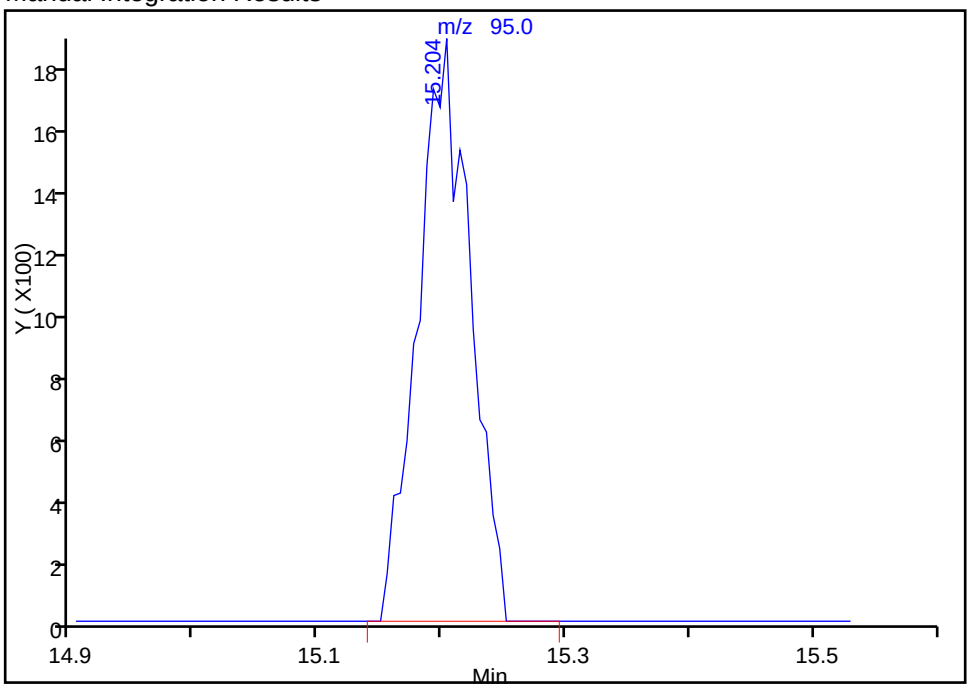
Processing Integration Results

RT: 15.20
Response: 3677
Amount: 0.031627



Manual Integration Results

RT: 15.20
Response: 5503
Amount: 0.045123



Reviewer: daiglep, 16-Jun-2014 09:53:40
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 15-Jun-2014 00:33:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-017
Misc. Info.: IC-02
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 17-Jun-2014 09:23:32 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: daiglep Date: 16-Jun-2014 09:54:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.419	4.419	0.000	93	15126	0.2004	0.3438	
2 Dichlorodifluoromethane	85	4.499	4.515	-0.016	86	40134	0.2004	0.2292	
6 Chlorodifluoromethane	51	4.569	4.579	-0.011	66	23149	0.2004	0.2644	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.852	4.863	-0.011	88	39355	0.2004	0.2246	
8 Chloromethane	50	5.045	5.061	-0.016	82	14720	0.2004	0.2841	
9 Butane	43	5.307	5.323	-0.016	98	31995	0.2004	0.3727	
10 Vinyl chloride	62	5.371	5.376	-0.005	67	13826	0.2004	0.2149	
11 Butadiene	54	5.462	5.478	-0.016	90	9568	0.2004	0.2092	
12 Bromomethane	94	6.329	6.339	-0.010	90	15004	0.2004	0.2321	
13 BFB									
14 Chloroethane	64	6.612	6.623	-0.011	74	8470	0.2004	0.2331	
15 2-Methylbutane	43	6.703	6.708	-0.005	88	17811	0.2004	0.2617	
16 Vinyl bromide	106	7.094	7.099	-0.005	94	17540	0.2004	0.2215	
17 Trichlorofluoromethane	101	7.206	7.217	-0.011	83	43494	0.2004	0.2251	
18 Pentane	43	7.366	7.377	-0.011	96	35013	0.2004	0.3581	
19 Ethanol	45	7.821	7.832	-0.011	94	21750	0.4009	0.8736	
21 Ethyl ether	59	7.966	7.960	0.006	90	9356	0.2004	0.2138	
22 Acrolein	56	8.420	8.426	-0.006	76	9299	0.2004	0.4995	
23 1,1,2-Trichloro-1,2,2-trif	101	8.447	8.458	-0.011	92	33835	0.2004	0.2285	
24 1,1-Dichloroethene	96	8.522	8.533	-0.011	79	16097	0.2004	0.2217	
25 Acetone	43	8.763	8.763	0.000	89	151797	0.2004	1.66	
26 Carbon disulfide	76	9.009	9.019	-0.010	99	51147	0.2004	0.2826	
27 Isopropyl alcohol	45	9.041	9.057	-0.016	93	31827	0.2004	0.4129	
29 3-Chloro-1-propene	41	9.405	9.415	-0.010	86	14345	0.2004	0.2058	
30 Acetonitrile	41	9.549	9.549	0.000	97	16532	0.2004	0.4241	
31 Methylene Chloride	49	9.747	9.747	0.000	81	18228	0.2004	0.2907	
32 2-Methyl-2-propanol	59	9.908	9.929	-0.021	92	23844	0.2004	0.2142	
33 Methyl tert-butyl ether	73	10.159	10.170	-0.011	92	41521	0.2004	0.2139	
S 41 1,2-Dichloroethene, Total	61				0		0.4009	0.4406	
34 trans-1,2-Dichloroethene	61	10.234	10.244	-0.010	77	19118	0.2004	0.2194	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.389	10.394	-0.005	92	8354	0.2004	0.1970	
36 Hexane	57	10.646	10.656	-0.010	85	31992	0.2004	0.3030	
37 1,1-Dichloroethane	63	11.191	11.202	-0.011	84	25071	0.2004	0.2176	
38 Vinyl acetate	43	11.234	11.240	-0.006	97	29014	0.2004	0.2056	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	81	18059	0.2004	0.2212	
40 2-Butanone (MEK)	72	12.390	12.390	0.000	100	18756	0.2004	0.4862	
42 Ethyl acetate	88	12.411	12.416	-0.005	93	1524	0.2004	0.2351	
44 Tetrahydrofuran	42	12.861	12.855	0.006	50	15114	0.2004	0.2430	
* 43 Chlorobromomethane	128	12.850	12.860	-0.010	74	598838	10.0	10.0	
45 Chloroform	83	12.962	12.967	-0.005	97	31142	0.2004	0.2184	
46 Cyclohexane	84	13.256	13.267	-0.011	85	24186	0.2004	0.2225	
47 1,1,1-Trichloroethane	97	13.272	13.278	-0.006	89	33683	0.2004	0.2174	
48 Carbon tetrachloride	117	13.524	13.535	-0.011	89	35388	0.2004	0.2084	
51 Isooctane	57	13.920	13.920	0.000	97	72781	0.2004	0.2236	
50 Benzene	78	13.973	13.984	-0.011	90	53777	0.2004	0.2337	
52 1,2-Dichloroethane	62	14.139	14.144	-0.005	91	18375	0.2004	0.2163	
53 n-Heptane	43	14.268	14.273	-0.005	86	35562	0.2004	0.3025	
* 54 1,4-Difluorobenzene	114	14.733	14.744	-0.011	92	2932185	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	11190872	0.2004	0	
55 n-Butanol	56	15.033	15.027	0.006	72	14717	0.2004	0.3995	
56 Trichloroethene	95	15.209	15.209	0.000	89	22936	0.2004	0.2128	
58 1,2-Dichloropropane	63	15.723	15.723	0.000	88	17033	0.2004	0.2157	
59 Methyl methacrylate	69	15.798	15.808	-0.010	81	15251	0.2004	0.1959	
60 1,4-Dioxane	88	15.905	15.899	0.006	80	14382	0.2004	0.3621	
61 Dibromomethane	174	15.963	15.969	-0.006	86	27649	0.2004	0.2164	
62 Dichlorobromomethane	83	16.209	16.215	-0.006	91	30880	0.2004	0.2013	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	16014775	0.2004	76.9	
64 cis-1,3-Dichloropropene	75	17.076	17.076	0.000	79	22851	0.2004	0.1932	
65 4-Methyl-2-pentanone (MIBK	43	17.306	17.311	-0.005	90	27362	0.2004	0.2024	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	354671	NC	NC	
69 n-Octane	43	17.643	17.643	0.000	79	43409	0.2004	0.2870	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	354671	0.2004	1.89	
66 Toluene	92	17.643	17.648	-0.005	92	46690	0.2004	0.2488	
70 trans-1,3-Dichloropropene	75	18.173	18.183	-0.010	88	21571	0.2004	0.1834	
71 1,1,2-Trichloroethane	83	18.547	18.553	-0.006	93	17536	0.2004	0.2167	
72 Tetrachloroethene	166	18.686	18.686	0.000	88	42526	0.2004	0.2188	
73 2-Hexanone	43	18.932	18.932	0.000	90	24457	0.2004	0.1921	
74 Chlorodibromomethane	129	19.302	19.307	-0.005	94	35159	0.2004	0.1884	
75 Ethylene Dibromide	107	19.585	19.590	-0.005	93	32249	0.2004	0.2039	
S 82 Xylenes, Total	106				0		0.6013	0.6558	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2640824	10.0	10.0	
77 Chlorobenzene	112	20.484	20.489	-0.005	43	57712	0.2004	0.2225	
78 Ethylbenzene	91	20.596	20.601	-0.005	95	83407	0.2004	0.2235	
79 n-Nonane	57	20.655	20.655	0.000	83	42449	0.2004	0.2676	
80 m-Xylene & p-Xylene	106	20.821	20.821	0.000	98	70917	0.4009	0.4447	
83 o-Xylene	106	21.527	21.532	-0.005	92	34397	0.2004	0.2112	
84 Styrene	104	21.570	21.570	0.000	97	42532	0.2004	0.1800	
85 Bromoform	173	21.944	21.950	-0.006	99	33576	0.2004	0.1676	
86 Isopropylbenzene	105	22.094	22.094	0.000	93	100381	0.2004	0.2256	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	97	1686620	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.656	22.661	-0.005	90	42339	0.2004	0.2068	
90 N-Propylbenzene	91	22.731	22.731	0.000	99	112425	0.2004	0.2263	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.758	22.763	-0.005	91	35069	0.2004	0.2221	
93 n-Decane	57	22.838	22.843	-0.005	85	51638	0.2004	0.2667	
91 4-Ethyltoluene	105	22.897	22.897	0.000	85	97551	0.2004	0.2203	
92 2-Chlorotoluene	91	22.934	22.934	0.000	91	78772	0.2004	0.2175	
94 1,3,5-Trimethylbenzene	105	22.988	22.987	0.001	86	81446	0.2004	0.2154	
95 Alpha Methyl Styrene	118	23.335	23.341	-0.006	89	31387	0.2004	0.1641	
96 tert-Butylbenzene	119	23.464	23.469	-0.005	91	86788	0.2004	0.2230	
97 1,2,4-Trimethylbenzene	105	23.555	23.560	-0.005	95	80906	0.2004	0.2128	
98 sec-Butylbenzene	105	23.795	23.795	0.000	98	122936	0.2004	0.2266	
99 4-Isopropyltoluene	119	23.993	23.999	-0.006	89	104819	0.2004	0.2175	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	55608	0.2004	0.1888	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	52544	0.2004	0.1826	
102 Benzyl chloride	91	24.421	24.421	0.000	98	32111	0.2004	0.1335	
104 Undecane	57	24.603	24.608	-0.005	93	52531	0.2004	0.2661	
103 n-Butylbenzene	91	24.630	24.635	-0.005	97	83439	0.2004	0.2148	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	97	56937	0.2004	0.1983	
106 Dodecane	57	26.411	26.406	0.005	93	38968	0.2004	0.2193	
107 1,2,4-Trichlorobenzene	180	27.711	27.706	0.005	84	29209	0.2004	0.1255	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	90	48847	0.2004	0.2010	
109 Naphthalene	128	28.294	28.289	0.005	93	29760	0.2004	0.0666	
110 1,2,3-Trichlorobenzene	180	28.851	28.856	-0.005	87	32670	0.2004	0.1539	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL1w_00094	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

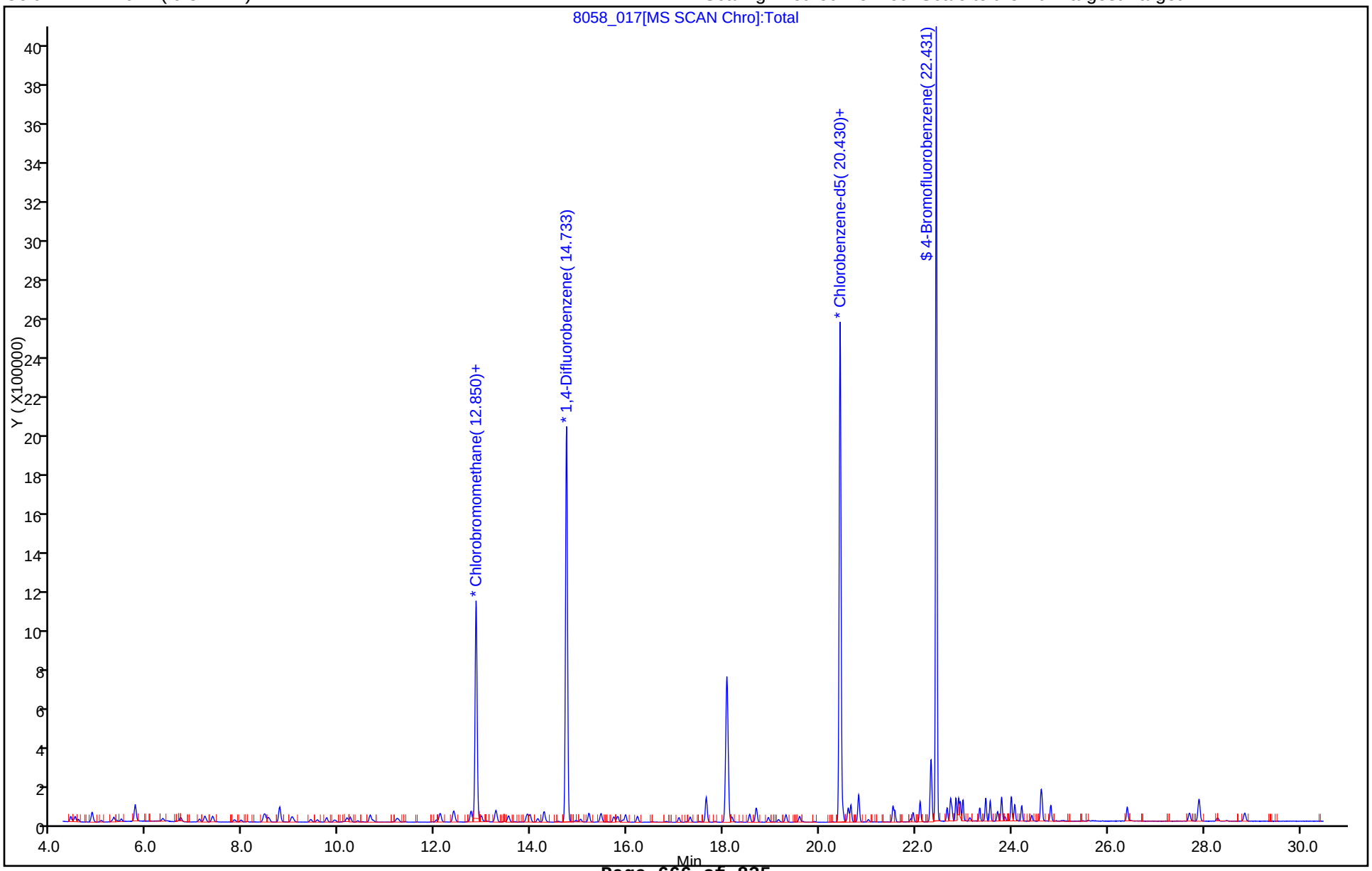
Report Date: 17-Jun-2014 09:23:32 Chrom Revision: 2.2 12-Jun-2014 08:49:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Injection Date:	15-Jun-2014 00:33:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	17
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7346	0.7034		9.57	10.0	-4.2	30.0
Freon 12	Ave	2.924	3.023		10.3	10.0	3.4	30.0
Freon 22	Ave	1.462	1.498		10.2	10.0	2.5	30.0
Freon-114	Ave	2.926	3.348		11.4	10.0	14.4	30.0
Chloromethane	Ave	0.8652	0.8644		9.99	10.0	-0.0	30.0
n-Butane	Ave	1.434	1.464		10.2	10.0	2.1	30.0
Vinyl chloride	Ave	1.075	1.089		10.1	10.0	1.3	30.0
1,3-Butadiene	Ave	0.7639	0.7823		10.2	10.0	2.4	30.0
Bromomethane	Ave	1.080	1.107		10.3	10.0	2.5	30.0
Chloroethane	Ave	0.6068	0.6103		10.1	10.0	0.6	30.0
Isopentane	Ave	1.136	1.188		10.5	10.0	4.5	30.0
Vinyl bromide	Ave	1.323	1.348		10.2	10.0	1.9	30.0
Freon 11	Ave	3.226	3.282		10.2	10.0	1.7	30.0
n-Pentane	Ave	1.633	1.862		11.4	10.0	14.0	30.0
Ethanol	Ave	0.4158	0.4073		14.7	15.0	-2.0	30.0
Ethyl ether	Ave	0.7309	0.8331		11.4	10.0	14.0	30.0
Acrolein	Ave	0.3109	0.3913		12.6	10.0	25.8	30.0
Freon 113	Ave	2.473	2.567		10.4	10.0	3.8	30.0
1,1-Dichloroethene	Ave	1.213	1.247		10.3	10.0	2.8	30.0
Acetone	Ave	1.526	1.745		11.4	10.0	14.3	30.0
Carbon disulfide	Ave	3.022	3.463		11.5	10.0	14.6	30.0
Isopropyl alcohol	Ave	1.287	1.223		9.50	10.0	-5.0	30.0
Allyl chloride	Ave	1.164	1.159		9.95	10.0	-0.4	30.0
Acetonitrile	Ave	0.6509	0.6968		10.7	10.0	7.1	30.0
Methylene Chloride	Ave	1.047	1.064		10.2	10.0	1.6	30.0
tert-Butyl alcohol	Ave	1.859	1.866		10.0	10.0	0.4	30.0
Methyl tert-butyl ether	Ave	3.241	3.401		10.5	10.0	4.9	30.0
trans-1,2-Dichloroethene	Ave	1.455	1.607		11.0	10.0	10.4	30.0
Acrylonitrile	Ave	0.7082	0.7738		10.9	10.0	9.3	30.0
Hexane	Ave	1.763	1.822		10.3	10.0	3.3	30.0
1,1-Dichloroethane	Ave	1.924	2.033		10.6	10.0	5.7	30.0
Vinyl acetate	Ave	2.357	2.402		10.2	10.0	1.9	30.0
cis-1,2-Dichloroethene	Ave	1.363	1.398		10.3	10.0	2.6	30.0
Methyl Ethyl Ketone	Ave	0.6442	0.6493		10.1	10.0	0.8	30.0
Ethyl acetate	Ave	0.1082	0.1250		11.5	10.0	15.4	30.0
Tetrahydrofuran	Ave	0.2121	0.2299		10.8	10.0	8.4	30.0
Chloroform	Ave	2.381	2.495		10.5	10.0	4.8	30.0
Cyclohexane	Ave	0.3707	0.3922		10.6	10.0	5.8	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5583		10.6	10.0	5.7	30.0
Carbon tetrachloride	Ave	0.5791	0.6220		10.7	10.0	7.4	30.0
2,2,4-Trimethylpentane	Ave	1.110	1.162		10.5	10.0	4.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.7846	0.8178		10.4	10.0	4.2	30.0
1,2-Dichloroethane	Ave	0.2897	0.3020		10.4	10.0	4.3	30.0
Heptane	Ave	0.4010	0.3860		9.63	10.0	-3.7	30.0
n-Butanol	Ave	0.1256	0.1263		10.0	10.0	0.5	30.0
Trichloroethene	Ave	0.3675	0.3796		10.3	10.0	3.3	30.0
1,2-Dichloropropane	Ave	0.2693	0.2786		10.3	10.0	3.5	30.0
Methyl methacrylate	Ave	0.2655	0.2897		10.9	10.0	9.1	30.0
1,4-Dioxane	Ave	0.1355	0.1362		10.1	10.0	0.6	30.0
Dibromomethane	Ave	0.4358	0.4557		10.5	10.0	4.6	30.0
Bromodichloromethane	Ave	0.5232	0.5583		10.7	10.0	6.7	30.0
cis-1,3-Dichloropropene	Ave	0.4034	0.4421		11.0	10.0	9.6	30.0
methyl isobutyl ketone	Ave	0.4611	0.4884		10.6	10.0	5.9	30.0
n-Octane	Ave	0.5158	0.5182		10.0	10.0	0.5	30.0
Toluene	Ave	0.7106	0.7024		9.88	10.0	-1.2	30.0
trans-1,3-Dichloropropene	Ave	0.4011	0.4413		11.0	10.0	10.0	30.0
1,1,2-Trichloroethane	Ave	0.3064	0.3240		10.6	10.0	5.7	30.0
Tetrachloroethene	Ave	0.7360	0.7747		10.5	10.0	5.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4820	0.5076		10.5	10.0	5.3	30.0
Dibromochloromethane	Ave	0.7067	0.7593		10.7	10.0	7.4	30.0
1,2-Dibromoethane	Ave	0.5988	0.6410		10.7	10.0	7.1	30.0
Chlorobenzene	Ave	0.9822	1.032		10.5	10.0	5.1	30.0
Ethylbenzene	Ave	1.413	1.495		10.6	10.0	5.8	30.0
n-Nonane	Ave	0.6008	0.6151		10.2	10.0	2.4	30.0
m,p-Xylene	Ave	0.6039	0.6528		21.6	20.0	8.1	30.0
Xylene, o-	Ave	0.6168	0.6484		10.5	10.0	5.1	30.0
Styrene	Ave	0.8948	0.9678		10.8	10.0	8.2	30.0
Bromoform	Ave	0.7586	0.8602		11.3	10.0	13.4	30.0
Cumene	Ave	1.685	1.805		10.7	10.0	7.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7754	0.8554		11.0	10.0	10.3	30.0
n-Propylbenzene	Ave	1.881	2.041		10.8	10.0	8.5	30.0
1,2,3-Trichloropropane	Ave	0.5980	0.6422		10.7	10.0	7.4	30.0
n-Decane	Ave	0.7332	0.8118		11.1	10.0	10.7	30.0
4-Ethyltoluene	Ave	1.677	1.874		11.2	10.0	11.8	30.0
2-Chlorotoluene	Ave	1.371	1.468		10.7	10.0	7.1	30.0
1,3,5-Trimethylbenzene	Ave	1.432	1.557		10.9	10.0	8.7	30.0
Alpha Methyl Styrene	Ave	0.7245	0.7078		9.77	10.0	-2.3	30.0
tert-Butylbenzene	Ave	1.474	1.594		10.8	10.0	8.2	30.0
1,2,4-Trimethylbenzene	Ave	1.440	1.570		10.9	10.0	9.0	30.0
sec-Butylbenzene	Ave	2.055	2.241		10.9	10.0	9.1	30.0
4-Isopropyltoluene	Ave	1.825	2.025		11.1	10.0	11.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.115	1.250		11.2	10.0	12.1	30.0
1,4-Dichlorobenzene	Ave	1.090	1.228		11.3	10.0	12.7	30.0
Benzyl chloride	Ave	0.9111	1.082		11.9	10.0	18.8	30.0
n-Undecane	Ave	0.7476	0.8986		12.0	10.0	20.2	30.0
n-Butylbenzene	Ave	1.471	1.639		11.1	10.0	11.5	30.0
1,2-Dichlorobenzene	Ave	1.088	1.198		11.0	10.0	10.2	30.0
n-Dodecane	Ave	0.6729	0.8562		12.7	10.0	27.2	30.0
1,2,4-Trichlorobenzene	Ave	0.8812	0.9950		11.3	10.0	12.9	30.0
Hexachloro-1,3-butadiene	Ave	0.9202	1.042		11.3	10.0	13.2	30.0
Naphthalene	Ave	1.693	1.723		10.2	10.0	1.7	30.0
1,2,3-Trichlorobenzene	Ave	0.8037	0.9059		11.3	10.0	12.7	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_019.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 15-Jun-2014 02:11:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-019
Misc. Info.: ICV
Operator ID: PAD Instrument ID: CHW.i
Sublist:

Method: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:59 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 10:37:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.413	4.419	-0.006	98	465841	10.0	9.57	
2 Dichlorodifluoromethane	85	4.510	4.515	-0.005	88	2001732	10.0	10.3	
6 Chlorodifluoromethane	51	4.574	4.579	-0.005	76	992349	10.0	10.2	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.857	4.863	-0.006	90	2216988	10.0	11.4	
8 Chloromethane	50	5.050	5.061	-0.011	89	572439	10.0	9.99	
9 Butane	43	5.317	5.323	-0.006	98	969283	10.0	10.2	
10 Vinyl chloride	62	5.371	5.376	-0.005	81	720854	10.0	10.1	
11 Butadiene	54	5.467	5.478	-0.011	93	518091	10.0	10.2	
12 Bromomethane	94	6.339	6.339	0.000	99	733178	10.0	10.3	
13 BFB									
14 Chloroethane	64	6.617	6.623	-0.006	96	404155	10.0	10.1	
15 2-Methylbutane	43	6.703	6.708	-0.005	92	786743	10.0	10.5	
16 Vinyl bromide	106	7.093	7.099	-0.006	98	892909	10.0	10.2	
17 Trichlorofluoromethane	101	7.211	7.217	-0.006	87	2173294	10.0	10.2	
18 Pentane	43	7.372	7.377	-0.005	96	1233099	10.0	11.4	
19 Ethanol	45	7.826	7.832	-0.006	99	404791	15.0	14.7	
21 Ethyl ether	59	7.955	7.960	-0.005	94	551700	10.0	11.4	
22 Acrolein	56	8.415	8.426	-0.011	97	259102	10.0	12.6	
23 1,1,2-Trichloro-1,2,2-trif	101	8.452	8.458	-0.006	92	1700126	10.0	10.4	
24 1,1-Dichloroethene	96	8.527	8.533	-0.006	85	825945	10.0	10.3	
25 Acetone	43	8.757	8.763	-0.006	89	1155457	10.0	11.4	
26 Carbon disulfide	76	9.014	9.019	-0.005	98	2293366	10.0	11.5	
27 Isopropyl alcohol	45	9.051	9.057	-0.006	98	809979	10.0	9.50	
29 3-Chloro-1-propene	41	9.410	9.415	-0.005	90	767338	10.0	9.95	
30 Acetonitrile	41	9.544	9.549	-0.005	99	461455	10.0	10.7	
31 Methylene Chloride	49	9.742	9.747	-0.005	81	704720	10.0	10.2	
32 2-Methyl-2-propanol	59	9.918	9.929	-0.011	99	1235774	10.0	10.0	
33 Methyl tert-butyl ether	73	10.164	10.170	-0.006	96	2251990	10.0	10.5	
S 41 1,2-Dichloroethene, Total	61				0		20.0	21.3	
34 trans-1,2-Dichloroethene	61	10.239	10.244	-0.005	80	1064258	10.0	11.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Acrylonitrile	53	10.389	10.394	-0.005	96	512471	10.0	10.9	
36 Hexane	57	10.651	10.656	-0.005	89	1206454	10.0	10.3	
37 1,1-Dichloroethane	63	11.202	11.202	0.000	94	1346382	10.0	10.6	
38 Vinyl acetate	43	11.234	11.240	-0.006	99	1590795	10.0	10.2	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	92	926057	10.0	10.3	
40 2-Butanone (MEK)	72	12.390	12.390	0.000	99	429988	10.0	10.1	
42 Ethyl acetate	88	12.406	12.416	-0.010	97	82758	10.0	11.5	
44 Tetrahydrofuran	42	12.850	12.855	-0.005	89	738703	10.0	10.8	
* 43 Chlorobromomethane	128	12.855	12.860	-0.005	83	662374	10.0	10.0	
45 Chloroform	83	12.967	12.967	0.000	94	1652058	10.0	10.5	
46 Cyclohexane	84	13.262	13.267	-0.005	86	1260307	10.0	10.6	
47 1,1,1-Trichloroethane	97	13.272	13.278	-0.006	92	1793906	10.0	10.6	
48 Carbon tetrachloride	117	13.529	13.535	-0.006	89	1998496	10.0	10.7	
51 Isooctane	57	13.920	13.920	0.000	99	3733718	10.0	10.5	
50 Benzene	78	13.979	13.984	-0.005	92	2627776	10.0	10.4	
52 1,2-Dichloroethane	62	14.139	14.144	-0.005	91	970495	10.0	10.4	
53 n-Heptane	43	14.267	14.273	-0.006	86	1240396	10.0	9.63	
* 54 1,4-Difluorobenzene	114	14.738	14.744	-0.006	92	3213738	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	328187431	10.0	0	
55 n-Butanol	56	15.022	15.027	-0.005	84	405709	10.0	10.0	
56 Trichloroethene	95	15.204	15.209	-0.005	89	1219593	10.0	10.3	
58 1,2-Dichloropropane	63	15.723	15.723	0.000	92	895297	10.0	10.3	
59 Methyl methacrylate	69	15.803	15.808	-0.005	80	930865	10.0	10.9	
60 1,4-Dioxane	88	15.899	15.899	0.000	85	437706	10.0	10.1	
61 Dibromomethane	174	15.969	15.969	0.000	87	1464096	10.0	10.5	
62 Dichlorobromomethane	83	16.215	16.215	0.000	95	1793984	10.0	10.7	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	581153921	10.0	2544.7	
64 cis-1,3-Dichloropropene	75	17.076	17.076	0.000	83	1420366	10.0	11.0	
65 4-Methyl-2-pentanone (MIBK	43	17.306	17.311	-0.005	93	1569244	10.0	10.6	
69 n-Octane	43	17.643	17.643	0.000	86	1664934	10.0	10.0	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	14814524	NC	NC	
66 Toluene	92	17.648	17.648	0.000	94	2069732	10.0	9.88	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	14814524	10.0	70.7	E
70 trans-1,3-Dichloropropene	75	18.178	18.183	-0.005	92	1417912	10.0	11.0	
71 1,1,2-Trichloroethane	83	18.547	18.553	-0.006	93	954666	10.0	10.6	
72 Tetrachloroethene	166	18.686	18.686	0.000	89	2282999	10.0	10.5	
73 2-Hexanone	43	18.932	18.932	0.000	92	1495867	10.0	10.5	
74 Chlorodibromomethane	129	19.307	19.307	0.000	96	2237438	10.0	10.7	
75 Ethylene Dibromide	107	19.590	19.590	0.000	99	1889053	10.0	10.7	
S 82 Xylenes, Total	106				0		30.0	32.1	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2947455	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	97	3041352	10.0	10.5	
78 Ethylbenzene	91	20.602	20.601	0.001	94	4404598	10.0	10.6	
79 n-Nonane	57	20.655	20.655	0.000	83	1812623	10.0	10.2	
80 m-Xylene & p-Xylene	106	20.815	20.821	-0.006	97	3847408	20.0	21.6	
83 o-Xylene	106	21.532	21.532	0.000	96	1910787	10.0	10.5	
84 Styrene	104	21.570	21.570	0.000	98	2852111	10.0	10.8	
85 Bromoform	173	21.950	21.950	0.000	99	2534933	10.0	11.3	
86 Isopropylbenzene	105	22.094	22.094	0.000	94	5318061	10.0	10.7	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	97	1926114	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.656	22.661	-0.005	92	2520778	10.0	11.0	
90 N-Propylbenzene	91	22.731	22.731	0.000	97	6014634	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.757	22.763	-0.006	89	1892436	10.0	10.7	
93 n-Decane	57	22.843	22.843	0.000	83	2392257	10.0	11.1	
91 4-Ethyltoluene	105	22.897	22.897	0.000	88	5523647	10.0	11.2	
92 2-Chlorotoluene	91	22.929	22.934	-0.005	89	4326584	10.0	10.7	
94 1,3,5-Trimethylbenzene	105	22.987	22.987	0.000	87	4588653	10.0	10.9	
95 Alpha Methyl Styrene	118	23.341	23.341	0.000	91	2085657	10.0	9.77	
96 tert-Butylbenzene	119	23.464	23.469	-0.005	92	4697100	10.0	10.8	
97 1,2,4-Trimethylbenzene	105	23.555	23.560	-0.005	95	4625623	10.0	10.9	
98 sec-Butylbenzene	105	23.795	23.795	0.000	98	6604742	10.0	10.9	
99 4-Isopropyltoluene	119	23.993	23.999	-0.006	92	5967639	10.0	11.1	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	3683198	10.0	11.2	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	3618685	10.0	11.3	
102 Benzyl chloride	91	24.421	24.421	0.000	100	3188537	10.0	11.9	
104 Undecane	57	24.608	24.608	0.000	91	2648147	10.0	12.0	
103 n-Butylbenzene	91	24.630	24.635	-0.005	97	4831176	10.0	11.1	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	98	3530256	10.0	11.0	
106 Dodecane	57	26.406	26.406	0.000	92	2523005	10.0	12.7	
107 1,2,4-Trichlorobenzene	180	27.701	27.706	-0.005	92	2932122	10.0	11.3	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	95	3070314	10.0	11.3	
109 Naphthalene	128	28.289	28.289	0.000	99	5076066	10.0	10.2	
110 1,2,3-Trichlorobenzene	180	28.851	28.856	-0.005	94	2669682	10.0	11.3	

QC Flag Legend

Processing Flags
NC - Not Calibrated
E - Exceeded Maximum Amount

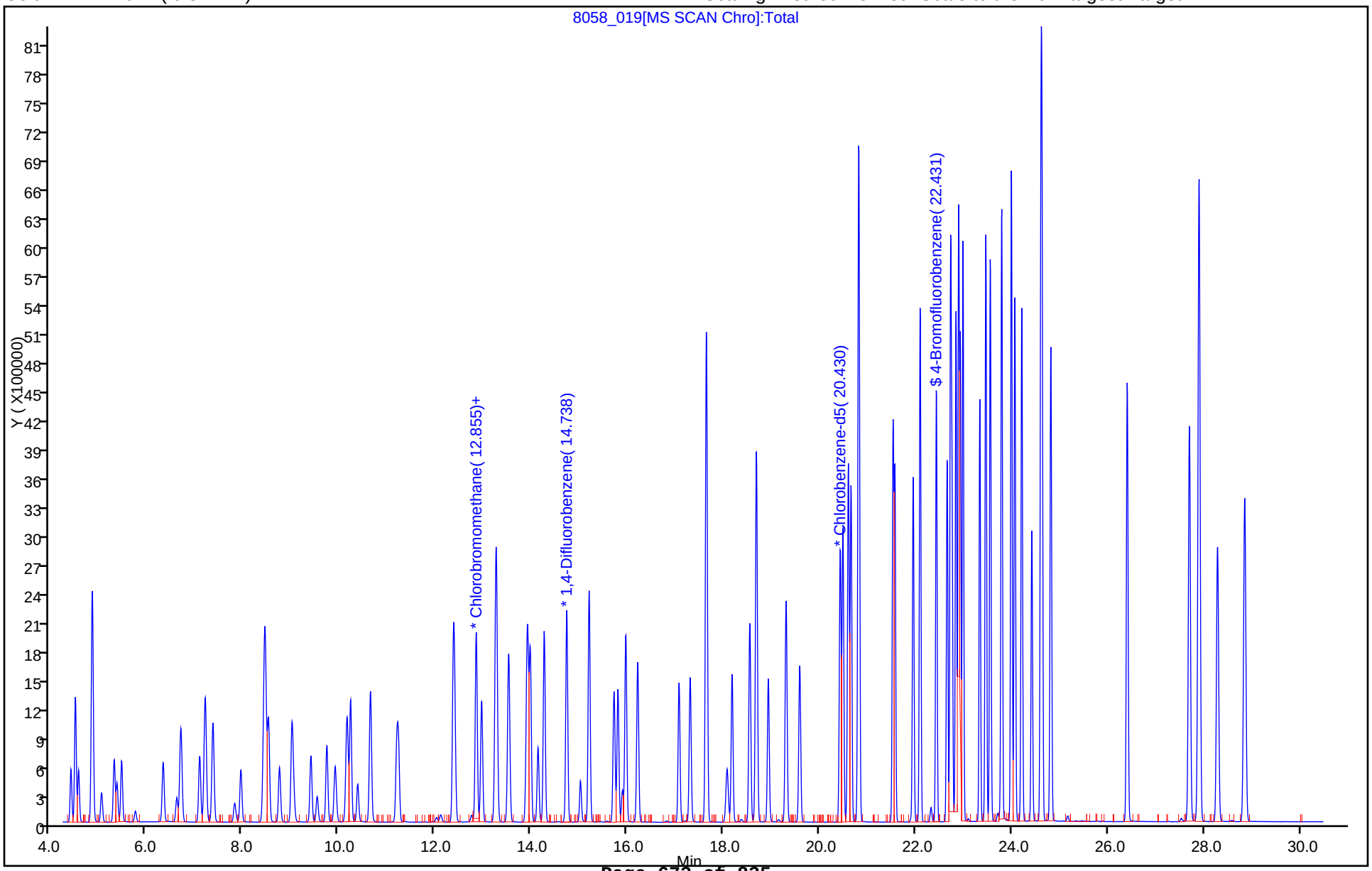
Report Date: 16-Jun-2014 10:41:04 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_019.d

Injection Date:	15-Jun-2014 02:11:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	ICV			Worklist Smp#:	19
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Lab Sample ID: CCVIS 200-75017/2 Calibration Date: 07/17/2014 11:41

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8602_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7346	0.7591		10.3	10.0	3.3	30.0
Freon 12	Ave	2.924	3.277		11.2	10.0	12.1	30.0
Freon 22	Ave	1.462	1.580		10.8	10.0	8.0	30.0
Freon-114	Ave	2.926	3.210		11.0	10.0	9.7	30.0
Chloromethane	Ave	0.8652	0.9074		10.5	10.0	4.9	30.0
n-Butane	Ave	1.434	1.390		9.69	10.0	-3.0	30.0
Vinyl chloride	Ave	1.075	1.076		10.0	10.0	0.1	30.0
1,3-Butadiene	Ave	0.7639	0.7484		9.80	10.0	-2.0	30.0
Bromomethane	Ave	1.080	1.107		10.2	10.0	2.5	30.0
Chloroethane	Ave	0.6068	0.6225		10.3	10.0	2.6	30.0
Isopentane	Ave	1.136	1.084		9.54	10.0	-4.6	30.0
Vinyl bromide	Ave	1.323	1.353		10.2	10.0	2.3	30.0
Freon 11	Ave	3.226	3.323		10.3	10.0	3.0	30.0
n-Pentane	Ave	1.633	1.605		9.83	10.0	-1.7	30.0
Ethanol	Ave	0.4158	0.3317		12.0	15.0	-20.2	30.0
Ethyl ether	Ave	0.7309	0.6877		9.41	10.0	-5.9	30.0
Acrolein	Ave	0.3109	0.2758		8.87	10.0	-11.3	30.0
Freon 113	Ave	2.473	2.552		10.3	10.0	3.2	30.0
1,1-Dichloroethene	Ave	1.213	1.237		10.2	10.0	2.0	30.0
Acetone	Ave	1.526	1.418		9.29	10.0	-7.1	30.0
Carbon disulfide	Ave	3.022	2.985		9.88	10.0	-1.2	30.0
Isopropyl alcohol	Ave	1.287	1.323		10.3	10.0	2.7	30.0
Allyl chloride	Ave	1.164	1.116		9.59	10.0	-4.1	30.0
Acetonitrile	Ave	0.6509	0.6595		10.1	10.0	1.3	30.0
Methylene Chloride	Ave	1.047	1.033		9.87	10.0	-1.3	30.0
tert-Butyl alcohol	Ave	1.859	1.976		10.6	10.0	6.3	30.0
Methyl tert-butyl ether	Ave	3.241	3.185		9.83	10.0	-1.7	30.0
trans-1,2-Dichloroethene	Ave	1.455	1.474		10.1	10.0	1.3	30.0
Acrylonitrile	Ave	0.7082	0.6803		9.60	10.0	-3.9	30.0
Hexane	Ave	1.763	1.589		9.01	10.0	-9.9	30.0
1,1-Dichloroethane	Ave	1.924	1.942		10.1	10.0	0.9	30.0
Vinyl acetate	Ave	2.357	2.237		9.49	10.0	-5.1	30.0
cis-1,2-Dichloroethene	Ave	1.363	1.377		10.1	10.0	1.0	30.0
Methyl Ethyl Ketone	Ave	0.6442	0.6082		9.44	10.0	-5.6	30.0
Ethyl acetate	Ave	0.1082	0.1074		9.92	10.0	-0.8	30.0
Tetrahydrofuran	Ave	0.2121	0.2134		10.1	10.0	0.6	30.0
Chloroform	Ave	2.381	2.443		10.3	10.0	2.6	30.0
Cyclohexane	Ave	0.3707	0.3690		9.95	10.0	-0.4	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5443		10.3	10.0	3.0	30.0
Carbon tetrachloride	Ave	0.5791	0.6016		10.4	10.0	3.9	30.0
2,2,4-Trimethylpentane	Ave	1.110	1.098		9.89	10.0	-1.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Lab Sample ID: CCVIS 200-75017/2 Calibration Date: 07/17/2014 11:41

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8602_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.7846	0.7961		10.1	10.0	1.5	30.0
1,2-Dichloroethane	Ave	0.2897	0.2896		9.99	10.0	-0.0	30.0
Heptane	Ave	0.4010	0.3632		9.05	10.0	-9.4	30.0
n-Butanol	Ave	0.1256	0.1219		9.70	10.0	-2.9	30.0
Trichloroethene	Ave	0.3675	0.3683		10.0	10.0	0.2	30.0
1,2-Dichloropropane	Ave	0.2693	0.2694		10.0	10.0	0.0	30.0
Methyl methacrylate	Ave	0.2655	0.2693		10.1	10.0	1.4	30.0
1,4-Dioxane	Ave	0.1355	0.1458		10.8	10.0	7.6	30.0
Dibromomethane	Ave	0.4358	0.4245		9.74	10.0	-2.6	30.0
Bromodichloromethane	Ave	0.5232	0.5540		10.6	10.0	5.9	30.0
cis-1,3-Dichloropropene	Ave	0.4034	0.4088		10.1	10.0	1.3	30.0
methyl isobutyl ketone	Ave	0.4611	0.4782		10.4	10.0	3.7	30.0
n-Octane	Ave	0.5158	0.4901		9.50	10.0	-5.0	30.0
Toluene	Ave	0.7106	0.6535		9.19	10.0	-8.0	30.0
trans-1,3-Dichloropropene	Ave	0.4011	0.4174		10.4	10.0	4.1	30.0
1,1,2-Trichloroethane	Ave	0.3064	0.3037		9.91	10.0	-0.9	30.0
Tetrachloroethene	Ave	0.7360	0.6828		9.28	10.0	-7.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4820	0.4856		10.1	10.0	0.7	30.0
Dibromochloromethane	Ave	0.7067	0.7371		10.4	10.0	4.3	30.0
1,2-Dibromoethane	Ave	0.5988	0.6115		10.2	10.0	2.1	30.0
Chlorobenzene	Ave	0.9822	0.9724		9.90	10.0	-1.0	30.0
Ethylbenzene	Ave	1.413	1.445		10.2	10.0	2.3	30.0
n-Nonane	Ave	0.6008	0.5824		9.69	10.0	-3.1	30.0
m,p-Xylene	Ave	0.6039	0.6342		21.0	20.0	5.0	30.0
Xylene, o-	Ave	0.6168	0.6325		10.3	10.0	2.6	30.0
Styrene	Ave	0.8948	0.9672		10.8	10.0	8.1	30.0
Bromoform	Ave	0.7586	0.8574		11.3	10.0	13.0	30.0
Cumene	Ave	1.685	1.819		10.8	10.0	7.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7754	0.8600		11.1	10.0	10.9	30.0
n-Propylbenzene	Ave	1.881	2.112		11.2	10.0	12.2	30.0
1,2,3-Trichloropropane	Ave	0.5980	0.6515		10.9	10.0	8.9	30.0
n-Decane	Ave	0.7332	0.8027		10.9	10.0	9.5	30.0
4-Ethyltoluene	Ave	1.677	1.868		11.1	10.0	11.4	30.0
2-Chlorotoluene	Ave	1.371	1.495		10.9	10.0	9.0	30.0
1,3,5-Trimethylbenzene	Ave	1.432	1.574		11.0	10.0	9.9	30.0
Alpha Methyl Styrene	Ave	0.7245	0.8490		11.7	10.0	17.2	30.0
tert-Butylbenzene	Ave	1.474	1.605		10.9	10.0	8.9	30.0
1,2,4-Trimethylbenzene	Ave	1.440	1.595		11.1	10.0	10.8	30.0
sec-Butylbenzene	Ave	2.055	2.312		11.3	10.0	12.5	30.0
4-Isopropyltoluene	Ave	1.825	2.063		11.3	10.0	13.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Lab Sample ID: CCVIS 200-75017/2 Calibration Date: 07/17/2014 11:41

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8602_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.115	1.232		11.0	10.0	10.4	30.0
1,4-Dichlorobenzene	Ave	1.090	1.202		11.0	10.0	10.3	30.0
Benzyl chloride	Ave	0.9111	1.077		11.8	10.0	18.2	30.0
n-Undecane	Ave	0.7476	0.8705		11.6	10.0	16.4	30.0
n-Butylbenzene	Ave	1.471	1.722		11.7	10.0	17.0	30.0
1,2-Dichlorobenzene	Ave	1.088	1.187		10.9	10.0	9.2	30.0
n-Dodecane	Ave	0.6729	0.8056		12.0	10.0	19.7	30.0
1,2,4-Trichlorobenzene	Ave	0.8812	0.9400		10.7	10.0	6.7	30.0
Hexachloro-1,3-butadiene	Ave	0.9202	0.8947		9.72	10.0	-2.8	30.0
Naphthalene	Ave	1.693	1.949		11.5	10.0	15.1	30.0
1,2,3-Trichlorobenzene	Ave	0.8037	0.8847		11.0	10.0	10.1	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_002.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Jul-2014 11:41:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008602-002
Misc. Info.: CCVIS
Operator ID: bl Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 17-Jul-2014 14:15:30 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.392	4.392	0.000	99	335389	10.0	10.3	
2 Dichlorodifluoromethane	85	4.488	4.488	0.000	88	1448018	10.0	11.2	
6 Chlorodifluoromethane	51	4.552	4.552	0.000	54	697863	10.0	10.8	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.836	4.836	0.000	87	1418055	10.0	11.0	
8 Chloromethane	50	5.034	5.034	0.000	89	400881	10.0	10.5	
9 Butane	43	5.291	5.291	0.000	98	614229	10.0	9.69	
10 Vinyl chloride	62	5.349	5.349	0.000	73	475288	10.0	10.0	
11 Butadiene	54	5.446	5.446	0.000	93	330665	10.0	9.80	
13 BFB									
12 Bromomethane	94	6.318	6.318	0.000	99	488963	10.0	10.2	
14 Chloroethane	64	6.601	6.601	0.000	94	275032	10.0	10.3	
15 2-Methylbutane	43	6.681	6.681	0.000	91	478946	10.0	9.54	
16 Vinyl bromide	106	7.077	7.077	0.000	89	597724	10.0	10.2	
17 Trichlorofluoromethane	101	7.190	7.190	0.000	86	1468324	10.0	10.3	
18 Pentane	43	7.355	7.355	0.000	95	709160	10.0	9.83	
19 Ethanol	45	7.800	7.800	0.000	99	219909	15.0	12.0	
21 Ethyl ether	59	7.939	7.939	0.000	93	303844	10.0	9.41	
22 Acrolein	56	8.404	8.404	0.000	40	121861	10.0	8.87	
23 1,1,2-Trichloro-1,2,2-trif	101	8.436	8.436	0.000	94	1127705	10.0	10.3	
24 1,1-Dichloroethene	96	8.511	8.511	0.000	84	546695	10.0	10.2	
25 Acetone	43	8.741	8.741	0.000	89	626709	10.0	9.29	
26 Carbon disulfide	76	9.003	9.003	0.000	98	1318673	10.0	9.88	
27 Isopropyl alcohol	45	9.025	9.025	0.000	84	584363	10.0	10.3	
29 3-Chloro-1-propene	41	9.399	9.399	0.000	89	493044	10.0	9.59	
30 Acetonitrile	41	9.527	9.527	0.000	99	291391	10.0	10.1	
31 Methylene Chloride	49	9.731	9.731	0.000	79	456611	10.0	9.87	
32 2-Methyl-2-propanol	59	9.897	9.897	0.000	99	873195	10.0	10.6	
33 Methyl tert-butyl ether	73	10.148	10.148	0.000	96	1407143	10.0	9.83	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.2	
34 trans-1,2-Dichloroethene	61	10.228	10.228	0.000	79	651107	10.0	10.1	
35 Acrylonitrile	53	10.373	10.373	0.000	95	300551	10.0	9.60	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	10.640	10.640	0.000	89	702228	10.0	9.01	
37 1,1-Dichloroethane	63	11.191	11.191	0.000	94	858056	10.0	10.1	
38 Vinyl acetate	43	11.223	11.223	0.000	99	988233	10.0	9.49	
39 cis-1,2-Dichloroethene	96	12.363	12.363	0.000	78	608406	10.0	10.1	
40 2-Butanone (MEK)	72	12.379	12.379	0.000	98	268730	10.0	9.44	
42 Ethyl acetate	88	12.390	12.390	0.000	96	47443	10.0	9.92	
44 Tetrahydrofuran	42	12.839	12.839	0.000	88	456059	10.0	10.1	
* 43 Chlorobromomethane	128	12.850	12.850	0.000	66	441901	10.0	10.0	
45 Chloroform	83	12.957	12.957	0.000	85	1079390	10.0	10.3	
46 Cyclohexane	84	13.256	13.256	0.000	78	788654	10.0	9.95	
47 1,1,1-Trichloroethane	97	13.262	13.262	0.000	92	1163157	10.0	10.3	
48 Carbon tetrachloride	117	13.524	13.524	0.000	89	1285631	10.0	10.4	
51 Isooctane	57	13.909	13.909	0.000	99	2346851	10.0	9.89	
50 Benzene	78	13.973	13.973	0.000	94	1701277	10.0	10.1	
52 1,2-Dichloroethane	62	14.134	14.134	0.000	92	618829	10.0	10.0	
53 n-Heptane	43	14.262	14.262	0.000	86	776111	10.0	9.05	
* 54 1,4-Difluorobenzene	114	14.727	14.727	0.000	92	2137517	10.0	10.0	
A 57 GRO	1	14.768	(6.671-22.864)		0	215921592	10.0	0	
55 n-Butanol	56	15.011	15.011	0.000	84	260578	10.0	9.70	
56 Trichloroethene	95	15.198	15.198	0.000	89	787135	10.0	10.0	
58 1,2-Dichloropropane	63	15.712	15.712	0.000	71	575662	10.0	10.0	
59 Methyl methacrylate	69	15.797	15.797	0.000	77	575467	10.0	10.1	
60 1,4-Dioxane	88	15.888	15.888	0.000	73	311593	10.0	10.8	
61 Dibromomethane	174	15.958	15.958	0.000	89	907233	10.0	9.74	
62 Dichlorobromomethane	83	16.209	16.209	0.000	94	1183876	10.0	10.6	
A 63 TVOC as Toluene	92	16.624	(4.382-28.866)		0	388258224	10.0	2556.0	
64 cis-1,3-Dichloropropene	75	17.071	17.071	0.000	83	873604	10.0	10.1	
65 4-Methyl-2-pentanone (MIBK	43	17.301	17.301	0.000	93	1021955	10.0	10.4	
A 68 C8 Range	1	17.632	(17.582-17.682)		0	9472273	NC	NC	
69 n-Octane	43	17.632	17.632	0.000	76	1047363	10.0	9.50	
A 67 Toluene Range	92	17.638	(17.598-17.678)		0	9472273	10.0	66.4	E
66 Toluene	92	17.638	17.638	0.000	94	1312444	10.0	9.19	
70 trans-1,3-Dichloropropene	75	18.173	18.173	0.000	91	891957	10.0	10.4	
71 1,1,2-Trichloroethane	83	18.542	18.542	0.000	93	609959	10.0	9.91	
72 Tetrachloroethene	166	18.681	18.681	0.000	90	1371436	10.0	9.28	
73 2-Hexanone	43	18.927	18.927	0.000	92	975232	10.0	10.1	
74 Chlorodibromomethane	129	19.296	19.296	0.000	96	1480512	10.0	10.4	
75 Ethylene Dibromide	107	19.580	19.580	0.000	99	1228124	10.0	10.2	
S 82 Xylenes, Total	106				0		30.0	31.3	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	69	2008889	10.0	10.0	
77 Chlorobenzene	112	20.478	20.478	0.000	95	1953116	10.0	9.90	
78 Ethylbenzene	91	20.596	20.596	0.000	94	2901906	10.0	10.2	
79 n-Nonane	57	20.650	20.650	0.000	83	1169815	10.0	9.69	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	98	2547411	20.0	21.0	
83 o-Xylene	106	21.527	21.527	0.000	96	1270383	10.0	10.3	
84 Styrene	104	21.564	21.564	0.000	98	1942676	10.0	10.8	
85 Bromoform	173	21.949	21.949	0.000	99	1722065	10.0	11.3	
86 Isopropylbenzene	105	22.094	22.094	0.000	94	3652781	10.0	10.8	
$ 87 4-Bromofluorobenzene	95	22.436	22.436	0.000	98	1360574	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.666	22.666	0.000	90	1727342	10.0	11.1	
90 N-Propylbenzene	91	22.741	22.741	0.000	96	4241214	10.0	11.2	
89 1,2,3-Trichloropropane	75	22.768	22.768	0.000	82	1308552	10.0	10.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	22.854	22.854	0.000	81	1612265	10.0	10.9	
91 4-Ethyltoluene	105	22.907	22.907	0.000	84	3751660	10.0	11.1	
92 2-Chlorotoluene	91	22.945	22.945	0.000	89	3003245	10.0	10.9	
94 1,3,5-Trimethylbenzene	105	22.998	22.998	0.000	79	3161881	10.0	11.0	
95 Alpha Methyl Styrene	118	23.351	23.351	0.000	90	1705291	10.0	11.7	
96 tert-Butylbenzene	119	23.474	23.474	0.000	92	3224081	10.0	10.9	
97 1,2,4-Trimethylbenzene	105	23.565	23.565	0.000	95	3204071	10.0	11.1	
98 sec-Butylbenzene	105	23.806	23.806	0.000	98	4643998	10.0	11.3	
99 4-Isopropyltoluene	119	24.009	24.009	0.000	82	4143700	10.0	11.3	
100 1,3-Dichlorobenzene	146	24.079	24.079	0.000	97	2473560	10.0	11.0	
101 1,4-Dichlorobenzene	146	24.223	24.223	0.000	96	2413633	10.0	11.0	
102 Benzyl chloride	91	24.432	24.432	0.000	99	2163441	10.0	11.8	
104 Undecane	57	24.619	24.619	0.000	90	1748456	10.0	11.6	
103 n-Butylbenzene	91	24.640	24.640	0.000	97	3457842	10.0	11.7	
105 1,2-Dichlorobenzene	146	24.828	24.828	0.000	99	2384720	10.0	10.9	
106 Dodecane	57	26.411	26.411	0.000	92	1618026	10.0	12.0	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	92	1887905	10.0	10.7	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	94	1796899	10.0	9.72	
109 Naphthalene	128	28.289	28.289	0.000	99	3913762	10.0	11.5	
110 1,2,3-Trichlorobenzene	180	28.856	28.856	0.000	94	1776882	10.0	11.0	

QC Flag Legend

Processing Flags
NC - Not Calibrated
E - Exceeded Maximum Amount

Reagents:

ATTO15CAL4w_00369	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

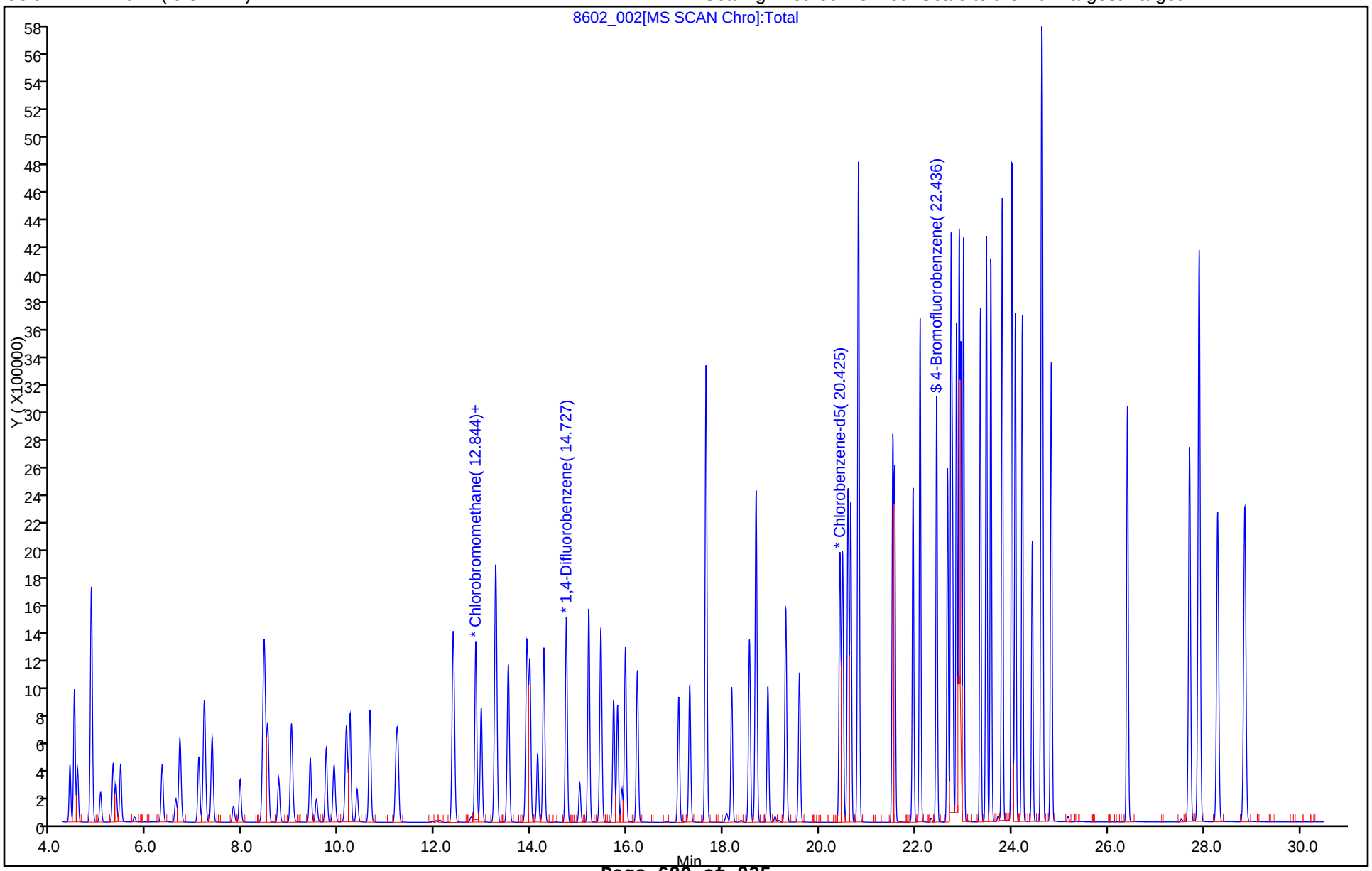
Report Date: 17-Jul-2014 14:15:31 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_002.d

Injection Date:	17-Jul-2014 11:41:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Lab Sample ID: CCVIS 200-75073/2 Calibration Date: 07/18/2014 12:49

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8625_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7346	0.6850		9.32	10.0	-6.8	30.0
Freon 12	Ave	2.924	3.138		10.7	10.0	7.3	30.0
Freon 22	Ave	1.462	1.439		9.84	10.0	-1.6	30.0
Freon-114	Ave	2.926	3.076		10.5	10.0	5.1	30.0
Chloromethane	Ave	0.8652	0.8250		9.53	10.0	-4.7	30.0
n-Butane	Ave	1.434	1.365		9.52	10.0	-4.8	30.0
Vinyl chloride	Ave	1.075	1.065		9.91	10.0	-0.9	30.0
1,3-Butadiene	Ave	0.7639	0.7385		9.67	10.0	-3.3	30.0
Bromomethane	Ave	1.080	1.026		9.50	10.0	-5.0	30.0
Chloroethane	Ave	0.6068	0.5072		8.36	10.0	-16.4	30.0
Isopentane	Ave	1.136	0.9533		8.39	10.0	-16.1	30.0
Vinyl bromide	Ave	1.323	1.392		10.5	10.0	5.3	30.0
Freon 11	Ave	3.226	3.305		10.2	10.0	2.4	30.0
n-Pentane	Ave	1.633	1.514		9.27	10.0	-7.2	30.0
Ethanol	Ave	0.4158	0.3094		11.2	15.0	-25.6	30.0
Ethyl ether	Ave	0.7309	0.6966		9.53	10.0	-4.7	30.0
Acrolein	Ave	0.3109	0.2847		9.16	10.0	-8.4	30.0
Freon 113	Ave	2.473	2.574		10.4	10.0	4.1	30.0
1,1-Dichloroethene	Ave	1.213	1.260		10.4	10.0	3.9	30.0
Acetone	Ave	1.526	1.429		9.36	10.0	-6.4	30.0
Carbon disulfide	Ave	3.022	2.984		9.87	10.0	-1.3	30.0
Isopropyl alcohol	Ave	1.287	1.285		9.98	10.0	-0.2	30.0
Allyl chloride	Ave	1.164	1.040		8.94	10.0	-10.6	30.0
Acetonitrile	Ave	0.6509	0.5892		9.05	10.0	-9.5	30.0
Methylene Chloride	Ave	1.047	0.9705		9.27	10.0	-7.3	30.0
tert-Butyl alcohol	Ave	1.859	1.989		10.7	10.0	7.0	30.0
Methyl tert-butyl ether	Ave	3.241	3.134		9.67	10.0	-3.3	30.0
trans-1,2-Dichloroethene	Ave	1.455	1.409		9.68	10.0	-3.2	30.0
Acrylonitrile	Ave	0.7082	0.6658		9.40	10.0	-6.0	30.0
Hexane	Ave	1.763	1.529		8.67	10.0	-13.3	30.0
1,1-Dichloroethane	Ave	1.924	1.878		9.76	10.0	-2.4	30.0
Vinyl acetate	Ave	2.357	2.144		9.09	10.0	-9.0	30.0
cis-1,2-Dichloroethene	Ave	1.363	1.402		10.3	10.0	2.8	30.0
Methyl Ethyl Ketone	Ave	0.6442	0.6024		9.35	10.0	-6.5	30.0
Ethyl acetate	Ave	0.1082	0.1102		10.2	10.0	1.8	30.0
Tetrahydrofuran	Ave	0.2121	0.1959		9.24	10.0	-7.6	30.0
Chloroform	Ave	2.381	2.414		10.1	10.0	1.4	30.0
Cyclohexane	Ave	0.3707	0.3713		10.0	10.0	0.2	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5423		10.3	10.0	2.6	30.0
Carbon tetrachloride	Ave	0.5791	0.6129		10.6	10.0	5.8	30.0
2,2,4-Trimethylpentane	Ave	1.110	1.071		9.64	10.0	-3.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Lab Sample ID: CCVIS 200-75073/2 Calibration Date: 07/18/2014 12:49

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8625_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.7846	0.7876		10.0	10.0	0.4	30.0
1,2-Dichloroethane	Ave	0.2897	0.2806		9.69	10.0	-3.1	30.0
Heptane	Ave	0.4010	0.3379		8.42	10.0	-15.7	30.0
n-Butanol	Ave	0.1256	0.1247		9.93	10.0	-0.7	30.0
Trichloroethene	Ave	0.3675	0.3703		10.1	10.0	0.7	30.0
1,2-Dichloropropane	Ave	0.2693	0.2640		9.80	10.0	-2.0	30.0
Methyl methacrylate	Ave	0.2655	0.2621		9.87	10.0	-1.3	30.0
1,4-Dioxane	Ave	0.1355	0.1527		11.3	10.0	12.7	30.0
Dibromomethane	Ave	0.4358	0.4510		10.3	10.0	3.5	30.0
Bromodichloromethane	Ave	0.5232	0.5518		10.5	10.0	5.5	30.0
cis-1,3-Dichloropropene	Ave	0.4034	0.4164		10.3	10.0	3.2	30.0
methyl isobutyl ketone	Ave	0.4611	0.4442		9.63	10.0	-3.7	30.0
n-Octane	Ave	0.5158	0.4540		8.80	10.0	-12.0	30.0
Toluene	Ave	0.7106	0.6763		9.51	10.0	-4.8	30.0
trans-1,3-Dichloropropene	Ave	0.4011	0.4202		10.5	10.0	4.8	30.0
1,1,2-Trichloroethane	Ave	0.3064	0.3134		10.2	10.0	2.3	30.0
Tetrachloroethene	Ave	0.7360	0.7481		10.2	10.0	1.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4820	0.4647		9.64	10.0	-3.6	30.0
Dibromochloromethane	Ave	0.7067	0.7847		11.1	10.0	11.0	30.0
1,2-Dibromoethane	Ave	0.5988	0.6411		10.7	10.0	7.1	30.0
Chlorobenzene	Ave	0.9822	1.015		10.3	10.0	3.4	30.0
Ethylbenzene	Ave	1.413	1.463		10.4	10.0	3.6	30.0
n-Nonane	Ave	0.6008	0.5528		9.20	10.0	-8.0	30.0
m,p-Xylene	Ave	0.6039	0.6371		21.1	20.0	5.5	30.0
Xylene, o-	Ave	0.6168	0.6392		10.4	10.0	3.6	30.0
Styrene	Ave	0.8948	0.9543		10.7	10.0	6.6	30.0
Bromoform	Ave	0.7586	0.8903		11.7	10.0	17.4	30.0
Cumene	Ave	1.685	1.784		10.6	10.0	5.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7754	0.8329		10.7	10.0	7.4	30.0
n-Propylbenzene	Ave	1.881	2.031		10.8	10.0	8.0	30.0
1,2,3-Trichloropropane	Ave	0.5980	0.6241		10.4	10.0	4.4	30.0
n-Decane	Ave	0.7332	0.7437		10.1	10.0	1.4	30.0
4-Ethyltoluene	Ave	1.677	1.818		10.8	10.0	8.4	30.0
2-Chlorotoluene	Ave	1.371	1.439		10.5	10.0	4.9	30.0
1,3,5-Trimethylbenzene	Ave	1.432	1.523		10.6	10.0	6.3	30.0
Alpha Methyl Styrene	Ave	0.7245	0.8088		11.2	10.0	11.6	30.0
tert-Butylbenzene	Ave	1.474	1.586		10.8	10.0	7.6	30.0
1,2,4-Trimethylbenzene	Ave	1.440	1.522		10.6	10.0	5.7	30.0
sec-Butylbenzene	Ave	2.055	2.244		10.9	10.0	9.2	30.0
4-Isopropyltoluene	Ave	1.825	2.019		11.1	10.0	10.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Lab Sample ID: CCVIS 200-75073/2 Calibration Date: 07/18/2014 12:49

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8625_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.115	1.199		10.8	10.0	7.5	30.0
1,4-Dichlorobenzene	Ave	1.090	1.181		10.8	10.0	8.4	30.0
Benzyl chloride	Ave	0.9111	1.051		11.5	10.0	15.4	30.0
n-Undecane	Ave	0.7476	0.7822		10.5	10.0	4.6	30.0
n-Butylbenzene	Ave	1.471	1.611		11.0	10.0	9.5	30.0
1,2-Dichlorobenzene	Ave	1.088	1.151		10.6	10.0	5.8	30.0
n-Dodecane	Ave	0.6729	0.6146		9.13	10.0	-8.7	30.0
1,2,4-Trichlorobenzene	Ave	0.8812	0.7595		8.62	10.0	-13.8	30.0
Hexachloro-1,3-butadiene	Ave	0.9202	0.8885		9.65	10.0	-3.5	30.0
Naphthalene	Ave	1.693	1.275		7.53	10.0	-24.7	30.0
1,2,3-Trichlorobenzene	Ave	0.8037	0.7195		8.95	10.0	-10.5	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_002.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 18-Jul-2014 12:49:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008625-002
Misc. Info.: CCVIS
Operator ID: bl Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Jul-2014 14:59:42 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.397	4.397	0.000	99	336395	10.0	9.32	
2 Dichlorodifluoromethane	85	4.494	4.494	0.000	99	1540974	10.0	10.7	
6 Chlorodifluoromethane	51	4.558	4.558	0.000	97	706604	10.0	9.84	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.841	4.841	0.000	96	1510424	10.0	10.5	
8 Chloromethane	50	5.034	5.034	0.000	99	405133	10.0	9.53	
9 Butane	43	5.301	5.301	0.000	98	670543	10.0	9.52	
10 Vinyl chloride	62	5.360	5.360	0.000	98	523018	10.0	9.91	
11 Butadiene	54	5.451	5.451	0.000	92	362659	10.0	9.67	
13 BFB									
12 Bromomethane	94	6.318	6.318	0.000	99	503754	10.0	9.50	
14 Chloroethane	64	6.601	6.601	0.000	98	249078	10.0	8.36	
15 2-Methylbutane	43	6.687	6.687	0.000	91	468154	10.0	8.39	
16 Vinyl bromide	106	7.077	7.077	0.000	99	683687	10.0	10.5	
17 Trichlorofluoromethane	101	7.195	7.195	0.000	98	1623288	10.0	10.2	
18 Pentane	43	7.356	7.356	0.000	96	743693	10.0	9.27	
19 Ethanol	45	7.810	7.810	0.000	99	228001	15.0	11.2	
21 Ethyl ether	59	7.939	7.939	0.000	93	342103	10.0	9.53	
22 Acrolein	56	8.404	8.404	0.000	96	139812	10.0	9.16	
23 1,1,2-Trichloro-1,2,2-trif	101	8.442	8.442	0.000	94	1264324	10.0	10.4	
24 1,1-Dichloroethene	96	8.516	8.516	0.000	91	619015	10.0	10.4	
25 Acetone	43	8.747	8.747	0.000	90	701562	10.0	9.36	
26 Carbon disulfide	76	9.003	9.003	0.000	98	1465402	10.0	9.87	
27 Isopropyl alcohol	45	9.035	9.035	0.000	98	631003	10.0	9.98	
29 3-Chloro-1-propene	41	9.399	9.399	0.000	90	510748	10.0	8.94	
30 Acetonitrile	41	9.533	9.533	0.000	100	289344	10.0	9.05	
31 Methylene Chloride	49	9.731	9.731	0.000	82	476600	10.0	9.27	
32 2-Methyl-2-propanol	59	9.907	9.907	0.000	99	976561	10.0	10.7	
33 Methyl tert-butyl ether	73	10.153	10.153	0.000	96	1539137	10.0	9.67	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.0	
34 trans-1,2-Dichloroethene	61	10.228	10.228	0.000	86	691848	10.0	9.68	
35 Acrylonitrile	53	10.373	10.373	0.000	96	326994	10.0	9.40	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	10.640	10.640	0.000	88	751020	10.0	8.67	
37 1,1-Dichloroethane	63	11.191	11.191	0.000	99	922300	10.0	9.76	
38 Vinyl acetate	43	11.223	11.223	0.000	99	1052837	10.0	9.09	
39 cis-1,2-Dichloroethene	96	12.368	12.368	0.000	95	688559	10.0	10.3	
40 2-Butanone (MEK)	72	12.379	12.379	0.000	100	295833	10.0	9.35	
42 Ethyl acetate	88	12.395	12.395	0.000	98	54109	10.0	10.2	
44 Tetrahydrofuran	42	12.839	12.839	0.000	88	463127	10.0	9.24	
* 43 Chlorobromomethane	128	12.844	12.844	0.000	74	491198	10.0	10.0	
45 Chloroform	83	12.957	12.957	0.000	99	1185415	10.0	10.1	
46 Cyclohexane	84	13.256	13.256	0.000	83	877711	10.0	10.0	
47 1,1,1-Trichloroethane	97	13.267	13.267	0.000	96	1281941	10.0	10.3	
48 Carbon tetrachloride	117	13.524	13.524	0.000	96	1448911	10.0	10.6	
51 Isooctane	57	13.914	13.914	0.000	99	2530805	10.0	9.64	
50 Benzene	78	13.973	13.973	0.000	93	1861970	10.0	10.0	
52 1,2-Dichloroethane	62	14.128	14.128	0.000	97	663426	10.0	9.69	
53 n-Heptane	43	14.262	14.262	0.000	85	798792	10.0	8.42	
* 54 1,4-Difluorobenzene	114	14.733	14.733	0.000	92	2364527	10.0	10.0	
A 57 GRO	1	14.762	(6.677-22.848)		0	233757993	10.0	0	
55 n-Butanol	56	15.016	15.016	0.000	83	294873	10.0	9.93	
56 Trichloroethene	95	15.198	15.198	0.000	92	875319	10.0	10.1	
58 1,2-Dichloropropane	63	15.712	15.712	0.000	94	624092	10.0	9.80	
59 Methyl methacrylate	69	15.797	15.797	0.000	79	619658	10.0	9.87	
60 1,4-Dioxane	88	15.894	15.894	0.000	86	361059	10.0	11.3	
61 Dibromomethane	174	15.958	15.958	0.000	88	1066263	10.0	10.3	
62 Dichlorobromomethane	83	16.209	16.209	0.000	98	1304555	10.0	10.5	
A 63 TVOC as Toluene	92	16.621	(4.387-28.855)		0	405674911	10.0	2414.3	
64 cis-1,3-Dichloropropene	75	17.071	17.071	0.000	87	984304	10.0	10.3	
65 4-Methyl-2-pentanone (MIBK	43	17.301	17.301	0.000	92	1050002	10.0	9.63	
69 n-Octane	43	17.632	17.632	0.000	85	1073296	10.0	8.80	
A 68 C8 Range	1	17.632	(17.582-17.682)		0	10256237	NC	NC	
66 Toluene	92	17.643	17.643	0.000	93	1468225	10.0	9.51	
A 67 Toluene Range	92	17.643	(17.603-17.683)		0	10256237	10.0	66.5	E
70 trans-1,3-Dichloropropene	75	18.173	18.173	0.000	93	993433	10.0	10.5	
71 1,1,2-Trichloroethane	83	18.542	18.542	0.000	94	680371	10.0	10.2	
72 Tetrachloroethene	166	18.681	18.681	0.000	94	1624124	10.0	10.2	
73 2-Hexanone	43	18.927	18.927	0.000	91	1008881	10.0	9.64	
74 Chlorodibromomethane	129	19.301	19.301	0.000	98	1703680	10.0	11.1	
75 Ethylene Dibromide	107	19.580	19.580	0.000	99	1391825	10.0	10.7	
S 82 Xylenes, Total	106				0		30.0	31.5	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	80	2171560	10.0	10.0	
77 Chlorobenzene	112	20.484	20.484	0.000	99	2204699	10.0	10.3	
78 Ethylbenzene	91	20.596	20.596	0.000	96	3177316	10.0	10.4	
79 n-Nonane	57	20.650	20.650	0.000	82	1200267	10.0	9.20	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	98	2766399	20.0	21.1	
83 o-Xylene	106	21.527	21.527	0.000	96	1387865	10.0	10.4	
84 Styrene	104	21.564	21.564	0.000	97	2071902	10.0	10.7	
85 Bromoform	173	21.944	21.944	0.000	99	1932974	10.0	11.7	
86 Isopropylbenzene	105	22.089	22.089	0.000	94	3872913	10.0	10.6	
$ 87 4-Bromofluorobenzene	95	22.431	22.431	0.000	97	1386768	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.656	22.656	0.000	97	1808411	10.0	10.7	
90 N-Propylbenzene	91	22.725	22.725	0.000	99	4410424	10.0	10.8	
89 1,2,3-Trichloropropane	75	22.757	22.757	0.000	94	1354949	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	22.838	22.838	0.000	82	1614683	10.0	10.1	
91 4-Ethyltoluene	105	22.891	22.891	0.000	97	3947121	10.0	10.8	
92 2-Chlorotoluene	91	22.929	22.929	0.000	93	3123341	10.0	10.5	
94 1,3,5-Trimethylbenzene	105	22.982	22.982	0.000	95	3306195	10.0	10.6	
95 Alpha Methyl Styrene	118	23.335	23.335	0.000	92	1756074	10.0	11.2	
96 tert-Butylbenzene	119	23.458	23.458	0.000	96	3444046	10.0	10.8	
97 1,2,4-Trimethylbenzene	105	23.555	23.555	0.000	95	3304248	10.0	10.6	
98 sec-Butylbenzene	105	23.790	23.790	0.000	98	4871201	10.0	10.9	
99 4-Isopropyltoluene	119	23.993	23.993	0.000	97	4383678	10.0	11.1	
100 1,3-Dichlorobenzene	146	24.063	24.063	0.000	99	2603210	10.0	10.8	
101 1,4-Dichlorobenzene	146	24.207	24.207	0.000	97	2564066	10.0	10.8	
102 Benzyl chloride	91	24.416	24.416	0.000	99	2282872	10.0	11.5	
104 Undecane	57	24.603	24.603	0.000	93	1698332	10.0	10.5	
103 n-Butylbenzene	91	24.630	24.630	0.000	97	3498115	10.0	11.0	
105 1,2-Dichlorobenzene	146	24.812	24.812	0.000	99	2499010	10.0	10.6	
106 Dodecane	57	26.401	26.401	0.000	91	1334337	10.0	9.13	
107 1,2,4-Trichlorobenzene	180	27.695	27.695	0.000	93	1648979	10.0	8.62	
108 Hexachlorobutadiene	225	27.898	27.898	0.000	97	1929032	10.0	9.65	
109 Naphthalene	128	28.284	28.284	0.000	99	2768120	10.0	7.53	
110 1,2,3-Trichlorobenzene	180	28.845	28.845	0.000	95	1562224	10.0	8.95	

QC Flag Legend

Processing Flags
NC - Not Calibrated
E - Exceeded Maximum Amount

Reagents:

ATTO15CAL4w_00371	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

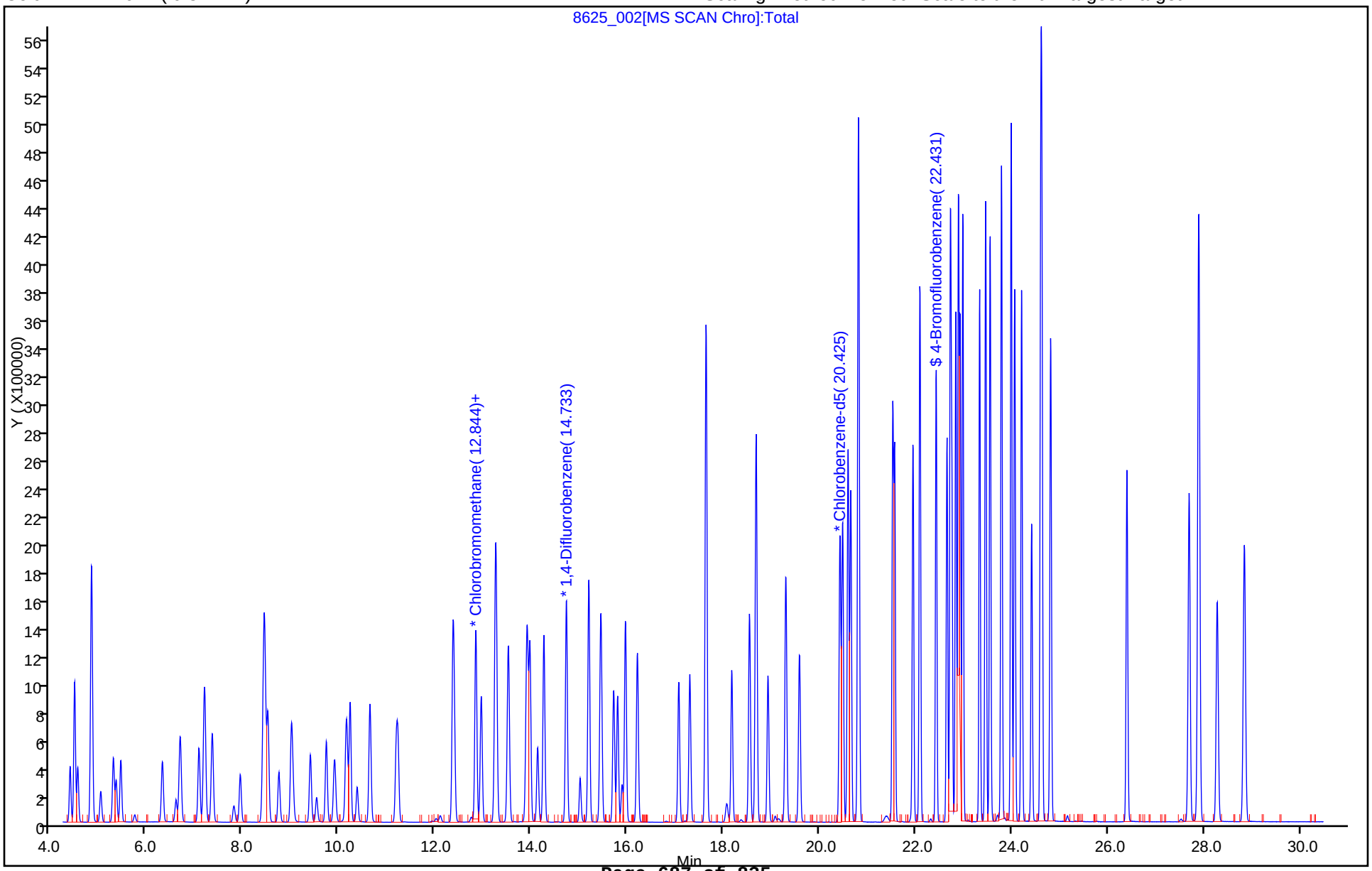
Report Date: 18-Jul-2014 14:59:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_002.d

Injection Date:	18-Jul-2014 12:49:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_001.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 14-Jun-2014 06:27:30 ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-001
Misc. Info.: BFB
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:23 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
13 BFB									
* 43 Chlorobromomethane	128		12.860					0	
* 54 1,4-Difluorobenzene	114		14.744					0	
* 76 Chlorobenzene-d5	117		20.430					0	
$ 87 4-Bromofluorobenzene	95		22.436					ND	

QC Flag Legend

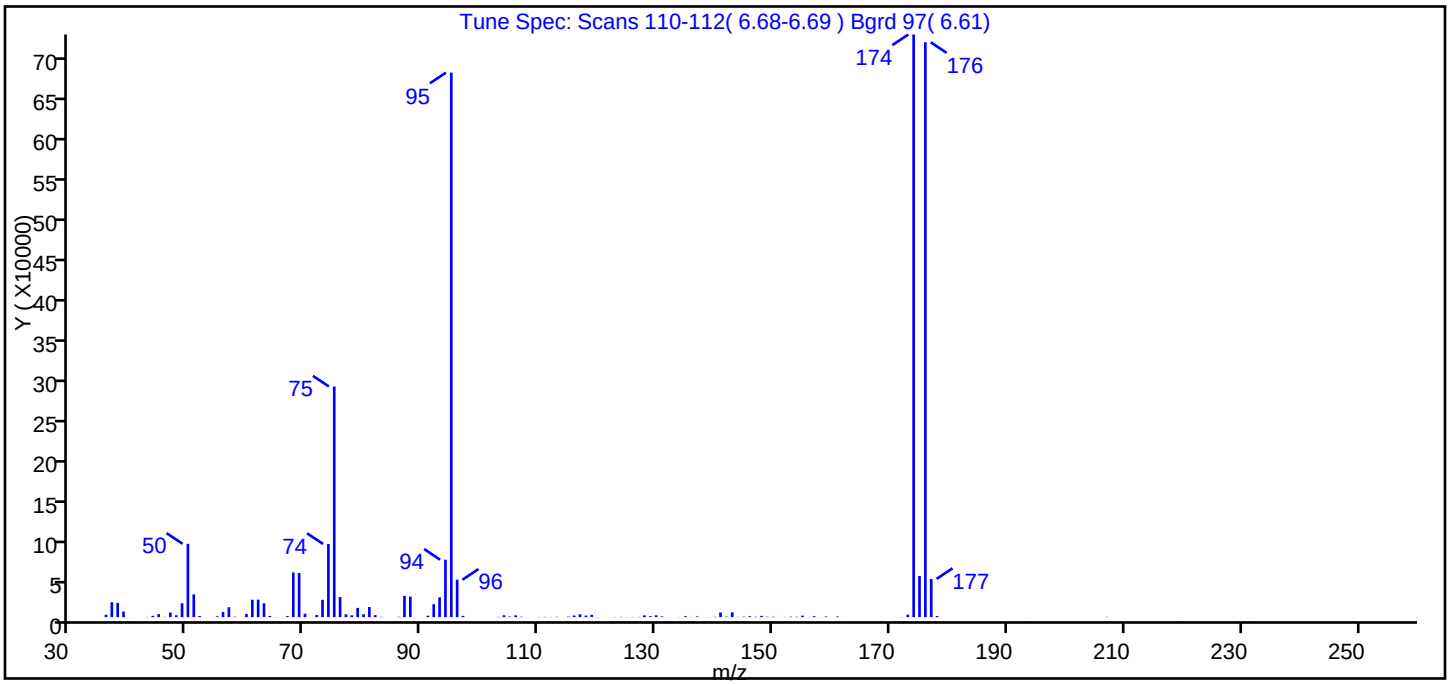
Processing Flags
ND - Not Detected or Marked ND

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_001.d
Injection Date: 14-Jun-2014 06:27:30 Instrument ID: CHW.i
Lims ID: BFB
Client ID:
Operator ID: PAD ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	13.50
75	30.00 - 66.00% of mass 95	42.40
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.50 (0.40)
174	50.00 - 120.00% of mass 95	107.00
175	4.00 - 9.00% of mass 174	7.60 (7.10)
176	93.00 - 101.00% of mass 174	105.60 (98.70)
177	5.00 - 9.00% of mass 176	7.00 (6.60)

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_001.d\TO15_LLNJ_TO3_W_(v1).rslt\spectra.d
Injection Date: 14-Jun-2014 06:27:30
Spectrum: Tune Spec: Scans 110-112(6.68-6.69) Bgrd 97(6.61)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 116

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2946	71.00	122	111.00	393	145.00	554
37.00	18568	72.00	2627	112.00	287	146.00	1084
38.00	17688	73.00	21600	113.00	390	147.00	495
39.00	7032	74.00	91080	115.00	623	148.00	1600
41.00	47	75.00	287104	116.00	2002	149.00	467
43.00	279	76.00	25000	117.00	3552	150.00	561
44.00	1637	77.00	3490	118.00	1973	152.00	339
45.00	3691	78.00	2258	119.00	2950	153.00	611
46.00	329	79.00	11496	120.00	167	154.00	544
47.00	5763	80.00	3552	123.00	216	155.00	1815
48.00	2368	81.00	12579	124.00	347	156.00	208
49.00	17200	82.00	2516	125.00	179	157.00	1169
50.00	91296	83.00	390	126.00	269	158.00	53
51.00	28344	86.00	483	127.00	316	159.00	803
52.00	1364	87.00	26480	128.00	2289	161.00	809
55.00	1083	88.00	25592	129.00	1204	172.00	238
56.00	6516	91.00	1791	130.00	2287	173.00	3100
57.00	12292	92.00	16132	131.00	951	174.00	725312
58.00	553	93.00	24672	132.00	117	175.00	51176
60.00	4011	94.00	71520	134.00	153	176.00	715648
61.00	21640	95.00	677824	135.00	1177	177.00	47576
62.00	21760	96.00	46592	136.00	224	178.00	1420
63.00	17168	97.00	1579	137.00	933	193.00	80
64.00	1456	103.00	324	139.00	189	207.00	332
65.00	195	104.00	2423	140.00	486	209.00	22
67.00	1285	105.00	771	141.00	5861	219.00	129
68.00	55640	106.00	2199	142.00	608	232.00	65
69.00	54856	107.00	550	143.00	6029	253.00	41
70.00	4324	110.00	279	144.00	325	260.00	132

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_001.d				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	17-Jul-2014 10:48:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0 mL	Dil. Factor:	1.0000		
Sample Info:	200-0008602-001				
Misc. Info.:	BFB				
Operator ID:	bl	Instrument ID:	CHW.i		
Method:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m				
Limit Group:	AI_TO15_ICAL				
Last Update:	17-Jul-2014 14:15:29	Calib Date:	15-Jun-2014 00:33:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK001				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
13 BFB									
* 43 Chlorobromomethane	128		12.850					0	
* 54 1,4-Difluorobenzene	114		14.727					0	
* 76 Chlorobenzene-d5	117		20.425					0	
$ 87 4-Bromofluorobenzene	95		22.436					ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

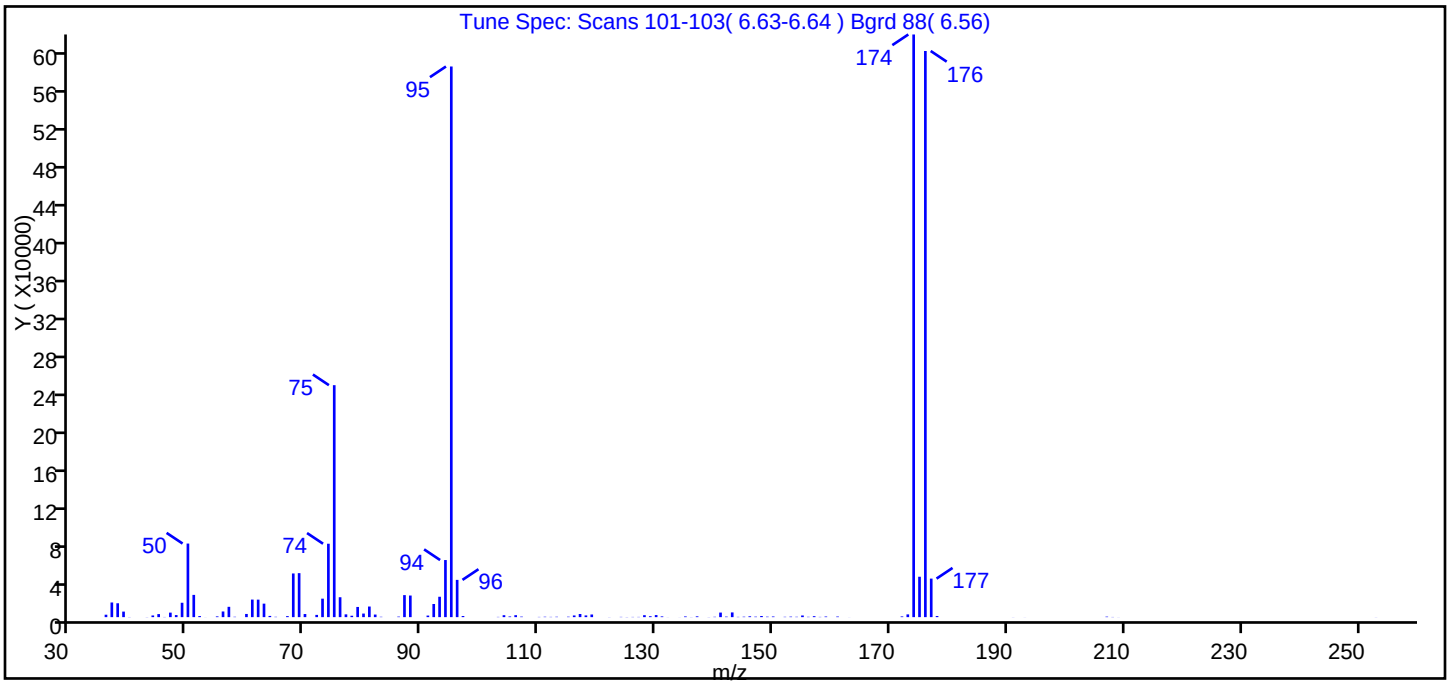
ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_001.d
Injection Date: 17-Jul-2014 10:48:30 Instrument ID: CHW.i
Lims ID: BFB
Client ID:
Operator ID: bl ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	13.40
75	30.00 - 66.00% of mass 95	42.10
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.50 (0.50)
174	50.00 - 120.00% of mass 95	105.80
175	4.00 - 9.00% of mass 174	7.30 (6.90)
176	93.00 - 101.00% of mass 174	102.80 (97.20)
177	5.00 - 9.00% of mass 176	7.00 (6.80)

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_001.d\TO15_LLNJ_TO3_W_(v1).rslt\spectra.d
Injection Date: 17-Jul-2014 10:48:30
Spectrum: Tune Spec: Scans 101-103(6.63-6.64) Bgrd 88(6.56)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 115

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2574	70.00	3296	111.00	429	146.00	889
37.00	15499	72.00	2383	112.00	272	147.00	511
38.00	14676	73.00	19544	113.00	411	148.00	1188
39.00	5869	74.00	77648	115.00	468	149.00	483
40.00	160	75.00	245312	116.00	1791	150.00	681
43.00	127	76.00	21056	117.00	3327	152.00	359
44.00	1774	77.00	2948	118.00	1823	153.00	548
45.00	3231	78.00	1473	119.00	2800	154.00	378
46.00	186	79.00	10779	122.00	107	155.00	1758
47.00	4777	80.00	3792	124.00	271	156.00	348
48.00	2186	81.00	11227	125.00	156	157.00	1006
49.00	15213	82.00	2736	126.00	236	158.00	257
50.00	77824	83.00	372	127.00	240	159.00	662
51.00	23536	86.00	562	128.00	2065	161.00	636
52.00	1115	87.00	23288	129.00	952	163.00	53
53.00	56	88.00	22856	130.00	2174	172.00	758
55.00	797	91.00	1666	131.00	784	173.00	2912
56.00	5994	92.00	13907	132.00	67	174.00	616192
57.00	10920	93.00	21560	134.00	61	175.00	42728
58.00	385	94.00	60384	135.00	736	176.00	598720
60.00	3380	95.00	582336	136.00	108	177.00	40760
61.00	18576	96.00	39408	137.00	846	178.00	1172
62.00	18504	97.00	1177	139.00	116	191.00	80
63.00	14277	103.00	258	140.00	368	193.00	55
64.00	1293	104.00	2044	141.00	4832	207.00	537
65.00	344	105.00	710	142.00	549	208.00	199
67.00	1083	106.00	2062	143.00	4989	209.00	73
68.00	46192	107.00	554	144.00	290	253.00	79
69.00	46520	110.00	242	145.00	468		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_001.d				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	18-Jul-2014 10:31:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0 mL	Dil. Factor:	1.0000		
Sample Info:	200-0008625-001				
Misc. Info.:	BFB				
Operator ID:	bl	Instrument ID:	CHW.i		
Method:	\\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\TO15_LLNJ_TO3_W_(v1).m				
Limit Group:	AI_TO15_ICAL				
Last Update:	18-Jul-2014 10:42:29	Calib Date:	15-Jun-2014 00:33:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK001				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
13 BFB									
* 43 Chlorobromomethane	128		12.850					0	
* 54 1,4-Difluorobenzene	114		14.727					0	
* 76 Chlorobenzene-d5	117		20.425					0	
$ 87 4-Bromofluorobenzene	95		22.436					ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

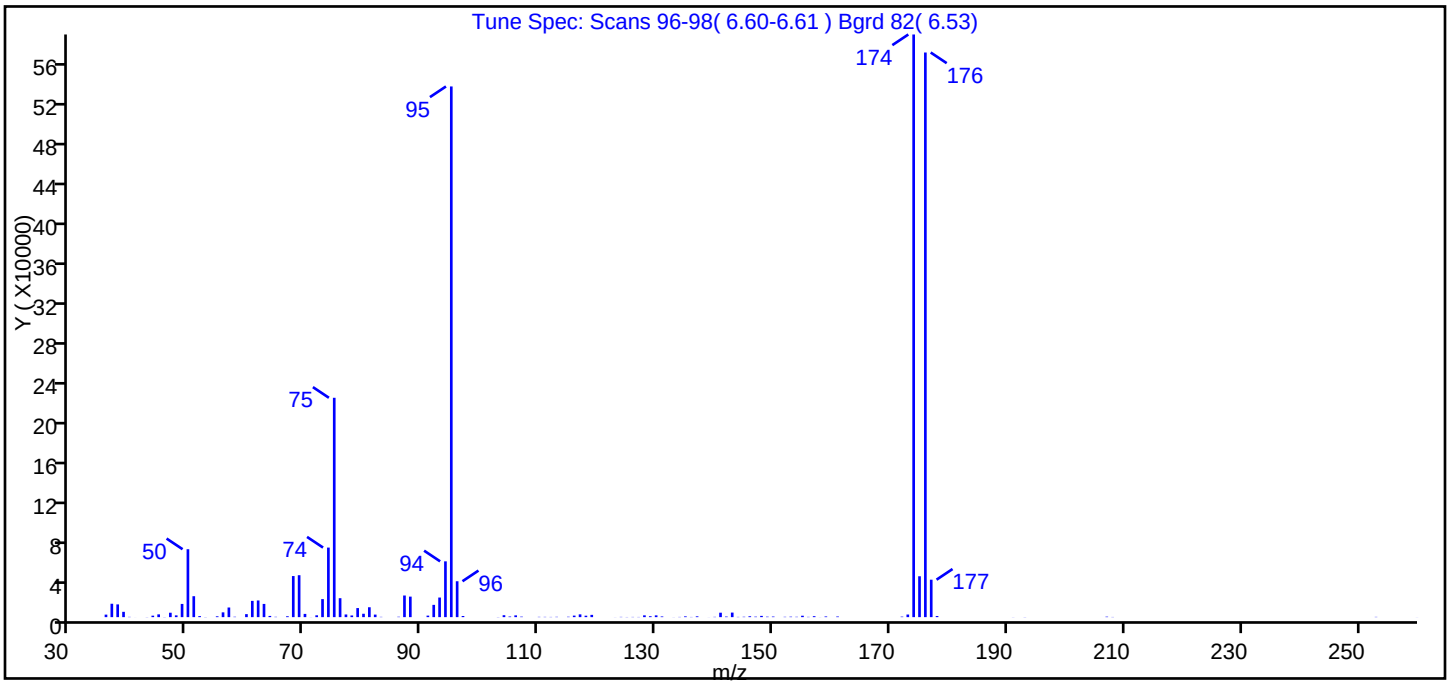
ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_001.d
Injection Date: 18-Jul-2014 10:31:30 Instrument ID: CHW.i
Lims ID: BFB
Client ID:
Operator ID: bl ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	12.80
75	30.00 - 66.00% of mass 95	41.30
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.50 (0.40)
174	50.00 - 120.00% of mass 95	109.80
175	4.00 - 9.00% of mass 174	7.70 (7.00)
176	93.00 - 101.00% of mass 174	106.40 (96.90)
177	5.00 - 9.00% of mass 176	7.10 (6.60)

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_001.d\TO15_LLNJ_TO3_W_(v1).rslt\spectra.d
Injection Date: 18-Jul-2014 10:31:30
Spectrum: Tune Spec: Scans 96-98(6.60-6.61) Bgrd 82(6.53)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 116

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2534	69.00	42136	107.00	501	144.00	256
37.00	13456	70.00	3261	110.00	292	145.00	387
38.00	12818	71.00	77	111.00	275	146.00	879
39.00	5345	72.00	1843	112.00	215	147.00	490
40.00	269	73.00	18120	113.00	323	148.00	1271
41.00	32	74.00	69904	115.00	402	149.00	462
43.00	121	75.00	220416	116.00	1547	150.00	585
44.00	1474	76.00	19040	117.00	2791	152.00	337
45.00	2791	77.00	2682	118.00	1457	153.00	476
46.00	137	78.00	1672	119.00	2288	154.00	353
47.00	4438	79.00	9120	123.00	64	155.00	1415
48.00	1792	80.00	3410	124.00	257	156.00	280
49.00	13279	81.00	9938	125.00	160	157.00	959
50.00	68248	82.00	2556	126.00	222	158.00	63
51.00	21040	83.00	282	127.00	194	159.00	694
52.00	1018	86.00	392	128.00	1813	161.00	641
53.00	146	87.00	21744	129.00	914	172.00	518
55.00	843	88.00	20624	130.00	1774	173.00	2629
56.00	4822	91.00	1531	131.00	685	174.00	585472
57.00	9686	92.00	12346	133.00	76	175.00	41080
58.00	389	93.00	19704	134.00	223	176.00	567360
60.00	3029	94.00	56072	135.00	775	177.00	37632
61.00	16351	95.00	533248	136.00	190	178.00	1108
62.00	16768	96.00	36072	137.00	815	191.00	83
63.00	13283	97.00	1142	139.00	52	193.00	123
64.00	1219	103.00	149	140.00	288	207.00	480
65.00	326	104.00	1941	141.00	4462	208.00	190
67.00	891	105.00	615	142.00	574	253.00	262
68.00	41288	106.00	1774	143.00	4582	260.00	52

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: MB 200-75017/4

Matrix: Air Lab File ID: 8602_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 13:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50	U	0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.20	U	0.20	0.030
76-13-1	Freon 113	187.38	0.20	U	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.0	U	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: MB 200-75017/4

Matrix: Air Lab File ID: 8602_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 13:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.20	U	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.023
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.0367	J	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.0405	J	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: MB 200-75017/4

Matrix: Air Lab File ID: 8602_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 13:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.0335	J	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.0614	J	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.0231	J	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: MB 200-75017/4

Matrix: Air Lab File ID: 8602_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 13:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	U	2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.1	U	1.1	0.17
76-13-1	Freon 113	187.38	1.5	U	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12	U	12	3.0
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: MB 200-75017/4

Matrix: Air Lab File ID: 8602_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 13:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.10
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	0.221	J	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	0.243	J	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: MB 200-75017/4

Matrix: Air Lab File ID: 8602_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 13:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.201	J	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	0.456	J	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	0.247	J	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_004.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 17-Jul-2014 13:20:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008602-004
Misc. Info.: MB
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 17-Jul-2014 14:15:30 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 17-Jul-2014 14:15:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
3 Difluoroethane TIC	51		3.150					ND	
4 Chlorotrifluoroethene TIC	116		3.162					ND	
5 Freon 115 TIC	85		3.180					ND	
1 Propene	41		4.392					0	
2 Dichlorodifluoromethane	85		4.488					ND	
6 Chlorodifluoromethane	51		4.552					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.836					ND	
8 Chloromethane	50		5.034					ND	
9 Butane	43		5.291					ND	
10 Vinyl chloride	62		5.349					ND	
11 Butadiene	54		5.446					ND	
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
12 Bromomethane	94		6.318					ND	
14 Chloroethane	64		6.601					ND	
15 2-Methylbutane	43		6.681					ND	
16 Vinyl bromide	106		7.077					ND	
17 Trichlorofluoromethane	101		7.190					ND	
28 Methyl Acetate TIC	43		7.342					ND	
18 Pentane	43		7.355					ND	
19 Ethanol	45		7.800					ND	
21 Ethyl ether	59		7.939					ND	
22 Acrolein	56		8.404					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		8.436					ND	
24 1,1-Dichloroethene	96		8.511					ND	
25 Acetone	43		8.741					ND	
26 Carbon disulfide	76		9.003					ND	
27 Isopropyl alcohol	45		9.025					ND	
29 3-Chloro-1-propene	41		9.399					ND	
30 Acetonitrile	41		9.527					ND	
31 Methylene Chloride	49		9.731					ND	
32 2-Methyl-2-propanol	59		9.897					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Methyl tert-butyl ether	73		10.148					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
34 trans-1,2-Dichloroethene	61		10.228					ND	
35 Acrylonitrile	53		10.373					ND	
36 Hexane	57		10.640					ND	
37 1,1-Dichloroethane	63		11.191					ND	
38 Vinyl acetate	43		11.223					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
39 cis-1,2-Dichloroethene	96		12.363					ND	
40 2-Butanone (MEK)	72		12.379					ND	
42 Ethyl acetate	88		12.390					ND	
44 Tetrahydrofuran	42		12.839					ND	
* 43 Chlorobromomethane	128	12.845	12.850	-0.006	73	482756	10.0	10.0	
45 Chloroform	83		12.957					ND	
46 Cyclohexane	84		13.256					ND	
47 1,1,1-Trichloroethane	97		13.262					ND	
48 Carbon tetrachloride	117		13.524					ND	
51 Isooctane	57		13.909					ND	
50 Benzene	78		13.973					ND	
52 1,2-Dichloroethane	62		14.134					ND	
53 n-Heptane	43		14.262					ND	
* 54 1,4-Difluorobenzene	114	14.728	14.727	0.001	91	2383873	10.0	10.0	
A 57 GRO	1	14.768	(6.671-22.864)		0	460275		0	
55 n-Butanol	56		15.011					ND	
56 Trichloroethene	95		15.198					ND	
58 1,2-Dichloropropane	63		15.712					ND	
59 Methyl methacrylate	69		15.797					ND	
60 1,4-Dioxane	88		15.888					ND	
61 Dibromomethane	174		15.958					ND	
62 Dichlorobromomethane	83		16.209					ND	
A 63 TVOC as Toluene	92		(4.382-28.866)					0	
64 cis-1,3-Dichloropropene	75		17.071					ND	
65 4-Methyl-2-pentanone (MIBK	43		17.301					ND	
A 68 C8 Range	1	17.644	(17.582-17.682)		0	2768		NC	
69 n-Octane	43		17.632					ND	
A 67 Toluene Range	92		(17.598-17.678)					0	
66 Toluene	92	17.649	17.638	0.011	91	546		0.003635	
70 trans-1,3-Dichloropropene	75		18.173					ND	
71 1,1,2-Trichloroethane	83		18.542					ND	
72 Tetrachloroethene	166		18.681					ND	
73 2-Hexanone	43		18.927					ND	
74 Chlorodibromomethane	129		19.296					ND	
81 1,2-Dibromo-3-Chloropropan	75		19.300					ND	
75 Ethylene Dibromide	107		19.580					ND	
S 82 Xylenes, Total	106		20.100					0	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	81	2113721	10.0	10.0	
77 Chlorobenzene	112		20.478					ND	
78 Ethylbenzene	91		20.596					ND	
79 n-Nonane	57		20.650					ND	
80 m-Xylene & p-Xylene	106		20.810					ND	
83 o-Xylene	106		21.527					ND	
84 Styrene	104		21.564					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 Bromoform	173		21.949					ND	
86 Isopropylbenzene	105		22.094					ND	
$ 87 4-Bromofluorobenzene	95	22.437	22.436	0.001	98	1236343	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		22.666					ND	
90 N-Propylbenzene	91		22.741					ND	
89 1,2,3-Trichloropropane	75		22.768					ND	
93 n-Decane	57		22.854					ND	
91 4-Ethyltoluene	105		22.907					ND	
92 2-Chlorotoluene	91		22.945					ND	
94 1,3,5-Trimethylbenzene	105		22.998					ND	
95 Alpha Methyl Styrene	118		23.351					ND	
96 tert-Butylbenzene	119		23.474					ND	
97 1,2,4-Trimethylbenzene	105		23.565					ND	
98 sec-Butylbenzene	105		23.806					ND	
99 4-Isopropyltoluene	119		24.009					ND	
100 1,3-Dichlorobenzene	146	24.079	24.079	0.000	98	8659		0.0367	
101 1,4-Dichlorobenzene	146	24.223	24.223	0.000	96	9321		0.0405	
102 Benzyl chloride	91		24.432					ND	
104 Undecane	57		24.619					ND	
103 n-Butylbenzene	91		24.640					ND	
105 1,2-Dichlorobenzene	146	24.828	24.828	0.000	95	7699		0.0335	M
106 Dodecane	57		26.411					ND	
107 1,2,4-Trichlorobenzene	180	27.695	27.706	-0.011	93	11446		0.0614	
108 Hexachlorobutadiene	225	27.909	27.904	0.005	89	4501		0.0231	
109 Naphthalene	128		28.289					ND	
110 1,2,3-Trichlorobenzene	180		28.856					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

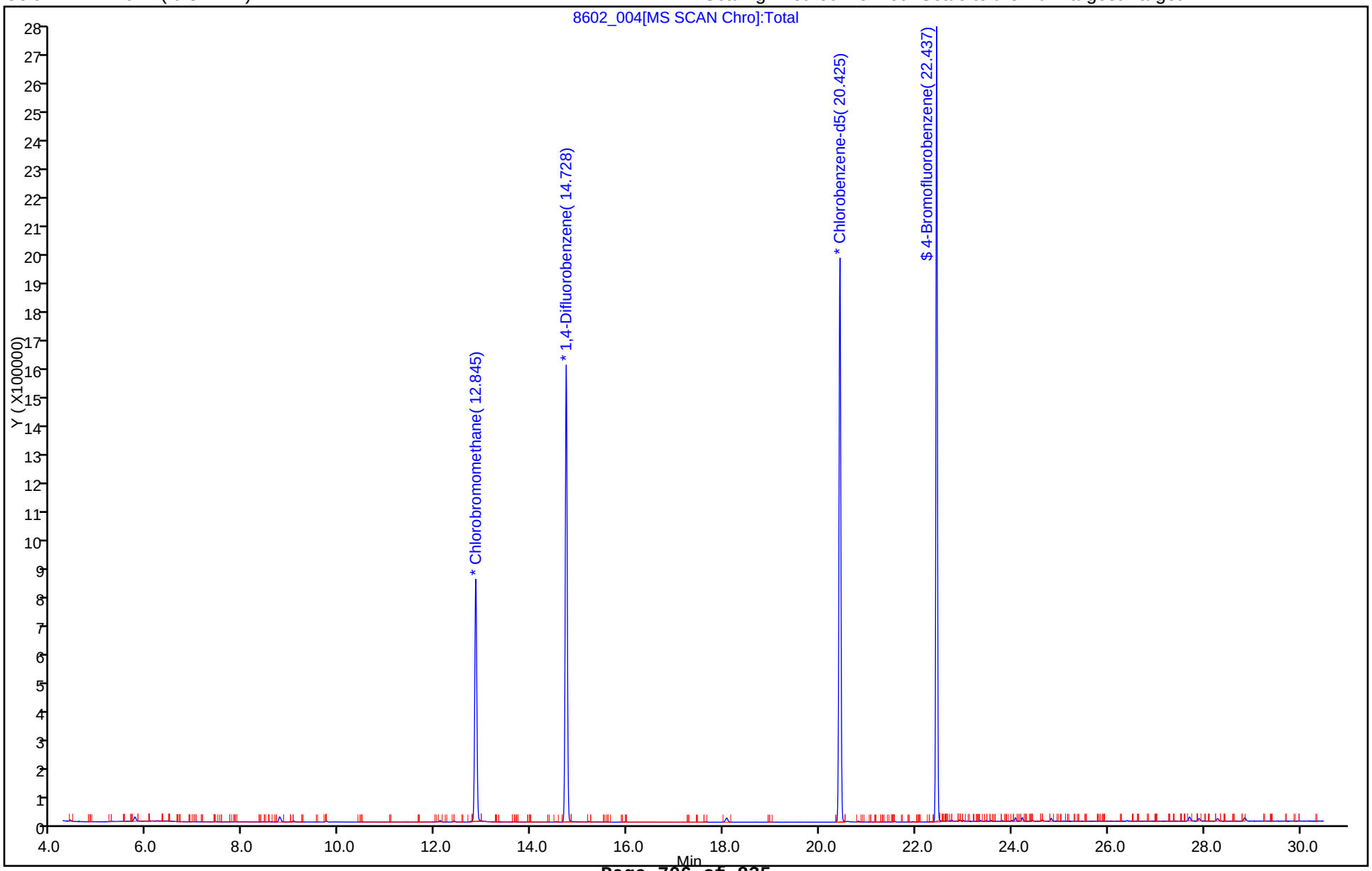
Report Date: 17-Jul-2014 14:15:31 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_004.d

Injection Date:	17-Jul-2014 13:20:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	MB			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 17-Jul-2014 14:15:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_004.d

Injection Date: 17-Jul-2014 13:20:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

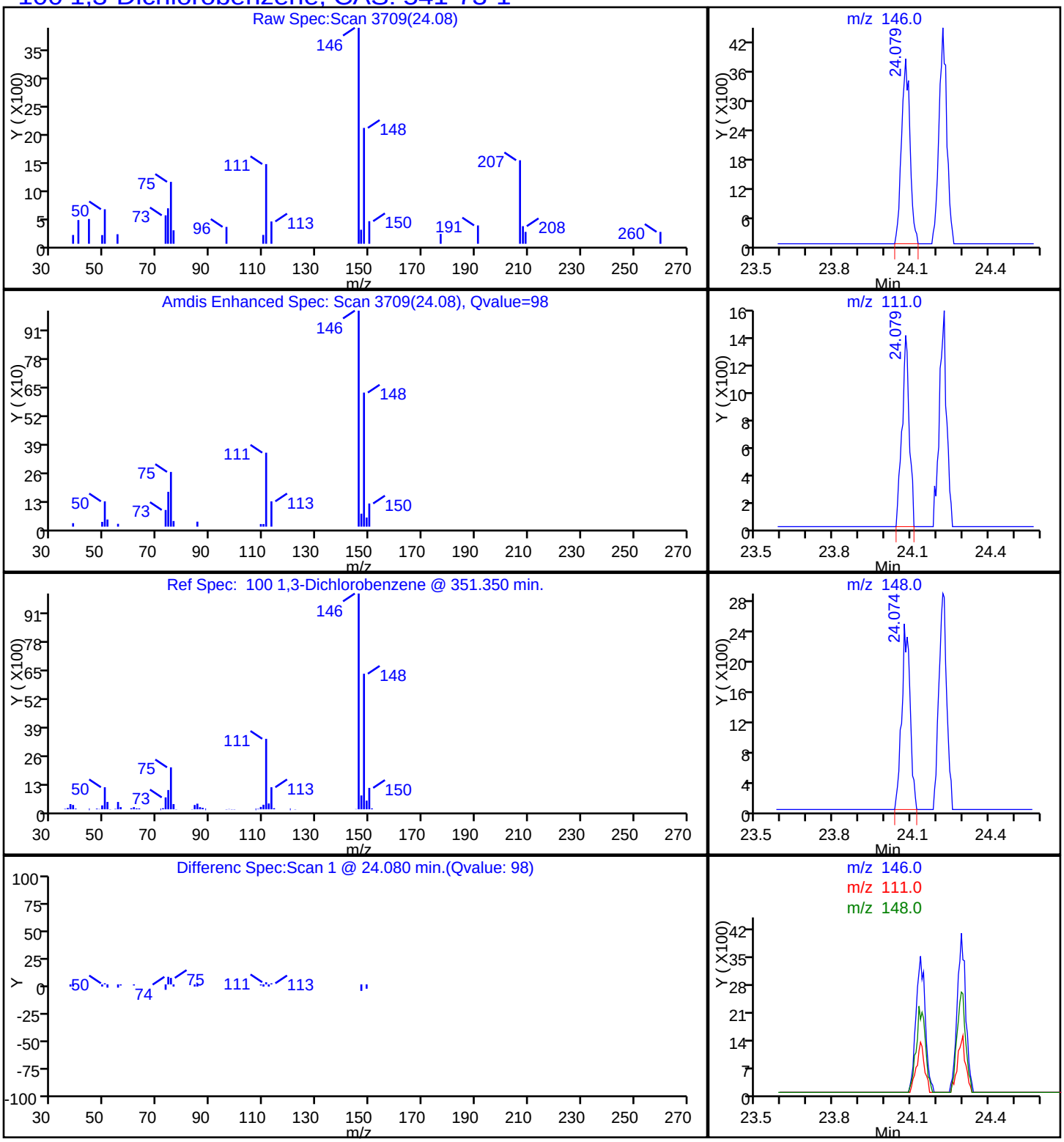
Operator ID: bl ALS Bottle#: 3 Worklist Smp#: 4

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

100 1,3-Dichlorobenzene, CAS: 541-73-1



Report Date: 17-Jul-2014 14:15:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_004.d

Injection Date: 17-Jul-2014 13:20:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

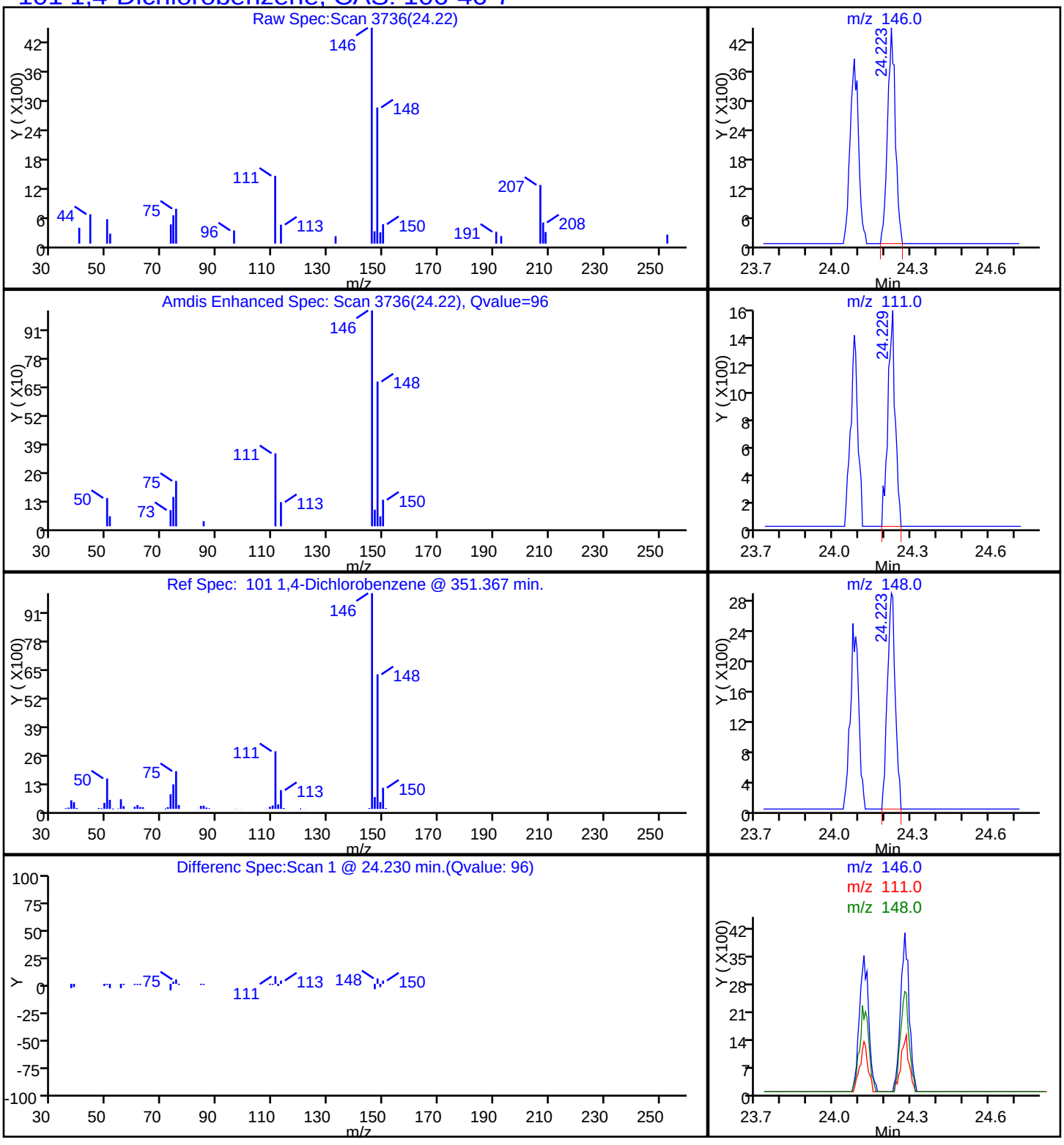
Operator ID: bl ALS Bottle#: 3 Worklist Smp#: 4

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

101 1,4-Dichlorobenzene, CAS: 106-46-7



Report Date: 17-Jul-2014 14:15:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_004.d

Injection Date: 17-Jul-2014 13:20:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

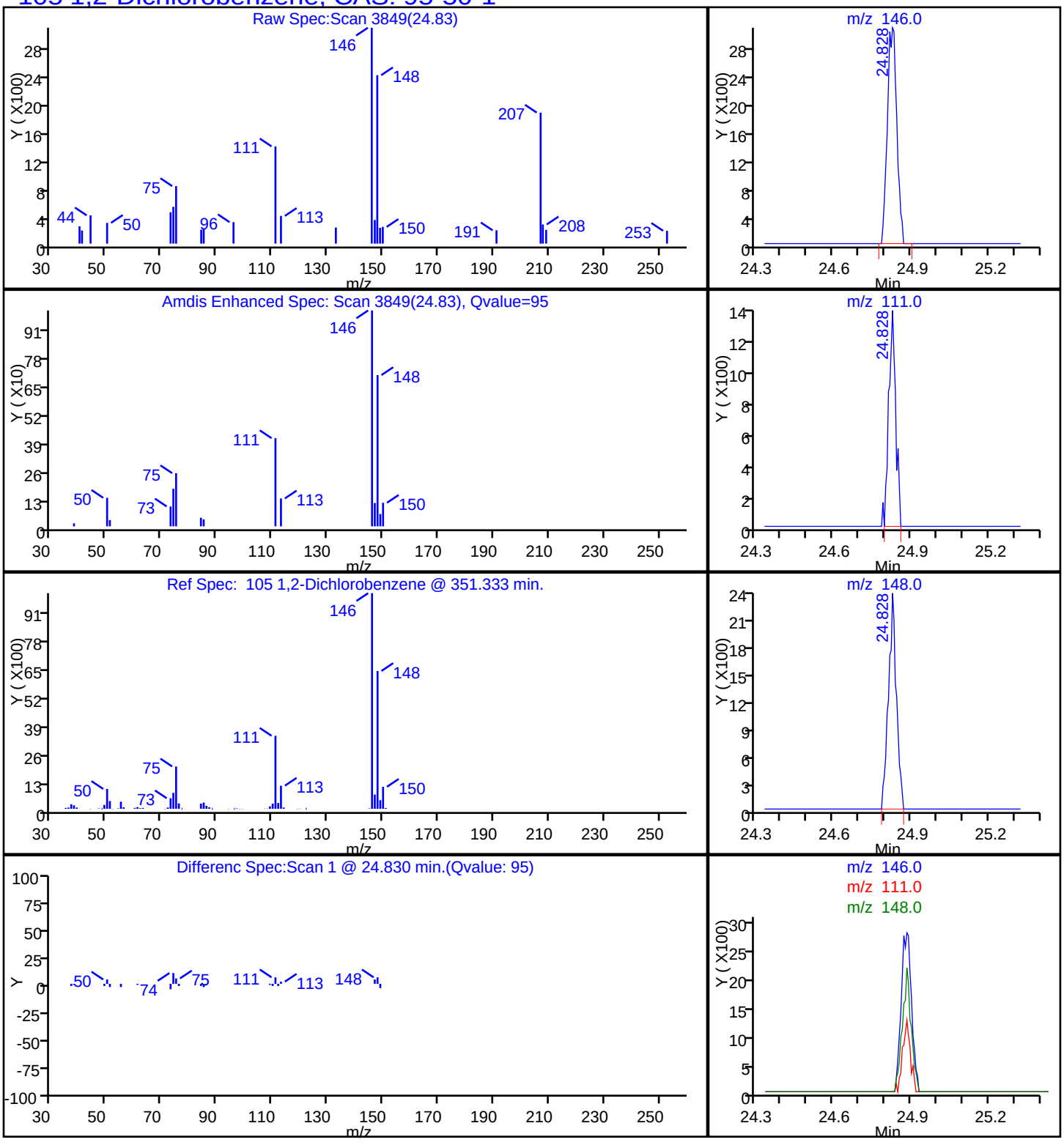
Operator ID: bl ALS Bottle#: 3 Worklist Smp#: 4

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

105 1,2-Dichlorobenzene, CAS: 95-50-1



Report Date: 17-Jul-2014 14:15:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_004.d

Injection Date: 17-Jul-2014 13:20:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

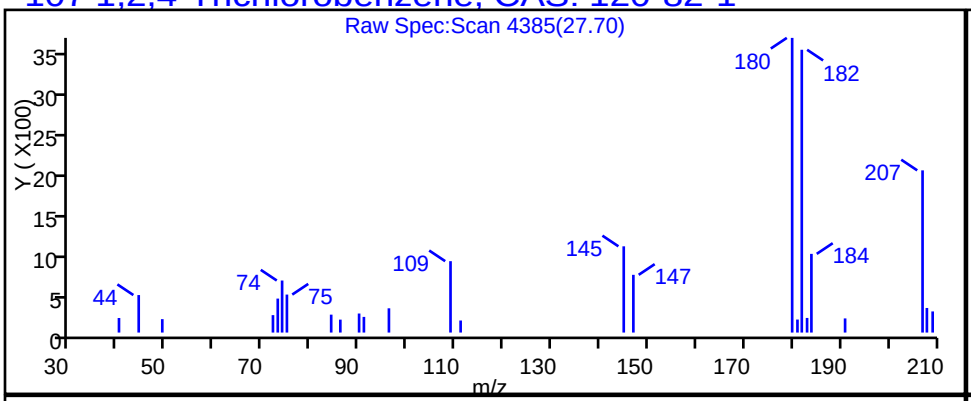
Operator ID: bl ALS Bottle#: 3 Worklist Smp#: 4

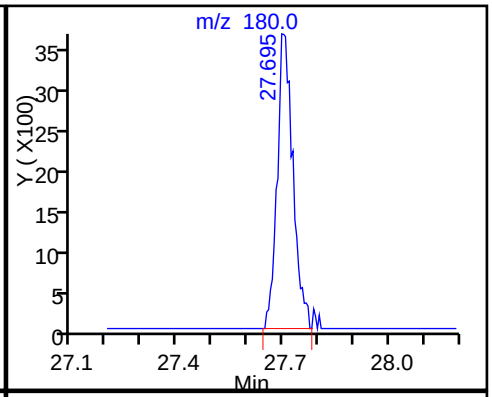
Purge Vol: 200.000 mL Dil. Factor: 1.0000

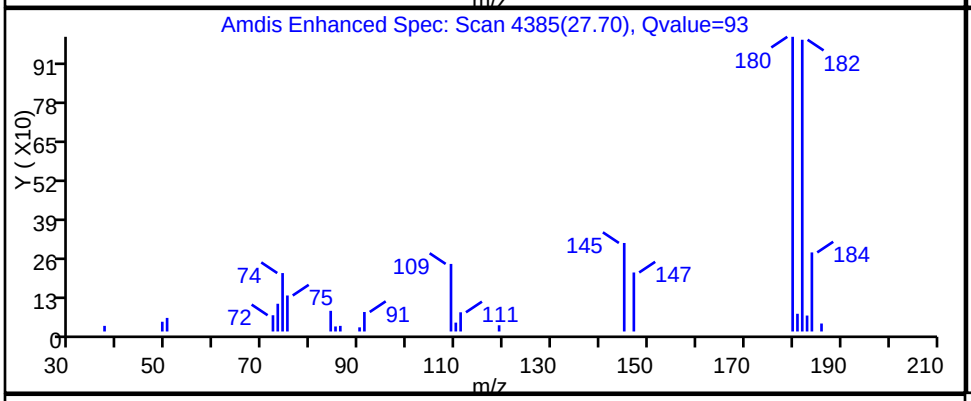
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

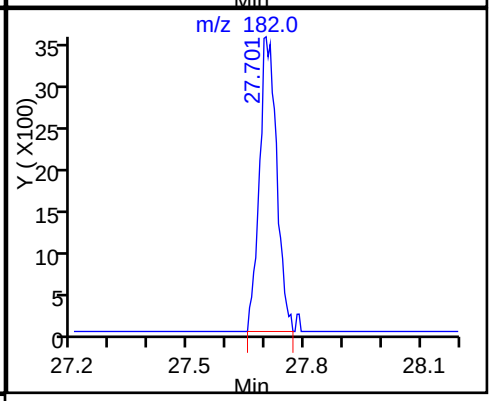
Column: RTX-624 (0.32 mm) Detector MS SCAN

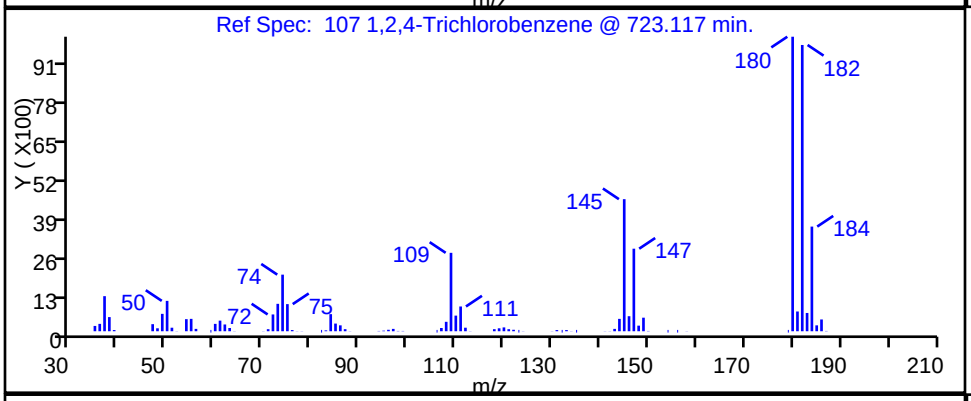
107 1,2,4-Trichlorobenzene, CAS: 120-82-1

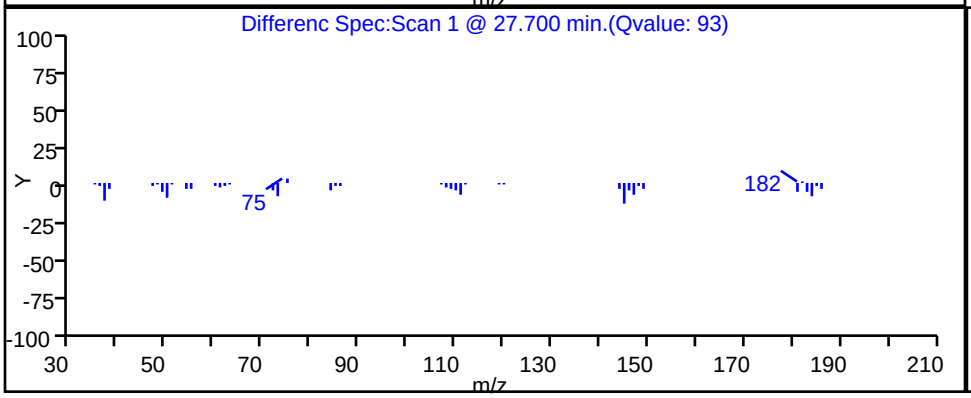


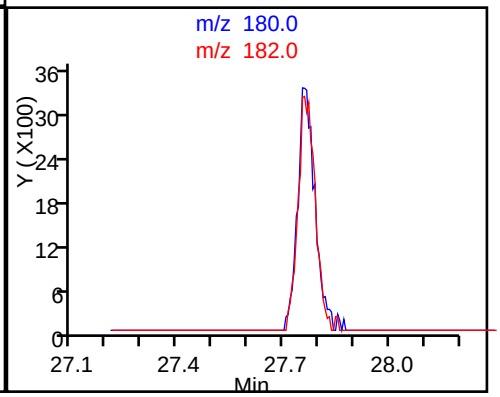












Report Date: 17-Jul-2014 14:15:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_004.d

Injection Date: 17-Jul-2014 13:20:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

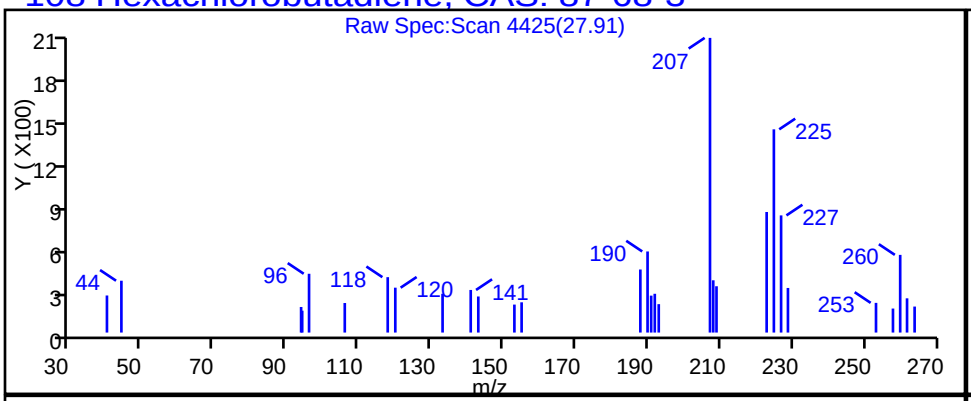
Operator ID: bl ALS Bottle#: 3 Worklist Smp#: 4

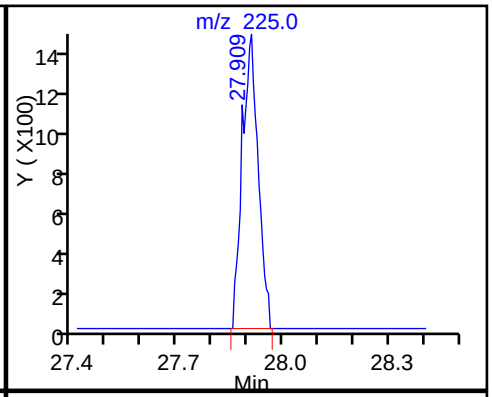
Purge Vol: 200.000 mL Dil. Factor: 1.0000

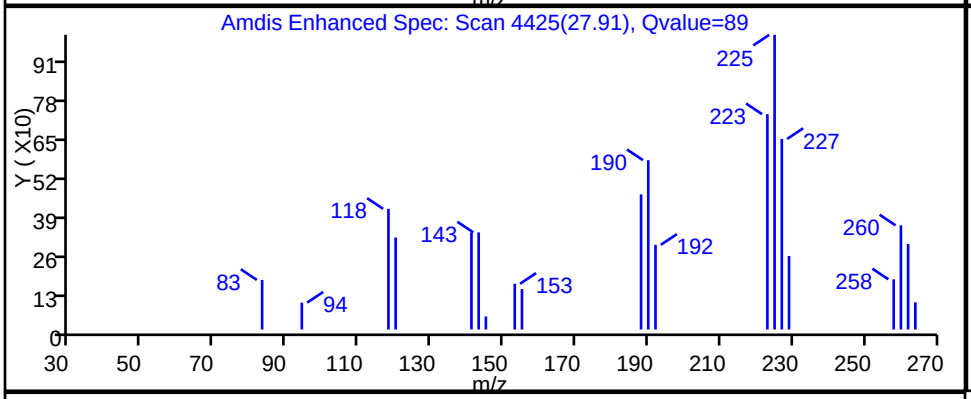
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

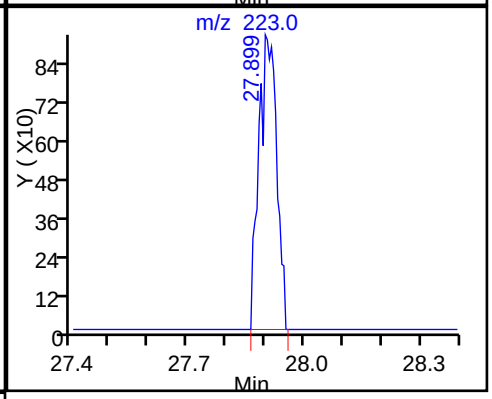
Column: RTX-624 (0.32 mm) Detector MS SCAN

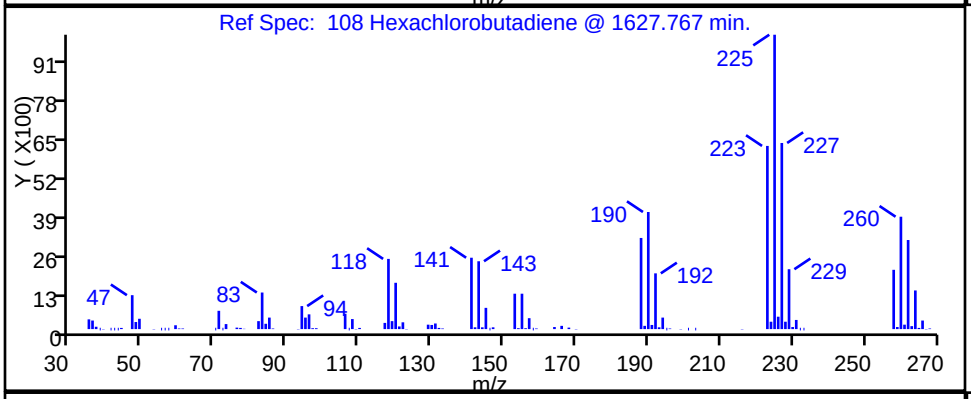
108 Hexachlorobutadiene, CAS: 87-68-3

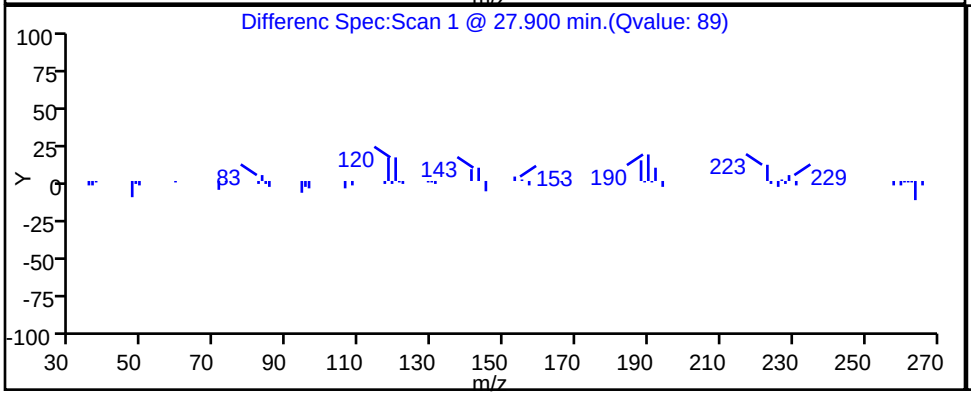


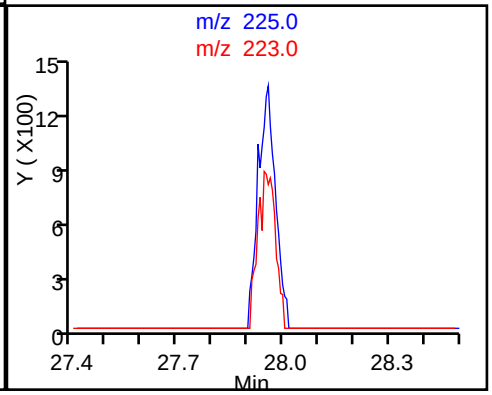












Manual Integration/User Assign Peak Report

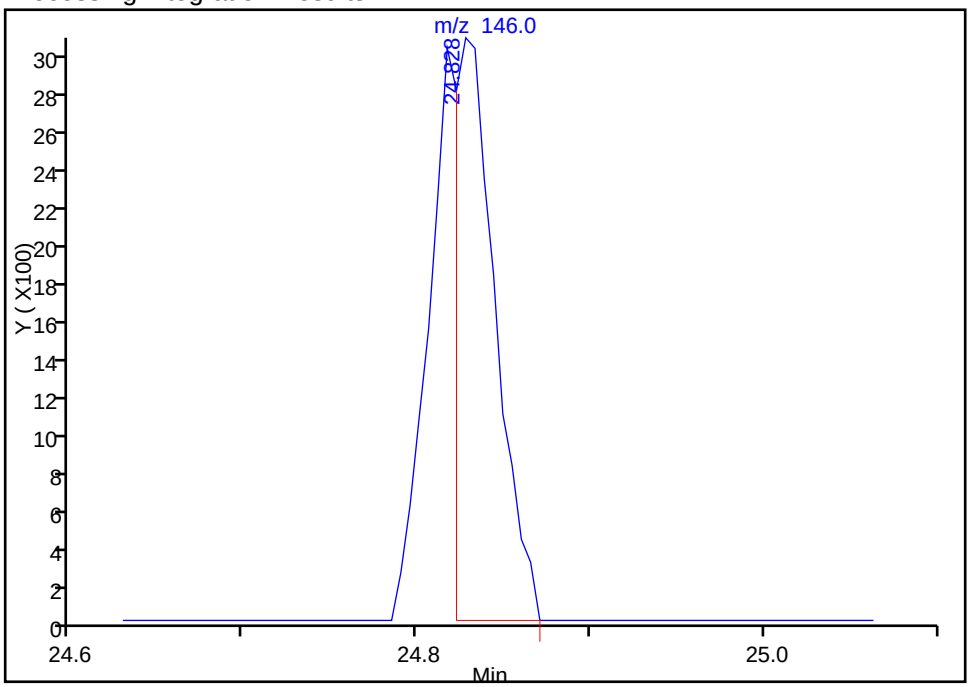
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_004.d				
Injection Date:	17-Jul-2014 13:20:30	Instrument ID:	CHW.i		
Lims ID:	MB				
Client ID:					
Operator ID:	bl	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

105 1,2-Dichlorobenzene, CAS: 95-50-1

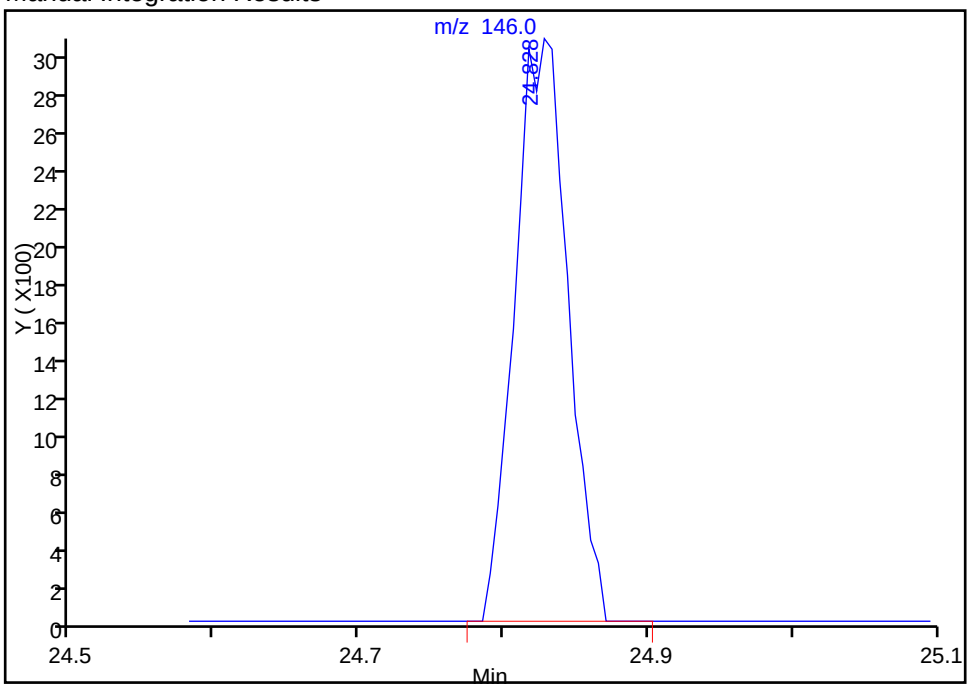
Processing Integration Results

RT: 24.83
Response: 4941
Amount: 0.021495



Manual Integration Results

RT: 24.83
Response: 7699
Amount: 0.033493



Reviewer: lyonsb, 17-Jul-2014 14:15:20
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: MB 200-75073/4

Matrix: Air Lab File ID: 8625_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/18/2014 14:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75073 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50	U	0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.20	U	0.20	0.030
76-13-1	Freon 113	187.38	0.20	U	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.0	U	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: MB 200-75073/4

Matrix: Air Lab File ID: 8625_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/18/2014 14:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75073 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.20	U	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.023
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.0100	J	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.0137	J	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.0375	J	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.0409	J	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: MB 200-75073/4

Matrix: Air Lab File ID: 8625_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/18/2014 14:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75073 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.0390	J	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.0700	J	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.0234	J	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: MB 200-75073/4

Matrix: Air Lab File ID: 8625_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/18/2014 14:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75073 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	U	2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.1	U	1.1	0.17
76-13-1	Freon 113	187.38	1.5	U	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12	U	12	3.0
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: MB 200-75073/4

Matrix: Air Lab File ID: 8625_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/18/2014 14:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75073 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.10
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	0.104	J	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	0.0708	J	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	0.226	J	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	0.246	J	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: MB 200-75073/4

Matrix: Air Lab File ID: 8625_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/18/2014 14:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75073 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.234	J	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	0.519	J	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	0.250	J	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_004.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 18-Jul-2014 14:26:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008625-004
Misc. Info.: mb
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 09:25:53 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: lyonsb Date: 21-Jul-2014 09:25:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
3 Difluoroethane TIC	51		3.150					ND	
4 Chlorotrifluoroethene TIC	116		3.162					ND	
5 Freon 115 TIC	85		3.180					ND	
1 Propene	41		4.397					ND	
2 Dichlorodifluoromethane	85		4.494					ND	
6 Chlorodifluoromethane	51		4.558					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.841					ND	
8 Chloromethane	50		5.034					ND	
9 Butane	43		5.301					ND	
10 Vinyl chloride	62		5.360					ND	
11 Butadiene	54		5.451					ND	
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
12 Bromomethane	94		6.318					ND	
14 Chloroethane	64		6.601					ND	
15 2-Methylbutane	43		6.687					ND	
16 Vinyl bromide	106		7.077					ND	
17 Trichlorofluoromethane	101		7.195					ND	
28 Methyl Acetate TIC	43		7.342					ND	
18 Pentane	43		7.356					ND	
19 Ethanol	45		7.810					ND	
21 Ethyl ether	59		7.939					ND	
22 Acrolein	56		8.404					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		8.442					ND	
24 1,1-Dichloroethene	96		8.516					ND	
25 Acetone	43		8.747					ND	
26 Carbon disulfide	76		9.003					ND	
27 Isopropyl alcohol	45		9.035					0	
29 3-Chloro-1-propene	41		9.399					ND	
30 Acetonitrile	41		9.533					ND	
31 Methylene Chloride	49		9.731					ND	
32 2-Methyl-2-propanol	59		9.907					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Methyl tert-butyl ether	73		10.153					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
34 trans-1,2-Dichloroethene	61		10.228					ND	
35 Acrylonitrile	53		10.373					ND	
36 Hexane	57		10.640					ND	
37 1,1-Dichloroethane	63		11.191					ND	
38 Vinyl acetate	43		11.223					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
39 cis-1,2-Dichloroethene	96		12.368					ND	
40 2-Butanone (MEK)	72		12.379					ND	
42 Ethyl acetate	88		12.395					ND	
44 Tetrahydrofuran	42		12.839					ND	
* 43 Chlorobromomethane	128	12.844	12.844	0.000	72	522880	10.0	10.0	
45 Chloroform	83		12.957					ND	
46 Cyclohexane	84		13.256					ND	
47 1,1,1-Trichloroethane	97		13.267					ND	
48 Carbon tetrachloride	117		13.524					ND	
51 Isooctane	57		13.914					ND	
50 Benzene	78		13.973					ND	
52 1,2-Dichloroethane	62		14.128					ND	
53 n-Heptane	43		14.262					ND	
* 54 1,4-Difluorobenzene	114	14.728	14.733	-0.005	91	2573406	10.0	10.0	
A 57 GRO	1	14.762	(6.677-22.848)		0	481351		0	
55 n-Butanol	56		15.016					ND	
56 Trichloroethene	95		15.198					ND	
58 1,2-Dichloropropane	63		15.712					ND	
59 Methyl methacrylate	69		15.797					ND	
60 1,4-Dioxane	88		15.894					ND	
61 Dibromomethane	174		15.958					ND	
62 Dichlorobromomethane	83		16.209					ND	
A 63 TVOC as Toluene	92		(4.387-28.855)					0	
64 cis-1,3-Dichloropropene	75		17.071					ND	
65 4-Methyl-2-pentanone (MIBK	43		17.301					ND	
69 n-Octane	43		17.632					ND	
A 68 C8 Range	1	17.632	(17.582-17.682)		0	6852		NC	
66 Toluene	92		17.643					ND	
A 67 Toluene Range	92		(17.603-17.683)					0	
70 trans-1,3-Dichloropropene	75		18.173					ND	
71 1,1,2-Trichloroethane	83		18.542					ND	
72 Tetrachloroethene	166		18.681					ND	
73 2-Hexanone	43		18.927					ND	
81 1,2-Dibromo-3-Chloropropan	75		19.300					ND	
74 Chlorodibromomethane	129		19.301					ND	
75 Ethylene Dibromide	107		19.580					ND	
S 82 Xylenes, Total	106				0			0.0201	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	85	2299659	10.0	10.0	
77 Chlorobenzene	112		20.484					ND	
78 Ethylbenzene	91		20.596					ND	
79 n-Nonane	57		20.650					ND	
80 m-Xylene & p-Xylene	106	20.805	20.810	-0.005	95	2067		0.0149	
83 o-Xylene	106	21.527	21.527	0.000	78	740		0.005217	
84 Styrene	104		21.564					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 Bromoform	173	21.944	21.944	0.000	89	1748		0.0100	
86 Isopropylbenzene	105		22.089					ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.431	-0.005	97	1373223	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		22.656					ND	
90 N-Propylbenzene	91		22.725					ND	
89 1,2,3-Trichloropropane	75		22.757					ND	
93 n-Decane	57		22.838					ND	
91 4-Ethyltoluene	105		22.891					ND	
92 2-Chlorotoluene	91	22.929	22.929	0.000	89	4312		0.0137	
94 1,3,5-Trimethylbenzene	105		22.982					ND	
95 Alpha Methyl Styrene	118		23.335					ND	
96 tert-Butylbenzene	119		23.458					ND	
97 1,2,4-Trimethylbenzene	105		23.555					ND	
98 sec-Butylbenzene	105		23.790					ND	
99 4-Isopropyltoluene	119		23.993					ND	
100 1,3-Dichlorobenzene	146	24.063	24.063	0.000	98	9627		0.0375	
101 1,4-Dichlorobenzene	146	24.207	24.207	0.000	97	10252		0.0409	
102 Benzyl chloride	91		24.416					ND	
104 Undecane	57		24.603					ND	
103 n-Butylbenzene	91		24.630					ND	
105 1,2-Dichlorobenzene	146	24.806	24.812	-0.006	97	9753		0.0390	
106 Dodecane	57		26.401					ND	
107 1,2,4-Trichlorobenzene	180	27.695	27.695	0.000	89	14184		0.0700	
108 Hexachlorobutadiene	225	27.898	27.898	0.000	94	4953		0.0234	
109 Naphthalene	128		28.284					ND	
110 1,2,3-Trichlorobenzene	180		28.845					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

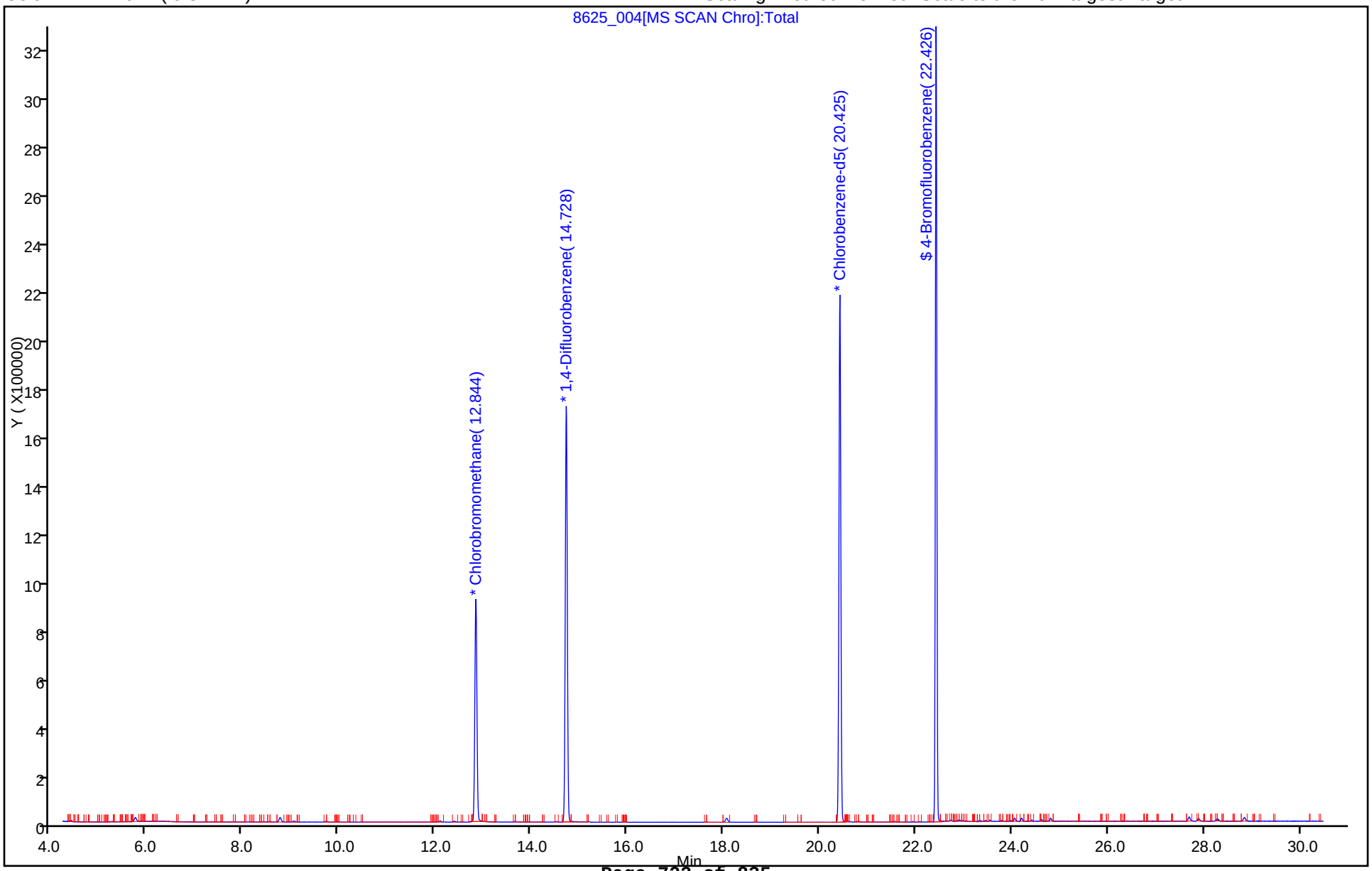
Report Date: 21-Jul-2014 09:25:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_004.d

Injection Date:	18-Jul-2014 14:26:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	MB			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 21-Jul-2014 09:25:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_004.d

Injection Date: 18-Jul-2014 14:26:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

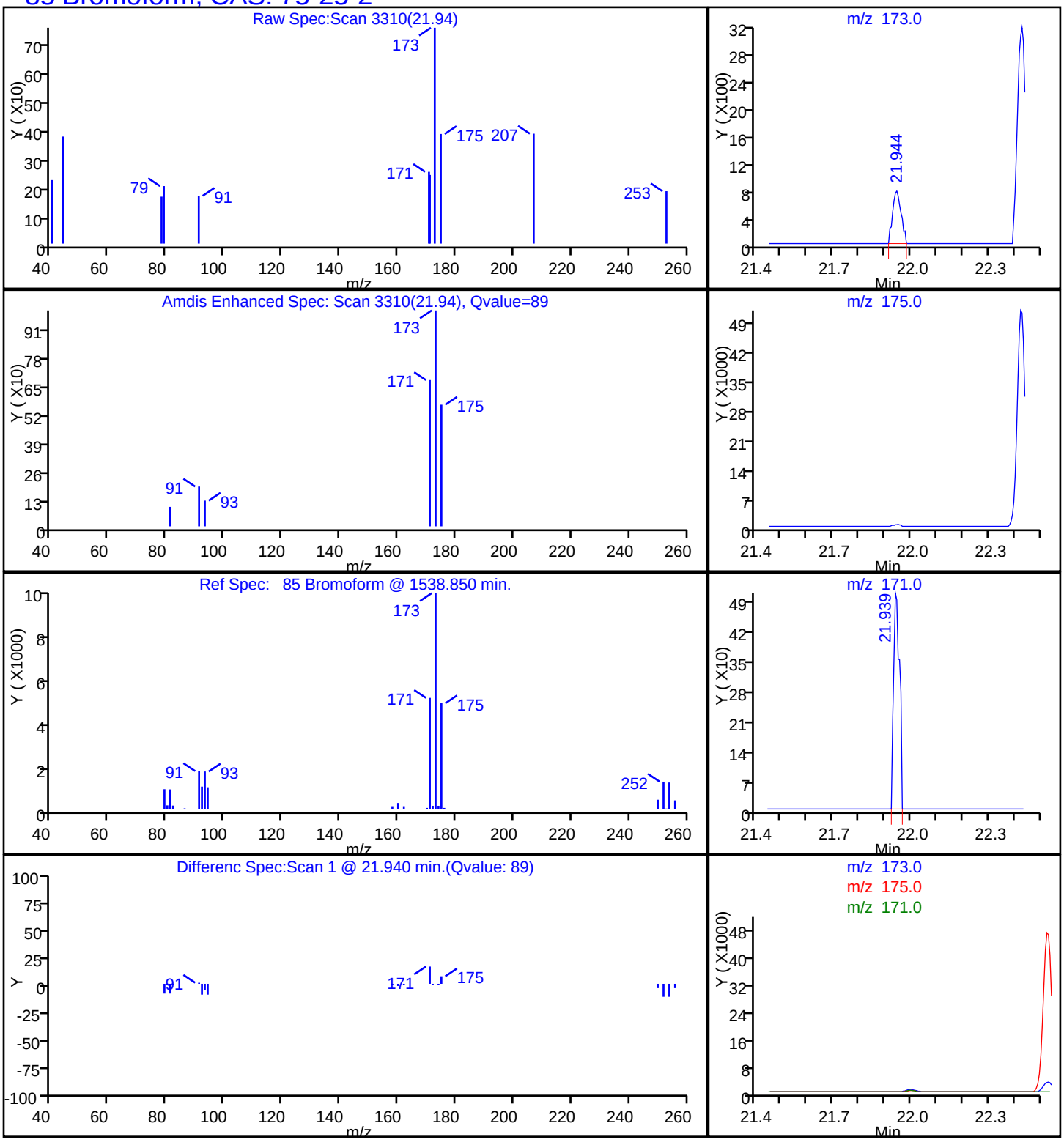
Operator ID: bl ALS Bottle#: 3 Worklist Smp#: 4

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

85 Bromoform, CAS: 75-25-2



Report Date: 21-Jul-2014 09:25:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_004.d

Injection Date: 18-Jul-2014 14:26:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

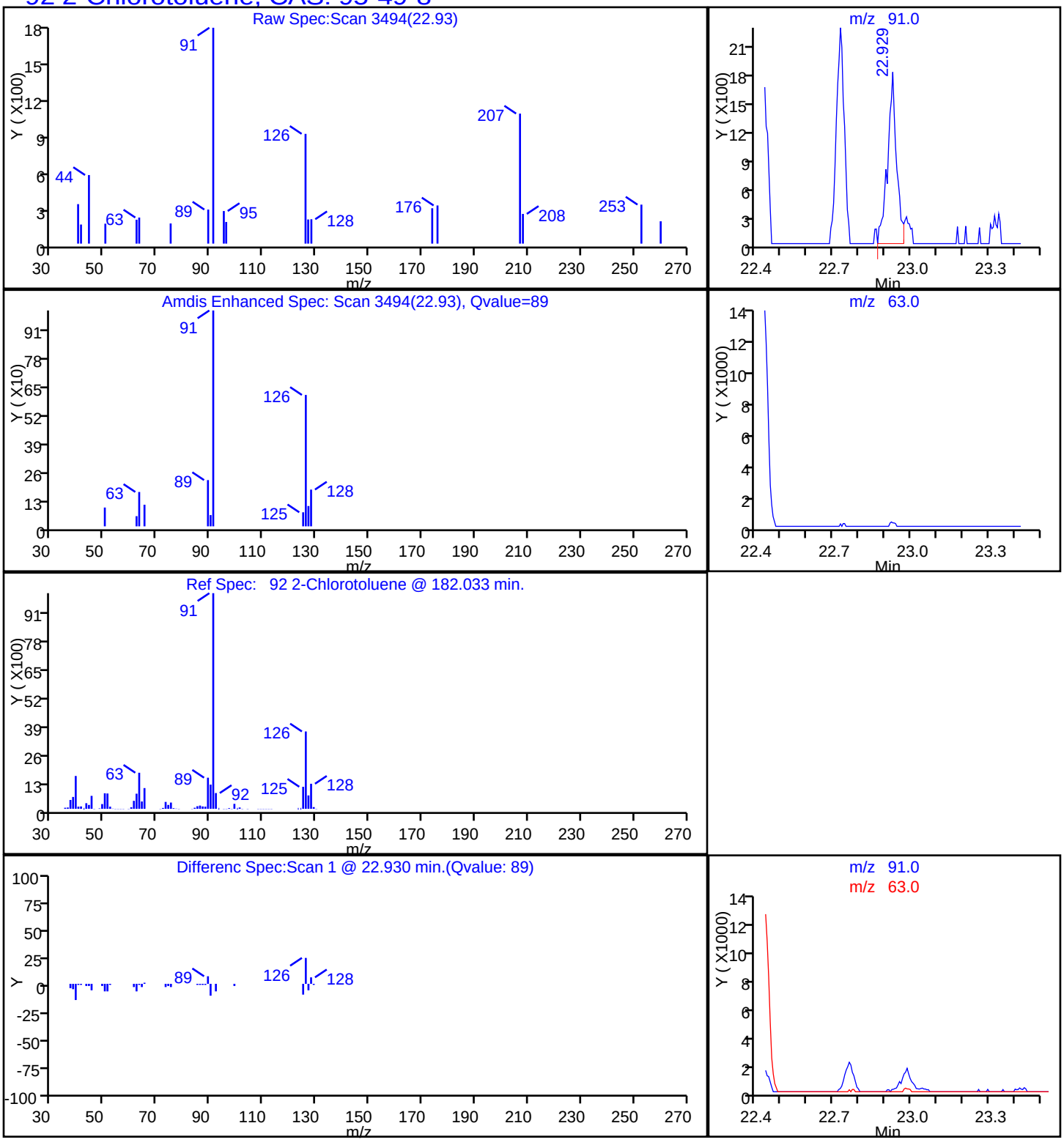
Operator ID: bl ALS Bottle#: 3 Worklist Smp#: 4

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

92 2-Chlorotoluene, CAS: 95-49-8



Report Date: 21-Jul-2014 09:25:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_004.d

Injection Date: 18-Jul-2014 14:26:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

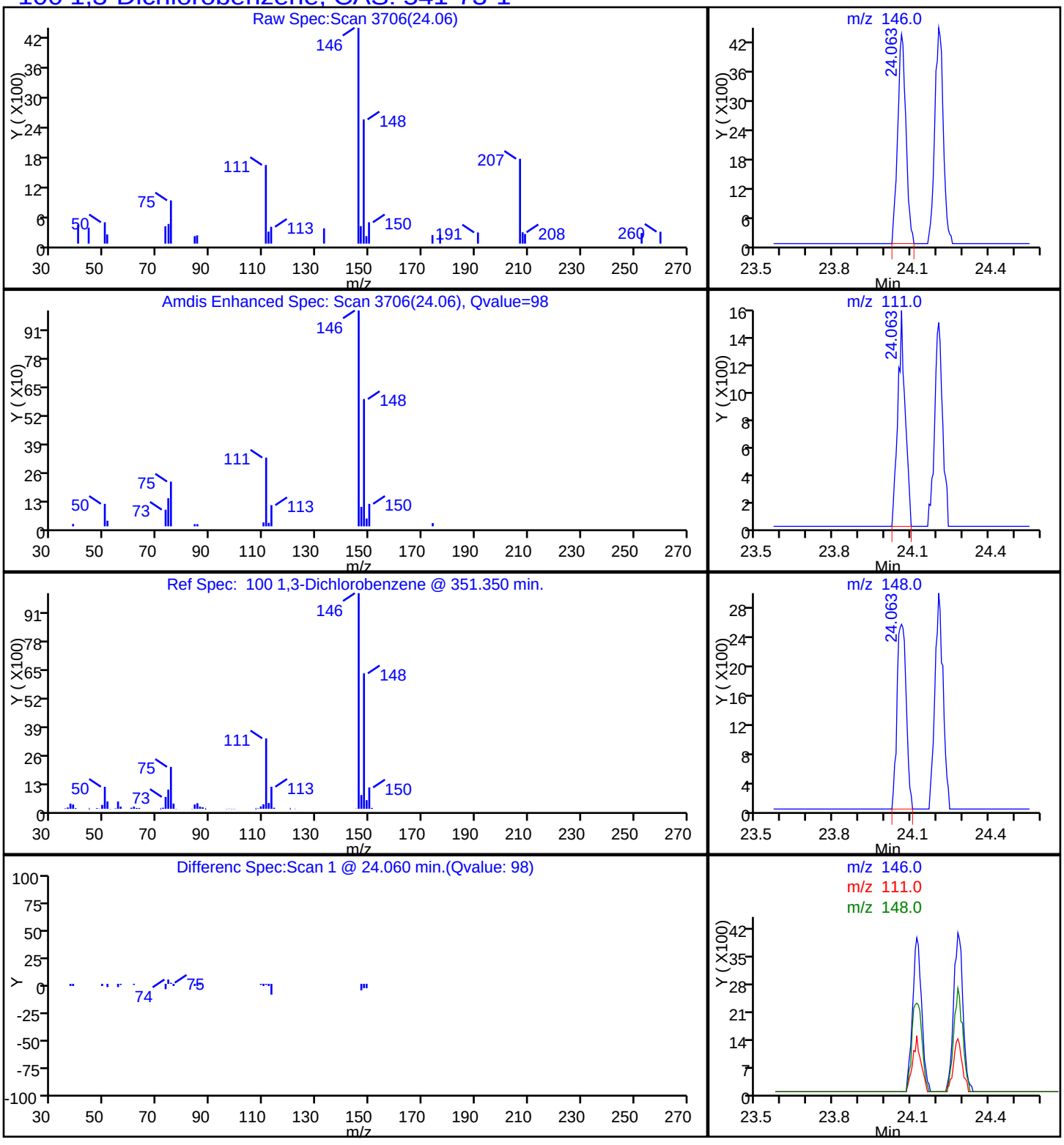
Operator ID: bl ALS Bottle#: 3 Worklist Smp#: 4

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

100 1,3-Dichlorobenzene, CAS: 541-73-1



Report Date: 21-Jul-2014 09:25:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_004.d

Injection Date: 18-Jul-2014 14:26:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

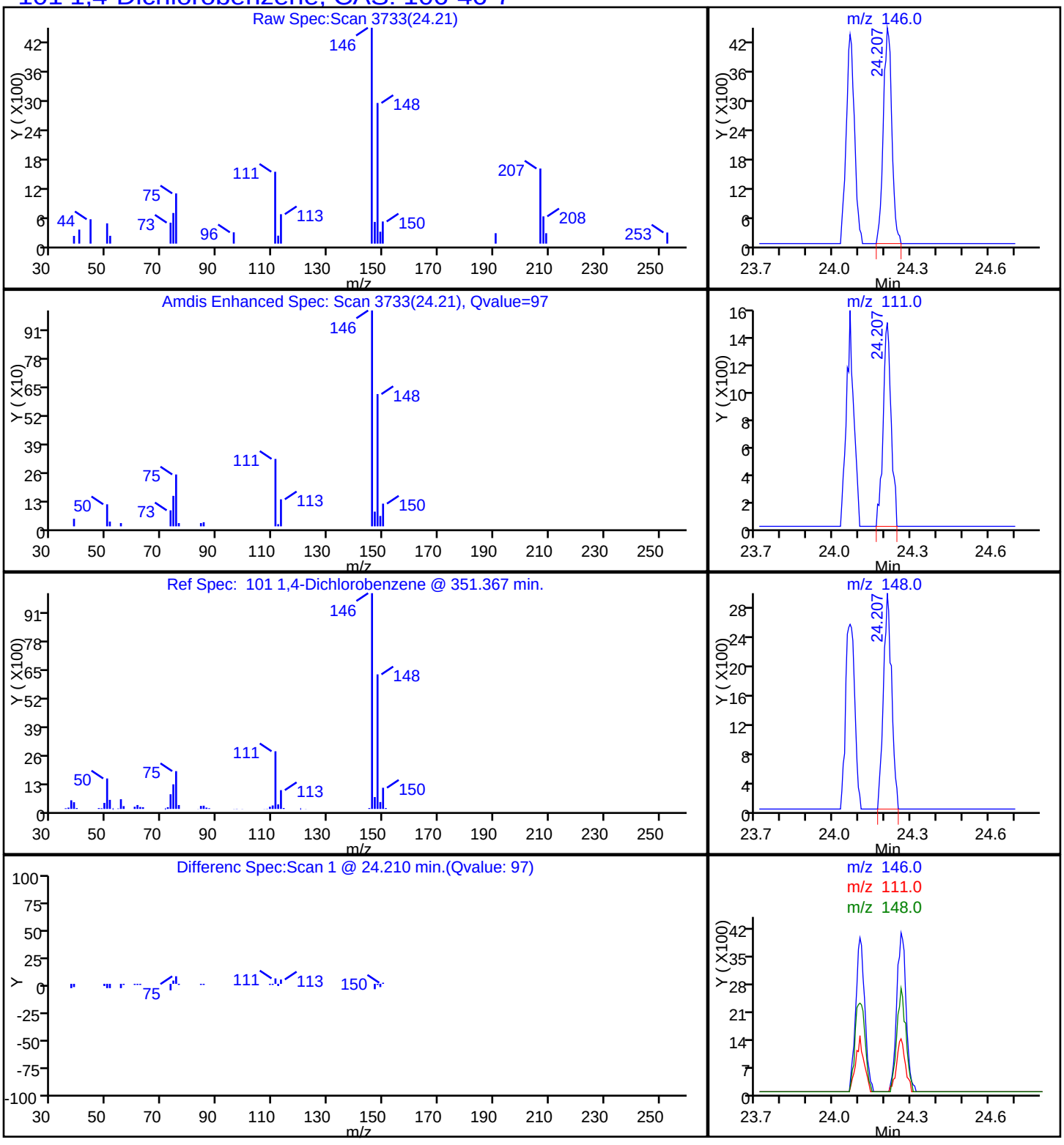
Operator ID: bl ALS Bottle#: 3 Worklist Smp#: 4

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

101 1,4-Dichlorobenzene, CAS: 106-46-7



Report Date: 21-Jul-2014 09:25:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_004.d

Injection Date: 18-Jul-2014 14:26:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

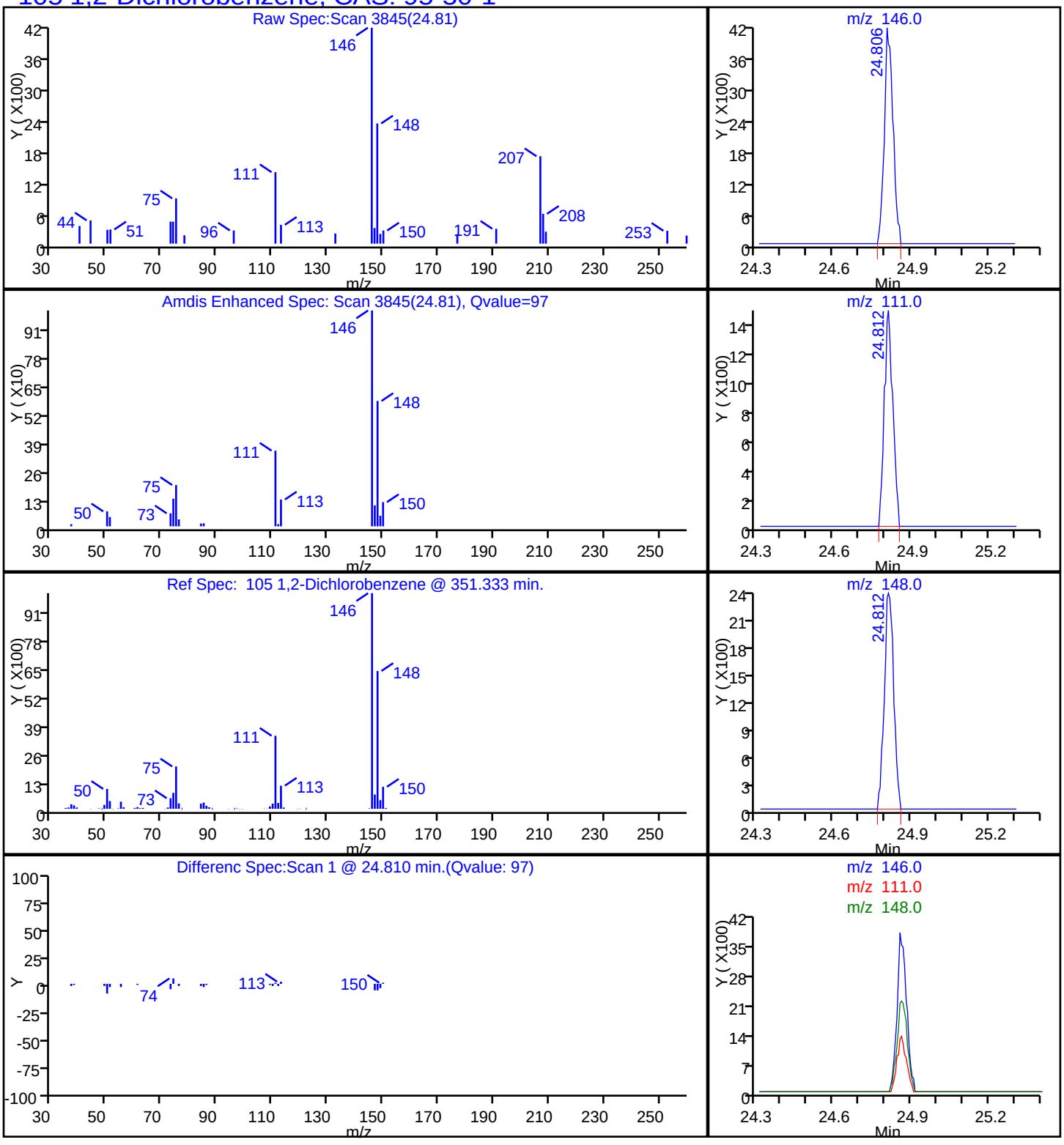
Operator ID: bl ALS Bottle#: 3 Worklist Smp#: 4

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

105 1,2-Dichlorobenzene, CAS: 95-50-1



Report Date: 21-Jul-2014 09:25:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_004.d

Injection Date: 18-Jul-2014 14:26:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

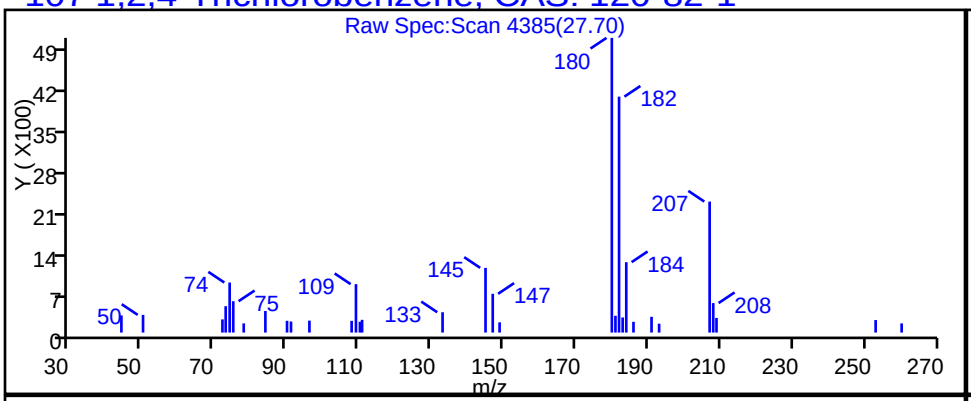
Operator ID: bl ALS Bottle#: 3 Worklist Smp#: 4

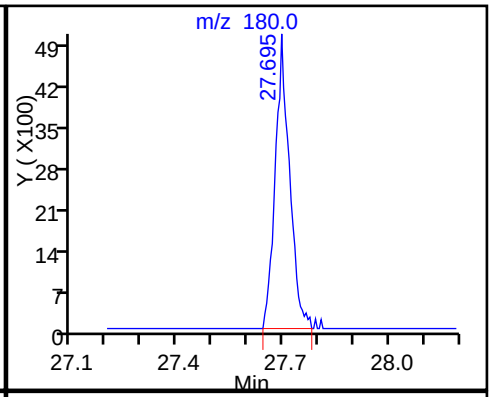
Purge Vol: 200.000 mL Dil. Factor: 1.0000

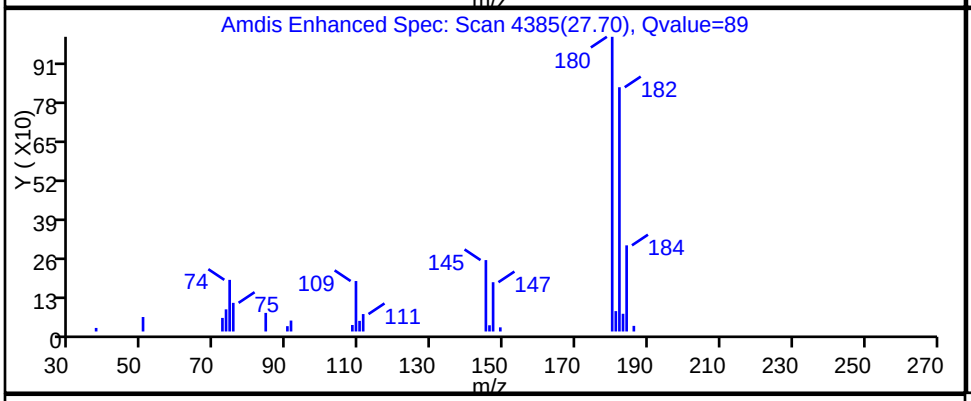
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

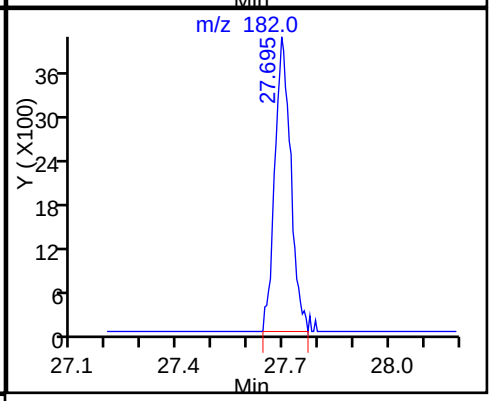
Column: RTX-624 (0.32 mm) Detector MS SCAN

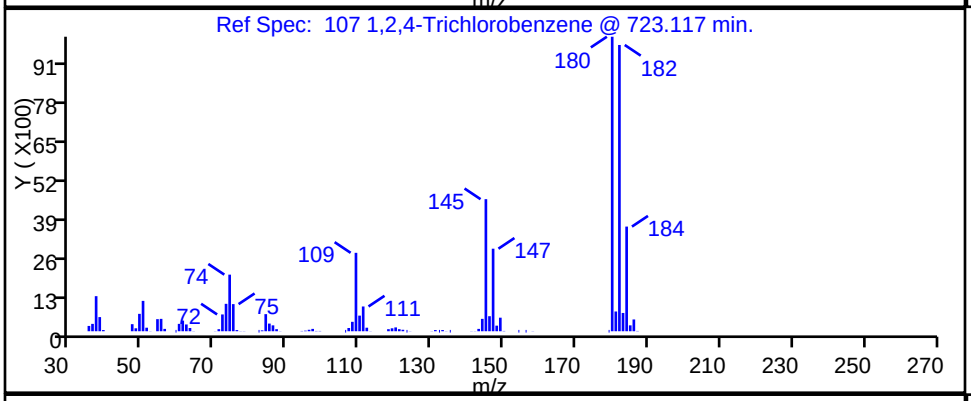
107 1,2,4-Trichlorobenzene, CAS: 120-82-1

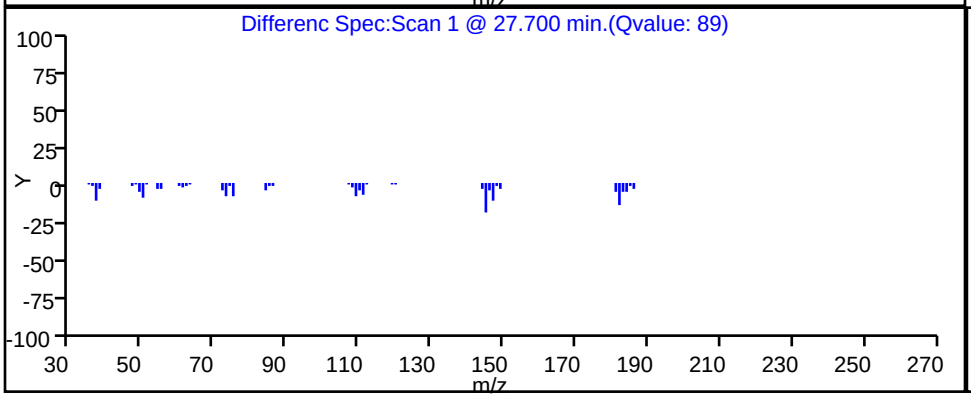


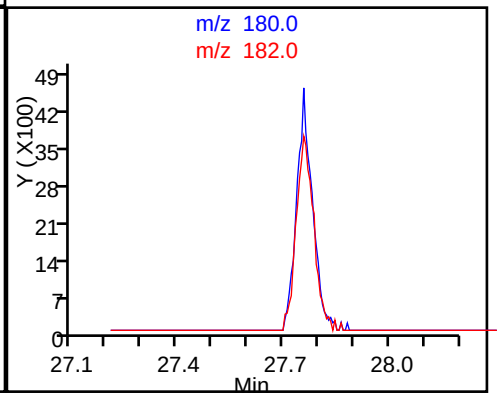












Report Date: 21-Jul-2014 09:25:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_004.d

Injection Date: 18-Jul-2014 14:26:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

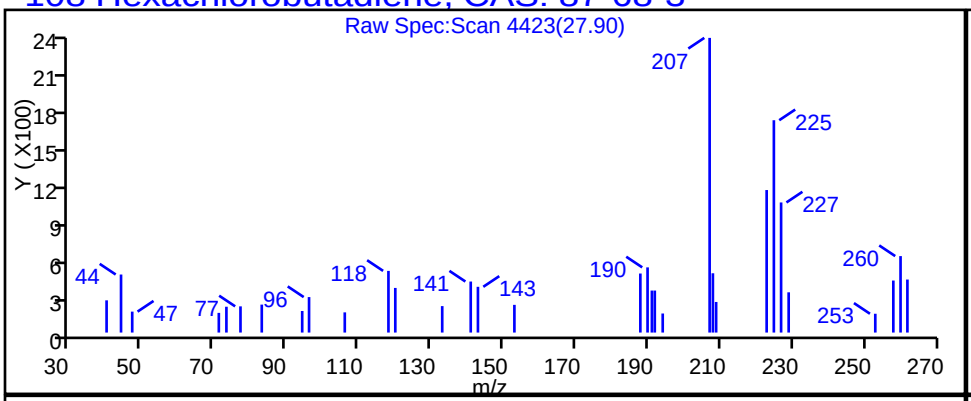
Operator ID: bl ALS Bottle#: 3 Worklist Smp#: 4

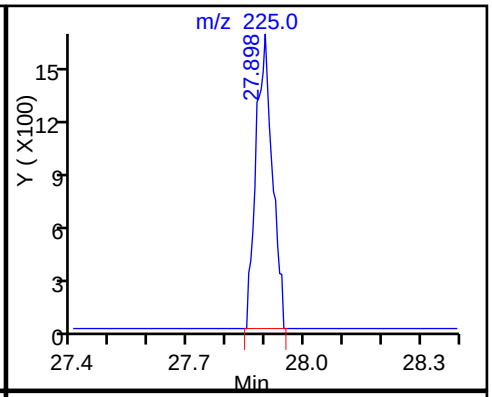
Purge Vol: 200.000 mL Dil. Factor: 1.0000

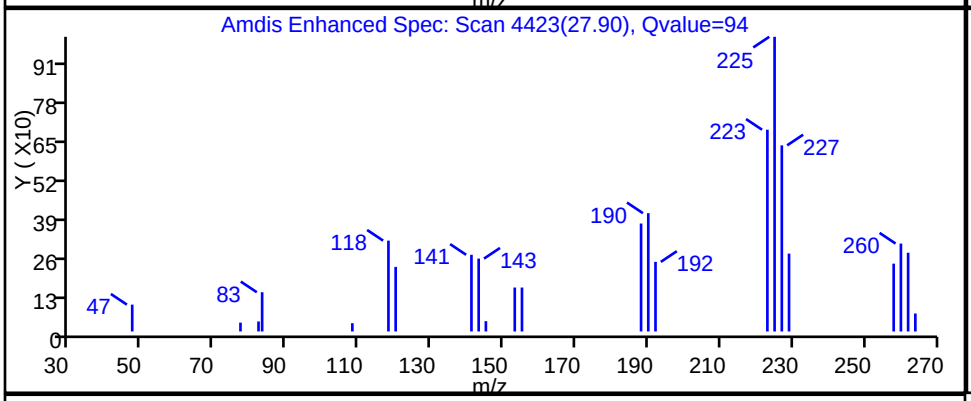
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

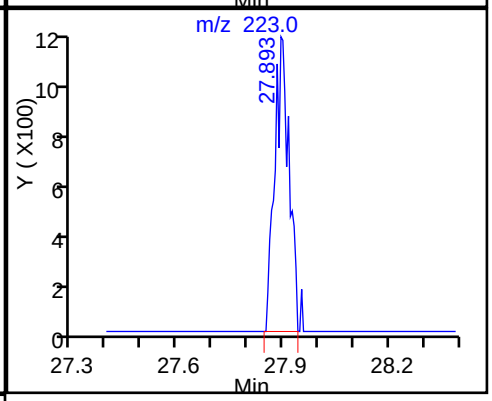
Column: RTX-624 (0.32 mm) Detector MS SCAN

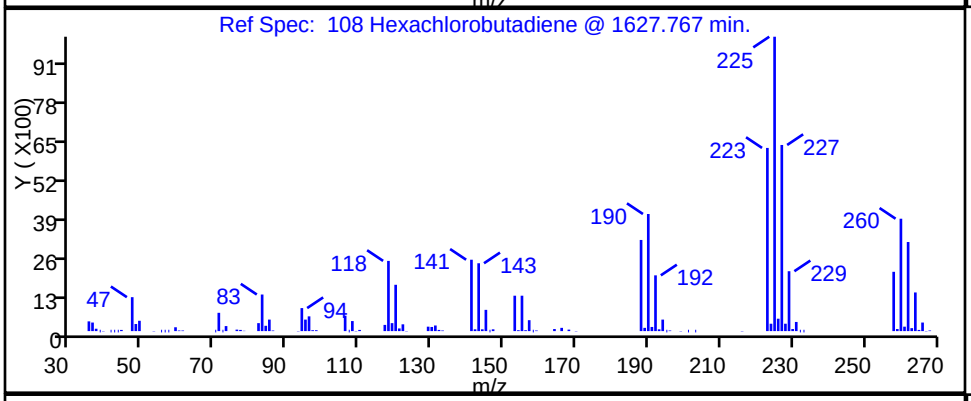
108 Hexachlorobutadiene, CAS: 87-68-3

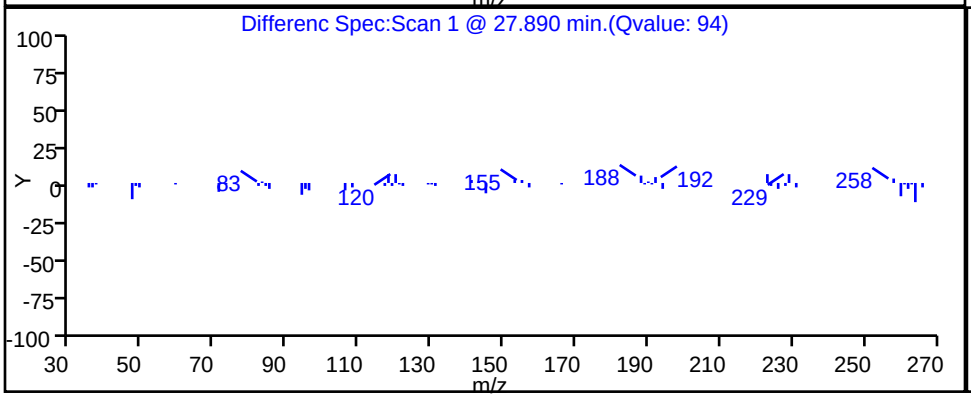


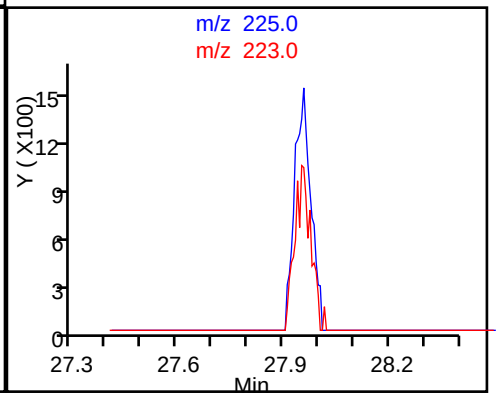












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: LCS 200-75017/3

Matrix: Air Lab File ID: 8602_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 12:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	9.87		0.50	0.030
75-45-6	Freon 22	86.47	9.15		0.50	0.048
76-14-2	Freon-114	170.92	10.9		0.20	0.035
74-87-3	Chloromethane	50.49	8.72		0.50	0.14
106-97-8	n-Butane	58.12	8.88		0.50	0.28
75-01-4	Vinyl chloride	62.50	9.42		0.040	0.038
106-99-0	1,3-Butadiene	54.09	9.15		0.20	0.042
74-83-9	Bromomethane	94.94	9.50		0.20	0.028
75-00-3	Chloroethane	64.52	8.54		0.50	0.030
593-60-2	Vinyl bromide	106.96	9.55		0.20	0.030
75-69-4	Freon 11	137.37	9.62		0.20	0.030
76-13-1	Freon 113	187.38	9.88		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	9.56		0.20	0.024
67-64-1	Acetone	58.08	8.48		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	7.66		5.0	0.22
75-15-0	Carbon disulfide	76.14	10.6		0.50	0.066
107-05-1	Allyl chloride	76.53	8.07		0.50	0.034
75-09-2	Methylene Chloride	84.93	8.93		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	8.81		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	9.28		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	9.87		0.20	0.029
110-54-3	Hexane	86.17	8.99		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	9.45		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	8.80		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	9.59		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	19.5		0.20	0.064
67-66-3	Chloroform	119.38	9.81		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	9.08		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	10.0		0.20	0.021
110-82-7	Cyclohexane	84.16	9.80		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	10.3		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	9.25		0.20	0.027
71-43-2	Benzene	78.11	9.74		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	9.42		0.20	0.017
142-82-5	Heptane	100.21	8.19		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: LCS 200-75017/3

Matrix: Air Lab File ID: 8602_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 12:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	9.99		0.040	0.024
80-62-6	Methyl methacrylate	100.12	9.82		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	9.34		0.20	0.032
123-91-1	1,4-Dioxane	88.11	8.98		5.0	0.20
75-27-4	Bromodichloromethane	163.83	10.1		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	9.92		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	9.24		0.50	0.027
108-88-3	Toluene	92.14	9.06		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	10.1		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	9.79		0.20	0.017
127-18-4	Tetrachloroethene	165.83	9.61		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.08		0.50	0.20
124-48-1	Dibromochloromethane	208.29	10.1		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	10.1		0.20	0.020
108-90-7	Chlorobenzene	112.56	9.81		0.20	0.0081
100-41-4	Ethylbenzene	106.17	9.78		0.20	0.013
179601-23-1	m,p-Xylene	106.17	19.7		0.50	0.023
95-47-6	Xylene, o-	106.17	9.57		0.20	0.016
1330-20-7	Xylene (total)	106.17	29.3		0.20	0.034
100-42-5	Styrene	104.15	10.0		0.20	0.018
75-25-2	Bromoform	252.75	10.6		0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.2		0.20	0.016
103-65-1	n-Propylbenzene	120.19	10.4		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	10.7		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	10.3		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	10.1		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	10.3		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	10.4		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	10.5		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	10.7		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	10.5		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	10.5		0.20	0.014
100-44-7	Benzyl chloride	126.58	11.0		0.20	0.080
104-51-8	n-Butylbenzene	134.22	10.8		0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: LCS 200-75017/3

Matrix: Air Lab File ID: 8602_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/17/2014 12:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75017 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	10.4		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	10.1		0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	9.57		0.20	0.022
91-20-3	Naphthalene	128.17	10.1		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_003.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 17-Jul-2014 12:30:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008602-003
Misc. Info.: LCS
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Jul-2014 09:24:33 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 17-Jul-2014 14:15:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.419	4.392	0.027	97	298957	10.0	8.22	
2 Dichlorodifluoromethane	85	4.510	4.488	0.022	88	1429734	10.0	9.87	
6 Chlorodifluoromethane	51	4.579	4.552	0.027	54	662410	10.0	9.15	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.863	4.836	0.027	90	1576800	10.0	10.9	
8 Chloromethane	50	5.055	5.034	0.021	88	373620	10.0	8.72	
9 Butane	43	5.317	5.291	0.027	96	630261	10.0	8.88	
10 Vinyl chloride	62	5.376	5.349	0.027	81	501334	10.0	9.42	
11 Butadiene	54	5.473	5.446	0.027	92	346125	10.0	9.15	
13 BFB									
12 Bromomethane	94	6.334	6.318	0.016	99	507984	10.0	9.50	
14 Chloroethane	64	6.623	6.601	0.022	96	256730	10.0	8.54	
15 2-Methylbutane	43	6.708	6.681	0.027	89	455717	10.0	8.10	
16 Vinyl bromide	106	7.099	7.077	0.022	90	625485	10.0	9.55	
17 Trichlorofluoromethane	101	7.217	7.190	0.027	86	1537180	10.0	9.62	
18 Pentane	43	7.372	7.355	0.017	96	778600	10.0	9.63	
19 Ethanol	45	7.853	7.800	0.053	99	212081	15.0	10.3	
21 Ethyl ether	59	7.960	7.939	0.021	87	359995	10.0	9.95	
22 Acrolein	56	8.426	8.404	0.022	52	153390	10.0	9.96	
23 1,1,2-Trichloro-1,2,2-trif	101	8.458	8.436	0.022	94	1210255	10.0	9.88	
24 1,1-Dichloroethene	96	8.533	8.511	0.022	83	573778	10.0	9.56	
25 Acetone	43	8.768	8.741	0.027	89	641142	10.0	8.48	
26 Carbon disulfide	76	9.019	9.003	0.016	98	1582997	10.0	10.6	
27 Isopropyl alcohol	45	9.073	9.025	0.048	98	488085	10.0	7.66	
29 3-Chloro-1-propene	41	9.415	9.399	0.016	88	465291	10.0	8.07	
30 Acetonitrile	41	9.549	9.527	0.022	99	291973	10.0	9.06	
31 Methylene Chloride	49	9.747	9.731	0.016	78	462993	10.0	8.93	
32 2-Methyl-2-propanol	59	9.945	9.897	0.048	99	810882	10.0	8.81	
33 Methyl tert-butyl ether	73	10.175	10.148	0.027	95	1489163	10.0	9.28	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.5	
34 trans-1,2-Dichloroethene	61	10.245	10.228	0.017	76	711160	10.0	9.87	
35 Acrylonitrile	53	10.400	10.373	0.027	95	329945	10.0	9.41	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	10.656	10.640	0.016	88	785189	10.0	8.99	
37 1,1-Dichloroethane	63	11.207	11.191	0.016	94	900487	10.0	9.45	
38 Vinyl acetate	43	11.245	11.223	0.022	99	1005576	10.0	8.62	
39 cis-1,2-Dichloroethene	96	12.379	12.363	0.016	88	647509	10.0	9.59	
40 2-Butanone (MEK)	72	12.395	12.379	0.016	99	280744	10.0	8.80	
42 Ethyl acetate	88	12.422	12.390	0.032	96	55133	10.0	10.3	
44 Tetrahydrofuran	42	12.861	12.839	0.022	84	457824	10.0	9.08	
* 43 Chlorobromomethane	128	12.861	12.850	0.011	59	495144	10.0	10.0	
45 Chloroform	83	12.973	12.957	0.016	85	1155815	10.0	9.81	
46 Cyclohexane	84	13.267	13.256	0.011	77	863779	10.0	9.80	
47 1,1,1-Trichloroethane	97	13.278	13.262	0.016	90	1256311	10.0	10.0	
48 Carbon tetrachloride	117	13.535	13.524	0.011	88	1413186	10.0	10.3	
51 Isooctane	57	13.925	13.909	0.016	99	2440558	10.0	9.25	
50 Benzene	78	13.984	13.973	0.011	80	1816026	10.0	9.74	
52 1,2-Dichloroethane	62	14.144	14.134	0.010	92	648454	10.0	9.42	
53 n-Heptane	43	14.273	14.262	0.011	85	780742	10.0	8.19	
* 54 1,4-Difluorobenzene	114	14.744	14.727	0.017	92	2377089	10.0	10.0	
A 57 GRO	1	14.768	(6.671-22.864)		0	222353614	10.0	0	
55 n-Butanol	56	15.033	15.011	0.021	81	258666	10.0	8.66	
56 Trichloroethene	95	15.209	15.198	0.011	89	872857	10.0	10.0	
58 1,2-Dichloropropane	63	15.728	15.712	0.016	88	597736	10.0	9.34	
59 Methyl methacrylate	69	15.808	15.797	0.011	76	619580	10.0	9.82	
60 1,4-Dioxane	88	15.905	15.888	0.016	72	289342	10.0	8.98	
61 Dibromomethane	174	15.969	15.958	0.011	88	1008261	10.0	9.73	
62 Dichlorobromomethane	83	16.220	16.209	0.011	94	1251062	10.0	10.1	
A 63 TVOC as Toluene	92	16.624	(4.382-28.866)		0	399603414	10.0	2365.6	
64 cis-1,3-Dichloropropene	75	17.076	17.071	0.005	82	951560	10.0	9.92	
65 4-Methyl-2-pentanone (MIBK	43	17.311	17.301	0.010	92	1012845	10.0	9.24	
A 68 C8 Range	1	17.632	(17.582-17.682)		0	9926034	NC	NC	
69 n-Octane	43	17.643	17.632	0.011	73	1042831	10.0	8.51	
A 67 Toluene Range	92	17.638	(17.598-17.678)		0	9926034	10.0	63.1	E
66 Toluene	92	17.649	17.638	0.010	93	1426428	10.0	9.06	
70 trans-1,3-Dichloropropene	75	18.183	18.173	0.010	91	967473	10.0	10.1	
71 1,1,2-Trichloroethane	83	18.547	18.542	0.005	92	664362	10.0	9.79	
72 Tetrachloroethene	166	18.686	18.681	0.005	90	1566800	10.0	9.61	
73 2-Hexanone	43	18.932	18.927	0.005	91	969461	10.0	9.08	
74 Chlorodibromomethane	129	19.307	19.296	0.011	96	1577325	10.0	10.1	
75 Ethylene Dibromide	107	19.590	19.580	0.010	98	1344309	10.0	10.1	
S 82 Xylenes, Total	106				0		30.0	29.3	
* 76 Chlorobenzene-d5	117	20.430	20.425	0.005	75	2214920	10.0	10.0	
77 Chlorobenzene	112	20.489	20.478	0.011	91	2133644	10.0	9.81	
78 Ethylbenzene	91	20.602	20.596	0.006	94	3059655	10.0	9.78	
79 n-Nonane	57	20.655	20.650	0.005	82	1172097	10.0	8.81	
80 m-Xylene & p-Xylene	106	20.816	20.810	0.006	98	2639343	20.0	19.7	
83 o-Xylene	106	21.532	21.527	0.005	96	1307119	10.0	9.57	
84 Styrene	104	21.570	21.564	0.006	97	1990752	10.0	10.0	
85 Bromoform	173	21.950	21.949	0.001	99	1775602	10.0	10.6	
86 Isopropylbenzene	105	22.094	22.094	0.000	94	3722647	10.0	9.98	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	97	1426995	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.656	22.666	-0.010	90	1754493	10.0	10.2	
90 N-Propylbenzene	91	22.731	22.741	-0.010	99	4313200	10.0	10.4	
89 1,2,3-Trichloropropane	75	22.757	22.768	-0.011	83	1312080	10.0	9.91	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	22.838	22.854	-0.016	81	1606678	10.0	9.89	
91 4-Ethyltoluene	105	22.897	22.907	-0.010	83	3960787	10.0	10.7	
92 2-Chlorotoluene	91	22.929	22.945	-0.016	88	3054631	10.0	10.1	
94 1,3,5-Trimethylbenzene	105	22.988	22.998	-0.010	80	3276552	10.0	10.3	
95 Alpha Methyl Styrene	118	23.335	23.351	-0.016	90	1831941	10.0	11.4	
96 tert-Butylbenzene	119	23.464	23.474	-0.010	93	3353938	10.0	10.3	
97 1,2,4-Trimethylbenzene	105	23.555	23.565	-0.010	95	3302299	10.0	10.4	
98 sec-Butylbenzene	105	23.790	23.806	-0.016	98	4770294	10.0	10.5	
99 4-Isopropyltoluene	119	23.993	24.009	-0.016	92	4307656	10.0	10.7	
100 1,3-Dichlorobenzene	146	24.068	24.079	-0.011	98	2594923	10.0	10.5	
101 1,4-Dichlorobenzene	146	24.213	24.223	-0.010	97	2543625	10.0	10.5	
102 Benzyl chloride	91	24.421	24.432	-0.011	99	2211009	10.0	11.0	
104 Undecane	57	24.608	24.619	-0.011	89	1803146	10.0	10.9	
103 n-Butylbenzene	91	24.630	24.640	-0.010	97	3524017	10.0	10.8	
105 1,2-Dichlorobenzene	146	24.817	24.828	-0.011	99	2509686	10.0	10.4	
106 Dodecane	57	26.401	26.411	-0.010	91	1693265	10.0	11.4	
107 1,2,4-Trichlorobenzene	180	27.701	27.706	-0.005	92	1971554	10.0	10.1	
108 Hexachlorobutadiene	225	27.899	27.904	-0.005	94	1949767	10.0	9.57	
109 Naphthalene	128	28.284	28.289	-0.005	99	3770511	10.0	10.1	
110 1,2,3-Trichlorobenzene	180	28.851	28.856	-0.005	94	1770995	10.0	9.95	

QC Flag Legend

Processing Flags
NC - Not Calibrated
E - Exceeded Maximum Amount

Reagents:

ATTO15LCSW_00382	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

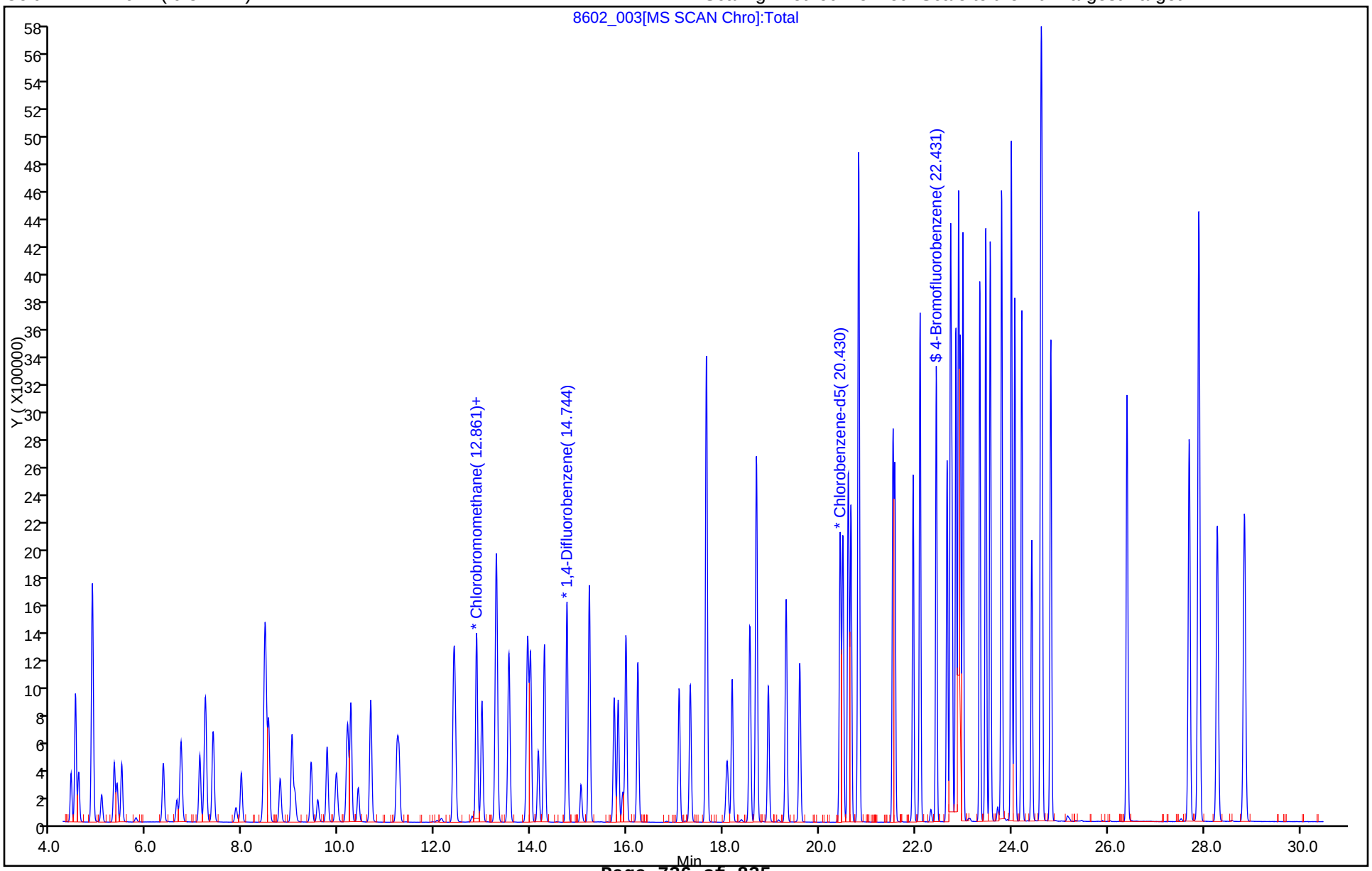
Report Date: 18-Jul-2014 09:24:34 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140717-8602.b\8602_003.d

Injection Date:	17-Jul-2014 12:30:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: LCS 200-75073/3

Matrix: Air Lab File ID: 8625_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/18/2014 13:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75073 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	9.62		0.50	0.030
75-45-6	Freon 22	86.47	8.84		0.50	0.048
76-14-2	Freon-114	170.92	10.7		0.20	0.035
74-87-3	Chloromethane	50.49	8.33		0.50	0.14
106-97-8	n-Butane	58.12	8.21		0.50	0.28
75-01-4	Vinyl chloride	62.50	8.72		0.040	0.038
106-99-0	1,3-Butadiene	54.09	8.10		0.20	0.042
74-83-9	Bromomethane	94.94	8.33		0.20	0.028
75-00-3	Chloroethane	64.52	9.13		0.50	0.030
593-60-2	Vinyl bromide	106.96	9.75		0.20	0.030
75-69-4	Freon 11	137.37	9.46		0.20	0.030
76-13-1	Freon 113	187.38	9.87		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	9.66		0.20	0.024
67-64-1	Acetone	58.08	8.12		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	7.36		5.0	0.22
75-15-0	Carbon disulfide	76.14	10.4		0.50	0.066
107-05-1	Allyl chloride	76.53	7.67		0.50	0.034
75-09-2	Methylene Chloride	84.93	8.48		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	8.67		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	9.21		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	9.55		0.20	0.029
110-54-3	Hexane	86.17	8.67		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	9.22		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	8.67		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	9.57		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	19.1		0.20	0.064
67-66-3	Chloroform	119.38	9.62		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	8.51		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	9.78		0.20	0.021
110-82-7	Cyclohexane	84.16	9.71		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	10.2		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	8.88		0.20	0.027
71-43-2	Benzene	78.11	9.55		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	9.07		0.20	0.017
142-82-5	Heptane	100.21	7.71		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: LCS 200-75073/3

Matrix: Air Lab File ID: 8625_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/18/2014 13:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75073 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	9.90		0.040	0.024
80-62-6	Methyl methacrylate	100.12	9.61		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	9.05		0.20	0.032
123-91-1	1,4-Dioxane	88.11	8.91		5.0	0.20
75-27-4	Bromodichloromethane	163.83	9.79		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	9.84		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	8.70		0.50	0.027
108-88-3	Toluene	92.14	9.04		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	10.0		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	9.83		0.20	0.017
127-18-4	Tetrachloroethene	165.83	9.93		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.63		0.50	0.20
124-48-1	Dibromochloromethane	208.29	10.2		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	10.2		0.20	0.020
108-90-7	Chlorobenzene	112.56	10.0		0.20	0.0081
100-41-4	Ethylbenzene	106.17	9.86		0.20	0.013
179601-23-1	m,p-Xylene	106.17	20.0		0.50	0.023
95-47-6	Xylene, o-	106.17	9.76		0.20	0.016
1330-20-7	Xylene (total)	106.17	29.8		0.20	0.034
100-42-5	Styrene	104.15	10.3		0.20	0.018
75-25-2	Bromoform	252.75	10.9		0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.1		0.20	0.016
103-65-1	n-Propylbenzene	120.19	10.3		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	10.7		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	10.3		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	10.0		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	10.3		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	10.3		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	10.4		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	10.7		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	10.7		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	10.7		0.20	0.014
100-44-7	Benzyl chloride	126.58	10.8		0.20	0.080
104-51-8	n-Butylbenzene	134.22	10.5		0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Client Sample ID: Lab Sample ID: LCS 200-75073/3

Matrix: Air Lab File ID: 8625_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/18/2014 13:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75073 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	10.6		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	10.2		0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	9.78		0.20	0.022
91-20-3	Naphthalene	128.17	9.95		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_003.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 18-Jul-2014 13:38:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008625-003
Misc. Info.: lcs
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Jul-2014 14:59:42 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.392	4.397	-0.005	98	299868	10.0	7.81	
2 Dichlorodifluoromethane	85	4.488	4.494	-0.006	98	1471628	10.0	9.62	
6 Chlorodifluoromethane	51	4.552	4.558	-0.006	97	675799	10.0	8.84	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.836	4.841	-0.005	91	1632710	10.0	10.7	
8 Chloromethane	50	5.034	5.034	0.000	99	376899	10.0	8.33	
9 Butane	43	5.296	5.301	-0.005	98	615306	10.0	8.21	
10 Vinyl chloride	62	5.350	5.360	-0.010	98	489815	10.0	8.72	
11 Butadiene	54	5.451	5.451	0.000	91	323741	10.0	8.10	
13 BFB									
12 Bromomethane	94	6.312	6.318	-0.006	99	470418	10.0	8.33	
14 Chloroethane	64	6.601	6.601	0.000	98	289822	10.0	9.13	
15 2-Methylbutane	43	6.682	6.687	-0.005	91	516190	10.0	8.69	
16 Vinyl bromide	106	7.078	7.077	0.001	99	674600	10.0	9.75	
17 Trichlorofluoromethane	101	7.190	7.195	-0.005	98	1595467	10.0	9.46	
18 Pentane	43	7.350	7.356	-0.006	96	782202	10.0	9.16	
19 Ethanol	45	7.800	7.810	-0.010	99	216932	15.0	9.98	
21 Ethyl ether	59	7.933	7.939	-0.006	92	372650	10.0	9.75	
22 Acrolein	56	8.399	8.404	-0.005	94	158823	10.0	9.77	
23 1,1,2-Trichloro-1,2,2-trif	101	8.436	8.442	-0.006	93	1275785	10.0	9.87	
24 1,1-Dichloroethene	96	8.511	8.516	-0.005	90	612868	10.0	9.66	
25 Acetone	43	8.736	8.747	-0.011	90	648433	10.0	8.12	
26 Carbon disulfide	76	9.003	9.003	0.000	98	1647287	10.0	10.4	
27 Isopropyl alcohol	45	9.025	9.035	-0.010	99	495487	10.0	7.36	
29 3-Chloro-1-propene	41	9.399	9.399	0.000	89	466774	10.0	7.67	
30 Acetonitrile	41	9.528	9.533	-0.005	100	294099	10.0	8.64	
31 Methylene Chloride	49	9.726	9.731	-0.005	81	464556	10.0	8.48	
32 2-Methyl-2-propanol	59	9.897	9.907	-0.010	99	842574	10.0	8.67	
33 Methyl tert-butyl ether	73	10.148	10.153	-0.005	96	1561378	10.0	9.21	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.1	
34 trans-1,2-Dichloroethene	61	10.223	10.228	-0.005	86	726979	10.0	9.55	
35 Acrylonitrile	53	10.368	10.373	-0.005	97	335154	10.0	9.05	
36 Hexane	57	10.640	10.640	0.000	87	799596	10.0	8.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	11.186	11.191	-0.005	99	927902	10.0	9.22	
38 Vinyl acetate	43	11.224	11.223	0.001	99	1006354	10.0	8.17	
39 cis-1,2-Dichloroethene	96	12.363	12.368	-0.005	93	682608	10.0	9.57	
40 2-Butanone (MEK)	72	12.374	12.379	-0.005	100	292135	10.0	8.67	
42 Ethyl acetate	88	12.400	12.395	0.005	99	58376	10.0	10.3	
44 Tetrahydrofuran	42	12.839	12.839	0.000	85	455359	10.0	8.51	
* 43 Chlorobromomethane	128	12.844	12.844	0.000	72	522942	10.0	10.0	
45 Chloroform	83	12.957	12.957	0.000	99	1197526	10.0	9.62	
46 Cyclohexane	84	13.251	13.256	-0.005	82	907627	10.0	9.71	
47 1,1,1-Trichloroethane	97	13.262	13.267	-0.005	96	1302565	10.0	9.78	
48 Carbon tetrachloride	117	13.519	13.524	-0.005	96	1483822	10.0	10.2	
51 Isooctane	57	13.909	13.914	-0.005	99	2485422	10.0	8.88	
50 Benzene	78	13.968	13.973	-0.005	93	1889381	10.0	9.55	
52 1,2-Dichloroethane	62	14.128	14.128	0.000	97	662665	10.0	9.07	
53 n-Heptane	43	14.257	14.262	-0.005	84	779901	10.0	7.71	
* 54 1,4-Difluorobenzene	114	14.728	14.733	-0.005	91	2521567	10.0	10.0	
A 57 GRO	1	14.762	(6.677-22.848)		0	231300894	10.0	0	
55 n-Butanol	56	15.011	15.016	-0.005	83	266562	10.0	8.41	
56 Trichloroethene	95	15.193	15.198	-0.005	91	917762	10.0	9.90	
58 1,2-Dichloropropane	63	15.712	15.712	0.000	93	614319	10.0	9.05	
59 Methyl methacrylate	69	15.792	15.797	-0.005	78	643367	10.0	9.61	
60 1,4-Dioxane	88	15.883	15.894	-0.011	86	304298	10.0	8.91	
61 Dibromomethane	174	15.958	15.958	0.000	87	1096451	10.0	9.98	
62 Dichlorobromomethane	83	16.204	16.209	-0.005	98	1292069	10.0	9.79	
A 63 TVOC as Toluene	92	16.621	(4.387-28.855)		0	415748227	10.0	2320.1	
64 cis-1,3-Dichloropropene	75	17.065	17.071	-0.006	87	1000775	10.0	9.84	
65 4-Methyl-2-pentanone (MIBK	43	17.301	17.301	0.000	91	1011252	10.0	8.70	
69 n-Octane	43	17.632	17.632	0.000	87	1050375	10.0	8.08	
A 68 C8 Range	1	17.632	(17.582-17.682)		0	10231163	NC	NC	
66 Toluene	92	17.638	17.643	-0.005	95	1493315	10.0	9.04	
A 67 Toluene Range	92	17.643	(17.603-17.683)		0	10231163	10.0	62.0	E
70 trans-1,3-Dichloropropene	75	18.173	18.173	0.000	92	1013870	10.0	10.0	
71 1,1,2-Trichloroethane	83	18.542	18.542	0.000	94	699909	10.0	9.83	
72 Tetrachloroethene	166	18.681	18.681	0.000	94	1698048	10.0	9.93	
73 2-Hexanone	43	18.927	18.927	0.000	91	967238	10.0	8.63	
74 Chlorodibromomethane	129	19.296	19.301	-0.005	98	1681082	10.0	10.2	
75 Ethylene Dibromide	107	19.580	19.580	0.000	99	1424550	10.0	10.2	
S 82 Xylenes, Total	106				0		30.0	29.8	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	80	2323943	10.0	10.0	
77 Chlorobenzene	112	20.479	20.484	-0.006	100	2282715	10.0	10.0	
78 Ethylbenzene	91	20.596	20.596	0.000	96	3237747	10.0	9.86	
79 n-Nonane	57	20.650	20.650	0.000	81	1212445	10.0	8.68	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	97	2808516	20.0	20.0	
83 o-Xylene	106	21.527	21.527	0.000	96	1399236	10.0	9.76	
84 Styrene	104	21.565	21.564	0.000	98	2137197	10.0	10.3	
85 Bromoform	173	21.944	21.944	0.000	99	1926639	10.0	10.9	
86 Isopropylbenzene	105	22.089	22.089	0.000	94	3937035	10.0	10.1	
$ 87 4-Bromofluorobenzene	95	22.426	22.431	-0.005	97	1486803	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.650	22.656	-0.006	97	1813191	10.0	10.1	
90 N-Propylbenzene	91	22.725	22.725	0.000	99	4488884	10.0	10.3	
89 1,2,3-Trichloropropane	75	22.752	22.757	-0.005	93	1352863	10.0	9.73	
93 n-Decane	57	22.832	22.838	-0.006	81	1625206	10.0	9.54	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105	22.891	22.891	0.000	97	4153731	10.0	10.7	
92 2-Chlorotoluene	91	22.929	22.929	0.000	94	3195658	10.0	10.0	
94 1,3,5-Trimethylbenzene	105	22.982	22.982	0.000	95	3421452	10.0	10.3	
95 Alpha Methyl Styrene	118	23.335	23.335	0.000	93	1944142	10.0	11.5	
96 tert-Butylbenzene	119	23.458	23.458	0.000	98	3536618	10.0	10.3	
97 1,2,4-Trimethylbenzene	105	23.549	23.555	-0.005	95	3456136	10.0	10.3	
98 sec-Butylbenzene	105	23.790	23.790	0.000	98	4989011	10.0	10.4	
99 4-Isopropyltoluene	119	23.988	23.993	-0.005	97	4520998	10.0	10.7	
100 1,3-Dichlorobenzene	146	24.063	24.063	0.000	99	2767274	10.0	10.7	
101 1,4-Dichlorobenzene	146	24.207	24.207	0.000	97	2715242	10.0	10.7	
102 Benzyl chloride	91	24.416	24.416	0.000	99	2289301	10.0	10.8	
104 Undecane	57	24.603	24.603	0.000	89	1818885	10.0	10.5	
103 n-Butylbenzene	91	24.625	24.630	-0.005	97	3605615	10.0	10.5	
105 1,2-Dichlorobenzene	146	24.812	24.812	0.000	99	2667994	10.0	10.6	
106 Dodecane	57	26.401	26.401	0.000	95	1747626	10.0	11.2	
107 1,2,4-Trichlorobenzene	180	27.695	27.695	0.000	93	2092871	10.0	10.2	
108 Hexachlorobutadiene	225	27.893	27.898	-0.005	97	2091448	10.0	9.78	
109 Naphthalene	128	28.278	28.284	-0.006	99	3913998	10.0	9.95	
110 1,2,3-Trichlorobenzene	180	28.845	28.845	0.000	95	1893478	10.0	10.1	

QC Flag Legend

Processing Flags
NC - Not Calibrated
E - Exceeded Maximum Amount

Reagents:

ATTO15LCSW_00382	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

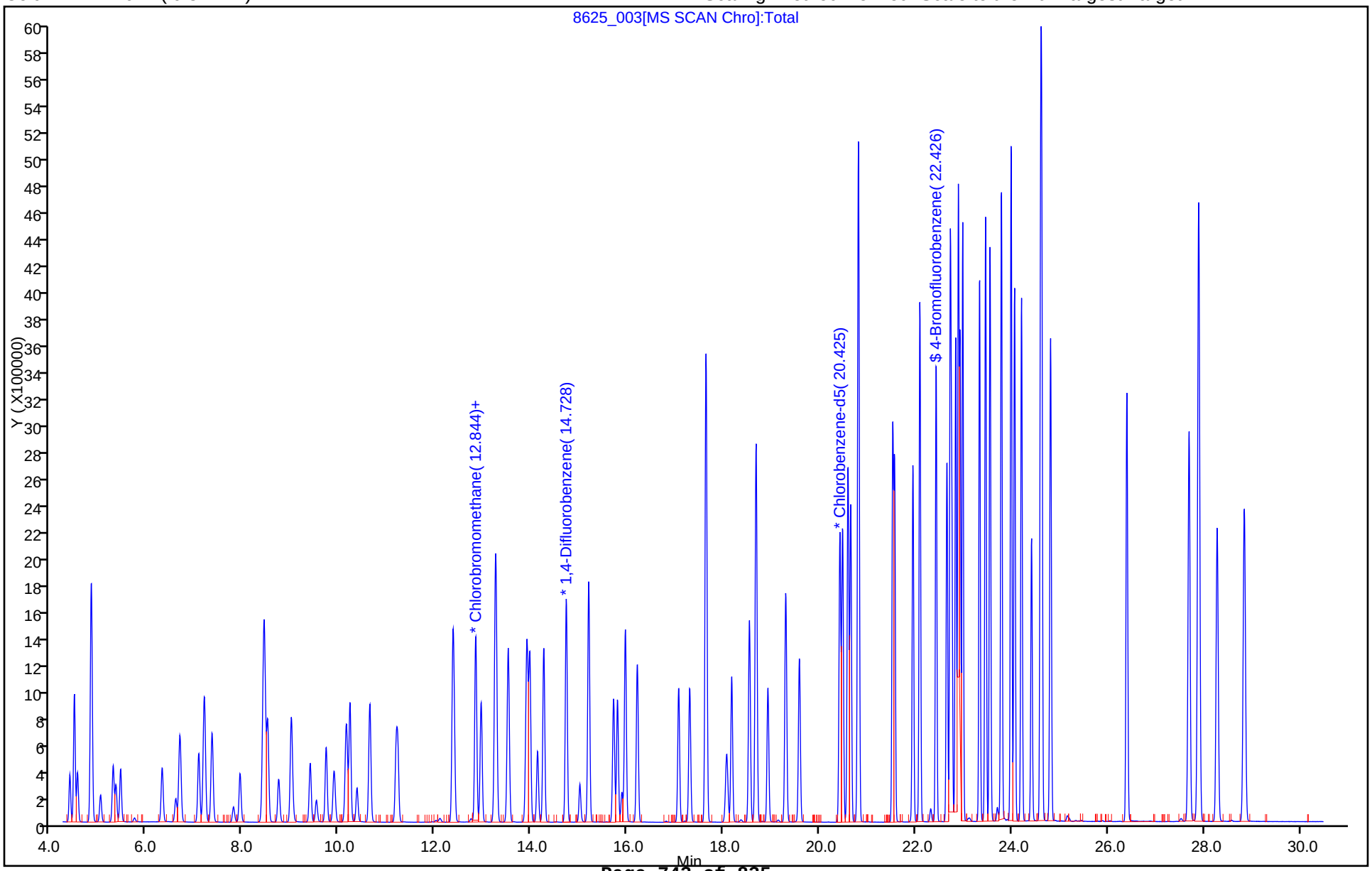
Report Date: 18-Jul-2014 14:59:43 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140718-8625.b\8625_003.d

Injection Date:	18-Jul-2014 13:38:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Instrument ID: CHW.i Start Date: 06/14/2014 06:27

Analysis Batch Number: 73568 End Date: 06/15/2014 03:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-73568/1		06/14/2014 06:27	1	8058_001.d	RTX-624 0.32(mm)
VIBLK 200-73568/2		06/14/2014 07:17	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 08:06	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 08:56	1		RTX-624 0.32(mm)
IC 200-73568/5		06/14/2014 09:46	1	8058_005.d	RTX-624 0.32(mm)
IC 200-73568/6		06/14/2014 10:36	1	8058_006.d	RTX-624 0.32(mm)
ICIS 200-73568/7		06/14/2014 11:26	1	8058_007.d	RTX-624 0.32(mm)
IC 200-73568/8		06/14/2014 12:16	1	8058_008.d	RTX-624 0.32(mm)
IC 200-73568/9		06/14/2014 13:06	1	8058_009.d	RTX-624 0.32(mm)
IC 200-73568/10		06/14/2014 13:56	1	8058_010.d	RTX-624 0.32(mm)
VIBLK 200-73568/11		06/14/2014 14:44	1		RTX-624 0.32(mm)
VIBLK 200-73568/12		06/14/2014 15:34	1		RTX-624 0.32(mm)
ICV 200-73568/13		06/14/2014 16:24	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 17:15	1		RTX-624 0.32(mm)
VIBLK 200-73568/15		06/14/2014 18:05	1		RTX-624 0.32(mm)
IC 200-73568/16		06/14/2014 23:41	1	8058_016.d	RTX-624 0.32(mm)
IC 200-73568/17		06/15/2014 00:33	1	8058_017.d	RTX-624 0.32(mm)
VIBLK 200-73568/18		06/15/2014 01:21	1		RTX-624 0.32(mm)
ICV 200-73568/19		06/15/2014 02:11	1	8058_019.d	RTX-624 0.32(mm)
ZZZZZ		06/15/2014 03:00	1		RTX-624 0.32(mm)
VIBLK 200-73568/21		06/15/2014 03:49	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Instrument ID: CHW.i Start Date: 07/17/2014 10:48

Analysis Batch Number: 75017 End Date: 07/18/2014 08:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-75017/1		07/17/2014 10:48	1	8602_001.d	RTX-624 0.32(mm)
CCVIS 200-75017/2		07/17/2014 11:41	1	8602_002.d	RTX-624 0.32(mm)
LCS 200-75017/3		07/17/2014 12:30	1	8602_003.d	RTX-624 0.32(mm)
MB 200-75017/4		07/17/2014 13:20	1	8602_004.d	RTX-624 0.32(mm)
ZZZZZ		07/17/2014 14:09	1		RTX-624 0.32(mm)
ZZZZZ		07/17/2014 15:00	1		RTX-624 0.32(mm)
200-23187-3	GCTS POST CARBON	07/17/2014 15:50	1	8602_007.d	RTX-624 0.32(mm)
200-23187-4	SSDS MID-CARBON	07/17/2014 16:40	6	8602_008.d	RTX-624 0.32(mm)
200-23187-5	SSDS EFFLUENT(POST CARBON)	07/17/2014 17:31	1	8602_009.d	RTX-624 0.32(mm)
200-23187-6	SDS-1	07/17/2014 18:21	5	8602_010.d	RTX-624 0.32(mm)
200-23187-7	SDS-2	07/17/2014 19:09	8	8602_011.d	RTX-624 0.32(mm)
200-23187-8	SDS-3	07/17/2014 19:58	5	8602_012.d	RTX-624 0.32(mm)
200-23187-9	SDS-4	07/17/2014 20:48	2.5	8602_013.d	RTX-624 0.32(mm)
200-23187-10	SDS-5	07/17/2014 21:36	5	8602_014.d	RTX-624 0.32(mm)
200-23187-11	SDS-6	07/17/2014 22:25	8	8602_015.d	RTX-624 0.32(mm)
ZZZZZ		07/17/2014 23:23	1.18		RTX-624 0.32(mm)
ZZZZZ		07/18/2014 00:21	1.42		RTX-624 0.32(mm)
ZZZZZ		07/18/2014 01:10	1		RTX-624 0.32(mm)
ZZZZZ		07/18/2014 02:00	1		RTX-624 0.32(mm)
ZZZZZ		07/18/2014 02:50	1		RTX-624 0.32(mm)
ZZZZZ		07/18/2014 03:42	1		RTX-624 0.32(mm)
ZZZZZ		07/18/2014 04:32	1		RTX-624 0.32(mm)
200-23187-12	SDS-7	07/18/2014 05:21	1.25	8602_023.d	RTX-624 0.32(mm)
200-23187-13	SDS-8	07/18/2014 06:09	2	8602_024.d	RTX-624 0.32(mm)
200-23187-1	GCTS PRE CARBON	07/18/2014 08:01	2	8602_025.d	RTX-624 0.32(mm)
200-23187-2	GCTS MID CARBON	07/18/2014 08:48	2	8602_026.d	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23187-1

SDG No.: 200-23187

Instrument ID: CHW.i Start Date: 07/18/2014 10:31

Analysis Batch Number: 75073 End Date: 07/19/2014 07:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-75073/1		07/18/2014 10:31	1	8625_001.d	RTX-624 0.32(mm)
CCVIS 200-75073/2		07/18/2014 12:49	1	8625_002.d	RTX-624 0.32(mm)
LCS 200-75073/3		07/18/2014 13:38	1	8625_003.d	RTX-624 0.32(mm)
MB 200-75073/4		07/18/2014 14:26	1	8625_004.d	RTX-624 0.32(mm)
200-23187-14	VMP-8C	07/18/2014 15:18	1	8625_005.d	RTX-624 0.32(mm)
ZZZZZ		07/18/2014 16:06	295		RTX-624 0.32(mm)
ZZZZZ		07/18/2014 16:58	1		RTX-624 0.32(mm)
ZZZZZ		07/18/2014 17:48	1		RTX-624 0.32(mm)
ZZZZZ		07/18/2014 18:38	1		RTX-624 0.32(mm)
ZZZZZ		07/18/2014 19:28	1		RTX-624 0.32(mm)
ZZZZZ		07/18/2014 20:19	1		RTX-624 0.32(mm)
ZZZZZ		07/18/2014 21:09	1		RTX-624 0.32(mm)
ZZZZZ		07/18/2014 21:59	1		RTX-624 0.32(mm)
ZZZZZ		07/18/2014 22:49	1		RTX-624 0.32(mm)
ZZZZZ		07/18/2014 23:39	1		RTX-624 0.32(mm)
ZZZZZ		07/19/2014 00:31	1		RTX-624 0.32(mm)
ZZZZZ		07/19/2014 01:21	1		RTX-624 0.32(mm)
ZZZZZ		07/19/2014 02:12	1		RTX-624 0.32(mm)
ZZZZZ		07/19/2014 03:05	1		RTX-624 0.32(mm)
ZZZZZ		07/19/2014 03:55	1		RTX-624 0.32(mm)
ZZZZZ		07/19/2014 04:45	1		RTX-624 0.32(mm)
ZZZZZ		07/19/2014 05:37	1		RTX-624 0.32(mm)
ZZZZZ		07/19/2014 06:46	0.2		RTX-624 0.32(mm)
ZZZZZ		07/19/2014 07:52	0.2		RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
State 6	200-23187	7/14/14	1235	29.6	22	G9	AN1

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	NA	NA	V.g. # 5330
(3) MA MCP: Check return flow rate for flow controllers		✓	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID	Comments
200-23187-1	3081	-5.0	N	NA	NA	2885 8375	
-2	5108	-4.5	N				
-3	3217	-6.3	N				
-4	2708	-5.2	N				
-5	3145	-6.1	N				
-6	3320	-4.6	N			4380 8375	
-7	4242	-5.4	N				
-8	5400	-5.0	N				
-9	5717	-5.0	N				
-10	3017	-4.7	N			2885 8375	
-11	4068	-5.2	N				
-12	5121	-5.1	N			4380 8375	
-13	4472	-5.7	N				
-14	4716	-4.8	N				
						AN1	7/14/14

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # _____

200-23023-A-7
2885
Location: Air-Storage
Bottle: 6L Summa Canister 6L
Sampled: 6/30/2014 12:00 AM 200-676055

Loc: 200
23023
#7
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test							
System ID		# Cycles	Cleaning Date	Technician	Canister Size		
Oven 3/4		15	6/30	MT	(6L)	1L	3L

		Leak Test					
		Initial[1]	Final	Adjusted Initial[2]		Initial Reading	Final Reading
Port	Can ID	("Hg)	("Hg)	("Hg)	Difference[3]	Gauge ID: G13	Gauge ID: G13
1	3145	↑	-30.1	-30.2	+0.1	Date: ~~7/1/14~~ 7/1/14	Date: 7/3/14
2	5707		-30.0		0.2	Time: 1315	Time: 1410
3	3217		-30.1		0.1	Tech: [illegible]	Tech: MT
4	5108		-30.2		0.0	BP: 29.6 ("Hg)	BP: 29.7 ("Hg)
5	3655		-30.2		0.0	Temp 22 (℃)	Temp: 22 (℃)
6	4068		-30.1		-0.1	[3]Acceptance Criteria:	
7	2885	-30.1	-30.2		0.0	(1) The difference must be less than or equal to + 0.5	
8	4942		-30.2		0.0	(2) Pressure readings must be at least 24 hours apart.	
9	2708		-30.2		0.0	If time frame was not met, the PM must authorize shipment of canister:	
10	3017		-30.1		0.1	*PM Authorization:*	
11	3081		-29.8		0.4		
12	3705	↓	-30.2	↓	0.0	Signature	Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory											
Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15				Inventory Level					Secondary Review	
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewer
2885	7/2/14	8325	WHD		✓				7/7/14	[illegible]

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

BR-FAI023:10.19.09:7
TestAmerica

Loc: 200
23031
#10
A

200-23031-A-10
4389
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 6/30/2014 12:00 AM 200-675169

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
TOP	15	6/30/14	MT	(6L) 1L 3L

Leak Test

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4716	↑	-29.6	-30.1	+0.5
2	5400		-29.6		+0.5
3	5121		-30.0		+0.1
4	4477		-30.0		+0.1
5	5417		-29.7		+0.4
6	3320		-30.0		+0.1
7	4242		-30.0		+0.1
8	3560		-29.8		+0.3
9	3927		-30.2		-0.1
10	4380	-30.0	-30.2		-0.2
11	2538	↓	-30.1		0
12	3620	↓	-30.2	↓	-0.1

Initial Reading		Final Reading	
Gauge ID:	G-13	Gauge ID:	Q13
Date:	7/1/14	Date:	7/3/14
Time:	1300	Time:	1500
Tech:	KP	Tech:	MS
BP:	29.6 ("Hg)	BP:	29.7 ("Hg)
Temp	22 (℃)	Temp:	22 (℃)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
4380	7/2/14	8325	WRD		✓				7/7/14	(KP)

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: Routine

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8375_003.D

Lab ID: LCS 200-74455/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.3	113	70-130	
Dichlorodifluoromethane	10.0	11.4	114	70-130	
Freon 22	10.0	11.5	115	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.3	123	70-130	
Chloromethane	10.0	10.9	109	70-130	
n-Butane	10.0	11.2	112	70-130	
Vinyl chloride	10.0	10.7	107	70-130	
1,3-Butadiene	10.0	10.9	109	70-130	
Bromomethane	10.0	10.5	105	70-130	
Chloroethane	10.0	10.9	109	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.5	105	70-130	
Trichlorofluoromethane	10.0	10.9	109	70-130	
Ethanol	15.0	14.8	99	70-130	
Freon TF	10.0	10.6	106	70-130	
1,1-Dichloroethene	10.0	10.4	104	70-130	
Acetone	10.0	11.4	114	70-130	
Isopropyl alcohol	10.0	10.5	105	70-130	
Carbon disulfide	10.0	11.5	115	70-130	
3-Chloropropene	10.0	10.4	104	70-130	
Methylene Chloride	10.0	10.6	106	70-130	
tert-Butyl alcohol	10.0	10.8	108	70-130	
Methyl tert-butyl ether	10.0	10.8	108	70-130	
trans-1,2-Dichloroethene	10.0	11.4	114	70-130	
n-Hexane	10.0	11.2	112	70-130	
1,1-Dichloroethane	10.0	10.7	107	70-130	
Vinyl acetate	10.0	11.0	110	70-130	
Ethyl acetate	10.0	11.3	113	70-130	
Methyl Ethyl Ketone	10.0	9.54	95	70-130	
cis-1,2-Dichloroethene	10.0	10.2	102	70-130	
Chloroform	10.0	10.8	108	70-130	
Tetrahydrofuran	10.0	11.1	111	70-130	
1,1,1-Trichloroethane	10.0	10.8	108	70-130	
Cyclohexane	10.0	10.2	102	70-130	
Carbon tetrachloride	10.0	11.0	110	70-130	
2,2,4-Trimethylpentane	10.0	9.86	99	70-130	
Benzene	10.0	9.96	100	70-130	
1,2-Dichloroethane	10.0	10.8	108	70-130	
n-Heptane	10.0	9.84	98	70-130	
Trichloroethene	10.0	10.7	107	70-130	
Methyl methacrylate	10.0	10.9	109	70-130	
1,2-Dichloropropane	10.0	9.89	99	70-130	
1,4-Dioxane	10.0	10.8	108	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8375_003.D

Lab ID: LCS 200-74455/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.0	110	70-130	
cis-1,3-Dichloropropene	10.0	10.9	109	70-130	
methyl isobutyl ketone	10.0	10.3	103	70-130	
Toluene	10.0	9.67	97	70-130	
trans-1,3-Dichloropropene	10.0	10.9	109	70-130	
1,1,2-Trichloroethane	10.0	10.1	101	70-130	
Tetrachloroethene	10.0	11.3	113	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.86	99	70-130	
Dibromochloromethane	10.0	10.7	107	70-130	
1,2-Dibromoethane	10.0	10.8	108	70-130	
Chlorobenzene	10.0	10.3	103	70-130	
Ethylbenzene	10.0	10.1	101	70-130	
m,p-Xylene	20.0	20.5	103	70-130	
Xylene, o-	10.0	10.2	102	70-130	
Styrene	10.0	10.6	106	70-130	
Bromoform	10.0	11.5	115	70-130	
Cumene	10.0	10.5	105	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.3	103	70-130	
n-Propylbenzene	10.0	10.5	105	70-130	
4-Ethyltoluene	10.0	11.0	110	70-130	
1,3,5-Trimethylbenzene	10.0	10.7	107	70-130	
2-Chlorotoluene	10.0	10.3	103	70-130	
tert-Butylbenzene	10.0	10.6	106	70-130	
1,2,4-Trimethylbenzene	10.0	10.7	108	70-130	
sec-Butylbenzene	10.0	10.9	109	70-130	
4-Isopropyltoluene	10.0	11.1	111	70-130	
1,3-Dichlorobenzene	10.0	11.4	114	70-130	
1,4-Dichlorobenzene	10.0	11.4	114	70-130	
Benzyl chloride	10.0	10.5	105	70-130	
n-Butylbenzene	10.0	10.5	105	70-130	
1,2-Dichlorobenzene	10.0	11.2	112	70-130	
1,2,4-Trichlorobenzene	10.0	11.9	119	70-130	
Hexachlorobutadiene	10.0	12.7	127	70-130	
Naphthalene	10.0	9.98	100	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8375_003.D

Lab ID: LCS 200-74455/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.3	113	70-130	
Dichlorodifluoromethane	10.0	11.4	114	70-130	
Freon 22	10.0	11.5	115	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.3	123	70-130	
Chloromethane	10.0	10.9	109	70-130	
n-Butane	10.0	11.2	112	70-130	
Vinyl chloride	10.0	10.7	107	70-130	
1,3-Butadiene	10.0	10.9	109	70-130	
Bromomethane	10.0	10.5	105	70-130	
Chloroethane	10.0	10.9	109	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.5	105	70-130	
Trichlorofluoromethane	10.0	10.9	109	70-130	
Ethanol	15.0	14.8	99	70-130	
Freon TF	10.0	10.6	106	70-130	
1,1-Dichloroethene	10.0	10.4	104	70-130	
Acetone	10.0	11.4	114	70-130	
Isopropyl alcohol	10.0	10.5	105	70-130	
Carbon disulfide	10.0	11.5	115	70-130	
3-Chloropropene	10.0	10.4	104	70-130	
Methylene Chloride	10.0	10.6	106	70-130	
tert-Butyl alcohol	10.0	10.8	108	70-130	
Methyl tert-butyl ether	10.0	10.8	108	70-130	
trans-1,2-Dichloroethene	10.0	11.4	114	70-130	
n-Hexane	10.0	11.2	112	70-130	
1,1-Dichloroethane	10.0	10.7	107	70-130	
Vinyl acetate	10.0	11.0	110	70-130	
Ethyl acetate	10.0	11.3	113	70-130	
Methyl Ethyl Ketone	10.0	9.54	95	70-130	
cis-1,2-Dichloroethene	10.0	10.2	102	70-130	
Chloroform	10.0	10.8	108	70-130	
Tetrahydrofuran	10.0	11.1	111	70-130	
1,1,1-Trichloroethane	10.0	10.8	108	70-130	
Cyclohexane	10.0	10.2	102	70-130	
Carbon tetrachloride	10.0	11.0	110	70-130	
2,2,4-Trimethylpentane	10.0	9.86	99	70-130	
Benzene	10.0	9.96	100	70-130	
1,2-Dichloroethane	10.0	10.8	108	70-130	
n-Heptane	10.0	9.84	98	70-130	
Trichloroethene	10.0	10.7	107	70-130	
Methyl methacrylate	10.0	10.9	109	70-130	
1,2-Dichloropropane	10.0	9.89	99	70-130	
1,4-Dioxane	10.0	10.8	108	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8375_003.D

Lab ID: LCS 200-74455/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.0	110	70-130	
cis-1,3-Dichloropropene	10.0	10.9	109	70-130	
methyl isobutyl ketone	10.0	10.3	103	70-130	
Toluene	10.0	9.67	97	70-130	
trans-1,3-Dichloropropene	10.0	10.9	109	70-130	
1,1,2-Trichloroethane	10.0	10.1	101	70-130	
Tetrachloroethene	10.0	11.3	113	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.86	99	70-130	
Dibromochloromethane	10.0	10.7	107	70-130	
1,2-Dibromoethane	10.0	10.8	108	70-130	
Chlorobenzene	10.0	10.3	103	70-130	
Ethylbenzene	10.0	10.1	101	70-130	
m,p-Xylene	20.0	20.5	103	70-130	
Xylene, o-	10.0	10.2	102	70-130	
Styrene	10.0	10.6	106	70-130	
Bromoform	10.0	11.5	115	70-130	
Cumene	10.0	10.5	105	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.3	103	70-130	
n-Propylbenzene	10.0	10.5	105	70-130	
4-Ethyltoluene	10.0	11.0	110	70-130	
1,3,5-Trimethylbenzene	10.0	10.7	107	70-130	
2-Chlorotoluene	10.0	10.3	103	70-130	
tert-Butylbenzene	10.0	10.6	106	70-130	
1,2,4-Trimethylbenzene	10.0	10.7	108	70-130	
sec-Butylbenzene	10.0	10.9	109	70-130	
4-Isopropyltoluene	10.0	11.1	111	70-130	
1,3-Dichlorobenzene	10.0	11.4	114	70-130	
1,4-Dichlorobenzene	10.0	11.4	114	70-130	
Benzyl chloride	10.0	10.5	105	70-130	
n-Butylbenzene	10.0	10.5	105	70-130	
1,2-Dichlorobenzene	10.0	11.2	112	70-130	
1,2,4-Trichlorobenzene	10.0	11.9	119	70-130	
Hexachlorobutadiene	10.0	12.7	127	70-130	
Naphthalene	10.0	9.98	100	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Lab File ID: 8375_004.D Lab Sample ID: MB 200-74455/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHC.i Date Analyzed: 07/02/2014 11:25

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-74455/3	8375_003.D	07/02/2014 10:32
2885	200-23023-7	8375_012.D	07/02/2014 18:36

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74455/4

Matrix: Air Lab File ID: 8375_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/02/2014 11:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74455 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74455/4

Matrix: Air Lab File ID: 8375_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/02/2014 11:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74455 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74455/4

Matrix: Air Lab File ID: 8375_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/02/2014 11:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74455 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140702-8375.b\8375_004.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 02-Jul-2014 11:25:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008375-006
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140702-8375.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 02-Jul-2014 12:24:15 Calib Date: 15-Jun-2014 07:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140614-8064.b\8064_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: desjardinsb Date: 02-Jul-2014 12:24:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		3.010					ND	
2 Dichlorodifluoromethane	85		3.084					ND	
6 Chlorodifluoromethane	51		3.138					0	
3 Difluoroethane TIC	51		3.150					ND	
4 Chlorotrifluoroethene TIC	116		3.162					ND	
5 Freon 115 TIC	85		3.180					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.357					ND	
8 Chloromethane	50		3.501					0	
9 Butane	43		3.709					0	
10 Vinyl chloride	62		3.757					ND	
11 Butadiene	54		3.837					ND	
12 Bromomethane	94		4.552					ND	
13 Chloroethane	64		4.803					ND	
14 2-Methylbutane	43		4.883					ND	
15 Vinyl bromide	106		5.209					ND	
16 Trichlorofluoromethane	101		5.315					ND	
17 Pentane	43		5.459					ND	
19 Ethanol	45		5.961					ND	
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
21 Ethyl ether	59		6.020					ND	
22 Acrolein	56		6.425					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.441					ND	
24 1,1-Dichloroethene	96		6.479					ND	
25 Acetone	43		6.756					0	
26 Carbon disulfide	76		6.858					ND	
27 Isopropyl alcohol	45		7.082					ND	
28 Methyl Acetate TIC	43		7.200					ND	
29 3-Chloro-1-propene	41		7.301					ND	
30 Acetonitrile	41		7.466					ND	
31 Methylene Chloride	49	7.615	7.610	0.005	69	2635		0.0820	
32 2-Methyl-2-propanol	59		7.872					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Methyl tert-butyl ether	73		8.026					ND	
34 trans-1,2-Dichloroethene	61		8.053					ND	
35 Acrylonitrile	53		8.240					ND	
36 Hexane	57		8.448					ND	
37 1,1-Dichloroethane	63		8.955					ND	
38 Vinyl acetate	43		9.051					ND	
39 cis-1,2-Dichloroethene	96		10.097					ND	
40 2-Butanone (MEK)	72		10.172					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
42 Ethyl acetate	88		10.220					ND	
* 43 Chlorobromomethane	128	10.572	10.572	0.000	66	773548	10.0	10.0	
44 Tetrahydrofuran	42		10.583					ND	
45 Chloroform	83		10.722					ND	
46 Cyclohexane	84		10.935					ND	
47 1,1,1-Trichloroethane	97		10.983					ND	
48 Carbon tetrachloride	117		11.229					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
51 Isooctane	57		11.677					ND	
50 Benzene	78		11.714					ND	
52 1,2-Dichloroethane	62		11.917					ND	
53 n-Heptane	43		12.088					ND	
* 54 1,4-Difluorobenzene	114	12.589	12.595	-0.006	91	4371223	10.0	10.0	
55 n-Butanol	56		13.027					ND	
56 Trichloroethene	95		13.054					ND	
A 57 GRO	1	13.193	(4.873-21.512)		0	714514		0	
58 1,2-Dichloropropane	63		13.635					ND	
59 Methyl methacrylate	69		13.822					ND	
60 1,4-Dioxane	88		13.881					ND	
61 Dibromomethane	174		13.897					ND	
62 Dichlorobromomethane	83		14.207					ND	
A 63 TVOC as Toluene	1	14.908	(3.000-26.817)		0	810902		3.85	
64 cis-1,3-Dichloropropene	75		15.151					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.461					ND	
66 Toluene	92		15.738					ND	
A 67 Toluene Range	1		(15.698-15.778)					ND	
A 69 C8 Range	1	15.797	(15.747-15.847)		0	833		NC	
68 n-Octane	43		15.797					ND	
70 trans-1,3-Dichloropropene	75		16.357					0	
71 1,1,2-Trichloroethane	83		16.731					ND	
72 Tetrachloroethene	166		16.816					ND	
73 2-Hexanone	43		17.190					0	
74 Chlorodibromomethane	129		17.489					ND	
75 Ethylene Dibromide	107		17.756					0	
80 1,2-Dibromo-3-Chloropropan	75	18.652	18.652	0.000	33	48249		NC	
* 76 Chlorobenzene-d5	117	18.647	18.652	-0.005	81	4176077	10.0	10.0	
77 Chlorobenzene	112		18.711					0	
78 Ethylbenzene	91		18.866					ND	
79 n-Nonane	57		18.983					ND	
81 m-Xylene & p-Xylene	106		19.111					ND	
83 o-Xylene	106		19.949					ND	
84 Styrene	104		20.002					0	
S 82 Xylenes, Total	106		20.100					0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 Bromoform	173		20.419					0	
86 Isopropylbenzene	105		20.621					0	
$ 87 4-Bromofluorobenzene	95	20.990	20.984	0.006	98	1994323	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		21.273					0	
90 N-Propylbenzene	91		21.331					0	
89 1,2,3-Trichloropropane	75		21.369					ND	
93 n-Decane	57		21.502					ND	
91 4-Ethyltoluene	105		21.523					0	
92 2-Chlorotoluene	91		21.529					0	
94 1,3,5-Trimethylbenzene	105		21.625					0	
95 Alpha Methyl Styrene	118		21.988					0	
96 tert-Butylbenzene	119		22.110					0	
97 1,2,4-Trimethylbenzene	105		22.201					0	
98 sec-Butylbenzene	105		22.431					0	
99 4-Isopropyltoluene	119		22.628					0	
100 1,3-Dichlorobenzene	146	22.660	22.660	0.000	95	2486		0.008429	
101 1,4-Dichlorobenzene	146	22.788	22.794	-0.006	34	2228		0.007534	
102 Benzyl chloride	91		22.996					0	
103 n-Butylbenzene	91		23.199					0	
104 Undecane	57		23.221					ND	
105 1,2-Dichlorobenzene	146	23.333	23.327	0.006	29	2236		0.007977	
106 Dodecane	57		24.811					0	
107 1,2,4-Trichlorobenzene	180	25.841	25.836	0.005	85	4071		0.0216	
108 Hexachlorobutadiene	225		26.022					0	
109 Naphthalene	128		26.332					0	
110 1,2,3-Trichlorobenzene	180		26.807					0	
111 Total Alkanes	1		0.000					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

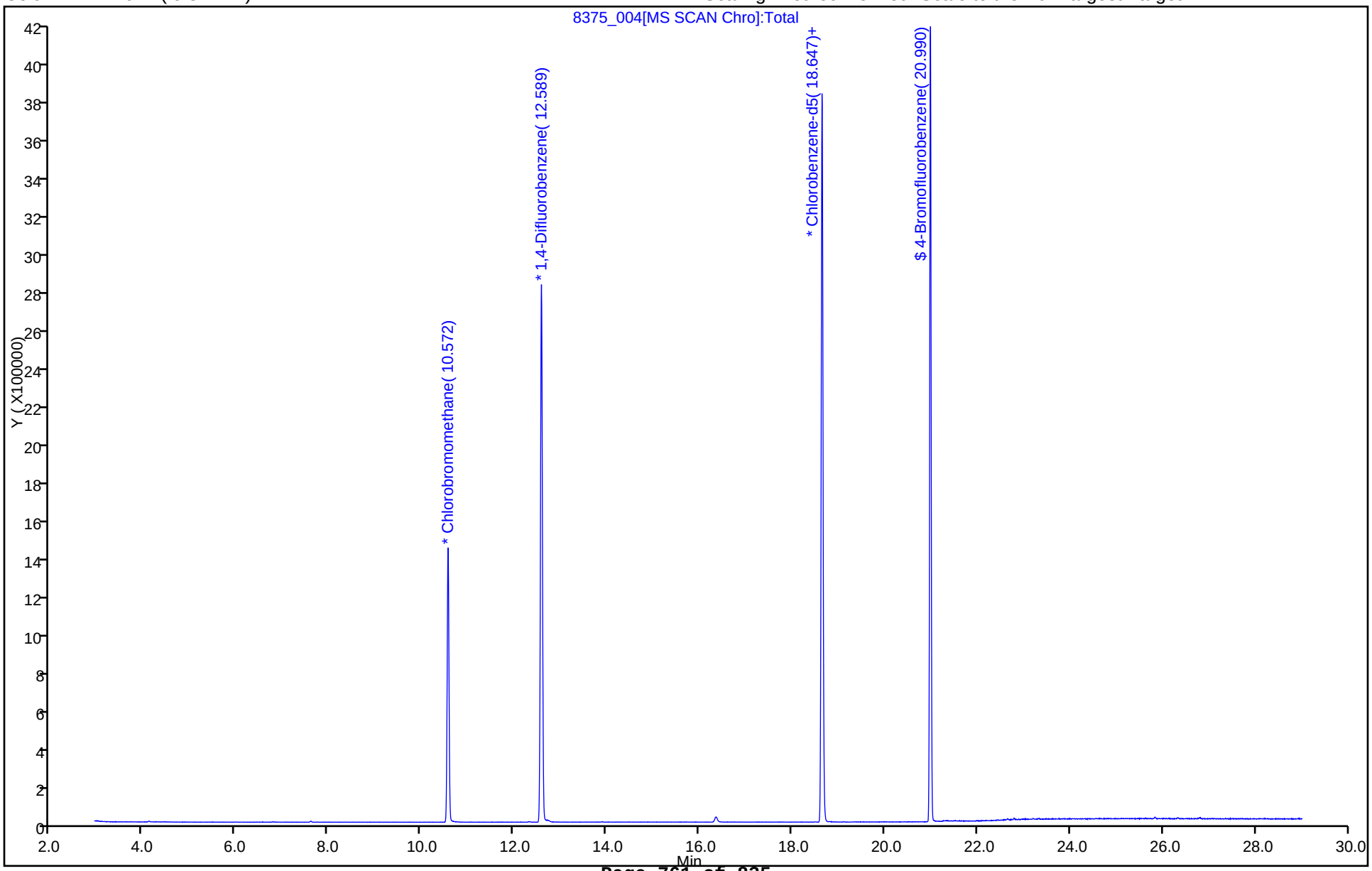
Report Date: 02-Jul-2014 12:24:16 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140702-8375.b\8375_004.D

Injection Date:	02-Jul-2014 11:25:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Lab File ID: 8375_004.D Lab Sample ID: MB 200-74455/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHC.i Date Analyzed: 07/02/2014 11:25

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-74455/3	8375_003.D	07/02/2014 10:32
4380	200-23031-10	8375_014.D	07/02/2014 20:32

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74455/4

Matrix: Air Lab File ID: 8375_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/02/2014 11:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74455 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74455/4

Matrix: Air Lab File ID: 8375_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/02/2014 11:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74455 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74455/4

Matrix: Air Lab File ID: 8375_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/02/2014 11:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74455 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140702-8375.b\8375_004.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 02-Jul-2014 11:25:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008375-006
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140702-8375.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 02-Jul-2014 12:24:15 Calib Date: 15-Jun-2014 07:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140614-8064.b\8064_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: desjardinsb Date: 02-Jul-2014 12:24:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		3.010					ND	
2 Dichlorodifluoromethane	85		3.084					ND	
6 Chlorodifluoromethane	51		3.138					0	
3 Difluoroethane TIC	51		3.150					ND	
4 Chlorotrifluoroethene TIC	116		3.162					ND	
5 Freon 115 TIC	85		3.180					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.357					ND	
8 Chloromethane	50		3.501					0	
9 Butane	43		3.709					0	
10 Vinyl chloride	62		3.757					ND	
11 Butadiene	54		3.837					ND	
12 Bromomethane	94		4.552					ND	
13 Chloroethane	64		4.803					ND	
14 2-Methylbutane	43		4.883					ND	
15 Vinyl bromide	106		5.209					ND	
16 Trichlorofluoromethane	101		5.315					ND	
17 Pentane	43		5.459					ND	
19 Ethanol	45		5.961					ND	
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
21 Ethyl ether	59		6.020					ND	
22 Acrolein	56		6.425					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.441					ND	
24 1,1-Dichloroethene	96		6.479					ND	
25 Acetone	43		6.756					0	
26 Carbon disulfide	76		6.858					ND	
27 Isopropyl alcohol	45		7.082					ND	
28 Methyl Acetate TIC	43		7.200					ND	
29 3-Chloro-1-propene	41		7.301					ND	
30 Acetonitrile	41		7.466					ND	
31 Methylene Chloride	49	7.615	7.610	0.005	69	2635		0.0820	
32 2-Methyl-2-propanol	59		7.872					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Methyl tert-butyl ether	73		8.026					ND	
34 trans-1,2-Dichloroethene	61		8.053					ND	
35 Acrylonitrile	53		8.240					ND	
36 Hexane	57		8.448					ND	
37 1,1-Dichloroethane	63		8.955					ND	
38 Vinyl acetate	43		9.051					ND	
39 cis-1,2-Dichloroethene	96		10.097					ND	
40 2-Butanone (MEK)	72		10.172					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
42 Ethyl acetate	88		10.220					ND	
* 43 Chlorobromomethane	128	10.572	10.572	0.000	66	773548	10.0	10.0	
44 Tetrahydrofuran	42		10.583					ND	
45 Chloroform	83		10.722					ND	
46 Cyclohexane	84		10.935					ND	
47 1,1,1-Trichloroethane	97		10.983					ND	
48 Carbon tetrachloride	117		11.229					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
51 Isooctane	57		11.677					ND	
50 Benzene	78		11.714					ND	
52 1,2-Dichloroethane	62		11.917					ND	
53 n-Heptane	43		12.088					ND	
* 54 1,4-Difluorobenzene	114	12.589	12.595	-0.006	91	4371223	10.0	10.0	
55 n-Butanol	56		13.027					ND	
56 Trichloroethene	95		13.054					ND	
A 57 GRO	1	13.193	(4.873-21.512)		0	714514		0	
58 1,2-Dichloropropane	63		13.635					ND	
59 Methyl methacrylate	69		13.822					ND	
60 1,4-Dioxane	88		13.881					ND	
61 Dibromomethane	174		13.897					ND	
62 Dichlorobromomethane	83		14.207					ND	
A 63 TVOC as Toluene	1	14.908	(3.000-26.817)		0	810902		3.85	
64 cis-1,3-Dichloropropene	75		15.151					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.461					ND	
66 Toluene	92		15.738					ND	
A 67 Toluene Range	1		(15.698-15.778)					ND	
A 69 C8 Range	1	15.797	(15.747-15.847)		0	833		NC	
68 n-Octane	43		15.797					ND	
70 trans-1,3-Dichloropropene	75		16.357					0	
71 1,1,2-Trichloroethane	83		16.731					ND	
72 Tetrachloroethene	166		16.816					ND	
73 2-Hexanone	43		17.190					0	
74 Chlorodibromomethane	129		17.489					ND	
75 Ethylene Dibromide	107		17.756					0	
80 1,2-Dibromo-3-Chloropropan	75	18.652	18.652	0.000	33	48249		NC	
* 76 Chlorobenzene-d5	117	18.647	18.652	-0.005	81	4176077	10.0	10.0	
77 Chlorobenzene	112		18.711					0	
78 Ethylbenzene	91		18.866					ND	
79 n-Nonane	57		18.983					ND	
81 m-Xylene & p-Xylene	106		19.111					ND	
83 o-Xylene	106		19.949					ND	
84 Styrene	104		20.002					0	
S 82 Xylenes, Total	106		20.100					0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 Bromoform	173		20.419					0	
86 Isopropylbenzene	105		20.621					0	
$ 87 4-Bromofluorobenzene	95	20.990	20.984	0.006	98	1994323	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		21.273					0	
90 N-Propylbenzene	91		21.331					0	
89 1,2,3-Trichloropropane	75		21.369					ND	
93 n-Decane	57		21.502					ND	
91 4-Ethyltoluene	105		21.523					0	
92 2-Chlorotoluene	91		21.529					0	
94 1,3,5-Trimethylbenzene	105		21.625					0	
95 Alpha Methyl Styrene	118		21.988					0	
96 tert-Butylbenzene	119		22.110					0	
97 1,2,4-Trimethylbenzene	105		22.201					0	
98 sec-Butylbenzene	105		22.431					0	
99 4-Isopropyltoluene	119		22.628					0	
100 1,3-Dichlorobenzene	146	22.660	22.660	0.000	95	2486		0.008429	
101 1,4-Dichlorobenzene	146	22.788	22.794	-0.006	34	2228		0.007534	
102 Benzyl chloride	91		22.996					0	
103 n-Butylbenzene	91		23.199					0	
104 Undecane	57		23.221					ND	
105 1,2-Dichlorobenzene	146	23.333	23.327	0.006	29	2236		0.007977	
106 Dodecane	57		24.811					0	
107 1,2,4-Trichlorobenzene	180	25.841	25.836	0.005	85	4071		0.0216	
108 Hexachlorobutadiene	225		26.022					0	
109 Naphthalene	128		26.332					0	
110 1,2,3-Trichlorobenzene	180		26.807					0	
111 Total Alkanes	1		0.000					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

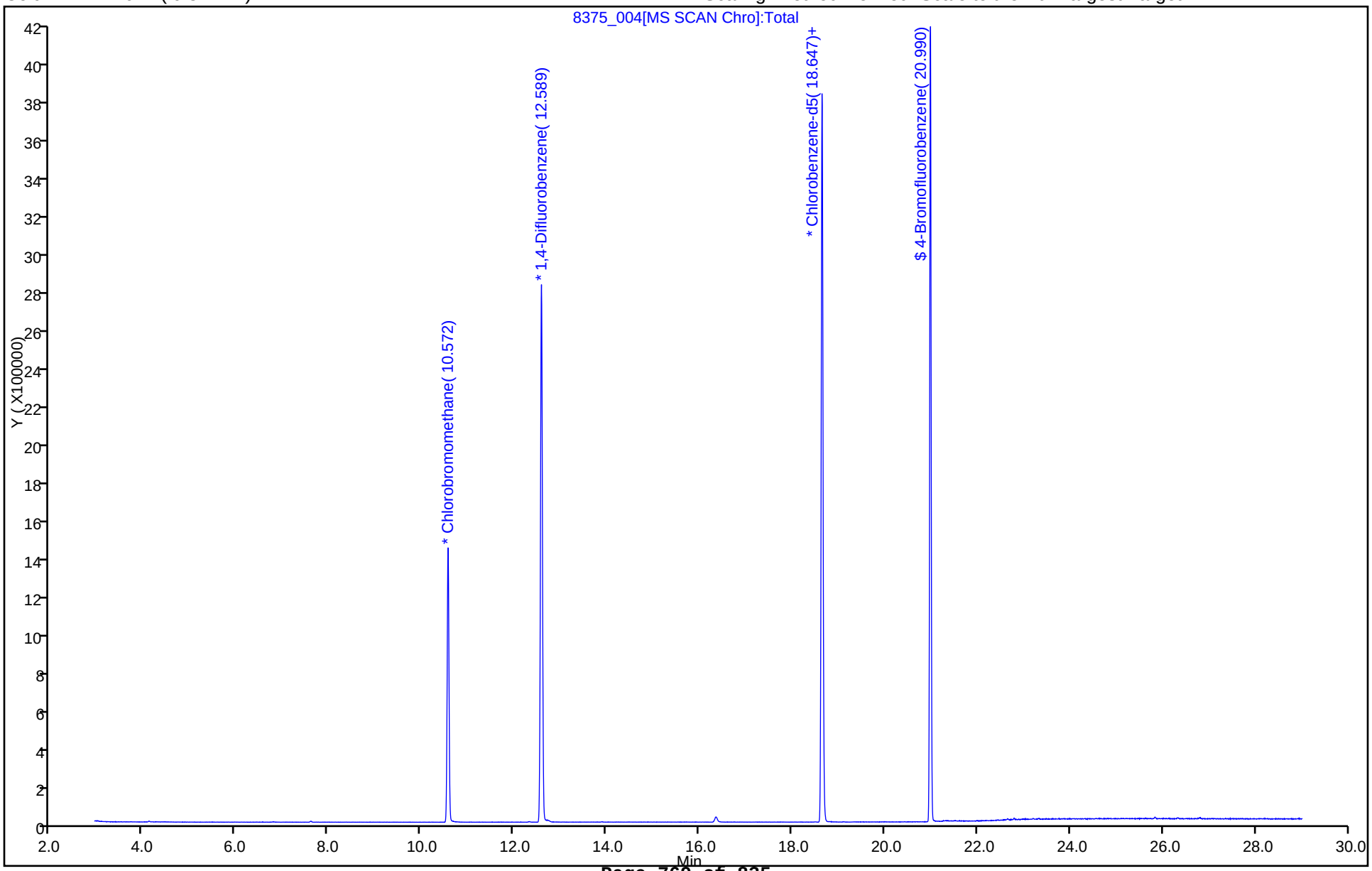
Report Date: 02-Jul-2014 12:24:16 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140702-8375.b\8375_004.D

Injection Date:	02-Jul-2014 11:25:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Lab File ID: 8064_01.D BFB Injection Date: 06/14/2014

Instrument ID: CHC.i BFB Injection Time: 23:59

Analysis Batch No.: 73607

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	11.2	
75	30.0 - 66.0% of mass 95	39.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.3	(0.3)1
174	50.0 - 120.0% of mass 95	108.0	
175	4.0 - 9.0 % of mass 174	7.5	(6.9)1
176	93.0 - 101.0% of mass 174	104.1	(96.4)1
177	5.0 - 9.0% of mass 176	6.7	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-73607/3	8064_03.D	06/15/2014	01:34
	IC 200-73607/4	8064_04.D	06/15/2014	02:21
	IC 200-73607/5	8064_05.D	06/15/2014	03:08
	IC 200-73607/6	8064_06.D	06/15/2014	03:55
	ICIS 200-73607/7	8064_07.D	06/15/2014	04:42
	IC 200-73607/8	8064_08.D	06/15/2014	05:29
	IC 200-73607/9	8064_09.D	06/15/2014	06:16
	IC 200-73607/10	8064_10.D	06/15/2014	07:03
	ICV 200-73607/14	8064_14.D	06/15/2014	10:11

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Lab File ID: 8375_001.D BFB Injection Date: 07/02/2014

Instrument ID: CHC.i BFB Injection Time: 08:43

Analysis Batch No.: 74455

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.3	
75	30.0 - 66.0% of mass 95	40.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.5	
173	Less than 2.0% of mass 174	0.4	(0.3)1
174	50.0 - 120.0% of mass 95	106.3	
175	4.0 - 9.0 % of mass 174	7.3	(6.9)1
176	93.0 - 101.0% of mass 174	103.4	(97.3)1
177	5.0 - 9.0% of mass 176	6.8	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-74455/2	8375_002.D	07/02/2014	09:33
	LCS 200-74455/3	8375_003.D	07/02/2014	10:32
	MB 200-74455/4	8375_004.D	07/02/2014	11:25
2885	200-23023-7	8375_012.D	07/02/2014	18:36

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Lab File ID: 8064_01.D BFB Injection Date: 06/14/2014

Instrument ID: CHC.i BFB Injection Time: 23:59

Analysis Batch No.: 73607

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	11.2	
75	30.0 - 66.0% of mass 95	39.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.3	(0.3)1
174	50.0 - 120.0% of mass 95	108.0	
175	4.0 - 9.0 % of mass 174	7.5	(6.9)1
176	93.0 - 101.0% of mass 174	104.1	(96.4)1
177	5.0 - 9.0% of mass 176	6.7	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-73607/3	8064_03.D	06/15/2014	01:34
	IC 200-73607/4	8064_04.D	06/15/2014	02:21
	IC 200-73607/5	8064_05.D	06/15/2014	03:08
	IC 200-73607/6	8064_06.D	06/15/2014	03:55
	ICIS 200-73607/7	8064_07.D	06/15/2014	04:42
	IC 200-73607/8	8064_08.D	06/15/2014	05:29
	IC 200-73607/9	8064_09.D	06/15/2014	06:16
	IC 200-73607/10	8064_10.D	06/15/2014	07:03
	ICV 200-73607/14	8064_14.D	06/15/2014	10:11

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Lab File ID: 8375_001.D BFB Injection Date: 07/02/2014

Instrument ID: CHC.i BFB Injection Time: 08:43

Analysis Batch No.: 74455

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.3	
75	30.0 - 66.0% of mass 95	40.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.5	
173	Less than 2.0% of mass 174	0.4	(0.3)1
174	50.0 - 120.0% of mass 95	106.3	
175	4.0 - 9.0 % of mass 174	7.3	(6.9)1
176	93.0 - 101.0% of mass 174	103.4	(97.3)1
177	5.0 - 9.0% of mass 176	6.8	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-74455/2	8375_002.D	07/02/2014	09:33
	LCS 200-74455/3	8375_003.D	07/02/2014	10:32
	MB 200-74455/4	8375_004.D	07/02/2014	11:25
4380	200-23031-10	8375_014.D	07/02/2014	20:32

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Sample No.: ICIS 200-73607/7 Date Analyzed: 06/15/2014 04:42

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 8064_07.D Heated Purge: (Y/N) N

Calibration ID: 27122

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1024382	10.58	5499128	12.60	5492543	18.66
UPPER LIMIT		1434135	10.91	7698779	12.93	7689560	18.99
LOWER LIMIT		614629	10.25	3299477	12.27	3295526	18.33
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-73607/14		1080488	10.58	6180599	12.60	6274469	18.65

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Sample No.: CCVIS 200-74455/2 Date Analyzed: 07/02/2014 09:33

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 8375_002.D Heated Purge: (Y/N) N

Calibration ID: 27122

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		703708	10.57	3735252	12.60	3706708	18.65
UPPER LIMIT		985191	10.90	5229353	12.93	5189391	18.98
LOWER LIMIT		422225	10.24	2241151	12.27	2224025	18.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-74455/3		808820	10.58	4490451	12.60	4630622	18.65
MB 200-74455/4		773548	10.57	4371223	12.59	4176077	18.65
200-23023-7	2885	667720	10.57	3528968	12.59	3165506	18.65

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Sample No.: ICIS 200-73607/7 Date Analyzed: 06/15/2014 04:42

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 8064_07.D Heated Purge: (Y/N) N

Calibration ID: 27122

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1024382	10.58	5499128	12.60	5492543	18.66
UPPER LIMIT		1434135	10.91	7698779	12.93	7689560	18.99
LOWER LIMIT		614629	10.25	3299477	12.27	3295526	18.33
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-73607/14		1080488	10.58	6180599	12.60	6274469	18.65

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Sample No.: CCVIS 200-74455/2 Date Analyzed: 07/02/2014 09:33

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 8375_002.D Heated Purge: (Y/N) N

Calibration ID: 27122

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		703708	10.57	3735252	12.60	3706708	18.65
UPPER LIMIT		985191	10.90	5229353	12.93	5189391	18.98
LOWER LIMIT		422225	10.24	2241151	12.27	2224025	18.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-74455/3		808820	10.58	4490451	12.60	4630622	18.65
MB 200-74455/4		773548	10.57	4371223	12.59	4176077	18.65
200-23031-10	4380	581113	10.57	3030742	12.59	2766328	18.65

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Client Sample ID: 2885 Lab Sample ID: 200-23023-7

Matrix: Air Lab File ID: 8375_012.D

Analysis Method: TO-15 Date Collected: 06/30/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/02/2014 18:36

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74455 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Client Sample ID: 2885 Lab Sample ID: 200-23023-7

Matrix: Air Lab File ID: 8375_012.D

Analysis Method: TO-15 Date Collected: 06/30/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/02/2014 18:36

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74455 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Client Sample ID: 2885 Lab Sample ID: 200-23023-7

Matrix: Air Lab File ID: 8375_012.D

Analysis Method: TO-15 Date Collected: 06/30/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/02/2014 18:36

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74455 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140702-8375.b\8375_012.D
Lims ID: 200-23023-A-7 Lab Sample ID: 200-23023-7
Client ID: 2885
Sample Type: Client
Inject. Date: 02-Jul-2014 18:36:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0008375-012
Misc. Info.: 23023-7
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140702-8375.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 03-Jul-2014 11:06:17 Calib Date: 15-Jun-2014 07:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140614-8064.b\8064_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: desjardinsb Date: 03-Jul-2014 11:06:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.010				ND	
2 Dichlorodifluoromethane	85		3.084				0	
6 Chlorodifluoromethane	51		3.138				ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.357				ND	
8 Chloromethane	50		3.501				0	
9 Butane	43		3.709				0	
10 Vinyl chloride	62		3.757				ND	
11 Butadiene	54		3.837				ND	
12 Bromomethane	94		4.552				ND	
13 Chloroethane	64		4.803				ND	
15 Vinyl bromide	106		5.209				ND	
16 Trichlorofluoromethane	101		5.315				ND	
19 Ethanol	45		5.961				0	
23 1,1,2-Trichloro-1,2,2-trif	101		6.441				ND	
24 1,1-Dichloroethene	96		6.479				ND	
25 Acetone	43		6.756				0	
26 Carbon disulfide	76		6.858				0	
27 Isopropyl alcohol	45		7.082				0	
29 3-Chloro-1-propene	41		7.301				0	
31 Methylene Chloride	49	7.610	7.610	0.000	48	3918	0.1412	
32 2-Methyl-2-propanol	59		7.872				ND	
33 Methyl tert-butyl ether	73		8.026				ND	
34 trans-1,2-Dichloroethene	61		8.053				ND	
36 Hexane	57		8.448				ND	
37 1,1-Dichloroethane	63		8.955				ND	
38 Vinyl acetate	43		9.051				ND	
39 cis-1,2-Dichloroethene	96		10.097				ND	
40 2-Butanone (MEK)	72		10.172				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
42 Ethyl acetate	88		10.220				ND	
* 43 Chlorobromomethane	128	10.572	10.572	0.000	69	667720	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Tetrahydrofuran	42		10.583				ND	
45 Chloroform	83		10.722				ND	
46 Cyclohexane	84		10.935				ND	
47 1,1,1-Trichloroethane	97		10.983				ND	
48 Carbon tetrachloride	117		11.229				ND	
51 Isooctane	57		11.677				ND	
50 Benzene	78		11.714				ND	
52 1,2-Dichloroethane	62		11.917				ND	
53 n-Heptane	43		12.088				ND	
* 54 1,4-Difluorobenzene	114	12.589	12.595	-0.006	93	3528968	10.0	
56 Trichloroethene	95		13.054				ND	
58 1,2-Dichloropropane	63		13.635				ND	
59 Methyl methacrylate	69		13.822				ND	
60 1,4-Dioxane	88		13.881				ND	
61 Dibromomethane	174		13.897				0	
62 Dichlorobromomethane	83		14.207				ND	
64 cis-1,3-Dichloropropene	75		15.151				ND	
65 4-Methyl-2-pentanone (MIBK	43		15.461				ND	
66 Toluene	92		15.738				ND	
70 trans-1,3-Dichloropropene	75		16.357				0	
71 1,1,2-Trichloroethane	83		16.731				ND	
72 Tetrachloroethene	166		16.816				ND	
73 2-Hexanone	43		17.190				ND	
74 Chlorodibromomethane	129		17.489				ND	
75 Ethylene Dibromide	107		17.756				ND	
* 76 Chlorobenzene-d5	117	18.647	18.652	-0.005	84	3165506	10.0	
77 Chlorobenzene	112		18.711				ND	
78 Ethylbenzene	91		18.866				ND	
81 m-Xylene & p-Xylene	106		19.111				ND	
83 o-Xylene	106		19.949				ND	
84 Styrene	104		20.002				ND	
S 82 Xylenes, Total	106		20.100				0	
85 Bromoform	173		20.419				ND	
86 Isopropylbenzene	105		20.621				ND	
$ 87 4-Bromofluorobenzene	95	20.984	20.984	0.000	90	1752355	NC	
88 1,1,2,2-Tetrachloroethane	83		21.273				ND	
90 N-Propylbenzene	91		21.331				0	
91 4-Ethyltoluene	105		21.523				ND	
92 2-Chlorotoluene	91		21.529				0	
94 1,3,5-Trimethylbenzene	105		21.625				ND	
96 tert-Butylbenzene	119		22.110				ND	
97 1,2,4-Trimethylbenzene	105		22.201				0	
98 sec-Butylbenzene	105		22.431				0	
99 4-Isopropyltoluene	119		22.628				ND	
100 1,3-Dichlorobenzene	146		22.660				ND	
101 1,4-Dichlorobenzene	146		22.794				ND	
102 Benzyl chloride	91		22.996				0	
103 n-Butylbenzene	91		23.199				0	
105 1,2-Dichlorobenzene	146		23.327				ND	
107 1,2,4-Trichlorobenzene	180		25.836				ND	
108 Hexachlorobutadiene	225		26.022				ND	
109 Naphthalene	128		26.332				0	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

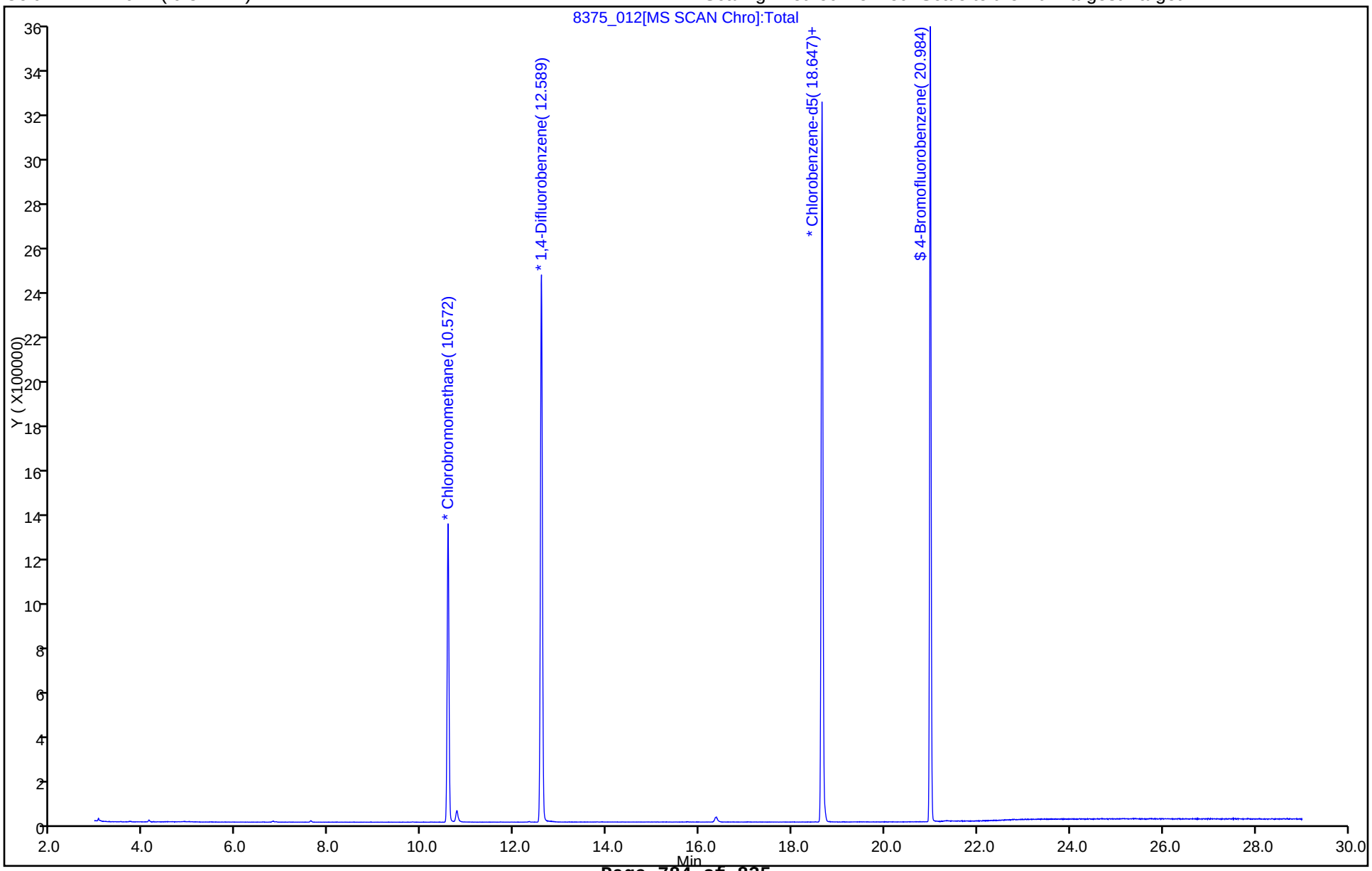
ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 03-Jul-2014 11:06:18 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140702-8375.b\8375_012.D				
Injection Date:	02-Jul-2014 18:36:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-23023-A-7	Lab Sample ID:	200-23023-7	Worklist Smp#:	12
Client ID:	2885				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	12
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Client Sample ID: 4380 Lab Sample ID: 200-23031-10

Matrix: Air Lab File ID: 8375_014.D

Analysis Method: TO-15 Date Collected: 06/30/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/02/2014 20:32

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74455 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-23031-1

SDG No.:

Client Sample ID: 4380 | Lab Sample ID: 200-23031-10

Matrix: Air | Lab File ID: 8375_014.D

Analysis Method: TO-15 | Date Collected: 06/30/2014 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 07/02/2014 20:32

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 74455 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Client Sample ID: 4380 Lab Sample ID: 200-23031-10

Matrix: Air Lab File ID: 8375_014.D

Analysis Method: TO-15 Date Collected: 06/30/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/02/2014 20:32

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74455 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140702-8375.b\8375_014.D
Lims ID: 200-23031-A-10 Lab Sample ID: 200-23031-10
Client ID: 4380
Sample Type: Client
Inject. Date: 02-Jul-2014 20:32:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0008375-014
Misc. Info.: 23031-10
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140702-8375.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 03-Jul-2014 11:08:25 Calib Date: 15-Jun-2014 07:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140614-8064.b\8064_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: desjardinsb Date: 03-Jul-2014 11:08:25

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41		3.010				ND	
	2 Dichlorodifluoromethane	85		3.084				0	
	6 Chlorodifluoromethane	51		3.138				0	
	7 1,2-Dichloro-1,1,2,2-tetra	85		3.357				ND	
	8 Chloromethane	50	3.511	3.501	0.010	46	2572	0.1387	
	9 Butane	43		3.709				0	
	10 Vinyl chloride	62		3.757				ND	
	11 Butadiene	54		3.837				ND	
	12 Bromomethane	94		4.552				ND	
	13 Chloroethane	64		4.803				ND	
	15 Vinyl bromide	106		5.209				ND	
	16 Trichlorofluoromethane	101		5.315				0	
	19 Ethanol	45		5.961				0	
	23 1,1,2-Trichloro-1,2,2-trif	101		6.441				ND	
	24 1,1-Dichloroethene	96		6.479				ND	
	25 Acetone	43		6.756				0	
	26 Carbon disulfide	76	6.863	6.858	0.005	81	8624	0.0939	
	27 Isopropyl alcohol	45		7.082				ND	
	29 3-Chloro-1-propene	41		7.301				0	
	31 Methylene Chloride	49	7.615	7.610	0.005	68	5424	0.2247	
	32 2-Methyl-2-propanol	59		7.872				ND	
	33 Methyl tert-butyl ether	73		8.026				ND	
	34 trans-1,2-Dichloroethene	61		8.053				ND	
	36 Hexane	57		8.448				ND	
	37 1,1-Dichloroethane	63		8.955				ND	
	38 Vinyl acetate	43		9.051				ND	
	39 cis-1,2-Dichloroethene	96		10.097				ND	
	40 2-Butanone (MEK)	72		10.172				ND	
S	41 1,2-Dichloroethene, Total	61		10.200				0	
	42 Ethyl acetate	88		10.220				ND	
*	43 Chlorobromomethane	128	10.572	10.572	0.000	72	581113	10.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	44 Tetrahydrofuran	42		10.583				ND	
	45 Chloroform	83		10.722				ND	
	46 Cyclohexane	84		10.935				ND	
	47 1,1,1-Trichloroethane	97		10.983				ND	
	48 Carbon tetrachloride	117		11.229				ND	
	51 Isooctane	57		11.677				ND	
	50 Benzene	78		11.714				ND	
	52 1,2-Dichloroethane	62		11.917				ND	
	53 n-Heptane	43	12.077	12.088	-0.011	71	1706	0.0302	
*	54 1,4-Difluorobenzene	114	12.589	12.595	-0.006	94	3030742	10.0	
	56 Trichloroethene	95		13.054				ND	
	58 1,2-Dichloropropane	63		13.635				ND	
	59 Methyl methacrylate	69		13.822				ND	
	60 1,4-Dioxane	88		13.881				ND	
	61 Dibromomethane	174		13.897				0	
	62 Dichlorobromomethane	83		14.207				ND	
	64 cis-1,3-Dichloropropene	75		15.151				ND	
	65 4-Methyl-2-pentanone (MIBK	43		15.461				ND	
	66 Toluene	92		15.738				ND	
	70 trans-1,3-Dichloropropene	75		16.357				0	
	71 1,1,2-Trichloroethane	83		16.731				ND	
	72 Tetrachloroethene	166		16.816				ND	
	73 2-Hexanone	43		17.190				ND	
	74 Chlorodibromomethane	129		17.489				ND	
	75 Ethylene Dibromide	107		17.756				ND	
*	76 Chlorobenzene-d5	117	18.647	18.652	-0.005	85	2766328	10.0	
	77 Chlorobenzene	112		18.711				ND	
	78 Ethylbenzene	91		18.866				ND	
	81 m-Xylene & p-Xylene	106		19.111				ND	
	83 o-Xylene	106		19.949				ND	
	84 Styrene	104		20.002				ND	
S	82 Xylenes, Total	106		20.100				0	
	85 Bromoform	173		20.419				ND	
	86 Isopropylbenzene	105		20.621				ND	
$	87 4-Bromofluorobenzene	95	20.984	20.984	0.000	87	1651180	NC	
	88 1,1,2,2-Tetrachloroethane	83		21.273				ND	
	90 N-Propylbenzene	91		21.331				ND	
	91 4-Ethyltoluene	105		21.523				ND	
	92 2-Chlorotoluene	91		21.529				ND	
	94 1,3,5-Trimethylbenzene	105		21.625				ND	
	96 tert-Butylbenzene	119		22.110				ND	
	97 1,2,4-Trimethylbenzene	105		22.201				0	
	98 sec-Butylbenzene	105		22.431				0	
	99 4-Isopropyltoluene	119		22.628				ND	
	100 1,3-Dichlorobenzene	146		22.660				ND	
	101 1,4-Dichlorobenzene	146		22.794				ND	
	102 Benzyl chloride	91		22.996				0	
	103 n-Butylbenzene	91		23.199				0	
	105 1,2-Dichlorobenzene	146		23.327				ND	
	107 1,2,4-Trichlorobenzene	180		25.836				ND	
	108 Hexachlorobutadiene	225		26.022				ND	
	109 Naphthalene	128		26.332				0	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

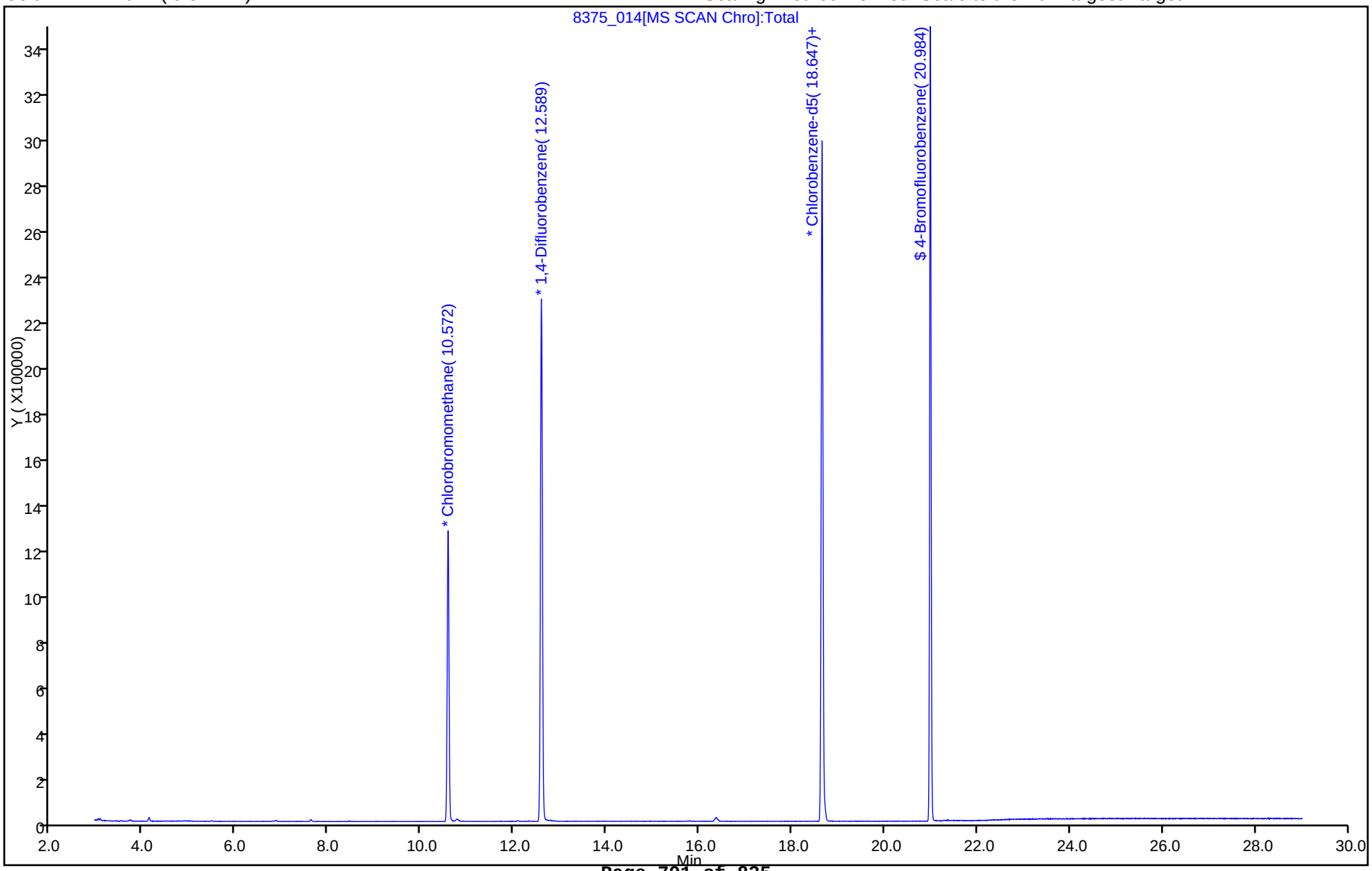
ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 03-Jul-2014 11:08:26 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140702-8375.b\8375_014.D				
Injection Date:	02-Jul-2014 20:32:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-23031-A-10	Lab Sample ID:	200-23031-10	Worklist Smp#:	14
Client ID:	4380				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	14
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23023-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-73607/3	8064_03.D
Level 2	IC 200-73607/4	8064_04.D
Level 3	IC 200-73607/5	8064_05.D
Level 4	IC 200-73607/6	8064_06.D
Level 5	ICIS 200-73607/7	8064_07.D
Level 6	IC 200-73607/8	8064_08.D
Level 7	IC 200-73607/9	8064_09.D
Level 8	IC 200-73607/10	8064_10.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.1935	+++++ 0.1892	0.3039 0.1722	0.2212	0.2247	Ave		0.2174				22.0		30.0			
Dichlorodifluoromethane	+++++ 1.6945	+++++ 1.6975	2.0474 1.5817	1.6555	1.9108	Ave		1.7646				10.0		30.0			
Freon 22	+++++ 0.5661	+++++ 0.5587	0.8018 0.5057	0.6055	0.6651	Ave		0.6171				17.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.4916	1.6655 1.4828	1.8476 1.3414	1.4773	1.7055	Ave		1.5731				11.0		30.0			
Chloromethane	+++++ 0.2900	+++++ 0.2812	0.4369 0.2561	0.3119	0.3381	Ave		0.3190				20.0		30.0			
n-Butane	+++++ 0.4196	+++++ 0.4098	0.5821 0.3742	0.4887	0.4856	Ave		0.4600				16.0		30.0			
Vinyl chloride	0.5163 0.4235	0.4561 0.4192	0.5502 0.3851	0.4355	0.4879	Ave		0.4592				12.0		30.0			
1,3-Butadiene	+++++ 0.2765	0.3150 0.2690	0.3441 0.2480	0.2832	0.3280	Ave		0.2948				12.0		30.0			
Bromomethane	+++++ 0.6187	0.7338 0.6243	0.7566 0.5917	0.5967	0.6978	Ave		0.6599				10.0		30.0			
Chloroethane	+++++ 0.2006	+++++ 0.1999	0.2620 0.1837	0.2037	0.2345	Ave		0.2141				13.0		30.0			
Isopentane	+++++ 0.2706	0.3648 0.2611	0.3735 0.2443	0.2926	0.3199	Ave		0.3038				17.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.7920	0.8310 0.8016	0.8793 0.7588	0.7087	0.8635	Ave		0.8050				7.4		30.0			
Trichlorofluoromethane	+++++ 1.9970	2.1444 2.0302	2.2861 1.9279	1.8322	2.2005	Ave		2.0598				7.7		30.0			
n-Pentane	+++++ 0.4648	+++++ 0.4582	0.6257 0.4205	0.5278	0.5552	Ave		0.5087				15.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23023-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.1179	+++++ 0.1147	0.1610 0.0982	0.1540	0.1306	Ave		0.1294				19.0		30.0			
Ethyl ether	+++++ 0.2664	0.2911 0.2636	0.3425 0.2418	0.2716	0.3094	Ave		0.2838				12.0		30.0			
Acrolein	+++++ 0.1086	+++++ 0.1139	+++++ 0.0942	0.1148	0.1436	Ave		0.1150				16.0		30.0			
Freon TF	+++++ 1.3779	1.4610 1.3925	1.5756 1.2956	1.2882	1.5374	Ave		1.4183				7.9		30.0			
1,1-Dichloroethene	+++++ 0.6570	0.7148 0.6609	0.7697 0.6182	0.6087	0.7424	Ave		0.6817				9.1		30.0			
Acetone	+++++ 0.5235	+++++ 0.5160	+++++ 0.4255	0.6829	0.5460	Ave		0.5388				17.0		30.0			
Carbon disulfide	+++++ 1.4208	+++++ 1.4144	2.2983 1.3274	1.3899	1.6304	Ave		1.5802				23.0		30.0			
Isopropyl alcohol	+++++ 0.4180	+++++ 0.4055	+++++ 0.3581	0.4474	0.4431	Ave		0.4144				8.7		30.0			
3-Chloropropene	+++++ 0.3568	0.4295 0.3516	0.4664 0.3316	0.3637	0.4195	Ave		0.3884				13.0		30.0			
Acetonitrile	+++++ 0.1860	+++++ 0.1813	+++++ 0.1683	0.2004	0.2019	Ave		0.1876				7.5		30.0			
Methylene Chloride	+++++ 0.3713	+++++ 0.3634	0.5832 0.3352	0.4045	0.4353	Ave		0.4155				21.0		30.0			
tert-Butyl alcohol	+++++ 0.7982	+++++ 0.7888	+++++ 0.7189	0.7914	0.8483	Ave		0.7891				5.8		30.0			
Methyl tert-butyl ether	+++++ 1.5250	1.6069 1.5300	1.7403 1.4441	1.4442	1.7075	Ave		1.5712				7.6		30.0			
trans-1,2-Dichloroethene	+++++ 0.6237	0.7081 0.6121	0.7797 0.5629	0.6343	0.7195	Ave		0.6629				11.0		30.0			
Acrylonitrile	+++++ 0.2465	+++++ 0.2444	0.2851 0.2286	0.2452	0.2841	Ave		0.2556				9.1		30.0			
n-Hexane	+++++ 0.5629	0.6449 0.5521	0.6899 0.5121	0.5861	0.6479	Ave		0.5994				11.0		30.0			
1,1-Dichloroethane	0.9612 0.8750	0.9577 0.8715	1.0955 0.8094	0.8740	1.0055	Ave		0.9312				9.9		30.0			
Vinyl acetate	+++++ 0.8657	+++++ 0.8493	+++++ 0.8016	0.8649	1.0061	Ave		0.8775				8.7		30.0			
cis-1,2-Dichloroethene	+++++ 0.8836	0.8730 0.9029	0.9921 0.8446	0.7883	0.9685	Ave		0.8933				7.8		30.0			
Methyl Ethyl Ketone	+++++ 0.3099	+++++ 0.3086	0.5248 0.2769	0.3066	0.3345	Ave		0.3435				26.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23023-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0626	+++++ 0.0633	+++++ 0.0589	0.0539	0.0673	Ave		0.0612				8.2		30.0			
Tetrahydrofuran	+++++ 0.0741	+++++ 0.0689	+++++ 0.0633	0.0819	0.0897	Ave		0.0756				14.0		30.0			
Chloroform	+++++ 1.6610	1.6881 1.6801	1.9076 1.5819	1.5434	1.8399	Ave		1.7003				7.7		30.0			
Cyclohexane	+++++ 0.1922	0.1995 0.1881	0.2226 0.1742	0.1816	0.2198	Ave		0.1969				9.4		30.0			
1,1,1-Trichloroethane	+++++ 0.3451	0.3596 0.3434	0.3872 0.3282	0.3144	0.3862	Ave		0.3520				7.8		30.0			
Carbon tetrachloride	0.3822 0.3948	0.3738 0.3878	0.4116 0.3875	0.3407	0.4295	Ave		0.3885				6.7		30.0			
2,2,4-Trimethylpentane	+++++ 0.5345	0.6245 0.5002	0.6799 0.4440	0.5646	0.6485	Ave		0.5709				15.0		30.0			
Benzene	+++++ 0.4548	0.5165 0.4400	0.5646 0.3983	0.4372	0.5245	Ave		0.4766				12.0		30.0			
1,2-Dichloroethane	+++++ 0.1840	0.2025 0.1778	0.2269 0.1659	0.1844	0.2159	Ave		0.1939				11.0		30.0			
n-Heptane	+++++ 0.1691	0.2141 0.1560	0.2281 0.1360	0.1919	0.2100	Ave		0.1864				18.0		30.0			
n-Butanol	+++++ 0.0778	+++++ 0.0686	+++++ 0.0583	0.0790	0.0836	Ave		0.0735				14.0		30.0			
Trichloroethene	0.3082 0.2647	0.2532 0.2665	0.2891 0.2506	0.2278	0.2855	Ave		0.2682				9.5		30.0			
1,2-Dichloropropane	+++++ 0.1912	0.2061 0.1825	0.2351 0.1637	0.1869	0.2220	Ave		0.1982				12.0		30.0			
Methyl methacrylate	+++++ 0.1943	+++++ 0.1890	0.1932 0.1733	0.1754	0.2200	Ave		0.1909				8.8		30.0			
1,4-Dioxane	+++++ 0.0996	+++++ 0.0957	+++++ 0.0777	0.0910	0.0982	Ave		0.0924				9.6		30.0			
Dibromomethane	+++++ 0.2810	0.2229 0.3099	0.2385 0.3170	0.1968	0.2736	Ave		0.2628				17.0		30.0			
Bromodichloromethane	+++++ 0.4330	0.4002 0.4323	0.4466 0.4071	0.3817	0.4802	Ave		0.4259				7.7		30.0			
cis-1,3-Dichloropropene	+++++ 0.3255	0.3014 0.3263	0.3293 0.3051	0.2837	0.3625	Ave		0.3191				7.9		30.0			
methyl isobutyl ketone	+++++ 0.2941	+++++ 0.2722	0.3577 0.2383	0.3110	0.3603	Ave		0.3056				16.0		30.0			
Toluene	+++++ 0.4556	0.4632 0.4735	0.6491 0.4288	0.4102	0.4890	Ave		0.4813				16.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23023-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.3117	0.3635 0.2822	0.4119 0.2360	0.3490	0.3913	Ave		0.3351				19.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.3363	0.3222 0.3357	0.3624 0.3154	0.2938	0.3746	Ave		0.3343				8.2		30.0			
1,1,2-Trichloroethane	+++++ 0.2220	0.2285 0.2245	0.2500 0.2014	0.2104	0.2445	Ave		0.2259				7.6		30.0			
Tetrachloroethene	+++++ 0.4243	0.3365 0.4755	0.3734 0.4617	0.3235	0.4161	Ave		0.4016				15.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2861	+++++ 0.2689	0.3706 0.2260	0.3202	0.3492	Ave		0.3035				18.0		30.0			
Dibromochloromethane	+++++ 0.5291	0.4070 0.5713	0.4595 0.5512	0.4282	0.5457	Ave		0.4988				13.0		30.0			
1,2-Dibromoethane	+++++ 0.4547	0.3951 0.4794	0.4391 0.4410	0.3918	0.4783	Ave		0.4399				8.1		30.0			
Chlorobenzene	+++++ 0.6859	0.6569 0.7348	0.7051 0.6860	0.5850	0.7139	Ave		0.6811				7.2		30.0			
Ethylbenzene	+++++ 1.0125	0.9823 1.0427	1.0860 0.9249	0.9339	1.1067	Ave		1.0127				7.0		30.0			
n-Nonane	+++++ 0.3673	0.3883 0.3463	0.4445 0.2825	0.4035	0.4410	Ave		0.3819				15.0		30.0			
m,p-Xylene	+++++ 0.4287	0.3831 0.4450	0.4396 0.3885	0.3802	0.4612	Ave		0.4180				8.0		30.0			
Xylene, o-	+++++ 0.4217	0.3715 0.4431	0.4201 0.4046	0.3705	0.4523	Ave		0.4120				7.8		30.0			
Styrene	+++++ 0.6679	0.4905 0.6725	0.5861 0.6466	0.5724	0.7164	Ave		0.6218				12.0		30.0			
Bromoform	+++++ 0.5558	0.3500 0.6058	0.4092 0.5688	0.4162	0.5624	Ave		0.4955				20.0		30.0			
Cumene	+++++ 1.2105	1.0216 1.2612	1.1532 0.9578	1.0634	1.3015	Ave		1.1385				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5871	0.6030 0.5799	0.6680 0.4688	0.5782	0.6696	Ave		0.5935				11.0		30.0			
n-Propylbenzene	+++++ 1.4225	1.3059 1.4194	1.5062 0.9182	1.3256	1.5938	Ave		1.3559				16.0		30.0			
1,2,3-Trichloropropane	+++++ 0.4337	+++++ 0.4210	0.5369 0.3389	0.4482	0.5034	Ave		0.4470				15.0		30.0			
n-Decane	+++++ 0.4011	+++++ 0.3512	0.5404 0.2446	0.5321	0.5318	Ave		0.4336				28.0		30.0			
4-Ethyltoluene	+++++ 1.1874	1.0389 1.1390	1.2083 0.8030	1.1079	1.3414	Ave		1.1180				15.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23023-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 0.9342	0.9438 0.8937	1.0905 0.6690	0.9384	1.0817	Ave		0.9359				15.0		30.0			
1,3,5-Trimethylbenzene	+++++ 0.9933	0.8690 1.0045	0.9963 0.8044	0.9160	1.1069	Ave		0.9558				10.0		30.0			
Alpha Methyl Styrene	+++++ 0.5304	0.3462 0.4078	0.4371 0.5145	0.4525	0.5859	Ave		0.4678				17.0		30.0			
tert-Butylbenzene	+++++ 0.9792	0.8340 1.0155	0.9448 0.8145	0.8776	1.0755	Ave		0.9344				10.0		30.0			
1,2,4-Trimethylbenzene	+++++ 0.9920	0.8439 1.0161	1.0090 0.7807	0.9414	1.1253	Ave		0.9584				12.0		30.0			
sec-Butylbenzene	+++++ 1.4446	1.2293 1.4298	1.4804 0.9032	1.3655	1.6448	Ave		1.3568				17.0		30.0			
4-Isopropyltoluene	+++++ 1.2468	0.9897 1.2917	1.1693 0.8185	1.1350	1.3857	Ave		1.1481				17.0		30.0			
1,3-Dichlorobenzene	+++++ 0.7606	0.5709 0.8027	0.6895 0.6597	0.6389	0.8217	Ave		0.7063				13.0		30.0			
1,4-Dichlorobenzene	+++++ 0.7576	0.5560 0.8128	0.6961 0.6779	0.6379	0.8186	Ave		0.7081				13.0		30.0			
Benzyl chloride	+++++ 0.7899	0.6421 0.8332	0.7277 0.6953	0.7577	1.0185	Ave		0.7806				16.0		30.0			
n-Butylbenzene	+++++ 1.0338	0.8598 1.0207	1.1320 0.7191	1.0847	1.1824	Ave		1.0047				16.0		30.0			
n-Undecane	+++++ 0.4559	+++++ 0.4010	+++++ 0.2740	0.5752	0.5788	Ave		0.4570				28.0		30.0			
1,2-Dichlorobenzene	+++++ 0.6951	0.5357 0.7609	0.6655 0.6806	0.6034	0.7574	Ave		0.6712				12.0		30.0			
n-Dodecane	+++++ 0.3958	+++++ 0.3630	+++++ 0.1445	0.4246	0.5112	Ave		0.3678				37.0	*	30.0			
1,2,4-Trichlorobenzene	+++++ 0.5406	+++++ 0.5977	0.2861 0.3597	0.3529	0.5681	Ave		0.4509				29.0		30.0			
Hexachlorobutadiene	+++++ 0.4238	0.2393 0.4287	0.3154 0.2362	0.3269	0.4491	Ave		0.3456				26.0		30.0			
Naphthalene	+++++ 1.1674	+++++ 1.2599	0.6703 0.8078	0.8534	1.4074	Ave		1.0277				28.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.4737	+++++ 0.5226	0.2533 0.2443	0.3367	0.5155	Ave		0.3910				33.0	*	30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23023-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-73607/3	8064_03.D
Level 2	IC 200-73607/4	8064_04.D
Level 3	IC 200-73607/5	8064_05.D
Level 4	IC 200-73607/6	8064_06.D
Level 5	ICIS 200-73607/7	8064_07.D
Level 6	IC 200-73607/8	8064_08.D
Level 7	IC 200-73607/9	8064_09.D
Level 8	IC 200-73607/10	8064_10.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 314862	+++++ 416503	14175 789546	97356	230126	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2756672	+++++ 3736723	95502 7251967	728807	1957000	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 920927	+++++ 1229779	37399 2318691	266574	681134	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2426588	32307 3264145	86181 6150219	650346	1746766	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 471843	+++++ 618911	20379 1174195	137301	346274	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 682680	+++++ 902188	27154 1715590	215149	497352	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2112 688909	8847 922819	25663 1765720	191705	499712	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 449809	6111 592174	16051 1137233	124671	335974	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 1006491	14234 1374212	35293 2712702	262670	714668	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 326424	+++++ 440105	12219 842109	89660	240142	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 440169	7076 574829	17424 1120146	128792	327605	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 1288531	16120 1764551	41013 3479301	311966	884388	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 3248843	41597 4469118	106636 8839360	806585	2253739	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 756105	+++++ 1008591	29185 1927823	232364	568584	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 256332	+++++ 504976	75208 1125254	135695	200717	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23023-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 433479	5647 580215	15976 1108472	119553	316866	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 176714	+++++ 250779	+++++ 431864	50533	147033	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 2241647	28341 3065326	73492 5940201	567113	1574597	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 1068861	13865 1454934	35903 2834334	267962	760383	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 851610	+++++ 1135835	+++++ 1951109	300609	559236	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2311476	+++++ 3113650	107206 6086150	611852	1669832	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 680034	+++++ 892746	+++++ 1641659	196942	453862	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 580401	8332 773924	21757 1520247	160124	429598	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 302573	+++++ 399069	+++++ 771528	88209	206736	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 604007	+++++ 799902	27203 1536727	178066	445825	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1298552	+++++ 1736467	+++++ 3296307	348410	868834	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 2481074	31171 3368124	81178 6620994	635784	1748821	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1014713	13735 1347377	36368 2580996	279217	736942	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 401028	+++++ 537964	13298 1048197	107922	290982	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 915703	12510 1215437	32182 2348105	257994	663548	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	3932 1423491	18578 1918521	51099 3710860	384746	1029776	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1408374	+++++ 1869487	+++++ 3675234	380749	1030414	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1437462	16935 1987488	46276 3872551	347046	991925	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 504189	+++++ 679241	24478 1269654	134955	342598	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 101846	+++++ 139296	+++++ 269969	23748	68947	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 668769	+++++ 870497	+++++ 1656888	194265	493442	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23023-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2702279	32746 3698509	88981 7253104	679439	1884344	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1734823	20508 2375489	55328 4562355	430987	1208453	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 3114238	36962 4337555	96259 8597908	746076	2123388	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	8563 3562830	38419 4897748	102302 10149781	808383	2361630	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 4823899	64196 6317555	169005 11631523	1339565	3565281	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 4104630	53093 5557328	140335 10433657	1037287	2883949	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1660429	20814 2245094	56392 4345425	437520	1186837	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 1525906	22011 1969800	56692 3561354	455424	1154364	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 702248	+++++ 866381	+++++ 1527771	187503	459748	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	6905 2389263	26028 3366107	71851 6563739	540561	1569610	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1725862	21190 2305194	58438 4287256	443458	1220445	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1753531	+++++ 2387288	48017 4539793	416227	1209561	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 899312	+++++ 1208854	+++++ 2034612	215858	539924	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 2535560	22916 3913607	59275 8304076	467000	1504014	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 3907430	41139 5459579	111018 10663495	905744	2640216	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2937756	30986 4121706	81855 7991036	673136	1993263	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2653882	+++++ 3438516	88905 6241062	737861	1980977	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 4106946	44104 5868793	149941 11454270	899444	2685137	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 2813123	37365 3564800	102378 6181676	828017	2151509	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 3035089	33117 4239372	90078 8261929	697171	2059461	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 2000979	21757 2783149	57758 5380596	461393	1342455	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23023-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	+++++ 3824877	32042 5893926	86251 12331018	709274	2285156	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2579251	+++++ 3333278	85597 6037639	702152	1917728	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 4769008	38750 7081708	106133 14721317	938908	2996904	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 4098672	37618 5942650	101428 11778235	859197	2626527	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 6182322	62551 9107438	162872 18322415	1282763	3920475	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 9126102	93530 12924159	250855 24704495	2047694	6077416	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 3310933	36978 4292243	102685 7546472	884841	2421816	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 7728379	72959 11031121	203072 20753527	1667350	5065661	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 3800915	35374 5492096	97030 10806135	812385	2483757	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 6020435	46709 8335526	135373 17269584	1255118	3934197	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 5009969	33327 7508876	94530 15193243	912545	3088157	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 10911148	97275 15632469	266380 25583915	2331670	7147037	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 5291601	57414 7187725	154294 12521707	1267761	3677130	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 12821759	124344 17593589	347902 24525747	2906706	8752054	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 3908912	+++++ 5218341	124012 9050737	982789	2764677	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 3615231	+++++ 4353752	124826 6533958	1166837	2920601	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 10703175	98923 14117683	279106 21446694	2429353	7366214	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 8420845	89870 11078148	251901 17869320	2057559	5940349	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 8953321	82750 12450884	230127 21484699	2008543	6078352	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 4781178	32964 5054691	100962 13740940	992094	3217434	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 8826274	79409 12587384	218229 21755143	1924326	5905913	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23023-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 8941995	80353 12594542	233073 20852801	2064286	6179761	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 13021034	117056 17722532	341962 24124018	2994204	9032174	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 11237815	94242 16010694	270097 21862481	2488817	7609692	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 6855417	54363 9949997	159260 17621316	1400925	4512180	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 6828619	52943 10074566	160782 18105947	1398725	4495555	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 7119689	61138 10328208	168100 18571599	1661314	5593187	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 9317991	81872 12651628	261488 19206866	2378513	6493325	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 4109355	+++++ 4970617	+++++ 7318609	1261229	3178357	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 6265108	51005 9432040	153726 18179106	1323040	4159449	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 3567567	+++++ 4499840	+++++ 3860654	931011	2807156	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 4872753	+++++ 7408808	66093 9607063	773753	3119866	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 3819684	22785 5314283	72862 6308263	716713	2466297	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 10522518	+++++ 15616530	154841 21575408	1871153	7728785	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 4269942	+++++ 6478220	58504 6525061	738317	2830923	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23031-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-73607/3	8064_03.D
Level 2	IC 200-73607/4	8064_04.D
Level 3	IC 200-73607/5	8064_05.D
Level 4	IC 200-73607/6	8064_06.D
Level 5	ICIS 200-73607/7	8064_07.D
Level 6	IC 200-73607/8	8064_08.D
Level 7	IC 200-73607/9	8064_09.D
Level 8	IC 200-73607/10	8064_10.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.1935	+++++ 0.1892	0.3039 0.1722	0.2212	0.2247	Ave		0.2174				22.0		30.0			
Dichlorodifluoromethane	+++++ 1.6945	+++++ 1.6975	2.0474 1.5817	1.6555	1.9108	Ave		1.7646				10.0		30.0			
Freon 22	+++++ 0.5661	+++++ 0.5587	0.8018 0.5057	0.6055	0.6651	Ave		0.6171				17.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.4916	1.6655 1.4828	1.8476 1.3414	1.4773	1.7055	Ave		1.5731				11.0		30.0			
Chloromethane	+++++ 0.2900	+++++ 0.2812	0.4369 0.2561	0.3119	0.3381	Ave		0.3190				20.0		30.0			
n-Butane	+++++ 0.4196	+++++ 0.4098	0.5821 0.3742	0.4887	0.4856	Ave		0.4600				16.0		30.0			
Vinyl chloride	0.5163 0.4235	0.4561 0.4192	0.5502 0.3851	0.4355	0.4879	Ave		0.4592				12.0		30.0			
1,3-Butadiene	+++++ 0.2765	0.3150 0.2690	0.3441 0.2480	0.2832	0.3280	Ave		0.2948				12.0		30.0			
Bromomethane	+++++ 0.6187	0.7338 0.6243	0.7566 0.5917	0.5967	0.6978	Ave		0.6599				10.0		30.0			
Chloroethane	+++++ 0.2006	+++++ 0.1999	0.2620 0.1837	0.2037	0.2345	Ave		0.2141				13.0		30.0			
Isopentane	+++++ 0.2706	0.3648 0.2611	0.3735 0.2443	0.2926	0.3199	Ave		0.3038				17.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.7920	0.8310 0.8016	0.8793 0.7588	0.7087	0.8635	Ave		0.8050				7.4		30.0			
Trichlorofluoromethane	+++++ 1.9970	2.1444 2.0302	2.2861 1.9279	1.8322	2.2005	Ave		2.0598				7.7		30.0			
n-Pentane	+++++ 0.4648	+++++ 0.4582	0.6257 0.4205	0.5278	0.5552	Ave		0.5087				15.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23031-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.1179	+++++ 0.1147	0.1610 0.0982	0.1540	0.1306	Ave		0.1294				19.0		30.0			
Ethyl ether	+++++ 0.2664	0.2911 0.2636	0.3425 0.2418	0.2716	0.3094	Ave		0.2838				12.0		30.0			
Acrolein	+++++ 0.1086	+++++ 0.1139	+++++ 0.0942	0.1148	0.1436	Ave		0.1150				16.0		30.0			
Freon TF	+++++ 1.3779	1.4610 1.3925	1.5756 1.2956	1.2882	1.5374	Ave		1.4183				7.9		30.0			
1,1-Dichloroethene	+++++ 0.6570	0.7148 0.6609	0.7697 0.6182	0.6087	0.7424	Ave		0.6817				9.1		30.0			
Acetone	+++++ 0.5235	+++++ 0.5160	+++++ 0.4255	0.6829	0.5460	Ave		0.5388				17.0		30.0			
Carbon disulfide	+++++ 1.4208	+++++ 1.4144	2.2983 1.3274	1.3899	1.6304	Ave		1.5802				23.0		30.0			
Isopropyl alcohol	+++++ 0.4180	+++++ 0.4055	+++++ 0.3581	0.4474	0.4431	Ave		0.4144				8.7		30.0			
3-Chloropropene	+++++ 0.3568	0.4295 0.3516	0.4664 0.3316	0.3637	0.4195	Ave		0.3884				13.0		30.0			
Acetonitrile	+++++ 0.1860	+++++ 0.1813	+++++ 0.1683	0.2004	0.2019	Ave		0.1876				7.5		30.0			
Methylene Chloride	+++++ 0.3713	+++++ 0.3634	0.5832 0.3352	0.4045	0.4353	Ave		0.4155				21.0		30.0			
tert-Butyl alcohol	+++++ 0.7982	+++++ 0.7888	+++++ 0.7189	0.7914	0.8483	Ave		0.7891				5.8		30.0			
Methyl tert-butyl ether	+++++ 1.5250	1.6069 1.5300	1.7403 1.4441	1.4442	1.7075	Ave		1.5712				7.6		30.0			
trans-1,2-Dichloroethene	+++++ 0.6237	0.7081 0.6121	0.7797 0.5629	0.6343	0.7195	Ave		0.6629				11.0		30.0			
Acrylonitrile	+++++ 0.2465	+++++ 0.2444	0.2851 0.2286	0.2452	0.2841	Ave		0.2556				9.1		30.0			
n-Hexane	+++++ 0.5629	0.6449 0.5521	0.6899 0.5121	0.5861	0.6479	Ave		0.5994				11.0		30.0			
1,1-Dichloroethane	0.9612 0.8750	0.9577 0.8715	1.0955 0.8094	0.8740	1.0055	Ave		0.9312				9.9		30.0			
Vinyl acetate	+++++ 0.8657	+++++ 0.8493	+++++ 0.8016	0.8649	1.0061	Ave		0.8775				8.7		30.0			
cis-1,2-Dichloroethene	+++++ 0.8836	0.8730 0.9029	0.9921 0.8446	0.7883	0.9685	Ave		0.8933				7.8		30.0			
Methyl Ethyl Ketone	+++++ 0.3099	+++++ 0.3086	0.5248 0.2769	0.3066	0.3345	Ave		0.3435				26.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23031-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0626	+++++ 0.0633	+++++ 0.0589	0.0539	0.0673	Ave		0.0612				8.2		30.0			
Tetrahydrofuran	+++++ 0.0741	+++++ 0.0689	+++++ 0.0633	0.0819	0.0897	Ave		0.0756				14.0		30.0			
Chloroform	+++++ 1.6610	1.6881 1.6801	1.9076 1.5819	1.5434	1.8399	Ave		1.7003				7.7		30.0			
Cyclohexane	+++++ 0.1922	0.1995 0.1881	0.2226 0.1742	0.1816	0.2198	Ave		0.1969				9.4		30.0			
1,1,1-Trichloroethane	+++++ 0.3451	0.3596 0.3434	0.3872 0.3282	0.3144	0.3862	Ave		0.3520				7.8		30.0			
Carbon tetrachloride	0.3822 0.3948	0.3738 0.3878	0.4116 0.3875	0.3407	0.4295	Ave		0.3885				6.7		30.0			
2,2,4-Trimethylpentane	+++++ 0.5345	0.6245 0.5002	0.6799 0.4440	0.5646	0.6485	Ave		0.5709				15.0		30.0			
Benzene	+++++ 0.4548	0.5165 0.4400	0.5646 0.3983	0.4372	0.5245	Ave		0.4766				12.0		30.0			
1,2-Dichloroethane	+++++ 0.1840	0.2025 0.1778	0.2269 0.1659	0.1844	0.2159	Ave		0.1939				11.0		30.0			
n-Heptane	+++++ 0.1691	0.2141 0.1560	0.2281 0.1360	0.1919	0.2100	Ave		0.1864				18.0		30.0			
n-Butanol	+++++ 0.0778	+++++ 0.0686	+++++ 0.0583	0.0790	0.0836	Ave		0.0735				14.0		30.0			
Trichloroethene	0.3082 0.2647	0.2532 0.2665	0.2891 0.2506	0.2278	0.2855	Ave		0.2682				9.5		30.0			
1,2-Dichloropropane	+++++ 0.1912	0.2061 0.1825	0.2351 0.1637	0.1869	0.2220	Ave		0.1982				12.0		30.0			
Methyl methacrylate	+++++ 0.1943	+++++ 0.1890	0.1932 0.1733	0.1754	0.2200	Ave		0.1909				8.8		30.0			
1,4-Dioxane	+++++ 0.0996	+++++ 0.0957	+++++ 0.0777	0.0910	0.0982	Ave		0.0924				9.6		30.0			
Dibromomethane	+++++ 0.2810	0.2229 0.3099	0.2385 0.3170	0.1968	0.2736	Ave		0.2628				17.0		30.0			
Bromodichloromethane	+++++ 0.4330	0.4002 0.4323	0.4466 0.4071	0.3817	0.4802	Ave		0.4259				7.7		30.0			
cis-1,3-Dichloropropene	+++++ 0.3255	0.3014 0.3263	0.3293 0.3051	0.2837	0.3625	Ave		0.3191				7.9		30.0			
methyl isobutyl ketone	+++++ 0.2941	+++++ 0.2722	0.3577 0.2383	0.3110	0.3603	Ave		0.3056				16.0		30.0			
Toluene	+++++ 0.4556	0.4632 0.4735	0.6491 0.4288	0.4102	0.4890	Ave		0.4813				16.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23031-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.3117	0.3635 0.2822	0.4119 0.2360	0.3490	0.3913	Ave		0.3351				19.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.3363	0.3222 0.3357	0.3624 0.3154	0.2938	0.3746	Ave		0.3343				8.2		30.0			
1,1,2-Trichloroethane	+++++ 0.2220	0.2285 0.2245	0.2500 0.2014	0.2104	0.2445	Ave		0.2259				7.6		30.0			
Tetrachloroethene	+++++ 0.4243	0.3365 0.4755	0.3734 0.4617	0.3235	0.4161	Ave		0.4016				15.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2861	+++++ 0.2689	0.3706 0.2260	0.3202	0.3492	Ave		0.3035				18.0		30.0			
Dibromochloromethane	+++++ 0.5291	0.4070 0.5713	0.4595 0.5512	0.4282	0.5457	Ave		0.4988				13.0		30.0			
1,2-Dibromoethane	+++++ 0.4547	0.3951 0.4794	0.4391 0.4410	0.3918	0.4783	Ave		0.4399				8.1		30.0			
Chlorobenzene	+++++ 0.6859	0.6569 0.7348	0.7051 0.6860	0.5850	0.7139	Ave		0.6811				7.2		30.0			
Ethylbenzene	+++++ 1.0125	0.9823 1.0427	1.0860 0.9249	0.9339	1.1067	Ave		1.0127				7.0		30.0			
n-Nonane	+++++ 0.3673	0.3883 0.3463	0.4445 0.2825	0.4035	0.4410	Ave		0.3819				15.0		30.0			
m,p-Xylene	+++++ 0.4287	0.3831 0.4450	0.4396 0.3885	0.3802	0.4612	Ave		0.4180				8.0		30.0			
Xylene, o-	+++++ 0.4217	0.3715 0.4431	0.4201 0.4046	0.3705	0.4523	Ave		0.4120				7.8		30.0			
Styrene	+++++ 0.6679	0.4905 0.6725	0.5861 0.6466	0.5724	0.7164	Ave		0.6218				12.0		30.0			
Bromoform	+++++ 0.5558	0.3500 0.6058	0.4092 0.5688	0.4162	0.5624	Ave		0.4955				20.0		30.0			
Cumene	+++++ 1.2105	1.0216 1.2612	1.1532 0.9578	1.0634	1.3015	Ave		1.1385				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5871	0.6030 0.5799	0.6680 0.4688	0.5782	0.6696	Ave		0.5935				11.0		30.0			
n-Propylbenzene	+++++ 1.4225	1.3059 1.4194	1.5062 0.9182	1.3256	1.5938	Ave		1.3559				16.0		30.0			
1,2,3-Trichloropropane	+++++ 0.4337	+++++ 0.4210	0.5369 0.3389	0.4482	0.5034	Ave		0.4470				15.0		30.0			
n-Decane	+++++ 0.4011	+++++ 0.3512	0.5404 0.2446	0.5321	0.5318	Ave		0.4336				28.0		30.0			
4-Ethyltoluene	+++++ 1.1874	1.0389 1.1390	1.2083 0.8030	1.1079	1.3414	Ave		1.1180				15.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23031-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 0.9342	0.9438 0.8937	1.0905 0.6690	0.9384	1.0817	Ave		0.9359				15.0		30.0			
1,3,5-Trimethylbenzene	+++++ 0.9933	0.8690 1.0045	0.9963 0.8044	0.9160	1.1069	Ave		0.9558				10.0		30.0			
Alpha Methyl Styrene	+++++ 0.5304	0.3462 0.4078	0.4371 0.5145	0.4525	0.5859	Ave		0.4678				17.0		30.0			
tert-Butylbenzene	+++++ 0.9792	0.8340 1.0155	0.9448 0.8145	0.8776	1.0755	Ave		0.9344				10.0		30.0			
1,2,4-Trimethylbenzene	+++++ 0.9920	0.8439 1.0161	1.0090 0.7807	0.9414	1.1253	Ave		0.9584				12.0		30.0			
sec-Butylbenzene	+++++ 1.4446	1.2293 1.4298	1.4804 0.9032	1.3655	1.6448	Ave		1.3568				17.0		30.0			
4-Isopropyltoluene	+++++ 1.2468	0.9897 1.2917	1.1693 0.8185	1.1350	1.3857	Ave		1.1481				17.0		30.0			
1,3-Dichlorobenzene	+++++ 0.7606	0.5709 0.8027	0.6895 0.6597	0.6389	0.8217	Ave		0.7063				13.0		30.0			
1,4-Dichlorobenzene	+++++ 0.7576	0.5560 0.8128	0.6961 0.6779	0.6379	0.8186	Ave		0.7081				13.0		30.0			
Benzyl chloride	+++++ 0.7899	0.6421 0.8332	0.7277 0.6953	0.7577	1.0185	Ave		0.7806				16.0		30.0			
n-Butylbenzene	+++++ 1.0338	0.8598 1.0207	1.1320 0.7191	1.0847	1.1824	Ave		1.0047				16.0		30.0			
n-Undecane	+++++ 0.4559	+++++ 0.4010	+++++ 0.2740	0.5752	0.5788	Ave		0.4570				28.0		30.0			
1,2-Dichlorobenzene	+++++ 0.6951	0.5357 0.7609	0.6655 0.6806	0.6034	0.7574	Ave		0.6712				12.0		30.0			
n-Dodecane	+++++ 0.3958	+++++ 0.3630	+++++ 0.1445	0.4246	0.5112	Ave		0.3678				37.0	*	30.0			
1,2,4-Trichlorobenzene	+++++ 0.5406	+++++ 0.5977	0.2861 0.3597	0.3529	0.5681	Ave		0.4509				29.0		30.0			
Hexachlorobutadiene	+++++ 0.4238	0.2393 0.4287	0.3154 0.2362	0.3269	0.4491	Ave		0.3456				26.0		30.0			
Naphthalene	+++++ 1.1674	+++++ 1.2599	0.6703 0.8078	0.8534	1.4074	Ave		1.0277				28.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.4737	+++++ 0.5226	0.2533 0.2443	0.3367	0.5155	Ave		0.3910				33.0	*	30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23031-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-73607/3	8064_03.D
Level 2	IC 200-73607/4	8064_04.D
Level 3	IC 200-73607/5	8064_05.D
Level 4	IC 200-73607/6	8064_06.D
Level 5	ICIS 200-73607/7	8064_07.D
Level 6	IC 200-73607/8	8064_08.D
Level 7	IC 200-73607/9	8064_09.D
Level 8	IC 200-73607/10	8064_10.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 314862	+++++ 416503	14175 789546	97356	230126	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2756672	+++++ 3736723	95502 7251967	728807	1957000	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 920927	+++++ 1229779	37399 2318691	266574	681134	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2426588	32307 3264145	86181 6150219	650346	1746766	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 471843	+++++ 618911	20379 1174195	137301	346274	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 682680	+++++ 902188	27154 1715590	215149	497352	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2112 688909	8847 922819	25663 1765720	191705	499712	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 449809	6111 592174	16051 1137233	124671	335974	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 1006491	14234 1374212	35293 2712702	262670	714668	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 326424	+++++ 440105	12219 842109	89660	240142	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 440169	7076 574829	17424 1120146	128792	327605	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 1288531	16120 1764551	41013 3479301	311966	884388	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 3248843	41597 4469118	106636 8839360	806585	2253739	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 756105	+++++ 1008591	29185 1927823	232364	568584	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 256332	+++++ 504976	75208 1125254	135695	200717	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23031-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 433479	5647 580215	15976 1108472	119553	316866	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 176714	+++++ 250779	+++++ 431864	50533	147033	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 2241647	28341 3065326	73492 5940201	567113	1574597	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 1068861	13865 1454934	35903 2834334	267962	760383	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 851610	+++++ 1135835	+++++ 1951109	300609	559236	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2311476	+++++ 3113650	107206 6086150	611852	1669832	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 680034	+++++ 892746	+++++ 1641659	196942	453862	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 580401	8332 773924	21757 1520247	160124	429598	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 302573	+++++ 399069	+++++ 771528	88209	206736	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 604007	+++++ 799902	27203 1536727	178066	445825	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1298552	+++++ 1736467	+++++ 3296307	348410	868834	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 2481074	31171 3368124	81178 6620994	635784	1748821	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1014713	13735 1347377	36368 2580996	279217	736942	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 401028	+++++ 537964	13298 1048197	107922	290982	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 915703	12510 1215437	32182 2348105	257994	663548	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	3932 1423491	18578 1918521	51099 3710860	384746	1029776	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1408374	+++++ 1869487	+++++ 3675234	380749	1030414	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1437462	16935 1987488	46276 3872551	347046	991925	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 504189	+++++ 679241	24478 1269654	134955	342598	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 101846	+++++ 139296	+++++ 269969	23748	68947	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 668769	+++++ 870497	+++++ 1656888	194265	493442	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23031-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2702279	32746 3698509	88981 7253104	679439	1884344	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1734823	20508 2375489	55328 4562355	430987	1208453	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 3114238	36962 4337555	96259 8597908	746076	2123388	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	8563 3562830	38419 4897748	102302 10149781	808383	2361630	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 4823899	64196 6317555	169005 11631523	1339565	3565281	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 4104630	53093 5557328	140335 10433657	1037287	2883949	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1660429	20814 2245094	56392 4345425	437520	1186837	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 1525906	22011 1969800	56692 3561354	455424	1154364	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 702248	+++++ 866381	+++++ 1527771	187503	459748	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	6905 2389263	26028 3366107	71851 6563739	540561	1569610	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1725862	21190 2305194	58438 4287256	443458	1220445	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1753531	+++++ 2387288	48017 4539793	416227	1209561	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 899312	+++++ 1208854	+++++ 2034612	215858	539924	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 2535560	22916 3913607	59275 8304076	467000	1504014	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 3907430	41139 5459579	111018 10663495	905744	2640216	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2937756	30986 4121706	81855 7991036	673136	1993263	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2653882	+++++ 3438516	88905 6241062	737861	1980977	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 4106946	44104 5868793	149941 11454270	899444	2685137	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 2813123	37365 3564800	102378 6181676	828017	2151509	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 3035089	33117 4239372	90078 8261929	697171	2059461	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 2000979	21757 2783149	57758 5380596	461393	1342455	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23031-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	+++++ 3824877	32042 5893926	86251 12331018	709274	2285156	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2579251	+++++ 3333278	85597 6037639	702152	1917728	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 4769008	38750 7081708	106133 14721317	938908	2996904	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 4098672	37618 5942650	101428 11778235	859197	2626527	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 6182322	62551 9107438	162872 18322415	1282763	3920475	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 9126102	93530 12924159	250855 24704495	2047694	6077416	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 3310933	36978 4292243	102685 7546472	884841	2421816	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 7728379	72959 11031121	203072 20753527	1667350	5065661	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 3800915	35374 5492096	97030 10806135	812385	2483757	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 6020435	46709 8335526	135373 17269584	1255118	3934197	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 5009969	33327 7508876	94530 15193243	912545	3088157	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 10911148	97275 15632469	266380 25583915	2331670	7147037	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 5291601	57414 7187725	154294 12521707	1267761	3677130	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 12821759	124344 17593589	347902 24525747	2906706	8752054	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 3908912	+++++ 5218341	124012 9050737	982789	2764677	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 3615231	+++++ 4353752	124826 6533958	1166837	2920601	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 10703175	98923 14117683	279106 21446694	2429353	7366214	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 8420845	89870 11078148	251901 17869320	2057559	5940349	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 8953321	82750 12450884	230127 21484699	2008543	6078352	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 4781178	32964 5054691	100962 13740940	992094	3217434	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 8826274	79409 12587384	218229 21755143	1924326	5905913	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23031-1 Analy Batch No.: 73607

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2014 01:34 Calibration End Date: 06/15/2014 07:03 Calibration ID: 27122

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 8941995	80353 12594542	233073 20852801	2064286	6179761	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 13021034	117056 17722532	341962 24124018	2994204	9032174	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 11237815	94242 16010694	270097 21862481	2488817	7609692	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 6855417	54363 9949997	159260 17621316	1400925	4512180	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 6828619	52943 10074566	160782 18105947	1398725	4495555	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 7119689	61138 10328208	168100 18571599	1661314	5593187	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 9317991	81872 12651628	261488 19206866	2378513	6493325	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 4109355	+++++ 4970617	+++++ 7318609	1261229	3178357	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 6265108	51005 9432040	153726 18179106	1323040	4159449	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 3567567	+++++ 4499840	+++++ 3860654	931011	2807156	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 4872753	+++++ 7408808	66093 9607063	773753	3119866	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 3819684	22785 5314283	72862 6308263	716713	2466297	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 10522518	+++++ 15616530	154841 21575408	1871153	7728785	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 4269942	+++++ 6478220	58504 6525061	738317	2830923	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Lab Sample ID: ICV 200-73607/14 Calibration Date: 06/15/2014 10:11

Instrument ID: CHC.i Calib Start Date: 06/15/2014 01:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 07:03

Lab File ID: 8064_14.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2174	0.1887		8.68	10.0	-13.2	30.0
Dichlorodifluoromethane	Ave	1.765	1.715		9.72	10.0	-2.8	30.0
Freon 22	Ave	0.6171	0.5687		9.21	10.0	-7.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.573	1.713		10.9	10.0	8.9	30.0
Chloromethane	Ave	0.3190	0.2870		8.99	10.0	-10.0	30.0
n-Butane	Ave	0.4600	0.4233		9.20	10.0	-8.0	30.0
Vinyl chloride	Ave	0.4592	0.4253		9.26	10.0	-7.4	30.0
1,3-Butadiene	Ave	0.2948	0.2714		9.20	10.0	-7.9	30.0
Bromomethane	Ave	0.6599	0.6440		9.76	10.0	-2.4	30.0
Chloroethane	Ave	0.2141	0.2020		9.44	10.0	-5.6	30.0
Isopentane	Ave	0.3038	0.2981		9.81	10.0	-1.9	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8050	0.8170		10.1	10.0	1.5	30.0
Trichlorofluoromethane	Ave	2.060	2.063		10.0	10.0	0.1	30.0
n-Pentane	Ave	0.5087	0.5242		10.3	10.0	3.1	30.0
Ethanol	Ave	0.1294	0.1160		13.4	15.0	-10.4	30.0
Ethyl ether	Ave	0.2838	0.3034		10.7	10.0	6.9	30.0
Acrolein	Ave	0.1150	0.1282		11.1	10.0	11.5	30.0
Freon TF	Ave	1.418	1.454		10.3	10.0	2.5	30.0
1,1-Dichloroethene	Ave	0.6817	0.6814		9.99	10.0	-0.0	30.0
Acetone	Ave	0.5388	0.5835		10.8	10.0	8.3	30.0
Carbon disulfide	Ave	1.580	1.693		10.7	10.0	7.1	30.0
Isopropyl alcohol	Ave	0.4144	0.3814		9.20	10.0	-8.0	30.0
3-Chloropropene	Ave	0.3884	0.3489		8.98	10.0	-10.2	30.0
Acetonitrile	Ave	0.1876	0.2027		10.8	10.0	8.1	30.0
Methylene Chloride	Ave	0.4155	0.3780		9.10	10.0	-9.0	30.0
tert-Butyl alcohol	Ave	0.7891	0.7655		9.70	10.0	-3.0	30.0
Methyl tert-butyl ether	Ave	1.571	1.588		10.1	10.0	1.0	30.0
trans-1,2-Dichloroethene	Ave	0.6629	0.6793		10.2	10.0	2.5	30.0
Acrylonitrile	Ave	0.2556	0.2622		10.3	10.0	2.6	30.0
n-Hexane	Ave	0.5994	0.6167		10.3	10.0	2.9	30.0
1,1-Dichloroethane	Ave	0.9312	0.9120		9.79	10.0	-2.1	30.0
Vinyl acetate	Ave	0.8775	0.8461		9.64	10.0	-3.6	30.0
cis-1,2-Dichloroethene	Ave	0.8933	0.9193		10.3	10.0	2.9	30.0
Methyl Ethyl Ketone	Ave	0.3435	0.3211		9.35	10.0	-6.5	30.0
Ethyl acetate	Ave	0.0612	0.0696		11.4	10.0	13.7	30.0
Tetrahydrofuran	Ave	0.0756	0.0737		9.76	10.0	-2.4	30.0
Chloroform	Ave	1.700	1.762		10.4	10.0	3.6	30.0
Cyclohexane	Ave	0.1969	0.1990		10.1	10.0	1.1	30.0
1,1,1-Trichloroethane	Ave	0.3520	0.3589		10.2	10.0	2.0	30.0
Carbon tetrachloride	Ave	0.3885	0.4139		10.7	10.0	6.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Lab Sample ID: ICV 200-73607/14 Calibration Date: 06/15/2014 10:11

Instrument ID: CHC.i Calib Start Date: 06/15/2014 01:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 07:03

Lab File ID: 8064_14.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.5709	0.5261		9.21	10.0	-7.8	30.0
Benzene	Ave	0.4766	0.4643		9.74	10.0	-2.6	30.0
1,2-Dichloroethane	Ave	0.1939	0.1872		9.65	10.0	-3.5	30.0
n-Heptane	Ave	0.1864	0.1648		8.84	10.0	-11.6	30.0
n-Butanol	Ave	0.0735	0.0738		10.0	10.0	0.4	30.0
Trichloroethene	Ave	0.2682	0.2839		10.6	10.0	5.8	30.0
1,2-Dichloropropane	Ave	0.1982	0.1894		9.55	10.0	-4.4	30.0
Methyl methacrylate	Ave	0.1909	0.2025		10.6	10.0	6.1	30.0
1,4-Dioxane	Ave	0.0924	0.0986		10.7	10.0	6.7	30.0
Dibromomethane	Ave	0.2628	0.3170		12.1	10.0	20.6	30.0
Bromodichloromethane	Ave	0.4259	0.4450		10.4	10.0	4.5	30.0
cis-1,3-Dichloropropene	Ave	0.3191	0.3408		10.7	10.0	6.8	30.0
methyl isobutyl ketone	Ave	0.3056	0.2823		9.24	10.0	-7.6	30.0
Toluene	Ave	0.4813	0.4844		10.1	10.0	0.6	30.0
n-Octane	Ave	0.3351	0.3063		9.14	10.0	-8.6	30.0
trans-1,3-Dichloropropene	Ave	0.3343	0.3480		10.4	10.0	4.1	30.0
1,1,2-Trichloroethane	Ave	0.2259	0.2308		10.2	10.0	2.2	30.0
Tetrachloroethene	Ave	0.4016	0.4699		11.7	10.0	17.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3035	0.2721		8.96	10.0	-10.4	30.0
Dibromochloromethane	Ave	0.4988	0.5488		11.0	10.0	10.0	30.0
1,2-Dibromoethane	Ave	0.4399	0.4856		11.0	10.0	10.4	30.0
Chlorobenzene	Ave	0.6811	0.7348		10.8	10.0	7.9	30.0
Ethylbenzene	Ave	1.013	1.051		10.4	10.0	3.8	30.0
n-Nonane	Ave	0.3819	0.3643		9.54	10.0	-4.6	30.0
m,p-Xylene	Ave	0.4180	0.4484		21.4	20.0	7.3	30.0
Xylene, o-	Ave	0.4120	0.4391		10.7	10.0	6.6	30.0
Styrene	Ave	0.6218	0.6863		11.0	10.0	10.4	30.0
Bromoform	Ave	0.4955	0.5791		11.7	10.0	16.9	30.0
Cumene	Ave	1.138	1.236		10.9	10.0	8.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5935	0.6132		10.3	10.0	3.3	30.0
n-Propylbenzene	Ave	1.356	1.436		10.6	10.0	5.9	30.0
1,2,3-Trichloropropane	Ave	0.4470	0.4341		9.71	10.0	-2.9	30.0
n-Decane	Ave	0.4336	0.4188		9.66	10.0	-3.4	30.0
4-Ethyltoluene	Ave	1.118	1.253		11.2	10.0	12.1	30.0
2-Chlorotoluene	Ave	0.9359	0.9532		10.2	10.0	1.9	30.0
1,3,5-Trimethylbenzene	Ave	0.9558	1.039		10.9	10.0	8.7	30.0
Alpha Methyl Styrene	Ave	0.4678	0.5275		11.3	10.0	12.8	30.0
tert-Butylbenzene	Ave	0.9344	1.038		11.1	10.0	11.0	30.0
1,2,4-Trimethylbenzene	Ave	0.9584	1.041		10.9	10.0	8.6	30.0
sec-Butylbenzene	Ave	1.357	1.521		11.2	10.0	12.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Lab Sample ID: ICV 200-73607/14 Calibration Date: 06/15/2014 10:11

Instrument ID: CHC.i Calib Start Date: 06/15/2014 01:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 07:03

Lab File ID: 8064_14.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.148	1.312		11.4	10.0	14.3	30.0
1,3-Dichlorobenzene	Ave	0.7063	0.8154		11.5	10.0	15.4	30.0
1,4-Dichlorobenzene	Ave	0.7081	0.8162		11.5	10.0	15.3	30.0
Benzyl chloride	Ave	0.7806	0.7924		10.1	10.0	1.5	30.0
n-Butylbenzene	Ave	1.005	1.032		10.3	10.0	2.7	30.0
n-Undecane	Ave	0.4570	0.4603		10.1	10.0	0.7	30.0
1,2-Dichlorobenzene	Ave	0.6712	0.7542		11.2	10.0	12.4	30.0
n-Dodecane	Ave	0.3678	0.3894		10.6	10.0	5.9	30.0
1,2,4-Trichlorobenzene	Ave	0.4509	0.4971		11.0	10.0	10.3	30.0
Hexachlorobutadiene	Ave	0.3456	0.4449		12.9	10.0	28.7	30.0
Naphthalene	Ave	1.028	0.8683		8.45	10.0	-15.5	30.0
1,2,3-Trichlorobenzene	Ave	0.3910	0.4273		10.9	10.0	9.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Lab Sample ID: CCVIS 200-74455/2 Calibration Date: 07/02/2014 09:33

Instrument ID: CHC.i Calib Start Date: 06/15/2014 01:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 07:03

Lab File ID: 8375_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2174	0.2935		13.5	10.0	35.0*	30.0
Dichlorodifluoromethane	Ave	1.765	2.300		13.0	10.0	30.3*	30.0
Freon 22	Ave	0.6171	0.8261		13.4	10.0	33.9*	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.573	1.972		12.5	10.0	25.3	30.0
Chloromethane	Ave	0.3190	0.4111		12.9	10.0	28.8	30.0
n-Butane	Ave	0.4600	0.5965		13.0	10.0	29.7	30.0
Vinyl chloride	Ave	0.4592	0.5716		12.4	10.0	24.5	30.0
1,3-Butadiene	Ave	0.2948	0.3856		13.1	10.0	30.8*	30.0
Bromomethane	Ave	0.6599	0.7878		11.9	10.0	19.4	30.0
Chloroethane	Ave	0.2141	0.2697		12.6	10.0	26.0	30.0
Isopentane	Ave	0.3038	0.3818		12.6	10.0	25.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8050	0.9449		11.7	10.0	17.4	30.0
Trichlorofluoromethane	Ave	2.060	2.476		12.0	10.0	20.2	30.0
n-Pentane	Ave	0.5087	0.6410		12.6	10.0	26.0	30.0
Ethanol	Ave	0.1294	0.1444		16.7	15.0	11.6	30.0
Ethyl ether	Ave	0.2838	0.3512		12.4	10.0	23.7	30.0
Acrolein	Ave	0.1150	0.1547		13.4	10.0	34.5*	30.0
Freon TF	Ave	1.418	1.641		11.6	10.0	15.7	30.0
1,1-Dichloroethene	Ave	0.6817	0.7874		11.5	10.0	15.5	30.0
Acetone	Ave	0.5388	0.6879		12.8	10.0	27.7	30.0
Carbon disulfide	Ave	1.580	1.784		11.3	10.0	12.9	30.0
Isopropyl alcohol	Ave	0.4144	0.4906		11.8	10.0	18.4	30.0
3-Chloropropene	Ave	0.3884	0.4897		12.6	10.0	26.1	30.0
Acetonitrile	Ave	0.1876	0.2391		12.7	10.0	27.5	30.0
Methylene Chloride	Ave	0.4155	0.4924		11.8	10.0	18.5	30.0
tert-Butyl alcohol	Ave	0.7891	0.9136		11.6	10.0	15.8	30.0
Methyl tert-butyl ether	Ave	1.571	1.869		11.9	10.0	19.0	30.0
trans-1,2-Dichloroethene	Ave	0.6629	0.7944		12.0	10.0	19.8	30.0
Acrylonitrile	Ave	0.2556	0.3123		12.2	10.0	22.2	30.0
n-Hexane	Ave	0.5994	0.7085		11.8	10.0	18.2	30.0
1,1-Dichloroethane	Ave	0.9312	1.096		11.8	10.0	17.7	30.0
Vinyl acetate	Ave	0.8775	0.8771		9.99	10.0	-0.0	30.0
cis-1,2-Dichloroethene	Ave	0.8933	1.009		11.3	10.0	13.0	30.0
Methyl Ethyl Ketone	Ave	0.3435	0.3554		10.3	10.0	3.4	30.0
Ethyl acetate	Ave	0.0612	0.0718		11.7	10.0	17.2	30.0
Tetrahydrofuran	Ave	0.0756	0.0970		12.8	10.0	28.4	30.0
Chloroform	Ave	1.700	2.001		11.8	10.0	17.7	30.0
Cyclohexane	Ave	0.1969	0.2286		11.6	10.0	16.1	30.0
1,1,1-Trichloroethane	Ave	0.3520	0.4297		12.2	10.0	22.0	30.0
Carbon tetrachloride	Ave	0.3885	0.4727		12.2	10.0	21.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Lab Sample ID: CCVIS 200-74455/2 Calibration Date: 07/02/2014 09:33

Instrument ID: CHC.i Calib Start Date: 06/15/2014 01:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 07:03

Lab File ID: 8375_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.5709	0.6624		11.6	10.0	16.0	30.0
Benzene	Ave	0.4766	0.5439		11.4	10.0	14.1	30.0
1,2-Dichloroethane	Ave	0.1939	0.2415		12.5	10.0	24.6	30.0
n-Heptane	Ave	0.1864	0.2179		11.7	10.0	16.9	30.0
n-Butanol	Ave	0.0735	0.0756		10.3	10.0	2.9	30.0
Trichloroethene	Ave	0.2682	0.3200		11.9	10.0	19.3	30.0
1,2-Dichloropropane	Ave	0.1982	0.2318		11.7	10.0	16.9	30.0
Methyl methacrylate	Ave	0.1909	0.2293		12.0	10.0	20.1	30.0
1,4-Dioxane	Ave	0.0924	0.1066		11.5	10.0	15.3	30.0
Dibromomethane	Ave	0.2628	0.3464		13.2	10.0	31.8*	30.0
Bromodichloromethane	Ave	0.4259	0.5437		12.8	10.0	27.7	30.0
cis-1,3-Dichloropropene	Ave	0.3191	0.3952		12.4	10.0	23.9	30.0
methyl isobutyl ketone	Ave	0.3056	0.3639		11.9	10.0	19.1	30.0
Toluene	Ave	0.4813	0.5448		11.3	10.0	13.2	30.0
n-Octane	Ave	0.3351	0.3956		11.8	10.0	18.0	30.0
trans-1,3-Dichloropropene	Ave	0.3343	0.4134		12.4	10.0	23.7	30.0
1,1,2-Trichloroethane	Ave	0.2259	0.2695		11.9	10.0	19.3	30.0
Tetrachloroethene	Ave	0.4016	0.5143		12.8	10.0	28.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3035	0.3542		11.7	10.0	16.7	30.0
Dibromochloromethane	Ave	0.4988	0.6346		12.7	10.0	27.2	30.0
1,2-Dibromoethane	Ave	0.4399	0.5482		12.5	10.0	24.6	30.0
Chlorobenzene	Ave	0.6811	0.8052		11.8	10.0	18.2	30.0
Ethylbenzene	Ave	1.013	1.209		11.9	10.0	19.4	30.0
n-Nonane	Ave	0.3819	0.4531		11.9	10.0	18.6	30.0
m,p-Xylene	Ave	0.4180	0.5068		24.2	20.0	21.2	30.0
Xylene, o-	Ave	0.4120	0.4993		12.1	10.0	21.2	30.0
Styrene	Ave	0.6218	0.7815		12.6	10.0	25.7	30.0
Bromoform	Ave	0.4955	0.6664		13.4	10.0	34.5*	30.0
Cumene	Ave	1.138	1.428		12.5	10.0	25.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5935	0.7203		12.1	10.0	21.4	30.0
n-Propylbenzene	Ave	1.356	1.708		12.6	10.0	26.0	30.0
1,2,3-Trichloropropane	Ave	0.4470	0.5397		12.1	10.0	20.7	30.0
n-Decane	Ave	0.4336	0.5534		12.8	10.0	27.6	30.0
4-Ethyltoluene	Ave	1.118	1.432		12.8	10.0	28.1	30.0
2-Chlorotoluene	Ave	0.9359	1.160		12.4	10.0	23.9	30.0
1,3,5-Trimethylbenzene	Ave	0.9558	1.209		12.6	10.0	26.5	30.0
Alpha Methyl Styrene	Ave	0.4678	0.6238		13.3	10.0	33.3*	30.0
tert-Butylbenzene	Ave	0.9344	1.181		12.6	10.0	26.4	30.0
1,2,4-Trimethylbenzene	Ave	0.9584	1.228		12.8	10.0	28.2	30.0
sec-Butylbenzene	Ave	1.357	1.784		13.1	10.0	31.5*	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Lab Sample ID: CCVIS 200-74455/2 Calibration Date: 07/02/2014 09:33

Instrument ID: CHC.i Calib Start Date: 06/15/2014 01:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 07:03

Lab File ID: 8375_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.148	1.520		13.2	10.0	32.4*	30.0
1,3-Dichlorobenzene	Ave	0.7063	0.9357		13.2	10.0	32.5*	30.0
1,4-Dichlorobenzene	Ave	0.7081	0.9440		13.3	10.0	33.3*	30.0
Benzyl chloride	Ave	0.7806	1.087		13.9	10.0	39.2*	30.0
n-Butylbenzene	Ave	1.005	1.290		12.8	10.0	28.4	30.0
n-Undecane	Ave	0.4570	0.5684		12.4	10.0	24.4	30.0
1,2-Dichlorobenzene	Ave	0.6712	0.8798		13.1	10.0	31.1*	30.0
n-Dodecane	Ave	0.3678	0.4008		10.9	10.0	9.0	30.0
1,2,4-Trichlorobenzene	Ave	0.4509	0.6314		14.0	10.0	40.0*	30.0
Hexachlorobutadiene	Ave	0.3456	0.4442		12.9	10.0	28.5	30.0
Naphthalene	Ave	1.028	1.448		14.1	10.0	40.9*	30.0
1,2,3-Trichlorobenzene	Ave	0.3910	0.5534		14.2	10.0	41.5*	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Lab Sample ID: ICV 200-73607/14 Calibration Date: 06/15/2014 10:11

Instrument ID: CHC.i Calib Start Date: 06/15/2014 01:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 07:03

Lab File ID: 8064_14.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2174	0.1887		8.68	10.0	-13.2	30.0
Dichlorodifluoromethane	Ave	1.765	1.715		9.72	10.0	-2.8	30.0
Freon 22	Ave	0.6171	0.5687		9.21	10.0	-7.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.573	1.713		10.9	10.0	8.9	30.0
Chloromethane	Ave	0.3190	0.2870		8.99	10.0	-10.0	30.0
n-Butane	Ave	0.4600	0.4233		9.20	10.0	-8.0	30.0
Vinyl chloride	Ave	0.4592	0.4253		9.26	10.0	-7.4	30.0
1,3-Butadiene	Ave	0.2948	0.2714		9.20	10.0	-7.9	30.0
Bromomethane	Ave	0.6599	0.6440		9.76	10.0	-2.4	30.0
Chloroethane	Ave	0.2141	0.2020		9.44	10.0	-5.6	30.0
Isopentane	Ave	0.3038	0.2981		9.81	10.0	-1.9	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8050	0.8170		10.1	10.0	1.5	30.0
Trichlorofluoromethane	Ave	2.060	2.063		10.0	10.0	0.1	30.0
n-Pentane	Ave	0.5087	0.5242		10.3	10.0	3.1	30.0
Ethanol	Ave	0.1294	0.1160		13.4	15.0	-10.4	30.0
Ethyl ether	Ave	0.2838	0.3034		10.7	10.0	6.9	30.0
Acrolein	Ave	0.1150	0.1282		11.1	10.0	11.5	30.0
Freon TF	Ave	1.418	1.454		10.3	10.0	2.5	30.0
1,1-Dichloroethene	Ave	0.6817	0.6814		9.99	10.0	-0.0	30.0
Acetone	Ave	0.5388	0.5835		10.8	10.0	8.3	30.0
Carbon disulfide	Ave	1.580	1.693		10.7	10.0	7.1	30.0
Isopropyl alcohol	Ave	0.4144	0.3814		9.20	10.0	-8.0	30.0
3-Chloropropene	Ave	0.3884	0.3489		8.98	10.0	-10.2	30.0
Acetonitrile	Ave	0.1876	0.2027		10.8	10.0	8.1	30.0
Methylene Chloride	Ave	0.4155	0.3780		9.10	10.0	-9.0	30.0
tert-Butyl alcohol	Ave	0.7891	0.7655		9.70	10.0	-3.0	30.0
Methyl tert-butyl ether	Ave	1.571	1.588		10.1	10.0	1.0	30.0
trans-1,2-Dichloroethene	Ave	0.6629	0.6793		10.2	10.0	2.5	30.0
Acrylonitrile	Ave	0.2556	0.2622		10.3	10.0	2.6	30.0
n-Hexane	Ave	0.5994	0.6167		10.3	10.0	2.9	30.0
1,1-Dichloroethane	Ave	0.9312	0.9120		9.79	10.0	-2.1	30.0
Vinyl acetate	Ave	0.8775	0.8461		9.64	10.0	-3.6	30.0
cis-1,2-Dichloroethene	Ave	0.8933	0.9193		10.3	10.0	2.9	30.0
Methyl Ethyl Ketone	Ave	0.3435	0.3211		9.35	10.0	-6.5	30.0
Ethyl acetate	Ave	0.0612	0.0696		11.4	10.0	13.7	30.0
Tetrahydrofuran	Ave	0.0756	0.0737		9.76	10.0	-2.4	30.0
Chloroform	Ave	1.700	1.762		10.4	10.0	3.6	30.0
Cyclohexane	Ave	0.1969	0.1990		10.1	10.0	1.1	30.0
1,1,1-Trichloroethane	Ave	0.3520	0.3589		10.2	10.0	2.0	30.0
Carbon tetrachloride	Ave	0.3885	0.4139		10.7	10.0	6.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Lab Sample ID: ICV 200-73607/14 Calibration Date: 06/15/2014 10:11

Instrument ID: CHC.i Calib Start Date: 06/15/2014 01:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 07:03

Lab File ID: 8064_14.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.5709	0.5261		9.21	10.0	-7.8	30.0
Benzene	Ave	0.4766	0.4643		9.74	10.0	-2.6	30.0
1,2-Dichloroethane	Ave	0.1939	0.1872		9.65	10.0	-3.5	30.0
n-Heptane	Ave	0.1864	0.1648		8.84	10.0	-11.6	30.0
n-Butanol	Ave	0.0735	0.0738		10.0	10.0	0.4	30.0
Trichloroethene	Ave	0.2682	0.2839		10.6	10.0	5.8	30.0
1,2-Dichloropropane	Ave	0.1982	0.1894		9.55	10.0	-4.4	30.0
Methyl methacrylate	Ave	0.1909	0.2025		10.6	10.0	6.1	30.0
1,4-Dioxane	Ave	0.0924	0.0986		10.7	10.0	6.7	30.0
Dibromomethane	Ave	0.2628	0.3170		12.1	10.0	20.6	30.0
Bromodichloromethane	Ave	0.4259	0.4450		10.4	10.0	4.5	30.0
cis-1,3-Dichloropropene	Ave	0.3191	0.3408		10.7	10.0	6.8	30.0
methyl isobutyl ketone	Ave	0.3056	0.2823		9.24	10.0	-7.6	30.0
Toluene	Ave	0.4813	0.4844		10.1	10.0	0.6	30.0
n-Octane	Ave	0.3351	0.3063		9.14	10.0	-8.6	30.0
trans-1,3-Dichloropropene	Ave	0.3343	0.3480		10.4	10.0	4.1	30.0
1,1,2-Trichloroethane	Ave	0.2259	0.2308		10.2	10.0	2.2	30.0
Tetrachloroethene	Ave	0.4016	0.4699		11.7	10.0	17.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3035	0.2721		8.96	10.0	-10.4	30.0
Dibromochloromethane	Ave	0.4988	0.5488		11.0	10.0	10.0	30.0
1,2-Dibromoethane	Ave	0.4399	0.4856		11.0	10.0	10.4	30.0
Chlorobenzene	Ave	0.6811	0.7348		10.8	10.0	7.9	30.0
Ethylbenzene	Ave	1.013	1.051		10.4	10.0	3.8	30.0
n-Nonane	Ave	0.3819	0.3643		9.54	10.0	-4.6	30.0
m,p-Xylene	Ave	0.4180	0.4484		21.4	20.0	7.3	30.0
Xylene, o-	Ave	0.4120	0.4391		10.7	10.0	6.6	30.0
Styrene	Ave	0.6218	0.6863		11.0	10.0	10.4	30.0
Bromoform	Ave	0.4955	0.5791		11.7	10.0	16.9	30.0
Cumene	Ave	1.138	1.236		10.9	10.0	8.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5935	0.6132		10.3	10.0	3.3	30.0
n-Propylbenzene	Ave	1.356	1.436		10.6	10.0	5.9	30.0
1,2,3-Trichloropropane	Ave	0.4470	0.4341		9.71	10.0	-2.9	30.0
n-Decane	Ave	0.4336	0.4188		9.66	10.0	-3.4	30.0
4-Ethyltoluene	Ave	1.118	1.253		11.2	10.0	12.1	30.0
2-Chlorotoluene	Ave	0.9359	0.9532		10.2	10.0	1.9	30.0
1,3,5-Trimethylbenzene	Ave	0.9558	1.039		10.9	10.0	8.7	30.0
Alpha Methyl Styrene	Ave	0.4678	0.5275		11.3	10.0	12.8	30.0
tert-Butylbenzene	Ave	0.9344	1.038		11.1	10.0	11.0	30.0
1,2,4-Trimethylbenzene	Ave	0.9584	1.041		10.9	10.0	8.6	30.0
sec-Butylbenzene	Ave	1.357	1.521		11.2	10.0	12.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Lab Sample ID: ICV 200-73607/14 Calibration Date: 06/15/2014 10:11

Instrument ID: CHC.i Calib Start Date: 06/15/2014 01:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 07:03

Lab File ID: 8064_14.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.148	1.312		11.4	10.0	14.3	30.0
1,3-Dichlorobenzene	Ave	0.7063	0.8154		11.5	10.0	15.4	30.0
1,4-Dichlorobenzene	Ave	0.7081	0.8162		11.5	10.0	15.3	30.0
Benzyl chloride	Ave	0.7806	0.7924		10.1	10.0	1.5	30.0
n-Butylbenzene	Ave	1.005	1.032		10.3	10.0	2.7	30.0
n-Undecane	Ave	0.4570	0.4603		10.1	10.0	0.7	30.0
1,2-Dichlorobenzene	Ave	0.6712	0.7542		11.2	10.0	12.4	30.0
n-Dodecane	Ave	0.3678	0.3894		10.6	10.0	5.9	30.0
1,2,4-Trichlorobenzene	Ave	0.4509	0.4971		11.0	10.0	10.3	30.0
Hexachlorobutadiene	Ave	0.3456	0.4449		12.9	10.0	28.7	30.0
Naphthalene	Ave	1.028	0.8683		8.45	10.0	-15.5	30.0
1,2,3-Trichlorobenzene	Ave	0.3910	0.4273		10.9	10.0	9.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Lab Sample ID: CCVIS 200-74455/2 Calibration Date: 07/02/2014 09:33

Instrument ID: CHC.i Calib Start Date: 06/15/2014 01:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 07:03

Lab File ID: 8375_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2174	0.2935		13.5	10.0	35.0*	30.0
Dichlorodifluoromethane	Ave	1.765	2.300		13.0	10.0	30.3*	30.0
Freon 22	Ave	0.6171	0.8261		13.4	10.0	33.9*	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.573	1.972		12.5	10.0	25.3	30.0
Chloromethane	Ave	0.3190	0.4111		12.9	10.0	28.8	30.0
n-Butane	Ave	0.4600	0.5965		13.0	10.0	29.7	30.0
Vinyl chloride	Ave	0.4592	0.5716		12.4	10.0	24.5	30.0
1,3-Butadiene	Ave	0.2948	0.3856		13.1	10.0	30.8*	30.0
Bromomethane	Ave	0.6599	0.7878		11.9	10.0	19.4	30.0
Chloroethane	Ave	0.2141	0.2697		12.6	10.0	26.0	30.0
Isopentane	Ave	0.3038	0.3818		12.6	10.0	25.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8050	0.9449		11.7	10.0	17.4	30.0
Trichlorofluoromethane	Ave	2.060	2.476		12.0	10.0	20.2	30.0
n-Pentane	Ave	0.5087	0.6410		12.6	10.0	26.0	30.0
Ethanol	Ave	0.1294	0.1444		16.7	15.0	11.6	30.0
Ethyl ether	Ave	0.2838	0.3512		12.4	10.0	23.7	30.0
Acrolein	Ave	0.1150	0.1547		13.4	10.0	34.5*	30.0
Freon TF	Ave	1.418	1.641		11.6	10.0	15.7	30.0
1,1-Dichloroethene	Ave	0.6817	0.7874		11.5	10.0	15.5	30.0
Acetone	Ave	0.5388	0.6879		12.8	10.0	27.7	30.0
Carbon disulfide	Ave	1.580	1.784		11.3	10.0	12.9	30.0
Isopropyl alcohol	Ave	0.4144	0.4906		11.8	10.0	18.4	30.0
3-Chloropropene	Ave	0.3884	0.4897		12.6	10.0	26.1	30.0
Acetonitrile	Ave	0.1876	0.2391		12.7	10.0	27.5	30.0
Methylene Chloride	Ave	0.4155	0.4924		11.8	10.0	18.5	30.0
tert-Butyl alcohol	Ave	0.7891	0.9136		11.6	10.0	15.8	30.0
Methyl tert-butyl ether	Ave	1.571	1.869		11.9	10.0	19.0	30.0
trans-1,2-Dichloroethene	Ave	0.6629	0.7944		12.0	10.0	19.8	30.0
Acrylonitrile	Ave	0.2556	0.3123		12.2	10.0	22.2	30.0
n-Hexane	Ave	0.5994	0.7085		11.8	10.0	18.2	30.0
1,1-Dichloroethane	Ave	0.9312	1.096		11.8	10.0	17.7	30.0
Vinyl acetate	Ave	0.8775	0.8771		9.99	10.0	-0.0	30.0
cis-1,2-Dichloroethene	Ave	0.8933	1.009		11.3	10.0	13.0	30.0
Methyl Ethyl Ketone	Ave	0.3435	0.3554		10.3	10.0	3.4	30.0
Ethyl acetate	Ave	0.0612	0.0718		11.7	10.0	17.2	30.0
Tetrahydrofuran	Ave	0.0756	0.0970		12.8	10.0	28.4	30.0
Chloroform	Ave	1.700	2.001		11.8	10.0	17.7	30.0
Cyclohexane	Ave	0.1969	0.2286		11.6	10.0	16.1	30.0
1,1,1-Trichloroethane	Ave	0.3520	0.4297		12.2	10.0	22.0	30.0
Carbon tetrachloride	Ave	0.3885	0.4727		12.2	10.0	21.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Lab Sample ID: CCVIS 200-74455/2 Calibration Date: 07/02/2014 09:33

Instrument ID: CHC.i Calib Start Date: 06/15/2014 01:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 07:03

Lab File ID: 8375_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.5709	0.6624		11.6	10.0	16.0	30.0
Benzene	Ave	0.4766	0.5439		11.4	10.0	14.1	30.0
1,2-Dichloroethane	Ave	0.1939	0.2415		12.5	10.0	24.6	30.0
n-Heptane	Ave	0.1864	0.2179		11.7	10.0	16.9	30.0
n-Butanol	Ave	0.0735	0.0756		10.3	10.0	2.9	30.0
Trichloroethene	Ave	0.2682	0.3200		11.9	10.0	19.3	30.0
1,2-Dichloropropane	Ave	0.1982	0.2318		11.7	10.0	16.9	30.0
Methyl methacrylate	Ave	0.1909	0.2293		12.0	10.0	20.1	30.0
1,4-Dioxane	Ave	0.0924	0.1066		11.5	10.0	15.3	30.0
Dibromomethane	Ave	0.2628	0.3464		13.2	10.0	31.8*	30.0
Bromodichloromethane	Ave	0.4259	0.5437		12.8	10.0	27.7	30.0
cis-1,3-Dichloropropene	Ave	0.3191	0.3952		12.4	10.0	23.9	30.0
methyl isobutyl ketone	Ave	0.3056	0.3639		11.9	10.0	19.1	30.0
Toluene	Ave	0.4813	0.5448		11.3	10.0	13.2	30.0
n-Octane	Ave	0.3351	0.3956		11.8	10.0	18.0	30.0
trans-1,3-Dichloropropene	Ave	0.3343	0.4134		12.4	10.0	23.7	30.0
1,1,2-Trichloroethane	Ave	0.2259	0.2695		11.9	10.0	19.3	30.0
Tetrachloroethene	Ave	0.4016	0.5143		12.8	10.0	28.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3035	0.3542		11.7	10.0	16.7	30.0
Dibromochloromethane	Ave	0.4988	0.6346		12.7	10.0	27.2	30.0
1,2-Dibromoethane	Ave	0.4399	0.5482		12.5	10.0	24.6	30.0
Chlorobenzene	Ave	0.6811	0.8052		11.8	10.0	18.2	30.0
Ethylbenzene	Ave	1.013	1.209		11.9	10.0	19.4	30.0
n-Nonane	Ave	0.3819	0.4531		11.9	10.0	18.6	30.0
m,p-Xylene	Ave	0.4180	0.5068		24.2	20.0	21.2	30.0
Xylene, o-	Ave	0.4120	0.4993		12.1	10.0	21.2	30.0
Styrene	Ave	0.6218	0.7815		12.6	10.0	25.7	30.0
Bromoform	Ave	0.4955	0.6664		13.4	10.0	34.5*	30.0
Cumene	Ave	1.138	1.428		12.5	10.0	25.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5935	0.7203		12.1	10.0	21.4	30.0
n-Propylbenzene	Ave	1.356	1.708		12.6	10.0	26.0	30.0
1,2,3-Trichloropropane	Ave	0.4470	0.5397		12.1	10.0	20.7	30.0
n-Decane	Ave	0.4336	0.5534		12.8	10.0	27.6	30.0
4-Ethyltoluene	Ave	1.118	1.432		12.8	10.0	28.1	30.0
2-Chlorotoluene	Ave	0.9359	1.160		12.4	10.0	23.9	30.0
1,3,5-Trimethylbenzene	Ave	0.9558	1.209		12.6	10.0	26.5	30.0
Alpha Methyl Styrene	Ave	0.4678	0.6238		13.3	10.0	33.3*	30.0
tert-Butylbenzene	Ave	0.9344	1.181		12.6	10.0	26.4	30.0
1,2,4-Trimethylbenzene	Ave	0.9584	1.228		12.8	10.0	28.2	30.0
sec-Butylbenzene	Ave	1.357	1.784		13.1	10.0	31.5*	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Lab Sample ID: CCVIS 200-74455/2 Calibration Date: 07/02/2014 09:33

Instrument ID: CHC.i Calib Start Date: 06/15/2014 01:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 07:03

Lab File ID: 8375_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.148	1.520		13.2	10.0	32.4*	30.0
1,3-Dichlorobenzene	Ave	0.7063	0.9357		13.2	10.0	32.5*	30.0
1,4-Dichlorobenzene	Ave	0.7081	0.9440		13.3	10.0	33.3*	30.0
Benzyl chloride	Ave	0.7806	1.087		13.9	10.0	39.2*	30.0
n-Butylbenzene	Ave	1.005	1.290		12.8	10.0	28.4	30.0
n-Undecane	Ave	0.4570	0.5684		12.4	10.0	24.4	30.0
1,2-Dichlorobenzene	Ave	0.6712	0.8798		13.1	10.0	31.1*	30.0
n-Dodecane	Ave	0.3678	0.4008		10.9	10.0	9.0	30.0
1,2,4-Trichlorobenzene	Ave	0.4509	0.6314		14.0	10.0	40.0*	30.0
Hexachlorobutadiene	Ave	0.3456	0.4442		12.9	10.0	28.5	30.0
Naphthalene	Ave	1.028	1.448		14.1	10.0	40.9*	30.0
1,2,3-Trichlorobenzene	Ave	0.3910	0.5534		14.2	10.0	41.5*	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Instrument ID: CHC.i Start Date: 06/14/2014 23:59

Analysis Batch Number: 73607 End Date: 06/15/2014 10:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-73607/1		06/14/2014 23:59	1	8064_01.D	RTX-624 0.32(mm)
VIBLK 200-73607/2		06/15/2014 00:47	1		RTX-624 0.32(mm)
IC 200-73607/3		06/15/2014 01:34	1	8064_03.D	RTX-624 0.32(mm)
IC 200-73607/4		06/15/2014 02:21	1	8064_04.D	RTX-624 0.32(mm)
IC 200-73607/5		06/15/2014 03:08	1	8064_05.D	RTX-624 0.32(mm)
IC 200-73607/6		06/15/2014 03:55	1	8064_06.D	RTX-624 0.32(mm)
ICIS 200-73607/7		06/15/2014 04:42	1	8064_07.D	RTX-624 0.32(mm)
IC 200-73607/8		06/15/2014 05:29	1	8064_08.D	RTX-624 0.32(mm)
IC 200-73607/9		06/15/2014 06:16	1	8064_09.D	RTX-624 0.32(mm)
IC 200-73607/10		06/15/2014 07:03	1	8064_10.D	RTX-624 0.32(mm)
VIBLK 200-73607/11		06/15/2014 07:50	1		RTX-624 0.32(mm)
VIBLK 200-73607/12		06/15/2014 08:37	1		RTX-624 0.32(mm)
ZZZZZ		06/15/2014 09:24	1		RTX-624 0.32(mm)
ICV 200-73607/14		06/15/2014 10:11	1	8064_14.D	RTX-624 0.32(mm)
VIBLK 200-73607/15		06/15/2014 10:59	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23023-1

SDG No.:

Instrument ID: CHC.i Start Date: 07/02/2014 08:43

Analysis Batch Number: 74455 End Date: 07/03/2014 08:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-74455/1		07/02/2014 08:43	1	8375_001.D	RTX-624 0.32(mm)
CCVIS 200-74455/2		07/02/2014 09:33	1	8375_002.D	RTX-624 0.32(mm)
LCS 200-74455/3		07/02/2014 10:32	1	8375_003.D	RTX-624 0.32(mm)
MB 200-74455/4		07/02/2014 11:25	1	8375_004.D	RTX-624 0.32(mm)
ZZZZZ		07/02/2014 12:18	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 13:11	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 14:05	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 14:58	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 15:51	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 16:44	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 17:38	1		RTX-624 0.32(mm)
200-23023-7	2885	07/02/2014 18:36	0.2	8375_012.D	RTX-624 0.32(mm)
ZZZZZ		07/02/2014 19:34	0.2		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 20:32	0.2		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 21:26	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 22:19	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 23:12	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 00:05	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 00:58	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 01:51	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 02:45	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 03:38	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 04:31	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 05:29	0.2		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 06:23	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 07:16	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 08:10	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Instrument ID: CHC.i Start Date: 06/14/2014 23:59

Analysis Batch Number: 73607 End Date: 06/15/2014 10:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-73607/1		06/14/2014 23:59	1	8064_01.D	RTX-624 0.32(mm)
VIBLK 200-73607/2		06/15/2014 00:47	1		RTX-624 0.32(mm)
IC 200-73607/3		06/15/2014 01:34	1	8064_03.D	RTX-624 0.32(mm)
IC 200-73607/4		06/15/2014 02:21	1	8064_04.D	RTX-624 0.32(mm)
IC 200-73607/5		06/15/2014 03:08	1	8064_05.D	RTX-624 0.32(mm)
IC 200-73607/6		06/15/2014 03:55	1	8064_06.D	RTX-624 0.32(mm)
ICIS 200-73607/7		06/15/2014 04:42	1	8064_07.D	RTX-624 0.32(mm)
IC 200-73607/8		06/15/2014 05:29	1	8064_08.D	RTX-624 0.32(mm)
IC 200-73607/9		06/15/2014 06:16	1	8064_09.D	RTX-624 0.32(mm)
IC 200-73607/10		06/15/2014 07:03	1	8064_10.D	RTX-624 0.32(mm)
VIBLK 200-73607/11		06/15/2014 07:50	1		RTX-624 0.32(mm)
VIBLK 200-73607/12		06/15/2014 08:37	1		RTX-624 0.32(mm)
ZZZZZ		06/15/2014 09:24	1		RTX-624 0.32(mm)
ICV 200-73607/14		06/15/2014 10:11	1	8064_14.D	RTX-624 0.32(mm)
VIBLK 200-73607/15		06/15/2014 10:59	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23031-1

SDG No.:

Instrument ID: CHC.i Start Date: 07/02/2014 08:43

Analysis Batch Number: 74455 End Date: 07/03/2014 08:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-74455/1		07/02/2014 08:43	1	8375_001.D	RTX-624 0.32(mm)
CCVIS 200-74455/2		07/02/2014 09:33	1	8375_002.D	RTX-624 0.32(mm)
LCS 200-74455/3		07/02/2014 10:32	1	8375_003.D	RTX-624 0.32(mm)
MB 200-74455/4		07/02/2014 11:25	1	8375_004.D	RTX-624 0.32(mm)
ZZZZZ		07/02/2014 12:18	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 13:11	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 14:05	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 14:58	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 15:51	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 16:44	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 17:38	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 18:36	0.2		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 19:34	0.2		RTX-624 0.32(mm)
200-23031-10	4380	07/02/2014 20:32	0.2	8375_014.D	RTX-624 0.32(mm)
ZZZZZ		07/02/2014 21:26	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 22:19	1		RTX-624 0.32(mm)
ZZZZZ		07/02/2014 23:12	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 00:05	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 00:58	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 01:51	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 02:45	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 03:38	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 04:31	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 05:29	0.2		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 06:23	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 07:16	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 08:10	1		RTX-624 0.32(mm)

Shipping and Receiving Documents

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Bob Mahoney	Samples Collected By: William Armington
Company: Stantec	Phone: 585-413-5301	1 of 4 COCs
Address: 61 Commercial St	Email: Bob.Mahoney@stantec.com	
City/State/Zip Rochester, NY 14614		
Phone: 585-413-5301	Site Contact: Will Armington	
FAX:	TA Contact: Ryan VanDette	
Project Name: LMC-Utica	**Analysis Turnaround Time**	
Site:	Standard (Specify) 2 week	
PO# 1905000800	Rush (Specify)	

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
GCTS Pre Carbon	7/10/14		1025	-29.2	-5	5330	3081	X											
GCTS Mid Carbon	↓		1017	-30	-4.8	↓	5108	X											
GCTS Post Carbon	↓		1012	-30	-6	↓	3217	X											

Temperature (Fahrenheit)		
	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)		
	Interior	Ambient
Start		
Stop		

200-23187 Chain of Custody

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by: TA-BV 7/11/14 0855
Samples Relinquished by: W. Armington Stantec	Date/Time: 7/11/14 1500	Received by: R Gaglia, Syr
Relinquished by: R Gaglia	Date/Time: 7-11-14 1600	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Bob Mahoney	**Samples Collected By:** Will Armington	2 of 4 COCs
Company: Stantec	Phone: 585 413 5301		
Address: 61 Commercial St	Email: Bob.Mahoney@Stantec.com		
City/State/Zip Rochester, NY 14614			
Phone: 585 413 5301	Site Contact: Will Armington		
FAX:	TA Contact: Ryan VanDette		
Project Name: LMC - Utica	**Analysis Turnaround Time**		
Site:	Standard (Specify) 2 wk		
PO # 190500800	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SSDS Mid-Carbon	7/10/14		1645	-30	-4.8	5330	2708	X											
SSDS Effluent (post carbon)	"		1641	-30	-5.2	"	3145	X											

Temperature (Fahrenheit)

	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)

	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by: [signature] TA BK 7/14/14 0855
Samples Relinquished by: W. Armington Stantec	Date/Time: 7/11/14 1500	Received by: Reinglishi Syr
Relinquished by: RE	Date/Time: 7-11-14, 1900	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Bob Mahoney	Samples Collected By: Will Armington
Company: Stantec	Phone: 585 413 5301	3 of 4 COCs
Address: 61 Commercial St	Email: Bob.Mahoney@stantec.com	
City/State/Zip Rochester, NY 14614		
Phone: 585 413 5301	Site Contact: Will Armington	
FAX:	TA Contact: Ryan VanDette	
Project Name: LMC - Utica	**Analysis Turnaround Time**	
Site:	Standard (Specify) 2 WK	
PO # 1905008800	Rush (Specify)	

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SDS-1	7/10/14		1525	-29.5	-5	5330	3320	X											
SDS-2	↓		1534	-29.5	-5	↓	4242	X											
SDS-3			1555	-29	-5		5400	X											
SDS-4			1543	-29	-5		5717	X											
SDS-5			1507	-29.5	-5		3017	X											
SDS-6	↓		1500	-29.1	-5.5	↓	4068	X											

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by: DABM 7/14/14 0855
Samples Relinquished by: Stantec CO Armington	Date/Time: 7/11/14 1500	Received by: Fedex
Relinquished by: RE	Date/Time: 7-11-14, 1900	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Bob Mahoney	**Samples Collected By:**	4 of 4 COCs
Company: Stantec	Phone: 585 413 5301	Will Armington	
Address: 61 Commercial St	Email: Bob.Mahoney@stantec.com		
City/State/Zip Rochester, NY 14614			
Phone: 585 413 5301	Site Contact: Will Armington		
FAX:	TA Contact: Ryan van Dette		
Project Name: LMC-Utica	**Analysis Turnaround Time**		
Site:	Standard (Specify) 2 wk		
PO # 1905008800	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SDS-7	7/10/14		1445	-29.5	-5.5	5330	5121	X											
SDS-8	↓		1440	-30	-5.5	↓	4472	X											
VMP-8C	↓		1415	-29	-4	↓	4716	X											

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by: TABR	7/14/14 0855
Samples Relinquished by: W Armington Stantec	Date/Time: 7/11/14 1500	Received by:	
Relinquished by:	Date/Time: 7-11-14, 1900	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**



Invoice:
Custo: STANTEC 4BOXES
Dept:
PO Number:

Date: 11Jul14
Wgt: 30.00 LBS
COD:
DV:

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
0.00 TOTAL: 0.00

Svcs: GND BLL RCP Master 607782107225
TRCK: 607782107258

FROM:
(315) 431-0171
SYR SERVICE CENTER
TESTAMERICA
118 BOSS RD

SYRACUSE NY 13211
US

SHIP DATE: 11JUL14
ACTWGT: 30.0 LB MAN
CAD: 251798/CAFE2704

BILL RECIPIENT

TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403 (US)
(802) 660-1990
REF: STANTEC 4BOXES

FedEx Ground

4 of 4
MPS# 6077 8210 7258
Mstr# 6077 8210 7225

05403

9622 0422 1 (000 736 3178) 8 00 6077 8210 7258

518C2/ED4F/6F03

J131113052301 26

Invoice:
Custo: STANTEC 4BOXES
Dept:
PO Number:

Date: 11Jul14
Wgt: 30.00 LBS
COD:
DV:

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
0.00 TOTAL: 0.00

Svcs: GND BLL RCP Master 607782107225
TRCK: 607782107247

FROM:
(315) 431-0171
SYR SERVICE CENTER
TESTAMERICA
118 BOSS RD

SYRACUSE NY 13211
US

SHIP DATE: 11JUL14
ACTWGT: 30.0 LB MAN
CAD: 251798/CAFE2704

BILL RECIPIENT

TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403 (US)
(802) 660-1990
REF: STANTEC 4BOXES

FedEx Ground

3 of 4
MPS# 6077 8210 7247
Mstr# 6077 8210 7225

05403

9622 0422 1 (000 736 3178) 8 00 6077 8210 7247

518C3/ED4F/6F03

J131113052301 26



Invoice:
Custo: STANTEC 4BOXES
Dept:
PO Number:

Date: 11Jul14
Wgt: 30.00 LBS
COD:
DV:

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
0.00 TOTAL: 0.00

Svcs: GND BLL RCP Master 607782107225
TRCK: 607782107225

FROM:
SYR SERVICE CENTER
TESTAMERICA
118 BOSS RD

SYRACUSE NY 13211
US

(315) 431-0171

SHIP DATE: 11JUL14
ACTWGT: 30.0 LB MAN
CAD: 251798/CAFE2704

BILL RECIPIENT

TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403 (US)
(802) 660-1990
REF: STANTEC 4BOXES

FedEx Ground

1 of 4
TRK# 6077 8210 7225
MASTER

05403

9622 0422 1 (000 736 3178) 8 00 6077 8210 7225

Invoice:
Custo: STANTEC 4BOXES
Dept:
PO Number:

Date: 11Jul14
Wgt: 30.00 LBS
COD:
DV:

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
0.00 TOTAL: 0.00

Svcs: GND BLL RCP Master 607782107225
TRCK: 607782107236

FROM:
SYR SERVICE CENTER
TESTAMERICA
118 BOSS RD

SYRACUSE NY 13211
US

(315) 431-0171

SHIP DATE: 11JUL14
ACTWGT: 30.0 LB MAN
CAD: 251798/CAFE2704

BILL RECIPIENT

TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403 (US
(802) 660-1990
REF: STANTEC 4BOXES

FedE Groun

2 of 4
MPS# 6077 8210 7236
Mstr# 6077 8210 7225

054(

9622 0422 1 (000 736 3178) 8 00 6077 8210 7236

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 200-23187-1
SDG Number: 200-23187

Login Number: 23187
List Number: 1
Creator: Lavigne, Scott M

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	119870,229351,119867,868
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	AMBIENT
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 200-24716-1

SDG Number: 200-24716

Job Description: LMC Utica

For:
Stantec Consulting Services Inc
61 Commercial Street
Rochester, NY 14614

Attention: Bob Mahoney



Approved for release.
Don C Dawicki
Manager of Project Management
10/26/2014 8:55 PM

Don C Dawicki, Manager of Project Management
30 Community Drive, South Burlington, VT, 05403
(802)660-1990
don.dawicki@testamericainc.com
10/26/2014

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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CASE NARRATIVE

Client: Stantec Consulting Services Inc

Project: LMC Utica

Report Number: 200-24716-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 10/11/2014; the samples arrived in good condition, properly preserved and on ice.

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): SDS-5. The container labels list air canister 5609 while the COC lists air canister 5069. It was logged in per container as 5609 as that was the asset number.

VOLATILE ORGANIC COMPOUNDS

Samples SDS-1, GCTS PRE CARBON, SDS-2, GCTS MID CARBON, SDS-3, GCTS POST CARBON, SDS-4, SDS-5, SDS-6, SDS-7, SDS-8, VP GAC MID and VP GAC POST were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 10/14/2014, 10/15/2014 and 10/16/2014.

Samples GCTS PRE CARBON[2.99X], SDS-1[8X], GCTS MID CARBON[2X], SDS-2[5X], SDS-4[2X], SDS-5[8X], SDS-6[17.2X], SDS-7[4X] and SDS-8[2.99X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Instrument ID: CHB.i Analysis Batch Number: 77543

Lab Sample ID: IC 200-77543/7 Client Sample ID:

Date Analyzed: 09/21/14 23:57 Lab File ID: 9579_007.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	11.68	Baseline Event	daiglep	09/22/14 08:27

Lab Sample ID: IC 200-77543/8 Client Sample ID:

Date Analyzed: 09/22/14 00:49 Lab File ID: 9579_008.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.23	Baseline Event	daiglep	09/22/14 08:29
Trichloroethene	11.67	Baseline Event	lyonsb	09/22/14 11:37

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Instrument ID: CHB.i Analysis Batch Number: 78645

Lab Sample ID: 200-24717-1 Client Sample ID: GCTS PRE CARBON

Date Analyzed: 10/14/14 13:44 Lab File ID: 9990_005.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toluene	13.46	Baseline Event	daiglep	10/15/14 11:08

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Instrument ID: CHB.i Analysis Batch Number: 78704

Lab Sample ID: 200-24716-3 Client Sample ID: SDS-3

Date Analyzed: 10/15/14 17:09 Lab File ID: 10013_08.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	9.52	Baseline Event	daiglep	10/16/14 11:09

Lab Sample ID: 200-24716-4 Client Sample ID: SDS-4

Date Analyzed: 10/15/14 18:01 Lab File ID: 10013_09.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 11	5.36	Baseline Event	daiglep	10/16/14 11:11

Lab Sample ID: 200-24716-5 Client Sample ID: SDS-5

Date Analyzed: 10/15/14 18:53 Lab File ID: 10013_10.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.24	Baseline Event	daiglep	10/16/14 11:19

Lab Sample ID: 200-24716-7 Client Sample ID: SDS-7

Date Analyzed: 10/15/14 20:38 Lab File ID: 10013_12.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.23	Peak not found by the data system	daiglep	10/16/14 11:23

Lab Sample ID: 200-24716-10 Client Sample ID: VP GAC POST

Date Analyzed: 10/15/14 23:14 Lab File ID: 10013_15.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.22	Baseline Event	daiglep	10/16/14 11:30

SAMPLE SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-24716-1	SDS-1	Air	10/09/2014 1427	10/11/2014 1045
200-24716-2	SDS-2	Air	10/09/2014 1420	10/11/2014 1045
200-24716-3	SDS-3	Air	10/09/2014 1440	10/11/2014 1045
200-24716-4	SDS-4	Air	10/09/2014 1432	10/11/2014 1045
200-24716-5	SDS-5	Air	10/09/2014 1141	10/11/2014 1045
200-24716-6	SDS-6	Air	10/09/2014 1230	10/11/2014 1045
200-24716-7	SDS-7	Air	10/09/2014 1223	10/11/2014 1045
200-24716-8	SDS-8	Air	10/09/2014 1214	10/11/2014 1045
200-24716-9	VP GAC MID	Air	10/10/2014 0931	10/11/2014 1045
200-24716-10	VP GAC POST	Air	10/10/2014 0927	10/11/2014 1045
200-24717-1	GCTS PRE CARBON	Air	10/09/2014 1712	10/11/2014 1045
200-24717-2	GCTS MID CARBON	Air	10/09/2014 1707	10/11/2014 1045
200-24717-3	GCTS POST CARBON	Air	10/09/2014 1703	10/11/2014 1045

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-24716-1	**SDS-1**					
Freon 12		3.4	J	4.0	ppb v/v	TO-15
Freon 12		17	J	20	ug/m3	TO-15
Isopropyl alcohol		7.0	J	40	ppb v/v	TO-15
Isopropyl alcohol		17	J	98	ug/m3	TO-15
Methylene Chloride		2.2	J	4.0	ppb v/v	TO-15
Methylene Chloride		7.7	J	14	ug/m3	TO-15
cis-1,2-Dichloroethene		2.6		1.6	ppb v/v	TO-15
cis-1,2-Dichloroethene		10		6.3	ug/m3	TO-15
1,2-Dichloroethene, Total		2.6		1.6	ppb v/v	TO-15
1,2-Dichloroethene, Total		10		6.3	ug/m3	TO-15
Heptane		2.7		1.6	ppb v/v	TO-15
Heptane		11		6.6	ug/m3	TO-15
Trichloroethene		7.4		0.32	ppb v/v	TO-15
Trichloroethene		40		1.7	ug/m3	TO-15
Tetrachloroethene		180		1.6	ppb v/v	TO-15
Tetrachloroethene		1200		11	ug/m3	TO-15
200-24716-2	**SDS-2**					
Freon 12		7.9		2.5	ppb v/v	TO-15
Freon 12		39		12	ug/m3	TO-15
Freon 22		0.41	J	2.5	ppb v/v	TO-15
Freon 22		1.4	J	8.8	ug/m3	TO-15
Isopropyl alcohol		95		25	ppb v/v	TO-15
Isopropyl alcohol		230		61	ug/m3	TO-15
Methylene Chloride		3.2		2.5	ppb v/v	TO-15
Methylene Chloride		11		8.7	ug/m3	TO-15
1,1,1-Trichloroethane		1.7		1.0	ppb v/v	TO-15
1,1,1-Trichloroethane		9.3		5.5	ug/m3	TO-15
Cyclohexane		0.55	J	1.0	ppb v/v	TO-15
Cyclohexane		1.9	J	3.4	ug/m3	TO-15
Trichloroethene		3.5		0.20	ppb v/v	TO-15
Trichloroethene		19		1.1	ug/m3	TO-15
Toluene		0.19	J	1.0	ppb v/v	TO-15
Toluene		0.72	J	3.8	ug/m3	TO-15
Tetrachloroethene		7.7		1.0	ppb v/v	TO-15
Tetrachloroethene		52		6.8	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-24716-3	**SDS-3**					
Freon 12		0.56		0.50	ppb v/v	TO-15
Freon 12		2.8		2.5	ug/m3	TO-15
Freon 22		0.72		0.50	ppb v/v	TO-15
Freon 22		2.5		1.8	ug/m3	TO-15
n-Butane		0.84		0.50	ppb v/v	TO-15
n-Butane		2.0		1.2	ug/m3	TO-15
Freon 11		0.28		0.20	ppb v/v	TO-15
Freon 11		1.6		1.1	ug/m3	TO-15
Freon 113		0.14	J	0.20	ppb v/v	TO-15
Freon 113		1.1	J	1.5	ug/m3	TO-15
Acetone		6.0		5.0	ppb v/v	TO-15
Acetone		14		12	ug/m3	TO-15
Isopropyl alcohol		30		5.0	ppb v/v	TO-15
Isopropyl alcohol		73		12	ug/m3	TO-15
Carbon disulfide		1.3		0.50	ppb v/v	TO-15
Carbon disulfide		4.1		1.6	ug/m3	TO-15
Methylene Chloride		16		0.50	ppb v/v	TO-15
Methylene Chloride		54		1.7	ug/m3	TO-15
Hexane		0.093	J	0.20	ppb v/v	TO-15
Hexane		0.33	J	0.70	ug/m3	TO-15
1,1-Dichloroethane		0.035	J	0.20	ppb v/v	TO-15
1,1-Dichloroethane		0.14	J	0.81	ug/m3	TO-15
cis-1,2-Dichloroethene		0.14	J	0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		0.55	J	0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		0.14	J	0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		0.56	J	0.79	ug/m3	TO-15
Chloroform		0.19	J	0.20	ppb v/v	TO-15
Chloroform		0.94	J	0.98	ug/m3	TO-15
Cyclohexane		0.42		0.20	ppb v/v	TO-15
Cyclohexane		1.4		0.69	ug/m3	TO-15
Carbon tetrachloride		0.055		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.35		0.25	ug/m3	TO-15
Trichloroethene		1.4		0.040	ppb v/v	TO-15
Trichloroethene		7.8		0.21	ug/m3	TO-15
Tetrachloroethene		0.16	J	0.20	ppb v/v	TO-15
Tetrachloroethene		1.1	J	1.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-24716-4	**SDS-4**					
Freon 12		0.54	J	1.0	ppb v/v	TO-15
Freon 12		2.7	J	4.9	ug/m3	TO-15
Freon 22		0.55	J	1.0	ppb v/v	TO-15
Freon 22		2.0	J	3.5	ug/m3	TO-15
Freon 11		0.29	J	0.40	ppb v/v	TO-15
Freon 11		1.6	J	2.2	ug/m3	TO-15
Freon 113		0.13	J	0.40	ppb v/v	TO-15
Freon 113		0.96	J	3.1	ug/m3	TO-15
Acetone		5.7	J	10	ppb v/v	TO-15
Acetone		14	J	24	ug/m3	TO-15
Isopropyl alcohol		47		10	ppb v/v	TO-15
Isopropyl alcohol		120		25	ug/m3	TO-15
Methylene Chloride		9.9		1.0	ppb v/v	TO-15
Methylene Chloride		35		3.5	ug/m3	TO-15
Hexane		0.32	J	0.40	ppb v/v	TO-15
Hexane		1.1	J	1.4	ug/m3	TO-15
cis-1,2-Dichloroethene		0.47		0.40	ppb v/v	TO-15
cis-1,2-Dichloroethene		1.9		1.6	ug/m3	TO-15
1,2-Dichloroethene, Total		0.47		0.40	ppb v/v	TO-15
1,2-Dichloroethene, Total		1.9		1.6	ug/m3	TO-15
Cyclohexane		1.3		0.40	ppb v/v	TO-15
Cyclohexane		4.4		1.4	ug/m3	TO-15
Carbon tetrachloride		0.079	J	0.080	ppb v/v	TO-15
Carbon tetrachloride		0.50	J	0.50	ug/m3	TO-15
Benzene		0.12	J	0.40	ppb v/v	TO-15
Benzene		0.37	J	1.3	ug/m3	TO-15
Heptane		7.1		0.40	ppb v/v	TO-15
Heptane		29		1.6	ug/m3	TO-15
Trichloroethene		2.1		0.080	ppb v/v	TO-15
Trichloroethene		12		0.43	ug/m3	TO-15
1,4-Dioxane		0.48	J	10	ppb v/v	TO-15
1,4-Dioxane		1.7	J	36	ug/m3	TO-15
Toluene		0.55		0.40	ppb v/v	TO-15
Toluene		2.1		1.5	ug/m3	TO-15
Tetrachloroethene		29		0.40	ppb v/v	TO-15
Tetrachloroethene		190		2.7	ug/m3	TO-15
Ethylbenzene		0.34	J	0.40	ppb v/v	TO-15
Ethylbenzene		1.5	J	1.7	ug/m3	TO-15
m,p-Xylene		0.90	J	1.0	ppb v/v	TO-15
m,p-Xylene		3.9	J	4.3	ug/m3	TO-15
Xylene, o-		0.83		0.40	ppb v/v	TO-15
Xylene, o-		3.6		1.7	ug/m3	TO-15
Xylene (total)		1.7		0.40	ppb v/v	TO-15
Xylene (total)		7.5		1.7	ug/m3	TO-15
Styrene		0.20	J	0.40	ppb v/v	TO-15
Styrene		0.85	J	1.7	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
4-Ethyltoluene		0.15	J	0.40	ppb v/v	TO-15
4-Ethyltoluene		0.74	J	2.0	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.48		0.40	ppb v/v	TO-15
1,3,5-Trimethylbenzene		2.3		2.0	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.65		0.40	ppb v/v	TO-15
1,2,4-Trimethylbenzene		3.2		2.0	ug/m3	TO-15
4-Isopropyltoluene		0.17	J	0.40	ppb v/v	TO-15
4-Isopropyltoluene		0.95	J	2.2	ug/m3	TO-15
200-24716-5	**SDS-5**					
Freon 22		1.4	J	4.0	ppb v/v	TO-15
Freon 22		5.0	J	14	ug/m3	TO-15
Isopropyl alcohol		170		40	ppb v/v	TO-15
Isopropyl alcohol		420		98	ug/m3	TO-15
Methylene Chloride		62		4.0	ppb v/v	TO-15
Methylene Chloride		220		14	ug/m3	TO-15
Hexane		0.71	J	1.6	ppb v/v	TO-15
Hexane		2.5	J	5.6	ug/m3	TO-15
Cyclohexane		1.1	J	1.6	ppb v/v	TO-15
Cyclohexane		3.8	J	5.5	ug/m3	TO-15
Trichloroethene		1.7		0.32	ppb v/v	TO-15
Trichloroethene		9.0		1.7	ug/m3	TO-15
Toluene		0.83	J	1.6	ppb v/v	TO-15
Toluene		3.1	J	6.0	ug/m3	TO-15
Tetrachloroethene		0.74	J	1.6	ppb v/v	TO-15
Tetrachloroethene		5.0	J	11	ug/m3	TO-15
Ethylbenzene		0.27	J	1.6	ppb v/v	TO-15
Ethylbenzene		1.2	J	6.9	ug/m3	TO-15
m,p-Xylene		0.87	J	4.0	ppb v/v	TO-15
m,p-Xylene		3.8	J	17	ug/m3	TO-15
Xylene, o-		0.24	J	1.6	ppb v/v	TO-15
Xylene, o-		1.0	J	6.9	ug/m3	TO-15
Xylene (total)		1.1	J	1.6	ppb v/v	TO-15
Xylene (total)		4.8	J	6.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-24716-6	**SDS-6**					
Freon 22		1.5	J	8.6	ppb v/v	TO-15
Freon 22		5.2	J	30	ug/m3	TO-15
Isopropyl alcohol		360		86	ppb v/v	TO-15
Isopropyl alcohol		900		210	ug/m3	TO-15
Methylene Chloride		64		8.6	ppb v/v	TO-15
Methylene Chloride		220		30	ug/m3	TO-15
Cyclohexane		3.3	J	3.4	ppb v/v	TO-15
Cyclohexane		11	J	12	ug/m3	TO-15
Toluene		1.9	J	3.4	ppb v/v	TO-15
Toluene		7.0	J	13	ug/m3	TO-15
Tetrachloroethene		1.2	J	3.4	ppb v/v	TO-15
Tetrachloroethene		7.8	J	23	ug/m3	TO-15
200-24716-7	**SDS-7**					
Freon 12		0.59	J	2.0	ppb v/v	TO-15
Freon 12		2.9	J	9.9	ug/m3	TO-15
Freon 22		2.2		2.0	ppb v/v	TO-15
Freon 22		7.7		7.1	ug/m3	TO-15
n-Butane		2.4		2.0	ppb v/v	TO-15
n-Butane		5.6		4.8	ug/m3	TO-15
Isopropyl alcohol		100		20	ppb v/v	TO-15
Isopropyl alcohol		250		49	ug/m3	TO-15
Methylene Chloride		25		2.0	ppb v/v	TO-15
Methylene Chloride		88		6.9	ug/m3	TO-15
tert-Butyl alcohol		9.8	J	20	ppb v/v	TO-15
tert-Butyl alcohol		30	J	61	ug/m3	TO-15
Tetrahydrofuran		1.5	J	20	ppb v/v	TO-15
Tetrahydrofuran		4.6	J	59	ug/m3	TO-15
Cyclohexane		0.57	J	0.80	ppb v/v	TO-15
Cyclohexane		2.0	J	2.8	ug/m3	TO-15
Trichloroethene		0.41		0.16	ppb v/v	TO-15
Trichloroethene		2.2		0.86	ug/m3	TO-15
Toluene		0.48	J	0.80	ppb v/v	TO-15
Toluene		1.8	J	3.0	ug/m3	TO-15
Tetrachloroethene		0.25	J	0.80	ppb v/v	TO-15
Tetrachloroethene		1.7	J	5.4	ug/m3	TO-15
Naphthalene		1.8	J	2.0	ppb v/v	TO-15
Naphthalene		9.3	J	10	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-24716-8	**SDS-8**					
Freon 12		1.2	J	1.5	ppb v/v	TO-15
Freon 12		5.9	J	7.4	ug/m3	TO-15
Freon 22		2.3		1.5	ppb v/v	TO-15
Freon 22		8.1		5.3	ug/m3	TO-15
n-Butane		6.6		1.5	ppb v/v	TO-15
n-Butane		16		3.6	ug/m3	TO-15
Freon 11		0.35	J	0.60	ppb v/v	TO-15
Freon 11		1.9	J	3.4	ug/m3	TO-15
Freon 113		0.77		0.60	ppb v/v	TO-15
Freon 113		5.9		4.6	ug/m3	TO-15
Acetone		15		15	ppb v/v	TO-15
Acetone		35		36	ug/m3	TO-15
Isopropyl alcohol		110		15	ppb v/v	TO-15
Isopropyl alcohol		270		37	ug/m3	TO-15
Methylene Chloride		27		1.5	ppb v/v	TO-15
Methylene Chloride		94		5.2	ug/m3	TO-15
1,1-Dichloroethane		0.26	J	0.60	ppb v/v	TO-15
1,1-Dichloroethane		1.1	J	2.4	ug/m3	TO-15
cis-1,2-Dichloroethene		0.48	J	0.60	ppb v/v	TO-15
cis-1,2-Dichloroethene		1.9	J	2.4	ug/m3	TO-15
1,2-Dichloroethene, Total		0.48	J	0.60	ppb v/v	TO-15
1,2-Dichloroethene, Total		1.9	J	2.4	ug/m3	TO-15
Chloroform		4.8		0.60	ppb v/v	TO-15
Chloroform		23		2.9	ug/m3	TO-15
1,1,1-Trichloroethane		0.88		0.60	ppb v/v	TO-15
1,1,1-Trichloroethane		4.8		3.3	ug/m3	TO-15
Carbon tetrachloride		0.10	J	0.12	ppb v/v	TO-15
Carbon tetrachloride		0.64	J	0.75	ug/m3	TO-15
Trichloroethene		8.4		0.12	ppb v/v	TO-15
Trichloroethene		45		0.64	ug/m3	TO-15
Toluene		1.3		0.60	ppb v/v	TO-15
Toluene		4.7		2.3	ug/m3	TO-15
Tetrachloroethene		2.1		0.60	ppb v/v	TO-15
Tetrachloroethene		14		4.1	ug/m3	TO-15
m,p-Xylene		0.27	J	1.5	ppb v/v	TO-15
m,p-Xylene		1.2	J	6.5	ug/m3	TO-15
Xylene (total)		0.27	J	0.60	ppb v/v	TO-15
Xylene (total)		1.2	J	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-24716-9	**VP GAC MID**					
Freon 12		1.4		0.50	ppb v/v	TO-15
Freon 12		6.9		2.5	ug/m3	TO-15
Freon 22		0.52		0.50	ppb v/v	TO-15
Freon 22		1.8		1.8	ug/m3	TO-15
n-Butane		2.4		0.50	ppb v/v	TO-15
n-Butane		5.7		1.2	ug/m3	TO-15
Freon 11		0.51		0.20	ppb v/v	TO-15
Freon 11		2.9		1.1	ug/m3	TO-15
Freon 113		0.26		0.20	ppb v/v	TO-15
Freon 113		2.0		1.5	ug/m3	TO-15
Isopropyl alcohol		29		5.0	ppb v/v	TO-15
Isopropyl alcohol		71		12	ug/m3	TO-15
Methylene Chloride		8.5		0.50	ppb v/v	TO-15
Methylene Chloride		29		1.7	ug/m3	TO-15
trans-1,2-Dichloroethene		0.33		0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		1.3		0.79	ug/m3	TO-15
1,1-Dichloroethane		0.11	J	0.20	ppb v/v	TO-15
1,1-Dichloroethane		0.44	J	0.81	ug/m3	TO-15
cis-1,2-Dichloroethene		0.54		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		2.2		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		0.87		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		3.4		0.79	ug/m3	TO-15
Chloroform		2.0		0.20	ppb v/v	TO-15
Chloroform		9.6		0.98	ug/m3	TO-15
Tetrahydrofuran		0.62	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.8	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.33		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		1.8		1.1	ug/m3	TO-15
Cyclohexane		0.46		0.20	ppb v/v	TO-15
Cyclohexane		1.6		0.69	ug/m3	TO-15
Carbon tetrachloride		0.15		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.92		0.25	ug/m3	TO-15
Benzene		0.59		0.20	ppb v/v	TO-15
Benzene		1.9		0.64	ug/m3	TO-15
Trichloroethene		0.078		0.040	ppb v/v	TO-15
Trichloroethene		0.42		0.21	ug/m3	TO-15
Toluene		0.068	J	0.20	ppb v/v	TO-15
Toluene		0.26	J	0.75	ug/m3	TO-15
Ethylbenzene		0.034	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.15	J	0.87	ug/m3	TO-15
m,p-Xylene		0.10	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.45	J	2.2	ug/m3	TO-15
Xylene, o-		0.038	J	0.20	ppb v/v	TO-15
Xylene, o-		0.16	J	0.87	ug/m3	TO-15
Xylene (total)		0.14	J	0.20	ppb v/v	TO-15
Xylene (total)		0.60	J	0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
1,2,4-Trimethylbenzene		0.035	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.17	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-24716-10	**VP GAC POST**					
Freon 12		1.2		0.50	ppb v/v	TO-15
Freon 12		6.2		2.5	ug/m3	TO-15
Freon 22		0.60		0.50	ppb v/v	TO-15
Freon 22		2.1		1.8	ug/m3	TO-15
n-Butane		3.9		0.50	ppb v/v	TO-15
n-Butane		9.2		1.2	ug/m3	TO-15
Freon 11		1.0		0.20	ppb v/v	TO-15
Freon 11		5.6		1.1	ug/m3	TO-15
Freon 113		0.36		0.20	ppb v/v	TO-15
Freon 113		2.8		1.5	ug/m3	TO-15
Isopropyl alcohol		24		5.0	ppb v/v	TO-15
Isopropyl alcohol		58		12	ug/m3	TO-15
Methylene Chloride		10		0.50	ppb v/v	TO-15
Methylene Chloride		36		1.7	ug/m3	TO-15
trans-1,2-Dichloroethene		0.36		0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		1.4		0.79	ug/m3	TO-15
Hexane		0.22		0.20	ppb v/v	TO-15
Hexane		0.78		0.70	ug/m3	TO-15
1,1-Dichloroethane		0.13	J	0.20	ppb v/v	TO-15
1,1-Dichloroethane		0.54	J	0.81	ug/m3	TO-15
cis-1,2-Dichloroethene		0.42		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		1.7		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		0.78		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		3.1		0.79	ug/m3	TO-15
Chloroform		1.3		0.20	ppb v/v	TO-15
Chloroform		6.4		0.98	ug/m3	TO-15
Tetrahydrofuran		0.64	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.9	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.11	J	0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		0.59	J	1.1	ug/m3	TO-15
Cyclohexane		0.35		0.20	ppb v/v	TO-15
Cyclohexane		1.2		0.69	ug/m3	TO-15
Carbon tetrachloride		0.092		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.58		0.25	ug/m3	TO-15
Benzene		0.091	J	0.20	ppb v/v	TO-15
Benzene		0.29	J	0.64	ug/m3	TO-15
Heptane		0.33		0.20	ppb v/v	TO-15
Heptane		1.3		0.82	ug/m3	TO-15
Toluene		0.11	J	0.20	ppb v/v	TO-15
Toluene		0.42	J	0.75	ug/m3	TO-15
Ethylbenzene		0.087	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.38	J	0.87	ug/m3	TO-15
m,p-Xylene		0.21	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.93	J	2.2	ug/m3	TO-15
Xylene, o-		0.068	J	0.20	ppb v/v	TO-15
Xylene, o-		0.29	J	0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene (total)		0.28		0.20	ppb v/v	TO-15
Xylene (total)		1.2		0.87	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.059	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.29	J	0.98	ug/m3	TO-15
200-24717-1	**GCTS PRE CARBON**					
Freon 12		0.53	J	1.5	ppb v/v	TO-15
Freon 12		2.6	J	7.4	ug/m3	TO-15
Freon 22		0.32	J	1.5	ppb v/v	TO-15
Freon 22		1.1	J	5.3	ug/m3	TO-15
Vinyl chloride		0.57		0.12	ppb v/v	TO-15
Vinyl chloride		1.4		0.31	ug/m3	TO-15
Chloroethane		0.26	J	1.5	ppb v/v	TO-15
Chloroethane		0.69	J	3.9	ug/m3	TO-15
Freon 113		12		0.60	ppb v/v	TO-15
Freon 113		92		4.6	ug/m3	TO-15
1,1-Dichloroethane		12		0.60	ppb v/v	TO-15
1,1-Dichloroethane		49		2.4	ug/m3	TO-15
Methyl Ethyl Ketone		3.5		1.5	ppb v/v	TO-15
Methyl Ethyl Ketone		10		4.4	ug/m3	TO-15
cis-1,2-Dichloroethene		74		0.60	ppb v/v	TO-15
cis-1,2-Dichloroethene		290		2.4	ug/m3	TO-15
1,2-Dichloroethene, Total		74		0.60	ppb v/v	TO-15
1,2-Dichloroethene, Total		290		2.4	ug/m3	TO-15
Chloroform		0.40	J	0.60	ppb v/v	TO-15
Chloroform		2.0	J	2.9	ug/m3	TO-15
Tetrahydrofuran		0.82	J	15	ppb v/v	TO-15
Tetrahydrofuran		2.4	J	44	ug/m3	TO-15
Carbon tetrachloride		0.084	J	0.12	ppb v/v	TO-15
Carbon tetrachloride		0.53	J	0.75	ug/m3	TO-15
Trichloroethene		51		0.12	ppb v/v	TO-15
Trichloroethene		270		0.64	ug/m3	TO-15
Toluene		0.13	J	0.60	ppb v/v	TO-15
Toluene		0.51	J	2.3	ug/m3	TO-15
Tetrachloroethene		24		0.60	ppb v/v	TO-15
Tetrachloroethene		160		4.1	ug/m3	TO-15
Xylene, o-		0.12	J	0.60	ppb v/v	TO-15
Xylene, o-		0.53	J	2.6	ug/m3	TO-15
Xylene (total)		0.12	J	0.60	ppb v/v	TO-15
Xylene (total)		0.52	J	2.6	ug/m3	TO-15
Styrene		0.10	J	0.60	ppb v/v	TO-15
Styrene		0.45	J	2.5	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.12	J	0.60	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.59	J	2.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-24717-2	**GCTS MID CARBON**					
Freon 12		0.34	J	1.0	ppb v/v	TO-15
Freon 12		1.7	J	4.9	ug/m3	TO-15
Freon 22		0.31	J	1.0	ppb v/v	TO-15
Freon 22		1.1	J	3.5	ug/m3	TO-15
Vinyl chloride		0.74		0.080	ppb v/v	TO-15
Vinyl chloride		1.9		0.20	ug/m3	TO-15
Freon 11		0.32	J	0.40	ppb v/v	TO-15
Freon 11		1.8	J	2.2	ug/m3	TO-15
Freon 113		6.9		0.40	ppb v/v	TO-15
Freon 113		53		3.1	ug/m3	TO-15
Methylene Chloride		0.49	J	1.0	ppb v/v	TO-15
Methylene Chloride		1.7	J	3.5	ug/m3	TO-15
1,1-Dichloroethane		6.2		0.40	ppb v/v	TO-15
1,1-Dichloroethane		25		1.6	ug/m3	TO-15
Methyl Ethyl Ketone		2.5		1.0	ppb v/v	TO-15
Methyl Ethyl Ketone		7.5		2.9	ug/m3	TO-15
cis-1,2-Dichloroethene		49		0.40	ppb v/v	TO-15
cis-1,2-Dichloroethene		190		1.6	ug/m3	TO-15
1,2-Dichloroethene, Total		49		0.40	ppb v/v	TO-15
1,2-Dichloroethene, Total		190		1.6	ug/m3	TO-15
Chloroform		0.26	J	0.40	ppb v/v	TO-15
Chloroform		1.3	J	2.0	ug/m3	TO-15
Tetrahydrofuran		0.76	J	10	ppb v/v	TO-15
Tetrahydrofuran		2.2	J	29	ug/m3	TO-15
Trichloroethene		0.18		0.080	ppb v/v	TO-15
Trichloroethene		0.94		0.43	ug/m3	TO-15
Toluene		0.60		0.40	ppb v/v	TO-15
Toluene		2.3		1.5	ug/m3	TO-15
Tetrachloroethene		0.075	J	0.40	ppb v/v	TO-15
Tetrachloroethene		0.51	J	2.7	ug/m3	TO-15
Ethylbenzene		0.086	J	0.40	ppb v/v	TO-15
Ethylbenzene		0.37	J	1.7	ug/m3	TO-15
m,p-Xylene		0.33	J	1.0	ppb v/v	TO-15
m,p-Xylene		1.4	J	4.3	ug/m3	TO-15
Xylene, o-		0.23	J	0.40	ppb v/v	TO-15
Xylene, o-		0.99	J	1.7	ug/m3	TO-15
Xylene (total)		0.56		0.40	ppb v/v	TO-15
Xylene (total)		2.4		1.7	ug/m3	TO-15
Styrene		0.078	J	0.40	ppb v/v	TO-15
Styrene		0.33	J	1.7	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.071	J	0.40	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.35	J	2.0	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.21	J	0.40	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.0	J	2.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-24717-3	**GCTS POST CARBON**					
Freon 12		0.67		0.50	ppb v/v	TO-15
Freon 12		3.3		2.5	ug/m3	TO-15
Freon 22		0.34	J	0.50	ppb v/v	TO-15
Freon 22		1.2	J	1.8	ug/m3	TO-15
Vinyl chloride		1.1		0.040	ppb v/v	TO-15
Vinyl chloride		2.7		0.10	ug/m3	TO-15
Freon 11		0.33		0.20	ppb v/v	TO-15
Freon 11		1.8		1.1	ug/m3	TO-15
Freon 113		7.6		0.20	ppb v/v	TO-15
Freon 113		59		1.5	ug/m3	TO-15
1,1-Dichloroethene		0.18	J	0.20	ppb v/v	TO-15
1,1-Dichloroethene		0.70	J	0.79	ug/m3	TO-15
Methylene Chloride		0.38	J	0.50	ppb v/v	TO-15
Methylene Chloride		1.3	J	1.7	ug/m3	TO-15
1,1-Dichloroethane		13		0.20	ppb v/v	TO-15
1,1-Dichloroethane		52		0.81	ug/m3	TO-15
Methyl Ethyl Ketone		1.4		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		4.1		1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		34		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		130		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		34		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		130		0.79	ug/m3	TO-15
Chloroform		0.29		0.20	ppb v/v	TO-15
Chloroform		1.4		0.98	ug/m3	TO-15
Tetrahydrofuran		0.44	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.3	J	15	ug/m3	TO-15
Benzene		0.041	J	0.20	ppb v/v	TO-15
Benzene		0.13	J	0.64	ug/m3	TO-15
Trichloroethene		0.040		0.040	ppb v/v	TO-15
Trichloroethene		0.21		0.21	ug/m3	TO-15
Toluene		0.12	J	0.20	ppb v/v	TO-15
Toluene		0.46	J	0.75	ug/m3	TO-15
Tetrachloroethene		0.032	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.22	J	1.4	ug/m3	TO-15
m,p-Xylene		0.084	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.36	J	2.2	ug/m3	TO-15
Xylene, o-		0.090	J	0.20	ppb v/v	TO-15
Xylene, o-		0.39	J	0.87	ug/m3	TO-15
Xylene (total)		0.17	J	0.20	ppb v/v	TO-15
Xylene (total)		0.76	J	0.87	ug/m3	TO-15
Styrene		0.052	J	0.20	ppb v/v	TO-15
Styrene		0.22	J	0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.076	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.37	J	0.98	ug/m3	TO-15

METHOD SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Method	Analyst	Analyst ID
EPA TO-15	Daigle, Paul A	PAD

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-1**

Lab Sample ID: 200-24716-1
Client Matrix: Air

Date Sampled: 10/09/2014 1427
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_06.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	10/15/2014 1525			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1525			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	3.4	J	0.45	4.0
Freon 22	4.0	U	0.64	4.0
Freon-114	1.6	U	0.42	1.6
Chloromethane	4.0	U	0.48	4.0
n-Butane	4.0	U	1.4	4.0
Vinyl chloride	0.32	U	0.21	0.32
1,3-Butadiene	1.6	U	0.29	1.6
Bromomethane	1.6	U	0.35	1.6
Chloroethane	4.0	U	0.49	4.0
Vinyl bromide	1.6	U	0.16	1.6
Freon 11	1.6	U	0.36	1.6
Freon 113	1.6	U	0.33	1.6
1,1-Dichloroethene	1.6	U	0.080	1.6
Acetone	40	U	5.5	40
Isopropyl alcohol	7.0	J	1.2	40
Carbon disulfide	4.0	U	0.24	4.0
Allyl chloride	4.0	U	1.3	4.0
Methylene Chloride	2.2	J	0.96	4.0
tert-Butyl alcohol	40	U	0.96	40
Methyl tert-butyl ether	1.6	U	0.18	1.6
trans-1,2-Dichloroethene	1.6	U	0.22	1.6
Hexane	1.6	U	0.22	1.6
1,1-Dichloroethane	1.6	U	0.22	1.6
Methyl Ethyl Ketone	4.0	U	0.74	4.0
cis-1,2-Dichloroethene	2.6		0.24	1.6
1,2-Dichloroethene, Total	2.6		0.42	1.6
Chloroform	1.6	U	0.30	1.6
Tetrahydrofuran	40	U	1.4	40
1,1,1-Trichloroethane	1.6	U	0.24	1.6
Cyclohexane	1.6	U	0.080	1.6
Carbon tetrachloride	0.32	U	0.088	0.32
2,2,4-Trimethylpentane	1.6	U	0.18	1.6
Benzene	1.6	U	0.23	1.6
1,2-Dichloroethane	1.6	U	0.42	1.6
Heptane	2.7		0.30	1.6
Trichloroethene	7.4		0.24	0.32
Methyl methacrylate	4.0	U	0.77	4.0
1,2-Dichloropropane	1.6	U	0.28	1.6
1,4-Dioxane	40	U	1.3	40
Bromodichloromethane	1.6	U	0.23	1.6
cis-1,3-Dichloropropene	1.6	U	0.23	1.6
methyl isobutyl ketone	4.0	U	1.4	4.0
Toluene	1.6	U	0.20	1.6
trans-1,3-Dichloropropene	1.6	U	0.21	1.6
1,1,2-Trichloroethane	1.6	U	0.30	1.6
Tetrachloroethene	180		0.24	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-1**

Lab Sample ID: 200-24716-1
Client Matrix: Air

Date Sampled: 10/09/2014 1427
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_06.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	10/15/2014 1525			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1525			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	4.0	U	1.4	4.0
Dibromochloromethane	1.6	U	0.16	1.6
1,2-Dibromoethane	1.6	U	0.14	1.6
Chlorobenzene	1.6	U	0.14	1.6
Ethylbenzene	1.6	U	0.16	1.6
m,p-Xylene	4.0	U	0.20	4.0
Xylene, o-	1.6	U	0.14	1.6
Xylene (total)	1.6	U	0.33	1.6
Styrene	1.6	U	0.13	1.6
Bromoform	1.6	U	0.20	1.6
1,1,2,2-Tetrachloroethane	1.6	U	0.27	1.6
n-Propylbenzene	1.6	U	0.22	1.6
4-Ethyltoluene	1.6	U	0.16	1.6
1,3,5-Trimethylbenzene	1.6	U	0.15	1.6
2-Chlorotoluene	1.6	U	0.25	1.6
tert-Butylbenzene	1.6	U	0.16	1.6
1,2,4-Trimethylbenzene	1.6	U	0.13	1.6
sec-Butylbenzene	1.6	U	0.17	1.6
4-Isopropyltoluene	1.6	U	0.16	1.6
1,3-Dichlorobenzene	1.6	U	0.16	1.6
1,4-Dichlorobenzene	1.6	U	0.15	1.6
Benzyl chloride	1.6	U	0.14	1.6
n-Butylbenzene	1.6	U	0.22	1.6
1,2-Dichlorobenzene	1.6	U	0.14	1.6
1,2,4-Trichlorobenzene	4.0	U	0.27	4.0
Hexachloro-1,3-butadiene	1.6	U	0.29	1.6
Naphthalene	4.0	U	0.24	4.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	17	J	2.2	20
Freon 22	14	U	2.3	14
Freon-114	11	U	2.9	11
Chloromethane	8.3	U	0.99	8.3
n-Butane	9.5	U	3.4	9.5
Vinyl chloride	0.82	U	0.53	0.82
1,3-Butadiene	3.5	U	0.64	3.5
Bromomethane	6.2	U	1.4	6.2
Chloroethane	11	U	1.3	11
Vinyl bromide	7.0	U	0.70	7.0
Freon 11	9.0	U	2.0	9.0
Freon 113	12	U	2.5	12
1,1-Dichloroethene	6.3	U	0.32	6.3
Acetone	95	U	13	95
Isopropyl alcohol	17	J	2.9	98
Carbon disulfide	12	U	0.75	12
Allyl chloride	13	U	4.0	13

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-1**

Lab Sample ID: 200-24716-1
Client Matrix: Air

Date Sampled: 10/09/2014 1427
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_06.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	10/15/2014 1525			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1525			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	7.7	J	3.3	14
tert-Butyl alcohol	120	U	2.9	120
Methyl tert-butyl ether	5.8	U	0.63	5.8
trans-1,2-Dichloroethene	6.3	U	0.86	6.3
Hexane	5.6	U	0.79	5.6
1,1-Dichloroethane	6.5	U	0.91	6.5
Methyl Ethyl Ketone	12	U	2.2	12
cis-1,2-Dichloroethene	10		0.95	6.3
1,2-Dichloroethene, Total	10		1.7	6.3
Chloroform	7.8	U	1.5	7.8
Tetrahydrofuran	120	U	4.2	120
1,1,1-Trichloroethane	8.7	U	1.3	8.7
Cyclohexane	5.5	U	0.28	5.5
Carbon tetrachloride	2.0	U	0.55	2.0
2,2,4-Trimethylpentane	7.5	U	0.86	7.5
Benzene	5.1	U	0.74	5.1
1,2-Dichloroethane	6.5	U	1.7	6.5
Heptane	11		1.2	6.6
Trichloroethene	40		1.3	1.7
Methyl methacrylate	16	U	3.1	16
1,2-Dichloropropane	7.4	U	1.3	7.4
1,4-Dioxane	140	U	4.6	140
Bromodichloromethane	11	U	1.6	11
cis-1,3-Dichloropropene	7.3	U	1.1	7.3
methyl isobutyl ketone	16	U	5.9	16
Toluene	6.0	U	0.75	6.0
trans-1,3-Dichloropropene	7.3	U	0.94	7.3
1,1,2-Trichloroethane	8.7	U	1.6	8.7
Tetrachloroethene	1200		1.6	11
Methyl Butyl Ketone (2-Hexanone)	16	U	5.6	16
Dibromochloromethane	14	U	1.4	14
1,2-Dibromoethane	12	U	1.1	12
Chlorobenzene	7.4	U	0.66	7.4
Ethylbenzene	6.9	U	0.69	6.9
m,p-Xylene	17	U	0.87	17
Xylene, o-	6.9	U	0.63	6.9
Xylene (total)	6.9	U	1.4	6.9
Styrene	6.8	U	0.55	6.8
Bromoform	17	U	2.1	17
1,1,2,2-Tetrachloroethane	11	U	1.9	11
n-Propylbenzene	7.9	U	1.1	7.9
4-Ethyltoluene	7.9	U	0.79	7.9
1,3,5-Trimethylbenzene	7.9	U	0.75	7.9
2-Chlorotoluene	8.3	U	1.3	8.3
tert-Butylbenzene	8.8	U	0.88	8.8
1,2,4-Trimethylbenzene	7.9	U	0.63	7.9

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-1**

Lab Sample ID: 200-24716-1
Client Matrix: Air

Date Sampled: 10/09/2014 1427
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_06.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	10/15/2014 1525			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1525			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	8.8	U	0.92	8.8
4-Isopropyltoluene	8.8	U	0.88	8.8
1,3-Dichlorobenzene	9.6	U	0.96	9.6
1,4-Dichlorobenzene	9.6	U	0.91	9.6
Benzyl chloride	8.3	U	0.75	8.3
n-Butylbenzene	8.8	U	1.2	8.8
1,2-Dichlorobenzene	9.6	U	0.87	9.6
1,2,4-Trichlorobenzene	30	U	2.0	30
Hexachloro-1,3-butadiene	17	U	3.1	17
Naphthalene	21	U	1.3	21

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-2**

Lab Sample ID: 200-24716-2
Client Matrix: Air

Date Sampled: 10/09/2014 1420
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_07.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	10/15/2014 1617			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1617			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	7.9		0.28	2.5
Freon 22	0.41	J	0.40	2.5
Freon-114	1.0	U	0.26	1.0
Chloromethane	2.5	U	0.30	2.5
n-Butane	2.5	U	0.90	2.5
Vinyl chloride	0.20	U	0.13	0.20
1,3-Butadiene	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.22	1.0
Chloroethane	2.5	U	0.31	2.5
Vinyl bromide	1.0	U	0.10	1.0
Freon 11	1.0	U	0.23	1.0
Freon 113	1.0	U	0.21	1.0
1,1-Dichloroethene	1.0	U	0.050	1.0
Acetone	25	U	3.5	25
Isopropyl alcohol	95		0.75	25
Carbon disulfide	2.5	U	0.15	2.5
Allyl chloride	2.5	U	0.80	2.5
Methylene Chloride	3.2		0.60	2.5
tert-Butyl alcohol	25	U	0.60	25
Methyl tert-butyl ether	1.0	U	0.11	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
Hexane	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.14	1.0
Methyl Ethyl Ketone	2.5	U	0.46	2.5
cis-1,2-Dichloroethene	1.0	U	0.15	1.0
1,2-Dichloroethene, Total	1.0	U	0.27	1.0
Chloroform	1.0	U	0.19	1.0
Tetrahydrofuran	25	U	0.90	25
1,1,1-Trichloroethane	1.7		0.15	1.0
Cyclohexane	0.55	J	0.050	1.0
Carbon tetrachloride	0.20	U	0.055	0.20
2,2,4-Trimethylpentane	1.0	U	0.12	1.0
Benzene	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.26	1.0
Heptane	1.0	U	0.19	1.0
Trichloroethene	3.5		0.15	0.20
Methyl methacrylate	2.5	U	0.48	2.5
1,2-Dichloropropane	1.0	U	0.18	1.0
1,4-Dioxane	25	U	0.80	25
Bromodichloromethane	1.0	U	0.15	1.0
cis-1,3-Dichloropropene	1.0	U	0.15	1.0
methyl isobutyl ketone	2.5	U	0.90	2.5
Toluene	0.19	J	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.13	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
Tetrachloroethene	7.7		0.15	1.0

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-2**

Lab Sample ID: 200-24716-2
Client Matrix: Air

Date Sampled: 10/09/2014 1420
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_07.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	10/15/2014 1617			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1617			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	2.5	U	0.85	2.5
Dibromochloromethane	1.0	U	0.10	1.0
1,2-Dibromoethane	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.090	1.0
Ethylbenzene	1.0	U	0.10	1.0
m,p-Xylene	2.5	U	0.13	2.5
Xylene, o-	1.0	U	0.090	1.0
Xylene (total)	1.0	U	0.21	1.0
Styrene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.13	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.17	1.0
n-Propylbenzene	1.0	U	0.14	1.0
4-Ethyltoluene	1.0	U	0.10	1.0
1,3,5-Trimethylbenzene	1.0	U	0.095	1.0
2-Chlorotoluene	1.0	U	0.16	1.0
tert-Butylbenzene	1.0	U	0.10	1.0
1,2,4-Trimethylbenzene	1.0	U	0.080	1.0
sec-Butylbenzene	1.0	U	0.11	1.0
4-Isopropyltoluene	1.0	U	0.10	1.0
1,3-Dichlorobenzene	1.0	U	0.10	1.0
1,4-Dichlorobenzene	1.0	U	0.095	1.0
Benzyl chloride	1.0	U	0.090	1.0
n-Butylbenzene	1.0	U	0.14	1.0
1,2-Dichlorobenzene	1.0	U	0.090	1.0
1,2,4-Trichlorobenzene	2.5	U	0.17	2.5
Hexachloro-1,3-butadiene	1.0	U	0.18	1.0
Naphthalene	2.5	U	0.15	2.5

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	39		1.4	12
Freon 22	1.4	J	1.4	8.8
Freon-114	7.0	U	1.8	7.0
Chloromethane	5.2	U	0.62	5.2
n-Butane	5.9	U	2.1	5.9
Vinyl chloride	0.51	U	0.33	0.51
1,3-Butadiene	2.2	U	0.40	2.2
Bromomethane	3.9	U	0.85	3.9
Chloroethane	6.6	U	0.80	6.6
Vinyl bromide	4.4	U	0.44	4.4
Freon 11	5.6	U	1.3	5.6
Freon 113	7.7	U	1.6	7.7
1,1-Dichloroethene	4.0	U	0.20	4.0
Acetone	59	U	8.2	59
Isopropyl alcohol	230		1.8	61
Carbon disulfide	7.8	U	0.47	7.8
Allyl chloride	7.8	U	2.5	7.8

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-2**

Lab Sample ID: 200-24716-2
Client Matrix: Air

Date Sampled: 10/09/2014 1420
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_07.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	10/15/2014 1617			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1617			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	11		2.1	8.7
tert-Butyl alcohol	76	U	1.8	76
Methyl tert-butyl ether	3.6	U	0.40	3.6
trans-1,2-Dichloroethene	4.0	U	0.54	4.0
Hexane	3.5	U	0.49	3.5
1,1-Dichloroethane	4.0	U	0.57	4.0
Methyl Ethyl Ketone	7.4	U	1.4	7.4
cis-1,2-Dichloroethene	4.0	U	0.59	4.0
1,2-Dichloroethene, Total	4.0	U	1.1	4.0
Chloroform	4.9	U	0.93	4.9
Tetrahydrofuran	74	U	2.7	74
1,1,1-Trichloroethane	9.3		0.82	5.5
Cyclohexane	1.9	J	0.17	3.4
Carbon tetrachloride	1.3	U	0.35	1.3
2,2,4-Trimethylpentane	4.7	U	0.54	4.7
Benzene	3.2	U	0.46	3.2
1,2-Dichloroethane	4.0	U	1.1	4.0
Heptane	4.1	U	0.76	4.1
Trichloroethene	19		0.81	1.1
Methyl methacrylate	10	U	2.0	10
1,2-Dichloropropane	4.6	U	0.81	4.6
1,4-Dioxane	90	U	2.9	90
Bromodichloromethane	6.7	U	0.97	6.7
cis-1,3-Dichloropropene	4.5	U	0.66	4.5
methyl isobutyl ketone	10	U	3.7	10
Toluene	0.72	J	0.47	3.8
trans-1,3-Dichloropropene	4.5	U	0.59	4.5
1,1,2-Trichloroethane	5.5	U	1.0	5.5
Tetrachloroethene	52		1.0	6.8
Methyl Butyl Ketone (2-Hexanone)	10	U	3.5	10
Dibromochloromethane	8.5	U	0.85	8.5
1,2-Dibromoethane	7.7	U	0.69	7.7
Chlorobenzene	4.6	U	0.41	4.6
Ethylbenzene	4.3	U	0.43	4.3
m,p-Xylene	11	U	0.54	11
Xylene, o-	4.3	U	0.39	4.3
Xylene (total)	4.3	U	0.89	4.3
Styrene	4.3	U	0.34	4.3
Bromoform	10	U	1.3	10
1,1,2,2-Tetrachloroethane	6.9	U	1.2	6.9
n-Propylbenzene	4.9	U	0.66	4.9
4-Ethyltoluene	4.9	U	0.49	4.9
1,3,5-Trimethylbenzene	4.9	U	0.47	4.9
2-Chlorotoluene	5.2	U	0.80	5.2
tert-Butylbenzene	5.5	U	0.55	5.5
1,2,4-Trimethylbenzene	4.9	U	0.39	4.9

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-2**

Lab Sample ID: 200-24716-2
Client Matrix: Air

Date Sampled: 10/09/2014 1420
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_07.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	10/15/2014 1617			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1617			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	5.5	U	0.58	5.5
4-Isopropyltoluene	5.5	U	0.55	5.5
1,3-Dichlorobenzene	6.0	U	0.60	6.0
1,4-Dichlorobenzene	6.0	U	0.57	6.0
Benzyl chloride	5.2	U	0.47	5.2
n-Butylbenzene	5.5	U	0.77	5.5
1,2-Dichlorobenzene	6.0	U	0.54	6.0
1,2,4-Trichlorobenzene	19	U	1.3	19
Hexachloro-1,3-butadiene	11	U	1.9	11
Naphthalene	13	U	0.79	13

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-3**

Lab Sample ID: 200-24716-3
Client Matrix: Air

Date Sampled: 10/09/2014 1440
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_08.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 1709			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1709			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.56		0.056	0.50
Freon 22	0.72		0.080	0.50
Freon-114	0.20	U	0.052	0.20
Chloromethane	0.50	U	0.060	0.50
n-Butane	0.84		0.18	0.50
Vinyl chloride	0.040	U	0.026	0.040
1,3-Butadiene	0.20	U	0.036	0.20
Bromomethane	0.20	U	0.044	0.20
Chloroethane	0.50	U	0.061	0.50
Vinyl bromide	0.20	U	0.020	0.20
Freon 11	0.28		0.045	0.20
Freon 113	0.14	J	0.041	0.20
1,1-Dichloroethene	0.20	U	0.010	0.20
Acetone	6.0		0.69	5.0
Isopropyl alcohol	30		0.15	5.0
Carbon disulfide	1.3		0.030	0.50
Allyl chloride	0.50	U	0.16	0.50
Methylene Chloride	16		0.12	0.50
tert-Butyl alcohol	5.0	U	0.12	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.027	0.20
Hexane	0.093	J	0.028	0.20
1,1-Dichloroethane	0.035	J	0.028	0.20
Methyl Ethyl Ketone	0.50	U	0.092	0.50
cis-1,2-Dichloroethene	0.14	J	0.030	0.20
1,2-Dichloroethene, Total	0.14	J	0.053	0.20
Chloroform	0.19	J	0.038	0.20
Tetrahydrofuran	5.0	U	0.18	5.0
1,1,1-Trichloroethane	0.20	U	0.030	0.20
Cyclohexane	0.42		0.010	0.20
Carbon tetrachloride	0.055		0.011	0.040
2,2,4-Trimethylpentane	0.20	U	0.023	0.20
Benzene	0.20	U	0.029	0.20
1,2-Dichloroethane	0.20	U	0.052	0.20
Heptane	0.20	U	0.037	0.20
Trichloroethene	1.4		0.030	0.040
Methyl methacrylate	0.50	U	0.096	0.50
1,2-Dichloropropane	0.20	U	0.035	0.20
1,4-Dioxane	5.0	U	0.16	5.0
Bromodichloromethane	0.20	U	0.029	0.20
cis-1,3-Dichloropropene	0.20	U	0.029	0.20
methyl isobutyl ketone	0.50	U	0.18	0.50
Toluene	0.20	U	0.025	0.20
trans-1,3-Dichloropropene	0.20	U	0.026	0.20
1,1,2-Trichloroethane	0.20	U	0.037	0.20
Tetrachloroethene	0.16	J	0.030	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-3**

Lab Sample ID: 200-24716-3
Client Matrix: Air

Date Sampled: 10/09/2014 1440
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_08.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 1709			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1709			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.17	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.018	0.20
Chlorobenzene	0.20	U	0.018	0.20
Ethylbenzene	0.20	U	0.020	0.20
m,p-Xylene	0.50	U	0.025	0.50
Xylene, o-	0.20	U	0.018	0.20
Xylene (total)	0.20	U	0.041	0.20
Styrene	0.20	U	0.016	0.20
Bromoform	0.20	U	0.025	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.034	0.20
n-Propylbenzene	0.20	U	0.027	0.20
4-Ethyltoluene	0.20	U	0.020	0.20
1,3,5-Trimethylbenzene	0.20	U	0.019	0.20
2-Chlorotoluene	0.20	U	0.031	0.20
tert-Butylbenzene	0.20	U	0.020	0.20
1,2,4-Trimethylbenzene	0.20	U	0.016	0.20
sec-Butylbenzene	0.20	U	0.021	0.20
4-Isopropyltoluene	0.20	U	0.020	0.20
1,3-Dichlorobenzene	0.20	U	0.020	0.20
1,4-Dichlorobenzene	0.20	U	0.019	0.20
Benzyl chloride	0.20	U	0.018	0.20
n-Butylbenzene	0.20	U	0.028	0.20
1,2-Dichlorobenzene	0.20	U	0.018	0.20
1,2,4-Trichlorobenzene	0.50	U	0.034	0.50
Hexachloro-1,3-butadiene	0.20	U	0.036	0.20
Naphthalene	0.50	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.8		0.28	2.5
Freon 22	2.5		0.28	1.8
Freon-114	1.4	U	0.36	1.4
Chloromethane	1.0	U	0.12	1.0
n-Butane	2.0		0.43	1.2
Vinyl chloride	0.10	U	0.066	0.10
1,3-Butadiene	0.44	U	0.080	0.44
Bromomethane	0.78	U	0.17	0.78
Chloroethane	1.3	U	0.16	1.3
Vinyl bromide	0.87	U	0.087	0.87
Freon 11	1.6		0.25	1.1
Freon 113	1.1	J	0.31	1.5
1,1-Dichloroethene	0.79	U	0.040	0.79
Acetone	14		1.6	12
Isopropyl alcohol	73		0.37	12
Carbon disulfide	4.1		0.093	1.6
Allyl chloride	1.6	U	0.50	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-3**

Lab Sample ID: 200-24716-3
Client Matrix: Air

Date Sampled: 10/09/2014 1440
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_08.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 1709			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1709			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	54		0.42	1.7
tert-Butyl alcohol	15	U	0.36	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.33	J	0.099	0.70
1,1-Dichloroethane	0.14	J	0.11	0.81
Methyl Ethyl Ketone	1.5	U	0.27	1.5
cis-1,2-Dichloroethene	0.55	J	0.12	0.79
1,2-Dichloroethene, Total	0.56	J	0.21	0.79
Chloroform	0.94	J	0.19	0.98
Tetrahydrofuran	15	U	0.53	15
1,1,1-Trichloroethane	1.1	U	0.16	1.1
Cyclohexane	1.4		0.034	0.69
Carbon tetrachloride	0.35		0.069	0.25
2,2,4-Trimethylpentane	0.93	U	0.11	0.93
Benzene	0.64	U	0.093	0.64
1,2-Dichloroethane	0.81	U	0.21	0.81
Heptane	0.82	U	0.15	0.82
Trichloroethene	7.8		0.16	0.21
Methyl methacrylate	2.0	U	0.39	2.0
1,2-Dichloropropane	0.92	U	0.16	0.92
1,4-Dioxane	18	U	0.58	18
Bromodichloromethane	1.3	U	0.19	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.74	2.0
Toluene	0.75	U	0.094	0.75
trans-1,3-Dichloropropene	0.91	U	0.12	0.91
1,1,2-Trichloroethane	1.1	U	0.20	1.1
Tetrachloroethene	1.1	J	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.70	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.14	1.5
Chlorobenzene	0.92	U	0.083	0.92
Ethylbenzene	0.87	U	0.087	0.87
m,p-Xylene	2.2	U	0.11	2.2
Xylene, o-	0.87	U	0.078	0.87
Xylene (total)	0.87	U	0.18	0.87
Styrene	0.85	U	0.068	0.85
Bromoform	2.1	U	0.26	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.23	1.4
n-Propylbenzene	0.98	U	0.13	0.98
4-Ethyltoluene	0.98	U	0.098	0.98
1,3,5-Trimethylbenzene	0.98	U	0.093	0.98
2-Chlorotoluene	1.0	U	0.16	1.0
tert-Butylbenzene	1.1	U	0.11	1.1
1,2,4-Trimethylbenzene	0.98	U	0.079	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-3**

Lab Sample ID: 200-24716-3
Client Matrix: Air

Date Sampled: 10/09/2014 1440
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_08.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 1709			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1709			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.12	1.1
4-Isopropyltoluene	1.1	U	0.11	1.1
1,3-Dichlorobenzene	1.2	U	0.12	1.2
1,4-Dichlorobenzene	1.2	U	0.11	1.2
Benzyl chloride	1.0	U	0.093	1.0
n-Butylbenzene	1.1	U	0.15	1.1
1,2-Dichlorobenzene	1.2	U	0.11	1.2
1,2,4-Trichlorobenzene	3.7	U	0.25	3.7
Hexachloro-1,3-butadiene	2.1	U	0.38	2.1
Naphthalene	2.6	U	0.16	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-4**

Lab Sample ID: 200-24716-4
Client Matrix: Air

Date Sampled: 10/09/2014 1432
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_09.D
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/15/2014 1801			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1801			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.54	J	0.11	1.0
Freon 22	0.55	J	0.16	1.0
Freon-114	0.40	U	0.10	0.40
Chloromethane	1.0	U	0.12	1.0
n-Butane	1.0	U	0.36	1.0
Vinyl chloride	0.080	U	0.052	0.080
1,3-Butadiene	0.40	U	0.072	0.40
Bromomethane	0.40	U	0.088	0.40
Chloroethane	1.0	U	0.12	1.0
Vinyl bromide	0.40	U	0.040	0.40
Freon 11	0.29	J	0.090	0.40
Freon 113	0.13	J	0.082	0.40
1,1-Dichloroethene	0.40	U	0.020	0.40
Acetone	5.7	J	1.4	10
Isopropyl alcohol	47		0.30	10
Carbon disulfide	1.0	U	0.060	1.0
Allyl chloride	1.0	U	0.32	1.0
Methylene Chloride	9.9		0.24	1.0
tert-Butyl alcohol	10	U	0.24	10
Methyl tert-butyl ether	0.40	U	0.044	0.40
trans-1,2-Dichloroethene	0.40	U	0.054	0.40
Hexane	0.32	J	0.056	0.40
1,1-Dichloroethane	0.40	U	0.056	0.40
Methyl Ethyl Ketone	1.0	U	0.18	1.0
cis-1,2-Dichloroethene	0.47		0.060	0.40
1,2-Dichloroethene, Total	0.47		0.11	0.40
Chloroform	0.40	U	0.076	0.40
Tetrahydrofuran	10	U	0.36	10
1,1,1-Trichloroethane	0.40	U	0.060	0.40
Cyclohexane	1.3		0.020	0.40
Carbon tetrachloride	0.079	J	0.022	0.080
2,2,4-Trimethylpentane	0.40	U	0.046	0.40
Benzene	0.12	J	0.058	0.40
1,2-Dichloroethane	0.40	U	0.10	0.40
Heptane	7.1		0.074	0.40
Trichloroethene	2.1		0.060	0.080
Methyl methacrylate	1.0	U	0.19	1.0
1,2-Dichloropropane	0.40	U	0.070	0.40
1,4-Dioxane	0.48	J	0.32	10
Bromodichloromethane	0.40	U	0.058	0.40
cis-1,3-Dichloropropene	0.40	U	0.058	0.40
methyl isobutyl ketone	1.0	U	0.36	1.0
Toluene	0.55		0.050	0.40
trans-1,3-Dichloropropene	0.40	U	0.052	0.40
1,1,2-Trichloroethane	0.40	U	0.074	0.40
Tetrachloroethene	29		0.060	0.40

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-4**

Lab Sample ID: 200-24716-4
Client Matrix: Air

Date Sampled: 10/09/2014 1432
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_09.D
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/15/2014 1801			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1801			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.0	U	0.34	1.0
Dibromochloromethane	0.40	U	0.040	0.40
1,2-Dibromoethane	0.40	U	0.036	0.40
Chlorobenzene	0.40	U	0.036	0.40
Ethylbenzene	0.34	J	0.040	0.40
m,p-Xylene	0.90	J	0.050	1.0
Xylene, o-	0.83		0.036	0.40
Xylene (total)	1.7		0.082	0.40
Styrene	0.20	J	0.032	0.40
Bromoform	0.40	U	0.050	0.40
1,1,2,2-Tetrachloroethane	0.40	U	0.068	0.40
n-Propylbenzene	0.40	U	0.054	0.40
4-Ethyltoluene	0.15	J	0.040	0.40
1,3,5-Trimethylbenzene	0.48		0.038	0.40
2-Chlorotoluene	0.40	U	0.062	0.40
tert-Butylbenzene	0.40	U	0.040	0.40
1,2,4-Trimethylbenzene	0.65		0.032	0.40
sec-Butylbenzene	0.40	U	0.042	0.40
4-Isopropyltoluene	0.17	J	0.040	0.40
1,3-Dichlorobenzene	0.40	U	0.040	0.40
1,4-Dichlorobenzene	0.40	U	0.038	0.40
Benzyl chloride	0.40	U	0.036	0.40
n-Butylbenzene	0.40	U	0.056	0.40
1,2-Dichlorobenzene	0.40	U	0.036	0.40
1,2,4-Trichlorobenzene	1.0	U	0.068	1.0
Hexachloro-1,3-butadiene	0.40	U	0.072	0.40
Naphthalene	1.0	U	0.060	1.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.7	J	0.55	4.9
Freon 22	2.0	J	0.57	3.5
Freon-114	2.8	U	0.73	2.8
Chloromethane	2.1	U	0.25	2.1
n-Butane	2.4	U	0.86	2.4
Vinyl chloride	0.20	U	0.13	0.20
1,3-Butadiene	0.88	U	0.16	0.88
Bromomethane	1.6	U	0.34	1.6
Chloroethane	2.6	U	0.32	2.6
Vinyl bromide	1.7	U	0.17	1.7
Freon 11	1.6	J	0.51	2.2
Freon 113	0.96	J	0.63	3.1
1,1-Dichloroethene	1.6	U	0.079	1.6
Acetone	14	J	3.3	24
Isopropyl alcohol	120		0.74	25
Carbon disulfide	3.1	U	0.19	3.1
Allyl chloride	3.1	U	1.0	3.1

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-4**

Lab Sample ID: 200-24716-4
Client Matrix: Air

Date Sampled: 10/09/2014 1432
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_09.D
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/15/2014 1801			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1801			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	35		0.83	3.5
tert-Butyl alcohol	30	U	0.73	30
Methyl tert-butyl ether	1.4	U	0.16	1.4
trans-1,2-Dichloroethene	1.6	U	0.21	1.6
Hexane	1.1	J	0.20	1.4
1,1-Dichloroethane	1.6	U	0.23	1.6
Methyl Ethyl Ketone	2.9	U	0.54	2.9
cis-1,2-Dichloroethene	1.9		0.24	1.6
1,2-Dichloroethene, Total	1.9		0.42	1.6
Chloroform	2.0	U	0.37	2.0
Tetrahydrofuran	29	U	1.1	29
1,1,1-Trichloroethane	2.2	U	0.33	2.2
Cyclohexane	4.4		0.069	1.4
Carbon tetrachloride	0.50	J	0.14	0.50
2,2,4-Trimethylpentane	1.9	U	0.21	1.9
Benzene	0.37	J	0.19	1.3
1,2-Dichloroethane	1.6	U	0.42	1.6
Heptane	29		0.30	1.6
Trichloroethene	12		0.32	0.43
Methyl methacrylate	4.1	U	0.79	4.1
1,2-Dichloropropane	1.8	U	0.32	1.8
1,4-Dioxane	1.7	J	1.2	36
Bromodichloromethane	2.7	U	0.39	2.7
cis-1,3-Dichloropropene	1.8	U	0.26	1.8
methyl isobutyl ketone	4.1	U	1.5	4.1
Toluene	2.1		0.19	1.5
trans-1,3-Dichloropropene	1.8	U	0.24	1.8
1,1,2-Trichloroethane	2.2	U	0.40	2.2
Tetrachloroethene	190		0.41	2.7
Methyl Butyl Ketone (2-Hexanone)	4.1	U	1.4	4.1
Dibromochloromethane	3.4	U	0.34	3.4
1,2-Dibromoethane	3.1	U	0.28	3.1
Chlorobenzene	1.8	U	0.17	1.8
Ethylbenzene	1.5	J	0.17	1.7
m,p-Xylene	3.9	J	0.22	4.3
Xylene, o-	3.6		0.16	1.7
Xylene (total)	7.5		0.36	1.7
Styrene	0.85	J	0.14	1.7
Bromoform	4.1	U	0.52	4.1
1,1,2,2-Tetrachloroethane	2.7	U	0.47	2.7
n-Propylbenzene	2.0	U	0.27	2.0
4-Ethyltoluene	0.74	J	0.20	2.0
1,3,5-Trimethylbenzene	2.3		0.19	2.0
2-Chlorotoluene	2.1	U	0.32	2.1
tert-Butylbenzene	2.2	U	0.22	2.2
1,2,4-Trimethylbenzene	3.2		0.16	2.0

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-4**

Lab Sample ID: 200-24716-4
Client Matrix: Air

Date Sampled: 10/09/2014 1432
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_09.D
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/15/2014 1801			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1801			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	2.2	U	0.23	2.2
4-Isopropyltoluene	0.95	J	0.22	2.2
1,3-Dichlorobenzene	2.4	U	0.24	2.4
1,4-Dichlorobenzene	2.4	U	0.23	2.4
Benzyl chloride	2.1	U	0.19	2.1
n-Butylbenzene	2.2	U	0.31	2.2
1,2-Dichlorobenzene	2.4	U	0.22	2.4
1,2,4-Trichlorobenzene	7.4	U	0.50	7.4
Hexachloro-1,3-butadiene	4.3	U	0.77	4.3
Naphthalene	5.2	U	0.31	5.2

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-5**

Lab Sample ID: 200-24716-5
Client Matrix: Air

Date Sampled: 10/09/2014 1141
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_10.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	10/15/2014 1853			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1853			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	4.0	U	0.45	4.0
Freon 22	1.4	J	0.64	4.0
Freon-114	1.6	U	0.42	1.6
Chloromethane	4.0	U	0.48	4.0
n-Butane	4.0	U	1.4	4.0
Vinyl chloride	0.32	U	0.21	0.32
1,3-Butadiene	1.6	U	0.29	1.6
Bromomethane	1.6	U	0.35	1.6
Chloroethane	4.0	U	0.49	4.0
Vinyl bromide	1.6	U	0.16	1.6
Freon 11	1.6	U	0.36	1.6
Freon 113	1.6	U	0.33	1.6
1,1-Dichloroethene	1.6	U	0.080	1.6
Acetone	40	U	5.5	40
Isopropyl alcohol	170		1.2	40
Carbon disulfide	4.0	U	0.24	4.0
Allyl chloride	4.0	U	1.3	4.0
Methylene Chloride	62		0.96	4.0
tert-Butyl alcohol	40	U	0.96	40
Methyl tert-butyl ether	1.6	U	0.18	1.6
trans-1,2-Dichloroethene	1.6	U	0.22	1.6
Hexane	0.71	J	0.22	1.6
1,1-Dichloroethane	1.6	U	0.22	1.6
Methyl Ethyl Ketone	4.0	U	0.74	4.0
cis-1,2-Dichloroethene	1.6	U	0.24	1.6
1,2-Dichloroethene, Total	1.6	U	0.42	1.6
Chloroform	1.6	U	0.30	1.6
Tetrahydrofuran	40	U	1.4	40
1,1,1-Trichloroethane	1.6	U	0.24	1.6
Cyclohexane	1.1	J	0.080	1.6
Carbon tetrachloride	0.32	U	0.088	0.32
2,2,4-Trimethylpentane	1.6	U	0.18	1.6
Benzene	1.6	U	0.23	1.6
1,2-Dichloroethane	1.6	U	0.42	1.6
Heptane	1.6	U	0.30	1.6
Trichloroethene	1.7		0.24	0.32
Methyl methacrylate	4.0	U	0.77	4.0
1,2-Dichloropropane	1.6	U	0.28	1.6
1,4-Dioxane	40	U	1.3	40
Bromodichloromethane	1.6	U	0.23	1.6
cis-1,3-Dichloropropene	1.6	U	0.23	1.6
methyl isobutyl ketone	4.0	U	1.4	4.0
Toluene	0.83	J	0.20	1.6
trans-1,3-Dichloropropene	1.6	U	0.21	1.6
1,1,2-Trichloroethane	1.6	U	0.30	1.6
Tetrachloroethene	0.74	J	0.24	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-5**

Lab Sample ID: 200-24716-5
Client Matrix: Air

Date Sampled: 10/09/2014 1141
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_10.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	10/15/2014 1853			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1853			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	4.0	U	1.4	4.0
Dibromochloromethane	1.6	U	0.16	1.6
1,2-Dibromoethane	1.6	U	0.14	1.6
Chlorobenzene	1.6	U	0.14	1.6
Ethylbenzene	0.27	J	0.16	1.6
m,p-Xylene	0.87	J	0.20	4.0
Xylene, o-	0.24	J	0.14	1.6
Xylene (total)	1.1	J	0.33	1.6
Styrene	1.6	U	0.13	1.6
Bromoform	1.6	U	0.20	1.6
1,1,2,2-Tetrachloroethane	1.6	U	0.27	1.6
n-Propylbenzene	1.6	U	0.22	1.6
4-Ethyltoluene	1.6	U	0.16	1.6
1,3,5-Trimethylbenzene	1.6	U	0.15	1.6
2-Chlorotoluene	1.6	U	0.25	1.6
tert-Butylbenzene	1.6	U	0.16	1.6
1,2,4-Trimethylbenzene	1.6	U	0.13	1.6
sec-Butylbenzene	1.6	U	0.17	1.6
4-Isopropyltoluene	1.6	U	0.16	1.6
1,3-Dichlorobenzene	1.6	U	0.16	1.6
1,4-Dichlorobenzene	1.6	U	0.15	1.6
Benzyl chloride	1.6	U	0.14	1.6
n-Butylbenzene	1.6	U	0.22	1.6
1,2-Dichlorobenzene	1.6	U	0.14	1.6
1,2,4-Trichlorobenzene	4.0	U	0.27	4.0
Hexachloro-1,3-butadiene	1.6	U	0.29	1.6
Naphthalene	4.0	U	0.24	4.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	20	U	2.2	20
Freon 22	5.0	J	2.3	14
Freon-114	11	U	2.9	11
Chloromethane	8.3	U	0.99	8.3
n-Butane	9.5	U	3.4	9.5
Vinyl chloride	0.82	U	0.53	0.82
1,3-Butadiene	3.5	U	0.64	3.5
Bromomethane	6.2	U	1.4	6.2
Chloroethane	11	U	1.3	11
Vinyl bromide	7.0	U	0.70	7.0
Freon 11	9.0	U	2.0	9.0
Freon 113	12	U	2.5	12
1,1-Dichloroethene	6.3	U	0.32	6.3
Acetone	95	U	13	95
Isopropyl alcohol	420		2.9	98
Carbon disulfide	12	U	0.75	12
Allyl chloride	13	U	4.0	13

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-5**

Lab Sample ID: 200-24716-5
Client Matrix: Air

Date Sampled: 10/09/2014 1141
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_10.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	10/15/2014 1853			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1853			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	220		3.3	14
tert-Butyl alcohol	120	U	2.9	120
Methyl tert-butyl ether	5.8	U	0.63	5.8
trans-1,2-Dichloroethene	6.3	U	0.86	6.3
Hexane	2.5	J	0.79	5.6
1,1-Dichloroethane	6.5	U	0.91	6.5
Methyl Ethyl Ketone	12	U	2.2	12
cis-1,2-Dichloroethene	6.3	U	0.95	6.3
1,2-Dichloroethene, Total	6.3	U	1.7	6.3
Chloroform	7.8	U	1.5	7.8
Tetrahydrofuran	120	U	4.2	120
1,1,1-Trichloroethane	8.7	U	1.3	8.7
Cyclohexane	3.8	J	0.28	5.5
Carbon tetrachloride	2.0	U	0.55	2.0
2,2,4-Trimethylpentane	7.5	U	0.86	7.5
Benzene	5.1	U	0.74	5.1
1,2-Dichloroethane	6.5	U	1.7	6.5
Heptane	6.6	U	1.2	6.6
Trichloroethene	9.0		1.3	1.7
Methyl methacrylate	16	U	3.1	16
1,2-Dichloropropane	7.4	U	1.3	7.4
1,4-Dioxane	140	U	4.6	140
Bromodichloromethane	11	U	1.6	11
cis-1,3-Dichloropropene	7.3	U	1.1	7.3
methyl isobutyl ketone	16	U	5.9	16
Toluene	3.1	J	0.75	6.0
trans-1,3-Dichloropropene	7.3	U	0.94	7.3
1,1,2-Trichloroethane	8.7	U	1.6	8.7
Tetrachloroethene	5.0	J	1.6	11
Methyl Butyl Ketone (2-Hexanone)	16	U	5.6	16
Dibromochloromethane	14	U	1.4	14
1,2-Dibromoethane	12	U	1.1	12
Chlorobenzene	7.4	U	0.66	7.4
Ethylbenzene	1.2	J	0.69	6.9
m,p-Xylene	3.8	J	0.87	17
Xylene, o-	1.0	J	0.63	6.9
Xylene (total)	4.8	J	1.4	6.9
Styrene	6.8	U	0.55	6.8
Bromoform	17	U	2.1	17
1,1,2,2-Tetrachloroethane	11	U	1.9	11
n-Propylbenzene	7.9	U	1.1	7.9
4-Ethyltoluene	7.9	U	0.79	7.9
1,3,5-Trimethylbenzene	7.9	U	0.75	7.9
2-Chlorotoluene	8.3	U	1.3	8.3
tert-Butylbenzene	8.8	U	0.88	8.8
1,2,4-Trimethylbenzene	7.9	U	0.63	7.9

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-5**

Lab Sample ID: 200-24716-5
Client Matrix: Air

Date Sampled: 10/09/2014 1141
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_10.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	10/15/2014 1853			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1853			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	8.8	U	0.92	8.8
4-Isopropyltoluene	8.8	U	0.88	8.8
1,3-Dichlorobenzene	9.6	U	0.96	9.6
1,4-Dichlorobenzene	9.6	U	0.91	9.6
Benzyl chloride	8.3	U	0.75	8.3
n-Butylbenzene	8.8	U	1.2	8.8
1,2-Dichlorobenzene	9.6	U	0.87	9.6
1,2,4-Trichlorobenzene	30	U	2.0	30
Hexachloro-1,3-butadiene	17	U	3.1	17
Naphthalene	21	U	1.3	21

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-6**

Lab Sample ID: 200-24716-6
Client Matrix: Air

Date Sampled: 10/09/2014 1230
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_11.D
Dilution:	17.2			Initial Weight/Volume:	41 mL
Analysis Date:	10/15/2014 1946			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1946			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	8.6	U	0.96	8.6
Freon 22	1.5	J	1.4	8.6
Freon-114	3.4	U	0.89	3.4
Chloromethane	8.6	U	1.0	8.6
n-Butane	8.6	U	3.1	8.6
Vinyl chloride	0.69	U	0.45	0.69
1,3-Butadiene	3.4	U	0.62	3.4
Bromomethane	3.4	U	0.76	3.4
Chloroethane	8.6	U	1.0	8.6
Vinyl bromide	3.4	U	0.34	3.4
Freon 11	3.4	U	0.77	3.4
Freon 113	3.4	U	0.71	3.4
1,1-Dichloroethene	3.4	U	0.17	3.4
Acetone	86	U	12	86
Isopropyl alcohol	360		2.6	86
Carbon disulfide	8.6	U	0.52	8.6
Allyl chloride	8.6	U	2.8	8.6
Methylene Chloride	64		2.1	8.6
tert-Butyl alcohol	86	U	2.1	86
Methyl tert-butyl ether	3.4	U	0.38	3.4
trans-1,2-Dichloroethene	3.4	U	0.46	3.4
Hexane	3.4	U	0.48	3.4
1,1-Dichloroethane	3.4	U	0.48	3.4
Methyl Ethyl Ketone	8.6	U	1.6	8.6
cis-1,2-Dichloroethene	3.4	U	0.52	3.4
1,2-Dichloroethene, Total	3.4	U	0.91	3.4
Chloroform	3.4	U	0.65	3.4
Tetrahydrofuran	86	U	3.1	86
1,1,1-Trichloroethane	3.4	U	0.52	3.4
Cyclohexane	3.3	J	0.17	3.4
Carbon tetrachloride	0.69	U	0.19	0.69
2,2,4-Trimethylpentane	3.4	U	0.40	3.4
Benzene	3.4	U	0.50	3.4
1,2-Dichloroethane	3.4	U	0.89	3.4
Heptane	3.4	U	0.64	3.4
Trichloroethene	0.69	U	0.52	0.69
Methyl methacrylate	8.6	U	1.7	8.6
1,2-Dichloropropane	3.4	U	0.60	3.4
1,4-Dioxane	86	U	2.8	86
Bromodichloromethane	3.4	U	0.50	3.4
cis-1,3-Dichloropropene	3.4	U	0.50	3.4
methyl isobutyl ketone	8.6	U	3.1	8.6
Toluene	1.9	J	0.43	3.4
trans-1,3-Dichloropropene	3.4	U	0.45	3.4
1,1,2-Trichloroethane	3.4	U	0.64	3.4
Tetrachloroethene	1.2	J	0.52	3.4

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-6**

Lab Sample ID: 200-24716-6
Client Matrix: Air

Date Sampled: 10/09/2014 1230
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_11.D
Dilution:	17.2			Initial Weight/Volume:	41 mL
Analysis Date:	10/15/2014 1946			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1946			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	8.6	U	2.9	8.6
Dibromochloromethane	3.4	U	0.34	3.4
1,2-Dibromoethane	3.4	U	0.31	3.4
Chlorobenzene	3.4	U	0.31	3.4
Ethylbenzene	3.4	U	0.34	3.4
m,p-Xylene	8.6	U	0.43	8.6
Xylene, o-	3.4	U	0.31	3.4
Xylene (total)	3.4	U	0.71	3.4
Styrene	3.4	U	0.28	3.4
Bromoform	3.4	U	0.43	3.4
1,1,2,2-Tetrachloroethane	3.4	U	0.58	3.4
n-Propylbenzene	3.4	U	0.46	3.4
4-Ethyltoluene	3.4	U	0.34	3.4
1,3,5-Trimethylbenzene	3.4	U	0.33	3.4
2-Chlorotoluene	3.4	U	0.53	3.4
tert-Butylbenzene	3.4	U	0.34	3.4
1,2,4-Trimethylbenzene	3.4	U	0.28	3.4
sec-Butylbenzene	3.4	U	0.36	3.4
4-Isopropyltoluene	3.4	U	0.34	3.4
1,3-Dichlorobenzene	3.4	U	0.34	3.4
1,4-Dichlorobenzene	3.4	U	0.33	3.4
Benzyl chloride	3.4	U	0.31	3.4
n-Butylbenzene	3.4	U	0.48	3.4
1,2-Dichlorobenzene	3.4	U	0.31	3.4
1,2,4-Trichlorobenzene	8.6	U	0.58	8.6
Hexachloro-1,3-butadiene	3.4	U	0.62	3.4
Naphthalene	8.6	U	0.52	8.6

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	43	U	4.8	43
Freon 22	5.2	J	4.9	30
Freon-114	24	U	6.3	24
Chloromethane	18	U	2.1	18
n-Butane	20	U	7.4	20
Vinyl chloride	1.8	U	1.1	1.8
1,3-Butadiene	7.6	U	1.4	7.6
Bromomethane	13	U	2.9	13
Chloroethane	23	U	2.8	23
Vinyl bromide	15	U	1.5	15
Freon 11	19	U	4.3	19
Freon 113	26	U	5.4	26
1,1-Dichloroethene	14	U	0.68	14
Acetone	200	U	28	200
Isopropyl alcohol	900		6.3	210
Carbon disulfide	27	U	1.6	27
Allyl chloride	27	U	8.6	27

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-6**

Lab Sample ID: 200-24716-6
Client Matrix: Air

Date Sampled: 10/09/2014 1230
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_11.D
Dilution:	17.2			Initial Weight/Volume:	41 mL
Analysis Date:	10/15/2014 1946			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1946			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	220		7.2	30
tert-Butyl alcohol	260	U	6.3	260
Methyl tert-butyl ether	12	U	1.4	12
trans-1,2-Dichloroethene	14	U	1.8	14
Hexane	12	U	1.7	12
1,1-Dichloroethane	14	U	1.9	14
Methyl Ethyl Ketone	25	U	4.7	25
cis-1,2-Dichloroethene	14	U	2.0	14
1,2-Dichloroethene, Total	14	U	3.6	14
Chloroform	17	U	3.2	17
Tetrahydrofuran	250	U	9.1	250
1,1,1-Trichloroethane	19	U	2.8	19
Cyclohexane	11	J	0.59	12
Carbon tetrachloride	4.3	U	1.2	4.3
2,2,4-Trimethylpentane	16	U	1.8	16
Benzene	11	U	1.6	11
1,2-Dichloroethane	14	U	3.6	14
Heptane	14	U	2.6	14
Trichloroethene	3.7	U	2.8	3.7
Methyl methacrylate	35	U	6.8	35
1,2-Dichloropropane	16	U	2.8	16
1,4-Dioxane	310	U	9.9	310
Bromodichloromethane	23	U	3.3	23
cis-1,3-Dichloropropene	16	U	2.3	16
methyl isobutyl ketone	35	U	13	35
Toluene	7.0	J	1.6	13
trans-1,3-Dichloropropene	16	U	2.0	16
1,1,2-Trichloroethane	19	U	3.5	19
Tetrachloroethene	7.8	J	3.5	23
Methyl Butyl Ketone (2-Hexanone)	35	U	12	35
Dibromochloromethane	29	U	2.9	29
1,2-Dibromoethane	26	U	2.4	26
Chlorobenzene	16	U	1.4	16
Ethylbenzene	15	U	1.5	15
m,p-Xylene	37	U	1.9	37
Xylene, o-	15	U	1.3	15
Xylene (total)	15	U	3.1	15
Styrene	15	U	1.2	15
Bromoform	36	U	4.4	36
1,1,2,2-Tetrachloroethane	24	U	4.0	24
n-Propylbenzene	17	U	2.3	17
4-Ethyltoluene	17	U	1.7	17
1,3,5-Trimethylbenzene	17	U	1.6	17
2-Chlorotoluene	18	U	2.8	18
tert-Butylbenzene	19	U	1.9	19
1,2,4-Trimethylbenzene	17	U	1.4	17

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-6**

Lab Sample ID: 200-24716-6
Client Matrix: Air

Date Sampled: 10/09/2014 1230
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_11.D
Dilution:	17.2			Initial Weight/Volume:	41 mL
Analysis Date:	10/15/2014 1946			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1946			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	19	U	2.0	19
4-Isopropyltoluene	19	U	1.9	19
1,3-Dichlorobenzene	21	U	2.1	21
1,4-Dichlorobenzene	21	U	2.0	21
Benzyl chloride	18	U	1.6	18
n-Butylbenzene	19	U	2.6	19
1,2-Dichlorobenzene	21	U	1.9	21
1,2,4-Trichlorobenzene	64	U	4.3	64
Hexachloro-1,3-butadiene	37	U	6.6	37
Naphthalene	45	U	2.7	45

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-7**

Lab Sample ID: 200-24716-7
Client Matrix: Air

Date Sampled: 10/09/2014 1223
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_12.D
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/15/2014 2038			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 2038			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.59	J	0.22	2.0
Freon 22	2.2		0.32	2.0
Freon-114	0.80	U	0.21	0.80
Chloromethane	2.0	U	0.24	2.0
n-Butane	2.4		0.72	2.0
Vinyl chloride	0.16	U	0.10	0.16
1,3-Butadiene	0.80	U	0.14	0.80
Bromomethane	0.80	U	0.18	0.80
Chloroethane	2.0	U	0.24	2.0
Vinyl bromide	0.80	U	0.080	0.80
Freon 11	0.80	U	0.18	0.80
Freon 113	0.80	U	0.16	0.80
1,1-Dichloroethene	0.80	U	0.040	0.80
Acetone	20	U	2.8	20
Isopropyl alcohol	100		0.60	20
Carbon disulfide	2.0	U	0.12	2.0
Allyl chloride	2.0	U	0.64	2.0
Methylene Chloride	25		0.48	2.0
tert-Butyl alcohol	9.8	J	0.48	20
Methyl tert-butyl ether	0.80	U	0.088	0.80
trans-1,2-Dichloroethene	0.80	U	0.11	0.80
Hexane	0.80	U	0.11	0.80
1,1-Dichloroethane	0.80	U	0.11	0.80
Methyl Ethyl Ketone	2.0	U	0.37	2.0
cis-1,2-Dichloroethene	0.80	U	0.12	0.80
1,2-Dichloroethene, Total	0.80	U	0.21	0.80
Chloroform	0.80	U	0.15	0.80
Tetrahydrofuran	1.5	J	0.72	20
1,1,1-Trichloroethane	0.80	U	0.12	0.80
Cyclohexane	0.57	J	0.040	0.80
Carbon tetrachloride	0.16	U	0.044	0.16
2,2,4-Trimethylpentane	0.80	U	0.092	0.80
Benzene	0.80	U	0.12	0.80
1,2-Dichloroethane	0.80	U	0.21	0.80
Heptane	0.80	U	0.15	0.80
Trichloroethene	0.41		0.12	0.16
Methyl methacrylate	2.0	U	0.38	2.0
1,2-Dichloropropane	0.80	U	0.14	0.80
1,4-Dioxane	20	U	0.64	20
Bromodichloromethane	0.80	U	0.12	0.80
cis-1,3-Dichloropropene	0.80	U	0.12	0.80
methyl isobutyl ketone	2.0	U	0.72	2.0
Toluene	0.48	J	0.10	0.80
trans-1,3-Dichloropropene	0.80	U	0.10	0.80
1,1,2-Trichloroethane	0.80	U	0.15	0.80
Tetrachloroethene	0.25	J	0.12	0.80

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-7**

Lab Sample ID: 200-24716-7
Client Matrix: Air

Date Sampled: 10/09/2014 1223
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_12.D
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/15/2014 2038			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 2038			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.68	2.0
Dibromochloromethane	0.80	U	0.080	0.80
1,2-Dibromoethane	0.80	U	0.072	0.80
Chlorobenzene	0.80	U	0.072	0.80
Ethylbenzene	0.80	U	0.080	0.80
m,p-Xylene	2.0	U	0.10	2.0
Xylene, o-	0.80	U	0.072	0.80
Xylene (total)	0.80	U	0.16	0.80
Styrene	0.80	U	0.064	0.80
Bromoform	0.80	U	0.10	0.80
1,1,2,2-Tetrachloroethane	0.80	U	0.14	0.80
n-Propylbenzene	0.80	U	0.11	0.80
4-Ethyltoluene	0.80	U	0.080	0.80
1,3,5-Trimethylbenzene	0.80	U	0.076	0.80
2-Chlorotoluene	0.80	U	0.12	0.80
tert-Butylbenzene	0.80	U	0.080	0.80
1,2,4-Trimethylbenzene	0.80	U	0.064	0.80
sec-Butylbenzene	0.80	U	0.084	0.80
4-Isopropyltoluene	0.80	U	0.080	0.80
1,3-Dichlorobenzene	0.80	U	0.080	0.80
1,4-Dichlorobenzene	0.80	U	0.076	0.80
Benzyl chloride	0.80	U	0.072	0.80
n-Butylbenzene	0.80	U	0.11	0.80
1,2-Dichlorobenzene	0.80	U	0.072	0.80
1,2,4-Trichlorobenzene	2.0	U	0.14	2.0
Hexachloro-1,3-butadiene	0.80	U	0.14	0.80
Naphthalene	1.8	J	0.12	2.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.9	J	1.1	9.9
Freon 22	7.7		1.1	7.1
Freon-114	5.6	U	1.5	5.6
Chloromethane	4.1	U	0.50	4.1
n-Butane	5.6		1.7	4.8
Vinyl chloride	0.41	U	0.27	0.41
1,3-Butadiene	1.8	U	0.32	1.8
Bromomethane	3.1	U	0.68	3.1
Chloroethane	5.3	U	0.64	5.3
Vinyl bromide	3.5	U	0.35	3.5
Freon 11	4.5	U	1.0	4.5
Freon 113	6.1	U	1.3	6.1
1,1-Dichloroethene	3.2	U	0.16	3.2
Acetone	48	U	6.6	48
Isopropyl alcohol	250		1.5	49
Carbon disulfide	6.2	U	0.37	6.2
Allyl chloride	6.3	U	2.0	6.3

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-7**

Lab Sample ID: 200-24716-7
Client Matrix: Air

Date Sampled: 10/09/2014 1223
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_12.D
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/15/2014 2038			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 2038			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	88		1.7	6.9
tert-Butyl alcohol	30	J	1.5	61
Methyl tert-butyl ether	2.9	U	0.32	2.9
trans-1,2-Dichloroethene	3.2	U	0.43	3.2
Hexane	2.8	U	0.39	2.8
1,1-Dichloroethane	3.2	U	0.45	3.2
Methyl Ethyl Ketone	5.9	U	1.1	5.9
cis-1,2-Dichloroethene	3.2	U	0.48	3.2
1,2-Dichloroethene, Total	3.2	U	0.84	3.2
Chloroform	3.9	U	0.74	3.9
Tetrahydrofuran	4.6	J	2.1	59
1,1,1-Trichloroethane	4.4	U	0.65	4.4
Cyclohexane	2.0	J	0.14	2.8
Carbon tetrachloride	1.0	U	0.28	1.0
2,2,4-Trimethylpentane	3.7	U	0.43	3.7
Benzene	2.6	U	0.37	2.6
1,2-Dichloroethane	3.2	U	0.84	3.2
Heptane	3.3	U	0.61	3.3
Trichloroethene	2.2		0.64	0.86
Methyl methacrylate	8.2	U	1.6	8.2
1,2-Dichloropropane	3.7	U	0.65	3.7
1,4-Dioxane	72	U	2.3	72
Bromodichloromethane	5.4	U	0.78	5.4
cis-1,3-Dichloropropene	3.6	U	0.53	3.6
methyl isobutyl ketone	8.2	U	2.9	8.2
Toluene	1.8	J	0.38	3.0
trans-1,3-Dichloropropene	3.6	U	0.47	3.6
1,1,2-Trichloroethane	4.4	U	0.81	4.4
Tetrachloroethene	1.7	J	0.81	5.4
Methyl Butyl Ketone (2-Hexanone)	8.2	U	2.8	8.2
Dibromochloromethane	6.8	U	0.68	6.8
1,2-Dibromoethane	6.1	U	0.55	6.1
Chlorobenzene	3.7	U	0.33	3.7
Ethylbenzene	3.5	U	0.35	3.5
m,p-Xylene	8.7	U	0.43	8.7
Xylene, o-	3.5	U	0.31	3.5
Xylene (total)	3.5	U	0.71	3.5
Styrene	3.4	U	0.27	3.4
Bromoform	8.3	U	1.0	8.3
1,1,2,2-Tetrachloroethane	5.5	U	0.93	5.5
n-Propylbenzene	3.9	U	0.53	3.9
4-Ethyltoluene	3.9	U	0.39	3.9
1,3,5-Trimethylbenzene	3.9	U	0.37	3.9
2-Chlorotoluene	4.1	U	0.64	4.1
tert-Butylbenzene	4.4	U	0.44	4.4
1,2,4-Trimethylbenzene	3.9	U	0.31	3.9

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-7**

Lab Sample ID: 200-24716-7
Client Matrix: Air

Date Sampled: 10/09/2014 1223
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_12.D
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/15/2014 2038			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 2038			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	4.4	U	0.46	4.4
4-Isopropyltoluene	4.4	U	0.44	4.4
1,3-Dichlorobenzene	4.8	U	0.48	4.8
1,4-Dichlorobenzene	4.8	U	0.46	4.8
Benzyl chloride	4.1	U	0.37	4.1
n-Butylbenzene	4.4	U	0.61	4.4
1,2-Dichlorobenzene	4.8	U	0.43	4.8
1,2,4-Trichlorobenzene	15	U	1.0	15
Hexachloro-1,3-butadiene	8.5	U	1.5	8.5
Naphthalene	9.3	J	0.63	10

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-8**

Lab Sample ID: 200-24716-8
Client Matrix: Air

Date Sampled: 10/09/2014 1214
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_21.D
Dilution:	2.99			Initial Weight/Volume:	67 mL
Analysis Date:	10/16/2014 0745			Final Weight/Volume:	200 mL
Prep Date:	10/16/2014 0745			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	1.2	J	0.17	1.5
Freon 22	2.3		0.24	1.5
Freon-114	0.60	U	0.16	0.60
Chloromethane	1.5	U	0.18	1.5
n-Butane	6.6		0.54	1.5
Vinyl chloride	0.12	U	0.078	0.12
1,3-Butadiene	0.60	U	0.11	0.60
Bromomethane	0.60	U	0.13	0.60
Chloroethane	1.5	U	0.18	1.5
Vinyl bromide	0.60	U	0.060	0.60
Freon 11	0.35	J	0.13	0.60
Freon 113	0.77		0.12	0.60
1,1-Dichloroethene	0.60	U	0.030	0.60
Acetone	15		2.1	15
Isopropyl alcohol	110		0.45	15
Carbon disulfide	1.5	U	0.090	1.5
Allyl chloride	1.5	U	0.48	1.5
Methylene Chloride	27		0.36	1.5
tert-Butyl alcohol	15	U	0.36	15
Methyl tert-butyl ether	0.60	U	0.066	0.60
trans-1,2-Dichloroethene	0.60	U	0.081	0.60
Hexane	0.60	U	0.084	0.60
1,1-Dichloroethane	0.26	J	0.084	0.60
Methyl Ethyl Ketone	1.5	U	0.28	1.5
cis-1,2-Dichloroethene	0.48	J	0.090	0.60
1,2-Dichloroethene, Total	0.48	J	0.16	0.60
Chloroform	4.8		0.11	0.60
Tetrahydrofuran	15	U	0.54	15
1,1,1-Trichloroethane	0.88		0.090	0.60
Cyclohexane	0.60	U	0.030	0.60
Carbon tetrachloride	0.10	J	0.033	0.12
2,2,4-Trimethylpentane	0.60	U	0.069	0.60
Benzene	0.60	U	0.087	0.60
1,2-Dichloroethane	0.60	U	0.16	0.60
Heptane	0.60	U	0.11	0.60
Trichloroethene	8.4		0.090	0.12
Methyl methacrylate	1.5	U	0.29	1.5
1,2-Dichloropropane	0.60	U	0.10	0.60
1,4-Dioxane	15	U	0.48	15
Bromodichloromethane	0.60	U	0.087	0.60
cis-1,3-Dichloropropene	0.60	U	0.087	0.60
methyl isobutyl ketone	1.5	U	0.54	1.5
Toluene	1.3		0.075	0.60
trans-1,3-Dichloropropene	0.60	U	0.078	0.60
1,1,2-Trichloroethane	0.60	U	0.11	0.60
Tetrachloroethene	2.1		0.090	0.60

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-8**

Lab Sample ID: 200-24716-8
Client Matrix: Air

Date Sampled: 10/09/2014 1214
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_21.D
Dilution:	2.99			Initial Weight/Volume:	67 mL
Analysis Date:	10/16/2014 0745			Final Weight/Volume:	200 mL
Prep Date:	10/16/2014 0745			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.5	U	0.51	1.5
Dibromochloromethane	0.60	U	0.060	0.60
1,2-Dibromoethane	0.60	U	0.054	0.60
Chlorobenzene	0.60	U	0.054	0.60
Ethylbenzene	0.60	U	0.060	0.60
m,p-Xylene	0.27	J	0.075	1.5
Xylene, o-	0.60	U	0.054	0.60
Xylene (total)	0.27	J	0.12	0.60
Styrene	0.60	U	0.048	0.60
Bromoform	0.60	U	0.075	0.60
1,1,2,2-Tetrachloroethane	0.60	U	0.10	0.60
n-Propylbenzene	0.60	U	0.081	0.60
4-Ethyltoluene	0.60	U	0.060	0.60
1,3,5-Trimethylbenzene	0.60	U	0.057	0.60
2-Chlorotoluene	0.60	U	0.093	0.60
tert-Butylbenzene	0.60	U	0.060	0.60
1,2,4-Trimethylbenzene	0.60	U	0.048	0.60
sec-Butylbenzene	0.60	U	0.063	0.60
4-Isopropyltoluene	0.60	U	0.060	0.60
1,3-Dichlorobenzene	0.60	U	0.060	0.60
1,4-Dichlorobenzene	0.60	U	0.057	0.60
Benzyl chloride	0.60	U	0.054	0.60
n-Butylbenzene	0.60	U	0.084	0.60
1,2-Dichlorobenzene	0.60	U	0.054	0.60
1,2,4-Trichlorobenzene	1.5	U	0.10	1.5
Hexachloro-1,3-butadiene	0.60	U	0.11	0.60
Naphthalene	1.5	U	0.090	1.5

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	5.9	J	0.83	7.4
Freon 22	8.1		0.85	5.3
Freon-114	4.2	U	1.1	4.2
Chloromethane	3.1	U	0.37	3.1
n-Butane	16		1.3	3.6
Vinyl chloride	0.31	U	0.20	0.31
1,3-Butadiene	1.3	U	0.24	1.3
Bromomethane	2.3	U	0.51	2.3
Chloroethane	3.9	U	0.48	3.9
Vinyl bromide	2.6	U	0.26	2.6
Freon 11	1.9	J	0.76	3.4
Freon 113	5.9		0.94	4.6
1,1-Dichloroethene	2.4	U	0.12	2.4
Acetone	35		4.9	36
Isopropyl alcohol	270		1.1	37
Carbon disulfide	4.7	U	0.28	4.7
Allyl chloride	4.7	U	1.5	4.7

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-8**

Lab Sample ID: 200-24716-8
Client Matrix: Air

Date Sampled: 10/09/2014 1214
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_21.D
Dilution:	2.99			Initial Weight/Volume:	67 mL
Analysis Date:	10/16/2014 0745			Final Weight/Volume:	200 mL
Prep Date:	10/16/2014 0745			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	94		1.2	5.2
tert-Butyl alcohol	45	U	1.1	45
Methyl tert-butyl ether	2.2	U	0.24	2.2
trans-1,2-Dichloroethene	2.4	U	0.32	2.4
Hexane	2.1	U	0.30	2.1
1,1-Dichloroethane	1.1	J	0.34	2.4
Methyl Ethyl Ketone	4.4	U	0.81	4.4
cis-1,2-Dichloroethene	1.9	J	0.36	2.4
1,2-Dichloroethene, Total	1.9	J	0.63	2.4
Chloroform	23		0.55	2.9
Tetrahydrofuran	44	U	1.6	44
1,1,1-Trichloroethane	4.8		0.49	3.3
Cyclohexane	2.1	U	0.10	2.1
Carbon tetrachloride	0.64	J	0.21	0.75
2,2,4-Trimethylpentane	2.8	U	0.32	2.8
Benzene	1.9	U	0.28	1.9
1,2-Dichloroethane	2.4	U	0.63	2.4
Heptane	2.5	U	0.45	2.5
Trichloroethene	45		0.48	0.64
Methyl methacrylate	6.1	U	1.2	6.1
1,2-Dichloropropane	2.8	U	0.48	2.8
1,4-Dioxane	54	U	1.7	54
Bromodichloromethane	4.0	U	0.58	4.0
cis-1,3-Dichloropropene	2.7	U	0.39	2.7
methyl isobutyl ketone	6.1	U	2.2	6.1
Toluene	4.7		0.28	2.3
trans-1,3-Dichloropropene	2.7	U	0.35	2.7
1,1,2-Trichloroethane	3.3	U	0.60	3.3
Tetrachloroethene	14		0.61	4.1
Methyl Butyl Ketone (2-Hexanone)	6.1	U	2.1	6.1
Dibromochloromethane	5.1	U	0.51	5.1
1,2-Dibromoethane	4.6	U	0.41	4.6
Chlorobenzene	2.8	U	0.25	2.8
Ethylbenzene	2.6	U	0.26	2.6
m,p-Xylene	1.2	J	0.32	6.5
Xylene, o-	2.6	U	0.23	2.6
Xylene (total)	1.2	J	0.53	2.6
Styrene	2.5	U	0.20	2.5
Bromoform	6.2	U	0.77	6.2
1,1,2,2-Tetrachloroethane	4.1	U	0.70	4.1
n-Propylbenzene	2.9	U	0.40	2.9
4-Ethyltoluene	2.9	U	0.29	2.9
1,3,5-Trimethylbenzene	2.9	U	0.28	2.9
2-Chlorotoluene	3.1	U	0.48	3.1
tert-Butylbenzene	3.3	U	0.33	3.3
1,2,4-Trimethylbenzene	2.9	U	0.24	2.9

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **SDS-8**

Lab Sample ID: 200-24716-8
Client Matrix: Air

Date Sampled: 10/09/2014 1214
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_21.D
Dilution:	2.99			Initial Weight/Volume:	67 mL
Analysis Date:	10/16/2014 0745			Final Weight/Volume:	200 mL
Prep Date:	10/16/2014 0745			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	3.3	U	0.34	3.3
4-Isopropyltoluene	3.3	U	0.33	3.3
1,3-Dichlorobenzene	3.6	U	0.36	3.6
1,4-Dichlorobenzene	3.6	U	0.34	3.6
Benzyl chloride	3.1	U	0.28	3.1
n-Butylbenzene	3.3	U	0.46	3.3
1,2-Dichlorobenzene	3.6	U	0.32	3.6
1,2,4-Trichlorobenzene	11	U	0.75	11
Hexachloro-1,3-butadiene	6.4	U	1.1	6.4
Naphthalene	7.8	U	0.47	7.8

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **VP GAC MID**

Lab Sample ID: 200-24716-9
Client Matrix: Air

Date Sampled: 10/10/2014 0931
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_14.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 2222			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 2222			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	1.4		0.056	0.50
Freon 22	0.52		0.080	0.50
Freon-114	0.20	U	0.052	0.20
Chloromethane	0.50	U	0.060	0.50
n-Butane	2.4		0.18	0.50
Vinyl chloride	0.040	U	0.026	0.040
1,3-Butadiene	0.20	U	0.036	0.20
Bromomethane	0.20	U	0.044	0.20
Chloroethane	0.50	U	0.061	0.50
Vinyl bromide	0.20	U	0.020	0.20
Freon 11	0.51		0.045	0.20
Freon 113	0.26		0.041	0.20
1,1-Dichloroethene	0.20	U	0.010	0.20
Acetone	5.0	U	0.69	5.0
Isopropyl alcohol	29		0.15	5.0
Carbon disulfide	0.50	U	0.030	0.50
Allyl chloride	0.50	U	0.16	0.50
Methylene Chloride	8.5		0.12	0.50
tert-Butyl alcohol	5.0	U	0.12	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.33		0.027	0.20
Hexane	0.20	U	0.028	0.20
1,1-Dichloroethane	0.11	J	0.028	0.20
Methyl Ethyl Ketone	0.50	U	0.092	0.50
cis-1,2-Dichloroethene	0.54		0.030	0.20
1,2-Dichloroethene, Total	0.87		0.053	0.20
Chloroform	2.0		0.038	0.20
Tetrahydrofuran	0.62	J	0.18	5.0
1,1,1-Trichloroethane	0.33		0.030	0.20
Cyclohexane	0.46		0.010	0.20
Carbon tetrachloride	0.15		0.011	0.040
2,2,4-Trimethylpentane	0.20	U	0.023	0.20
Benzene	0.59		0.029	0.20
1,2-Dichloroethane	0.20	U	0.052	0.20
Heptane	0.20	U	0.037	0.20
Trichloroethene	0.078		0.030	0.040
Methyl methacrylate	0.50	U	0.096	0.50
1,2-Dichloropropane	0.20	U	0.035	0.20
1,4-Dioxane	5.0	U	0.16	5.0
Bromodichloromethane	0.20	U	0.029	0.20
cis-1,3-Dichloropropene	0.20	U	0.029	0.20
methyl isobutyl ketone	0.50	U	0.18	0.50
Toluene	0.068	J	0.025	0.20
trans-1,3-Dichloropropene	0.20	U	0.026	0.20
1,1,2-Trichloroethane	0.20	U	0.037	0.20
Tetrachloroethene	0.20	U	0.030	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **VP GAC MID**

Lab Sample ID: 200-24716-9
Client Matrix: Air

Date Sampled: 10/10/2014 0931
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_14.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 2222			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 2222			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.17	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.018	0.20
Chlorobenzene	0.20	U	0.018	0.20
Ethylbenzene	0.034	J	0.020	0.20
m,p-Xylene	0.10	J	0.025	0.50
Xylene, o-	0.038	J	0.018	0.20
Xylene (total)	0.14	J	0.041	0.20
Styrene	0.20	U	0.016	0.20
Bromoform	0.20	U	0.025	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.034	0.20
n-Propylbenzene	0.20	U	0.027	0.20
4-Ethyltoluene	0.20	U	0.020	0.20
1,3,5-Trimethylbenzene	0.20	U	0.019	0.20
2-Chlorotoluene	0.20	U	0.031	0.20
tert-Butylbenzene	0.20	U	0.020	0.20
1,2,4-Trimethylbenzene	0.035	J	0.016	0.20
sec-Butylbenzene	0.20	U	0.021	0.20
4-Isopropyltoluene	0.20	U	0.020	0.20
1,3-Dichlorobenzene	0.20	U	0.020	0.20
1,4-Dichlorobenzene	0.20	U	0.019	0.20
Benzyl chloride	0.20	U	0.018	0.20
n-Butylbenzene	0.20	U	0.028	0.20
1,2-Dichlorobenzene	0.20	U	0.018	0.20
1,2,4-Trichlorobenzene	0.50	U	0.034	0.50
Hexachloro-1,3-butadiene	0.20	U	0.036	0.20
Naphthalene	0.50	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	6.9		0.28	2.5
Freon 22	1.8		0.28	1.8
Freon-114	1.4	U	0.36	1.4
Chloromethane	1.0	U	0.12	1.0
n-Butane	5.7		0.43	1.2
Vinyl chloride	0.10	U	0.066	0.10
1,3-Butadiene	0.44	U	0.080	0.44
Bromomethane	0.78	U	0.17	0.78
Chloroethane	1.3	U	0.16	1.3
Vinyl bromide	0.87	U	0.087	0.87
Freon 11	2.9		0.25	1.1
Freon 113	2.0		0.31	1.5
1,1-Dichloroethene	0.79	U	0.040	0.79
Acetone	12	U	1.6	12
Isopropyl alcohol	71		0.37	12
Carbon disulfide	1.6	U	0.093	1.6
Allyl chloride	1.6	U	0.50	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **VP GAC MID**

Lab Sample ID: 200-24716-9
Client Matrix: Air

Date Sampled: 10/10/2014 0931
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_14.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 2222			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 2222			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	29		0.42	1.7
tert-Butyl alcohol	15	U	0.36	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	1.3		0.11	0.79
Hexane	0.70	U	0.099	0.70
1,1-Dichloroethane	0.44	J	0.11	0.81
Methyl Ethyl Ketone	1.5	U	0.27	1.5
cis-1,2-Dichloroethene	2.2		0.12	0.79
1,2-Dichloroethene, Total	3.4		0.21	0.79
Chloroform	9.6		0.19	0.98
Tetrahydrofuran	1.8	J	0.53	15
1,1,1-Trichloroethane	1.8		0.16	1.1
Cyclohexane	1.6		0.034	0.69
Carbon tetrachloride	0.92		0.069	0.25
2,2,4-Trimethylpentane	0.93	U	0.11	0.93
Benzene	1.9		0.093	0.64
1,2-Dichloroethane	0.81	U	0.21	0.81
Heptane	0.82	U	0.15	0.82
Trichloroethene	0.42		0.16	0.21
Methyl methacrylate	2.0	U	0.39	2.0
1,2-Dichloropropane	0.92	U	0.16	0.92
1,4-Dioxane	18	U	0.58	18
Bromodichloromethane	1.3	U	0.19	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.74	2.0
Toluene	0.26	J	0.094	0.75
trans-1,3-Dichloropropene	0.91	U	0.12	0.91
1,1,2-Trichloroethane	1.1	U	0.20	1.1
Tetrachloroethene	1.4	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.70	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.14	1.5
Chlorobenzene	0.92	U	0.083	0.92
Ethylbenzene	0.15	J	0.087	0.87
m,p-Xylene	0.45	J	0.11	2.2
Xylene, o-	0.16	J	0.078	0.87
Xylene (total)	0.60	J	0.18	0.87
Styrene	0.85	U	0.068	0.85
Bromoform	2.1	U	0.26	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.23	1.4
n-Propylbenzene	0.98	U	0.13	0.98
4-Ethyltoluene	0.98	U	0.098	0.98
1,3,5-Trimethylbenzene	0.98	U	0.093	0.98
2-Chlorotoluene	1.0	U	0.16	1.0
tert-Butylbenzene	1.1	U	0.11	1.1
1,2,4-Trimethylbenzene	0.17	J	0.079	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **VP GAC MID**

Lab Sample ID: 200-24716-9
Client Matrix: Air

Date Sampled: 10/10/2014 0931
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_14.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 2222			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 2222			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.12	1.1
4-Isopropyltoluene	1.1	U	0.11	1.1
1,3-Dichlorobenzene	1.2	U	0.12	1.2
1,4-Dichlorobenzene	1.2	U	0.11	1.2
Benzyl chloride	1.0	U	0.093	1.0
n-Butylbenzene	1.1	U	0.15	1.1
1,2-Dichlorobenzene	1.2	U	0.11	1.2
1,2,4-Trichlorobenzene	3.7	U	0.25	3.7
Hexachloro-1,3-butadiene	2.1	U	0.38	2.1
Naphthalene	2.6	U	0.16	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **VP GAC POST**

Lab Sample ID: 200-24716-10
Client Matrix: Air

Date Sampled: 10/10/2014 0927
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_15.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 2314			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 2314			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	1.2		0.056	0.50
Freon 22	0.60		0.080	0.50
Freon-114	0.20	U	0.052	0.20
Chloromethane	0.50	U	0.060	0.50
n-Butane	3.9		0.18	0.50
Vinyl chloride	0.040	U	0.026	0.040
1,3-Butadiene	0.20	U	0.036	0.20
Bromomethane	0.20	U	0.044	0.20
Chloroethane	0.50	U	0.061	0.50
Vinyl bromide	0.20	U	0.020	0.20
Freon 11	1.0		0.045	0.20
Freon 113	0.36		0.041	0.20
1,1-Dichloroethene	0.20	U	0.010	0.20
Acetone	5.0	U	0.69	5.0
Isopropyl alcohol	24		0.15	5.0
Carbon disulfide	0.50	U	0.030	0.50
Allyl chloride	0.50	U	0.16	0.50
Methylene Chloride	10		0.12	0.50
tert-Butyl alcohol	5.0	U	0.12	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.36		0.027	0.20
Hexane	0.22		0.028	0.20
1,1-Dichloroethane	0.13	J	0.028	0.20
Methyl Ethyl Ketone	0.50	U	0.092	0.50
cis-1,2-Dichloroethene	0.42		0.030	0.20
1,2-Dichloroethene, Total	0.78		0.053	0.20
Chloroform	1.3		0.038	0.20
Tetrahydrofuran	0.64	J	0.18	5.0
1,1,1-Trichloroethane	0.11	J	0.030	0.20
Cyclohexane	0.35		0.010	0.20
Carbon tetrachloride	0.092		0.011	0.040
2,2,4-Trimethylpentane	0.20	U	0.023	0.20
Benzene	0.091	J	0.029	0.20
1,2-Dichloroethane	0.20	U	0.052	0.20
Heptane	0.33		0.037	0.20
Trichloroethene	0.040	U	0.030	0.040
Methyl methacrylate	0.50	U	0.096	0.50
1,2-Dichloropropane	0.20	U	0.035	0.20
1,4-Dioxane	5.0	U	0.16	5.0
Bromodichloromethane	0.20	U	0.029	0.20
cis-1,3-Dichloropropene	0.20	U	0.029	0.20
methyl isobutyl ketone	0.50	U	0.18	0.50
Toluene	0.11	J	0.025	0.20
trans-1,3-Dichloropropene	0.20	U	0.026	0.20
1,1,2-Trichloroethane	0.20	U	0.037	0.20
Tetrachloroethene	0.20	U	0.030	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **VP GAC POST**

Lab Sample ID: 200-24716-10
Client Matrix: Air

Date Sampled: 10/10/2014 0927
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_15.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 2314			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 2314			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.17	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.018	0.20
Chlorobenzene	0.20	U	0.018	0.20
Ethylbenzene	0.087	J	0.020	0.20
m,p-Xylene	0.21	J	0.025	0.50
Xylene, o-	0.068	J	0.018	0.20
Xylene (total)	0.28		0.041	0.20
Styrene	0.20	U	0.016	0.20
Bromoform	0.20	U	0.025	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.034	0.20
n-Propylbenzene	0.20	U	0.027	0.20
4-Ethyltoluene	0.20	U	0.020	0.20
1,3,5-Trimethylbenzene	0.20	U	0.019	0.20
2-Chlorotoluene	0.20	U	0.031	0.20
tert-Butylbenzene	0.20	U	0.020	0.20
1,2,4-Trimethylbenzene	0.059	J	0.016	0.20
sec-Butylbenzene	0.20	U	0.021	0.20
4-Isopropyltoluene	0.20	U	0.020	0.20
1,3-Dichlorobenzene	0.20	U	0.020	0.20
1,4-Dichlorobenzene	0.20	U	0.019	0.20
Benzyl chloride	0.20	U	0.018	0.20
n-Butylbenzene	0.20	U	0.028	0.20
1,2-Dichlorobenzene	0.20	U	0.018	0.20
1,2,4-Trichlorobenzene	0.50	U	0.034	0.50
Hexachloro-1,3-butadiene	0.20	U	0.036	0.20
Naphthalene	0.50	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	6.2		0.28	2.5
Freon 22	2.1		0.28	1.8
Freon-114	1.4	U	0.36	1.4
Chloromethane	1.0	U	0.12	1.0
n-Butane	9.2		0.43	1.2
Vinyl chloride	0.10	U	0.066	0.10
1,3-Butadiene	0.44	U	0.080	0.44
Bromomethane	0.78	U	0.17	0.78
Chloroethane	1.3	U	0.16	1.3
Vinyl bromide	0.87	U	0.087	0.87
Freon 11	5.6		0.25	1.1
Freon 113	2.8		0.31	1.5
1,1-Dichloroethene	0.79	U	0.040	0.79
Acetone	12	U	1.6	12
Isopropyl alcohol	58		0.37	12
Carbon disulfide	1.6	U	0.093	1.6
Allyl chloride	1.6	U	0.50	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **VP GAC POST**

Lab Sample ID: 200-24716-10
Client Matrix: Air

Date Sampled: 10/10/2014 0927
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_15.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 2314			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 2314			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	36		0.42	1.7
tert-Butyl alcohol	15	U	0.36	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	1.4		0.11	0.79
Hexane	0.78		0.099	0.70
1,1-Dichloroethane	0.54	J	0.11	0.81
Methyl Ethyl Ketone	1.5	U	0.27	1.5
cis-1,2-Dichloroethene	1.7		0.12	0.79
1,2-Dichloroethene, Total	3.1		0.21	0.79
Chloroform	6.4		0.19	0.98
Tetrahydrofuran	1.9	J	0.53	15
1,1,1-Trichloroethane	0.59	J	0.16	1.1
Cyclohexane	1.2		0.034	0.69
Carbon tetrachloride	0.58		0.069	0.25
2,2,4-Trimethylpentane	0.93	U	0.11	0.93
Benzene	0.29	J	0.093	0.64
1,2-Dichloroethane	0.81	U	0.21	0.81
Heptane	1.3		0.15	0.82
Trichloroethene	0.21	U	0.16	0.21
Methyl methacrylate	2.0	U	0.39	2.0
1,2-Dichloropropane	0.92	U	0.16	0.92
1,4-Dioxane	18	U	0.58	18
Bromodichloromethane	1.3	U	0.19	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.74	2.0
Toluene	0.42	J	0.094	0.75
trans-1,3-Dichloropropene	0.91	U	0.12	0.91
1,1,2-Trichloroethane	1.1	U	0.20	1.1
Tetrachloroethene	1.4	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.70	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.14	1.5
Chlorobenzene	0.92	U	0.083	0.92
Ethylbenzene	0.38	J	0.087	0.87
m,p-Xylene	0.93	J	0.11	2.2
Xylene, o-	0.29	J	0.078	0.87
Xylene (total)	1.2		0.18	0.87
Styrene	0.85	U	0.068	0.85
Bromoform	2.1	U	0.26	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.23	1.4
n-Propylbenzene	0.98	U	0.13	0.98
4-Ethyltoluene	0.98	U	0.098	0.98
1,3,5-Trimethylbenzene	0.98	U	0.093	0.98
2-Chlorotoluene	1.0	U	0.16	1.0
tert-Butylbenzene	1.1	U	0.11	1.1
1,2,4-Trimethylbenzene	0.29	J	0.079	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **VP GAC POST**

Lab Sample ID: 200-24716-10
Client Matrix: Air

Date Sampled: 10/10/2014 0927
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	10013_15.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 2314			Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 2314			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.12	1.1
4-Isopropyltoluene	1.1	U	0.11	1.1
1,3-Dichlorobenzene	1.2	U	0.12	1.2
1,4-Dichlorobenzene	1.2	U	0.11	1.2
Benzyl chloride	1.0	U	0.093	1.0
n-Butylbenzene	1.1	U	0.15	1.1
1,2-Dichlorobenzene	1.2	U	0.11	1.2
1,2,4-Trichlorobenzene	3.7	U	0.25	3.7
Hexachloro-1,3-butadiene	2.1	U	0.38	2.1
Naphthalene	2.6	U	0.16	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **GCTS PRE CARBON**

Lab Sample ID: 200-24717-1
Client Matrix: Air

Date Sampled: 10/09/2014 1712
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	9990_005.D
Dilution:	2.99			Initial Weight/Volume:	67 mL
Analysis Date:	10/14/2014 1344			Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1344			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.53	J	0.17	1.5
Freon 22	0.32	J	0.24	1.5
Freon-114	0.60	U	0.16	0.60
Chloromethane	1.5	U	0.18	1.5
n-Butane	1.5	U	0.54	1.5
Vinyl chloride	0.57		0.078	0.12
1,3-Butadiene	0.60	U	0.11	0.60
Bromomethane	0.60	U	0.13	0.60
Chloroethane	0.26	J	0.18	1.5
Vinyl bromide	0.60	U	0.060	0.60
Freon 11	0.60	U	0.13	0.60
Freon 113	12		0.12	0.60
1,1-Dichloroethene	0.60	U	0.030	0.60
Acetone	15	U	2.1	15
Isopropyl alcohol	15	U	0.45	15
Carbon disulfide	1.5	U	0.090	1.5
Allyl chloride	1.5	U	0.48	1.5
Methylene Chloride	1.5	U	0.36	1.5
tert-Butyl alcohol	15	U	0.36	15
Methyl tert-butyl ether	0.60	U	0.066	0.60
trans-1,2-Dichloroethene	0.60	U	0.081	0.60
Hexane	0.60	U	0.084	0.60
1,1-Dichloroethane	12		0.084	0.60
Methyl Ethyl Ketone	3.5		0.28	1.5
cis-1,2-Dichloroethene	74		0.090	0.60
1,2-Dichloroethene, Total	74		0.16	0.60
Chloroform	0.40	J	0.11	0.60
Tetrahydrofuran	0.82	J	0.54	15
1,1,1-Trichloroethane	0.60	U	0.090	0.60
Cyclohexane	0.60	U	0.030	0.60
Carbon tetrachloride	0.084	J	0.033	0.12
2,2,4-Trimethylpentane	0.60	U	0.069	0.60
Benzene	0.60	U	0.087	0.60
1,2-Dichloroethane	0.60	U	0.16	0.60
Heptane	0.60	U	0.11	0.60
Trichloroethene	51		0.090	0.12
Methyl methacrylate	1.5	U	0.29	1.5
1,2-Dichloropropane	0.60	U	0.10	0.60
1,4-Dioxane	15	U	0.48	15
Bromodichloromethane	0.60	U	0.087	0.60
cis-1,3-Dichloropropene	0.60	U	0.087	0.60
methyl isobutyl ketone	1.5	U	0.54	1.5
Toluene	0.13	J	0.075	0.60
trans-1,3-Dichloropropene	0.60	U	0.078	0.60
1,1,2-Trichloroethane	0.60	U	0.11	0.60
Tetrachloroethene	24		0.090	0.60

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **GCTS PRE CARBON**

Lab Sample ID: 200-24717-1
Client Matrix: Air

Date Sampled: 10/09/2014 1712
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	9990_005.D
Dilution:	2.99			Initial Weight/Volume:	67 mL
Analysis Date:	10/14/2014 1344			Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1344			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.5	U	0.51	1.5
Dibromochloromethane	0.60	U	0.060	0.60
1,2-Dibromoethane	0.60	U	0.054	0.60
Chlorobenzene	0.60	U	0.054	0.60
Ethylbenzene	0.60	U	0.060	0.60
m,p-Xylene	1.5	U	0.075	1.5
Xylene, o-	0.12	J	0.054	0.60
Xylene (total)	0.12	J	0.12	0.60
Styrene	0.10	J	0.048	0.60
Bromoform	0.60	U	0.075	0.60
1,1,2,2-Tetrachloroethane	0.60	U	0.10	0.60
n-Propylbenzene	0.60	U	0.081	0.60
4-Ethyltoluene	0.60	U	0.060	0.60
1,3,5-Trimethylbenzene	0.60	U	0.057	0.60
2-Chlorotoluene	0.60	U	0.093	0.60
tert-Butylbenzene	0.60	U	0.060	0.60
1,2,4-Trimethylbenzene	0.12	J	0.048	0.60
sec-Butylbenzene	0.60	U	0.063	0.60
4-Isopropyltoluene	0.60	U	0.060	0.60
1,3-Dichlorobenzene	0.60	U	0.060	0.60
1,4-Dichlorobenzene	0.60	U	0.057	0.60
Benzyl chloride	0.60	U	0.054	0.60
n-Butylbenzene	0.60	U	0.084	0.60
1,2-Dichlorobenzene	0.60	U	0.054	0.60
1,2,4-Trichlorobenzene	1.5	U	0.10	1.5
Hexachloro-1,3-butadiene	0.60	U	0.11	0.60
Naphthalene	1.5	U	0.090	1.5

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.6	J	0.83	7.4
Freon 22	1.1	J	0.85	5.3
Freon-114	4.2	U	1.1	4.2
Chloromethane	3.1	U	0.37	3.1
n-Butane	3.6	U	1.3	3.6
Vinyl chloride	1.4		0.20	0.31
1,3-Butadiene	1.3	U	0.24	1.3
Bromomethane	2.3	U	0.51	2.3
Chloroethane	0.69	J	0.48	3.9
Vinyl bromide	2.6	U	0.26	2.6
Freon 11	3.4	U	0.76	3.4
Freon 113	92		0.94	4.6
1,1-Dichloroethene	2.4	U	0.12	2.4
Acetone	36	U	4.9	36
Isopropyl alcohol	37	U	1.1	37
Carbon disulfide	4.7	U	0.28	4.7
Allyl chloride	4.7	U	1.5	4.7

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **GCTS PRE CARBON**

Lab Sample ID: 200-24717-1
Client Matrix: Air

Date Sampled: 10/09/2014 1712
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	9990_005.D
Dilution:	2.99			Initial Weight/Volume:	67 mL
Analysis Date:	10/14/2014 1344			Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1344			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	5.2	U	1.2	5.2
tert-Butyl alcohol	45	U	1.1	45
Methyl tert-butyl ether	2.2	U	0.24	2.2
trans-1,2-Dichloroethene	2.4	U	0.32	2.4
Hexane	2.1	U	0.30	2.1
1,1-Dichloroethane	49		0.34	2.4
Methyl Ethyl Ketone	10		0.81	4.4
cis-1,2-Dichloroethene	290		0.36	2.4
1,2-Dichloroethene, Total	290		0.63	2.4
Chloroform	2.0	J	0.55	2.9
Tetrahydrofuran	2.4	J	1.6	44
1,1,1-Trichloroethane	3.3	U	0.49	3.3
Cyclohexane	2.1	U	0.10	2.1
Carbon tetrachloride	0.53	J	0.21	0.75
2,2,4-Trimethylpentane	2.8	U	0.32	2.8
Benzene	1.9	U	0.28	1.9
1,2-Dichloroethane	2.4	U	0.63	2.4
Heptane	2.5	U	0.45	2.5
Trichloroethene	270		0.48	0.64
Methyl methacrylate	6.1	U	1.2	6.1
1,2-Dichloropropane	2.8	U	0.48	2.8
1,4-Dioxane	54	U	1.7	54
Bromodichloromethane	4.0	U	0.58	4.0
cis-1,3-Dichloropropene	2.7	U	0.39	2.7
methyl isobutyl ketone	6.1	U	2.2	6.1
Toluene	0.51	J	0.28	2.3
trans-1,3-Dichloropropene	2.7	U	0.35	2.7
1,1,2-Trichloroethane	3.3	U	0.60	3.3
Tetrachloroethene	160		0.61	4.1
Methyl Butyl Ketone (2-Hexanone)	6.1	U	2.1	6.1
Dibromochloromethane	5.1	U	0.51	5.1
1,2-Dibromoethane	4.6	U	0.41	4.6
Chlorobenzene	2.8	U	0.25	2.8
Ethylbenzene	2.6	U	0.26	2.6
m,p-Xylene	6.5	U	0.32	6.5
Xylene, o-	0.53	J	0.23	2.6
Xylene (total)	0.52	J	0.53	2.6
Styrene	0.45	J	0.20	2.5
Bromoform	6.2	U	0.77	6.2
1,1,2,2-Tetrachloroethane	4.1	U	0.70	4.1
n-Propylbenzene	2.9	U	0.40	2.9
4-Ethyltoluene	2.9	U	0.29	2.9
1,3,5-Trimethylbenzene	2.9	U	0.28	2.9
2-Chlorotoluene	3.1	U	0.48	3.1
tert-Butylbenzene	3.3	U	0.33	3.3
1,2,4-Trimethylbenzene	0.59	J	0.24	2.9

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **GCTS PRE CARBON**

Lab Sample ID: 200-24717-1
Client Matrix: Air

Date Sampled: 10/09/2014 1712
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	9990_005.D
Dilution:	2.99			Initial Weight/Volume:	67 mL
Analysis Date:	10/14/2014 1344			Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1344			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	3.3	U	0.34	3.3
4-Isopropyltoluene	3.3	U	0.33	3.3
1,3-Dichlorobenzene	3.6	U	0.36	3.6
1,4-Dichlorobenzene	3.6	U	0.34	3.6
Benzyl chloride	3.1	U	0.28	3.1
n-Butylbenzene	3.3	U	0.46	3.3
1,2-Dichlorobenzene	3.6	U	0.32	3.6
1,2,4-Trichlorobenzene	11	U	0.75	11
Hexachloro-1,3-butadiene	6.4	U	1.1	6.4
Naphthalene	7.8	U	0.47	7.8

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **GCTS MID CARBON**

Lab Sample ID: 200-24717-2
Client Matrix: Air

Date Sampled: 10/09/2014 1707
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	9990_006.D
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/14/2014 1436			Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1436			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.34	J	0.11	1.0
Freon 22	0.31	J	0.16	1.0
Freon-114	0.40	U	0.10	0.40
Chloromethane	1.0	U	0.12	1.0
n-Butane	1.0	U	0.36	1.0
Vinyl chloride	0.74		0.052	0.080
1,3-Butadiene	0.40	U	0.072	0.40
Bromomethane	0.40	U	0.088	0.40
Chloroethane	1.0	U	0.12	1.0
Vinyl bromide	0.40	U	0.040	0.40
Freon 11	0.32	J	0.090	0.40
Freon 113	6.9		0.082	0.40
1,1-Dichloroethene	0.40	U	0.020	0.40
Acetone	10	U	1.4	10
Isopropyl alcohol	10	U	0.30	10
Carbon disulfide	1.0	U	0.060	1.0
Allyl chloride	1.0	U	0.32	1.0
Methylene Chloride	0.49	J	0.24	1.0
tert-Butyl alcohol	10	U	0.24	10
Methyl tert-butyl ether	0.40	U	0.044	0.40
trans-1,2-Dichloroethene	0.40	U	0.054	0.40
Hexane	0.40	U	0.056	0.40
1,1-Dichloroethane	6.2		0.056	0.40
Methyl Ethyl Ketone	2.5		0.18	1.0
cis-1,2-Dichloroethene	49		0.060	0.40
1,2-Dichloroethene, Total	49		0.11	0.40
Chloroform	0.26	J	0.076	0.40
Tetrahydrofuran	0.76	J	0.36	10
1,1,1-Trichloroethane	0.40	U	0.060	0.40
Cyclohexane	0.40	U	0.020	0.40
Carbon tetrachloride	0.080	U	0.022	0.080
2,2,4-Trimethylpentane	0.40	U	0.046	0.40
Benzene	0.40	U	0.058	0.40
1,2-Dichloroethane	0.40	U	0.10	0.40
Heptane	0.40	U	0.074	0.40
Trichloroethene	0.18		0.060	0.080
Methyl methacrylate	1.0	U	0.19	1.0
1,2-Dichloropropane	0.40	U	0.070	0.40
1,4-Dioxane	10	U	0.32	10
Bromodichloromethane	0.40	U	0.058	0.40
cis-1,3-Dichloropropene	0.40	U	0.058	0.40
methyl isobutyl ketone	1.0	U	0.36	1.0
Toluene	0.60		0.050	0.40
trans-1,3-Dichloropropene	0.40	U	0.052	0.40
1,1,2-Trichloroethane	0.40	U	0.074	0.40
Tetrachloroethene	0.075	J	0.060	0.40

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **GCTS MID CARBON**

Lab Sample ID: 200-24717-2
Client Matrix: Air

Date Sampled: 10/09/2014 1707
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	9990_006.D
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/14/2014 1436			Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1436			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.0	U	0.34	1.0
Dibromochloromethane	0.40	U	0.040	0.40
1,2-Dibromoethane	0.40	U	0.036	0.40
Chlorobenzene	0.40	U	0.036	0.40
Ethylbenzene	0.086	J	0.040	0.40
m,p-Xylene	0.33	J	0.050	1.0
Xylene, o-	0.23	J	0.036	0.40
Xylene (total)	0.56		0.082	0.40
Styrene	0.078	J	0.032	0.40
Bromoform	0.40	U	0.050	0.40
1,1,2,2-Tetrachloroethane	0.40	U	0.068	0.40
n-Propylbenzene	0.40	U	0.054	0.40
4-Ethyltoluene	0.40	U	0.040	0.40
1,3,5-Trimethylbenzene	0.071	J	0.038	0.40
2-Chlorotoluene	0.40	U	0.062	0.40
tert-Butylbenzene	0.40	U	0.040	0.40
1,2,4-Trimethylbenzene	0.21	J	0.032	0.40
sec-Butylbenzene	0.40	U	0.042	0.40
4-Isopropyltoluene	0.40	U	0.040	0.40
1,3-Dichlorobenzene	0.40	U	0.040	0.40
1,4-Dichlorobenzene	0.40	U	0.038	0.40
Benzyl chloride	0.40	U	0.036	0.40
n-Butylbenzene	0.40	U	0.056	0.40
1,2-Dichlorobenzene	0.40	U	0.036	0.40
1,2,4-Trichlorobenzene	1.0	U	0.068	1.0
Hexachloro-1,3-butadiene	0.40	U	0.072	0.40
Naphthalene	1.0	U	0.060	1.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	1.7	J	0.55	4.9
Freon 22	1.1	J	0.57	3.5
Freon-114	2.8	U	0.73	2.8
Chloromethane	2.1	U	0.25	2.1
n-Butane	2.4	U	0.86	2.4
Vinyl chloride	1.9		0.13	0.20
1,3-Butadiene	0.88	U	0.16	0.88
Bromomethane	1.6	U	0.34	1.6
Chloroethane	2.6	U	0.32	2.6
Vinyl bromide	1.7	U	0.17	1.7
Freon 11	1.8	J	0.51	2.2
Freon 113	53		0.63	3.1
1,1-Dichloroethene	1.6	U	0.079	1.6
Acetone	24	U	3.3	24
Isopropyl alcohol	25	U	0.74	25
Carbon disulfide	3.1	U	0.19	3.1
Allyl chloride	3.1	U	1.0	3.1

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **GCTS MID CARBON**

Lab Sample ID: 200-24717-2
Client Matrix: Air

Date Sampled: 10/09/2014 1707
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	9990_006.D
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/14/2014 1436			Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1436			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	1.7	J	0.83	3.5
tert-Butyl alcohol	30	U	0.73	30
Methyl tert-butyl ether	1.4	U	0.16	1.4
trans-1,2-Dichloroethene	1.6	U	0.21	1.6
Hexane	1.4	U	0.20	1.4
1,1-Dichloroethane	25		0.23	1.6
Methyl Ethyl Ketone	7.5		0.54	2.9
cis-1,2-Dichloroethene	190		0.24	1.6
1,2-Dichloroethene, Total	190		0.42	1.6
Chloroform	1.3	J	0.37	2.0
Tetrahydrofuran	2.2	J	1.1	29
1,1,1-Trichloroethane	2.2	U	0.33	2.2
Cyclohexane	1.4	U	0.069	1.4
Carbon tetrachloride	0.50	U	0.14	0.50
2,2,4-Trimethylpentane	1.9	U	0.21	1.9
Benzene	1.3	U	0.19	1.3
1,2-Dichloroethane	1.6	U	0.42	1.6
Heptane	1.6	U	0.30	1.6
Trichloroethene	0.94		0.32	0.43
Methyl methacrylate	4.1	U	0.79	4.1
1,2-Dichloropropane	1.8	U	0.32	1.8
1,4-Dioxane	36	U	1.2	36
Bromodichloromethane	2.7	U	0.39	2.7
cis-1,3-Dichloropropene	1.8	U	0.26	1.8
methyl isobutyl ketone	4.1	U	1.5	4.1
Toluene	2.3		0.19	1.5
trans-1,3-Dichloropropene	1.8	U	0.24	1.8
1,1,2-Trichloroethane	2.2	U	0.40	2.2
Tetrachloroethene	0.51	J	0.41	2.7
Methyl Butyl Ketone (2-Hexanone)	4.1	U	1.4	4.1
Dibromochloromethane	3.4	U	0.34	3.4
1,2-Dibromoethane	3.1	U	0.28	3.1
Chlorobenzene	1.8	U	0.17	1.8
Ethylbenzene	0.37	J	0.17	1.7
m,p-Xylene	1.4	J	0.22	4.3
Xylene, o-	0.99	J	0.16	1.7
Xylene (total)	2.4		0.36	1.7
Styrene	0.33	J	0.14	1.7
Bromoform	4.1	U	0.52	4.1
1,1,2,2-Tetrachloroethane	2.7	U	0.47	2.7
n-Propylbenzene	2.0	U	0.27	2.0
4-Ethyltoluene	2.0	U	0.20	2.0
1,3,5-Trimethylbenzene	0.35	J	0.19	2.0
2-Chlorotoluene	2.1	U	0.32	2.1
tert-Butylbenzene	2.2	U	0.22	2.2
1,2,4-Trimethylbenzene	1.0	J	0.16	2.0

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **GCTS MID CARBON**

Lab Sample ID: 200-24717-2
Client Matrix: Air

Date Sampled: 10/09/2014 1707
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	9990_006.D
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/14/2014 1436			Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1436			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	2.2	U	0.23	2.2
4-Isopropyltoluene	2.2	U	0.22	2.2
1,3-Dichlorobenzene	2.4	U	0.24	2.4
1,4-Dichlorobenzene	2.4	U	0.23	2.4
Benzyl chloride	2.1	U	0.19	2.1
n-Butylbenzene	2.2	U	0.31	2.2
1,2-Dichlorobenzene	2.4	U	0.22	2.4
1,2,4-Trichlorobenzene	7.4	U	0.50	7.4
Hexachloro-1,3-butadiene	4.3	U	0.77	4.3
Naphthalene	5.2	U	0.31	5.2

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **GCTS POST CARBON**

Lab Sample ID: 200-24717-3
Client Matrix: Air

Date Sampled: 10/09/2014 1703
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	9990_007.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/14/2014 1528			Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1528			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.67		0.056	0.50
Freon 22	0.34	J	0.080	0.50
Freon-114	0.20	U	0.052	0.20
Chloromethane	0.50	U	0.060	0.50
n-Butane	0.50	U	0.18	0.50
Vinyl chloride	1.1		0.026	0.040
1,3-Butadiene	0.20	U	0.036	0.20
Bromomethane	0.20	U	0.044	0.20
Chloroethane	0.50	U	0.061	0.50
Vinyl bromide	0.20	U	0.020	0.20
Freon 11	0.33		0.045	0.20
Freon 113	7.6		0.041	0.20
1,1-Dichloroethene	0.18	J	0.010	0.20
Acetone	5.0	U	0.69	5.0
Isopropyl alcohol	5.0	U	0.15	5.0
Carbon disulfide	0.50	U	0.030	0.50
Allyl chloride	0.50	U	0.16	0.50
Methylene Chloride	0.38	J	0.12	0.50
tert-Butyl alcohol	5.0	U	0.12	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.027	0.20
Hexane	0.20	U	0.028	0.20
1,1-Dichloroethane	13		0.028	0.20
Methyl Ethyl Ketone	1.4		0.092	0.50
cis-1,2-Dichloroethene	34		0.030	0.20
1,2-Dichloroethene, Total	34		0.053	0.20
Chloroform	0.29		0.038	0.20
Tetrahydrofuran	0.44	J	0.18	5.0
1,1,1-Trichloroethane	0.20	U	0.030	0.20
Cyclohexane	0.20	U	0.010	0.20
Carbon tetrachloride	0.040	U	0.011	0.040
2,2,4-Trimethylpentane	0.20	U	0.023	0.20
Benzene	0.041	J	0.029	0.20
1,2-Dichloroethane	0.20	U	0.052	0.20
Heptane	0.20	U	0.037	0.20
Trichloroethene	0.040		0.030	0.040
Methyl methacrylate	0.50	U	0.096	0.50
1,2-Dichloropropane	0.20	U	0.035	0.20
1,4-Dioxane	5.0	U	0.16	5.0
Bromodichloromethane	0.20	U	0.029	0.20
cis-1,3-Dichloropropene	0.20	U	0.029	0.20
methyl isobutyl ketone	0.50	U	0.18	0.50
Toluene	0.12	J	0.025	0.20
trans-1,3-Dichloropropene	0.20	U	0.026	0.20
1,1,2-Trichloroethane	0.20	U	0.037	0.20
Tetrachloroethene	0.032	J	0.030	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **GCTS POST CARBON**

Lab Sample ID: 200-24717-3
Client Matrix: Air

Date Sampled: 10/09/2014 1703
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	9990_007.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/14/2014 1528			Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1528			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.17	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.018	0.20
Chlorobenzene	0.20	U	0.018	0.20
Ethylbenzene	0.20	U	0.020	0.20
m,p-Xylene	0.084	J	0.025	0.50
Xylene, o-	0.090	J	0.018	0.20
Xylene (total)	0.17	J	0.041	0.20
Styrene	0.052	J	0.016	0.20
Bromoform	0.20	U	0.025	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.034	0.20
n-Propylbenzene	0.20	U	0.027	0.20
4-Ethyltoluene	0.20	U	0.020	0.20
1,3,5-Trimethylbenzene	0.20	U	0.019	0.20
2-Chlorotoluene	0.20	U	0.031	0.20
tert-Butylbenzene	0.20	U	0.020	0.20
1,2,4-Trimethylbenzene	0.076	J	0.016	0.20
sec-Butylbenzene	0.20	U	0.021	0.20
4-Isopropyltoluene	0.20	U	0.020	0.20
1,3-Dichlorobenzene	0.20	U	0.020	0.20
1,4-Dichlorobenzene	0.20	U	0.019	0.20
Benzyl chloride	0.20	U	0.018	0.20
n-Butylbenzene	0.20	U	0.028	0.20
1,2-Dichlorobenzene	0.20	U	0.018	0.20
1,2,4-Trichlorobenzene	0.50	U	0.034	0.50
Hexachloro-1,3-butadiene	0.20	U	0.036	0.20
Naphthalene	0.50	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	3.3		0.28	2.5
Freon 22	1.2	J	0.28	1.8
Freon-114	1.4	U	0.36	1.4
Chloromethane	1.0	U	0.12	1.0
n-Butane	1.2	U	0.43	1.2
Vinyl chloride	2.7		0.066	0.10
1,3-Butadiene	0.44	U	0.080	0.44
Bromomethane	0.78	U	0.17	0.78
Chloroethane	1.3	U	0.16	1.3
Vinyl bromide	0.87	U	0.087	0.87
Freon 11	1.8		0.25	1.1
Freon 113	59		0.31	1.5
1,1-Dichloroethene	0.70	J	0.040	0.79
Acetone	12	U	1.6	12
Isopropyl alcohol	12	U	0.37	12
Carbon disulfide	1.6	U	0.093	1.6
Allyl chloride	1.6	U	0.50	1.6

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **GCTS POST CARBON**

Lab Sample ID: 200-24717-3
Client Matrix: Air

Date Sampled: 10/09/2014 1703
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	9990_007.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/14/2014 1528			Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1528			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	1.3	J	0.42	1.7
tert-Butyl alcohol	15	U	0.36	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.099	0.70
1,1-Dichloroethane	52		0.11	0.81
Methyl Ethyl Ketone	4.1		0.27	1.5
cis-1,2-Dichloroethene	130		0.12	0.79
1,2-Dichloroethene, Total	130		0.21	0.79
Chloroform	1.4		0.19	0.98
Tetrahydrofuran	1.3	J	0.53	15
1,1,1-Trichloroethane	1.1	U	0.16	1.1
Cyclohexane	0.69	U	0.034	0.69
Carbon tetrachloride	0.25	U	0.069	0.25
2,2,4-Trimethylpentane	0.93	U	0.11	0.93
Benzene	0.13	J	0.093	0.64
1,2-Dichloroethane	0.81	U	0.21	0.81
Heptane	0.82	U	0.15	0.82
Trichloroethene	0.21		0.16	0.21
Methyl methacrylate	2.0	U	0.39	2.0
1,2-Dichloropropane	0.92	U	0.16	0.92
1,4-Dioxane	18	U	0.58	18
Bromodichloromethane	1.3	U	0.19	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.74	2.0
Toluene	0.46	J	0.094	0.75
trans-1,3-Dichloropropene	0.91	U	0.12	0.91
1,1,2-Trichloroethane	1.1	U	0.20	1.1
Tetrachloroethene	0.22	J	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.70	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.14	1.5
Chlorobenzene	0.92	U	0.083	0.92
Ethylbenzene	0.87	U	0.087	0.87
m,p-Xylene	0.36	J	0.11	2.2
Xylene, o-	0.39	J	0.078	0.87
Xylene (total)	0.76	J	0.18	0.87
Styrene	0.22	J	0.068	0.85
Bromoform	2.1	U	0.26	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.23	1.4
n-Propylbenzene	0.98	U	0.13	0.98
4-Ethyltoluene	0.98	U	0.098	0.98
1,3,5-Trimethylbenzene	0.98	U	0.093	0.98
2-Chlorotoluene	1.0	U	0.16	1.0
tert-Butylbenzene	1.1	U	0.11	1.1
1,2,4-Trimethylbenzene	0.37	J	0.079	0.98

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Client Sample ID: **GCTS POST CARBON**

Lab Sample ID: 200-24717-3
Client Matrix: Air

Date Sampled: 10/09/2014 1703
Date Received: 10/11/2014 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	9990_007.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/14/2014 1528			Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1528			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.12	1.1
4-Isopropyltoluene	1.1	U	0.11	1.1
1,3-Dichlorobenzene	1.2	U	0.12	1.2
1,4-Dichlorobenzene	1.2	U	0.11	1.2
Benzyl chloride	1.0	U	0.093	1.0
n-Butylbenzene	1.1	U	0.15	1.1
1,2-Dichlorobenzene	1.2	U	0.11	1.2
1,2,4-Trichlorobenzene	3.7	U	0.25	3.7
Hexachloro-1,3-butadiene	2.1	U	0.38	2.1
Naphthalene	2.6	U	0.16	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Method Blank - Batch: 200-78645

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-78645/4	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	9990_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/14/2014 1252	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1252			Injection Volume:	5 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	0.50	U	0.056	0.50
Freon 22	0.50	U	0.080	0.50
Freon-114	0.20	U	0.052	0.20
Chloromethane	0.50	U	0.060	0.50
n-Butane	0.50	U	0.18	0.50
Vinyl chloride	0.040	U	0.026	0.040
1,3-Butadiene	0.20	U	0.036	0.20
Bromomethane	0.20	U	0.044	0.20
Chloroethane	0.50	U	0.061	0.50
Vinyl bromide	0.20	U	0.020	0.20
Freon 11	0.20	U	0.045	0.20
Freon 113	0.20	U	0.041	0.20
1,1-Dichloroethene	0.20	U	0.010	0.20
Acetone	5.0	U	0.69	5.0
Isopropyl alcohol	5.0	U	0.15	5.0
Carbon disulfide	0.50	U	0.030	0.50
Allyl chloride	0.50	U	0.16	0.50
Methylene Chloride	0.50	U	0.12	0.50
tert-Butyl alcohol	5.0	U	0.12	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.027	0.20
Hexane	0.20	U	0.028	0.20
1,1-Dichloroethane	0.20	U	0.028	0.20
Methyl Ethyl Ketone	0.50	U	0.092	0.50
cis-1,2-Dichloroethene	0.20	U	0.030	0.20
1,2-Dichloroethene, Total	0.20	U	0.053	0.20
Chloroform	0.20	U	0.038	0.20
Tetrahydrofuran	5.0	U	0.18	5.0
1,1,1-Trichloroethane	0.20	U	0.030	0.20
Cyclohexane	0.20	U	0.010	0.20
Carbon tetrachloride	0.040	U	0.011	0.040
2,2,4-Trimethylpentane	0.20	U	0.023	0.20
Benzene	0.20	U	0.029	0.20
1,2-Dichloroethane	0.20	U	0.052	0.20
Heptane	0.20	U	0.037	0.20
Trichloroethene	0.040	U	0.030	0.040
Methyl methacrylate	0.50	U	0.096	0.50
1,2-Dichloropropane	0.20	U	0.035	0.20
1,4-Dioxane	5.0	U	0.16	5.0
Bromodichloromethane	0.20	U	0.029	0.20
cis-1,3-Dichloropropene	0.20	U	0.029	0.20
methyl isobutyl ketone	0.50	U	0.18	0.50
Toluene	0.20	U	0.025	0.20
trans-1,3-Dichloropropene	0.20	U	0.026	0.20
1,1,2-Trichloroethane	0.20	U	0.037	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Method Blank - Batch: 200-78645

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-78645/4	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	9990_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/14/2014 1252	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1252			Injection Volume:	5 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.20	U	0.030	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.17	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.018	0.20
Chlorobenzene	0.20	U	0.018	0.20
Ethylbenzene	0.20	U	0.020	0.20
m,p-Xylene	0.50	U	0.025	0.50
Xylene, o-	0.20	U	0.018	0.20
Xylene (total)	0.20	U	0.041	0.20
Styrene	0.20	U	0.016	0.20
Bromoform	0.20	U	0.025	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.034	0.20
n-Propylbenzene	0.20	U	0.027	0.20
4-Ethyltoluene	0.20	U	0.020	0.20
1,3,5-Trimethylbenzene	0.20	U	0.019	0.20
2-Chlorotoluene	0.20	U	0.031	0.20
tert-Butylbenzene	0.20	U	0.020	0.20
1,2,4-Trimethylbenzene	0.20	U	0.016	0.20
sec-Butylbenzene	0.20	U	0.021	0.20
4-Isopropyltoluene	0.20	U	0.020	0.20
1,3-Dichlorobenzene	0.20	U	0.020	0.20
1,4-Dichlorobenzene	0.20	U	0.019	0.20
Benzyl chloride	0.20	U	0.018	0.20
n-Butylbenzene	0.20	U	0.028	0.20
1,2-Dichlorobenzene	0.20	U	0.018	0.20
1,2,4-Trichlorobenzene	0.50	U	0.034	0.50
Hexachloro-1,3-butadiene	0.20	U	0.036	0.20
Naphthalene	0.50	U	0.030	0.50

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Method Blank - Batch: 200-78645

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-78645/4	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	9990_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/14/2014 1252	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1252			Injection Volume:	5 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	2.5	U	0.28	2.5
Freon 22	1.8	U	0.28	1.8
Freon-114	1.4	U	0.36	1.4
Chloromethane	1.0	U	0.12	1.0
n-Butane	1.2	U	0.43	1.2
Vinyl chloride	0.10	U	0.066	0.10
1,3-Butadiene	0.44	U	0.080	0.44
Bromomethane	0.78	U	0.17	0.78
Chloroethane	1.3	U	0.16	1.3
Vinyl bromide	0.87	U	0.087	0.87
Freon 11	1.1	U	0.25	1.1
Freon 113	1.5	U	0.31	1.5
1,1-Dichloroethene	0.79	U	0.040	0.79
Acetone	12	U	1.6	12
Isopropyl alcohol	12	U	0.37	12
Carbon disulfide	1.6	U	0.093	1.6
Allyl chloride	1.6	U	0.50	1.6
Methylene Chloride	1.7	U	0.42	1.7
tert-Butyl alcohol	15	U	0.36	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.099	0.70
1,1-Dichloroethane	0.81	U	0.11	0.81
Methyl Ethyl Ketone	1.5	U	0.27	1.5
cis-1,2-Dichloroethene	0.79	U	0.12	0.79
1,2-Dichloroethene, Total	0.79	U	0.21	0.79
Chloroform	0.98	U	0.19	0.98
Tetrahydrofuran	15	U	0.53	15
1,1,1-Trichloroethane	1.1	U	0.16	1.1
Cyclohexane	0.69	U	0.034	0.69
Carbon tetrachloride	0.25	U	0.069	0.25
2,2,4-Trimethylpentane	0.93	U	0.11	0.93
Benzene	0.64	U	0.093	0.64
1,2-Dichloroethane	0.81	U	0.21	0.81
Heptane	0.82	U	0.15	0.82
Trichloroethene	0.21	U	0.16	0.21
Methyl methacrylate	2.0	U	0.39	2.0
1,2-Dichloropropane	0.92	U	0.16	0.92
1,4-Dioxane	18	U	0.58	18
Bromodichloromethane	1.3	U	0.19	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.74	2.0
Toluene	0.75	U	0.094	0.75
trans-1,3-Dichloropropene	0.91	U	0.12	0.91
1,1,2-Trichloroethane	1.1	U	0.20	1.1

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Method Blank - Batch: 200-78645

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-78645/4	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	9990_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/14/2014 1252	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1252			Injection Volume:	5 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.4	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.70	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.14	1.5
Chlorobenzene	0.92	U	0.083	0.92
Ethylbenzene	0.87	U	0.087	0.87
m,p-Xylene	2.2	U	0.11	2.2
Xylene, o-	0.87	U	0.078	0.87
Xylene (total)	0.87	U	0.18	0.87
Styrene	0.85	U	0.068	0.85
Bromoform	2.1	U	0.26	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.23	1.4
n-Propylbenzene	0.98	U	0.13	0.98
4-Ethyltoluene	0.98	U	0.098	0.98
1,3,5-Trimethylbenzene	0.98	U	0.093	0.98
2-Chlorotoluene	1.0	U	0.16	1.0
tert-Butylbenzene	1.1	U	0.11	1.1
1,2,4-Trimethylbenzene	0.98	U	0.079	0.98
sec-Butylbenzene	1.1	U	0.12	1.1
4-Isopropyltoluene	1.1	U	0.11	1.1
1,3-Dichlorobenzene	1.2	U	0.12	1.2
1,4-Dichlorobenzene	1.2	U	0.11	1.2
Benzyl chloride	1.0	U	0.093	1.0
n-Butylbenzene	1.1	U	0.15	1.1
1,2-Dichlorobenzene	1.2	U	0.11	1.2
1,2,4-Trichlorobenzene	3.7	U	0.25	3.7
Hexachloro-1,3-butadiene	2.1	U	0.38	2.1
Naphthalene	2.6	U	0.16	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Control Sample - Batch: 200-78645

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-78645/3	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	9990_003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/14/2014 1200	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1200			Injection Volume:	5 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Freon 12	10.0	10.7	107	70 - 130	
Freon 22	10.0	9.97	100	70 - 130	
Freon-114	10.0	11.3	113	70 - 130	
Chloromethane	10.0	9.14	91	70 - 130	
n-Butane	10.0	9.13	91	70 - 130	
Vinyl chloride	10.0	9.01	90	70 - 130	
1,3-Butadiene	10.0	9.23	92	70 - 130	
Bromomethane	10.0	9.41	94	70 - 130	
Chloroethane	10.0	9.09	91	70 - 130	
Vinyl bromide	10.0	9.52	95	70 - 130	
Freon 11	10.0	10.1	101	70 - 130	
Freon 113	10.0	9.85	99	70 - 130	
1,1-Dichloroethene	10.0	9.67	97	70 - 130	
Acetone	10.0	11.0	110	70 - 130	
Isopropyl alcohol	10.0	8.62	86	70 - 130	
Carbon disulfide	10.0	12.6	126	70 - 130	
Allyl chloride	10.0	8.96	90	70 - 130	
Methylene Chloride	10.0	9.18	92	70 - 130	
tert-Butyl alcohol	10.0	8.94	89	70 - 130	
Methyl tert-butyl ether	10.0	10.0	100	70 - 130	
trans-1,2-Dichloroethene	10.0	10.3	103	70 - 130	
Hexane	10.0	10.4	104	70 - 130	
1,1-Dichloroethane	10.0	9.73	97	70 - 130	
Methyl Ethyl Ketone	10.0	9.13	91	70 - 130	
cis-1,2-Dichloroethene	10.0	9.76	98	70 - 130	
Chloroform	10.0	9.87	99	70 - 130	
Tetrahydrofuran	10.0	9.76	98	70 - 130	
1,1,1-Trichloroethane	10.0	10.3	103	70 - 130	
Cyclohexane	10.0	10.0	100	70 - 130	
Carbon tetrachloride	10.0	10.5	105	70 - 130	
2,2,4-Trimethylpentane	10.0	9.81	98	70 - 130	
Benzene	10.0	9.57	96	70 - 130	
1,2-Dichloroethane	10.0	10.0	100	70 - 130	
Heptane	10.0	9.83	98	70 - 130	
Trichloroethene	10.0	10.1	101	70 - 130	
Methyl methacrylate	10.0	9.78	98	70 - 130	
1,2-Dichloropropane	10.0	9.49	95	70 - 130	
1,4-Dioxane	10.0	10.2	102	70 - 130	
Bromodichloromethane	10.0	9.97	100	70 - 130	
cis-1,3-Dichloropropene	10.0	10.1	101	70 - 130	
methyl isobutyl ketone	10.0	10.1	101	70 - 130	
Toluene	10.0	9.90	99	70 - 130	
trans-1,3-Dichloropropene	10.0	10.1	101	70 - 130	
1,1,2-Trichloroethane	10.0	9.82	98	70 - 130	
Tetrachloroethene	10.0	10.0	101	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.67	97	70 - 130	

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Control Sample - Batch: 200-78645

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-78645/3	Analysis Batch:	200-78645	Instrument ID:	CHB.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	9990_003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/14/2014 1200	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	10/14/2014 1200			Injection Volume:	5 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	10.0	100	70 - 130	
1,2-Dibromoethane	10.0	10.2	102	70 - 130	
Chlorobenzene	10.0	9.73	97	70 - 130	
Ethylbenzene	10.0	9.66	97	70 - 130	
m,p-Xylene	20.0	19.4	97	70 - 130	
Xylene, o-	10.0	9.85	99	70 - 130	
Styrene	10.0	9.28	93	70 - 130	
Bromoform	10.0	9.97	100	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.88	99	70 - 130	
n-Propylbenzene	10.0	9.98	100	70 - 130	
4-Ethyltoluene	10.0	10.1	101	70 - 130	
1,3,5-Trimethylbenzene	10.0	10.2	102	70 - 130	
2-Chlorotoluene	10.0	9.83	98	70 - 130	
tert-Butylbenzene	10.0	10.2	102	70 - 130	
1,2,4-Trimethylbenzene	10.0	10.1	101	70 - 130	
sec-Butylbenzene	10.0	10.1	101	70 - 130	
4-Isopropyltoluene	10.0	10.4	104	70 - 130	
1,3-Dichlorobenzene	10.0	9.41	94	70 - 130	
1,4-Dichlorobenzene	10.0	9.58	96	70 - 130	
Benzyl chloride	10.0	9.21	92	70 - 130	
n-Butylbenzene	10.0	10.1	101	70 - 130	
1,2-Dichlorobenzene	10.0	9.70	97	70 - 130	
1,2,4-Trichlorobenzene	10.0	8.61	86	70 - 130	
Hexachloro-1,3-butadiene	10.0	9.15	91	70 - 130	
Naphthalene	10.0	7.71	77	70 - 130	

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Method Blank - Batch: 200-78704

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-78704/4	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10013_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 1301	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1301			Injection Volume:	5 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	0.50	U	0.056	0.50
Freon 22	0.50	U	0.080	0.50
Freon-114	0.20	U	0.052	0.20
Chloromethane	0.50	U	0.060	0.50
n-Butane	0.50	U	0.18	0.50
Vinyl chloride	0.040	U	0.026	0.040
1,3-Butadiene	0.20	U	0.036	0.20
Bromomethane	0.20	U	0.044	0.20
Chloroethane	0.50	U	0.061	0.50
Vinyl bromide	0.20	U	0.020	0.20
Freon 11	0.20	U	0.045	0.20
Freon 113	0.20	U	0.041	0.20
1,1-Dichloroethene	0.20	U	0.010	0.20
Acetone	5.0	U	0.69	5.0
Isopropyl alcohol	5.0	U	0.15	5.0
Carbon disulfide	0.50	U	0.030	0.50
Allyl chloride	0.50	U	0.16	0.50
Methylene Chloride	0.50	U	0.12	0.50
tert-Butyl alcohol	5.0	U	0.12	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.027	0.20
Hexane	0.20	U	0.028	0.20
1,1-Dichloroethane	0.20	U	0.028	0.20
Methyl Ethyl Ketone	0.50	U	0.092	0.50
cis-1,2-Dichloroethene	0.20	U	0.030	0.20
1,2-Dichloroethene, Total	0.20	U	0.053	0.20
Chloroform	0.20	U	0.038	0.20
Tetrahydrofuran	5.0	U	0.18	5.0
1,1,1-Trichloroethane	0.20	U	0.030	0.20
Cyclohexane	0.20	U	0.010	0.20
Carbon tetrachloride	0.040	U	0.011	0.040
2,2,4-Trimethylpentane	0.20	U	0.023	0.20
Benzene	0.20	U	0.029	0.20
1,2-Dichloroethane	0.20	U	0.052	0.20
Heptane	0.20	U	0.037	0.20
Trichloroethene	0.040	U	0.030	0.040
Methyl methacrylate	0.50	U	0.096	0.50
1,2-Dichloropropane	0.20	U	0.035	0.20
1,4-Dioxane	5.0	U	0.16	5.0
Bromodichloromethane	0.20	U	0.029	0.20
cis-1,3-Dichloropropene	0.20	U	0.029	0.20
methyl isobutyl ketone	0.50	U	0.18	0.50
Toluene	0.20	U	0.025	0.20
trans-1,3-Dichloropropene	0.20	U	0.026	0.20
1,1,2-Trichloroethane	0.20	U	0.037	0.20

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Method Blank - Batch: 200-78704

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-78704/4	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10013_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 1301	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1301			Injection Volume:	5 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.20	U	0.030	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.17	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.018	0.20
Chlorobenzene	0.20	U	0.018	0.20
Ethylbenzene	0.20	U	0.020	0.20
m,p-Xylene	0.50	U	0.025	0.50
Xylene, o-	0.20	U	0.018	0.20
Xylene (total)	0.20	U	0.041	0.20
Styrene	0.20	U	0.016	0.20
Bromoform	0.20	U	0.025	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.034	0.20
n-Propylbenzene	0.20	U	0.027	0.20
4-Ethyltoluene	0.20	U	0.020	0.20
1,3,5-Trimethylbenzene	0.20	U	0.019	0.20
2-Chlorotoluene	0.20	U	0.031	0.20
tert-Butylbenzene	0.20	U	0.020	0.20
1,2,4-Trimethylbenzene	0.20	U	0.016	0.20
sec-Butylbenzene	0.20	U	0.021	0.20
4-Isopropyltoluene	0.20	U	0.020	0.20
1,3-Dichlorobenzene	0.20	U	0.020	0.20
1,4-Dichlorobenzene	0.20	U	0.019	0.20
Benzyl chloride	0.20	U	0.018	0.20
n-Butylbenzene	0.20	U	0.028	0.20
1,2-Dichlorobenzene	0.20	U	0.018	0.20
1,2,4-Trichlorobenzene	0.50	U	0.034	0.50
Hexachloro-1,3-butadiene	0.20	U	0.036	0.20
Naphthalene	0.50	U	0.030	0.50

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Method Blank - Batch: 200-78704

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-78704/4	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10013_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 1301	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1301			Injection Volume:	5 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	2.5	U	0.28	2.5
Freon 22	1.8	U	0.28	1.8
Freon-114	1.4	U	0.36	1.4
Chloromethane	1.0	U	0.12	1.0
n-Butane	1.2	U	0.43	1.2
Vinyl chloride	0.10	U	0.066	0.10
1,3-Butadiene	0.44	U	0.080	0.44
Bromomethane	0.78	U	0.17	0.78
Chloroethane	1.3	U	0.16	1.3
Vinyl bromide	0.87	U	0.087	0.87
Freon 11	1.1	U	0.25	1.1
Freon 113	1.5	U	0.31	1.5
1,1-Dichloroethene	0.79	U	0.040	0.79
Acetone	12	U	1.6	12
Isopropyl alcohol	12	U	0.37	12
Carbon disulfide	1.6	U	0.093	1.6
Allyl chloride	1.6	U	0.50	1.6
Methylene Chloride	1.7	U	0.42	1.7
tert-Butyl alcohol	15	U	0.36	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.099	0.70
1,1-Dichloroethane	0.81	U	0.11	0.81
Methyl Ethyl Ketone	1.5	U	0.27	1.5
cis-1,2-Dichloroethene	0.79	U	0.12	0.79
1,2-Dichloroethene, Total	0.79	U	0.21	0.79
Chloroform	0.98	U	0.19	0.98
Tetrahydrofuran	15	U	0.53	15
1,1,1-Trichloroethane	1.1	U	0.16	1.1
Cyclohexane	0.69	U	0.034	0.69
Carbon tetrachloride	0.25	U	0.069	0.25
2,2,4-Trimethylpentane	0.93	U	0.11	0.93
Benzene	0.64	U	0.093	0.64
1,2-Dichloroethane	0.81	U	0.21	0.81
Heptane	0.82	U	0.15	0.82
Trichloroethene	0.21	U	0.16	0.21
Methyl methacrylate	2.0	U	0.39	2.0
1,2-Dichloropropane	0.92	U	0.16	0.92
1,4-Dioxane	18	U	0.58	18
Bromodichloromethane	1.3	U	0.19	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.74	2.0
Toluene	0.75	U	0.094	0.75
trans-1,3-Dichloropropene	0.91	U	0.12	0.91
1,1,2-Trichloroethane	1.1	U	0.20	1.1

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Method Blank - Batch: 200-78704

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-78704/4	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10013_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 1301	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1301			Injection Volume:	5 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.4	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.70	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.14	1.5
Chlorobenzene	0.92	U	0.083	0.92
Ethylbenzene	0.87	U	0.087	0.87
m,p-Xylene	2.2	U	0.11	2.2
Xylene, o-	0.87	U	0.078	0.87
Xylene (total)	0.87	U	0.18	0.87
Styrene	0.85	U	0.068	0.85
Bromoform	2.1	U	0.26	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.23	1.4
n-Propylbenzene	0.98	U	0.13	0.98
4-Ethyltoluene	0.98	U	0.098	0.98
1,3,5-Trimethylbenzene	0.98	U	0.093	0.98
2-Chlorotoluene	1.0	U	0.16	1.0
tert-Butylbenzene	1.1	U	0.11	1.1
1,2,4-Trimethylbenzene	0.98	U	0.079	0.98
sec-Butylbenzene	1.1	U	0.12	1.1
4-Isopropyltoluene	1.1	U	0.11	1.1
1,3-Dichlorobenzene	1.2	U	0.12	1.2
1,4-Dichlorobenzene	1.2	U	0.11	1.2
Benzyl chloride	1.0	U	0.093	1.0
n-Butylbenzene	1.1	U	0.15	1.1
1,2-Dichlorobenzene	1.2	U	0.11	1.2
1,2,4-Trichlorobenzene	3.7	U	0.25	3.7
Hexachloro-1,3-butadiene	2.1	U	0.38	2.1
Naphthalene	2.6	U	0.16	2.6

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Control Sample - Batch: 200-78704

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-78704/3	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10013_03.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 1209	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1209			Injection Volume:	5 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Freon 12	10.0	10.5	105	70 - 130	
Freon 22	10.0	9.65	97	70 - 130	
Freon-114	10.0	11.0	110	70 - 130	
Chloromethane	10.0	8.78	88	70 - 130	
n-Butane	10.0	8.83	88	70 - 130	
Vinyl chloride	10.0	8.86	89	70 - 130	
1,3-Butadiene	10.0	8.90	89	70 - 130	
Bromomethane	10.0	9.26	93	70 - 130	
Chloroethane	10.0	8.83	88	70 - 130	
Vinyl bromide	10.0	9.43	94	70 - 130	
Freon 11	10.0	9.91	99	70 - 130	
Freon 113	10.0	9.70	97	70 - 130	
1,1-Dichloroethene	10.0	9.22	92	70 - 130	
Acetone	10.0	10.7	107	70 - 130	
Isopropyl alcohol	10.0	8.29	83	70 - 130	
Carbon disulfide	10.0	12.3	123	70 - 130	
Allyl chloride	10.0	8.57	86	70 - 130	
Methylene Chloride	10.0	8.85	89	70 - 130	
tert-Butyl alcohol	10.0	8.60	86	70 - 130	
Methyl tert-butyl ether	10.0	9.67	97	70 - 130	
trans-1,2-Dichloroethene	10.0	10.1	101	70 - 130	
Hexane	10.0	9.99	100	70 - 130	
1,1-Dichloroethane	10.0	9.49	95	70 - 130	
Methyl Ethyl Ketone	10.0	8.88	89	70 - 130	
cis-1,2-Dichloroethene	10.0	9.53	95	70 - 130	
Chloroform	10.0	9.71	97	70 - 130	
Tetrahydrofuran	10.0	9.42	94	70 - 130	
1,1,1-Trichloroethane	10.0	10.2	102	70 - 130	
Cyclohexane	10.0	9.97	100	70 - 130	
Carbon tetrachloride	10.0	10.3	103	70 - 130	
2,2,4-Trimethylpentane	10.0	9.63	96	70 - 130	
Benzene	10.0	9.44	94	70 - 130	
1,2-Dichloroethane	10.0	9.84	98	70 - 130	
Heptane	10.0	9.52	95	70 - 130	
Trichloroethene	10.0	10.1	101	70 - 130	
Methyl methacrylate	10.0	9.53	95	70 - 130	
1,2-Dichloropropane	10.0	9.36	94	70 - 130	
1,4-Dioxane	10.0	10.2	102	70 - 130	
Bromodichloromethane	10.0	9.88	99	70 - 130	
cis-1,3-Dichloropropene	10.0	10.1	101	70 - 130	
methyl isobutyl ketone	10.0	9.81	98	70 - 130	
Toluene	10.0	9.78	98	70 - 130	
trans-1,3-Dichloropropene	10.0	9.95	99	70 - 130	
1,1,2-Trichloroethane	10.0	9.69	97	70 - 130	
Tetrachloroethene	10.0	10.0	100	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.30	93	70 - 130	

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Control Sample - Batch: 200-78704

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-78704/3	Analysis Batch:	200-78704	Instrument ID:	CHB.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	10013_03.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/15/2014 1209	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	10/15/2014 1209			Injection Volume:	5 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	10.0	100	70 - 130	
1,2-Dibromoethane	10.0	10.1	101	70 - 130	
Chlorobenzene	10.0	9.72	97	70 - 130	
Ethylbenzene	10.0	9.52	95	70 - 130	
m,p-Xylene	20.0	19.2	96	70 - 130	
Xylene, o-	10.0	9.66	97	70 - 130	
Styrene	10.0	9.19	92	70 - 130	
Bromoform	10.0	10.0	100	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.75	98	70 - 130	
n-Propylbenzene	10.0	9.86	99	70 - 130	
4-Ethyltoluene	10.0	10.1	101	70 - 130	
1,3,5-Trimethylbenzene	10.0	10.1	101	70 - 130	
2-Chlorotoluene	10.0	9.57	96	70 - 130	
tert-Butylbenzene	10.0	10.1	101	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.94	99	70 - 130	
sec-Butylbenzene	10.0	10.0	100	70 - 130	
4-Isopropyltoluene	10.0	10.3	103	70 - 130	
1,3-Dichlorobenzene	10.0	9.38	94	70 - 130	
1,4-Dichlorobenzene	10.0	9.55	96	70 - 130	
Benzyl chloride	10.0	9.09	91	70 - 130	
n-Butylbenzene	10.0	9.87	99	70 - 130	
1,2-Dichlorobenzene	10.0	9.66	97	70 - 130	
1,2,4-Trichlorobenzene	10.0	8.79	88	70 - 130	
Hexachloro-1,3-butadiene	10.0	9.46	95	70 - 130	
Naphthalene	10.0	7.83	78	70 - 130	

DATA REPORTING QUALIFIERS

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

Lab Section	Qualifier	Description
Air - GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
Sdg Number: 200-24716

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-78645					
LCS 200-78645/3	Lab Control Sample	T	Air	TO-15	
MB 200-78645/4	Method Blank	T	Air	TO-15	
200-24717-1	GCTS PRE CARBON	T	Air	TO-15	
200-24717-2	GCTS MID CARBON	T	Air	TO-15	
200-24717-3	GCTS POST CARBON	T	Air	TO-15	
Analysis Batch:200-78704					
LCS 200-78704/3	Lab Control Sample	T	Air	TO-15	
MB 200-78704/4	Method Blank	T	Air	TO-15	
200-24716-1	SDS-1	T	Air	TO-15	
200-24716-2	SDS-2	T	Air	TO-15	
200-24716-3	SDS-3	T	Air	TO-15	
200-24716-4	SDS-4	T	Air	TO-15	
200-24716-5	SDS-5	T	Air	TO-15	
200-24716-6	SDS-6	T	Air	TO-15	
200-24716-7	SDS-7	T	Air	TO-15	
200-24716-8	SDS-8	T	Air	TO-15	
200-24716-9	VP GAC MID	T	Air	TO-15	
200-24716-10	VP GAC POST	T	Air	TO-15	

Report Basis
T = Total

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
SDG: 200-24716

Laboratory Chronicle

Lab ID: 200-24716-1 **Client ID:** SDS-1

Sample Date/Time: 10/09/2014 14:27 Received Date/Time: 10/11/2014 10:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-24716-A-1		200-78704		10/15/2014 15:25	8	TAL BUR	PAD
A:TO-15	200-24716-A-1		200-78704		10/15/2014 15:25	8	TAL BUR	PAD

Lab ID: 200-24716-2 **Client ID:** SDS-2

Sample Date/Time: 10/09/2014 14:20 Received Date/Time: 10/11/2014 10:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-24716-A-2		200-78704		10/15/2014 16:17	5	TAL BUR	PAD
A:TO-15	200-24716-A-2		200-78704		10/15/2014 16:17	5	TAL BUR	PAD

Lab ID: 200-24716-3 **Client ID:** SDS-3

Sample Date/Time: 10/09/2014 14:40 Received Date/Time: 10/11/2014 10:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-24716-A-3		200-78704		10/15/2014 17:09	1	TAL BUR	PAD
A:TO-15	200-24716-A-3		200-78704		10/15/2014 17:09	1	TAL BUR	PAD

Lab ID: 200-24716-4 **Client ID:** SDS-4

Sample Date/Time: 10/09/2014 14:32 Received Date/Time: 10/11/2014 10:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-24716-A-4		200-78704		10/15/2014 18:01	2	TAL BUR	PAD
A:TO-15	200-24716-A-4		200-78704		10/15/2014 18:01	2	TAL BUR	PAD

Lab ID: 200-24716-5 **Client ID:** SDS-5

Sample Date/Time: 10/09/2014 11:41 Received Date/Time: 10/11/2014 10:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-24716-A-5		200-78704		10/15/2014 18:53	8	TAL BUR	PAD
A:TO-15	200-24716-A-5		200-78704		10/15/2014 18:53	8	TAL BUR	PAD

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
SDG: 200-24716

Laboratory Chronicle

Lab ID: 200-24716-6 **Client ID:** SDS-6

Sample Date/Time: 10/09/2014 12:30 Received Date/Time: 10/11/2014 10:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-24716-A-6		200-78704		10/15/2014 19:46	17.2	TAL BUR	PAD
A:TO-15	200-24716-A-6		200-78704		10/15/2014 19:46	17.2	TAL BUR	PAD

Lab ID: 200-24716-7 **Client ID:** SDS-7

Sample Date/Time: 10/09/2014 12:23 Received Date/Time: 10/11/2014 10:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-24716-A-7		200-78704		10/15/2014 20:38	4	TAL BUR	PAD
A:TO-15	200-24716-A-7		200-78704		10/15/2014 20:38	4	TAL BUR	PAD

Lab ID: 200-24716-8 **Client ID:** SDS-8

Sample Date/Time: 10/09/2014 12:14 Received Date/Time: 10/11/2014 10:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-24716-A-8		200-78704		10/16/2014 07:45	2.99	TAL BUR	PAD
A:TO-15	200-24716-A-8		200-78704		10/16/2014 07:45	2.99	TAL BUR	PAD

Lab ID: 200-24716-9 **Client ID:** VP GAC MID

Sample Date/Time: 10/10/2014 09:31 Received Date/Time: 10/11/2014 10:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-24716-A-9		200-78704		10/15/2014 22:22	1	TAL BUR	PAD
A:TO-15	200-24716-A-9		200-78704		10/15/2014 22:22	1	TAL BUR	PAD

Lab ID: 200-24716-10 **Client ID:** VP GAC POST

Sample Date/Time: 10/10/2014 09:27 Received Date/Time: 10/11/2014 10:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-24716-A-10		200-78704		10/15/2014 23:14	1	TAL BUR	PAD
A:TO-15	200-24716-A-10		200-78704		10/15/2014 23:14	1	TAL BUR	PAD

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
SDG: 200-24716

Laboratory Chronicle

Lab ID: 200-24717-1 **Client ID:** GCTS PRE CARBON

Sample Date/Time: 10/09/2014 17:12 Received Date/Time: 10/11/2014 10:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-24717-A-1		200-78645		10/14/2014 13:44	2.99	TAL BUR	PAD
A:TO-15	200-24717-A-1		200-78645		10/14/2014 13:44	2.99	TAL BUR	PAD

Lab ID: 200-24717-2 **Client ID:** GCTS MID CARBON

Sample Date/Time: 10/09/2014 17:07 Received Date/Time: 10/11/2014 10:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-24717-A-2		200-78645		10/14/2014 14:36	2	TAL BUR	PAD
A:TO-15	200-24717-A-2		200-78645		10/14/2014 14:36	2	TAL BUR	PAD

Lab ID: 200-24717-3 **Client ID:** GCTS POST CARBON

Sample Date/Time: 10/09/2014 17:03 Received Date/Time: 10/11/2014 10:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-24717-A-3		200-78645		10/14/2014 15:28	1	TAL BUR	PAD
A:TO-15	200-24717-A-3		200-78645		10/14/2014 15:28	1	TAL BUR	PAD

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-78645/4		200-78645		10/14/2014 12:52	1	TAL BUR	PAD
A:TO-15	MB 200-78645/4		200-78645		10/14/2014 12:52	1	TAL BUR	PAD
P:Summa Canister	MB 200-78704/4		200-78704		10/15/2014 13:01	1	TAL BUR	PAD
A:TO-15	MB 200-78704/4		200-78704		10/15/2014 13:01	1	TAL BUR	PAD

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-78645/3		200-78645		10/14/2014 12:00	1	TAL BUR	PAD
A:TO-15	LCS 200-78645/3		200-78645		10/14/2014 12:00	1	TAL BUR	PAD
P:Summa Canister	LCS 200-78704/3		200-78704		10/15/2014 12:09	1	TAL BUR	PAD
A:TO-15	LCS 200-78704/3		200-78704		10/15/2014 12:09	1	TAL BUR	PAD

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
SDG: 200-24716

Laboratory Chronicle

Lab References:
TAL BUR = TestAmerica Burlington

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: LMC Utica

TestAmerica Job ID: 200-24716-1
SDG: 200-24716

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA
TestAmerica Burlington	Florida	NELAP	4	E87467
TestAmerica Burlington	L-A-B	DoD ELAP		L2336
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAP	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAP	1	2006
TestAmerica Burlington	New Jersey	NELAP	2	VT972
TestAmerica Burlington	New York	NELAP	2	10391
TestAmerica Burlington	Pennsylvania	NELAP	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	US Fish & Wildlife	Federal		LE-058448-0
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAP	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method TO15

Volatile Organic Compounds (GC/MS)
by Method TO15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Matrix: Air Level: Low Lab File ID: 9990_003.D

Lab ID: LCS 200-78645/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 12	10.0	10.7	107	70-130	
Freon 22	10.0	9.97	100	70-130	
Freon-114	10.0	11.3	113	70-130	
Chloromethane	10.0	9.14	91	70-130	
n-Butane	10.0	9.13	91	70-130	
Vinyl chloride	10.0	9.01	90	70-130	
1,3-Butadiene	10.0	9.23	92	70-130	
Bromomethane	10.0	9.41	94	70-130	
Chloroethane	10.0	9.09	91	70-130	
Vinyl bromide	10.0	9.52	95	70-130	
Freon 11	10.0	10.1	101	70-130	
Freon 113	10.0	9.85	99	70-130	
1,1-Dichloroethene	10.0	9.67	97	70-130	
Acetone	10.0	11.0	110	70-130	
Isopropyl alcohol	10.0	8.62	86	70-130	
Carbon disulfide	10.0	12.6	126	70-130	
Allyl chloride	10.0	8.96	90	70-130	
Methylene Chloride	10.0	9.18	92	70-130	
tert-Butyl alcohol	10.0	8.94	89	70-130	
Methyl tert-butyl ether	10.0	10.0	100	70-130	
trans-1,2-Dichloroethene	10.0	10.3	103	70-130	
Hexane	10.0	10.4	104	70-130	
1,1-Dichloroethane	10.0	9.73	97	70-130	
Methyl Ethyl Ketone	10.0	9.13	91	70-130	
cis-1,2-Dichloroethene	10.0	9.76	98	70-130	
Chloroform	10.0	9.87	99	70-130	
Tetrahydrofuran	10.0	9.76	98	70-130	
1,1,1-Trichloroethane	10.0	10.3	103	70-130	
Cyclohexane	10.0	10.0	100	70-130	
Carbon tetrachloride	10.0	10.5	105	70-130	
2,2,4-Trimethylpentane	10.0	9.81	98	70-130	
Benzene	10.0	9.57	96	70-130	
1,2-Dichloroethane	10.0	10.0	100	70-130	
Heptane	10.0	9.83	98	70-130	
Trichloroethene	10.0	10.1	101	70-130	
Methyl methacrylate	10.0	9.78	98	70-130	
1,2-Dichloropropane	10.0	9.49	95	70-130	
1,4-Dioxane	10.0	10.2	102	70-130	
Bromodichloromethane	10.0	9.97	100	70-130	
cis-1,3-Dichloropropene	10.0	10.1	101	70-130	
methyl isobutyl ketone	10.0	10.1	101	70-130	
Toluene	10.0	9.90	99	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Matrix: Air Level: Low Lab File ID: 9990_003.D

Lab ID: LCS 200-78645/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.1	101	70-130	
1,1,2-Trichloroethane	10.0	9.82	98	70-130	
Tetrachloroethene	10.0	10.0	101	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.67	97	70-130	
Dibromochloromethane	10.0	10.0	100	70-130	
1,2-Dibromoethane	10.0	10.2	102	70-130	
Chlorobenzene	10.0	9.73	97	70-130	
Ethylbenzene	10.0	9.66	97	70-130	
m,p-Xylene	20.0	19.4	97	70-130	
Xylene, o-	10.0	9.85	99	70-130	
Styrene	10.0	9.28	93	70-130	
Bromoform	10.0	9.97	100	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.88	99	70-130	
n-Propylbenzene	10.0	9.98	100	70-130	
4-Ethyltoluene	10.0	10.1	101	70-130	
1,3,5-Trimethylbenzene	10.0	10.2	102	70-130	
2-Chlorotoluene	10.0	9.83	98	70-130	
tert-Butylbenzene	10.0	10.2	102	70-130	
1,2,4-Trimethylbenzene	10.0	10.1	101	70-130	
sec-Butylbenzene	10.0	10.1	101	70-130	
4-Isopropyltoluene	10.0	10.4	104	70-130	
1,3-Dichlorobenzene	10.0	9.41	94	70-130	
1,4-Dichlorobenzene	10.0	9.58	96	70-130	
Benzyl chloride	10.0	9.21	92	70-130	
n-Butylbenzene	10.0	10.1	101	70-130	
1,2-Dichlorobenzene	10.0	9.70	97	70-130	
1,2,4-Trichlorobenzene	10.0	8.61	86	70-130	
Hexachloro-1,3-butadiene	10.0	9.15	91	70-130	
Naphthalene	10.0	7.71	77	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Matrix: Air Level: Low Lab File ID: 10013_03.D

Lab ID: LCS 200-78704/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 12	10.0	10.5	105	70-130	
Freon 22	10.0	9.65	97	70-130	
Freon-114	10.0	11.0	110	70-130	
Chloromethane	10.0	8.78	88	70-130	
n-Butane	10.0	8.83	88	70-130	
Vinyl chloride	10.0	8.86	89	70-130	
1,3-Butadiene	10.0	8.90	89	70-130	
Bromomethane	10.0	9.26	93	70-130	
Chloroethane	10.0	8.83	88	70-130	
Vinyl bromide	10.0	9.43	94	70-130	
Freon 11	10.0	9.91	99	70-130	
Freon 113	10.0	9.70	97	70-130	
1,1-Dichloroethene	10.0	9.22	92	70-130	
Acetone	10.0	10.7	107	70-130	
Isopropyl alcohol	10.0	8.29	83	70-130	
Carbon disulfide	10.0	12.3	123	70-130	
Allyl chloride	10.0	8.57	86	70-130	
Methylene Chloride	10.0	8.85	89	70-130	
tert-Butyl alcohol	10.0	8.60	86	70-130	
Methyl tert-butyl ether	10.0	9.67	97	70-130	
trans-1,2-Dichloroethene	10.0	10.1	101	70-130	
Hexane	10.0	9.99	100	70-130	
1,1-Dichloroethane	10.0	9.49	95	70-130	
Methyl Ethyl Ketone	10.0	8.88	89	70-130	
cis-1,2-Dichloroethene	10.0	9.53	95	70-130	
Chloroform	10.0	9.71	97	70-130	
Tetrahydrofuran	10.0	9.42	94	70-130	
1,1,1-Trichloroethane	10.0	10.2	102	70-130	
Cyclohexane	10.0	9.97	100	70-130	
Carbon tetrachloride	10.0	10.3	103	70-130	
2,2,4-Trimethylpentane	10.0	9.63	96	70-130	
Benzene	10.0	9.44	94	70-130	
1,2-Dichloroethane	10.0	9.84	98	70-130	
Heptane	10.0	9.52	95	70-130	
Trichloroethene	10.0	10.1	101	70-130	
Methyl methacrylate	10.0	9.53	95	70-130	
1,2-Dichloropropane	10.0	9.36	94	70-130	
1,4-Dioxane	10.0	10.2	102	70-130	
Bromodichloromethane	10.0	9.88	99	70-130	
cis-1,3-Dichloropropene	10.0	10.1	101	70-130	
methyl isobutyl ketone	10.0	9.81	98	70-130	
Toluene	10.0	9.78	98	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Matrix: Air Level: Low Lab File ID: 10013_03.D

Lab ID: LCS 200-78704/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	9.95	99	70-130	
1,1,2-Trichloroethane	10.0	9.69	97	70-130	
Tetrachloroethene	10.0	10.0	100	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.30	93	70-130	
Dibromochloromethane	10.0	10.0	100	70-130	
1,2-Dibromoethane	10.0	10.1	101	70-130	
Chlorobenzene	10.0	9.72	97	70-130	
Ethylbenzene	10.0	9.52	95	70-130	
m,p-Xylene	20.0	19.2	96	70-130	
Xylene, o-	10.0	9.66	97	70-130	
Styrene	10.0	9.19	92	70-130	
Bromoform	10.0	10.0	100	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.75	98	70-130	
n-Propylbenzene	10.0	9.86	99	70-130	
4-Ethyltoluene	10.0	10.1	101	70-130	
1,3,5-Trimethylbenzene	10.0	10.1	101	70-130	
2-Chlorotoluene	10.0	9.57	96	70-130	
tert-Butylbenzene	10.0	10.1	101	70-130	
1,2,4-Trimethylbenzene	10.0	9.94	99	70-130	
sec-Butylbenzene	10.0	10.0	100	70-130	
4-Isopropyltoluene	10.0	10.3	103	70-130	
1,3-Dichlorobenzene	10.0	9.38	94	70-130	
1,4-Dichlorobenzene	10.0	9.55	96	70-130	
Benzyl chloride	10.0	9.09	91	70-130	
n-Butylbenzene	10.0	9.87	99	70-130	
1,2-Dichlorobenzene	10.0	9.66	97	70-130	
1,2,4-Trichlorobenzene	10.0	8.79	88	70-130	
Hexachloro-1,3-butadiene	10.0	9.46	95	70-130	
Naphthalene	10.0	7.83	78	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Lab File ID: 9990_004.D Lab Sample ID: MB 200-78645/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHB.i Date Analyzed: 10/14/2014 12:52

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-78645/3	9990_003.D	10/14/2014 12:00
GCTS PRE CARBON	200-24717-1	9990_005.D	10/14/2014 13:44
GCTS MID CARBON	200-24717-2	9990_006.D	10/14/2014 14:36
GCTS POST CARBON	200-24717-3	9990_007.D	10/14/2014 15:28

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Lab File ID: 10013_04.D Lab Sample ID: MB 200-78704/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHB.i Date Analyzed: 10/15/2014 13:01

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-78704/3	10013_03.D	10/15/2014 12:09
SDS-1	200-24716-1	10013_06.D	10/15/2014 15:25
SDS-2	200-24716-2	10013_07.D	10/15/2014 16:17
SDS-3	200-24716-3	10013_08.D	10/15/2014 17:09
SDS-4	200-24716-4	10013_09.D	10/15/2014 18:01
SDS-5	200-24716-5	10013_10.D	10/15/2014 18:53
SDS-6	200-24716-6	10013_11.D	10/15/2014 19:46
SDS-7	200-24716-7	10013_12.D	10/15/2014 20:38
VP GAC MID	200-24716-9	10013_14.D	10/15/2014 22:22
VP GAC POST	200-24716-10	10013_15.D	10/15/2014 23:14
SDS-8	200-24716-8	10013_21.D	10/16/2014 07:45

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Lab File ID: 9579_001.D BFB Injection Date: 09/21/2014

Instrument ID: CHB.i BFB Injection Time: 18:34

Analysis Batch No.: 77543

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.2	
75	30.0 - 66.0% of mass 95	46.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	84.3	
175	4.0 - 9.0 % of mass 174	5.9	(7.0)1
176	93.0 - 101.0% of mass 174	81.6	(96.7)1
177	5.0 - 9.0% of mass 176	5.2	(6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-77543/7	9579_007.D	09/21/2014	23:57
	IC 200-77543/8	9579_008.D	09/22/2014	00:49
	IC 200-77543/9	9579_009.D	09/22/2014	01:41
	IC 200-77543/10	9579_010.D	09/22/2014	02:33
	ICIS 200-77543/11	9579_011.D	09/22/2014	03:25
	IC 200-77543/12	9579_012.D	09/22/2014	04:17
	IC 200-77543/13	9579_013.D	09/22/2014	05:09
	IC 200-77543/14	9579_014.D	09/22/2014	06:01
	ICV 200-77543/18	9579_018.D	09/22/2014	09:30

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Lab File ID: 9990_001.D BFB Injection Date: 10/14/2014

Instrument ID: CHB.i BFB Injection Time: 10:16

Analysis Batch No.: 78645

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.8	
75	30.0 - 66.0% of mass 95	47.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.5	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	87.5	
175	4.0 - 9.0 % of mass 174	6.2	(7.0)1
176	93.0 - 101.0% of mass 174	84.7	(96.8)1
177	5.0 - 9.0% of mass 176	5.5	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-78645/2	9990_002.D	10/14/2014	11:08
	LCS 200-78645/3	9990_003.D	10/14/2014	12:00
	MB 200-78645/4	9990_004.D	10/14/2014	12:52
GCTS PRE CARBON	200-24717-1	9990_005.D	10/14/2014	13:44
GCTS MID CARBON	200-24717-2	9990_006.D	10/14/2014	14:36
GCTS POST CARBON	200-24717-3	9990_007.D	10/14/2014	15:28

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Lab File ID: 10013_001.D BFB Injection Date: 10/15/2014

Instrument ID: CHB.i BFB Injection Time: 10:28

Analysis Batch No.: 78704

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.8	
75	30.0 - 66.0% of mass 95	48.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	91.0	
175	4.0 - 9.0 % of mass 174	6.3	(7.0)1
176	93.0 - 101.0% of mass 174	87.8	(96.5)1
177	5.0 - 9.0% of mass 176	5.7	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-78704/2	10013_002.D	10/15/2014	11:17
	LCS 200-78704/3	10013_03.D	10/15/2014	12:09
	MB 200-78704/4	10013_04.D	10/15/2014	13:01
SDS-1	200-24716-1	10013_06.D	10/15/2014	15:25
SDS-2	200-24716-2	10013_07.D	10/15/2014	16:17
SDS-3	200-24716-3	10013_08.D	10/15/2014	17:09
SDS-4	200-24716-4	10013_09.D	10/15/2014	18:01
SDS-5	200-24716-5	10013_10.D	10/15/2014	18:53
SDS-6	200-24716-6	10013_11.D	10/15/2014	19:46
SDS-7	200-24716-7	10013_12.D	10/15/2014	20:38
VP GAC MID	200-24716-9	10013_14.D	10/15/2014	22:22
VP GAC POST	200-24716-10	10013_15.D	10/15/2014	23:14
SDS-8	200-24716-8	10013_21.D	10/16/2014	07:45

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Sample No.: ICIS 200-77543/11 Date Analyzed: 09/22/2014 03:25

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 9579_011.D Heated Purge: (Y/N) N

Calibration ID: 28016

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		690168	9.92	3353097	11.32	3035530	15.41
UPPER LIMIT		966235	10.25	4694336	11.65	4249742	15.74
LOWER LIMIT		414101	9.59	2011858	10.99	1821318	15.08
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-77543/18		722364	9.92	3508654	11.31	3137479	15.41

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Sample No.: CCVIS 200-78645/2 Date Analyzed: 10/14/2014 11:08

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 9990_002.D Heated Purge: (Y/N) N

Calibration ID: 28016

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		443692	9.91	2163797	11.31	1900252	15.40
UPPER LIMIT		621169	10.24	3029316	11.64	2660353	15.73
LOWER LIMIT		266215	9.58	1298278	10.98	1140151	15.07
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-78645/3		443091	9.91	2157946	11.31	1945006	15.40
MB 200-78645/4		452592	9.90	2228964	11.30	1988635	15.40
200-24717-1	GCTS PRE CARBON	414248	9.91	1982050	11.30	1747409	15.40
200-24717-2	GCTS MID CARBON	409123	9.91	1968301	11.30	1713177	15.40
200-24717-3	GCTS POST CARBON	424127	9.91	2028930	11.30	1745884	15.40

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Sample No.: CCVIS 200-78704/2 Date Analyzed: 10/15/2014 11:17

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 10013_002.D Heated Purge: (Y/N) N

Calibration ID: 28016

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		429284	9.91	2065239	11.30	1829349	15.40
UPPER LIMIT		600998	10.24	2891335	11.63	2561089	15.73
LOWER LIMIT		257570	9.58	1239143	10.97	1097609	15.07
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-78704/3		455226	9.91	2193602	11.31	1981523	15.40
MB 200-78704/4		449321	9.91	2217813	11.30	1962668	15.40
200-24716-1	SDS-1	437709	9.90	2090106	11.30	1810193	15.40
200-24716-2	SDS-2	377048	9.91	1823513	11.30	1571677	15.40
200-24716-3	SDS-3	395122	9.91	1893159	11.30	1634878	15.40
200-24716-4	SDS-4	395529	9.91	1899662	11.30	1632568	15.40
200-24716-5	SDS-5	387296	9.91	1861833	11.30	1660052	15.40
200-24716-6	SDS-6	425823	9.91	2064514	11.30	1832877	15.40
200-24716-7	SDS-7	395459	9.91	1911685	11.30	1691599	15.40
200-24716-9	VP GAC MID	405858	9.91	1938184	11.30	1727065	15.40
200-24716-10	VP GAC POST	402222	9.91	1931890	11.30	1685478	15.40
200-24716-8	SDS-8	439685	9.90	2114851	11.30	1825612	15.40

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-1 Lab Sample ID: 200-24716-1

Matrix: Air Lab File ID: 10013_06.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:27

Sample wt/vol: 25(mL) Date Analyzed: 10/15/2014 15:25

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	3.4	J	4.0	0.45
75-45-6	Freon 22	86.47	4.0	U	4.0	0.64
76-14-2	Freon-114	170.92	1.6	U	1.6	0.42
74-87-3	Chloromethane	50.49	4.0	U	4.0	0.48
106-97-8	n-Butane	58.12	4.0	U	4.0	1.4
75-01-4	Vinyl chloride	62.50	0.32	U	0.32	0.21
106-99-0	1,3-Butadiene	54.09	1.6	U	1.6	0.29
74-83-9	Bromomethane	94.94	1.6	U	1.6	0.35
75-00-3	Chloroethane	64.52	4.0	U	4.0	0.49
593-60-2	Vinyl bromide	106.96	1.6	U	1.6	0.16
75-69-4	Freon 11	137.37	1.6	U	1.6	0.36
76-13-1	Freon 113	187.38	1.6	U	1.6	0.33
75-35-4	1,1-Dichloroethene	96.94	1.6	U	1.6	0.080
67-64-1	Acetone	58.08	40	U	40	5.5
67-63-0	Isopropyl alcohol	60.10	7.0	J	40	1.2
75-15-0	Carbon disulfide	76.14	4.0	U	4.0	0.24
107-05-1	Allyl chloride	76.53	4.0	U	4.0	1.3
75-09-2	Methylene Chloride	84.93	2.2	J	4.0	0.96
75-65-0	tert-Butyl alcohol	74.12	40	U	40	0.96
1634-04-4	Methyl tert-butyl ether	88.15	1.6	U	1.6	0.18
156-60-5	trans-1,2-Dichloroethene	96.94	1.6	U	1.6	0.22
110-54-3	Hexane	86.17	1.6	U	1.6	0.22
75-34-3	1,1-Dichloroethane	98.96	1.6	U	1.6	0.22
78-93-3	Methyl Ethyl Ketone	72.11	4.0	U	4.0	0.74
156-59-2	cis-1,2-Dichloroethene	96.94	2.6		1.6	0.24
540-59-0	1,2-Dichloroethene, Total	96.94	2.6		1.6	0.42
67-66-3	Chloroform	119.38	1.6	U	1.6	0.30
109-99-9	Tetrahydrofuran	72.11	40	U	40	1.4
71-55-6	1,1,1-Trichloroethane	133.41	1.6	U	1.6	0.24
110-82-7	Cyclohexane	84.16	1.6	U	1.6	0.080
56-23-5	Carbon tetrachloride	153.81	0.32	U	0.32	0.088
540-84-1	2,2,4-Trimethylpentane	114.23	1.6	U	1.6	0.18
71-43-2	Benzene	78.11	1.6	U	1.6	0.23
107-06-2	1,2-Dichloroethane	98.96	1.6	U	1.6	0.42
142-82-5	Heptane	100.21	2.7		1.6	0.30

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-1 Lab Sample ID: 200-24716-1

Matrix: Air Lab File ID: 10013_06.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:27

Sample wt/vol: 25(mL) Date Analyzed: 10/15/2014 15:25

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	7.4		0.32	0.24
80-62-6	Methyl methacrylate	100.12	4.0	U	4.0	0.77
78-87-5	1,2-Dichloropropane	112.99	1.6	U	1.6	0.28
123-91-1	1,4-Dioxane	88.11	40	U	40	1.3
75-27-4	Bromodichloromethane	163.83	1.6	U	1.6	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	1.6	U	1.6	0.23
108-10-1	methyl isobutyl ketone	100.16	4.0	U	4.0	1.4
108-88-3	Toluene	92.14	1.6	U	1.6	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	1.6	U	1.6	0.21
79-00-5	1,1,2-Trichloroethane	133.41	1.6	U	1.6	0.30
127-18-4	Tetrachloroethene	165.83	180		1.6	0.24
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.0	U	4.0	1.4
124-48-1	Dibromochloromethane	208.29	1.6	U	1.6	0.16
106-93-4	1,2-Dibromoethane	187.87	1.6	U	1.6	0.14
108-90-7	Chlorobenzene	112.56	1.6	U	1.6	0.14
100-41-4	Ethylbenzene	106.17	1.6	U	1.6	0.16
179601-23-1	m,p-Xylene	106.17	4.0	U	4.0	0.20
95-47-6	Xylene, o-	106.17	1.6	U	1.6	0.14
1330-20-7	Xylene (total)	106.17	1.6	U	1.6	0.33
100-42-5	Styrene	104.15	1.6	U	1.6	0.13
75-25-2	Bromoform	252.75	1.6	U	1.6	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.6	U	1.6	0.27
103-65-1	n-Propylbenzene	120.19	1.6	U	1.6	0.22
622-96-8	4-Ethyltoluene	120.20	1.6	U	1.6	0.16
108-67-8	1,3,5-Trimethylbenzene	120.20	1.6	U	1.6	0.15
95-49-8	2-Chlorotoluene	126.59	1.6	U	1.6	0.25
98-06-6	tert-Butylbenzene	134.22	1.6	U	1.6	0.16
95-63-6	1,2,4-Trimethylbenzene	120.20	1.6	U	1.6	0.13
135-98-8	sec-Butylbenzene	134.22	1.6	U	1.6	0.17
99-87-6	4-Isopropyltoluene	134.22	1.6	U	1.6	0.16
541-73-1	1,3-Dichlorobenzene	147.00	1.6	U	1.6	0.16
106-46-7	1,4-Dichlorobenzene	147.00	1.6	U	1.6	0.15
100-44-7	Benzyl chloride	126.58	1.6	U	1.6	0.14
104-51-8	n-Butylbenzene	134.22	1.6	U	1.6	0.22

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-1 Lab Sample ID: 200-24716-1

Matrix: Air Lab File ID: 10013_06.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:27

Sample wt/vol: 25(mL) Date Analyzed: 10/15/2014 15:25

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.6	U	1.6	0.14
120-82-1	1,2,4-Trichlorobenzene	181.45	4.0	U	4.0	0.27
87-68-3	Hexachloro-1,3-butadiene	260.76	1.6	U	1.6	0.29
91-20-3	Naphthalene	128.17	4.0	U	4.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-1 Lab Sample ID: 200-24716-1

Matrix: Air Lab File ID: 10013_06.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:27

Sample wt/vol: 25(mL) Date Analyzed: 10/15/2014 15:25

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	17	J	20	2.2
75-45-6	Freon 22	86.47	14	U	14	2.3
76-14-2	Freon-114	170.92	11	U	11	2.9
74-87-3	Chloromethane	50.49	8.3	U	8.3	0.99
106-97-8	n-Butane	58.12	9.5	U	9.5	3.4
75-01-4	Vinyl chloride	62.50	0.82	U	0.82	0.53
106-99-0	1,3-Butadiene	54.09	3.5	U	3.5	0.64
74-83-9	Bromomethane	94.94	6.2	U	6.2	1.4
75-00-3	Chloroethane	64.52	11	U	11	1.3
593-60-2	Vinyl bromide	106.96	7.0	U	7.0	0.70
75-69-4	Freon 11	137.37	9.0	U	9.0	2.0
76-13-1	Freon 113	187.38	12	U	12	2.5
75-35-4	1,1-Dichloroethene	96.94	6.3	U	6.3	0.32
67-64-1	Acetone	58.08	95	U	95	13
67-63-0	Isopropyl alcohol	60.10	17	J	98	2.9
75-15-0	Carbon disulfide	76.14	12	U	12	0.75
107-05-1	Allyl chloride	76.53	13	U	13	4.0
75-09-2	Methylene Chloride	84.93	7.7	J	14	3.3
75-65-0	tert-Butyl alcohol	74.12	120	U	120	2.9
1634-04-4	Methyl tert-butyl ether	88.15	5.8	U	5.8	0.63
156-60-5	trans-1,2-Dichloroethene	96.94	6.3	U	6.3	0.86
110-54-3	Hexane	86.17	5.6	U	5.6	0.79
75-34-3	1,1-Dichloroethane	98.96	6.5	U	6.5	0.91
78-93-3	Methyl Ethyl Ketone	72.11	12	U	12	2.2
156-59-2	cis-1,2-Dichloroethene	96.94	10		6.3	0.95
540-59-0	1,2-Dichloroethene, Total	96.94	10		6.3	1.7
67-66-3	Chloroform	119.38	7.8	U	7.8	1.5
109-99-9	Tetrahydrofuran	72.11	120	U	120	4.2
71-55-6	1,1,1-Trichloroethane	133.41	8.7	U	8.7	1.3
110-82-7	Cyclohexane	84.16	5.5	U	5.5	0.28
56-23-5	Carbon tetrachloride	153.81	2.0	U	2.0	0.55
540-84-1	2,2,4-Trimethylpentane	114.23	7.5	U	7.5	0.86
71-43-2	Benzene	78.11	5.1	U	5.1	0.74
107-06-2	1,2-Dichloroethane	98.96	6.5	U	6.5	1.7
142-82-5	Heptane	100.21	11		6.6	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-1 Lab Sample ID: 200-24716-1

Matrix: Air Lab File ID: 10013_06.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:27

Sample wt/vol: 25(mL) Date Analyzed: 10/15/2014 15:25

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	40		1.7	1.3
80-62-6	Methyl methacrylate	100.12	16	U	16	3.1
78-87-5	1,2-Dichloropropane	112.99	7.4	U	7.4	1.3
123-91-1	1,4-Dioxane	88.11	140	U	140	4.6
75-27-4	Bromodichloromethane	163.83	11	U	11	1.6
10061-01-5	cis-1,3-Dichloropropene	110.97	7.3	U	7.3	1.1
108-10-1	methyl isobutyl ketone	100.16	16	U	16	5.9
108-88-3	Toluene	92.14	6.0	U	6.0	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	7.3	U	7.3	0.94
79-00-5	1,1,2-Trichloroethane	133.41	8.7	U	8.7	1.6
127-18-4	Tetrachloroethene	165.83	1200		11	1.6
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	16	U	16	5.6
124-48-1	Dibromochloromethane	208.29	14	U	14	1.4
106-93-4	1,2-Dibromoethane	187.87	12	U	12	1.1
108-90-7	Chlorobenzene	112.56	7.4	U	7.4	0.66
100-41-4	Ethylbenzene	106.17	6.9	U	6.9	0.69
179601-23-1	m,p-Xylene	106.17	17	U	17	0.87
95-47-6	Xylene, o-	106.17	6.9	U	6.9	0.63
1330-20-7	Xylene (total)	106.17	6.9	U	6.9	1.4
100-42-5	Styrene	104.15	6.8	U	6.8	0.55
75-25-2	Bromoform	252.75	17	U	17	2.1
79-34-5	1,1,2,2-Tetrachloroethane	167.85	11	U	11	1.9
103-65-1	n-Propylbenzene	120.19	7.9	U	7.9	1.1
622-96-8	4-Ethyltoluene	120.20	7.9	U	7.9	0.79
108-67-8	1,3,5-Trimethylbenzene	120.20	7.9	U	7.9	0.75
95-49-8	2-Chlorotoluene	126.59	8.3	U	8.3	1.3
98-06-6	tert-Butylbenzene	134.22	8.8	U	8.8	0.88
95-63-6	1,2,4-Trimethylbenzene	120.20	7.9	U	7.9	0.63
135-98-8	sec-Butylbenzene	134.22	8.8	U	8.8	0.92
99-87-6	4-Isopropyltoluene	134.22	8.8	U	8.8	0.88
541-73-1	1,3-Dichlorobenzene	147.00	9.6	U	9.6	0.96
106-46-7	1,4-Dichlorobenzene	147.00	9.6	U	9.6	0.91
100-44-7	Benzyl chloride	126.58	8.3	U	8.3	0.75
104-51-8	n-Butylbenzene	134.22	8.8	U	8.8	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-1 Lab Sample ID: 200-24716-1

Matrix: Air Lab File ID: 10013_06.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:27

Sample wt/vol: 25(mL) Date Analyzed: 10/15/2014 15:25

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.6	U	9.6	0.87
120-82-1	1,2,4-Trichlorobenzene	181.45	30	U	30	2.0
87-68-3	Hexachloro-1,3-butadiene	260.76	17	U	17	3.1
91-20-3	Naphthalene	128.17	21	U	21	1.3

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_06.D
Lims ID: 200-24716-A-1 Lab Sample ID: 200-24716-1
Client ID: SDS-1
Sample Type: Client
Inject. Date: 15-Oct-2014 15:25:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 8.0000
Sample Info: 200-0010013-006
Misc. Info.: 24716-01
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 16-Oct-2014 11:43:38 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 16-Oct-2014 11:05:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.229	3.224	0.005	98	53711	0.4230	
6 Chlorodifluoromethane	51		3.266				ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.453				ND	
8 Chloromethane	50		3.592				ND	
9 Butane	43		3.773				ND	
10 Vinyl chloride	62		3.816				ND	
11 Butadiene	54		3.880				ND	
12 Bromomethane	94		4.595				ND	
14 Chloroethane	64		4.841				ND	
16 Vinyl bromide	106		5.257				ND	
17 Trichlorofluoromethane	101		5.353				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.399				ND	
24 1,1-Dichloroethene	96		6.479				ND	
25 Acetone	43		6.655				ND	
26 Isopropyl alcohol	45	6.864	6.858	0.006	95	31686	0.8779	
27 Carbon disulfide	76		6.912				ND	
29 3-Chloro-1-propene	41		7.200				ND	
31 Methylene Chloride	49	7.467	7.467	0.000	83	8539	0.2788	
32 2-Methyl-2-propanol	59		7.568				ND	
33 Methyl tert-butyl ether	73		7.798				ND	
34 trans-1,2-Dichloroethene	61		7.867				ND	
36 Hexane	57		8.182				ND	
37 1,1-Dichloroethane	63		8.625				ND	
* 44 Chlorobromomethane	128	9.900	9.906	-0.006	67	437709	10.0	
39 cis-1,2-Dichloroethene	96	9.532	9.532	0.000	92	14303	0.3303	
40 2-Butanone (MEK)	72		9.532				ND	
43 Tetrahydrofuran	42		9.906				ND	
45 Chloroform	83		9.975				ND	
S 42 1,2-Dichloroethene, Total	61				0		0.3303	
47 1,1,1-Trichloroethane	97		10.226				ND	
46 Cyclohexane	84		10.226				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		10.423				ND	
49 Isooctane	57		10.695				ND	
50 Benzene	78		10.760				ND	
51 1,2-Dichloroethane	62		10.877				ND	
52 n-Heptane	43	10.946	10.941	0.005	79	13720	0.3382	
* 54 1,4-Difluorobenzene	114	11.304	11.304	0.000	92	2090106	10.0	
57 Trichloroethene	95	11.667	11.667	0.000	95	56785	0.9291	
58 1,2-Dichloropropane	63		12.056				ND	
59 Methyl methacrylate	69		12.078				ND	
60 1,4-Dioxane	88		12.174				ND	
62 Dichlorobromomethane	83		12.409				ND	
64 cis-1,3-Dichloropropene	75		13.038				ND	
65 4-Methyl-2-pentanone (MIBK	43		13.188				ND	
68 Toluene	92		13.460				ND	
70 trans-1,3-Dichloropropene	75		13.834				ND	
71 1,1,2-Trichloroethane	83		14.106				ND	
72 Tetrachloroethene	166	14.218	14.223	-0.005	96	2131515	22.7	
73 2-Hexanone	43		14.357				ND	
74 Chlorodibromomethane	129		14.650				ND	
75 Ethylene Dibromide	107		14.853				ND	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	84	1810193	10.0	
77 Chlorobenzene	112		15.435				ND	
79 Ethylbenzene	91		15.499				ND	
80 m-Xylene & p-Xylene	106		15.643				ND	
S 81 Xylenes, Total	106		16.000				0	
82 o-Xylene	106		16.150				ND	
83 Styrene	104		16.176				ND	
84 Bromoform	173		16.470				ND	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	91	1331167	NC	
87 1,1,2,2-Tetrachloroethane	83		16.972				ND	
88 N-Propylbenzene	91		17.030				ND	
91 4-Ethyltoluene	105		17.153				ND	
92 2-Chlorotoluene	91		17.201				ND	
93 1,3,5-Trimethylbenzene	105		17.223				ND	
95 tert-Butylbenzene	119		17.601				ND	
96 1,2,4-Trimethylbenzene	105		17.676				ND	
97 sec-Butylbenzene	105		17.863				ND	
98 4-Isopropyltoluene	119		18.018				ND	
99 1,3-Dichlorobenzene	146		18.103				ND	
100 1,4-Dichlorobenzene	146		18.215				ND	
101 Benzyl chloride	91		18.381				ND	
103 n-Butylbenzene	91		18.535				ND	
104 1,2-Dichlorobenzene	146		18.717				ND	
107 1,2,4-Trichlorobenzene	180		21.140				ND	
108 Hexachlorobutadiene	225		21.300				ND	
109 Naphthalene	128		21.652				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15BISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

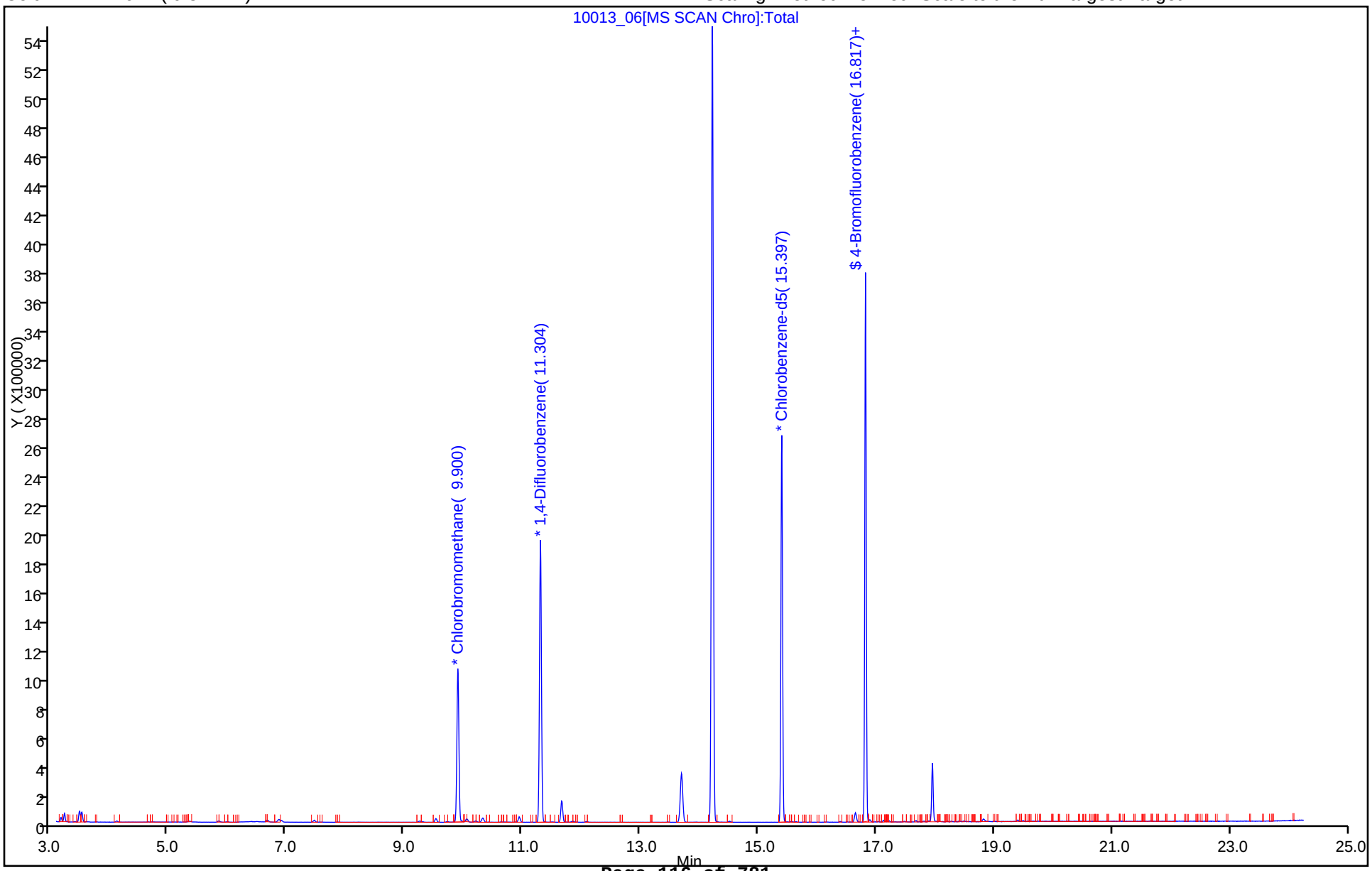
Report Date: 16-Oct-2014 11:43:49 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_06.D

Injection Date:	15-Oct-2014 15:25:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-24716-A-1	Lab Sample ID:	200-24716-1	Worklist Smp#:	6
Client ID:	SDS-1				
Purge Vol:	5.000 mL	Dil. Factor:	8.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



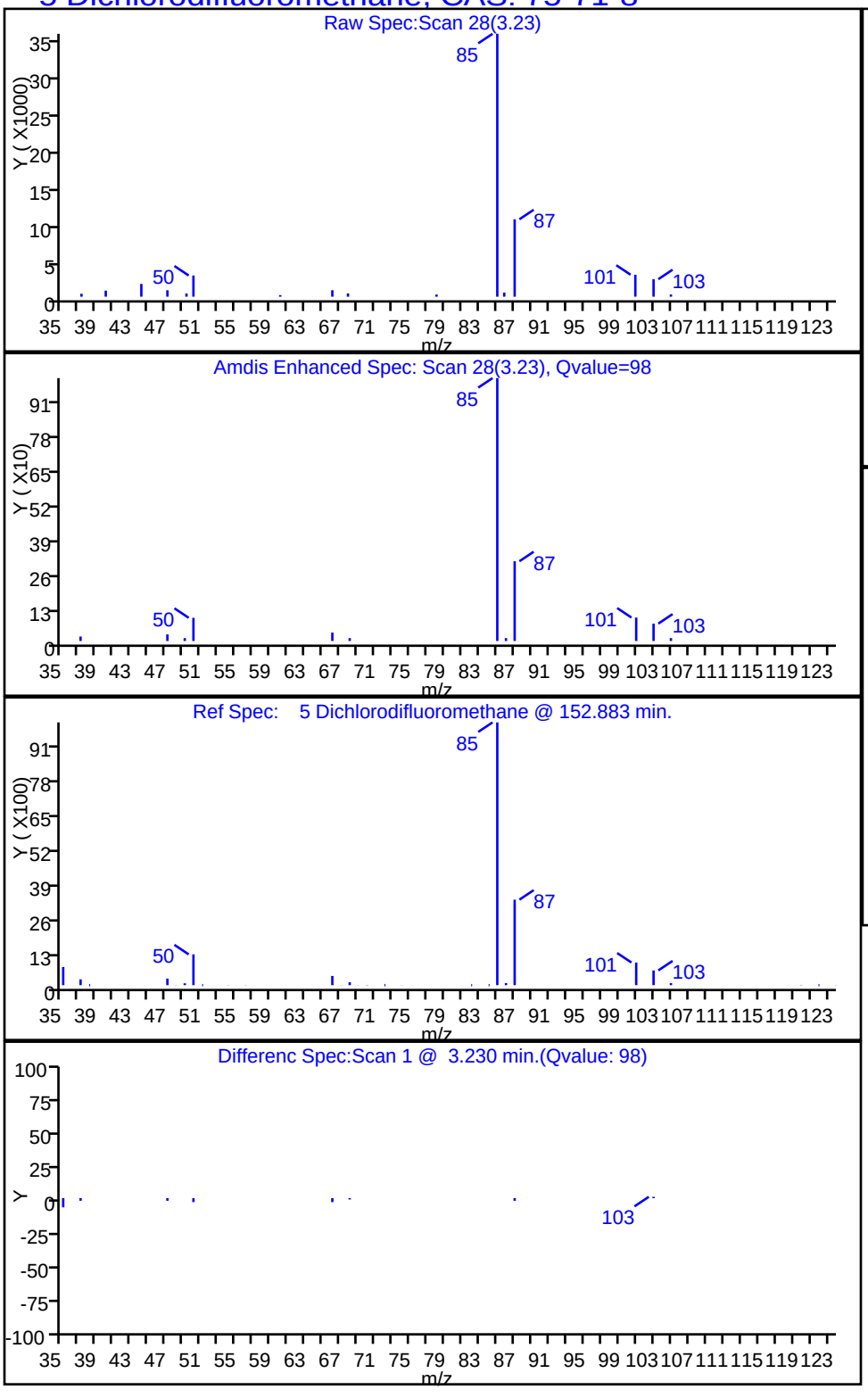
Report Date: 16-Oct-2014 11:43:50 Chrom Revision: 2.2 07-Oct-2014 12:16:06

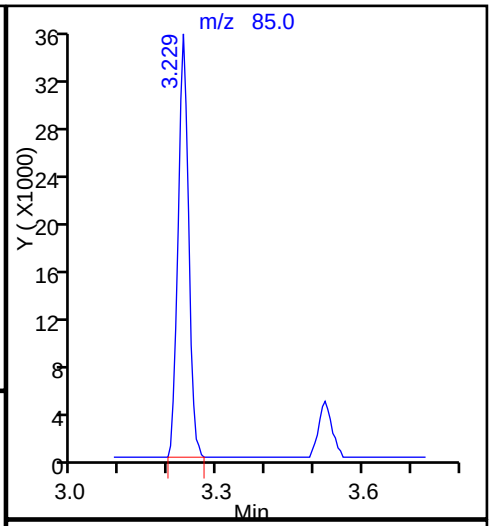
TestAmerica Burlington

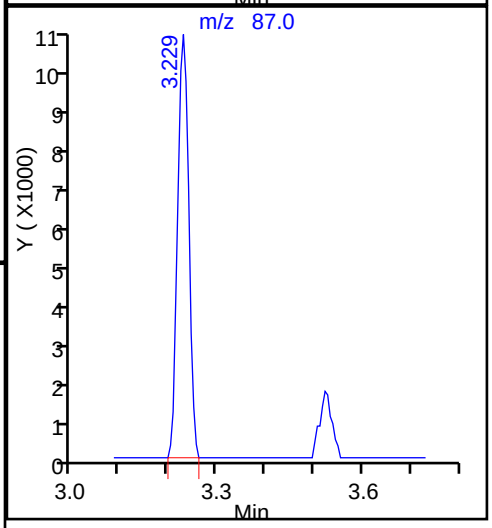
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_06.D

Injection Date:	15-Oct-2014 15:25:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-1	Lab Sample ID:	200-24716-1		
Client ID:	SDS-1				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Dichlorodifluoromethane, CAS: 75-71-8







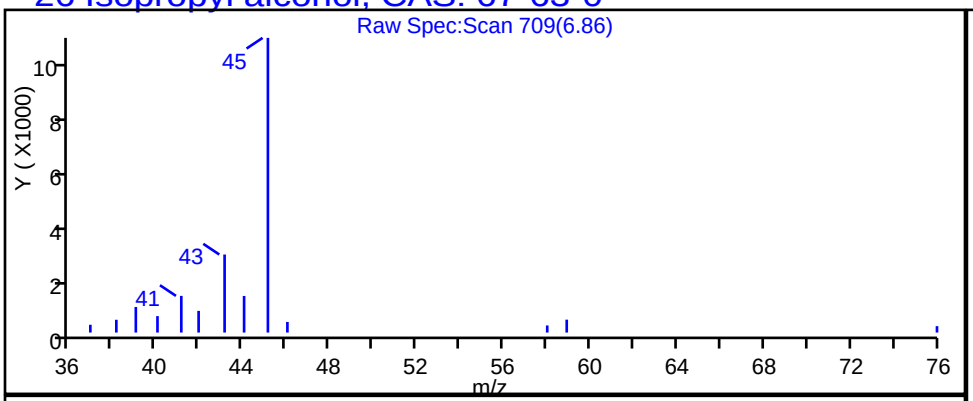
Report Date: 16-Oct-2014 11:43:50 Chrom Revision: 2.2 07-Oct-2014 12:16:06

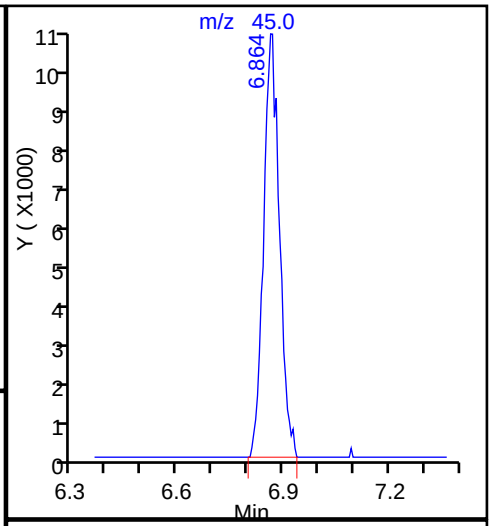
TestAmerica Burlington

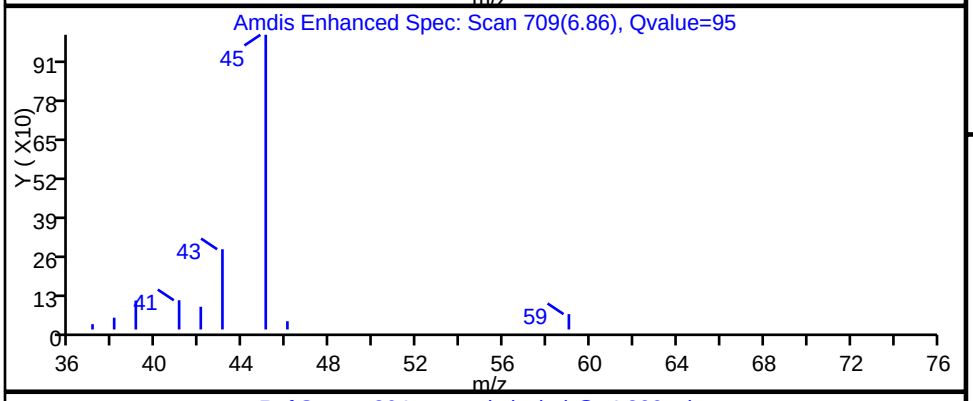
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_06.D

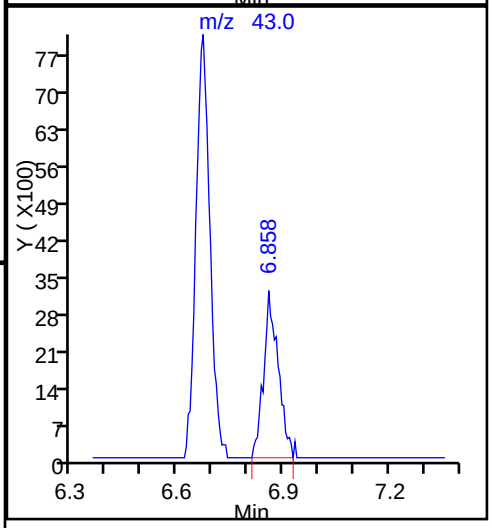
Injection Date:	15-Oct-2014 15:25:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-1	Lab Sample ID:	200-24716-1		
Client ID:	SDS-1				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

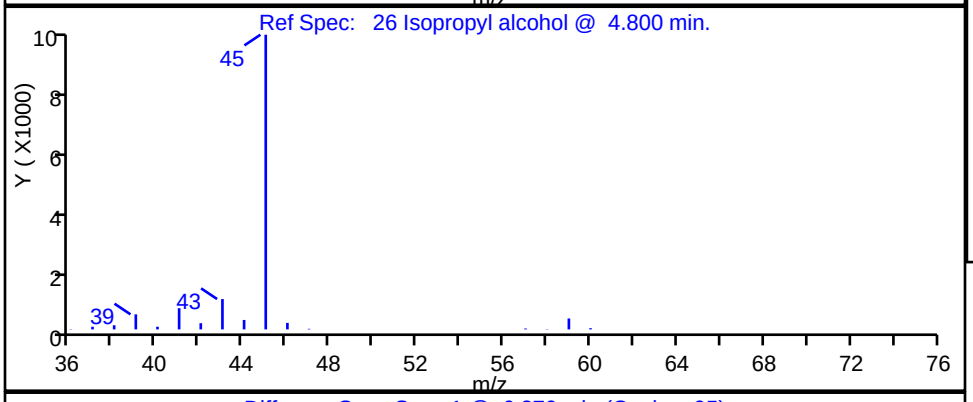
26 Isopropyl alcohol, CAS: 67-63-0

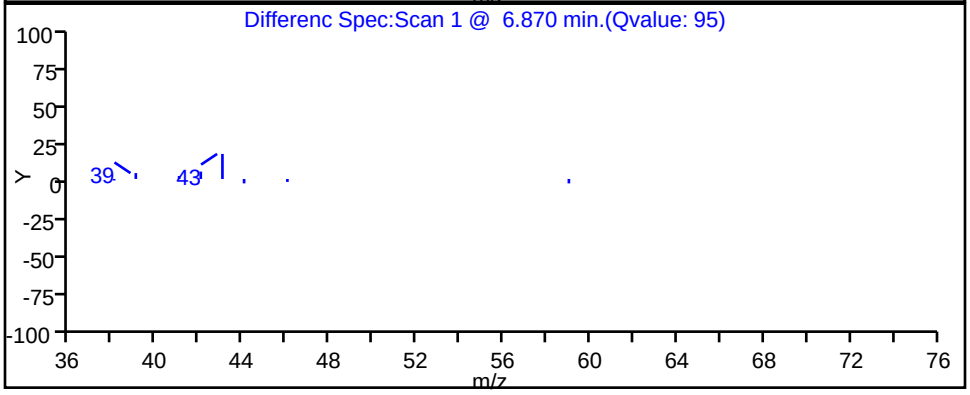












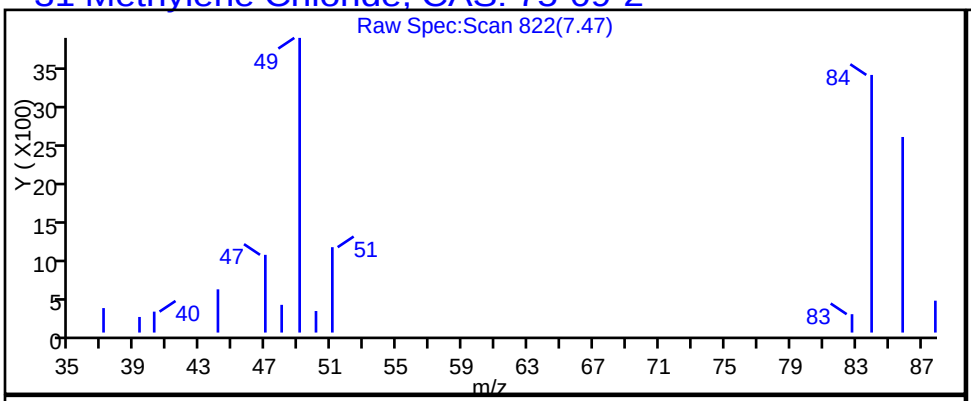
Report Date: 16-Oct-2014 11:43:50 Chrom Revision: 2.2 07-Oct-2014 12:16:06

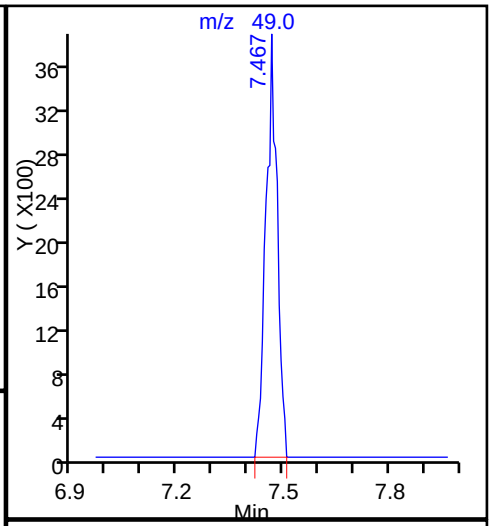
TestAmerica Burlington

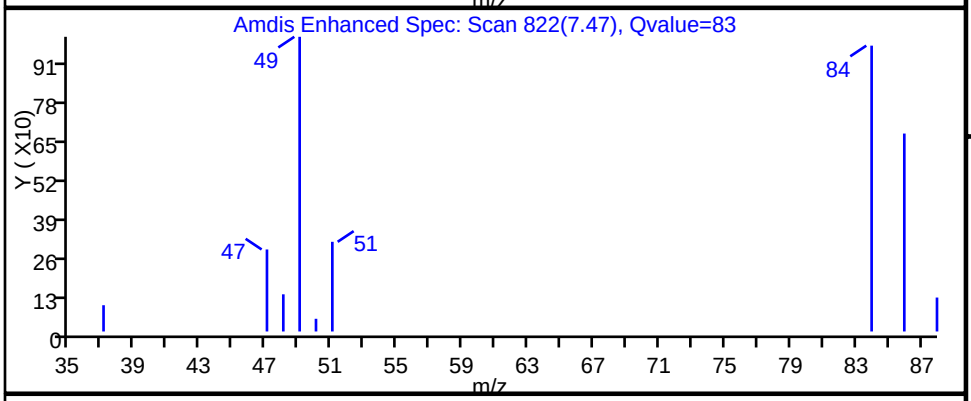
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_06.D

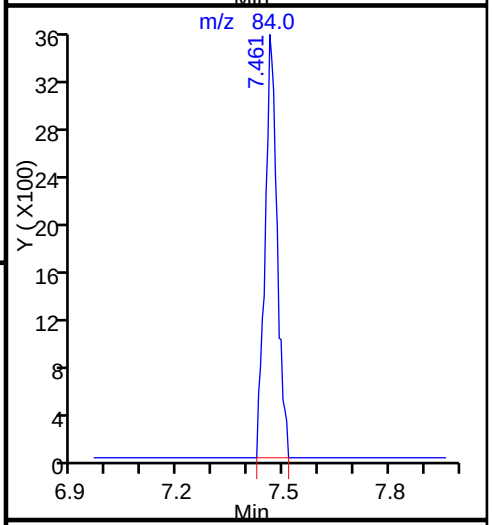
Injection Date:	15-Oct-2014 15:25:30	Instrument ID:	CHB.i
Lims ID:	200-24716-A-1	Lab Sample ID:	200-24716-1
Client ID:	SDS-1		
Operator ID:	pad	ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	8.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

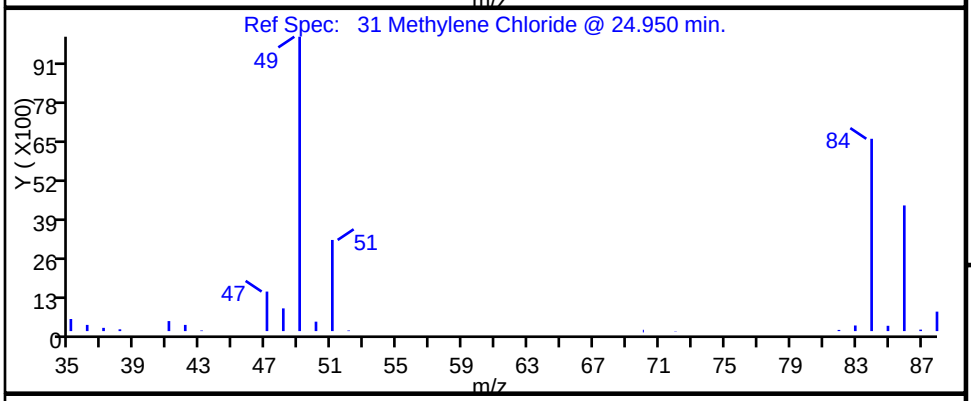
31 Methylene Chloride, CAS: 75-09-2

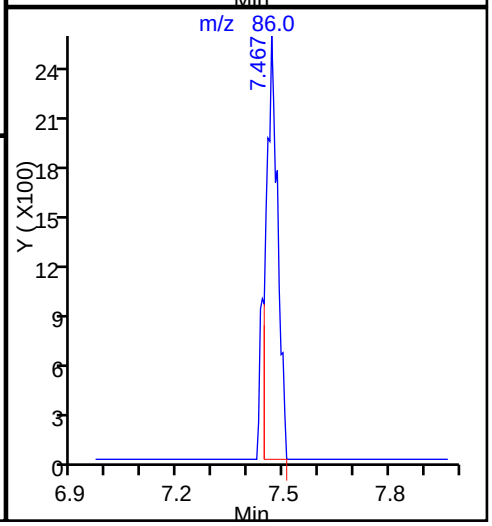


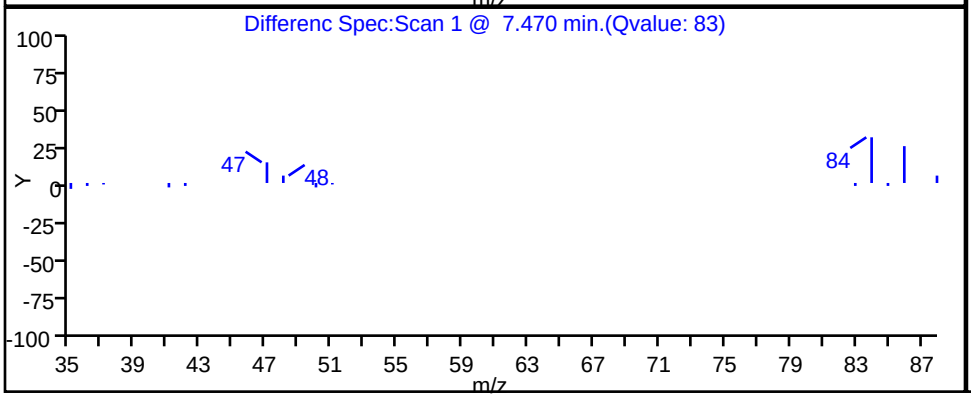












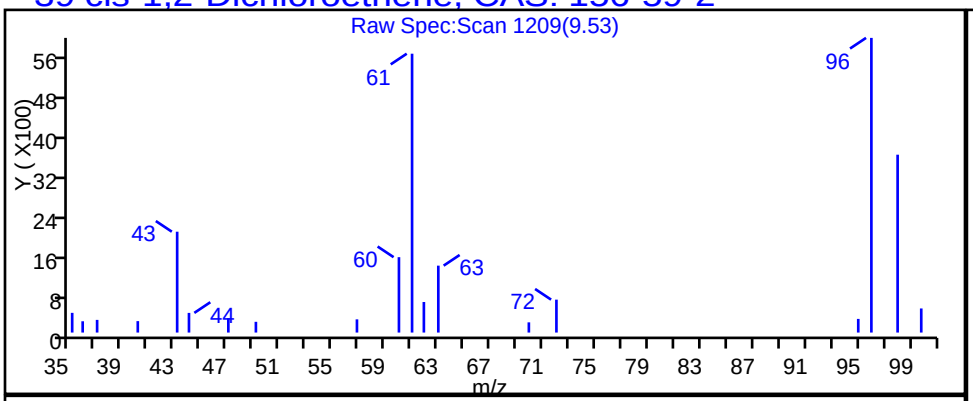
Report Date: 16-Oct-2014 11:43:50 Chrom Revision: 2.2 07-Oct-2014 12:16:06

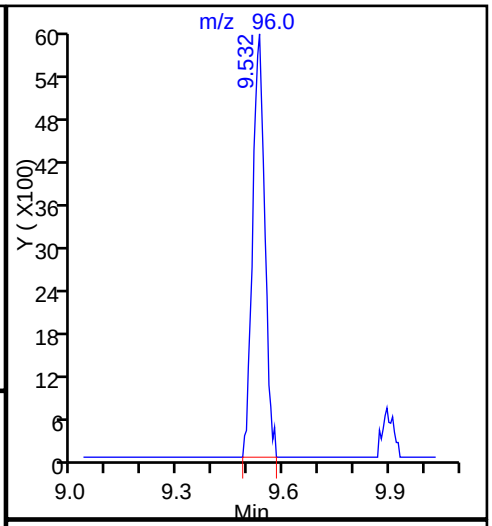
TestAmerica Burlington

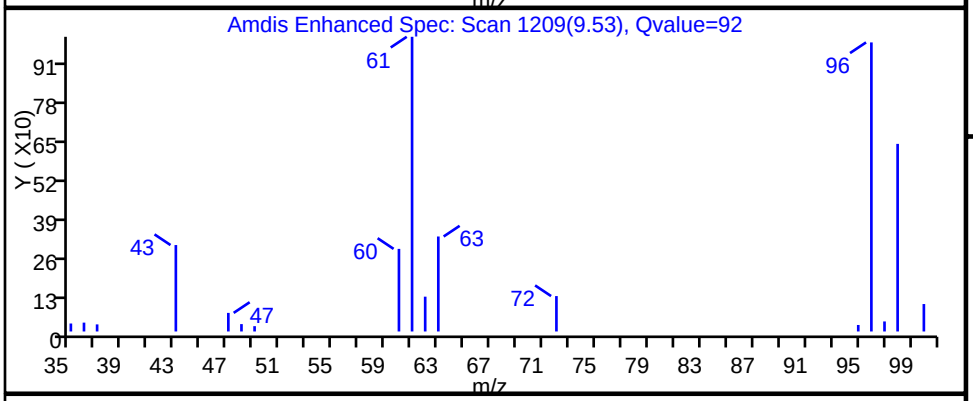
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_06.D

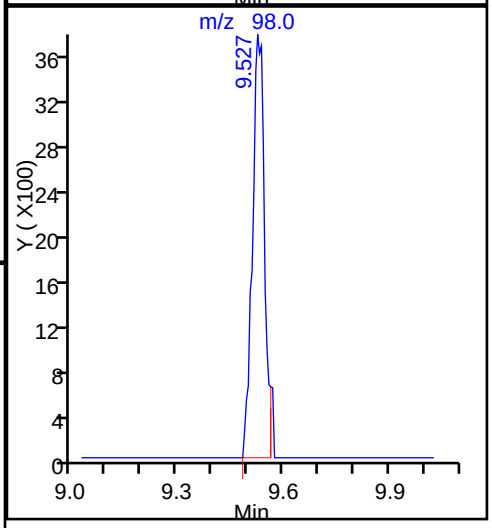
Injection Date:	15-Oct-2014 15:25:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-1	Lab Sample ID:	200-24716-1		
Client ID:	SDS-1				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

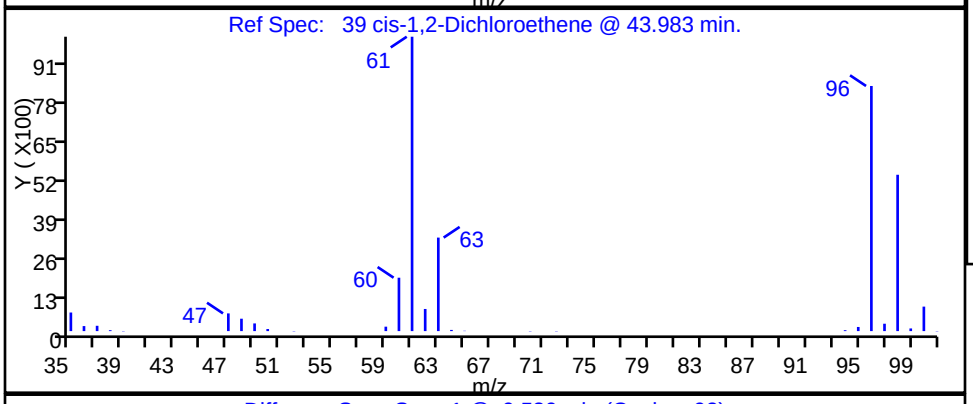
39 cis-1,2-Dichloroethene, CAS: 156-59-2

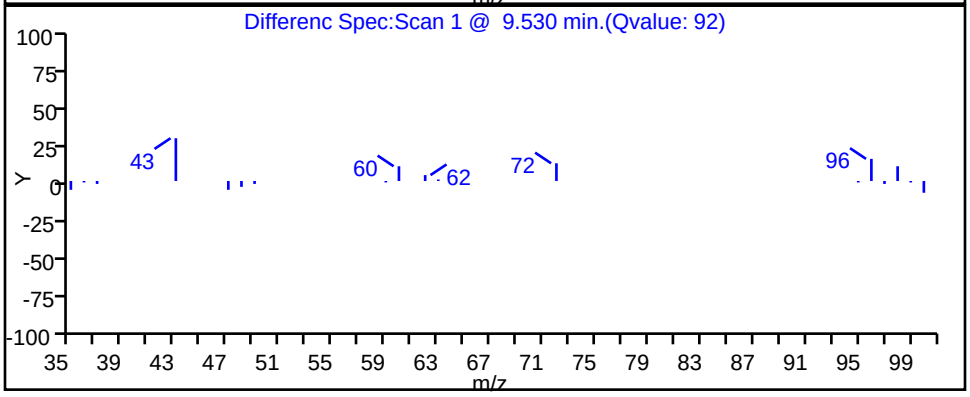












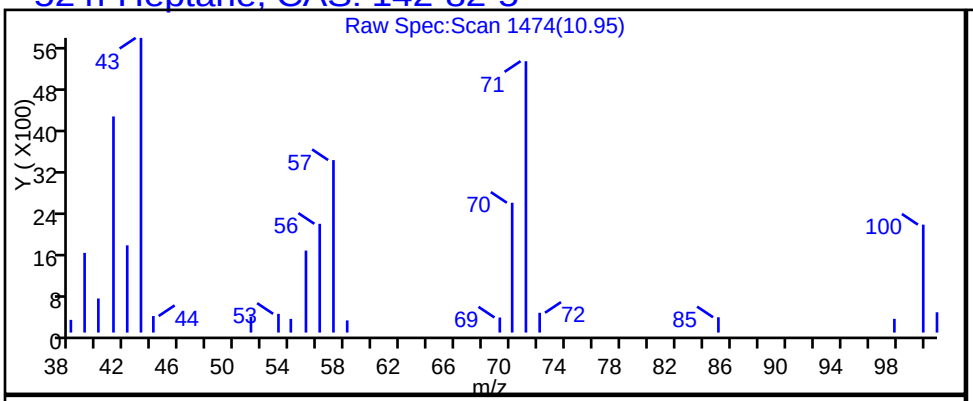
Report Date: 16-Oct-2014 11:43:50 Chrom Revision: 2.2 07-Oct-2014 12:16:06

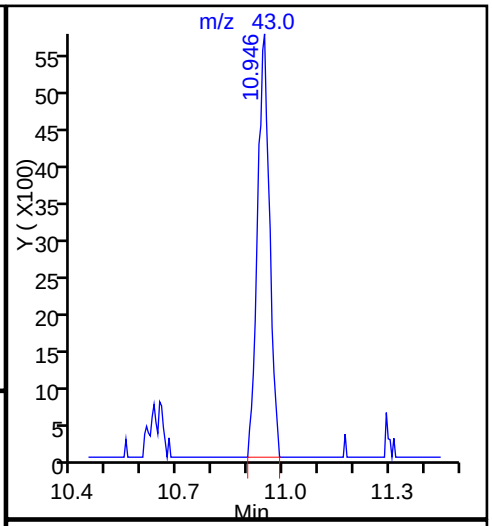
TestAmerica Burlington

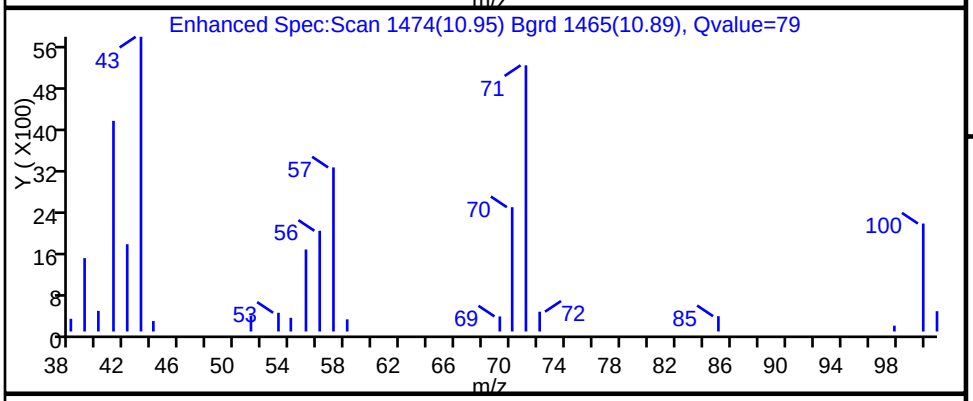
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_06.D

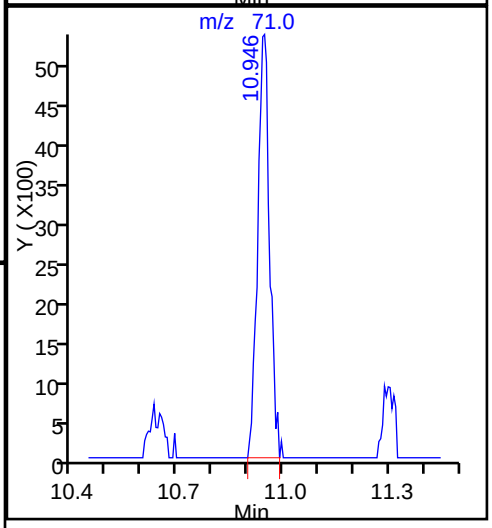
Injection Date:	15-Oct-2014 15:25:30	Instrument ID:	CHB.i
Lims ID:	200-24716-A-1	Lab Sample ID:	200-24716-1
Client ID:	SDS-1		
Operator ID:	pad	ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	8.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

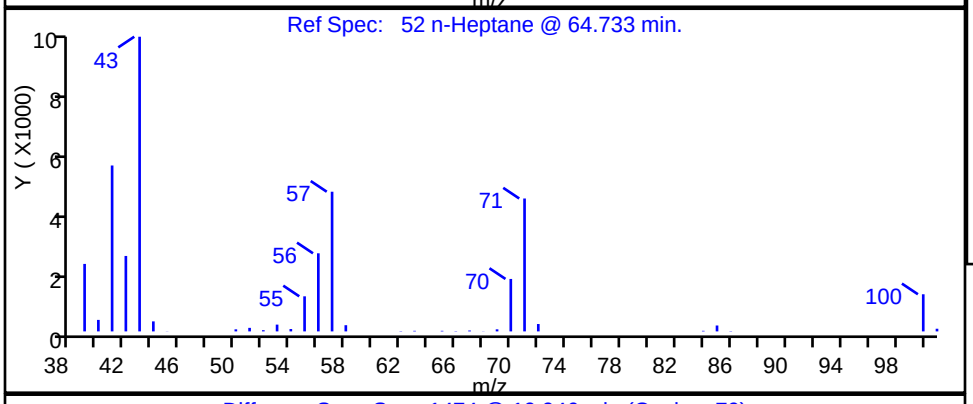
52 n-Heptane, CAS: 142-82-5

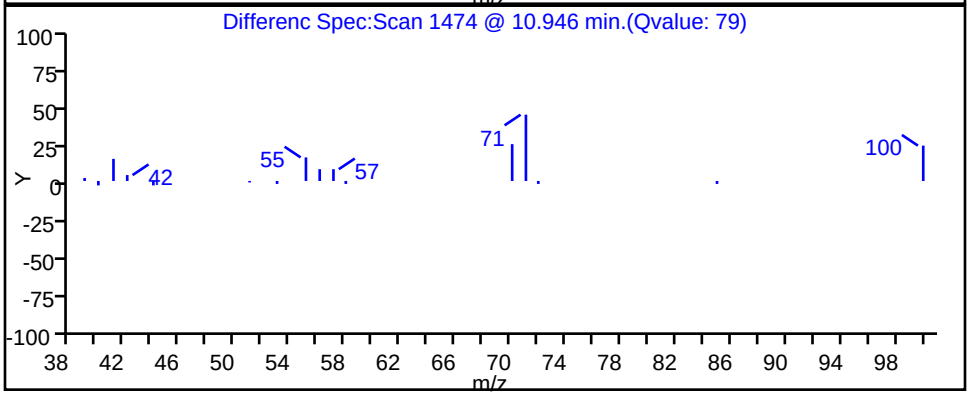












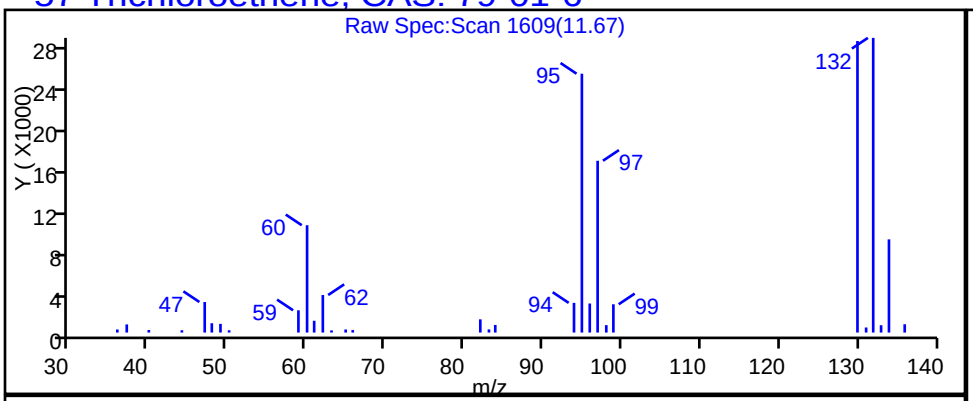
Report Date: 16-Oct-2014 11:43:50 Chrom Revision: 2.2 07-Oct-2014 12:16:06

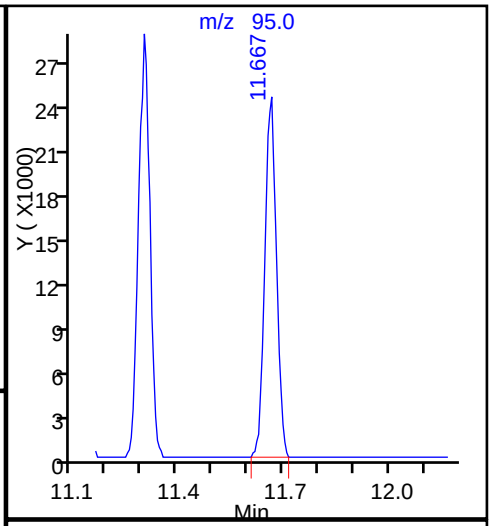
TestAmerica Burlington

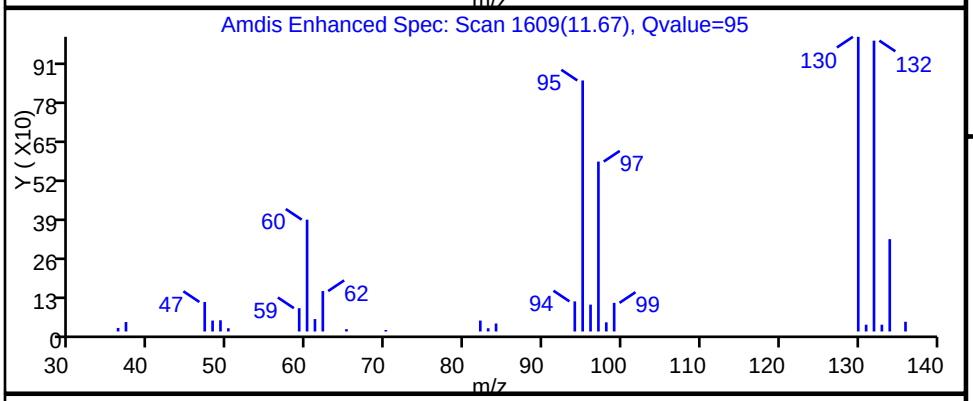
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_06.D

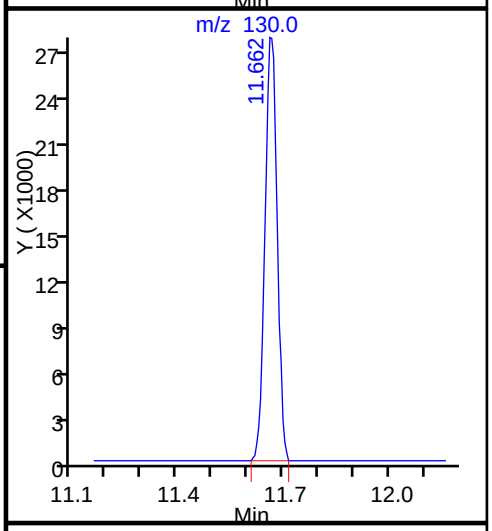
Injection Date:	15-Oct-2014 15:25:30	Instrument ID:	CHB.i
Lims ID:	200-24716-A-1	Lab Sample ID:	200-24716-1
Client ID:	SDS-1		
Operator ID:	pad	ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	8.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

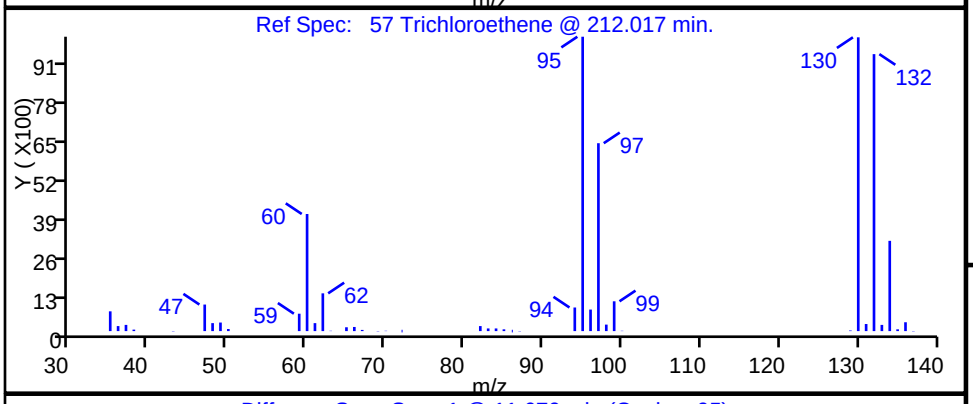
57 Trichloroethene, CAS: 79-01-6

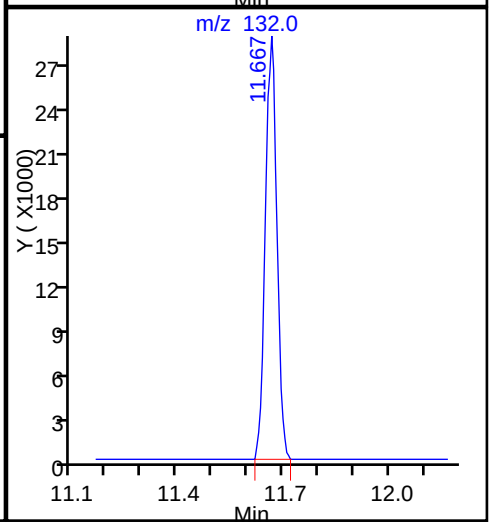


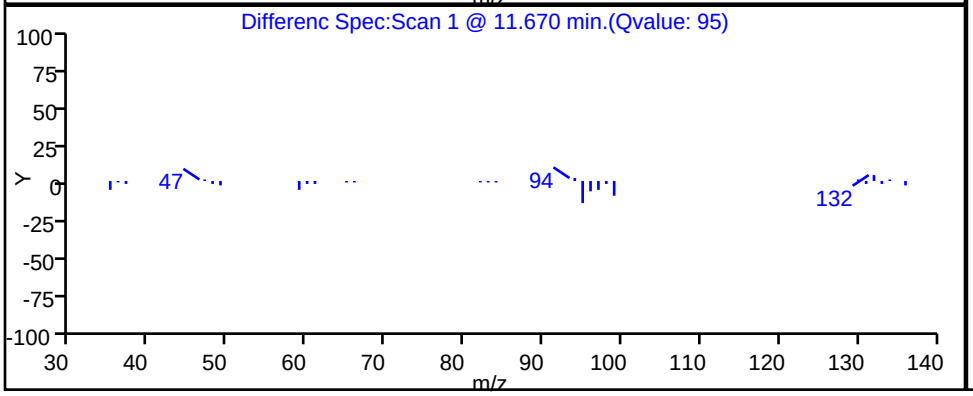












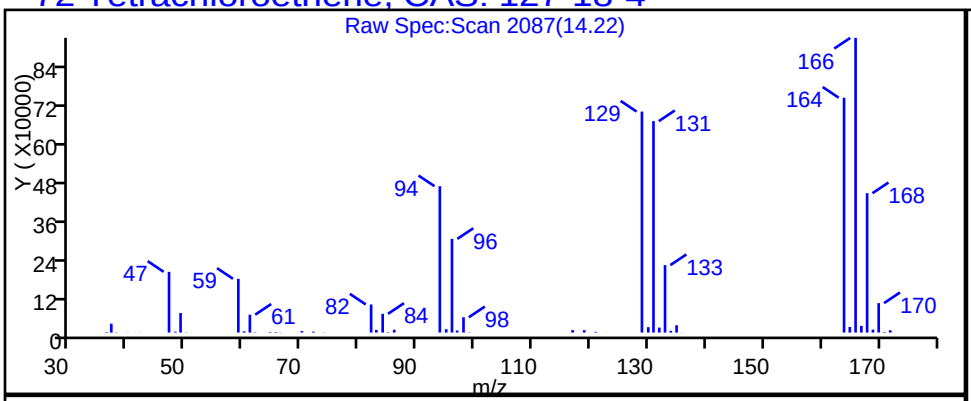
Report Date: 16-Oct-2014 11:43:50 Chrom Revision: 2.2 07-Oct-2014 12:16:06

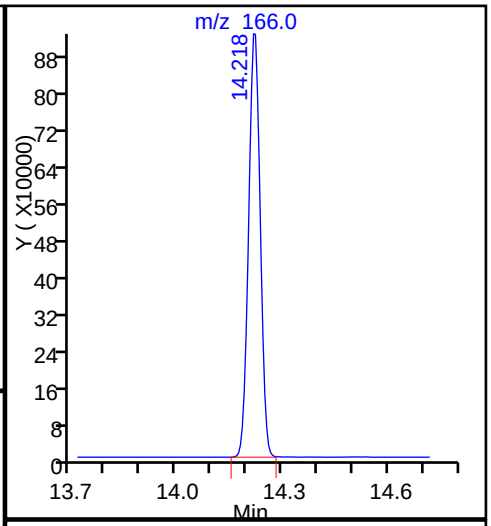
TestAmerica Burlington

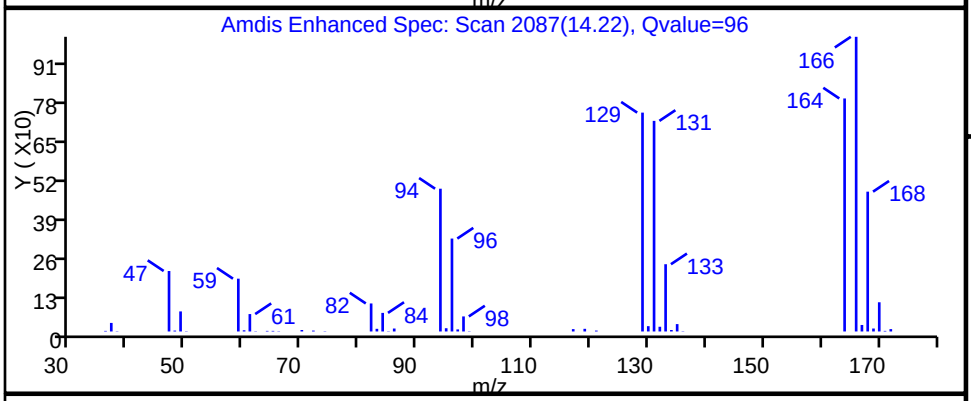
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_06.D

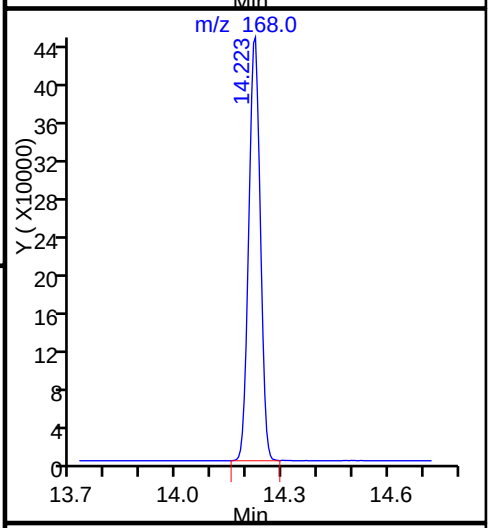
Injection Date:	15-Oct-2014 15:25:30	Instrument ID:	CHB.i
Lims ID:	200-24716-A-1	Lab Sample ID:	200-24716-1
Client ID:	SDS-1		
Operator ID:	pad	ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	8.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

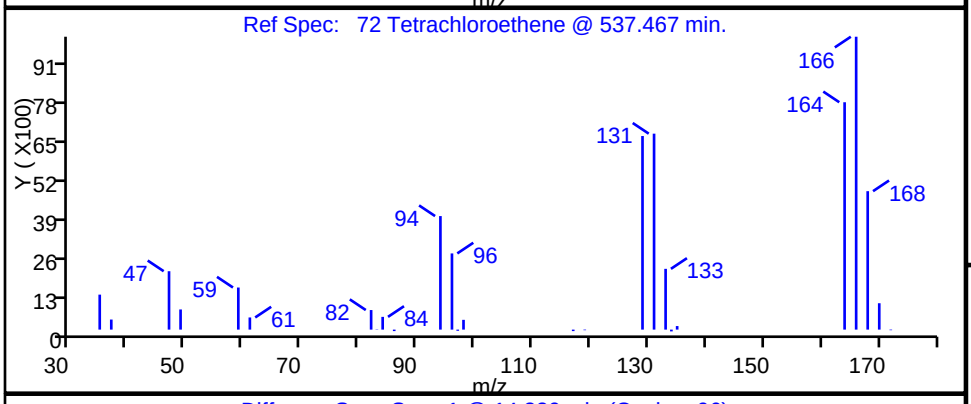
72 Tetrachloroethene, CAS: 127-18-4

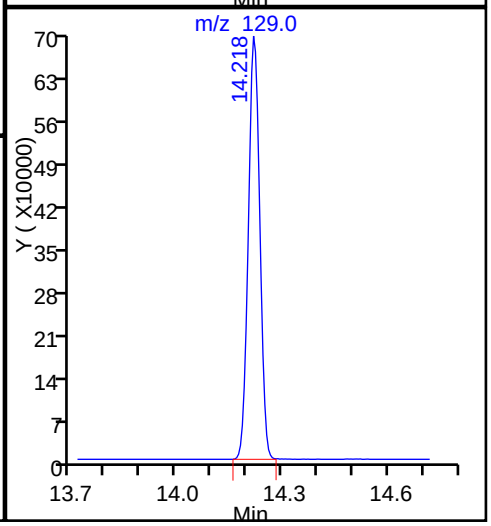


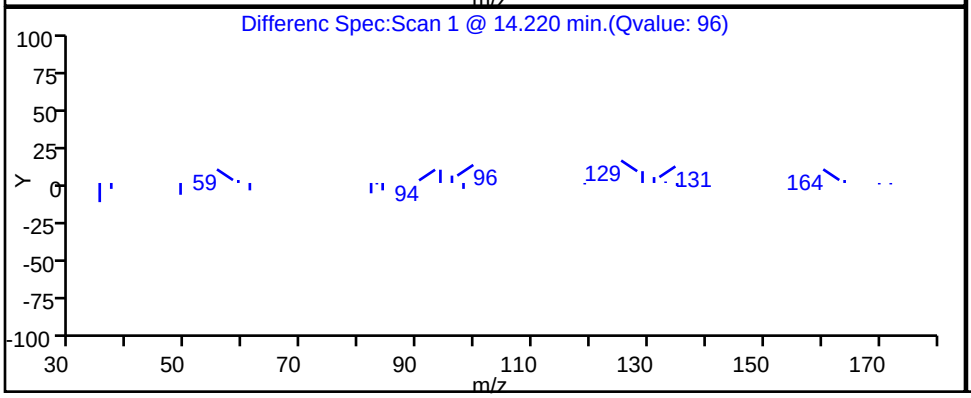












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-2 Lab Sample ID: 200-24716-2

Matrix: Air Lab File ID: 10013_07.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:20

Sample wt/vol: 40(mL) Date Analyzed: 10/15/2014 16:17

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	7.9		2.5	0.28
75-45-6	Freon 22	86.47	0.41	J	2.5	0.40
76-14-2	Freon-114	170.92	1.0	U	1.0	0.26
74-87-3	Chloromethane	50.49	2.5	U	2.5	0.30
106-97-8	n-Butane	58.12	2.5	U	2.5	0.90
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.13
106-99-0	1,3-Butadiene	54.09	1.0	U	1.0	0.18
74-83-9	Bromomethane	94.94	1.0	U	1.0	0.22
75-00-3	Chloroethane	64.52	2.5	U	2.5	0.31
593-60-2	Vinyl bromide	106.96	1.0	U	1.0	0.10
75-69-4	Freon 11	137.37	1.0	U	1.0	0.23
76-13-1	Freon 113	187.38	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	96.94	1.0	U	1.0	0.050
67-64-1	Acetone	58.08	25	U	25	3.5
67-63-0	Isopropyl alcohol	60.10	95		25	0.75
75-15-0	Carbon disulfide	76.14	2.5	U	2.5	0.15
107-05-1	Allyl chloride	76.53	2.5	U	2.5	0.80
75-09-2	Methylene Chloride	84.93	3.2		2.5	0.60
75-65-0	tert-Butyl alcohol	74.12	25	U	25	0.60
1634-04-4	Methyl tert-butyl ether	88.15	1.0	U	1.0	0.11
156-60-5	trans-1,2-Dichloroethene	96.94	1.0	U	1.0	0.14
110-54-3	Hexane	86.17	1.0	U	1.0	0.14
75-34-3	1,1-Dichloroethane	98.96	1.0	U	1.0	0.14
78-93-3	Methyl Ethyl Ketone	72.11	2.5	U	2.5	0.46
156-59-2	cis-1,2-Dichloroethene	96.94	1.0	U	1.0	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	1.0	U	1.0	0.27
67-66-3	Chloroform	119.38	1.0	U	1.0	0.19
109-99-9	Tetrahydrofuran	72.11	25	U	25	0.90
71-55-6	1,1,1-Trichloroethane	133.41	1.7		1.0	0.15
110-82-7	Cyclohexane	84.16	0.55	J	1.0	0.050
56-23-5	Carbon tetrachloride	153.81	0.20	U	0.20	0.055
540-84-1	2,2,4-Trimethylpentane	114.23	1.0	U	1.0	0.12
71-43-2	Benzene	78.11	1.0	U	1.0	0.15
107-06-2	1,2-Dichloroethane	98.96	1.0	U	1.0	0.26
142-82-5	Heptane	100.21	1.0	U	1.0	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-2 Lab Sample ID: 200-24716-2

Matrix: Air Lab File ID: 10013_07.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:20

Sample wt/vol: 40(mL) Date Analyzed: 10/15/2014 16:17

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	3.5		0.20	0.15
80-62-6	Methyl methacrylate	100.12	2.5	U	2.5	0.48
78-87-5	1,2-Dichloropropane	112.99	1.0	U	1.0	0.18
123-91-1	1,4-Dioxane	88.11	25	U	25	0.80
75-27-4	Bromodichloromethane	163.83	1.0	U	1.0	0.15
10061-01-5	cis-1,3-Dichloropropene	110.97	1.0	U	1.0	0.15
108-10-1	methyl isobutyl ketone	100.16	2.5	U	2.5	0.90
108-88-3	Toluene	92.14	0.19	J	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	1.0	U	1.0	0.13
79-00-5	1,1,2-Trichloroethane	133.41	1.0	U	1.0	0.19
127-18-4	Tetrachloroethene	165.83	7.7		1.0	0.15
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.5	U	2.5	0.85
124-48-1	Dibromochloromethane	208.29	1.0	U	1.0	0.10
106-93-4	1,2-Dibromoethane	187.87	1.0	U	1.0	0.090
108-90-7	Chlorobenzene	112.56	1.0	U	1.0	0.090
100-41-4	Ethylbenzene	106.17	1.0	U	1.0	0.10
179601-23-1	m,p-Xylene	106.17	2.5	U	2.5	0.13
95-47-6	Xylene, o-	106.17	1.0	U	1.0	0.090
1330-20-7	Xylene (total)	106.17	1.0	U	1.0	0.21
100-42-5	Styrene	104.15	1.0	U	1.0	0.080
75-25-2	Bromoform	252.75	1.0	U	1.0	0.13
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.0	U	1.0	0.17
103-65-1	n-Propylbenzene	120.19	1.0	U	1.0	0.14
622-96-8	4-Ethyltoluene	120.20	1.0	U	1.0	0.10
108-67-8	1,3,5-Trimethylbenzene	120.20	1.0	U	1.0	0.095
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	1.0	U	1.0	0.10
95-63-6	1,2,4-Trimethylbenzene	120.20	1.0	U	1.0	0.080
135-98-8	sec-Butylbenzene	134.22	1.0	U	1.0	0.11
99-87-6	4-Isopropyltoluene	134.22	1.0	U	1.0	0.10
541-73-1	1,3-Dichlorobenzene	147.00	1.0	U	1.0	0.10
106-46-7	1,4-Dichlorobenzene	147.00	1.0	U	1.0	0.095
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.090
104-51-8	n-Butylbenzene	134.22	1.0	U	1.0	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-2 Lab Sample ID: 200-24716-2

Matrix: Air Lab File ID: 10013_07.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:20

Sample wt/vol: 40(mL) Date Analyzed: 10/15/2014 16:17

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.0	U	1.0	0.090
120-82-1	1,2,4-Trichlorobenzene	181.45	2.5	U	2.5	0.17
87-68-3	Hexachloro-1,3-butadiene	260.76	1.0	U	1.0	0.18
91-20-3	Naphthalene	128.17	2.5	U	2.5	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-2 Lab Sample ID: 200-24716-2

Matrix: Air Lab File ID: 10013_07.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:20

Sample wt/vol: 40(mL) Date Analyzed: 10/15/2014 16:17

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	39		12	1.4
75-45-6	Freon 22	86.47	1.4	J	8.8	1.4
76-14-2	Freon-114	170.92	7.0	U	7.0	1.8
74-87-3	Chloromethane	50.49	5.2	U	5.2	0.62
106-97-8	n-Butane	58.12	5.9	U	5.9	2.1
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.33
106-99-0	1,3-Butadiene	54.09	2.2	U	2.2	0.40
74-83-9	Bromomethane	94.94	3.9	U	3.9	0.85
75-00-3	Chloroethane	64.52	6.6	U	6.6	0.80
593-60-2	Vinyl bromide	106.96	4.4	U	4.4	0.44
75-69-4	Freon 11	137.37	5.6	U	5.6	1.3
76-13-1	Freon 113	187.38	7.7	U	7.7	1.6
75-35-4	1,1-Dichloroethene	96.94	4.0	U	4.0	0.20
67-64-1	Acetone	58.08	59	U	59	8.2
67-63-0	Isopropyl alcohol	60.10	230		61	1.8
75-15-0	Carbon disulfide	76.14	7.8	U	7.8	0.47
107-05-1	Allyl chloride	76.53	7.8	U	7.8	2.5
75-09-2	Methylene Chloride	84.93	11		8.7	2.1
75-65-0	tert-Butyl alcohol	74.12	76	U	76	1.8
1634-04-4	Methyl tert-butyl ether	88.15	3.6	U	3.6	0.40
156-60-5	trans-1,2-Dichloroethene	96.94	4.0	U	4.0	0.54
110-54-3	Hexane	86.17	3.5	U	3.5	0.49
75-34-3	1,1-Dichloroethane	98.96	4.0	U	4.0	0.57
78-93-3	Methyl Ethyl Ketone	72.11	7.4	U	7.4	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	4.0	U	4.0	0.59
540-59-0	1,2-Dichloroethene, Total	96.94	4.0	U	4.0	1.1
67-66-3	Chloroform	119.38	4.9	U	4.9	0.93
109-99-9	Tetrahydrofuran	72.11	74	U	74	2.7
71-55-6	1,1,1-Trichloroethane	133.41	9.3		5.5	0.82
110-82-7	Cyclohexane	84.16	1.9	J	3.4	0.17
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	0.35
540-84-1	2,2,4-Trimethylpentane	114.23	4.7	U	4.7	0.54
71-43-2	Benzene	78.11	3.2	U	3.2	0.46
107-06-2	1,2-Dichloroethane	98.96	4.0	U	4.0	1.1
142-82-5	Heptane	100.21	4.1	U	4.1	0.76

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-2 Lab Sample ID: 200-24716-2

Matrix: Air Lab File ID: 10013_07.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:20

Sample wt/vol: 40(mL) Date Analyzed: 10/15/2014 16:17

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	19		1.1	0.81
80-62-6	Methyl methacrylate	100.12	10	U	10	2.0
78-87-5	1,2-Dichloropropane	112.99	4.6	U	4.6	0.81
123-91-1	1,4-Dioxane	88.11	90	U	90	2.9
75-27-4	Bromodichloromethane	163.83	6.7	U	6.7	0.97
10061-01-5	cis-1,3-Dichloropropene	110.97	4.5	U	4.5	0.66
108-10-1	methyl isobutyl ketone	100.16	10	U	10	3.7
108-88-3	Toluene	92.14	0.72	J	3.8	0.47
10061-02-6	trans-1,3-Dichloropropene	110.97	4.5	U	4.5	0.59
79-00-5	1,1,2-Trichloroethane	133.41	5.5	U	5.5	1.0
127-18-4	Tetrachloroethene	165.83	52		6.8	1.0
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10	U	10	3.5
124-48-1	Dibromochloromethane	208.29	8.5	U	8.5	0.85
106-93-4	1,2-Dibromoethane	187.87	7.7	U	7.7	0.69
108-90-7	Chlorobenzene	112.56	4.6	U	4.6	0.41
100-41-4	Ethylbenzene	106.17	4.3	U	4.3	0.43
179601-23-1	m,p-Xylene	106.17	11	U	11	0.54
95-47-6	Xylene, o-	106.17	4.3	U	4.3	0.39
1330-20-7	Xylene (total)	106.17	4.3	U	4.3	0.89
100-42-5	Styrene	104.15	4.3	U	4.3	0.34
75-25-2	Bromoform	252.75	10	U	10	1.3
79-34-5	1,1,2,2-Tetrachloroethane	167.85	6.9	U	6.9	1.2
103-65-1	n-Propylbenzene	120.19	4.9	U	4.9	0.66
622-96-8	4-Ethyltoluene	120.20	4.9	U	4.9	0.49
108-67-8	1,3,5-Trimethylbenzene	120.20	4.9	U	4.9	0.47
95-49-8	2-Chlorotoluene	126.59	5.2	U	5.2	0.80
98-06-6	tert-Butylbenzene	134.22	5.5	U	5.5	0.55
95-63-6	1,2,4-Trimethylbenzene	120.20	4.9	U	4.9	0.39
135-98-8	sec-Butylbenzene	134.22	5.5	U	5.5	0.58
99-87-6	4-Isopropyltoluene	134.22	5.5	U	5.5	0.55
541-73-1	1,3-Dichlorobenzene	147.00	6.0	U	6.0	0.60
106-46-7	1,4-Dichlorobenzene	147.00	6.0	U	6.0	0.57
100-44-7	Benzyl chloride	126.58	5.2	U	5.2	0.47
104-51-8	n-Butylbenzene	134.22	5.5	U	5.5	0.77

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-2 Lab Sample ID: 200-24716-2

Matrix: Air Lab File ID: 10013_07.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:20

Sample wt/vol: 40(mL) Date Analyzed: 10/15/2014 16:17

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	6.0	U	6.0	0.54
120-82-1	1,2,4-Trichlorobenzene	181.45	19	U	19	1.3
87-68-3	Hexachloro-1,3-butadiene	260.76	11	U	11	1.9
91-20-3	Naphthalene	128.17	13	U	13	0.79

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_07.D
Lims ID: 200-24716-A-2 Lab Sample ID: 200-24716-2
Client ID: SDS-2
Sample Type: Client
Inject. Date: 15-Oct-2014 16:17:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 200-0010013-007
Misc. Info.: 24716-02
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 16-Oct-2014 11:43:38 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 16-Oct-2014 11:06:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.224	3.224	0.000	99	173213	1.58	
6 Chlorodifluoromethane	51	3.267	3.266	0.001	91	3601	0.0813	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.453				ND	
8 Chloromethane	50		3.592				ND	
9 Butane	43		3.773				ND	
10 Vinyl chloride	62		3.816				ND	
11 Butadiene	54		3.880				ND	
12 Bromomethane	94		4.595				ND	
14 Chloroethane	64		4.841				ND	
16 Vinyl bromide	106		5.257				ND	
17 Trichlorofluoromethane	101		5.353				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.399				ND	
24 1,1-Dichloroethene	96		6.479				ND	
25 Acetone	43		6.655				ND	
26 Isopropyl alcohol	45	6.853	6.858	-0.005	96	591112	19.0	
27 Carbon disulfide	76		6.912				ND	
29 3-Chloro-1-propene	41		7.200				ND	
31 Methylene Chloride	49	7.467	7.467	0.000	78	16846	0.6385	
32 2-Methyl-2-propanol	59		7.568				ND	
33 Methyl tert-butyl ether	73		7.798				ND	
34 trans-1,2-Dichloroethene	61		7.867				ND	
36 Hexane	57		8.182				ND	
37 1,1-Dichloroethane	63		8.625				ND	
* 44 Chlorobromomethane	128	9.906	9.906	0.000	67	377048	10.0	
39 cis-1,2-Dichloroethene	96		9.532				ND	
40 2-Butanone (MEK)	72		9.532				ND	
43 Tetrahydrofuran	42		9.906				ND	
45 Chloroform	83		9.975				ND	
S 42 1,2-Dichloroethene, Total	61		10.000				0	
47 1,1,1-Trichloroethane	97	10.226	10.226	0.000	96	35028	0.3404	
46 Cyclohexane	84	10.226	10.226	0.000	40	5123	0.1106	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		10.423				ND	
49 Isooctane	57		10.695				ND	
50 Benzene	78		10.760				ND	
51 1,2-Dichloroethane	62		10.877				ND	
52 n-Heptane	43		10.941				ND	
* 54 1,4-Difluorobenzene	114	11.304	11.304	0.000	92	1823513	10.0	
57 Trichloroethene	95	11.667	11.667	0.000	94	36814	0.6904	
58 1,2-Dichloropropane	63		12.056				ND	
59 Methyl methacrylate	69		12.078				ND	
60 1,4-Dioxane	88		12.174				ND	
62 Dichlorobromomethane	83		12.409				ND	
64 cis-1,3-Dichloropropene	75		13.038				ND	
65 4-Methyl-2-pentanone (MIBK	43		13.188				ND	
68 Toluene	92	13.460	13.460	0.000	91	3032	0.0383	
70 trans-1,3-Dichloropropene	75		13.834				ND	
71 1,1,2-Trichloroethane	83		14.106				ND	
72 Tetrachloroethene	166	14.223	14.223	0.000	97	124884	1.53	
73 2-Hexanone	43		14.357				ND	
74 Chlorodibromomethane	129		14.650				ND	
75 Ethylene Dibromide	107		14.853				ND	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	84	1571677	10.0	
77 Chlorobenzene	112		15.435				ND	
79 Ethylbenzene	91		15.499				ND	
80 m-Xylene & p-Xylene	106		15.643				ND	
S 81 Xylenes, Total	106		16.000				0	
82 o-Xylene	106		16.150				ND	
83 Styrene	104		16.176				ND	
84 Bromoform	173		16.470				ND	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	91	1207468	NC	
87 1,1,2,2-Tetrachloroethane	83		16.972				ND	
88 N-Propylbenzene	91		17.030				ND	
91 4-Ethyltoluene	105		17.153				ND	
92 2-Chlorotoluene	91		17.201				ND	
93 1,3,5-Trimethylbenzene	105		17.223				ND	
95 tert-Butylbenzene	119		17.601				ND	
96 1,2,4-Trimethylbenzene	105		17.676				ND	
97 sec-Butylbenzene	105		17.863				ND	
98 4-Isopropyltoluene	119		18.018				ND	
99 1,3-Dichlorobenzene	146		18.103				ND	
100 1,4-Dichlorobenzene	146		18.215				ND	
101 Benzyl chloride	91		18.381				ND	
103 n-Butylbenzene	91		18.535				ND	
104 1,2-Dichlorobenzene	146		18.717				ND	
107 1,2,4-Trichlorobenzene	180		21.140				ND	
108 Hexachlorobutadiene	225		21.300				ND	
109 Naphthalene	128		21.652				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15BISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

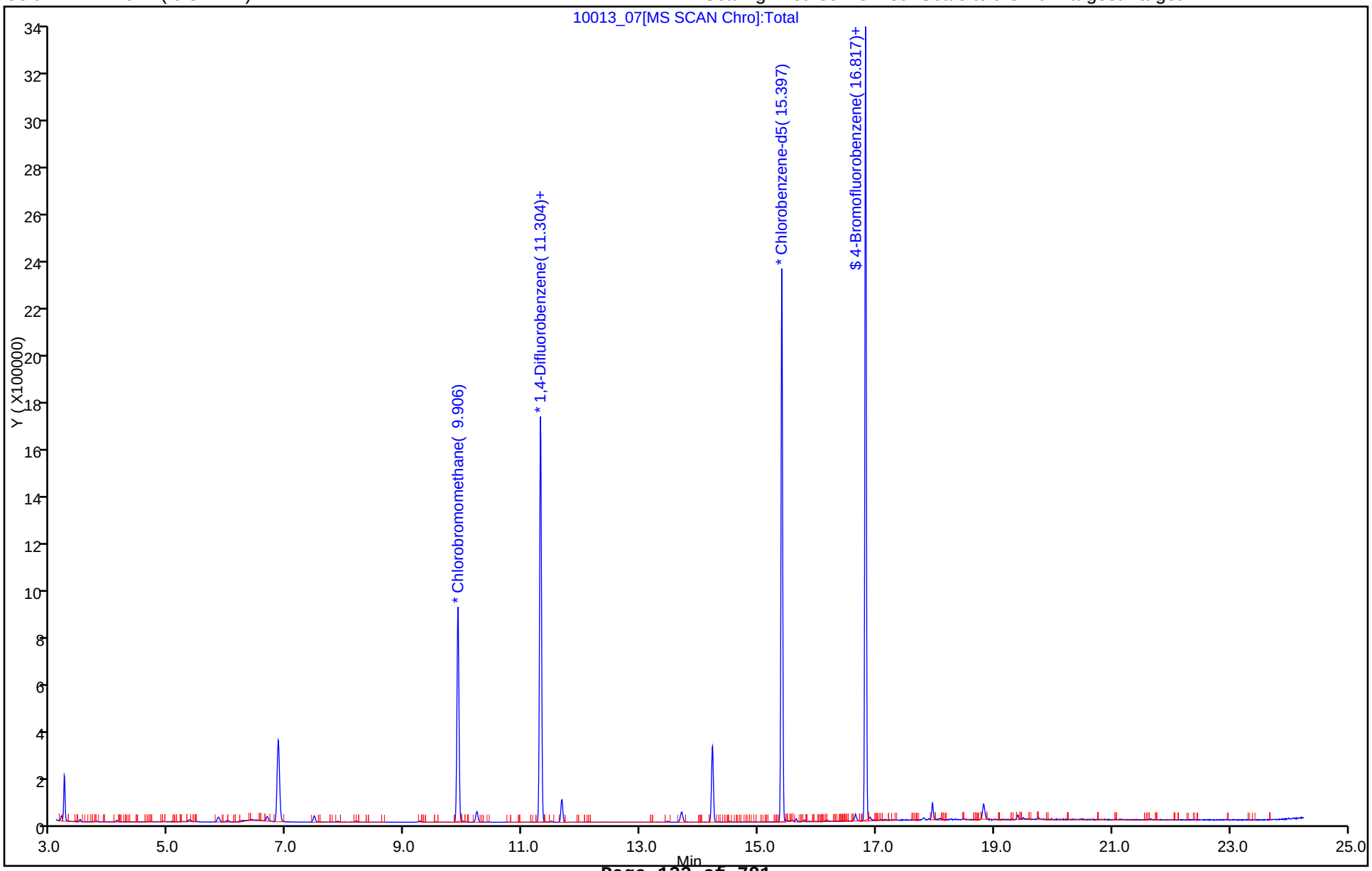
Report Date: 16-Oct-2014 11:43:51 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_07.D

Injection Date:	15-Oct-2014 16:17:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-24716-A-2	Lab Sample ID:	200-24716-2	Worklist Smp#:	7
Client ID:	SDS-2				
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



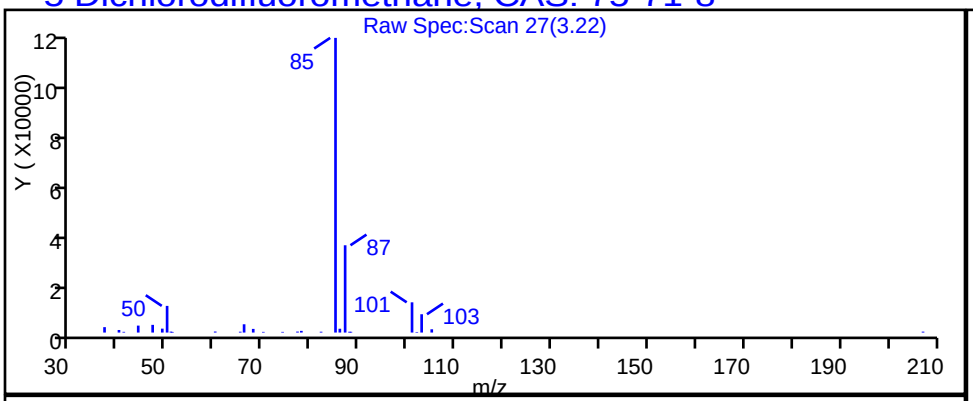
Report Date: 16-Oct-2014 11:43:52 Chrom Revision: 2.2 07-Oct-2014 12:16:06

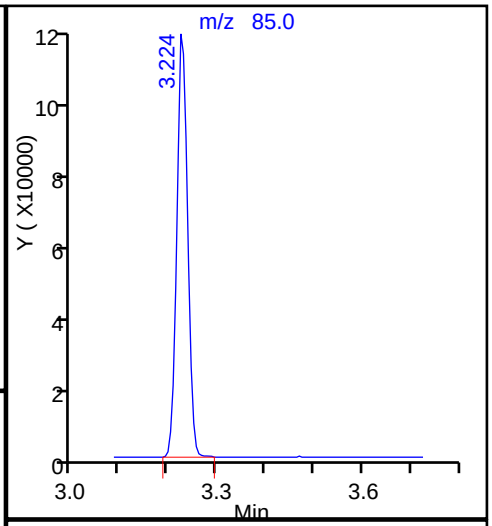
TestAmerica Burlington

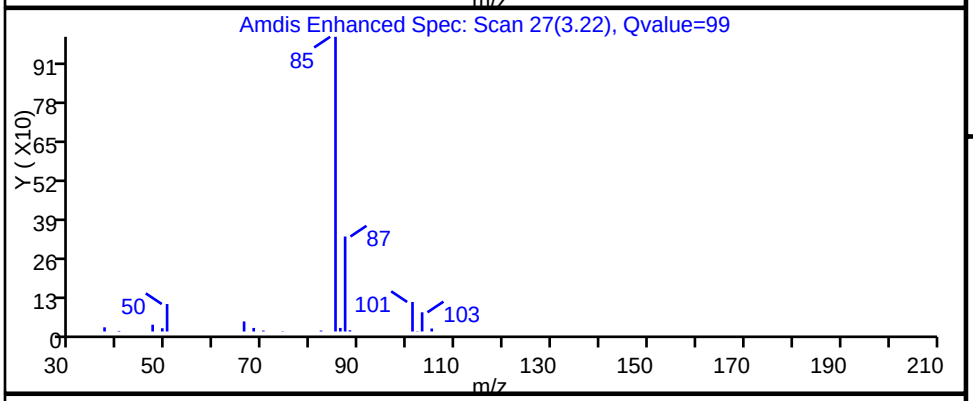
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_07.D

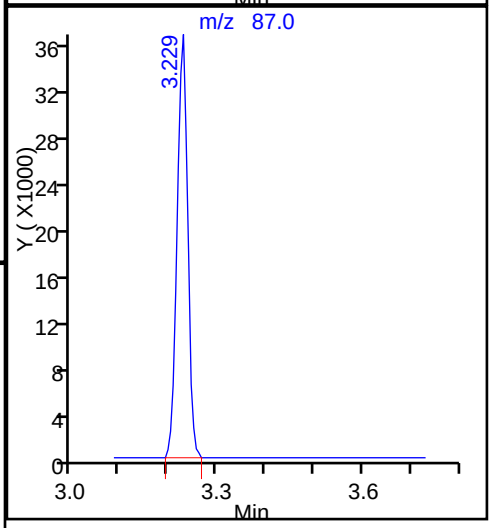
Injection Date:	15-Oct-2014 16:17:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-2	Lab Sample ID:	200-24716-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

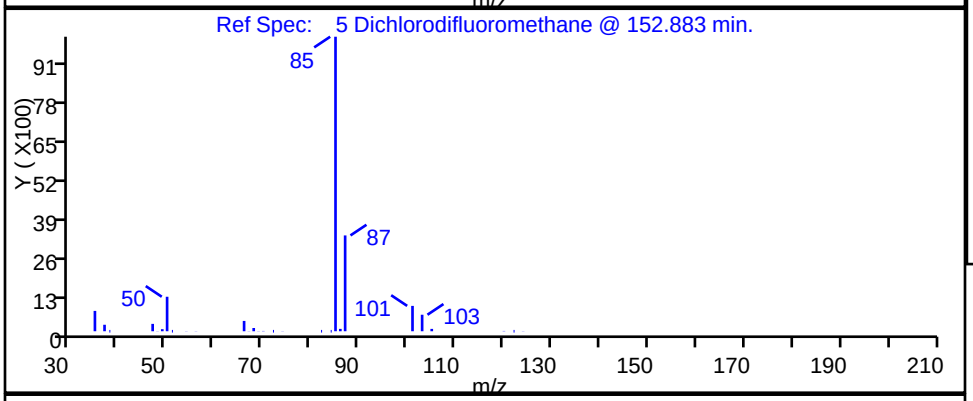
5 Dichlorodifluoromethane, CAS: 75-71-8

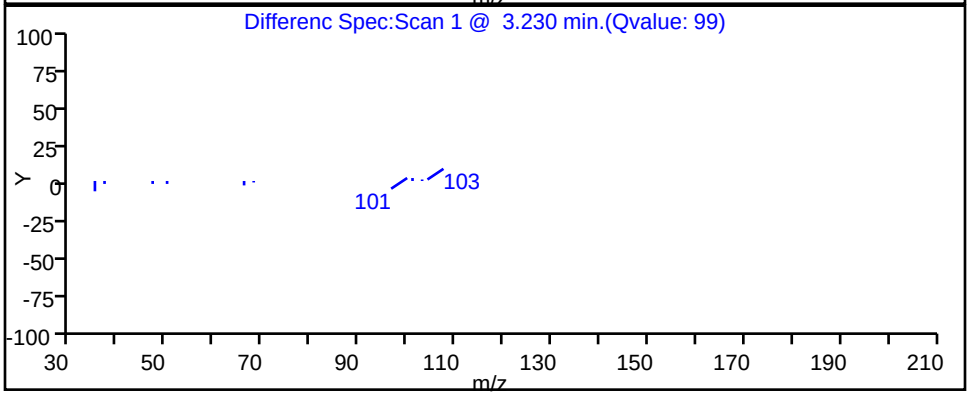












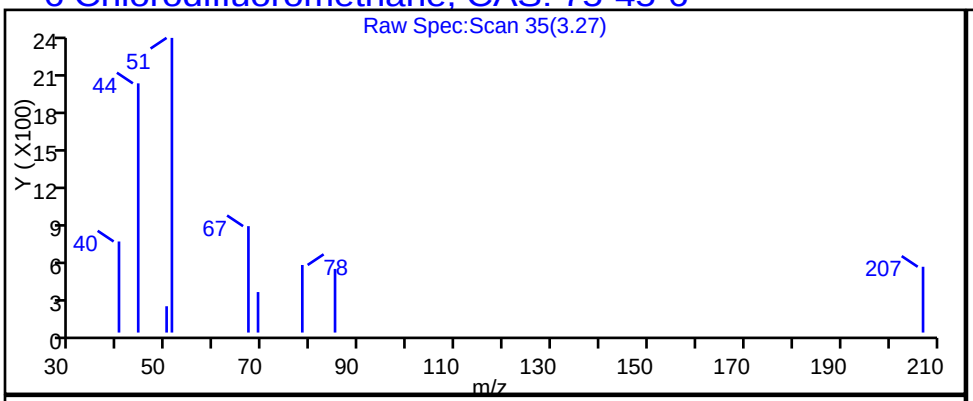
Report Date: 16-Oct-2014 11:43:52 Chrom Revision: 2.2 07-Oct-2014 12:16:06

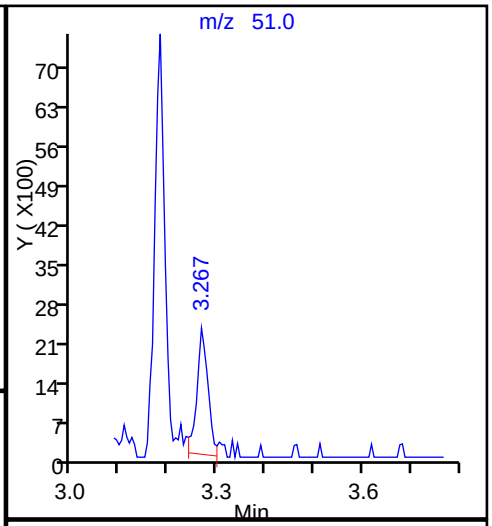
TestAmerica Burlington

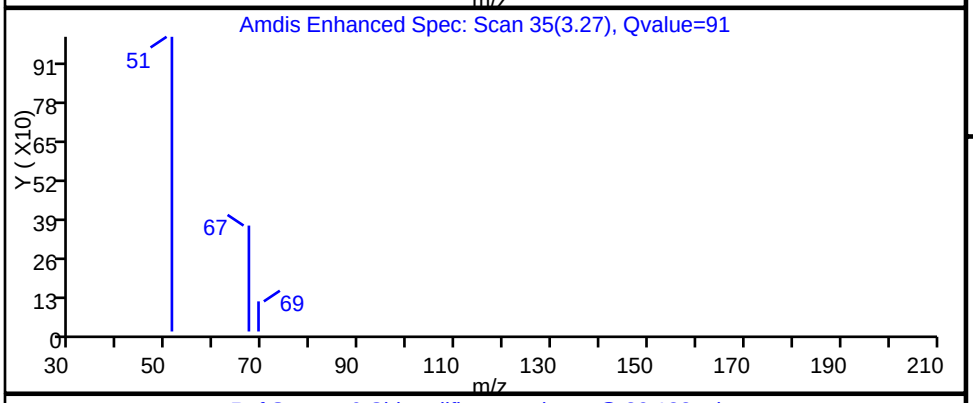
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_07.D

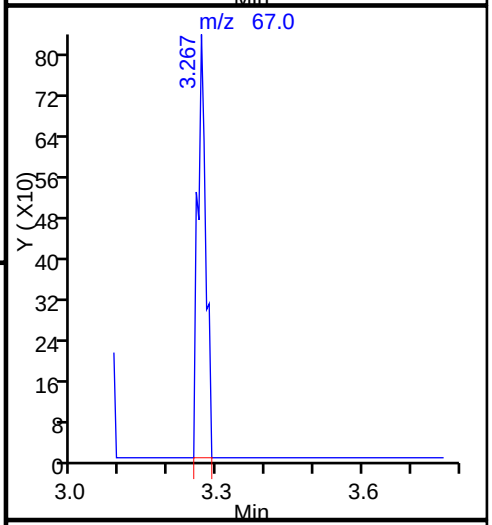
Injection Date:	15-Oct-2014 16:17:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-2	Lab Sample ID:	200-24716-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

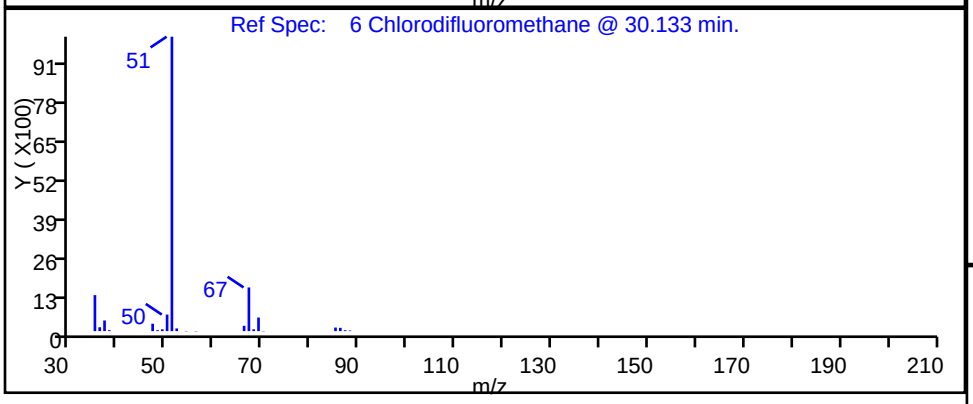
6 Chlorodifluoromethane, CAS: 75-45-6

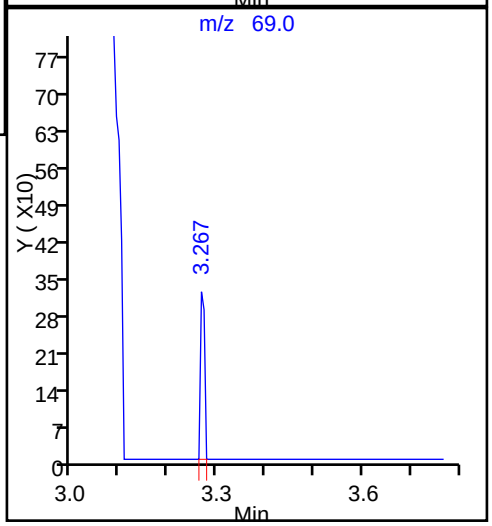












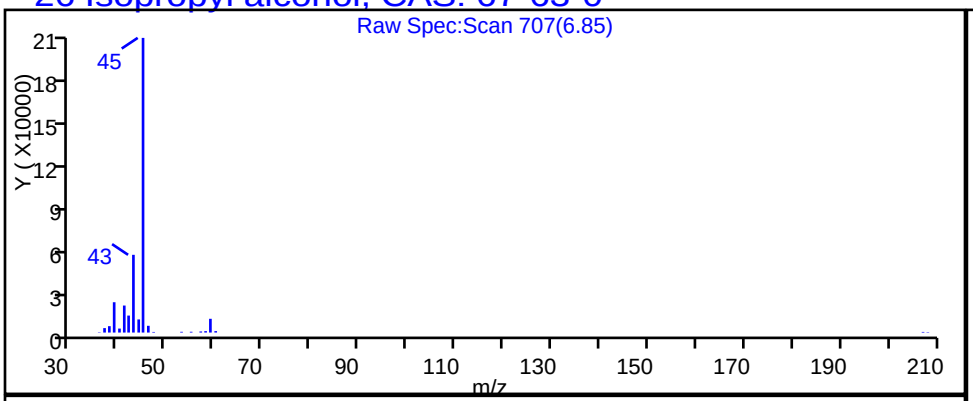
Report Date: 16-Oct-2014 11:43:52 Chrom Revision: 2.2 07-Oct-2014 12:16:06

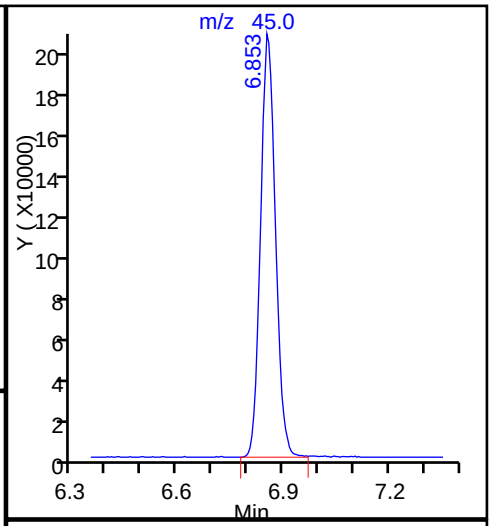
TestAmerica Burlington

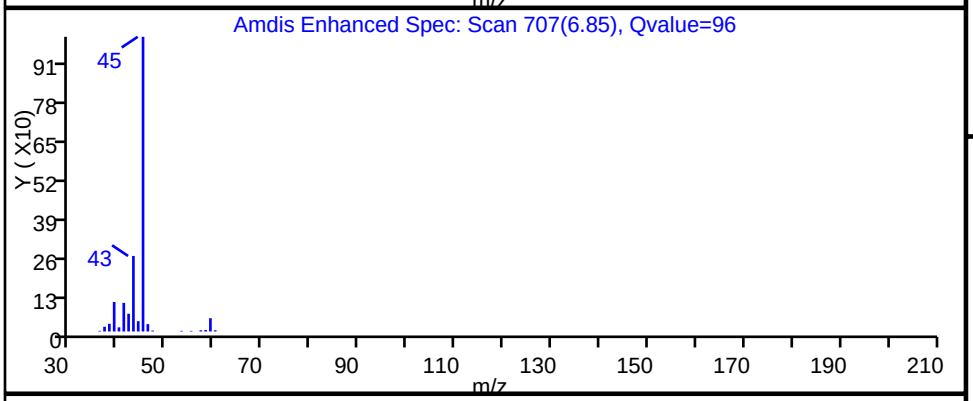
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_07.D

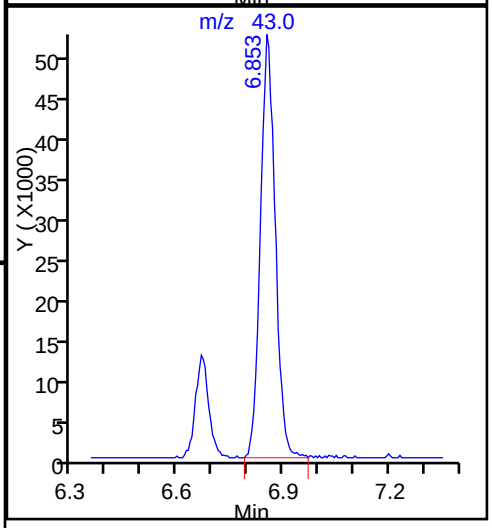
Injection Date:	15-Oct-2014 16:17:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-2	Lab Sample ID:	200-24716-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

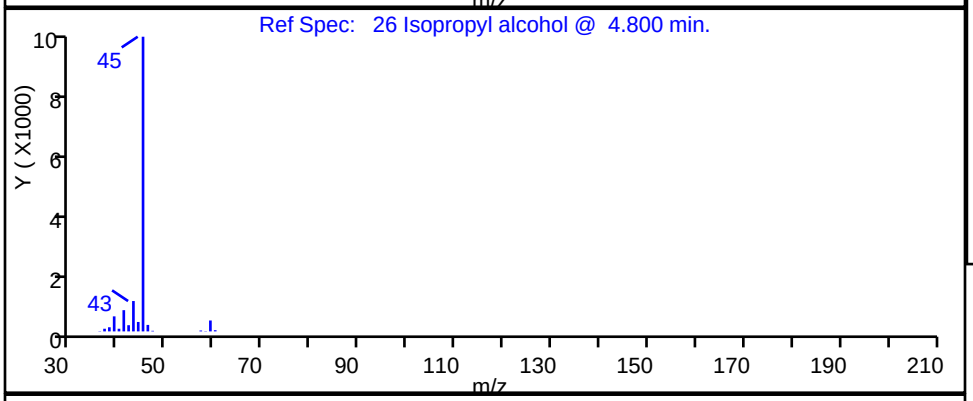
26 Isopropyl alcohol, CAS: 67-63-0

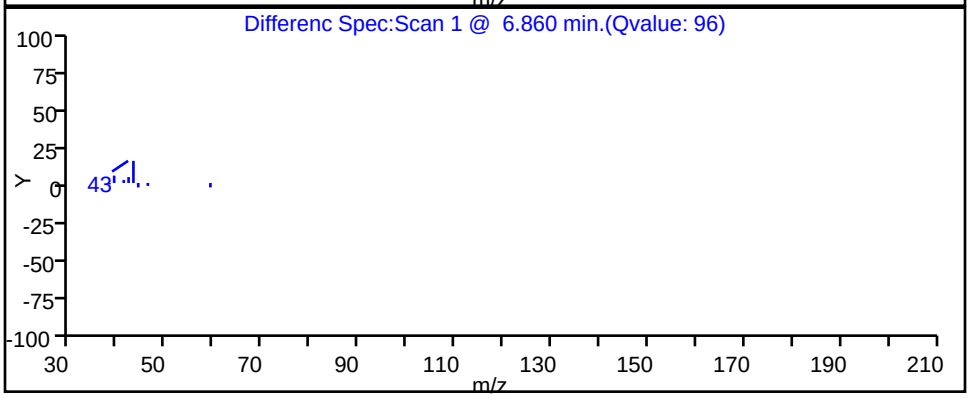












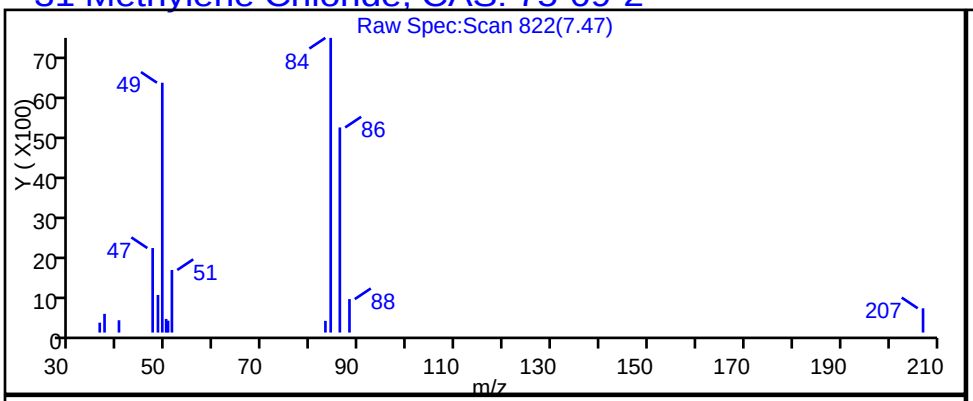
Report Date: 16-Oct-2014 11:43:52 Chrom Revision: 2.2 07-Oct-2014 12:16:06

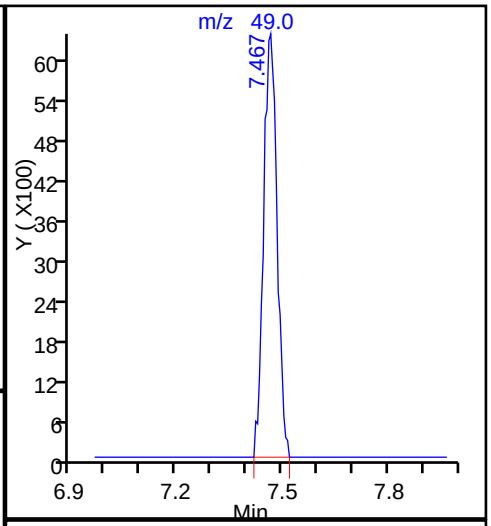
TestAmerica Burlington

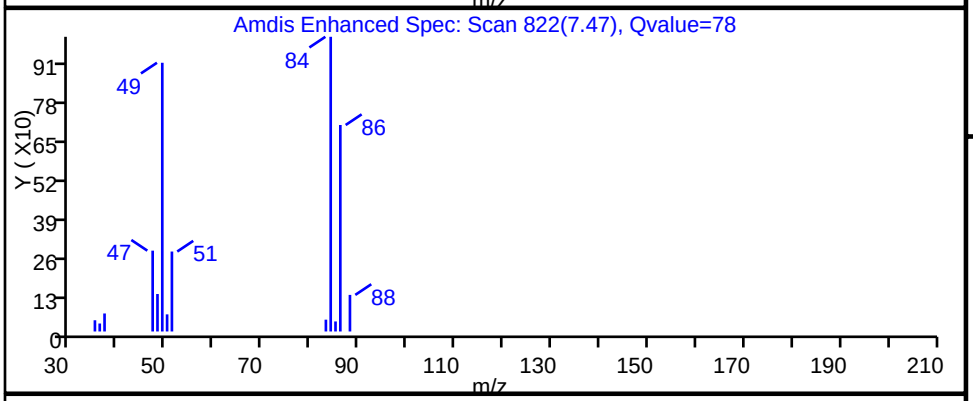
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_07.D

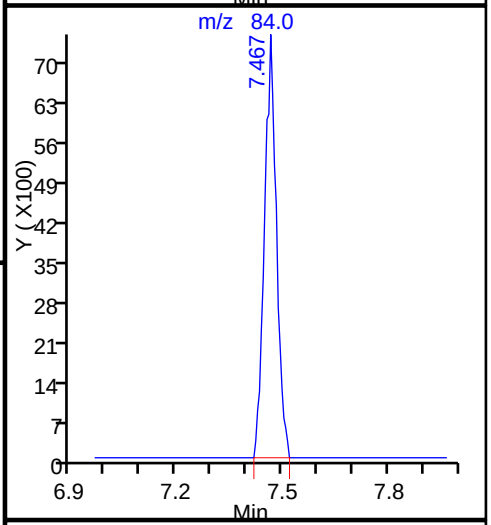
Injection Date:	15-Oct-2014 16:17:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-2	Lab Sample ID:	200-24716-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

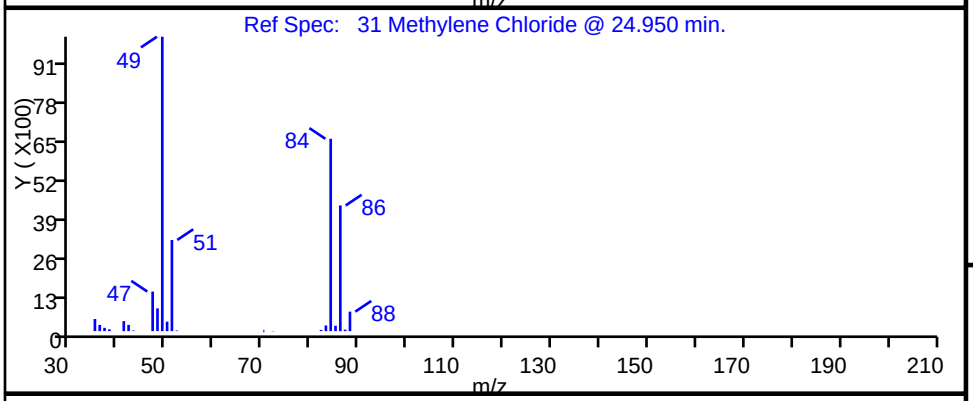
31 Methylene Chloride, CAS: 75-09-2

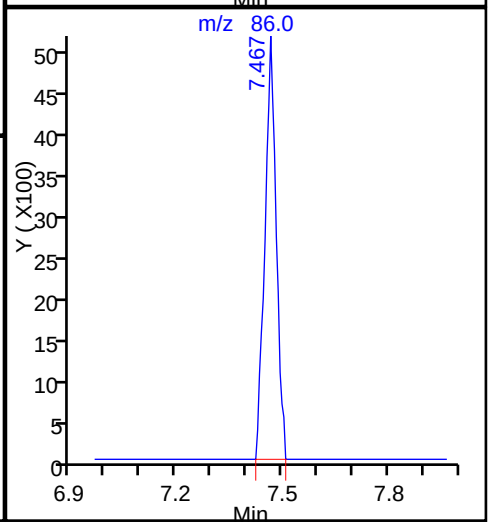


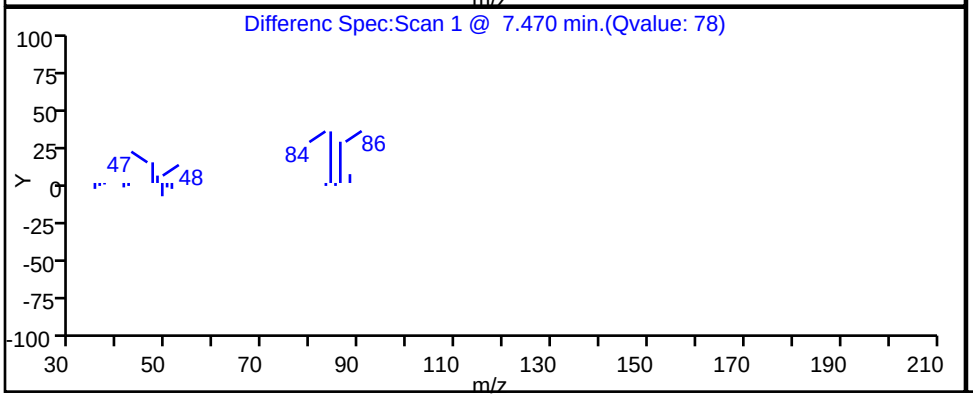












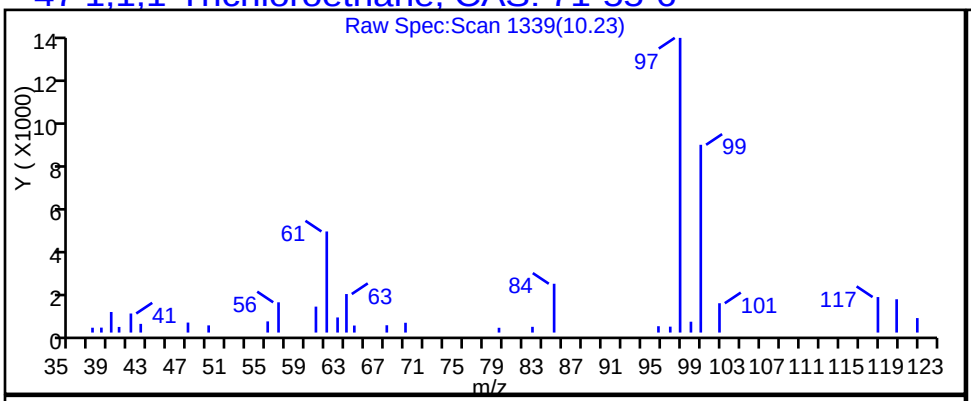
Report Date: 16-Oct-2014 11:43:52 Chrom Revision: 2.2 07-Oct-2014 12:16:06

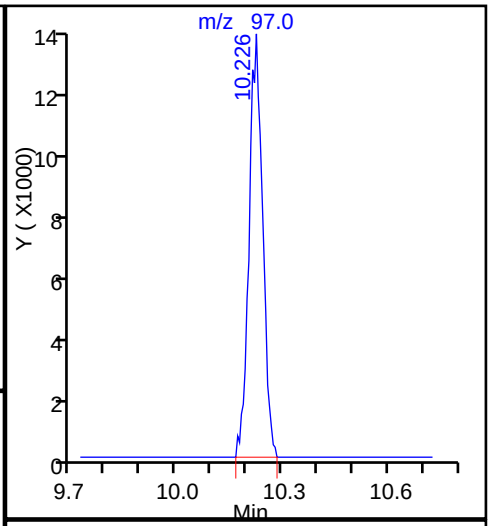
TestAmerica Burlington

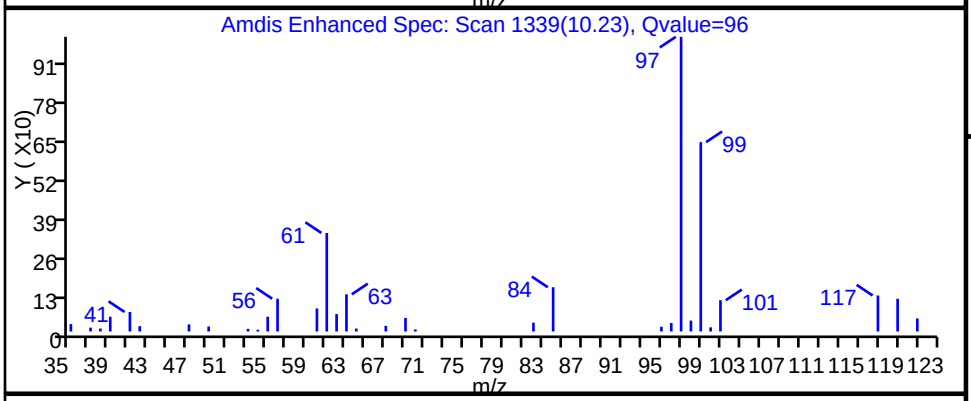
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_07.D

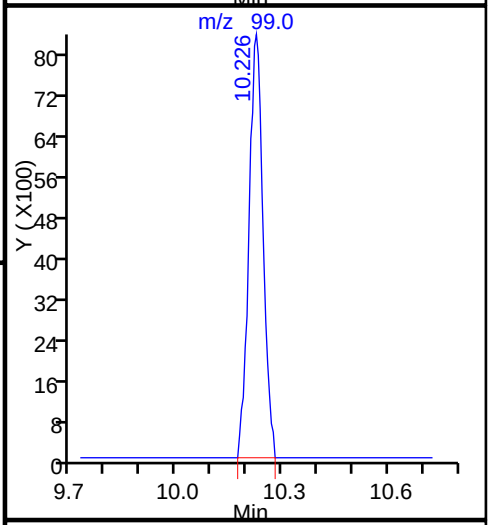
Injection Date:	15-Oct-2014 16:17:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-2	Lab Sample ID:	200-24716-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

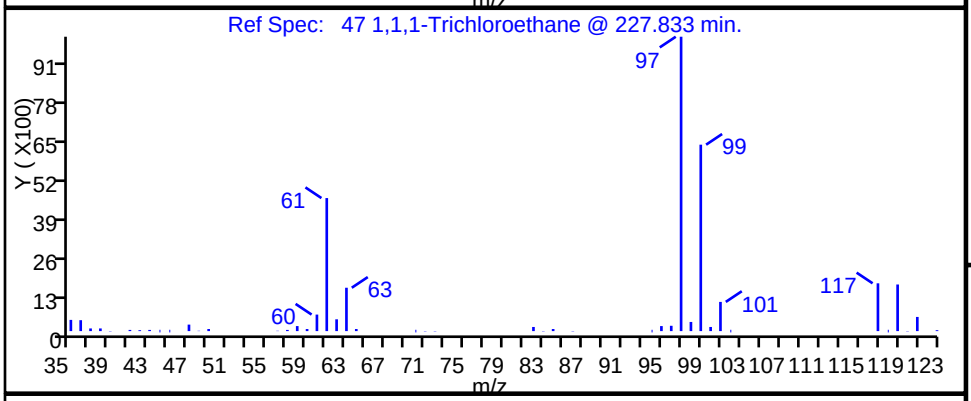
47 1,1,1-Trichloroethane, CAS: 71-55-6

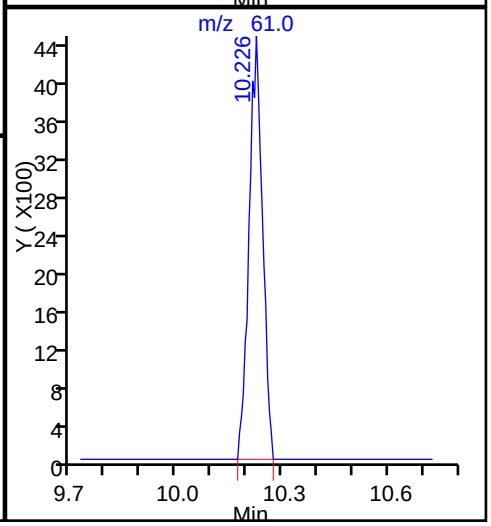


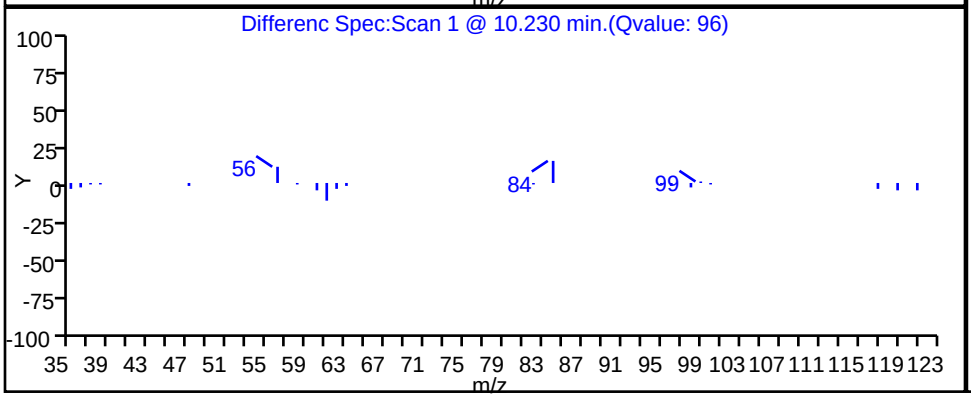












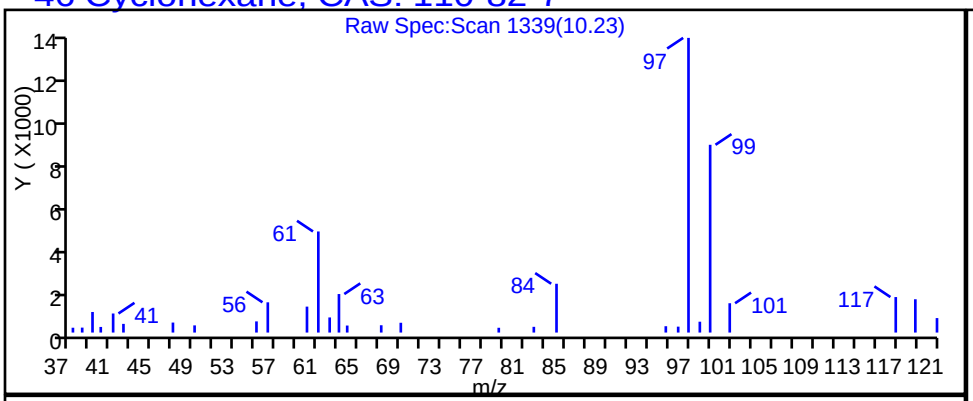
Report Date: 16-Oct-2014 11:43:52 Chrom Revision: 2.2 07-Oct-2014 12:16:06

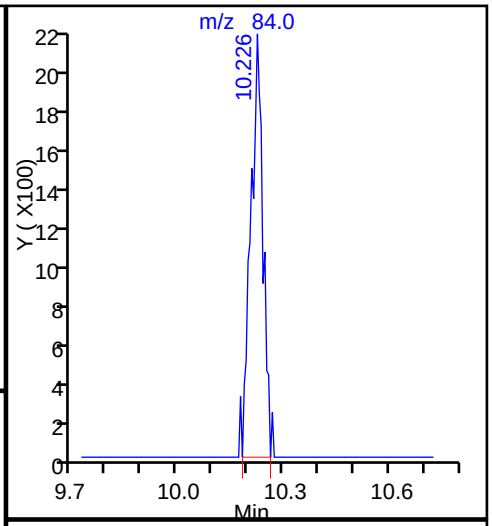
TestAmerica Burlington

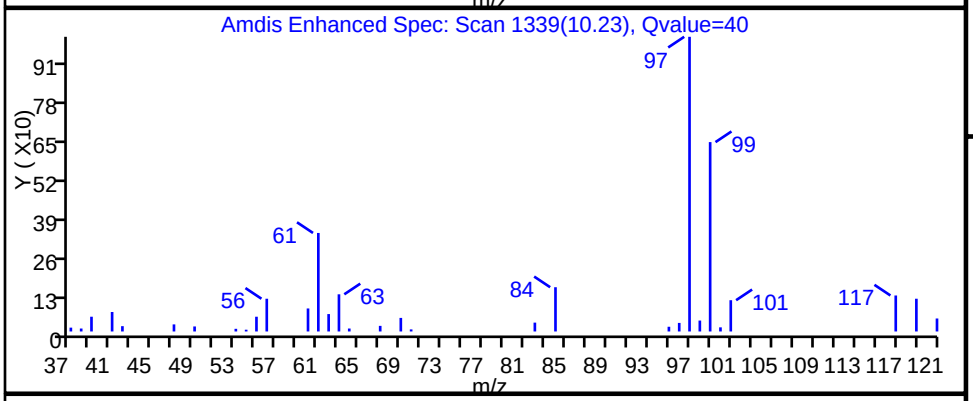
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_07.D

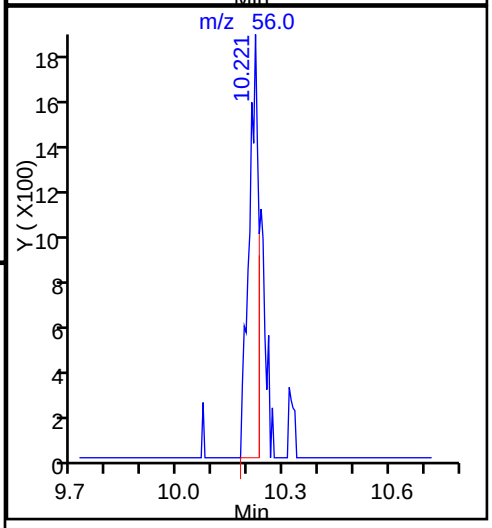
Injection Date:	15-Oct-2014 16:17:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-2	Lab Sample ID:	200-24716-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

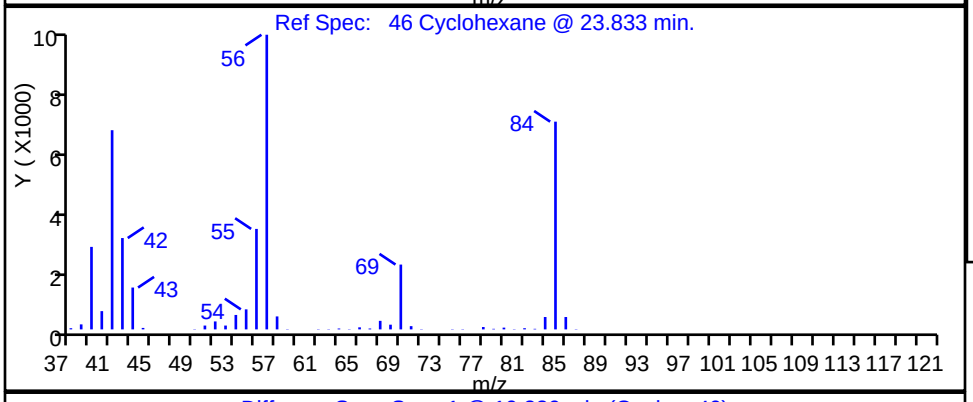
46 Cyclohexane, CAS: 110-82-7

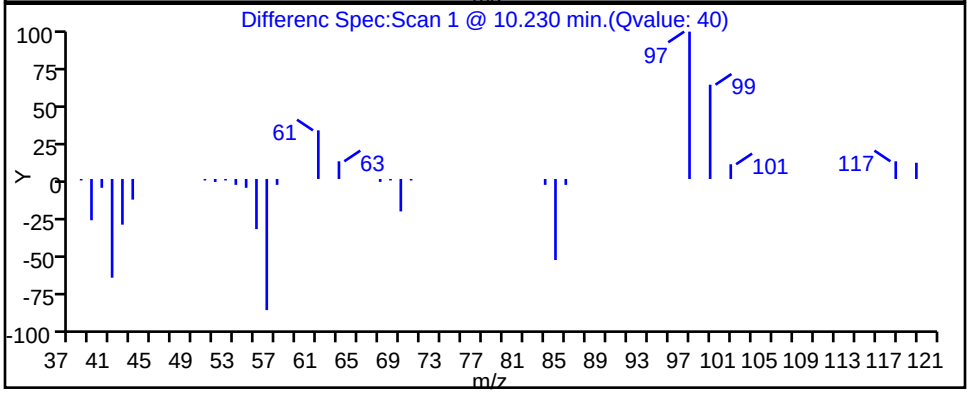












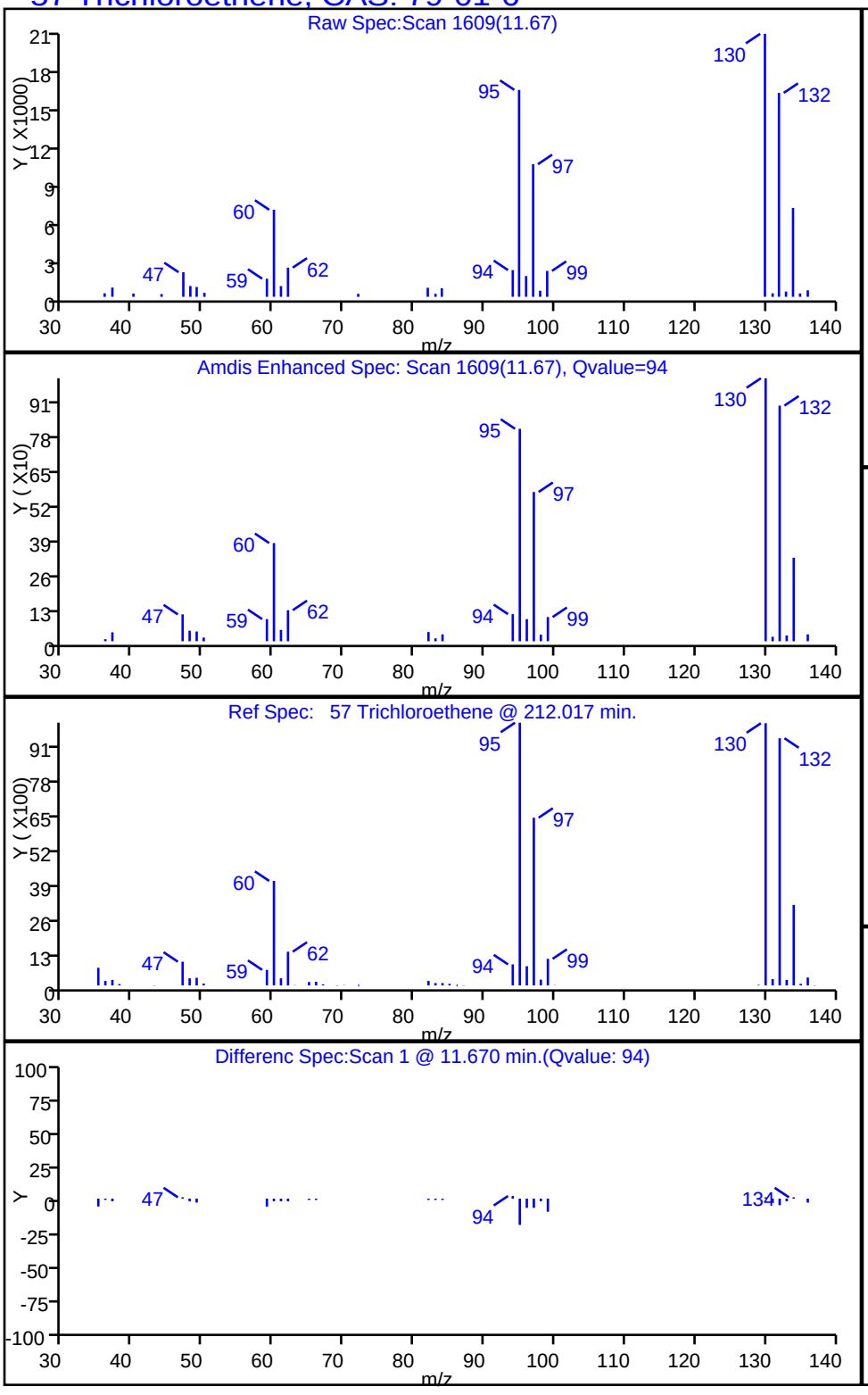
Report Date: 16-Oct-2014 11:43:52 Chrom Revision: 2.2 07-Oct-2014 12:16:06

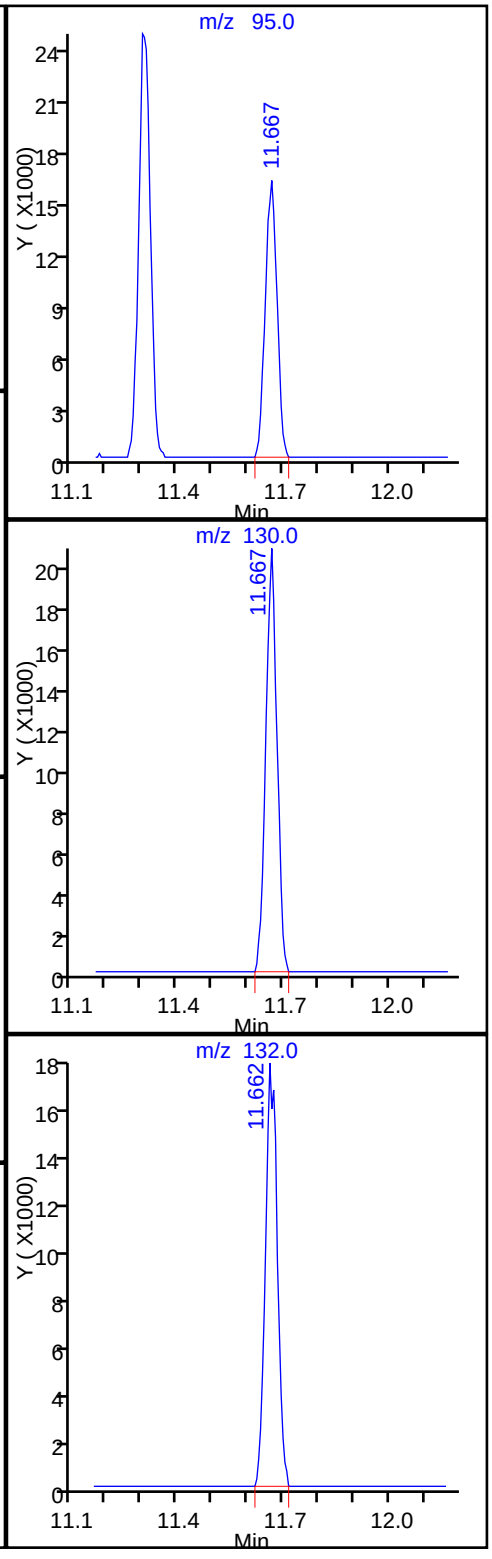
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_07.D

Injection Date:	15-Oct-2014 16:17:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-2	Lab Sample ID:	200-24716-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

57 Trichloroethene, CAS: 79-01-6





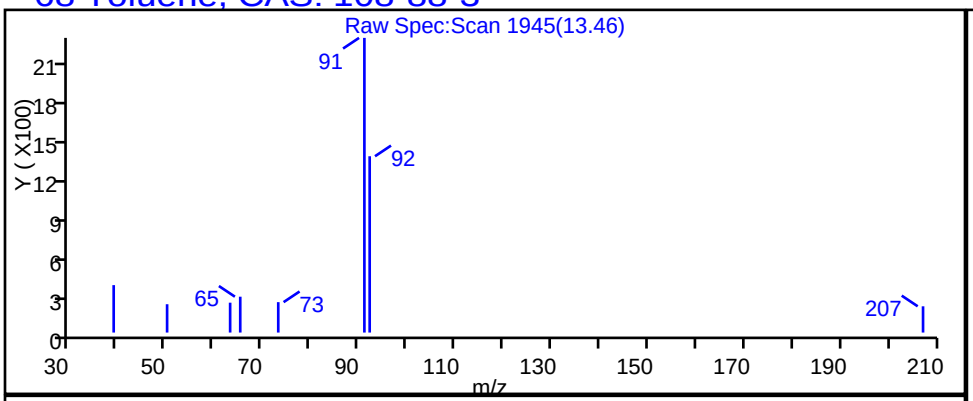
Report Date: 16-Oct-2014 11:43:52 Chrom Revision: 2.2 07-Oct-2014 12:16:06

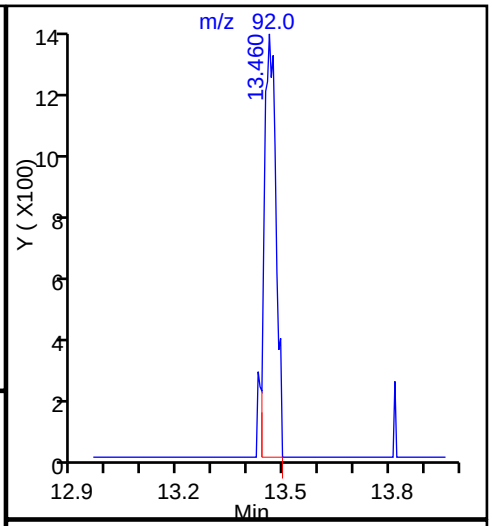
TestAmerica Burlington

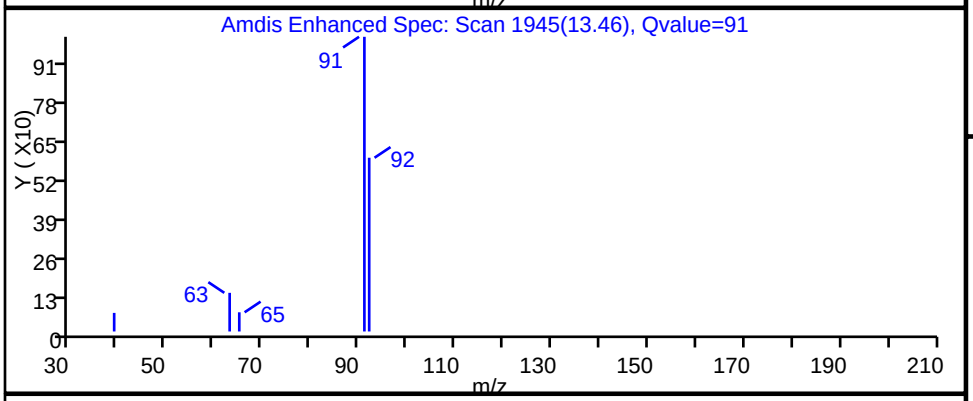
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_07.D

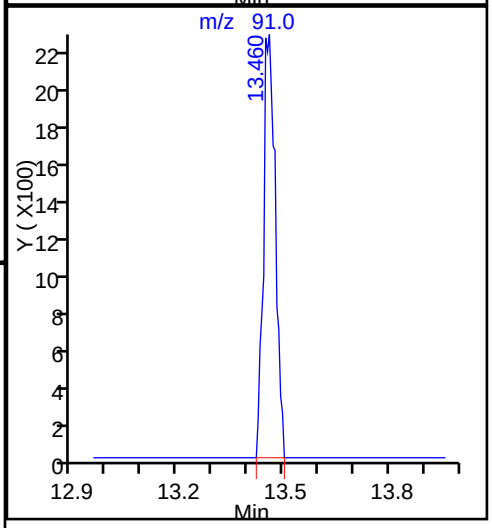
Injection Date:	15-Oct-2014 16:17:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-2	Lab Sample ID:	200-24716-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

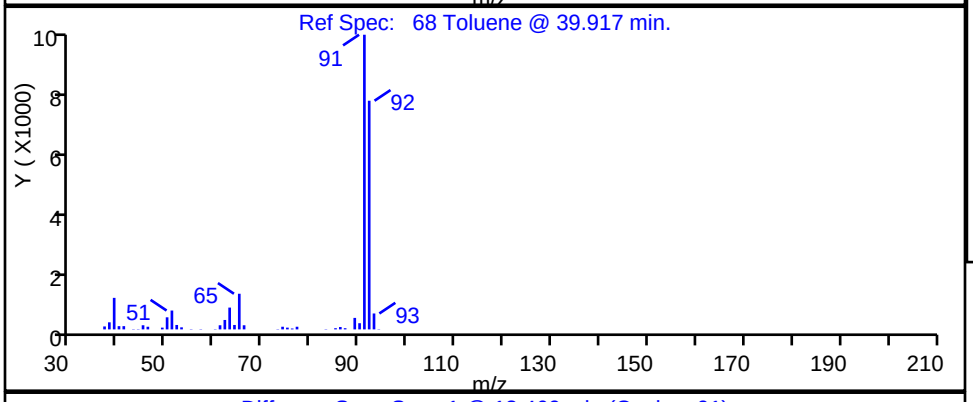
68 Toluene, CAS: 108-88-3

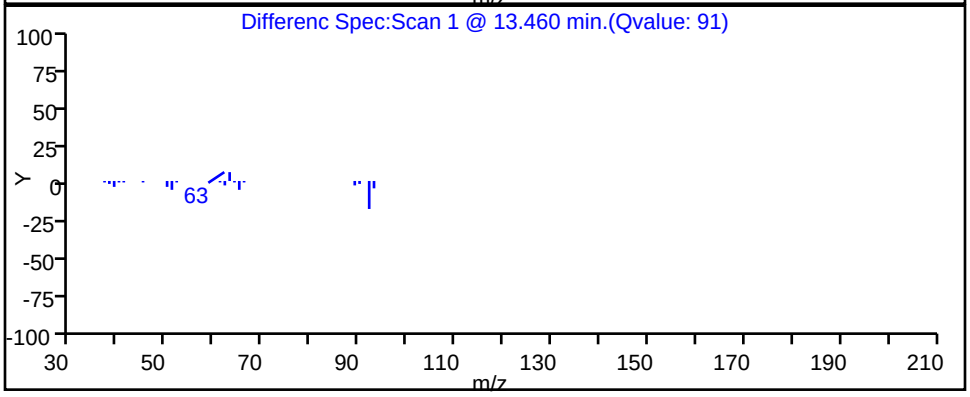












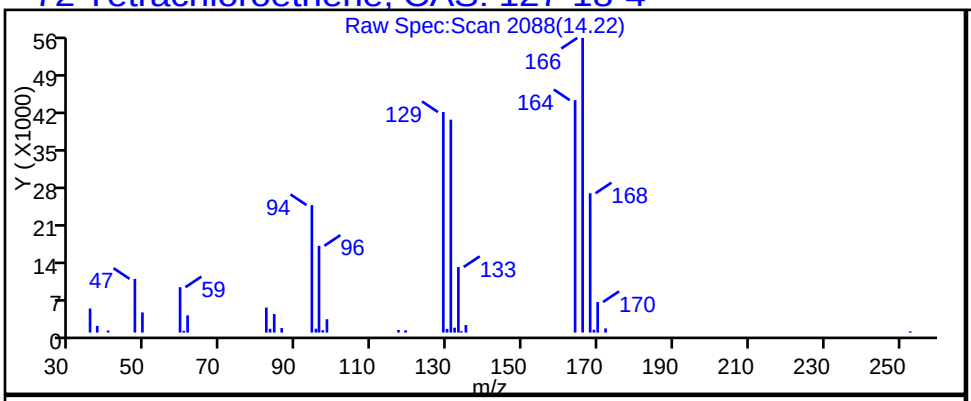
Report Date: 16-Oct-2014 11:43:52 Chrom Revision: 2.2 07-Oct-2014 12:16:06

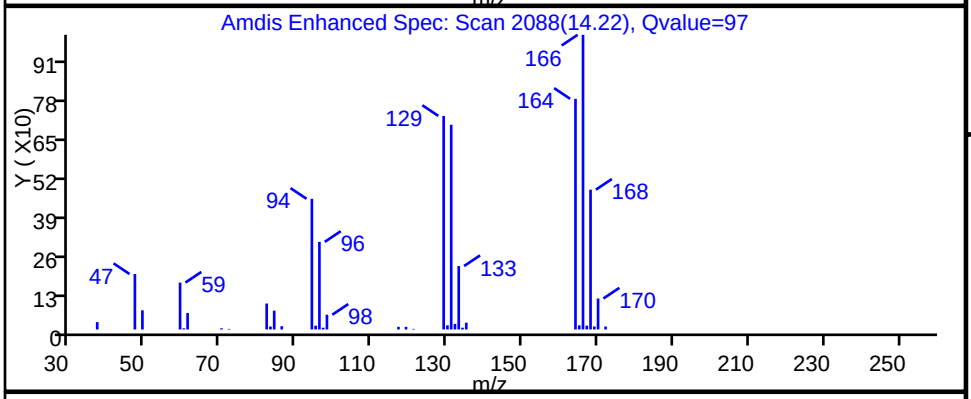
TestAmerica Burlington

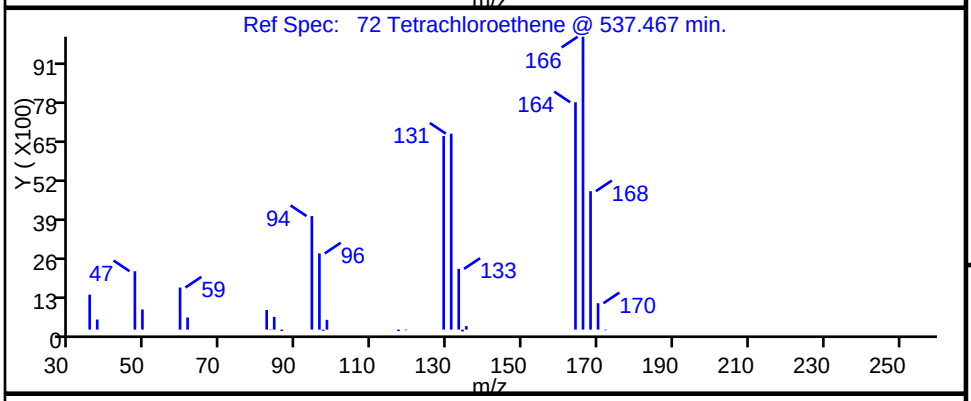
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_07.D

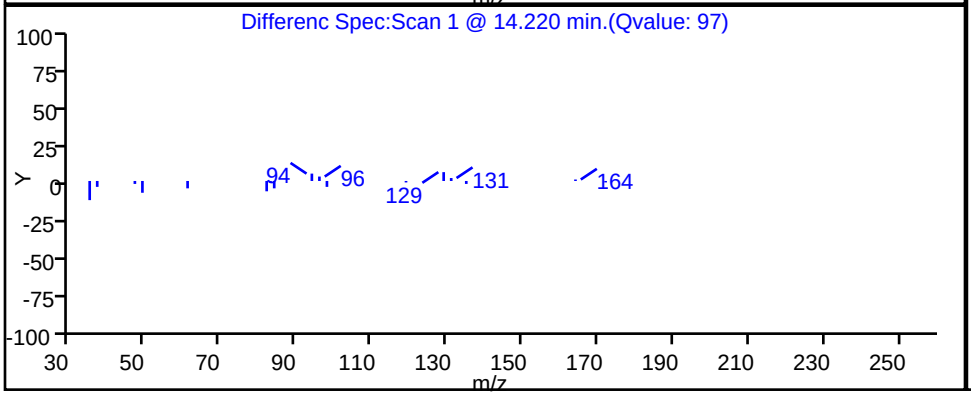
Injection Date:	15-Oct-2014 16:17:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-2	Lab Sample ID:	200-24716-2		
Client ID:	SDS-2				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

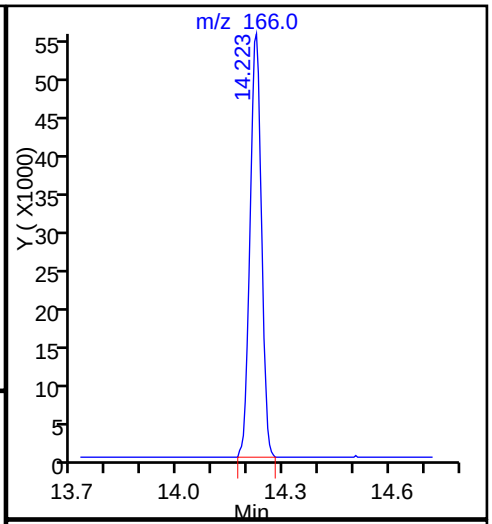
72 Tetrachloroethene, CAS: 127-18-4

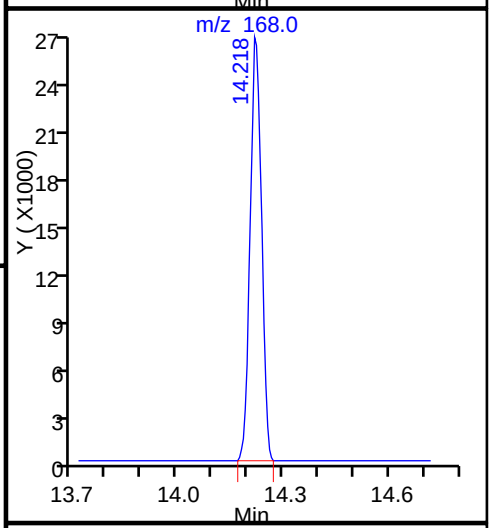


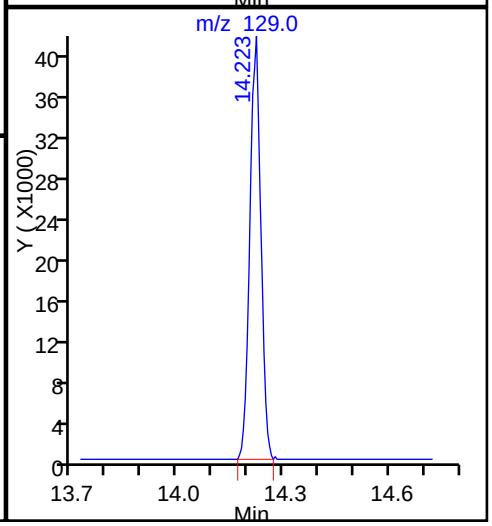












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-3 Lab Sample ID: 200-24716-3

Matrix: Air Lab File ID: 10013_08.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:40

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 17:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.56		0.50	0.056
75-45-6	Freon 22	86.47	0.72		0.50	0.080
76-14-2	Freon-114	170.92	0.20	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.060
106-97-8	n-Butane	58.12	0.84		0.50	0.18
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.026
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.061
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.020
75-69-4	Freon 11	137.37	0.28		0.20	0.045
76-13-1	Freon 113	187.38	0.14	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.010
67-64-1	Acetone	58.08	6.0		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	30		5.0	0.15
75-15-0	Carbon disulfide	76.14	1.3		0.50	0.030
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	16		0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.027
110-54-3	Hexane	86.17	0.093	J	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.035	J	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.14	J	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.14	J	0.20	0.053
67-66-3	Chloroform	119.38	0.19	J	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.42		0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.055		0.040	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.023
71-43-2	Benzene	78.11	0.20	U	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.052
142-82-5	Heptane	100.21	0.20	U	0.20	0.037

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-3 Lab Sample ID: 200-24716-3

Matrix: Air Lab File ID: 10013_08.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:40

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 17:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.4		0.040	0.030
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.18
108-88-3	Toluene	92.14	0.20	U	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.16	J	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.025
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.041
100-42-5	Styrene	104.15	0.20	U	0.20	0.016
75-25-2	Bromoform	252.75	0.20	U	0.20	0.025
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.019
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.028

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-3 Lab Sample ID: 200-24716-3

Matrix: Air Lab File ID: 10013_08.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:40

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 17:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.034
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.030

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-3 Lab Sample ID: 200-24716-3

Matrix: Air Lab File ID: 10013_08.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:40

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 17:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.8		2.5	0.28
75-45-6	Freon 22	86.47	2.5		1.8	0.28
76-14-2	Freon-114	170.92	1.4	U	1.4	0.36
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.12
106-97-8	n-Butane	58.12	2.0		1.2	0.43
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.066
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.17
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.16
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.087
75-69-4	Freon 11	137.37	1.6		1.1	0.25
76-13-1	Freon 113	187.38	1.1	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.040
67-64-1	Acetone	58.08	14		12	1.6
67-63-0	Isopropyl alcohol	60.10	73		12	0.37
75-15-0	Carbon disulfide	76.14	4.1		1.6	0.093
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	54		1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.33	J	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.14	J	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.55	J	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.56	J	0.79	0.21
67-66-3	Chloroform	119.38	0.94	J	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.16
110-82-7	Cyclohexane	84.16	1.4		0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.35		0.25	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.11
71-43-2	Benzene	78.11	0.64	U	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.21
142-82-5	Heptane	100.21	0.82	U	0.82	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-3 Lab Sample ID: 200-24716-3

Matrix: Air Lab File ID: 10013_08.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:40

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 17:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	7.8		0.21	0.16
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	18	U	18	0.58
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.74
108-88-3	Toluene	92.14	0.75	U	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	1.1	J	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.087
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.11
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.18
100-42-5	Styrene	104.15	0.85	U	0.85	0.068
75-25-2	Bromoform	252.75	2.1	U	2.1	0.26
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.11
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-3 Lab Sample ID: 200-24716-3

Matrix: Air Lab File ID: 10013_08.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:40

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 17:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.25
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.38
91-20-3	Naphthalene	128.17	2.6	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D
Lims ID: 200-24716-A-3 Lab Sample ID: 200-24716-3
Client ID: SDS-3
Sample Type: Client
Inject. Date: 15-Oct-2014 17:09:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010013-008
Misc. Info.: 24716-03
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 16-Oct-2014 11:43:38 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 16-Oct-2014 11:09:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.229	3.224	0.005	99	63736	0.5561	
6 Chlorodifluoromethane	51	3.266	3.266	0.000	94	33426	0.7202	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.453				ND	
8 Chloromethane	50		3.592				ND	
9 Butane	43	3.768	3.773	-0.005	93	24590	0.8371	
10 Vinyl chloride	62		3.816				ND	
11 Butadiene	54		3.880				ND	
12 Bromomethane	94		4.595				ND	
14 Chloroethane	64		4.841				ND	
16 Vinyl bromide	106		5.257				ND	
17 Trichlorofluoromethane	101	5.353	5.353	0.000	98	37010	0.2792	
23 1,1,2-Trichloro-1,2,2-trif	101	6.399	6.399	0.000	95	11149	0.1402	
24 1,1-Dichloroethene	96		6.479				ND	
25 Acetone	43	6.655	6.655	0.000	86	287811	6.04	
26 Isopropyl alcohol	45	6.863	6.858	0.005	97	970034	29.8	
27 Carbon disulfide	76	6.906	6.912	-0.006	95	109208	1.33	
29 3-Chloro-1-propene	41		7.200				ND	
31 Methylene Chloride	49	7.461	7.467	-0.006	79	429854	15.5	
32 2-Methyl-2-propanol	59		7.568				ND	
33 Methyl tert-butyl ether	73		7.798				ND	
34 trans-1,2-Dichloroethene	61		7.867				ND	
36 Hexane	57	8.176	8.182	-0.006	80	3437	0.0934	
37 1,1-Dichloroethane	63	8.614	8.625	-0.011	94	1907	0.0349	
* 44 Chlorobromomethane	128	9.906	9.906	0.000	67	395122	10.0	
39 cis-1,2-Dichloroethene	96	9.521	9.532	-0.011	54	5433	0.1390	M
40 2-Butanone (MEK)	72		9.532				ND	
43 Tetrahydrofuran	42	9.916	9.906	0.010	42	3269	0.1514	
45 Chloroform	83	9.970	9.975	-0.005	97	16962	0.1932	
S 42 1,2-Dichloroethene, Total	61				0		0.1390	
47 1,1,1-Trichloroethane	97		10.226				ND	
46 Cyclohexane	84	10.220	10.226	-0.006	77	20140	0.4188	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	10.418	10.423	-0.005	98	6548	0.0555	
49 Isooctane	57		10.695				ND	
50 Benzene	78		10.760				ND	
51 1,2-Dichloroethane	62		10.877				ND	
52 n-Heptane	43		10.941				ND	
* 54 1,4-Difluorobenzene	114	11.304	11.304	0.000	92	1893159	10.0	
57 Trichloroethene	95	11.661	11.667	-0.006	95	79964	1.44	
58 1,2-Dichloropropane	63		12.056				ND	
59 Methyl methacrylate	69		12.078				ND	
60 1,4-Dioxane	88		12.174				ND	
62 Dichlorobromomethane	83		12.409				ND	
64 cis-1,3-Dichloropropene	75		13.038				ND	
65 4-Methyl-2-pentanone (MIBK	43		13.188				ND	
68 Toluene	92		13.460				ND	
70 trans-1,3-Dichloropropene	75		13.834				ND	
71 1,1,2-Trichloroethane	83		14.106				ND	
72 Tetrachloroethene	166	14.218	14.223	-0.005	96	13151	0.1550	
73 2-Hexanone	43		14.357				ND	
74 Chlorodibromomethane	129		14.650				ND	
75 Ethylene Dibromide	107		14.853				ND	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	84	1634878	10.0	
77 Chlorobenzene	112		15.435				ND	
79 Ethylbenzene	91		15.499				ND	
80 m-Xylene & p-Xylene	106		15.643				ND	
S 81 Xylenes, Total	106		16.000				0	
82 o-Xylene	106		16.150				ND	
83 Styrene	104		16.176				ND	
84 Bromoform	173		16.470				ND	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	91	1238021	NC	
87 1,1,2,2-Tetrachloroethane	83		16.972				ND	
88 N-Propylbenzene	91		17.030				ND	
91 4-Ethyltoluene	105		17.153				ND	
92 2-Chlorotoluene	91		17.201				ND	
93 1,3,5-Trimethylbenzene	105		17.223				ND	
95 tert-Butylbenzene	119		17.601				ND	
96 1,2,4-Trimethylbenzene	105		17.676				ND	
97 sec-Butylbenzene	105		17.863				ND	
98 4-Isopropyltoluene	119		18.018				ND	
99 1,3-Dichlorobenzene	146		18.103				ND	
100 1,4-Dichlorobenzene	146		18.215				ND	
101 Benzyl chloride	91		18.381				ND	
103 n-Butylbenzene	91		18.535				ND	
104 1,2-Dichlorobenzene	146		18.717				ND	
107 1,2,4-Trichlorobenzene	180		21.140				ND	
108 Hexachlorobutadiene	225		21.300				ND	
109 Naphthalene	128		21.652				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

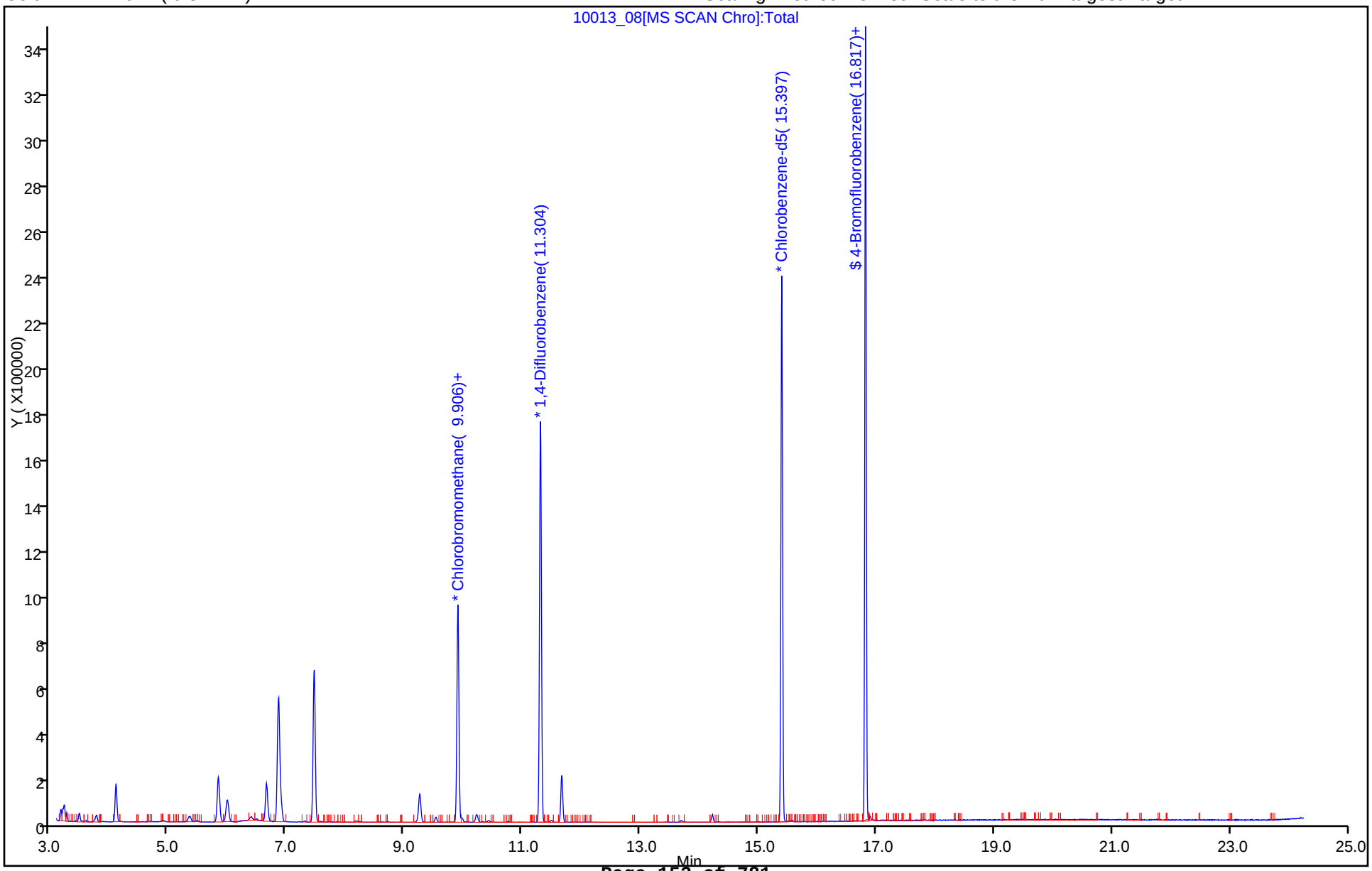
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3	Worklist Smp#:	8
Client ID:	SDS-3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



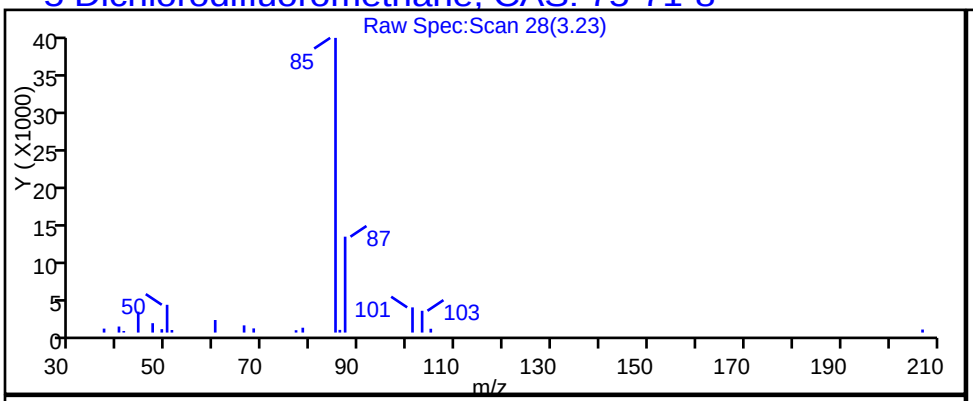
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

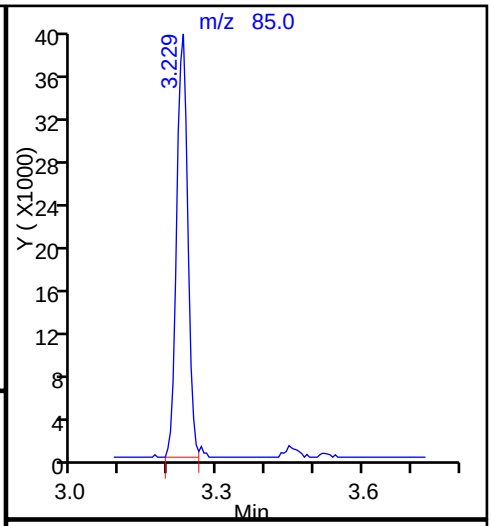
TestAmerica Burlington

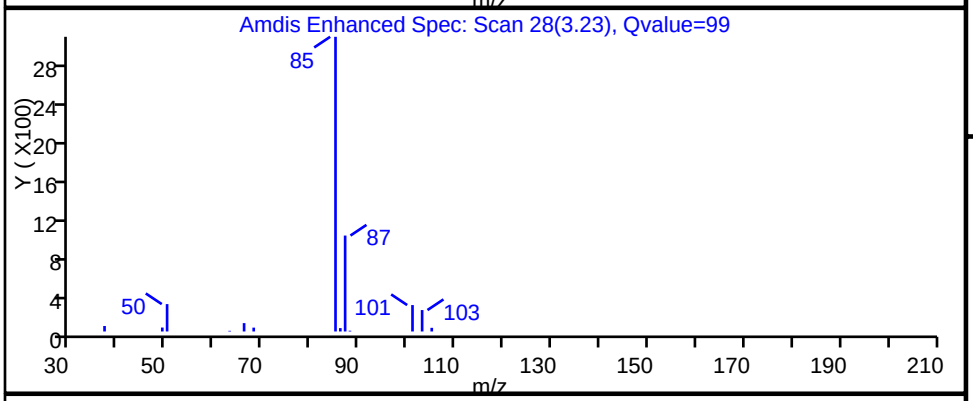
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

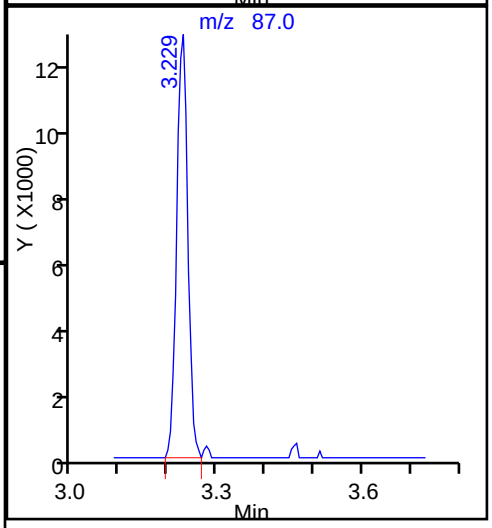
Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

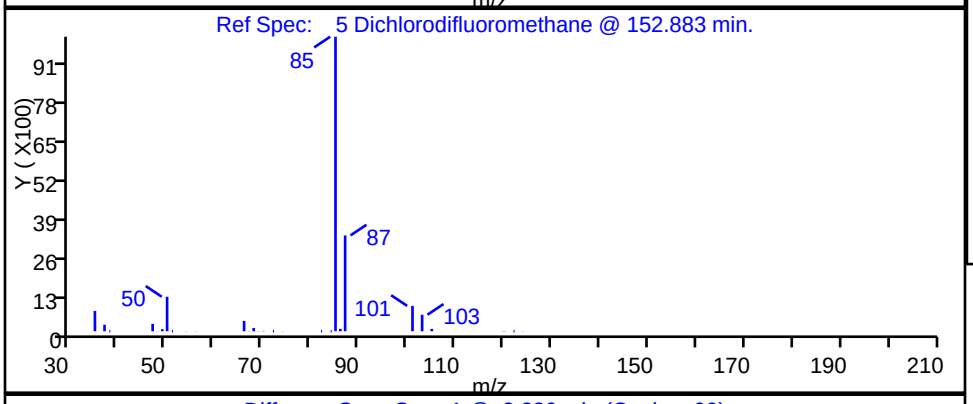
5 Dichlorodifluoromethane, CAS: 75-71-8

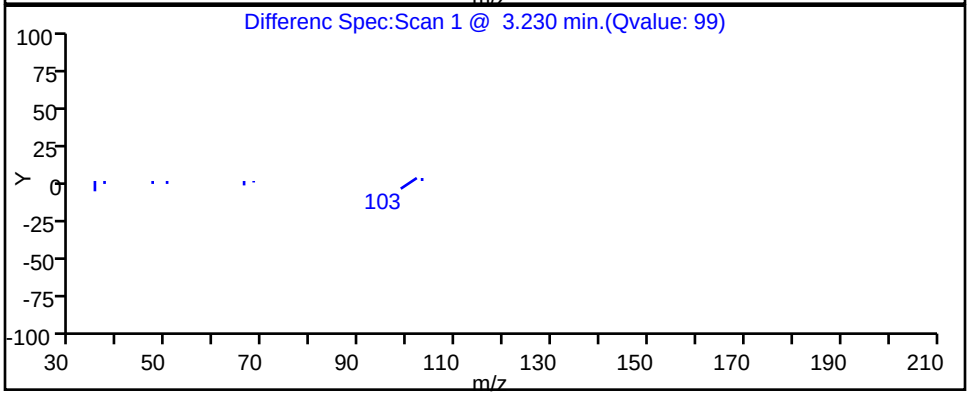












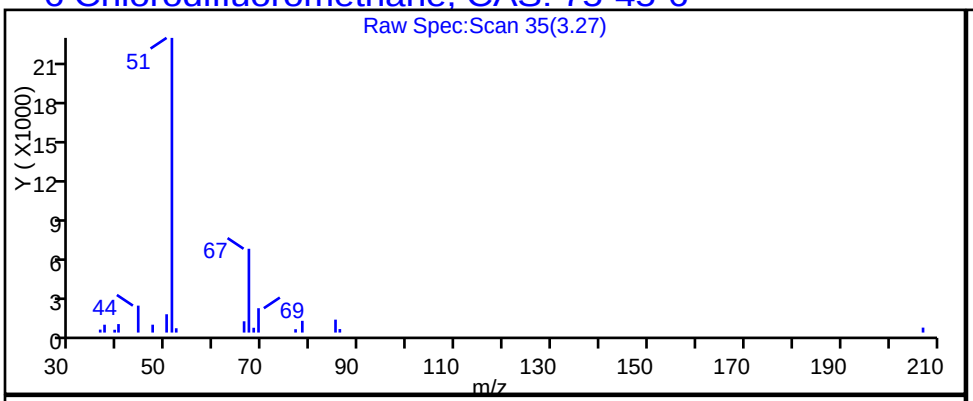
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

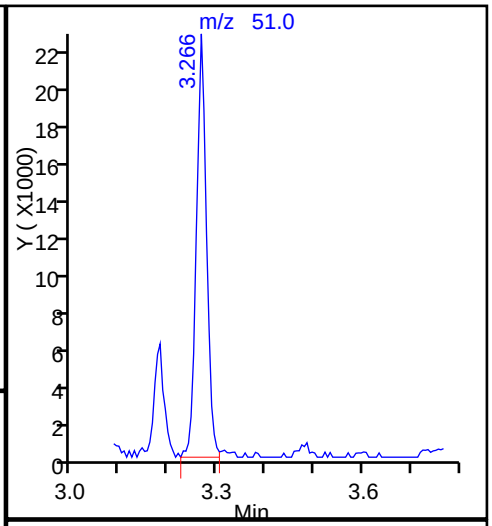
TestAmerica Burlington

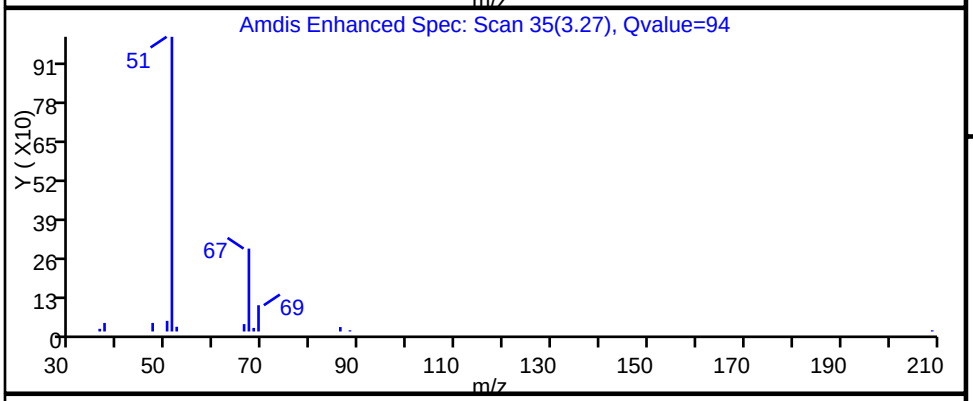
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

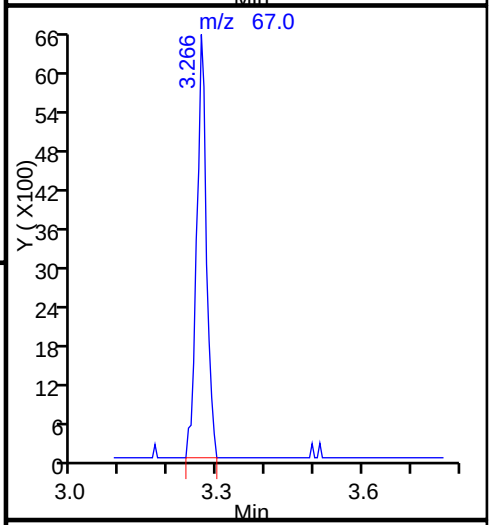
Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

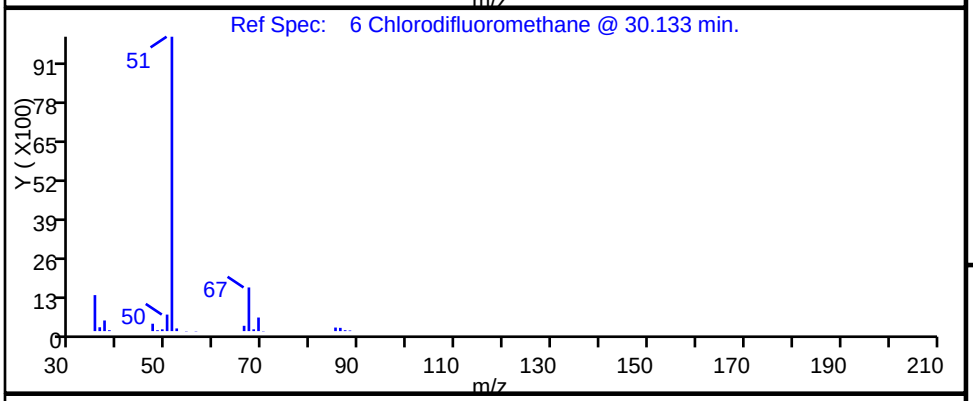
6 Chlorodifluoromethane, CAS: 75-45-6

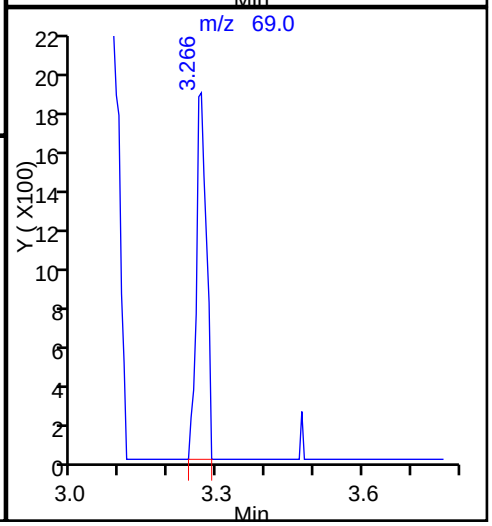


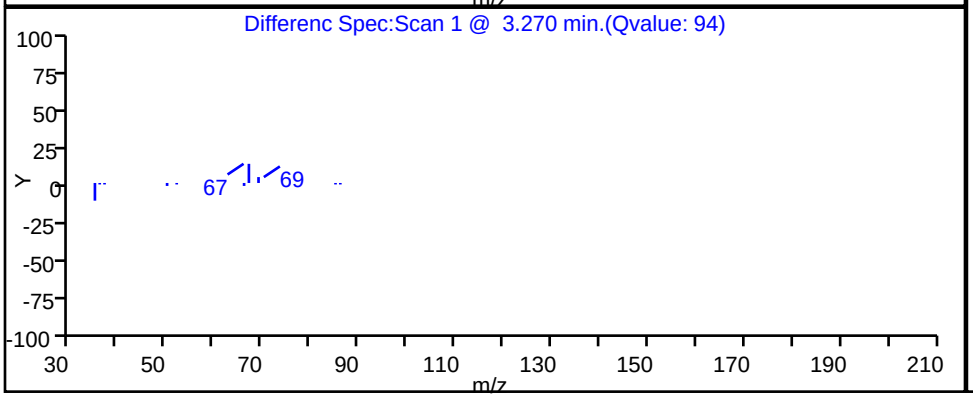












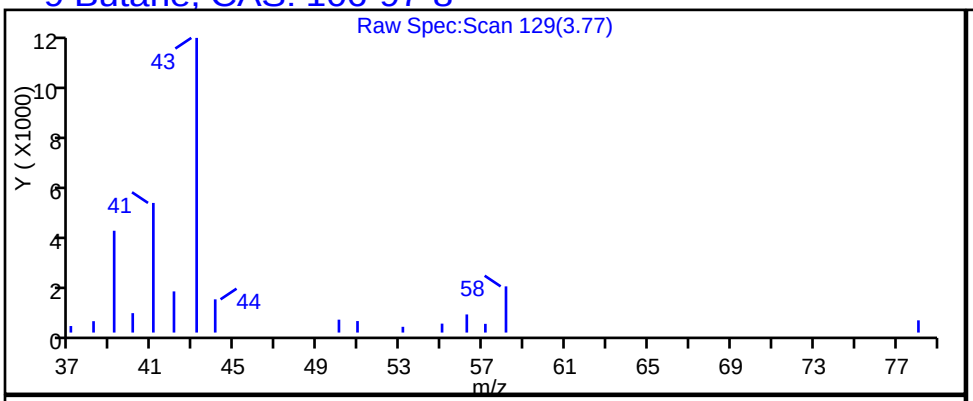
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

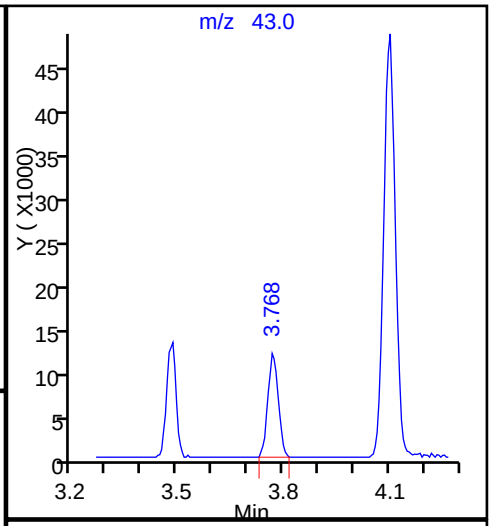
TestAmerica Burlington

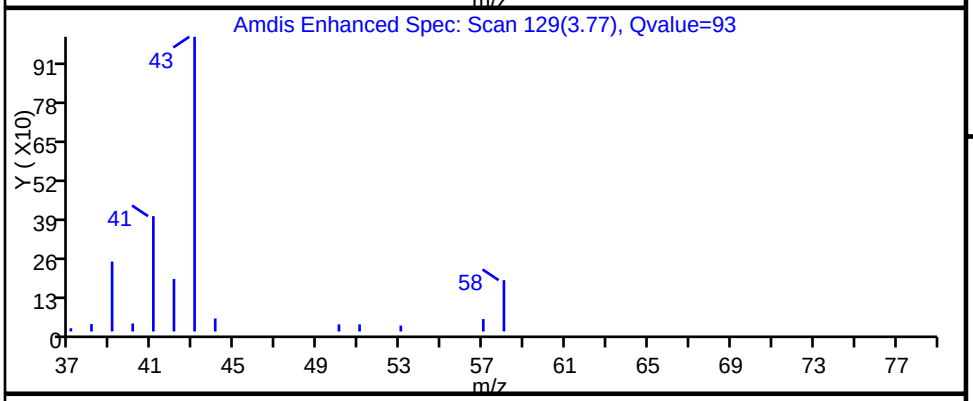
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

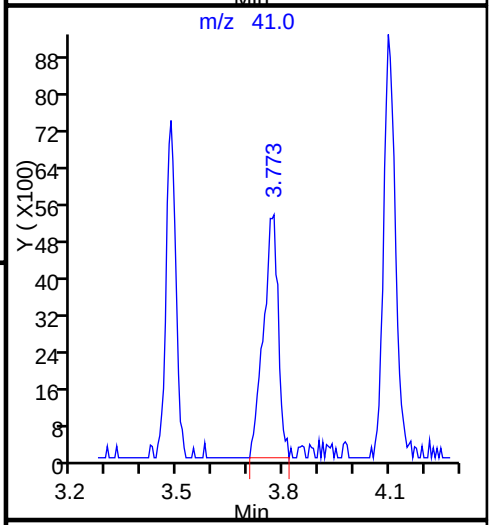
Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3
Client ID:	SDS-3		
Operator ID:	pad	ALS Bottle#:	7 Worklist Smp#: 8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

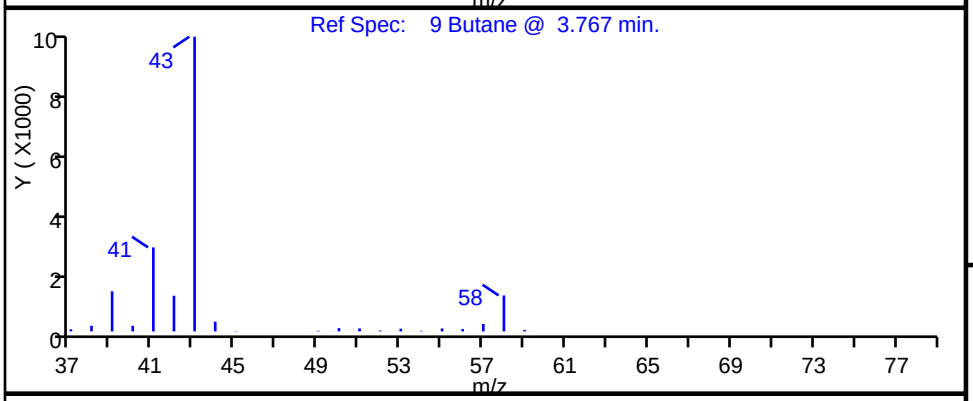
9 Butane, CAS: 106-97-8

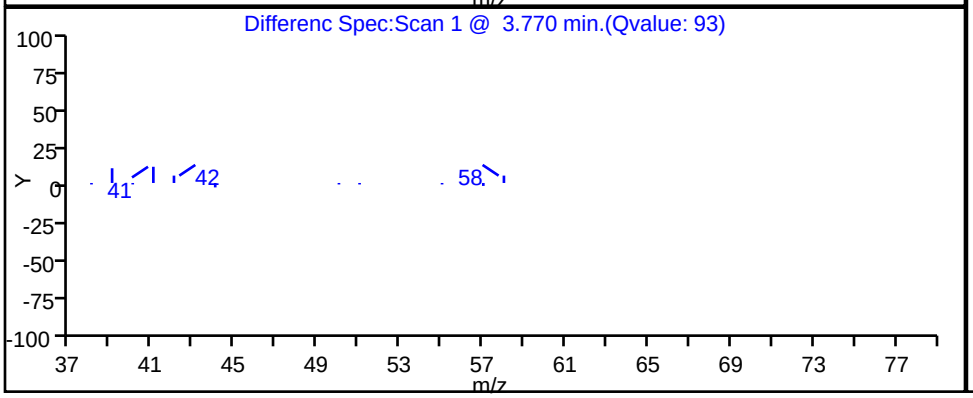


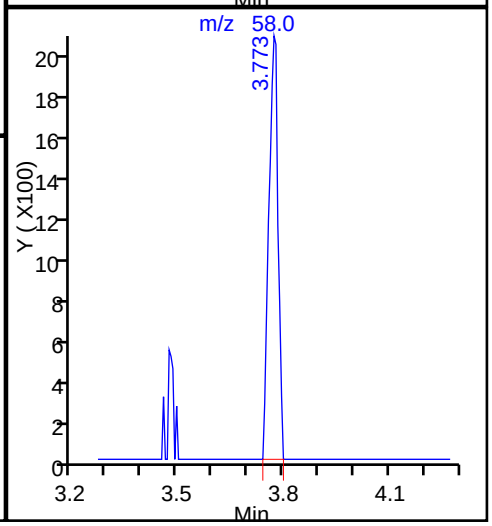












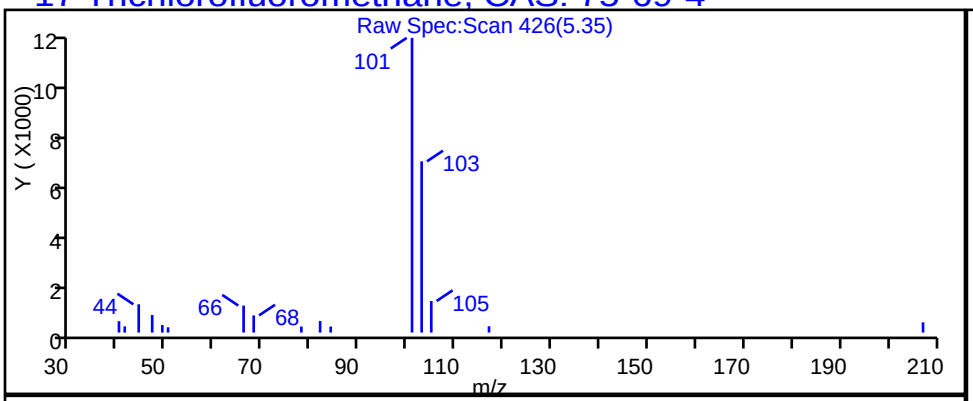
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

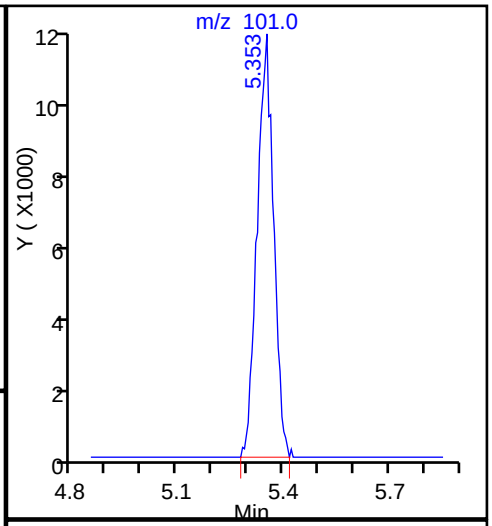
TestAmerica Burlington

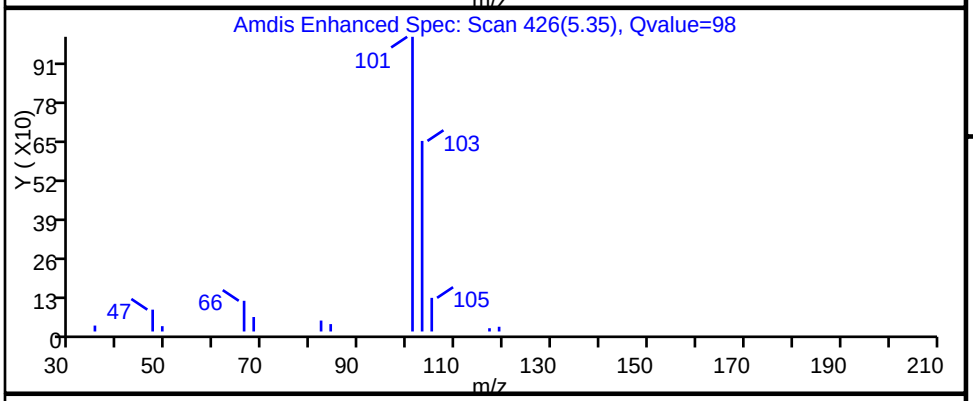
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

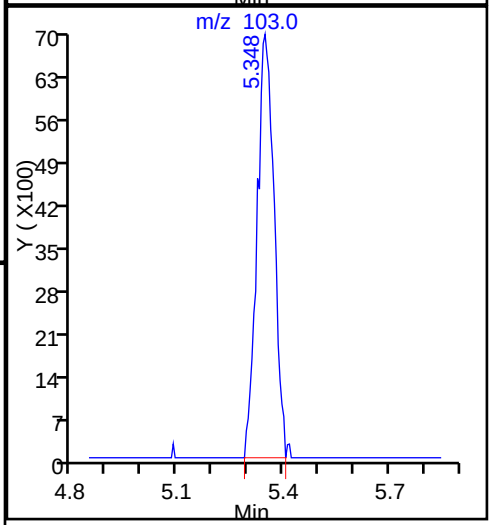
Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

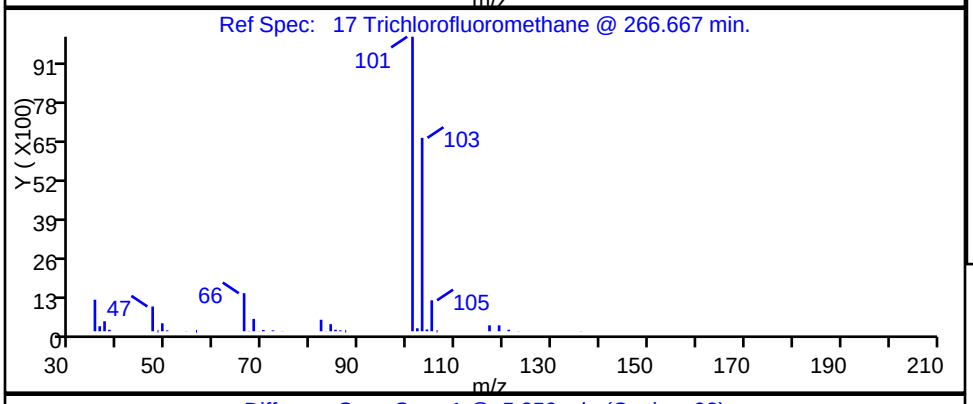
17 Trichlorofluoromethane, CAS: 75-69-4

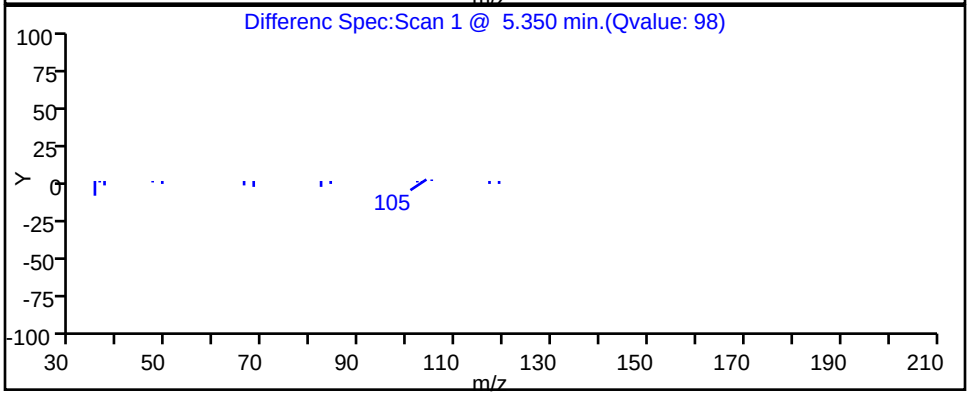












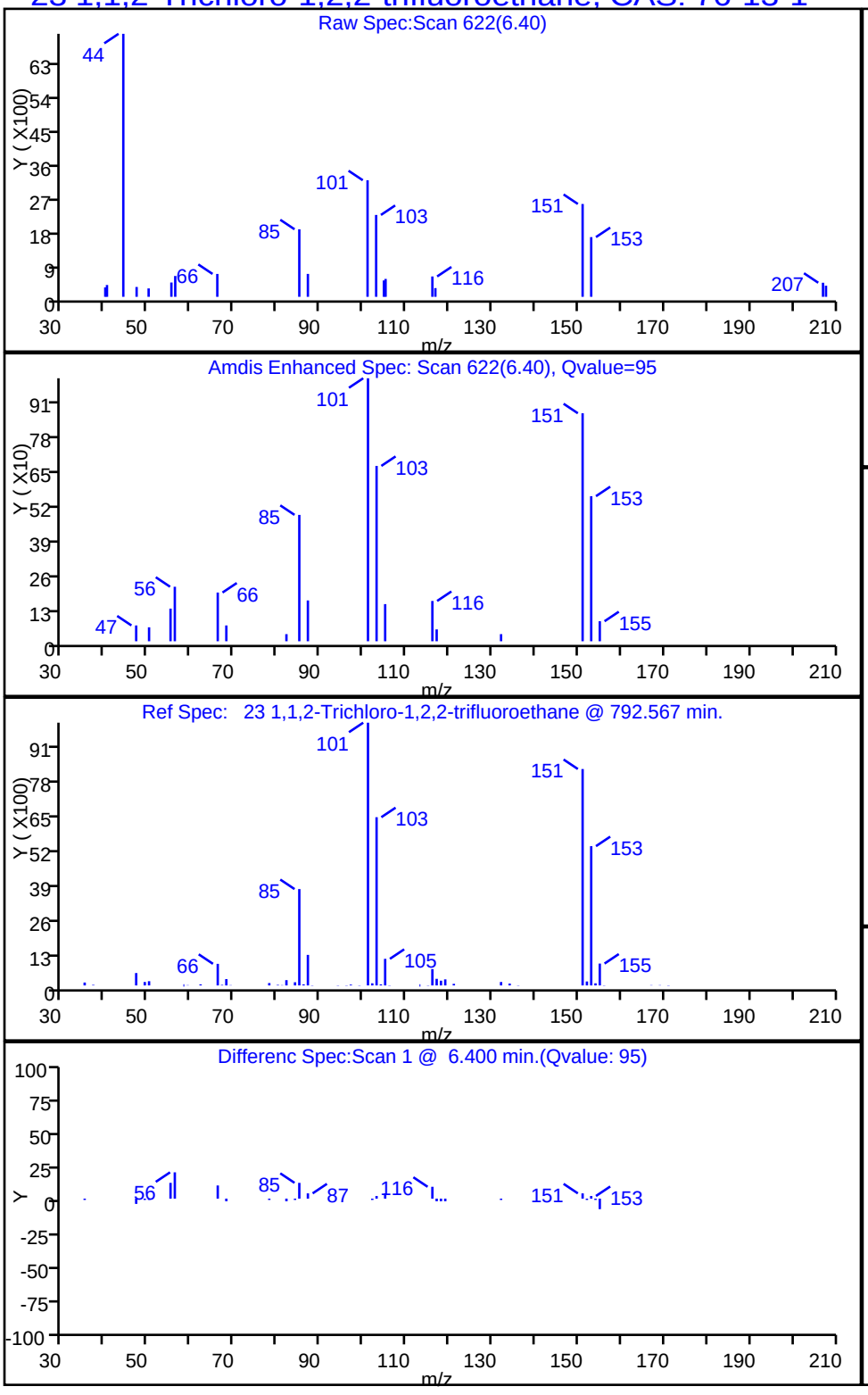
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

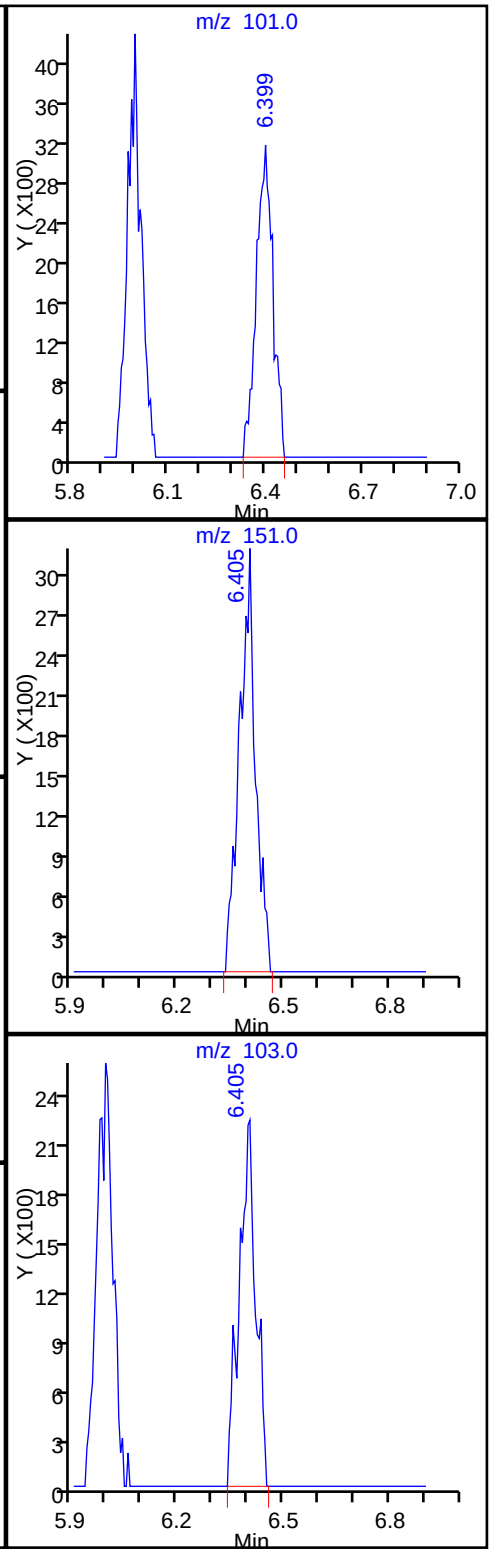
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1





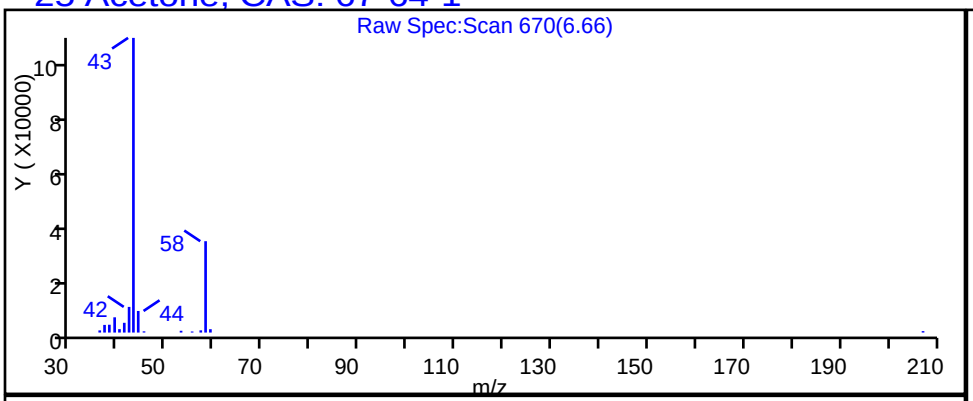
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

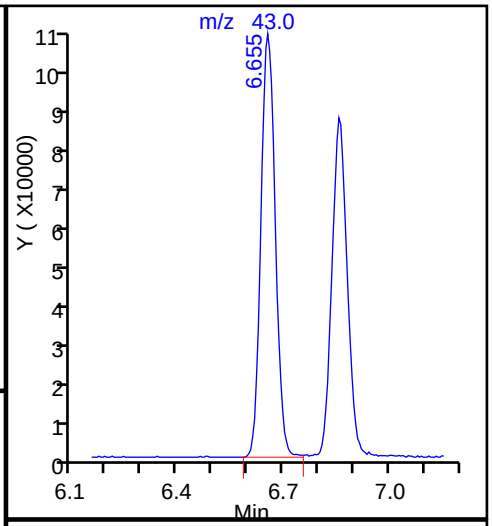
TestAmerica Burlington

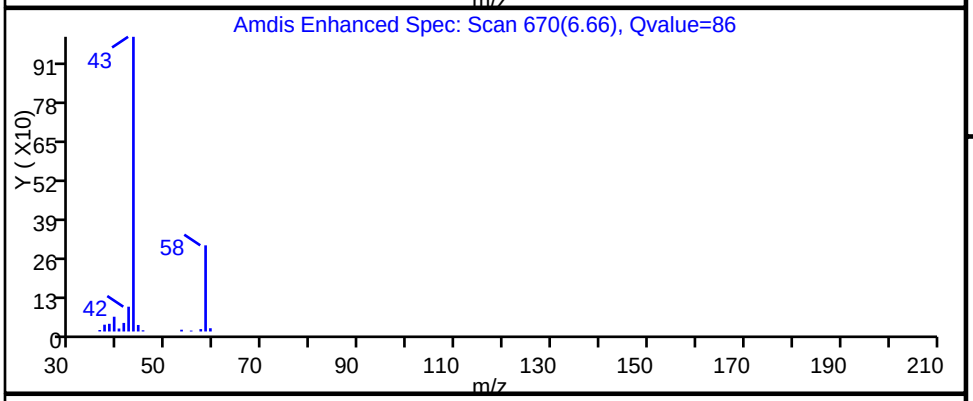
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

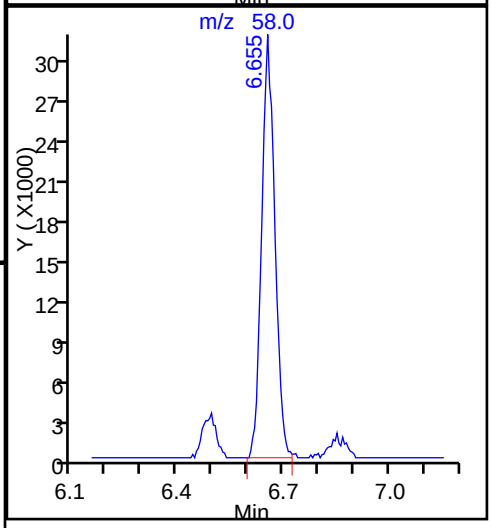
Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

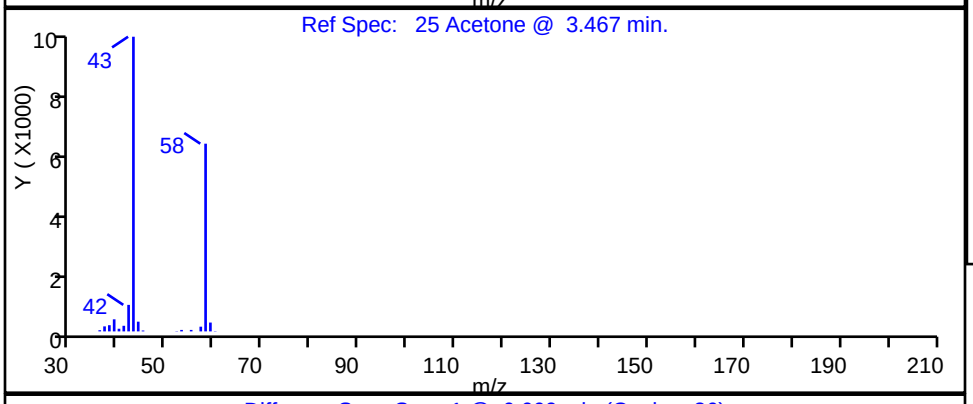
25 Acetone, CAS: 67-64-1

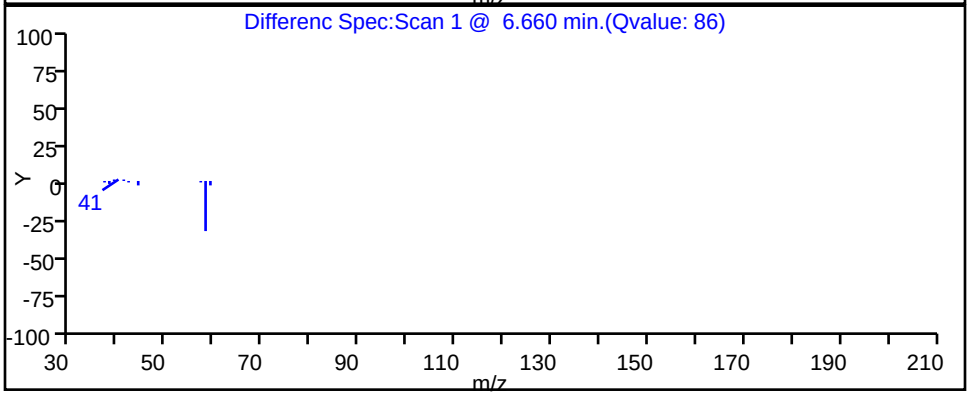












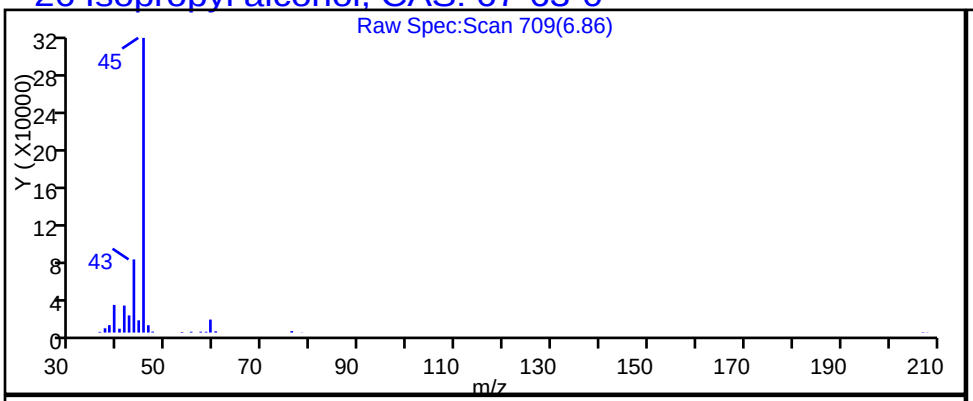
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

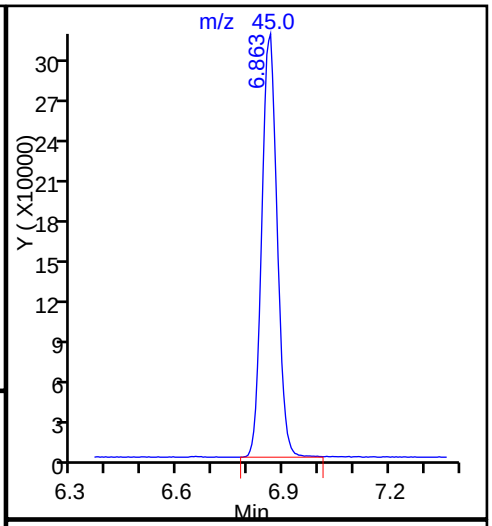
TestAmerica Burlington

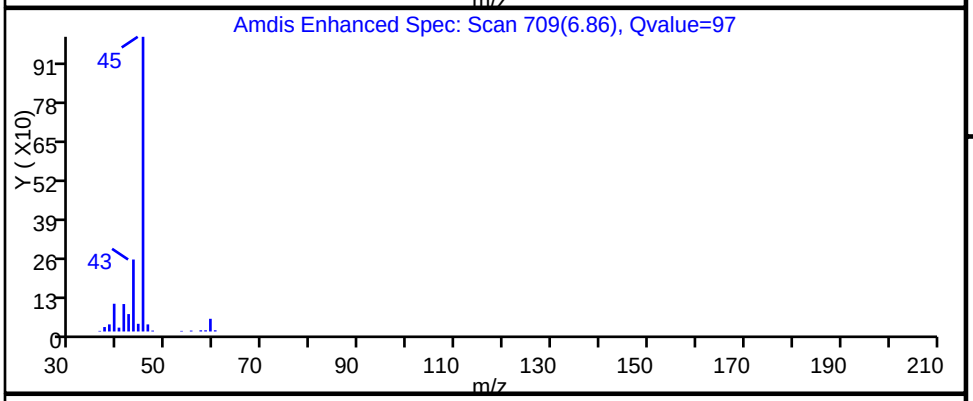
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

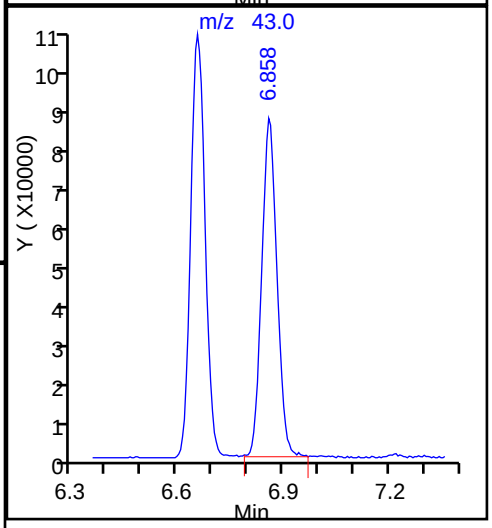
Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

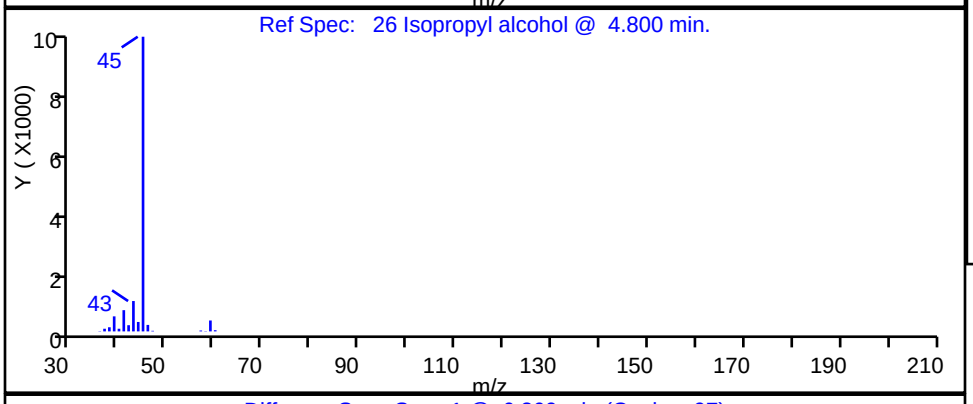
26 Isopropyl alcohol, CAS: 67-63-0

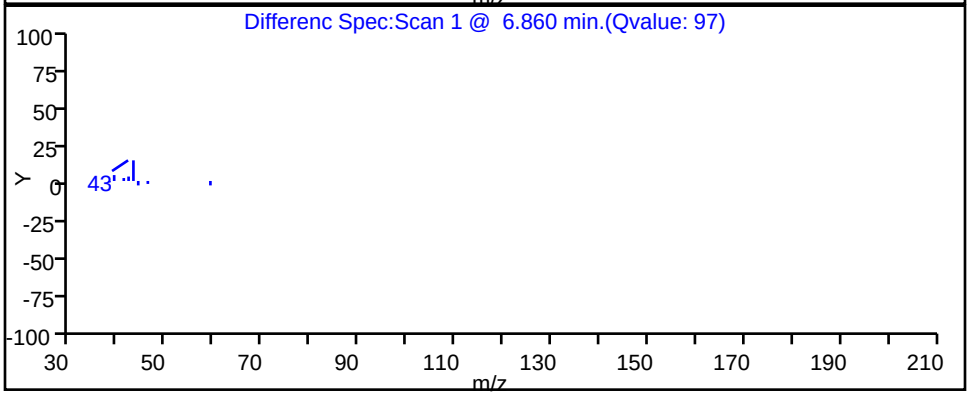












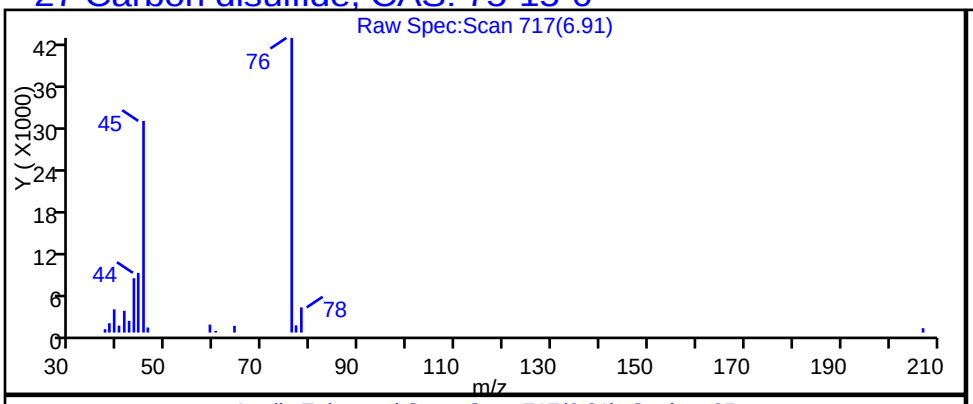
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

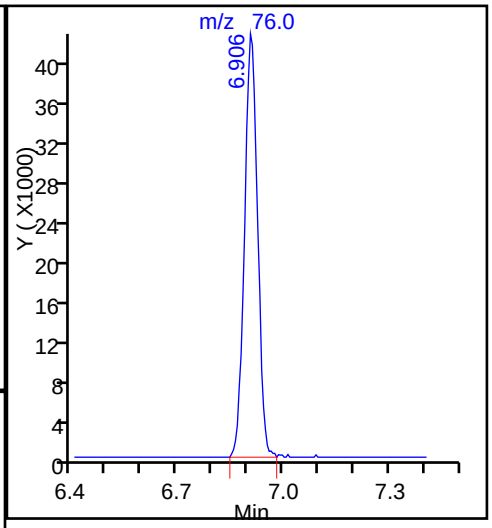
TestAmerica Burlington

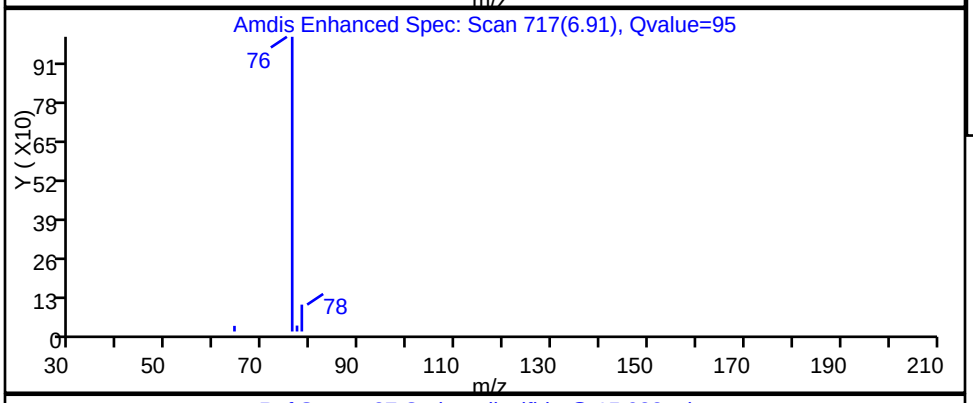
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

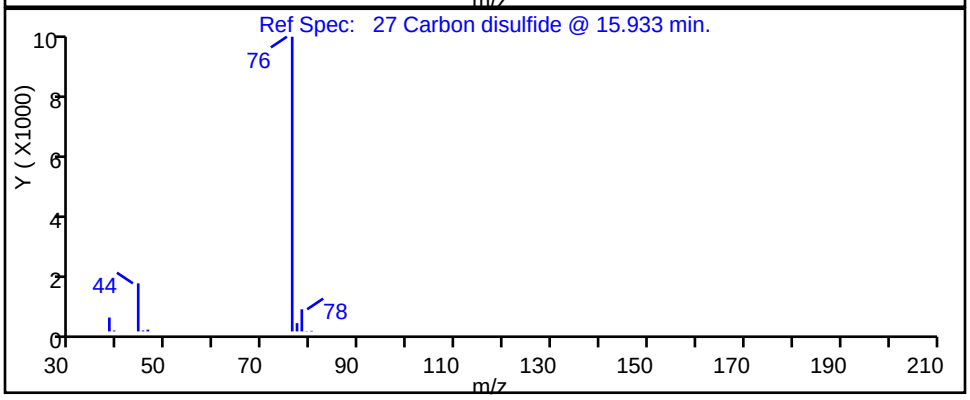
Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Carbon disulfide, CAS: 75-15-0









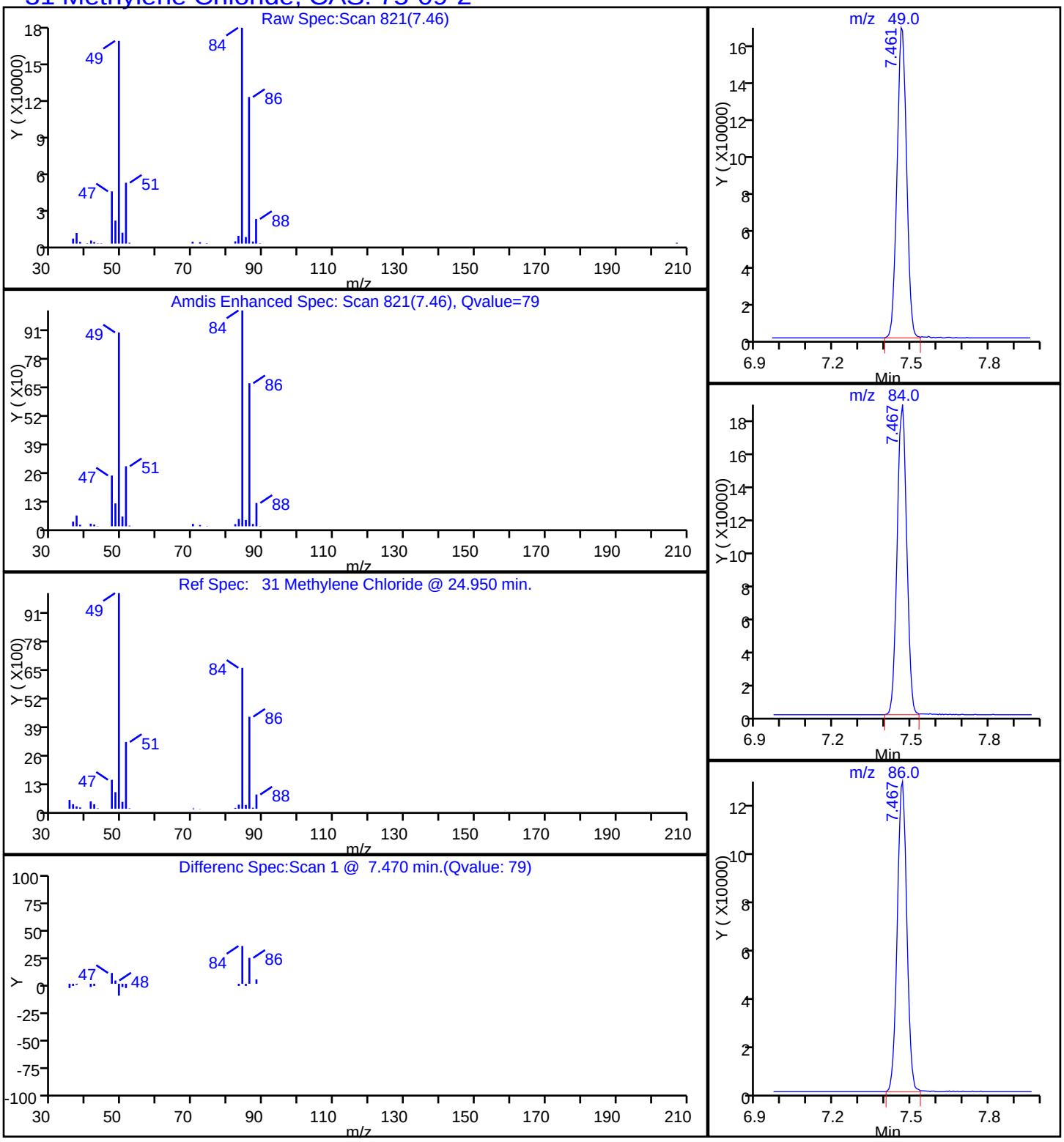
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



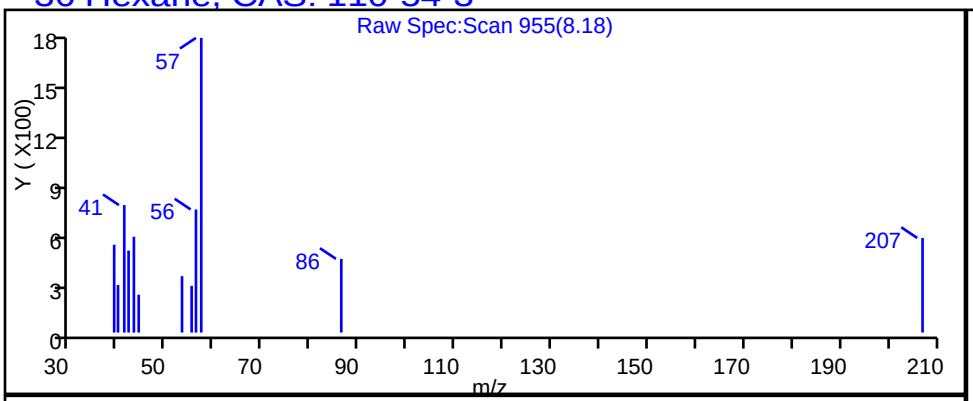
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

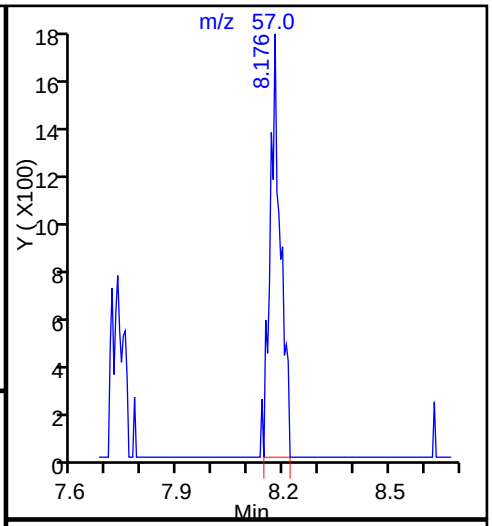
TestAmerica Burlington

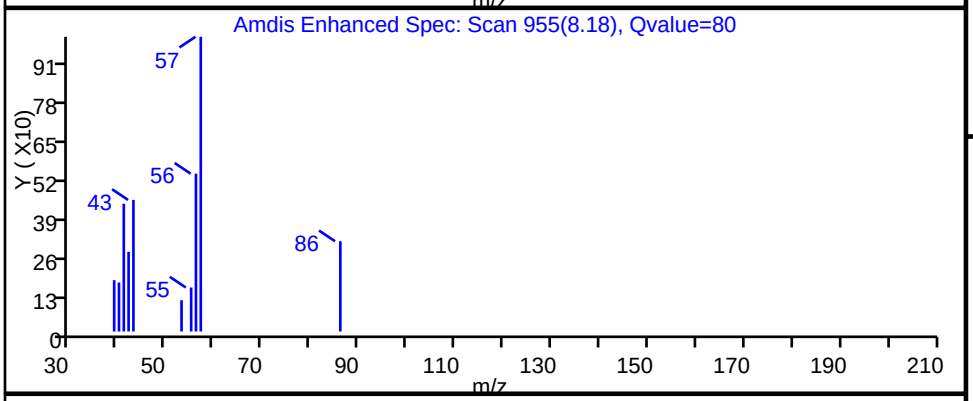
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

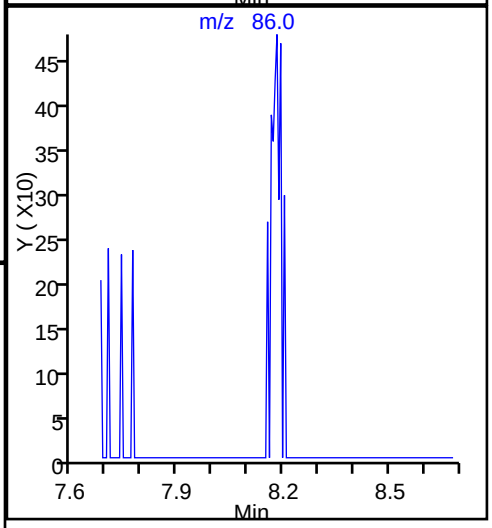
Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

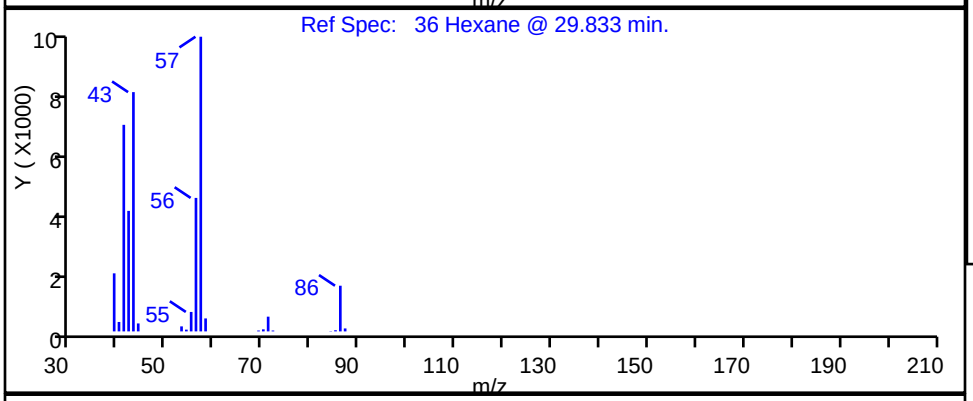
36 Hexane, CAS: 110-54-3

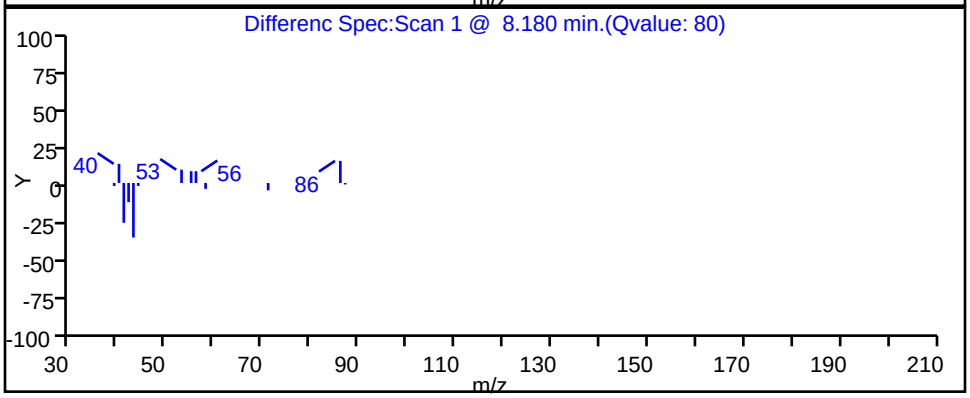












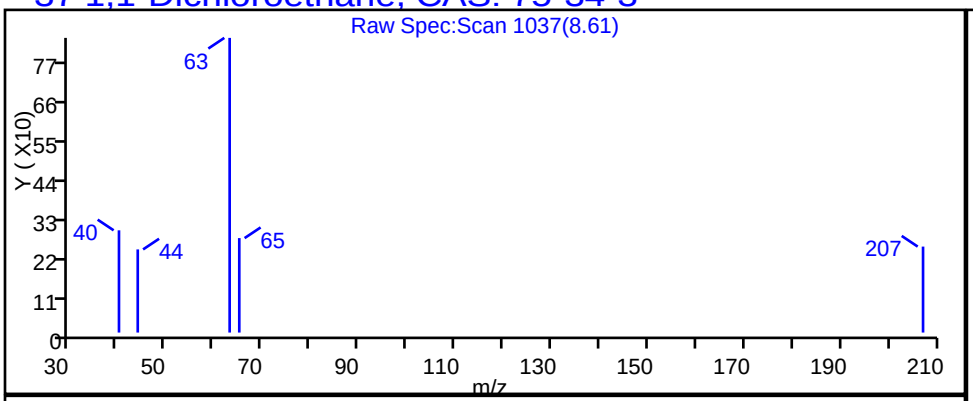
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

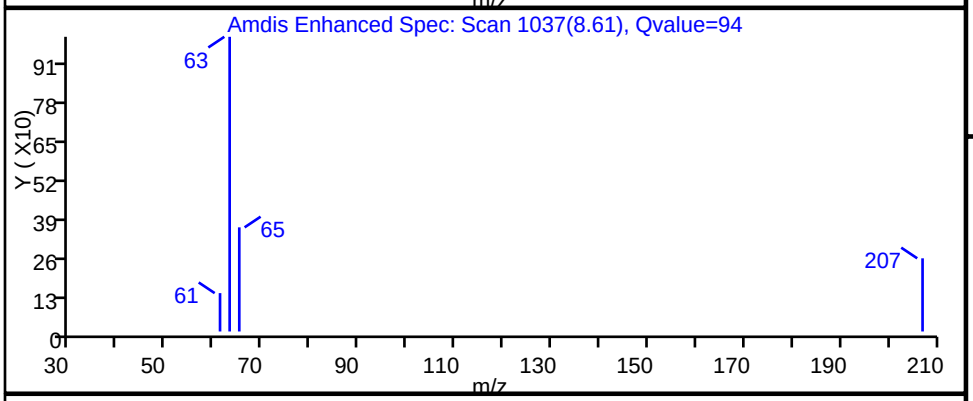
TestAmerica Burlington

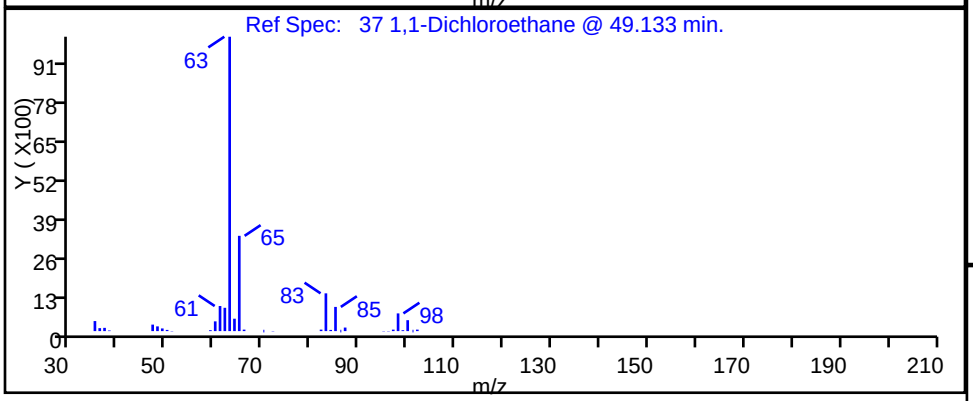
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

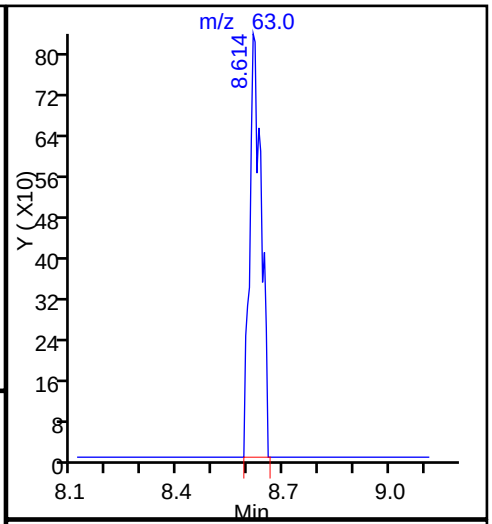
Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

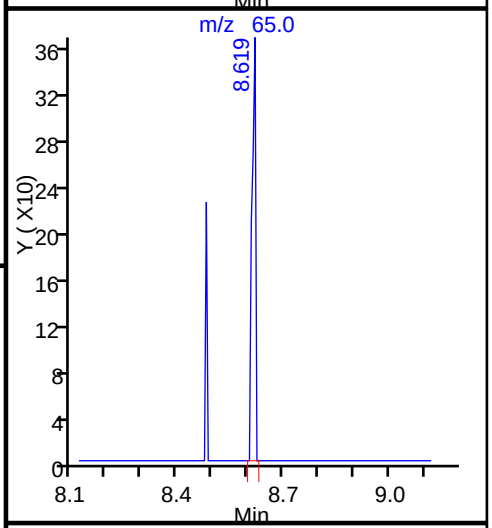
37 1,1-Dichloroethane, CAS: 75-34-3

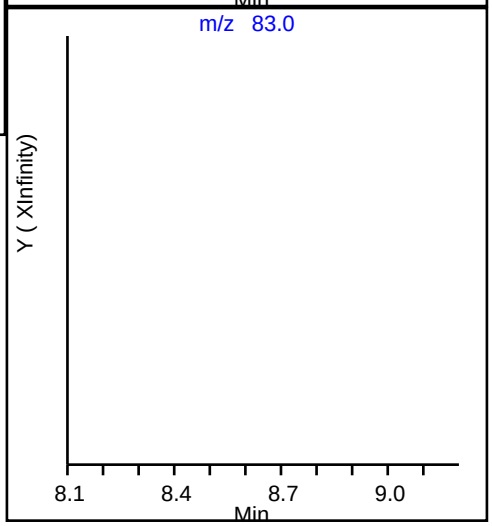












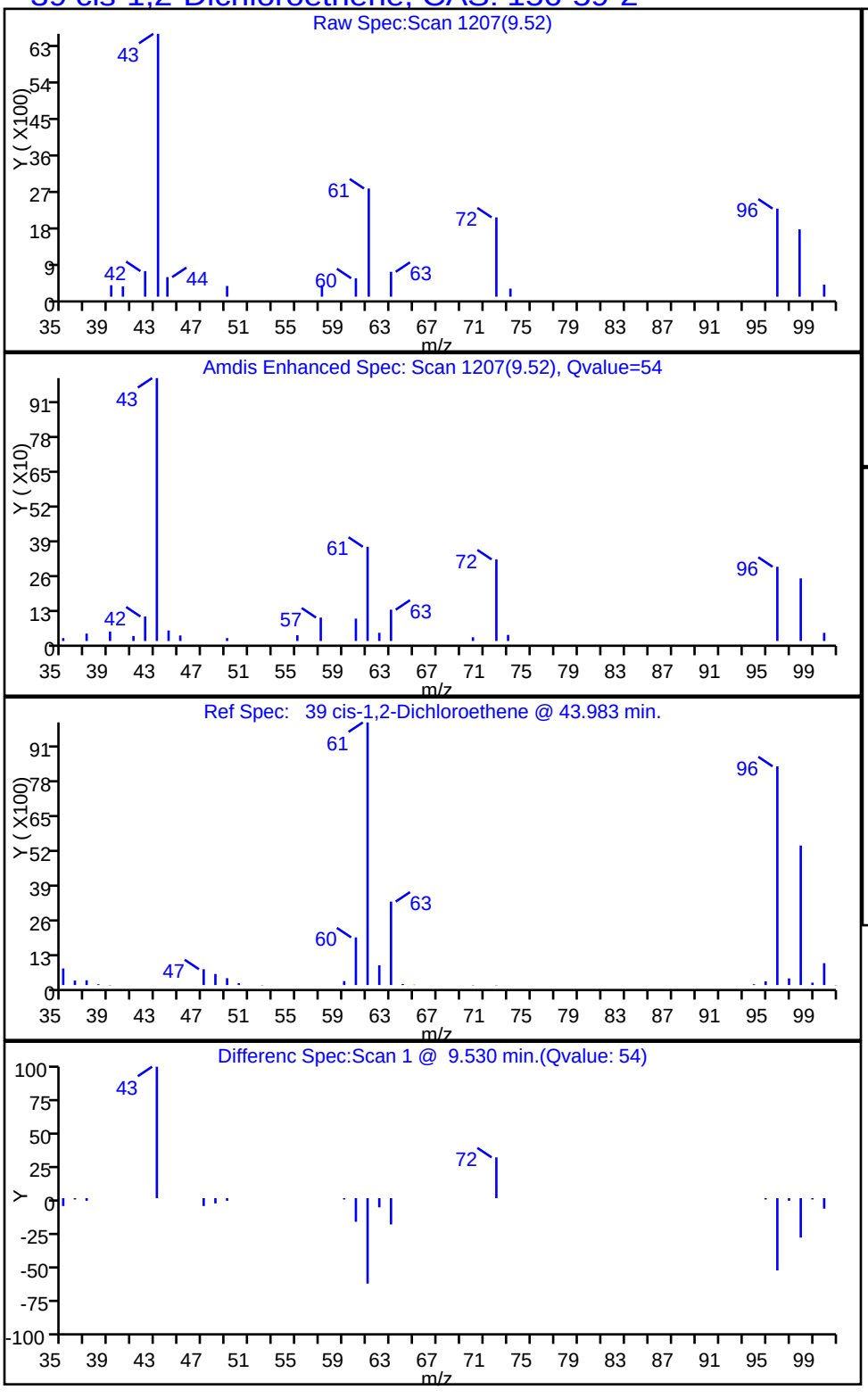
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

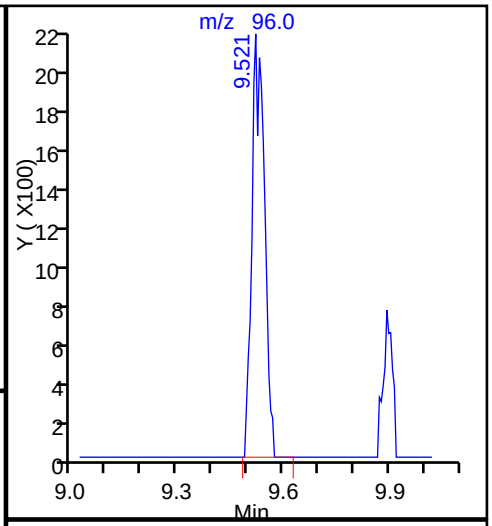
TestAmerica Burlington

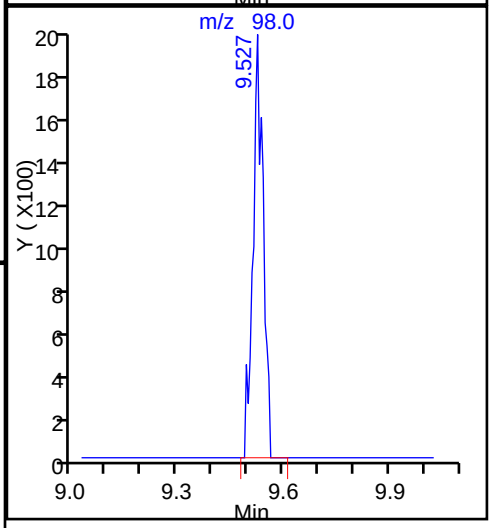
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2







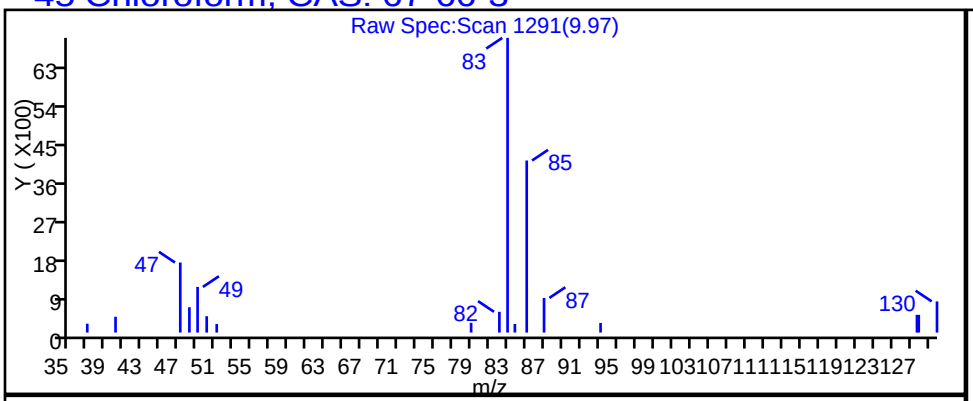
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

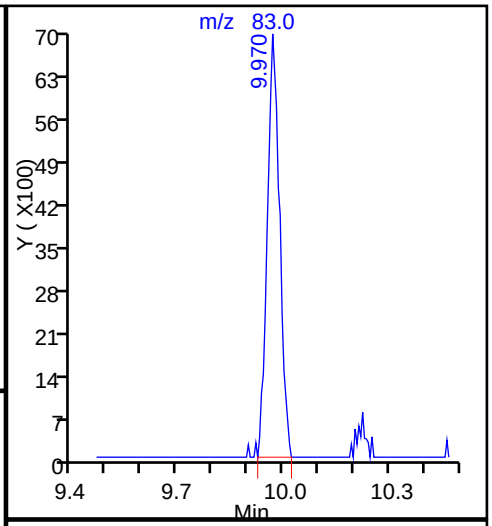
TestAmerica Burlington

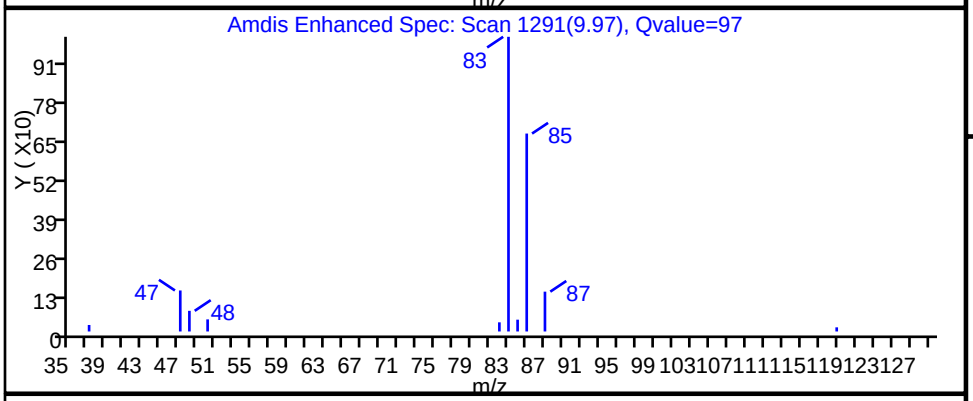
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

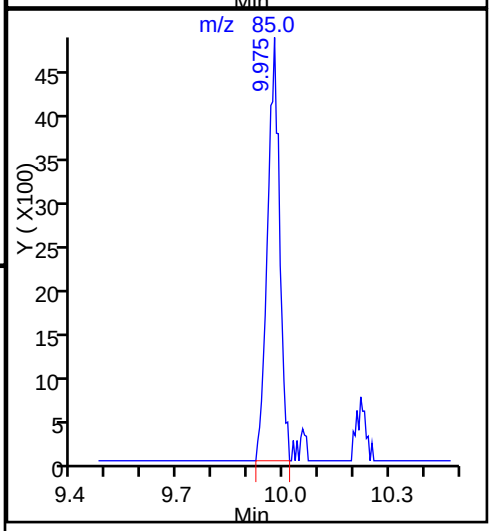
Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

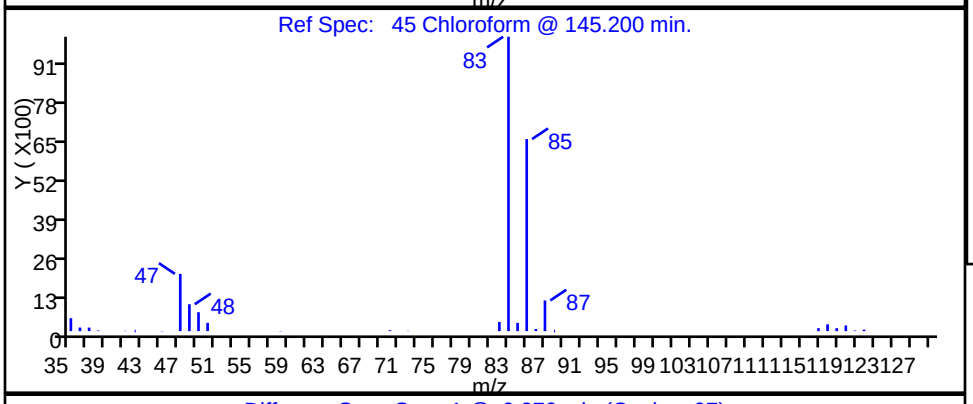
45 Chloroform, CAS: 67-66-3

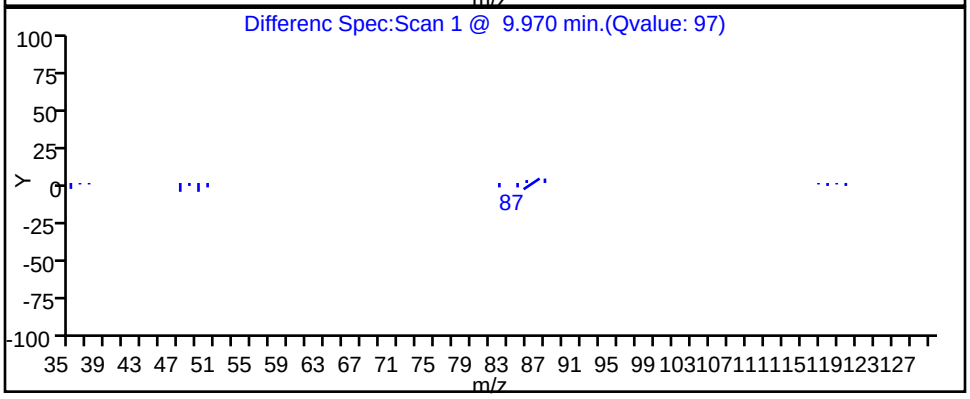












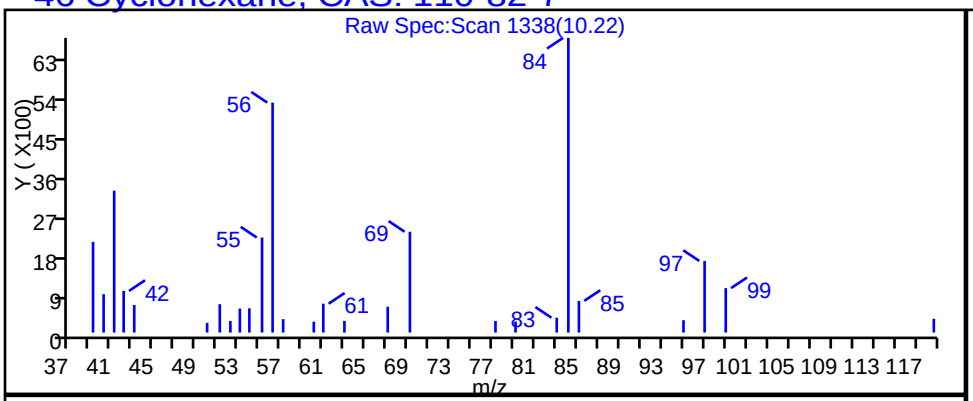
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

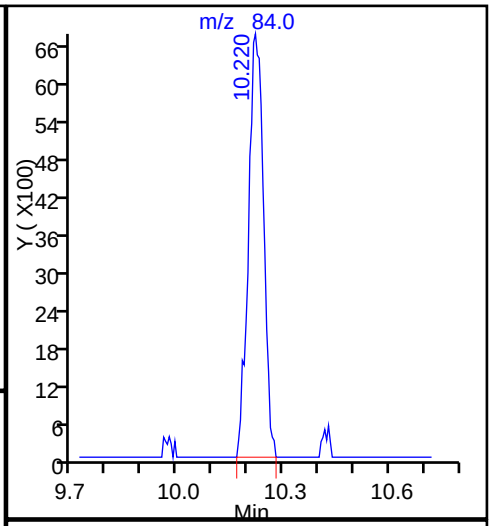
TestAmerica Burlington

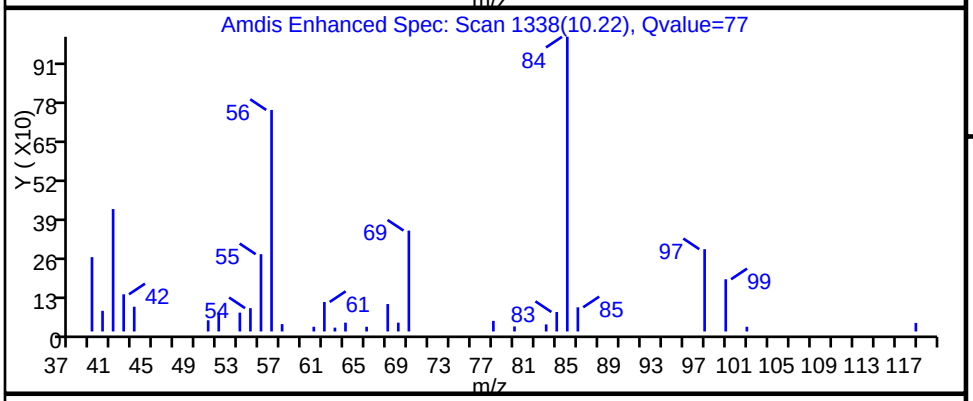
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

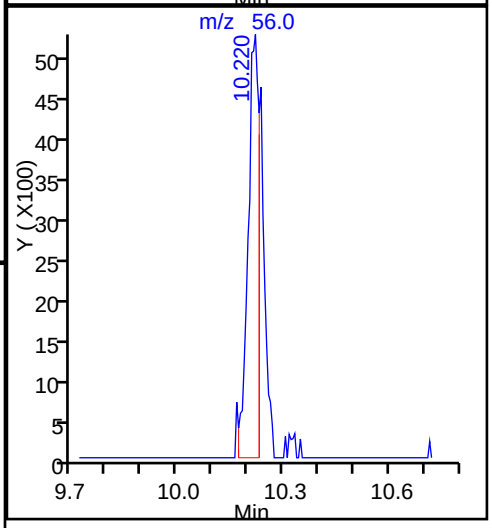
Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

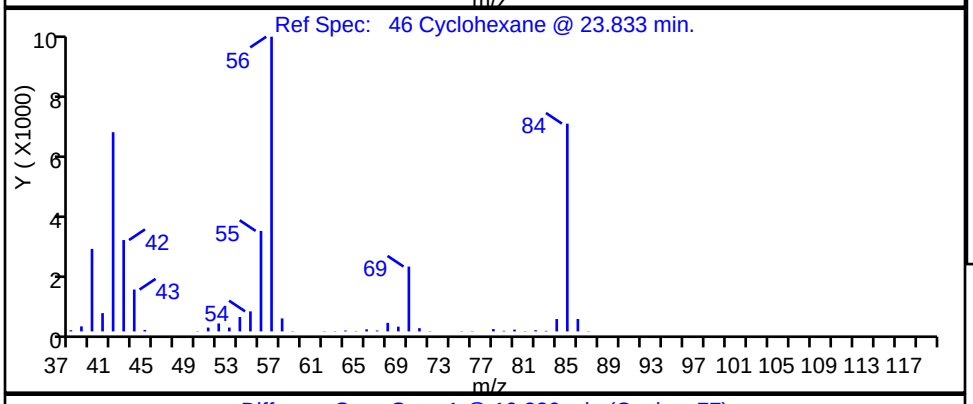
46 Cyclohexane, CAS: 110-82-7

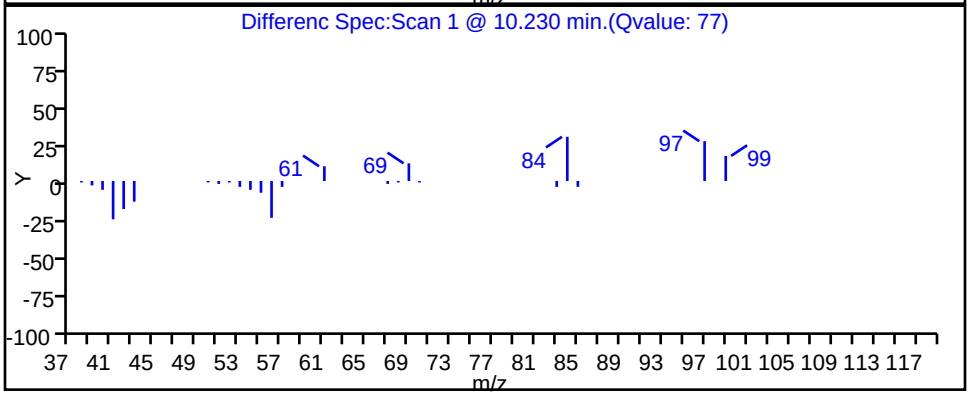












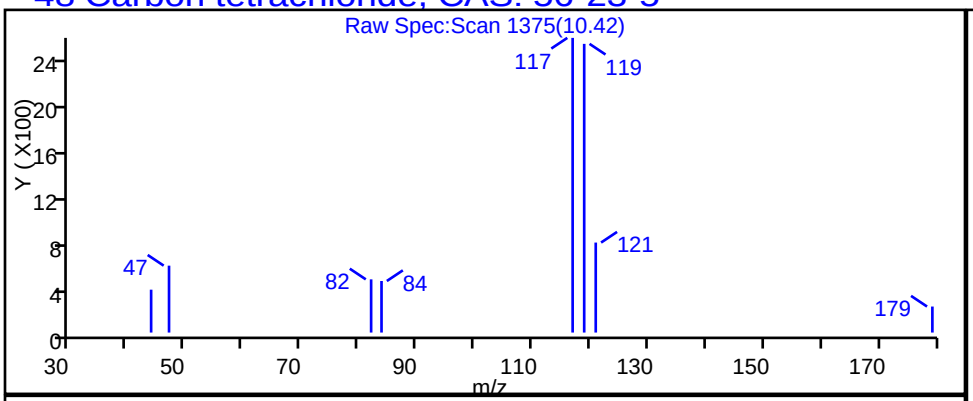
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

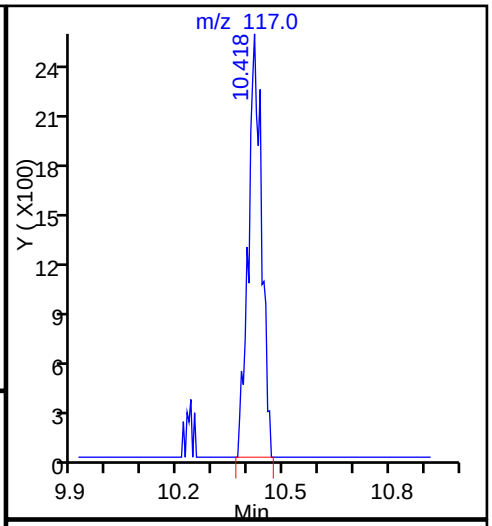
TestAmerica Burlington

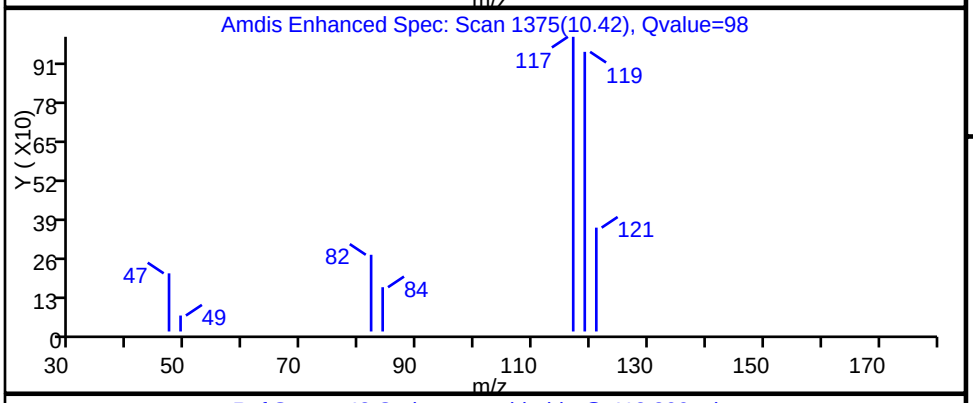
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

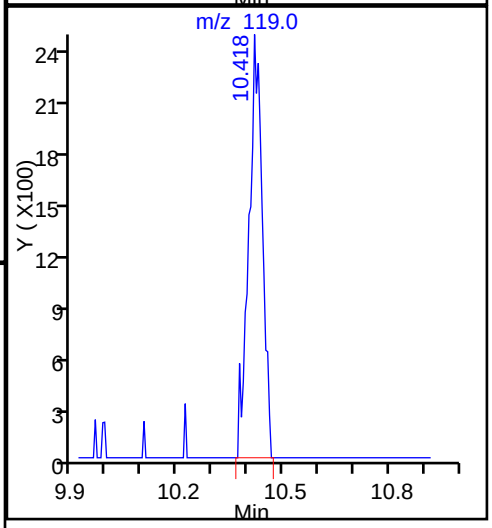
Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

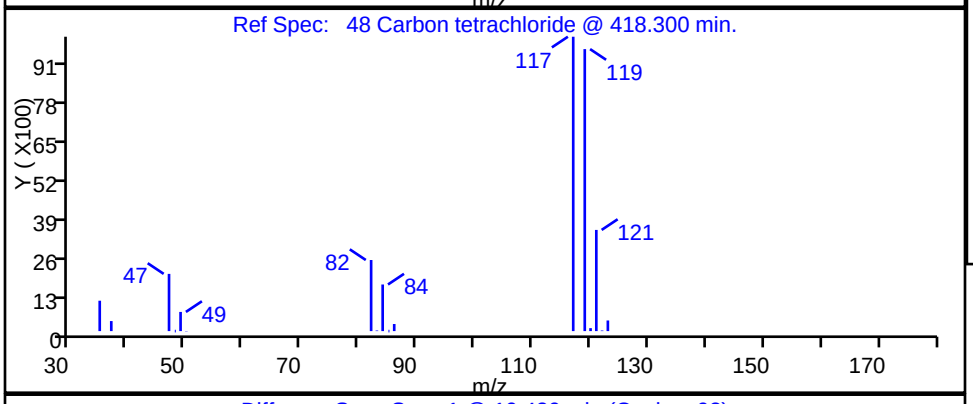
48 Carbon tetrachloride, CAS: 56-23-5

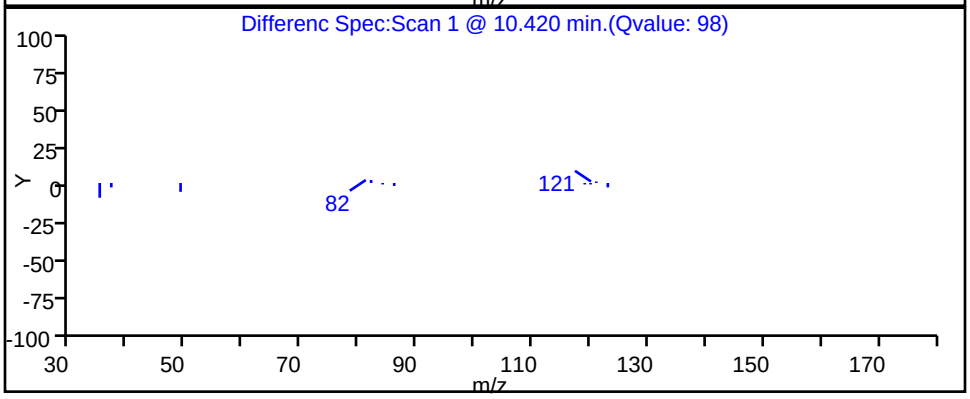












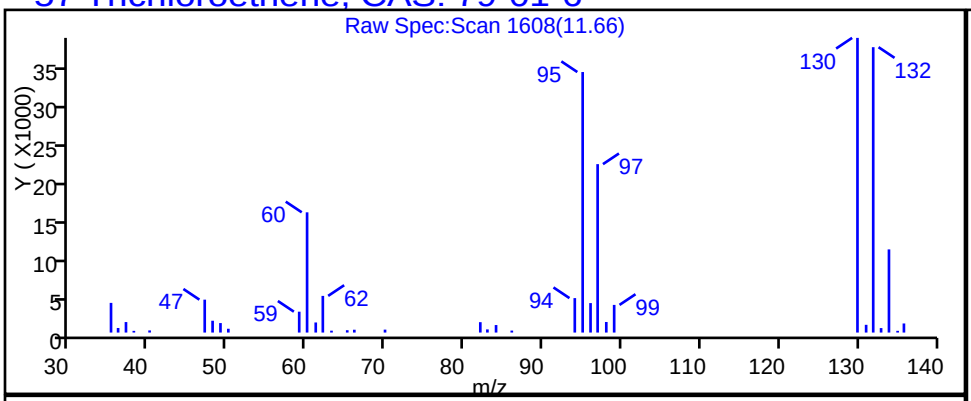
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

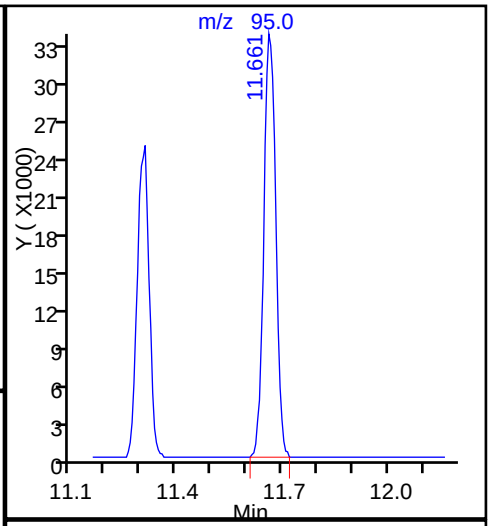
TestAmerica Burlington

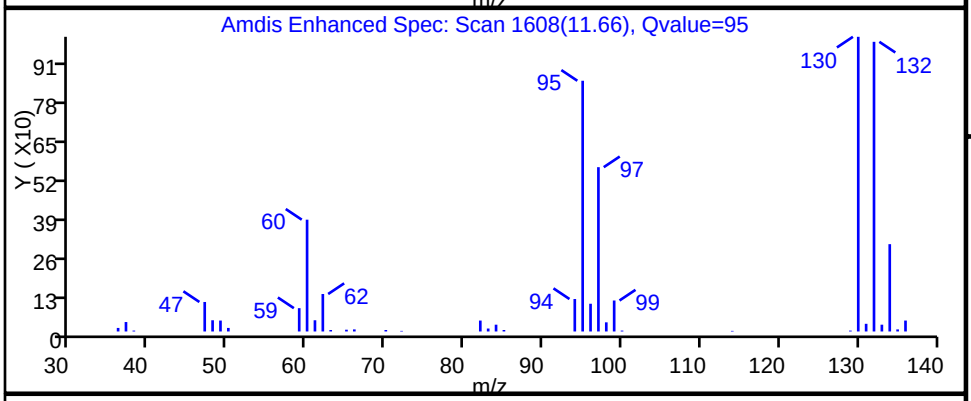
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

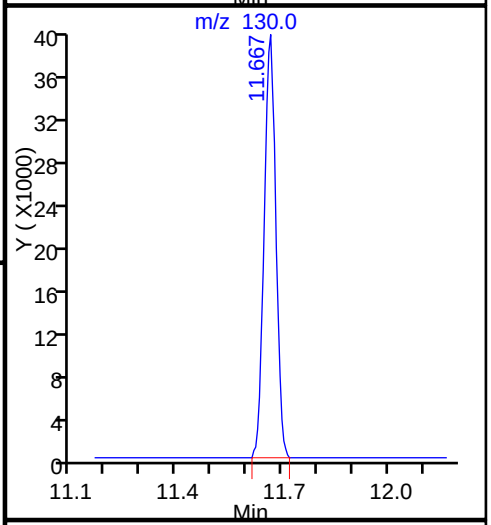
Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

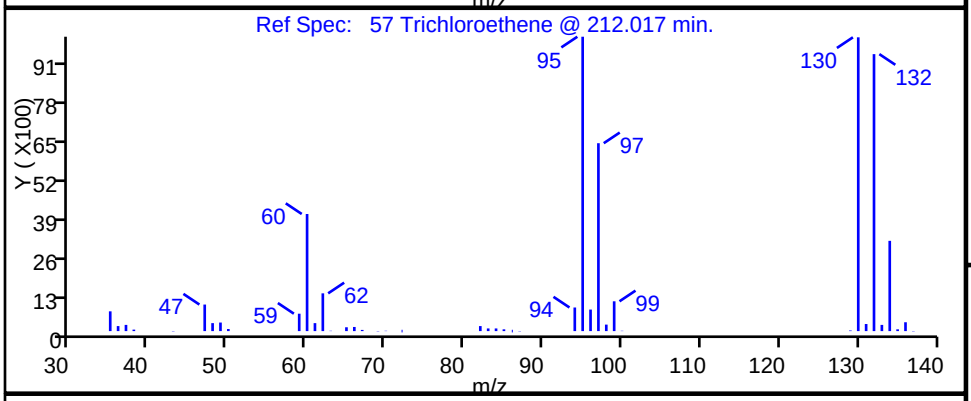
57 Trichloroethene, CAS: 79-01-6

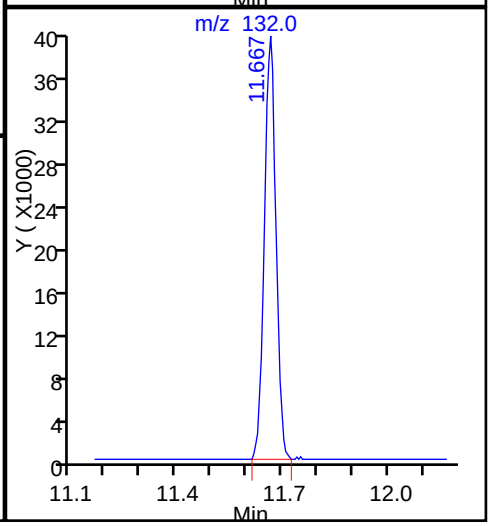


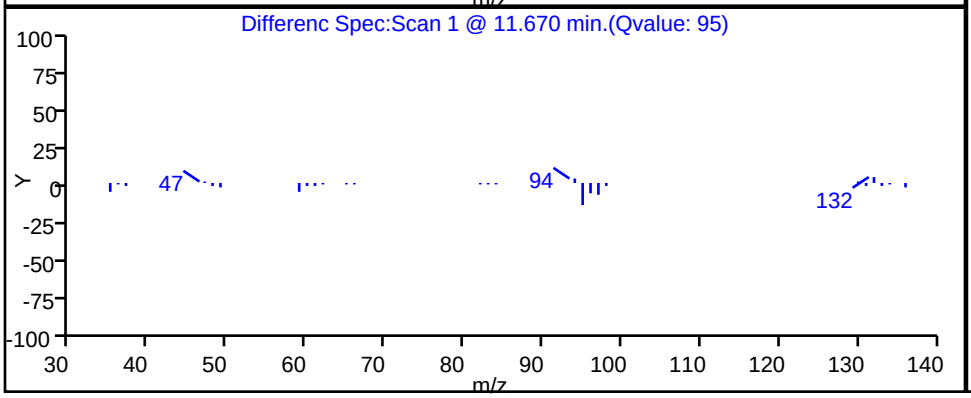












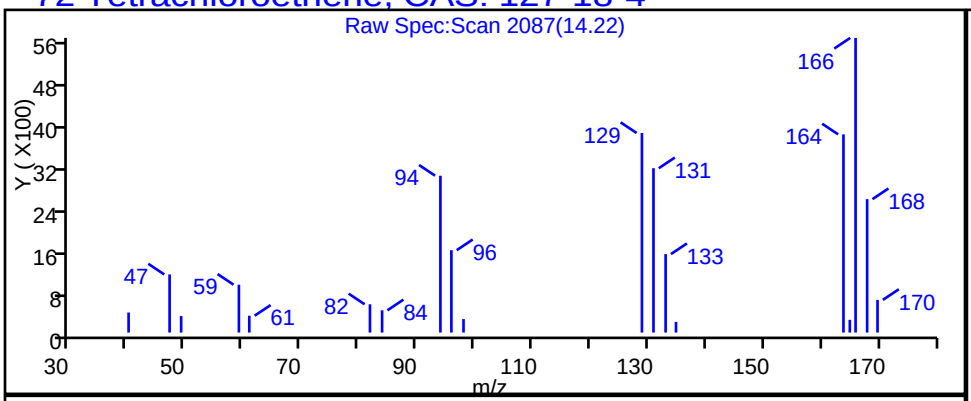
Report Date: 16-Oct-2014 11:43:54 Chrom Revision: 2.2 07-Oct-2014 12:16:06

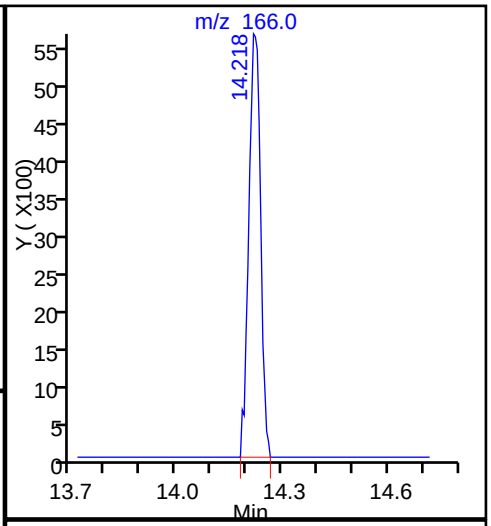
TestAmerica Burlington

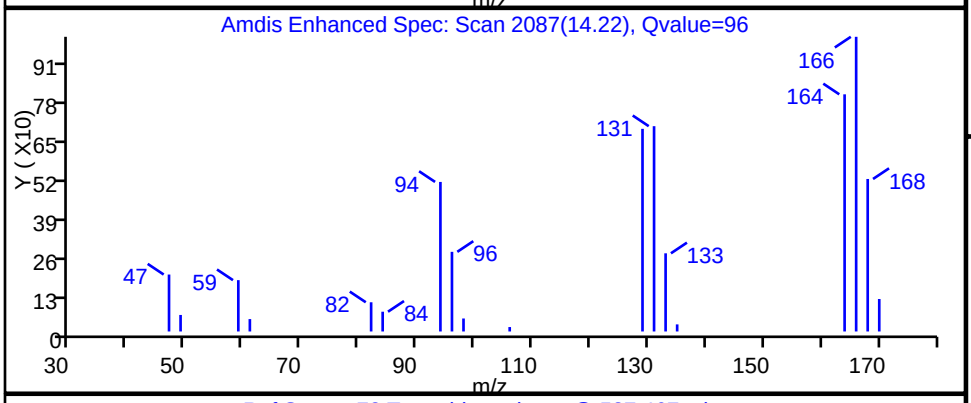
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D

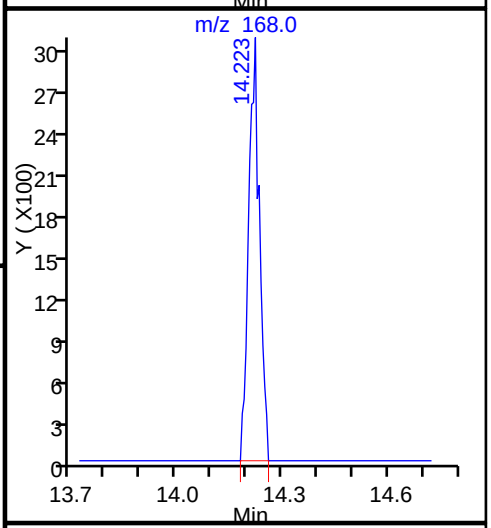
Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

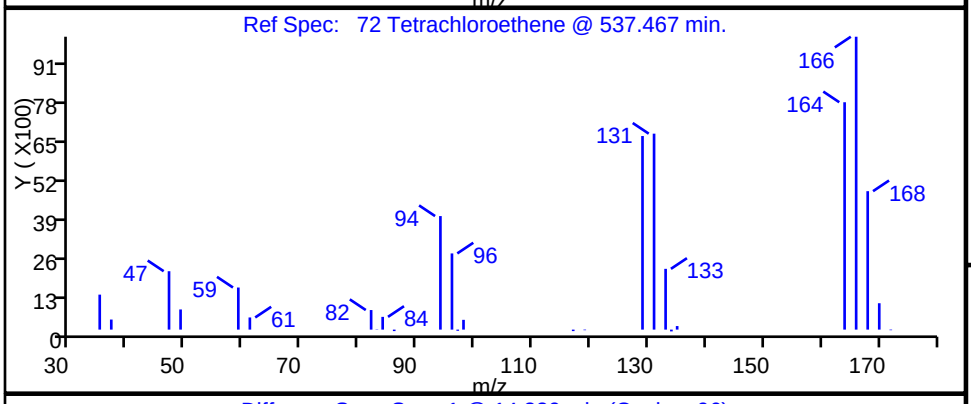
72 Tetrachloroethene, CAS: 127-18-4

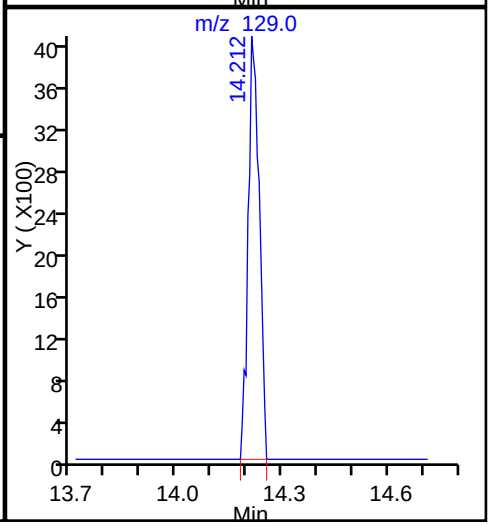


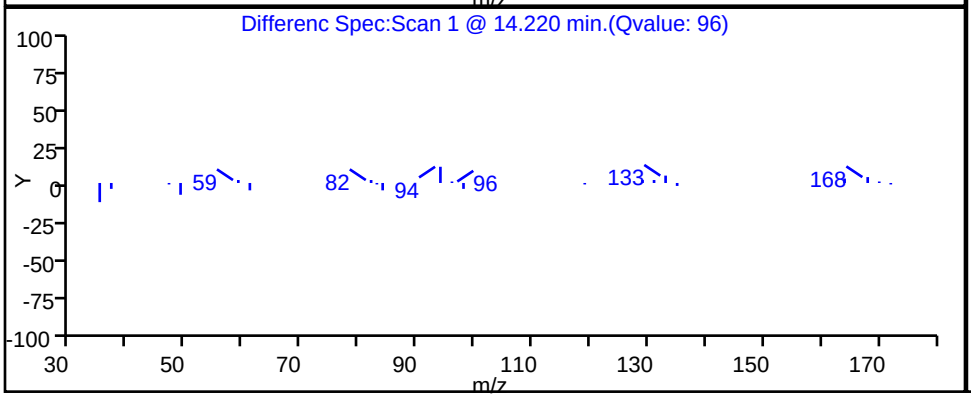












Manual Integration/User Assign Peak Report

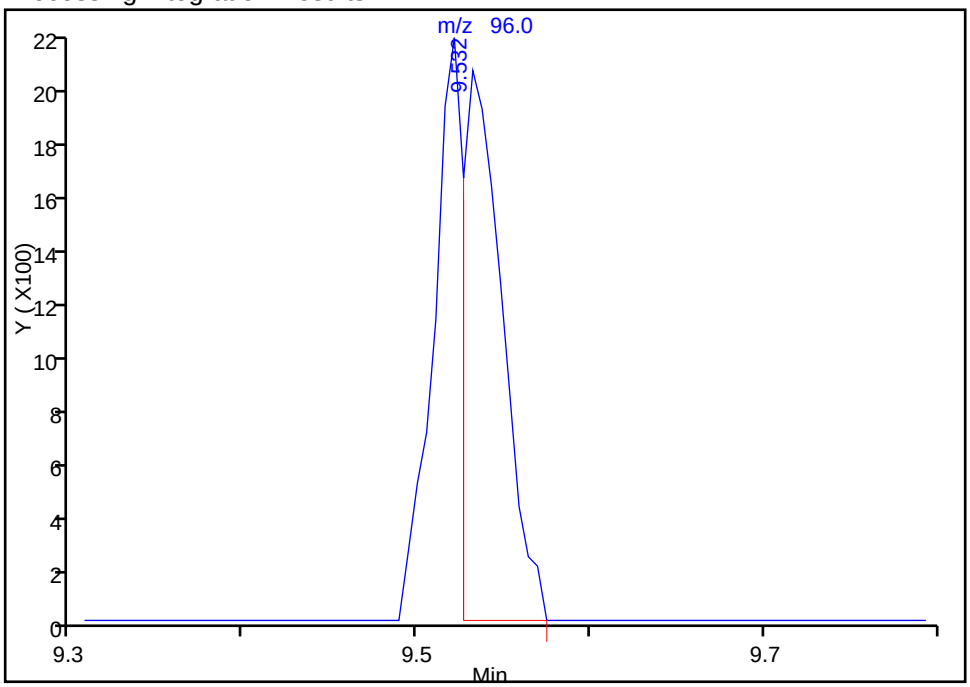
TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D				
Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2

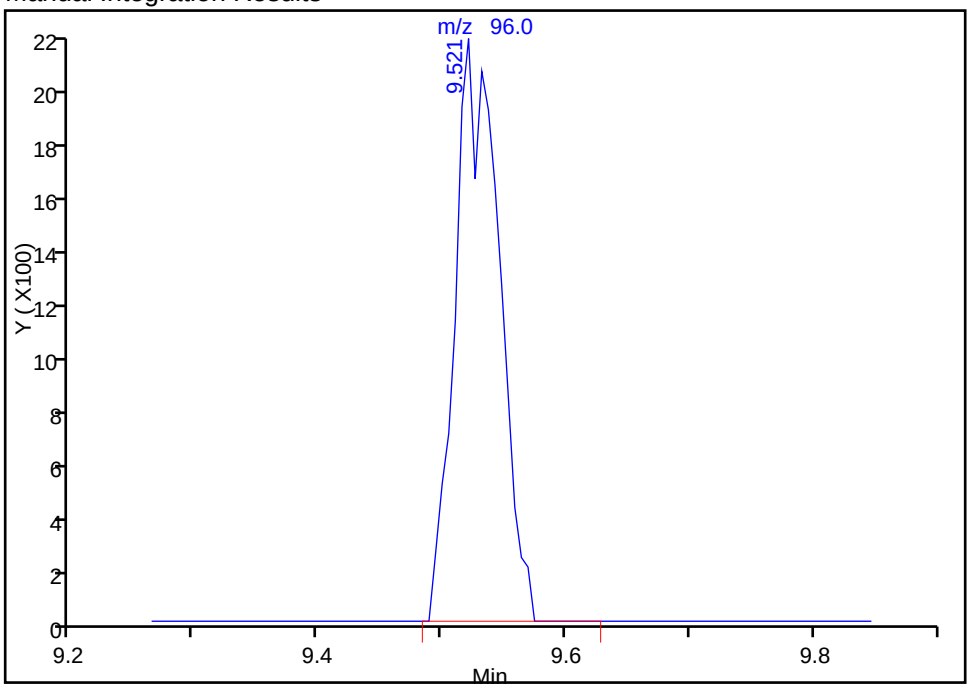
Processing Integration Results

RT: 9.53
Response: 3283
Amount: 0.083990



Manual Integration Results

RT: 9.52
Response: 5433
Amount: 0.138993



Reviewer: daiglep, 16-Oct-2014 11:09:02
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

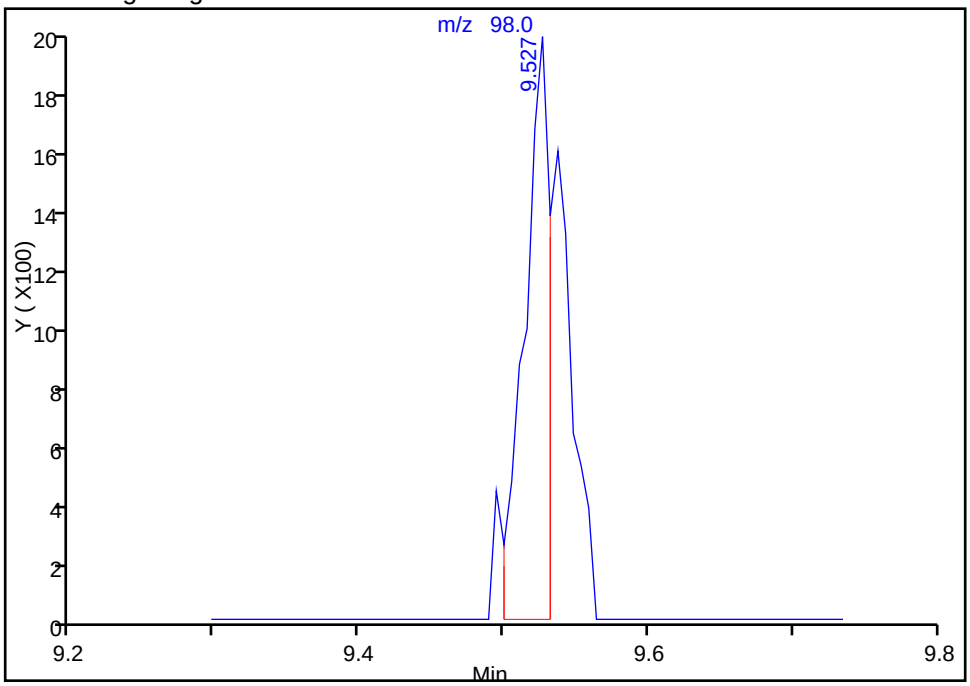
TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_08.D				
Injection Date:	15-Oct-2014 17:09:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-3	Lab Sample ID:	200-24716-3		
Client ID:	SDS-3				
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2

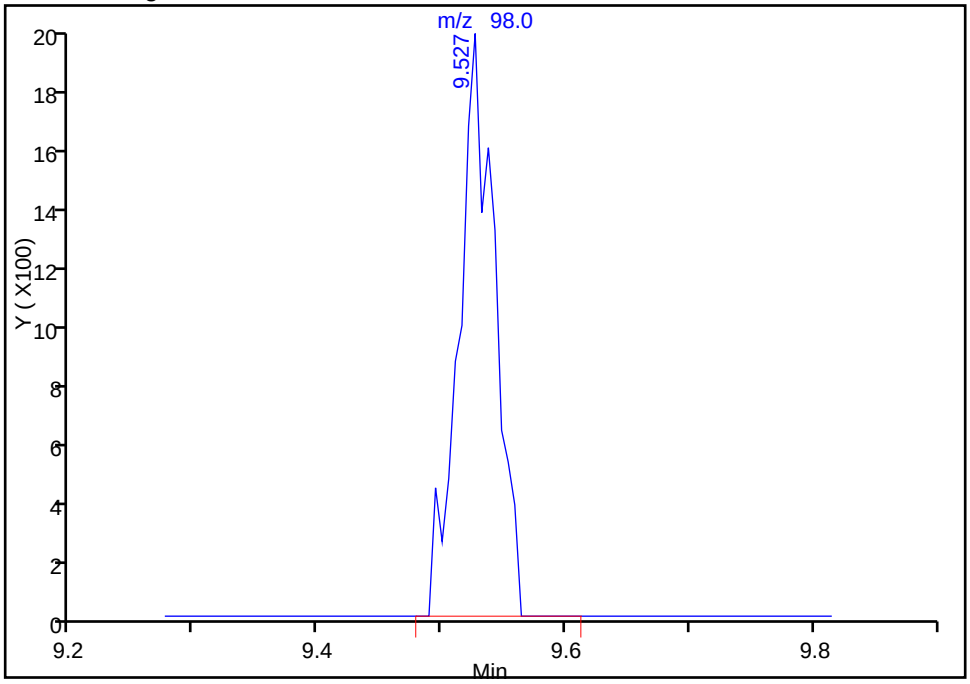
Processing Integration Results

RT: 9.53
Response: 2436
Amount: 0.083990



Manual Integration Results

RT: 9.53
Response: 4000
Amount: 0.138993



Reviewer: daiglep, 16-Oct-2014 11:09:02
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-4 Lab Sample ID: 200-24716-4

Matrix: Air Lab File ID: 10013_09.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:32

Sample wt/vol: 100(mL) Date Analyzed: 10/15/2014 18:01

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.54	J	1.0	0.11
75-45-6	Freon 22	86.47	0.55	J	1.0	0.16
76-14-2	Freon-114	170.92	0.40	U	0.40	0.10
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.12
106-97-8	n-Butane	58.12	1.0	U	1.0	0.36
75-01-4	Vinyl chloride	62.50	0.080	U	0.080	0.052
106-99-0	1,3-Butadiene	54.09	0.40	U	0.40	0.072
74-83-9	Bromomethane	94.94	0.40	U	0.40	0.088
75-00-3	Chloroethane	64.52	1.0	U	1.0	0.12
593-60-2	Vinyl bromide	106.96	0.40	U	0.40	0.040
75-69-4	Freon 11	137.37	0.29	J	0.40	0.090
76-13-1	Freon 113	187.38	0.13	J	0.40	0.082
75-35-4	1,1-Dichloroethene	96.94	0.40	U	0.40	0.020
67-64-1	Acetone	58.08	5.7	J	10	1.4
67-63-0	Isopropyl alcohol	60.10	47		10	0.30
75-15-0	Carbon disulfide	76.14	1.0	U	1.0	0.060
107-05-1	Allyl chloride	76.53	1.0	U	1.0	0.32
75-09-2	Methylene Chloride	84.93	9.9		1.0	0.24
75-65-0	tert-Butyl alcohol	74.12	10	U	10	0.24
1634-04-4	Methyl tert-butyl ether	88.15	0.40	U	0.40	0.044
156-60-5	trans-1,2-Dichloroethene	96.94	0.40	U	0.40	0.054
110-54-3	Hexane	86.17	0.32	J	0.40	0.056
75-34-3	1,1-Dichloroethane	98.96	0.40	U	0.40	0.056
78-93-3	Methyl Ethyl Ketone	72.11	1.0	U	1.0	0.18
156-59-2	cis-1,2-Dichloroethene	96.94	0.47		0.40	0.060
540-59-0	1,2-Dichloroethene, Total	96.94	0.47		0.40	0.11
67-66-3	Chloroform	119.38	0.40	U	0.40	0.076
109-99-9	Tetrahydrofuran	72.11	10	U	10	0.36
71-55-6	1,1,1-Trichloroethane	133.41	0.40	U	0.40	0.060
110-82-7	Cyclohexane	84.16	1.3		0.40	0.020
56-23-5	Carbon tetrachloride	153.81	0.079	J	0.080	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.40	U	0.40	0.046
71-43-2	Benzene	78.11	0.12	J	0.40	0.058
107-06-2	1,2-Dichloroethane	98.96	0.40	U	0.40	0.10
142-82-5	Heptane	100.21	7.1		0.40	0.074

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-4 Lab Sample ID: 200-24716-4

Matrix: Air Lab File ID: 10013_09.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:32

Sample wt/vol: 100(mL) Date Analyzed: 10/15/2014 18:01

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.1		0.080	0.060
80-62-6	Methyl methacrylate	100.12	1.0	U	1.0	0.19
78-87-5	1,2-Dichloropropane	112.99	0.40	U	0.40	0.070
123-91-1	1,4-Dioxane	88.11	0.48	J	10	0.32
75-27-4	Bromodichloromethane	163.83	0.40	U	0.40	0.058
10061-01-5	cis-1,3-Dichloropropene	110.97	0.40	U	0.40	0.058
108-10-1	methyl isobutyl ketone	100.16	1.0	U	1.0	0.36
108-88-3	Toluene	92.14	0.55		0.40	0.050
10061-02-6	trans-1,3-Dichloropropene	110.97	0.40	U	0.40	0.052
79-00-5	1,1,2-Trichloroethane	133.41	0.40	U	0.40	0.074
127-18-4	Tetrachloroethene	165.83	29		0.40	0.060
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.0	U	1.0	0.34
124-48-1	Dibromochloromethane	208.29	0.40	U	0.40	0.040
106-93-4	1,2-Dibromoethane	187.87	0.40	U	0.40	0.036
108-90-7	Chlorobenzene	112.56	0.40	U	0.40	0.036
100-41-4	Ethylbenzene	106.17	0.34	J	0.40	0.040
179601-23-1	m,p-Xylene	106.17	0.90	J	1.0	0.050
95-47-6	Xylene, o-	106.17	0.83		0.40	0.036
1330-20-7	Xylene (total)	106.17	1.7		0.40	0.082
100-42-5	Styrene	104.15	0.20	J	0.40	0.032
75-25-2	Bromoform	252.75	0.40	U	0.40	0.050
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.40	U	0.40	0.068
103-65-1	n-Propylbenzene	120.19	0.40	U	0.40	0.054
622-96-8	4-Ethyltoluene	120.20	0.15	J	0.40	0.040
108-67-8	1,3,5-Trimethylbenzene	120.20	0.48		0.40	0.038
95-49-8	2-Chlorotoluene	126.59	0.40	U	0.40	0.062
98-06-6	tert-Butylbenzene	134.22	0.40	U	0.40	0.040
95-63-6	1,2,4-Trimethylbenzene	120.20	0.65		0.40	0.032
135-98-8	sec-Butylbenzene	134.22	0.40	U	0.40	0.042
99-87-6	4-Isopropyltoluene	134.22	0.17	J	0.40	0.040
541-73-1	1,3-Dichlorobenzene	147.00	0.40	U	0.40	0.040
106-46-7	1,4-Dichlorobenzene	147.00	0.40	U	0.40	0.038
100-44-7	Benzyl chloride	126.58	0.40	U	0.40	0.036
104-51-8	n-Butylbenzene	134.22	0.40	U	0.40	0.056

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-4 Lab Sample ID: 200-24716-4

Matrix: Air Lab File ID: 10013_09.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:32

Sample wt/vol: 100(mL) Date Analyzed: 10/15/2014 18:01

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.40	U	0.40	0.036
120-82-1	1,2,4-Trichlorobenzene	181.45	1.0	U	1.0	0.068
87-68-3	Hexachloro-1,3-butadiene	260.76	0.40	U	0.40	0.072
91-20-3	Naphthalene	128.17	1.0	U	1.0	0.060

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-4 Lab Sample ID: 200-24716-4

Matrix: Air Lab File ID: 10013_09.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:32

Sample wt/vol: 100(mL) Date Analyzed: 10/15/2014 18:01

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.7	J	4.9	0.55
75-45-6	Freon 22	86.47	2.0	J	3.5	0.57
76-14-2	Freon-114	170.92	2.8	U	2.8	0.73
74-87-3	Chloromethane	50.49	2.1	U	2.1	0.25
106-97-8	n-Butane	58.12	2.4	U	2.4	0.86
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.13
106-99-0	1,3-Butadiene	54.09	0.88	U	0.88	0.16
74-83-9	Bromomethane	94.94	1.6	U	1.6	0.34
75-00-3	Chloroethane	64.52	2.6	U	2.6	0.32
593-60-2	Vinyl bromide	106.96	1.7	U	1.7	0.17
75-69-4	Freon 11	137.37	1.6	J	2.2	0.51
76-13-1	Freon 113	187.38	0.96	J	3.1	0.63
75-35-4	1,1-Dichloroethene	96.94	1.6	U	1.6	0.079
67-64-1	Acetone	58.08	14	J	24	3.3
67-63-0	Isopropyl alcohol	60.10	120		25	0.74
75-15-0	Carbon disulfide	76.14	3.1	U	3.1	0.19
107-05-1	Allyl chloride	76.53	3.1	U	3.1	1.0
75-09-2	Methylene Chloride	84.93	35		3.5	0.83
75-65-0	tert-Butyl alcohol	74.12	30	U	30	0.73
1634-04-4	Methyl tert-butyl ether	88.15	1.4	U	1.4	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	1.6	U	1.6	0.21
110-54-3	Hexane	86.17	1.1	J	1.4	0.20
75-34-3	1,1-Dichloroethane	98.96	1.6	U	1.6	0.23
78-93-3	Methyl Ethyl Ketone	72.11	2.9	U	2.9	0.54
156-59-2	cis-1,2-Dichloroethene	96.94	1.9		1.6	0.24
540-59-0	1,2-Dichloroethene, Total	96.94	1.9		1.6	0.42
67-66-3	Chloroform	119.38	2.0	U	2.0	0.37
109-99-9	Tetrahydrofuran	72.11	29	U	29	1.1
71-55-6	1,1,1-Trichloroethane	133.41	2.2	U	2.2	0.33
110-82-7	Cyclohexane	84.16	4.4		1.4	0.069
56-23-5	Carbon tetrachloride	153.81	0.50	J	0.50	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	1.9	U	1.9	0.21
71-43-2	Benzene	78.11	0.37	J	1.3	0.19
107-06-2	1,2-Dichloroethane	98.96	1.6	U	1.6	0.42
142-82-5	Heptane	100.21	29		1.6	0.30

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-4 Lab Sample ID: 200-24716-4

Matrix: Air Lab File ID: 10013_09.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:32

Sample wt/vol: 100(mL) Date Analyzed: 10/15/2014 18:01

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	12		0.43	0.32
80-62-6	Methyl methacrylate	100.12	4.1	U	4.1	0.79
78-87-5	1,2-Dichloropropane	112.99	1.8	U	1.8	0.32
123-91-1	1,4-Dioxane	88.11	1.7	J	36	1.2
75-27-4	Bromodichloromethane	163.83	2.7	U	2.7	0.39
10061-01-5	cis-1,3-Dichloropropene	110.97	1.8	U	1.8	0.26
108-10-1	methyl isobutyl ketone	100.16	4.1	U	4.1	1.5
108-88-3	Toluene	92.14	2.1		1.5	0.19
10061-02-6	trans-1,3-Dichloropropene	110.97	1.8	U	1.8	0.24
79-00-5	1,1,2-Trichloroethane	133.41	2.2	U	2.2	0.40
127-18-4	Tetrachloroethene	165.83	190		2.7	0.41
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.1	U	4.1	1.4
124-48-1	Dibromochloromethane	208.29	3.4	U	3.4	0.34
106-93-4	1,2-Dibromoethane	187.87	3.1	U	3.1	0.28
108-90-7	Chlorobenzene	112.56	1.8	U	1.8	0.17
100-41-4	Ethylbenzene	106.17	1.5	J	1.7	0.17
179601-23-1	m,p-Xylene	106.17	3.9	J	4.3	0.22
95-47-6	Xylene, o-	106.17	3.6		1.7	0.16
1330-20-7	Xylene (total)	106.17	7.5		1.7	0.36
100-42-5	Styrene	104.15	0.85	J	1.7	0.14
75-25-2	Bromoform	252.75	4.1	U	4.1	0.52
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.7	U	2.7	0.47
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.27
622-96-8	4-Ethyltoluene	120.20	0.74	J	2.0	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	2.3		2.0	0.19
95-49-8	2-Chlorotoluene	126.59	2.1	U	2.1	0.32
98-06-6	tert-Butylbenzene	134.22	2.2	U	2.2	0.22
95-63-6	1,2,4-Trimethylbenzene	120.20	3.2		2.0	0.16
135-98-8	sec-Butylbenzene	134.22	2.2	U	2.2	0.23
99-87-6	4-Isopropyltoluene	134.22	0.95	J	2.2	0.22
541-73-1	1,3-Dichlorobenzene	147.00	2.4	U	2.4	0.24
106-46-7	1,4-Dichlorobenzene	147.00	2.4	U	2.4	0.23
100-44-7	Benzyl chloride	126.58	2.1	U	2.1	0.19
104-51-8	n-Butylbenzene	134.22	2.2	U	2.2	0.31

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-4 Lab Sample ID: 200-24716-4

Matrix: Air Lab File ID: 10013_09.D

Analysis Method: TO-15 Date Collected: 10/09/2014 14:32

Sample wt/vol: 100(mL) Date Analyzed: 10/15/2014 18:01

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	2.4	U	2.4	0.22
120-82-1	1,2,4-Trichlorobenzene	181.45	7.4	U	7.4	0.50
87-68-3	Hexachloro-1,3-butadiene	260.76	4.3	U	4.3	0.77
91-20-3	Naphthalene	128.17	5.2	U	5.2	0.31

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D
Lims ID: 200-24716-A-4 Lab Sample ID: 200-24716-4
Client ID: SDS-4
Sample Type: Client
Inject. Date: 15-Oct-2014 18:01:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 200-0010013-009
Misc. Info.: 24716-04
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 16-Oct-2014 11:43:38 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 16-Oct-2014 11:11:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.229	3.224	0.005	98	30984	0.2701	
6 Chlorodifluoromethane	51	3.266	3.266	0.000	95	12815	0.2758	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.453				ND	
8 Chloromethane	50		3.592				ND	
9 Butane	43		3.773				ND	
10 Vinyl chloride	62		3.816				ND	
11 Butadiene	54		3.880				ND	
12 Bromomethane	94		4.595				ND	
14 Chloroethane	64		4.841				ND	
16 Vinyl bromide	106		5.257				ND	
17 Trichlorofluoromethane	101	5.359	5.353	0.005	97	19411	0.1463	M
23 1,1,2-Trichloro-1,2,2-trif	101	6.399	6.399	0.000	95	4984	0.0626	
24 1,1-Dichloroethene	96		6.479				ND	
25 Acetone	43	6.655	6.655	0.000	85	137055	2.87	
26 Isopropyl alcohol	45	6.864	6.858	0.006	97	771662	23.7	
27 Carbon disulfide	76		6.912				ND	
29 3-Chloro-1-propene	41		7.200				ND	
31 Methylene Chloride	49	7.467	7.467	0.000	79	137457	4.97	
32 2-Methyl-2-propanol	59		7.568				ND	
33 Methyl tert-butyl ether	73		7.798				ND	
34 trans-1,2-Dichloroethene	61		7.867				ND	
36 Hexane	57	8.176	8.182	-0.006	87	5890	0.1599	
37 1,1-Dichloroethane	63		8.625				ND	
* 44 Chlorobromomethane	128	9.906	9.906	0.000	71	395529	10.0	
39 cis-1,2-Dichloroethene	96	9.527	9.532	-0.005	95	9245	0.2363	
40 2-Butanone (MEK)	72		9.532				ND	
43 Tetrahydrofuran	42		9.906				ND	
45 Chloroform	83		9.975				ND	
S 42 1,2-Dichloroethene, Total	61				0		0.2363	
47 1,1,1-Trichloroethane	97		10.226				ND	
46 Cyclohexane	84	10.220	10.226	-0.006	89	31093	0.6443	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	10.418	10.423	-0.005	63	4688	0.0396	
49 Isooctane	57		10.695				ND	
50 Benzene	78	10.765	10.760	0.005	49	5923	0.0582	
51 1,2-Dichloroethane	62		10.877				ND	
52 n-Heptane	43	10.946	10.941	0.005	77	131030	3.55	
* 54 1,4-Difluorobenzene	114	11.304	11.304	0.000	92	1899662	10.0	
57 Trichloroethene	95	11.667	11.667	0.000	96	59712	1.07	
58 1,2-Dichloropropane	63		12.056				ND	
59 Methyl methacrylate	69		12.078				ND	
60 1,4-Dioxane	88	12.179	12.174	0.005	80	4365	0.2398	
62 Dichlorobromomethane	83		12.409				ND	
64 cis-1,3-Dichloropropene	75		13.038				ND	
65 4-Methyl-2-pentanone (MIBK	43		13.188				ND	
68 Toluene	92	13.460	13.460	0.000	93	22668	0.2759	
70 trans-1,3-Dichloropropene	75		13.834				ND	
71 1,1,2-Trichloroethane	83		14.106				ND	
72 Tetrachloroethene	166	14.223	14.223	0.000	96	1208817	14.3	
73 2-Hexanone	43		14.357				ND	
74 Chlorodibromomethane	129		14.650				ND	
75 Ethylene Dibromide	107		14.853				ND	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	84	1632568	10.0	
77 Chlorobenzene	112		15.435				ND	
79 Ethylbenzene	91	15.493	15.499	-0.006	95	34166	0.1714	
80 m-Xylene & p-Xylene	106	15.637	15.643	-0.006	0	37727	0.4525	
S 81 Xylenes, Total	106				0		0.8697	
82 o-Xylene	106	16.150	16.150	0.000	95	34019	0.4172	
83 Styrene	104	16.176	16.176	0.000	86	12382	0.0995	
84 Bromoform	173		16.470				ND	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	92	1263753	NC	
87 1,1,2,2-Tetrachloroethane	83		16.972				ND	
88 N-Propylbenzene	91		17.030				ND	
91 4-Ethyltoluene	105	17.148	17.153	-0.005	78	19633	0.0754	
92 2-Chlorotoluene	91		17.201				ND	
93 1,3,5-Trimethylbenzene	105	17.222	17.223	0.000	94	52063	0.2377	
95 tert-Butylbenzene	119		17.601				ND	
96 1,2,4-Trimethylbenzene	105	17.671	17.676	-0.005	97	72621	0.3257	
97 sec-Butylbenzene	105		17.863				ND	
98 4-Isopropyltoluene	119	18.018	18.018	0.000	96	23515	0.0867	
99 1,3-Dichlorobenzene	146		18.103				ND	
100 1,4-Dichlorobenzene	146		18.215				ND	
101 Benzyl chloride	91		18.381				ND	
103 n-Butylbenzene	91		18.535				ND	
104 1,2-Dichlorobenzene	146		18.717				ND	
107 1,2,4-Trichlorobenzene	180		21.140				ND	
108 Hexachlorobutadiene	225		21.300				ND	
109 Naphthalene	128		21.652				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

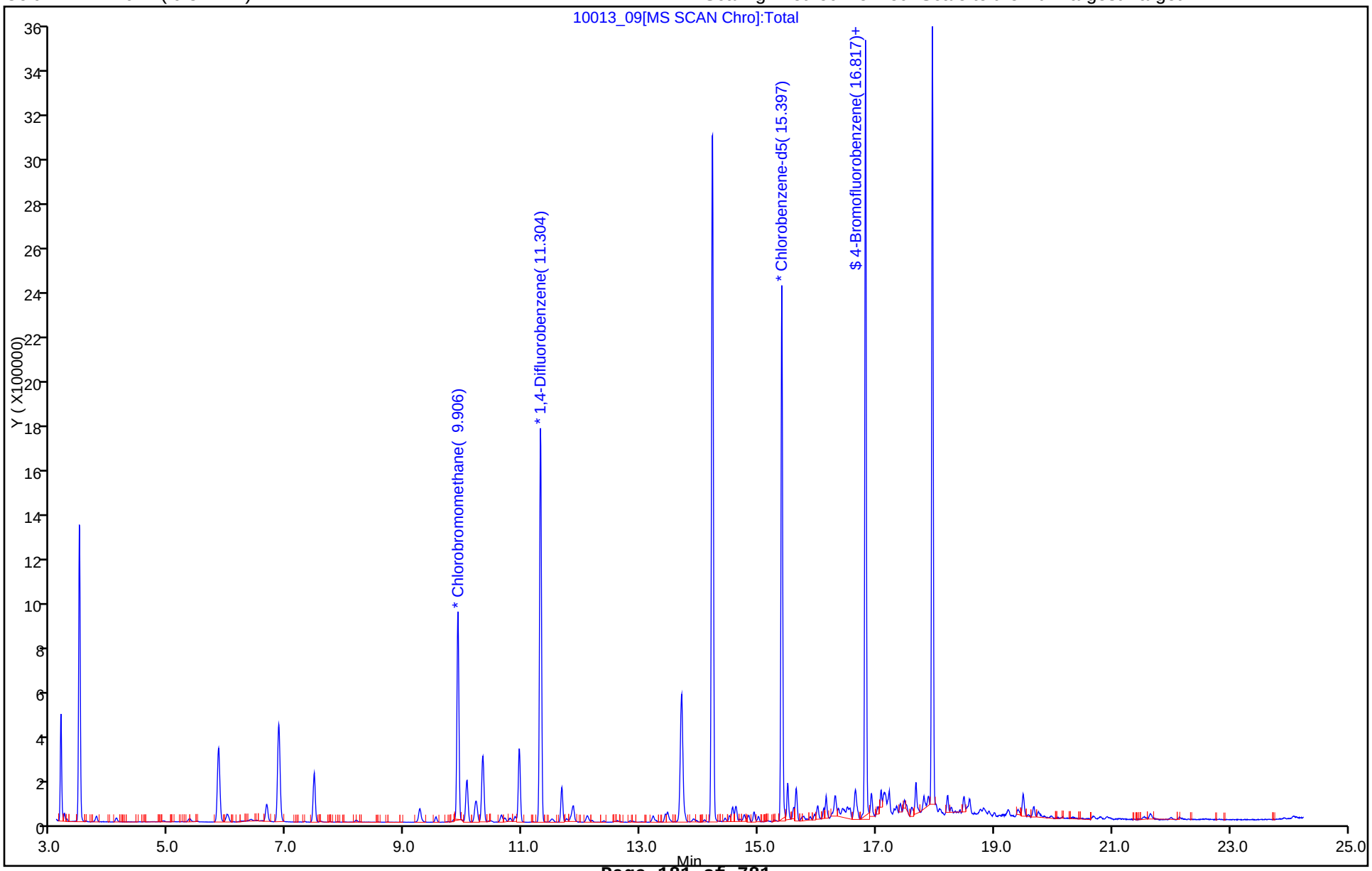
Report Date: 16-Oct-2014 11:43:55 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4	Worklist Smp#:	9
Client ID:	SDS-4				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



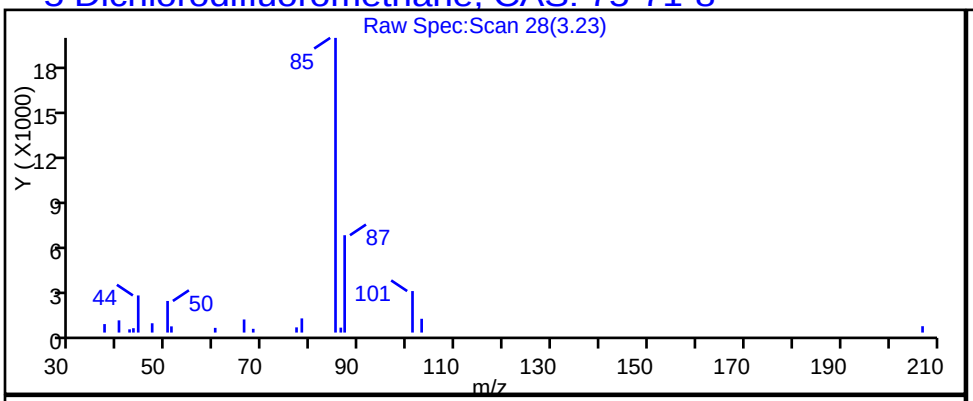
Report Date: 16-Oct-2014 11:43:55 Chrom Revision: 2.2 07-Oct-2014 12:16:06

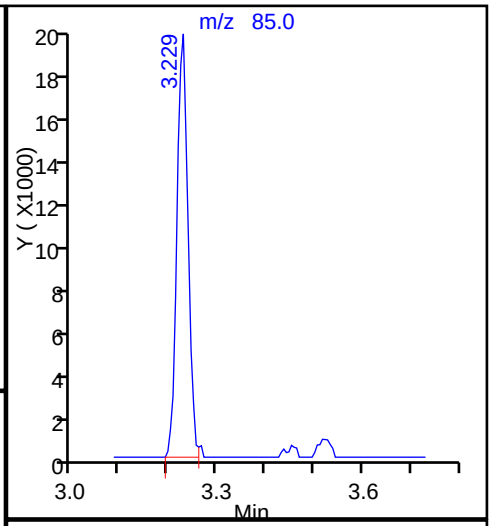
TestAmerica Burlington

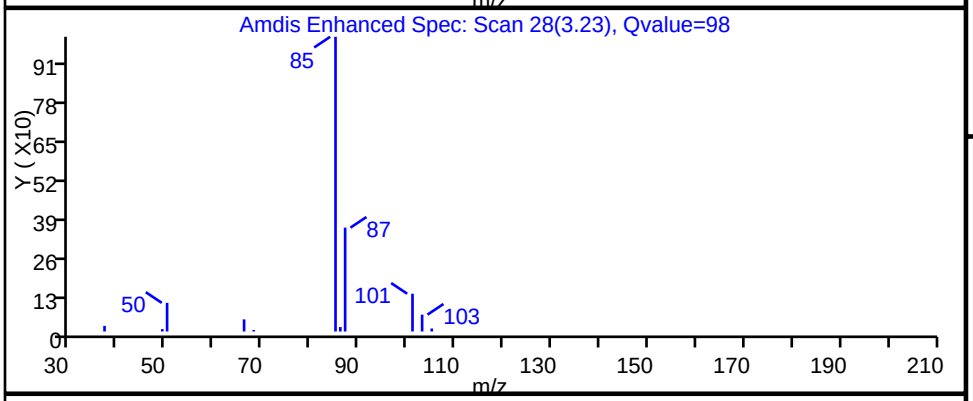
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

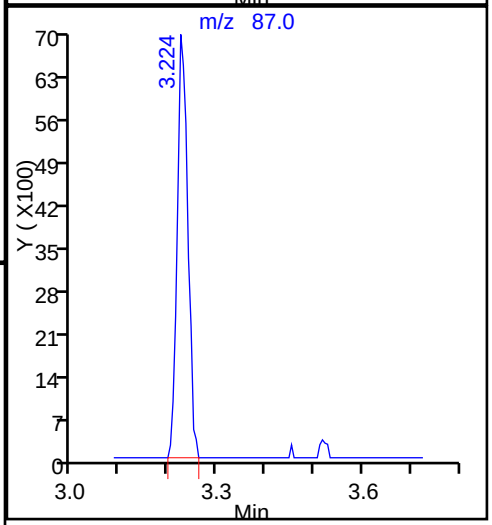
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

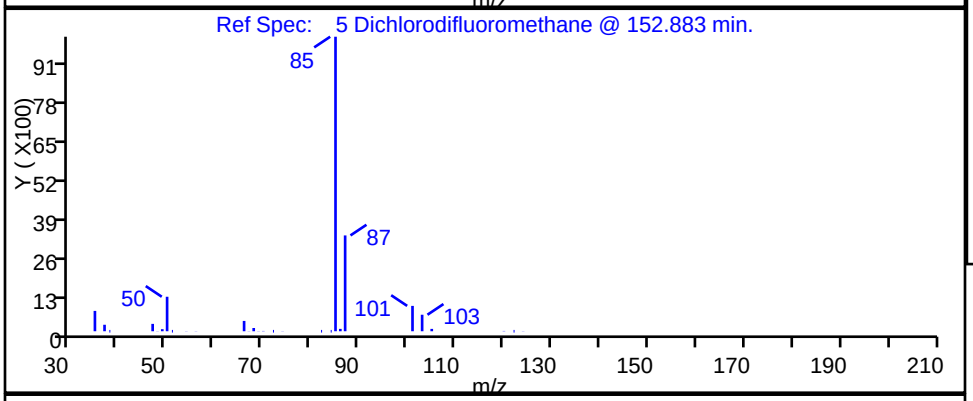
5 Dichlorodifluoromethane, CAS: 75-71-8

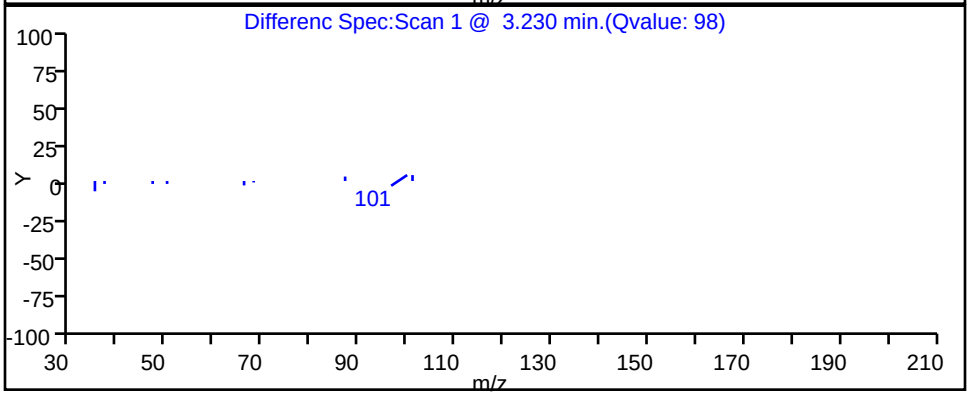












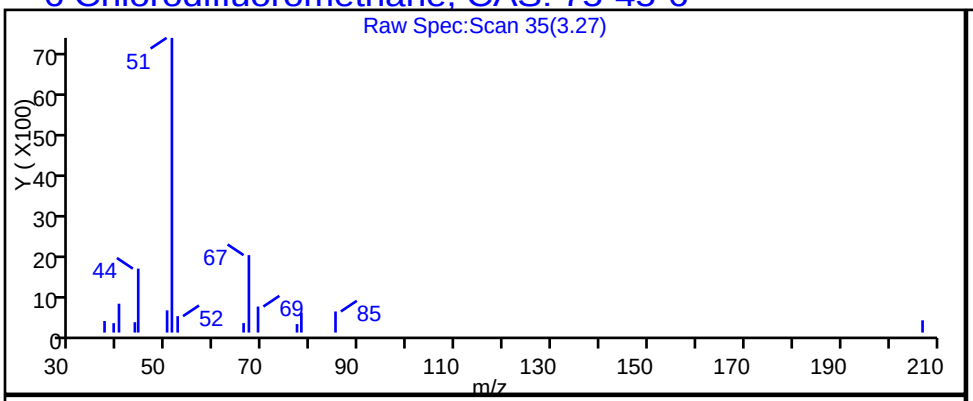
Report Date: 16-Oct-2014 11:43:55 Chrom Revision: 2.2 07-Oct-2014 12:16:06

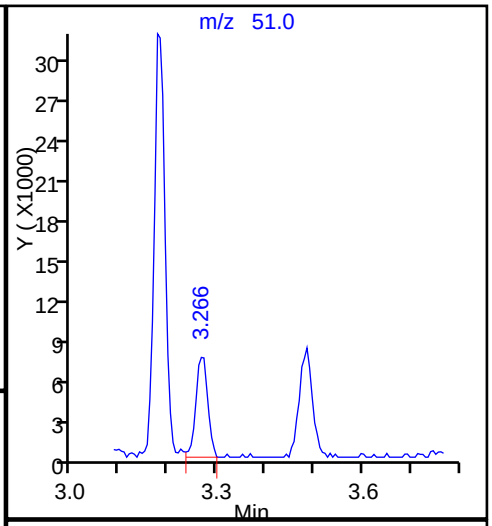
TestAmerica Burlington

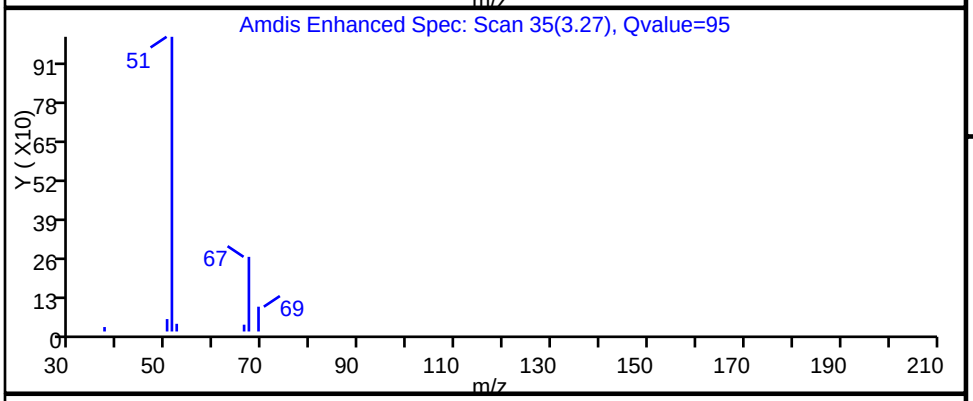
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

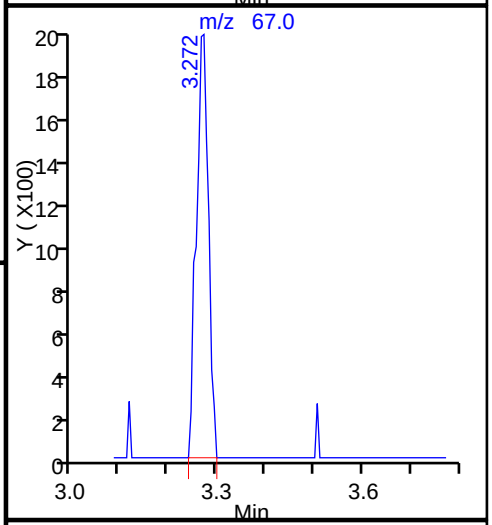
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

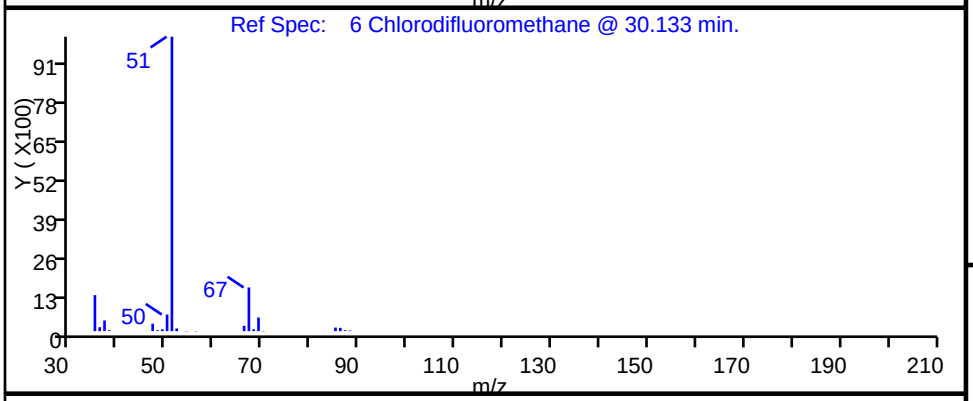
6 Chlorodifluoromethane, CAS: 75-45-6

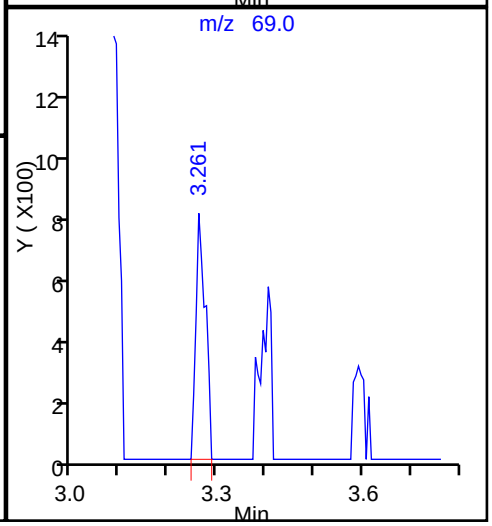


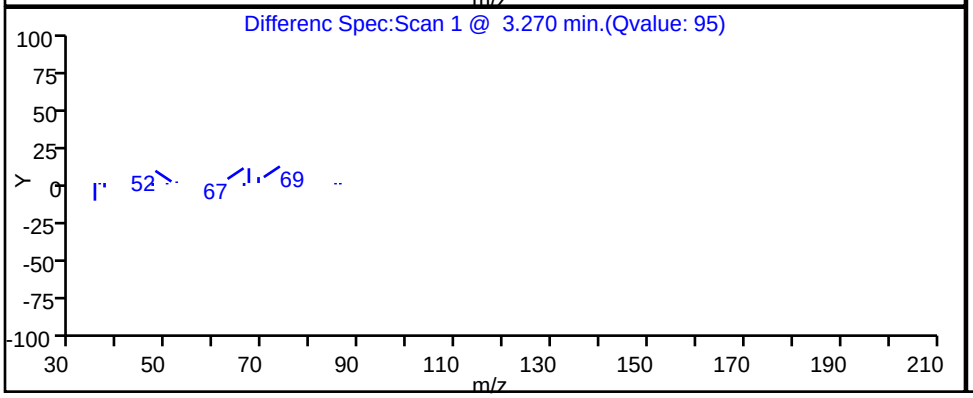












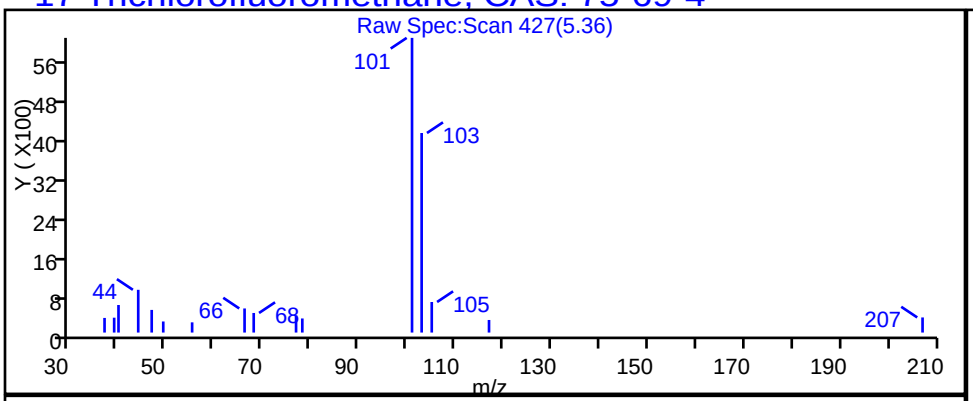
Report Date: 16-Oct-2014 11:43:55 Chrom Revision: 2.2 07-Oct-2014 12:16:06

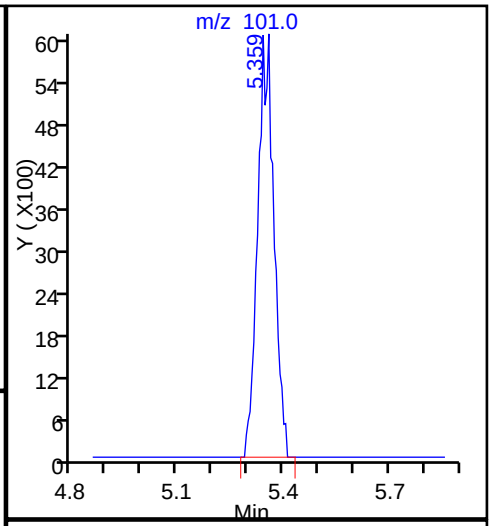
TestAmerica Burlington

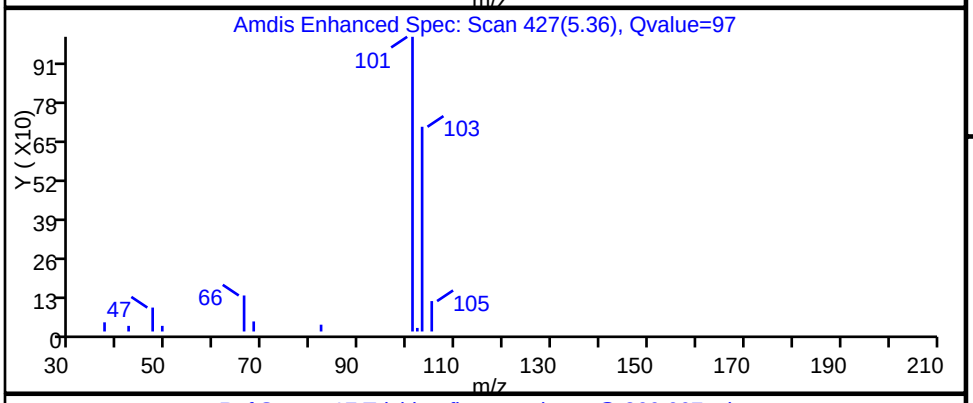
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

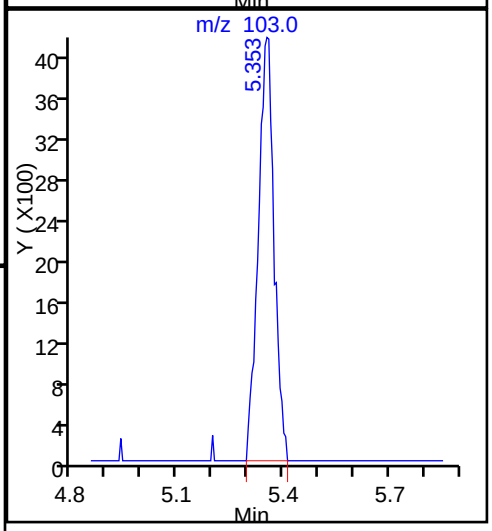
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

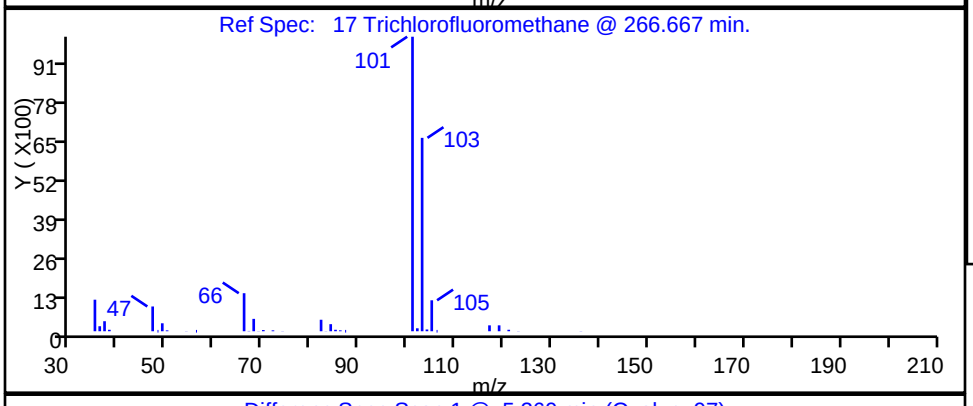
17 Trichlorofluoromethane, CAS: 75-69-4

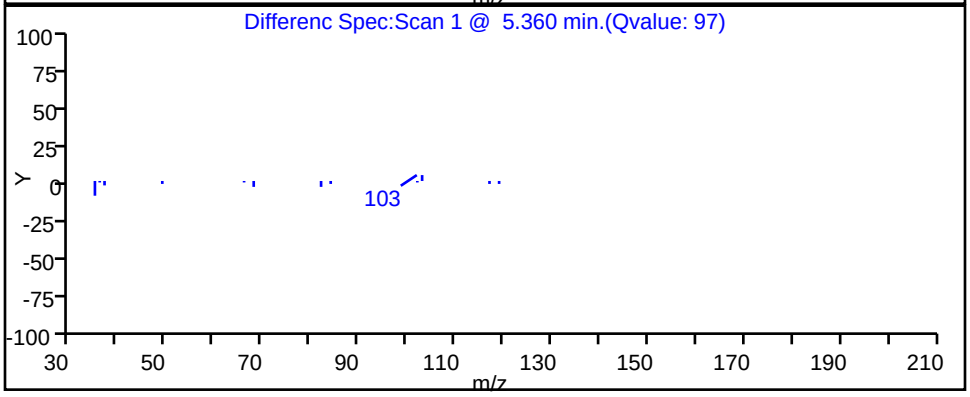












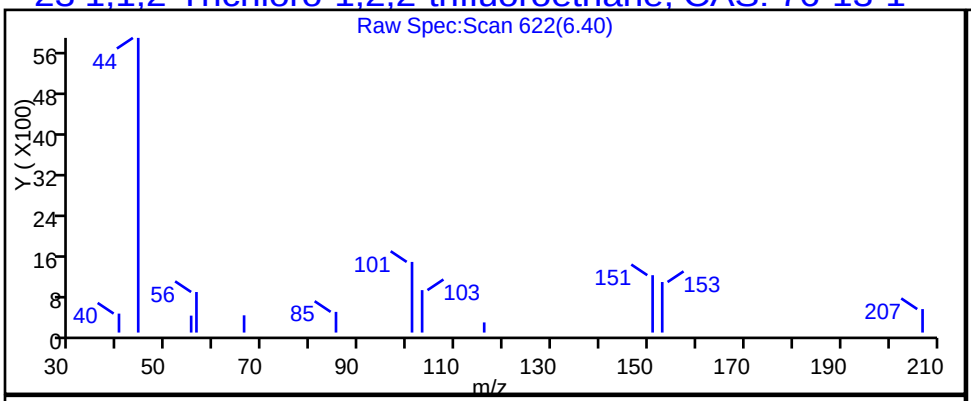
Report Date: 16-Oct-2014 11:43:55 Chrom Revision: 2.2 07-Oct-2014 12:16:06

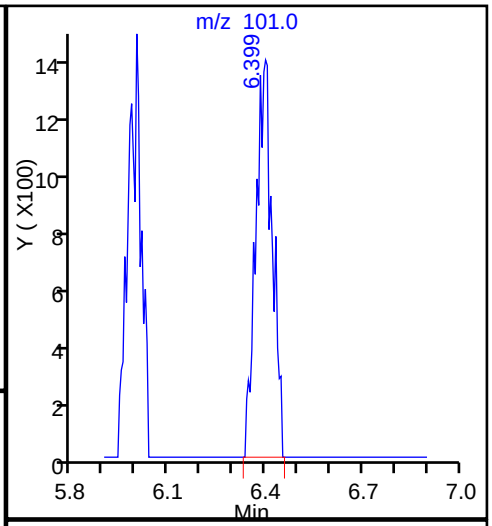
TestAmerica Burlington

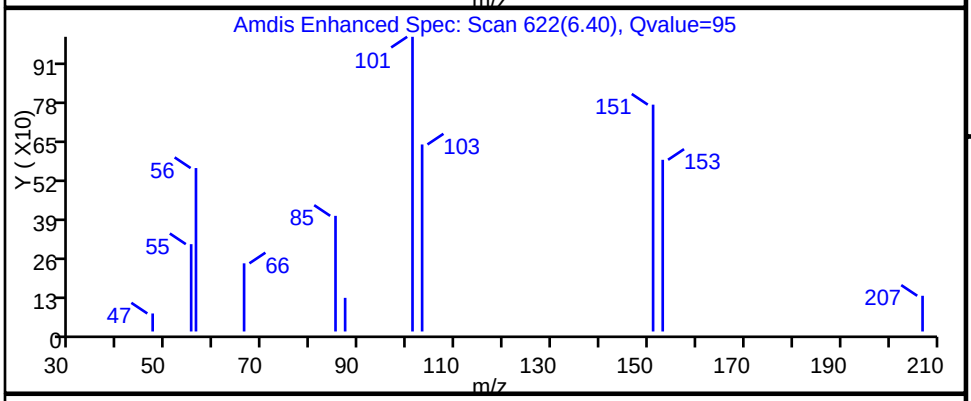
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

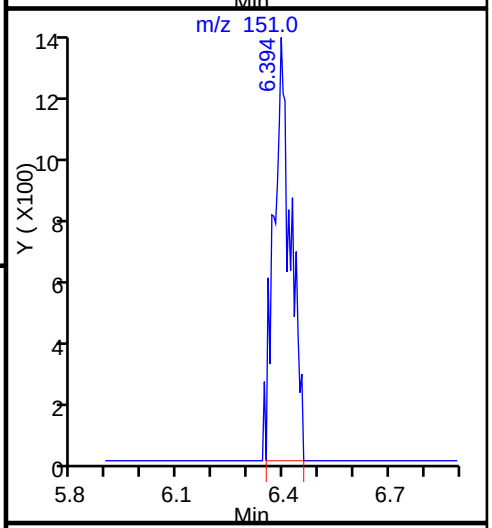
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

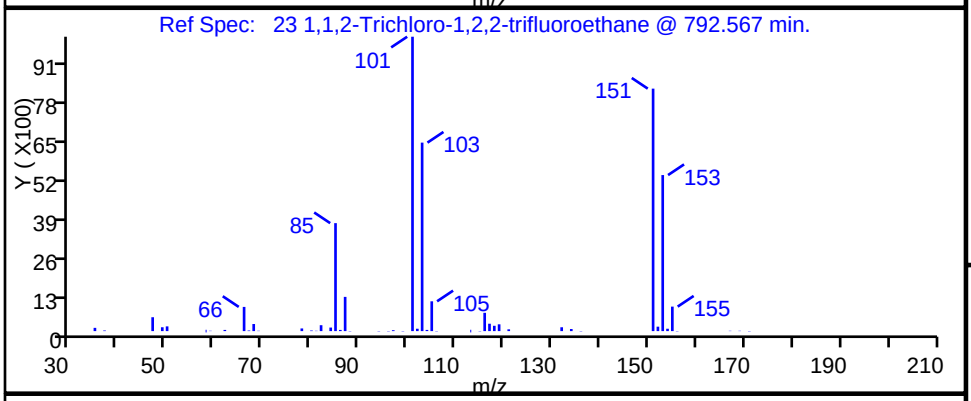
23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

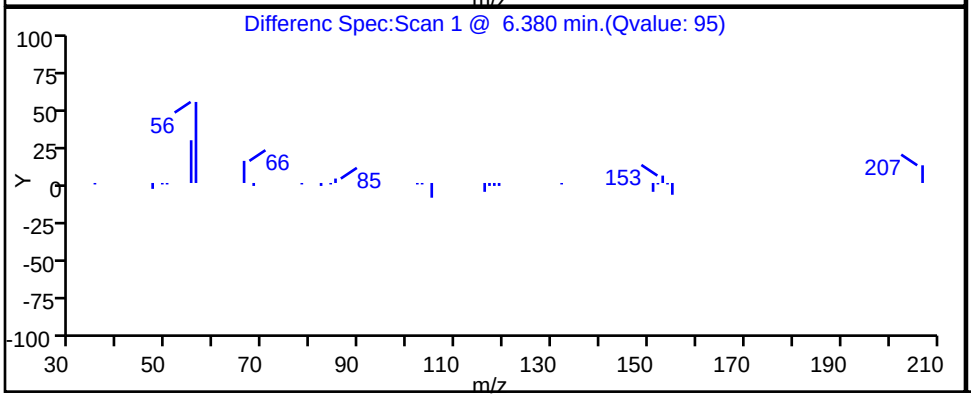


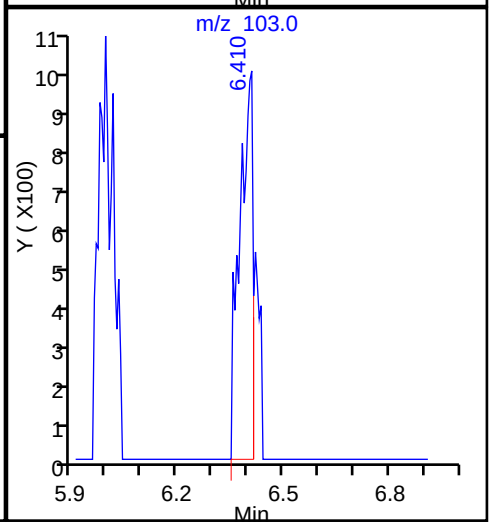












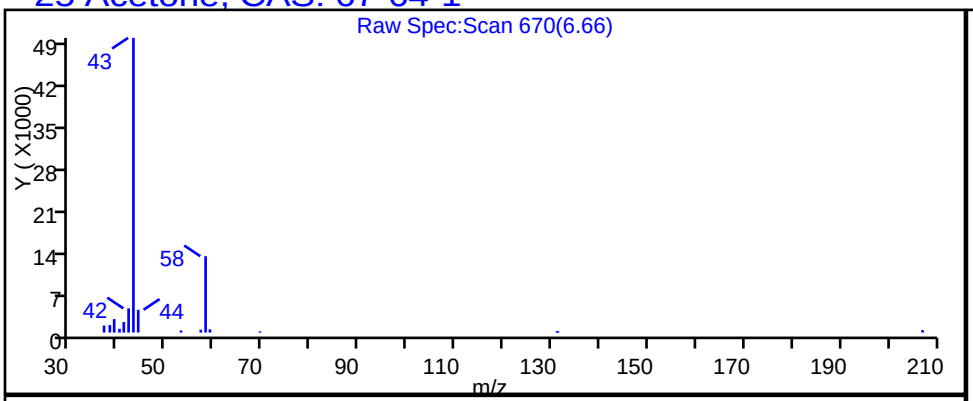
Report Date: 16-Oct-2014 11:43:55 Chrom Revision: 2.2 07-Oct-2014 12:16:06

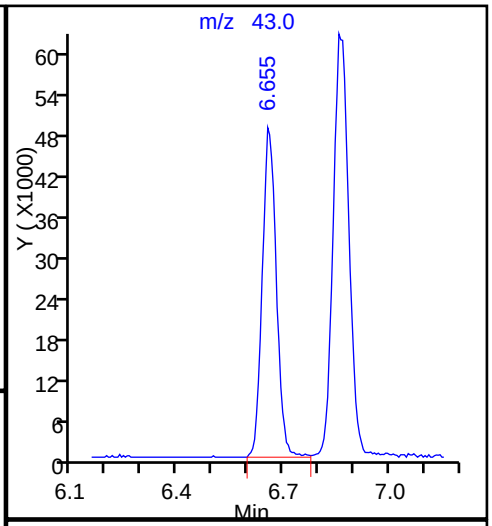
TestAmerica Burlington

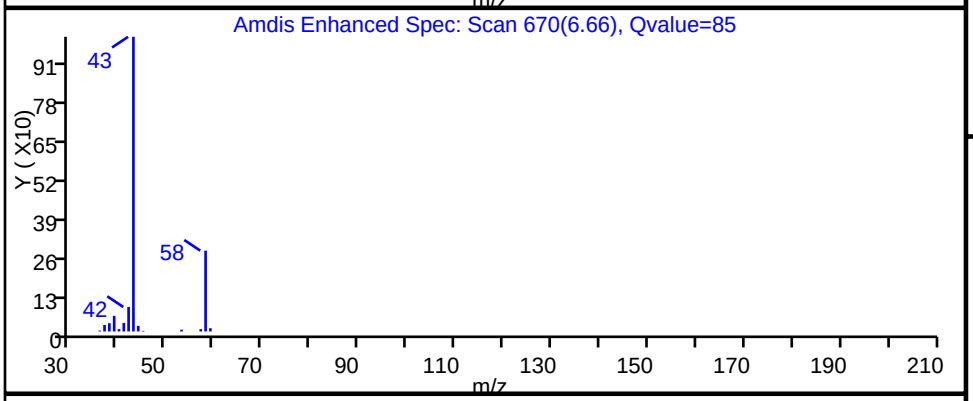
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

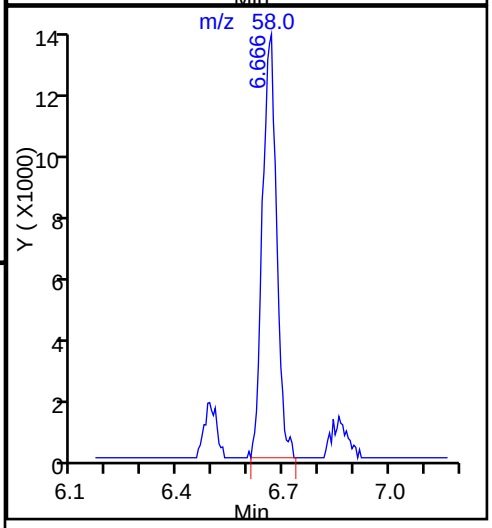
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

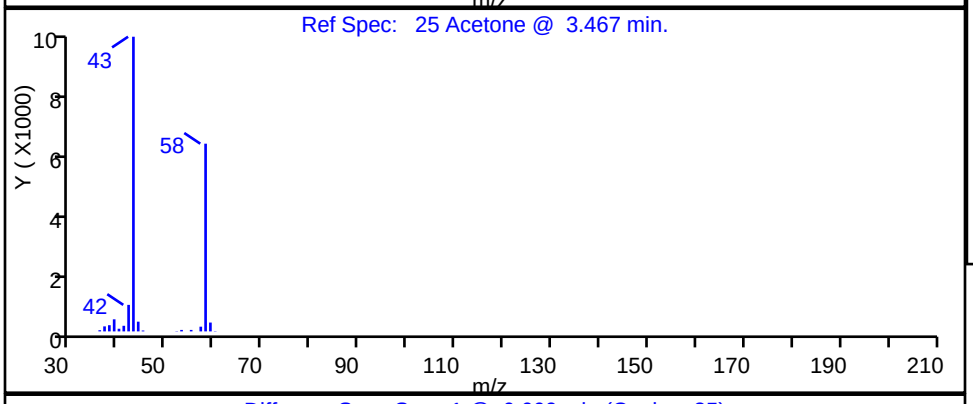
25 Acetone, CAS: 67-64-1

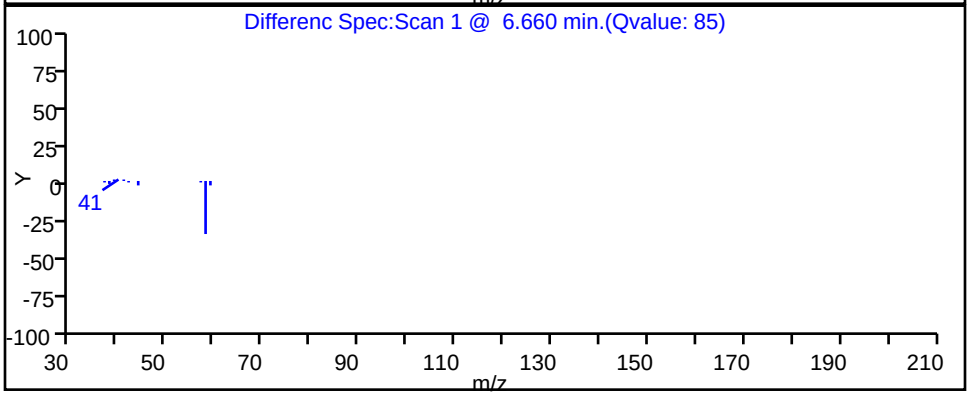












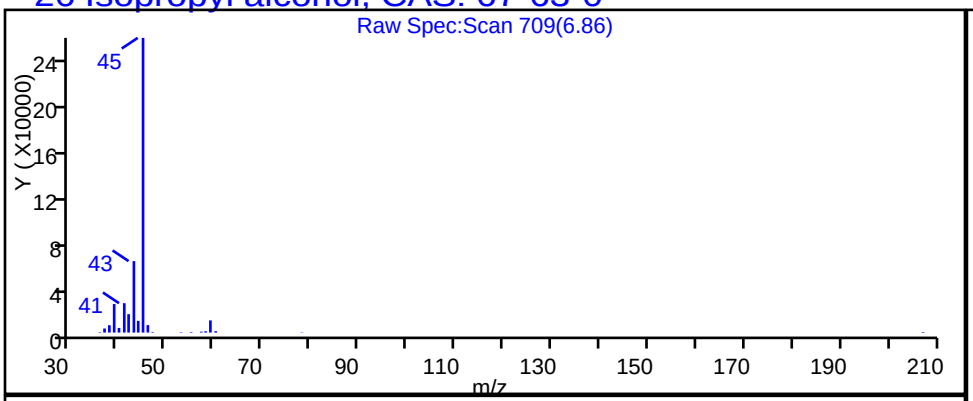
Report Date: 16-Oct-2014 11:43:55 Chrom Revision: 2.2 07-Oct-2014 12:16:06

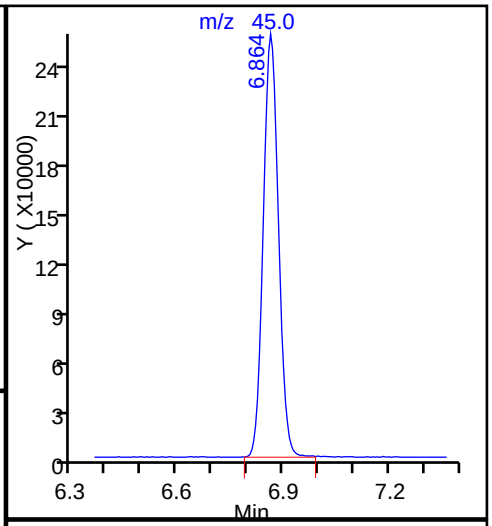
TestAmerica Burlington

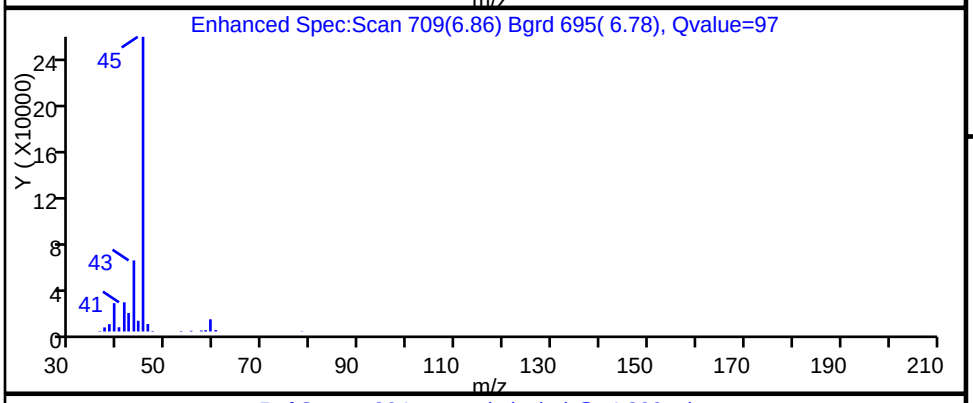
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

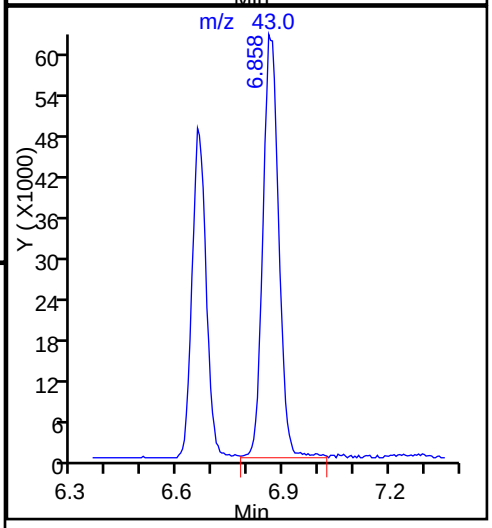
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

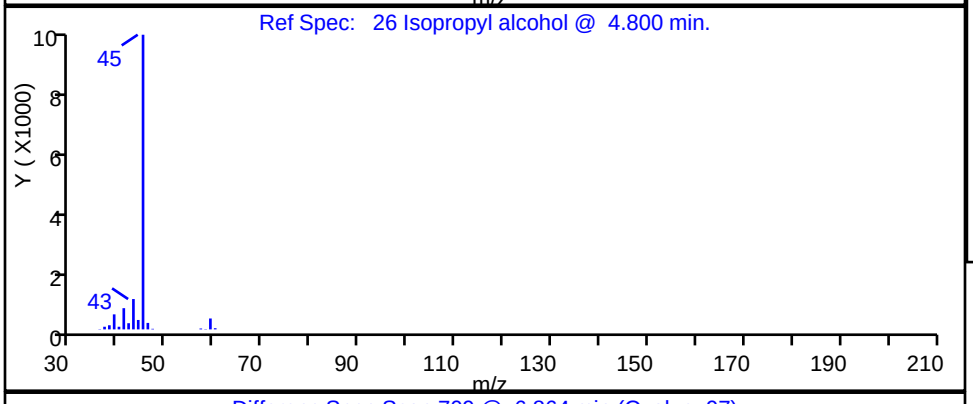
26 Isopropyl alcohol, CAS: 67-63-0

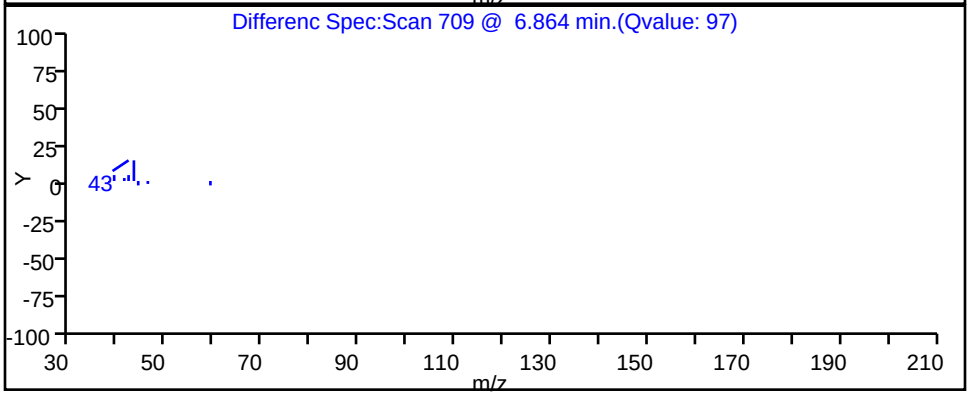












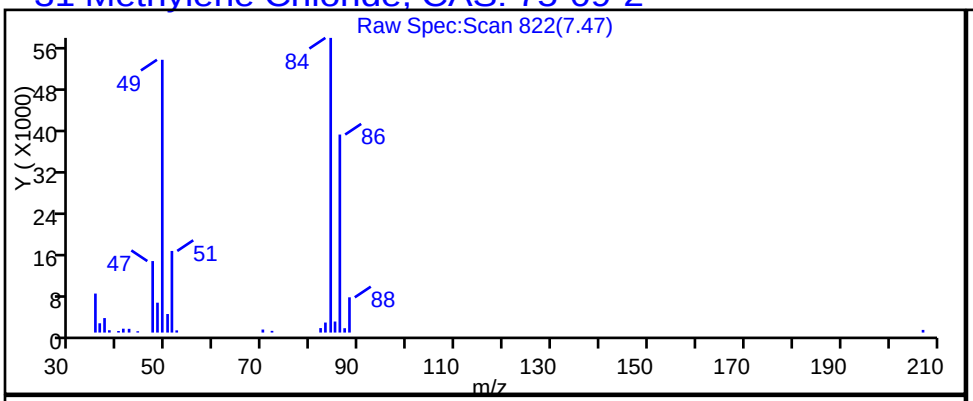
Report Date: 16-Oct-2014 11:43:55 Chrom Revision: 2.2 07-Oct-2014 12:16:06

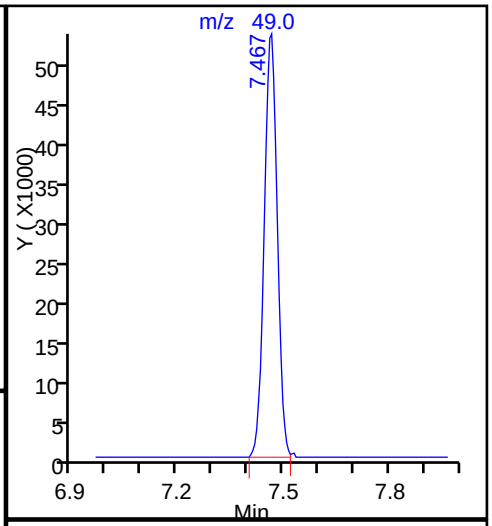
TestAmerica Burlington

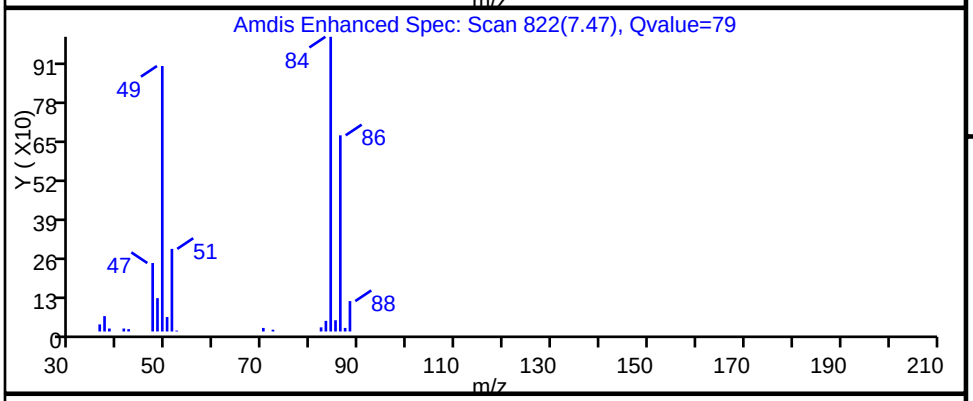
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

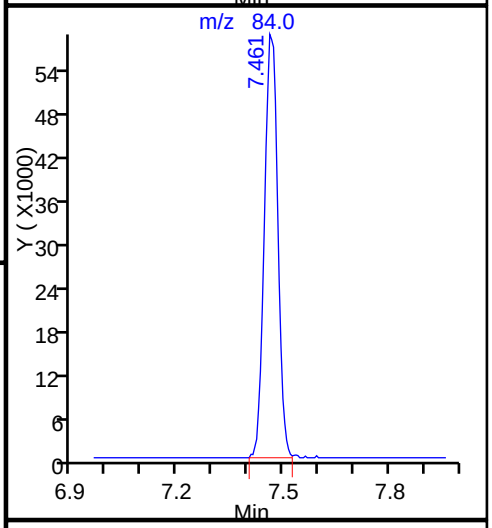
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

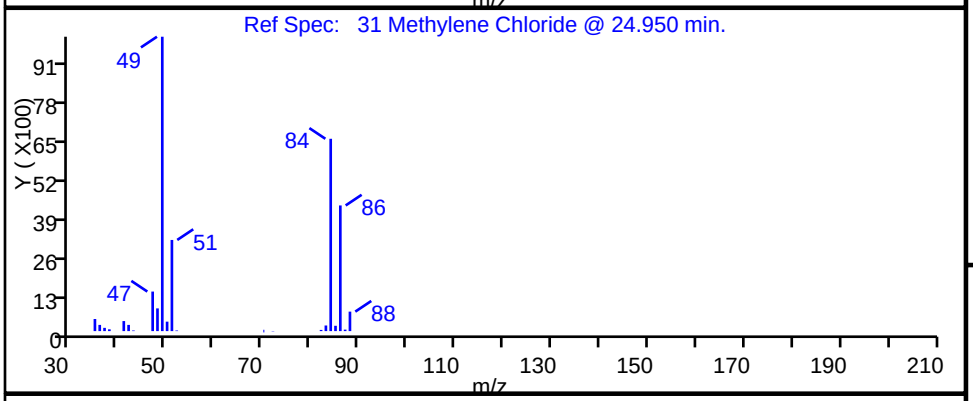
31 Methylene Chloride, CAS: 75-09-2

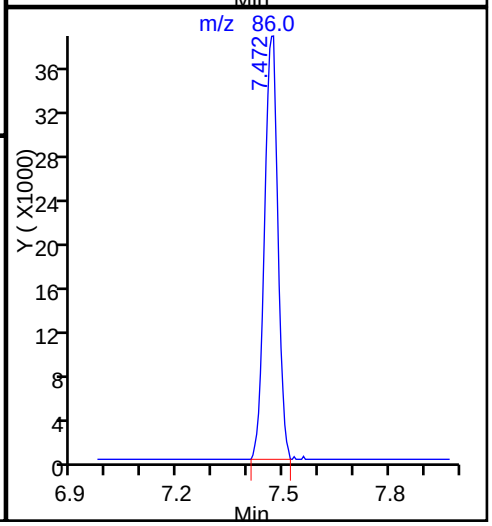


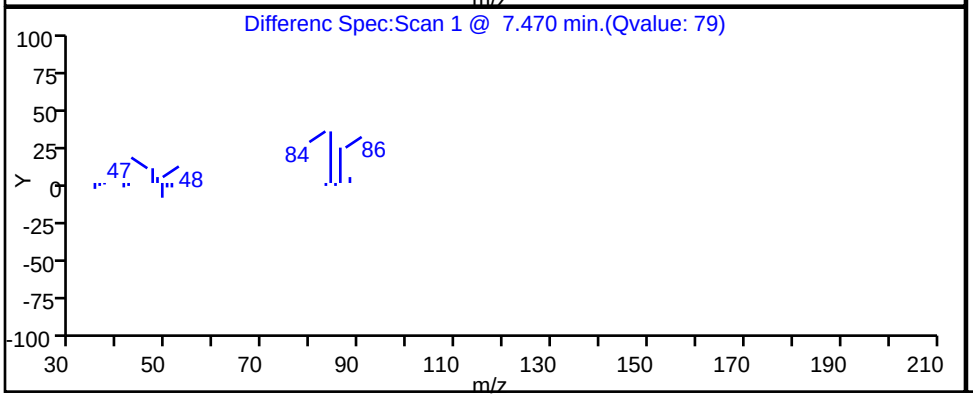












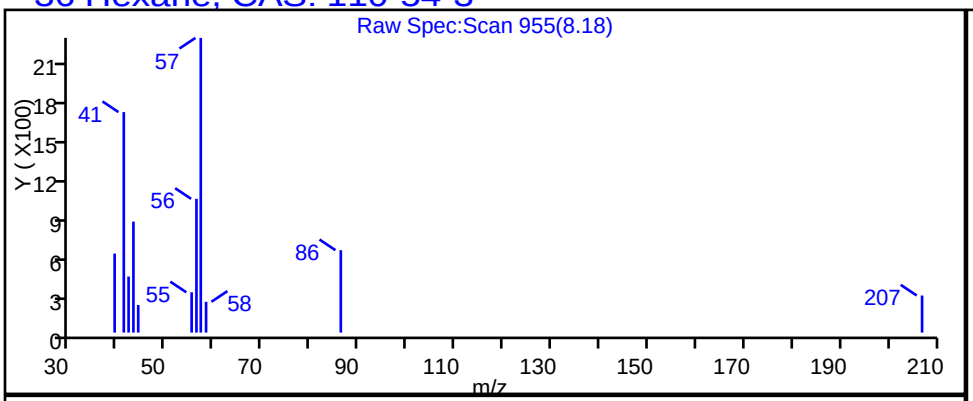
Report Date: 16-Oct-2014 11:43:55 Chrom Revision: 2.2 07-Oct-2014 12:16:06

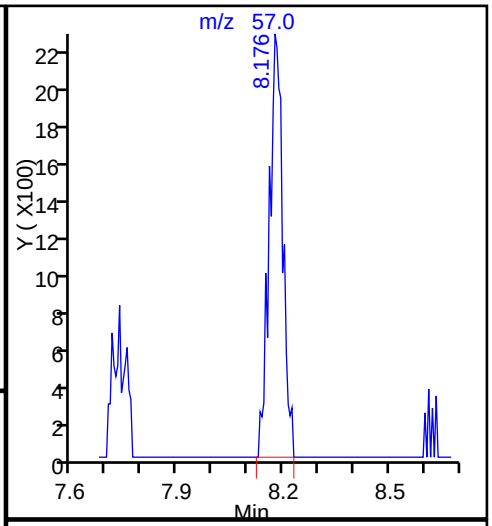
TestAmerica Burlington

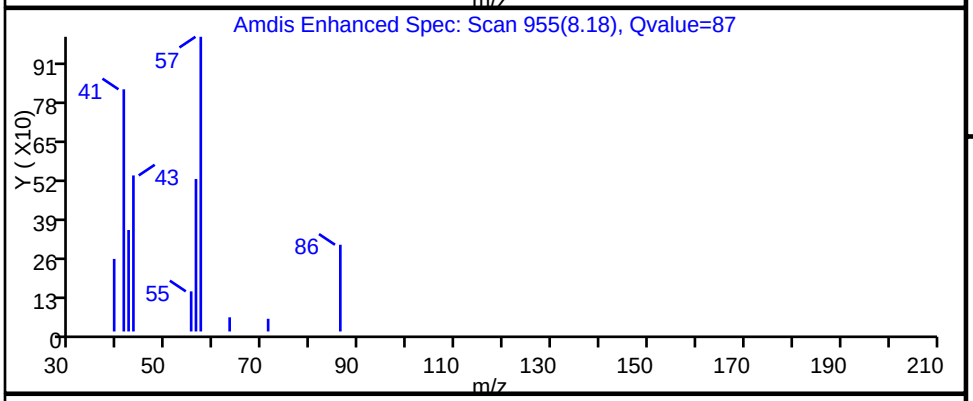
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

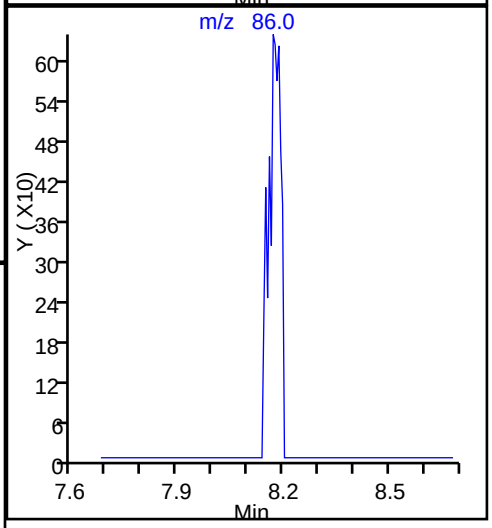
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

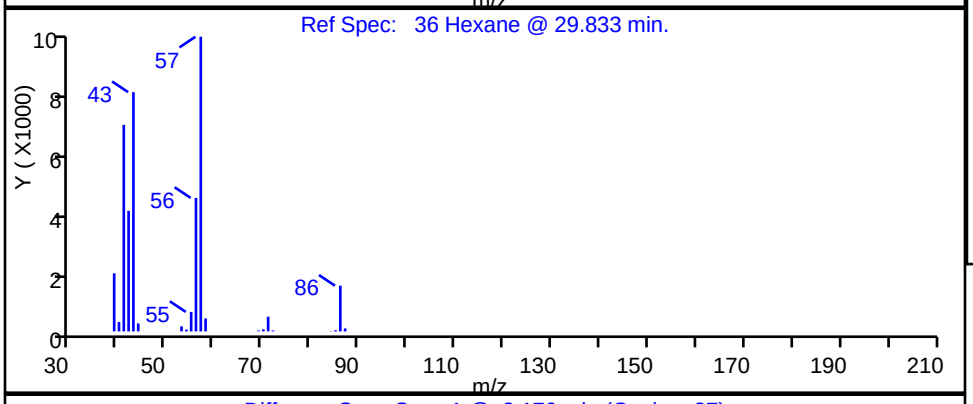
36 Hexane, CAS: 110-54-3

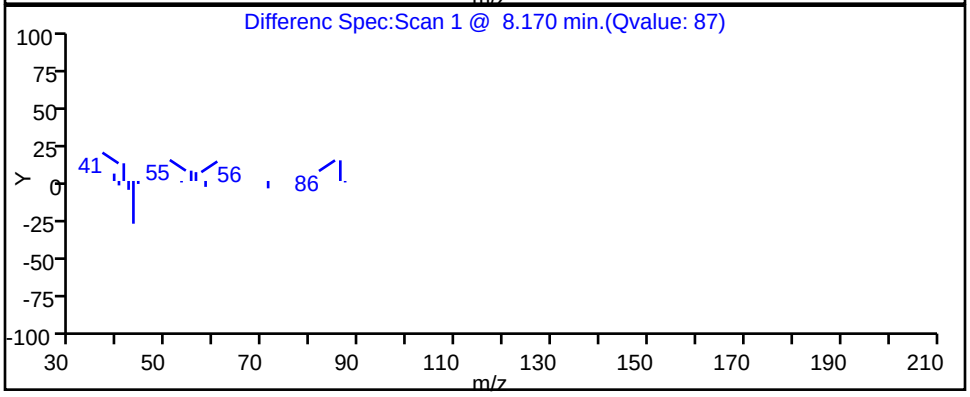












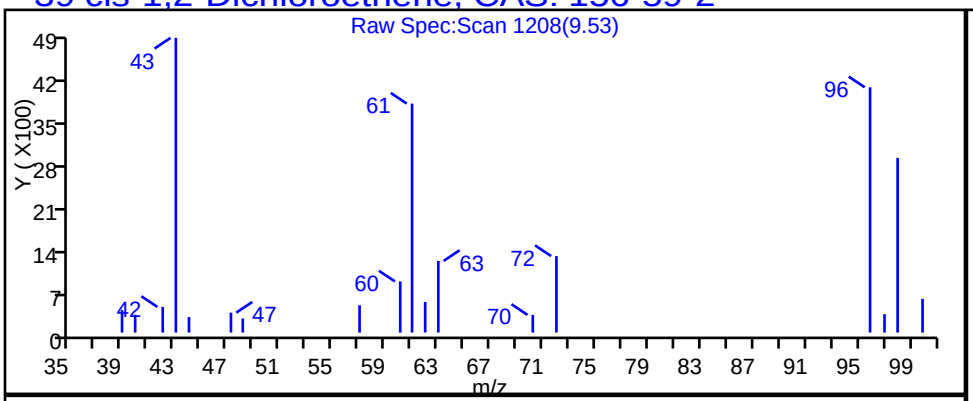
Report Date: 16-Oct-2014 11:43:55 Chrom Revision: 2.2 07-Oct-2014 12:16:06

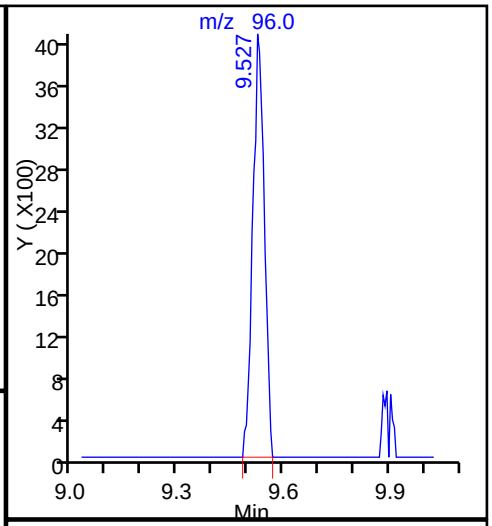
TestAmerica Burlington

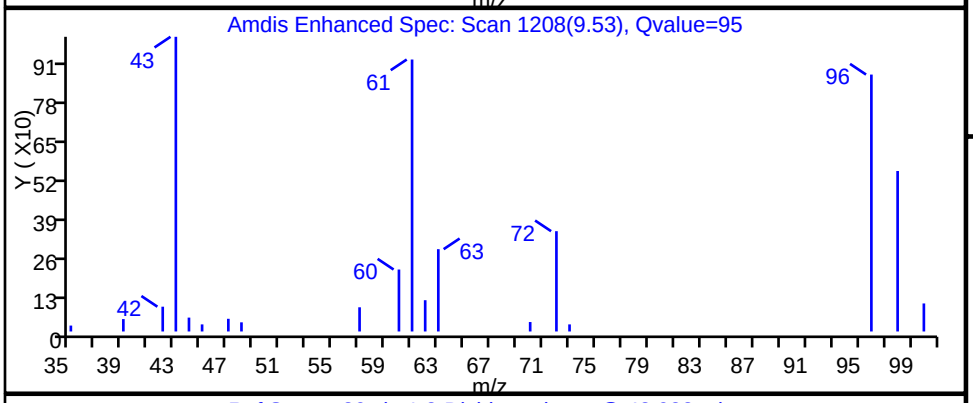
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

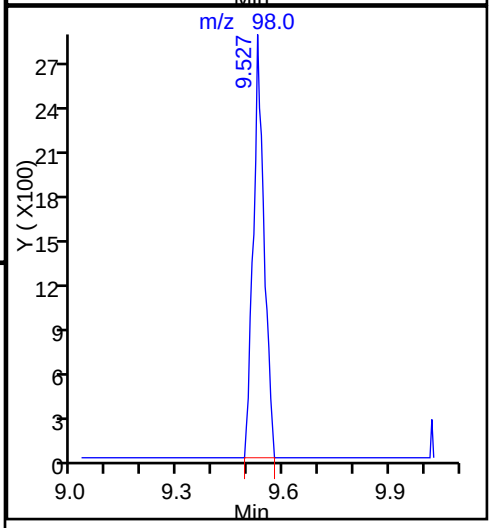
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

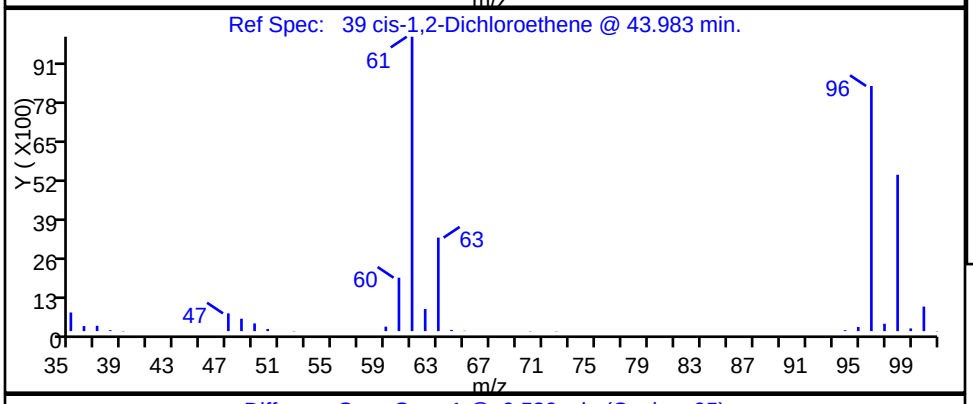
39 cis-1,2-Dichloroethene, CAS: 156-59-2

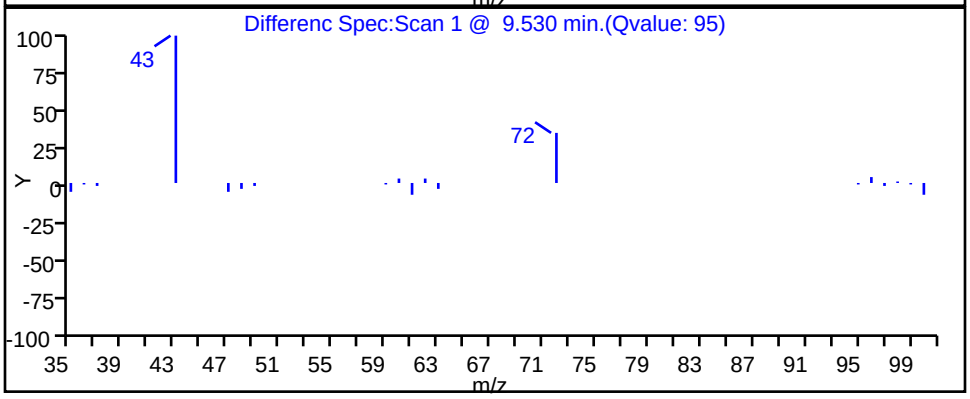












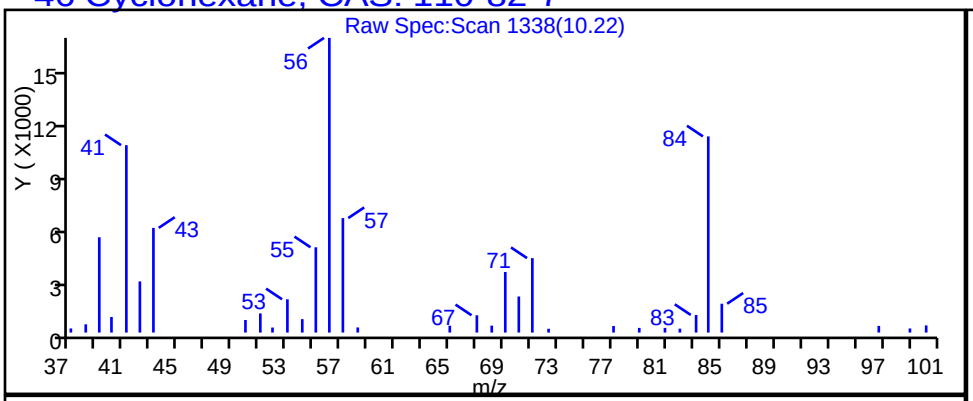
Report Date: 16-Oct-2014 11:43:55 Chrom Revision: 2.2 07-Oct-2014 12:16:06

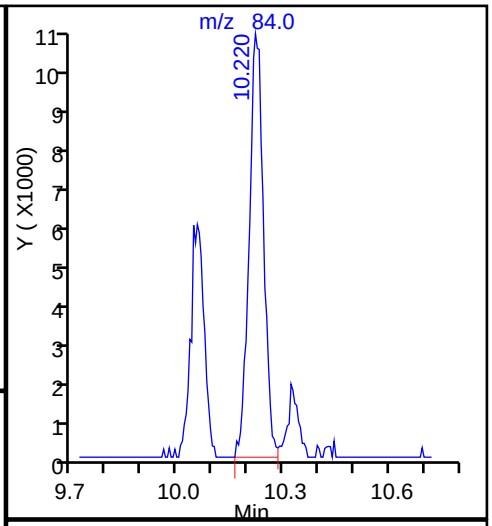
TestAmerica Burlington

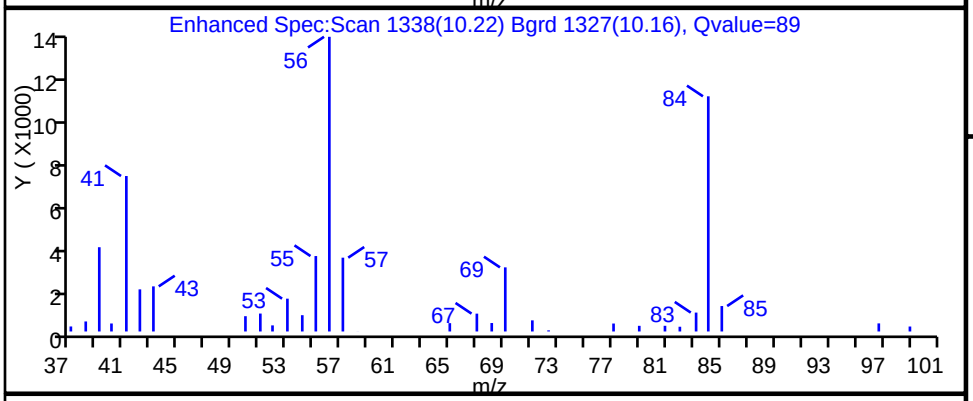
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

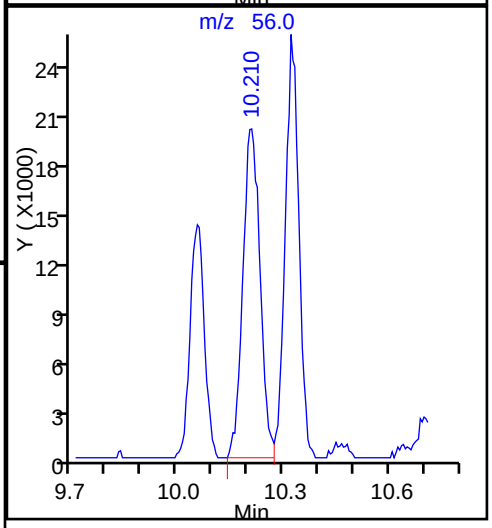
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

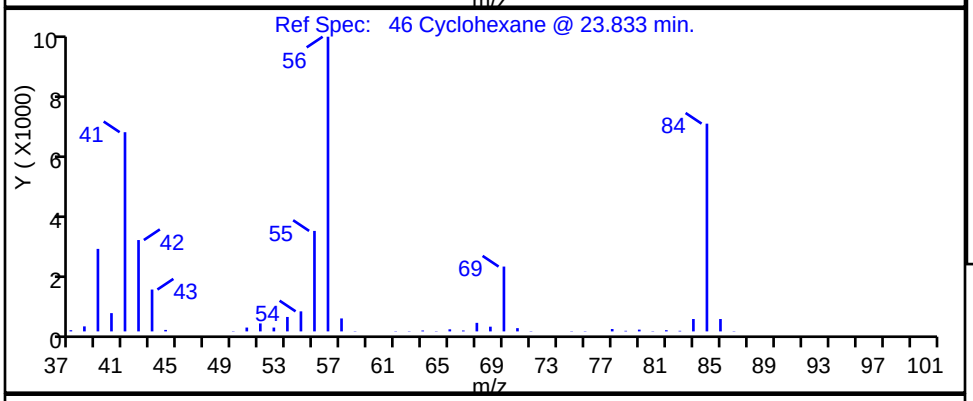
46 Cyclohexane, CAS: 110-82-7

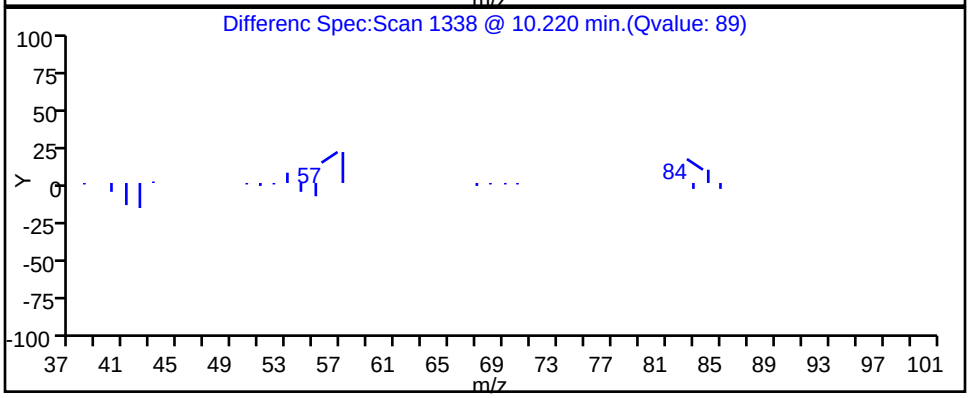












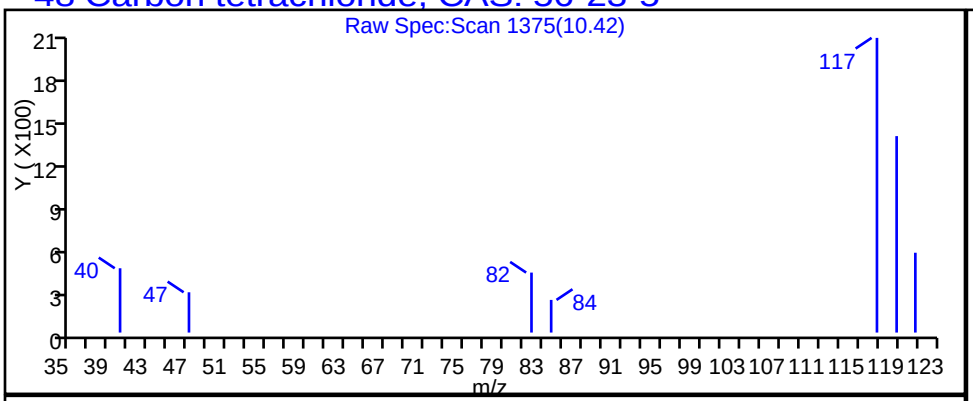
Report Date: 16-Oct-2014 11:43:55 Chrom Revision: 2.2 07-Oct-2014 12:16:06

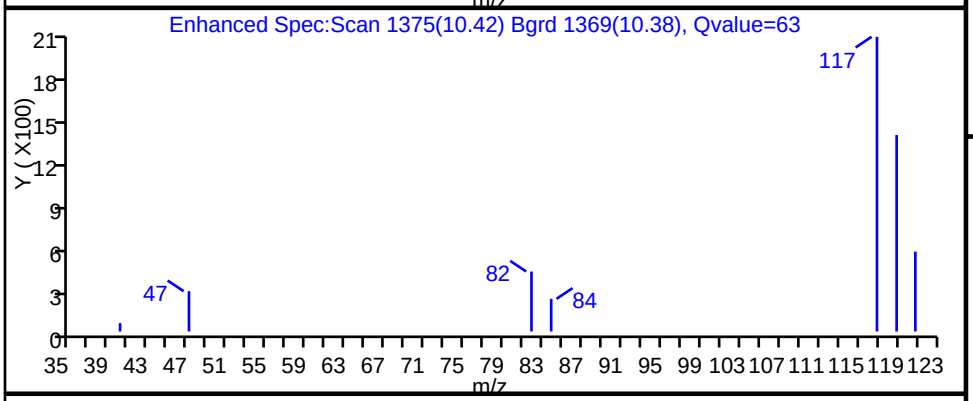
TestAmerica Burlington

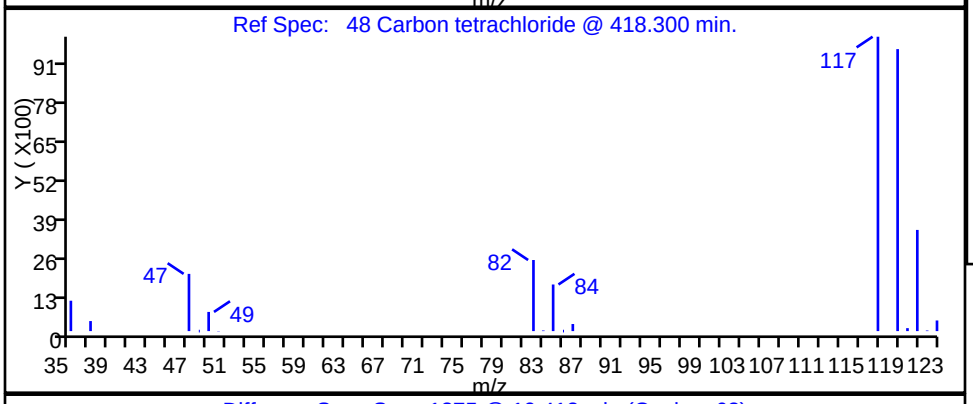
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

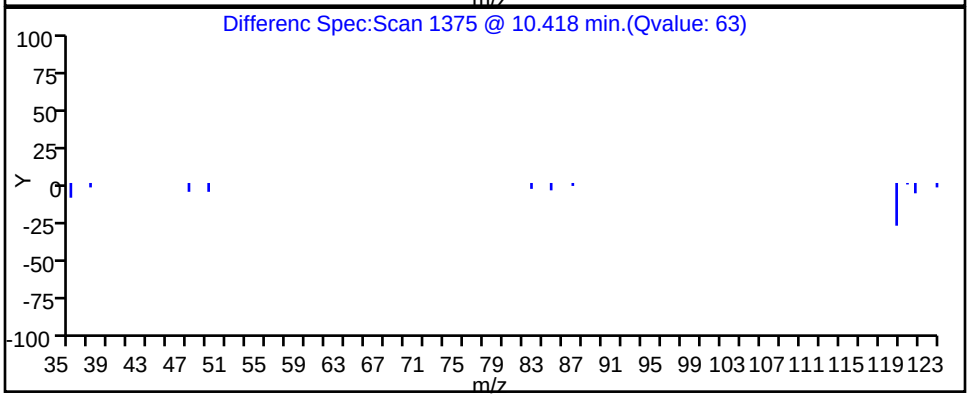
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

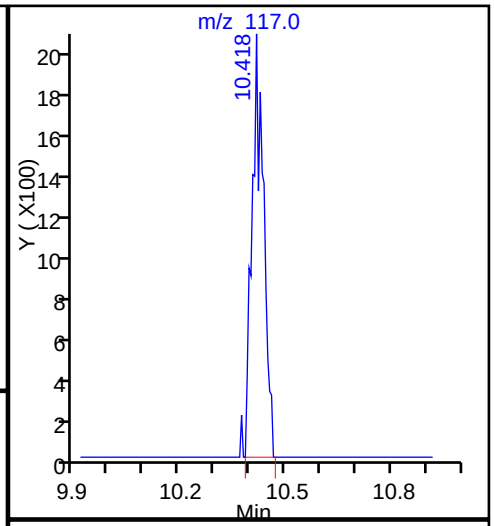
48 Carbon tetrachloride, CAS: 56-23-5

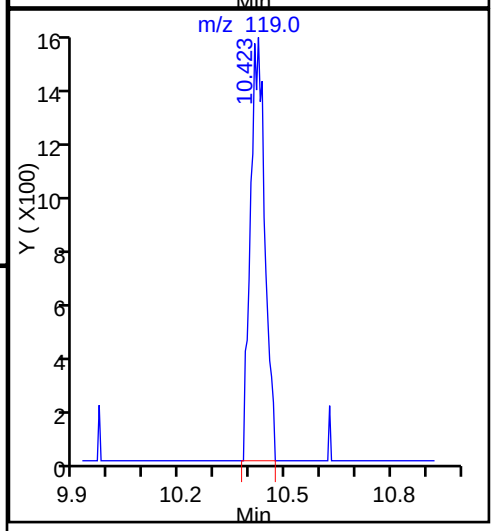












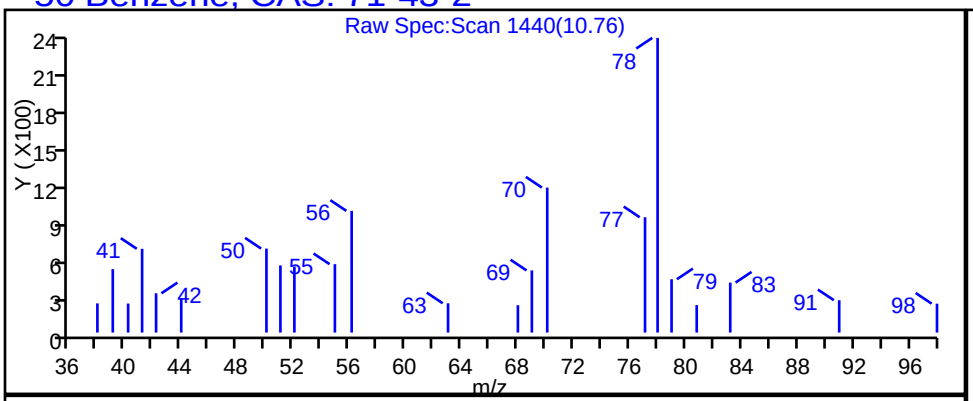
Report Date: 16-Oct-2014 11:43:55 Chrom Revision: 2.2 07-Oct-2014 12:16:06

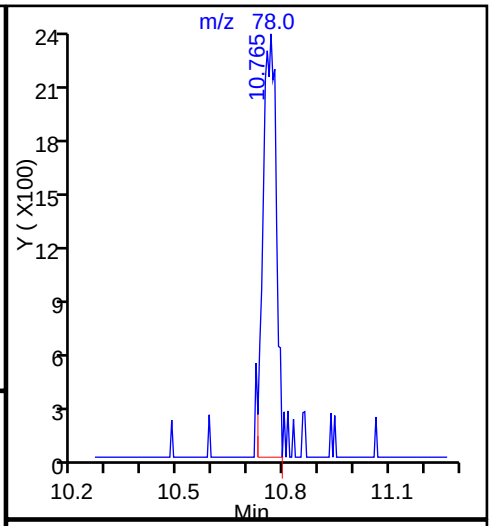
TestAmerica Burlington

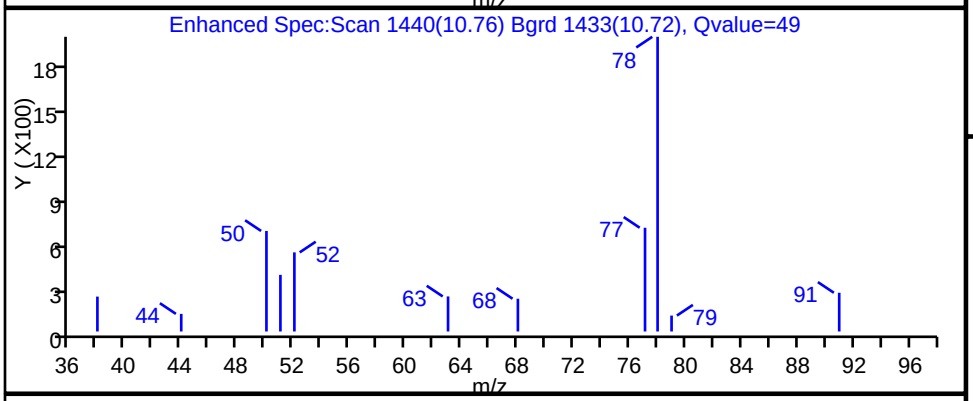
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

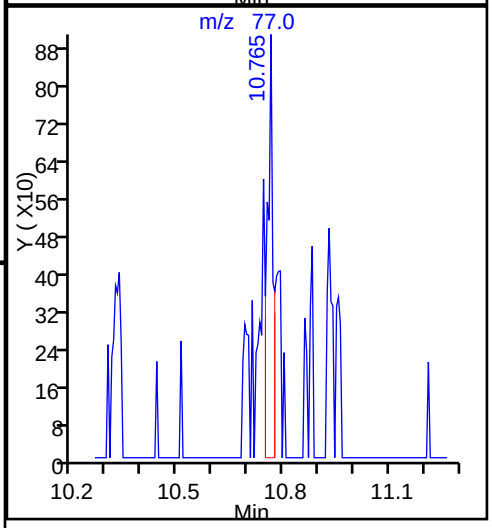
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

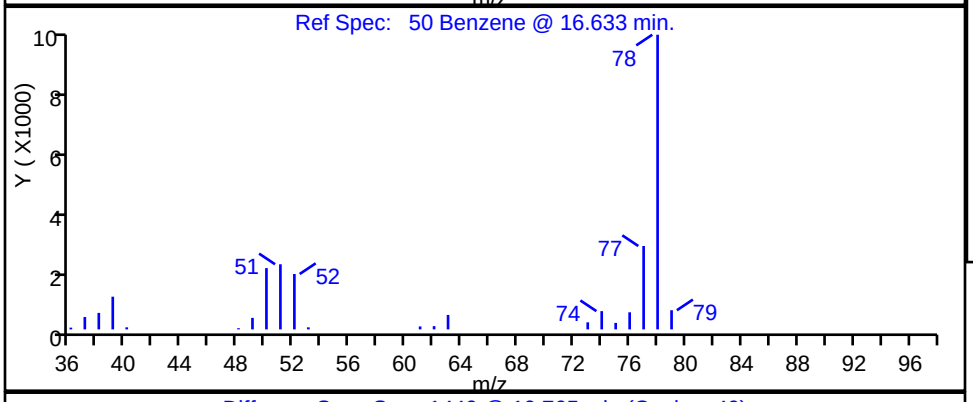
50 Benzene, CAS: 71-43-2

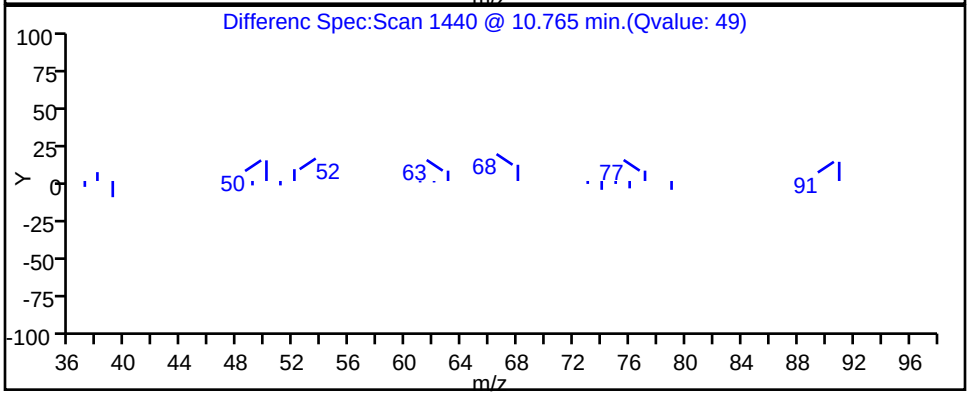












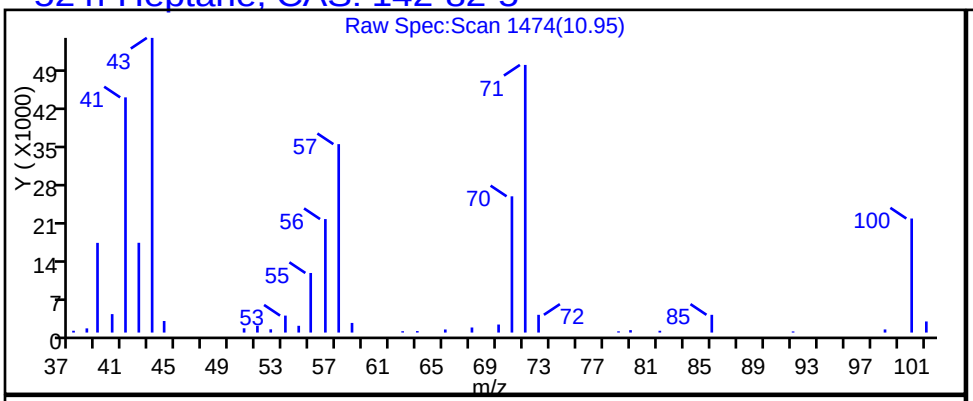
Report Date: 16-Oct-2014 11:43:55 Chrom Revision: 2.2 07-Oct-2014 12:16:06

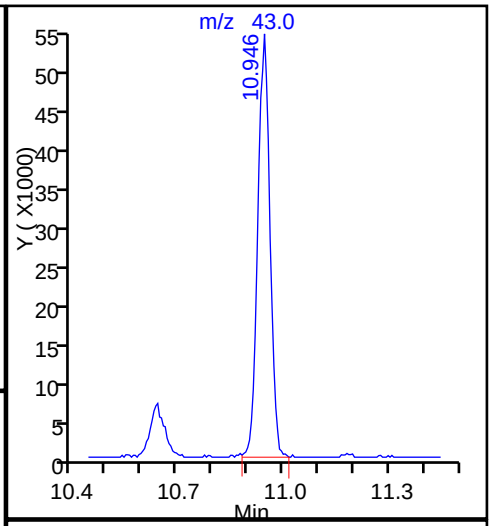
TestAmerica Burlington

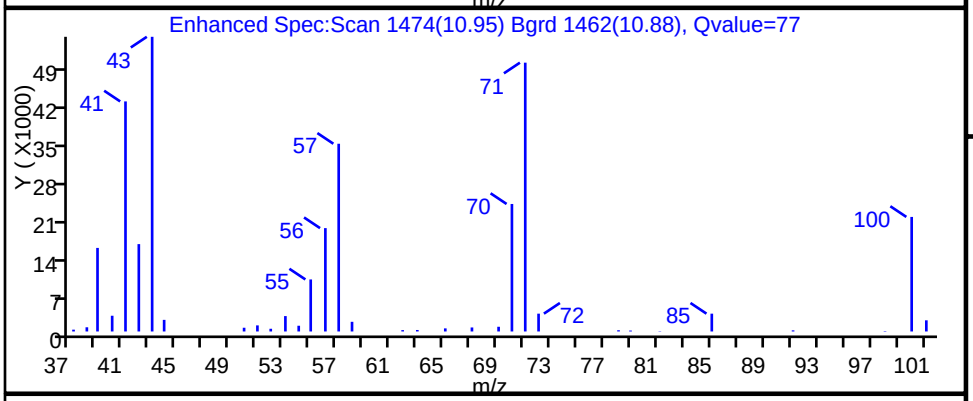
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

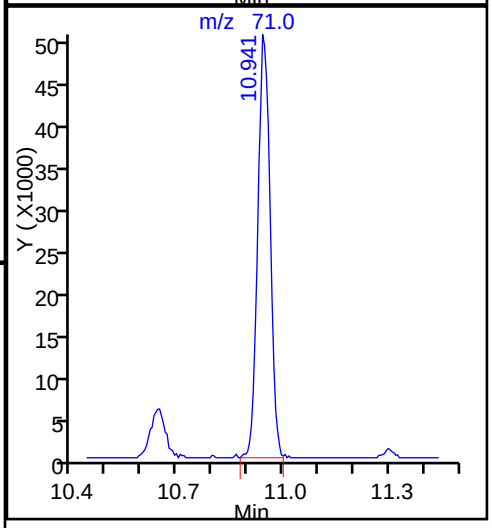
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

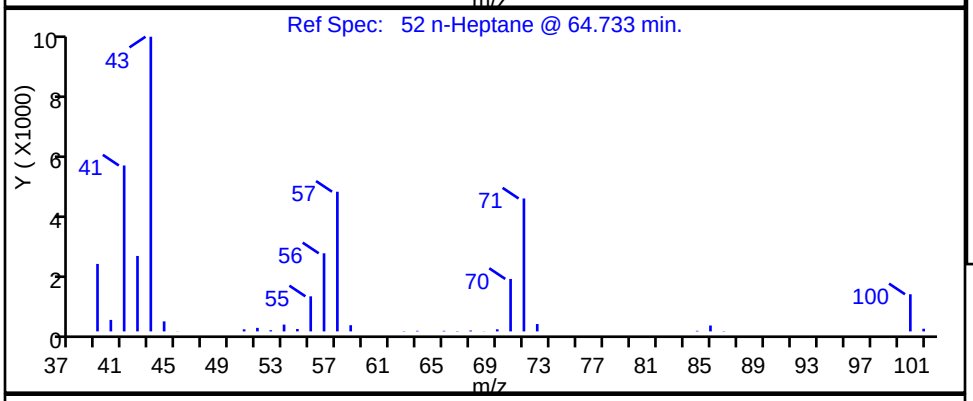
52 n-Heptane, CAS: 142-82-5

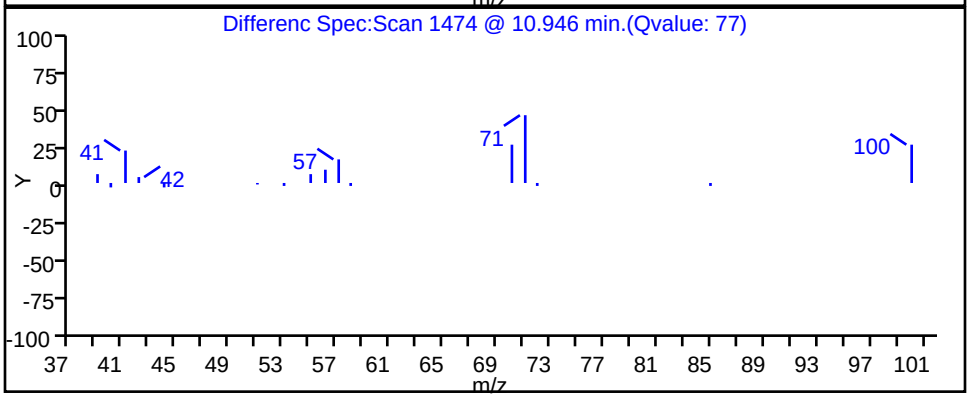












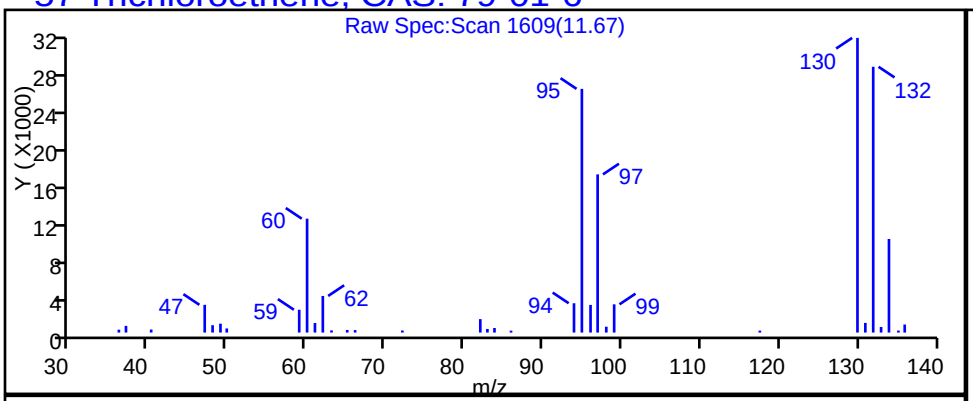
Report Date: 16-Oct-2014 11:43:56 Chrom Revision: 2.2 07-Oct-2014 12:16:06

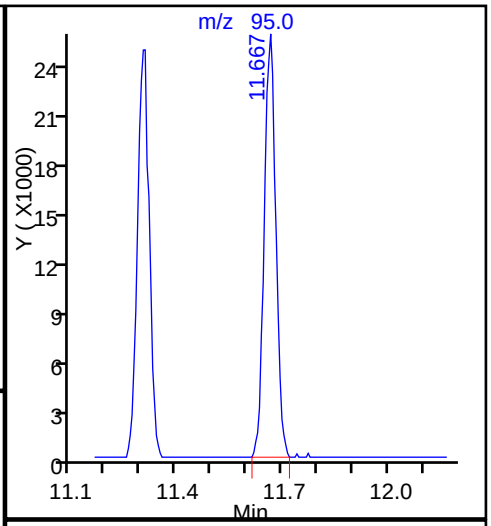
TestAmerica Burlington

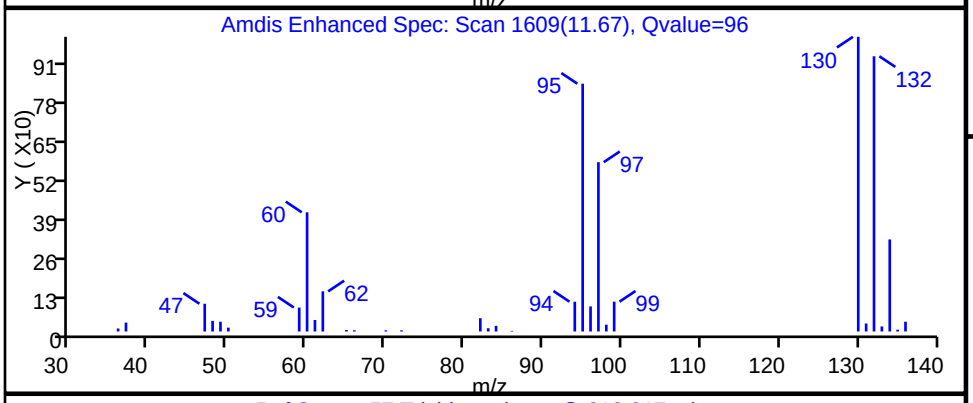
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

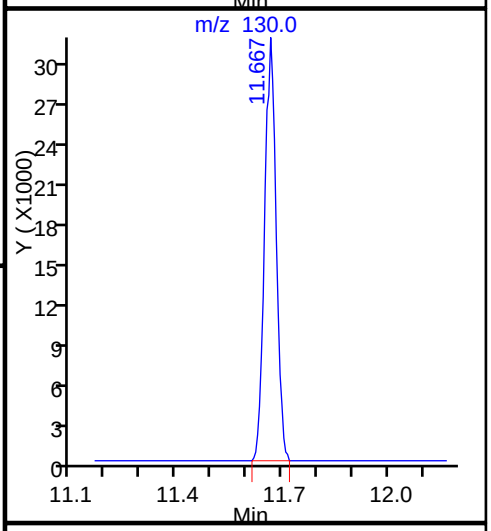
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

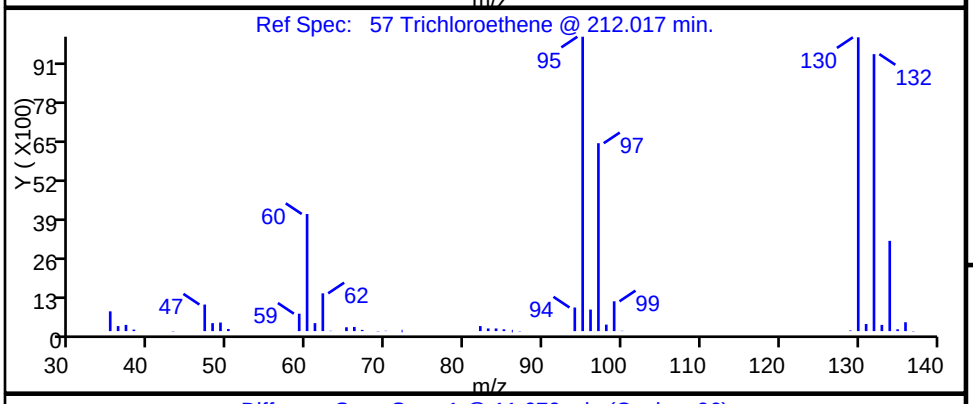
57 Trichloroethene, CAS: 79-01-6

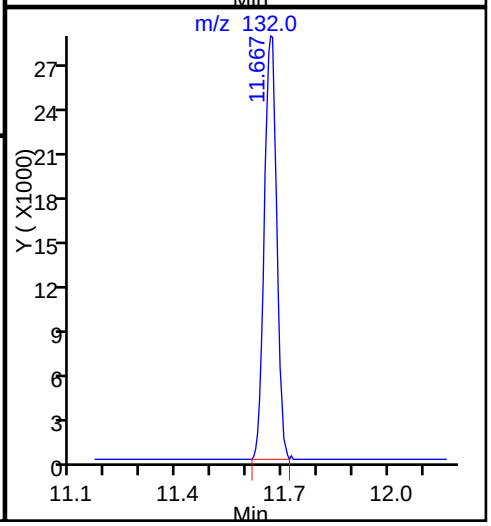


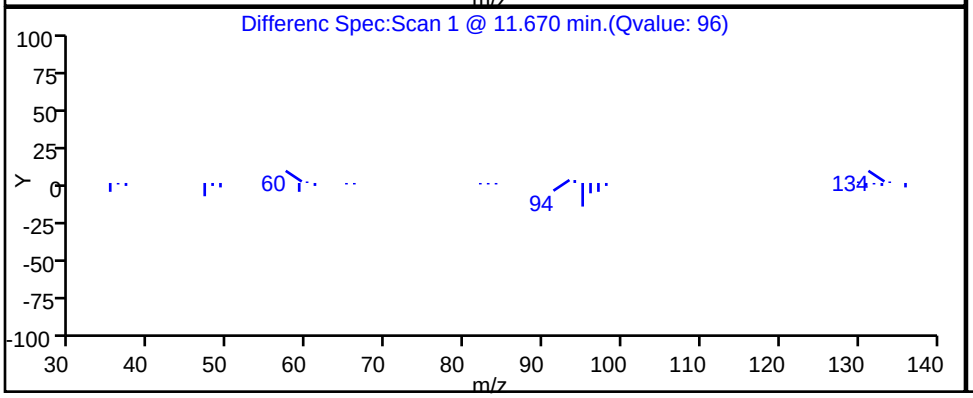












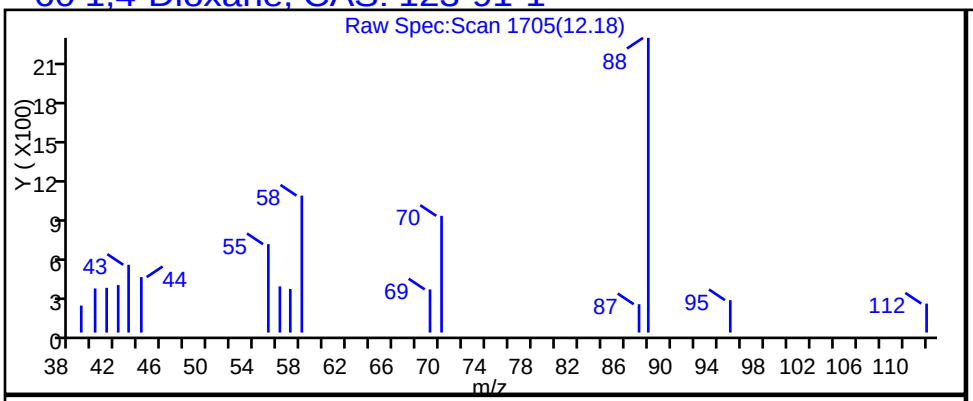
Report Date: 16-Oct-2014 11:43:56 Chrom Revision: 2.2 07-Oct-2014 12:16:06

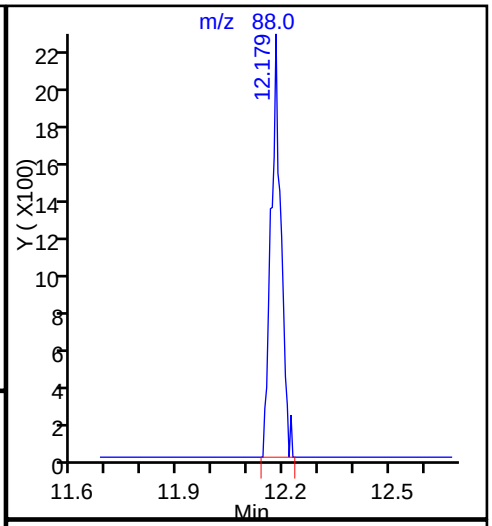
TestAmerica Burlington

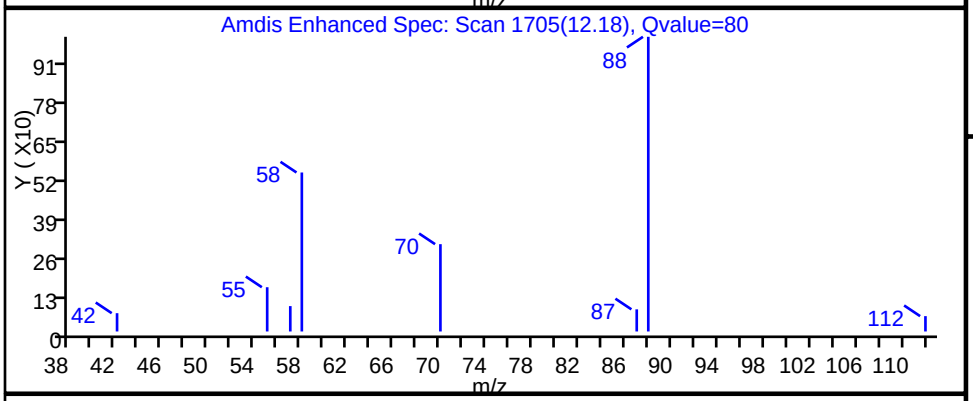
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

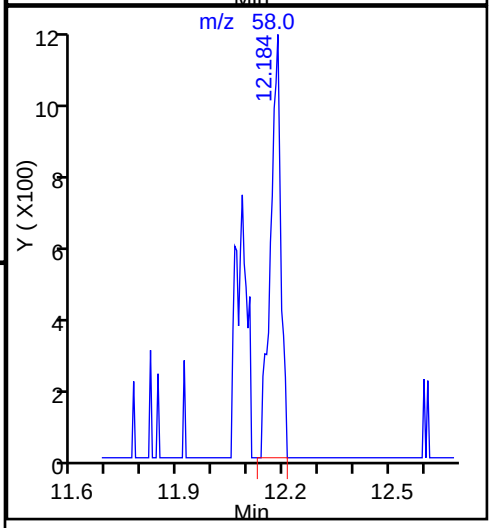
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

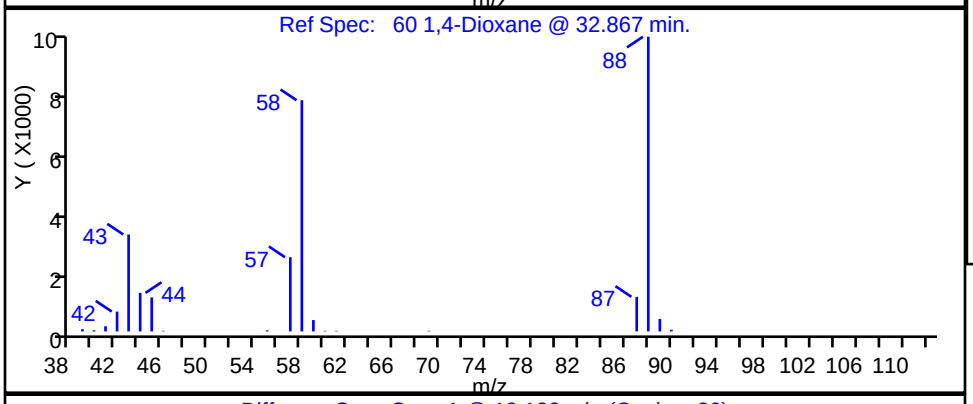
60 1,4-Dioxane, CAS: 123-91-1

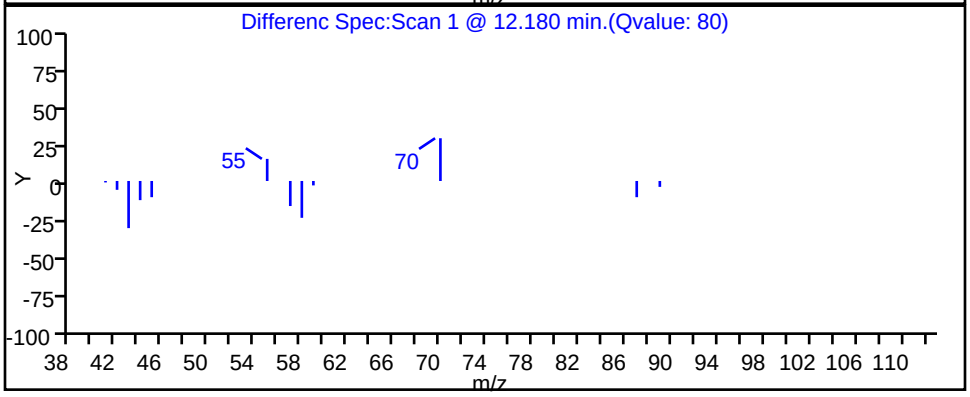












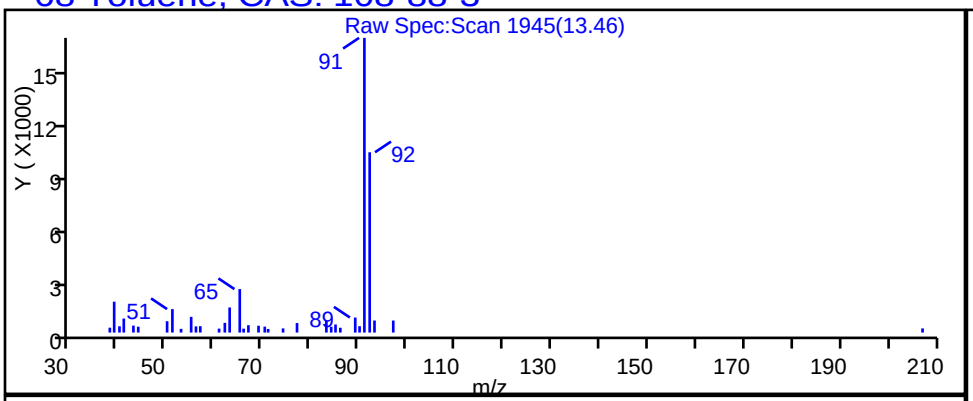
Report Date: 16-Oct-2014 11:43:56 Chrom Revision: 2.2 07-Oct-2014 12:16:06

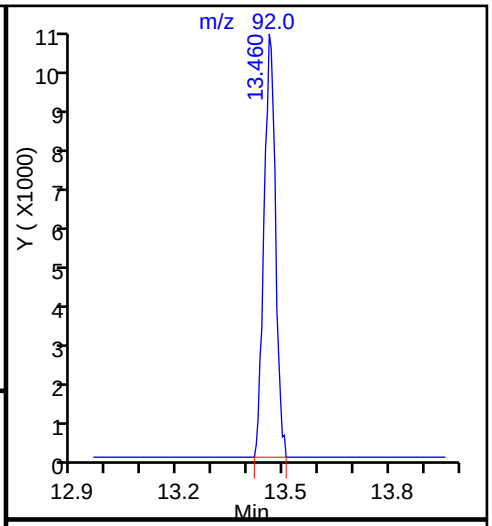
TestAmerica Burlington

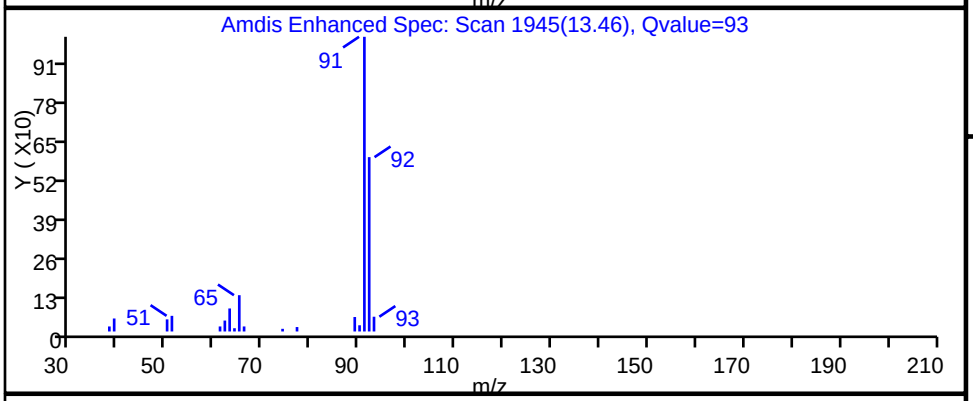
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

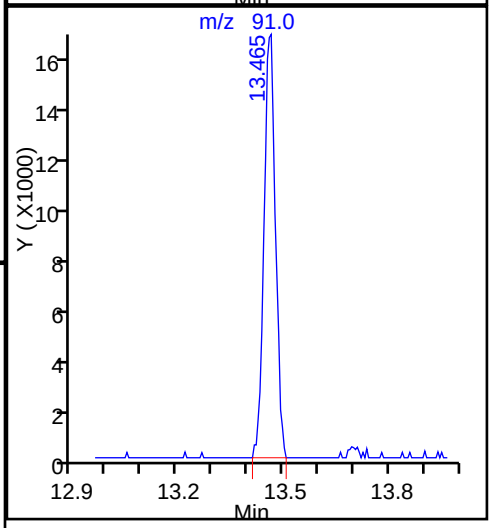
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

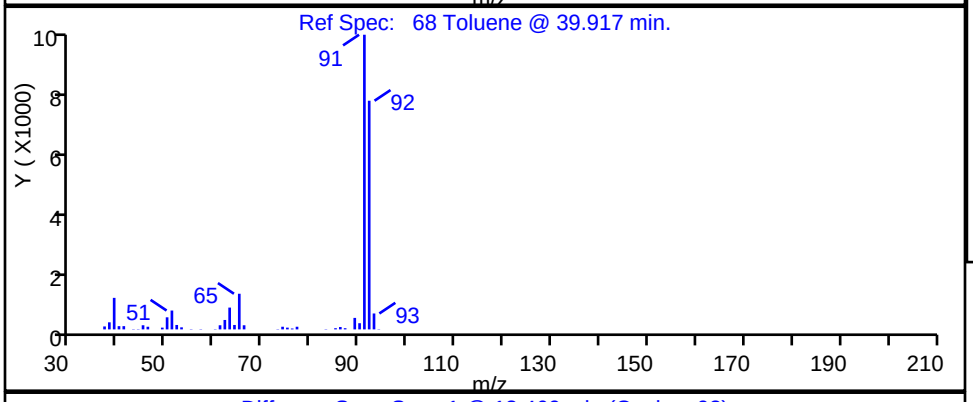
68 Toluene, CAS: 108-88-3

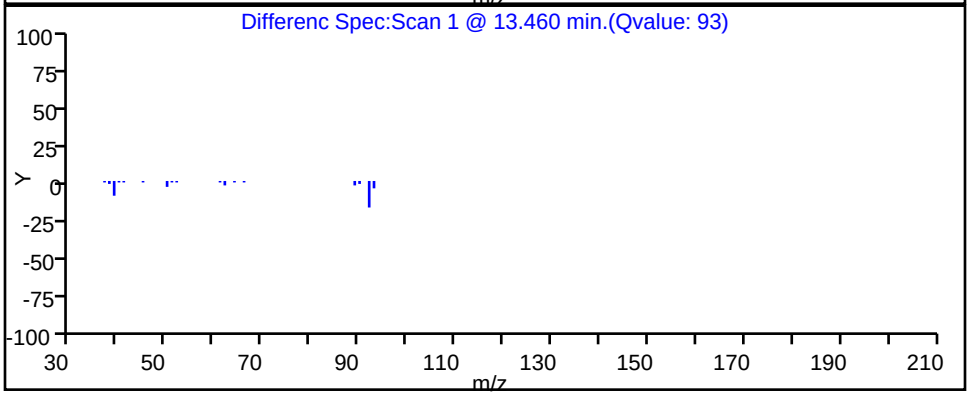












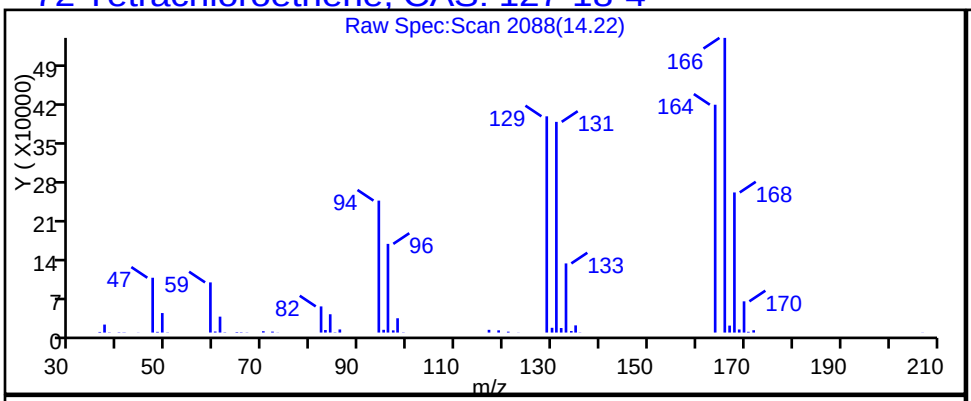
Report Date: 16-Oct-2014 11:43:56 Chrom Revision: 2.2 07-Oct-2014 12:16:06

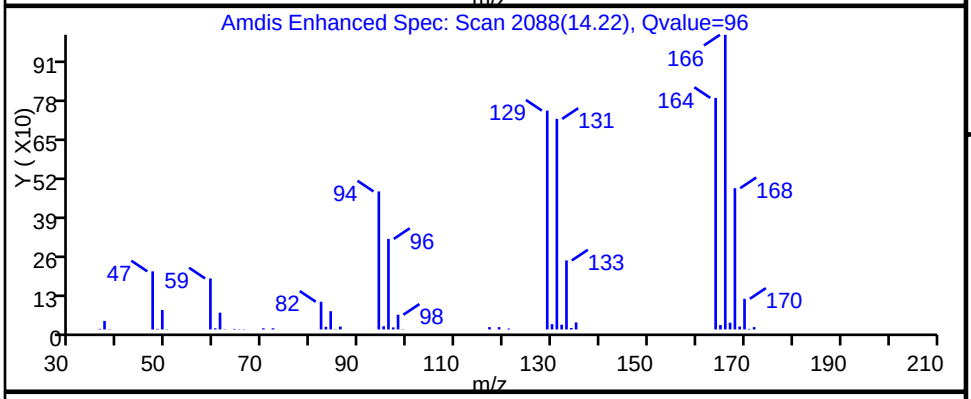
TestAmerica Burlington

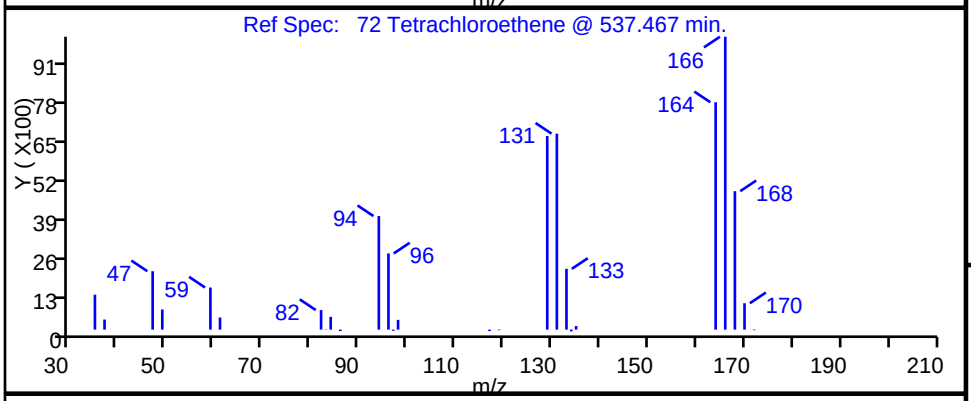
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

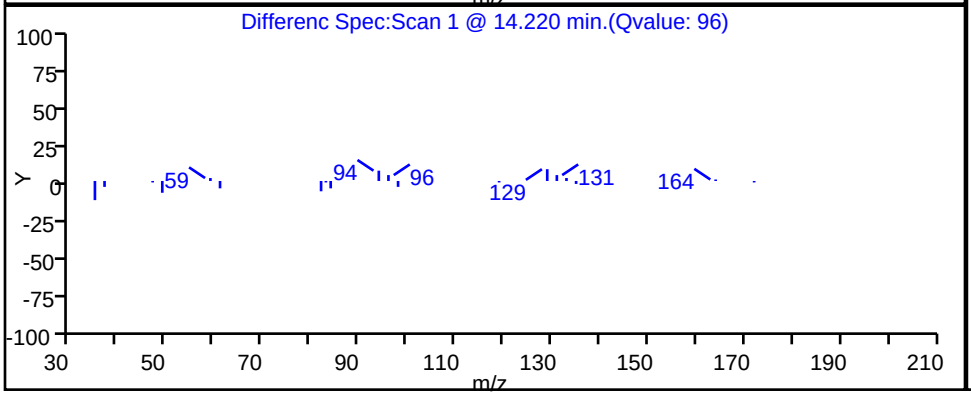
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4
Client ID:	SDS-4		
Operator ID:	pad	ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

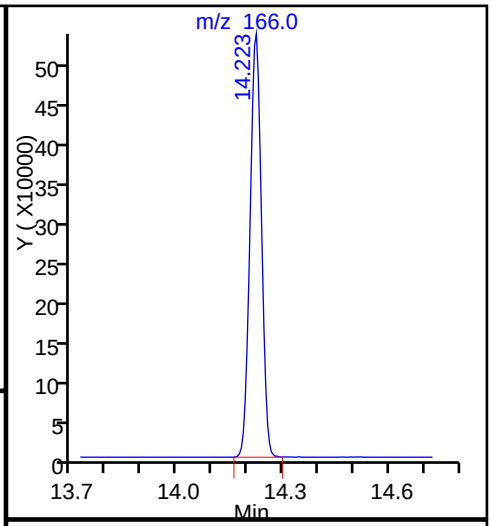
72 Tetrachloroethene, CAS: 127-18-4

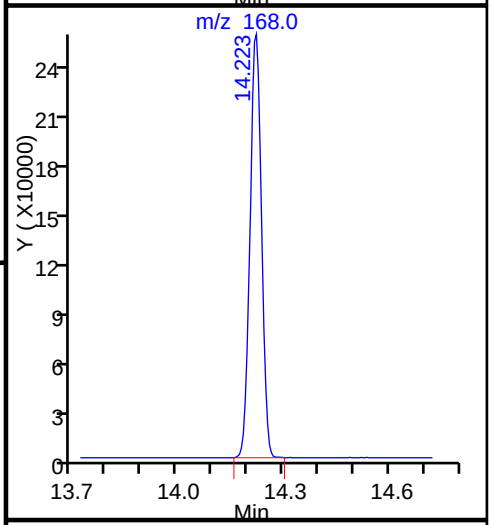


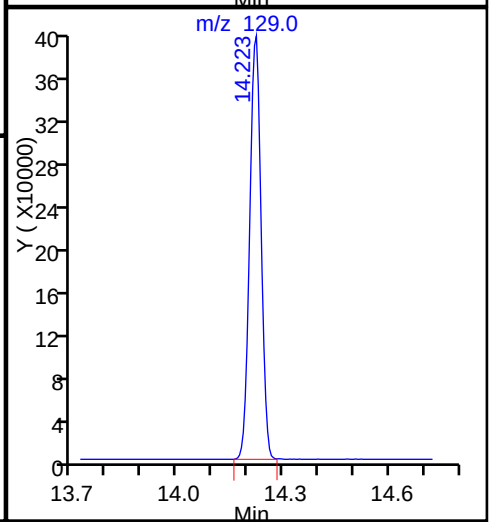












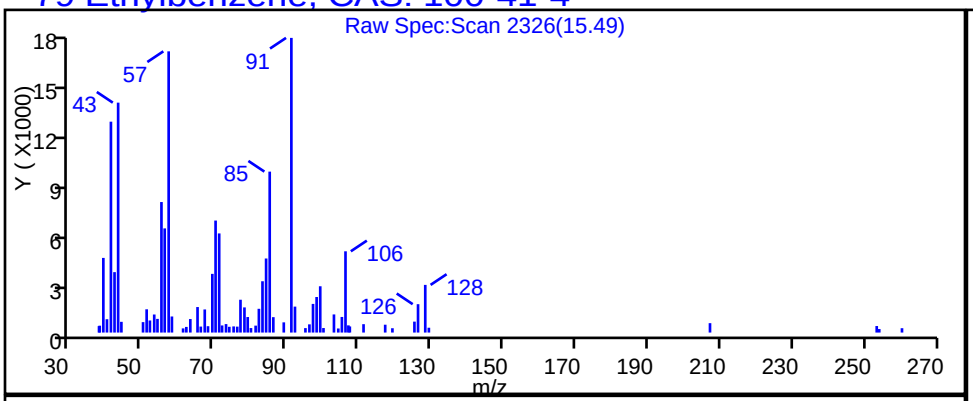
Report Date: 16-Oct-2014 11:43:56 Chrom Revision: 2.2 07-Oct-2014 12:16:06

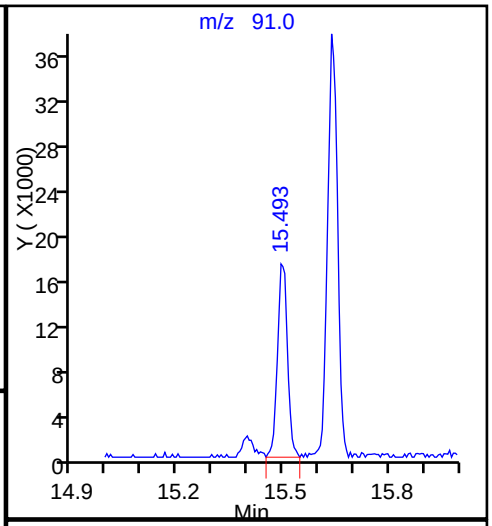
TestAmerica Burlington

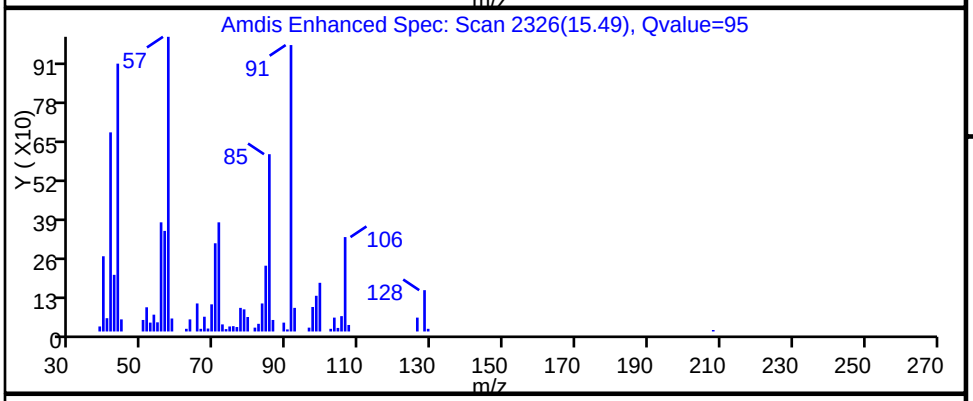
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

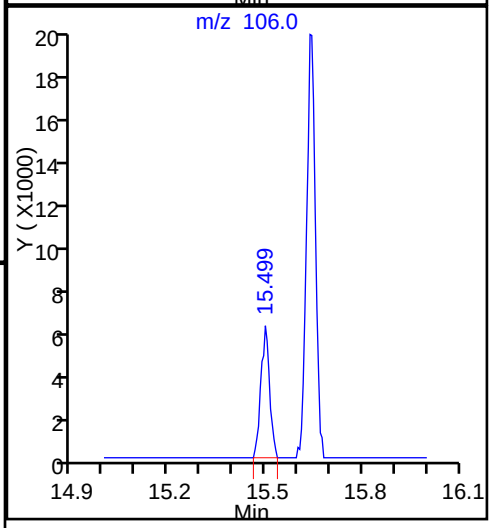
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4
Client ID:	SDS-4		
Operator ID:	pad	ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

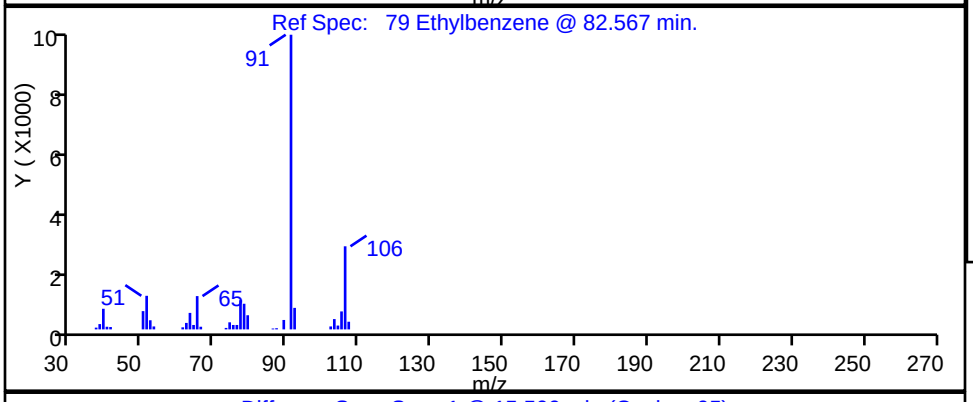
79 Ethylbenzene, CAS: 100-41-4

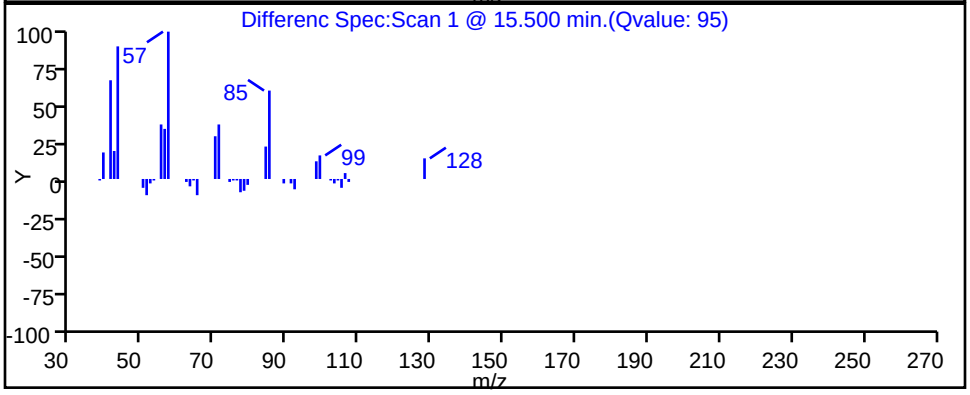










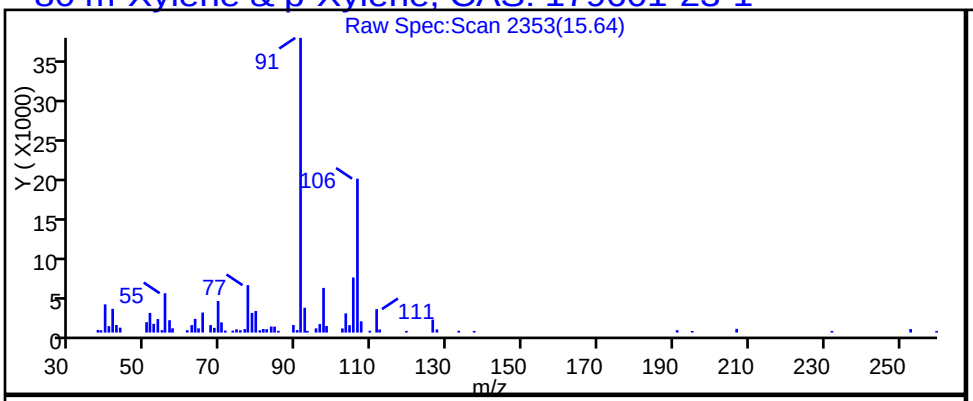


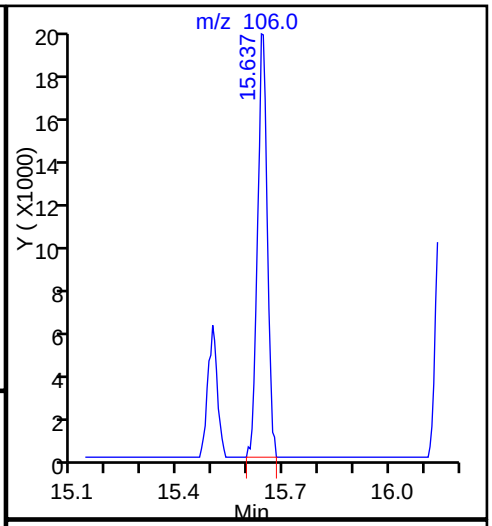
Report Date: 16-Oct-2014 11:43:56 Chrom Revision: 2.2 07-Oct-2014 12:16:06

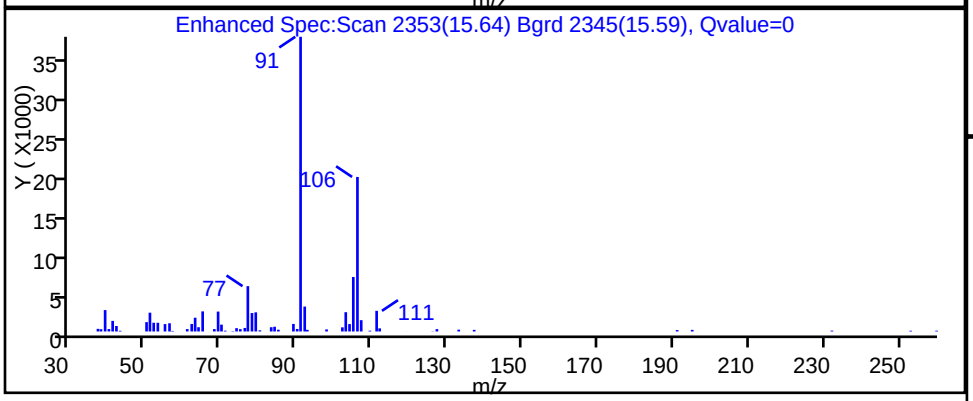
TestAmerica Burlington

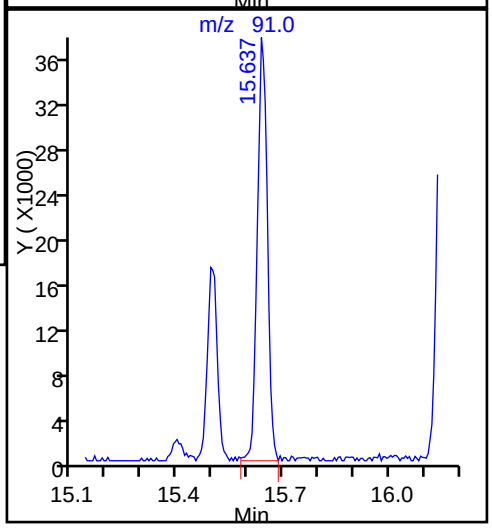
Data File:	\\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D				
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1









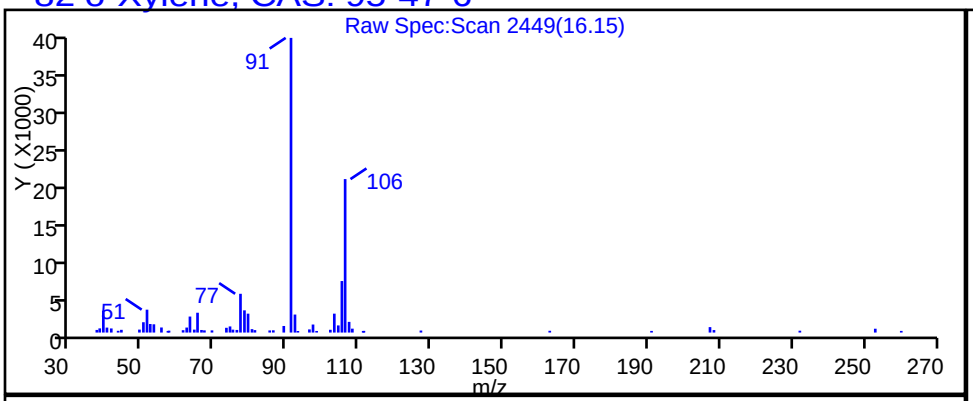
Report Date: 16-Oct-2014 11:43:56 Chrom Revision: 2.2 07-Oct-2014 12:16:06

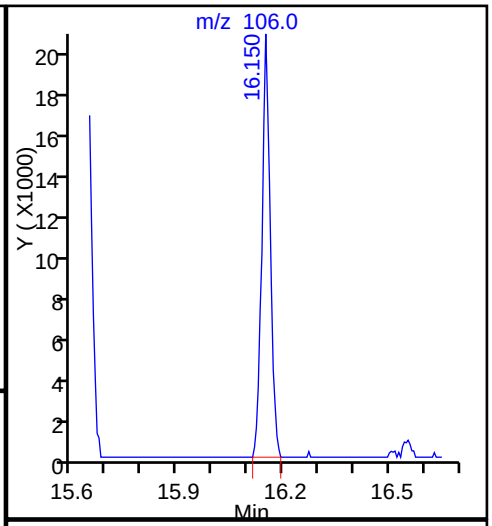
TestAmerica Burlington

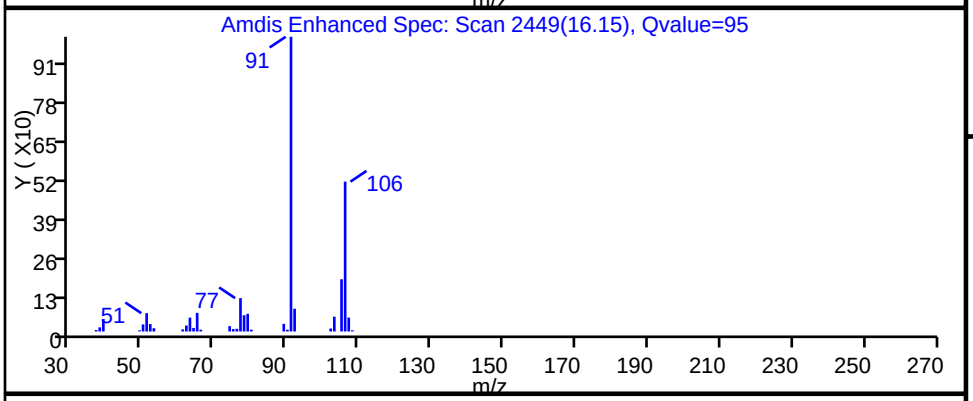
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

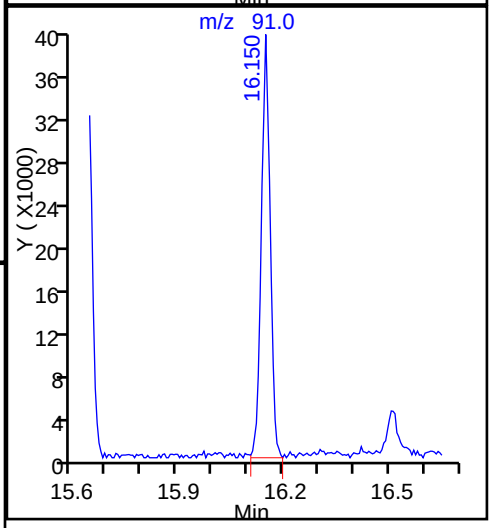
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

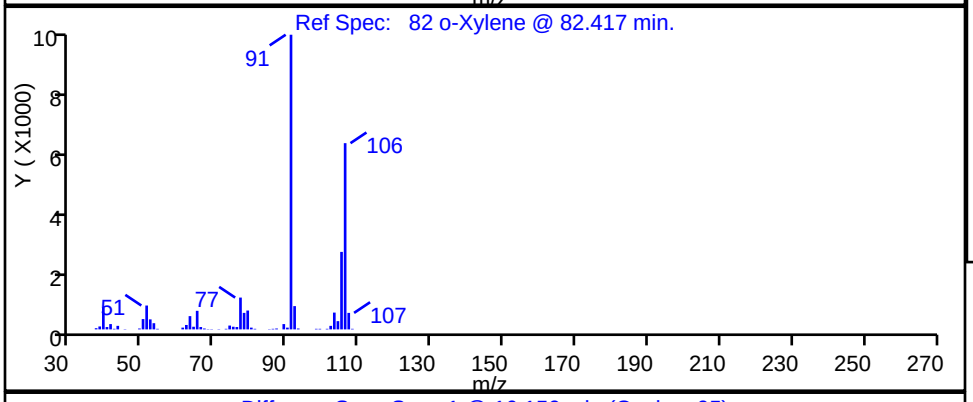
82 o-Xylene, CAS: 95-47-6

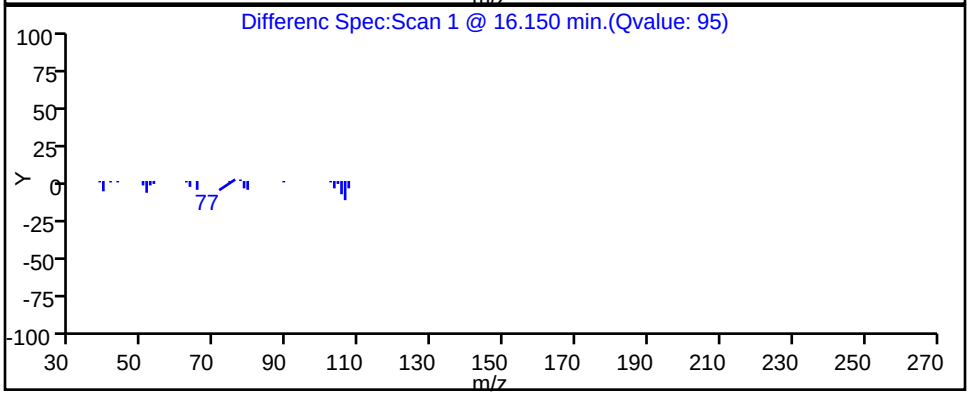












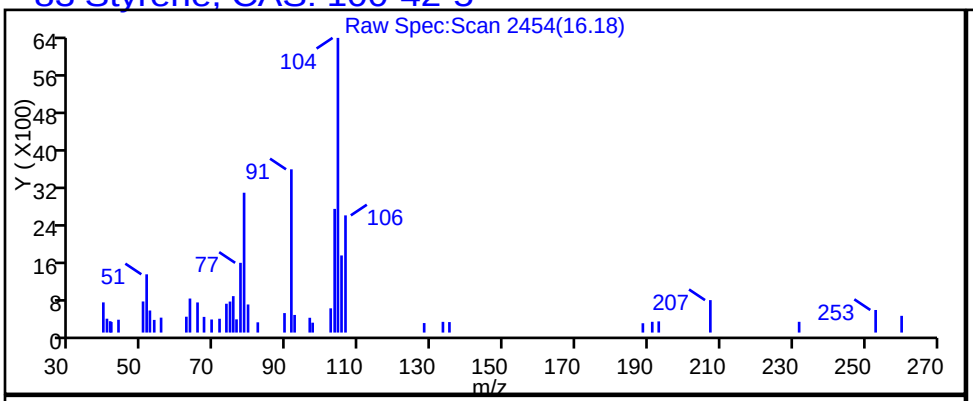
Report Date: 16-Oct-2014 11:43:56 Chrom Revision: 2.2 07-Oct-2014 12:16:06

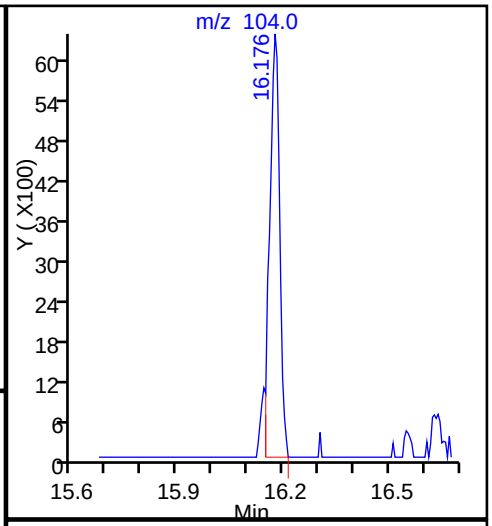
TestAmerica Burlington

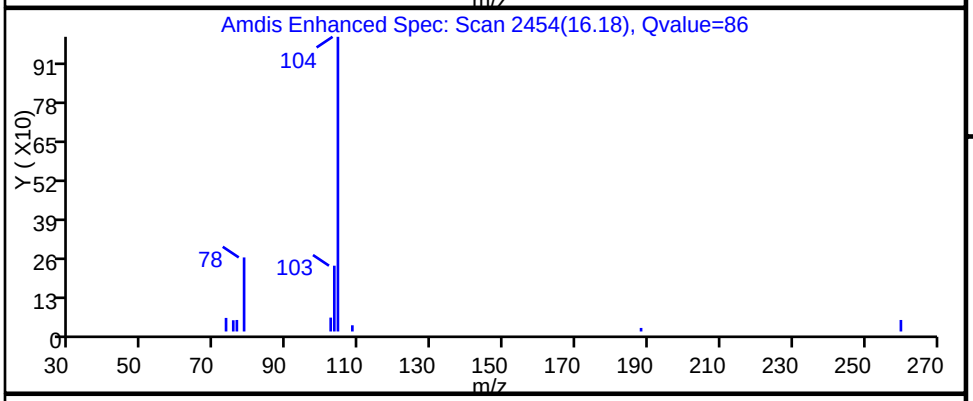
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

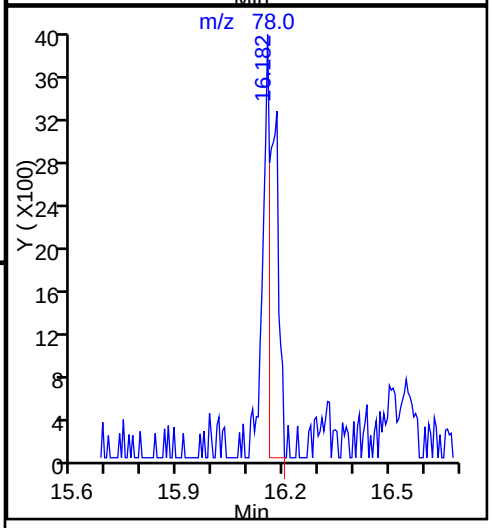
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

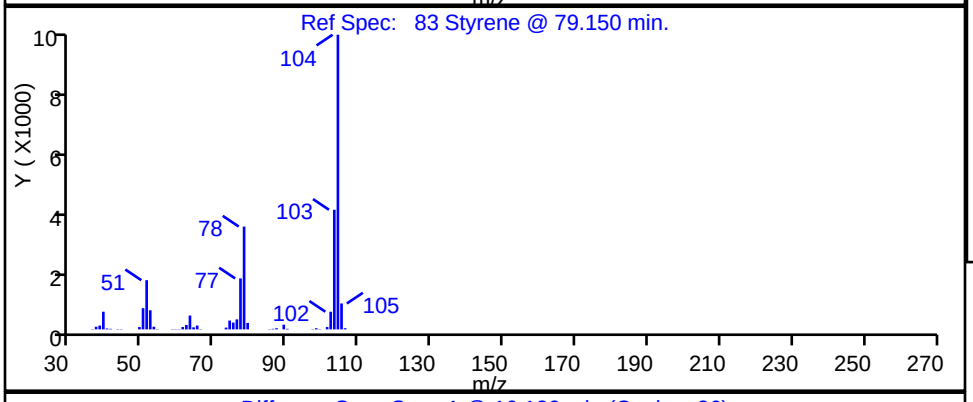
83 Styrene, CAS: 100-42-5

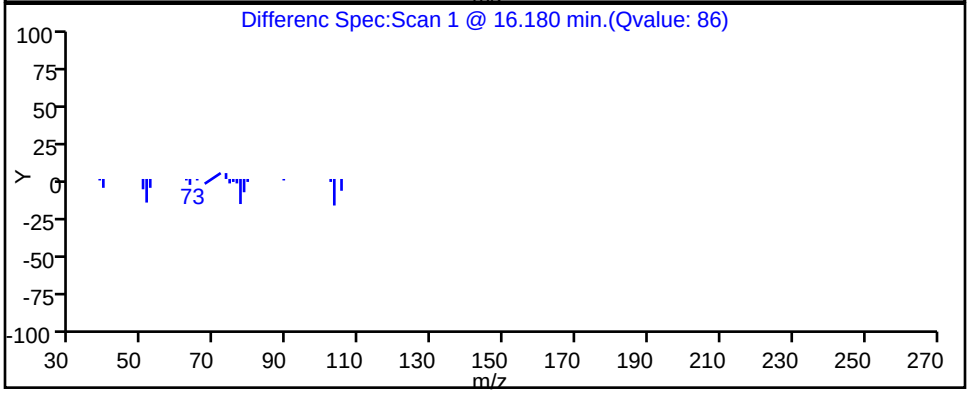












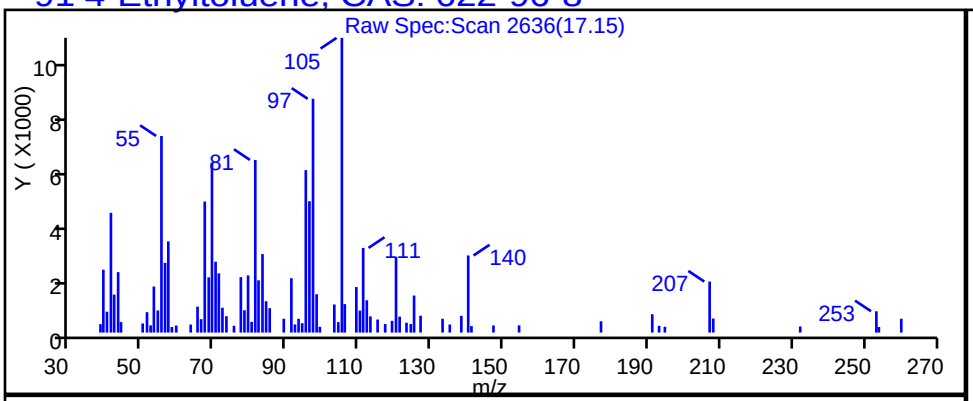
Report Date: 16-Oct-2014 11:43:56 Chrom Revision: 2.2 07-Oct-2014 12:16:06

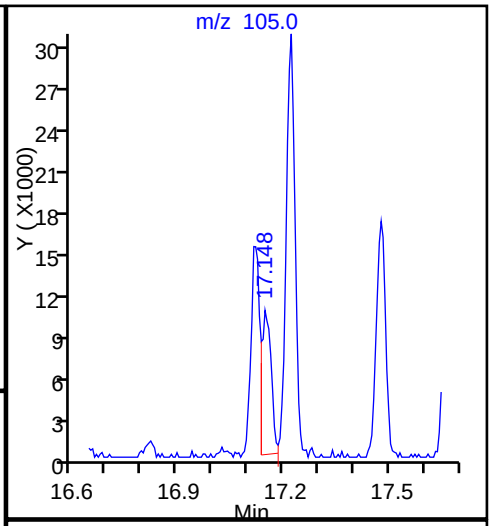
TestAmerica Burlington

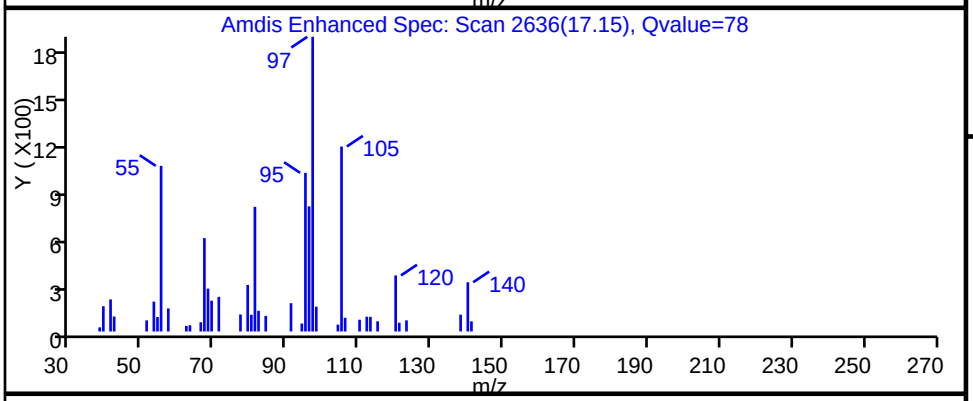
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

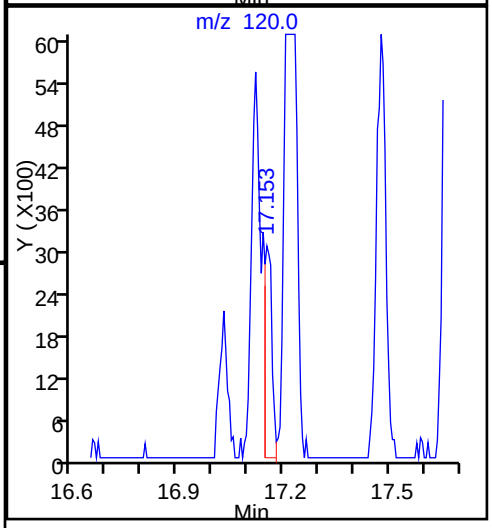
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4
Client ID:	SDS-4		
Operator ID:	pad	ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

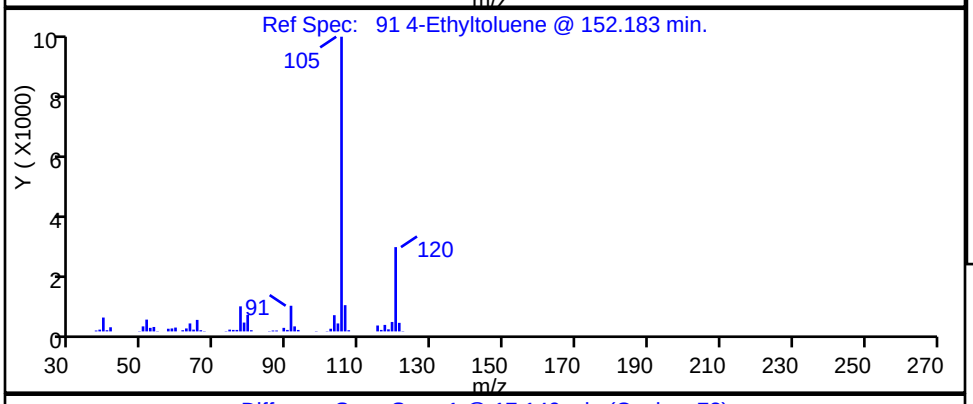
91 4-Ethyltoluene, CAS: 622-96-8

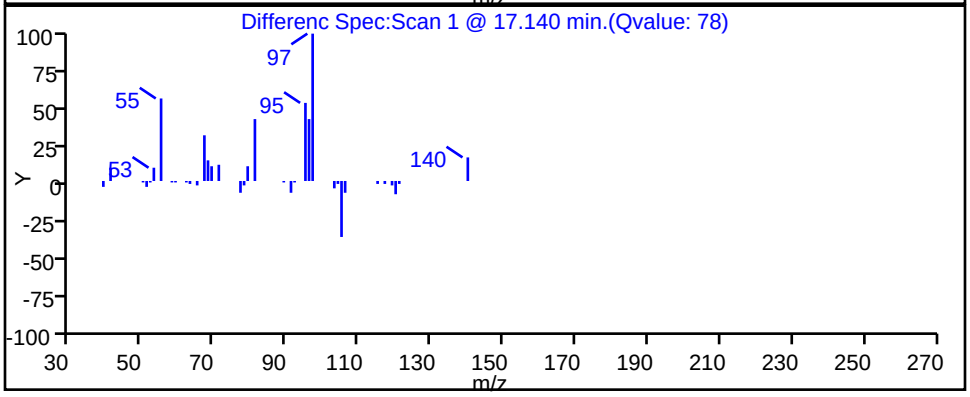












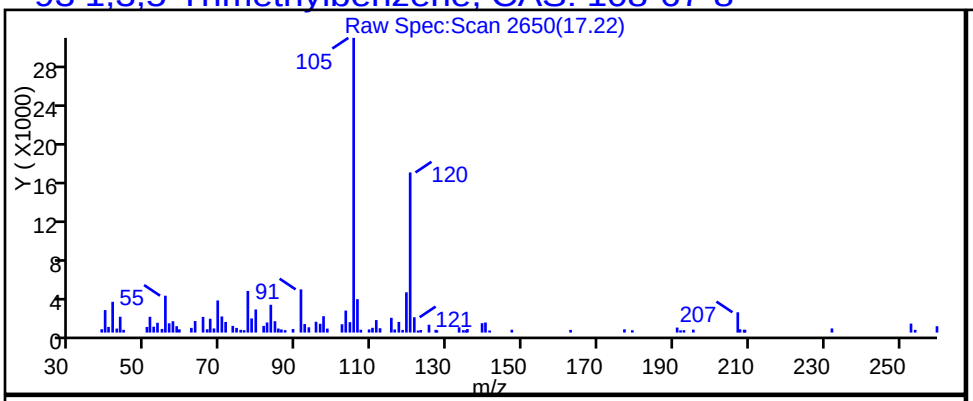
Report Date: 16-Oct-2014 11:43:56 Chrom Revision: 2.2 07-Oct-2014 12:16:06

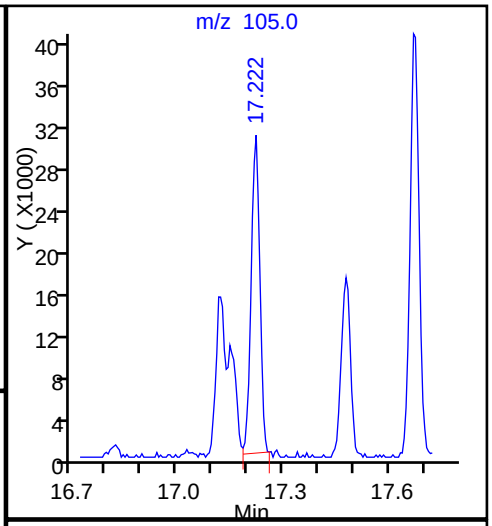
TestAmerica Burlington

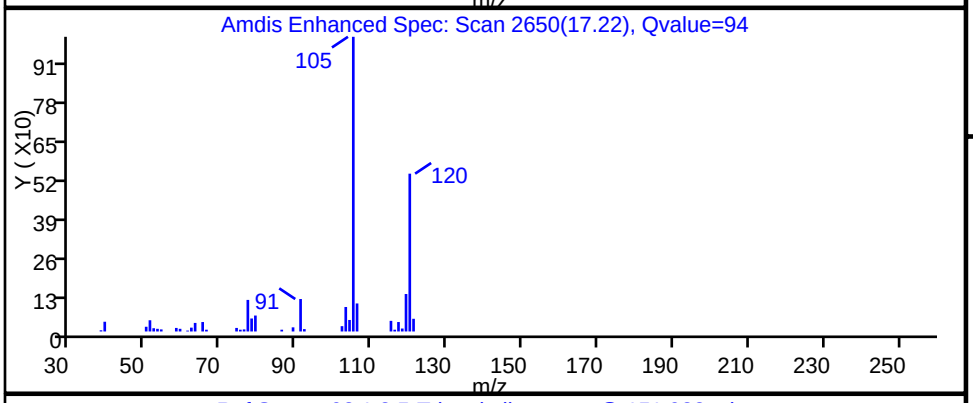
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

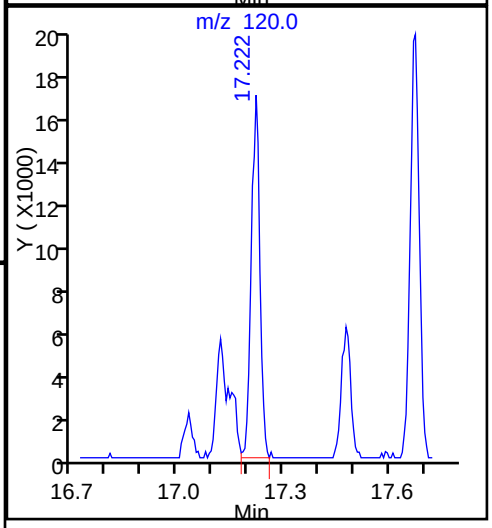
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

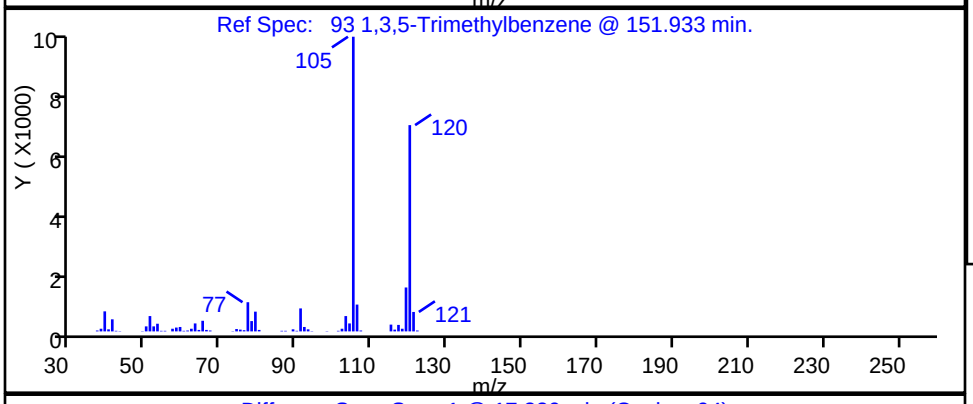
93 1,3,5-Trimethylbenzene, CAS: 108-67-8

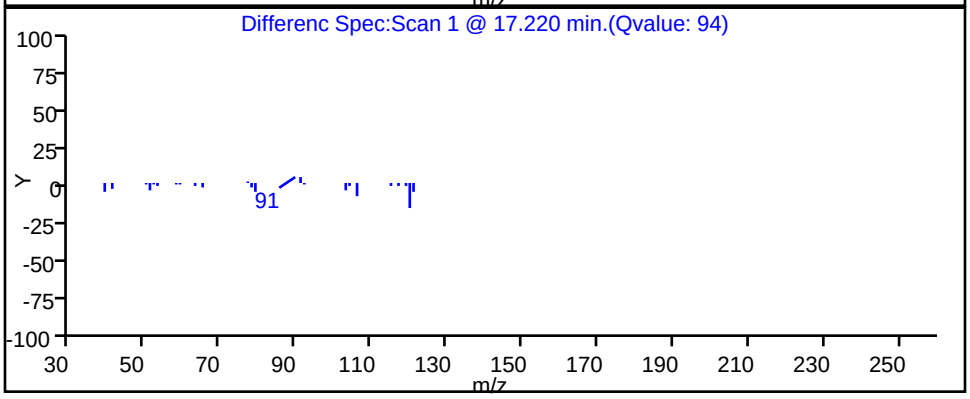












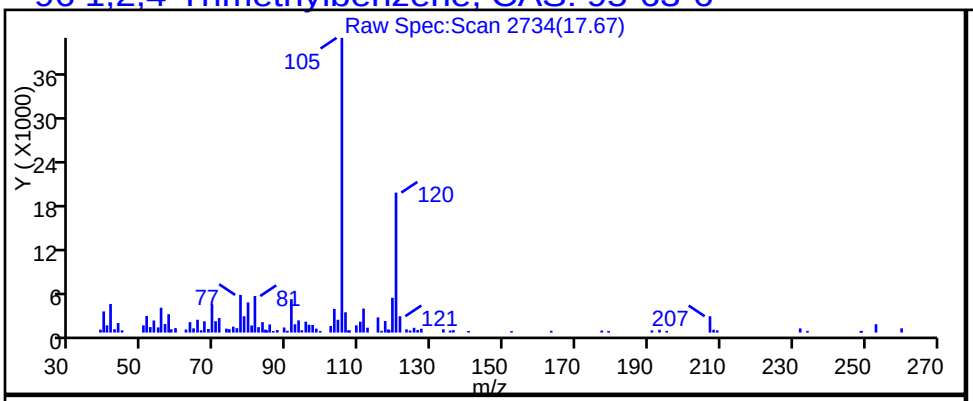
Report Date: 16-Oct-2014 11:43:56 Chrom Revision: 2.2 07-Oct-2014 12:16:06

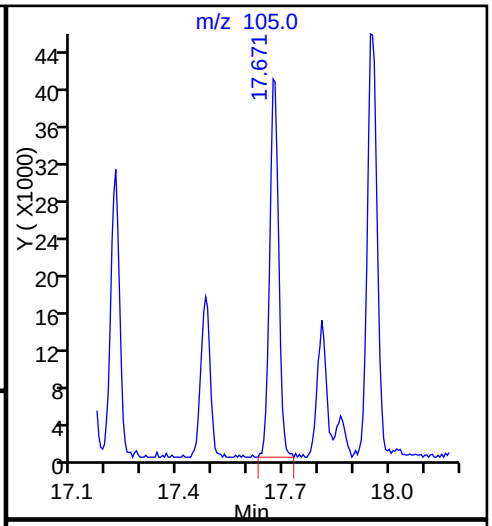
TestAmerica Burlington

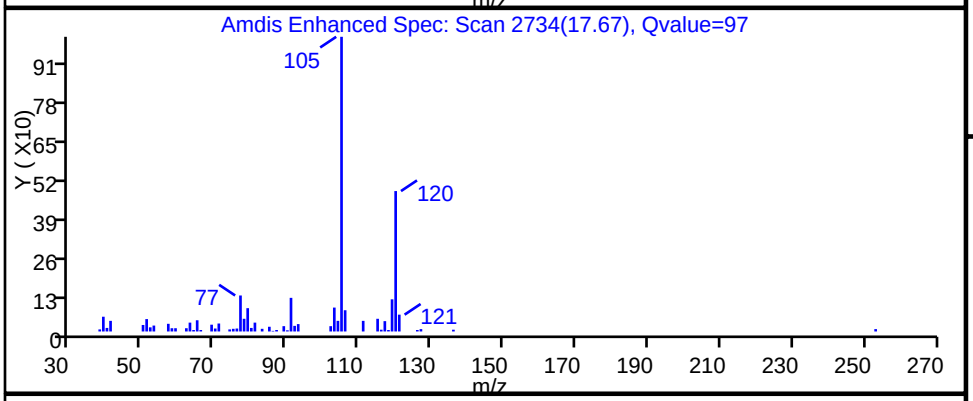
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

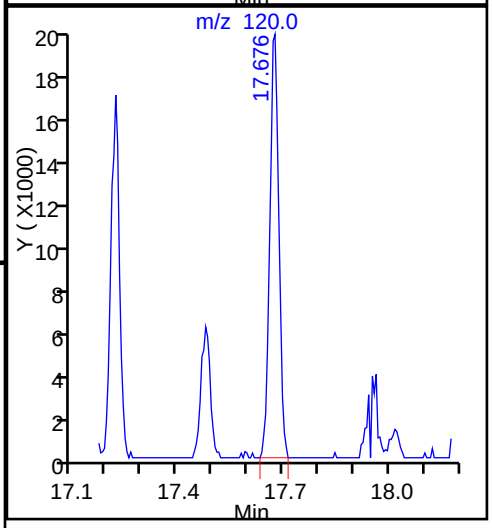
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

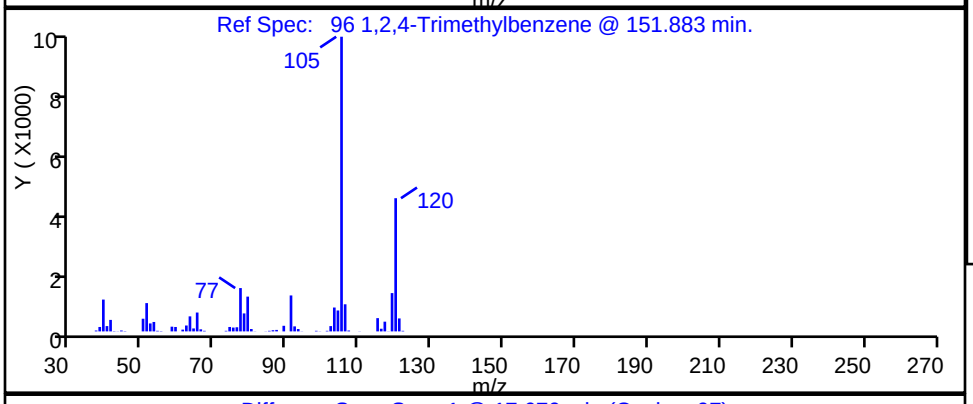
96 1,2,4-Trimethylbenzene, CAS: 95-63-6

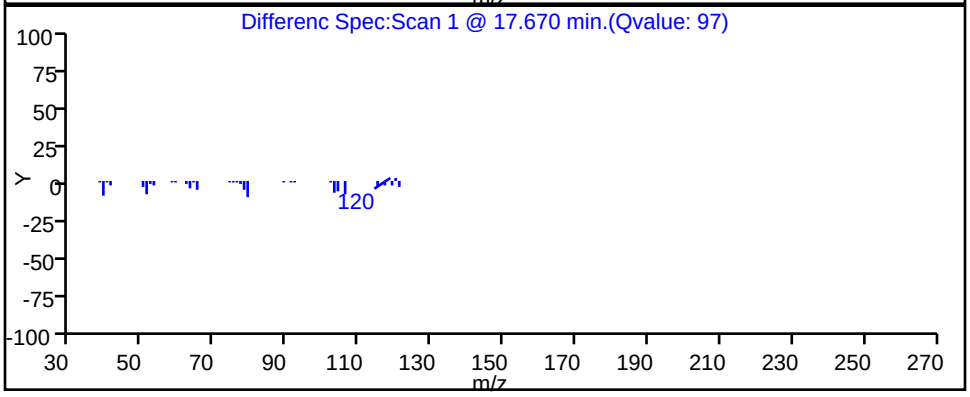












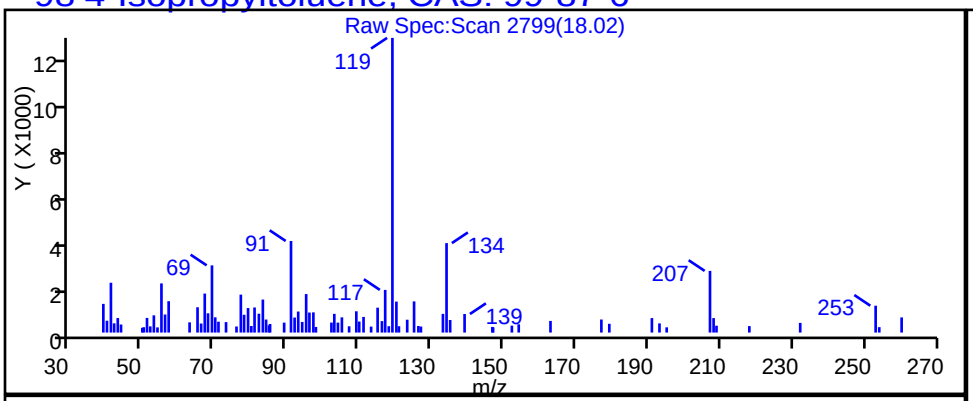
Report Date: 16-Oct-2014 11:43:56 Chrom Revision: 2.2 07-Oct-2014 12:16:06

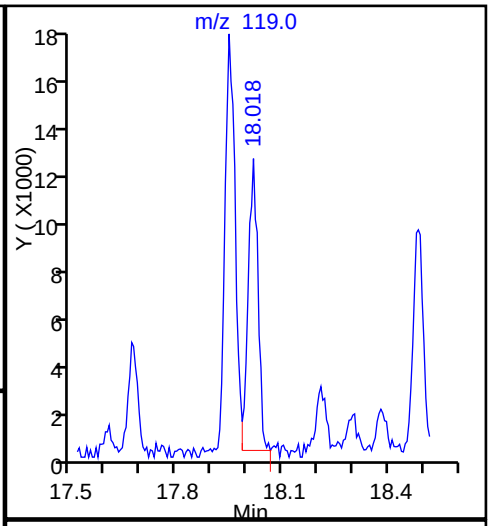
TestAmerica Burlington

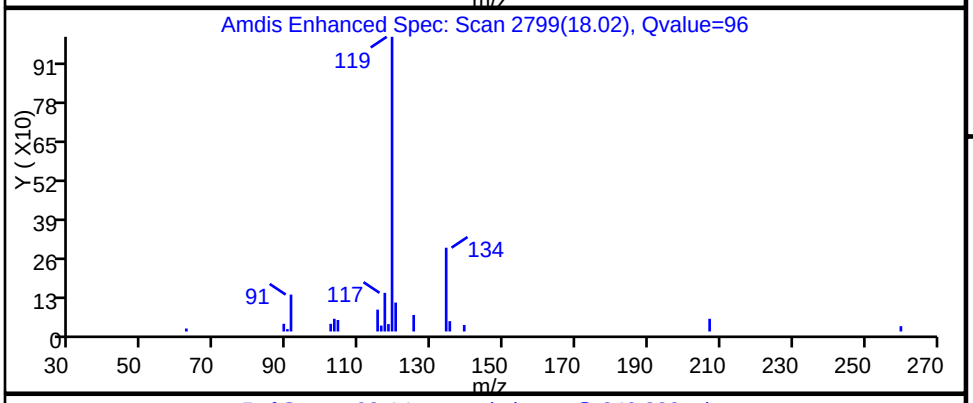
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D

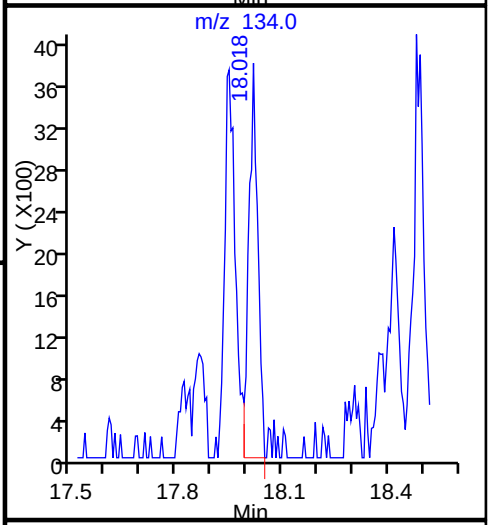
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4
Client ID:	SDS-4		
Operator ID:	pad	ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

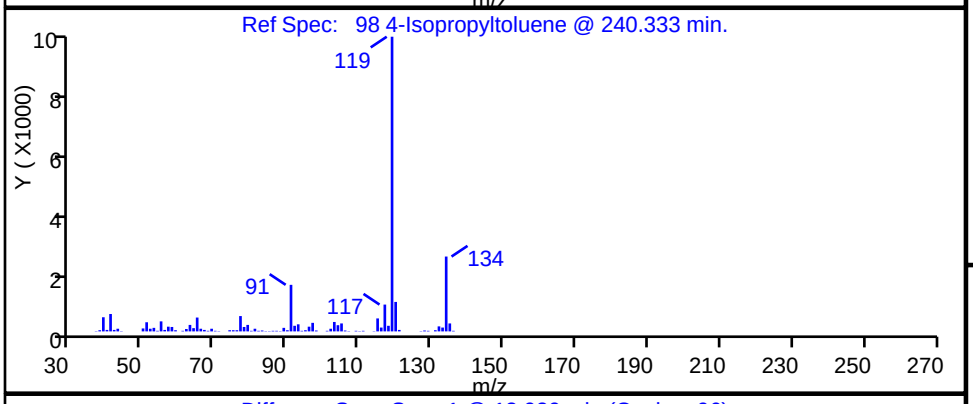
98 4-Isopropyltoluene, CAS: 99-87-6

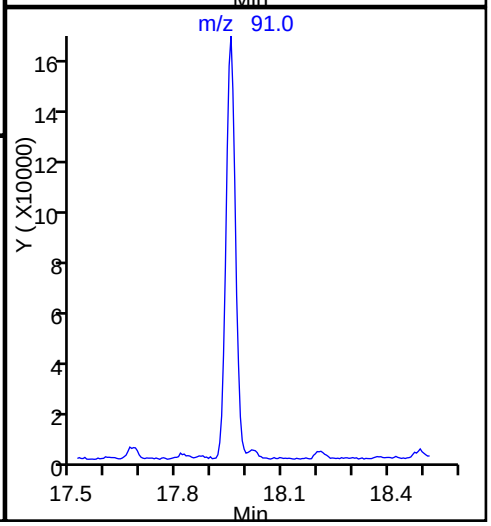


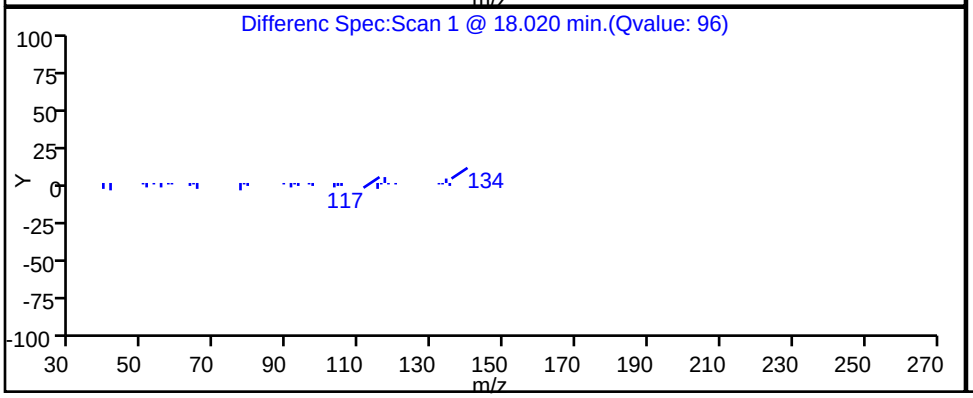












Manual Integration/User Assign Peak Report

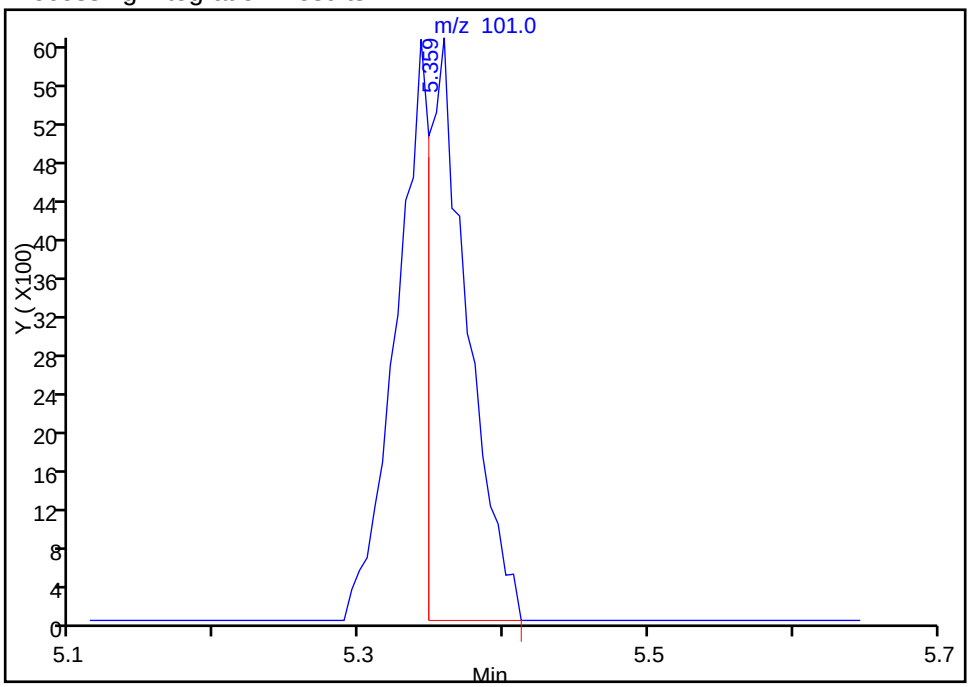
TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_09.D				
Injection Date:	15-Oct-2014 18:01:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-4	Lab Sample ID:	200-24716-4		
Client ID:	SDS-4				
Operator ID:	pad	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

17 Trichlorofluoromethane, CAS: 75-69-4

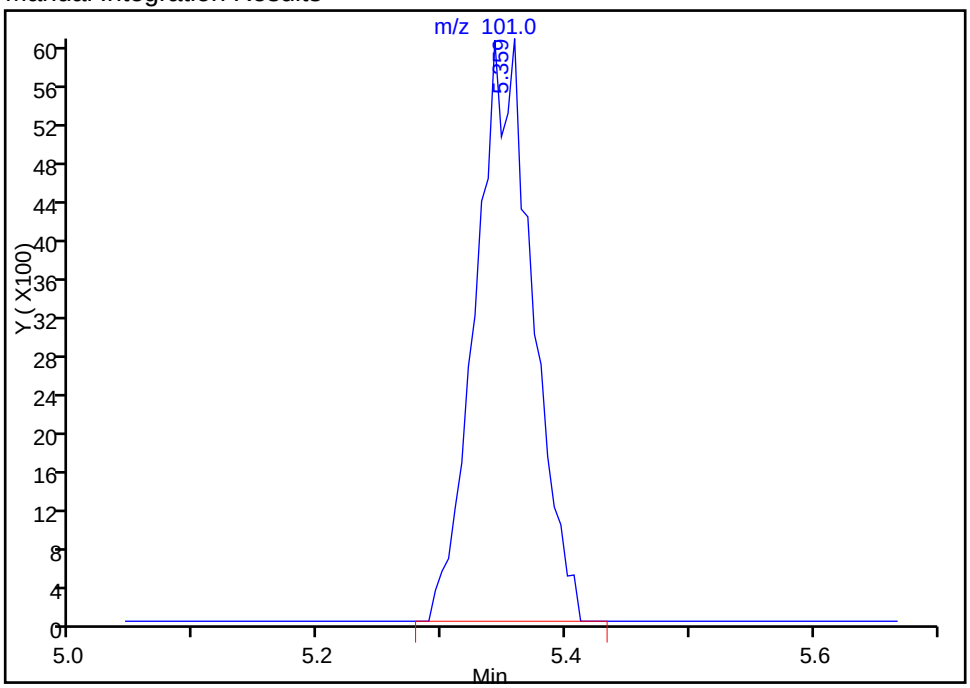
Processing Integration Results

RT: 5.36
Response: 11345
Amount: 0.085495



Manual Integration Results

RT: 5.36
Response: 19411
Amount: 0.146280



Reviewer: daiglep, 16-Oct-2014 11:11:37
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-5 Lab Sample ID: 200-24716-5

Matrix: Air Lab File ID: 10013_10.D

Analysis Method: TO-15 Date Collected: 10/09/2014 11:41

Sample wt/vol: 25(mL) Date Analyzed: 10/15/2014 18:53

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	4.0	U	4.0	0.45
75-45-6	Freon 22	86.47	1.4	J	4.0	0.64
76-14-2	Freon-114	170.92	1.6	U	1.6	0.42
74-87-3	Chloromethane	50.49	4.0	U	4.0	0.48
106-97-8	n-Butane	58.12	4.0	U	4.0	1.4
75-01-4	Vinyl chloride	62.50	0.32	U	0.32	0.21
106-99-0	1,3-Butadiene	54.09	1.6	U	1.6	0.29
74-83-9	Bromomethane	94.94	1.6	U	1.6	0.35
75-00-3	Chloroethane	64.52	4.0	U	4.0	0.49
593-60-2	Vinyl bromide	106.96	1.6	U	1.6	0.16
75-69-4	Freon 11	137.37	1.6	U	1.6	0.36
76-13-1	Freon 113	187.38	1.6	U	1.6	0.33
75-35-4	1,1-Dichloroethene	96.94	1.6	U	1.6	0.080
67-64-1	Acetone	58.08	40	U	40	5.5
67-63-0	Isopropyl alcohol	60.10	170		40	1.2
75-15-0	Carbon disulfide	76.14	4.0	U	4.0	0.24
107-05-1	Allyl chloride	76.53	4.0	U	4.0	1.3
75-09-2	Methylene Chloride	84.93	62		4.0	0.96
75-65-0	tert-Butyl alcohol	74.12	40	U	40	0.96
1634-04-4	Methyl tert-butyl ether	88.15	1.6	U	1.6	0.18
156-60-5	trans-1,2-Dichloroethene	96.94	1.6	U	1.6	0.22
110-54-3	Hexane	86.17	0.71	J	1.6	0.22
75-34-3	1,1-Dichloroethane	98.96	1.6	U	1.6	0.22
78-93-3	Methyl Ethyl Ketone	72.11	4.0	U	4.0	0.74
156-59-2	cis-1,2-Dichloroethene	96.94	1.6	U	1.6	0.24
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	0.42
67-66-3	Chloroform	119.38	1.6	U	1.6	0.30
109-99-9	Tetrahydrofuran	72.11	40	U	40	1.4
71-55-6	1,1,1-Trichloroethane	133.41	1.6	U	1.6	0.24
110-82-7	Cyclohexane	84.16	1.1	J	1.6	0.080
56-23-5	Carbon tetrachloride	153.81	0.32	U	0.32	0.088
540-84-1	2,2,4-Trimethylpentane	114.23	1.6	U	1.6	0.18
71-43-2	Benzene	78.11	1.6	U	1.6	0.23
107-06-2	1,2-Dichloroethane	98.96	1.6	U	1.6	0.42
142-82-5	Heptane	100.21	1.6	U	1.6	0.30

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-5 Lab Sample ID: 200-24716-5

Matrix: Air Lab File ID: 10013_10.D

Analysis Method: TO-15 Date Collected: 10/09/2014 11:41

Sample wt/vol: 25(mL) Date Analyzed: 10/15/2014 18:53

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.7		0.32	0.24
80-62-6	Methyl methacrylate	100.12	4.0	U	4.0	0.77
78-87-5	1,2-Dichloropropane	112.99	1.6	U	1.6	0.28
123-91-1	1,4-Dioxane	88.11	40	U	40	1.3
75-27-4	Bromodichloromethane	163.83	1.6	U	1.6	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	1.6	U	1.6	0.23
108-10-1	methyl isobutyl ketone	100.16	4.0	U	4.0	1.4
108-88-3	Toluene	92.14	0.83	J	1.6	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	1.6	U	1.6	0.21
79-00-5	1,1,2-Trichloroethane	133.41	1.6	U	1.6	0.30
127-18-4	Tetrachloroethene	165.83	0.74	J	1.6	0.24
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.0	U	4.0	1.4
124-48-1	Dibromochloromethane	208.29	1.6	U	1.6	0.16
106-93-4	1,2-Dibromoethane	187.87	1.6	U	1.6	0.14
108-90-7	Chlorobenzene	112.56	1.6	U	1.6	0.14
100-41-4	Ethylbenzene	106.17	0.27	J	1.6	0.16
179601-23-1	m,p-Xylene	106.17	0.87	J	4.0	0.20
95-47-6	Xylene, o-	106.17	0.24	J	1.6	0.14
1330-20-7	Xylene (total)	106.17	1.1	J	1.6	0.33
100-42-5	Styrene	104.15	1.6	U	1.6	0.13
75-25-2	Bromoform	252.75	1.6	U	1.6	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.6	U	1.6	0.27
103-65-1	n-Propylbenzene	120.19	1.6	U	1.6	0.22
622-96-8	4-Ethyltoluene	120.20	1.6	U	1.6	0.16
108-67-8	1,3,5-Trimethylbenzene	120.20	1.6	U	1.6	0.15
95-49-8	2-Chlorotoluene	126.59	1.6	U	1.6	0.25
98-06-6	tert-Butylbenzene	134.22	1.6	U	1.6	0.16
95-63-6	1,2,4-Trimethylbenzene	120.20	1.6	U	1.6	0.13
135-98-8	sec-Butylbenzene	134.22	1.6	U	1.6	0.17
99-87-6	4-Isopropyltoluene	134.22	1.6	U	1.6	0.16
541-73-1	1,3-Dichlorobenzene	147.00	1.6	U	1.6	0.16
106-46-7	1,4-Dichlorobenzene	147.00	1.6	U	1.6	0.15
100-44-7	Benzyl chloride	126.58	1.6	U	1.6	0.14
104-51-8	n-Butylbenzene	134.22	1.6	U	1.6	0.22

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-5 Lab Sample ID: 200-24716-5

Matrix: Air Lab File ID: 10013_10.D

Analysis Method: TO-15 Date Collected: 10/09/2014 11:41

Sample wt/vol: 25(mL) Date Analyzed: 10/15/2014 18:53

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.6	U	1.6	0.14
120-82-1	1,2,4-Trichlorobenzene	181.45	4.0	U	4.0	0.27
87-68-3	Hexachloro-1,3-butadiene	260.76	1.6	U	1.6	0.29
91-20-3	Naphthalene	128.17	4.0	U	4.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-5 Lab Sample ID: 200-24716-5

Matrix: Air Lab File ID: 10013_10.D

Analysis Method: TO-15 Date Collected: 10/09/2014 11:41

Sample wt/vol: 25(mL) Date Analyzed: 10/15/2014 18:53

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	20	U	20	2.2
75-45-6	Freon 22	86.47	5.0	J	14	2.3
76-14-2	Freon-114	170.92	11	U	11	2.9
74-87-3	Chloromethane	50.49	8.3	U	8.3	0.99
106-97-8	n-Butane	58.12	9.5	U	9.5	3.4
75-01-4	Vinyl chloride	62.50	0.82	U	0.82	0.53
106-99-0	1,3-Butadiene	54.09	3.5	U	3.5	0.64
74-83-9	Bromomethane	94.94	6.2	U	6.2	1.4
75-00-3	Chloroethane	64.52	11	U	11	1.3
593-60-2	Vinyl bromide	106.96	7.0	U	7.0	0.70
75-69-4	Freon 11	137.37	9.0	U	9.0	2.0
76-13-1	Freon 113	187.38	12	U	12	2.5
75-35-4	1,1-Dichloroethene	96.94	6.3	U	6.3	0.32
67-64-1	Acetone	58.08	95	U	95	13
67-63-0	Isopropyl alcohol	60.10	420		98	2.9
75-15-0	Carbon disulfide	76.14	12	U	12	0.75
107-05-1	Allyl chloride	76.53	13	U	13	4.0
75-09-2	Methylene Chloride	84.93	220		14	3.3
75-65-0	tert-Butyl alcohol	74.12	120	U	120	2.9
1634-04-4	Methyl tert-butyl ether	88.15	5.8	U	5.8	0.63
156-60-5	trans-1,2-Dichloroethene	96.94	6.3	U	6.3	0.86
110-54-3	Hexane	86.17	2.5	J	5.6	0.79
75-34-3	1,1-Dichloroethane	98.96	6.5	U	6.5	0.91
78-93-3	Methyl Ethyl Ketone	72.11	12	U	12	2.2
156-59-2	cis-1,2-Dichloroethene	96.94	6.3	U	6.3	0.95
540-59-0	1,2-Dichloroethene, Total	96.94	6.3	U	6.3	1.7
67-66-3	Chloroform	119.38	7.8	U	7.8	1.5
109-99-9	Tetrahydrofuran	72.11	120	U	120	4.2
71-55-6	1,1,1-Trichloroethane	133.41	8.7	U	8.7	1.3
110-82-7	Cyclohexane	84.16	3.8	J	5.5	0.28
56-23-5	Carbon tetrachloride	153.81	2.0	U	2.0	0.55
540-84-1	2,2,4-Trimethylpentane	114.23	7.5	U	7.5	0.86
71-43-2	Benzene	78.11	5.1	U	5.1	0.74
107-06-2	1,2-Dichloroethane	98.96	6.5	U	6.5	1.7
142-82-5	Heptane	100.21	6.6	U	6.6	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-5 Lab Sample ID: 200-24716-5

Matrix: Air Lab File ID: 10013_10.D

Analysis Method: TO-15 Date Collected: 10/09/2014 11:41

Sample wt/vol: 25(mL) Date Analyzed: 10/15/2014 18:53

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	9.0		1.7	1.3
80-62-6	Methyl methacrylate	100.12	16	U	16	3.1
78-87-5	1,2-Dichloropropane	112.99	7.4	U	7.4	1.3
123-91-1	1,4-Dioxane	88.11	140	U	140	4.6
75-27-4	Bromodichloromethane	163.83	11	U	11	1.6
10061-01-5	cis-1,3-Dichloropropene	110.97	7.3	U	7.3	1.1
108-10-1	methyl isobutyl ketone	100.16	16	U	16	5.9
108-88-3	Toluene	92.14	3.1	J	6.0	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	7.3	U	7.3	0.94
79-00-5	1,1,2-Trichloroethane	133.41	8.7	U	8.7	1.6
127-18-4	Tetrachloroethene	165.83	5.0	J	11	1.6
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	16	U	16	5.6
124-48-1	Dibromochloromethane	208.29	14	U	14	1.4
106-93-4	1,2-Dibromoethane	187.87	12	U	12	1.1
108-90-7	Chlorobenzene	112.56	7.4	U	7.4	0.66
100-41-4	Ethylbenzene	106.17	1.2	J	6.9	0.69
179601-23-1	m,p-Xylene	106.17	3.8	J	17	0.87
95-47-6	Xylene, o-	106.17	1.0	J	6.9	0.63
1330-20-7	Xylene (total)	106.17	4.8	J	6.9	1.4
100-42-5	Styrene	104.15	6.8	U	6.8	0.55
75-25-2	Bromoform	252.75	17	U	17	2.1
79-34-5	1,1,2,2-Tetrachloroethane	167.85	11	U	11	1.9
103-65-1	n-Propylbenzene	120.19	7.9	U	7.9	1.1
622-96-8	4-Ethyltoluene	120.20	7.9	U	7.9	0.79
108-67-8	1,3,5-Trimethylbenzene	120.20	7.9	U	7.9	0.75
95-49-8	2-Chlorotoluene	126.59	8.3	U	8.3	1.3
98-06-6	tert-Butylbenzene	134.22	8.8	U	8.8	0.88
95-63-6	1,2,4-Trimethylbenzene	120.20	7.9	U	7.9	0.63
135-98-8	sec-Butylbenzene	134.22	8.8	U	8.8	0.92
99-87-6	4-Isopropyltoluene	134.22	8.8	U	8.8	0.88
541-73-1	1,3-Dichlorobenzene	147.00	9.6	U	9.6	0.96
106-46-7	1,4-Dichlorobenzene	147.00	9.6	U	9.6	0.91
100-44-7	Benzyl chloride	126.58	8.3	U	8.3	0.75
104-51-8	n-Butylbenzene	134.22	8.8	U	8.8	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-5 Lab Sample ID: 200-24716-5

Matrix: Air Lab File ID: 10013_10.D

Analysis Method: TO-15 Date Collected: 10/09/2014 11:41

Sample wt/vol: 25(mL) Date Analyzed: 10/15/2014 18:53

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.6	U	9.6	0.87
120-82-1	1,2,4-Trichlorobenzene	181.45	30	U	30	2.0
87-68-3	Hexachloro-1,3-butadiene	260.76	17	U	17	3.1
91-20-3	Naphthalene	128.17	21	U	21	1.3

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_10.D
Lims ID: 200-24716-A-5 Lab Sample ID: 200-24716-5
Client ID: SDS-5
Sample Type: Client
Inject. Date: 15-Oct-2014 18:53:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 8.0000
Sample Info: 200-0010013-010
Misc. Info.: 24716-05
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 16-Oct-2014 11:43:38 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 16-Oct-2014 11:19:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85		3.224				ND	
6 Chlorodifluoromethane	51	3.266	3.266	0.000	95	8021	0.1763	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.453				ND	
8 Chloromethane	50		3.592				ND	
9 Butane	43		3.773				ND	
10 Vinyl chloride	62		3.816				ND	
11 Butadiene	54		3.880				ND	
12 Bromomethane	94		4.595				ND	
14 Chloroethane	64		4.841				ND	
16 Vinyl bromide	106		5.257				ND	
17 Trichlorofluoromethane	101		5.353				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.399				ND	
24 1,1-Dichloroethene	96		6.479				ND	
25 Acetone	43		6.655				ND	
26 Isopropyl alcohol	45	6.853	6.858	-0.005	97	681178	21.3	
27 Carbon disulfide	76		6.912				ND	
29 3-Chloro-1-propene	41		7.200				ND	
31 Methylene Chloride	49	7.467	7.467	0.000	79	211238	7.79	
32 2-Methyl-2-propanol	59		7.568				ND	
33 Methyl tert-butyl ether	73		7.798				ND	
34 trans-1,2-Dichloroethene	61		7.867				ND	
36 Hexane	57	8.176	8.182	-0.006	85	3180	0.0882	
37 1,1-Dichloroethane	63		8.625				ND	
* 44 Chlorobromomethane	128	9.906	9.906	0.000	67	387296	10.0	
39 cis-1,2-Dichloroethene	96		9.532				ND	
40 2-Butanone (MEK)	72		9.532				ND	
43 Tetrahydrofuran	42		9.906				ND	
45 Chloroform	83		9.975				ND	
S 42 1,2-Dichloroethene, Total	61		10.000				0	
47 1,1,1-Trichloroethane	97		10.226				ND	
46 Cyclohexane	84	10.236	10.226	0.010	65	6531	0.1381	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		10.423				ND	
49 Isooctane	57		10.695				ND	
50 Benzene	78		10.760				ND	
51 1,2-Dichloroethane	62		10.877				ND	
52 n-Heptane	43		10.941				ND	
* 54 1,4-Difluorobenzene	114	11.304	11.304	0.000	92	1861833	10.0	
57 Trichloroethene	95	11.667	11.667	0.000	95	11376	0.2090	
58 1,2-Dichloropropane	63		12.056				ND	
59 Methyl methacrylate	69		12.078				ND	
60 1,4-Dioxane	88		12.174				ND	
62 Dichlorobromomethane	83		12.409				ND	
64 cis-1,3-Dichloropropene	75		13.038				ND	
65 4-Methyl-2-pentanone (MIBK	43		13.188				ND	
68 Toluene	92	13.465	13.460	0.005	93	8646	0.1035	
70 trans-1,3-Dichloropropene	75		13.834				ND	
71 1,1,2-Trichloroethane	83		14.106				ND	
72 Tetrachloroethene	166	14.228	14.223	0.005	95	8002	0.0929	
73 2-Hexanone	43		14.357				ND	
74 Chlorodibromomethane	129		14.650				ND	
75 Ethylene Dibromide	107		14.853				ND	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	84	1660052	10.0	
77 Chlorobenzene	112		15.435				ND	
79 Ethylbenzene	91	15.504	15.499	0.005	95	6821	0.0337	
80 m-Xylene & p-Xylene	106	15.643	15.643	0.000	0	9264	0.1093	
S 81 Xylenes, Total	106				0		0.1394	
82 o-Xylene	106	16.144	16.150	-0.006	94	2498	0.0301	
83 Styrene	104		16.176				ND	
84 Bromoform	173		16.470				ND	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	91	1284549	NC	
87 1,1,2,2-Tetrachloroethane	83		16.972				ND	
88 N-Propylbenzene	91		17.030				ND	
91 4-Ethyltoluene	105		17.153				ND	
92 2-Chlorotoluene	91		17.201				ND	
93 1,3,5-Trimethylbenzene	105		17.223				ND	
95 tert-Butylbenzene	119		17.601				ND	
96 1,2,4-Trimethylbenzene	105		17.676				ND	
97 sec-Butylbenzene	105		17.863				ND	
98 4-Isopropyltoluene	119		18.018				ND	
99 1,3-Dichlorobenzene	146		18.103				ND	
100 1,4-Dichlorobenzene	146		18.215				ND	
101 Benzyl chloride	91		18.381				ND	
103 n-Butylbenzene	91		18.535				ND	
104 1,2-Dichlorobenzene	146		18.717				ND	
107 1,2,4-Trichlorobenzene	180		21.140				ND	
108 Hexachlorobutadiene	225		21.300				ND	
109 Naphthalene	128		21.652				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

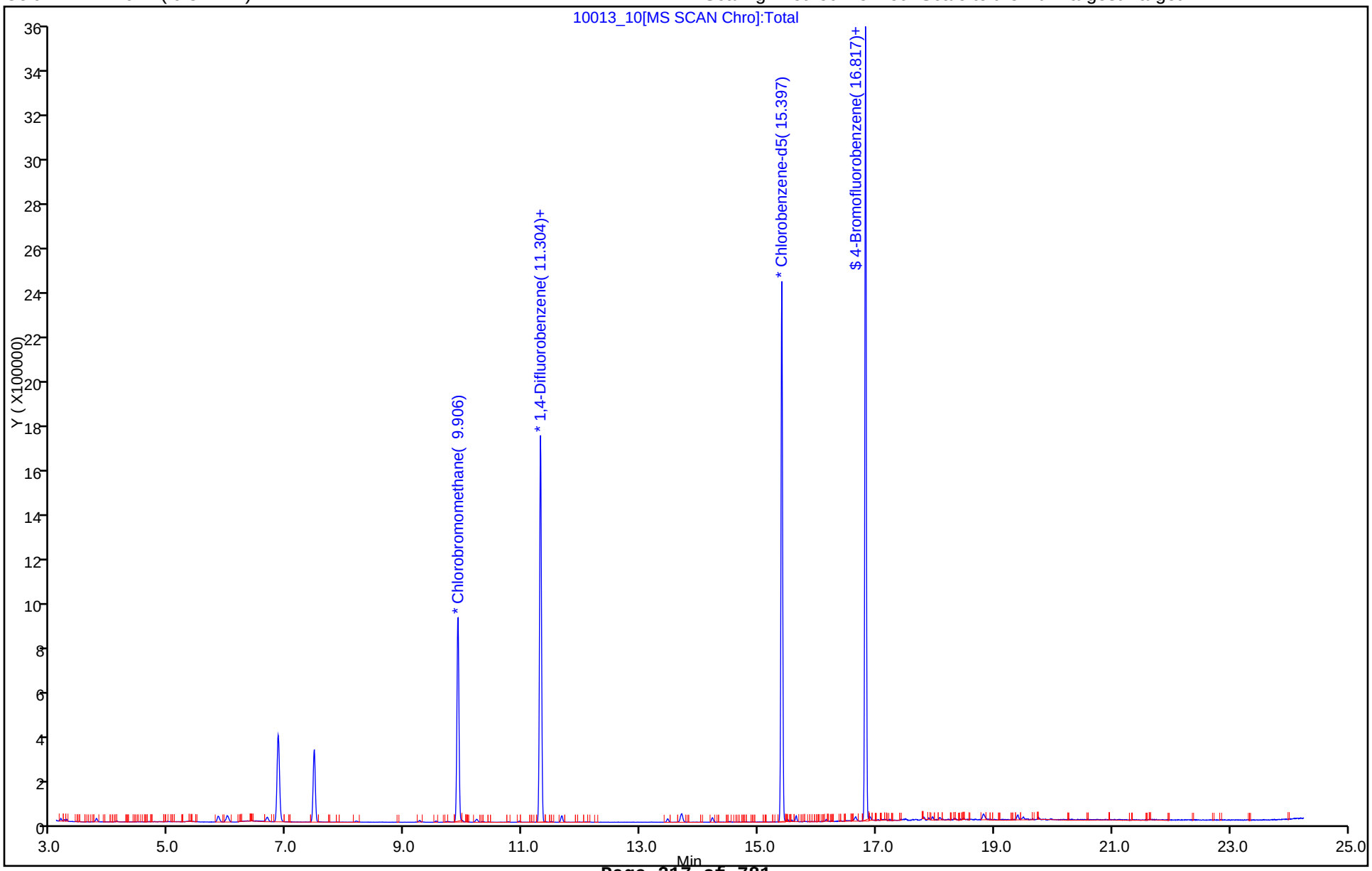
Report Date: 16-Oct-2014 11:43:57 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_10.D

Injection Date:	15-Oct-2014 18:53:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-24716-A-5	Lab Sample ID:	200-24716-5	Worklist Smp#:	10
Client ID:	SDS-5				
Purge Vol:	5.000 mL	Dil. Factor:	8.0000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



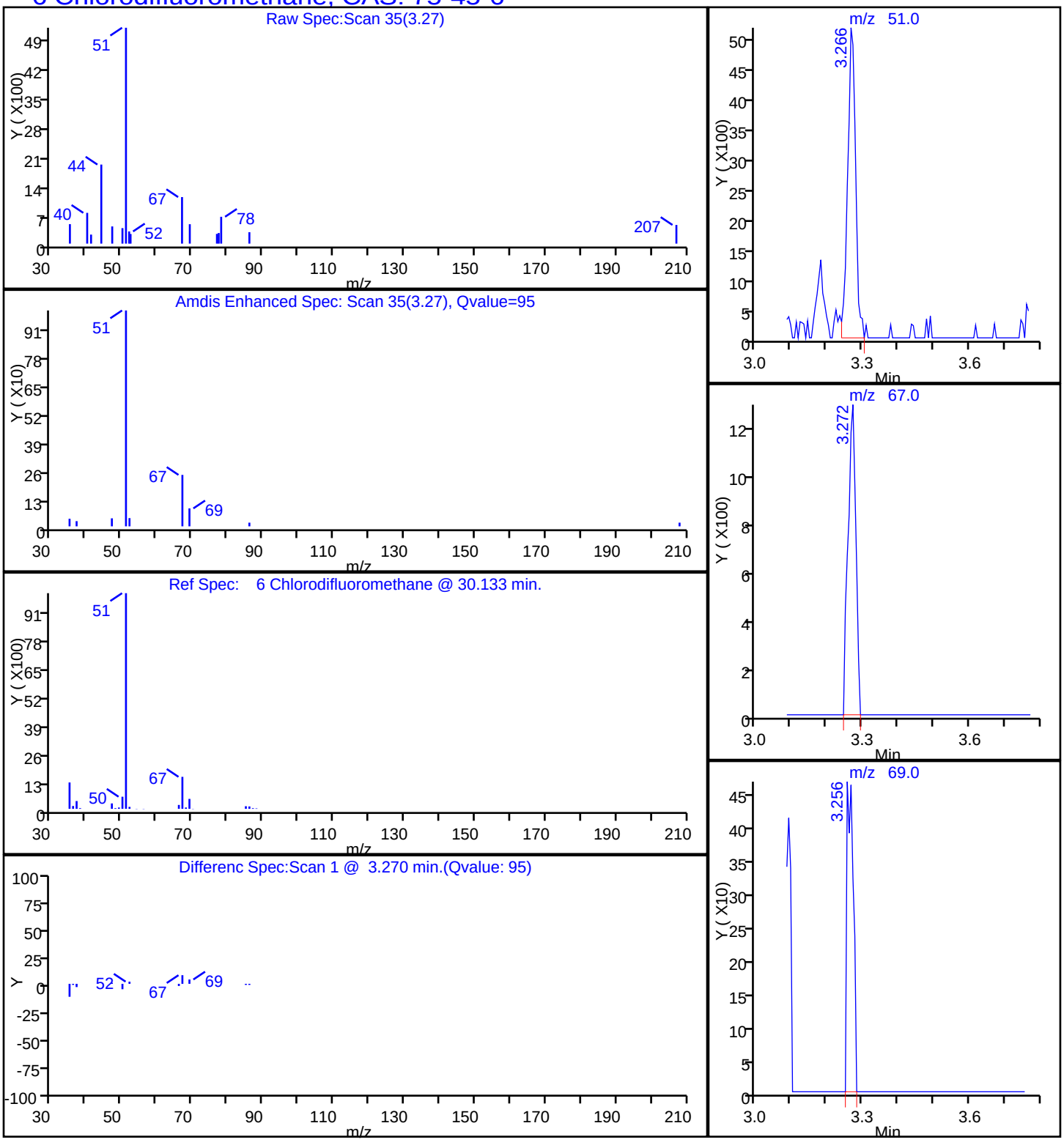
Report Date: 16-Oct-2014 11:43:57 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_10.D

Injection Date:	15-Oct-2014 18:53:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-5	Lab Sample ID:	200-24716-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



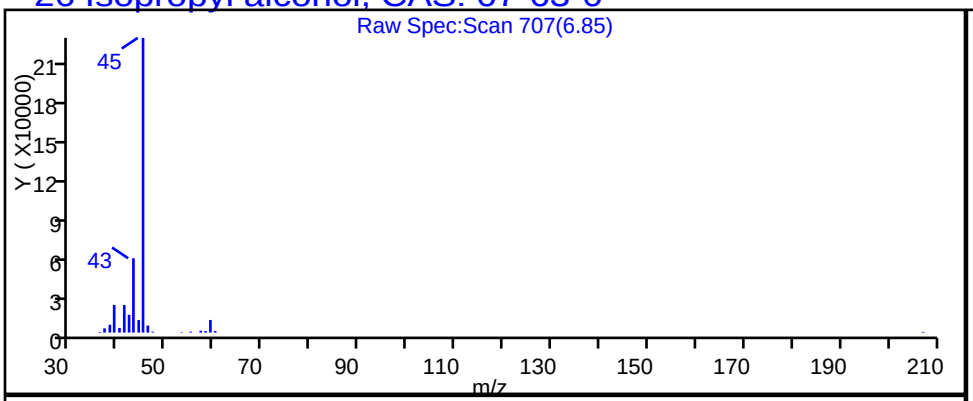
Report Date: 16-Oct-2014 11:43:57 Chrom Revision: 2.2 07-Oct-2014 12:16:06

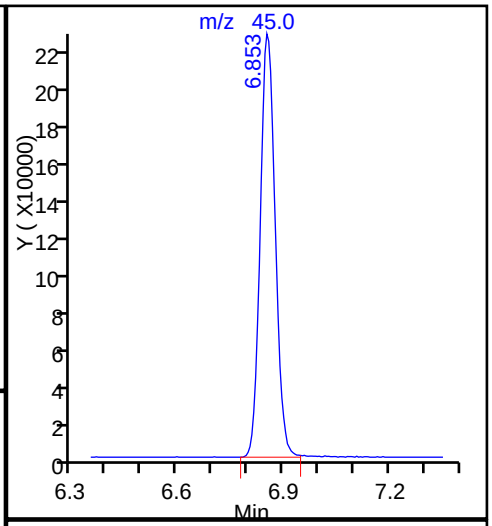
TestAmerica Burlington

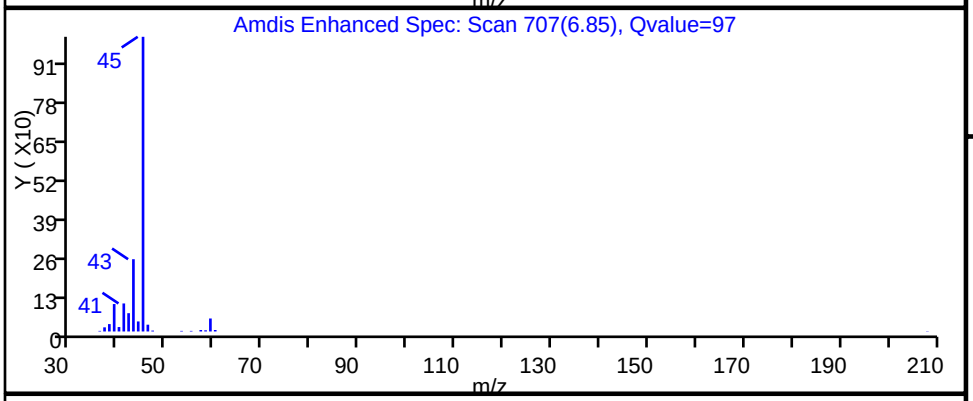
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_10.D

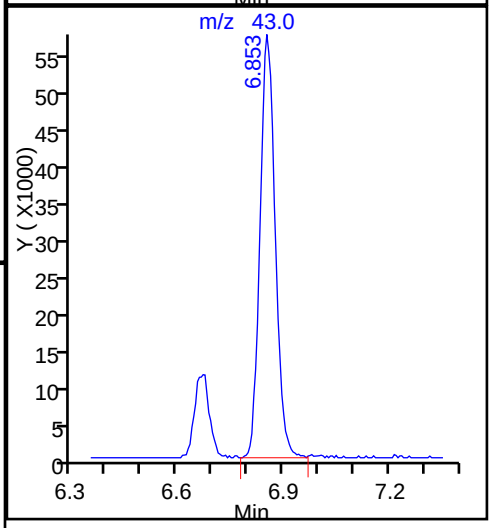
Injection Date:	15-Oct-2014 18:53:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-5	Lab Sample ID:	200-24716-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

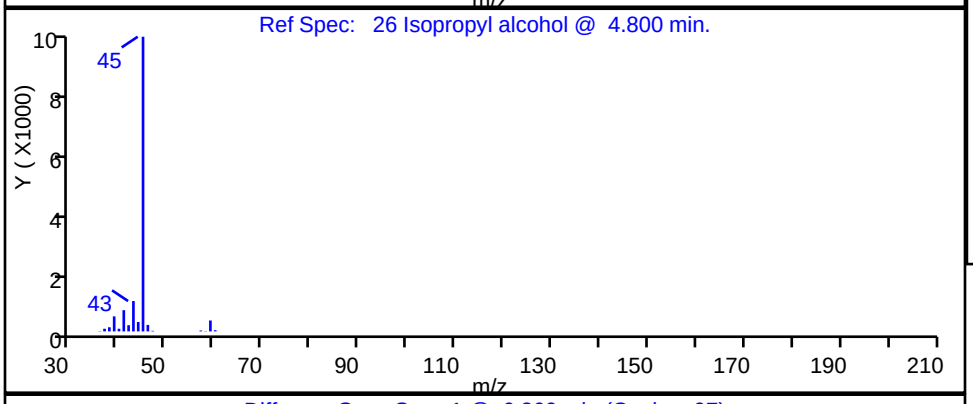
26 Isopropyl alcohol, CAS: 67-63-0

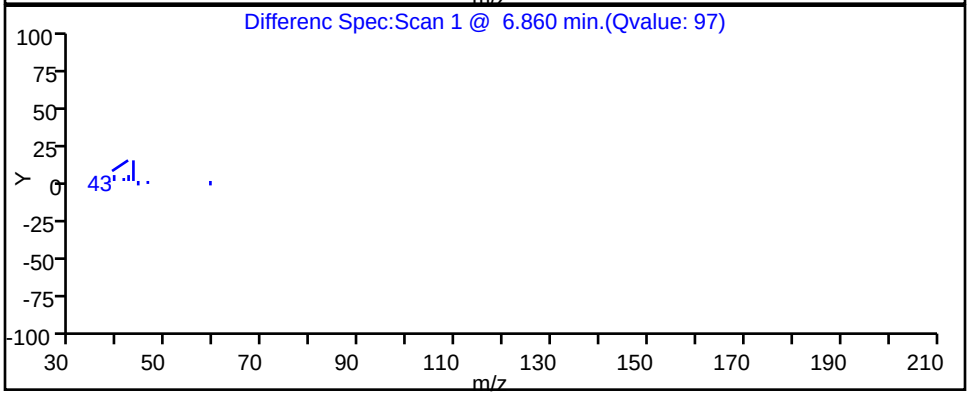












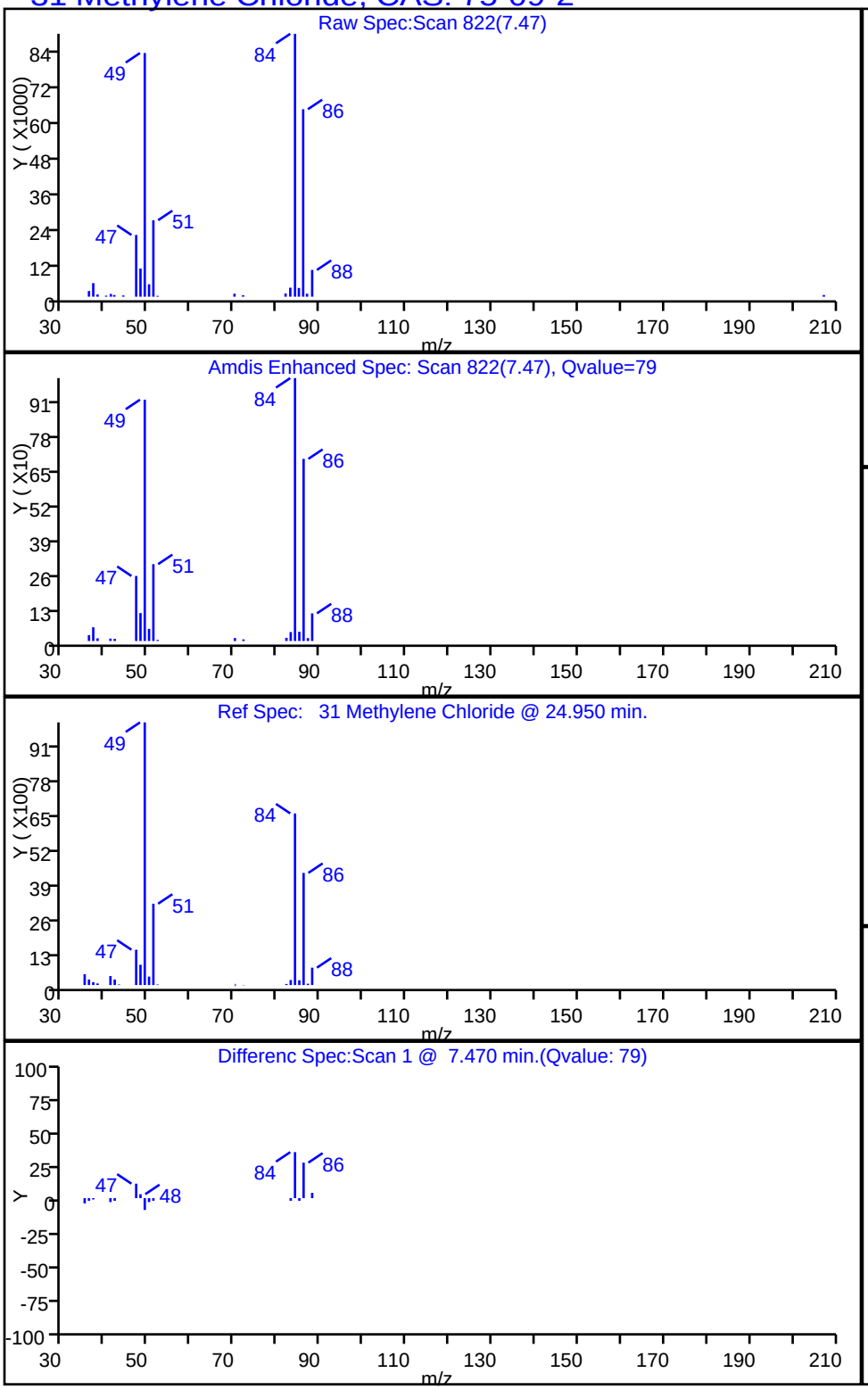
Report Date: 16-Oct-2014 11:43:57 Chrom Revision: 2.2 07-Oct-2014 12:16:06

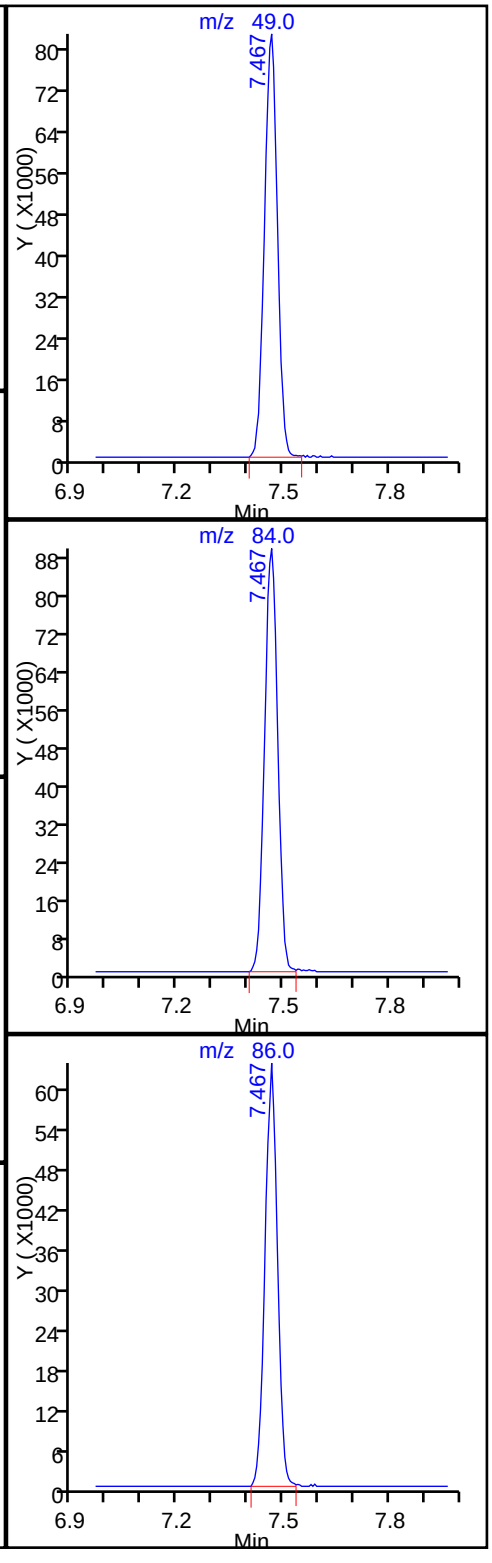
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_10.D

Injection Date:	15-Oct-2014 18:53:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-5	Lab Sample ID:	200-24716-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2





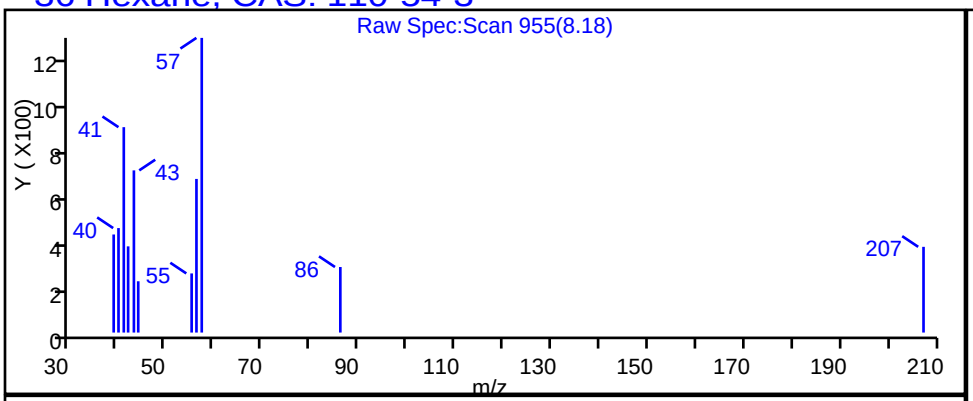
Report Date: 16-Oct-2014 11:43:57 Chrom Revision: 2.2 07-Oct-2014 12:16:06

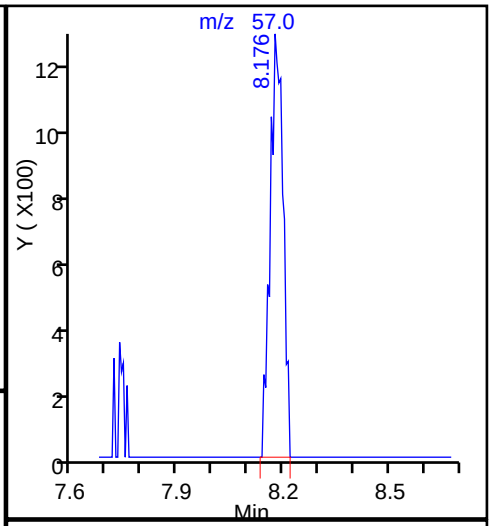
TestAmerica Burlington

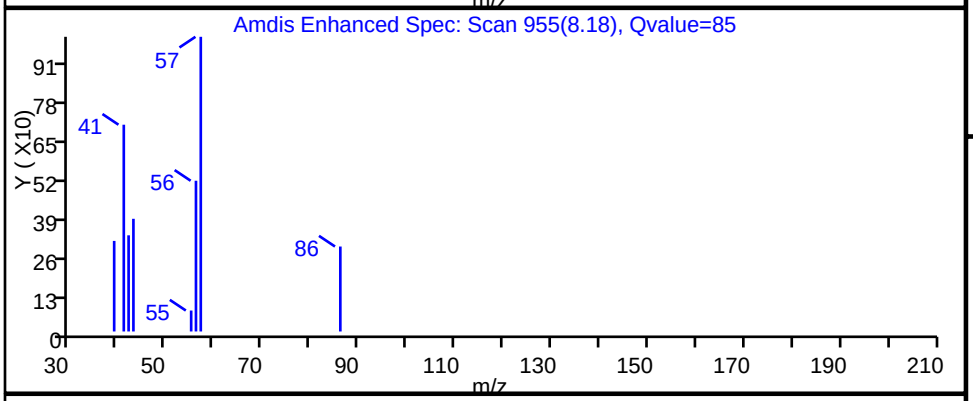
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_10.D

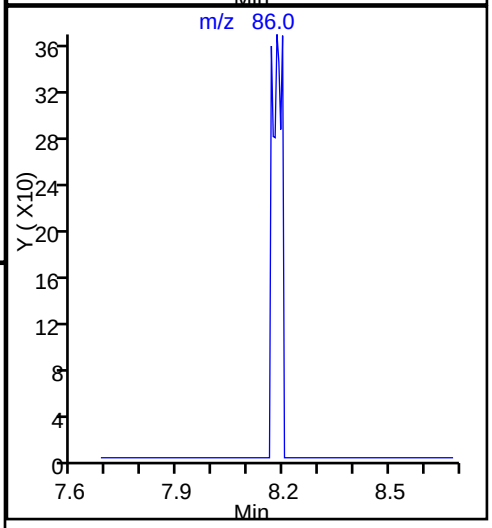
Injection Date:	15-Oct-2014 18:53:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-5	Lab Sample ID:	200-24716-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

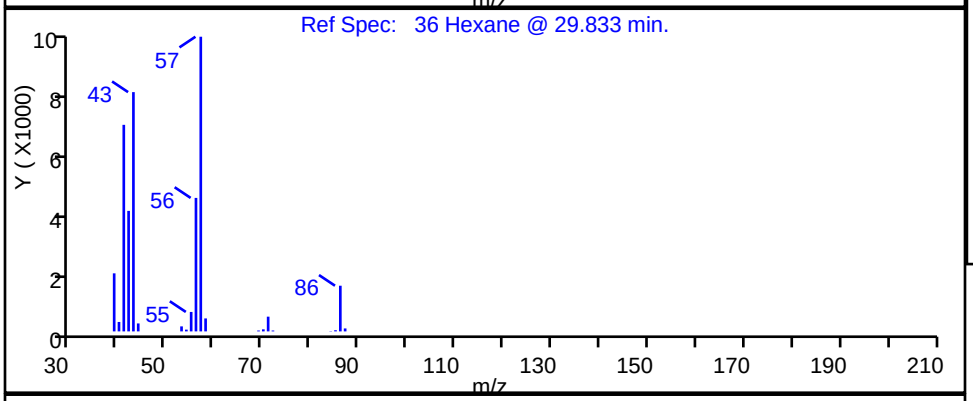
36 Hexane, CAS: 110-54-3

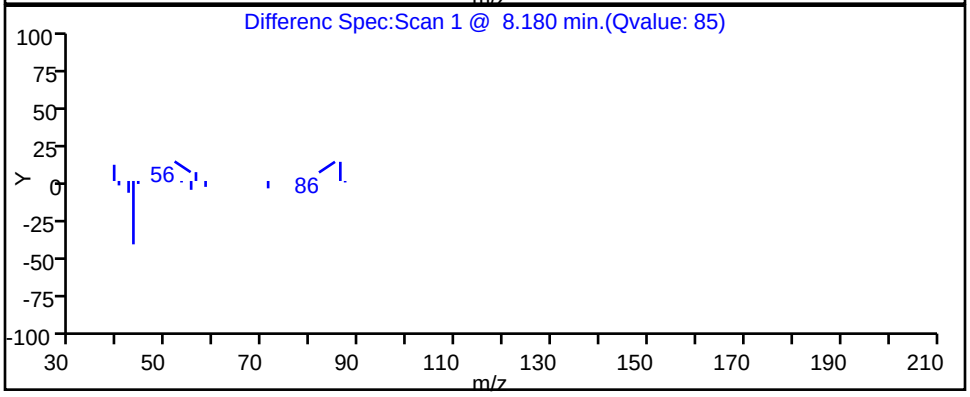












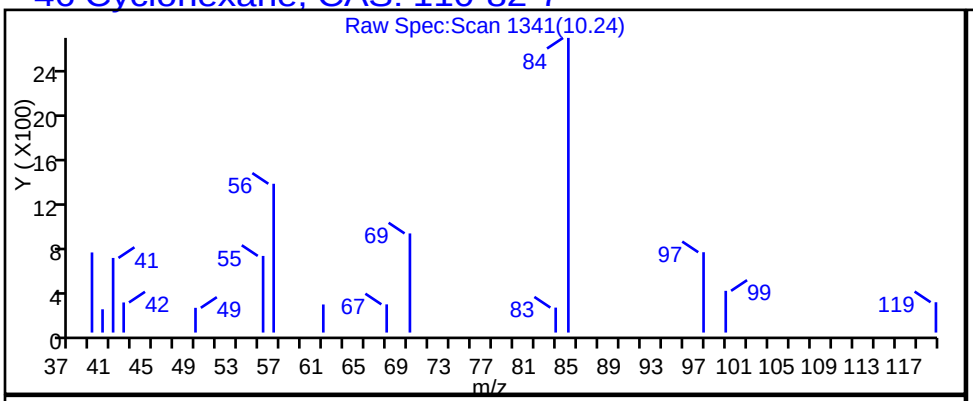
Report Date: 16-Oct-2014 11:43:57 Chrom Revision: 2.2 07-Oct-2014 12:16:06

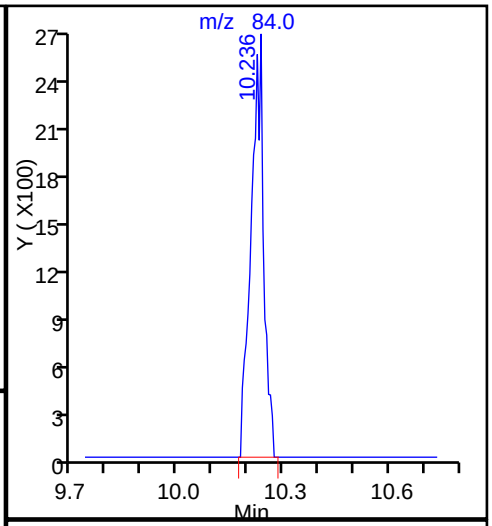
TestAmerica Burlington

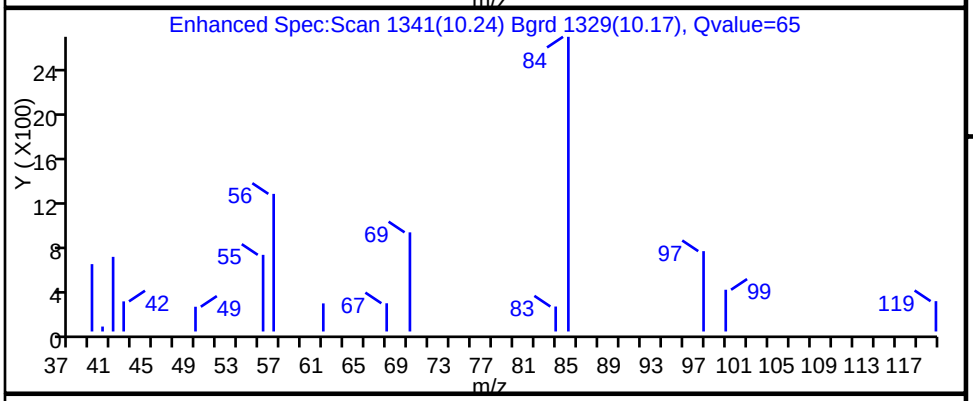
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_10.D

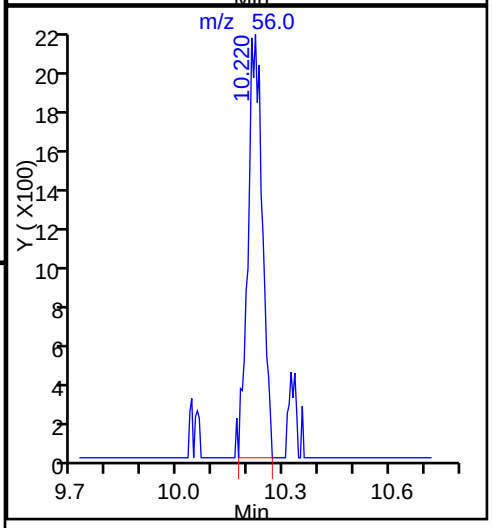
Injection Date:	15-Oct-2014 18:53:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-5	Lab Sample ID:	200-24716-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

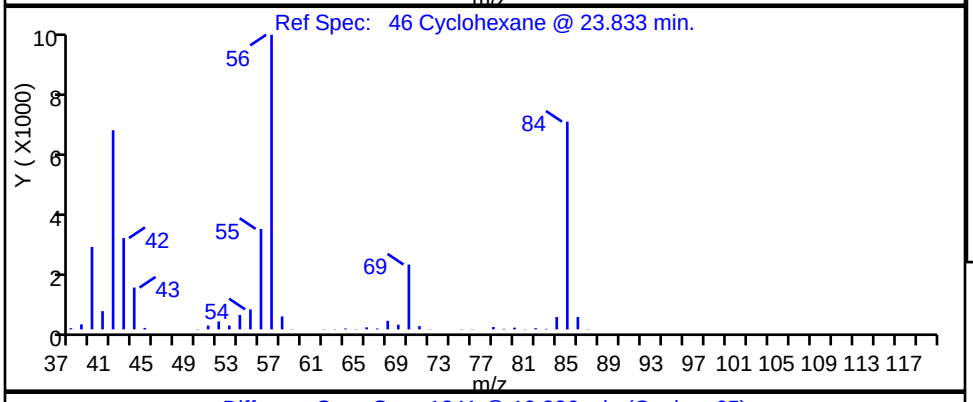
46 Cyclohexane, CAS: 110-82-7

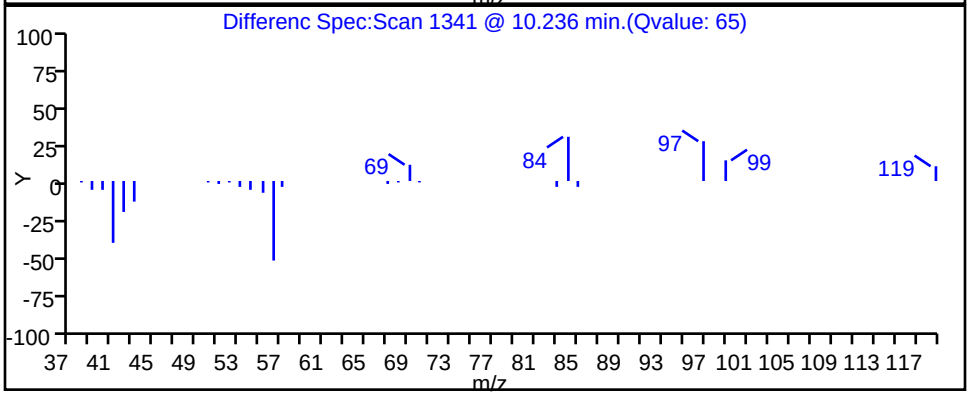












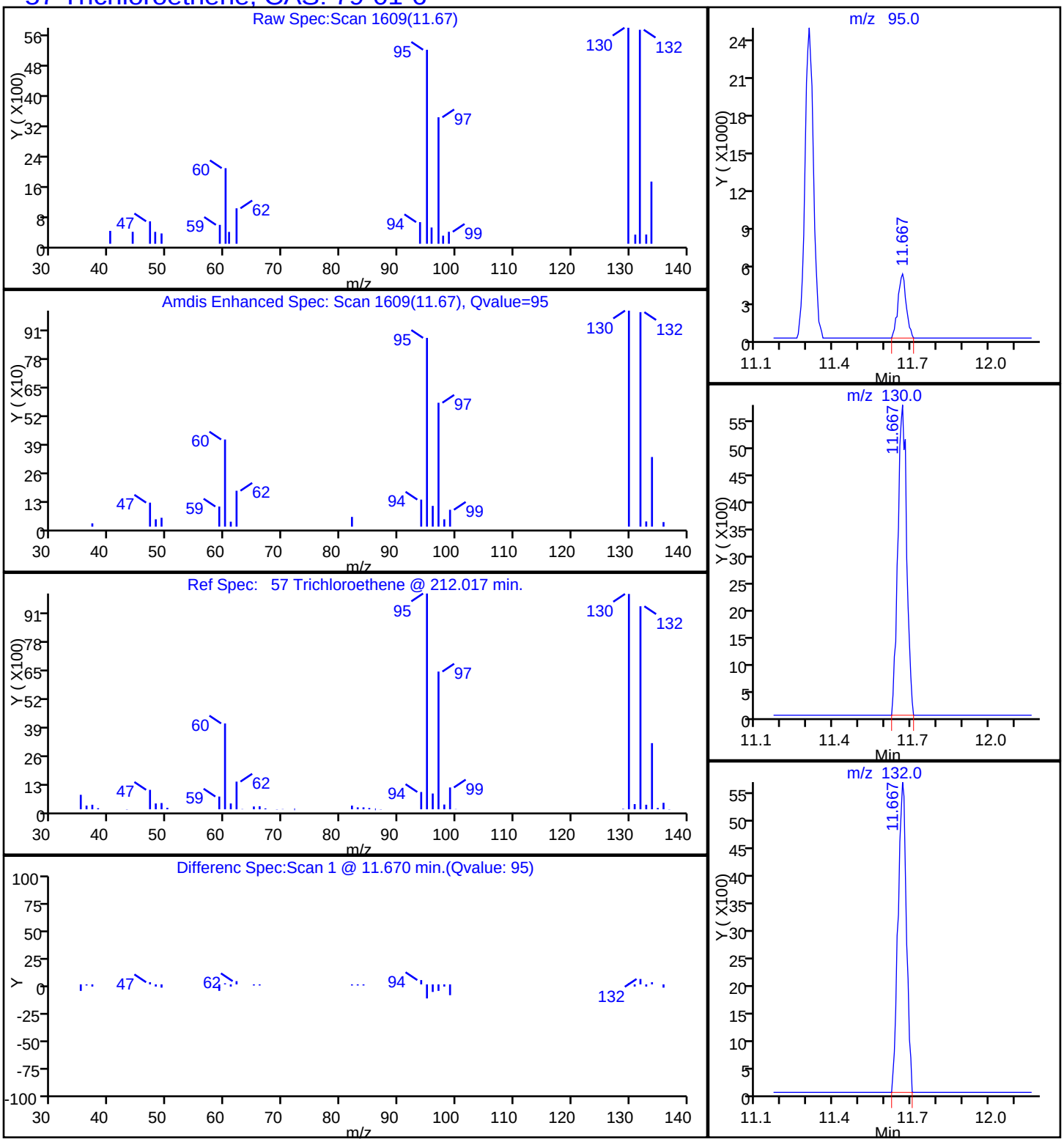
Report Date: 16-Oct-2014 11:43:57 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_10.D

Injection Date:	15-Oct-2014 18:53:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-5	Lab Sample ID:	200-24716-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

57 Trichloroethene, CAS: 79-01-6



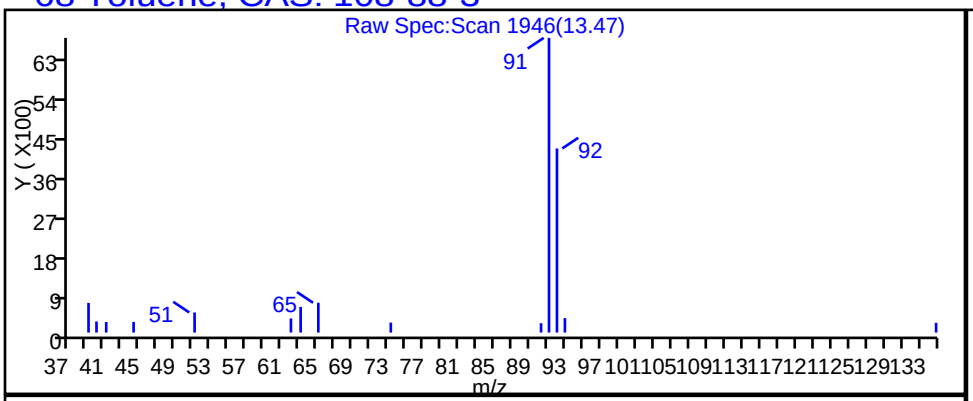
Report Date: 16-Oct-2014 11:43:57 Chrom Revision: 2.2 07-Oct-2014 12:16:06

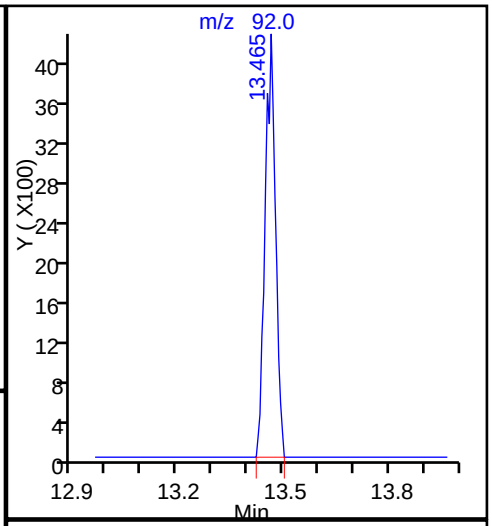
TestAmerica Burlington

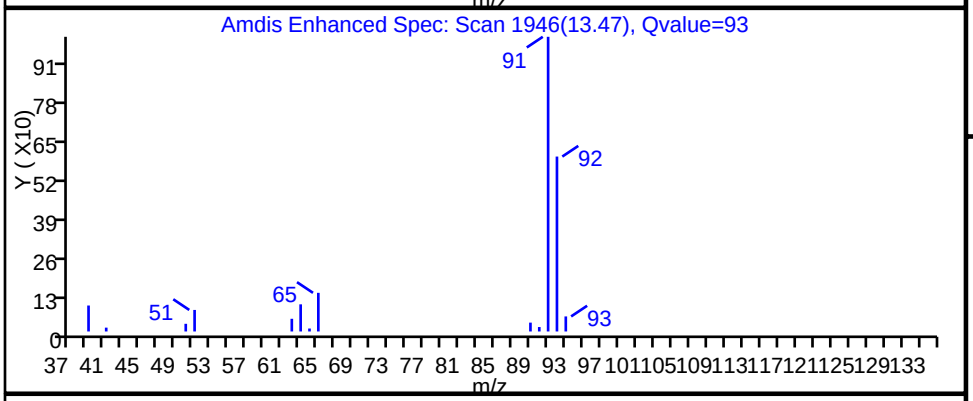
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_10.D

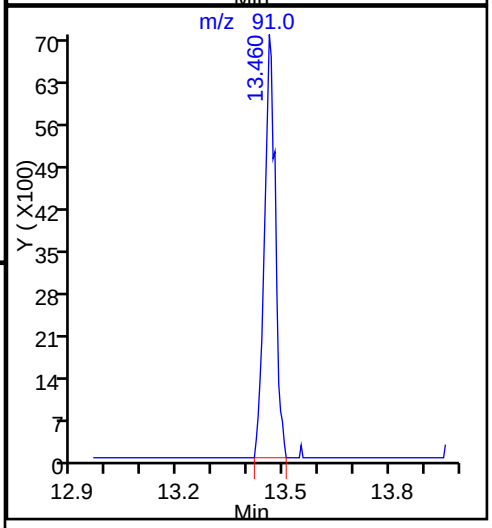
Injection Date:	15-Oct-2014 18:53:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-5	Lab Sample ID:	200-24716-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

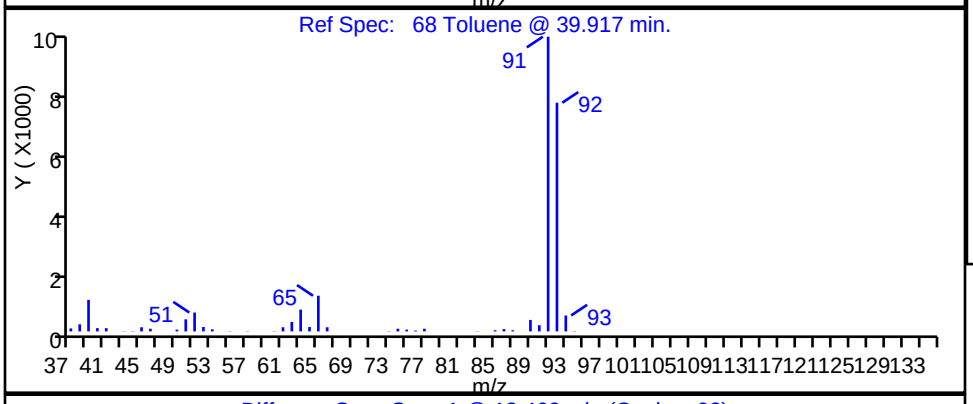
68 Toluene, CAS: 108-88-3

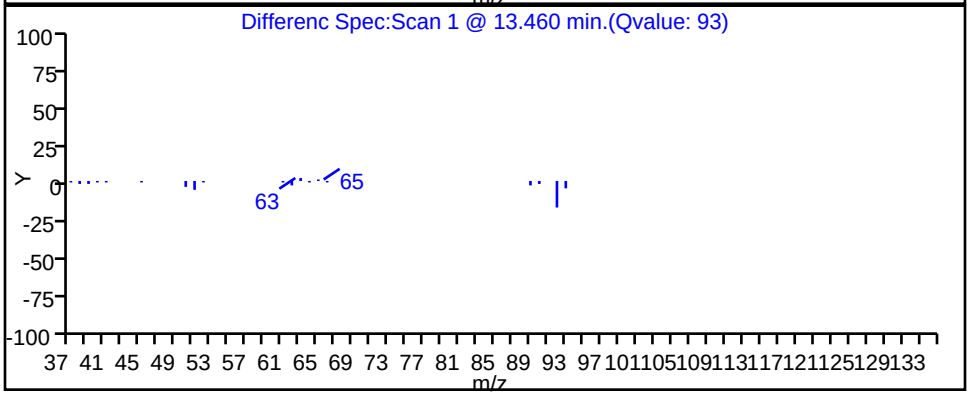












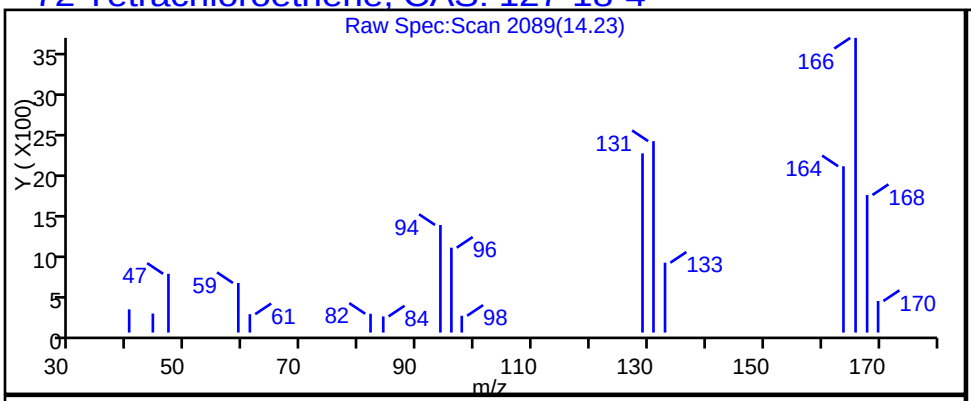
Report Date: 16-Oct-2014 11:43:57 Chrom Revision: 2.2 07-Oct-2014 12:16:06

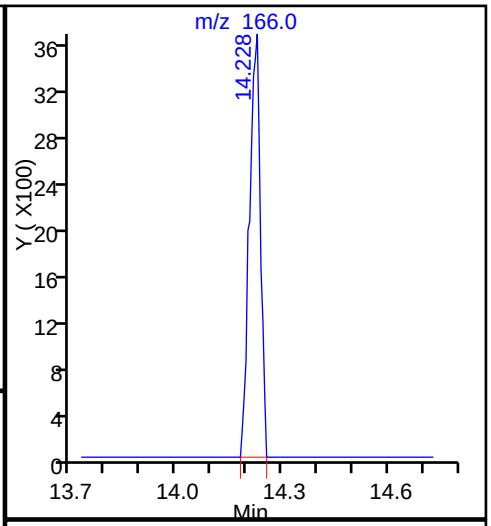
TestAmerica Burlington

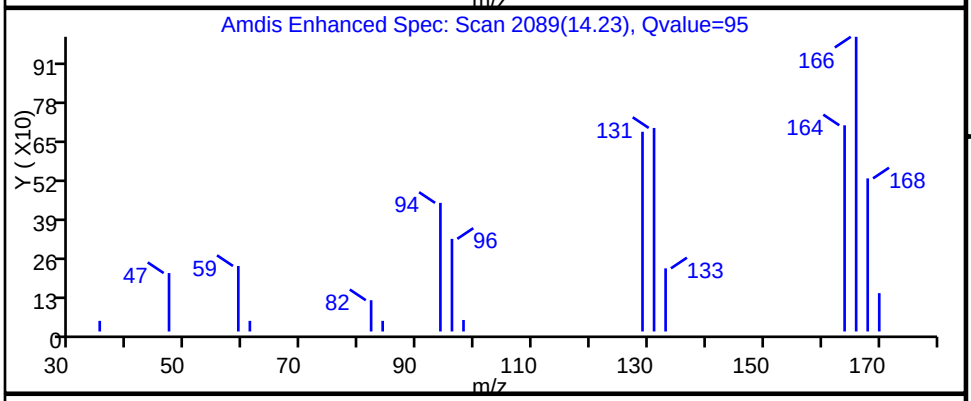
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_10.D

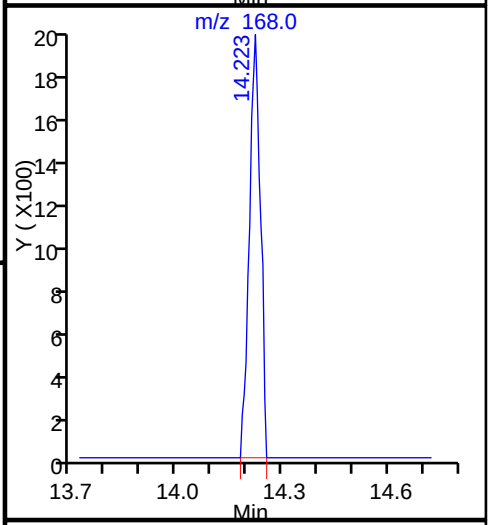
Injection Date:	15-Oct-2014 18:53:30	Instrument ID:	CHB.i
Lims ID:	200-24716-A-5	Lab Sample ID:	200-24716-5
Client ID:	SDS-5		
Operator ID:	pad	ALS Bottle#:	9 Worklist Smp#: 10
Purge Vol:	5.000 mL	Dil. Factor:	8.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

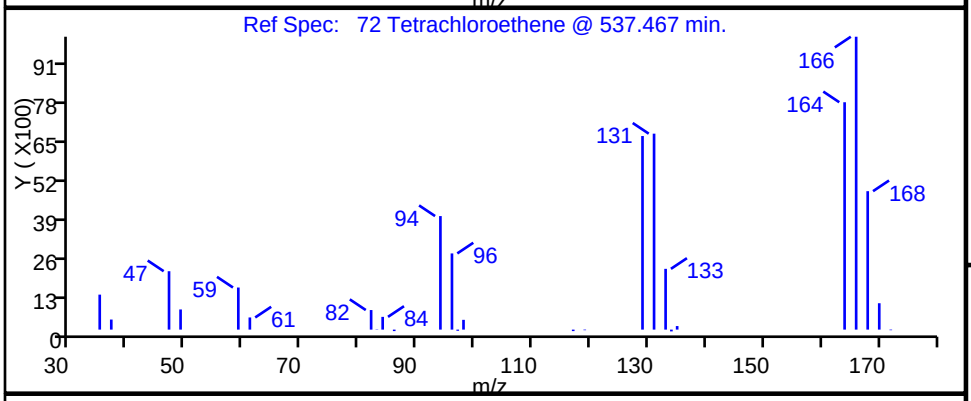
72 Tetrachloroethene, CAS: 127-18-4

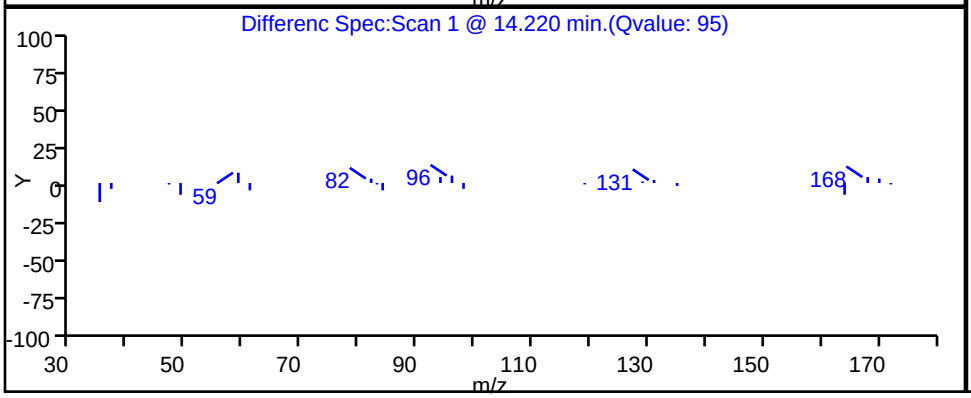


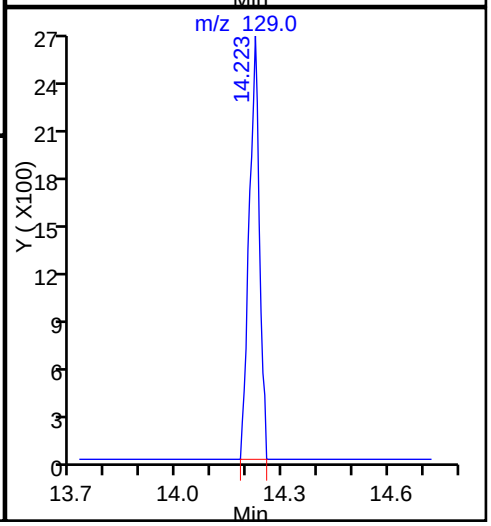












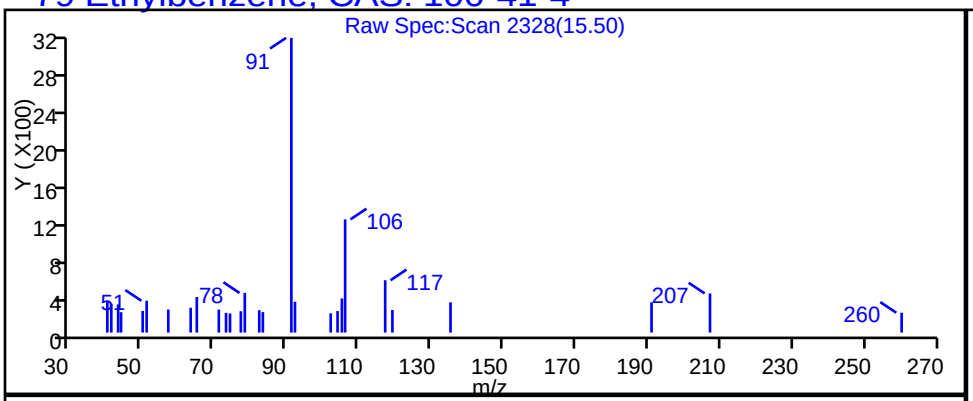
Report Date: 16-Oct-2014 11:43:57 Chrom Revision: 2.2 07-Oct-2014 12:16:06

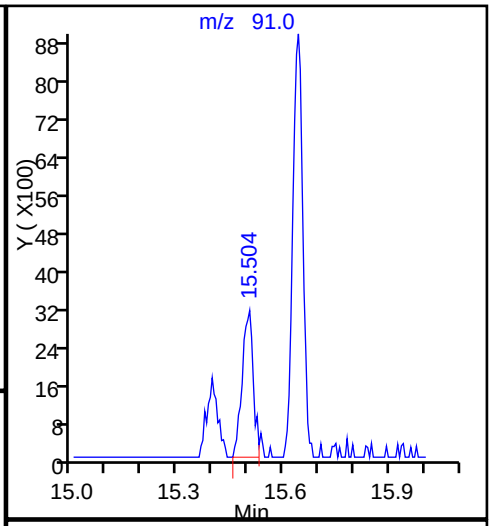
TestAmerica Burlington

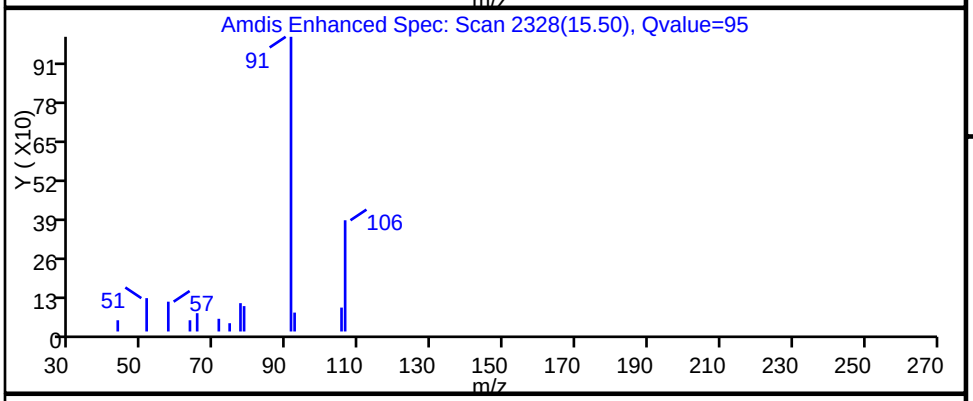
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_10.D

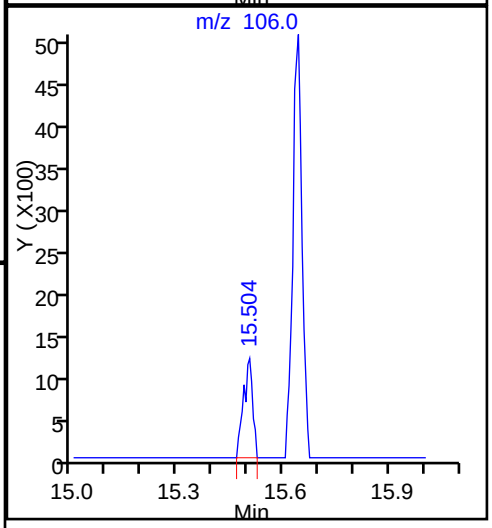
Injection Date:	15-Oct-2014 18:53:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-5	Lab Sample ID:	200-24716-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

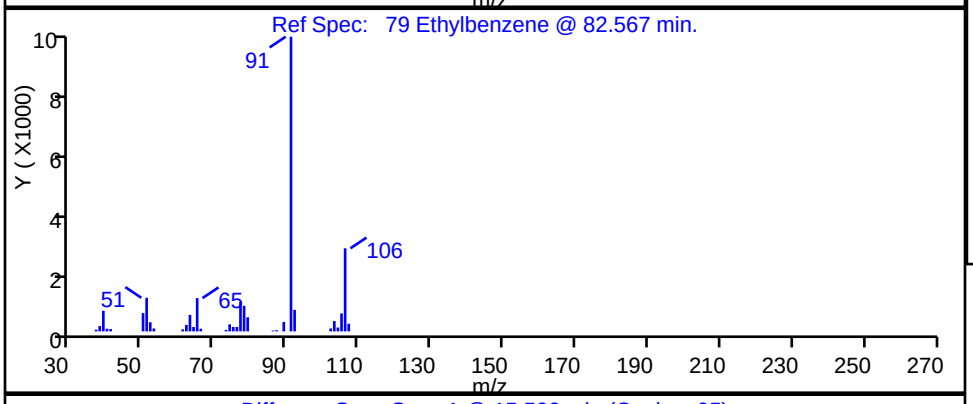
79 Ethylbenzene, CAS: 100-41-4

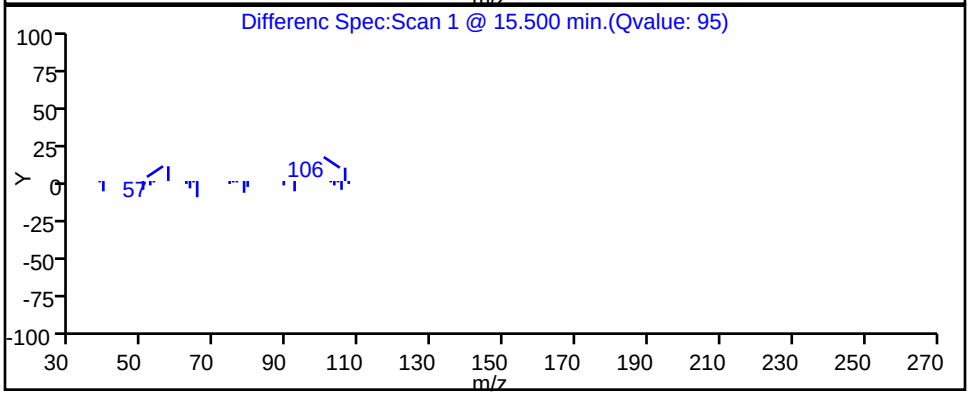












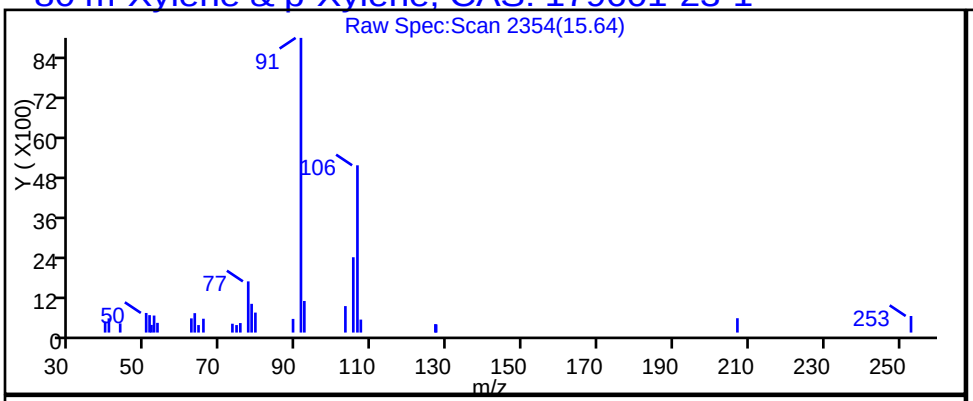
Report Date: 16-Oct-2014 11:43:57 Chrom Revision: 2.2 07-Oct-2014 12:16:06

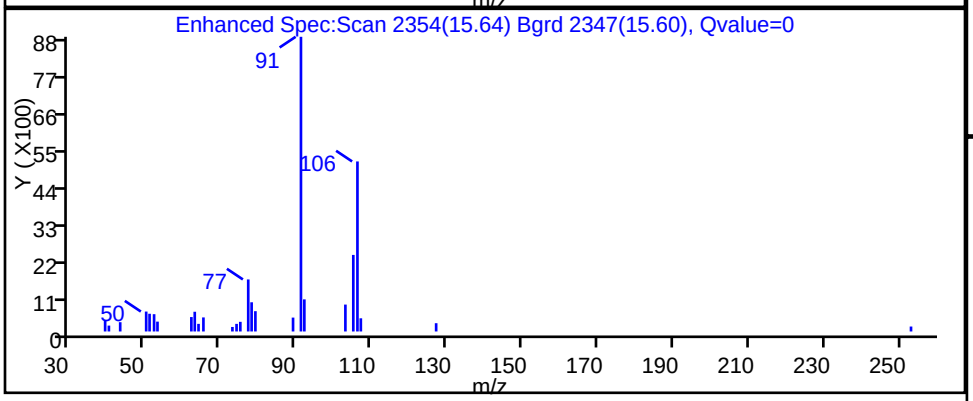
TestAmerica Burlington

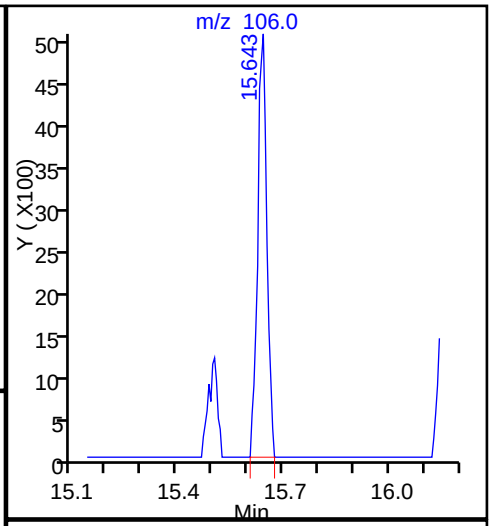
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_10.D

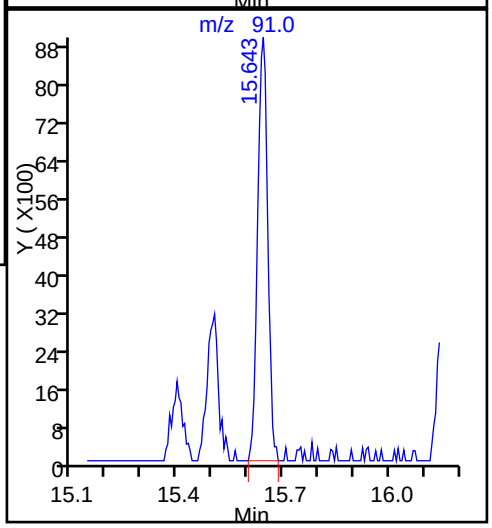
Injection Date:	15-Oct-2014 18:53:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-5	Lab Sample ID:	200-24716-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1









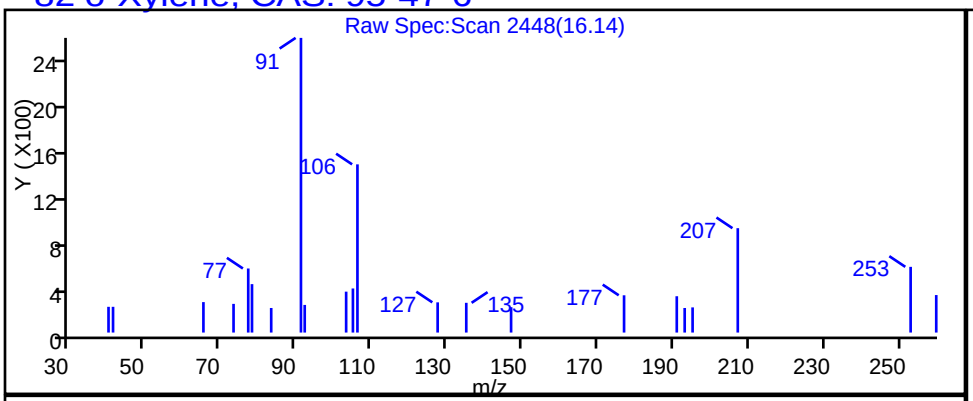
Report Date: 16-Oct-2014 11:43:57 Chrom Revision: 2.2 07-Oct-2014 12:16:06

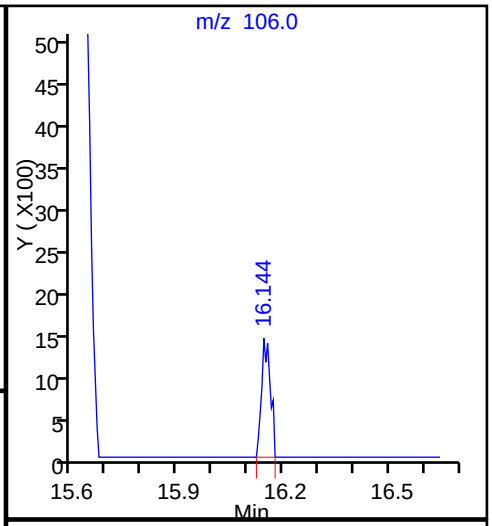
TestAmerica Burlington

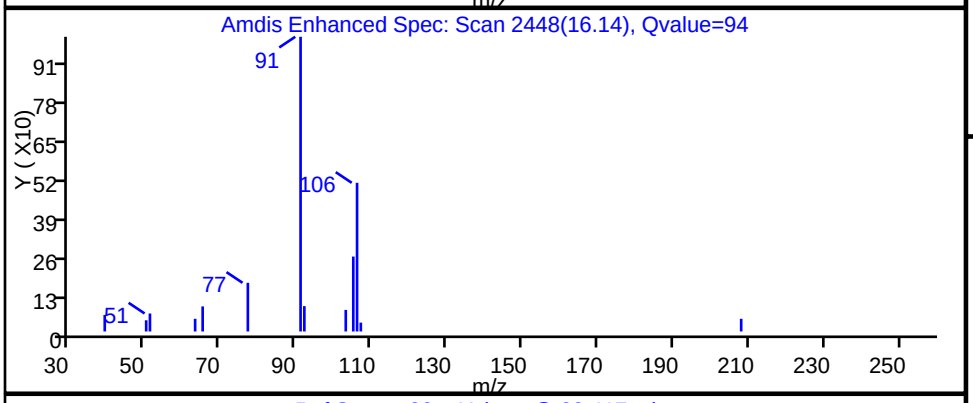
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_10.D

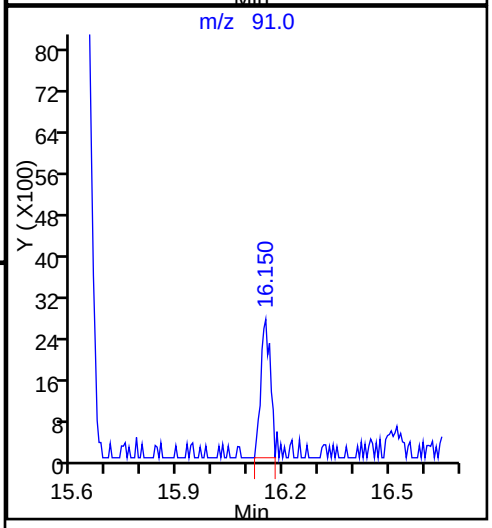
Injection Date:	15-Oct-2014 18:53:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-5	Lab Sample ID:	200-24716-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

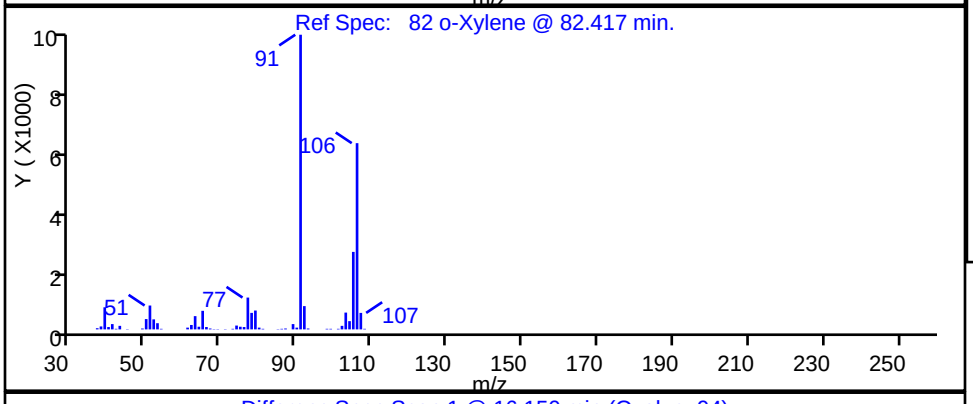
82 o-Xylene, CAS: 95-47-6

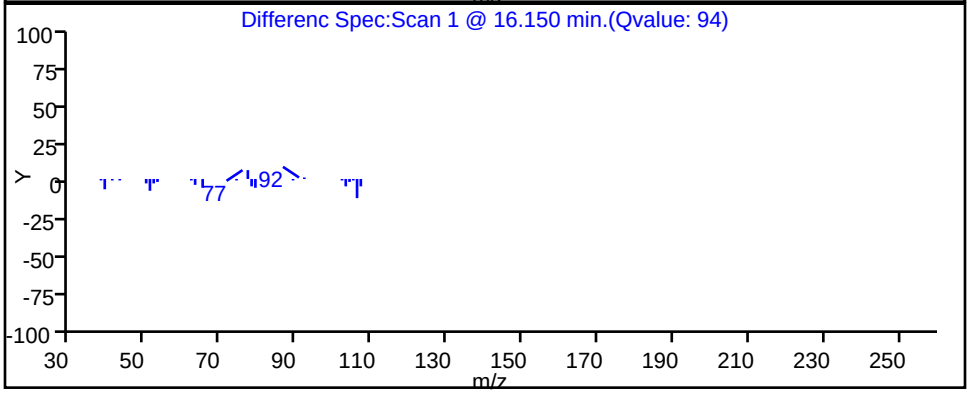












Manual Integration/User Assign Peak Report

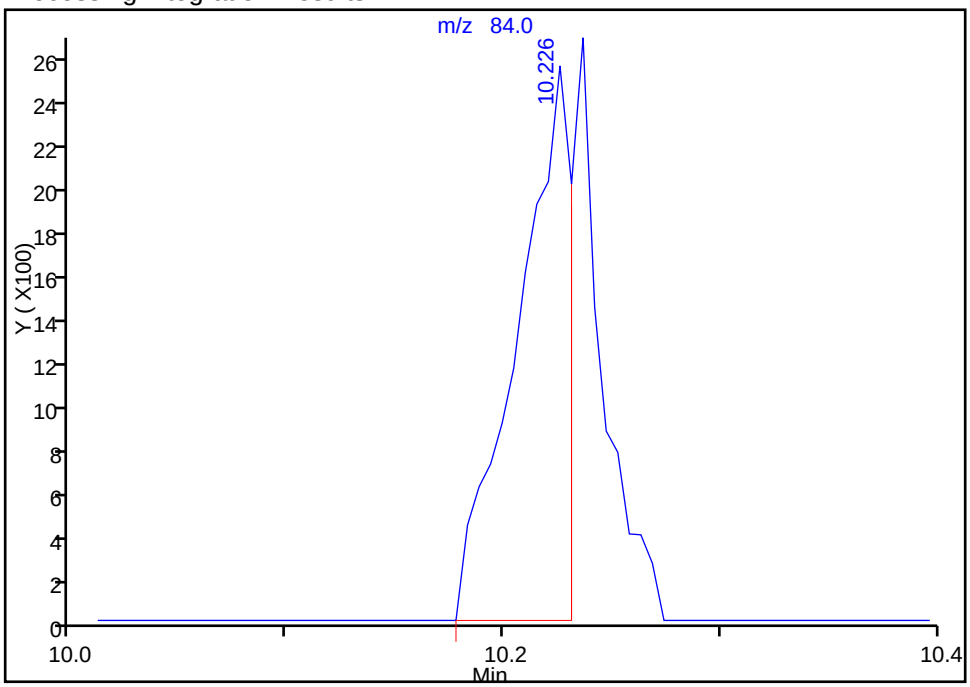
TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_10.D				
Injection Date:	15-Oct-2014 18:53:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-5	Lab Sample ID:	200-24716-5		
Client ID:	SDS-5				
Operator ID:	pad	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

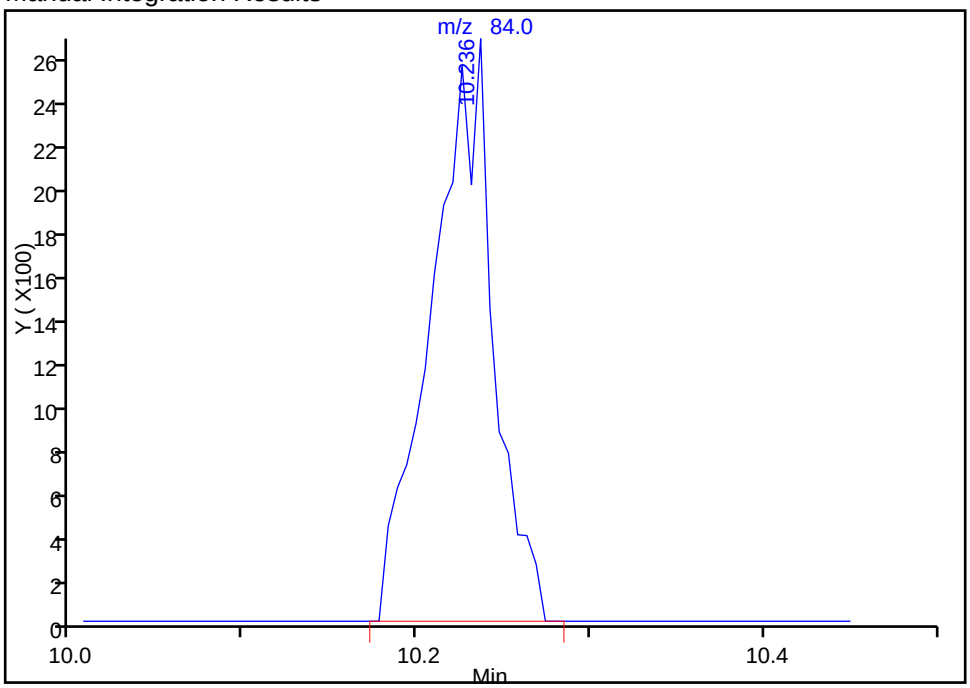
Processing Integration Results

RT: 10.23
Response: 4385
Amount: 0.092709



Manual Integration Results

RT: 10.24
Response: 6531
Amount: 0.138081



Reviewer: daiglep, 16-Oct-2014 11:19:59
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-6 Lab Sample ID: 200-24716-6

Matrix: Air Lab File ID: 10013_11.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:30

Sample wt/vol: 41(mL) Date Analyzed: 10/15/2014 19:46

Soil Aliquot Vol: Dilution Factor: 17.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	8.6	U	8.6	0.96
75-45-6	Freon 22	86.47	1.5	J	8.6	1.4
76-14-2	Freon-114	170.92	3.4	U	3.4	0.89
74-87-3	Chloromethane	50.49	8.6	U	8.6	1.0
106-97-8	n-Butane	58.12	8.6	U	8.6	3.1
75-01-4	Vinyl chloride	62.50	0.69	U	0.69	0.45
106-99-0	1,3-Butadiene	54.09	3.4	U	3.4	0.62
74-83-9	Bromomethane	94.94	3.4	U	3.4	0.76
75-00-3	Chloroethane	64.52	8.6	U	8.6	1.0
593-60-2	Vinyl bromide	106.96	3.4	U	3.4	0.34
75-69-4	Freon 11	137.37	3.4	U	3.4	0.77
76-13-1	Freon 113	187.38	3.4	U	3.4	0.71
75-35-4	1,1-Dichloroethene	96.94	3.4	U	3.4	0.17
67-64-1	Acetone	58.08	86	U	86	12
67-63-0	Isopropyl alcohol	60.10	360		86	2.6
75-15-0	Carbon disulfide	76.14	8.6	U	8.6	0.52
107-05-1	Allyl chloride	76.53	8.6	U	8.6	2.8
75-09-2	Methylene Chloride	84.93	64		8.6	2.1
75-65-0	tert-Butyl alcohol	74.12	86	U	86	2.1
1634-04-4	Methyl tert-butyl ether	88.15	3.4	U	3.4	0.38
156-60-5	trans-1,2-Dichloroethene	96.94	3.4	U	3.4	0.46
110-54-3	Hexane	86.17	3.4	U	3.4	0.48
75-34-3	1,1-Dichloroethane	98.96	3.4	U	3.4	0.48
78-93-3	Methyl Ethyl Ketone	72.11	8.6	U	8.6	1.6
156-59-2	cis-1,2-Dichloroethene	96.94	3.4	U	3.4	0.52
540-59-0	1,2-Dichloroethene, Total	96.94	3.4	U	3.4	0.91
67-66-3	Chloroform	119.38	3.4	U	3.4	0.65
109-99-9	Tetrahydrofuran	72.11	86	U	86	3.1
71-55-6	1,1,1-Trichloroethane	133.41	3.4	U	3.4	0.52
110-82-7	Cyclohexane	84.16	3.3	J	3.4	0.17
56-23-5	Carbon tetrachloride	153.81	0.69	U	0.69	0.19
540-84-1	2,2,4-Trimethylpentane	114.23	3.4	U	3.4	0.40
71-43-2	Benzene	78.11	3.4	U	3.4	0.50
107-06-2	1,2-Dichloroethane	98.96	3.4	U	3.4	0.89
142-82-5	Heptane	100.21	3.4	U	3.4	0.64

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-6 Lab Sample ID: 200-24716-6

Matrix: Air Lab File ID: 10013_11.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:30

Sample wt/vol: 41(mL) Date Analyzed: 10/15/2014 19:46

Soil Aliquot Vol: Dilution Factor: 17.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.69	U	0.69	0.52
80-62-6	Methyl methacrylate	100.12	8.6	U	8.6	1.7
78-87-5	1,2-Dichloropropane	112.99	3.4	U	3.4	0.60
123-91-1	1,4-Dioxane	88.11	86	U	86	2.8
75-27-4	Bromodichloromethane	163.83	3.4	U	3.4	0.50
10061-01-5	cis-1,3-Dichloropropene	110.97	3.4	U	3.4	0.50
108-10-1	methyl isobutyl ketone	100.16	8.6	U	8.6	3.1
108-88-3	Toluene	92.14	1.9	J	3.4	0.43
10061-02-6	trans-1,3-Dichloropropene	110.97	3.4	U	3.4	0.45
79-00-5	1,1,2-Trichloroethane	133.41	3.4	U	3.4	0.64
127-18-4	Tetrachloroethene	165.83	1.2	J	3.4	0.52
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.6	U	8.6	2.9
124-48-1	Dibromochloromethane	208.29	3.4	U	3.4	0.34
106-93-4	1,2-Dibromoethane	187.87	3.4	U	3.4	0.31
108-90-7	Chlorobenzene	112.56	3.4	U	3.4	0.31
100-41-4	Ethylbenzene	106.17	3.4	U	3.4	0.34
179601-23-1	m,p-Xylene	106.17	8.6	U	8.6	0.43
95-47-6	Xylene, o-	106.17	3.4	U	3.4	0.31
1330-20-7	Xylene (total)	106.17	3.4	U	3.4	0.71
100-42-5	Styrene	104.15	3.4	U	3.4	0.28
75-25-2	Bromoform	252.75	3.4	U	3.4	0.43
79-34-5	1,1,2,2-Tetrachloroethane	167.85	3.4	U	3.4	0.58
103-65-1	n-Propylbenzene	120.19	3.4	U	3.4	0.46
622-96-8	4-Ethyltoluene	120.20	3.4	U	3.4	0.34
108-67-8	1,3,5-Trimethylbenzene	120.20	3.4	U	3.4	0.33
95-49-8	2-Chlorotoluene	126.59	3.4	U	3.4	0.53
98-06-6	tert-Butylbenzene	134.22	3.4	U	3.4	0.34
95-63-6	1,2,4-Trimethylbenzene	120.20	3.4	U	3.4	0.28
135-98-8	sec-Butylbenzene	134.22	3.4	U	3.4	0.36
99-87-6	4-Isopropyltoluene	134.22	3.4	U	3.4	0.34
541-73-1	1,3-Dichlorobenzene	147.00	3.4	U	3.4	0.34
106-46-7	1,4-Dichlorobenzene	147.00	3.4	U	3.4	0.33
100-44-7	Benzyl chloride	126.58	3.4	U	3.4	0.31
104-51-8	n-Butylbenzene	134.22	3.4	U	3.4	0.48

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-6 Lab Sample ID: 200-24716-6

Matrix: Air Lab File ID: 10013_11.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:30

Sample wt/vol: 41(mL) Date Analyzed: 10/15/2014 19:46

Soil Aliquot Vol: Dilution Factor: 17.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	3.4	U	3.4	0.31
120-82-1	1,2,4-Trichlorobenzene	181.45	8.6	U	8.6	0.58
87-68-3	Hexachloro-1,3-butadiene	260.76	3.4	U	3.4	0.62
91-20-3	Naphthalene	128.17	8.6	U	8.6	0.52

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-6 Lab Sample ID: 200-24716-6

Matrix: Air Lab File ID: 10013_11.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:30

Sample wt/vol: 41(mL) Date Analyzed: 10/15/2014 19:46

Soil Aliquot Vol: Dilution Factor: 17.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	43	U	43	4.8
75-45-6	Freon 22	86.47	5.2	J	30	4.9
76-14-2	Freon-114	170.92	24	U	24	6.3
74-87-3	Chloromethane	50.49	18	U	18	2.1
106-97-8	n-Butane	58.12	20	U	20	7.4
75-01-4	Vinyl chloride	62.50	1.8	U	1.8	1.1
106-99-0	1,3-Butadiene	54.09	7.6	U	7.6	1.4
74-83-9	Bromomethane	94.94	13	U	13	2.9
75-00-3	Chloroethane	64.52	23	U	23	2.8
593-60-2	Vinyl bromide	106.96	15	U	15	1.5
75-69-4	Freon 11	137.37	19	U	19	4.3
76-13-1	Freon 113	187.38	26	U	26	5.4
75-35-4	1,1-Dichloroethene	96.94	14	U	14	0.68
67-64-1	Acetone	58.08	200	U	200	28
67-63-0	Isopropyl alcohol	60.10	900		210	6.3
75-15-0	Carbon disulfide	76.14	27	U	27	1.6
107-05-1	Allyl chloride	76.53	27	U	27	8.6
75-09-2	Methylene Chloride	84.93	220		30	7.2
75-65-0	tert-Butyl alcohol	74.12	260	U	260	6.3
1634-04-4	Methyl tert-butyl ether	88.15	12	U	12	1.4
156-60-5	trans-1,2-Dichloroethene	96.94	14	U	14	1.8
110-54-3	Hexane	86.17	12	U	12	1.7
75-34-3	1,1-Dichloroethane	98.96	14	U	14	1.9
78-93-3	Methyl Ethyl Ketone	72.11	25	U	25	4.7
156-59-2	cis-1,2-Dichloroethene	96.94	14	U	14	2.0
540-59-0	1,2-Dichloroethene, Total	96.94	14	U	14	3.6
67-66-3	Chloroform	119.38	17	U	17	3.2
109-99-9	Tetrahydrofuran	72.11	250	U	250	9.1
71-55-6	1,1,1-Trichloroethane	133.41	19	U	19	2.8
110-82-7	Cyclohexane	84.16	11	J	12	0.59
56-23-5	Carbon tetrachloride	153.81	4.3	U	4.3	1.2
540-84-1	2,2,4-Trimethylpentane	114.23	16	U	16	1.8
71-43-2	Benzene	78.11	11	U	11	1.6
107-06-2	1,2-Dichloroethane	98.96	14	U	14	3.6
142-82-5	Heptane	100.21	14	U	14	2.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-6 Lab Sample ID: 200-24716-6

Matrix: Air Lab File ID: 10013_11.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:30

Sample wt/vol: 41(mL) Date Analyzed: 10/15/2014 19:46

Soil Aliquot Vol: Dilution Factor: 17.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	3.7	U	3.7	2.8
80-62-6	Methyl methacrylate	100.12	35	U	35	6.8
78-87-5	1,2-Dichloropropane	112.99	16	U	16	2.8
123-91-1	1,4-Dioxane	88.11	310	U	310	9.9
75-27-4	Bromodichloromethane	163.83	23	U	23	3.3
10061-01-5	cis-1,3-Dichloropropene	110.97	16	U	16	2.3
108-10-1	methyl isobutyl ketone	100.16	35	U	35	13
108-88-3	Toluene	92.14	7.0	J	13	1.6
10061-02-6	trans-1,3-Dichloropropene	110.97	16	U	16	2.0
79-00-5	1,1,2-Trichloroethane	133.41	19	U	19	3.5
127-18-4	Tetrachloroethene	165.83	7.8	J	23	3.5
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	35	U	35	12
124-48-1	Dibromochloromethane	208.29	29	U	29	2.9
106-93-4	1,2-Dibromoethane	187.87	26	U	26	2.4
108-90-7	Chlorobenzene	112.56	16	U	16	1.4
100-41-4	Ethylbenzene	106.17	15	U	15	1.5
179601-23-1	m,p-Xylene	106.17	37	U	37	1.9
95-47-6	Xylene, o-	106.17	15	U	15	1.3
1330-20-7	Xylene (total)	106.17	15	U	15	3.1
100-42-5	Styrene	104.15	15	U	15	1.2
75-25-2	Bromoform	252.75	36	U	36	4.4
79-34-5	1,1,2,2-Tetrachloroethane	167.85	24	U	24	4.0
103-65-1	n-Propylbenzene	120.19	17	U	17	2.3
622-96-8	4-Ethyltoluene	120.20	17	U	17	1.7
108-67-8	1,3,5-Trimethylbenzene	120.20	17	U	17	1.6
95-49-8	2-Chlorotoluene	126.59	18	U	18	2.8
98-06-6	tert-Butylbenzene	134.22	19	U	19	1.9
95-63-6	1,2,4-Trimethylbenzene	120.20	17	U	17	1.4
135-98-8	sec-Butylbenzene	134.22	19	U	19	2.0
99-87-6	4-Isopropyltoluene	134.22	19	U	19	1.9
541-73-1	1,3-Dichlorobenzene	147.00	21	U	21	2.1
106-46-7	1,4-Dichlorobenzene	147.00	21	U	21	2.0
100-44-7	Benzyl chloride	126.58	18	U	18	1.6
104-51-8	n-Butylbenzene	134.22	19	U	19	2.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-6 Lab Sample ID: 200-24716-6

Matrix: Air Lab File ID: 10013_11.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:30

Sample wt/vol: 41(mL) Date Analyzed: 10/15/2014 19:46

Soil Aliquot Vol: Dilution Factor: 17.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	21	U	21	1.9
120-82-1	1,2,4-Trichlorobenzene	181.45	64	U	64	4.3
87-68-3	Hexachloro-1,3-butadiene	260.76	37	U	37	6.6
91-20-3	Naphthalene	128.17	45	U	45	2.7

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_11.D
Lims ID: 200-24716-A-6 Lab Sample ID: 200-24716-6
Client ID: SDS-6
Sample Type: Client
Inject. Date: 15-Oct-2014 19:46:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 17.2000
Sample Info: 200-0010013-011
Misc. Info.: 24716-06
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 16-Oct-2014 11:43:38 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 16-Oct-2014 11:21:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85		3.224				ND	
6 Chlorodifluoromethane	51	3.272	3.266	0.006	93	4253	0.0850	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.453				ND	
8 Chloromethane	50		3.592				ND	
9 Butane	43		3.773				ND	
10 Vinyl chloride	62		3.816				ND	
11 Butadiene	54		3.880				ND	
12 Bromomethane	94		4.595				ND	
14 Chloroethane	64		4.841				ND	
16 Vinyl bromide	106		5.257				ND	
17 Trichlorofluoromethane	101		5.353				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.399				ND	
24 1,1-Dichloroethene	96		6.479				ND	
25 Acetone	43		6.655				ND	
26 Isopropyl alcohol	45	6.858	6.858	0.000	96	743475	21.2	
27 Carbon disulfide	76		6.912				ND	
29 3-Chloro-1-propene	41		7.200				ND	
31 Methylene Chloride	49	7.467	7.467	0.000	80	110033	3.69	
32 2-Methyl-2-propanol	59		7.568				ND	
33 Methyl tert-butyl ether	73		7.798				ND	
34 trans-1,2-Dichloroethene	61		7.867				ND	
36 Hexane	57		8.182				ND	
37 1,1-Dichloroethane	63		8.625				ND	
* 44 Chlorobromomethane	128	9.906	9.906	0.000	67	425823	10.0	
39 cis-1,2-Dichloroethene	96		9.532				ND	
40 2-Butanone (MEK)	72		9.532				ND	
43 Tetrahydrofuran	42		9.906				ND	
45 Chloroform	83		9.975				ND	
S 42 1,2-Dichloroethene, Total	61		10.000				0	
47 1,1,1-Trichloroethane	97		10.226				ND	
46 Cyclohexane	84	10.221	10.226	-0.005	78	10029	0.1912	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		10.423				ND	
49 Isooctane	57		10.695				ND	
50 Benzene	78		10.760				ND	
51 1,2-Dichloroethane	62		10.877				ND	
52 n-Heptane	43		10.941				ND	
* 54 1,4-Difluorobenzene	114	11.304	11.304	0.000	92	2064514	10.0	
57 Trichloroethene	95		11.667				ND	
58 1,2-Dichloropropane	63		12.056				ND	
59 Methyl methacrylate	69		12.078				ND	
60 1,4-Dioxane	88		12.174				ND	
62 Dichlorobromomethane	83		12.409				ND	
64 cis-1,3-Dichloropropene	75		13.038				ND	
65 4-Methyl-2-pentanone (MIBK	43		13.188				ND	
68 Toluene	92	13.460	13.460	0.000	96	9937	0.1077	
70 trans-1,3-Dichloropropene	75		13.834				ND	
71 1,1,2-Trichloroethane	83		14.106				ND	
72 Tetrachloroethene	166	14.218	14.223	-0.005	94	6387	0.0672	
73 2-Hexanone	43		14.357				ND	
74 Chlorodibromomethane	129		14.650				ND	
75 Ethylene Dibromide	107		14.853				ND	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	84	1832877	10.0	
77 Chlorobenzene	112		15.435				ND	
79 Ethylbenzene	91		15.499				ND	
80 m-Xylene & p-Xylene	106		15.643				ND	
S 81 Xylenes, Total	106		16.000				0	
82 o-Xylene	106		16.150				ND	
83 Styrene	104		16.176				ND	
84 Bromoform	173		16.470				ND	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	92	1398674	NC	
87 1,1,2,2-Tetrachloroethane	83		16.972				ND	
88 N-Propylbenzene	91		17.030				ND	
91 4-Ethyltoluene	105		17.153				ND	
92 2-Chlorotoluene	91		17.201				ND	
93 1,3,5-Trimethylbenzene	105		17.223				ND	
95 tert-Butylbenzene	119		17.601				ND	
96 1,2,4-Trimethylbenzene	105		17.676				ND	
97 sec-Butylbenzene	105		17.863				ND	
98 4-Isopropyltoluene	119		18.018				ND	
99 1,3-Dichlorobenzene	146		18.103				ND	
100 1,4-Dichlorobenzene	146		18.215				ND	
101 Benzyl chloride	91		18.381				ND	
103 n-Butylbenzene	91		18.535				ND	
104 1,2-Dichlorobenzene	146		18.717				ND	
107 1,2,4-Trichlorobenzene	180		21.140				ND	
108 Hexachlorobutadiene	225		21.300				ND	
109 Naphthalene	128		21.652				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15BISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

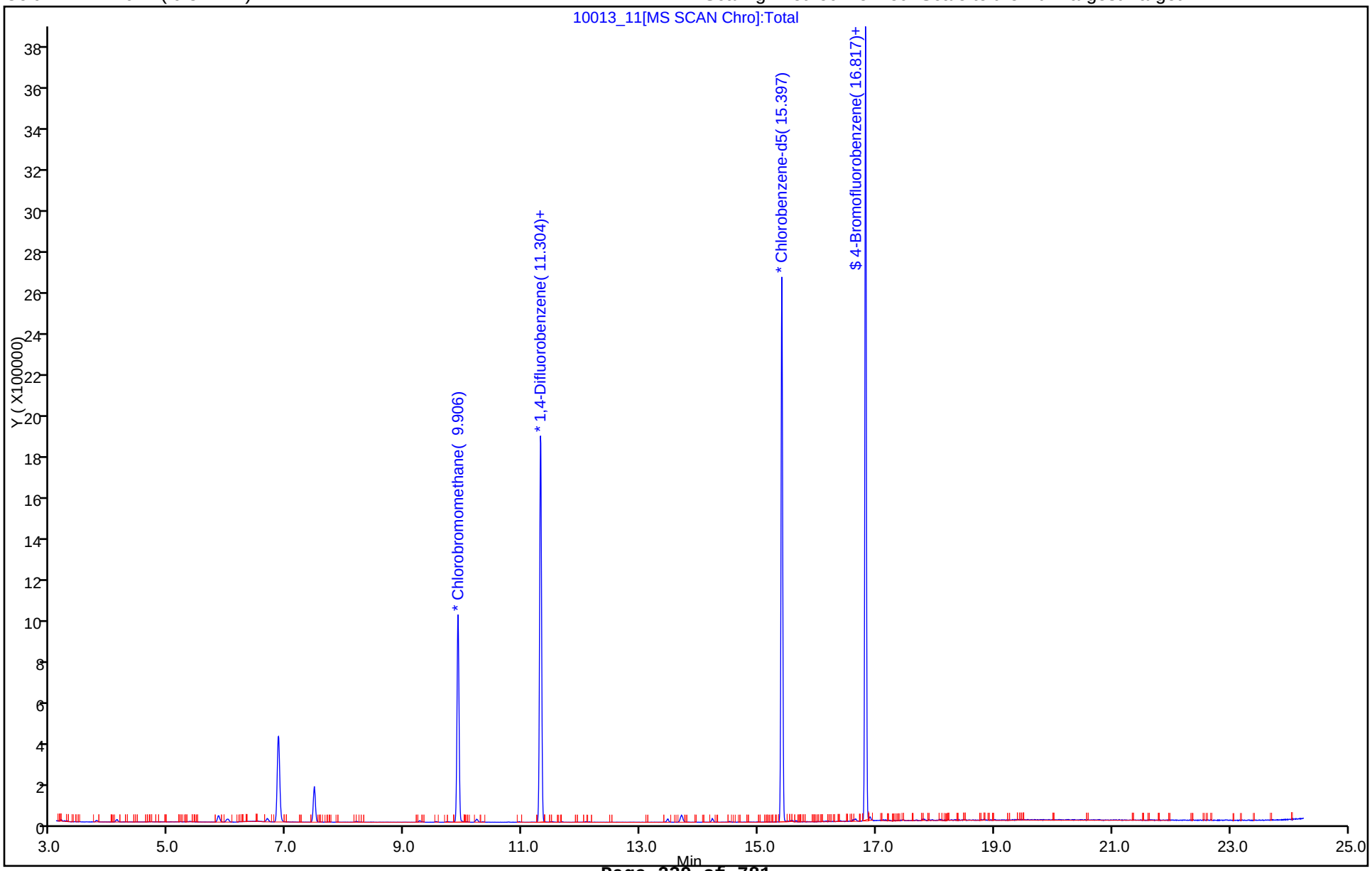
Report Date: 16-Oct-2014 11:43:58 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_11.D

Injection Date:	15-Oct-2014 19:46:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-24716-A-6	Lab Sample ID:	200-24716-6	Worklist Smp#:	11
Client ID:	SDS-6				
Purge Vol:	5.000 mL	Dil. Factor:	17.2000	ALS Bottle#:	10
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



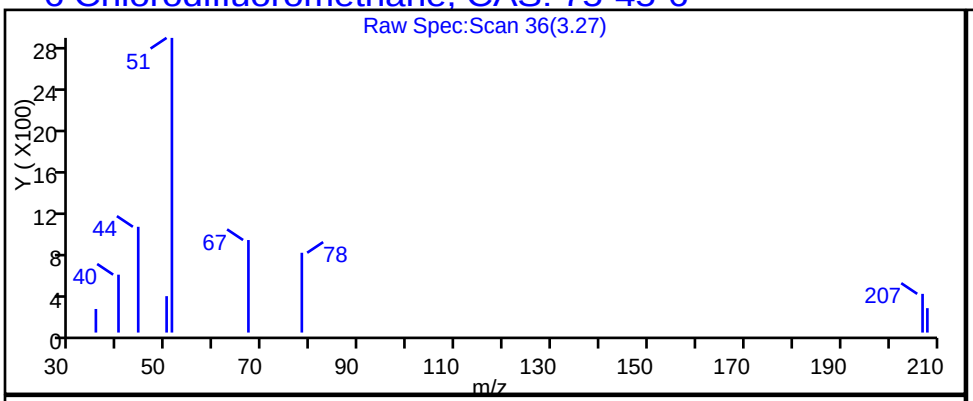
Report Date: 16-Oct-2014 11:43:58 Chrom Revision: 2.2 07-Oct-2014 12:16:06

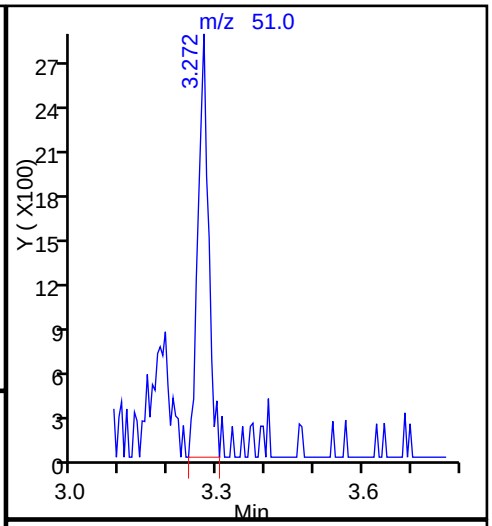
TestAmerica Burlington

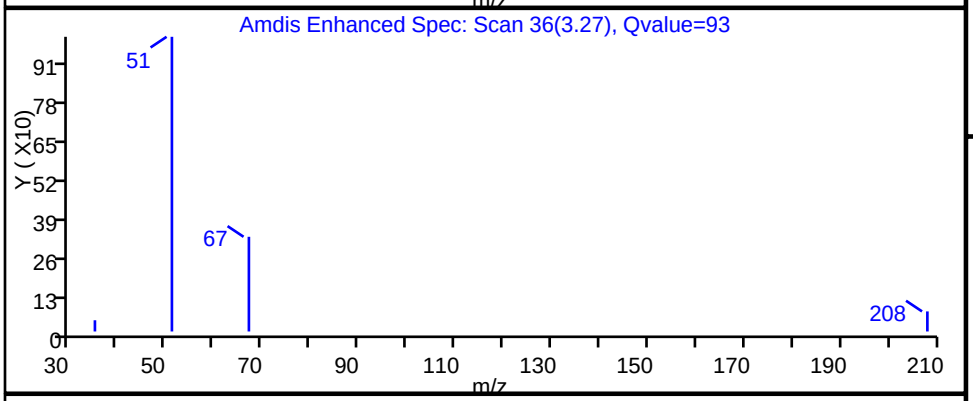
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_11.D

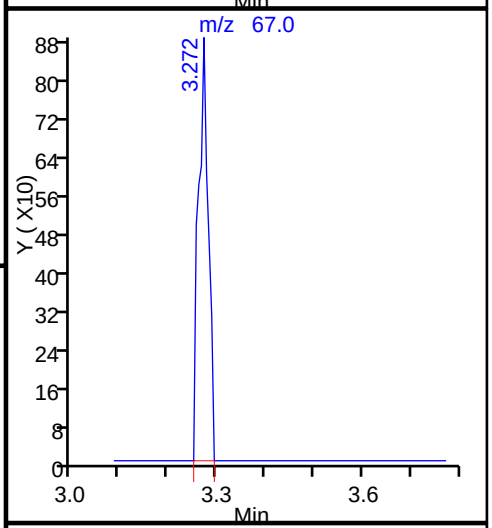
Injection Date:	15-Oct-2014 19:46:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-6	Lab Sample ID:	200-24716-6		
Client ID:	SDS-6				
Operator ID:	pad	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	17.2000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

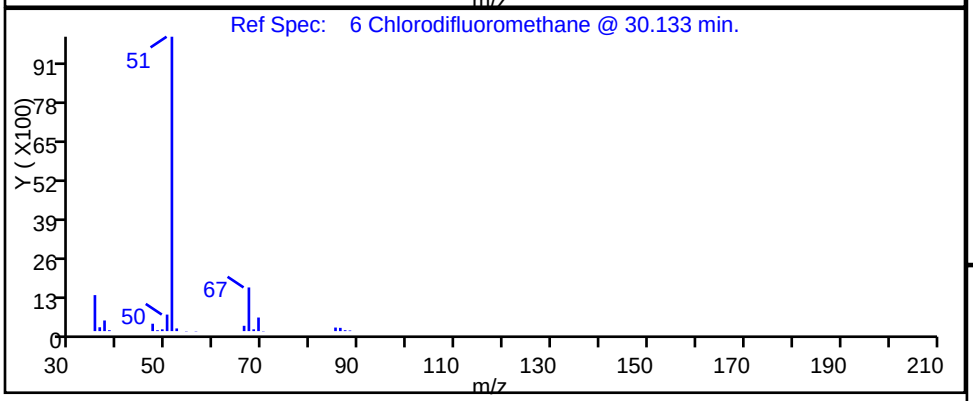
6 Chlorodifluoromethane, CAS: 75-45-6

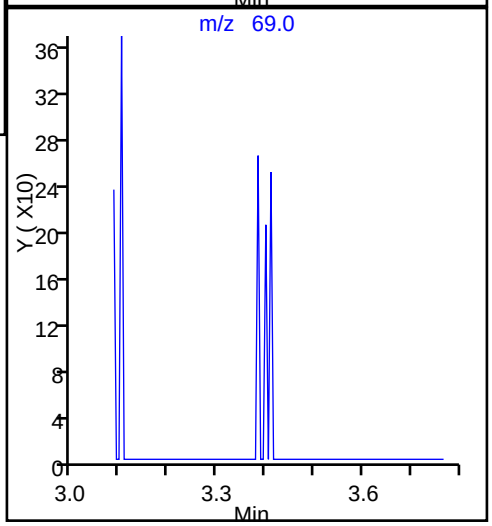












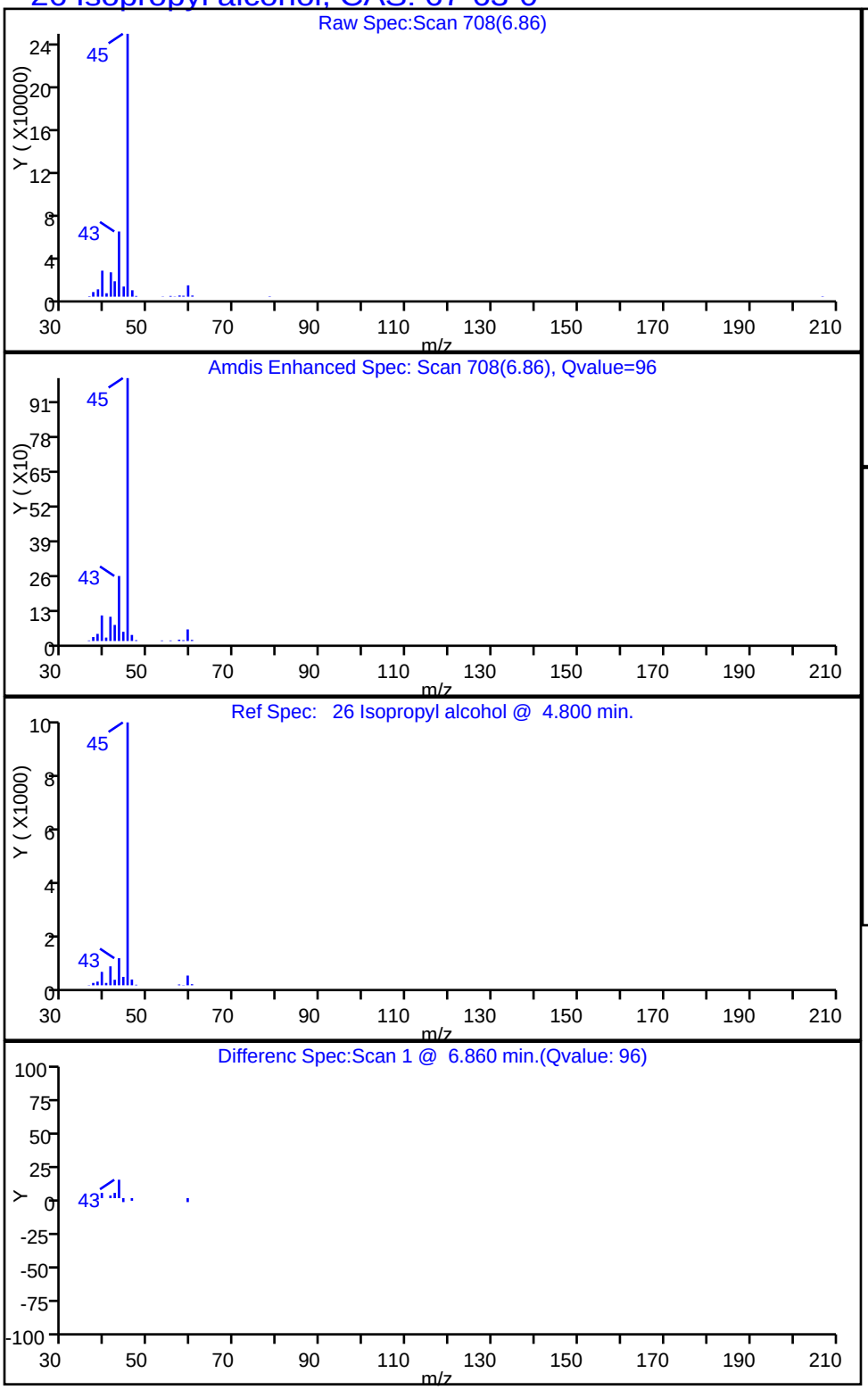
Report Date: 16-Oct-2014 11:43:58 Chrom Revision: 2.2 07-Oct-2014 12:16:06

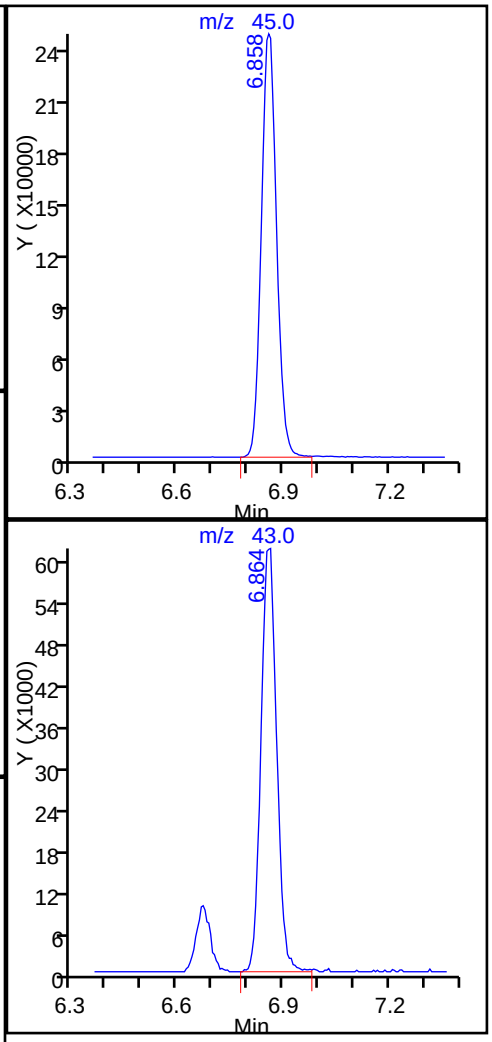
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_11.D

Injection Date:	15-Oct-2014 19:46:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-6	Lab Sample ID:	200-24716-6		
Client ID:	SDS-6				
Operator ID:	pad	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	17.2000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 Isopropyl alcohol, CAS: 67-63-0





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TestAmerica Burlington

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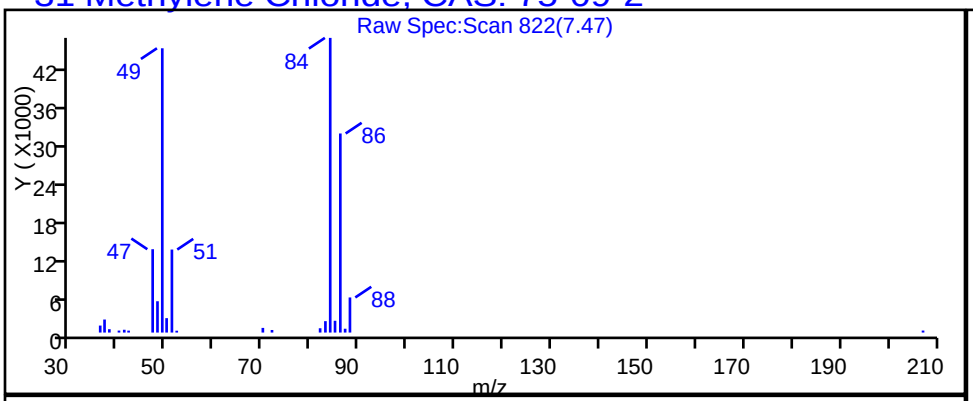
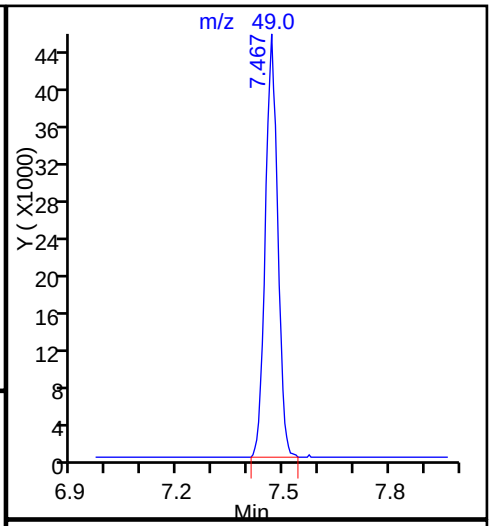
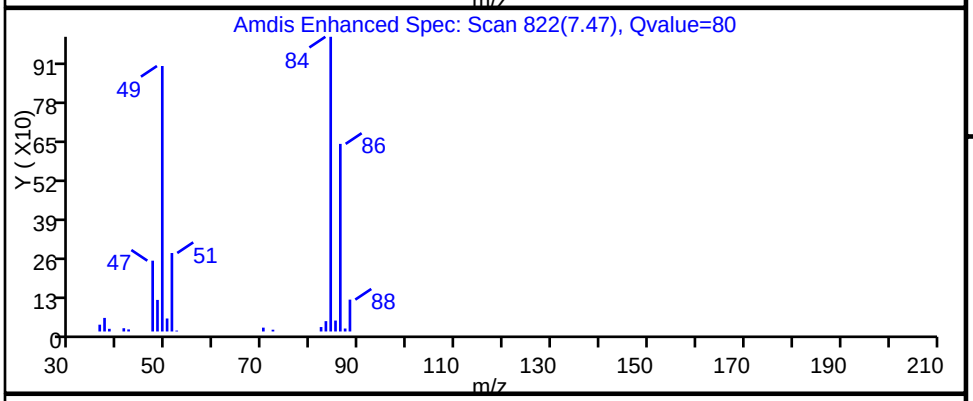
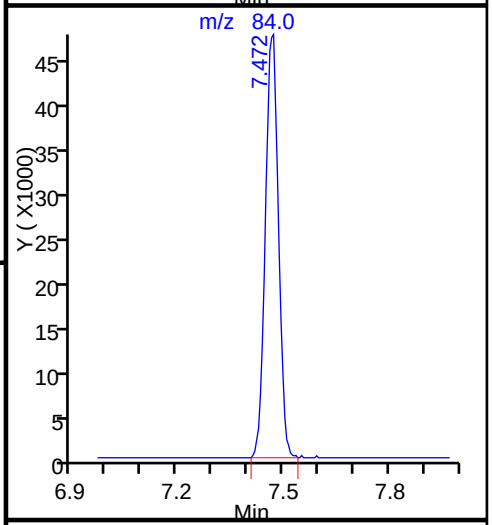
Client ID:	SDS-6				
Operator ID:	pad	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	17.2000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

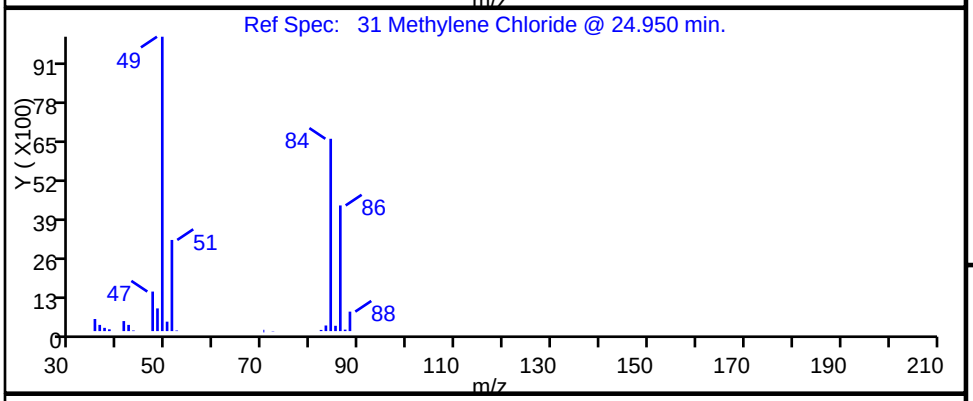
31 Methylene Chloride, CAS: 75-09-2

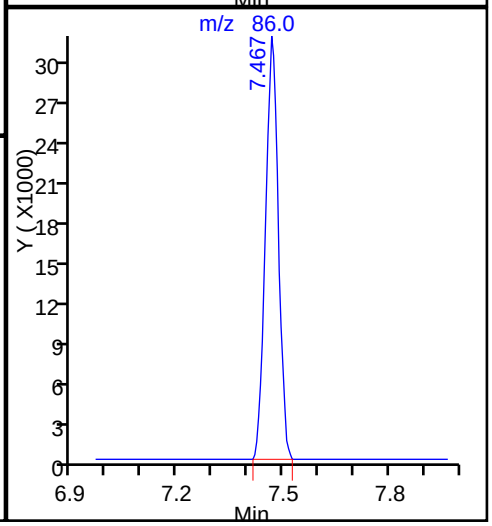


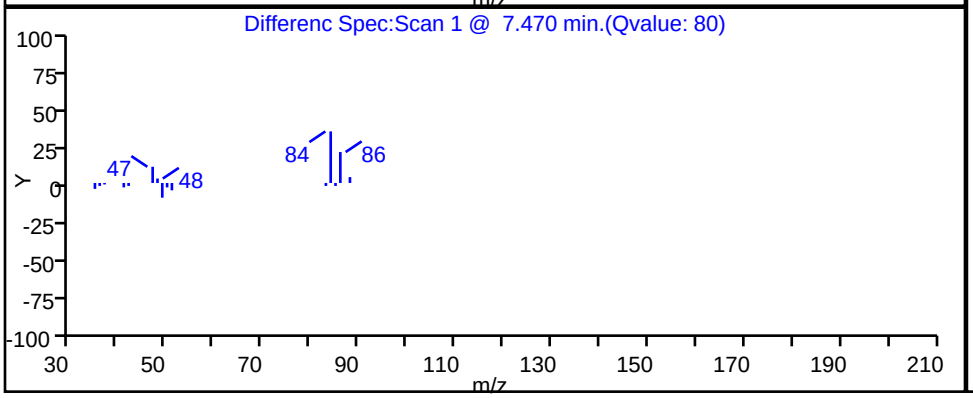












Report Date: 16-Oct-2014 11:43:58 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

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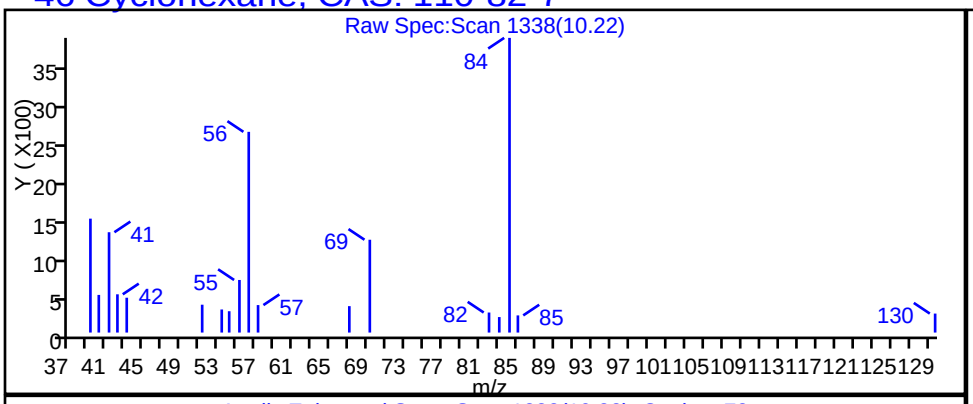
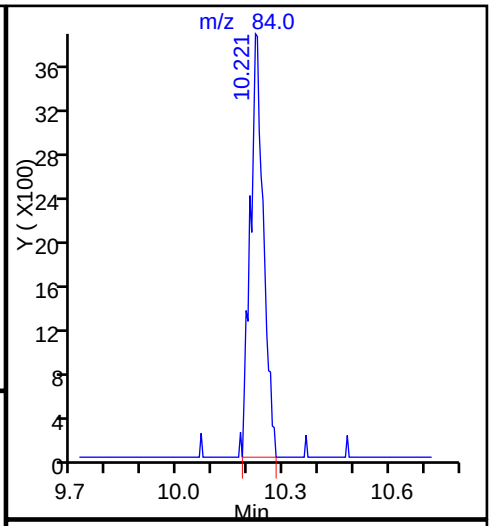
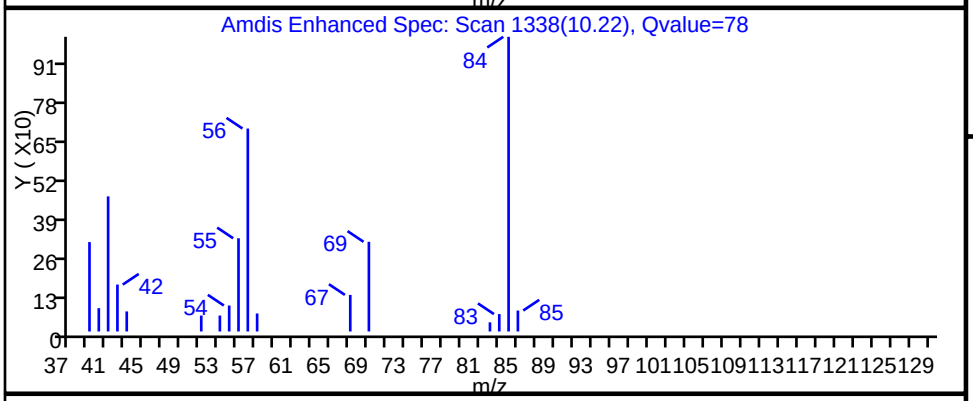
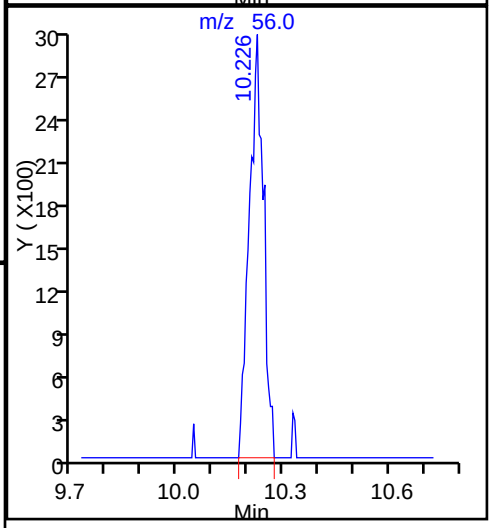
Purge Vol:	5.000 mL	Dil. Factor:	17.2000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

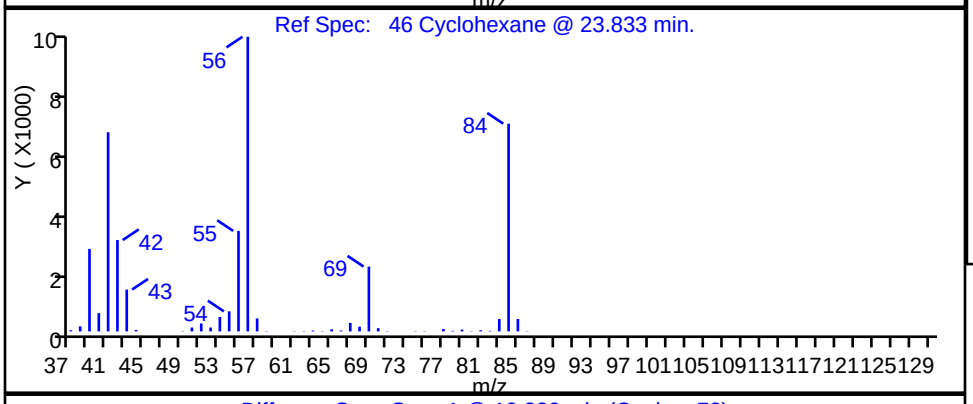
46 Cyclohexane, CAS: 110-82-7

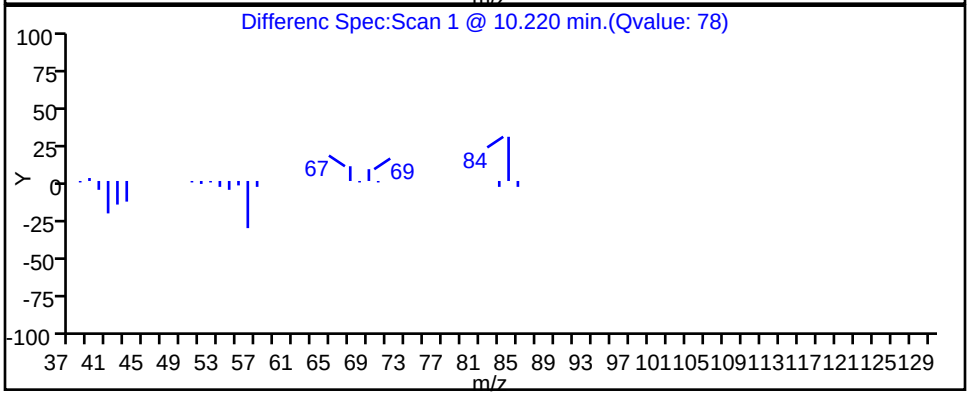












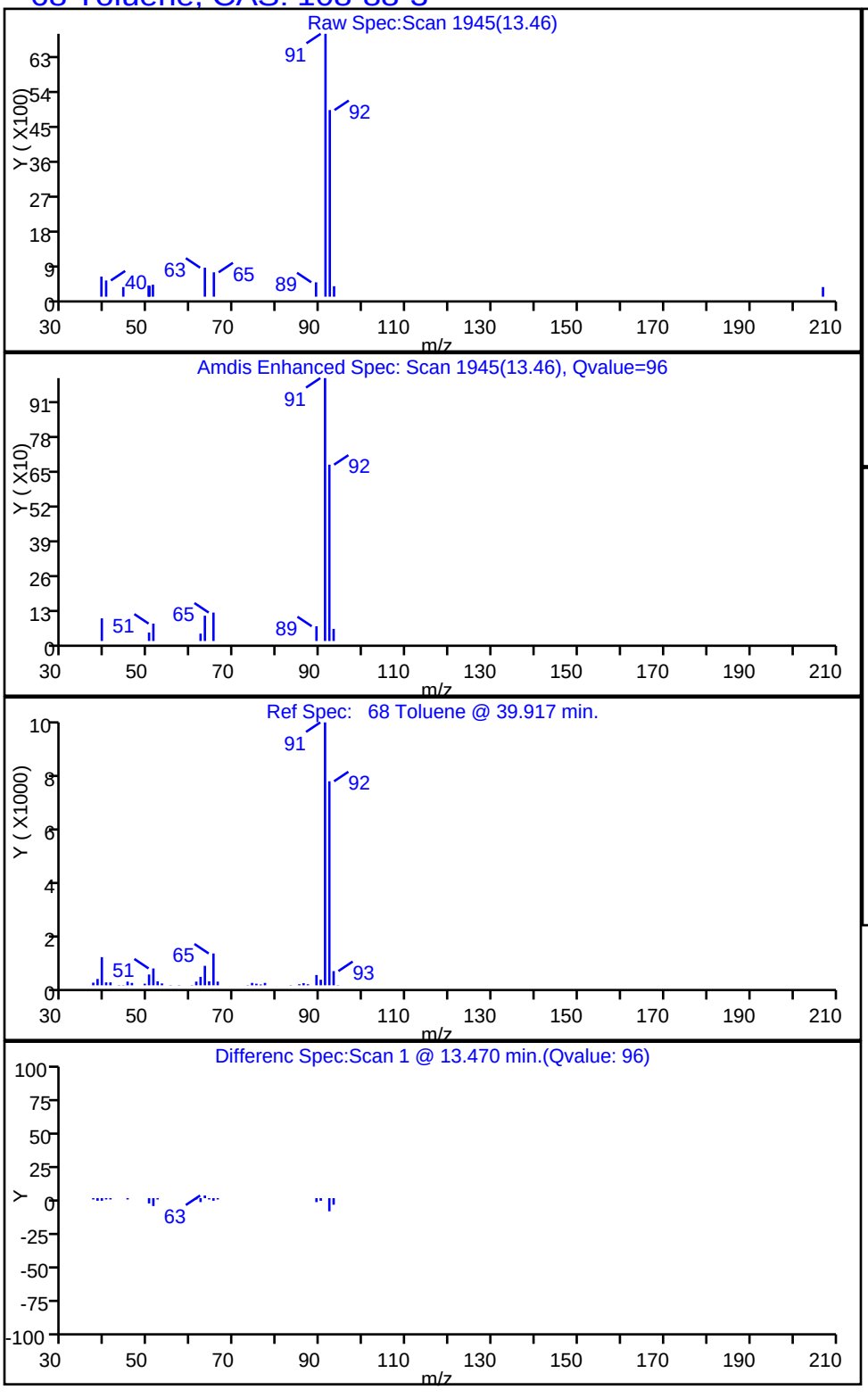
Report Date: 16-Oct-2014 11:43:58 Chrom Revision: 2.2 07-Oct-2014 12:16:06

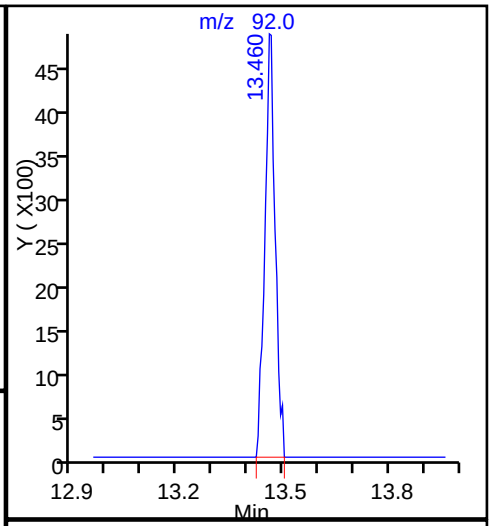
TestAmerica Burlington

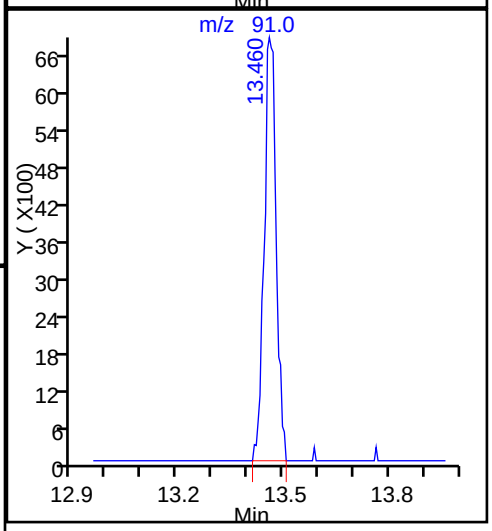
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_11.D

Injection Date:	15-Oct-2014 19:46:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-6	Lab Sample ID:	200-24716-6		
Client ID:	SDS-6				
Operator ID:	pad	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	17.2000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Toluene, CAS: 108-88-3







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TestAmerica Burlington

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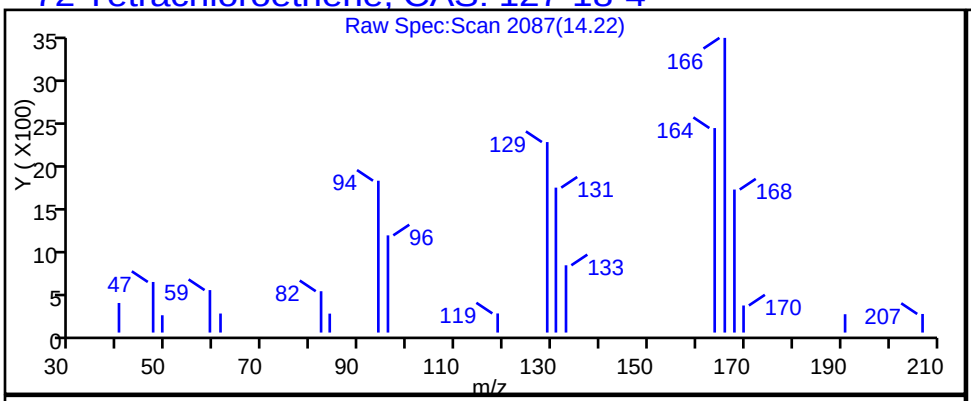
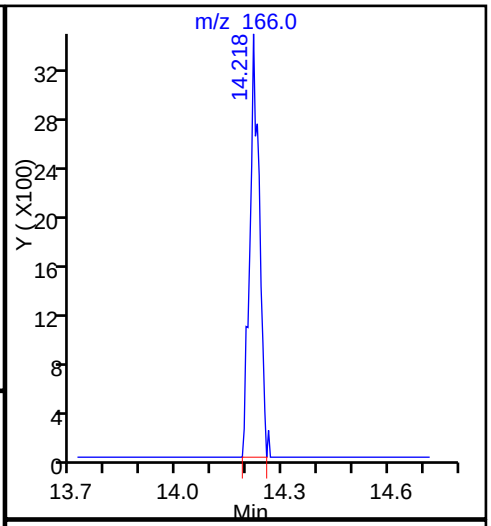
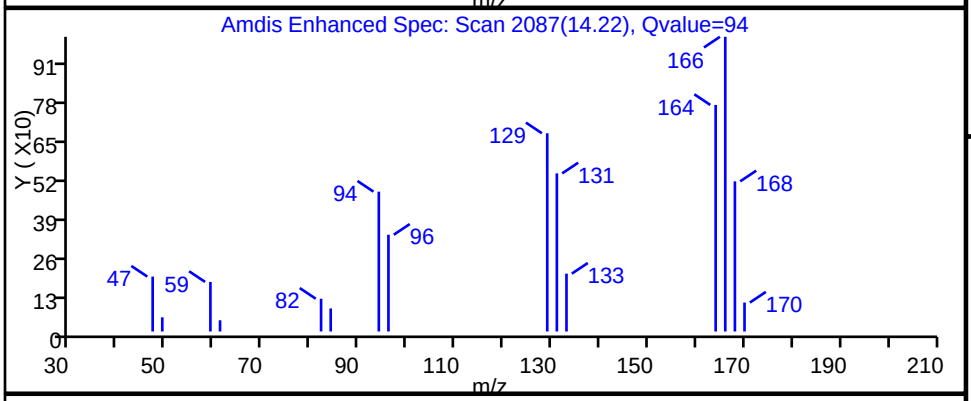
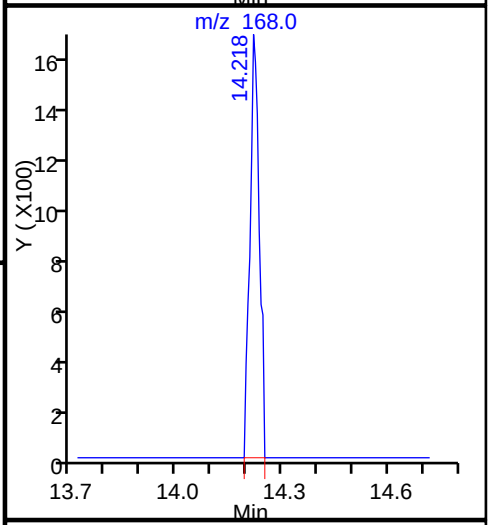
Purge Vol:	5.000 mL	Dil. Factor:	17.2000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

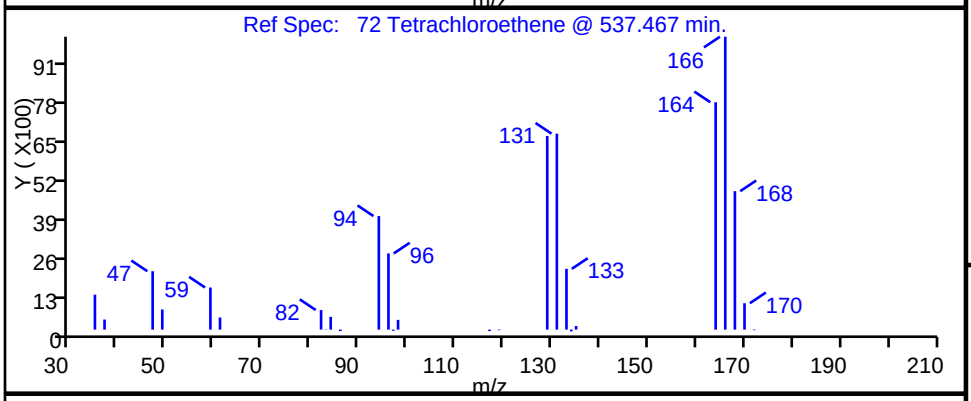
72 Tetrachloroethene, CAS: 127-18-4

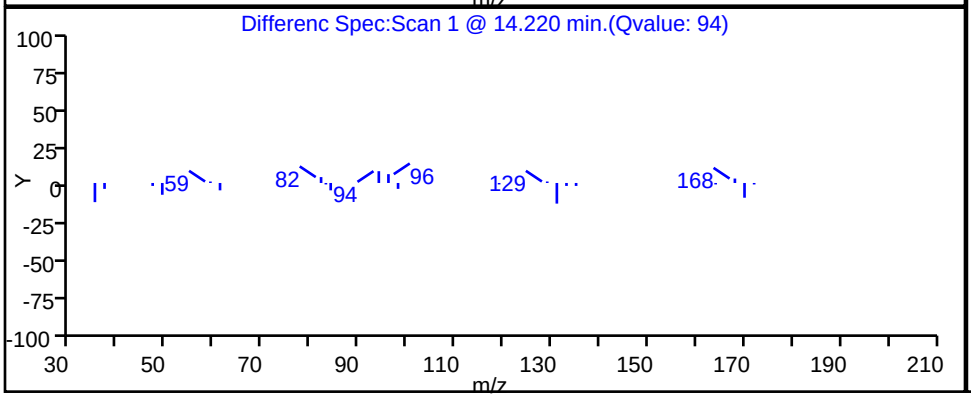


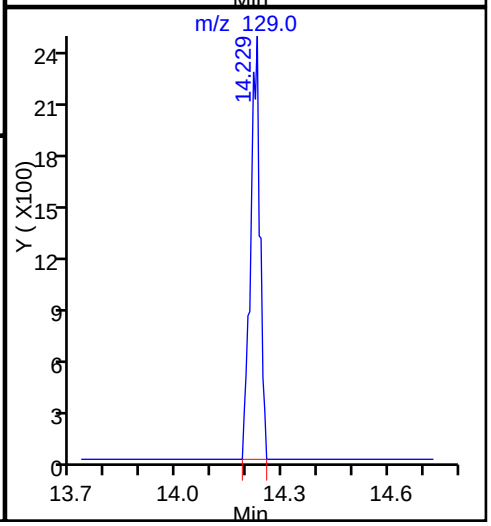












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-7 Lab Sample ID: 200-24716-7

Matrix: Air Lab File ID: 10013_12.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:23

Sample wt/vol: 50(mL) Date Analyzed: 10/15/2014 20:38

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.59	J	2.0	0.22
75-45-6	Freon 22	86.47	2.2		2.0	0.32
76-14-2	Freon-114	170.92	0.80	U	0.80	0.21
74-87-3	Chloromethane	50.49	2.0	U	2.0	0.24
106-97-8	n-Butane	58.12	2.4		2.0	0.72
75-01-4	Vinyl chloride	62.50	0.16	U	0.16	0.10
106-99-0	1,3-Butadiene	54.09	0.80	U	0.80	0.14
74-83-9	Bromomethane	94.94	0.80	U	0.80	0.18
75-00-3	Chloroethane	64.52	2.0	U	2.0	0.24
593-60-2	Vinyl bromide	106.96	0.80	U	0.80	0.080
75-69-4	Freon 11	137.37	0.80	U	0.80	0.18
76-13-1	Freon 113	187.38	0.80	U	0.80	0.16
75-35-4	1,1-Dichloroethene	96.94	0.80	U	0.80	0.040
67-64-1	Acetone	58.08	20	U	20	2.8
67-63-0	Isopropyl alcohol	60.10	100		20	0.60
75-15-0	Carbon disulfide	76.14	2.0	U	2.0	0.12
107-05-1	Allyl chloride	76.53	2.0	U	2.0	0.64
75-09-2	Methylene Chloride	84.93	25		2.0	0.48
75-65-0	tert-Butyl alcohol	74.12	9.8	J	20	0.48
1634-04-4	Methyl tert-butyl ether	88.15	0.80	U	0.80	0.088
156-60-5	trans-1,2-Dichloroethene	96.94	0.80	U	0.80	0.11
110-54-3	Hexane	86.17	0.80	U	0.80	0.11
75-34-3	1,1-Dichloroethane	98.96	0.80	U	0.80	0.11
78-93-3	Methyl Ethyl Ketone	72.11	2.0	U	2.0	0.37
156-59-2	cis-1,2-Dichloroethene	96.94	0.80	U	0.80	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.80	U	0.80	0.21
67-66-3	Chloroform	119.38	0.80	U	0.80	0.15
109-99-9	Tetrahydrofuran	72.11	1.5	J	20	0.72
71-55-6	1,1,1-Trichloroethane	133.41	0.80	U	0.80	0.12
110-82-7	Cyclohexane	84.16	0.57	J	0.80	0.040
56-23-5	Carbon tetrachloride	153.81	0.16	U	0.16	0.044
540-84-1	2,2,4-Trimethylpentane	114.23	0.80	U	0.80	0.092
71-43-2	Benzene	78.11	0.80	U	0.80	0.12
107-06-2	1,2-Dichloroethane	98.96	0.80	U	0.80	0.21
142-82-5	Heptane	100.21	0.80	U	0.80	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-7 Lab Sample ID: 200-24716-7

Matrix: Air Lab File ID: 10013_12.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:23

Sample wt/vol: 50(mL) Date Analyzed: 10/15/2014 20:38

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.41		0.16	0.12
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.38
78-87-5	1,2-Dichloropropane	112.99	0.80	U	0.80	0.14
123-91-1	1,4-Dioxane	88.11	20	U	20	0.64
75-27-4	Bromodichloromethane	163.83	0.80	U	0.80	0.12
10061-01-5	cis-1,3-Dichloropropene	110.97	0.80	U	0.80	0.12
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.72
108-88-3	Toluene	92.14	0.48	J	0.80	0.10
10061-02-6	trans-1,3-Dichloropropene	110.97	0.80	U	0.80	0.10
79-00-5	1,1,2-Trichloroethane	133.41	0.80	U	0.80	0.15
127-18-4	Tetrachloroethene	165.83	0.25	J	0.80	0.12
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.68
124-48-1	Dibromochloromethane	208.29	0.80	U	0.80	0.080
106-93-4	1,2-Dibromoethane	187.87	0.80	U	0.80	0.072
108-90-7	Chlorobenzene	112.56	0.80	U	0.80	0.072
100-41-4	Ethylbenzene	106.17	0.80	U	0.80	0.080
179601-23-1	m,p-Xylene	106.17	2.0	U	2.0	0.10
95-47-6	Xylene, o-	106.17	0.80	U	0.80	0.072
1330-20-7	Xylene (total)	106.17	0.80	U	0.80	0.16
100-42-5	Styrene	104.15	0.80	U	0.80	0.064
75-25-2	Bromoform	252.75	0.80	U	0.80	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.80	U	0.80	0.14
103-65-1	n-Propylbenzene	120.19	0.80	U	0.80	0.11
622-96-8	4-Ethyltoluene	120.20	0.80	U	0.80	0.080
108-67-8	1,3,5-Trimethylbenzene	120.20	0.80	U	0.80	0.076
95-49-8	2-Chlorotoluene	126.59	0.80	U	0.80	0.12
98-06-6	tert-Butylbenzene	134.22	0.80	U	0.80	0.080
95-63-6	1,2,4-Trimethylbenzene	120.20	0.80	U	0.80	0.064
135-98-8	sec-Butylbenzene	134.22	0.80	U	0.80	0.084
99-87-6	4-Isopropyltoluene	134.22	0.80	U	0.80	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.80	U	0.80	0.080
106-46-7	1,4-Dichlorobenzene	147.00	0.80	U	0.80	0.076
100-44-7	Benzyl chloride	126.58	0.80	U	0.80	0.072
104-51-8	n-Butylbenzene	134.22	0.80	U	0.80	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-7 Lab Sample ID: 200-24716-7

Matrix: Air Lab File ID: 10013_12.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:23

Sample wt/vol: 50(mL) Date Analyzed: 10/15/2014 20:38

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.80	U	0.80	0.072
120-82-1	1,2,4-Trichlorobenzene	181.45	2.0	U	2.0	0.14
87-68-3	Hexachloro-1,3-butadiene	260.76	0.80	U	0.80	0.14
91-20-3	Naphthalene	128.17	1.8	J	2.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-7 Lab Sample ID: 200-24716-7

Matrix: Air Lab File ID: 10013_12.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:23

Sample wt/vol: 50(mL) Date Analyzed: 10/15/2014 20:38

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.9	J	9.9	1.1
75-45-6	Freon 22	86.47	7.7		7.1	1.1
76-14-2	Freon-114	170.92	5.6	U	5.6	1.5
74-87-3	Chloromethane	50.49	4.1	U	4.1	0.50
106-97-8	n-Butane	58.12	5.6		4.8	1.7
75-01-4	Vinyl chloride	62.50	0.41	U	0.41	0.27
106-99-0	1,3-Butadiene	54.09	1.8	U	1.8	0.32
74-83-9	Bromomethane	94.94	3.1	U	3.1	0.68
75-00-3	Chloroethane	64.52	5.3	U	5.3	0.64
593-60-2	Vinyl bromide	106.96	3.5	U	3.5	0.35
75-69-4	Freon 11	137.37	4.5	U	4.5	1.0
76-13-1	Freon 113	187.38	6.1	U	6.1	1.3
75-35-4	1,1-Dichloroethene	96.94	3.2	U	3.2	0.16
67-64-1	Acetone	58.08	48	U	48	6.6
67-63-0	Isopropyl alcohol	60.10	250		49	1.5
75-15-0	Carbon disulfide	76.14	6.2	U	6.2	0.37
107-05-1	Allyl chloride	76.53	6.3	U	6.3	2.0
75-09-2	Methylene Chloride	84.93	88		6.9	1.7
75-65-0	tert-Butyl alcohol	74.12	30	J	61	1.5
1634-04-4	Methyl tert-butyl ether	88.15	2.9	U	2.9	0.32
156-60-5	trans-1,2-Dichloroethene	96.94	3.2	U	3.2	0.43
110-54-3	Hexane	86.17	2.8	U	2.8	0.39
75-34-3	1,1-Dichloroethane	98.96	3.2	U	3.2	0.45
78-93-3	Methyl Ethyl Ketone	72.11	5.9	U	5.9	1.1
156-59-2	cis-1,2-Dichloroethene	96.94	3.2	U	3.2	0.48
540-59-0	1,2-Dichloroethene, Total	96.94	3.2	U	3.2	0.84
67-66-3	Chloroform	119.38	3.9	U	3.9	0.74
109-99-9	Tetrahydrofuran	72.11	4.6	J	59	2.1
71-55-6	1,1,1-Trichloroethane	133.41	4.4	U	4.4	0.65
110-82-7	Cyclohexane	84.16	2.0	J	2.8	0.14
56-23-5	Carbon tetrachloride	153.81	1.0	U	1.0	0.28
540-84-1	2,2,4-Trimethylpentane	114.23	3.7	U	3.7	0.43
71-43-2	Benzene	78.11	2.6	U	2.6	0.37
107-06-2	1,2-Dichloroethane	98.96	3.2	U	3.2	0.84
142-82-5	Heptane	100.21	3.3	U	3.3	0.61

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-7 Lab Sample ID: 200-24716-7

Matrix: Air Lab File ID: 10013_12.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:23

Sample wt/vol: 50(mL) Date Analyzed: 10/15/2014 20:38

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.2		0.86	0.64
80-62-6	Methyl methacrylate	100.12	8.2	U	8.2	1.6
78-87-5	1,2-Dichloropropane	112.99	3.7	U	3.7	0.65
123-91-1	1,4-Dioxane	88.11	72	U	72	2.3
75-27-4	Bromodichloromethane	163.83	5.4	U	5.4	0.78
10061-01-5	cis-1,3-Dichloropropene	110.97	3.6	U	3.6	0.53
108-10-1	methyl isobutyl ketone	100.16	8.2	U	8.2	2.9
108-88-3	Toluene	92.14	1.8	J	3.0	0.38
10061-02-6	trans-1,3-Dichloropropene	110.97	3.6	U	3.6	0.47
79-00-5	1,1,2-Trichloroethane	133.41	4.4	U	4.4	0.81
127-18-4	Tetrachloroethene	165.83	1.7	J	5.4	0.81
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.2	U	8.2	2.8
124-48-1	Dibromochloromethane	208.29	6.8	U	6.8	0.68
106-93-4	1,2-Dibromoethane	187.87	6.1	U	6.1	0.55
108-90-7	Chlorobenzene	112.56	3.7	U	3.7	0.33
100-41-4	Ethylbenzene	106.17	3.5	U	3.5	0.35
179601-23-1	m,p-Xylene	106.17	8.7	U	8.7	0.43
95-47-6	Xylene, o-	106.17	3.5	U	3.5	0.31
1330-20-7	Xylene (total)	106.17	3.5	U	3.5	0.71
100-42-5	Styrene	104.15	3.4	U	3.4	0.27
75-25-2	Bromoform	252.75	8.3	U	8.3	1.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	5.5	U	5.5	0.93
103-65-1	n-Propylbenzene	120.19	3.9	U	3.9	0.53
622-96-8	4-Ethyltoluene	120.20	3.9	U	3.9	0.39
108-67-8	1,3,5-Trimethylbenzene	120.20	3.9	U	3.9	0.37
95-49-8	2-Chlorotoluene	126.59	4.1	U	4.1	0.64
98-06-6	tert-Butylbenzene	134.22	4.4	U	4.4	0.44
95-63-6	1,2,4-Trimethylbenzene	120.20	3.9	U	3.9	0.31
135-98-8	sec-Butylbenzene	134.22	4.4	U	4.4	0.46
99-87-6	4-Isopropyltoluene	134.22	4.4	U	4.4	0.44
541-73-1	1,3-Dichlorobenzene	147.00	4.8	U	4.8	0.48
106-46-7	1,4-Dichlorobenzene	147.00	4.8	U	4.8	0.46
100-44-7	Benzyl chloride	126.58	4.1	U	4.1	0.37
104-51-8	n-Butylbenzene	134.22	4.4	U	4.4	0.61

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-7 Lab Sample ID: 200-24716-7

Matrix: Air Lab File ID: 10013_12.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:23

Sample wt/vol: 50(mL) Date Analyzed: 10/15/2014 20:38

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	4.8	U	4.8	0.43
120-82-1	1,2,4-Trichlorobenzene	181.45	15	U	15	1.0
87-68-3	Hexachloro-1,3-butadiene	260.76	8.5	U	8.5	1.5
91-20-3	Naphthalene	128.17	9.3	J	10	0.63

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_12.D
Lims ID: 200-24716-A-7 Lab Sample ID: 200-24716-7
Client ID: SDS-7
Sample Type: Client
Inject. Date: 15-Oct-2014 20:38:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 200-0010013-012
Misc. Info.: 24716-07
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 16-Oct-2014 11:43:38 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 16-Oct-2014 11:23:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.229	3.224	0.005	98	16955	0.1478	
6 Chlorodifluoromethane	51	3.267	3.266	0.001	95	25215	0.5428	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.453				ND	
8 Chloromethane	50		3.592				ND	
9 Butane	43	3.774	3.773	0.001	93	17368	0.5907	
10 Vinyl chloride	62		3.816				ND	
11 Butadiene	54		3.880				ND	
12 Bromomethane	94		4.595				ND	
14 Chloroethane	64		4.841				ND	
16 Vinyl bromide	106		5.257				ND	
17 Trichlorofluoromethane	101		5.353				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.399				ND	
24 1,1-Dichloroethene	96		6.479				ND	
25 Acetone	43		6.655				ND	
26 Isopropyl alcohol	45	6.858	6.858	0.000	97	828560	25.4	
27 Carbon disulfide	76		6.912				ND	
29 3-Chloro-1-propene	41		7.200				ND	
31 Methylene Chloride	49	7.461	7.467	-0.006	79	175891	6.36	
32 2-Methyl-2-propanol	59	7.563	7.568	-0.005	98	167313	2.46	
33 Methyl tert-butyl ether	73		7.798				ND	
34 trans-1,2-Dichloroethene	61		7.867				ND	
36 Hexane	57		8.182				ND	
37 1,1-Dichloroethane	63		8.625				ND	
* 44 Chlorobromomethane	128	9.906	9.906	0.000	66	395459	10.0	
39 cis-1,2-Dichloroethene	96		9.532				ND	
40 2-Butanone (MEK)	72		9.532				ND	
43 Tetrahydrofuran	42	9.906	9.906	0.000	31	8434	0.3869	
45 Chloroform	83		9.975				ND	
S 42 1,2-Dichloroethene, Total	61		10.000				0	
47 1,1,1-Trichloroethane	97		10.226				ND	
46 Cyclohexane	84	10.226	10.226	0.000	0	6911	0.1423	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		10.423				ND	
49 Isooctane	57		10.695				ND	
50 Benzene	78		10.760				ND	
51 1,2-Dichloroethane	62		10.877				ND	
52 n-Heptane	43		10.941				ND	
* 54 1,4-Difluorobenzene	114	11.304	11.304	0.000	92	1911685	10.0	
57 Trichloroethene	95	11.662	11.667	-0.005	92	5775	0.1033	
58 1,2-Dichloropropane	63		12.056				ND	
59 Methyl methacrylate	69		12.078				ND	
60 1,4-Dioxane	88		12.174				ND	
62 Dichlorobromomethane	83		12.409				ND	
64 cis-1,3-Dichloropropene	75		13.038				ND	
65 4-Methyl-2-pentanone (MIBK	43		13.188				ND	
68 Toluene	92	13.460	13.460	0.000	93	10206	0.1199	
70 trans-1,3-Dichloropropene	75		13.834				ND	
71 1,1,2-Trichloroethane	83		14.106				ND	
72 Tetrachloroethene	166	14.218	14.223	-0.005	93	5426	0.0618	
73 2-Hexanone	43		14.357				ND	
74 Chlorodibromomethane	129		14.650				ND	
75 Ethylene Dibromide	107		14.853				ND	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	84	1691599	10.0	
77 Chlorobenzene	112		15.435				ND	
79 Ethylbenzene	91		15.499				ND	
80 m-Xylene & p-Xylene	106		15.643				ND	
S 81 Xylenes, Total	106		16.000				0	
82 o-Xylene	106		16.150				ND	
83 Styrene	104		16.176				ND	
84 Bromoform	173		16.470				ND	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	92	1285689	NC	
87 1,1,2,2-Tetrachloroethane	83		16.972				ND	
88 N-Propylbenzene	91		17.030				ND	
91 4-Ethyltoluene	105		17.153				ND	
92 2-Chlorotoluene	91		17.201				ND	
93 1,3,5-Trimethylbenzene	105		17.223				ND	
95 tert-Butylbenzene	119		17.601				ND	
96 1,2,4-Trimethylbenzene	105		17.676				ND	
97 sec-Butylbenzene	105		17.863				ND	
98 4-Isopropyltoluene	119		18.018				ND	
99 1,3-Dichlorobenzene	146		18.103				ND	
100 1,4-Dichlorobenzene	146		18.215				ND	
101 Benzyl chloride	91		18.381				ND	
103 n-Butylbenzene	91		18.535				ND	
104 1,2-Dichlorobenzene	146		18.717				ND	
107 1,2,4-Trichlorobenzene	180		21.140				ND	
108 Hexachlorobutadiene	225		21.300				ND	
109 Naphthalene	128	21.652	21.652	0.000	98	122112	0.4428	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

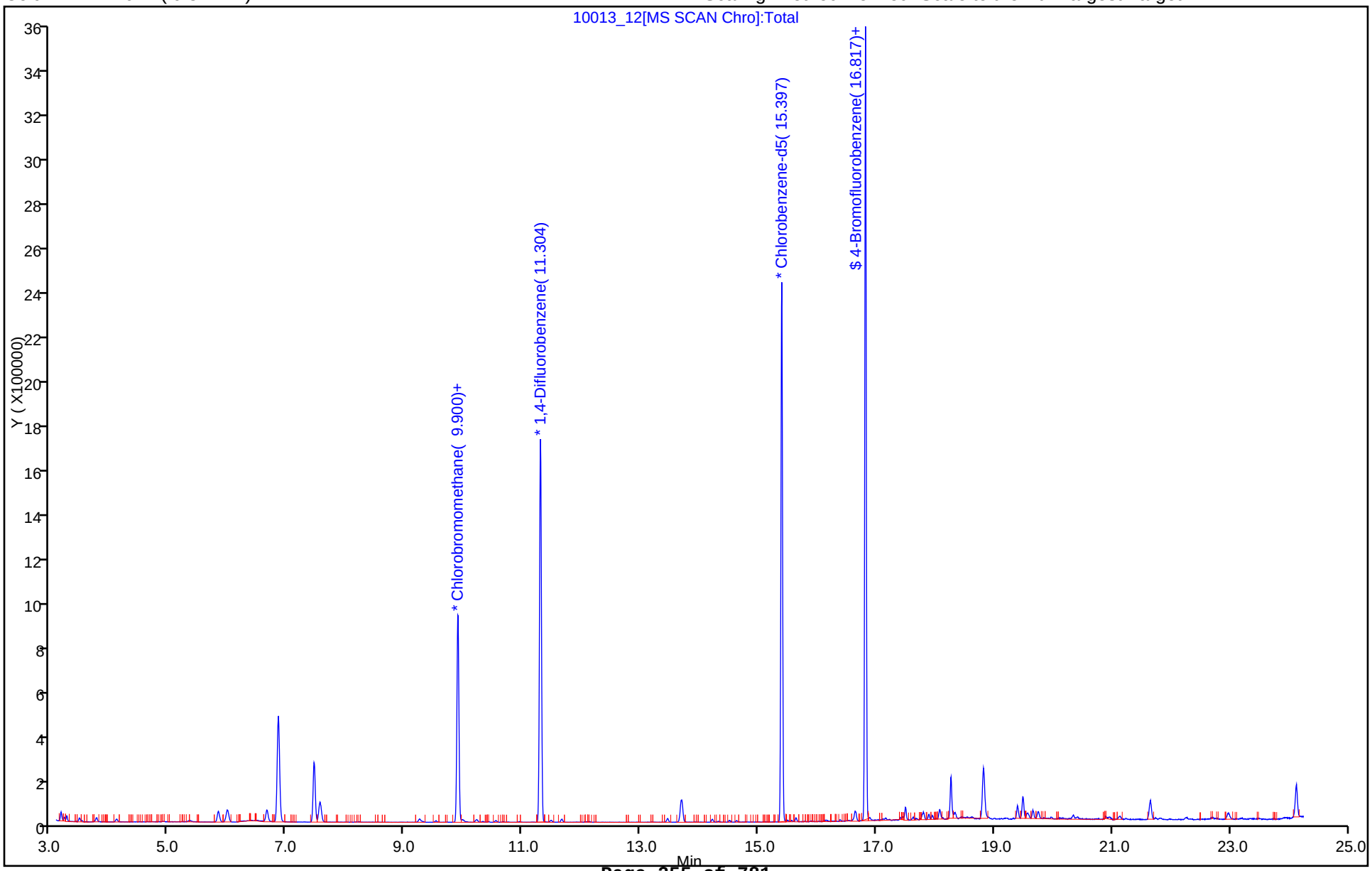
Report Date: 16-Oct-2014 11:43:59 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_12.D

Injection Date:	15-Oct-2014 20:38:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-24716-A-7	Lab Sample ID:	200-24716-7	Worklist Smp#:	12
Client ID:	SDS-7				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	11
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



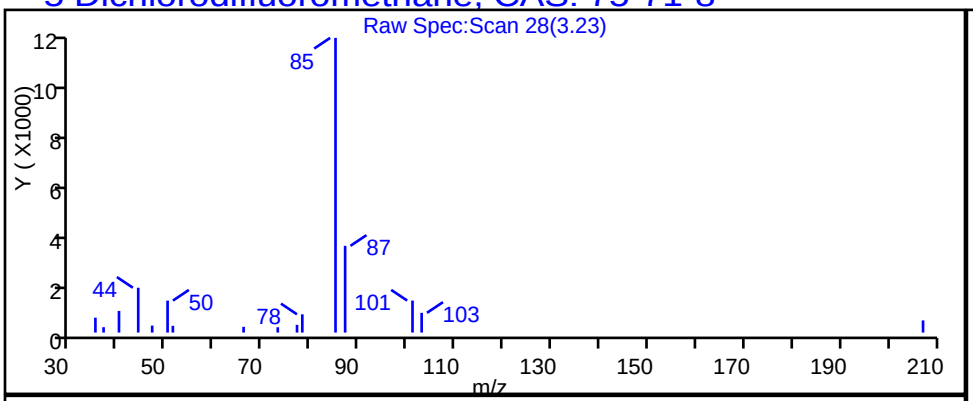
Report Date: 16-Oct-2014 11:43:59 Chrom Revision: 2.2 07-Oct-2014 12:16:06

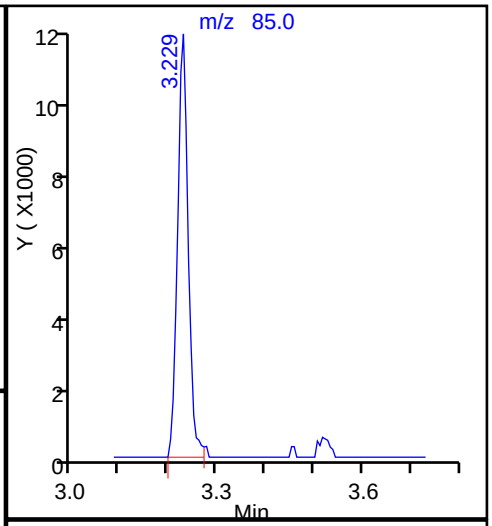
TestAmerica Burlington

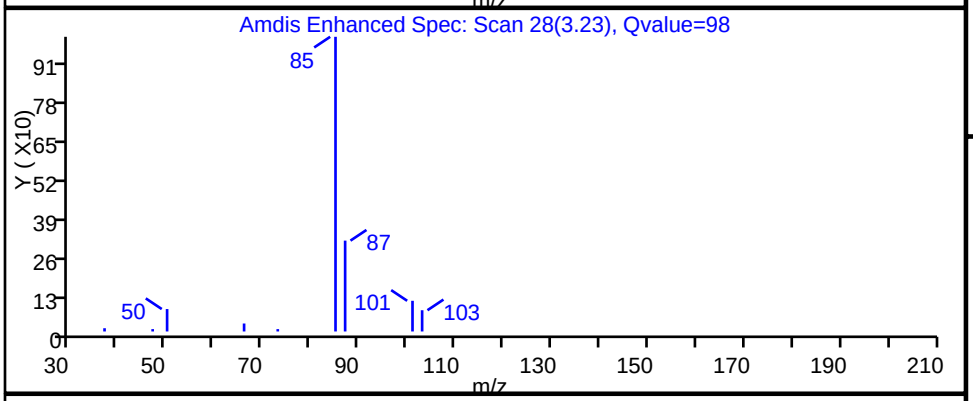
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_12.D

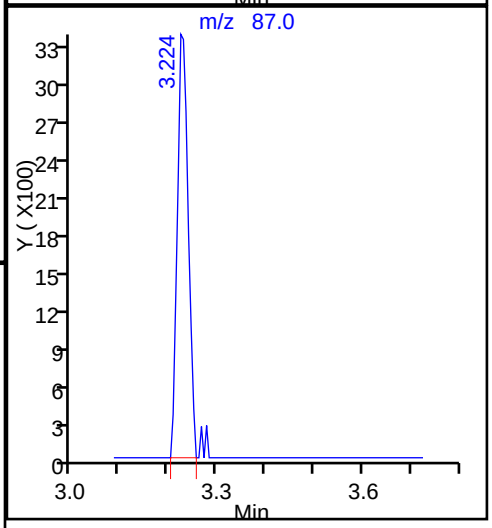
Injection Date:	15-Oct-2014 20:38:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-7	Lab Sample ID:	200-24716-7		
Client ID:	SDS-7				
Operator ID:	pad	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

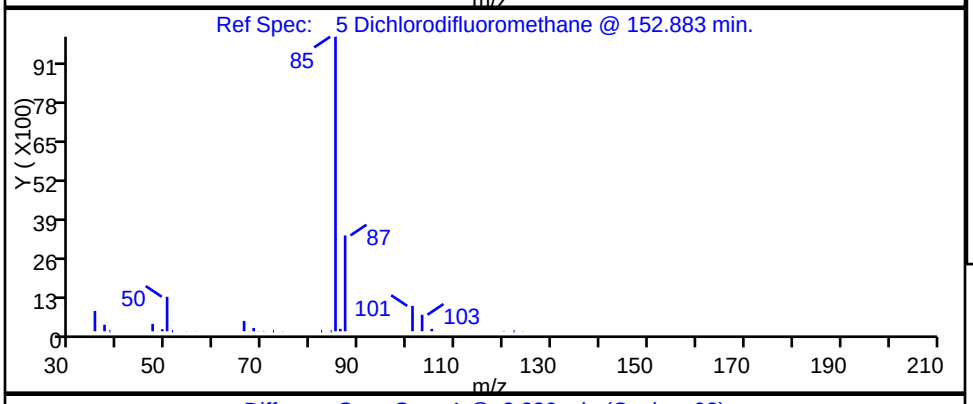
5 Dichlorodifluoromethane, CAS: 75-71-8

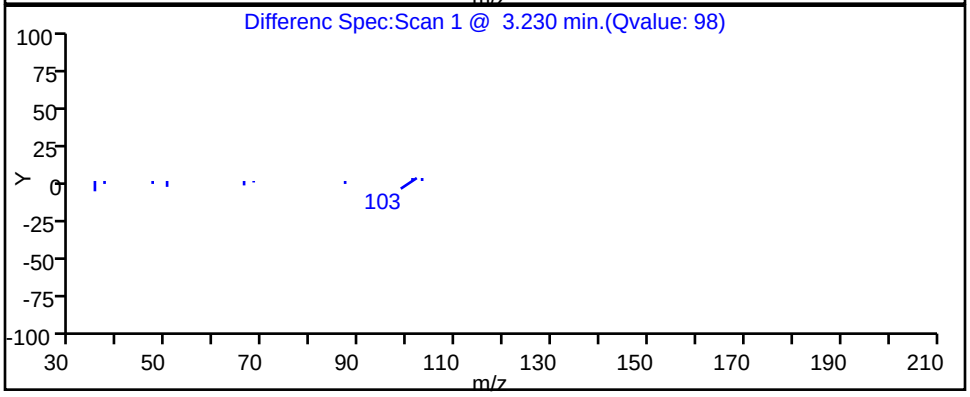












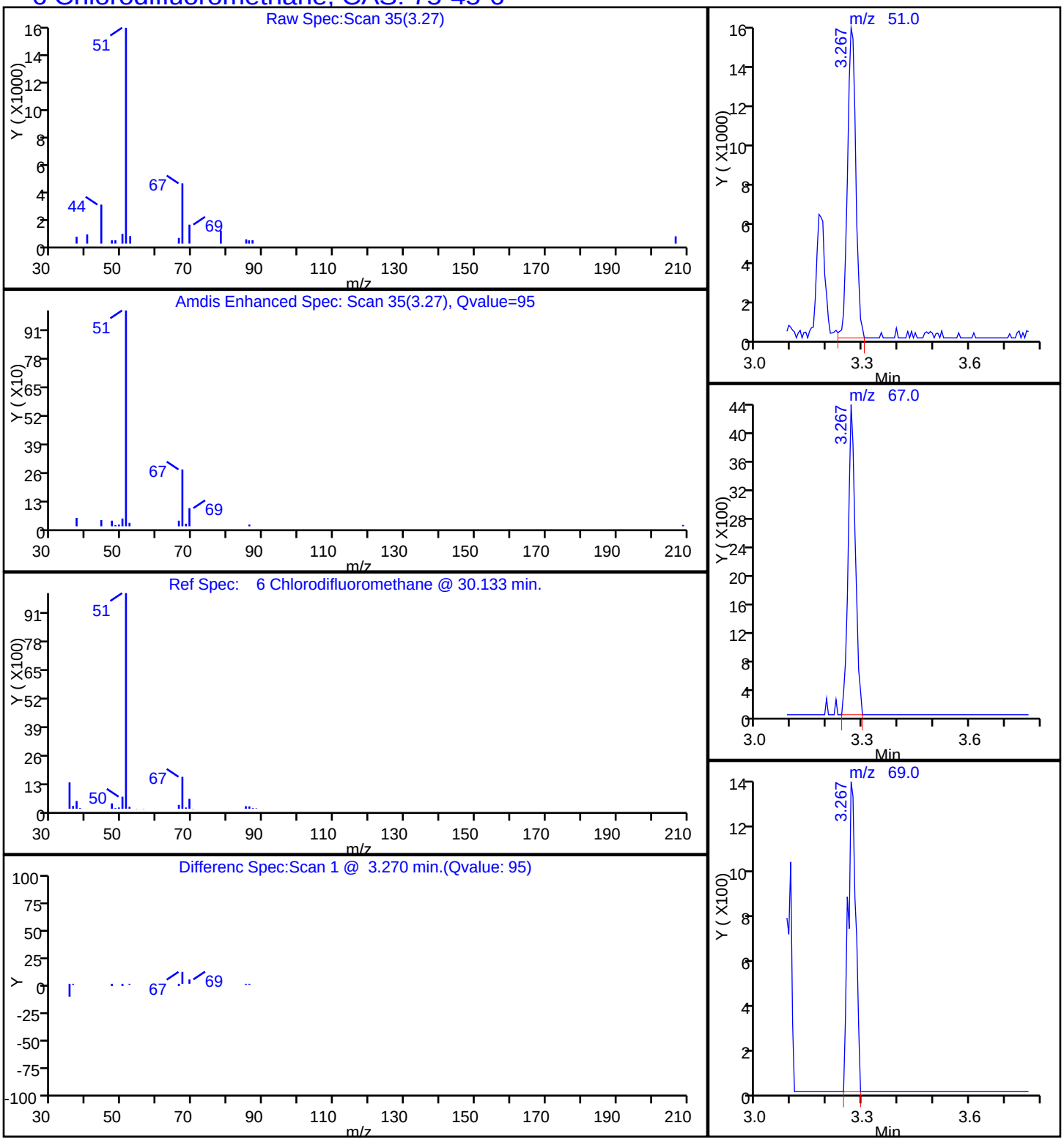
Report Date: 16-Oct-2014 11:43:59 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_12.D

Injection Date:	15-Oct-2014 20:38:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-7	Lab Sample ID:	200-24716-7		
Client ID:	SDS-7				
Operator ID:	pad	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



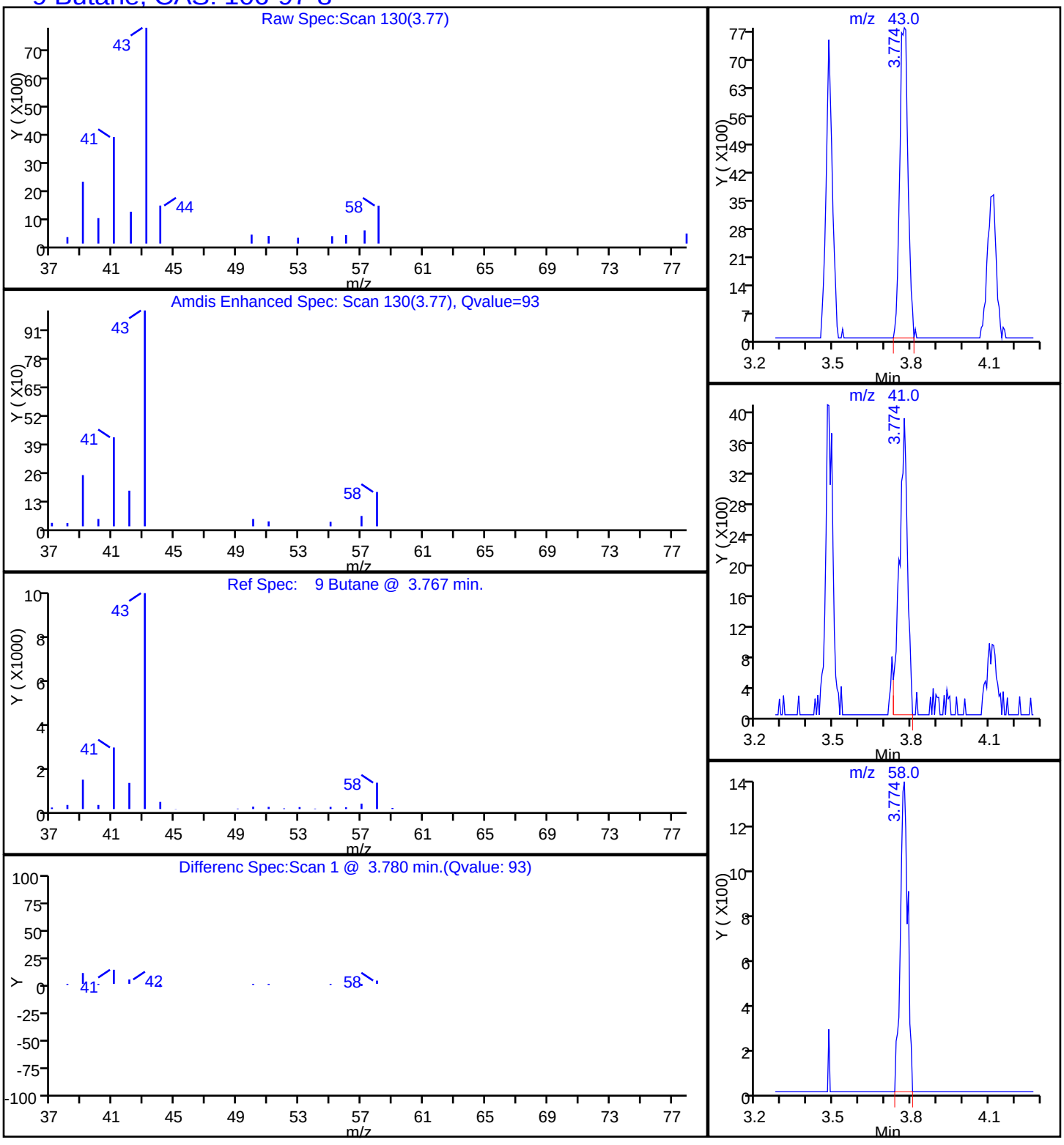
Report Date: 16-Oct-2014 11:43:59 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_12.D

Injection Date:	15-Oct-2014 20:38:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-7	Lab Sample ID:	200-24716-7		
Client ID:	SDS-7				
Operator ID:	pad	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



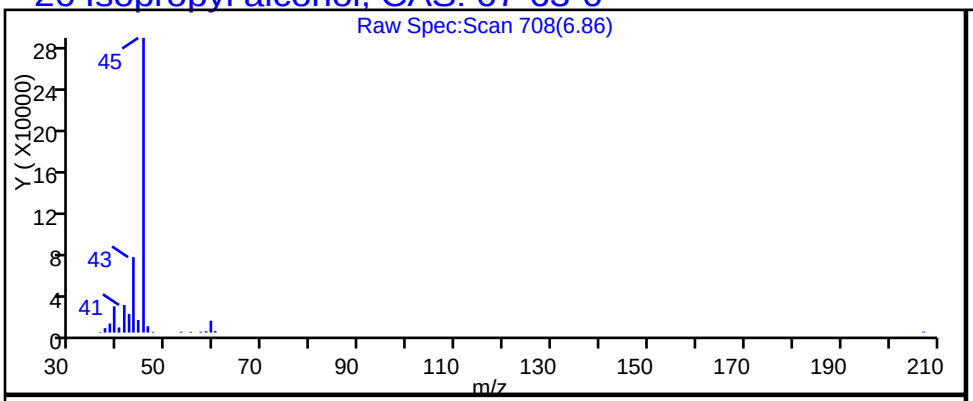
Report Date: 16-Oct-2014 11:43:59 Chrom Revision: 2.2 07-Oct-2014 12:16:06

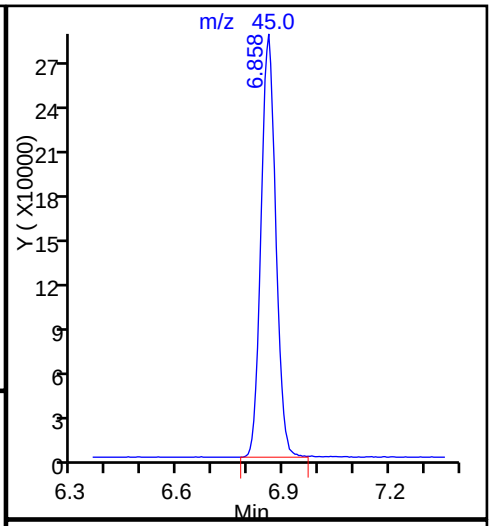
TestAmerica Burlington

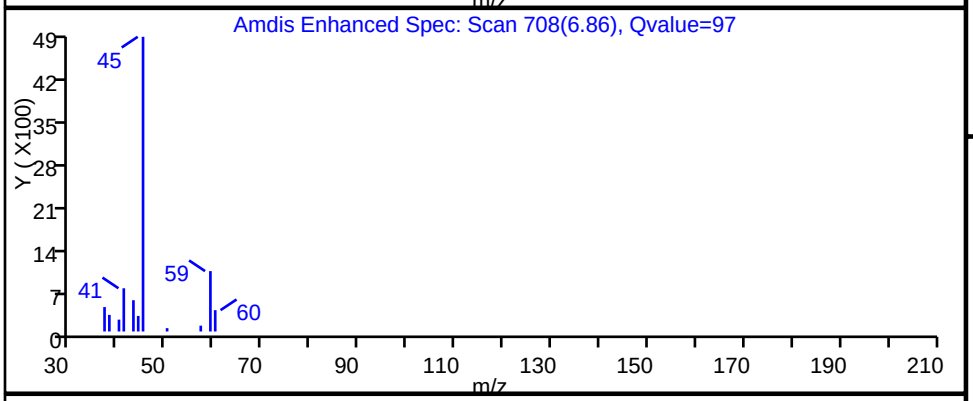
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_12.D

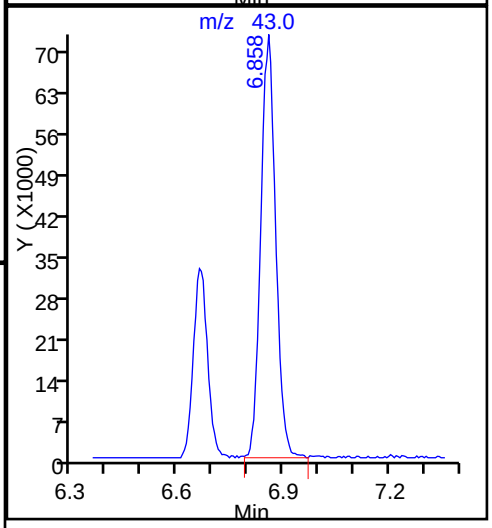
Injection Date:	15-Oct-2014 20:38:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-7	Lab Sample ID:	200-24716-7		
Client ID:	SDS-7				
Operator ID:	pad	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

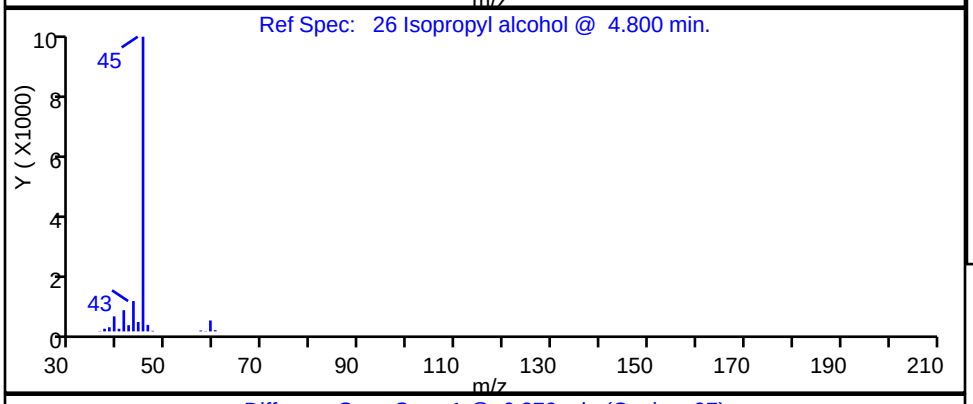
26 Isopropyl alcohol, CAS: 67-63-0

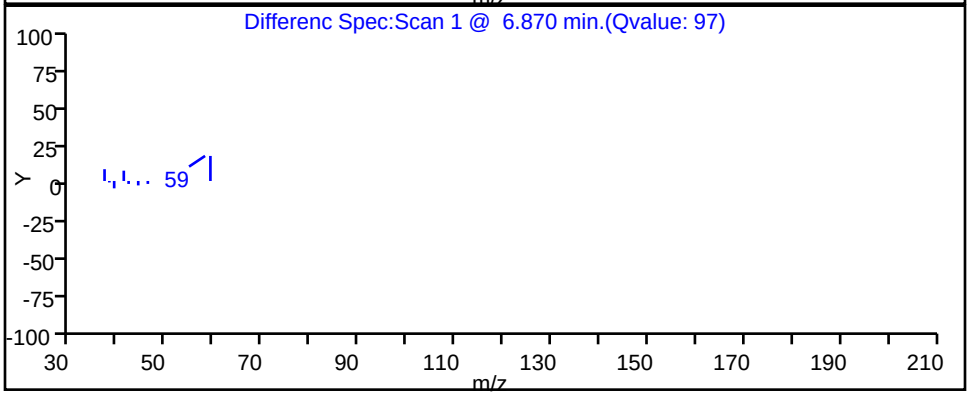












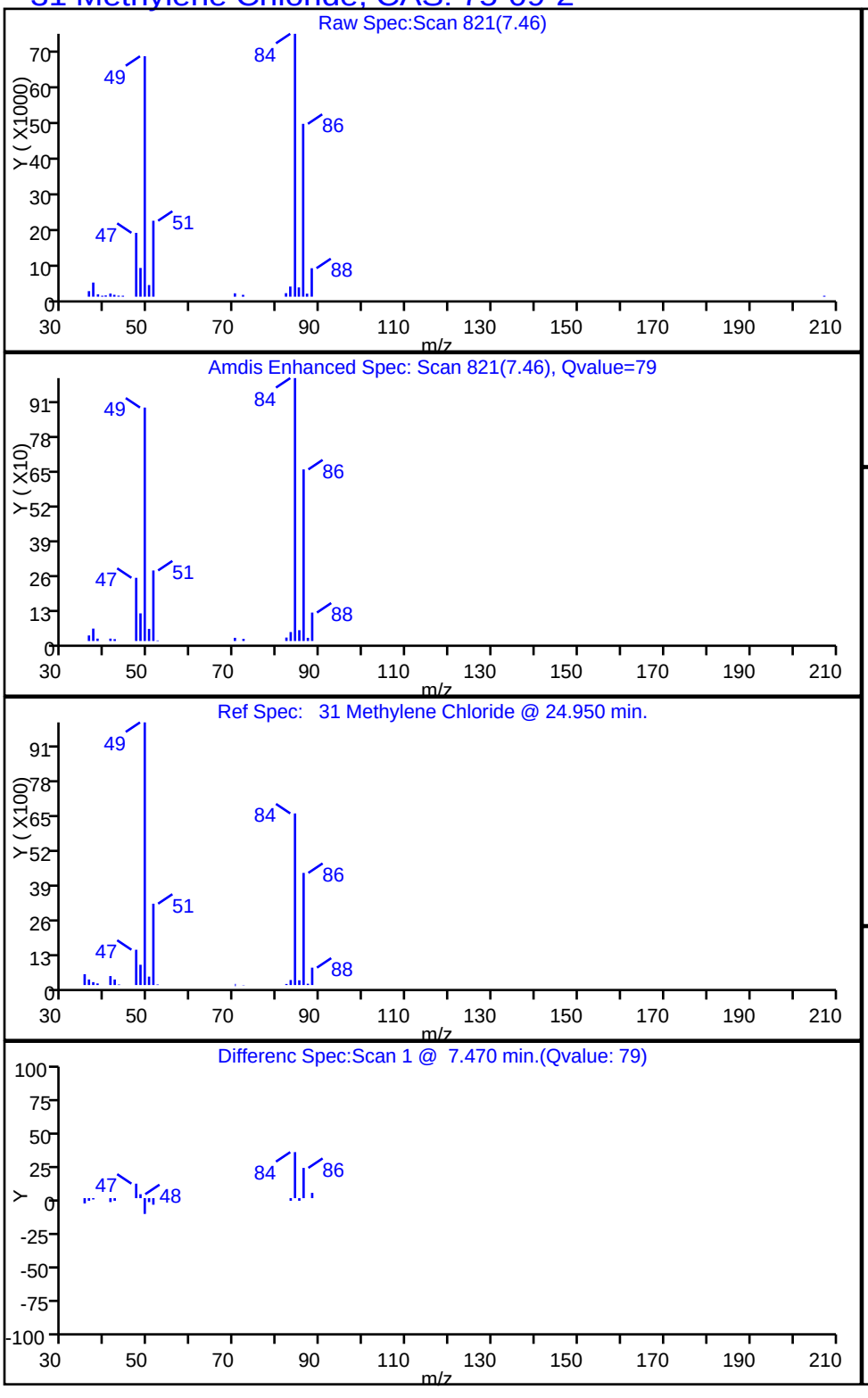
Report Date: 16-Oct-2014 11:43:59 Chrom Revision: 2.2 07-Oct-2014 12:16:06

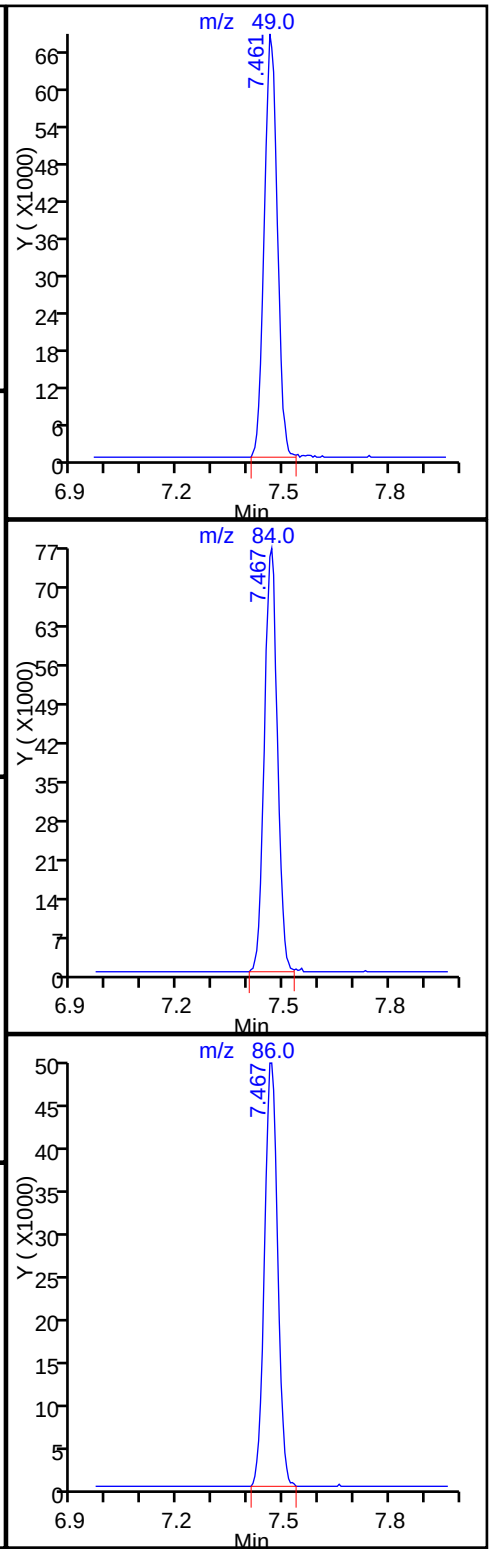
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_12.D

Injection Date:	15-Oct-2014 20:38:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-7	Lab Sample ID:	200-24716-7		
Client ID:	SDS-7				
Operator ID:	pad	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2





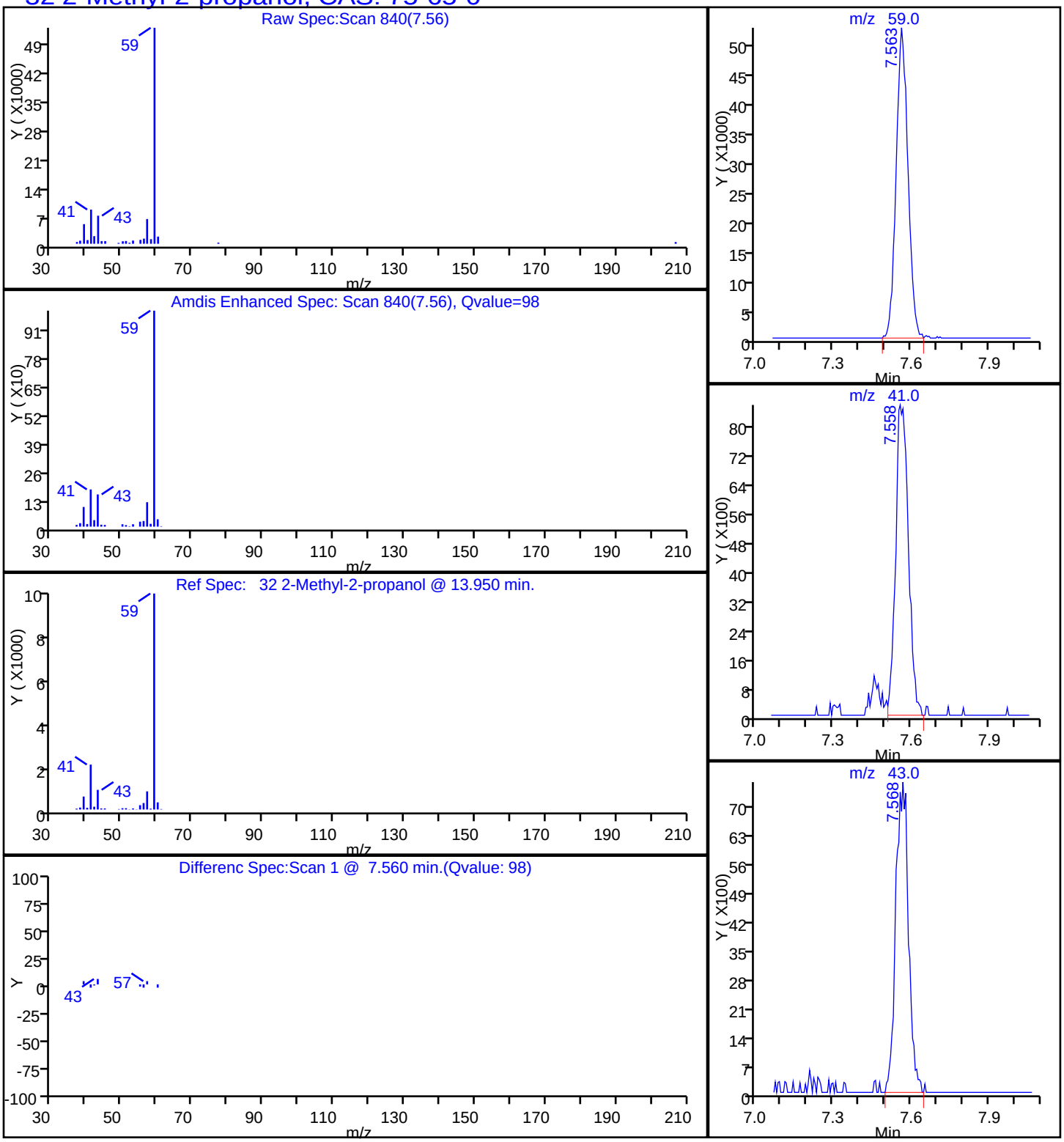
Report Date: 16-Oct-2014 11:43:59 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_12.D

Injection Date:	15-Oct-2014 20:38:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-7	Lab Sample ID:	200-24716-7		
Client ID:	SDS-7				
Operator ID:	pad	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

32 2-Methyl-2-propanol, CAS: 75-65-0



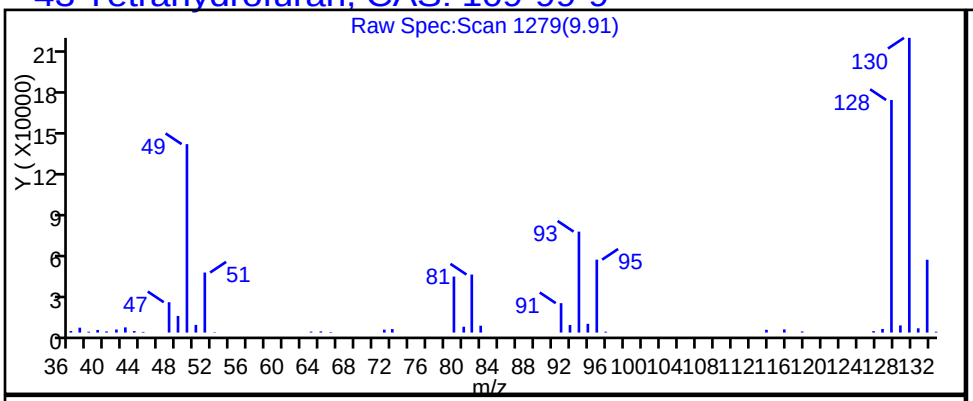
Report Date: 16-Oct-2014 11:43:59 Chrom Revision: 2.2 07-Oct-2014 12:16:06

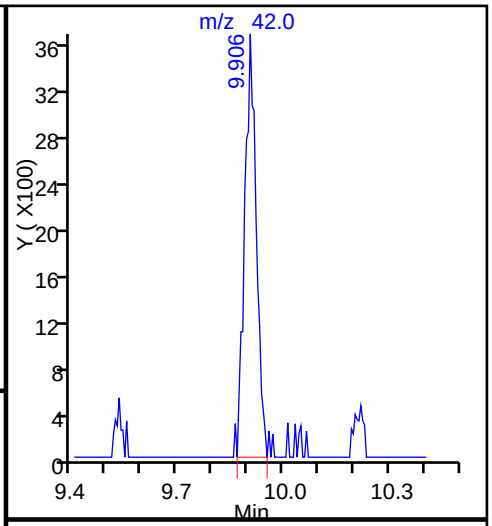
TestAmerica Burlington

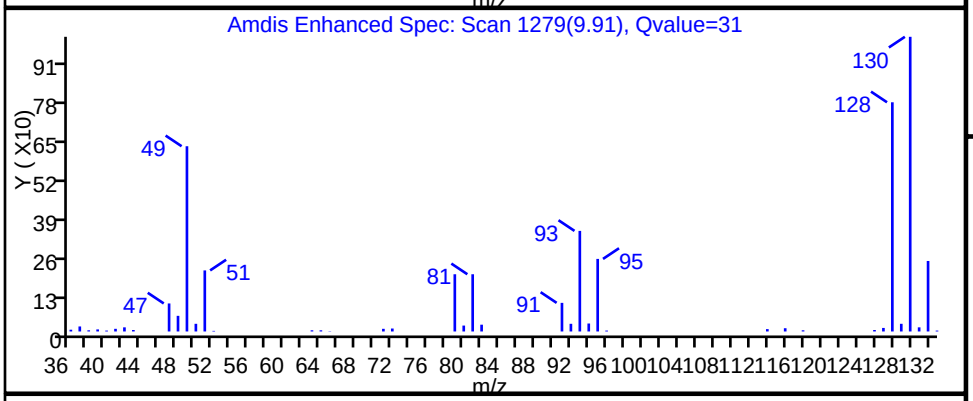
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_12.D

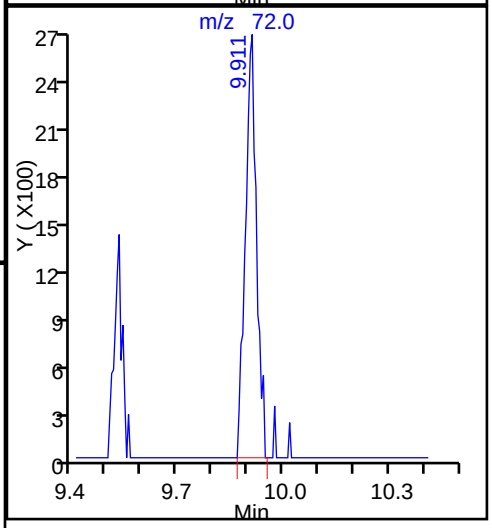
Injection Date:	15-Oct-2014 20:38:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-7	Lab Sample ID:	200-24716-7		
Client ID:	SDS-7				
Operator ID:	pad	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

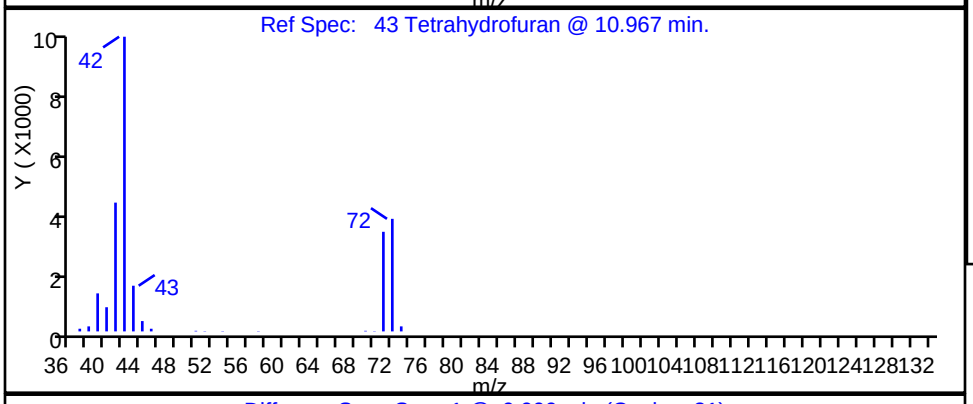
43 Tetrahydrofuran, CAS: 109-99-9

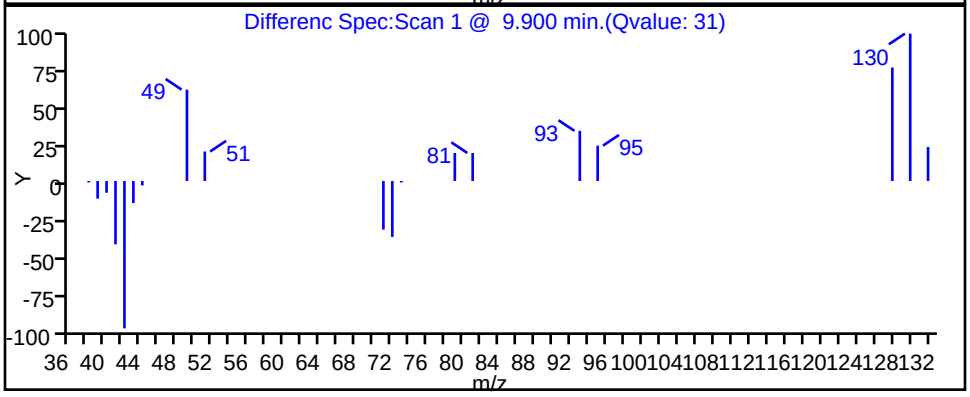












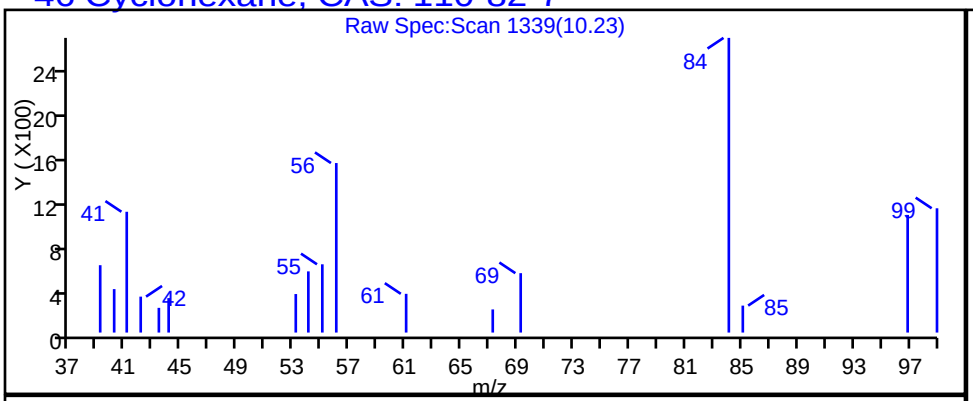
Report Date: 16-Oct-2014 11:43:59 Chrom Revision: 2.2 07-Oct-2014 12:16:06

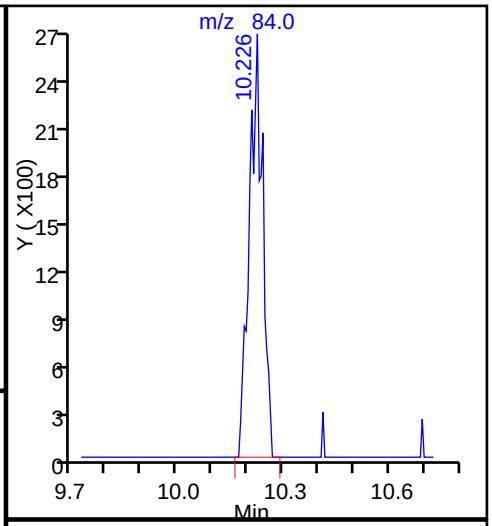
TestAmerica Burlington

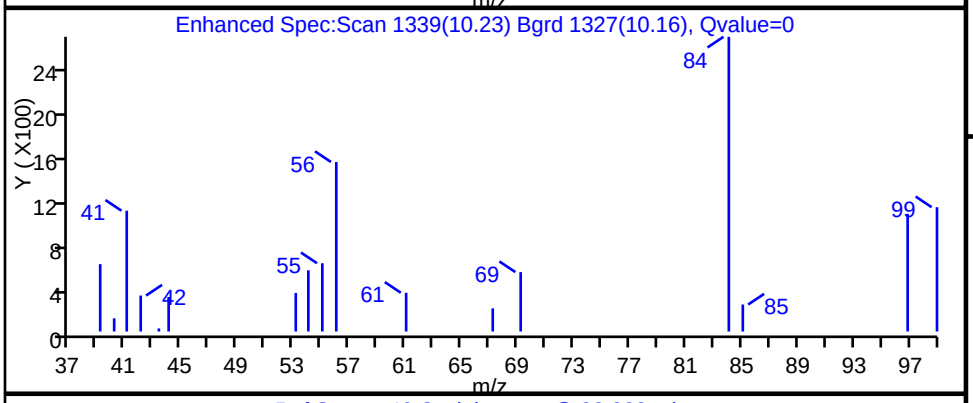
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_12.D

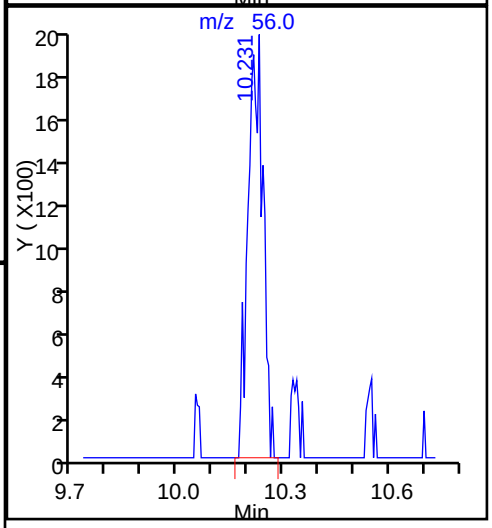
Injection Date:	15-Oct-2014 20:38:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-7	Lab Sample ID:	200-24716-7		
Client ID:	SDS-7				
Operator ID:	pad	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

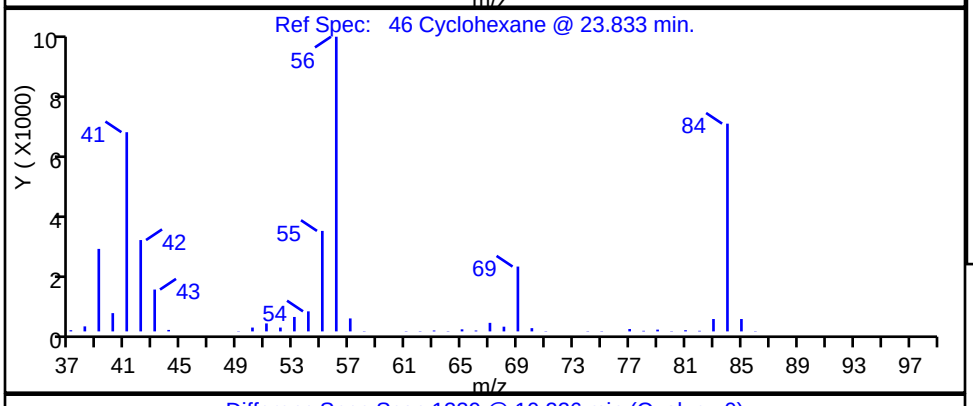
46 Cyclohexane, CAS: 110-82-7

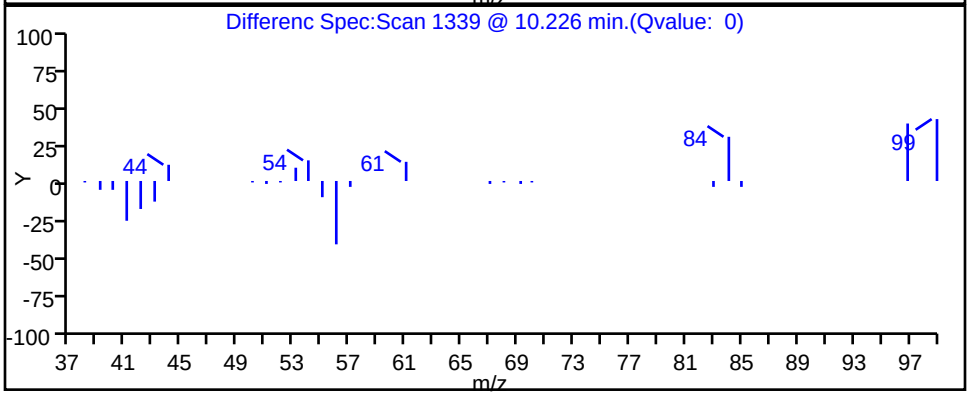












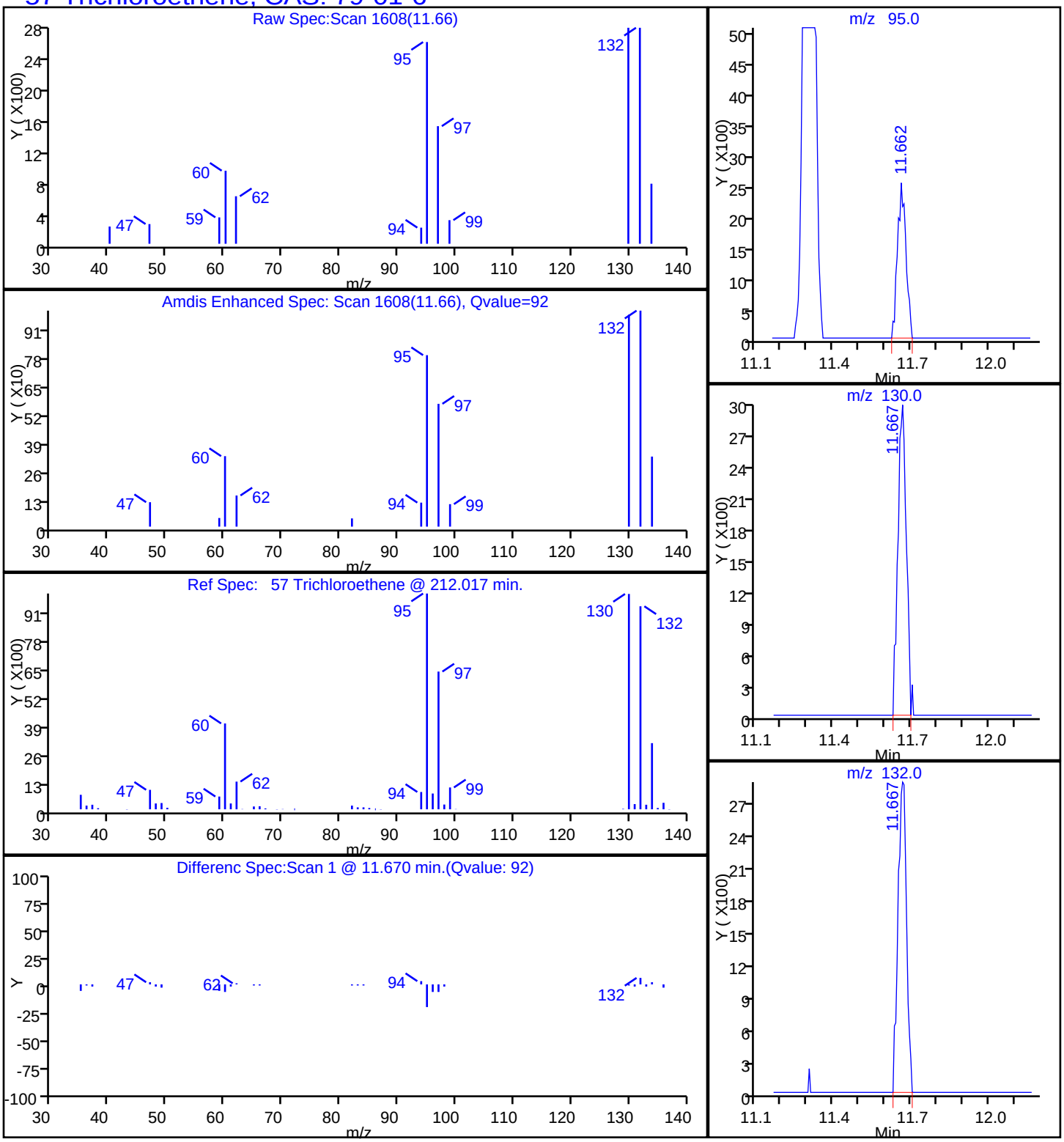
Report Date: 16-Oct-2014 11:43:59 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_12.D

Injection Date:	15-Oct-2014 20:38:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-7	Lab Sample ID:	200-24716-7		
Client ID:	SDS-7				
Operator ID:	pad	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

57 Trichloroethene, CAS: 79-01-6



Report Date: 16-Oct-2014 11:43:59 Chrom Revision: 2.2 07-Oct-2014 12:16:06

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Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_12.D

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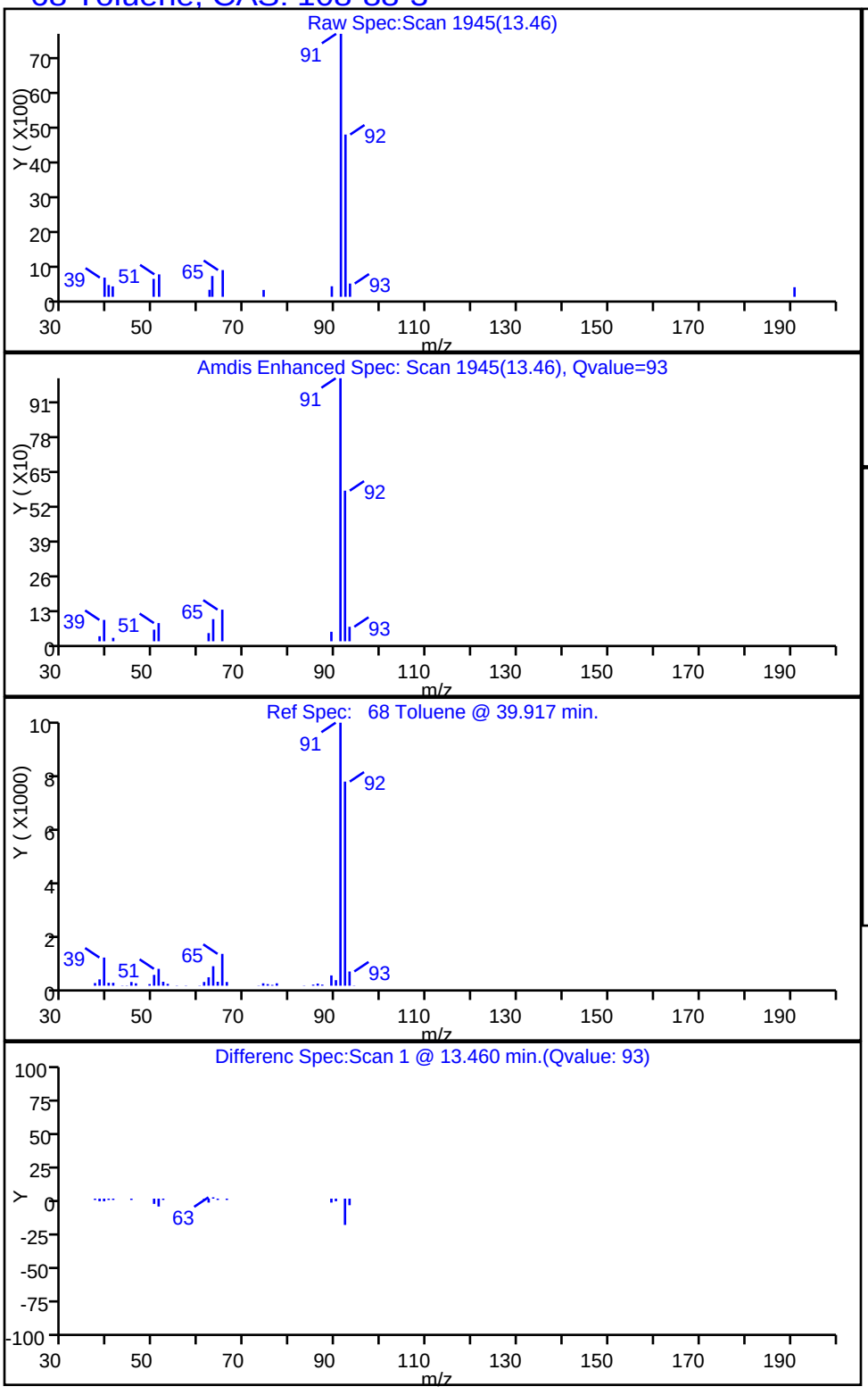
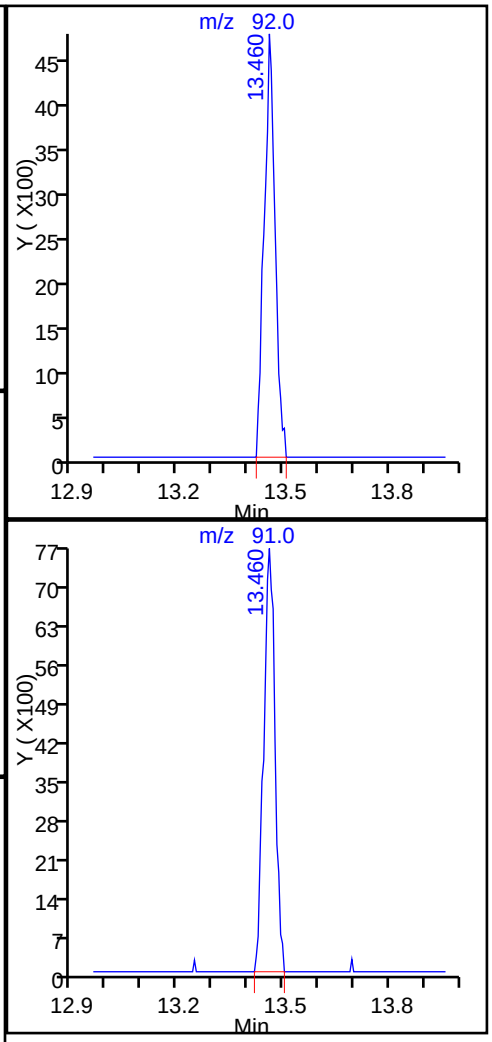
Client ID:	SDS-7				
Operator ID:	pad	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Toluene, CAS: 108-88-3





Report Date: 16-Oct-2014 11:43:59 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

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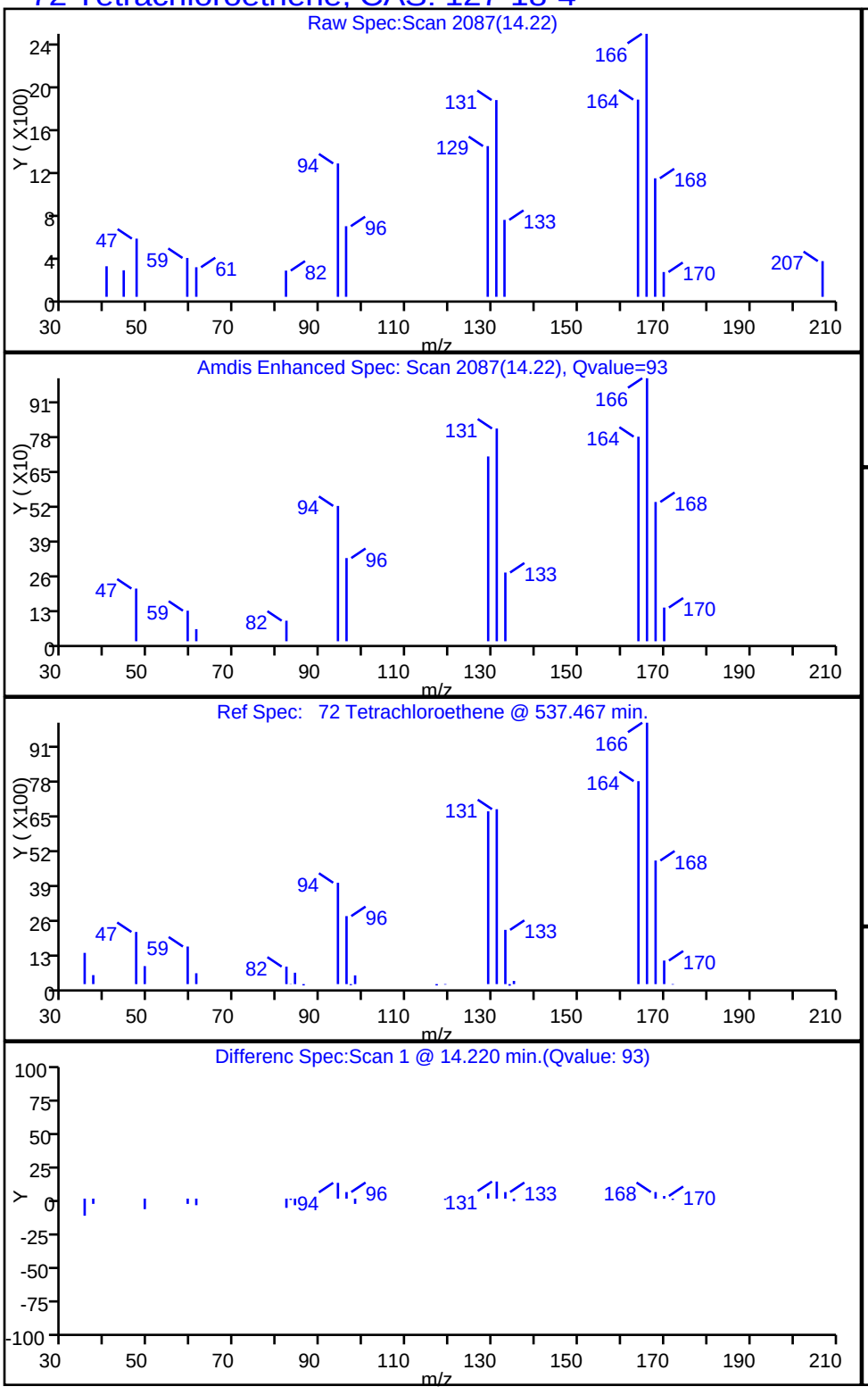
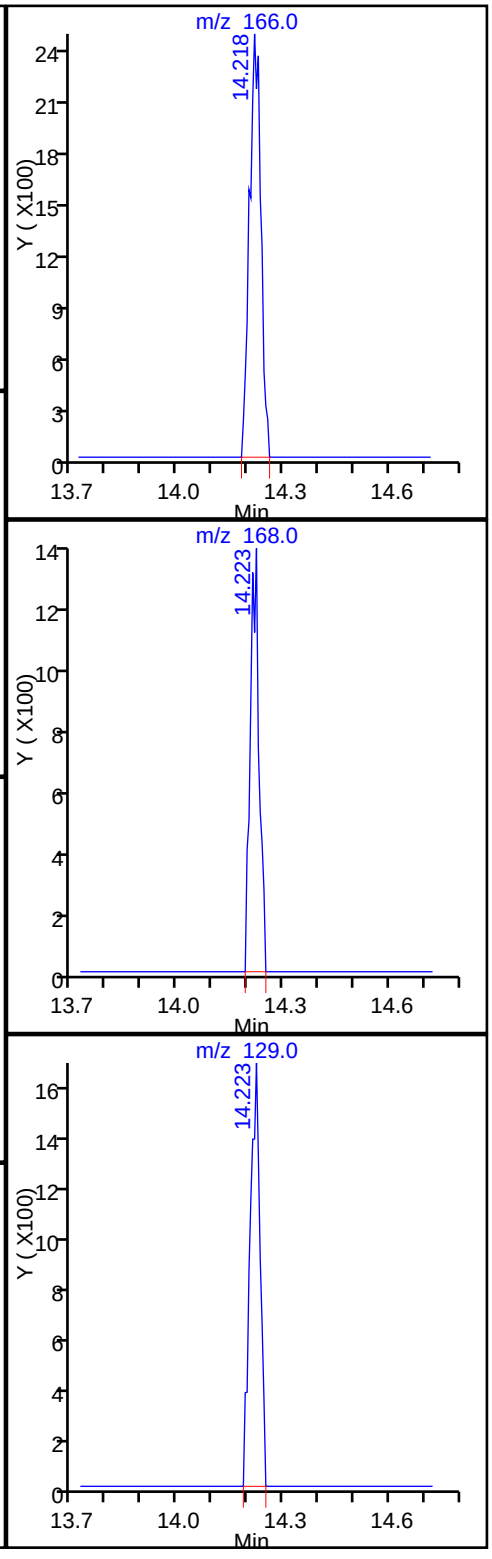
Client ID:	SDS-7				
Operator ID:	pad	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4





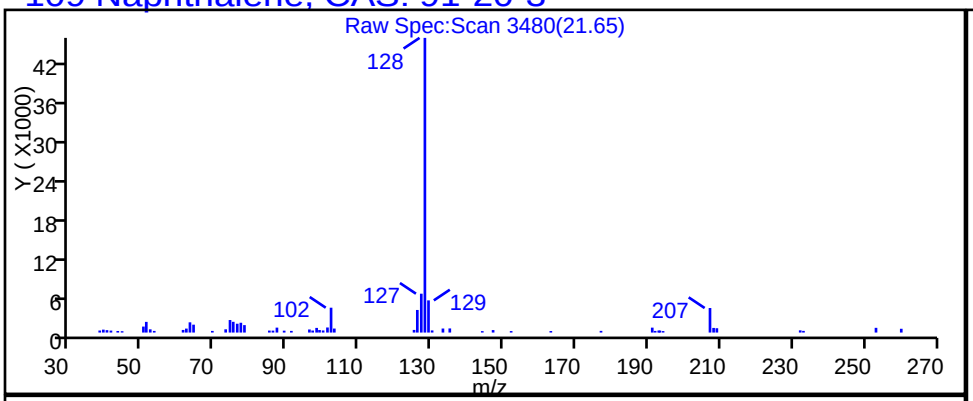
Report Date: 16-Oct-2014 11:43:59 Chrom Revision: 2.2 07-Oct-2014 12:16:06

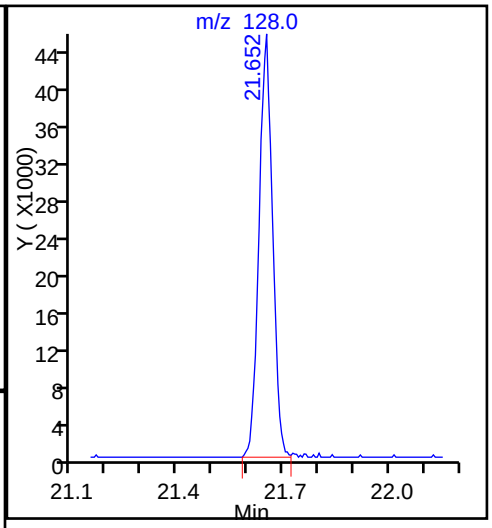
TestAmerica Burlington

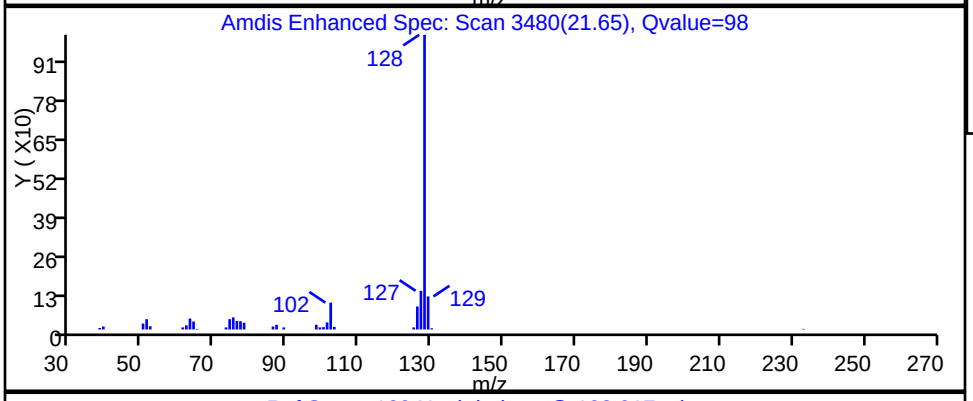
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_12.D

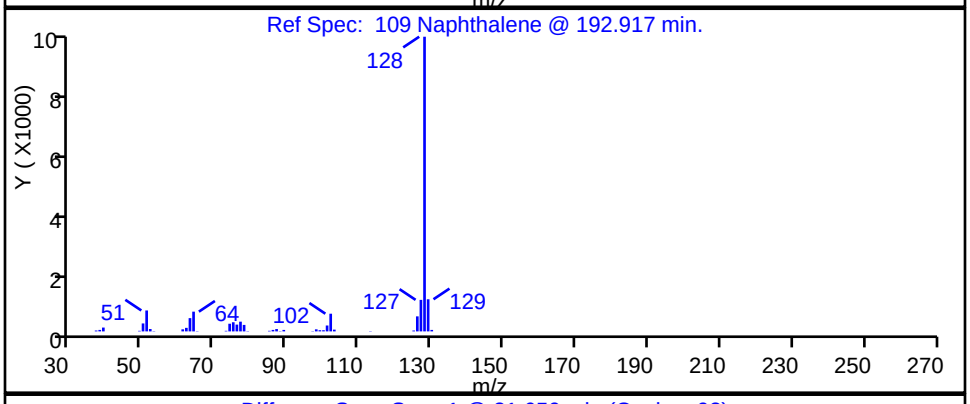
Injection Date:	15-Oct-2014 20:38:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-7	Lab Sample ID:	200-24716-7		
Client ID:	SDS-7				
Operator ID:	pad	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

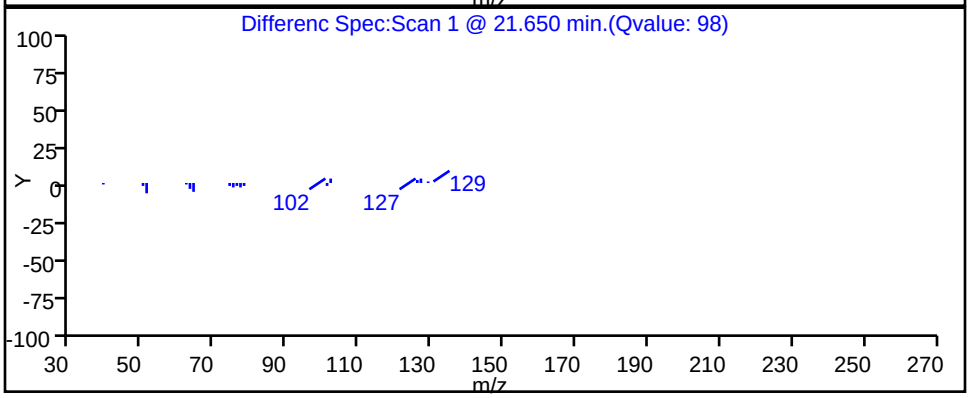
109 Naphthalene, CAS: 91-20-3











Manual Integration/User Assign Peak Report

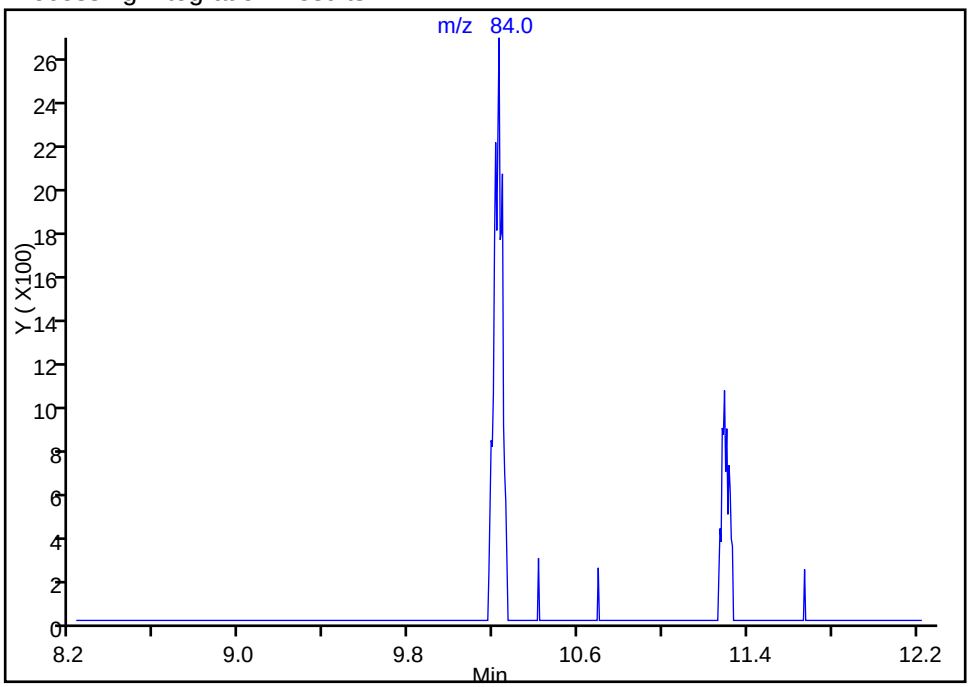
TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_12.D				
Injection Date:	15-Oct-2014 20:38:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-7	Lab Sample ID:	200-24716-7		
Client ID:	SDS-7				
Operator ID:	pad	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

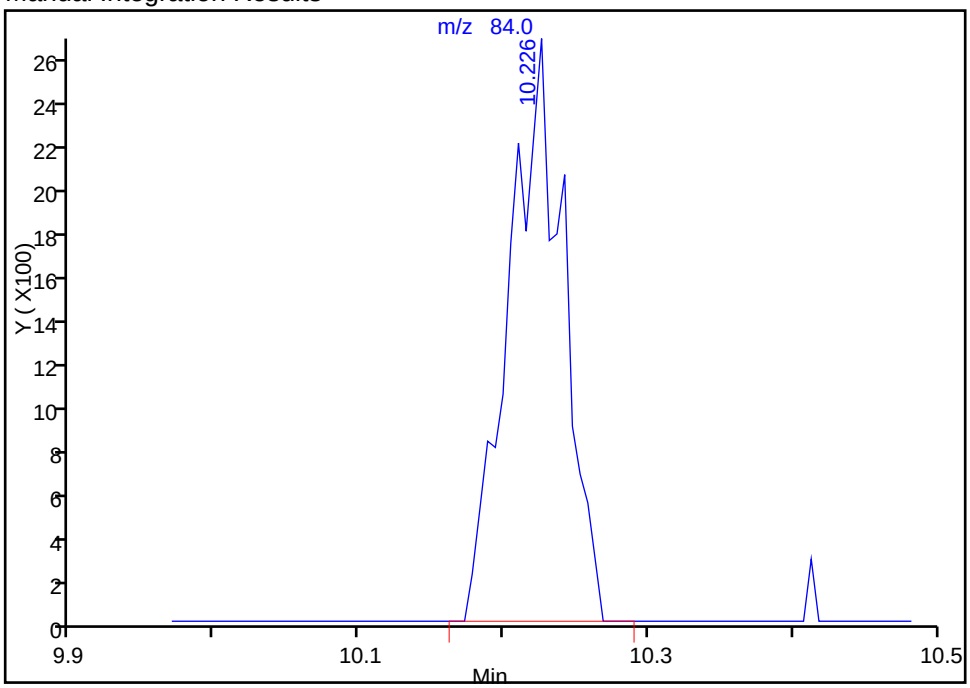
Processing Integration Results

Not Detected
Expected RT: 10.23



Manual Integration Results

RT: 10.23
Response: 6911
Amount: 0.142305



Reviewer: daiglep, 16-Oct-2014 11:23:29
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

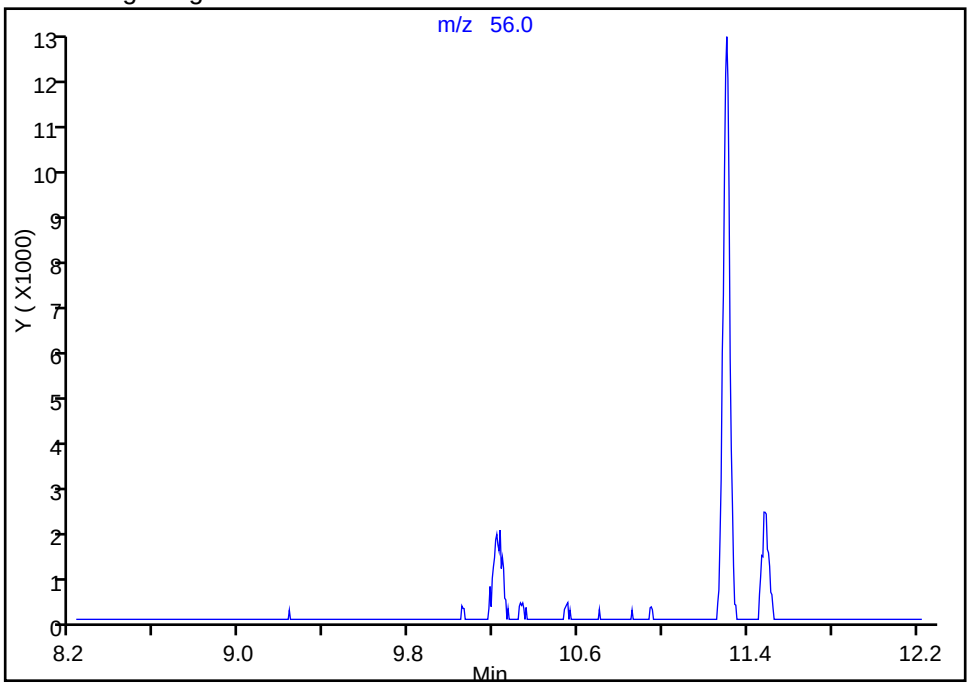
TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_12.D				
Injection Date:	15-Oct-2014 20:38:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-7	Lab Sample ID:	200-24716-7		
Client ID:	SDS-7				
Operator ID:	pad	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

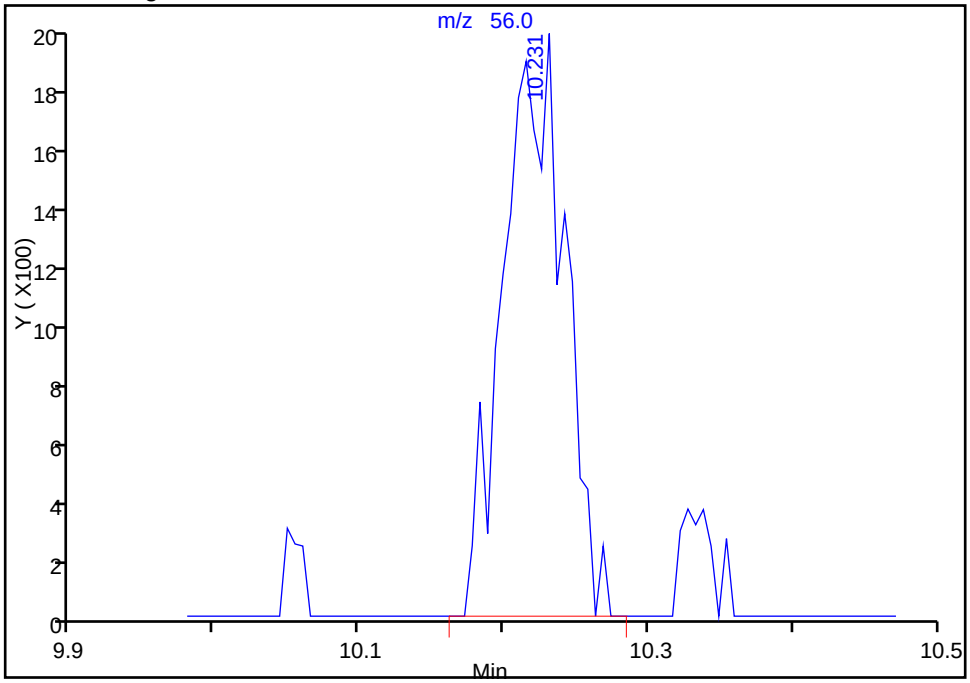
Processing Integration Results

Not Detected
Expected RT: 10.23



Manual Integration Results

RT: 10.23
Response: 5813
Amount: 0.142305



Reviewer: daiglep, 16-Oct-2014 11:23:29
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-8 Lab Sample ID: 200-24716-8

Matrix: Air Lab File ID: 10013_21.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:14

Sample wt/vol: 67(mL) Date Analyzed: 10/16/2014 07:45

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	1.2	J	1.5	0.17
75-45-6	Freon 22	86.47	2.3		1.5	0.24
76-14-2	Freon-114	170.92	0.60	U	0.60	0.16
74-87-3	Chloromethane	50.49	1.5	U	1.5	0.18
106-97-8	n-Butane	58.12	6.6		1.5	0.54
75-01-4	Vinyl chloride	62.50	0.12	U	0.12	0.078
106-99-0	1,3-Butadiene	54.09	0.60	U	0.60	0.11
74-83-9	Bromomethane	94.94	0.60	U	0.60	0.13
75-00-3	Chloroethane	64.52	1.5	U	1.5	0.18
593-60-2	Vinyl bromide	106.96	0.60	U	0.60	0.060
75-69-4	Freon 11	137.37	0.35	J	0.60	0.13
76-13-1	Freon 113	187.38	0.77		0.60	0.12
75-35-4	1,1-Dichloroethene	96.94	0.60	U	0.60	0.030
67-64-1	Acetone	58.08	15		15	2.1
67-63-0	Isopropyl alcohol	60.10	110		15	0.45
75-15-0	Carbon disulfide	76.14	1.5	U	1.5	0.090
107-05-1	Allyl chloride	76.53	1.5	U	1.5	0.48
75-09-2	Methylene Chloride	84.93	27		1.5	0.36
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.60	U	0.60	0.066
156-60-5	trans-1,2-Dichloroethene	96.94	0.60	U	0.60	0.081
110-54-3	Hexane	86.17	0.60	U	0.60	0.084
75-34-3	1,1-Dichloroethane	98.96	0.26	J	0.60	0.084
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.28
156-59-2	cis-1,2-Dichloroethene	96.94	0.48	J	0.60	0.090
540-59-0	1,2-Dichloroethene, Total	96.94	0.48	J	0.60	0.16
67-66-3	Chloroform	119.38	4.8		0.60	0.11
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.54
71-55-6	1,1,1-Trichloroethane	133.41	0.88		0.60	0.090
110-82-7	Cyclohexane	84.16	0.60	U	0.60	0.030
56-23-5	Carbon tetrachloride	153.81	0.10	J	0.12	0.033
540-84-1	2,2,4-Trimethylpentane	114.23	0.60	U	0.60	0.069
71-43-2	Benzene	78.11	0.60	U	0.60	0.087
107-06-2	1,2-Dichloroethane	98.96	0.60	U	0.60	0.16
142-82-5	Heptane	100.21	0.60	U	0.60	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-8 Lab Sample ID: 200-24716-8

Matrix: Air Lab File ID: 10013_21.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:14

Sample wt/vol: 67(mL) Date Analyzed: 10/16/2014 07:45

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	8.4		0.12	0.090
80-62-6	Methyl methacrylate	100.12	1.5	U	1.5	0.29
78-87-5	1,2-Dichloropropane	112.99	0.60	U	0.60	0.10
123-91-1	1,4-Dioxane	88.11	15	U	15	0.48
75-27-4	Bromodichloromethane	163.83	0.60	U	0.60	0.087
10061-01-5	cis-1,3-Dichloropropene	110.97	0.60	U	0.60	0.087
108-10-1	methyl isobutyl ketone	100.16	1.5	U	1.5	0.54
108-88-3	Toluene	92.14	1.3		0.60	0.075
10061-02-6	trans-1,3-Dichloropropene	110.97	0.60	U	0.60	0.078
79-00-5	1,1,2-Trichloroethane	133.41	0.60	U	0.60	0.11
127-18-4	Tetrachloroethene	165.83	2.1		0.60	0.090
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.5	U	1.5	0.51
124-48-1	Dibromochloromethane	208.29	0.60	U	0.60	0.060
106-93-4	1,2-Dibromoethane	187.87	0.60	U	0.60	0.054
108-90-7	Chlorobenzene	112.56	0.60	U	0.60	0.054
100-41-4	Ethylbenzene	106.17	0.60	U	0.60	0.060
179601-23-1	m,p-Xylene	106.17	0.27	J	1.5	0.075
95-47-6	Xylene, o-	106.17	0.60	U	0.60	0.054
1330-20-7	Xylene (total)	106.17	0.27	J	0.60	0.12
100-42-5	Styrene	104.15	0.60	U	0.60	0.048
75-25-2	Bromoform	252.75	0.60	U	0.60	0.075
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.60	U	0.60	0.10
103-65-1	n-Propylbenzene	120.19	0.60	U	0.60	0.081
622-96-8	4-Ethyltoluene	120.20	0.60	U	0.60	0.060
108-67-8	1,3,5-Trimethylbenzene	120.20	0.60	U	0.60	0.057
95-49-8	2-Chlorotoluene	126.59	0.60	U	0.60	0.093
98-06-6	tert-Butylbenzene	134.22	0.60	U	0.60	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	0.60	U	0.60	0.048
135-98-8	sec-Butylbenzene	134.22	0.60	U	0.60	0.063
99-87-6	4-Isopropyltoluene	134.22	0.60	U	0.60	0.060
541-73-1	1,3-Dichlorobenzene	147.00	0.60	U	0.60	0.060
106-46-7	1,4-Dichlorobenzene	147.00	0.60	U	0.60	0.057
100-44-7	Benzyl chloride	126.58	0.60	U	0.60	0.054
104-51-8	n-Butylbenzene	134.22	0.60	U	0.60	0.084

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-8 Lab Sample ID: 200-24716-8

Matrix: Air Lab File ID: 10013_21.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:14

Sample wt/vol: 67(mL) Date Analyzed: 10/16/2014 07:45

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.60	U	0.60	0.054
120-82-1	1,2,4-Trichlorobenzene	181.45	1.5	U	1.5	0.10
87-68-3	Hexachloro-1,3-butadiene	260.76	0.60	U	0.60	0.11
91-20-3	Naphthalene	128.17	1.5	U	1.5	0.090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-8 Lab Sample ID: 200-24716-8

Matrix: Air Lab File ID: 10013_21.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:14

Sample wt/vol: 67(mL) Date Analyzed: 10/16/2014 07:45

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	5.9	J	7.4	0.83
75-45-6	Freon 22	86.47	8.1		5.3	0.85
76-14-2	Freon-114	170.92	4.2	U	4.2	1.1
74-87-3	Chloromethane	50.49	3.1	U	3.1	0.37
106-97-8	n-Butane	58.12	16		3.6	1.3
75-01-4	Vinyl chloride	62.50	0.31	U	0.31	0.20
106-99-0	1,3-Butadiene	54.09	1.3	U	1.3	0.24
74-83-9	Bromomethane	94.94	2.3	U	2.3	0.51
75-00-3	Chloroethane	64.52	3.9	U	3.9	0.48
593-60-2	Vinyl bromide	106.96	2.6	U	2.6	0.26
75-69-4	Freon 11	137.37	1.9	J	3.4	0.76
76-13-1	Freon 113	187.38	5.9		4.6	0.94
75-35-4	1,1-Dichloroethene	96.94	2.4	U	2.4	0.12
67-64-1	Acetone	58.08	35		36	4.9
67-63-0	Isopropyl alcohol	60.10	270		37	1.1
75-15-0	Carbon disulfide	76.14	4.7	U	4.7	0.28
107-05-1	Allyl chloride	76.53	4.7	U	4.7	1.5
75-09-2	Methylene Chloride	84.93	94		5.2	1.2
75-65-0	tert-Butyl alcohol	74.12	45	U	45	1.1
1634-04-4	Methyl tert-butyl ether	88.15	2.2	U	2.2	0.24
156-60-5	trans-1,2-Dichloroethene	96.94	2.4	U	2.4	0.32
110-54-3	Hexane	86.17	2.1	U	2.1	0.30
75-34-3	1,1-Dichloroethane	98.96	1.1	J	2.4	0.34
78-93-3	Methyl Ethyl Ketone	72.11	4.4	U	4.4	0.81
156-59-2	cis-1,2-Dichloroethene	96.94	1.9	J	2.4	0.36
540-59-0	1,2-Dichloroethene, Total	96.94	1.9	J	2.4	0.63
67-66-3	Chloroform	119.38	23		2.9	0.55
109-99-9	Tetrahydrofuran	72.11	44	U	44	1.6
71-55-6	1,1,1-Trichloroethane	133.41	4.8		3.3	0.49
110-82-7	Cyclohexane	84.16	2.1	U	2.1	0.10
56-23-5	Carbon tetrachloride	153.81	0.64	J	0.75	0.21
540-84-1	2,2,4-Trimethylpentane	114.23	2.8	U	2.8	0.32
71-43-2	Benzene	78.11	1.9	U	1.9	0.28
107-06-2	1,2-Dichloroethane	98.96	2.4	U	2.4	0.63
142-82-5	Heptane	100.21	2.5	U	2.5	0.45

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-8 Lab Sample ID: 200-24716-8

Matrix: Air Lab File ID: 10013_21.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:14

Sample wt/vol: 67(mL) Date Analyzed: 10/16/2014 07:45

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	45		0.64	0.48
80-62-6	Methyl methacrylate	100.12	6.1	U	6.1	1.2
78-87-5	1,2-Dichloropropane	112.99	2.8	U	2.8	0.48
123-91-1	1,4-Dioxane	88.11	54	U	54	1.7
75-27-4	Bromodichloromethane	163.83	4.0	U	4.0	0.58
10061-01-5	cis-1,3-Dichloropropene	110.97	2.7	U	2.7	0.39
108-10-1	methyl isobutyl ketone	100.16	6.1	U	6.1	2.2
108-88-3	Toluene	92.14	4.7		2.3	0.28
10061-02-6	trans-1,3-Dichloropropene	110.97	2.7	U	2.7	0.35
79-00-5	1,1,2-Trichloroethane	133.41	3.3	U	3.3	0.60
127-18-4	Tetrachloroethene	165.83	14		4.1	0.61
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	6.1	U	6.1	2.1
124-48-1	Dibromochloromethane	208.29	5.1	U	5.1	0.51
106-93-4	1,2-Dibromoethane	187.87	4.6	U	4.6	0.41
108-90-7	Chlorobenzene	112.56	2.8	U	2.8	0.25
100-41-4	Ethylbenzene	106.17	2.6	U	2.6	0.26
179601-23-1	m,p-Xylene	106.17	1.2	J	6.5	0.32
95-47-6	Xylene, o-	106.17	2.6	U	2.6	0.23
1330-20-7	Xylene (total)	106.17	1.2	J	2.6	0.53
100-42-5	Styrene	104.15	2.5	U	2.5	0.20
75-25-2	Bromoform	252.75	6.2	U	6.2	0.77
79-34-5	1,1,2,2-Tetrachloroethane	167.85	4.1	U	4.1	0.70
103-65-1	n-Propylbenzene	120.19	2.9	U	2.9	0.40
622-96-8	4-Ethyltoluene	120.20	2.9	U	2.9	0.29
108-67-8	1,3,5-Trimethylbenzene	120.20	2.9	U	2.9	0.28
95-49-8	2-Chlorotoluene	126.59	3.1	U	3.1	0.48
98-06-6	tert-Butylbenzene	134.22	3.3	U	3.3	0.33
95-63-6	1,2,4-Trimethylbenzene	120.20	2.9	U	2.9	0.24
135-98-8	sec-Butylbenzene	134.22	3.3	U	3.3	0.34
99-87-6	4-Isopropyltoluene	134.22	3.3	U	3.3	0.33
541-73-1	1,3-Dichlorobenzene	147.00	3.6	U	3.6	0.36
106-46-7	1,4-Dichlorobenzene	147.00	3.6	U	3.6	0.34
100-44-7	Benzyl chloride	126.58	3.1	U	3.1	0.28
104-51-8	n-Butylbenzene	134.22	3.3	U	3.3	0.46

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: SDS-8 Lab Sample ID: 200-24716-8

Matrix: Air Lab File ID: 10013_21.D

Analysis Method: TO-15 Date Collected: 10/09/2014 12:14

Sample wt/vol: 67(mL) Date Analyzed: 10/16/2014 07:45

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	3.6	U	3.6	0.32
120-82-1	1,2,4-Trichlorobenzene	181.45	11	U	11	0.75
87-68-3	Hexachloro-1,3-butadiene	260.76	6.4	U	6.4	1.1
91-20-3	Naphthalene	128.17	7.8	U	7.8	0.47

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D
Lims ID: 200-24716-A-8 Lab Sample ID: 200-24716-8
Client ID: SDS-8
Sample Type: Client
Inject. Date: 16-Oct-2014 07:45:30 ALS Bottle#: 12 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 2.9900
Sample Info: 200-0010013-021
Misc. Info.: 24716-08
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 16-Oct-2014 11:43:38 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 16-Oct-2014 11:41:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.224	3.224	0.000	98	50563	0.3965	
6 Chlorodifluoromethane	51	3.267	3.266	0.001	96	39435	0.7635	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.453				ND	
8 Chloromethane	50		3.592				ND	
9 Butane	43	3.774	3.773	0.001	94	72302	2.21	
10 Vinyl chloride	62		3.816				ND	
11 Butadiene	54		3.880				ND	
12 Bromomethane	94		4.595				ND	
14 Chloroethane	64		4.841				ND	
16 Vinyl bromide	106		5.257				ND	
17 Trichlorofluoromethane	101	5.353	5.353	0.000	97	17037	0.1155	
23 1,1,2-Trichloro-1,2,2-trif	101	6.394	6.399	-0.005	94	22916	0.2590	
24 1,1-Dichloroethene	96		6.479				ND	
25 Acetone	43	6.655	6.655	0.000	85	261048	4.93	
26 Isopropyl alcohol	45	6.858	6.858	0.000	97	1325500	36.6	
27 Carbon disulfide	76		6.912				ND	
29 3-Chloro-1-propene	41		7.200				ND	
31 Methylene Chloride	49	7.461	7.467	-0.006	80	278470	9.05	
32 2-Methyl-2-propanol	59		7.568				ND	
33 Methyl tert-butyl ether	73		7.798				ND	
34 trans-1,2-Dichloroethene	61		7.867				ND	
36 Hexane	57		8.182				ND	
37 1,1-Dichloroethane	63	8.625	8.625	0.000	96	5368	0.0882	
* 44 Chlorobromomethane	128	9.900	9.906	-0.006	67	439685	10.0	
39 cis-1,2-Dichloroethene	96	9.537	9.532	0.005	66	7042	0.1619	
40 2-Butanone (MEK)	72		9.532				ND	
43 Tetrahydrofuran	42		9.906				ND	
45 Chloroform	83	9.970	9.975	-0.005	98	156844	1.61	
S 42 1,2-Dichloroethene, Total	61				0		0.1619	
47 1,1,1-Trichloroethane	97	10.226	10.226	0.000	95	35199	0.2949	
46 Cyclohexane	84		10.226				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	10.418	10.423	-0.005	93	4514	0.0342	
49 Isooctane	57		10.695				ND	
50 Benzene	78		10.760				ND	
51 1,2-Dichloroethane	62		10.877				ND	
52 n-Heptane	43		10.941				ND	
* 54 1,4-Difluorobenzene	114	11.304	11.304	0.000	92	2114851	10.0	
57 Trichloroethene	95	11.661	11.667	-0.006	96	174054	2.81	
58 1,2-Dichloropropane	63		12.056				ND	
59 Methyl methacrylate	69		12.078				ND	
60 1,4-Dioxane	88		12.174				ND	
62 Dichlorobromomethane	83		12.409				ND	
64 cis-1,3-Dichloropropene	75		13.038				ND	
65 4-Methyl-2-pentanone (MIBK	43		13.188				ND	
68 Toluene	92	13.460	13.460	0.000	93	38599	0.4202	
70 trans-1,3-Dichloropropene	75		13.834				ND	
71 1,1,2-Trichloroethane	83		14.106				ND	
72 Tetrachloroethene	166	14.218	14.223	-0.005	97	65071	0.6870	
73 2-Hexanone	43		14.357				ND	
74 Chlorodibromomethane	129		14.650				ND	
75 Ethylene Dibromide	107		14.853				ND	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	84	1825612	10.0	
77 Chlorobenzene	112		15.435				ND	
79 Ethylbenzene	91		15.499				ND	
80 m-Xylene & p-Xylene	106	15.637	15.643	-0.006	0	8496	0.0911	
S 81 Xylenes, Total	106				0		0.0911	
82 o-Xylene	106		16.150				ND	
83 Styrene	104		16.176				ND	
84 Bromoform	173		16.470				ND	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	90	1393115	NC	
87 1,1,2,2-Tetrachloroethane	83		16.972				ND	
88 N-Propylbenzene	91		17.030				ND	
91 4-Ethyltoluene	105		17.153				ND	
92 2-Chlorotoluene	91		17.201				ND	
93 1,3,5-Trimethylbenzene	105		17.223				ND	
95 tert-Butylbenzene	119		17.601				ND	
96 1,2,4-Trimethylbenzene	105		17.676				ND	
97 sec-Butylbenzene	105		17.863				ND	
98 4-Isopropyltoluene	119		18.018				ND	
99 1,3-Dichlorobenzene	146		18.103				ND	
100 1,4-Dichlorobenzene	146		18.215				ND	
101 Benzyl chloride	91		18.381				ND	
103 n-Butylbenzene	91		18.535				ND	
104 1,2-Dichlorobenzene	146		18.717				ND	
107 1,2,4-Trichlorobenzene	180		21.140				ND	
108 Hexachlorobutadiene	225		21.300				ND	
109 Naphthalene	128		21.652				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15BISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

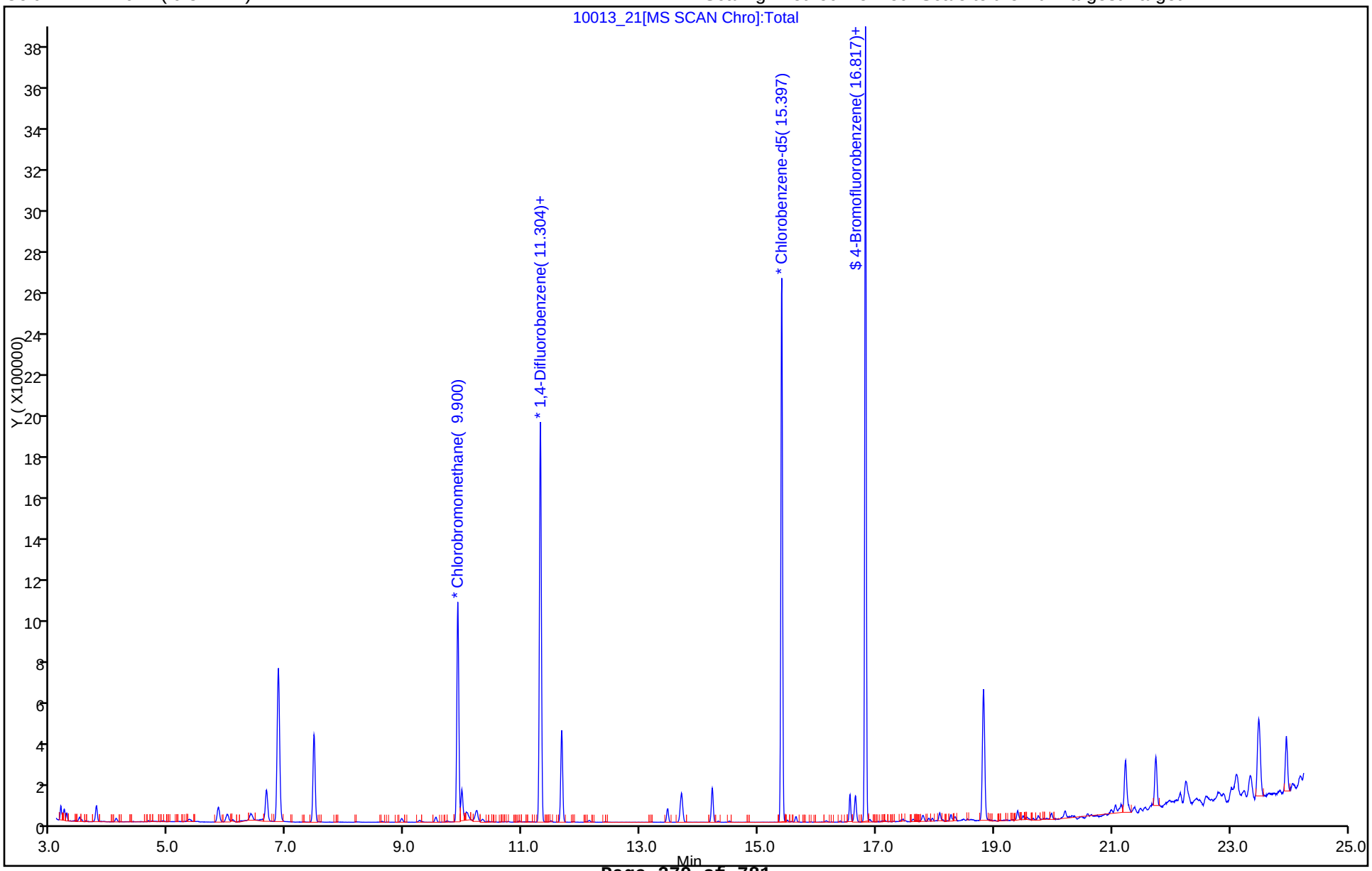
Report Date: 16-Oct-2014 11:44:09 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8	Worklist Smp#:	21
Client ID:	SDS-8				
Purge Vol:	5.000 mL	Dil. Factor:	2.9900	ALS Bottle#:	12
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



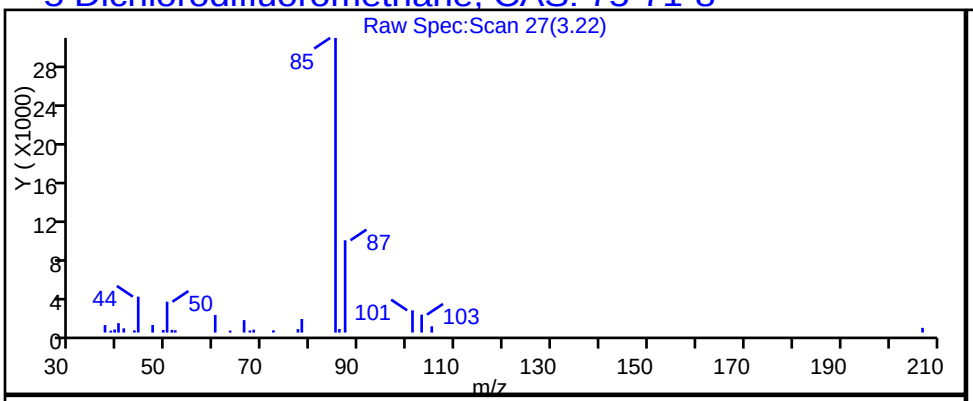
Report Date: 16-Oct-2014 11:44:09 Chrom Revision: 2.2 07-Oct-2014 12:16:06

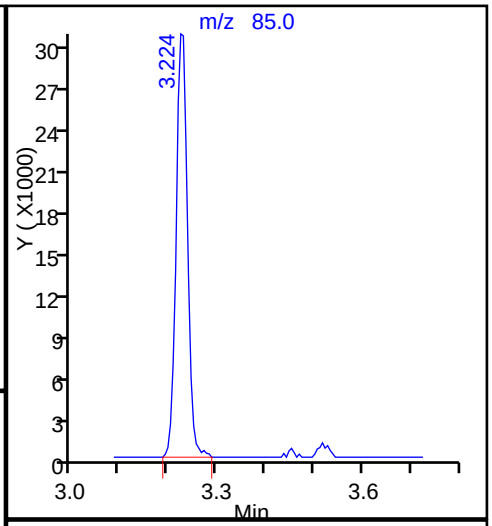
TestAmerica Burlington

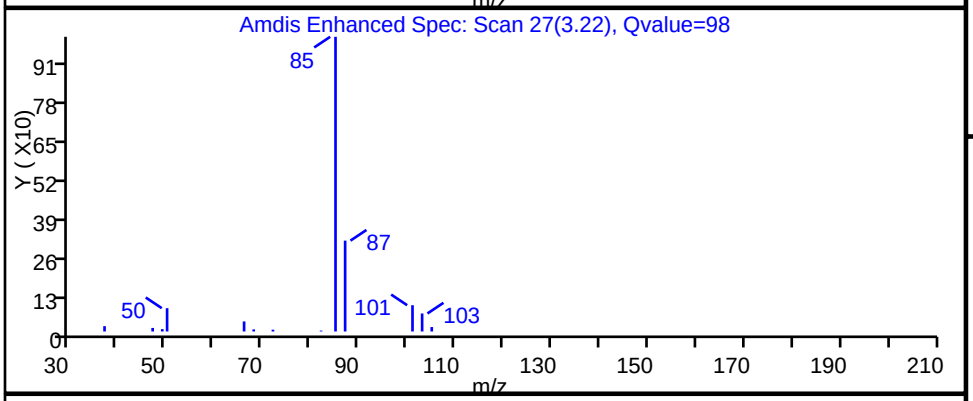
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

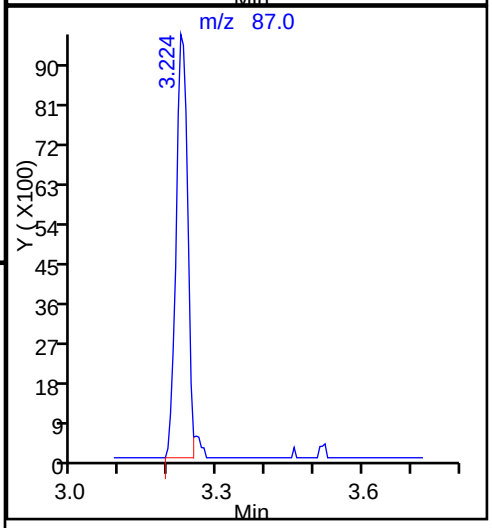
Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8		
Client ID:	SDS-8				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

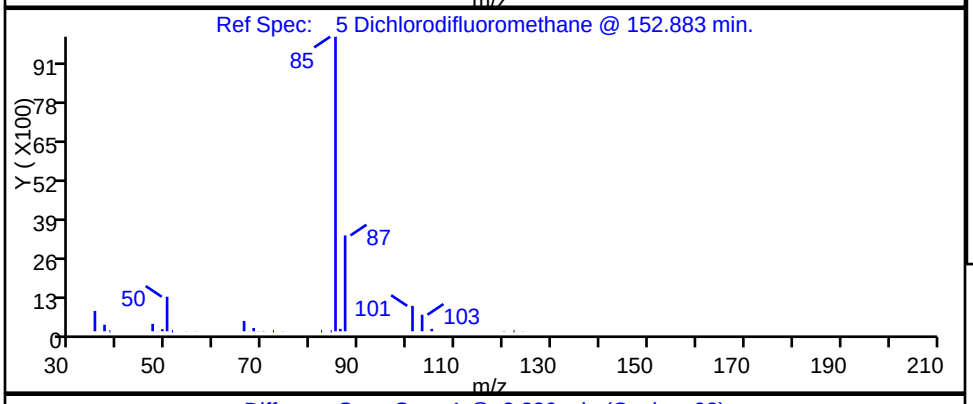
5 Dichlorodifluoromethane, CAS: 75-71-8

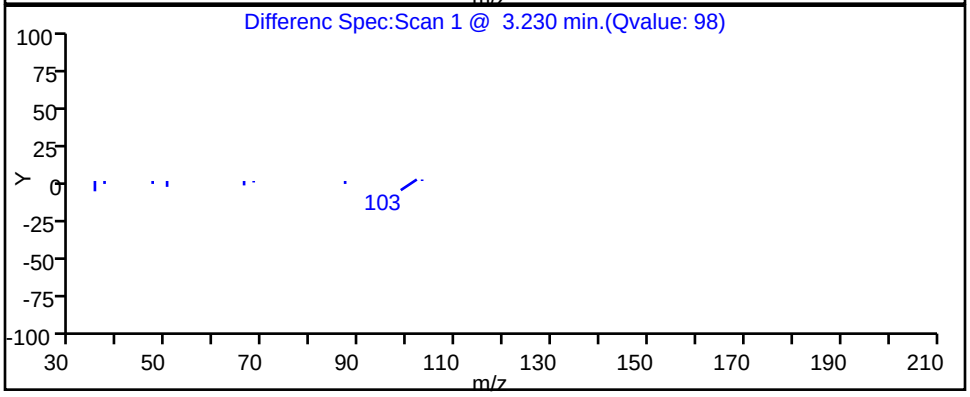












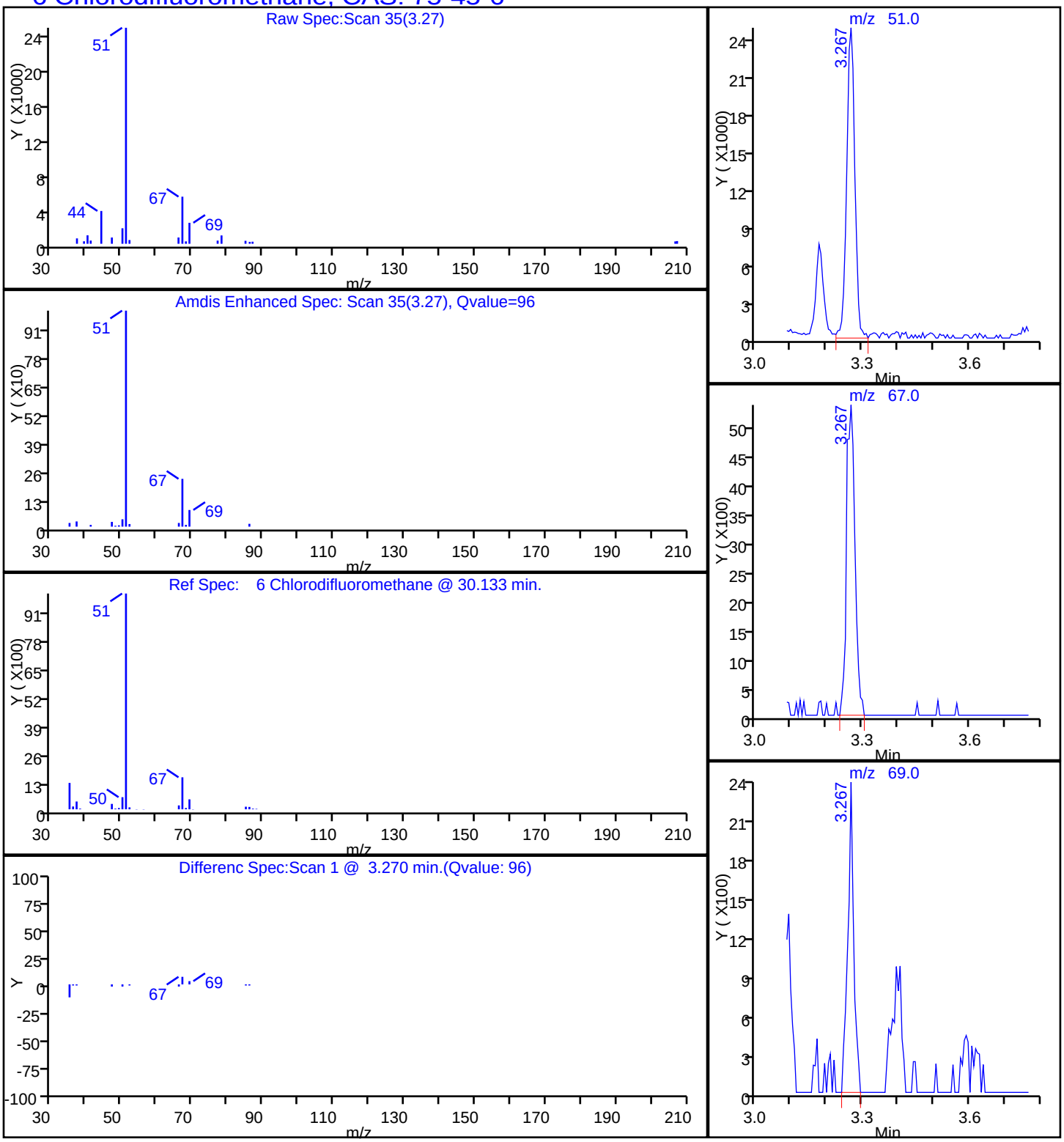
Report Date: 16-Oct-2014 11:44:09 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8		
Client ID:	SDS-8				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



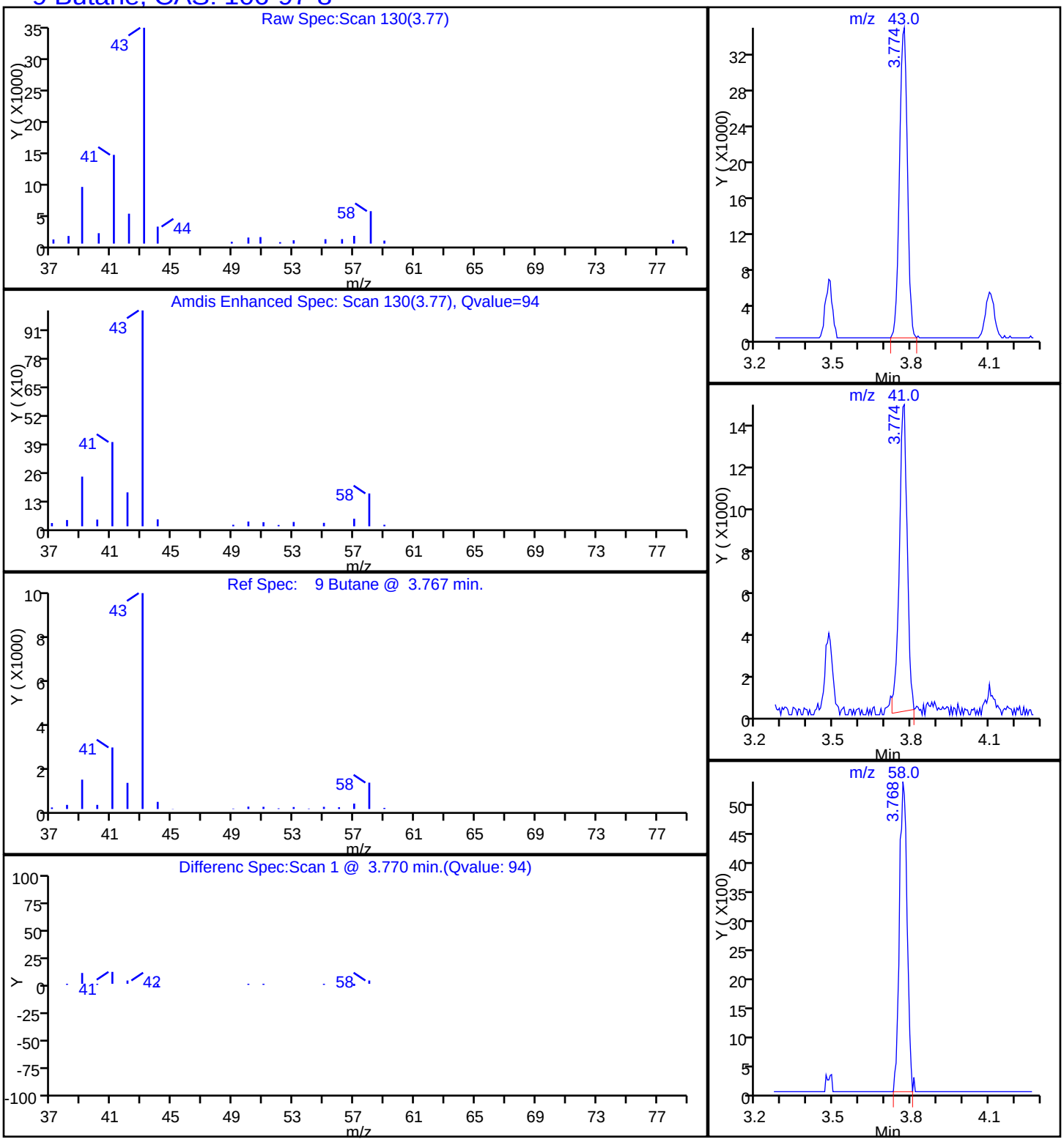
Report Date: 16-Oct-2014 11:44:09 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8		
Client ID:	SDS-8				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



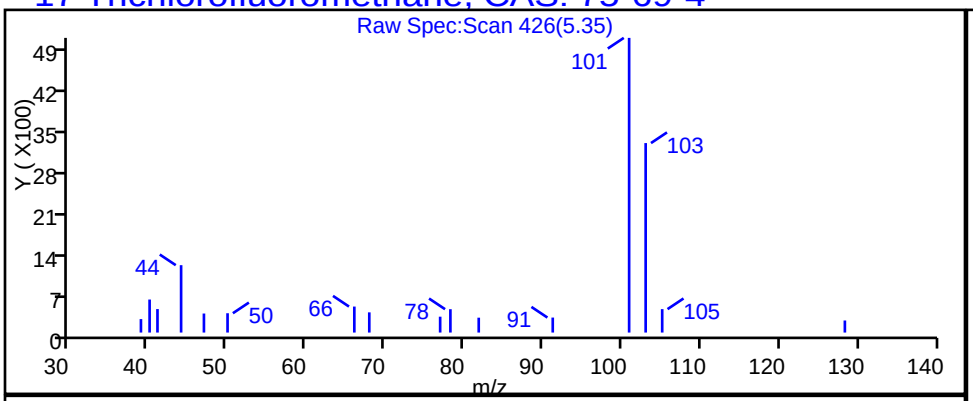
Report Date: 16-Oct-2014 11:44:09 Chrom Revision: 2.2 07-Oct-2014 12:16:06

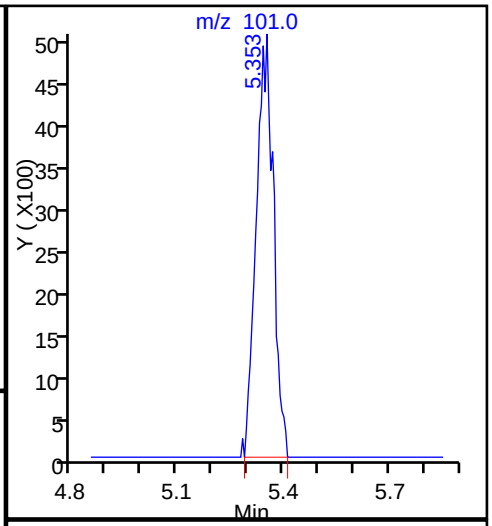
TestAmerica Burlington

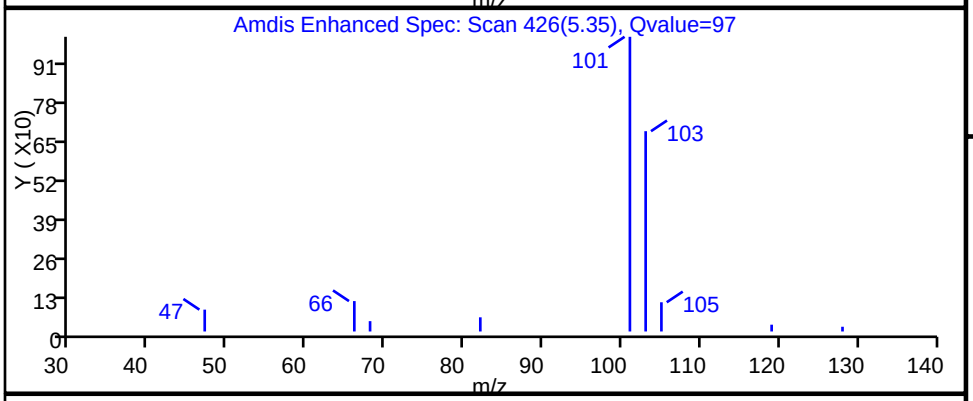
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

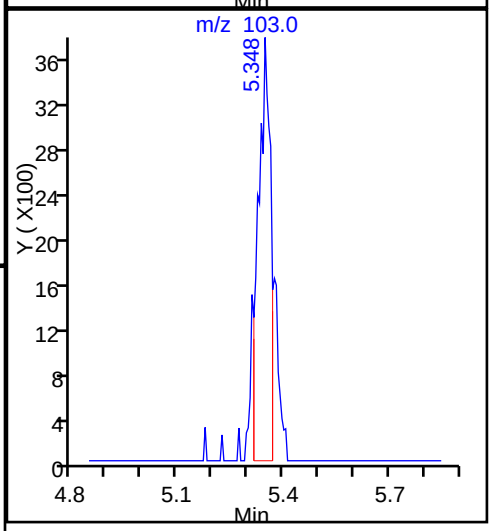
Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8		
Client ID:	SDS-8				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

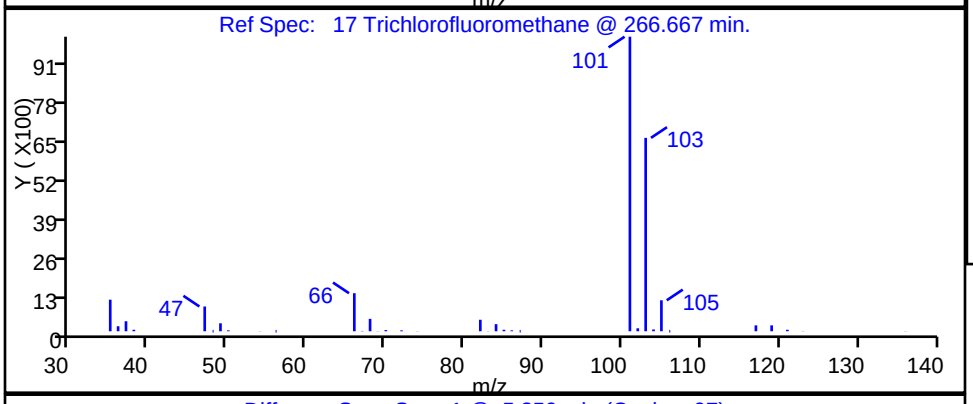
17 Trichlorofluoromethane, CAS: 75-69-4

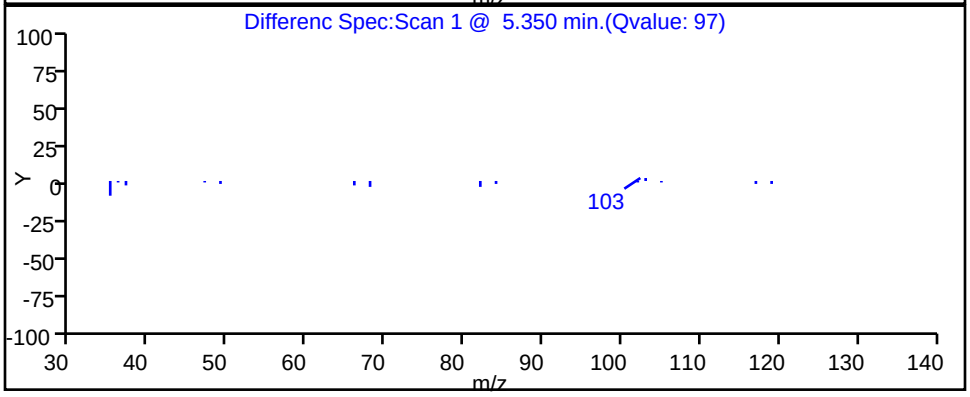












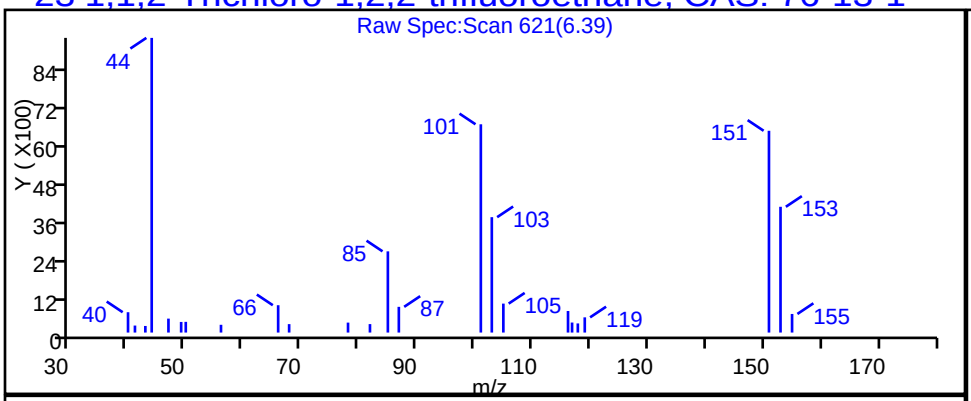
Report Date: 16-Oct-2014 11:44:10 Chrom Revision: 2.2 07-Oct-2014 12:16:06

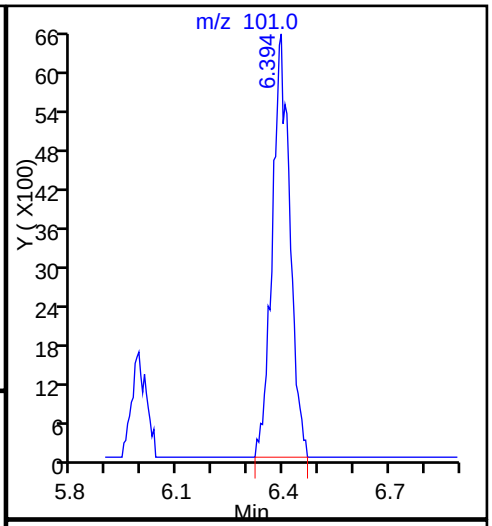
TestAmerica Burlington

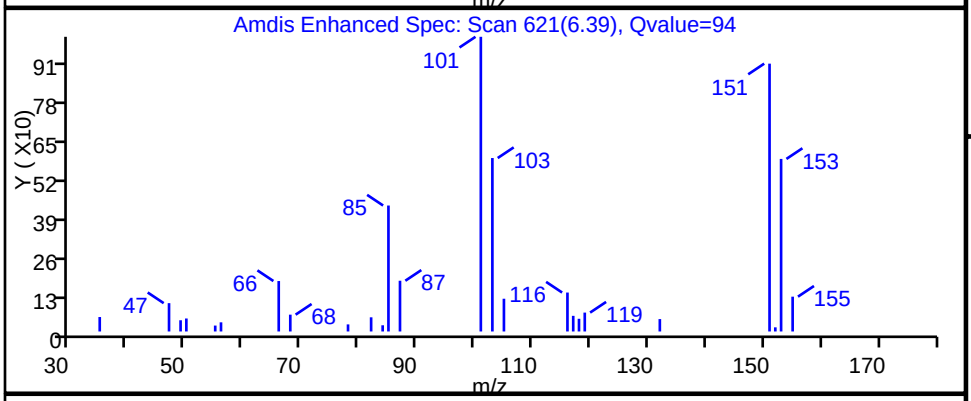
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

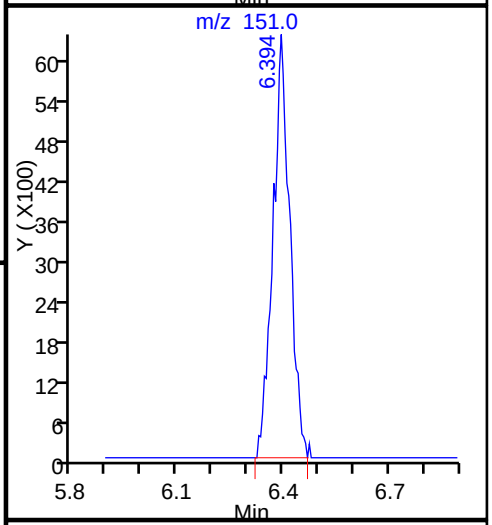
Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8		
Client ID:	SDS-8				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

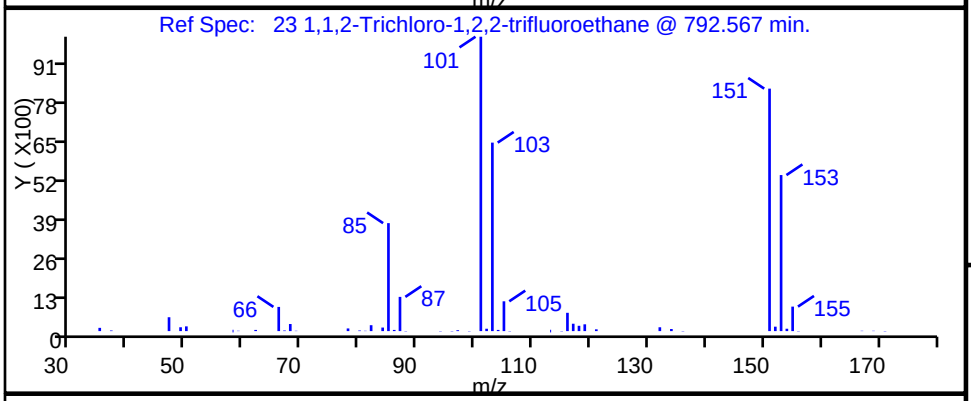
23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

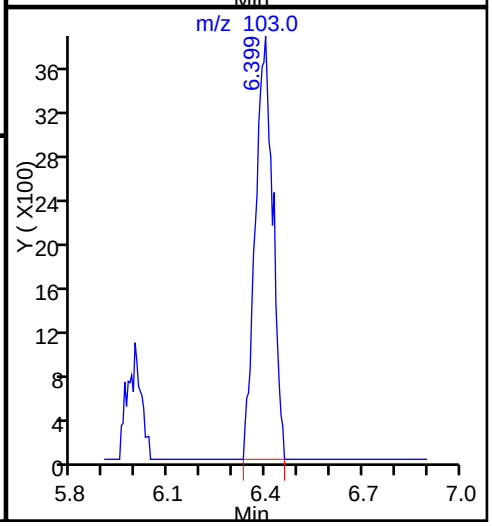


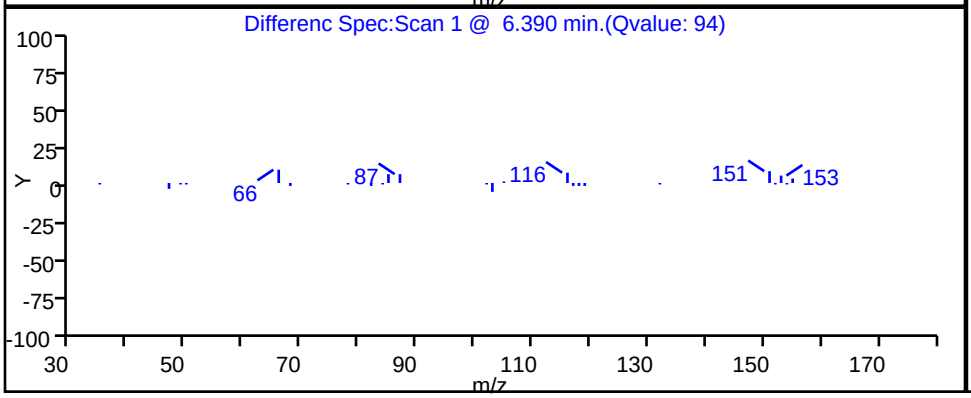












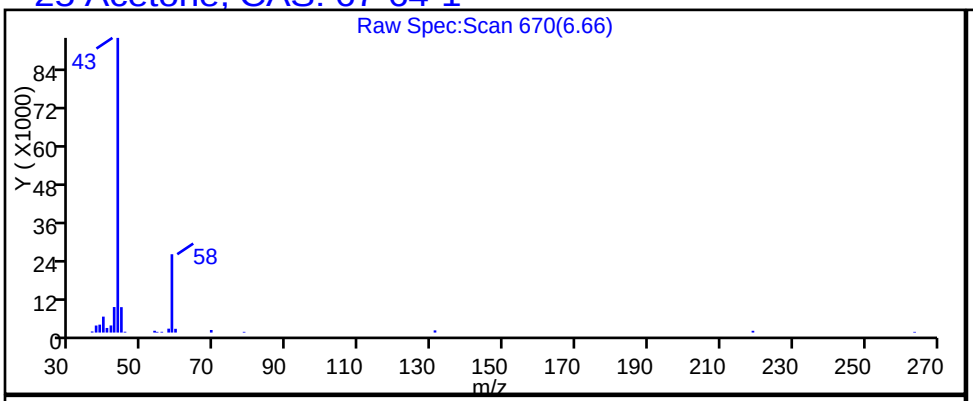
Report Date: 16-Oct-2014 11:44:10 Chrom Revision: 2.2 07-Oct-2014 12:16:06

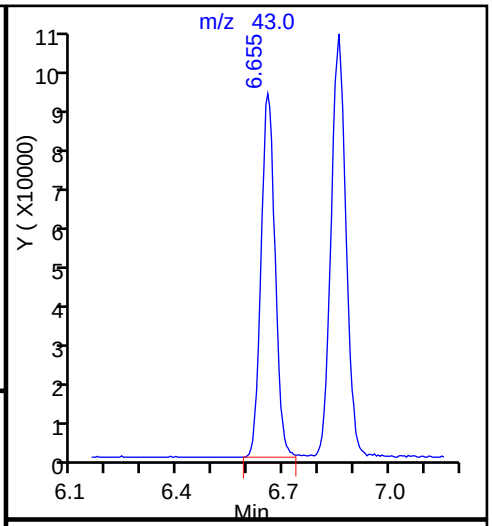
TestAmerica Burlington

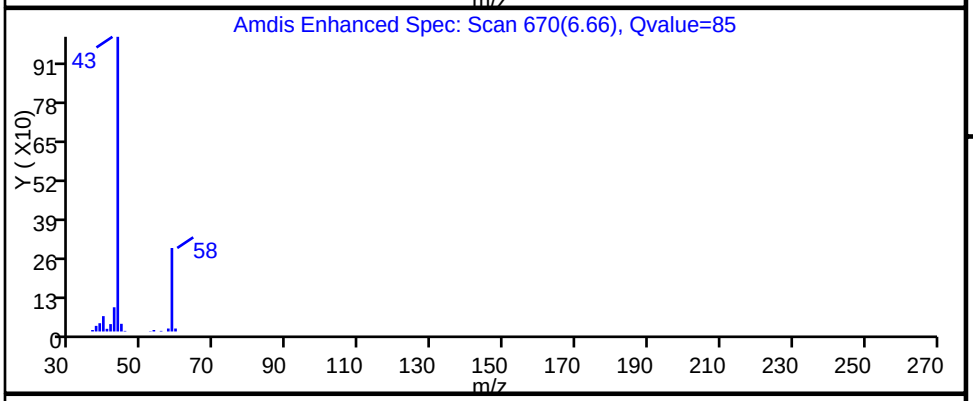
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

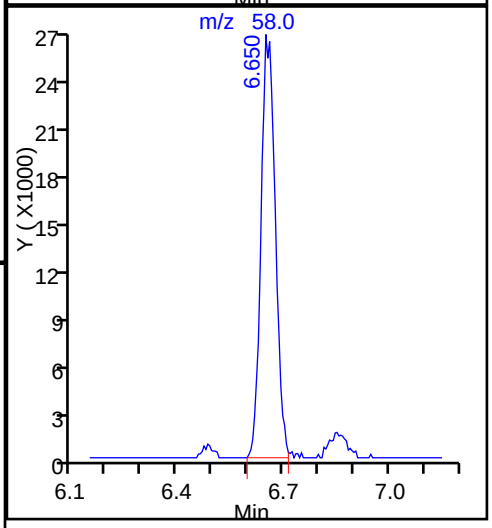
Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8
Client ID:	SDS-8		
Operator ID:	pad	ALS Bottle#:	12 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

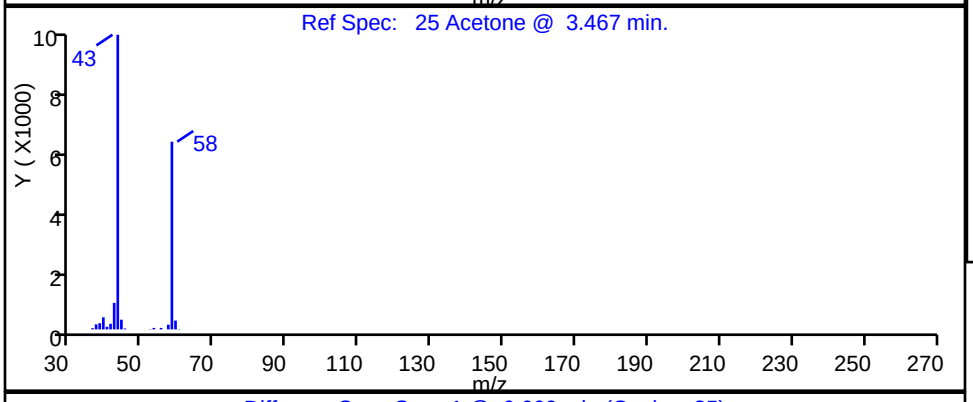
25 Acetone, CAS: 67-64-1

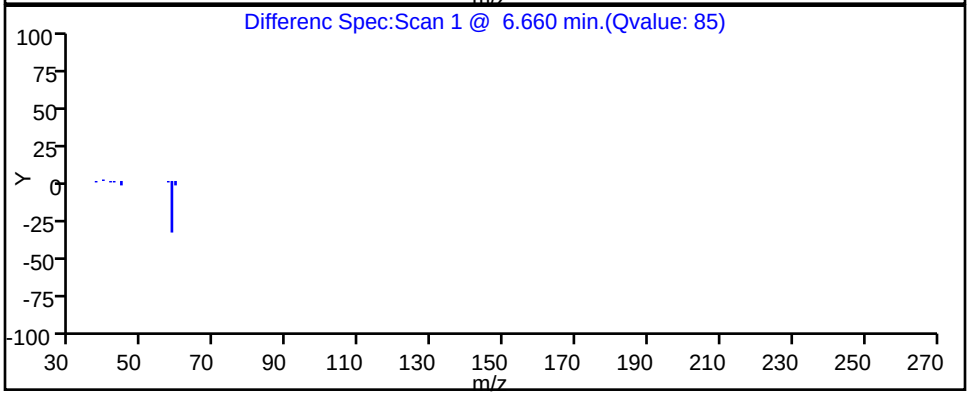












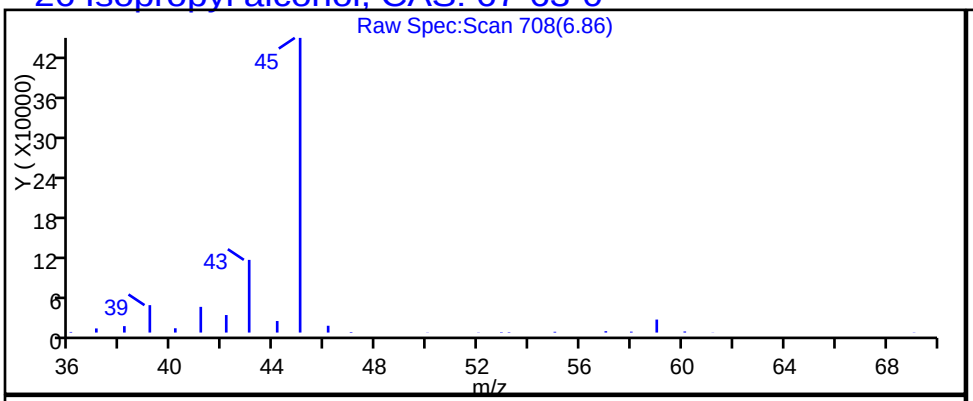
Report Date: 16-Oct-2014 11:44:10 Chrom Revision: 2.2 07-Oct-2014 12:16:06

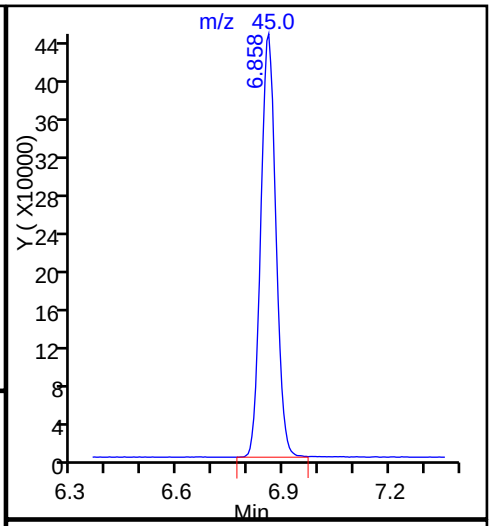
TestAmerica Burlington

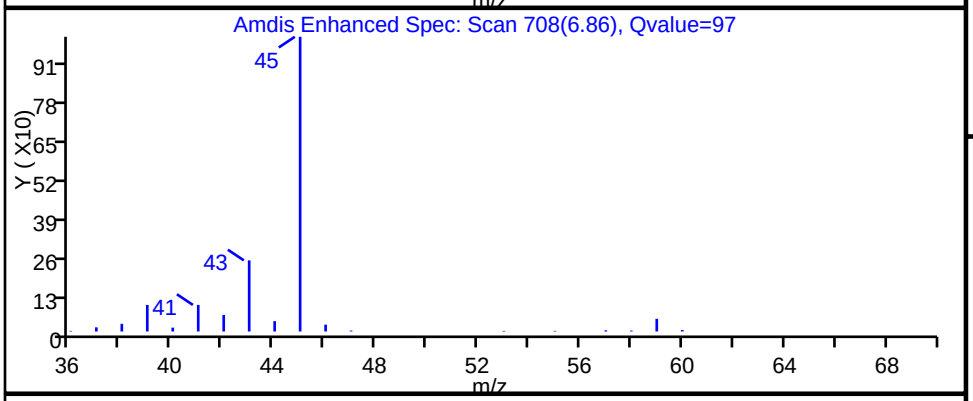
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

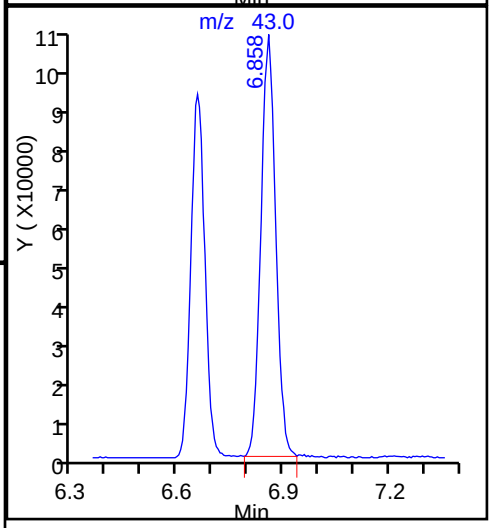
Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8		
Client ID:	SDS-8				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

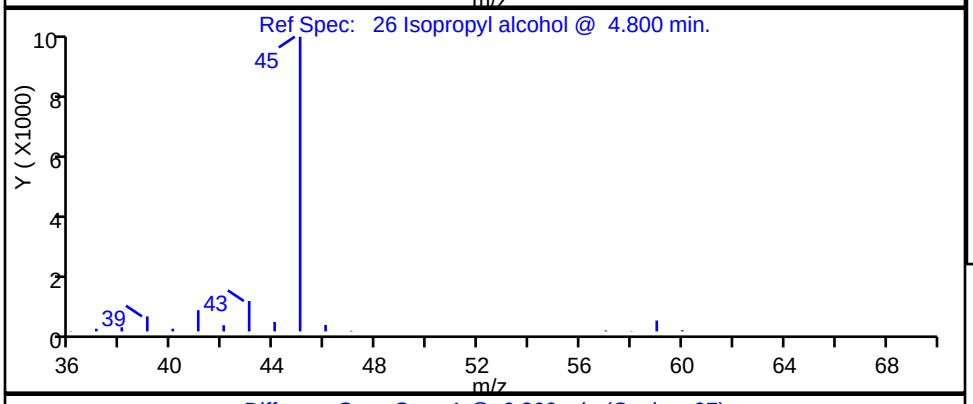
26 Isopropyl alcohol, CAS: 67-63-0

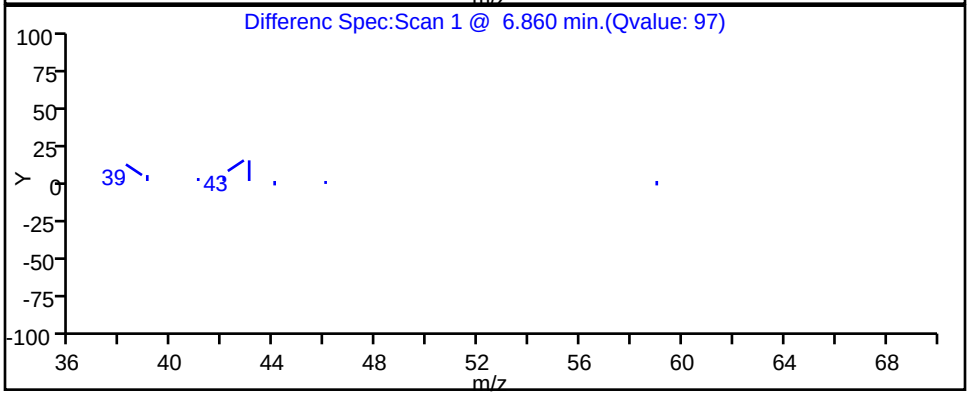












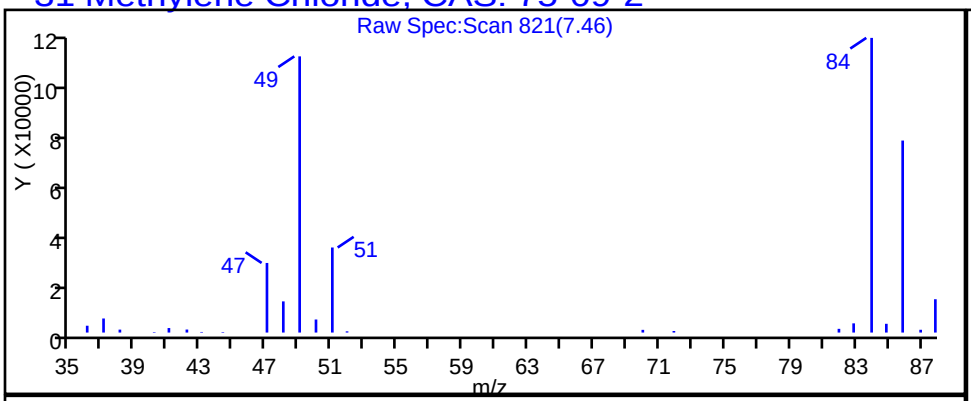
Report Date: 16-Oct-2014 11:44:10 Chrom Revision: 2.2 07-Oct-2014 12:16:06

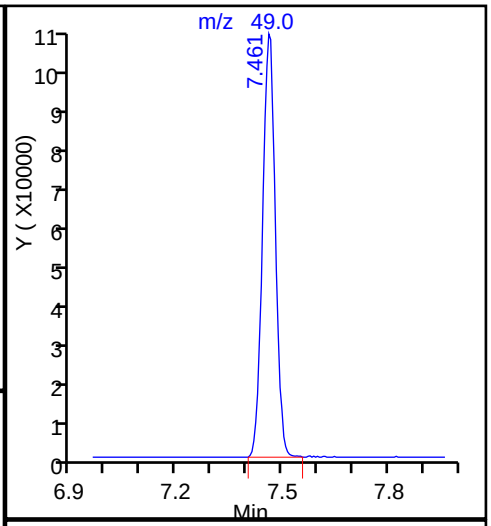
TestAmerica Burlington

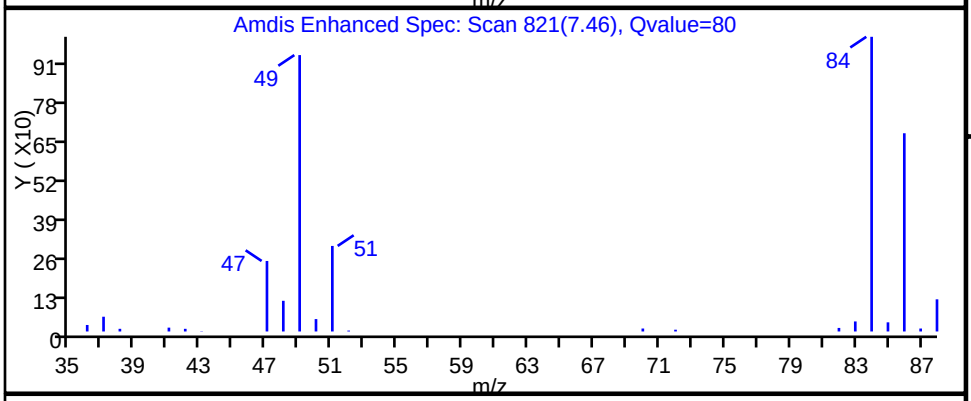
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

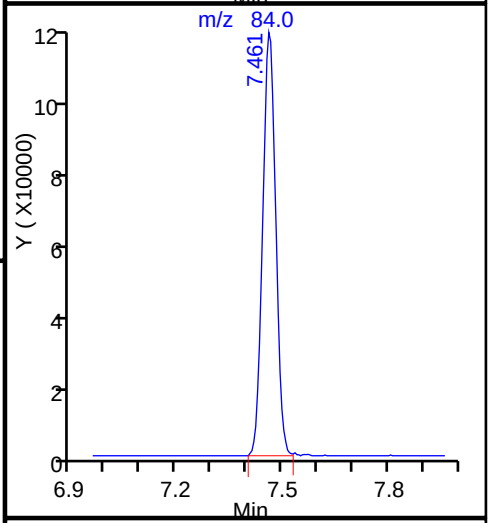
Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8		
Client ID:	SDS-8				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

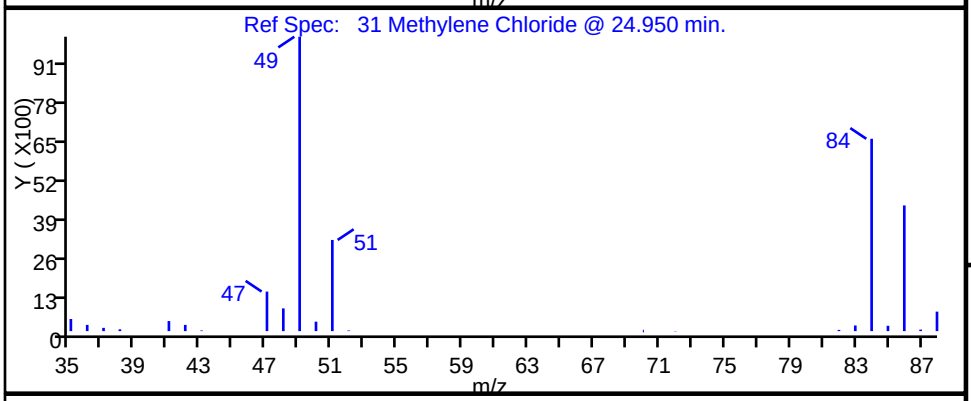
31 Methylene Chloride, CAS: 75-09-2

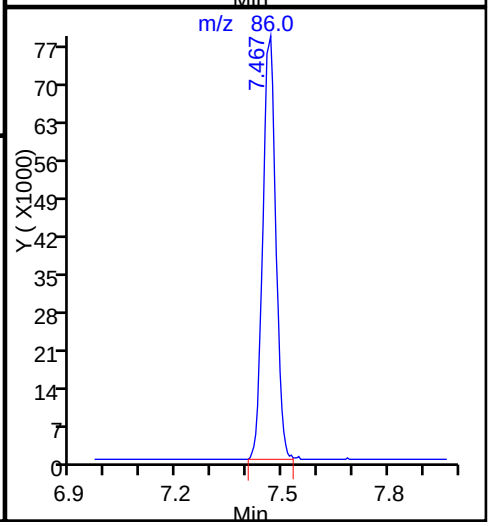


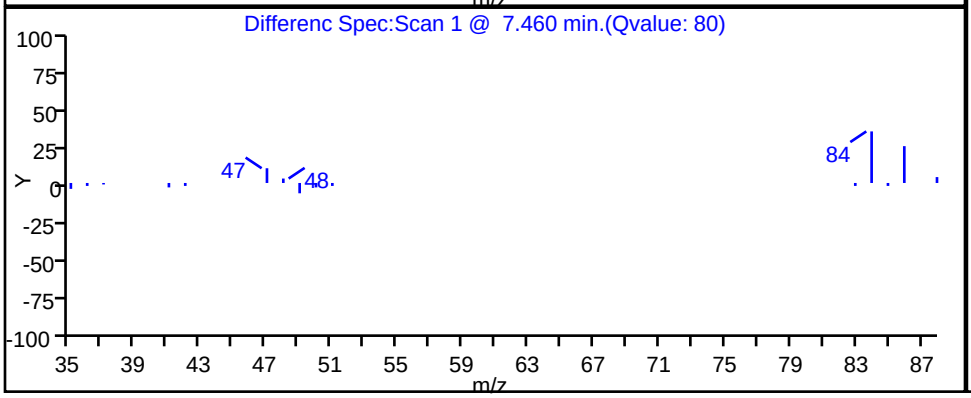












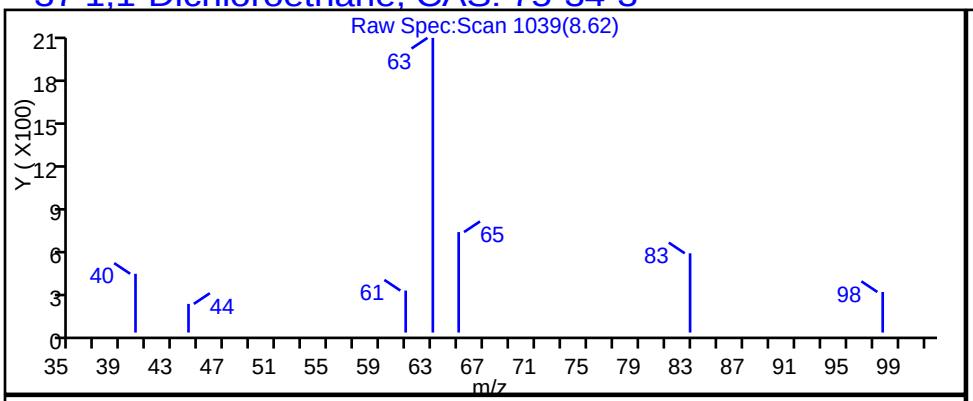
Report Date: 16-Oct-2014 11:44:10 Chrom Revision: 2.2 07-Oct-2014 12:16:06

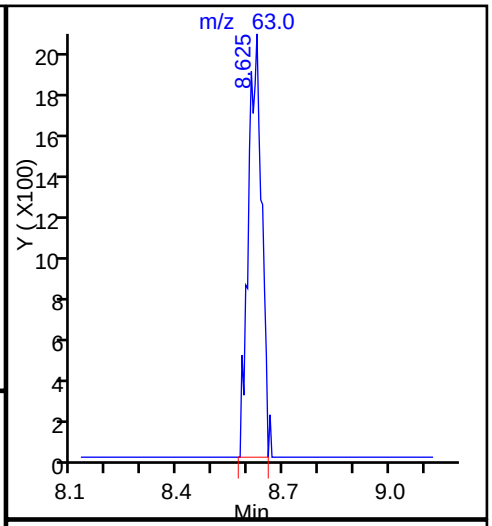
TestAmerica Burlington

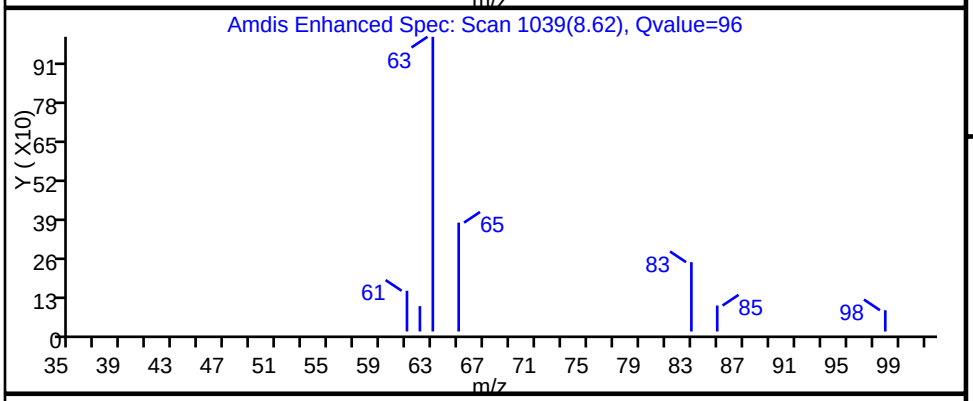
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

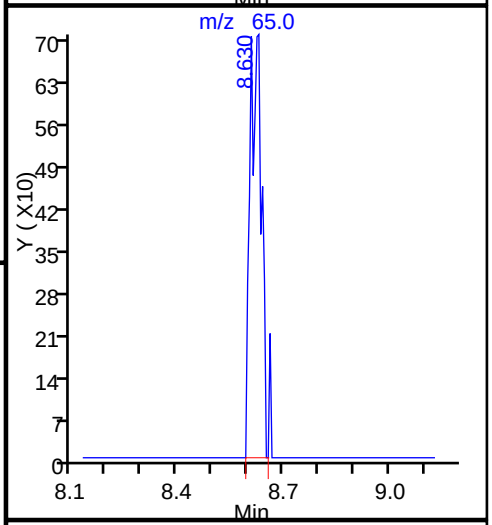
Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8		
Client ID:	SDS-8				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

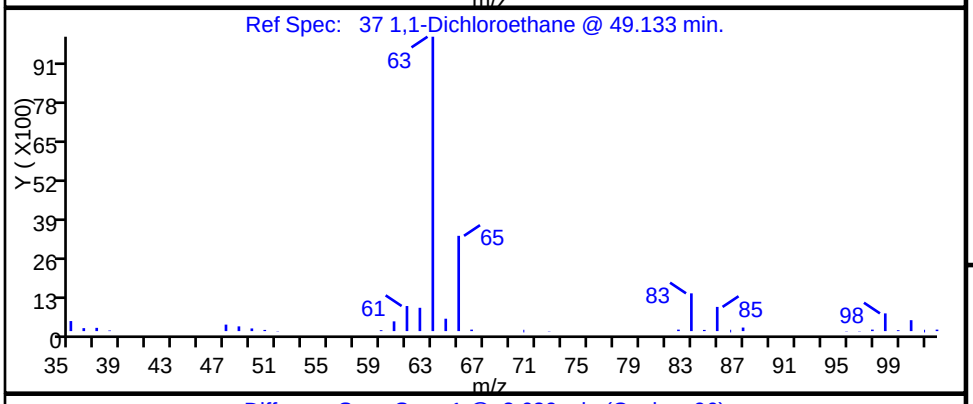
37 1,1-Dichloroethane, CAS: 75-34-3

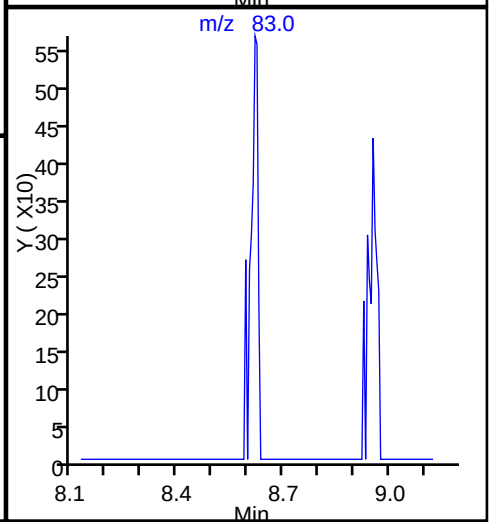


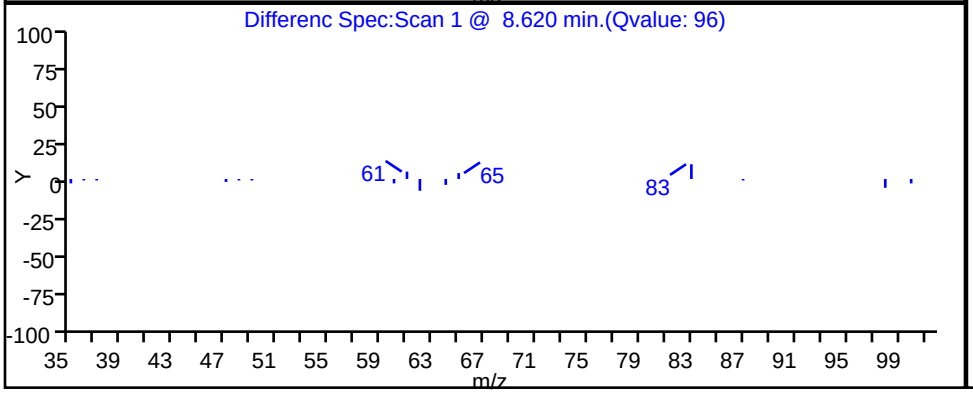












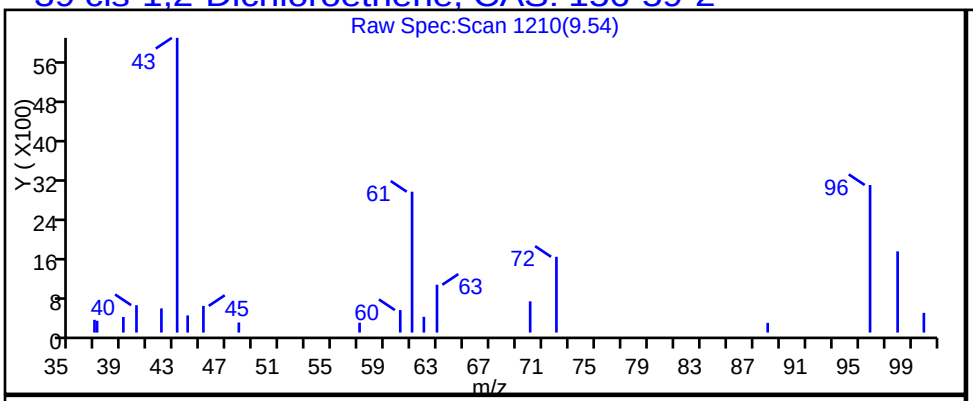
Report Date: 16-Oct-2014 11:44:10 Chrom Revision: 2.2 07-Oct-2014 12:16:06

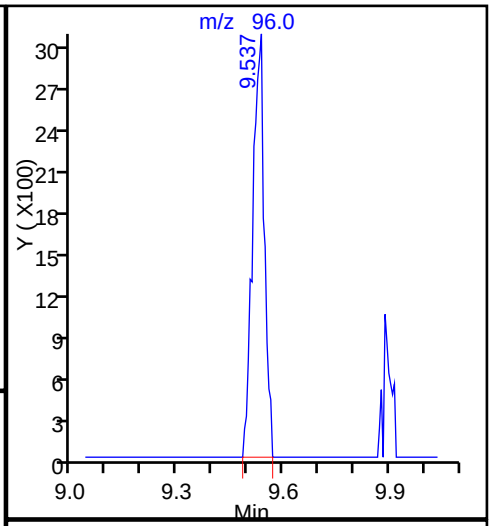
TestAmerica Burlington

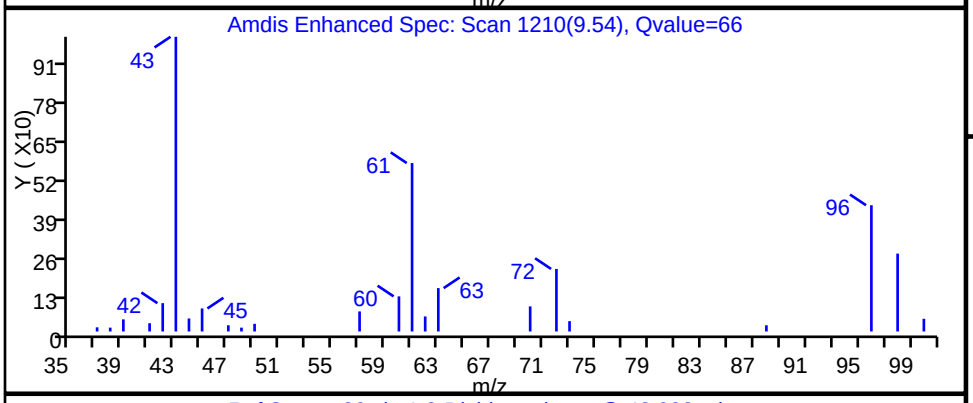
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

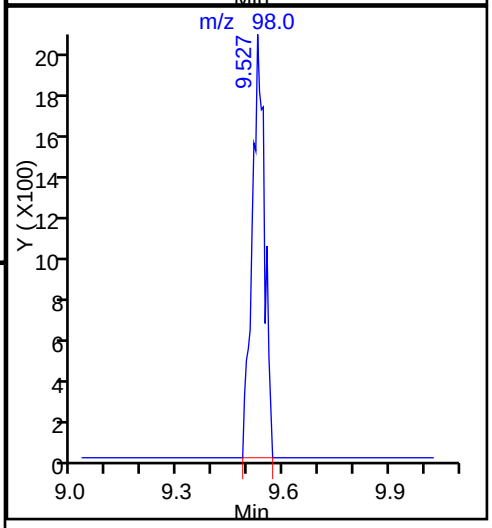
Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8		
Client ID:	SDS-8				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

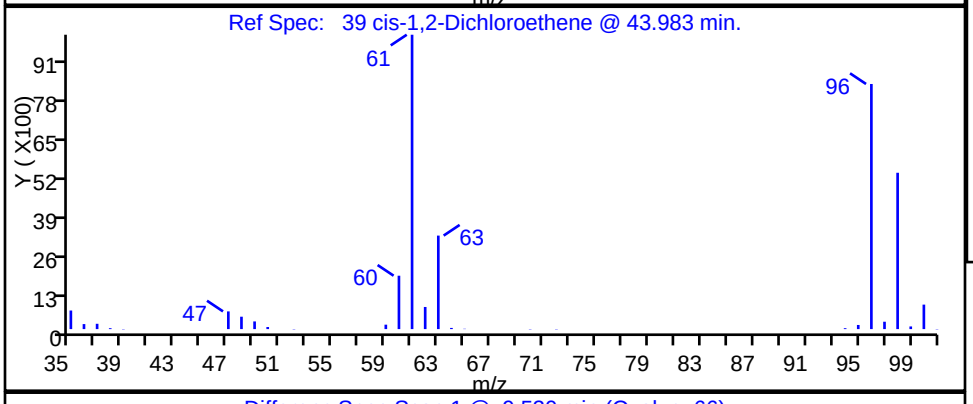
39 cis-1,2-Dichloroethene, CAS: 156-59-2

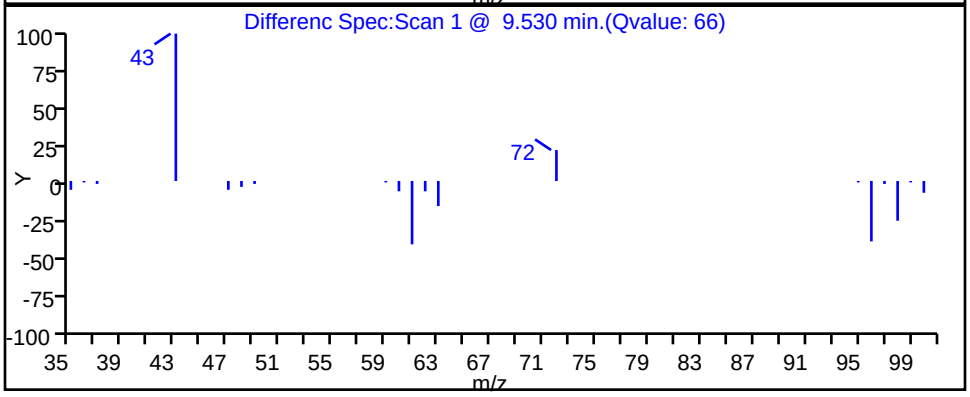












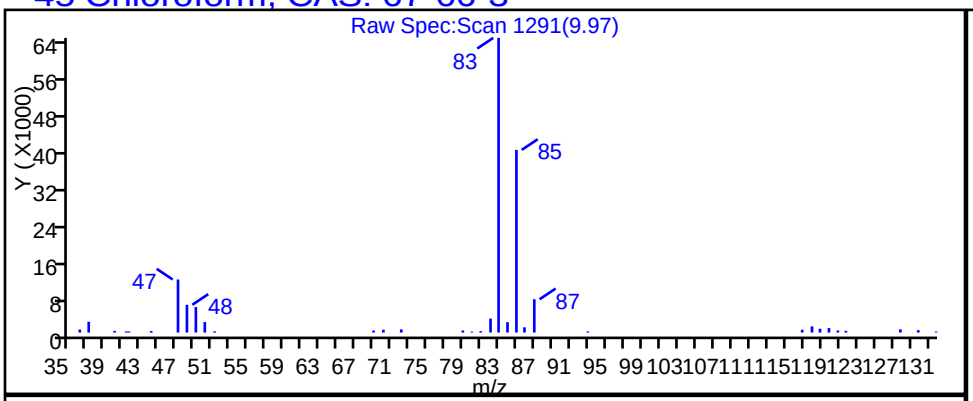
Report Date: 16-Oct-2014 11:44:10 Chrom Revision: 2.2 07-Oct-2014 12:16:06

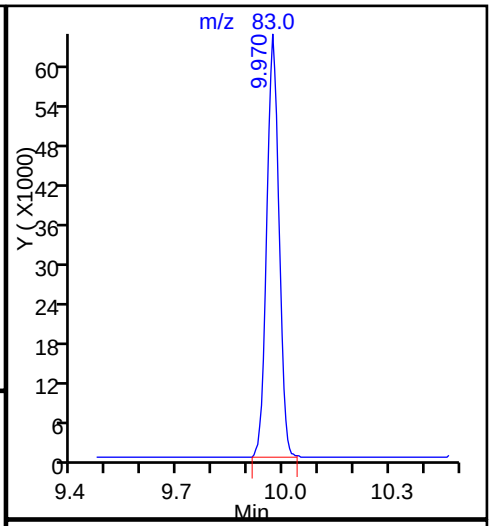
TestAmerica Burlington

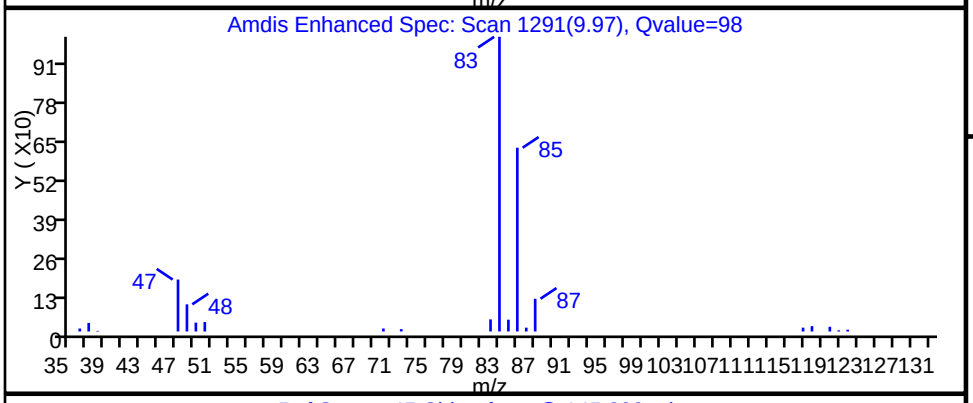
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

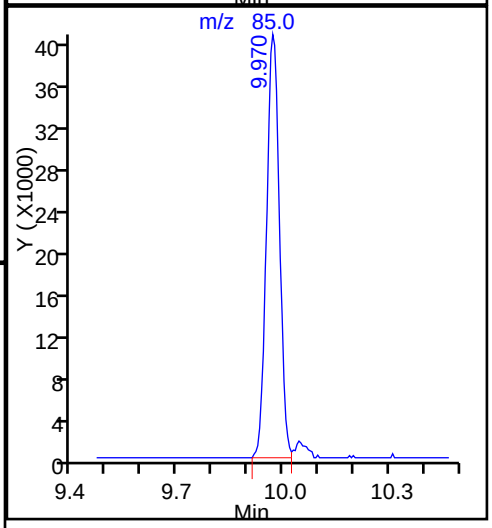
Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8		
Client ID:	SDS-8				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

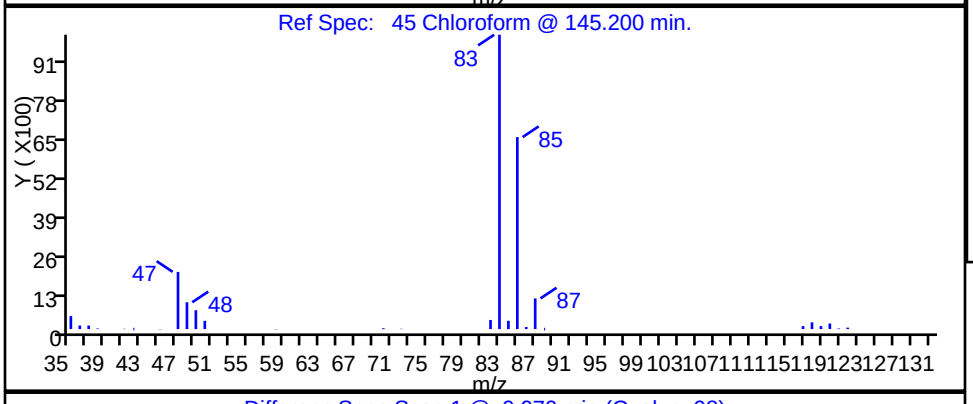
45 Chloroform, CAS: 67-66-3

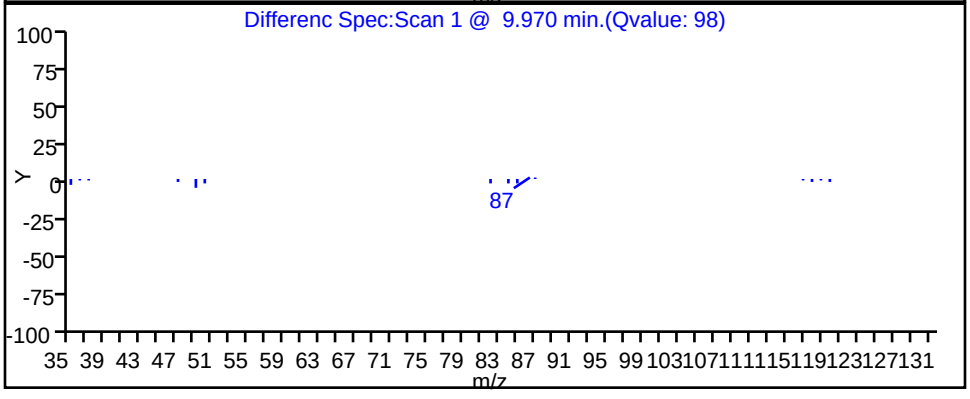












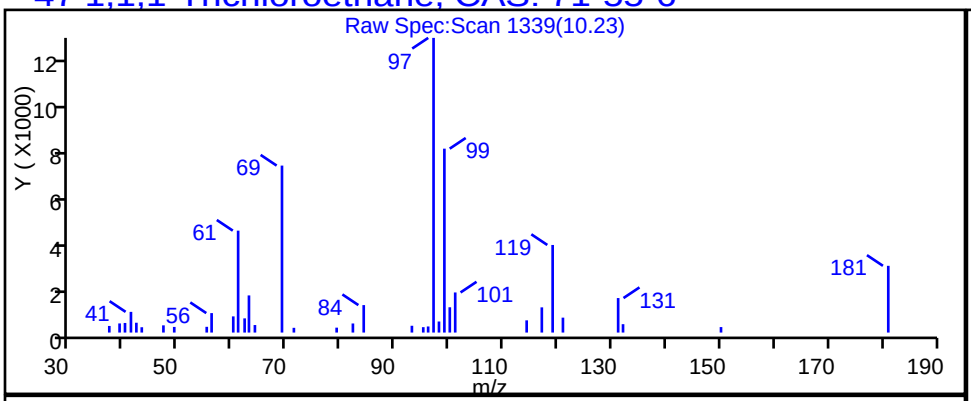
Report Date: 16-Oct-2014 11:44:10 Chrom Revision: 2.2 07-Oct-2014 12:16:06

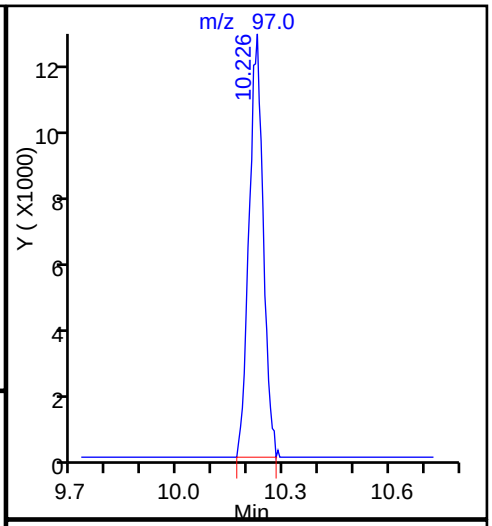
TestAmerica Burlington

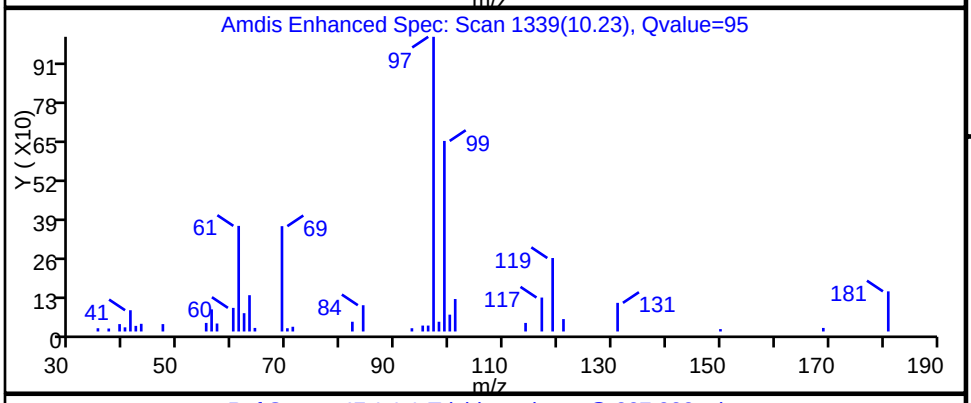
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

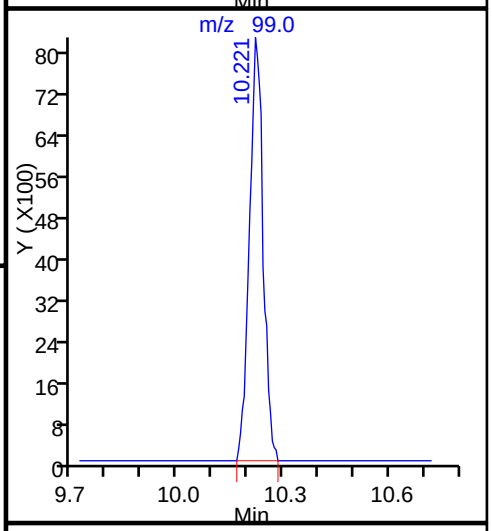
Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8		
Client ID:	SDS-8				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

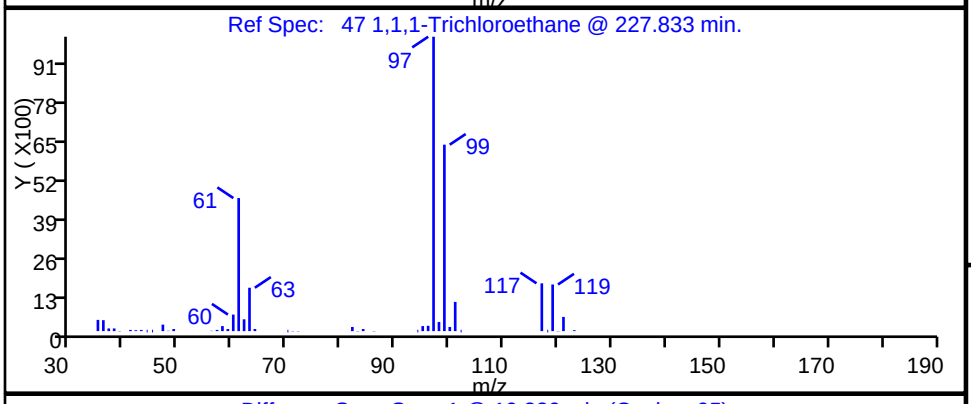
47 1,1,1-Trichloroethane, CAS: 71-55-6

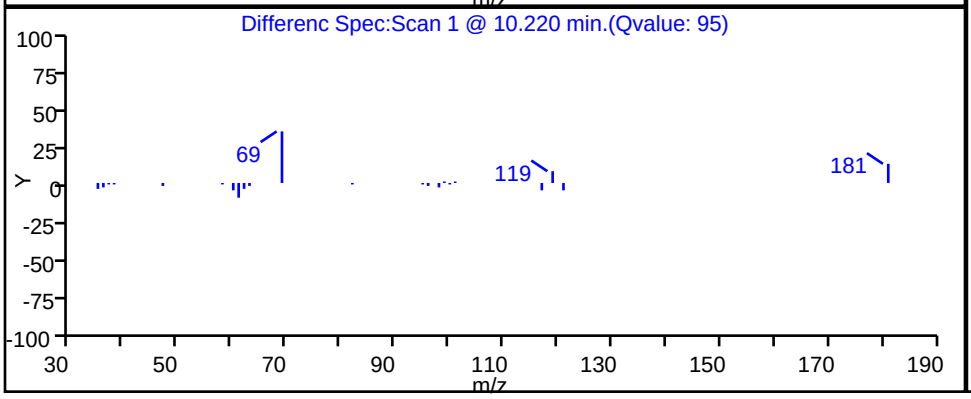


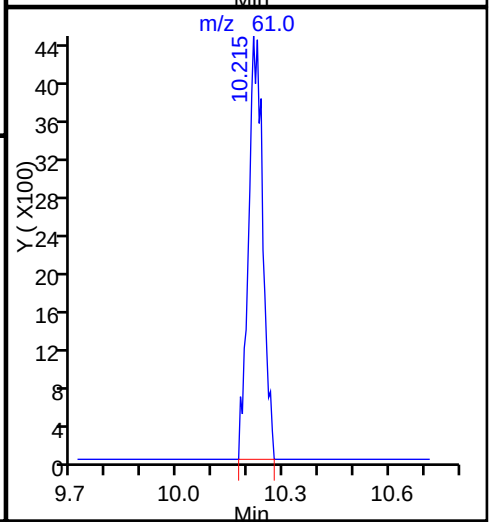












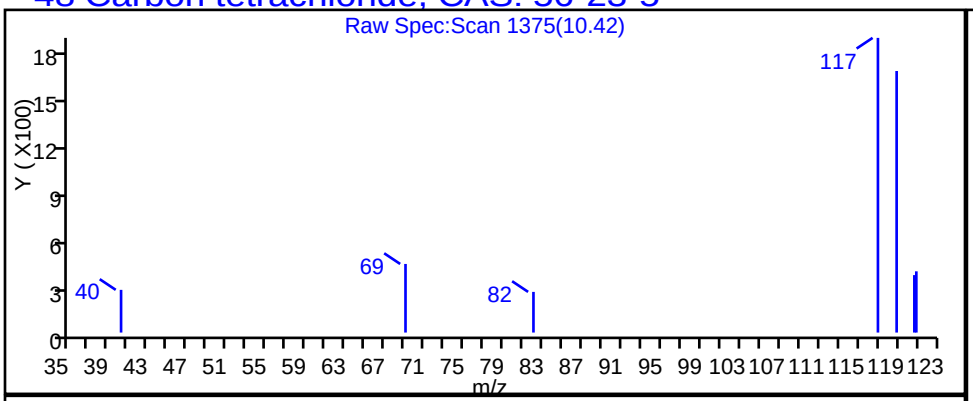
Report Date: 16-Oct-2014 11:44:10 Chrom Revision: 2.2 07-Oct-2014 12:16:06

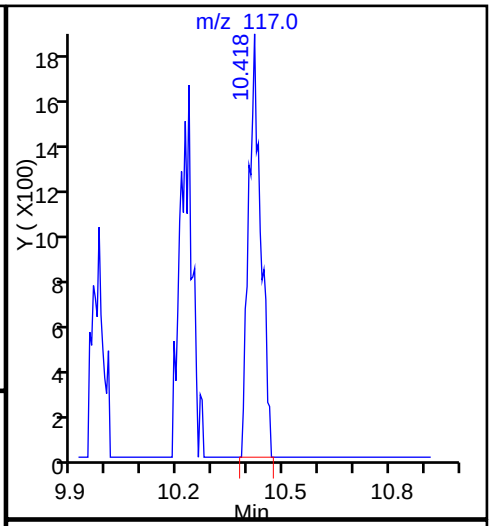
TestAmerica Burlington

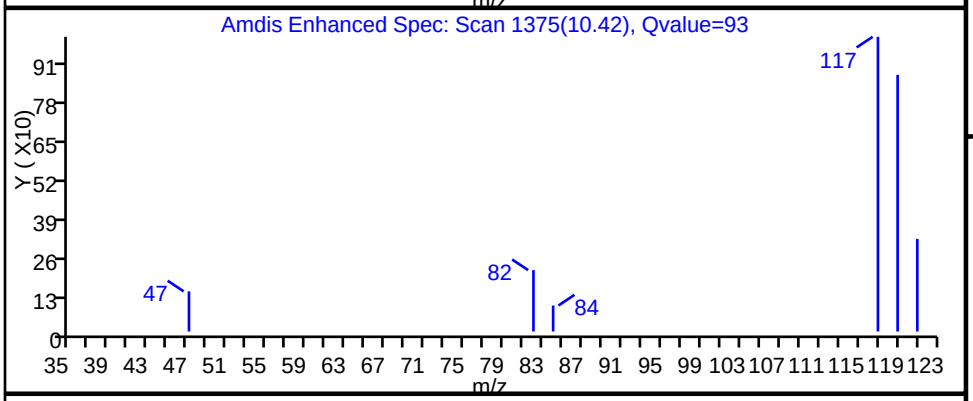
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

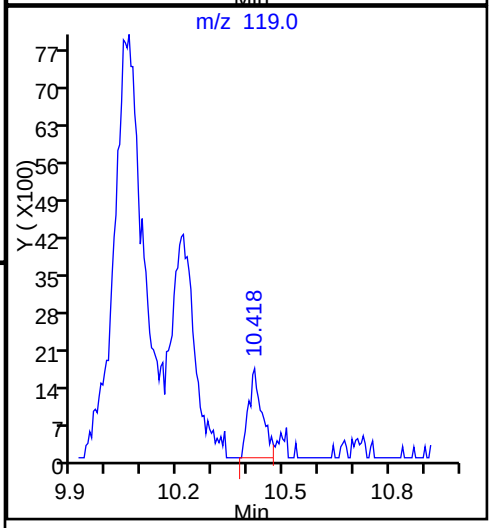
Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8		
Client ID:	SDS-8				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

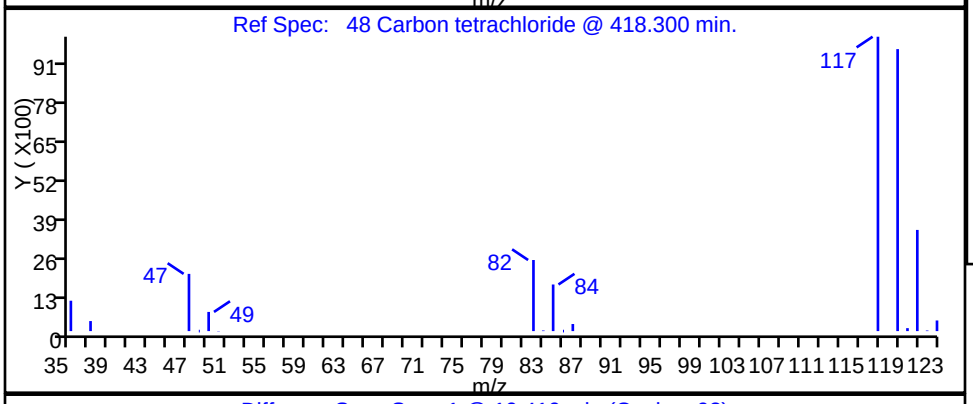
48 Carbon tetrachloride, CAS: 56-23-5

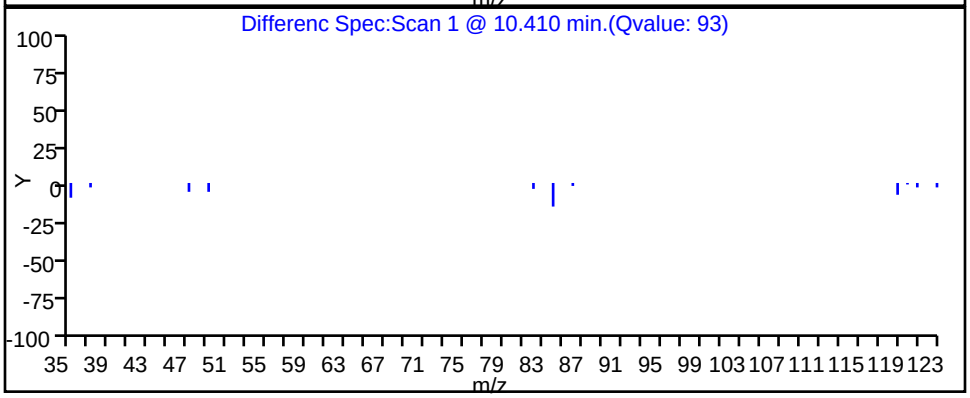












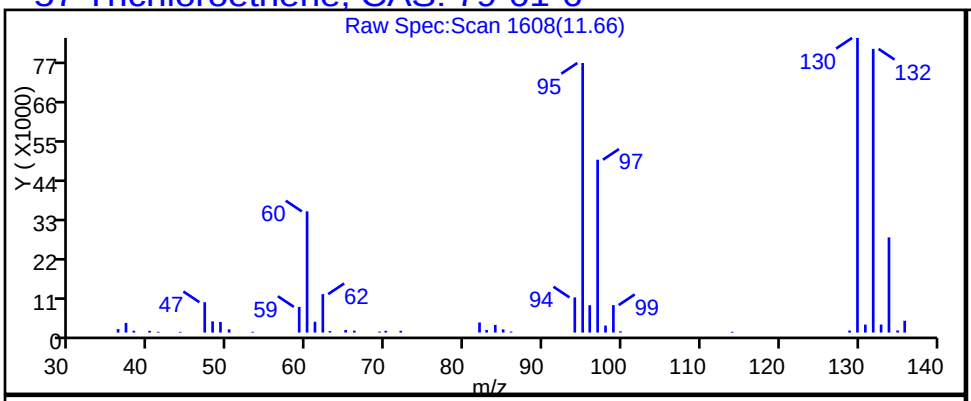
Report Date: 16-Oct-2014 11:44:10 Chrom Revision: 2.2 07-Oct-2014 12:16:06

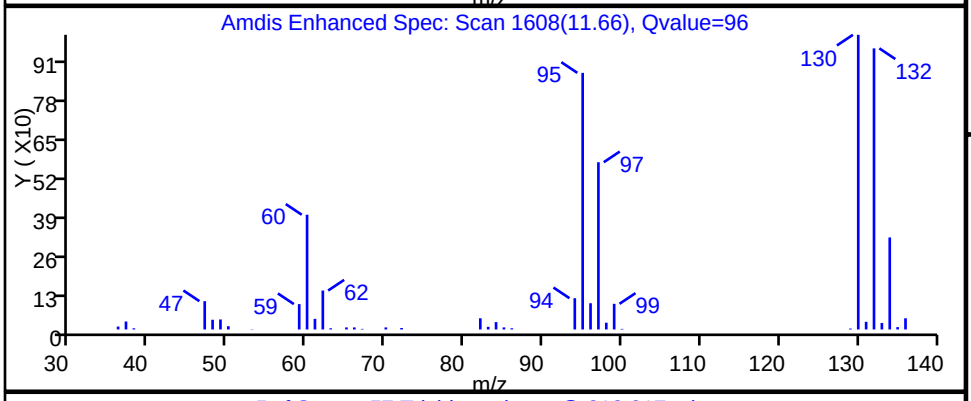
TestAmerica Burlington

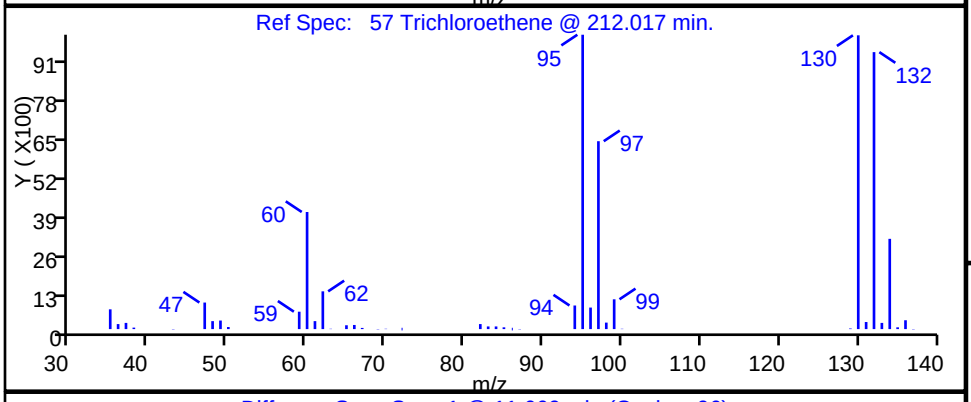
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

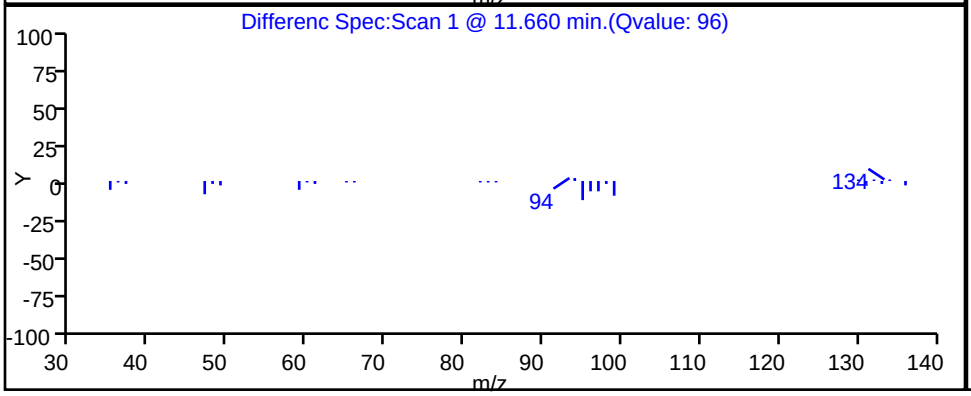
Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8		
Client ID:	SDS-8				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

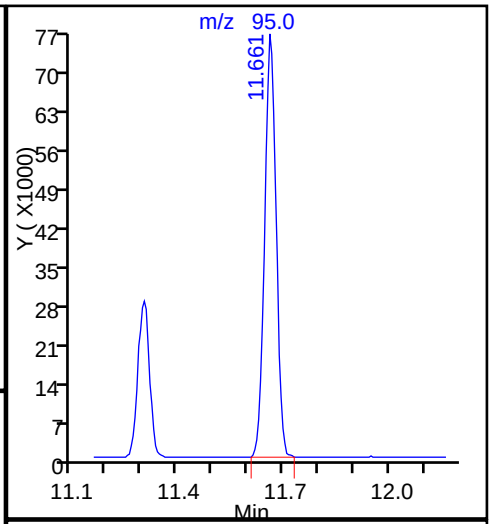
57 Trichloroethene, CAS: 79-01-6

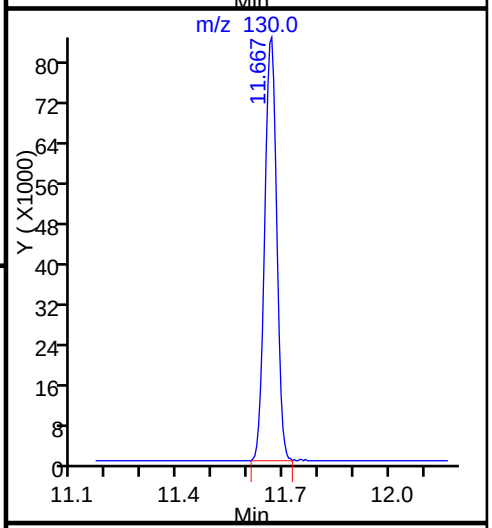


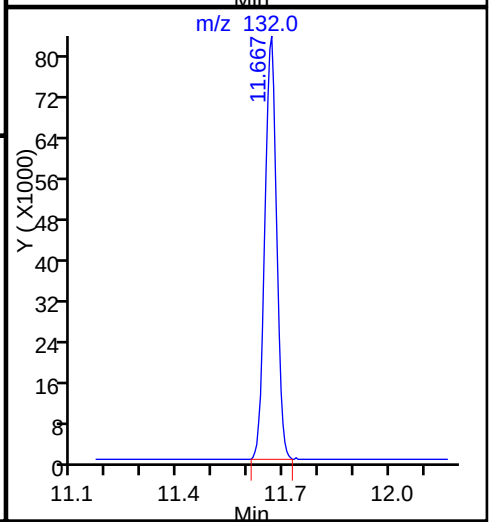












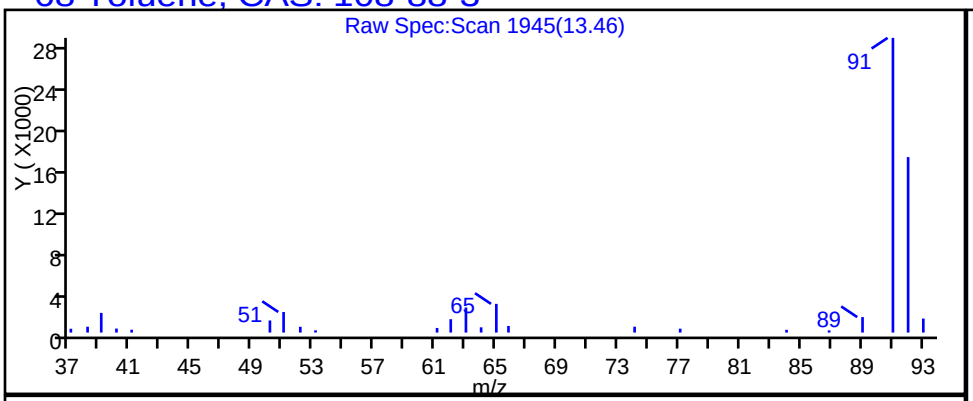
Report Date: 16-Oct-2014 11:44:10 Chrom Revision: 2.2 07-Oct-2014 12:16:06

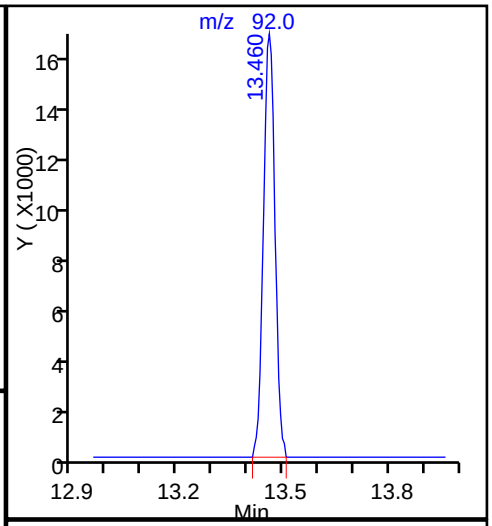
TestAmerica Burlington

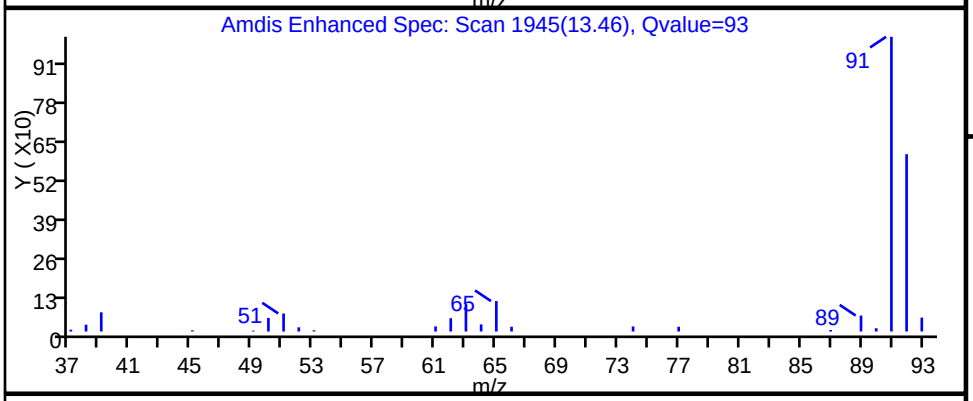
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

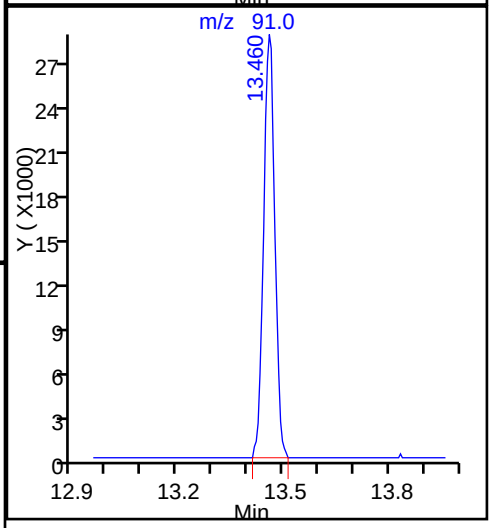
Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8		
Client ID:	SDS-8				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

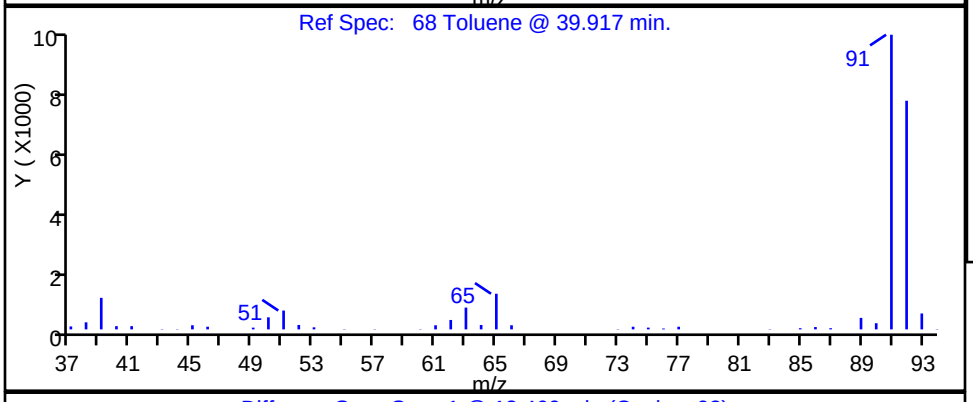
68 Toluene, CAS: 108-88-3

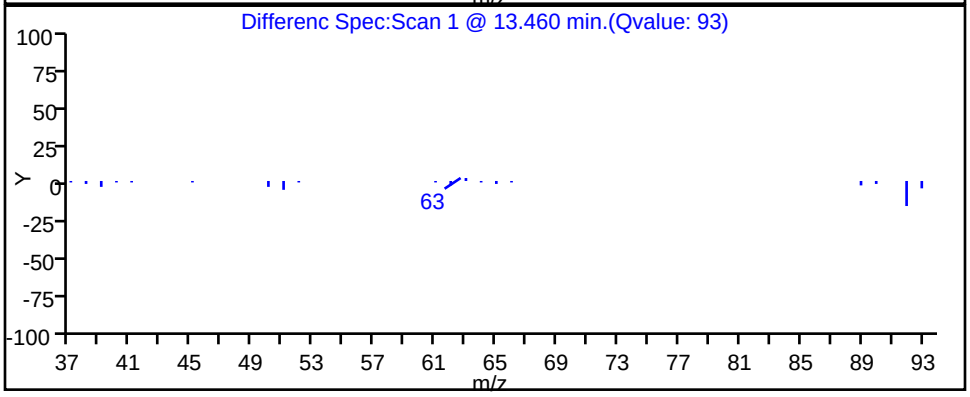












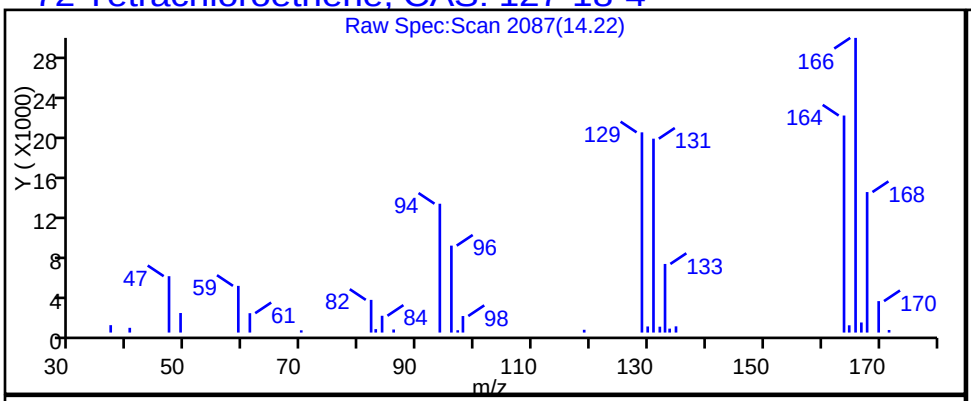
Report Date: 16-Oct-2014 11:44:10 Chrom Revision: 2.2 07-Oct-2014 12:16:06

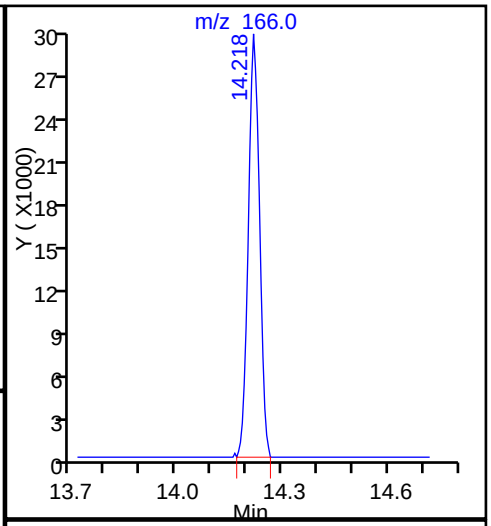
TestAmerica Burlington

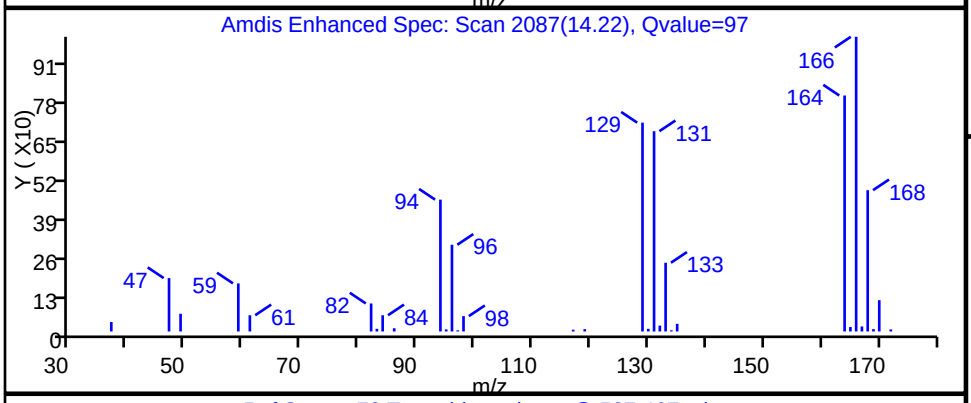
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

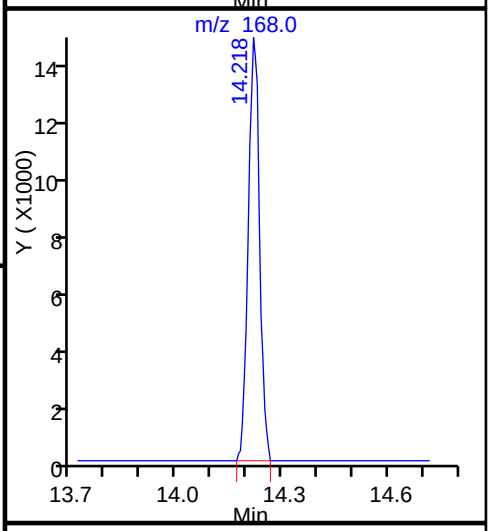
Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8		
Client ID:	SDS-8				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

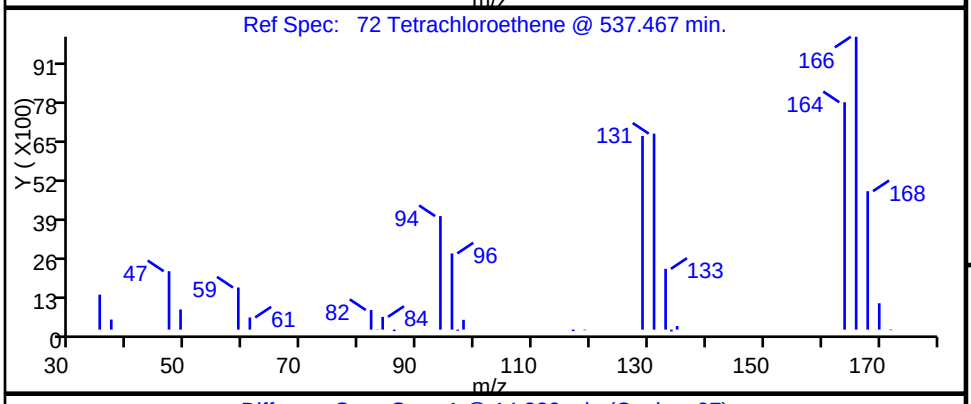
72 Tetrachloroethene, CAS: 127-18-4

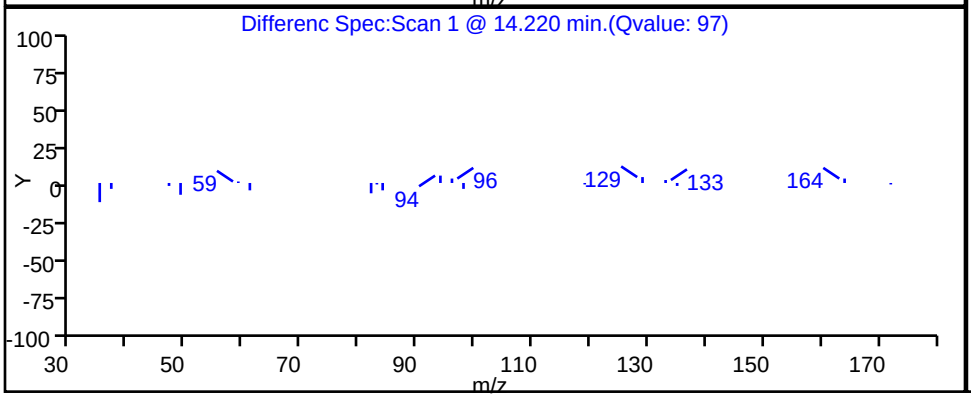


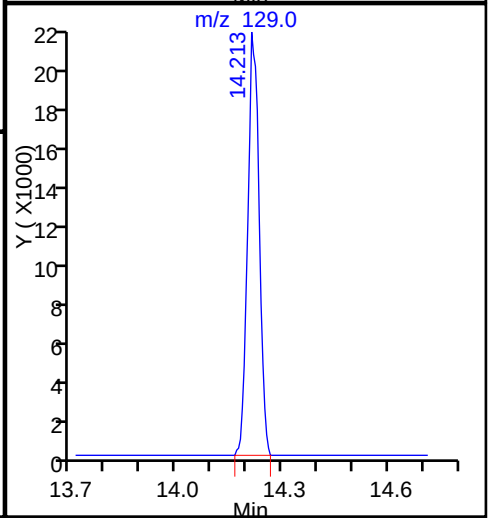












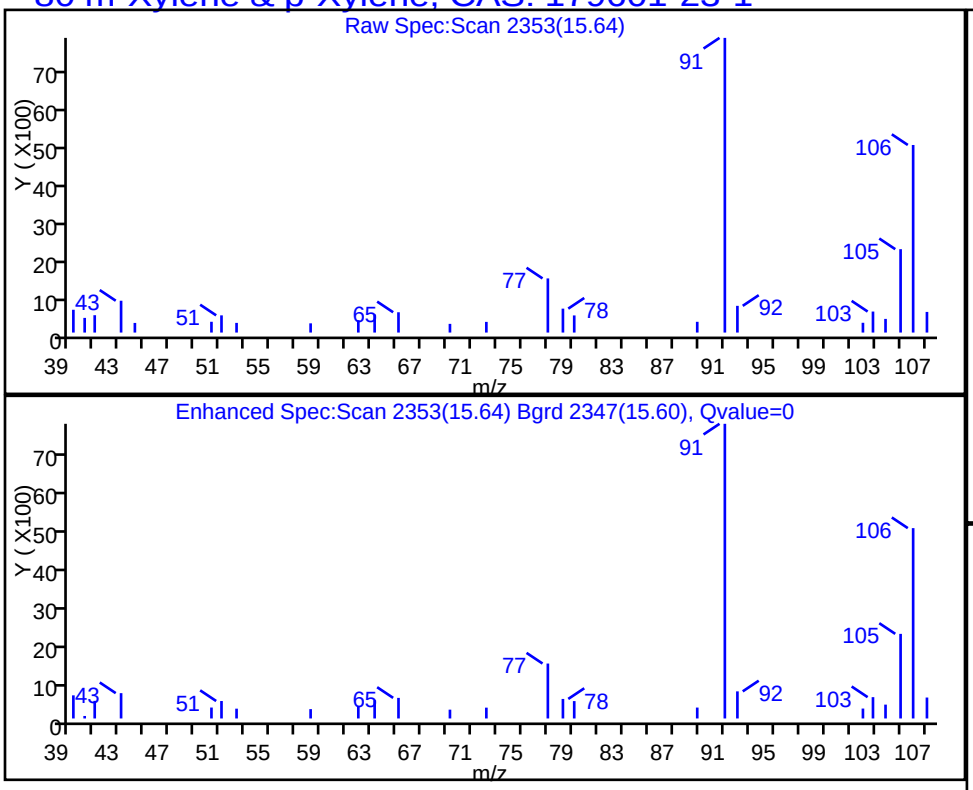
Report Date: 16-Oct-2014 11:44:10 Chrom Revision: 2.2 07-Oct-2014 12:16:06

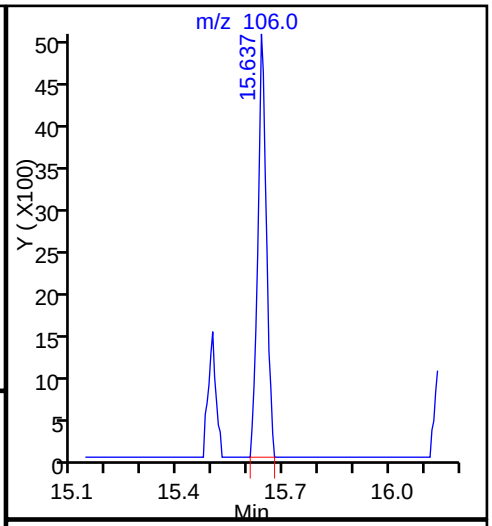
TestAmerica Burlington

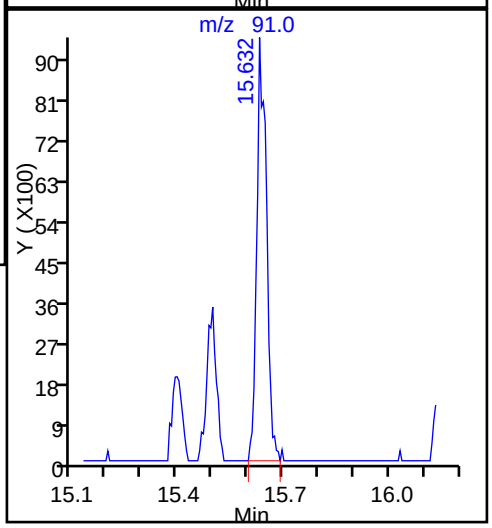
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_21.D

Injection Date:	16-Oct-2014 07:45:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-8	Lab Sample ID:	200-24716-8		
Client ID:	SDS-8				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1







FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: VP GAC MID Lab Sample ID: 200-24716-9

Matrix: Air Lab File ID: 10013_14.D

Analysis Method: TO-15 Date Collected: 10/10/2014 09:31

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 22:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	1.4		0.50	0.056
75-45-6	Freon 22	86.47	0.52		0.50	0.080
76-14-2	Freon-114	170.92	0.20	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.060
106-97-8	n-Butane	58.12	2.4		0.50	0.18
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.026
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.061
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.020
75-69-4	Freon 11	137.37	0.51		0.20	0.045
76-13-1	Freon 113	187.38	0.26		0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.010
67-64-1	Acetone	58.08	5.0	U	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	29		5.0	0.15
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.030
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	8.5		0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.33		0.20	0.027
110-54-3	Hexane	86.17	0.20	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.11	J	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.54		0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.87		0.20	0.053
67-66-3	Chloroform	119.38	2.0		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.62	J	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.33		0.20	0.030
110-82-7	Cyclohexane	84.16	0.46		0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.15		0.040	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.023
71-43-2	Benzene	78.11	0.59		0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.052
142-82-5	Heptane	100.21	0.20	U	0.20	0.037

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: VP GAC MID Lab Sample ID: 200-24716-9

Matrix: Air Lab File ID: 10013_14.D

Analysis Method: TO-15 Date Collected: 10/10/2014 09:31

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 22:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.078		0.040	0.030
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.18
108-88-3	Toluene	92.14	0.068	J	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.034	J	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.10	J	0.50	0.025
95-47-6	Xylene, o-	106.17	0.038	J	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.14	J	0.20	0.041
100-42-5	Styrene	104.15	0.20	U	0.20	0.016
75-25-2	Bromoform	252.75	0.20	U	0.20	0.025
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.035	J	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.019
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.028

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: VP GAC MID Lab Sample ID: 200-24716-9

Matrix: Air Lab File ID: 10013_14.D

Analysis Method: TO-15 Date Collected: 10/10/2014 09:31

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 22:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.034
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.030

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: VP GAC MID Lab Sample ID: 200-24716-9

Matrix: Air Lab File ID: 10013_14.D

Analysis Method: TO-15 Date Collected: 10/10/2014 09:31

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 22:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	6.9		2.5	0.28
75-45-6	Freon 22	86.47	1.8		1.8	0.28
76-14-2	Freon-114	170.92	1.4	U	1.4	0.36
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.12
106-97-8	n-Butane	58.12	5.7		1.2	0.43
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.066
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.17
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.16
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.087
75-69-4	Freon 11	137.37	2.9		1.1	0.25
76-13-1	Freon 113	187.38	2.0		1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.040
67-64-1	Acetone	58.08	12	U	12	1.6
67-63-0	Isopropyl alcohol	60.10	71		12	0.37
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.093
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	29		1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	1.3		0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.44	J	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	2.2		0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	3.4		0.79	0.21
67-66-3	Chloroform	119.38	9.6		0.98	0.19
109-99-9	Tetrahydrofuran	72.11	1.8	J	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	1.8		1.1	0.16
110-82-7	Cyclohexane	84.16	1.6		0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.92		0.25	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.11
71-43-2	Benzene	78.11	1.9		0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.21
142-82-5	Heptane	100.21	0.82	U	0.82	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: VP GAC MID Lab Sample ID: 200-24716-9

Matrix: Air Lab File ID: 10013_14.D

Analysis Method: TO-15 Date Collected: 10/10/2014 09:31

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 22:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.42		0.21	0.16
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	18	U	18	0.58
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.74
108-88-3	Toluene	92.14	0.26	J	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.15	J	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.45	J	2.2	0.11
95-47-6	Xylene, o-	106.17	0.16	J	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.60	J	0.87	0.18
100-42-5	Styrene	104.15	0.85	U	0.85	0.068
75-25-2	Bromoform	252.75	2.1	U	2.1	0.26
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.17	J	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.11
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: VP GAC MID Lab Sample ID: 200-24716-9

Matrix: Air Lab File ID: 10013_14.D

Analysis Method: TO-15 Date Collected: 10/10/2014 09:31

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 22:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.25
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.38
91-20-3	Naphthalene	128.17	2.6	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D
Lims ID: 200-24716-A-9 Lab Sample ID: 200-24716-9
Client ID: VP GAC MID
Sample Type: Client
Inject. Date: 15-Oct-2014 22:22:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010013-014
Misc. Info.: 24716-09
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 16-Oct-2014 11:43:38 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 16-Oct-2014 11:28:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.229	3.224	0.005	99	165133	1.40	
6 Chlorodifluoromethane	51	3.272	3.266	0.006	94	24618	0.5164	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.453				ND	
8 Chloromethane	50		3.592				ND	
9 Butane	43	3.779	3.773	0.006	94	72353	2.40	
10 Vinyl chloride	62		3.816				ND	
11 Butadiene	54		3.880				ND	
12 Bromomethane	94		4.595				ND	
14 Chloroethane	64		4.841				ND	
16 Vinyl bromide	106		5.257				ND	
17 Trichlorofluoromethane	101	5.353	5.353	0.000	97	69824	0.5128	
23 1,1,2-Trichloro-1,2,2-trif	101	6.399	6.399	0.000	93	21486	0.2630	
24 1,1-Dichloroethene	96		6.479				ND	
25 Acetone	43		6.655				ND	
26 Isopropyl alcohol	45	6.864	6.858	0.006	96	969784	29.0	
27 Carbon disulfide	76		6.912				ND	
29 3-Chloro-1-propene	41		7.200				ND	
31 Methylene Chloride	49	7.467	7.467	0.000	79	240950	8.48	
32 2-Methyl-2-propanol	59		7.568				ND	
33 Methyl tert-butyl ether	73		7.798				ND	
34 trans-1,2-Dichloroethene	61	7.862	7.867	-0.005	88	14739	0.3293	
36 Hexane	57		8.182				ND	
37 1,1-Dichloroethane	63	8.625	8.625	0.000	95	6163	0.1097	
* 44 Chlorobromomethane	128	9.906	9.906	0.000	66	405858	10.0	
39 cis-1,2-Dichloroethene	96	9.527	9.532	-0.005	92	21806	0.5431	
40 2-Butanone (MEK)	72		9.532				ND	
43 Tetrahydrofuran	42	9.906	9.906	0.000	32	13788	0.6239	
45 Chloroform	83	9.975	9.975	0.000	99	176872	1.96	
S 42 1,2-Dichloroethene, Total	61				0		0.8724	
47 1,1,1-Trichloroethane	97	10.231	10.226	0.005	95	36402	0.3328	
46 Cyclohexane	84	10.226	10.226	0.000	70	22879	0.4647	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	10.418	10.423	-0.005	97	17605	0.1457	
49 Isooctane	57		10.695				ND	
50 Benzene	78	10.765	10.760	0.005	95	61428	0.5918	
51 1,2-Dichloroethane	62		10.877				ND	
52 n-Heptane	43		10.941				ND	
* 54 1,4-Difluorobenzene	114	11.304	11.304	0.000	92	1938184	10.0	
57 Trichloroethene	95	11.667	11.667	0.000	96	4397	0.0776	
58 1,2-Dichloropropane	63		12.056				ND	
59 Methyl methacrylate	69		12.078				ND	
60 1,4-Dioxane	88		12.174				ND	
62 Dichlorobromomethane	83		12.409				ND	
64 cis-1,3-Dichloropropene	75		13.038				ND	
65 4-Methyl-2-pentanone (MIBK	43		13.188				ND	
68 Toluene	92	13.455	13.460	-0.005	96	5953	0.0685	
70 trans-1,3-Dichloropropene	75		13.834				ND	
71 1,1,2-Trichloroethane	83		14.106				ND	
72 Tetrachloroethene	166		14.223				ND	
73 2-Hexanone	43		14.357				ND	
74 Chlorodibromomethane	129		14.650				ND	
75 Ethylene Dibromide	107		14.853				ND	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	84	1727065	10.0	
77 Chlorobenzene	112		15.435				ND	
79 Ethylbenzene	91	15.499	15.499	0.000	96	7176	0.0340	
80 m-Xylene & p-Xylene	106	15.643	15.643	0.000	0	9213	0.1044	
S 81 Xylenes, Total	106				0		0.1424	
82 o-Xylene	106	16.155	16.150	0.005	94	3277	0.0380	
83 Styrene	104		16.176				ND	
84 Bromoform	173		16.470				ND	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	91	1330517	NC	
87 1,1,2,2-Tetrachloroethane	83		16.972				ND	
88 N-Propylbenzene	91		17.030				ND	
91 4-Ethyltoluene	105		17.153				ND	
92 2-Chlorotoluene	91		17.201				ND	
93 1,3,5-Trimethylbenzene	105		17.223				ND	
95 tert-Butylbenzene	119		17.601				ND	
96 1,2,4-Trimethylbenzene	105	17.676	17.676	0.000	95	8190	0.0347	
97 sec-Butylbenzene	105		17.863				ND	
98 4-Isopropyltoluene	119		18.018				ND	
99 1,3-Dichlorobenzene	146		18.103				ND	
100 1,4-Dichlorobenzene	146		18.215				ND	
101 Benzyl chloride	91		18.381				ND	
103 n-Butylbenzene	91		18.535				ND	
104 1,2-Dichlorobenzene	146		18.717				ND	
107 1,2,4-Trichlorobenzene	180		21.140				ND	
108 Hexachlorobutadiene	225		21.300				ND	
109 Naphthalene	128		21.652				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15BISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

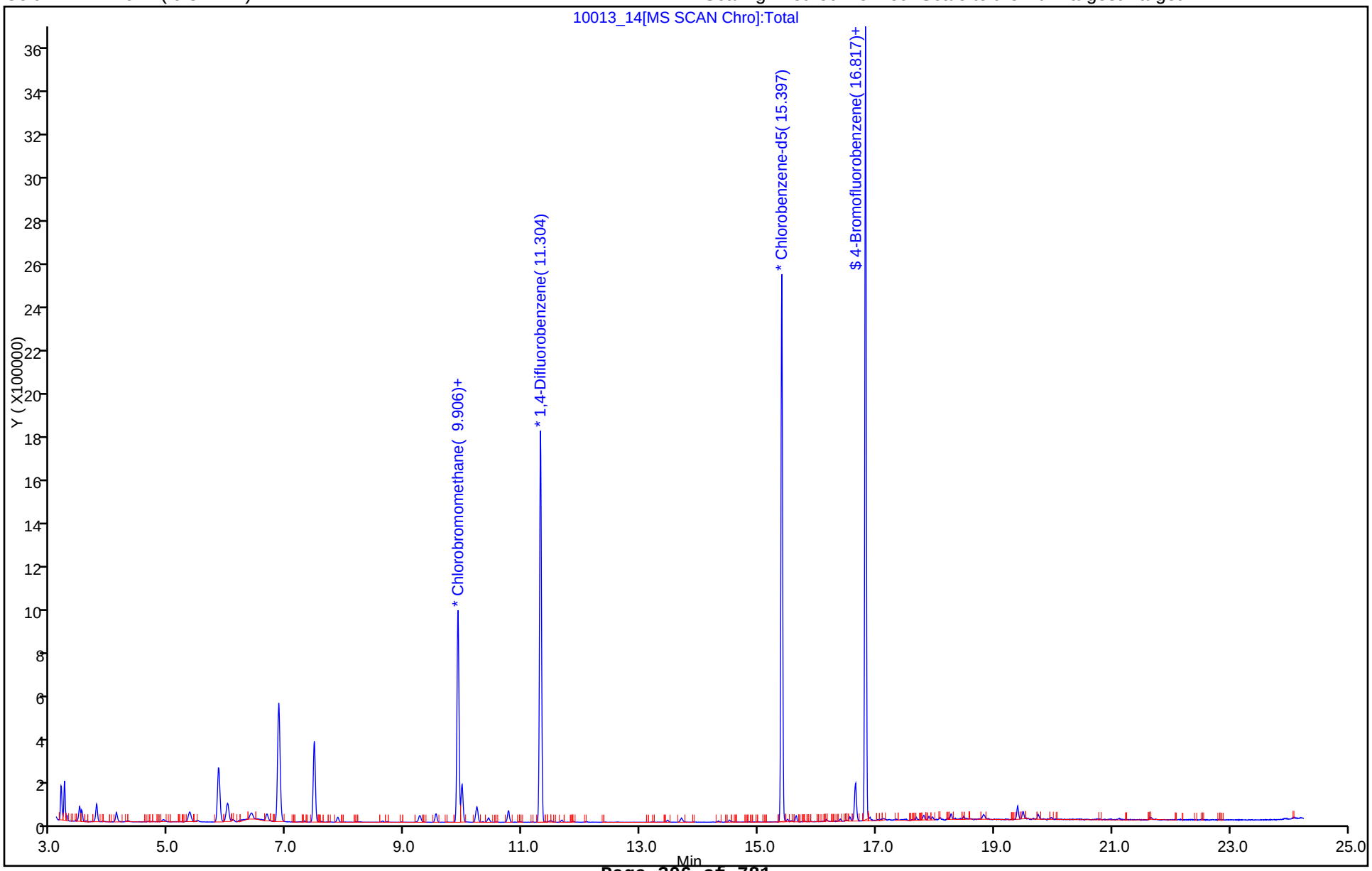
Report Date: 16-Oct-2014 11:44:01 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9	Worklist Smp#:	14
Client ID:	VP GAC MID				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



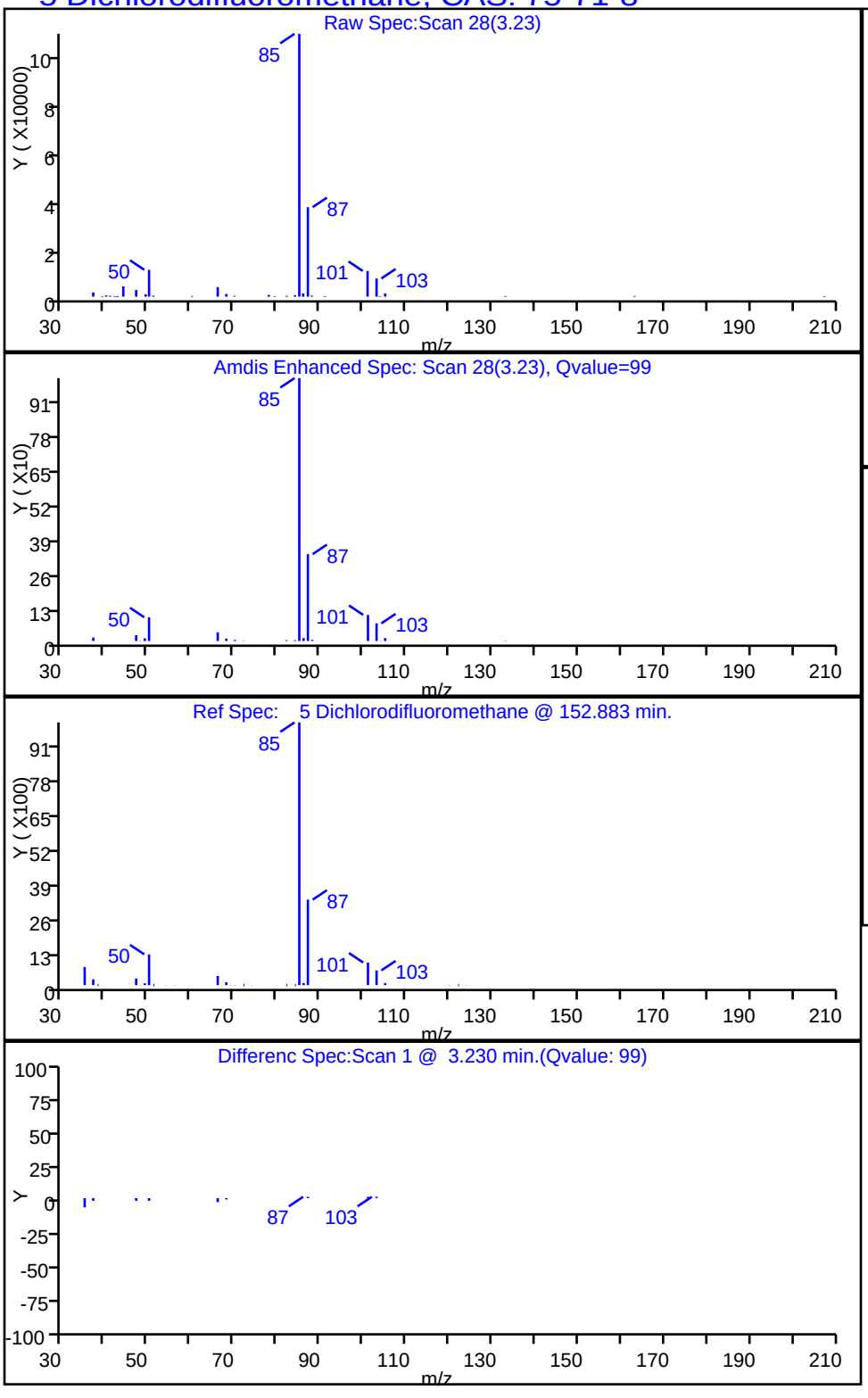
Report Date: 16-Oct-2014 11:44:01 Chrom Revision: 2.2 07-Oct-2014 12:16:06

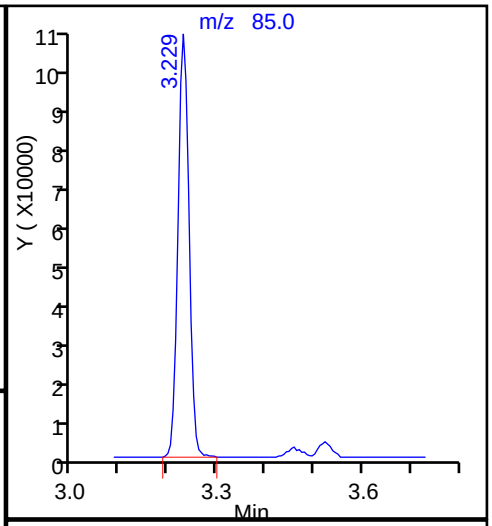
TestAmerica Burlington

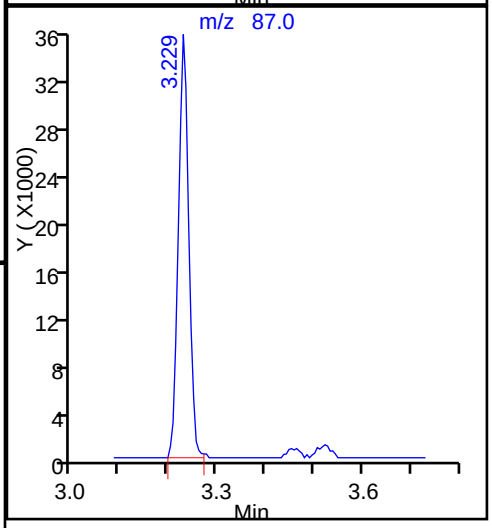
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Dichlorodifluoromethane, CAS: 75-71-8







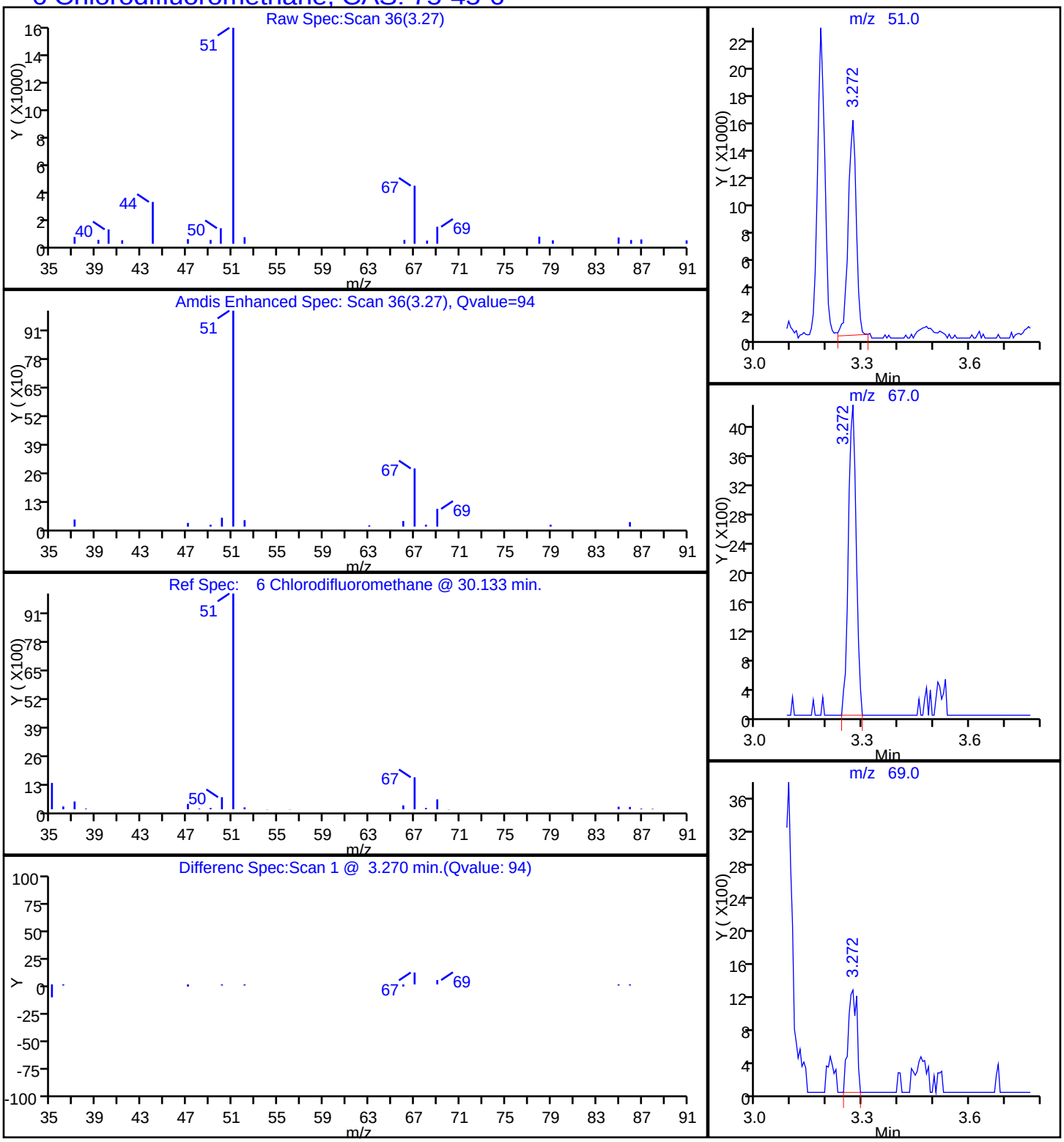
Report Date: 16-Oct-2014 11:44:01 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



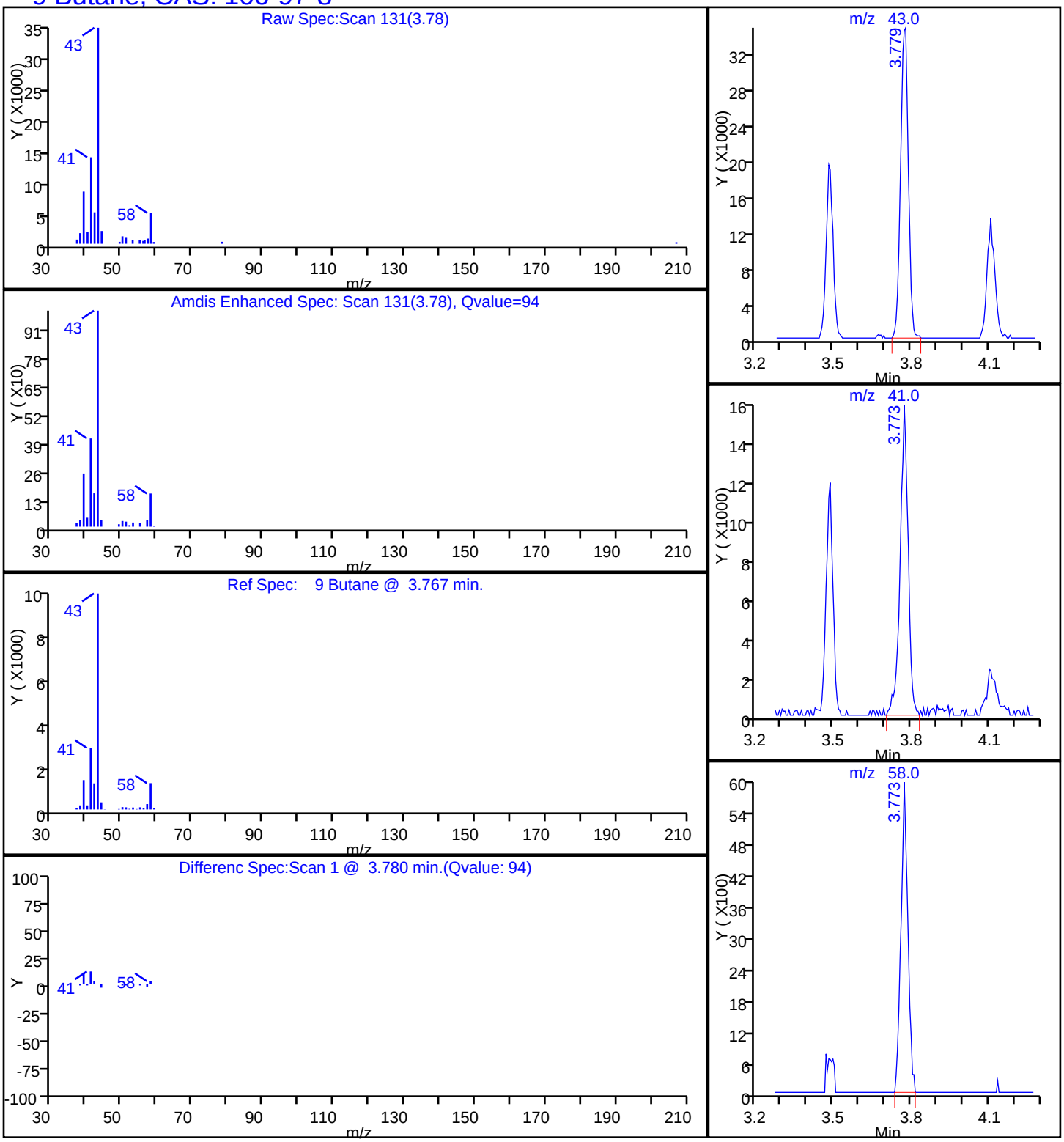
Report Date: 16-Oct-2014 11:44:01 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9
Client ID:	VP GAC MID		
Operator ID:	pad	ALS Bottle#:	13 Worklist Smp#: 14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

9 Butane, CAS: 106-97-8



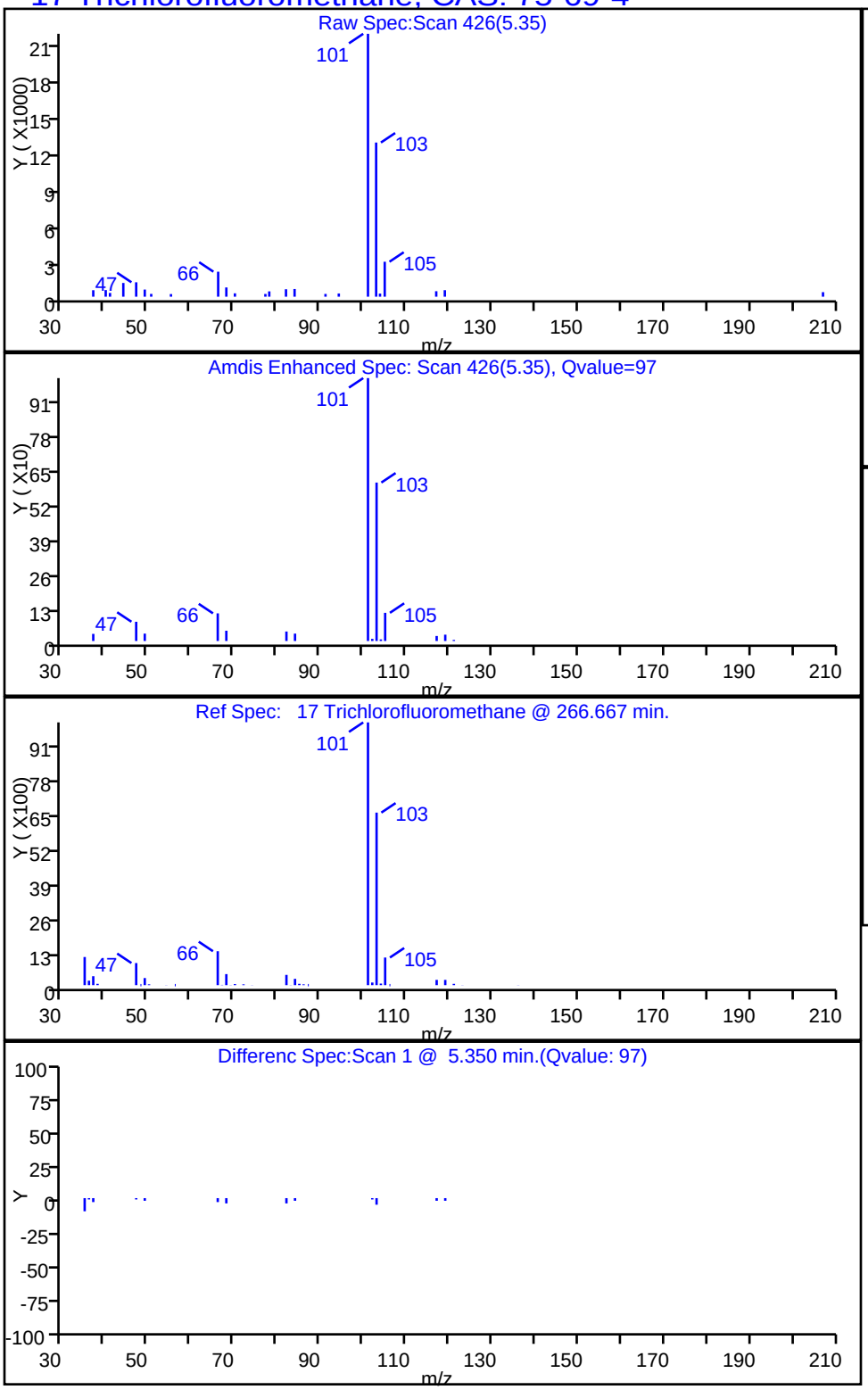
Report Date: 16-Oct-2014 11:44:01 Chrom Revision: 2.2 07-Oct-2014 12:16:06

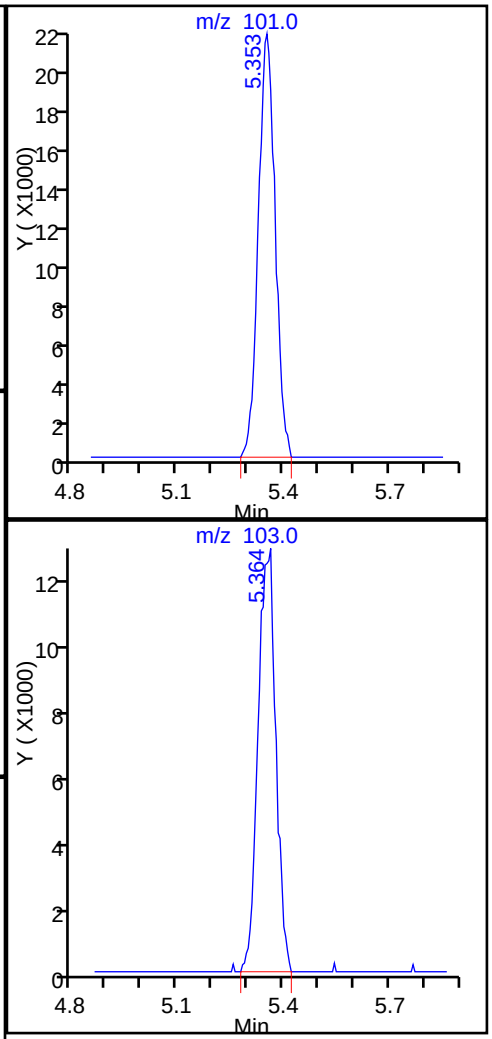
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

17 Trichlorofluoromethane, CAS: 75-69-4





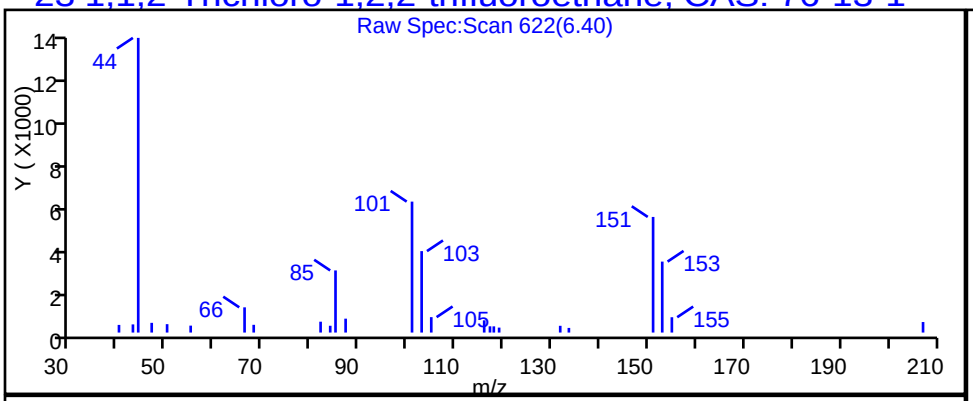
Report Date: 16-Oct-2014 11:44:01 Chrom Revision: 2.2 07-Oct-2014 12:16:06

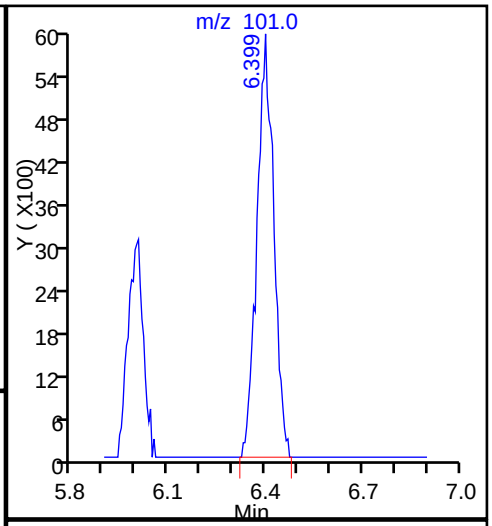
TestAmerica Burlington

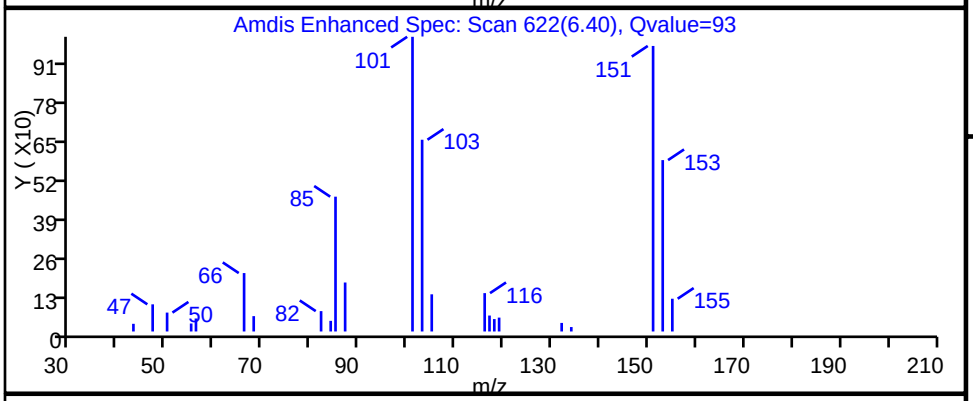
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

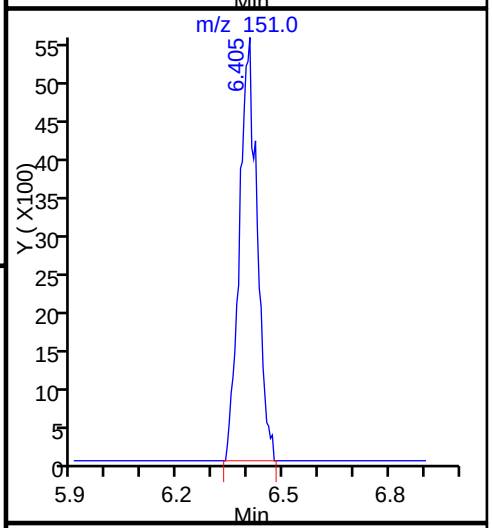
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

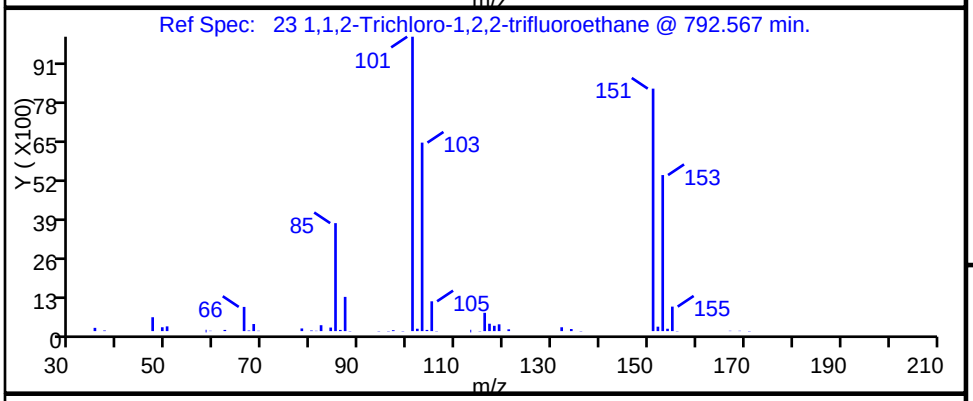
23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

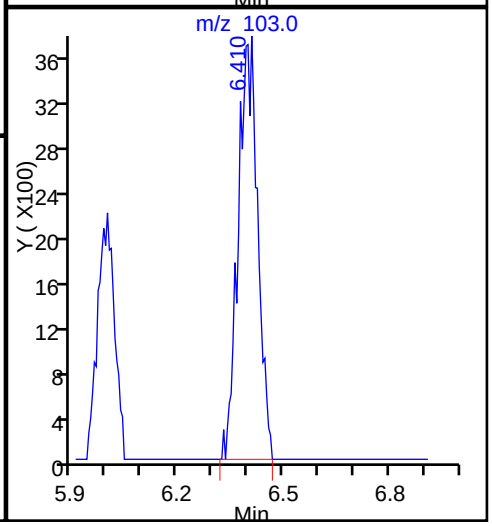


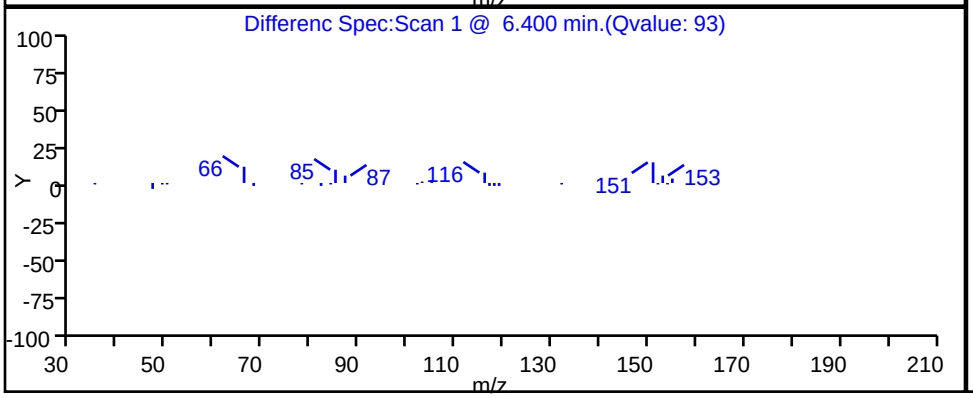












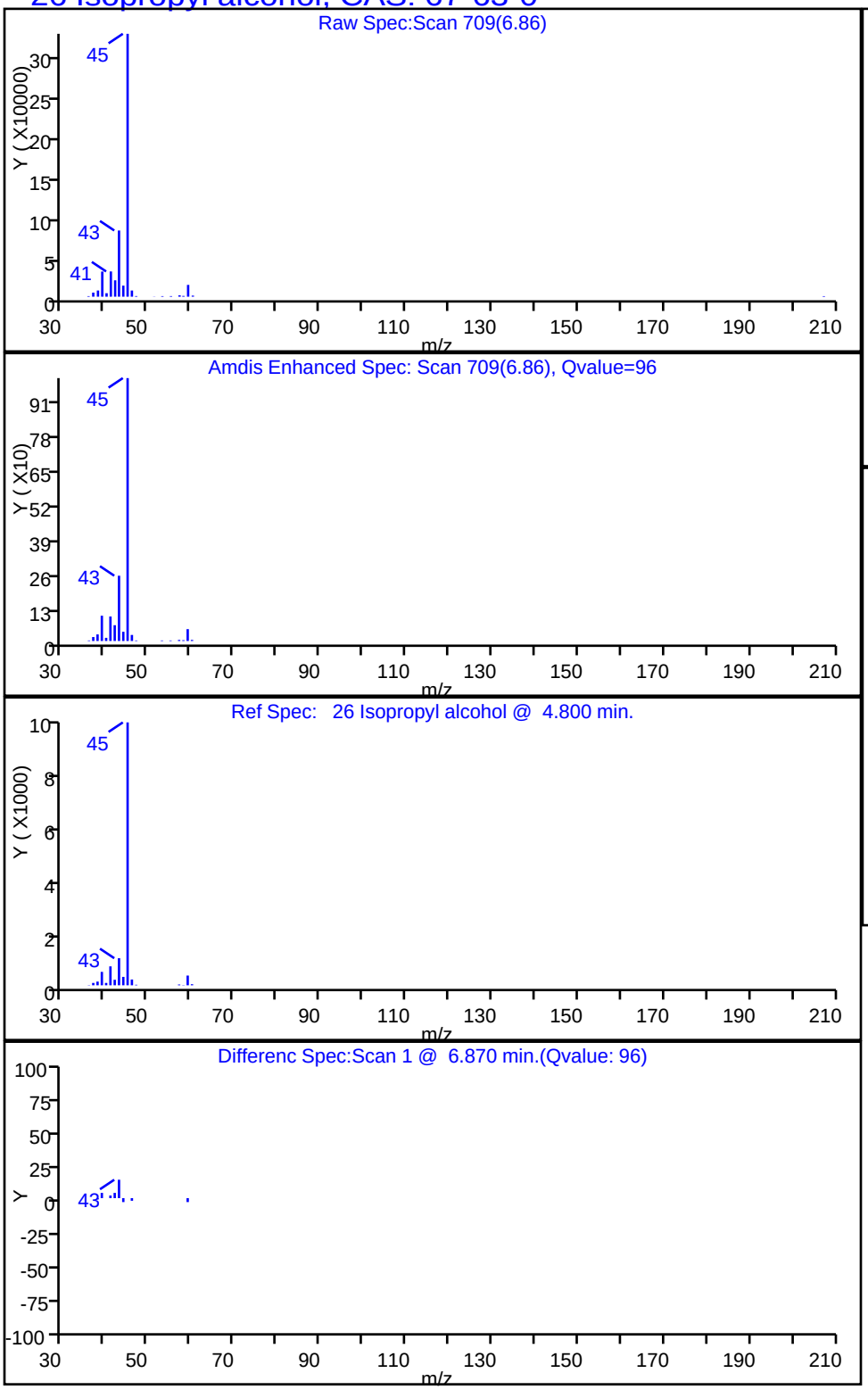
Report Date: 16-Oct-2014 11:44:01 Chrom Revision: 2.2 07-Oct-2014 12:16:06

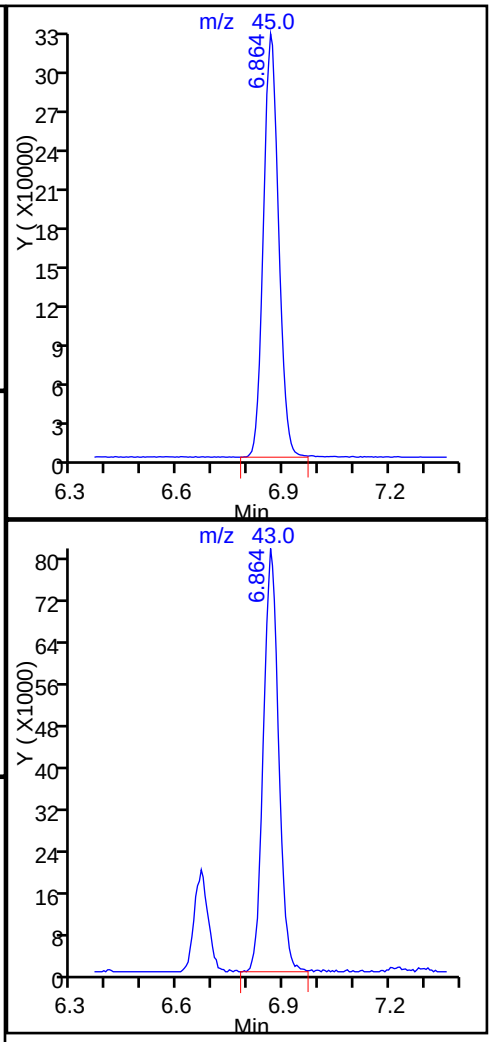
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 Isopropyl alcohol, CAS: 67-63-0





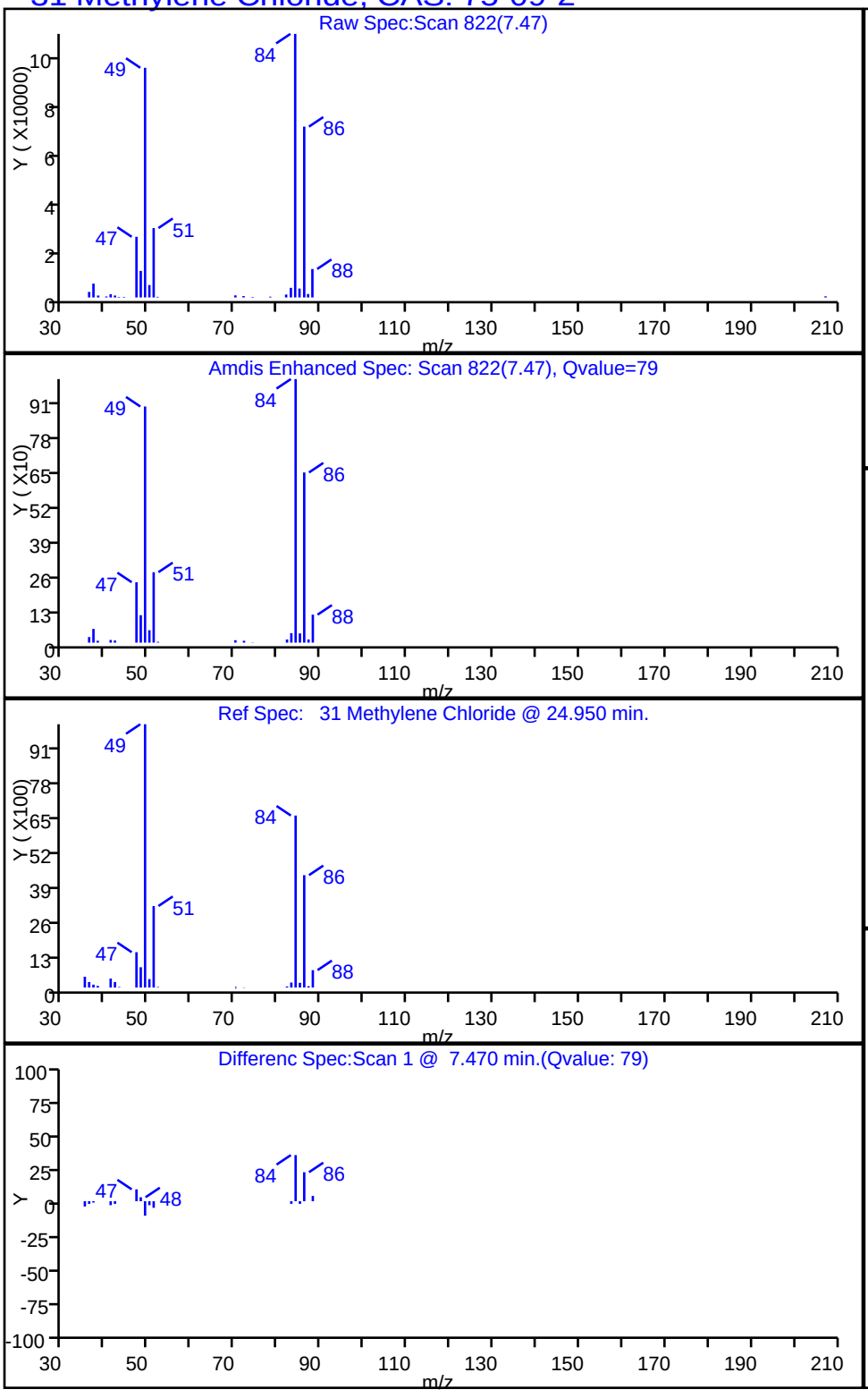
Report Date: 16-Oct-2014 11:44:01 Chrom Revision: 2.2 07-Oct-2014 12:16:06

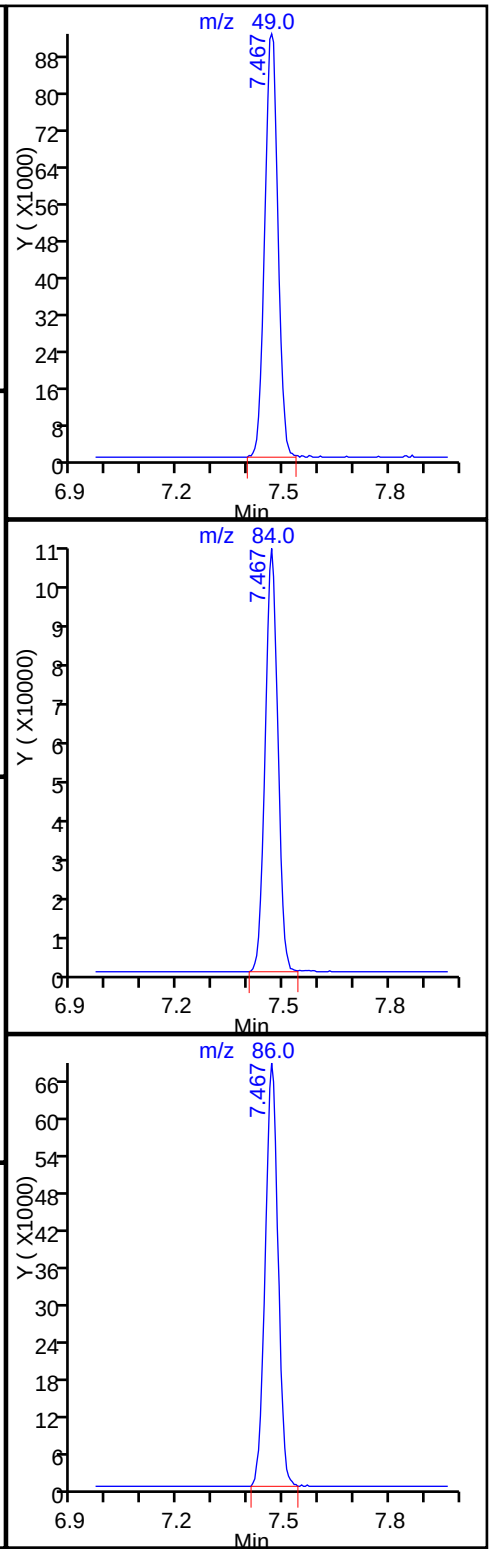
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2





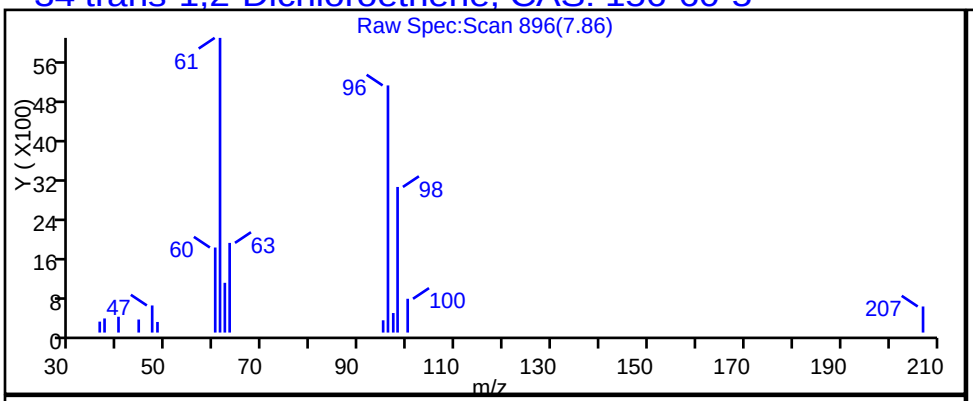
Report Date: 16-Oct-2014 11:44:01 Chrom Revision: 2.2 07-Oct-2014 12:16:06

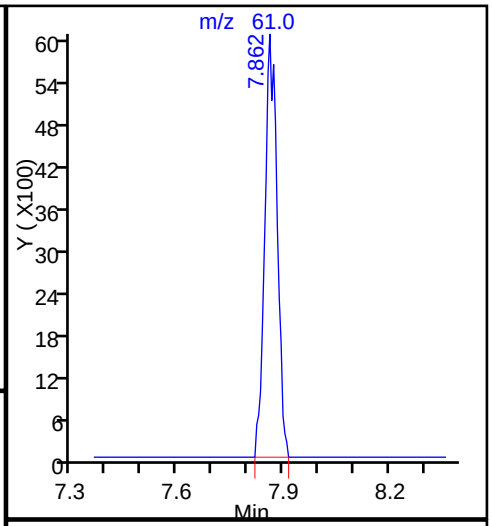
TestAmerica Burlington

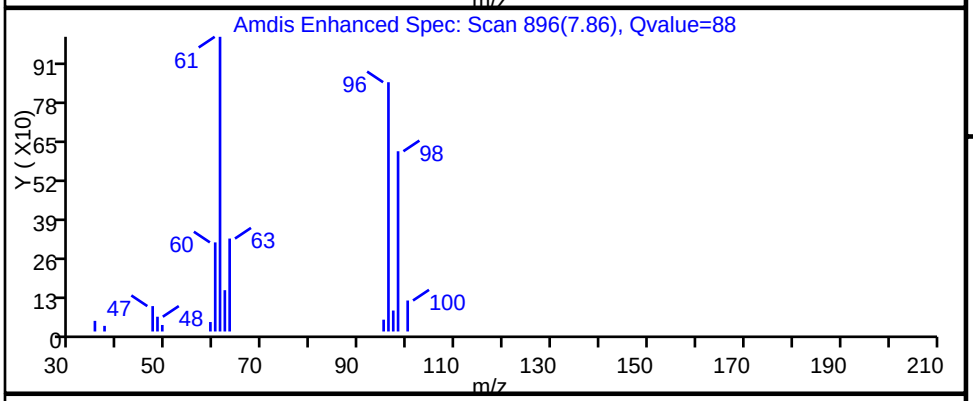
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

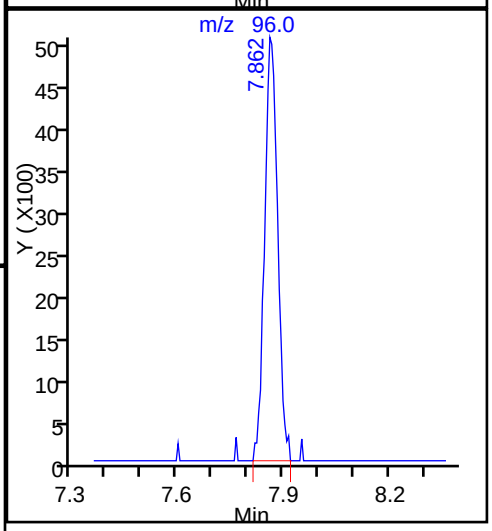
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

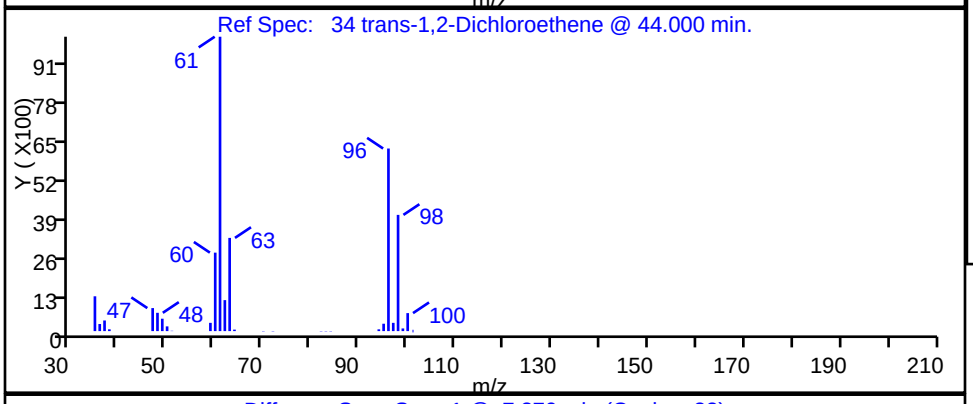
34 trans-1,2-Dichloroethene, CAS: 156-60-5

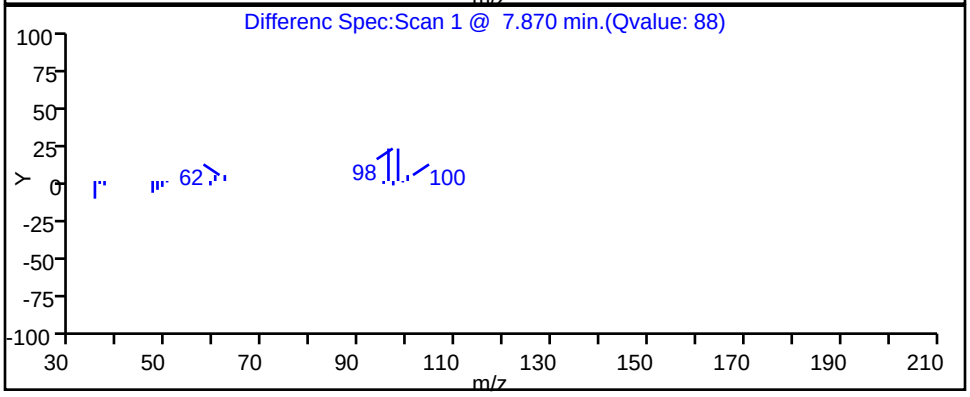












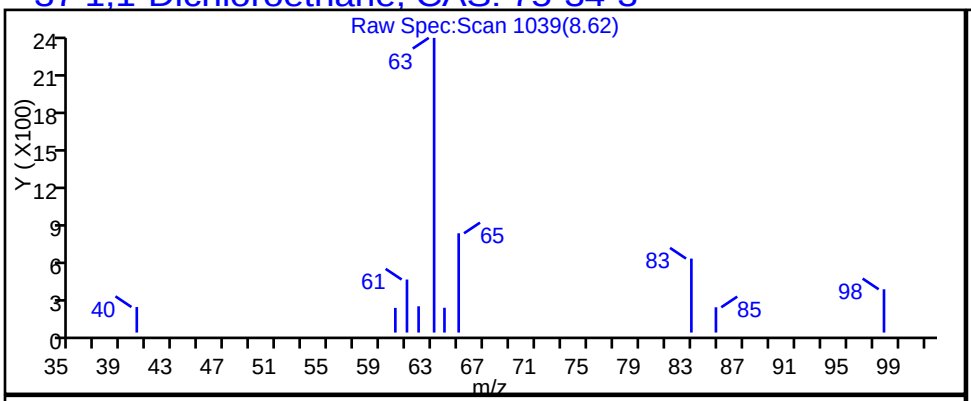
Report Date: 16-Oct-2014 11:44:01 Chrom Revision: 2.2 07-Oct-2014 12:16:06

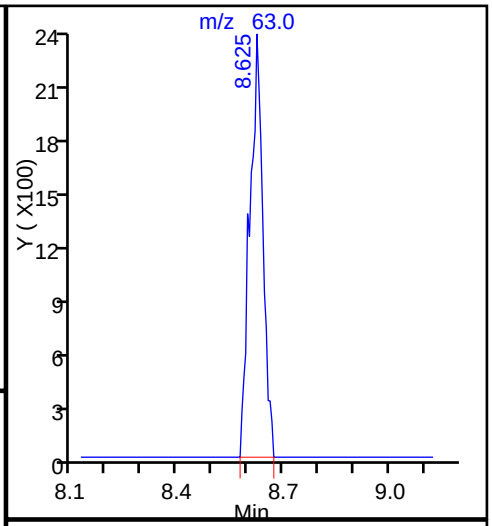
TestAmerica Burlington

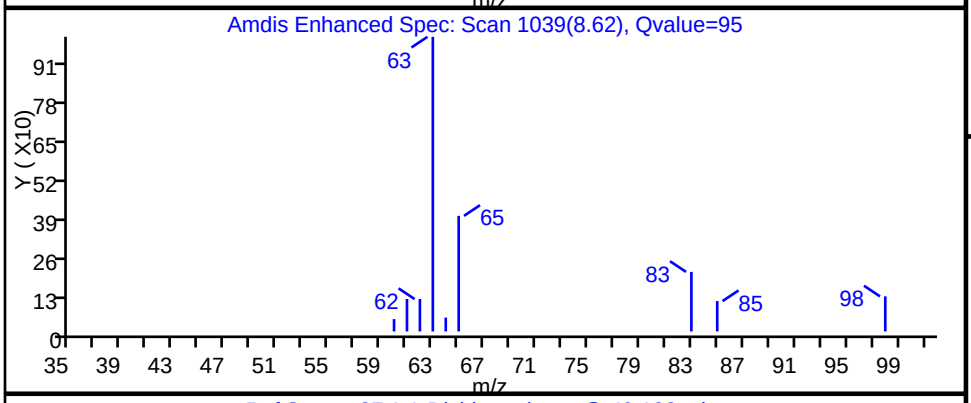
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

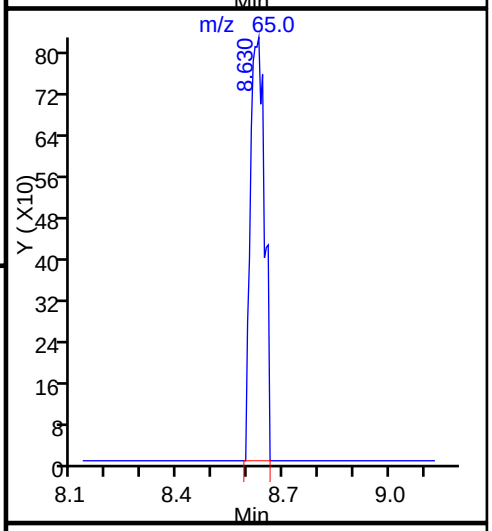
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

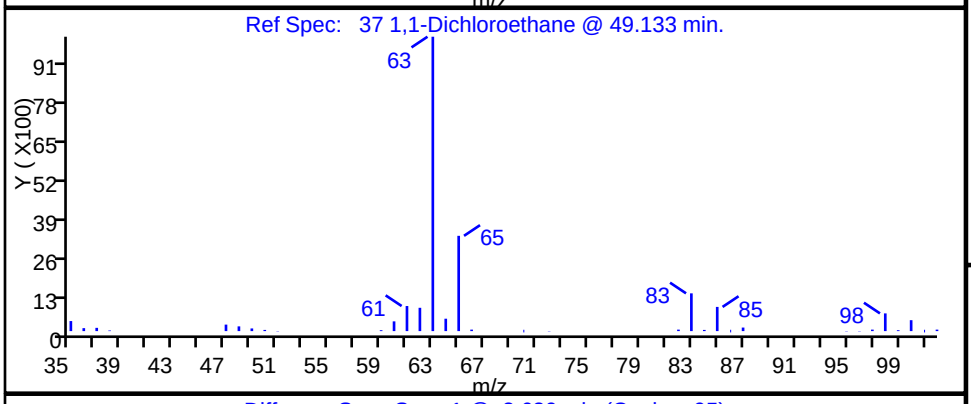
37 1,1-Dichloroethane, CAS: 75-34-3

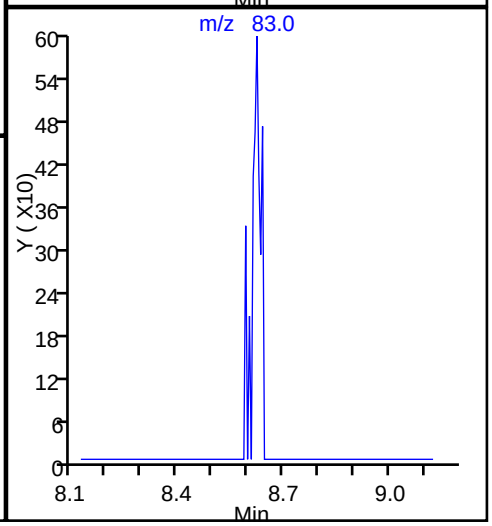


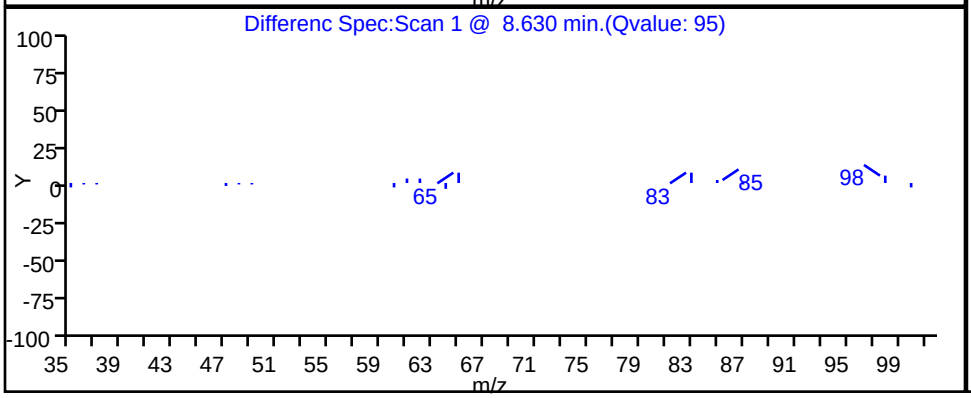












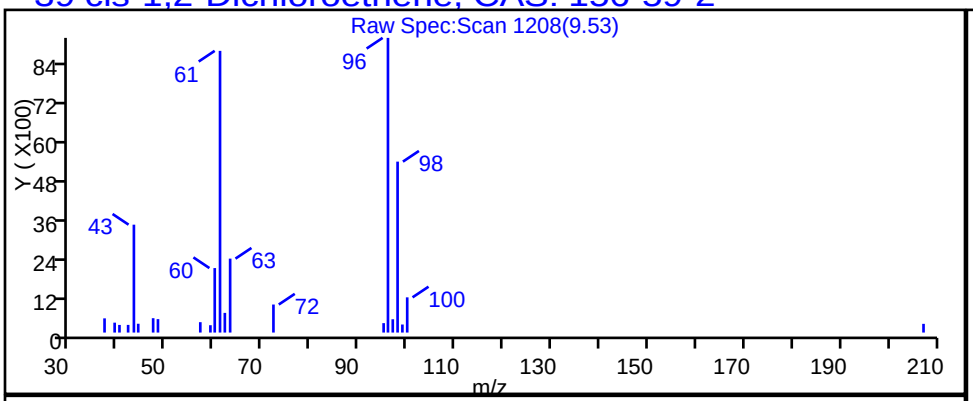
Report Date: 16-Oct-2014 11:44:01 Chrom Revision: 2.2 07-Oct-2014 12:16:06

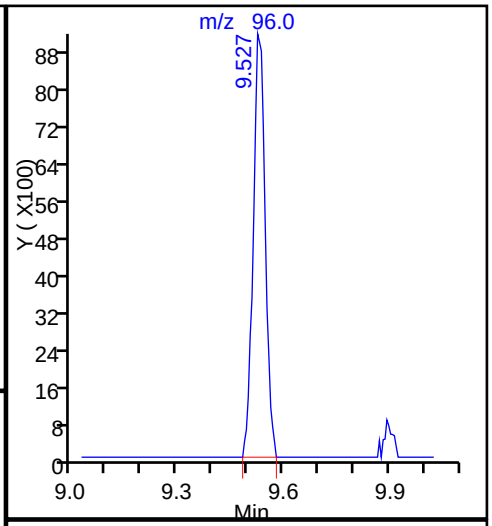
TestAmerica Burlington

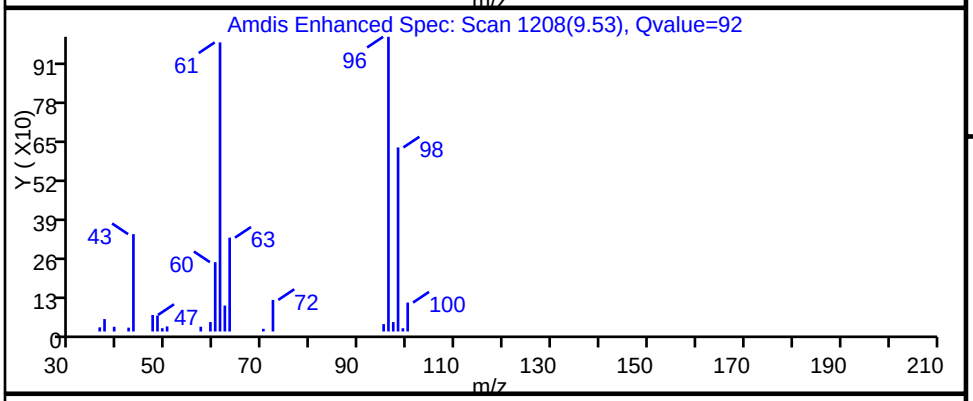
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

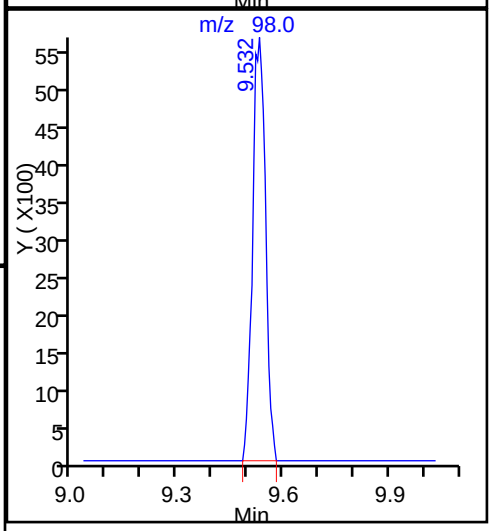
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

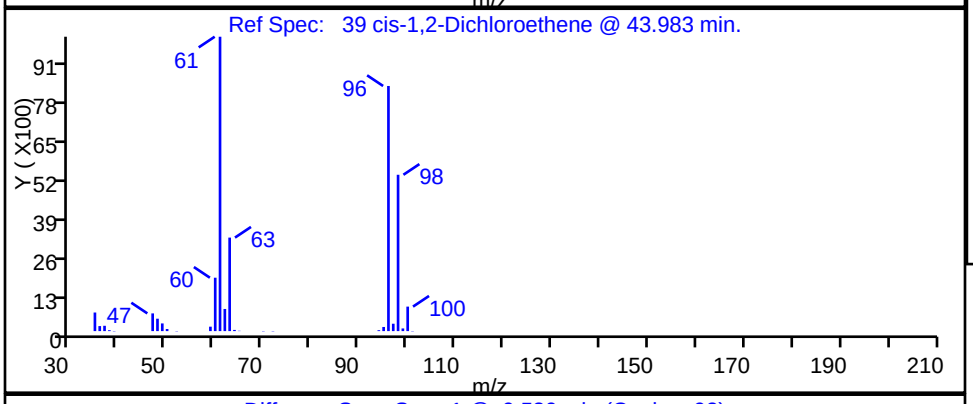
39 cis-1,2-Dichloroethene, CAS: 156-59-2

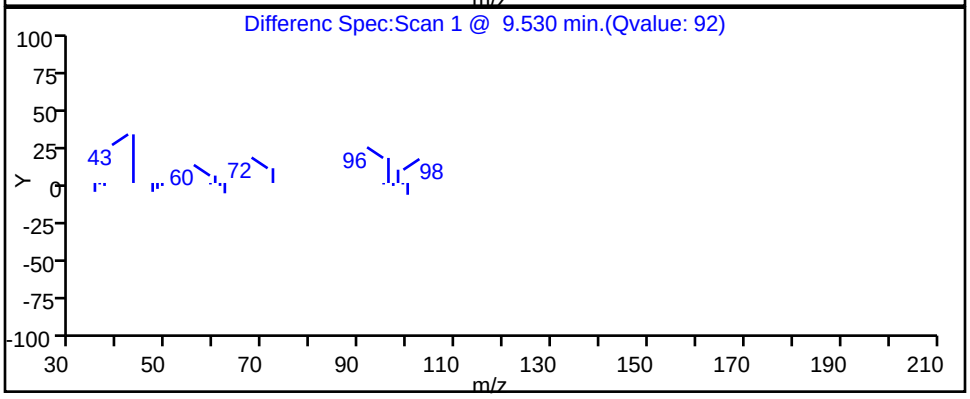












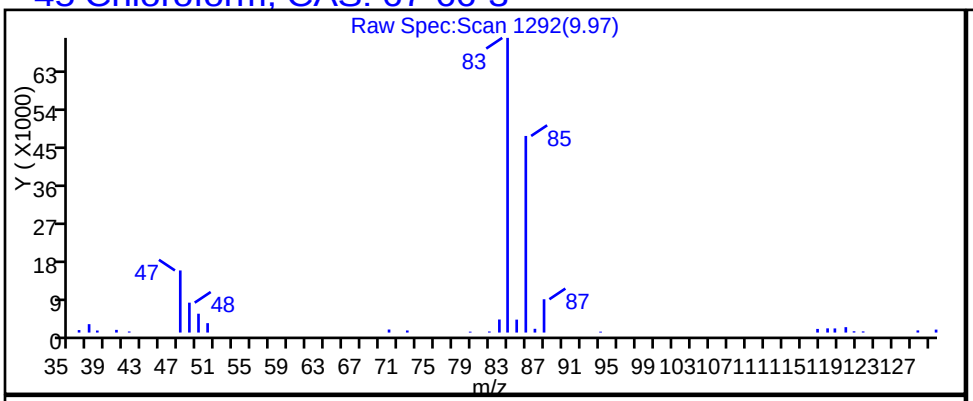
Report Date: 16-Oct-2014 11:44:02 Chrom Revision: 2.2 07-Oct-2014 12:16:06

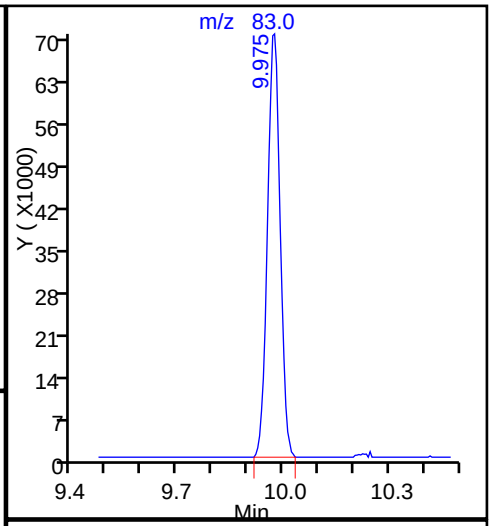
TestAmerica Burlington

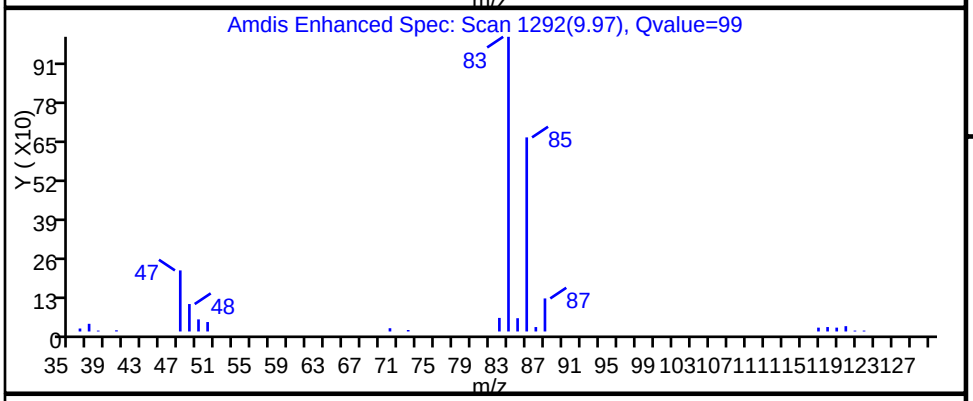
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

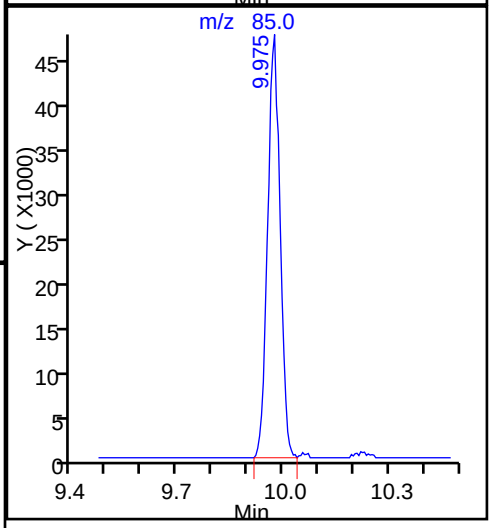
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

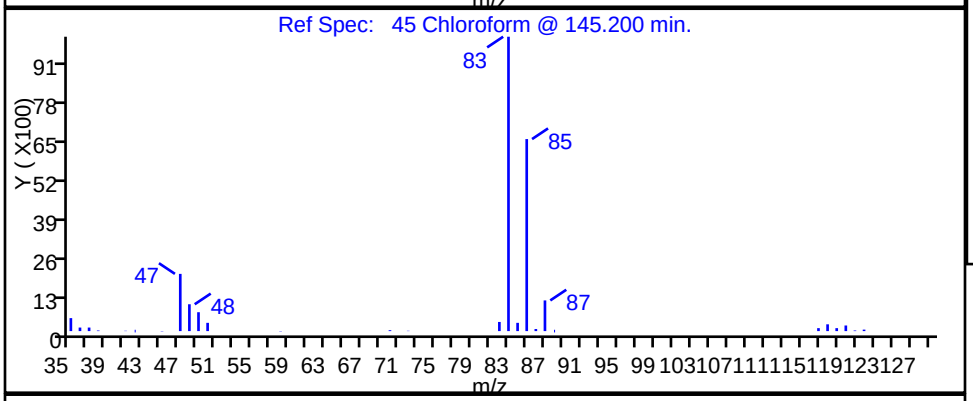
45 Chloroform, CAS: 67-66-3

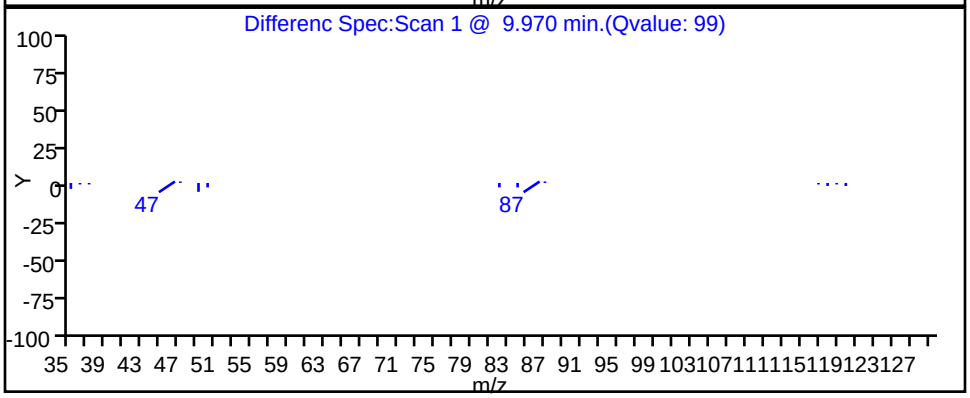












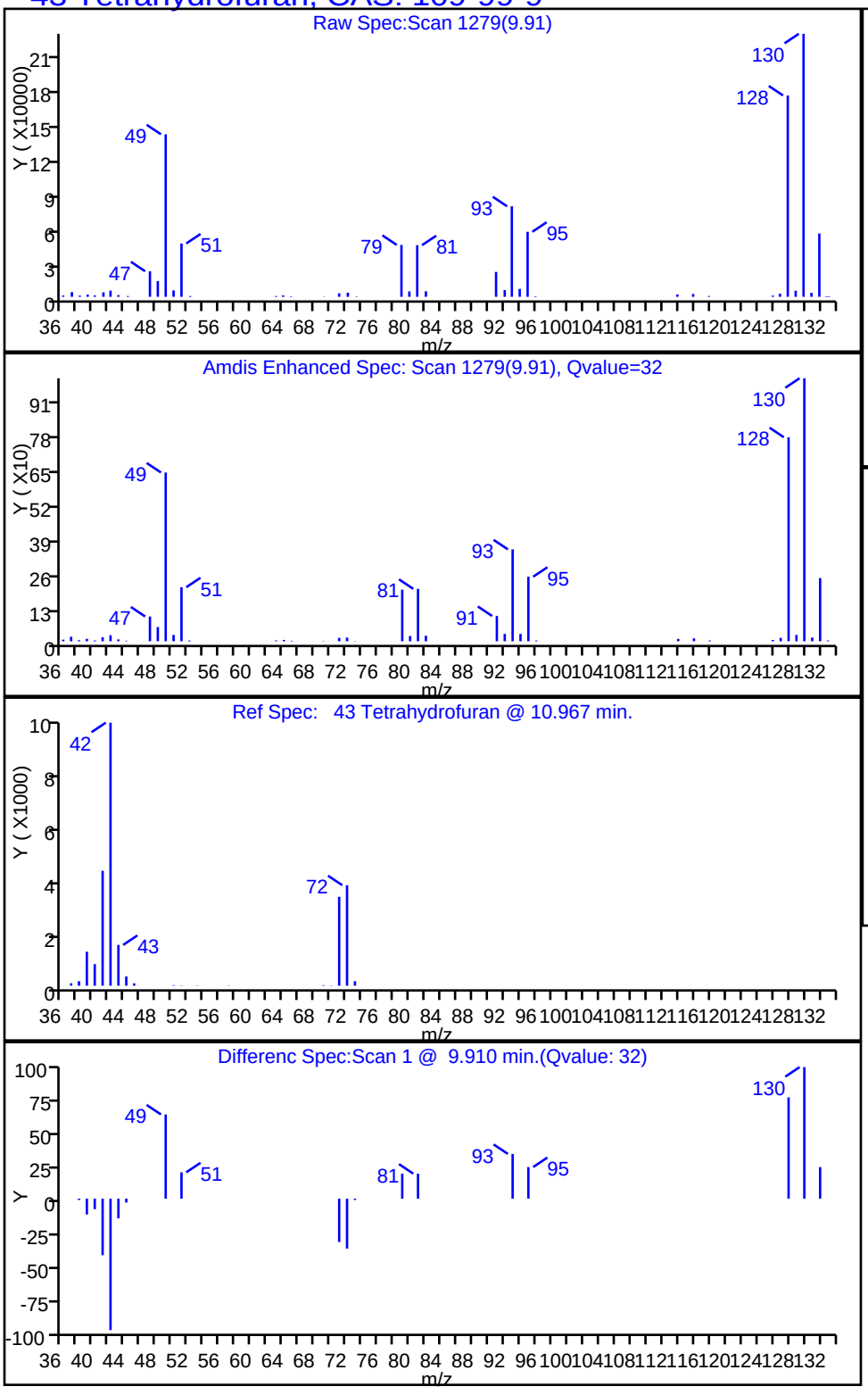
Report Date: 16-Oct-2014 11:44:02 Chrom Revision: 2.2 07-Oct-2014 12:16:06

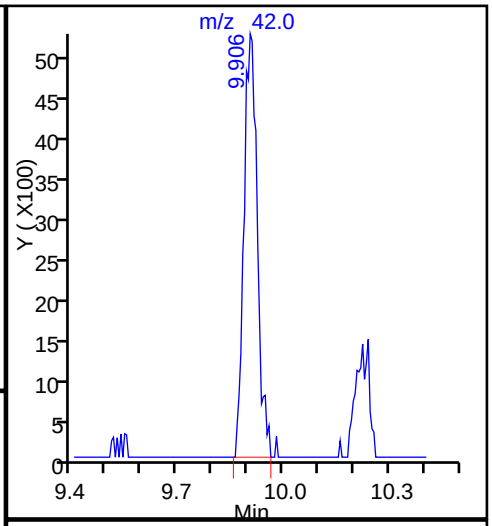
TestAmerica Burlington

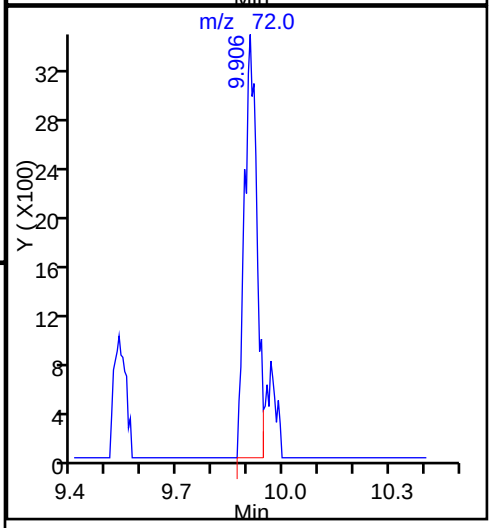
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Tetrahydrofuran, CAS: 109-99-9







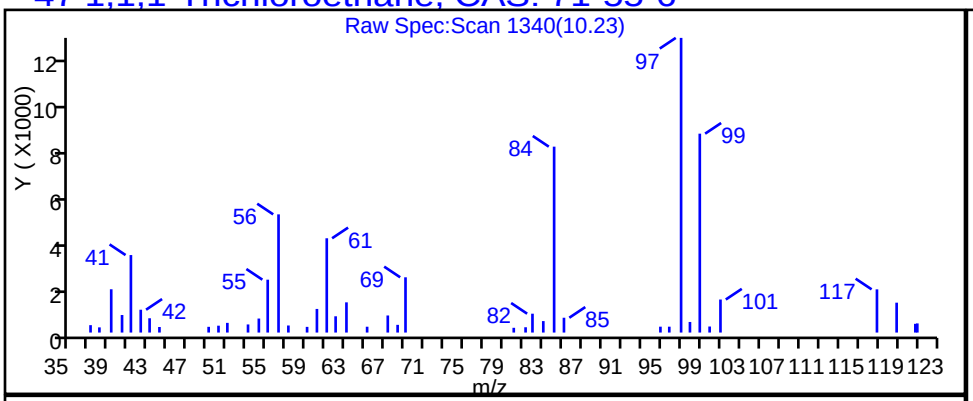
Report Date: 16-Oct-2014 11:44:02 Chrom Revision: 2.2 07-Oct-2014 12:16:06

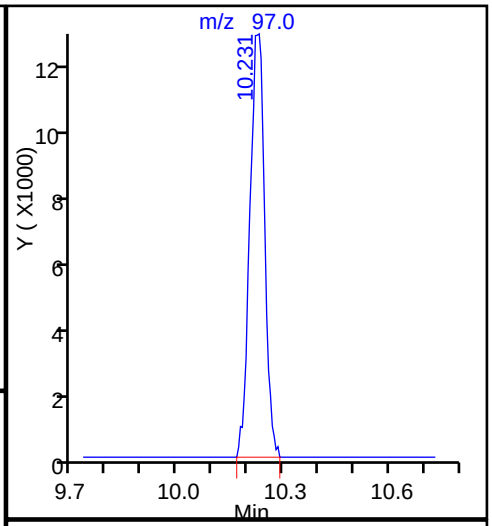
TestAmerica Burlington

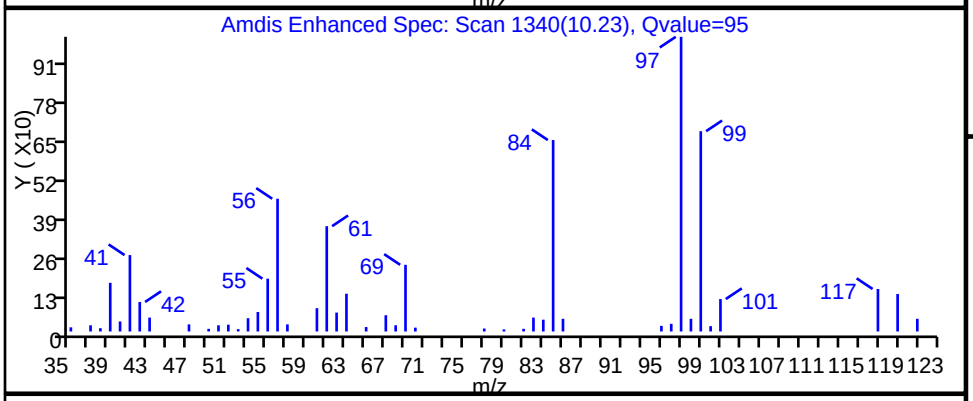
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

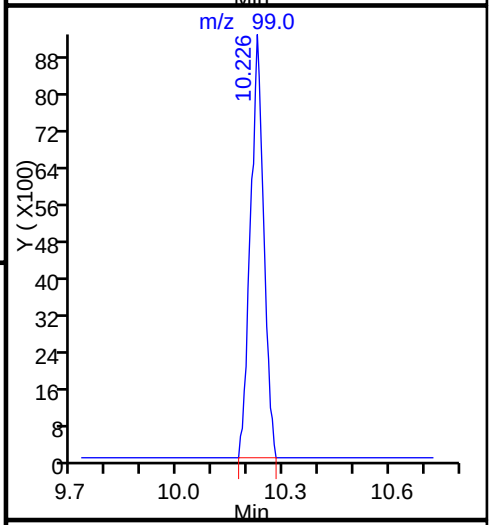
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

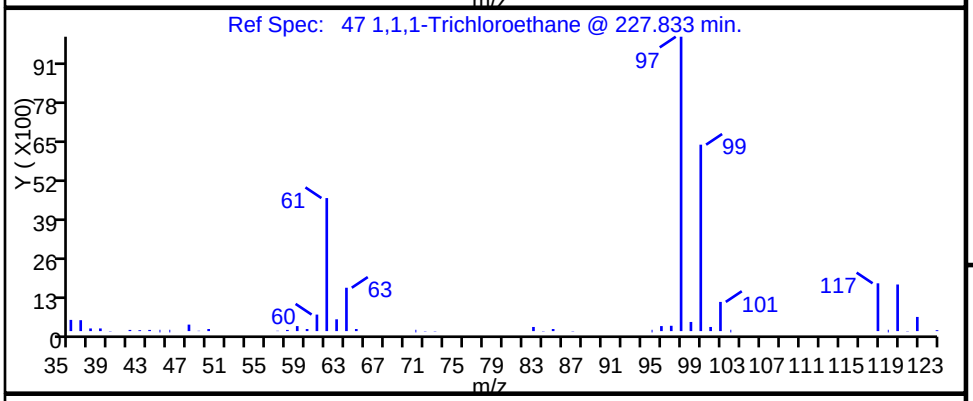
47 1,1,1-Trichloroethane, CAS: 71-55-6

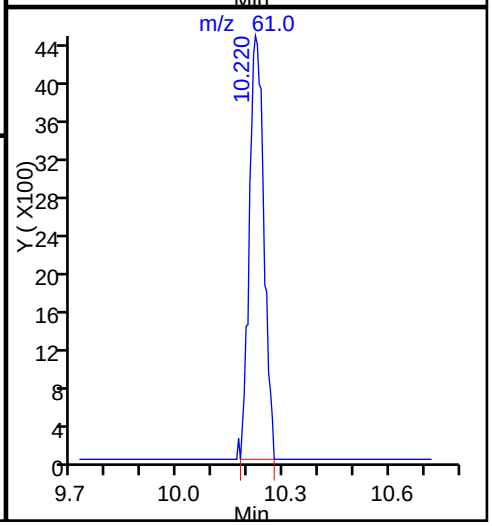


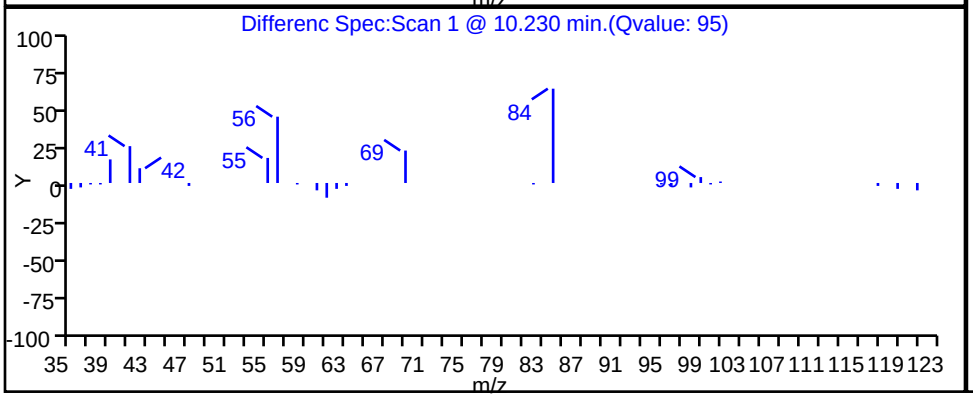










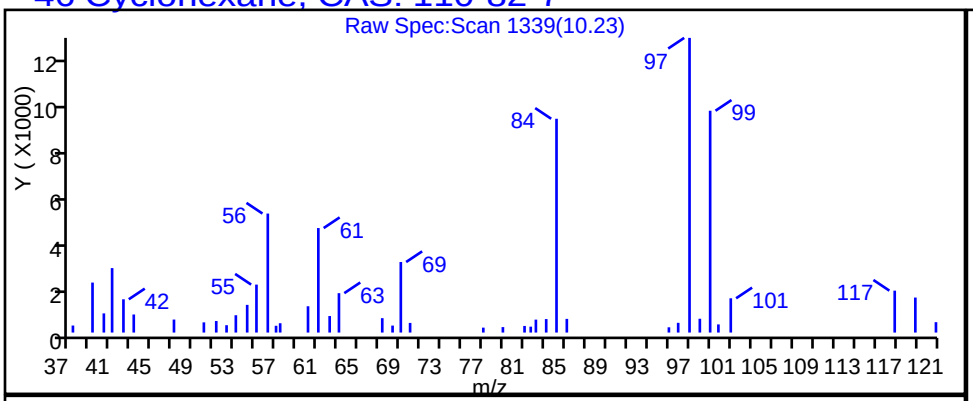


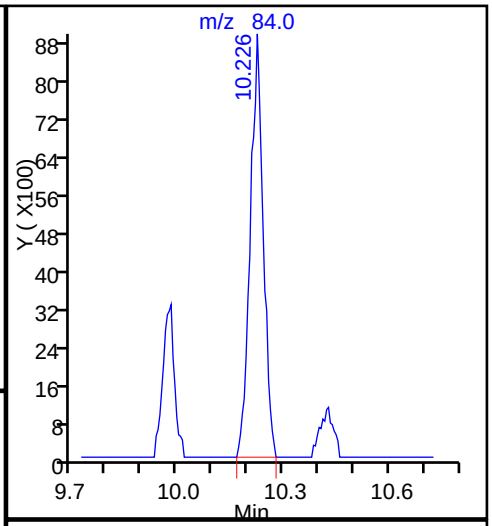
Report Date: 16-Oct-2014 11:44:02 Chrom Revision: 2.2 07-Oct-2014 12:16:06

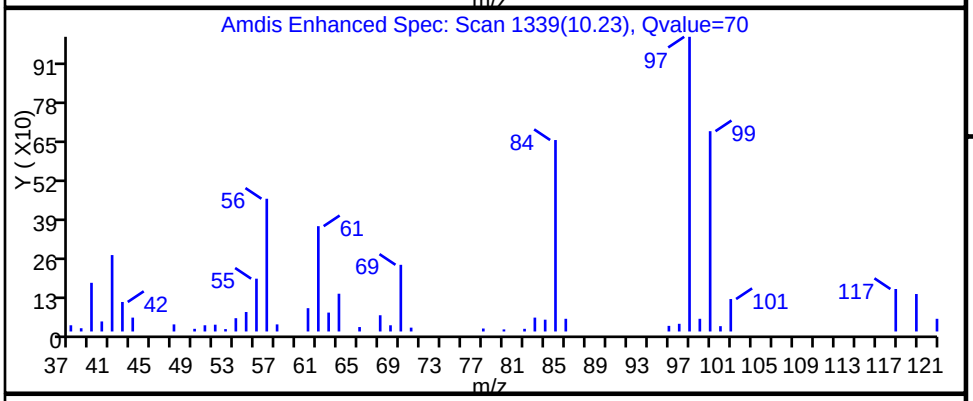
TestAmerica Burlington

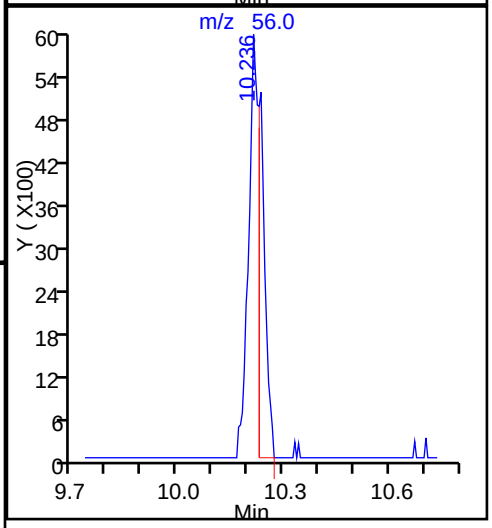
Data File:	\\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

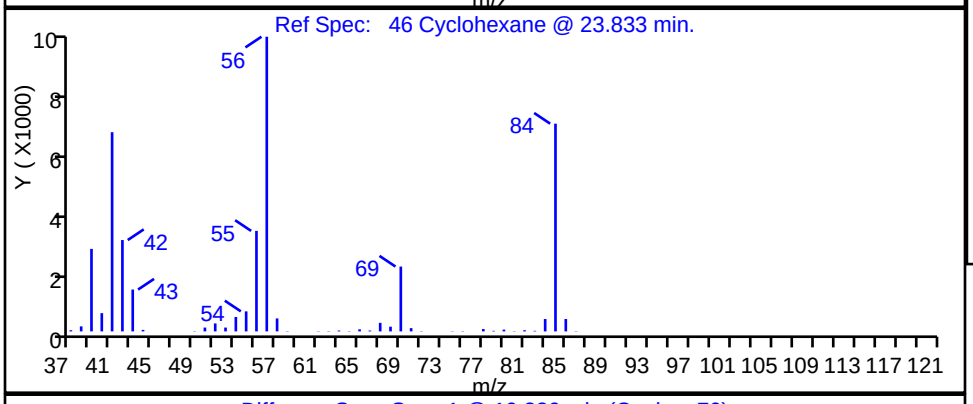
46 Cyclohexane, CAS: 110-82-7

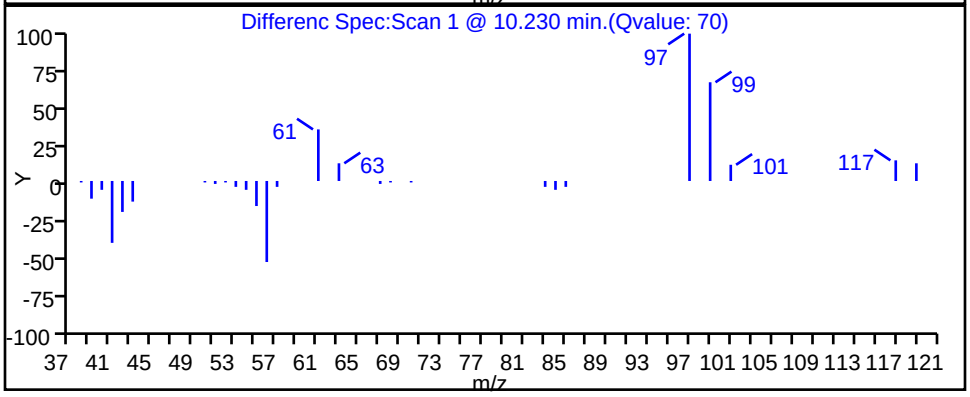












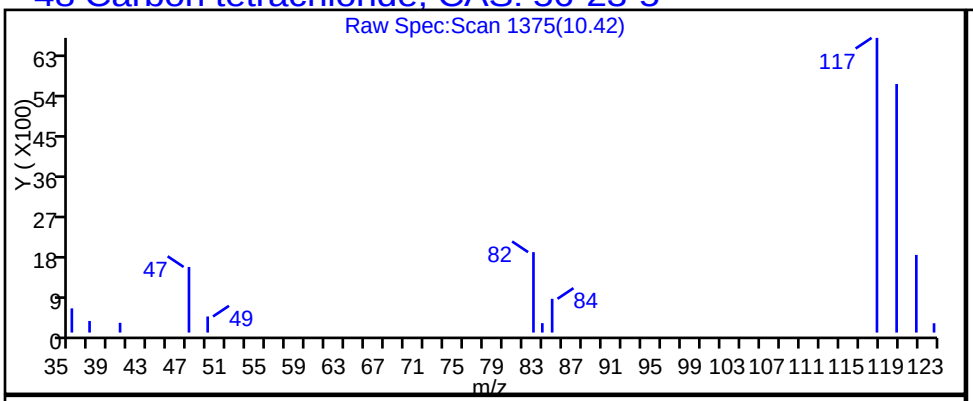
Report Date: 16-Oct-2014 11:44:02 Chrom Revision: 2.2 07-Oct-2014 12:16:06

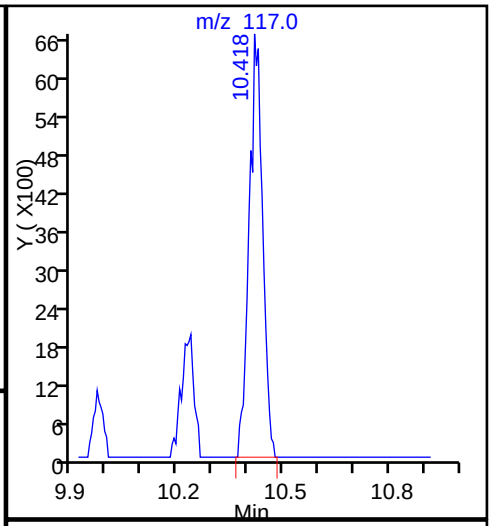
TestAmerica Burlington

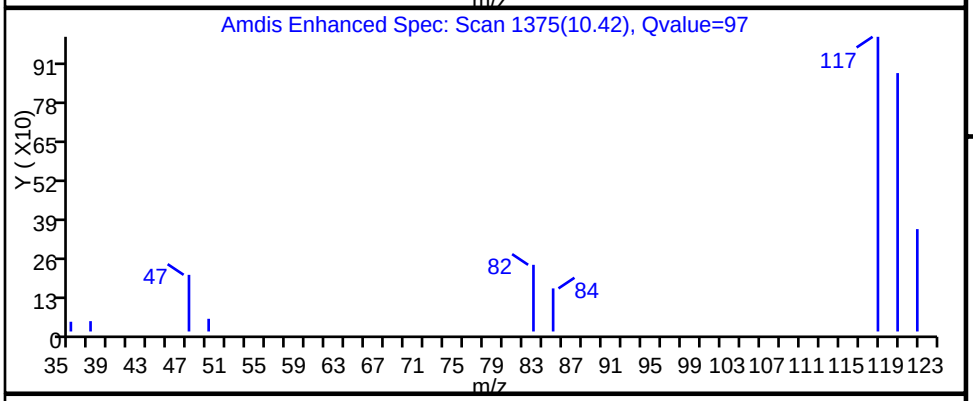
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

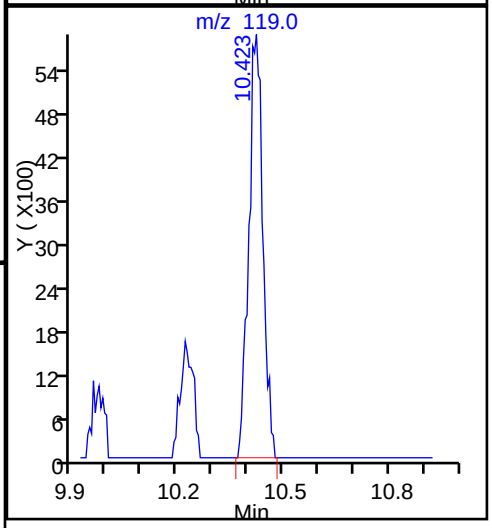
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

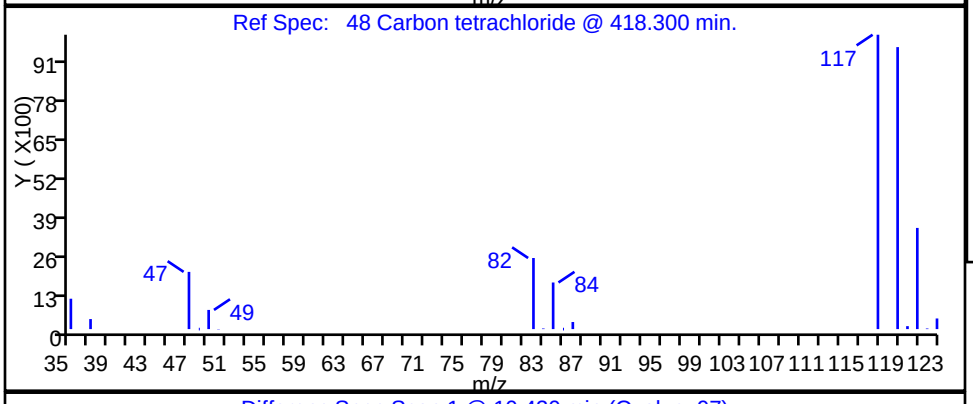
48 Carbon tetrachloride, CAS: 56-23-5

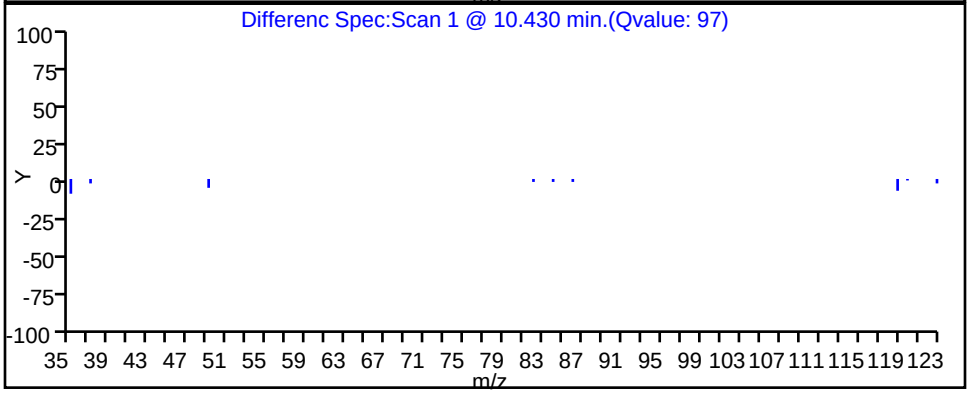












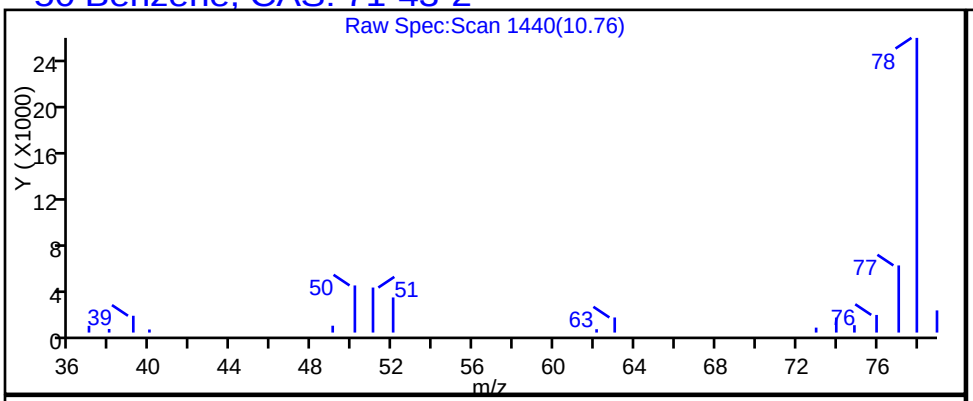
Report Date: 16-Oct-2014 11:44:02 Chrom Revision: 2.2 07-Oct-2014 12:16:06

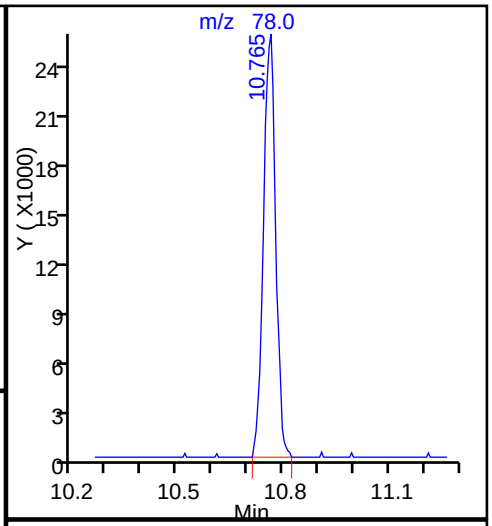
TestAmerica Burlington

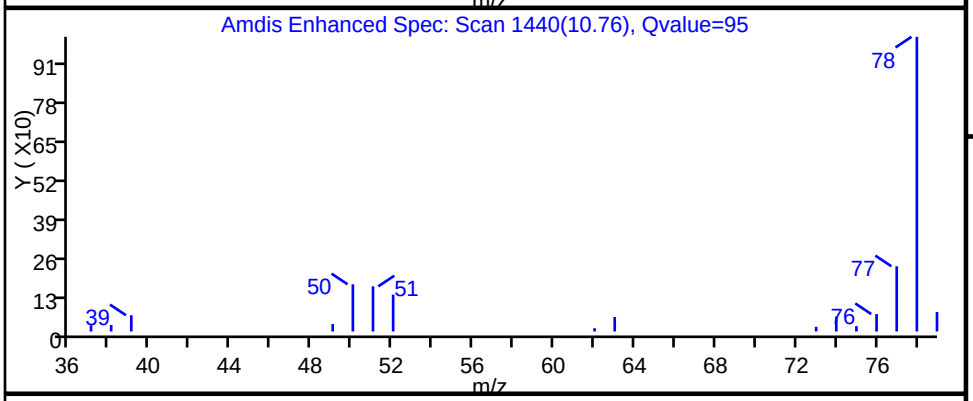
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

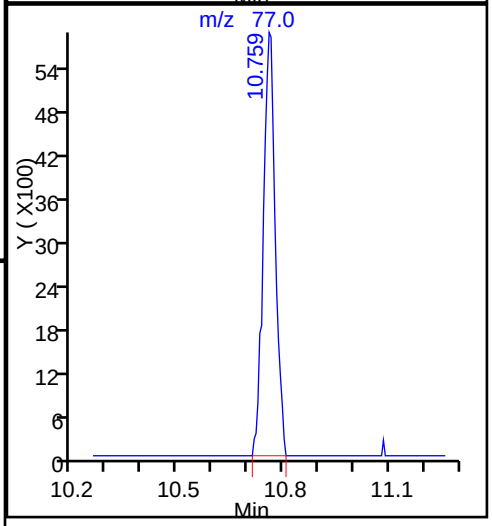
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

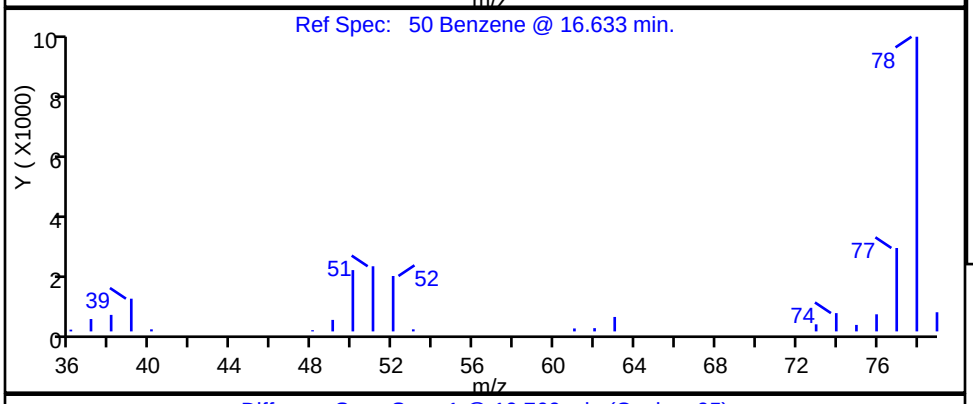
50 Benzene, CAS: 71-43-2

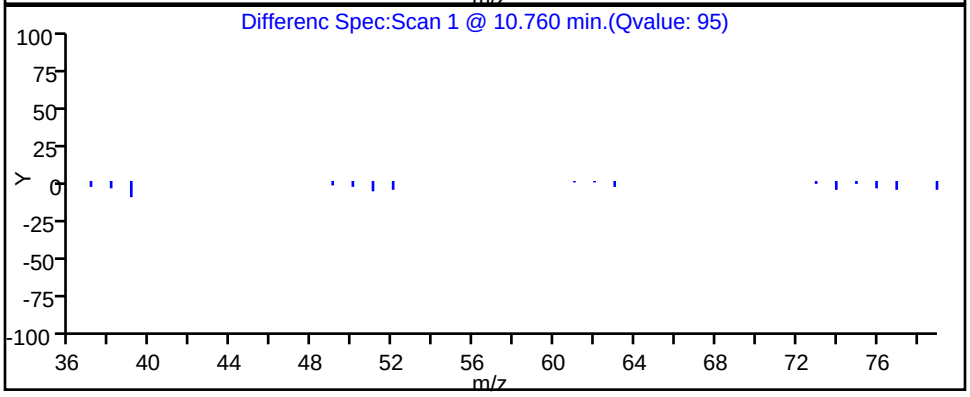












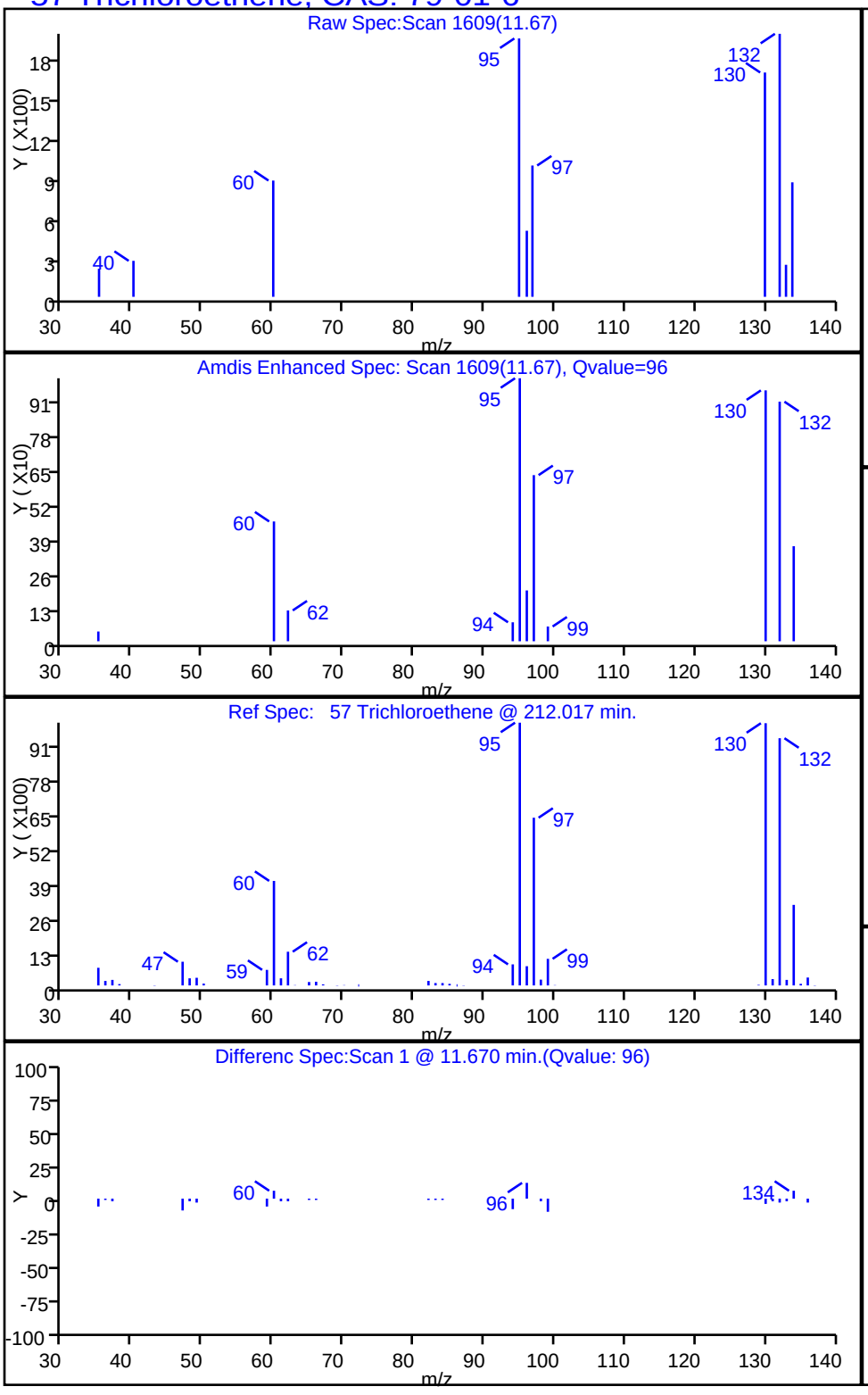
Report Date: 16-Oct-2014 11:44:02 Chrom Revision: 2.2 07-Oct-2014 12:16:06

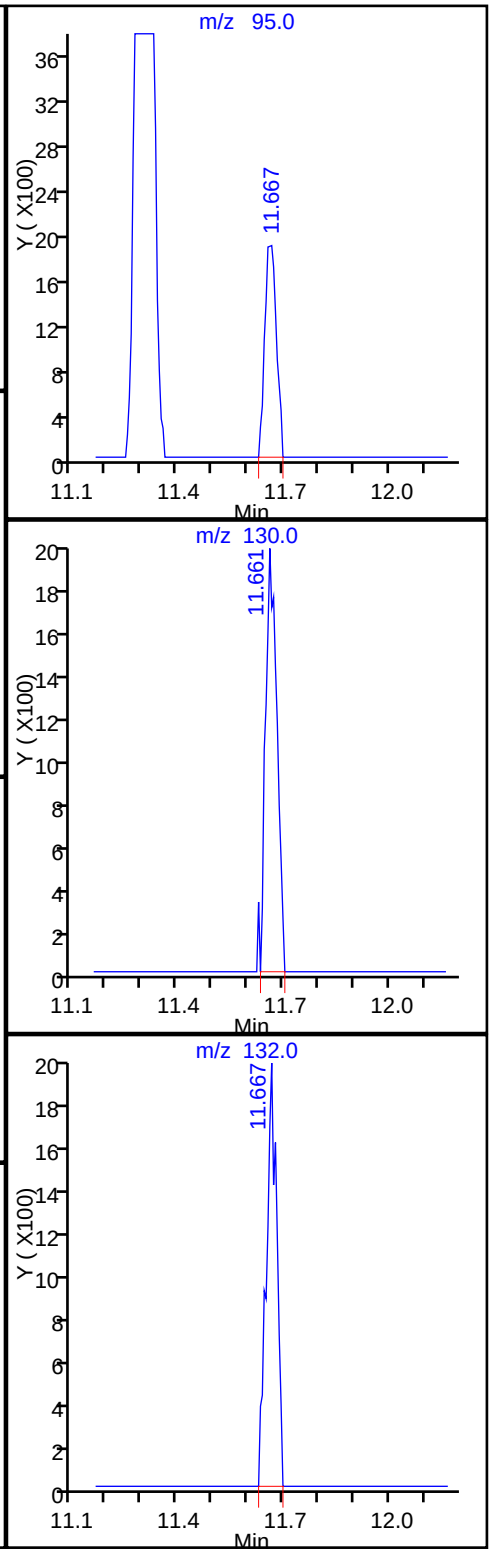
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

57 Trichloroethene, CAS: 79-01-6



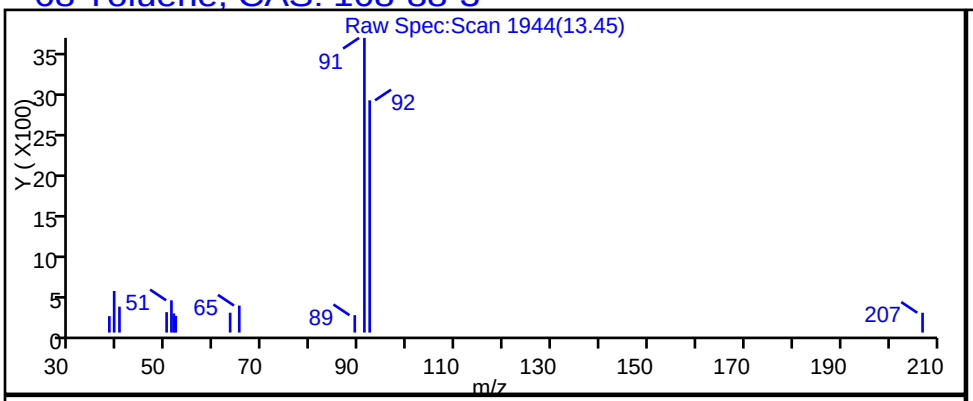


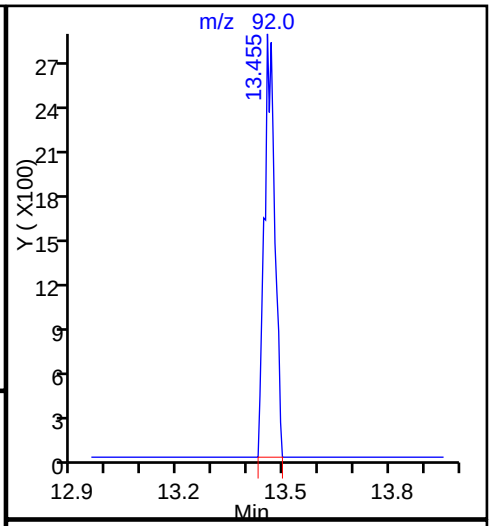
Report Date: 16-Oct-2014 11:44:02 Chrom Revision: 2.2 07-Oct-2014 12:16:06

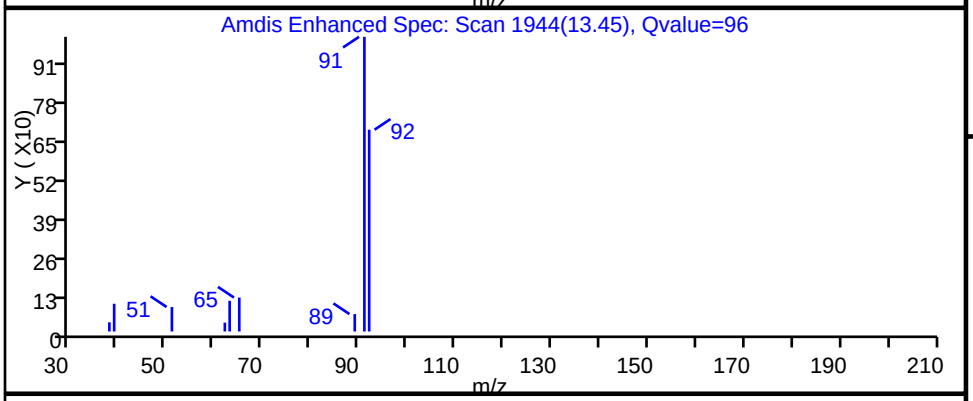
TestAmerica Burlington

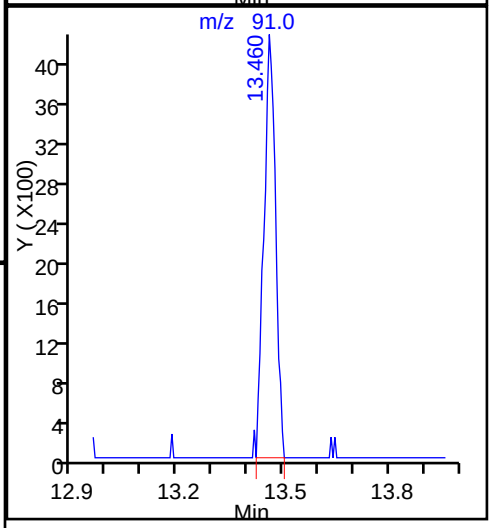
Data File:	\\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

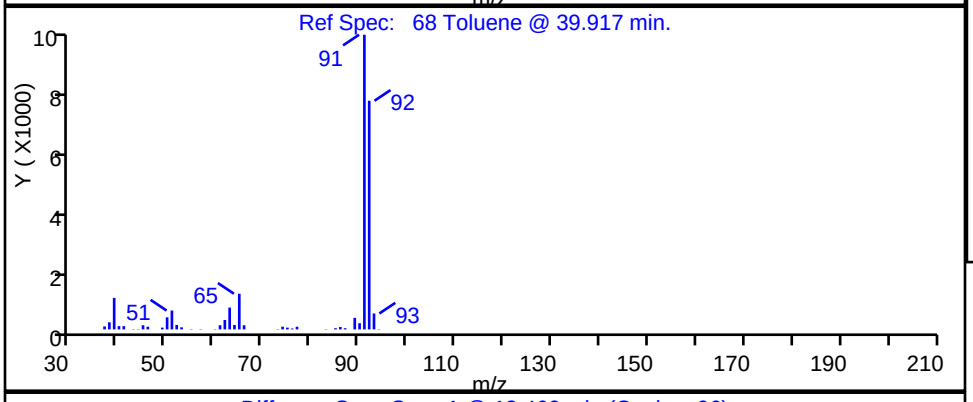
68 Toluene, CAS: 108-88-3

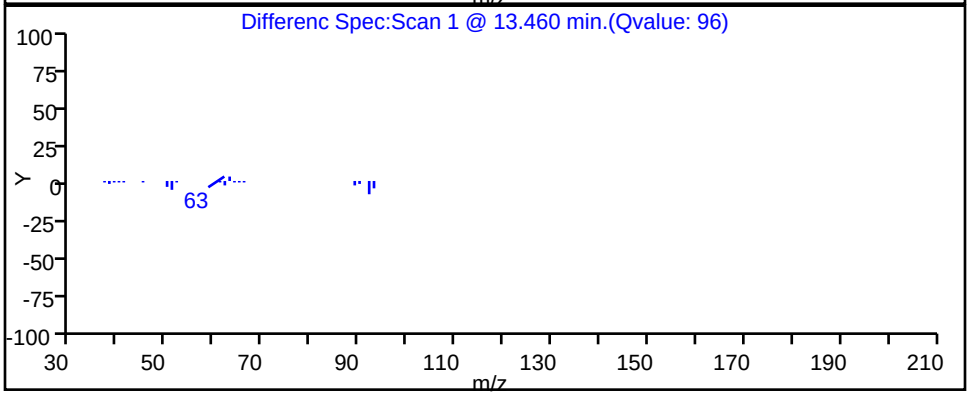












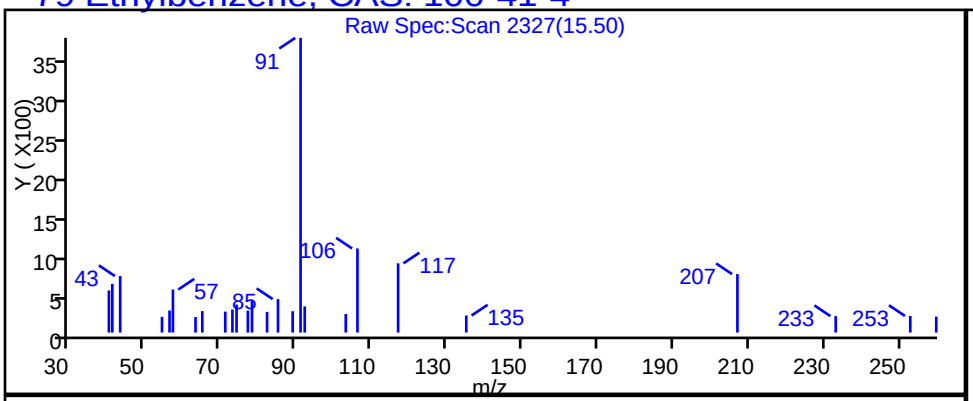
Report Date: 16-Oct-2014 11:44:02 Chrom Revision: 2.2 07-Oct-2014 12:16:06

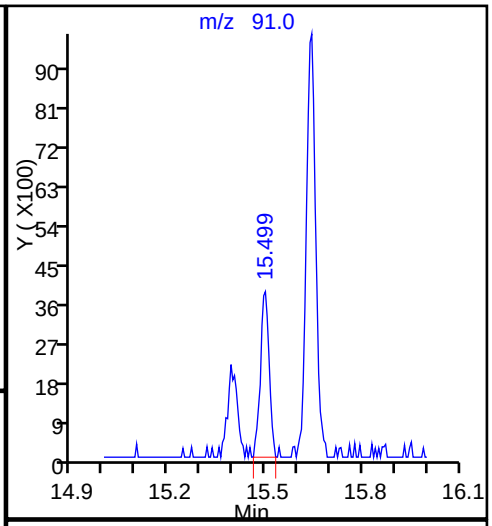
TestAmerica Burlington

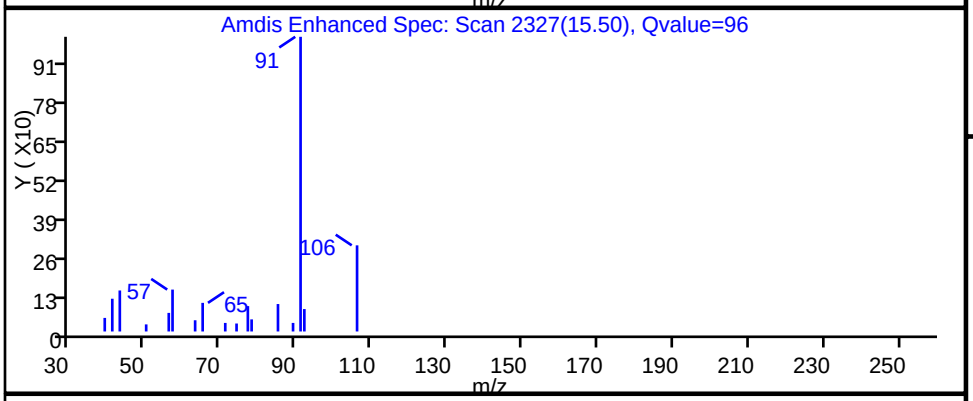
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

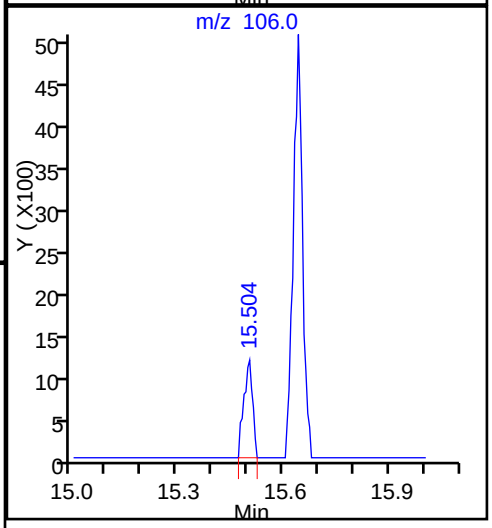
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

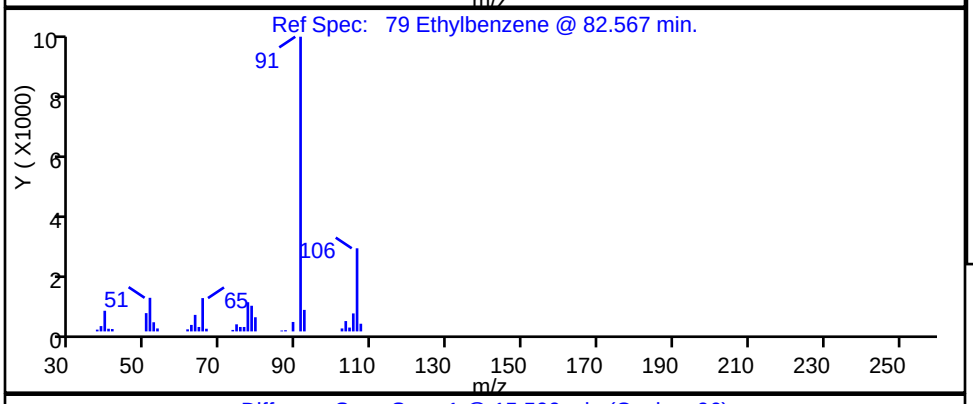
79 Ethylbenzene, CAS: 100-41-4

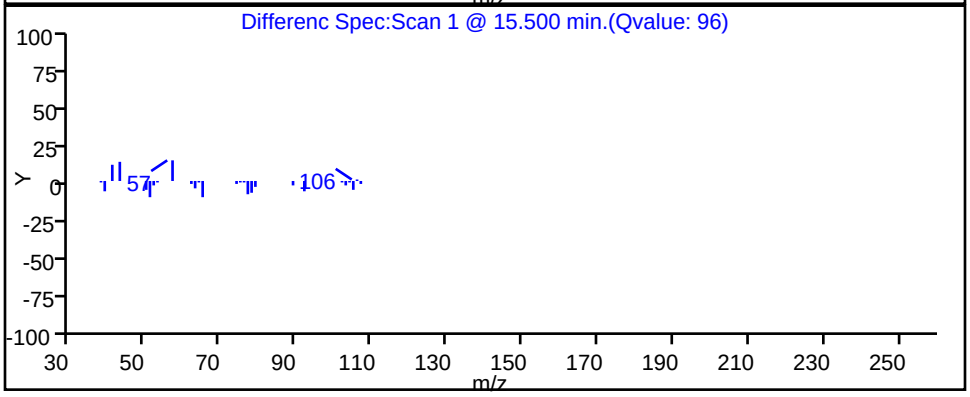










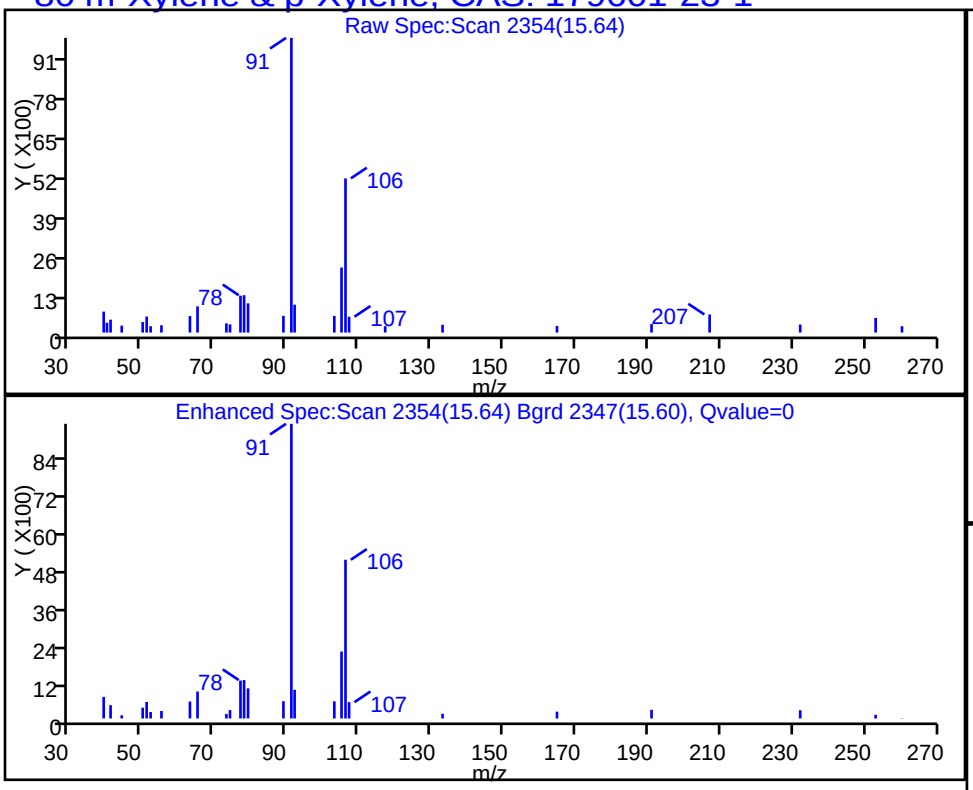


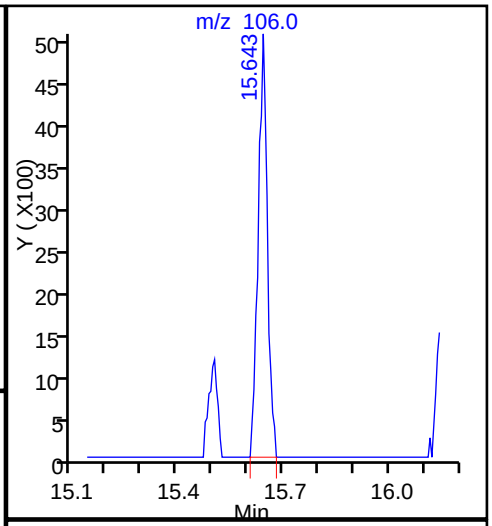
Report Date: 16-Oct-2014 11:44:02 Chrom Revision: 2.2 07-Oct-2014 12:16:06

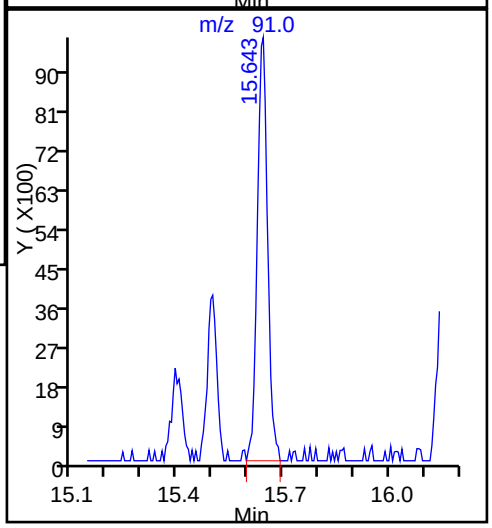
TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1







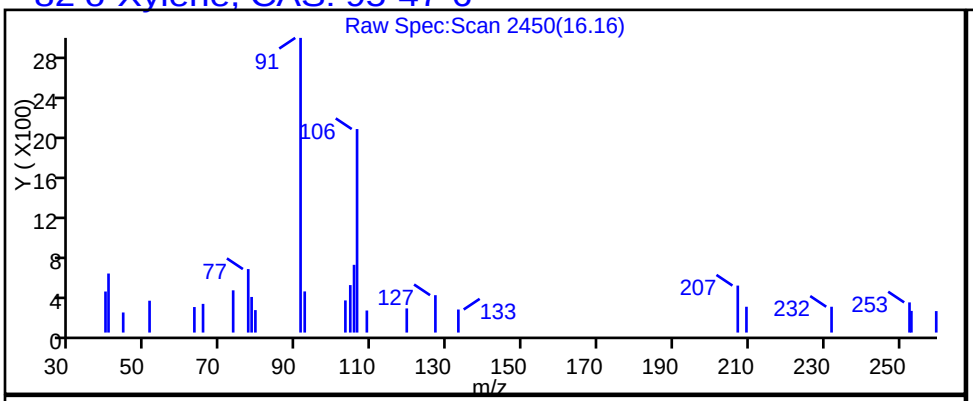
Report Date: 16-Oct-2014 11:44:02 Chrom Revision: 2.2 07-Oct-2014 12:16:06

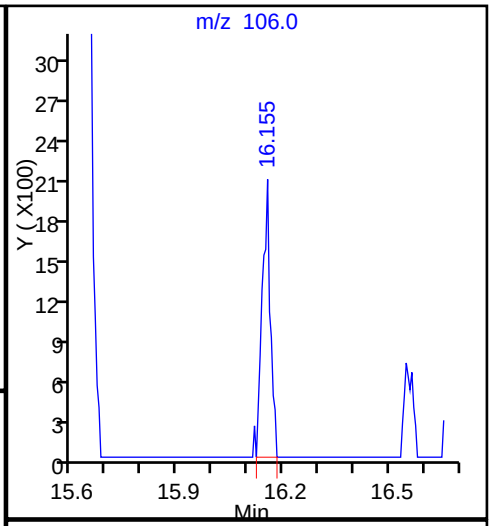
TestAmerica Burlington

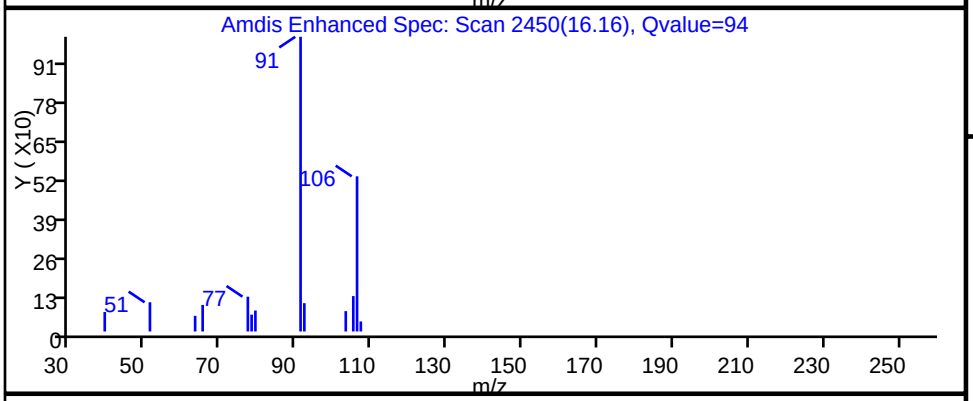
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

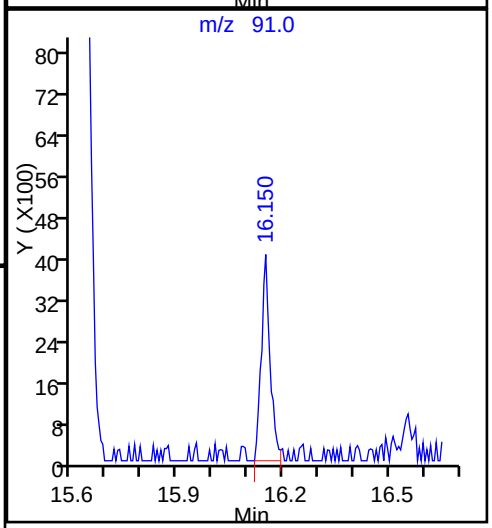
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9		
Client ID:	VP GAC MID				
Operator ID:	pad	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

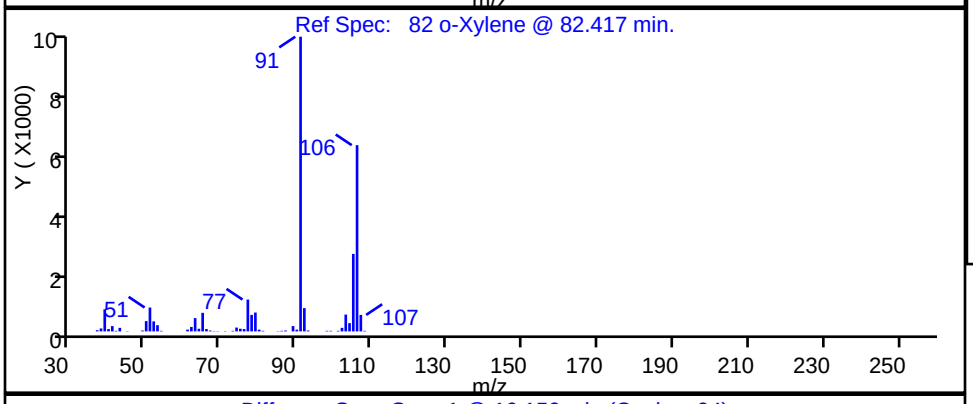
82 o-Xylene, CAS: 95-47-6

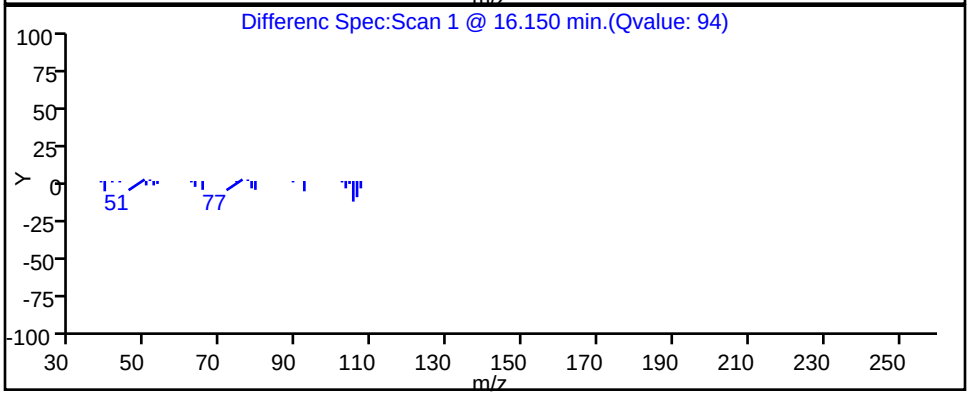












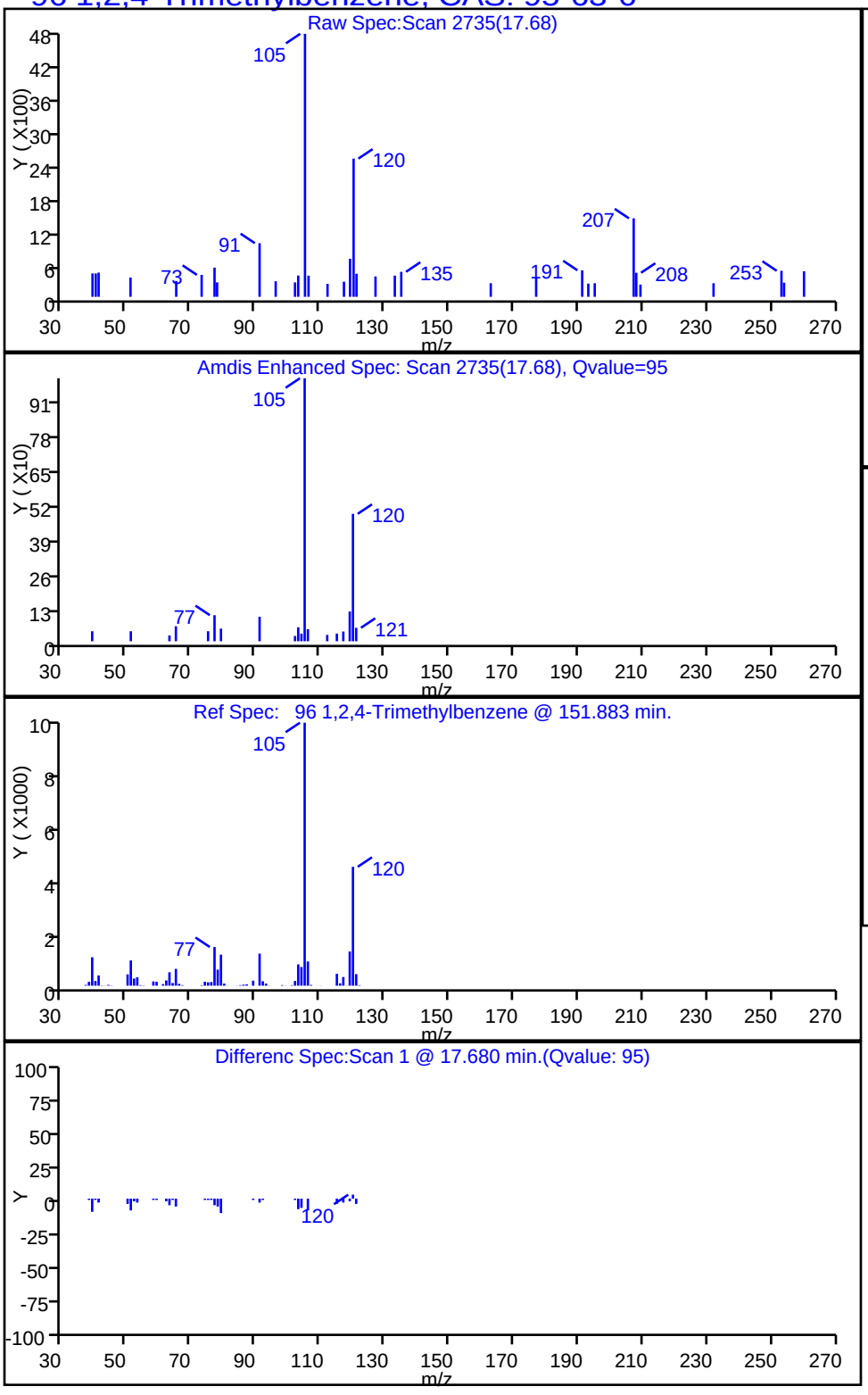
Report Date: 16-Oct-2014 11:44:02 Chrom Revision: 2.2 07-Oct-2014 12:16:06

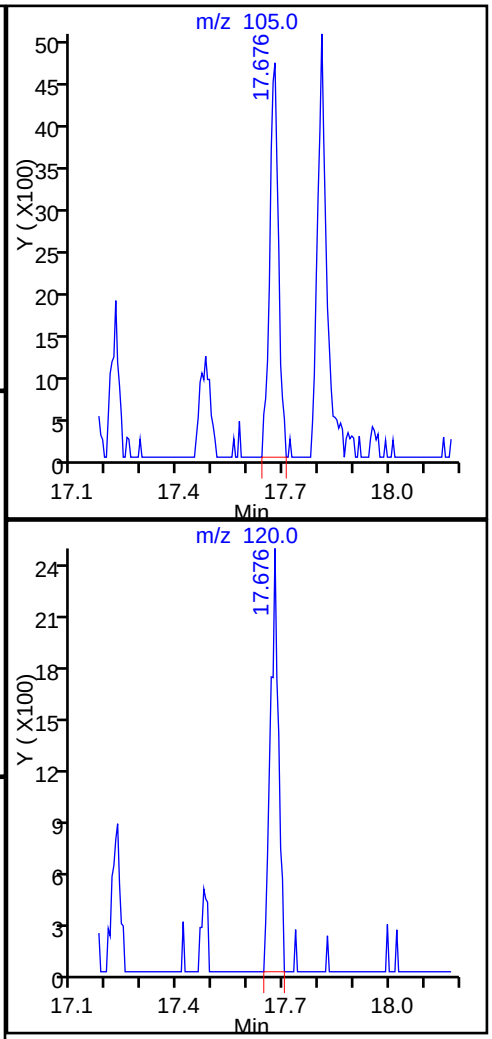
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_14.D

Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CHB.i
Lims ID:	200-24716-A-9	Lab Sample ID:	200-24716-9
Client ID:	VP GAC MID		
Operator ID:	pad	ALS Bottle#:	13 Worklist Smp#: 14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

96 1,2,4-Trimethylbenzene, CAS: 95-63-6





FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: VP GAC POST Lab Sample ID: 200-24716-10

Matrix: Air Lab File ID: 10013_15.D

Analysis Method: TO-15 Date Collected: 10/10/2014 09:27

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 23:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	1.2		0.50	0.056
75-45-6	Freon 22	86.47	0.60		0.50	0.080
76-14-2	Freon-114	170.92	0.20	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.060
106-97-8	n-Butane	58.12	3.9		0.50	0.18
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.026
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.061
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.020
75-69-4	Freon 11	137.37	1.0		0.20	0.045
76-13-1	Freon 113	187.38	0.36		0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.010
67-64-1	Acetone	58.08	5.0	U	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	24		5.0	0.15
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.030
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	10		0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.36		0.20	0.027
110-54-3	Hexane	86.17	0.22		0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.13	J	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.42		0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.78		0.20	0.053
67-66-3	Chloroform	119.38	1.3		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.64	J	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.11	J	0.20	0.030
110-82-7	Cyclohexane	84.16	0.35		0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.092		0.040	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.023
71-43-2	Benzene	78.11	0.091	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.052
142-82-5	Heptane	100.21	0.33		0.20	0.037

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: VP GAC POST Lab Sample ID: 200-24716-10

Matrix: Air Lab File ID: 10013_15.D

Analysis Method: TO-15 Date Collected: 10/10/2014 09:27

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 23:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.030
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.18
108-88-3	Toluene	92.14	0.11	J	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.087	J	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.21	J	0.50	0.025
95-47-6	Xylene, o-	106.17	0.068	J	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.28		0.20	0.041
100-42-5	Styrene	104.15	0.20	U	0.20	0.016
75-25-2	Bromoform	252.75	0.20	U	0.20	0.025
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.059	J	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.019
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.028

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: VP GAC POST Lab Sample ID: 200-24716-10

Matrix: Air Lab File ID: 10013_15.D

Analysis Method: TO-15 Date Collected: 10/10/2014 09:27

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 23:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.034
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.030

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: VP GAC POST Lab Sample ID: 200-24716-10

Matrix: Air Lab File ID: 10013_15.D

Analysis Method: TO-15 Date Collected: 10/10/2014 09:27

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 23:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	6.2		2.5	0.28
75-45-6	Freon 22	86.47	2.1		1.8	0.28
76-14-2	Freon-114	170.92	1.4	U	1.4	0.36
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.12
106-97-8	n-Butane	58.12	9.2		1.2	0.43
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.066
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.17
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.16
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.087
75-69-4	Freon 11	137.37	5.6		1.1	0.25
76-13-1	Freon 113	187.38	2.8		1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.040
67-64-1	Acetone	58.08	12	U	12	1.6
67-63-0	Isopropyl alcohol	60.10	58		12	0.37
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.093
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	36		1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	1.4		0.79	0.11
110-54-3	Hexane	86.17	0.78		0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.54	J	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	1.7		0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	3.1		0.79	0.21
67-66-3	Chloroform	119.38	6.4		0.98	0.19
109-99-9	Tetrahydrofuran	72.11	1.9	J	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.59	J	1.1	0.16
110-82-7	Cyclohexane	84.16	1.2		0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.58		0.25	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.11
71-43-2	Benzene	78.11	0.29	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.21
142-82-5	Heptane	100.21	1.3		0.82	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: VP GAC POST Lab Sample ID: 200-24716-10

Matrix: Air Lab File ID: 10013_15.D

Analysis Method: TO-15 Date Collected: 10/10/2014 09:27

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 23:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.16
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	18	U	18	0.58
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.74
108-88-3	Toluene	92.14	0.42	J	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.38	J	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.93	J	2.2	0.11
95-47-6	Xylene, o-	106.17	0.29	J	0.87	0.078
1330-20-7	Xylene (total)	106.17	1.2		0.87	0.18
100-42-5	Styrene	104.15	0.85	U	0.85	0.068
75-25-2	Bromoform	252.75	2.1	U	2.1	0.26
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.29	J	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.11
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: VP GAC POST Lab Sample ID: 200-24716-10

Matrix: Air Lab File ID: 10013_15.D

Analysis Method: TO-15 Date Collected: 10/10/2014 09:27

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 23:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.25
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.38
91-20-3	Naphthalene	128.17	2.6	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D
Lims ID: 200-24716-A-10 Lab Sample ID: 200-24716-10
Client ID: VP GAC POST
Sample Type: Client
Inject. Date: 15-Oct-2014 23:14:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010013-015
Misc. Info.: 24716-10
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 16-Oct-2014 11:43:38 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 16-Oct-2014 11:30:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.229	3.224	0.005	99	145152	1.24	
6 Chlorodifluoromethane	51	3.266	3.266	0.000	95	28519	0.6036	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.453				ND	
8 Chloromethane	50		3.592				ND	
9 Butane	43	3.773	3.773	0.000	94	116341	3.89	
10 Vinyl chloride	62		3.816				ND	
11 Butadiene	54		3.880				ND	
12 Bromomethane	94		4.595				ND	
14 Chloroethane	64		4.841				ND	
16 Vinyl bromide	106		5.257				ND	
17 Trichlorofluoromethane	101	5.353	5.353	0.000	98	134463	1.00	
23 1,1,2-Trichloro-1,2,2-trif	101	6.399	6.399	0.000	93	29194	0.3606	
24 1,1-Dichloroethene	96		6.479				ND	
25 Acetone	43		6.655				ND	
26 Isopropyl alcohol	45	6.858	6.858	0.000	96	780632	23.5	
27 Carbon disulfide	76		6.912				ND	
29 3-Chloro-1-propene	41		7.200				ND	
31 Methylene Chloride	49	7.467	7.467	0.000	79	290427	10.3	
32 2-Methyl-2-propanol	59		7.568				ND	
33 Methyl tert-butyl ether	73		7.798				ND	
34 trans-1,2-Dichloroethene	61	7.862	7.867	-0.005	87	15892	0.3582	
36 Hexane	57	8.187	8.182	0.005	80	8262	0.2205	
37 1,1-Dichloroethane	63	8.619	8.625	-0.006	94	7402	0.1329	
* 44 Chlorobromomethane	128	9.906	9.906	0.000	67	402222	10.0	
39 cis-1,2-Dichloroethene	96	9.527	9.532	-0.005	94	16880	0.4242	
40 2-Butanone (MEK)	72		9.532				ND	
43 Tetrahydrofuran	42	9.906	9.906	0.000	32	14008	0.6359	
45 Chloroform	83	9.975	9.975	0.000	98	116651	1.31	
S 42 1,2-Dichloroethene, Total	61				0		0.7824	
47 1,1,1-Trichloroethane	97	10.231	10.226	0.005	66	11705	0.1074	
46 Cyclohexane	84	10.215	10.226	-0.011	81	17349	0.3535	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	10.423	10.423	0.000	97	11056	0.0918	
49 Isooctane	57		10.695				ND	
50 Benzene	78	10.759	10.760	-0.001	94	9396	0.0908	
51 1,2-Dichloroethane	62		10.877				ND	
52 n-Heptane	43	10.946	10.941	0.005	77	12217	0.3258	
* 54 1,4-Difluorobenzene	114	11.304	11.304	0.000	92	1931890	10.0	
57 Trichloroethene	95		11.667				ND	
58 1,2-Dichloropropane	63		12.056				ND	
59 Methyl methacrylate	69		12.078				ND	
60 1,4-Dioxane	88		12.174				ND	
62 Dichlorobromomethane	83		12.409				ND	
64 cis-1,3-Dichloropropene	75		13.038				ND	
65 4-Methyl-2-pentanone (MIBK	43		13.188				ND	
68 Toluene	92	13.460	13.460	0.000	96	9361	0.1104	
70 trans-1,3-Dichloropropene	75		13.834				ND	
71 1,1,2-Trichloroethane	83		14.106				ND	
72 Tetrachloroethene	166		14.223				ND	
73 2-Hexanone	43		14.357				ND	
74 Chlorodibromomethane	129		14.650				ND	
75 Ethylene Dibromide	107		14.853				ND	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	84	1685478	10.0	
77 Chlorobenzene	112		15.435				ND	
79 Ethylbenzene	91	15.499	15.499	0.000	97	17925	0.0871	
80 m-Xylene & p-Xylene	106	15.637	15.643	-0.006	0	18418	0.2140	
S 81 Xylenes, Total	106				0		0.2817	
82 o-Xylene	106	16.150	16.150	0.000	96	5706	0.0678	
83 Styrene	104		16.176				ND	
84 Bromoform	173		16.470				ND	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	91	1269521	NC	
87 1,1,2,2-Tetrachloroethane	83		16.972				ND	
88 N-Propylbenzene	91		17.030				ND	
91 4-Ethyltoluene	105		17.153				ND	
92 2-Chlorotoluene	91		17.201				ND	
93 1,3,5-Trimethylbenzene	105		17.223				ND	
95 tert-Butylbenzene	119		17.601				ND	
96 1,2,4-Trimethylbenzene	105	17.676	17.676	0.000	97	13580	0.0590	
97 sec-Butylbenzene	105		17.863				ND	
98 4-Isopropyltoluene	119		18.018				ND	
99 1,3-Dichlorobenzene	146		18.103				ND	
100 1,4-Dichlorobenzene	146		18.215				ND	
101 Benzyl chloride	91		18.381				ND	
103 n-Butylbenzene	91		18.535				ND	
104 1,2-Dichlorobenzene	146		18.717				ND	
107 1,2,4-Trichlorobenzene	180		21.140				ND	
108 Hexachlorobutadiene	225		21.300				ND	
109 Naphthalene	128		21.652				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

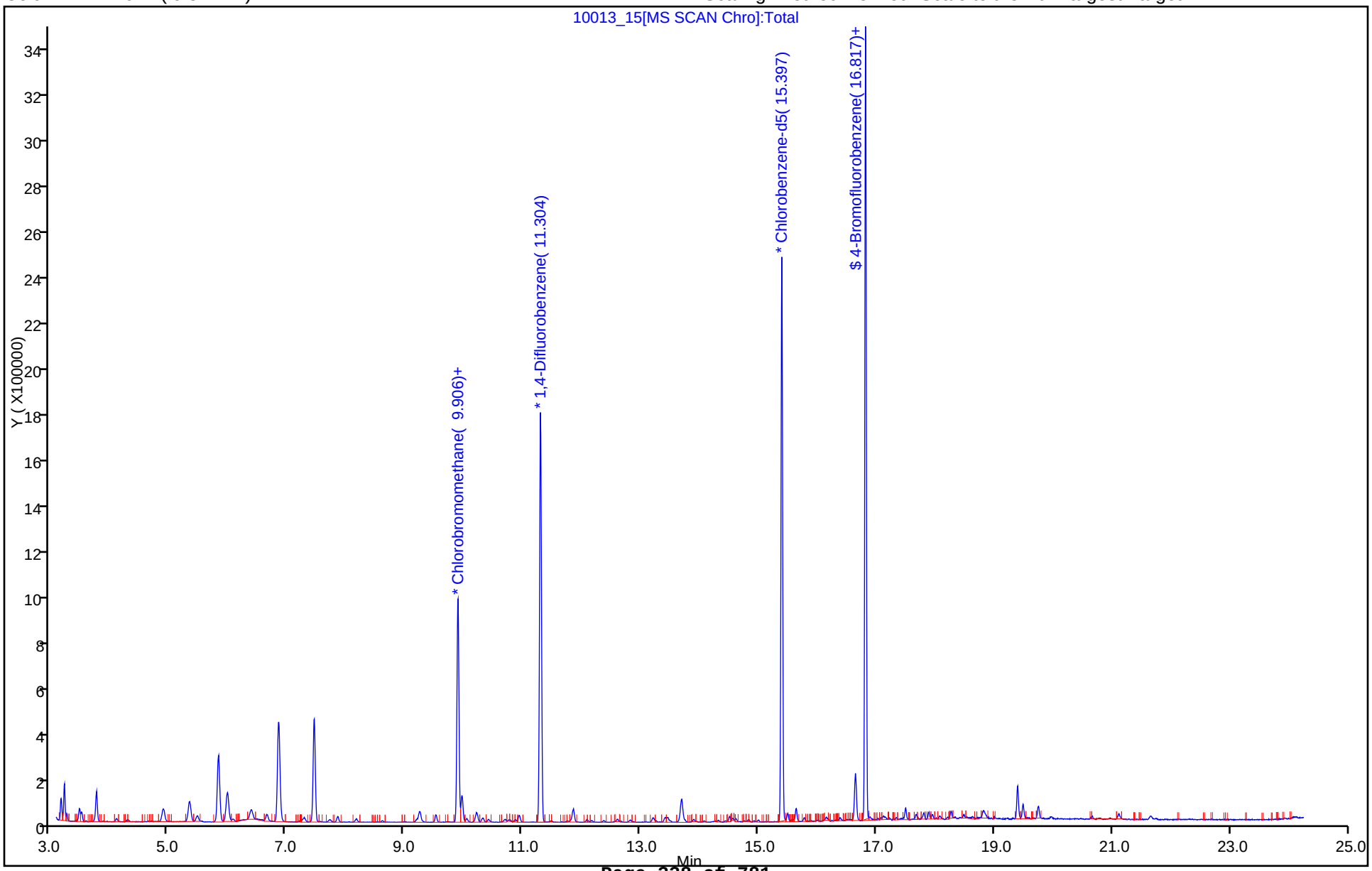
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10	Worklist Smp#:	15
Client ID:	VP GAC POST				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



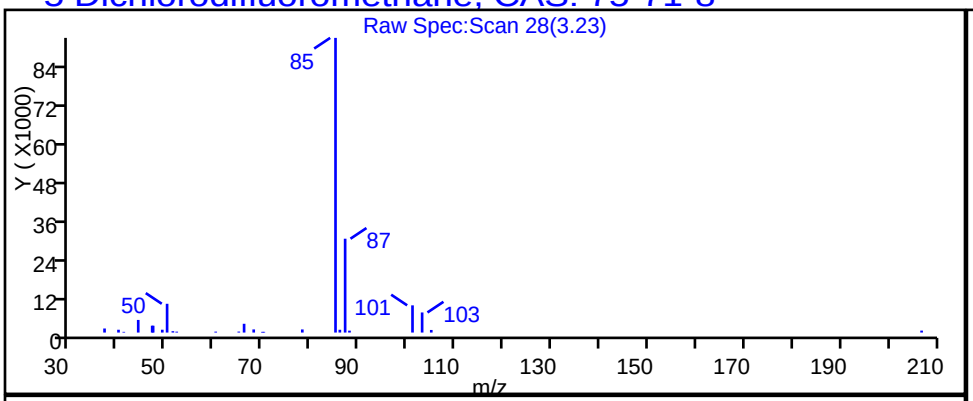
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

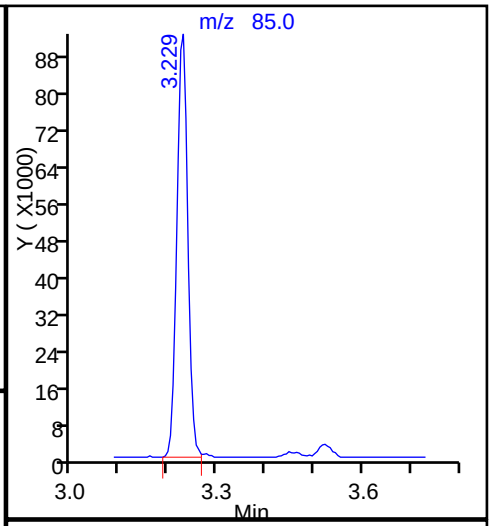
TestAmerica Burlington

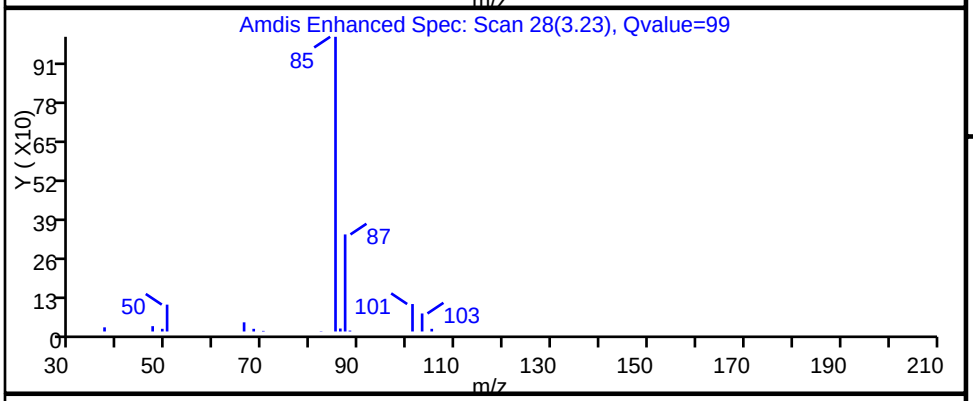
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

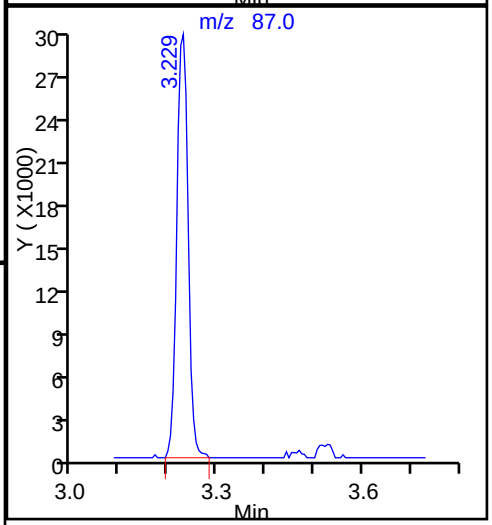
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

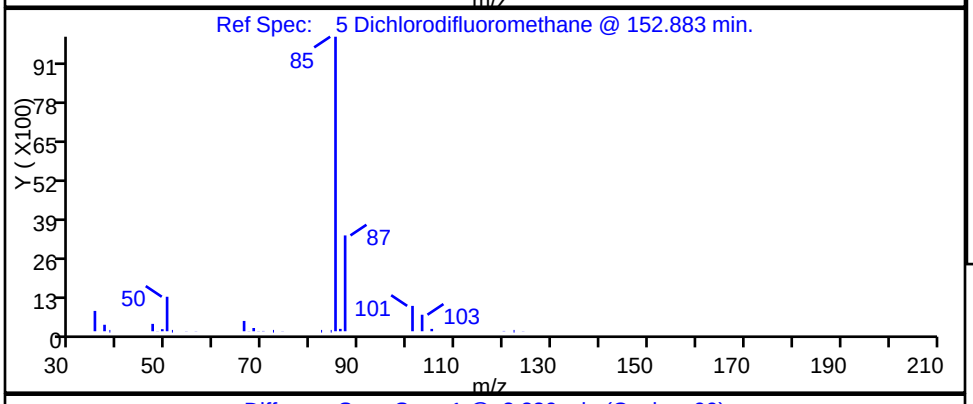
5 Dichlorodifluoromethane, CAS: 75-71-8

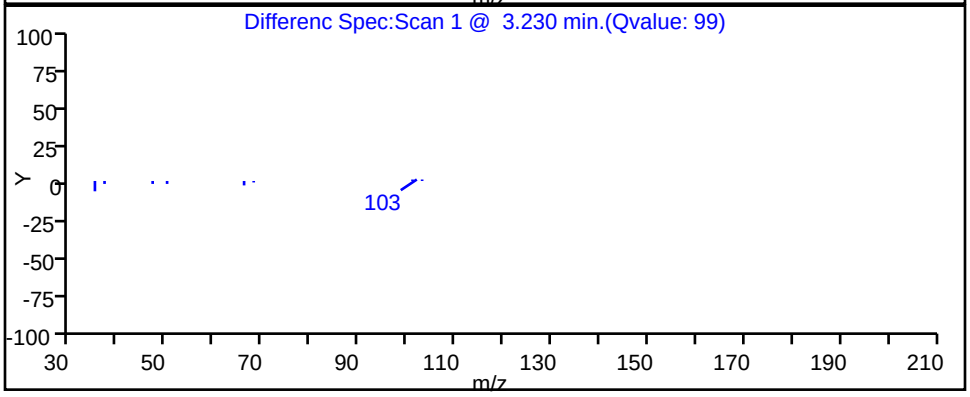












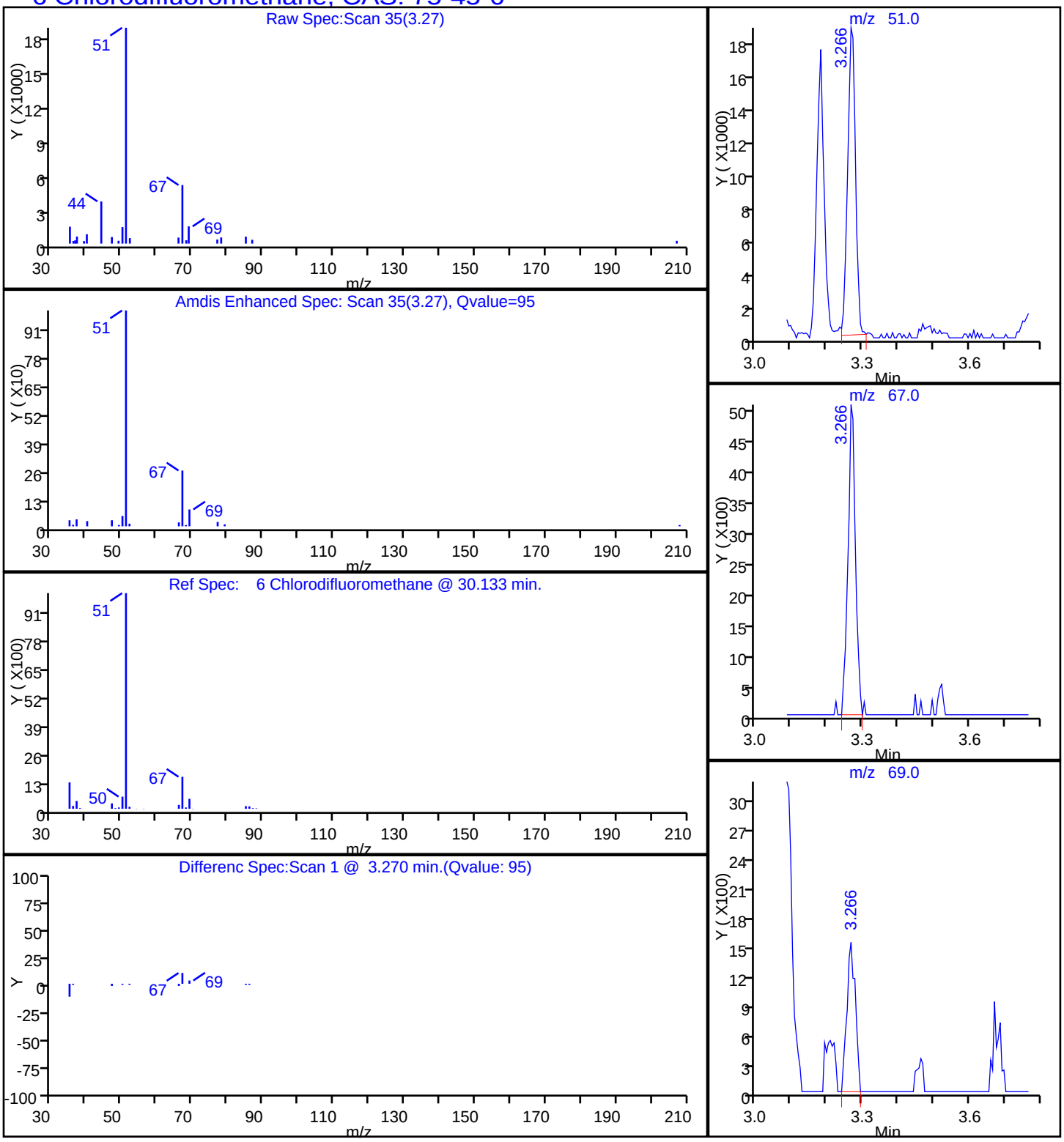
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



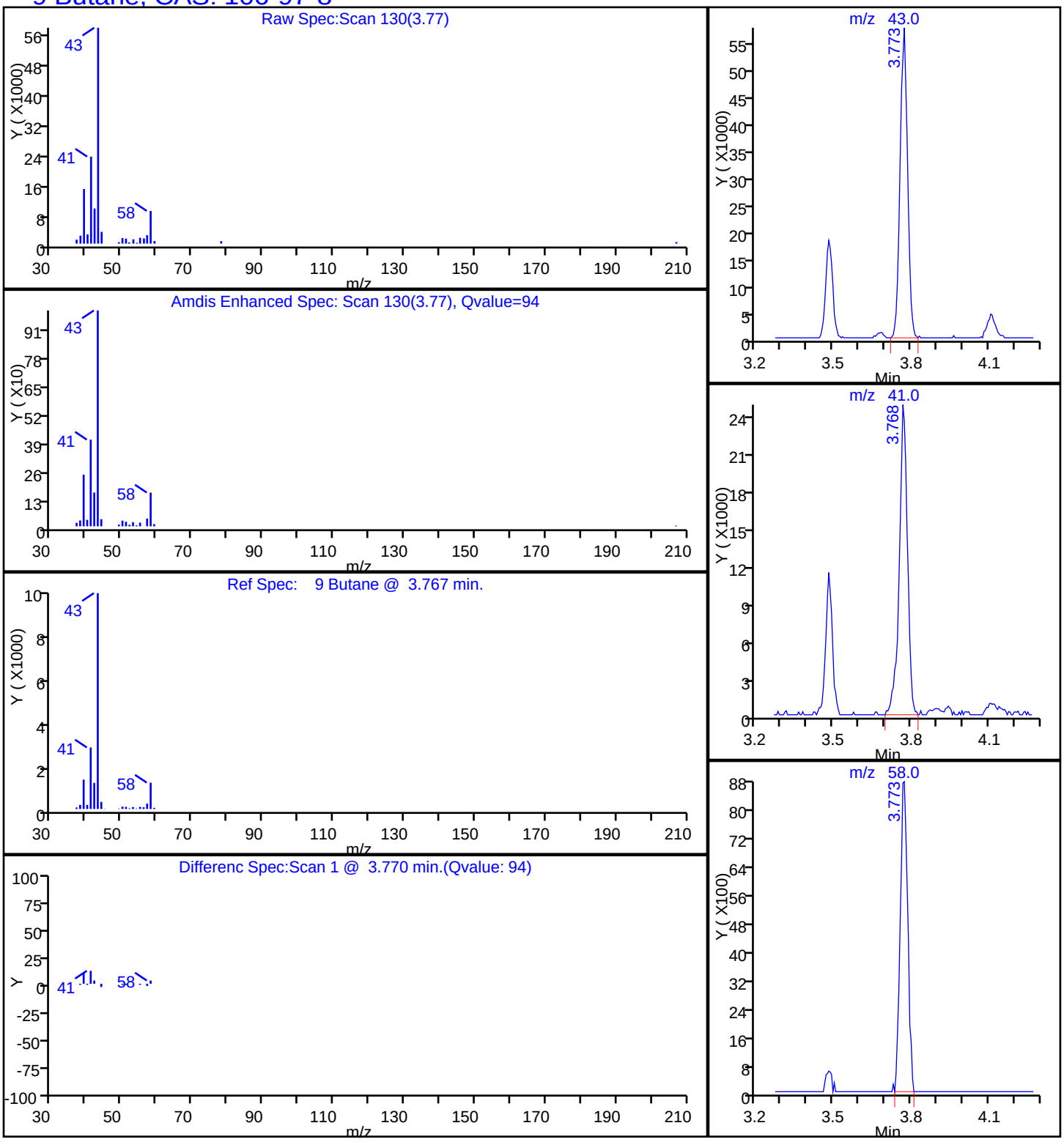
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



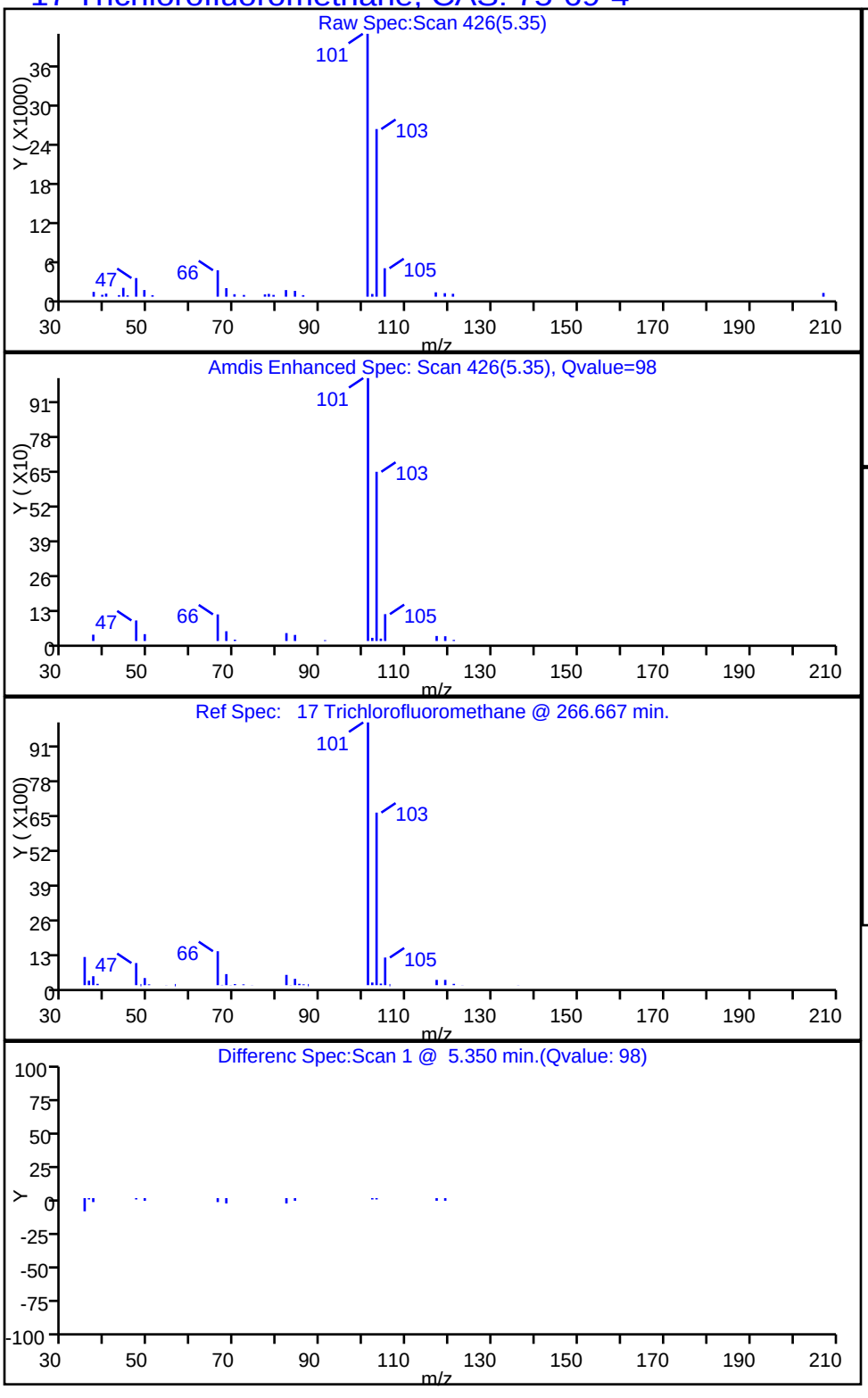
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

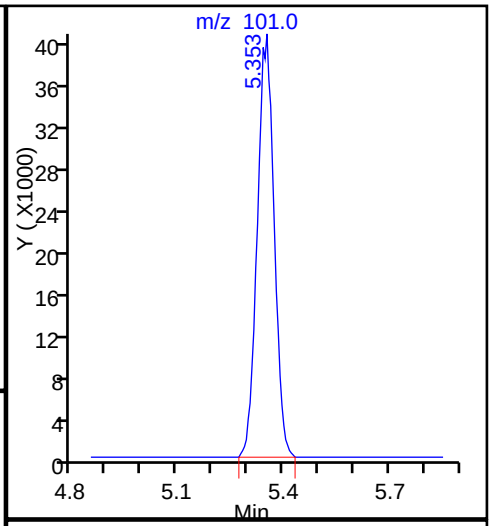
TestAmerica Burlington

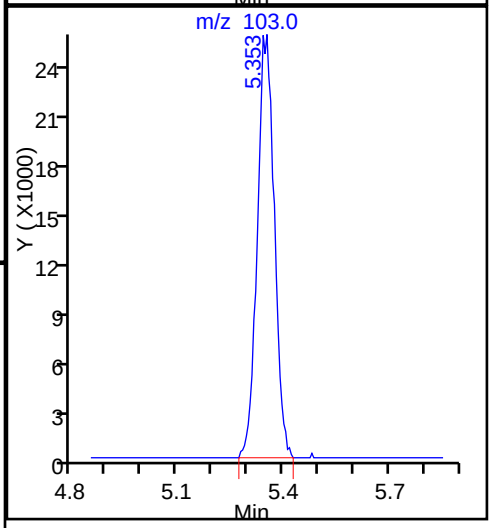
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

17 Trichlorofluoromethane, CAS: 75-69-4







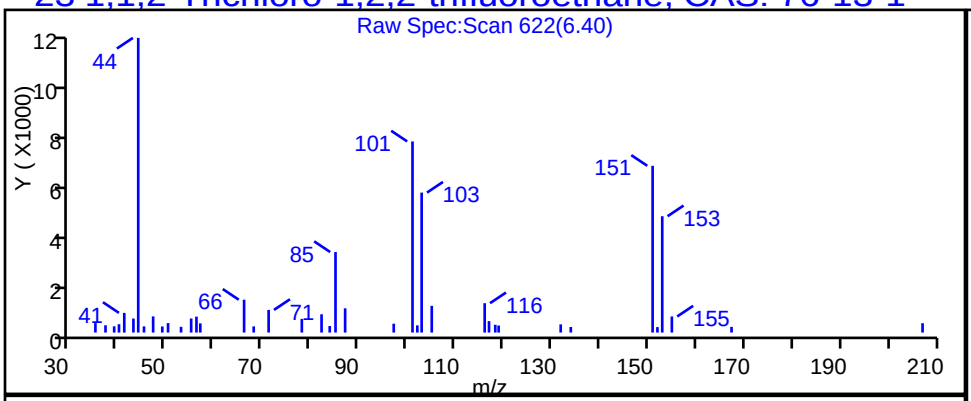
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

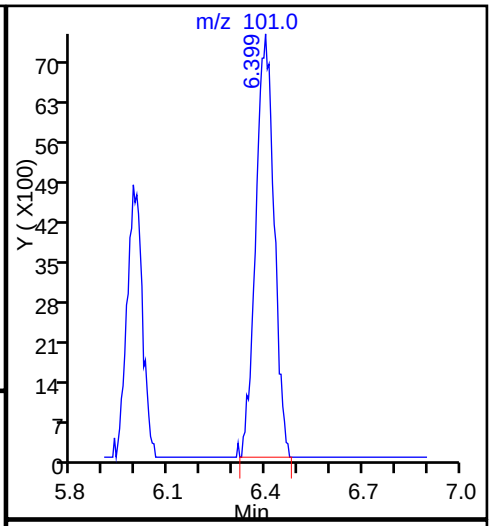
TestAmerica Burlington

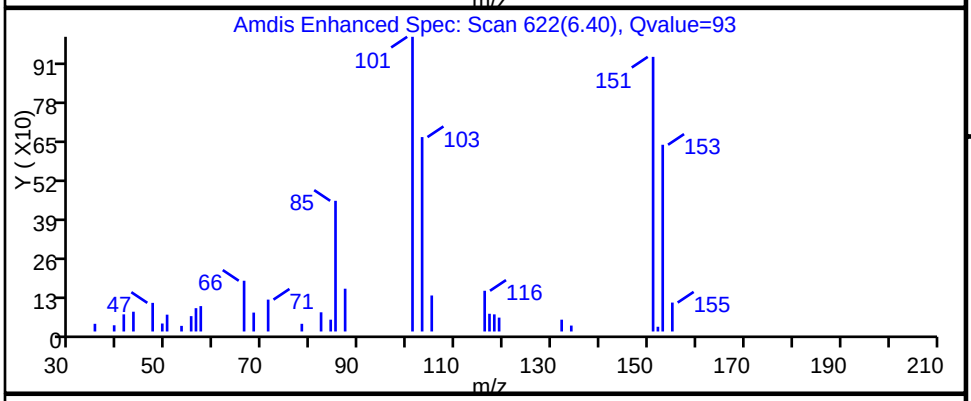
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

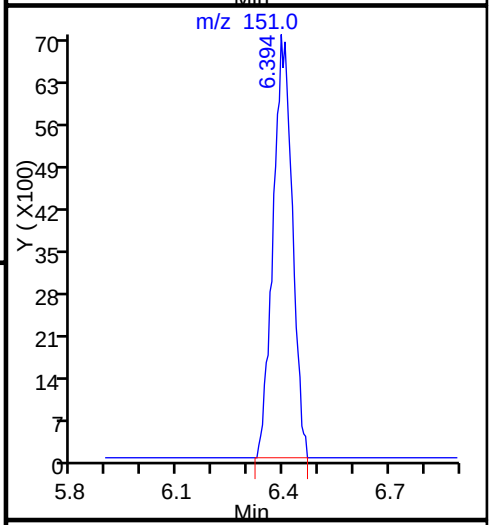
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

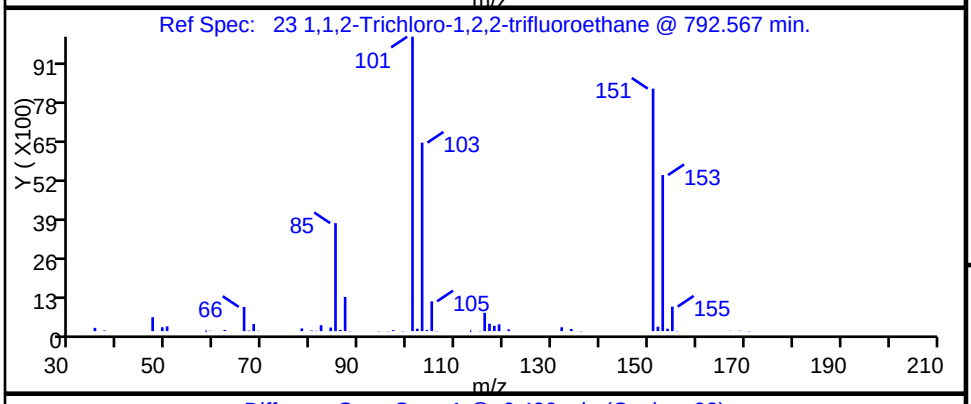
23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

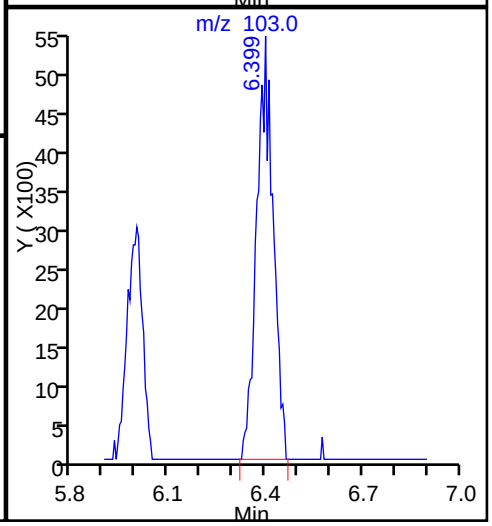


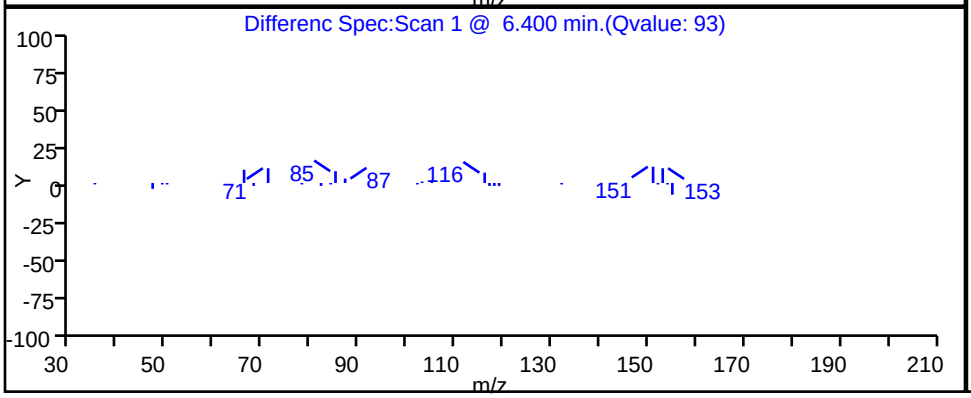












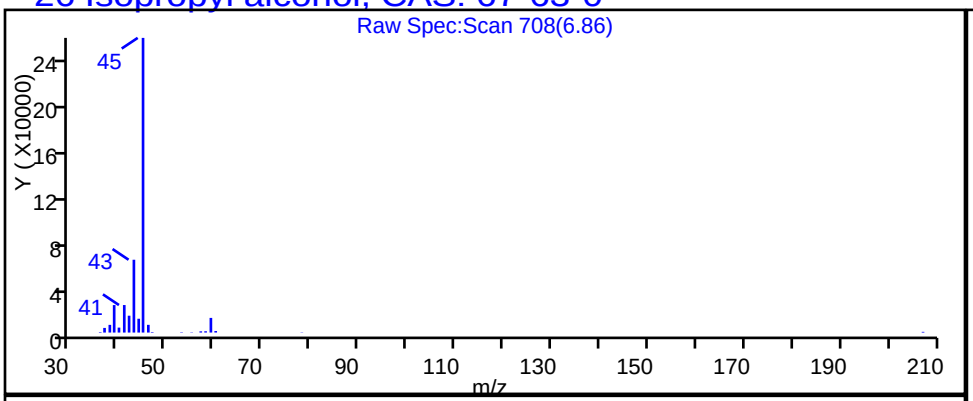
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

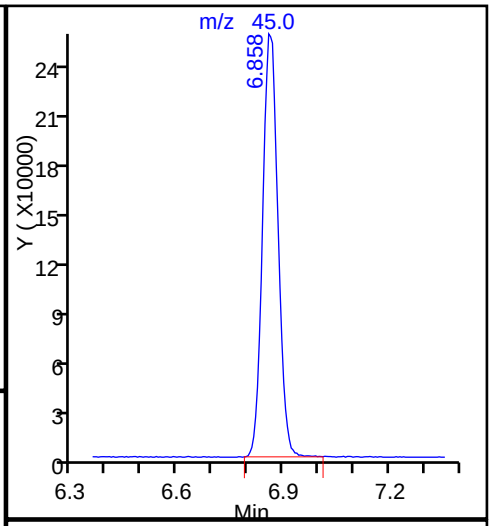
TestAmerica Burlington

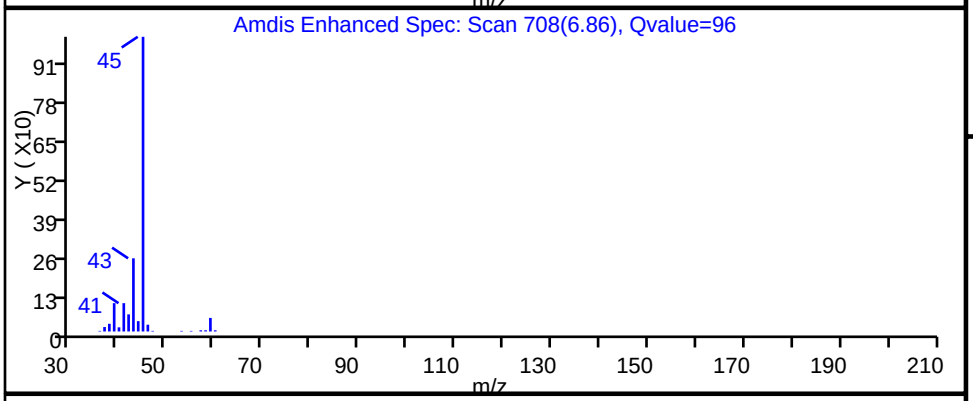
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

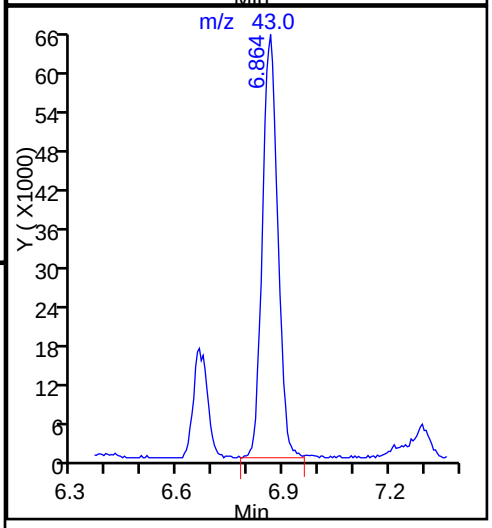
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

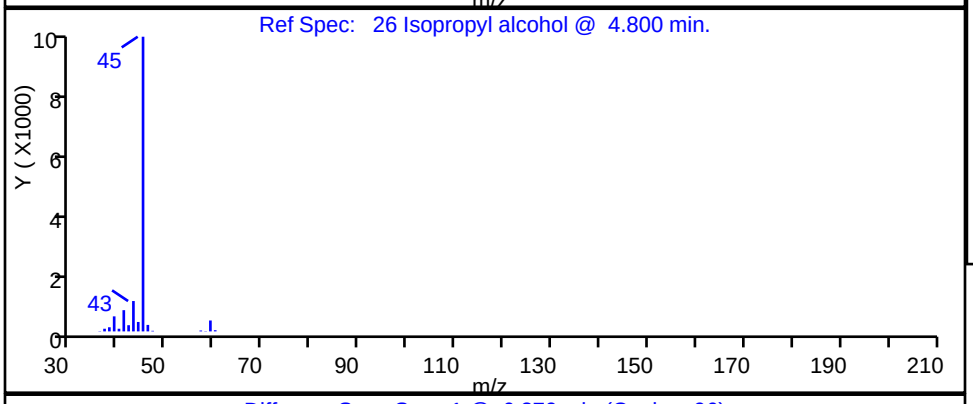
26 Isopropyl alcohol, CAS: 67-63-0

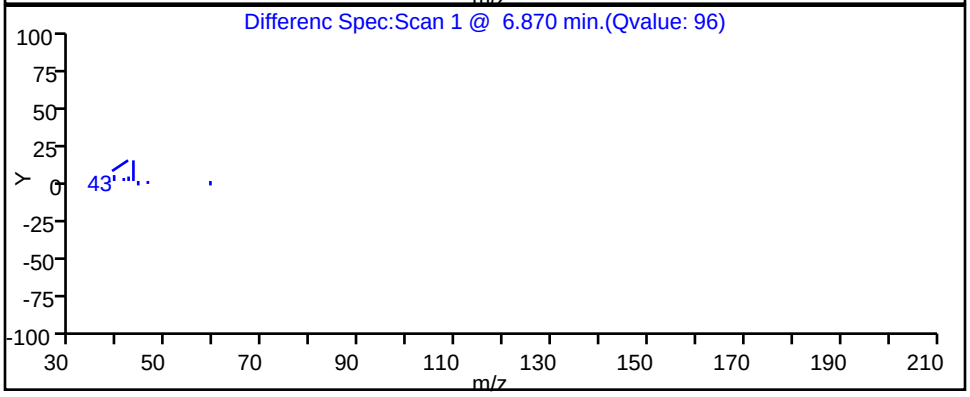












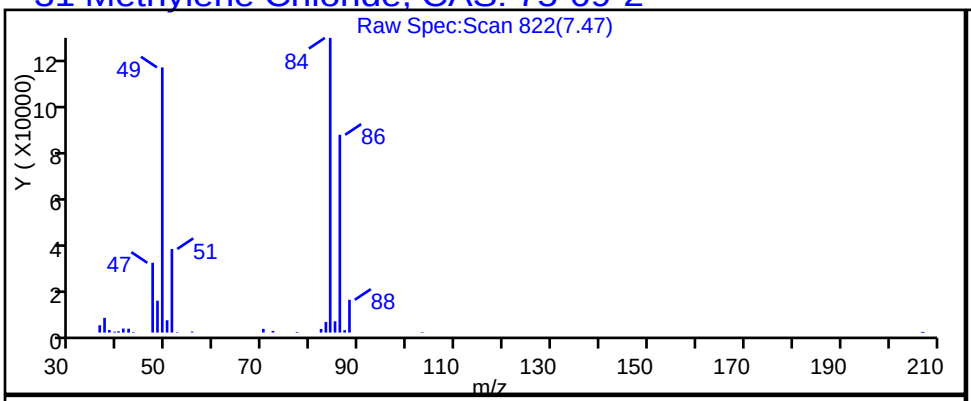
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

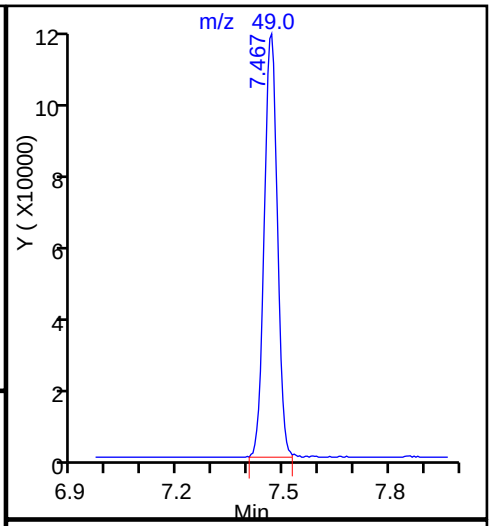
TestAmerica Burlington

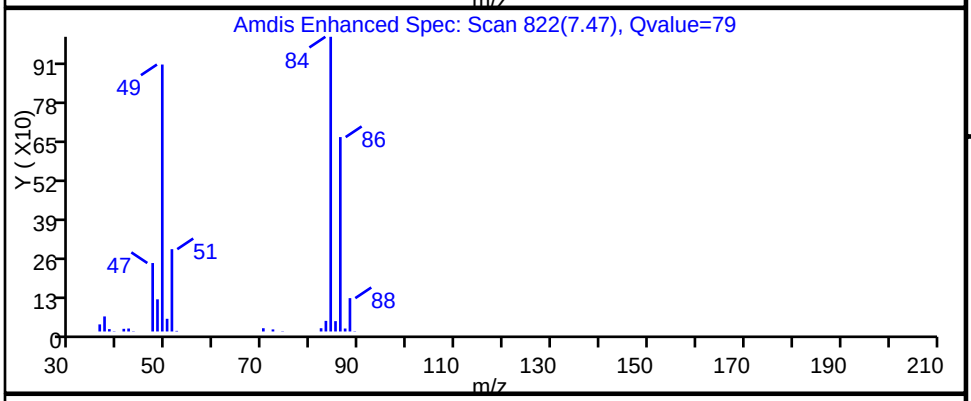
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

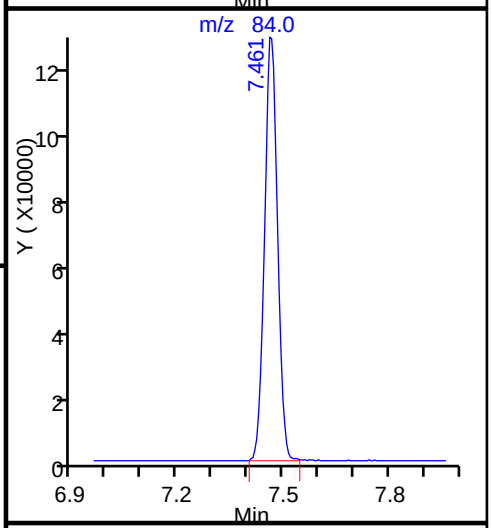
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

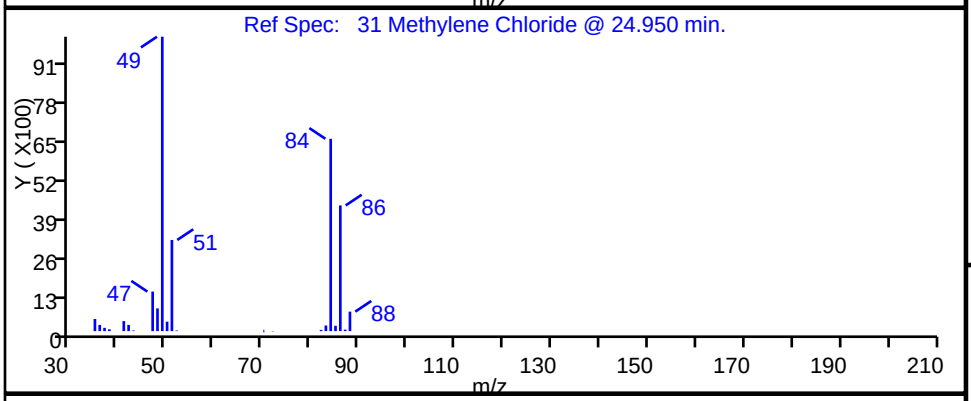
31 Methylene Chloride, CAS: 75-09-2

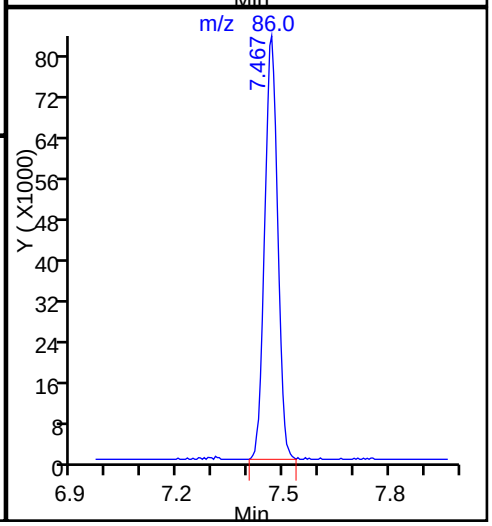


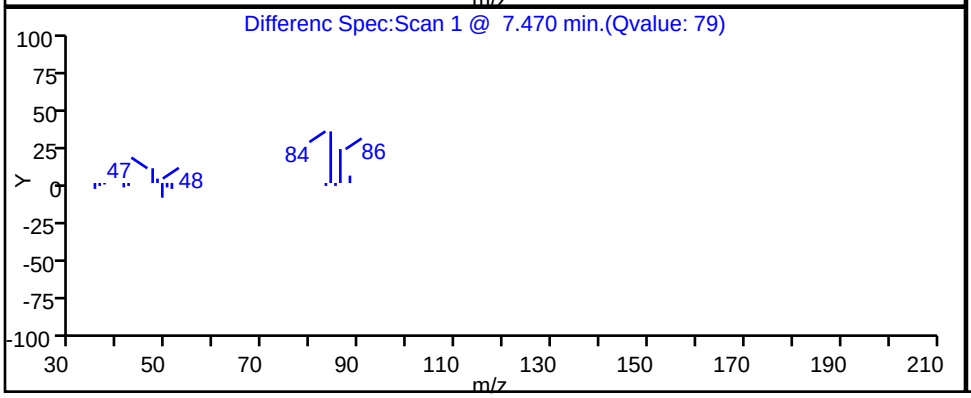












Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
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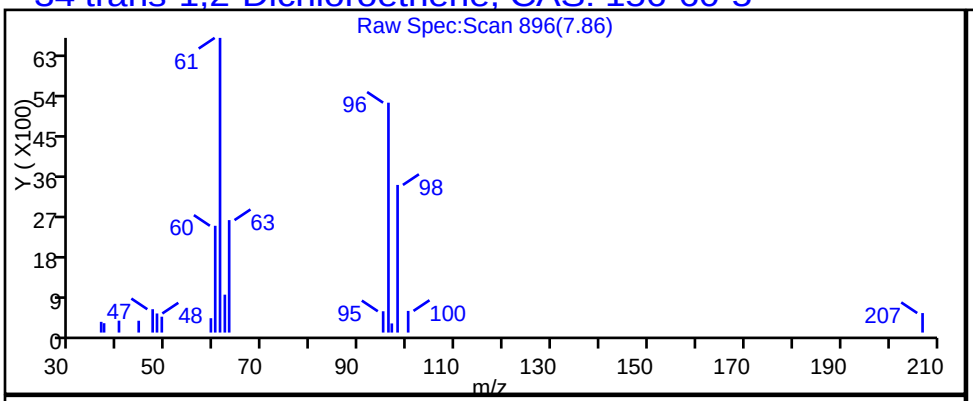
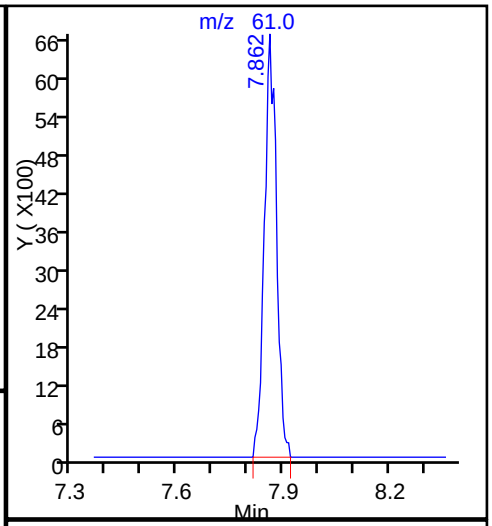
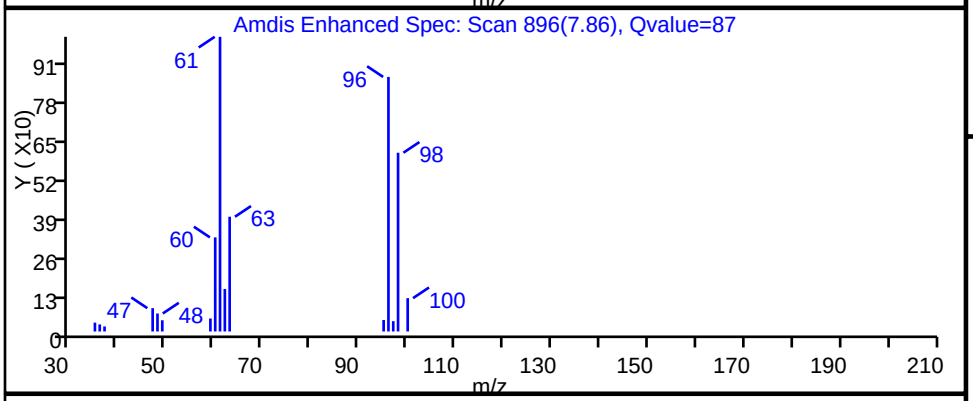
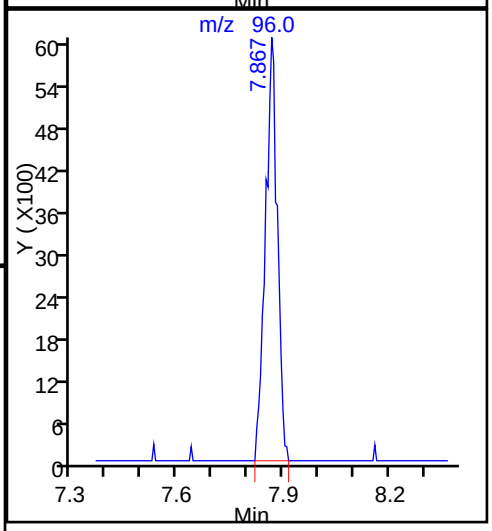
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

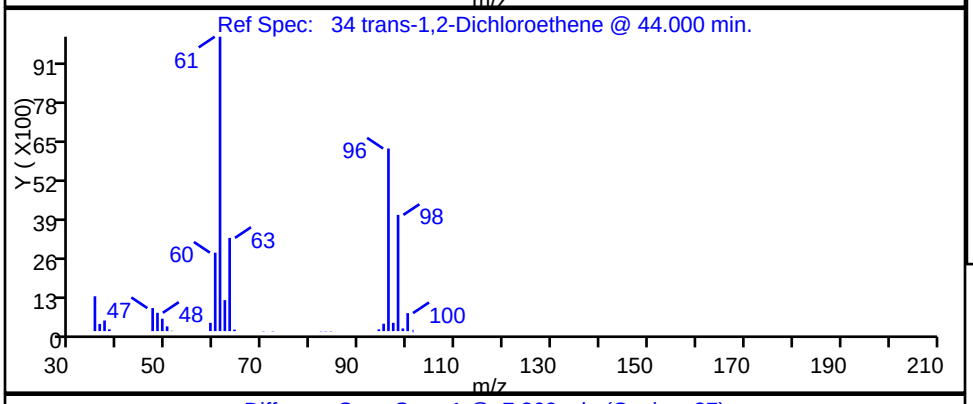
34 trans-1,2-Dichloroethene, CAS: 156-60-5

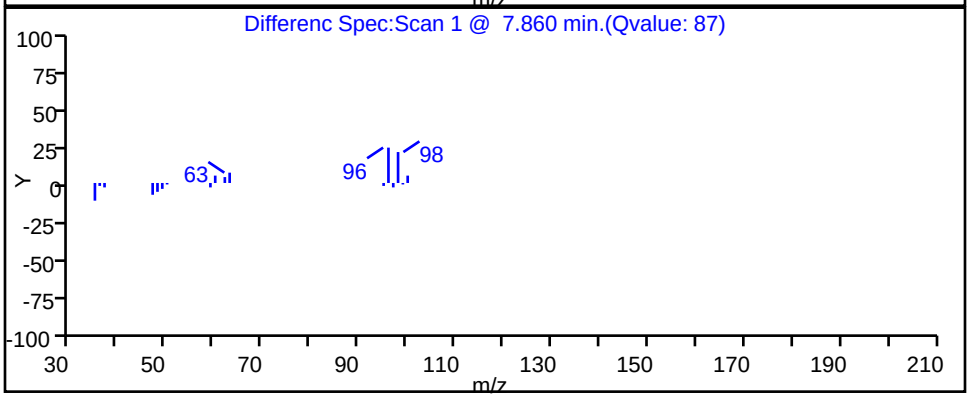












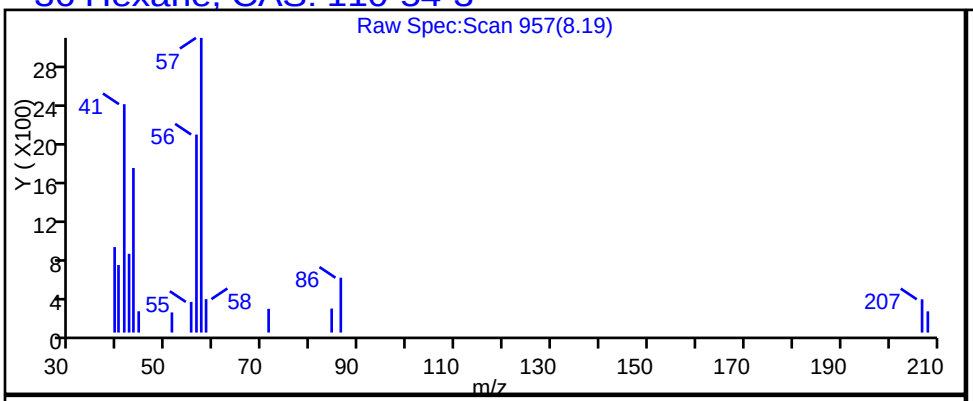
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

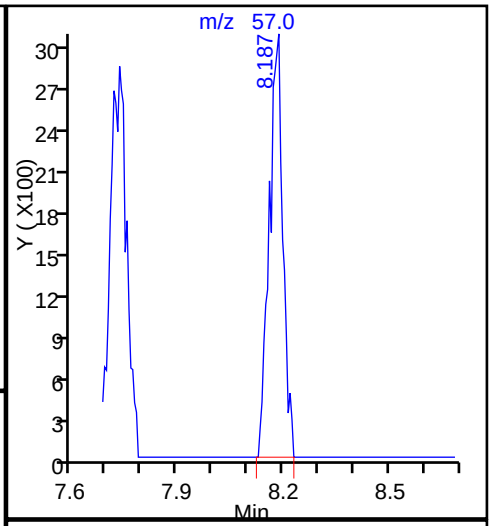
TestAmerica Burlington

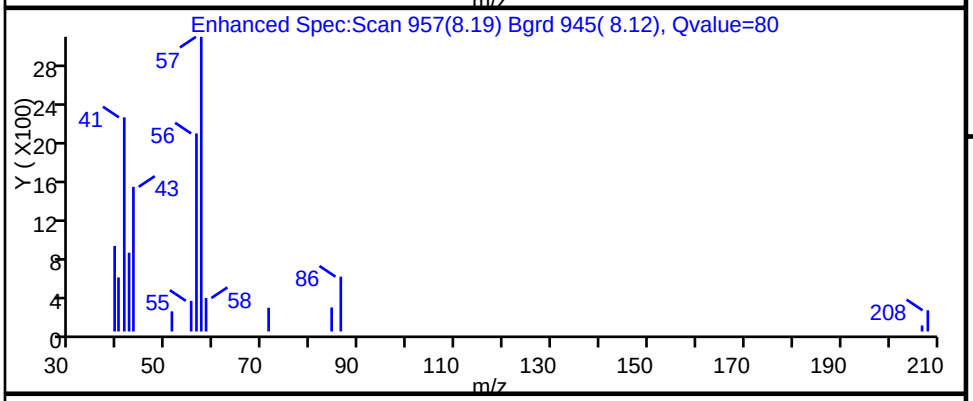
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

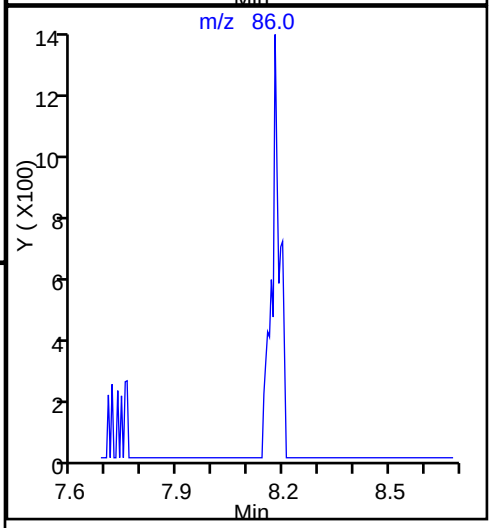
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

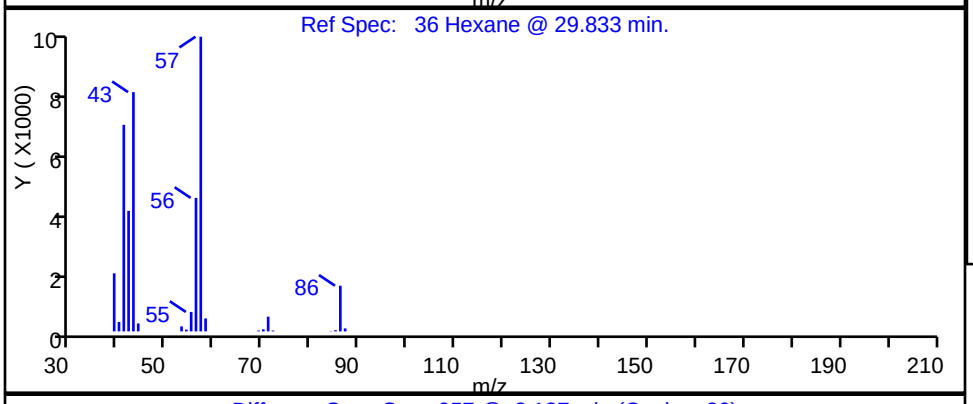
36 Hexane, CAS: 110-54-3

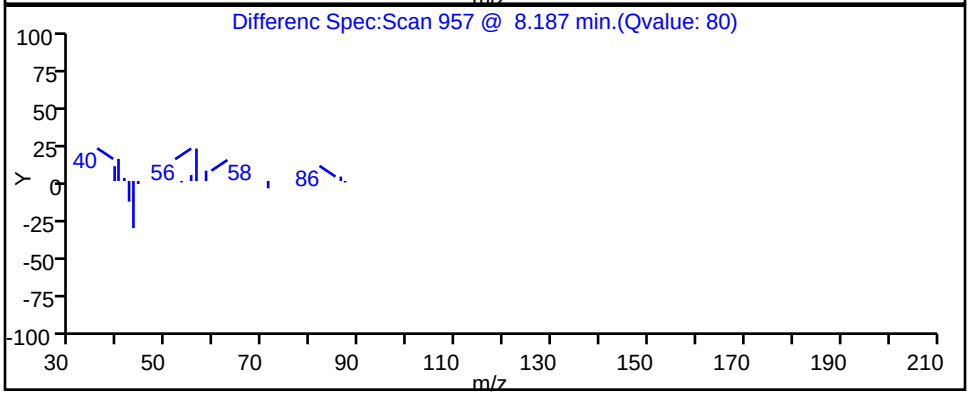












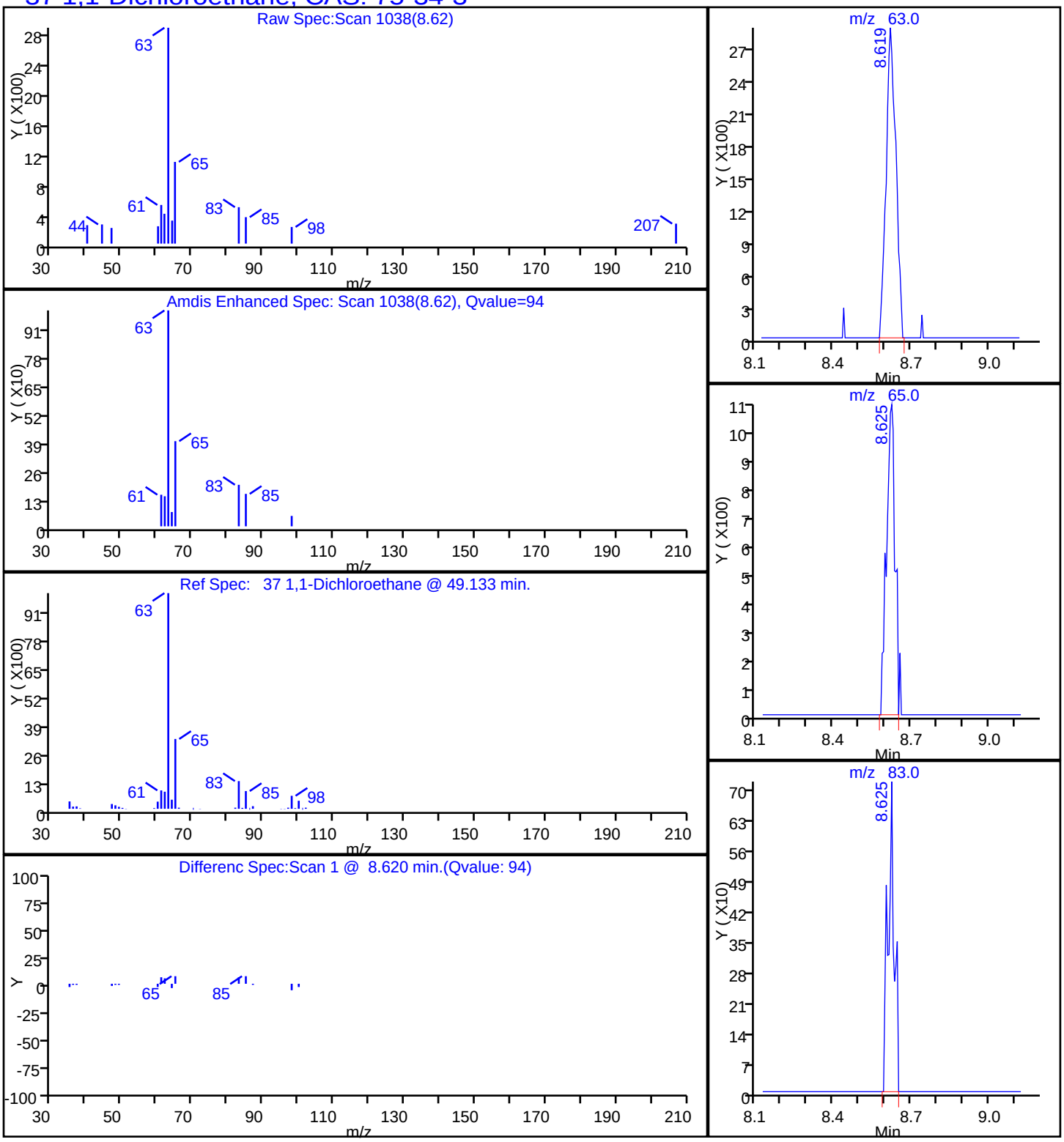
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



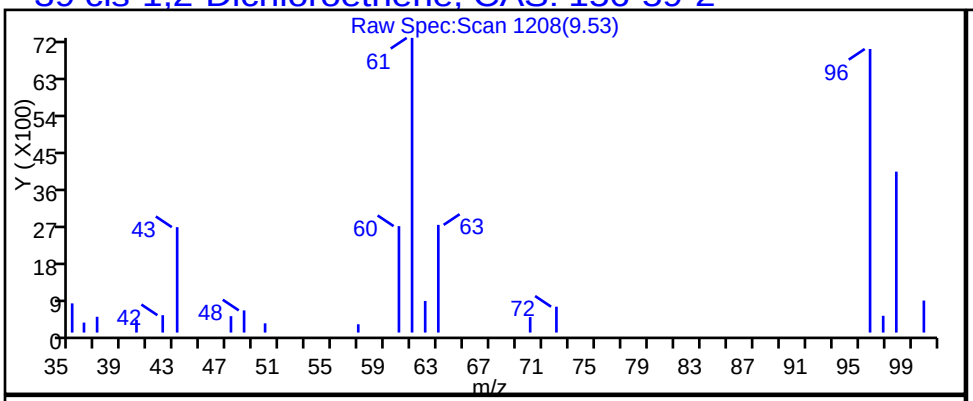
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

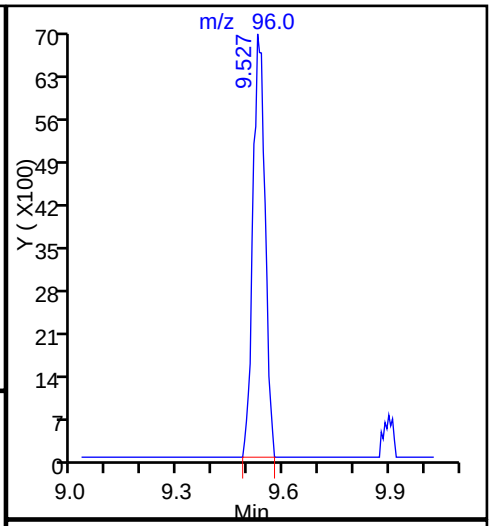
TestAmerica Burlington

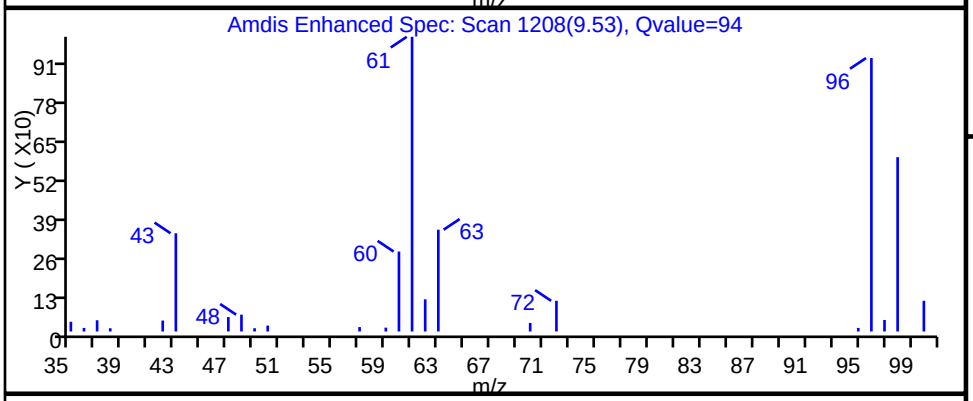
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

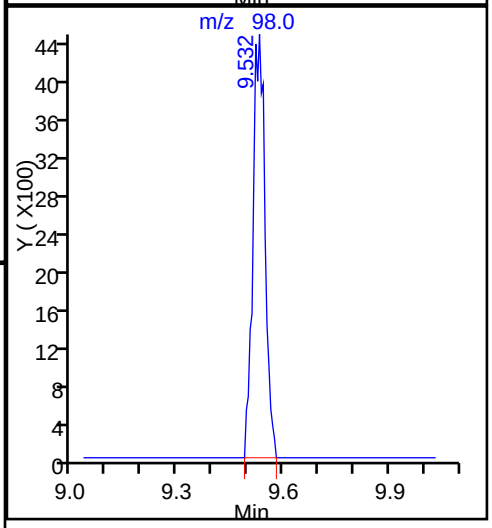
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

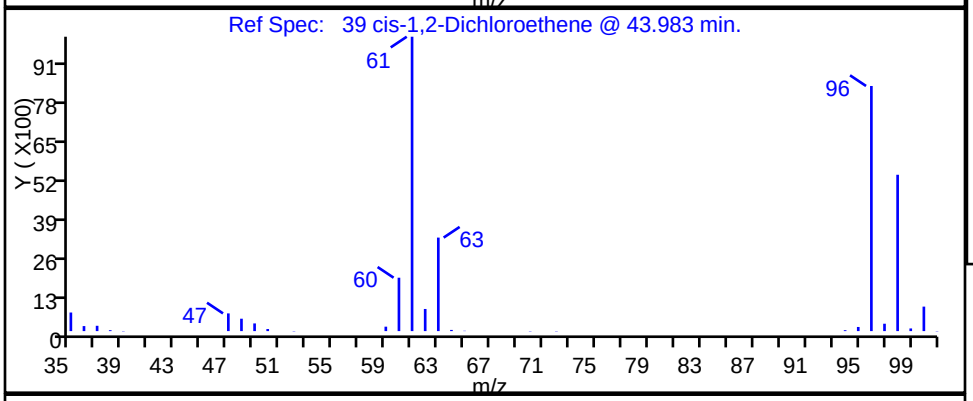
39 cis-1,2-Dichloroethene, CAS: 156-59-2

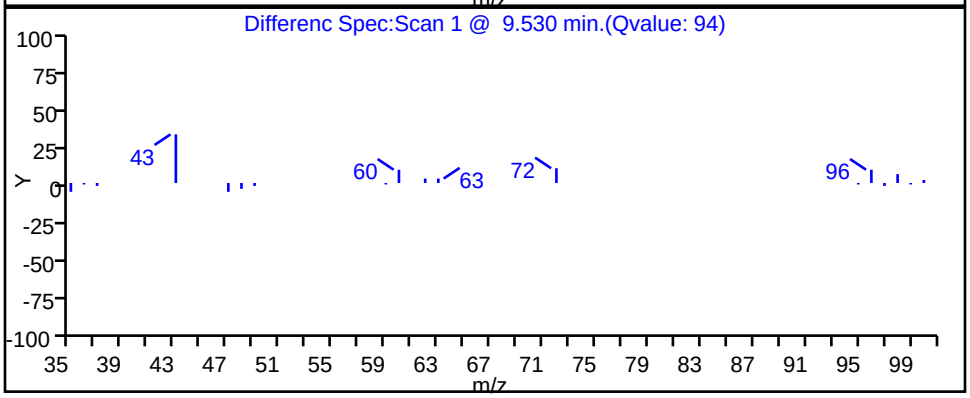












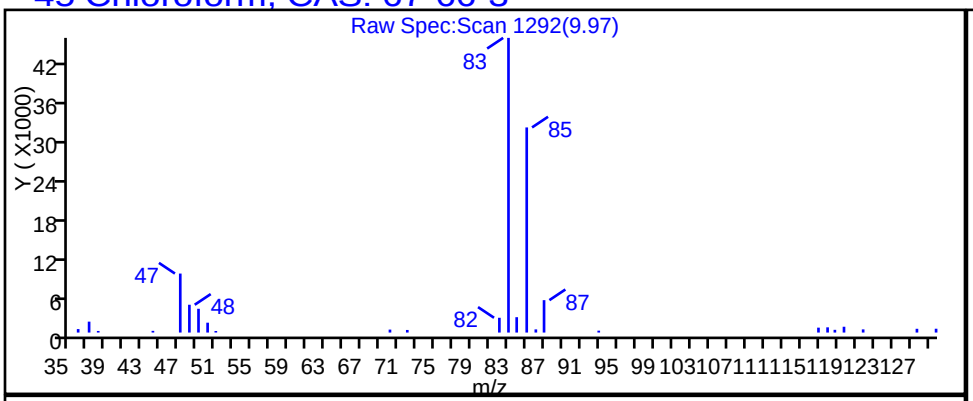
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

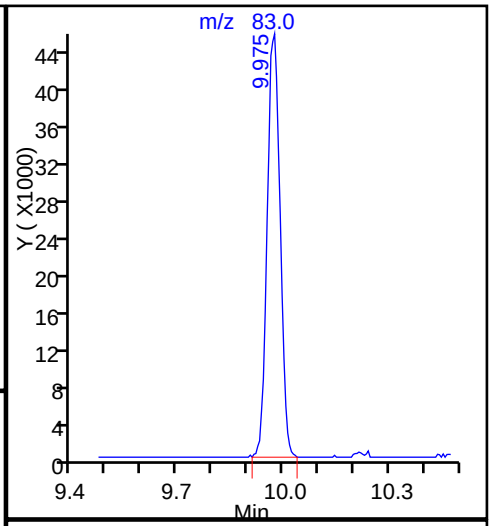
TestAmerica Burlington

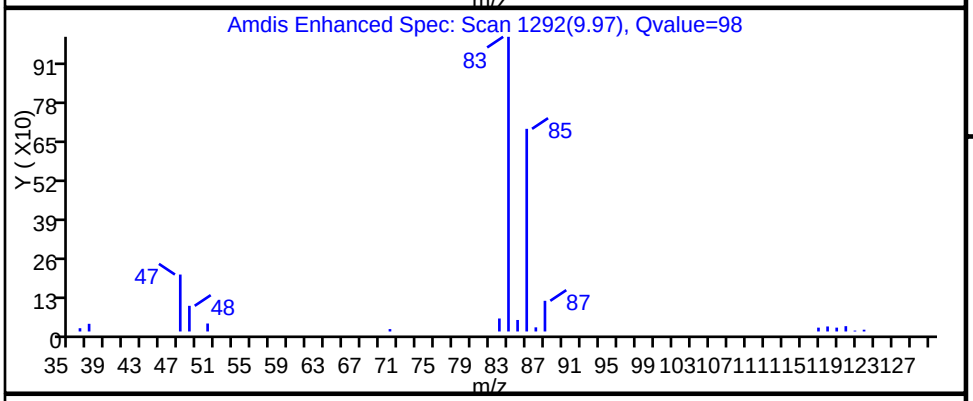
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

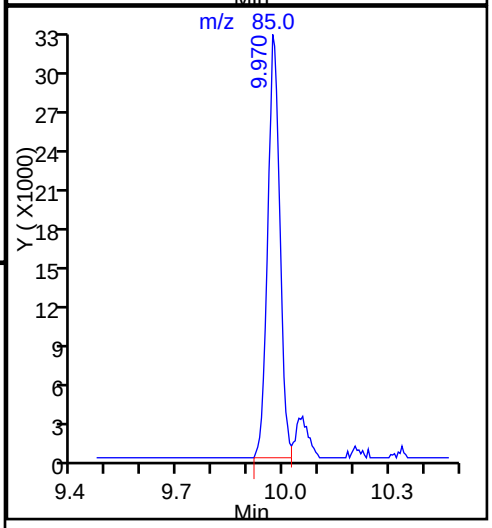
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

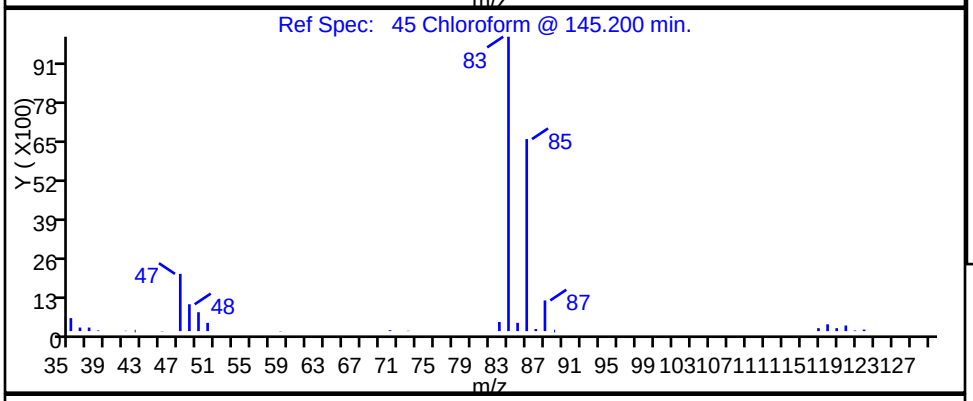
45 Chloroform, CAS: 67-66-3

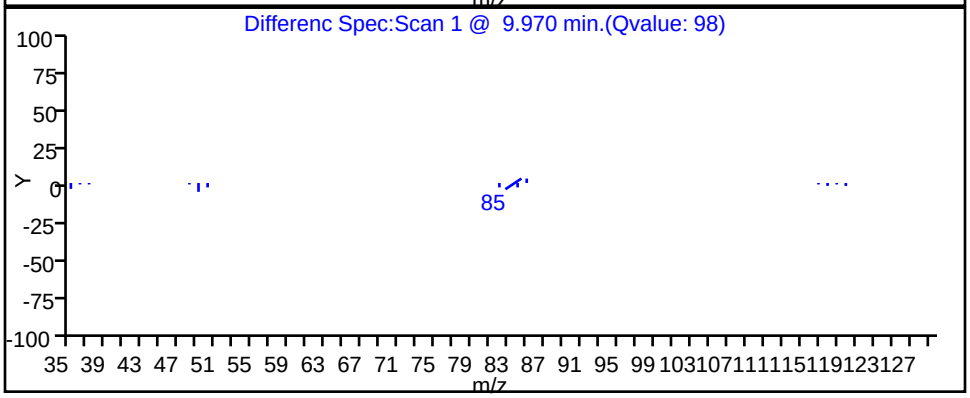












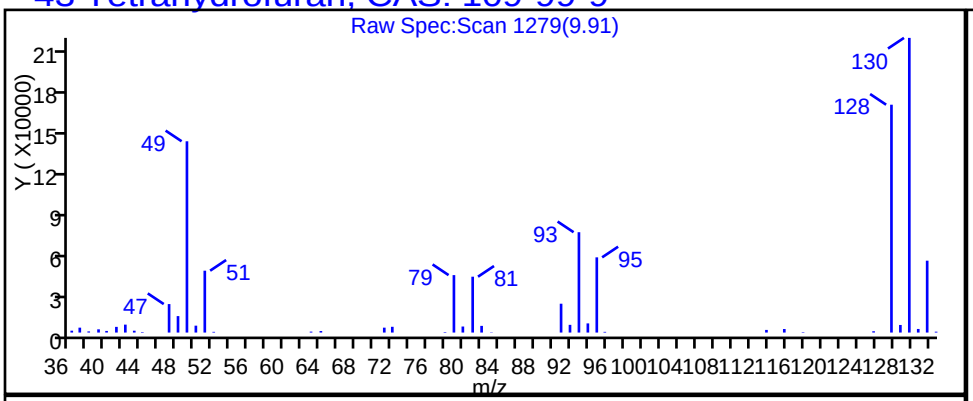
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

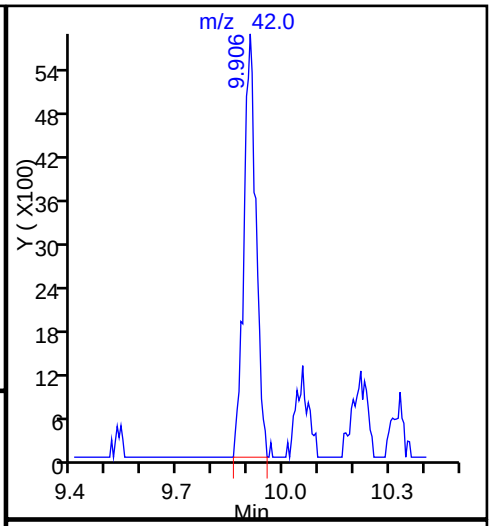
TestAmerica Burlington

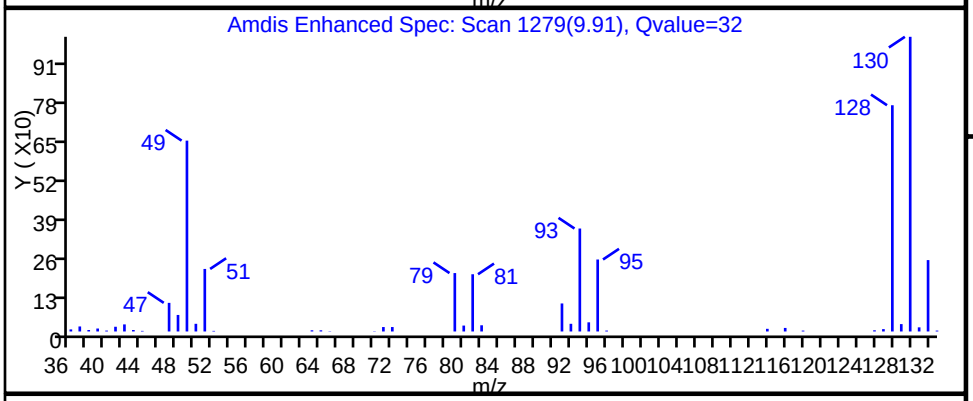
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

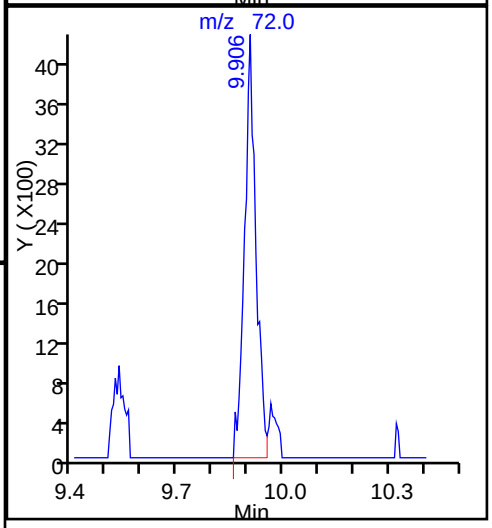
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

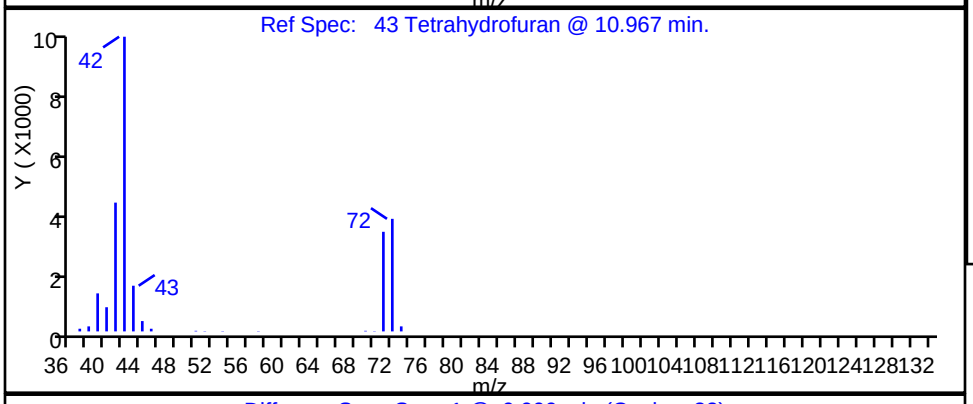
43 Tetrahydrofuran, CAS: 109-99-9

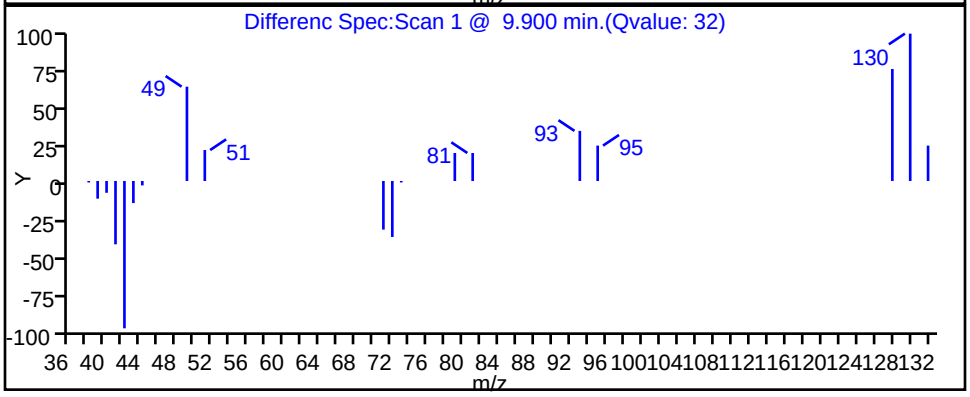












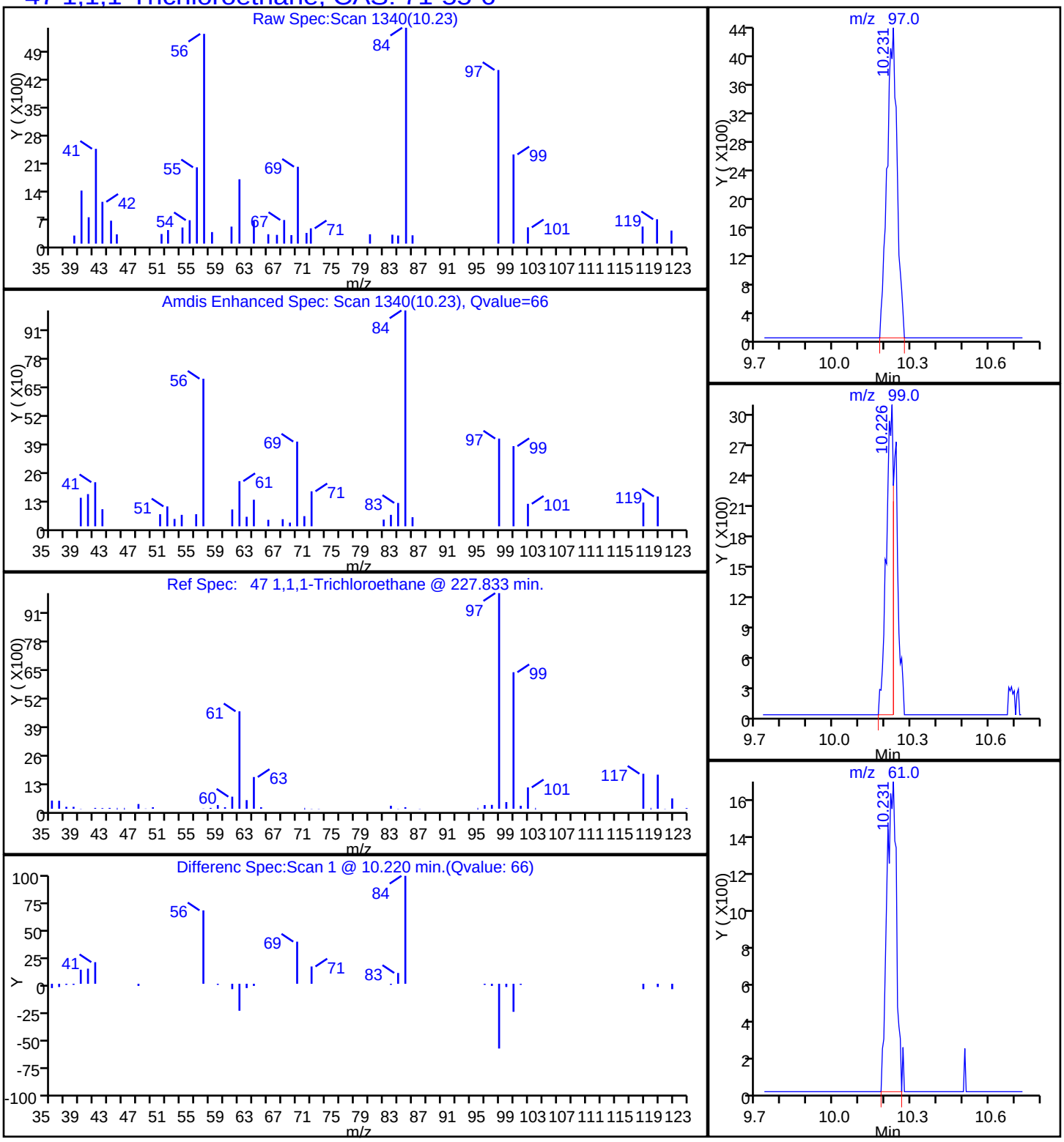
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



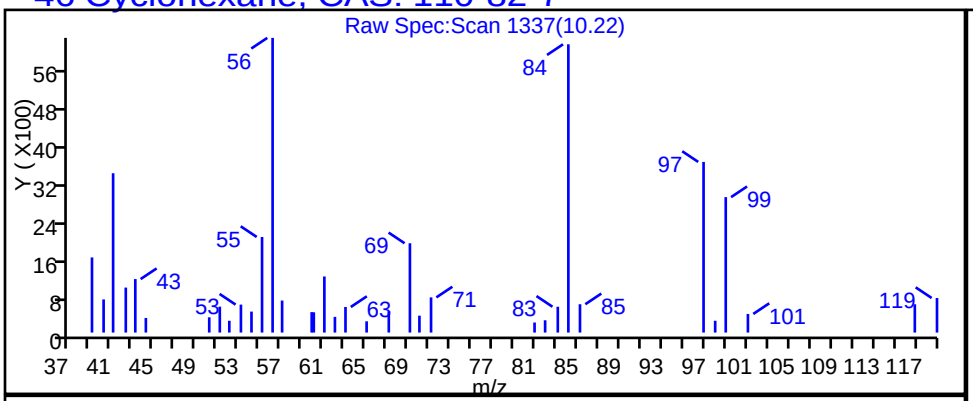
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

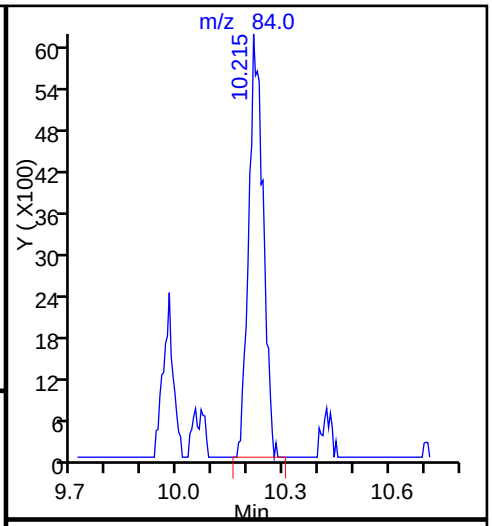
TestAmerica Burlington

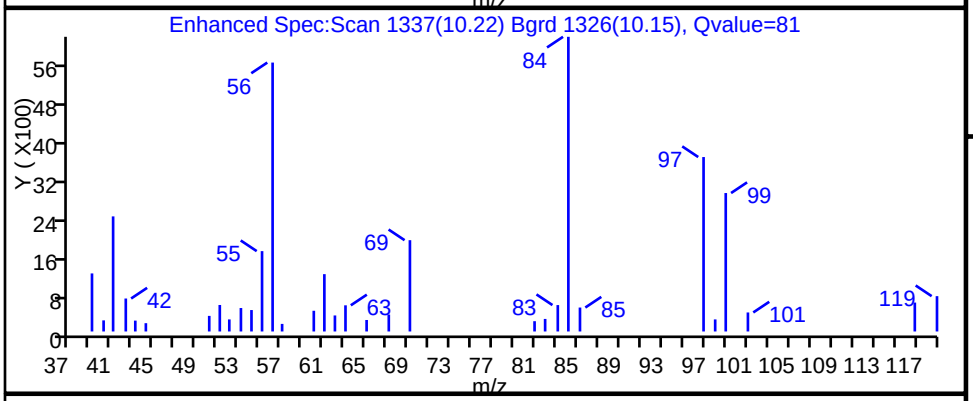
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

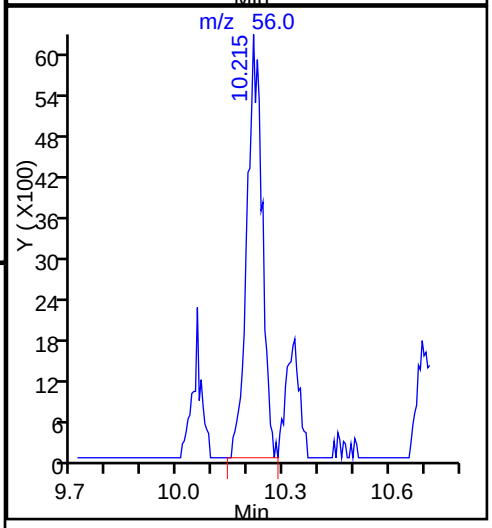
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

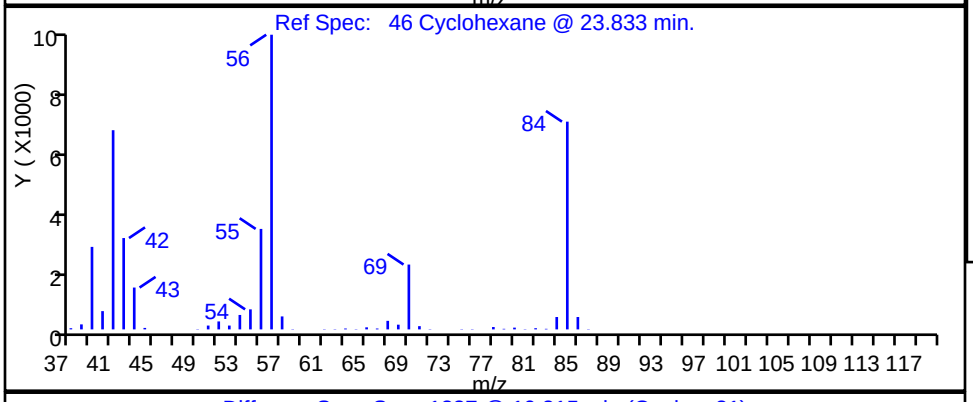
46 Cyclohexane, CAS: 110-82-7

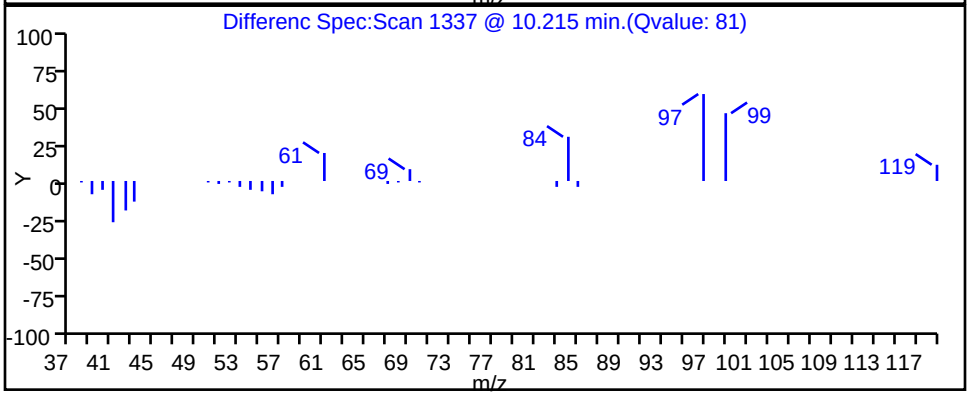












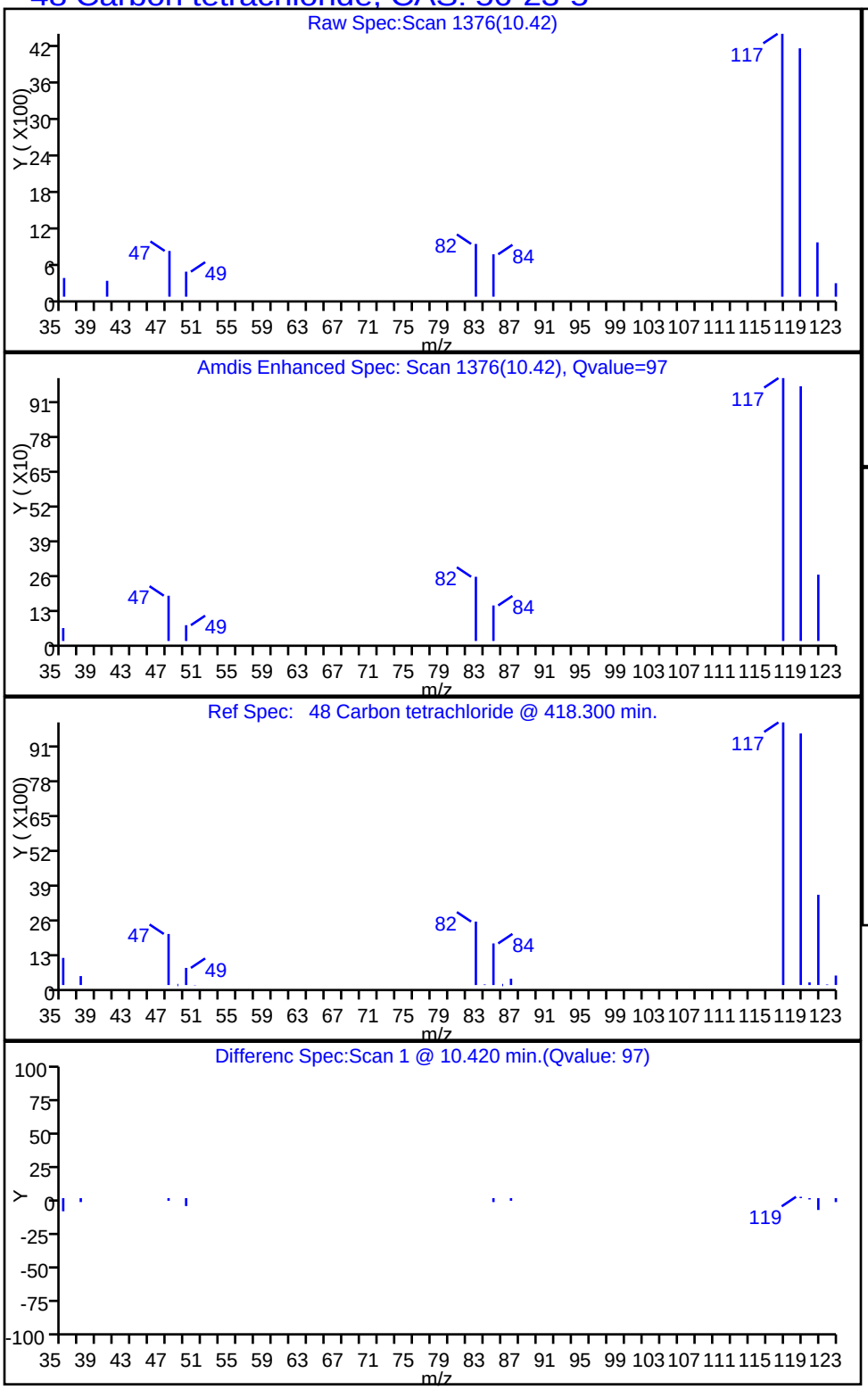
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

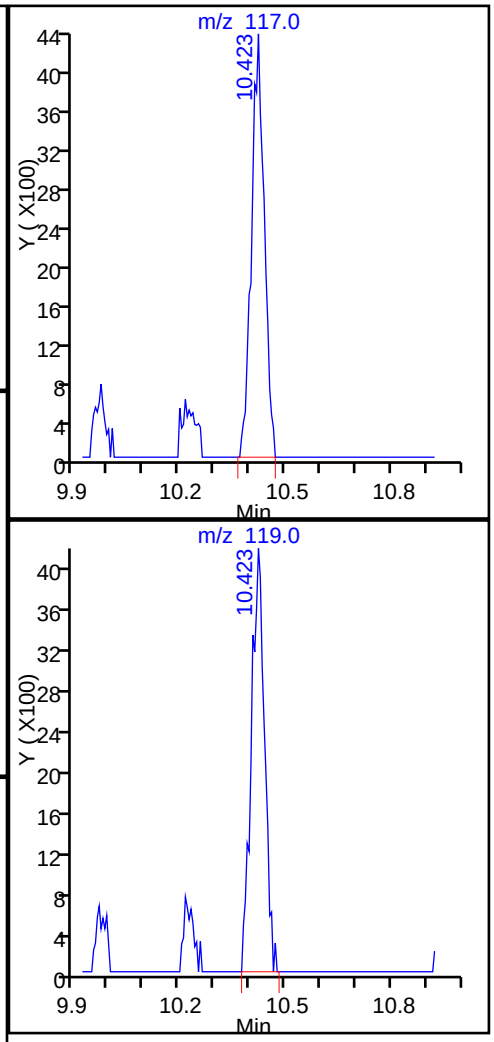
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 Carbon tetrachloride, CAS: 56-23-5





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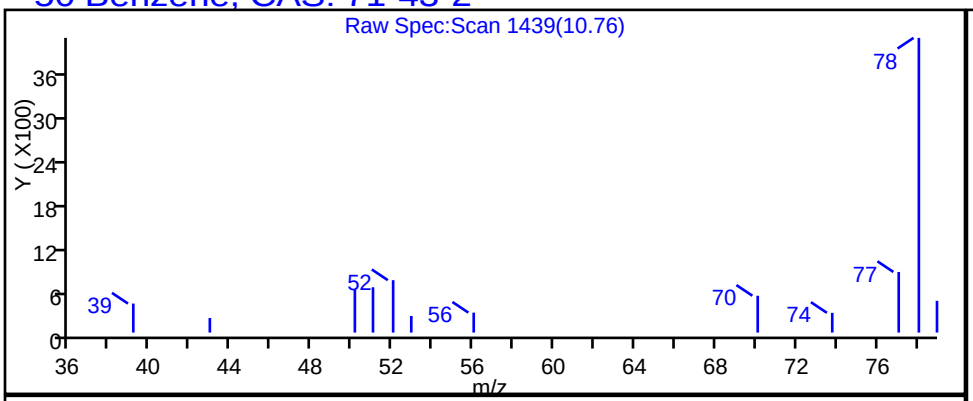
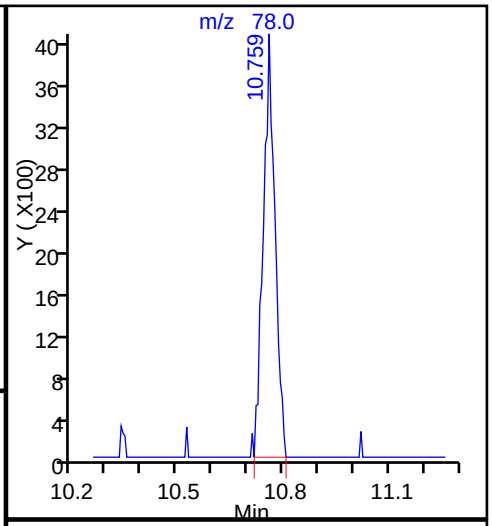
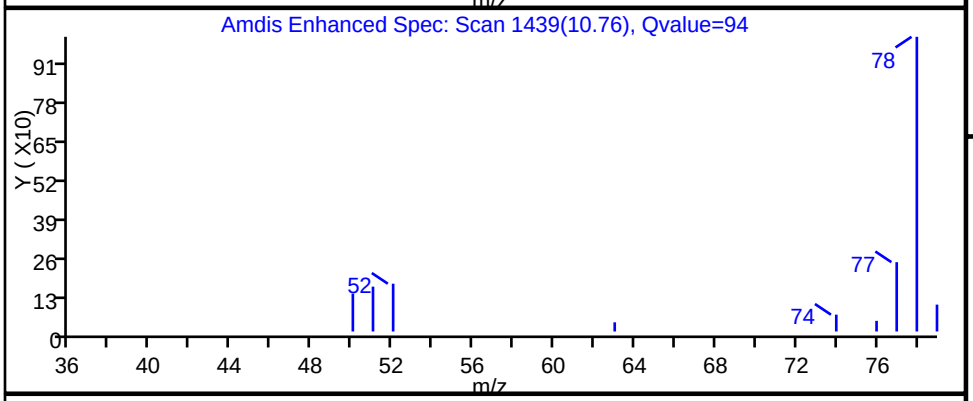
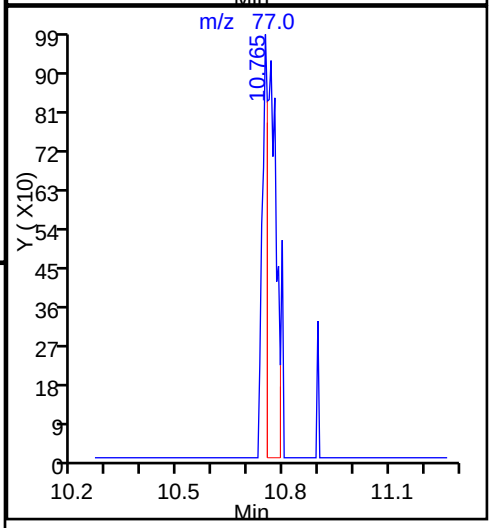
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

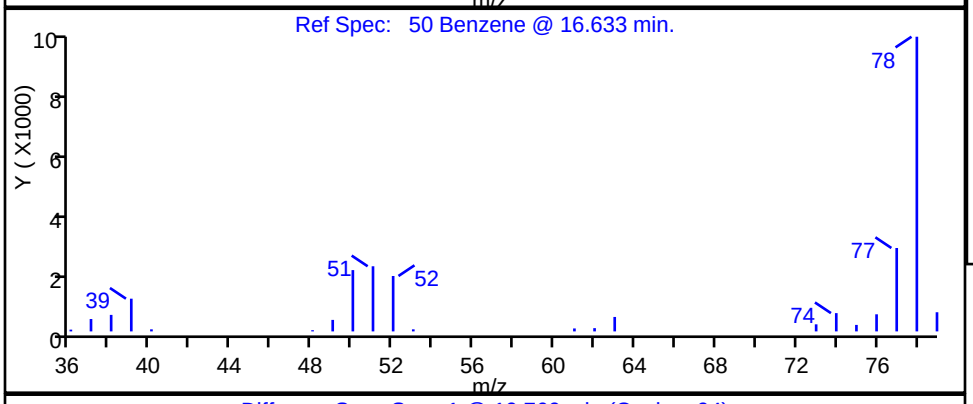
50 Benzene, CAS: 71-43-2

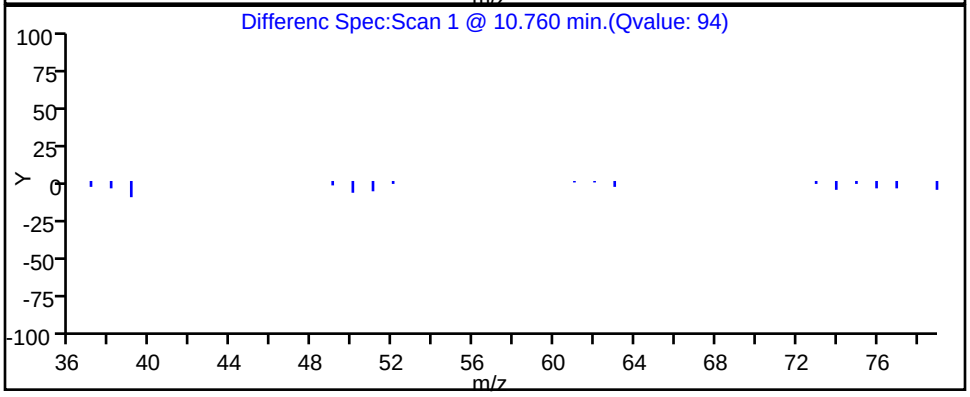












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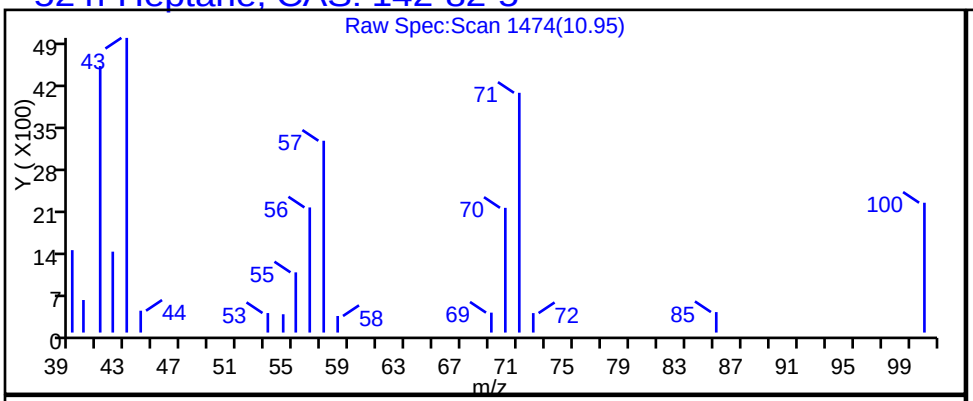
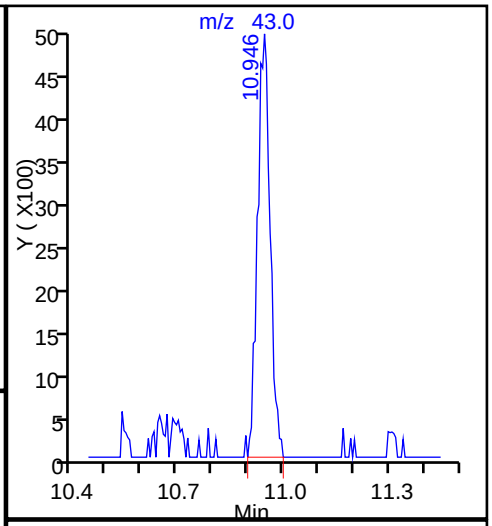
TestAmerica Burlington

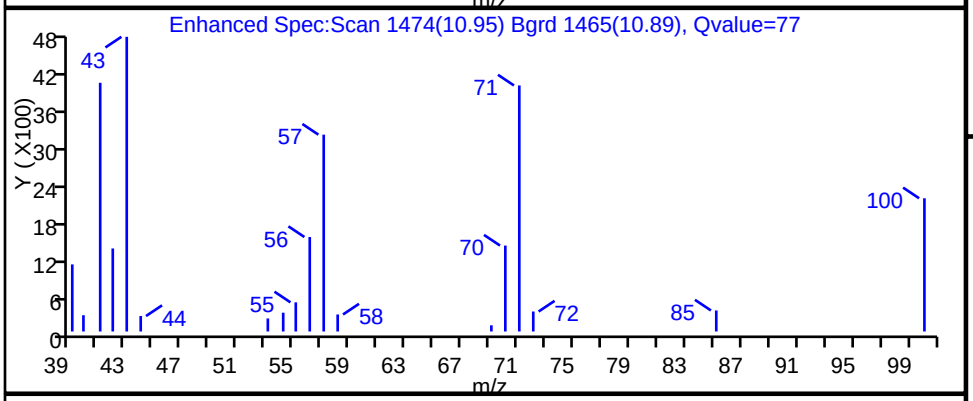
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

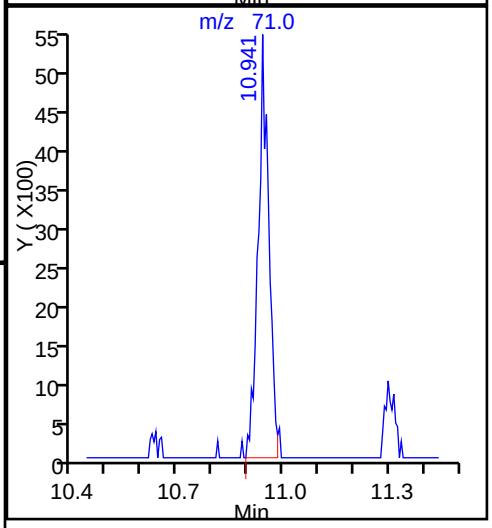
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

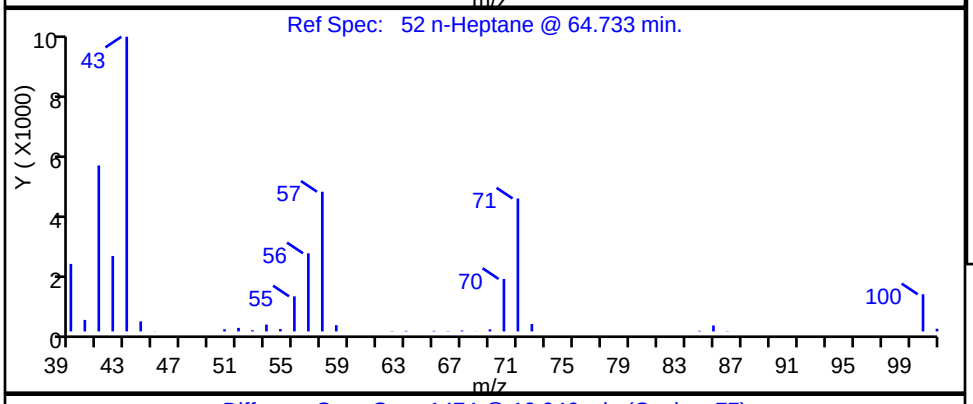
52 n-Heptane, CAS: 142-82-5

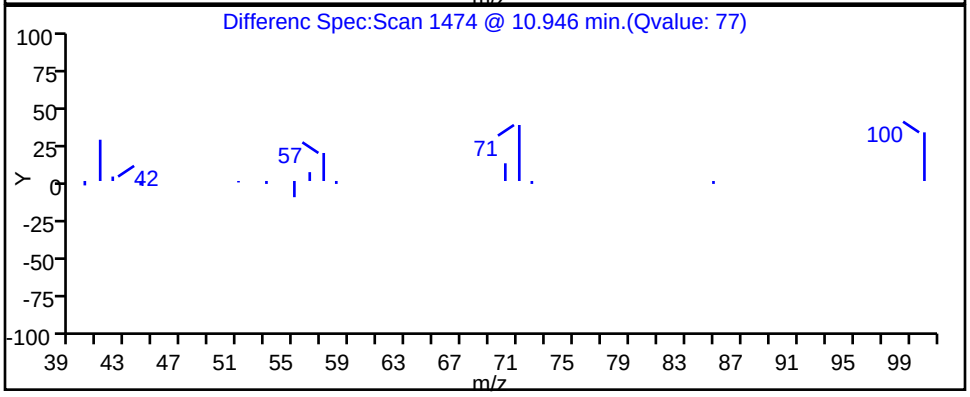












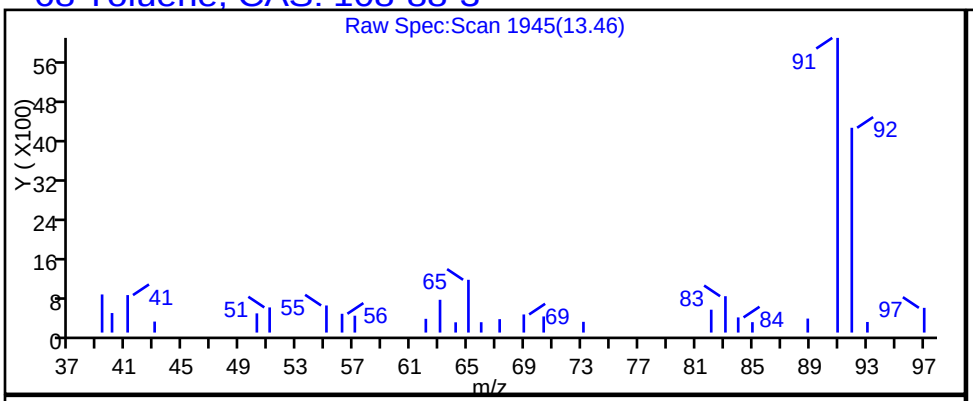
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

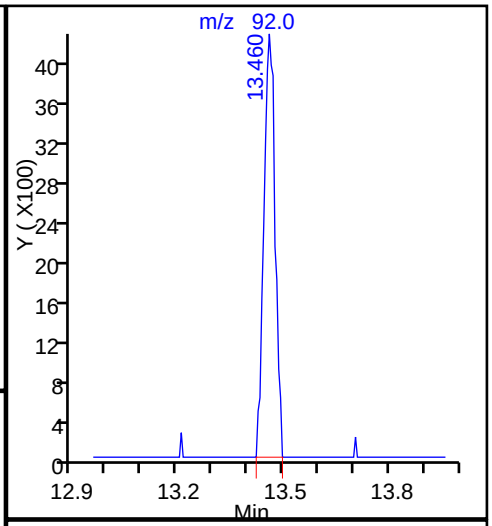
TestAmerica Burlington

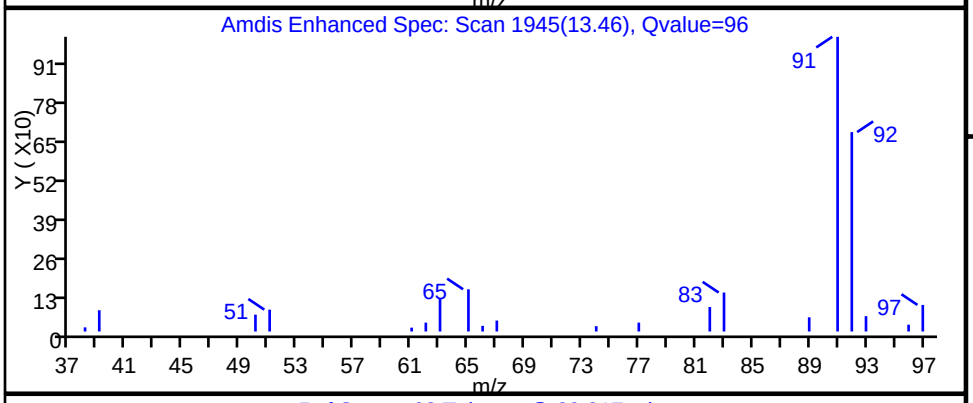
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

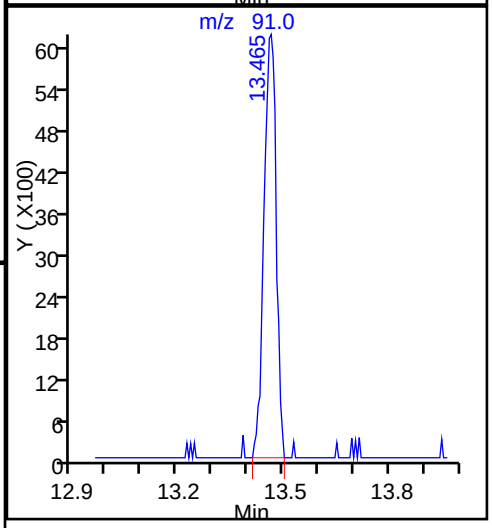
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

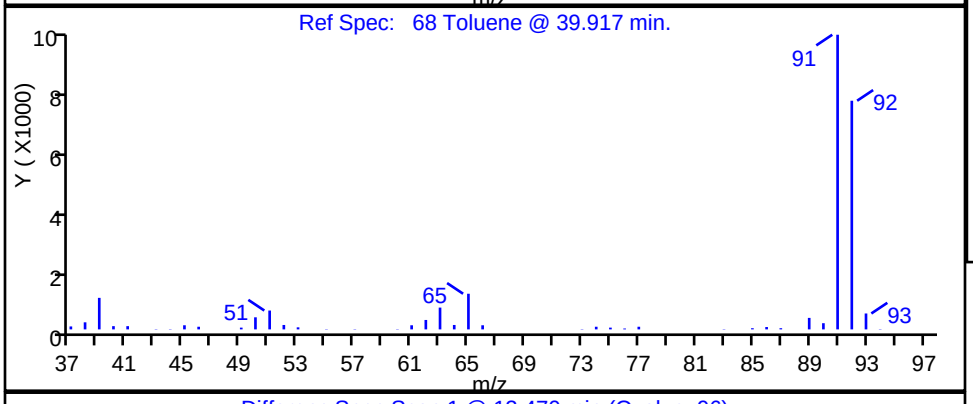
68 Toluene, CAS: 108-88-3

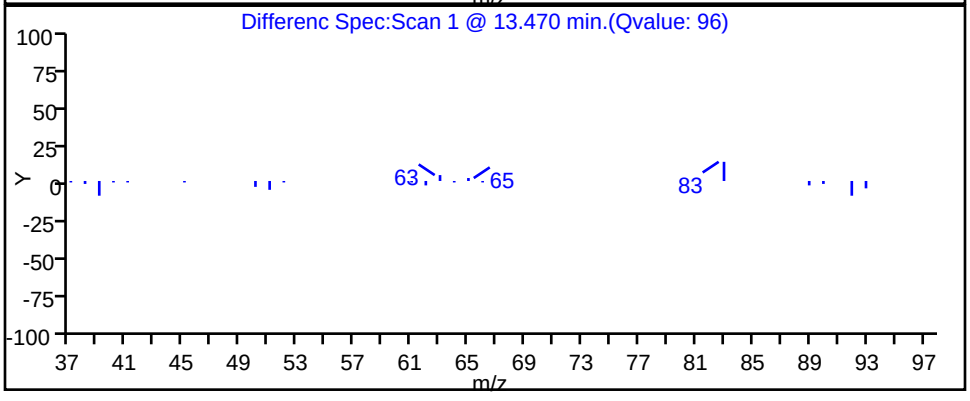












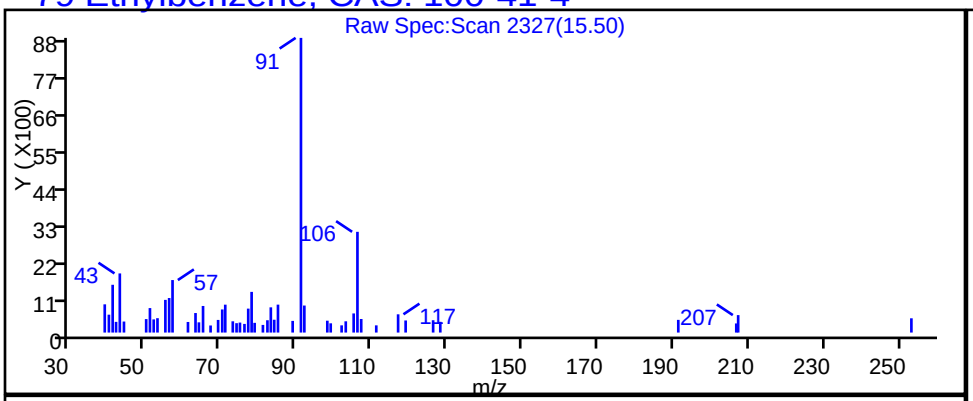
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

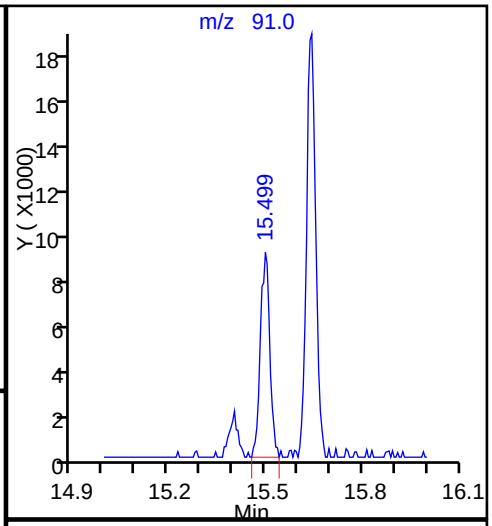
TestAmerica Burlington

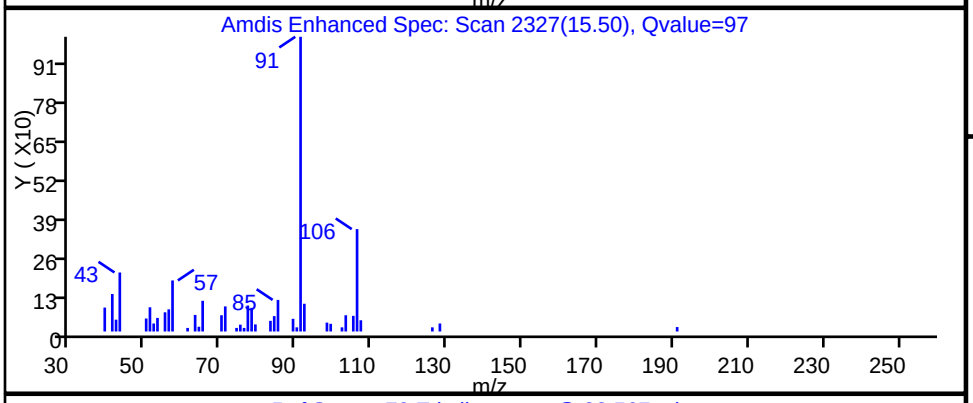
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

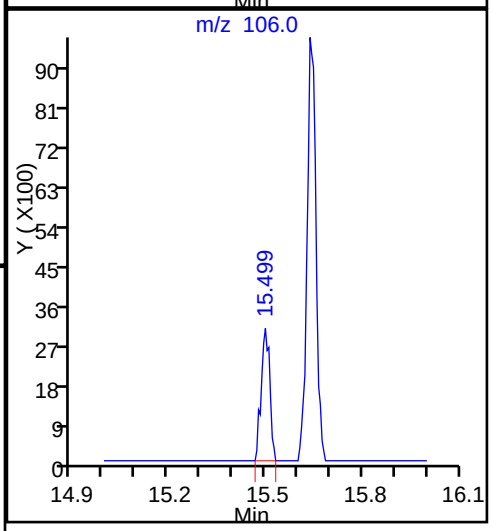
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

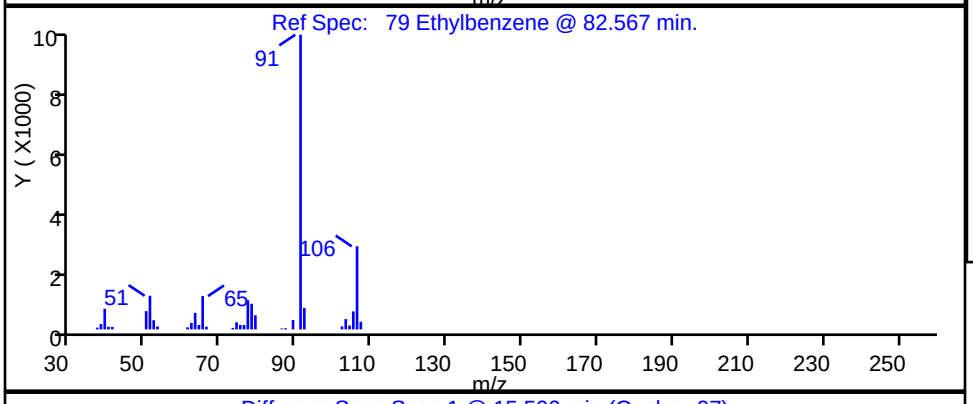
79 Ethylbenzene, CAS: 100-41-4

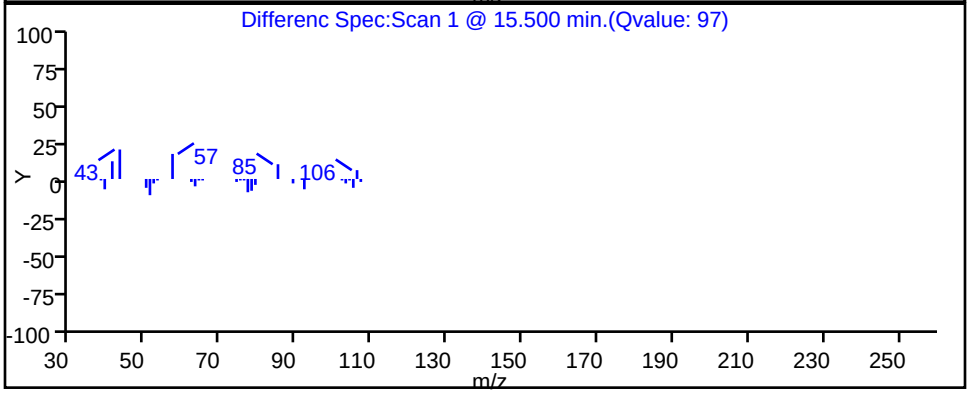












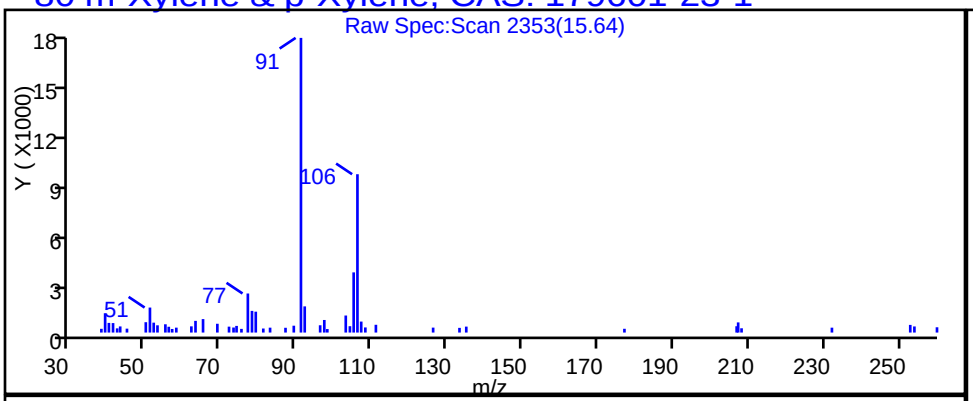
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

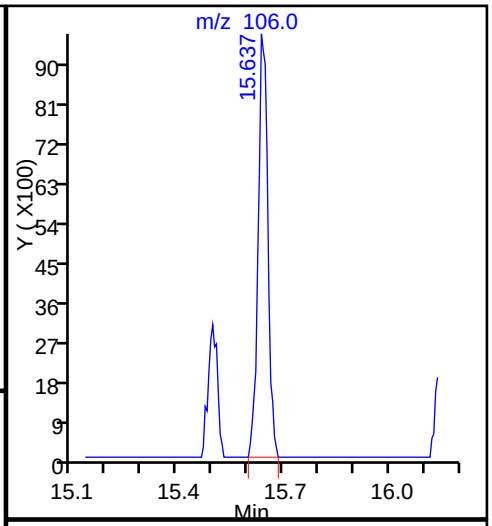
TestAmerica Burlington

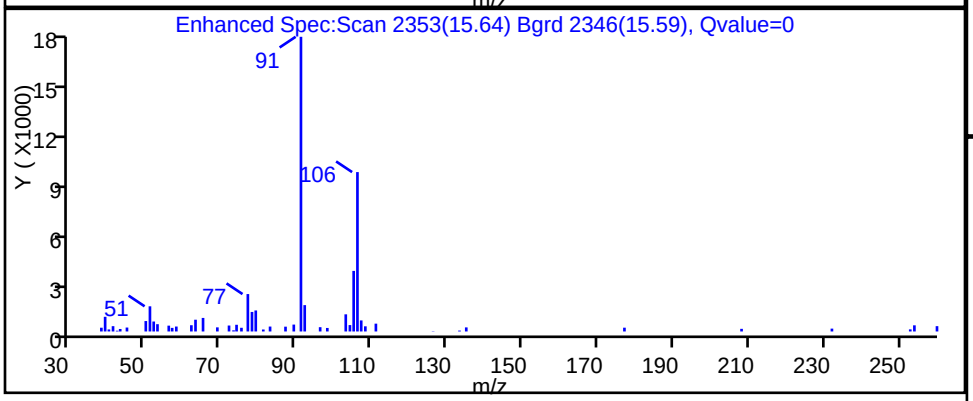
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

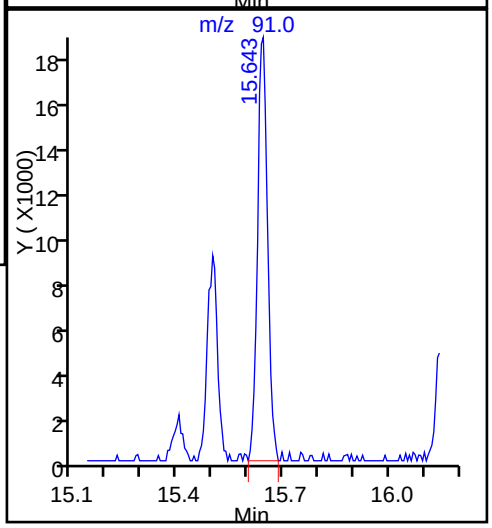
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1









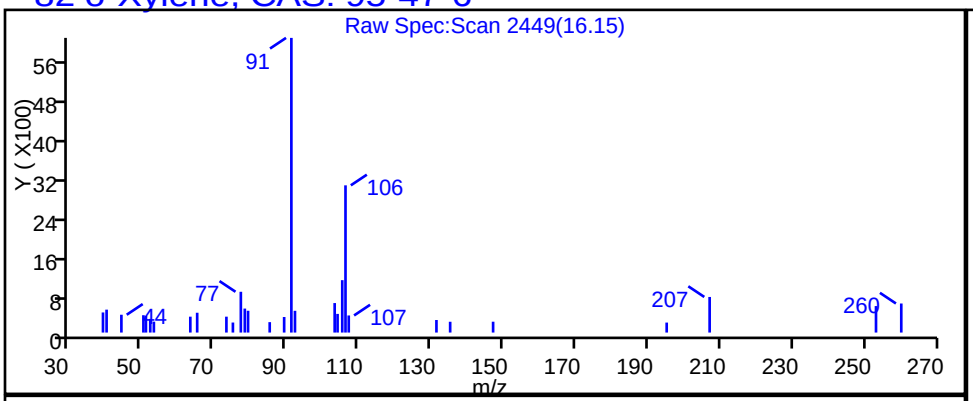
Report Date: 16-Oct-2014 11:44:03 Chrom Revision: 2.2 07-Oct-2014 12:16:06

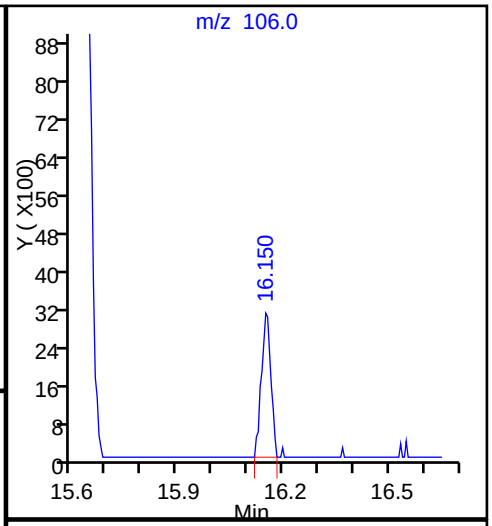
TestAmerica Burlington

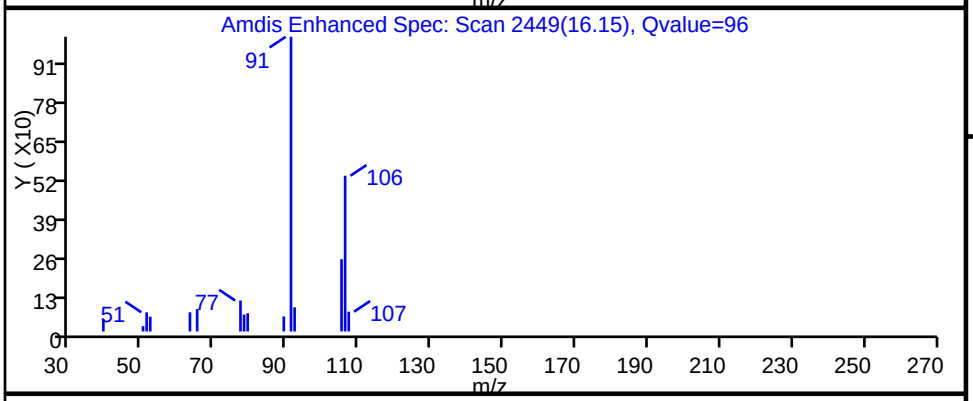
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

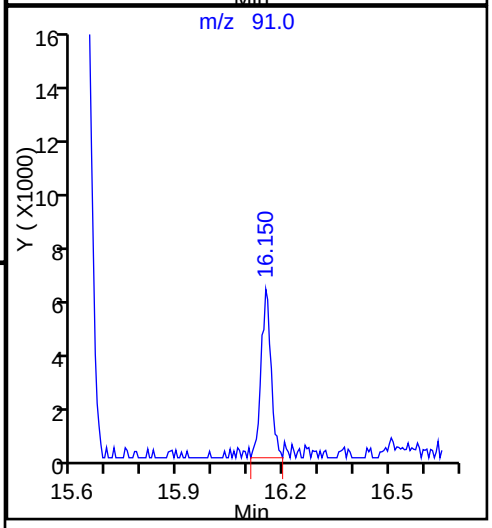
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

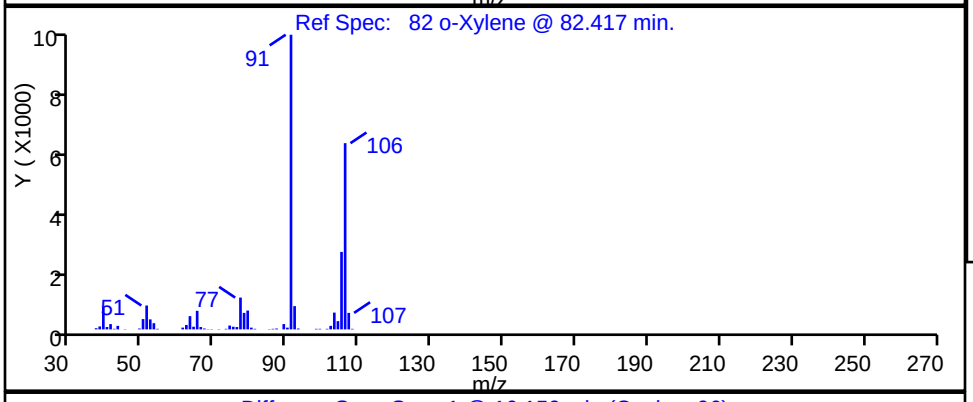
82 o-Xylene, CAS: 95-47-6

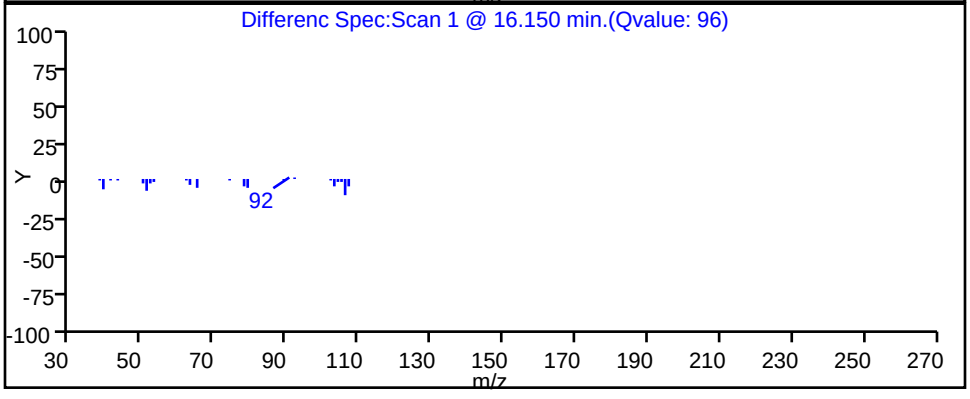












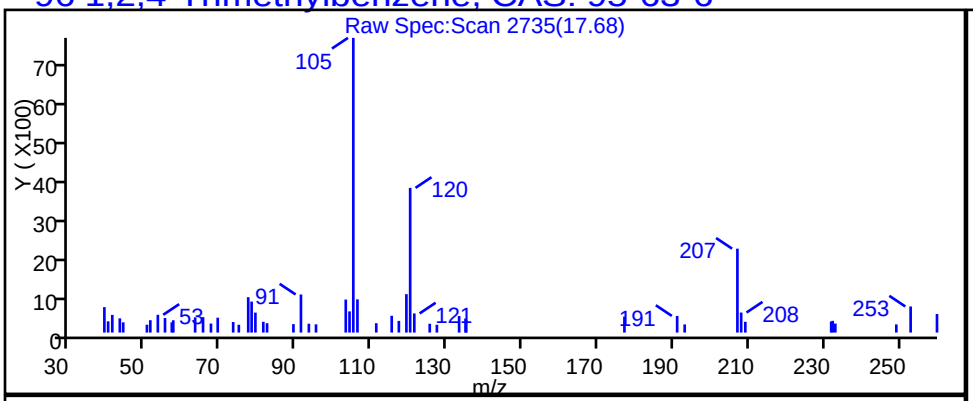
Report Date: 16-Oct-2014 11:44:04 Chrom Revision: 2.2 07-Oct-2014 12:16:06

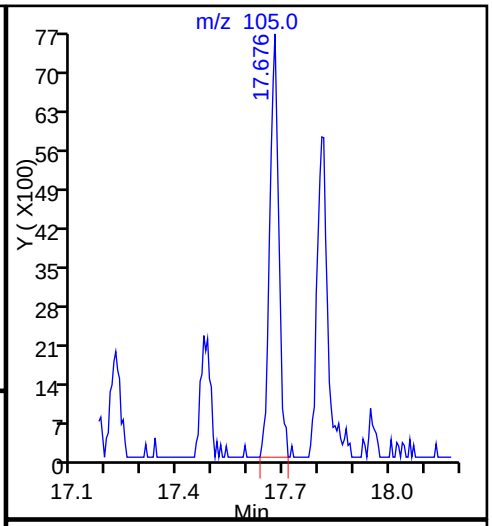
TestAmerica Burlington

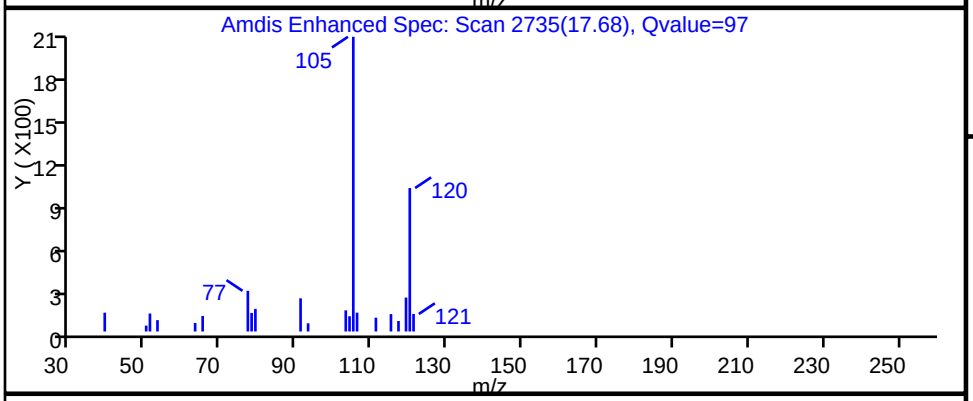
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D

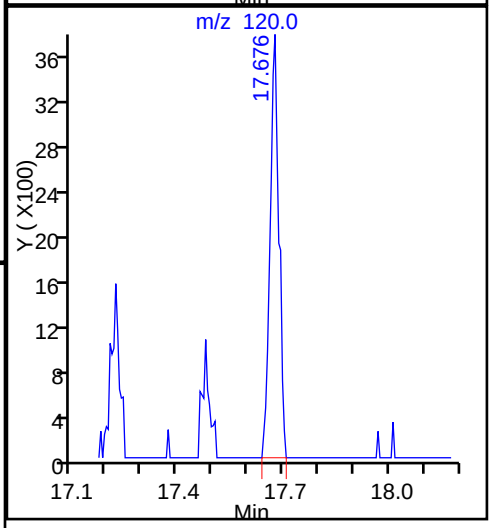
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

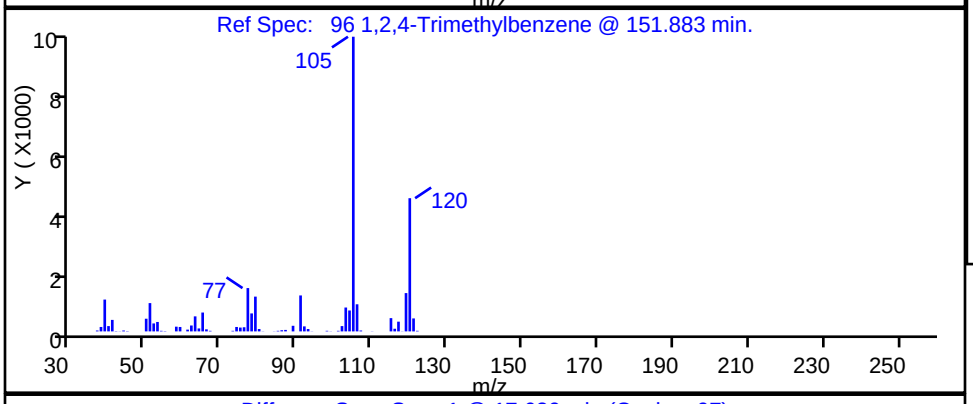
96 1,2,4-Trimethylbenzene, CAS: 95-63-6

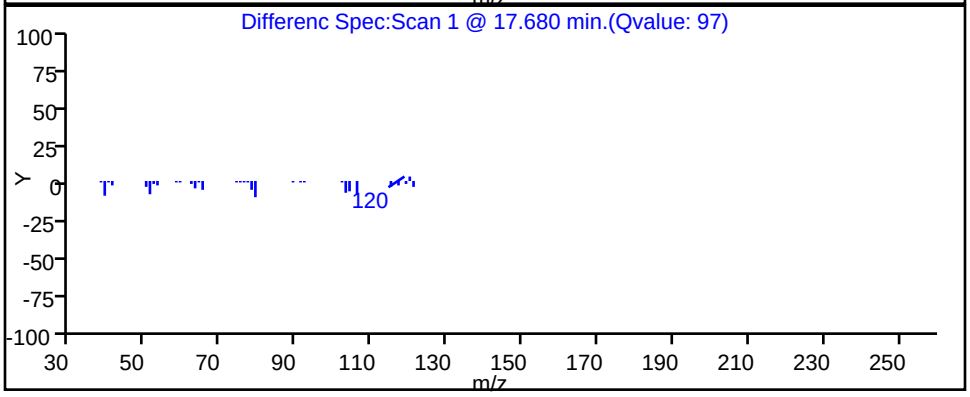












Manual Integration/User Assign Peak Report

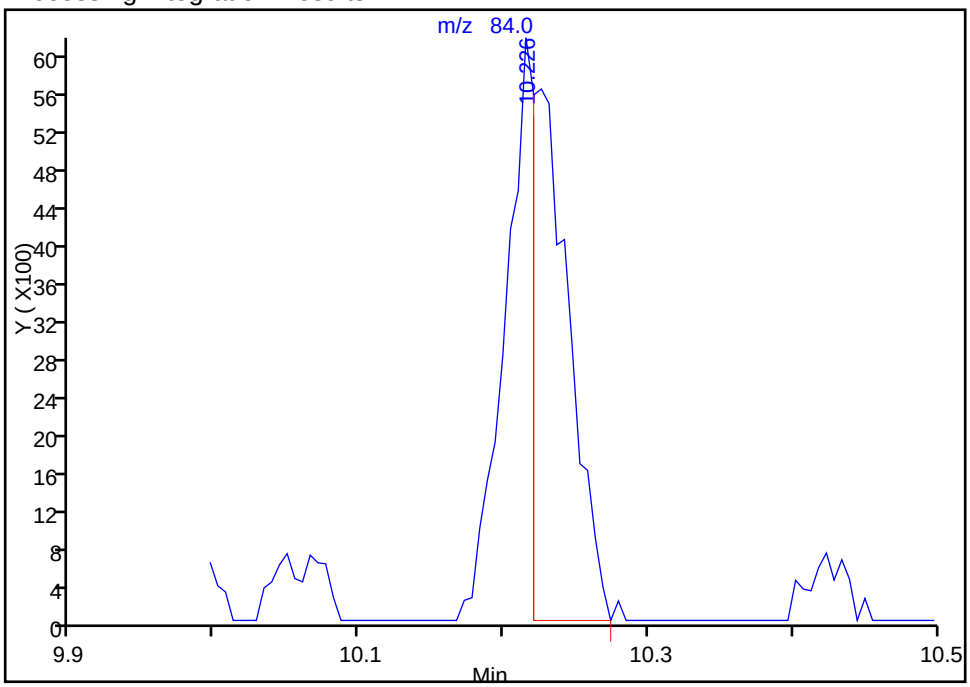
TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D				
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

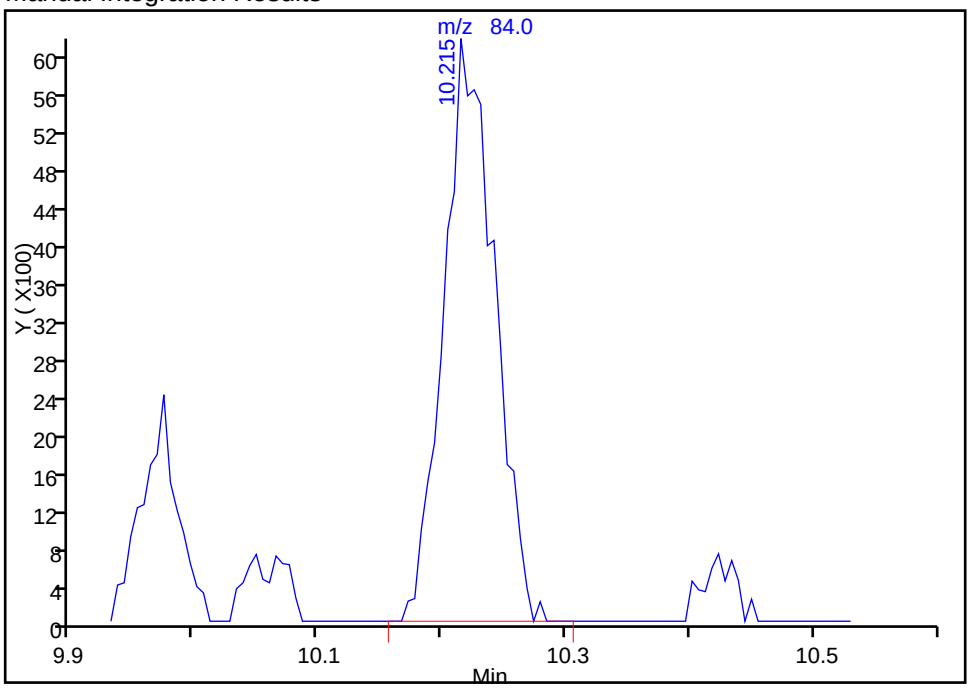
Processing Integration Results

RT: 10.23
Response: 10158
Amount: 0.206976



Manual Integration Results

RT: 10.22
Response: 17349
Amount: 0.353498



Reviewer: daiglep, 16-Oct-2014 11:30:52
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

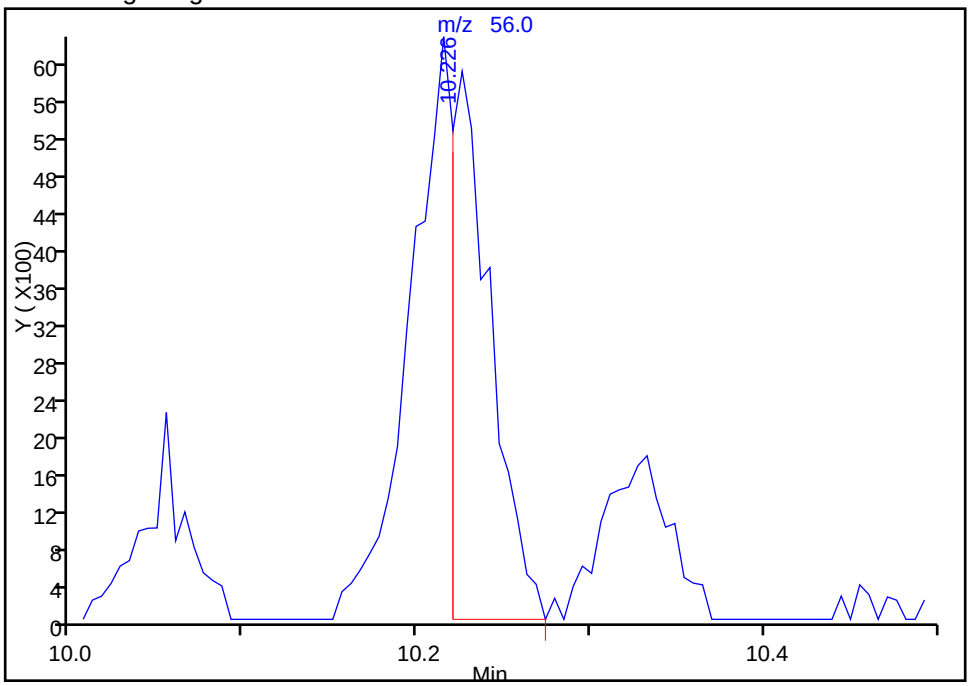
TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_15.D				
Injection Date:	15-Oct-2014 23:14:30	Instrument ID:	CHB.i		
Lims ID:	200-24716-A-10	Lab Sample ID:	200-24716-10		
Client ID:	VP GAC POST				
Operator ID:	pad	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

Processing Integration Results

RT: 10.23
Response: 9341
Amount: 0.206976



Manual Integration Results

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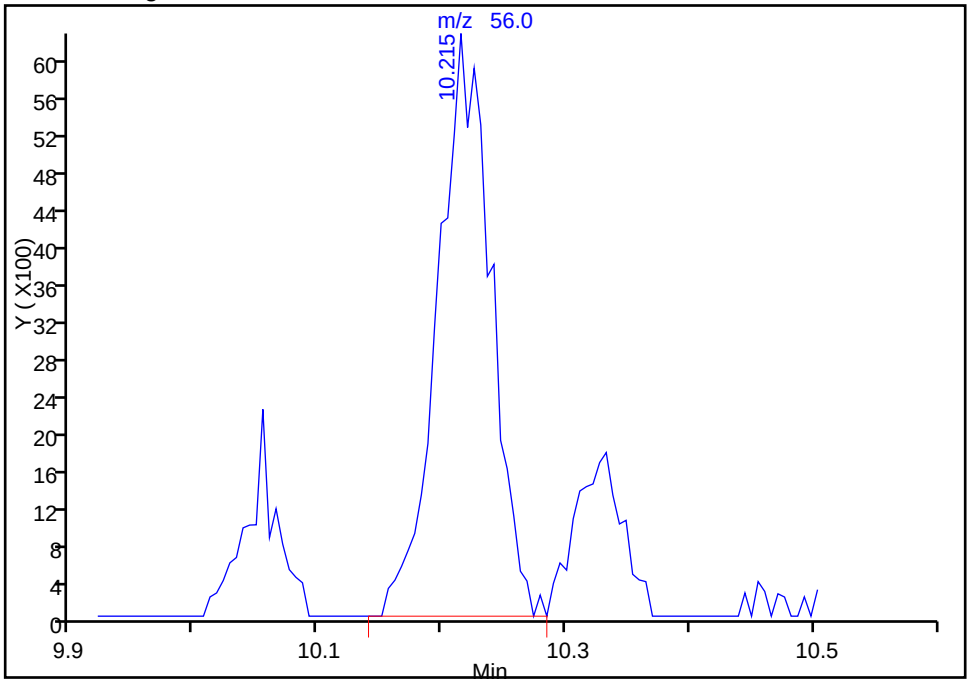
Amount: 0.353498



Reviewer: daiglep, 16-Oct-2014 11:30:52
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-24717-1

Matrix: Air Lab File ID: 9990_005.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:12

Sample wt/vol: 67(mL) Date Analyzed: 10/14/2014 13:44

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.53	J	1.5	0.17
75-45-6	Freon 22	86.47	0.32	J	1.5	0.24
76-14-2	Freon-114	170.92	0.60	U	0.60	0.16
74-87-3	Chloromethane	50.49	1.5	U	1.5	0.18
106-97-8	n-Butane	58.12	1.5	U	1.5	0.54
75-01-4	Vinyl chloride	62.50	0.57		0.12	0.078
106-99-0	1,3-Butadiene	54.09	0.60	U	0.60	0.11
74-83-9	Bromomethane	94.94	0.60	U	0.60	0.13
75-00-3	Chloroethane	64.52	0.26	J	1.5	0.18
593-60-2	Vinyl bromide	106.96	0.60	U	0.60	0.060
75-69-4	Freon 11	137.37	0.60	U	0.60	0.13
76-13-1	Freon 113	187.38	12		0.60	0.12
75-35-4	1,1-Dichloroethene	96.94	0.60	U	0.60	0.030
67-64-1	Acetone	58.08	15	U	15	2.1
67-63-0	Isopropyl alcohol	60.10	15	U	15	0.45
75-15-0	Carbon disulfide	76.14	1.5	U	1.5	0.090
107-05-1	Allyl chloride	76.53	1.5	U	1.5	0.48
75-09-2	Methylene Chloride	84.93	1.5	U	1.5	0.36
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.60	U	0.60	0.066
156-60-5	trans-1,2-Dichloroethene	96.94	0.60	U	0.60	0.081
110-54-3	Hexane	86.17	0.60	U	0.60	0.084
75-34-3	1,1-Dichloroethane	98.96	12		0.60	0.084
78-93-3	Methyl Ethyl Ketone	72.11	3.5		1.5	0.28
156-59-2	cis-1,2-Dichloroethene	96.94	74		0.60	0.090
540-59-0	1,2-Dichloroethene, Total	96.94	74		0.60	0.16
67-66-3	Chloroform	119.38	0.40	J	0.60	0.11
109-99-9	Tetrahydrofuran	72.11	0.82	J	15	0.54
71-55-6	1,1,1-Trichloroethane	133.41	0.60	U	0.60	0.090
110-82-7	Cyclohexane	84.16	0.60	U	0.60	0.030
56-23-5	Carbon tetrachloride	153.81	0.084	J	0.12	0.033
540-84-1	2,2,4-Trimethylpentane	114.23	0.60	U	0.60	0.069
71-43-2	Benzene	78.11	0.60	U	0.60	0.087
107-06-2	1,2-Dichloroethane	98.96	0.60	U	0.60	0.16
142-82-5	Heptane	100.21	0.60	U	0.60	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-24717-1

Matrix: Air Lab File ID: 9990_005.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:12

Sample wt/vol: 67(mL) Date Analyzed: 10/14/2014 13:44

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	51		0.12	0.090
80-62-6	Methyl methacrylate	100.12	1.5	U	1.5	0.29
78-87-5	1,2-Dichloropropane	112.99	0.60	U	0.60	0.10
123-91-1	1,4-Dioxane	88.11	15	U	15	0.48
75-27-4	Bromodichloromethane	163.83	0.60	U	0.60	0.087
10061-01-5	cis-1,3-Dichloropropene	110.97	0.60	U	0.60	0.087
108-10-1	methyl isobutyl ketone	100.16	1.5	U	1.5	0.54
108-88-3	Toluene	92.14	0.13	J	0.60	0.075
10061-02-6	trans-1,3-Dichloropropene	110.97	0.60	U	0.60	0.078
79-00-5	1,1,2-Trichloroethane	133.41	0.60	U	0.60	0.11
127-18-4	Tetrachloroethene	165.83	24		0.60	0.090
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.5	U	1.5	0.51
124-48-1	Dibromochloromethane	208.29	0.60	U	0.60	0.060
106-93-4	1,2-Dibromoethane	187.87	0.60	U	0.60	0.054
108-90-7	Chlorobenzene	112.56	0.60	U	0.60	0.054
100-41-4	Ethylbenzene	106.17	0.60	U	0.60	0.060
179601-23-1	m,p-Xylene	106.17	1.5	U	1.5	0.075
95-47-6	Xylene, o-	106.17	0.12	J	0.60	0.054
1330-20-7	Xylene (total)	106.17	0.12	J	0.60	0.12
100-42-5	Styrene	104.15	0.10	J	0.60	0.048
75-25-2	Bromoform	252.75	0.60	U	0.60	0.075
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.60	U	0.60	0.10
103-65-1	n-Propylbenzene	120.19	0.60	U	0.60	0.081
622-96-8	4-Ethyltoluene	120.20	0.60	U	0.60	0.060
108-67-8	1,3,5-Trimethylbenzene	120.20	0.60	U	0.60	0.057
95-49-8	2-Chlorotoluene	126.59	0.60	U	0.60	0.093
98-06-6	tert-Butylbenzene	134.22	0.60	U	0.60	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	0.12	J	0.60	0.048
135-98-8	sec-Butylbenzene	134.22	0.60	U	0.60	0.063
99-87-6	4-Isopropyltoluene	134.22	0.60	U	0.60	0.060
541-73-1	1,3-Dichlorobenzene	147.00	0.60	U	0.60	0.060
106-46-7	1,4-Dichlorobenzene	147.00	0.60	U	0.60	0.057
100-44-7	Benzyl chloride	126.58	0.60	U	0.60	0.054
104-51-8	n-Butylbenzene	134.22	0.60	U	0.60	0.084

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-24717-1

Matrix: Air Lab File ID: 9990_005.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:12

Sample wt/vol: 67(mL) Date Analyzed: 10/14/2014 13:44

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.60	U	0.60	0.054
120-82-1	1,2,4-Trichlorobenzene	181.45	1.5	U	1.5	0.10
87-68-3	Hexachloro-1,3-butadiene	260.76	0.60	U	0.60	0.11
91-20-3	Naphthalene	128.17	1.5	U	1.5	0.090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-24717-1

Matrix: Air Lab File ID: 9990_005.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:12

Sample wt/vol: 67(mL) Date Analyzed: 10/14/2014 13:44

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.6	J	7.4	0.83
75-45-6	Freon 22	86.47	1.1	J	5.3	0.85
76-14-2	Freon-114	170.92	4.2	U	4.2	1.1
74-87-3	Chloromethane	50.49	3.1	U	3.1	0.37
106-97-8	n-Butane	58.12	3.6	U	3.6	1.3
75-01-4	Vinyl chloride	62.50	1.4		0.31	0.20
106-99-0	1,3-Butadiene	54.09	1.3	U	1.3	0.24
74-83-9	Bromomethane	94.94	2.3	U	2.3	0.51
75-00-3	Chloroethane	64.52	0.69	J	3.9	0.48
593-60-2	Vinyl bromide	106.96	2.6	U	2.6	0.26
75-69-4	Freon 11	137.37	3.4	U	3.4	0.76
76-13-1	Freon 113	187.38	92		4.6	0.94
75-35-4	1,1-Dichloroethene	96.94	2.4	U	2.4	0.12
67-64-1	Acetone	58.08	36	U	36	4.9
67-63-0	Isopropyl alcohol	60.10	37	U	37	1.1
75-15-0	Carbon disulfide	76.14	4.7	U	4.7	0.28
107-05-1	Allyl chloride	76.53	4.7	U	4.7	1.5
75-09-2	Methylene Chloride	84.93	5.2	U	5.2	1.2
75-65-0	tert-Butyl alcohol	74.12	45	U	45	1.1
1634-04-4	Methyl tert-butyl ether	88.15	2.2	U	2.2	0.24
156-60-5	trans-1,2-Dichloroethene	96.94	2.4	U	2.4	0.32
110-54-3	Hexane	86.17	2.1	U	2.1	0.30
75-34-3	1,1-Dichloroethane	98.96	49		2.4	0.34
78-93-3	Methyl Ethyl Ketone	72.11	10		4.4	0.81
156-59-2	cis-1,2-Dichloroethene	96.94	290		2.4	0.36
540-59-0	1,2-Dichloroethene, Total	96.94	290		2.4	0.63
67-66-3	Chloroform	119.38	2.0	J	2.9	0.55
109-99-9	Tetrahydrofuran	72.11	2.4	J	44	1.6
71-55-6	1,1,1-Trichloroethane	133.41	3.3	U	3.3	0.49
110-82-7	Cyclohexane	84.16	2.1	U	2.1	0.10
56-23-5	Carbon tetrachloride	153.81	0.53	J	0.75	0.21
540-84-1	2,2,4-Trimethylpentane	114.23	2.8	U	2.8	0.32
71-43-2	Benzene	78.11	1.9	U	1.9	0.28
107-06-2	1,2-Dichloroethane	98.96	2.4	U	2.4	0.63
142-82-5	Heptane	100.21	2.5	U	2.5	0.45

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-24717-1

Matrix: Air Lab File ID: 9990_005.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:12

Sample wt/vol: 67(mL) Date Analyzed: 10/14/2014 13:44

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	270		0.64	0.48
80-62-6	Methyl methacrylate	100.12	6.1	U	6.1	1.2
78-87-5	1,2-Dichloropropane	112.99	2.8	U	2.8	0.48
123-91-1	1,4-Dioxane	88.11	54	U	54	1.7
75-27-4	Bromodichloromethane	163.83	4.0	U	4.0	0.58
10061-01-5	cis-1,3-Dichloropropene	110.97	2.7	U	2.7	0.39
108-10-1	methyl isobutyl ketone	100.16	6.1	U	6.1	2.2
108-88-3	Toluene	92.14	0.51	J	2.3	0.28
10061-02-6	trans-1,3-Dichloropropene	110.97	2.7	U	2.7	0.35
79-00-5	1,1,2-Trichloroethane	133.41	3.3	U	3.3	0.60
127-18-4	Tetrachloroethene	165.83	160		4.1	0.61
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	6.1	U	6.1	2.1
124-48-1	Dibromochloromethane	208.29	5.1	U	5.1	0.51
106-93-4	1,2-Dibromoethane	187.87	4.6	U	4.6	0.41
108-90-7	Chlorobenzene	112.56	2.8	U	2.8	0.25
100-41-4	Ethylbenzene	106.17	2.6	U	2.6	0.26
179601-23-1	m,p-Xylene	106.17	6.5	U	6.5	0.32
95-47-6	Xylene, o-	106.17	0.53	J	2.6	0.23
1330-20-7	Xylene (total)	106.17	0.52	J	2.6	0.53
100-42-5	Styrene	104.15	0.45	J	2.5	0.20
75-25-2	Bromoform	252.75	6.2	U	6.2	0.77
79-34-5	1,1,2,2-Tetrachloroethane	167.85	4.1	U	4.1	0.70
103-65-1	n-Propylbenzene	120.19	2.9	U	2.9	0.40
622-96-8	4-Ethyltoluene	120.20	2.9	U	2.9	0.29
108-67-8	1,3,5-Trimethylbenzene	120.20	2.9	U	2.9	0.28
95-49-8	2-Chlorotoluene	126.59	3.1	U	3.1	0.48
98-06-6	tert-Butylbenzene	134.22	3.3	U	3.3	0.33
95-63-6	1,2,4-Trimethylbenzene	120.20	0.59	J	2.9	0.24
135-98-8	sec-Butylbenzene	134.22	3.3	U	3.3	0.34
99-87-6	4-Isopropyltoluene	134.22	3.3	U	3.3	0.33
541-73-1	1,3-Dichlorobenzene	147.00	3.6	U	3.6	0.36
106-46-7	1,4-Dichlorobenzene	147.00	3.6	U	3.6	0.34
100-44-7	Benzyl chloride	126.58	3.1	U	3.1	0.28
104-51-8	n-Butylbenzene	134.22	3.3	U	3.3	0.46

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS PRE CARBON Lab Sample ID: 200-24717-1

Matrix: Air Lab File ID: 9990_005.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:12

Sample wt/vol: 67(mL) Date Analyzed: 10/14/2014 13:44

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	3.6	U	3.6	0.32
120-82-1	1,2,4-Trichlorobenzene	181.45	11	U	11	0.75
87-68-3	Hexachloro-1,3-butadiene	260.76	6.4	U	6.4	1.1
91-20-3	Naphthalene	128.17	7.8	U	7.8	0.47

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D
Lims ID: 200-24717-A-1 Lab Sample ID: 200-24717-1
Client ID: GCTS PRE CARBON
Sample Type: Client
Inject. Date: 14-Oct-2014 13:44:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 2.9900
Sample Info: 200-0009990-005
Misc. Info.: 24717-01
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 15-Oct-2014 11:36:18 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: daiglep Date: 15-Oct-2014 11:08:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.229	3.224	0.005	99	21379	0.1779	
6 Chlorodifluoromethane	51	3.261	3.261	0.000	94	5141	0.1056	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.453				ND	
8 Chloromethane	50		3.587				ND	
9 Butane	43		3.768				ND	
10 Vinyl chloride	62	3.822	3.811	0.011	94	4945	0.1896	
11 Butadiene	54		3.880				ND	
12 Bromomethane	94		4.590				ND	
14 Chloroethane	64	4.846	4.830	0.016	42	1360	0.0873	
16 Vinyl bromide	106		5.252				ND	
17 Trichlorofluoromethane	101		5.348				ND	
23 1,1,2-Trichloro-1,2,2-trif	101	6.394	6.394	0.000	95	336136	4.03	
24 1,1-Dichloroethene	96		6.479				ND	
25 Acetone	43		6.655				ND	
26 Isopropyl alcohol	45		6.858				ND	
27 Carbon disulfide	76		6.906				ND	
29 3-Chloro-1-propene	41		7.200				ND	
31 Methylene Chloride	49		7.461				ND	
32 2-Methyl-2-propanol	59		7.563				ND	
33 Methyl tert-butyl ether	73		7.792				ND	
34 trans-1,2-Dichloroethene	61		7.862				ND	
36 Hexane	57		8.176				ND	
37 1,1-Dichloroethane	63	8.625	8.625	0.000	99	233898	4.08	
* 44 Chlorobromomethane	128	9.906	9.906	0.000	68	414248	10.0	
39 cis-1,2-Dichloroethene	96	9.532	9.532	0.000	95	1014385	24.8	
40 2-Butanone (MEK)	72	9.538	9.532	0.006	23	21170	1.15	
43 Tetrahydrofuran	42	9.922	9.900	0.022	82	6169	0.2730	
45 Chloroform	83	9.970	9.975	-0.005	93	12327	0.1339	
S 42 1,2-Dichloroethene, Total	61				0		24.8	
46 Cyclohexane	84		10.220				ND	
47 1,1,1-Trichloroethane	97		10.226				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	10.423	10.423	0.000	57	3481	0.0282	
49 Isooctane	57		10.695				ND	
50 Benzene	78		10.759				ND	
51 1,2-Dichloroethane	62		10.877				ND	
52 n-Heptane	43		10.946				ND	
* 54 1,4-Difluorobenzene	114	11.304	11.309	-0.005	93	1982050	10.0	
57 Trichloroethene	95	11.667	11.667	0.000	96	981092	16.9	
58 1,2-Dichloropropane	63		12.051				ND	
59 Methyl methacrylate	69		12.078				ND	
60 1,4-Dioxane	88		12.174				ND	
62 Dichlorobromomethane	83		12.409				ND	
64 cis-1,3-Dichloropropene	75		13.038				ND	
65 4-Methyl-2-pentanone (MIBK	43		13.188				ND	
68 Toluene	92	13.460	13.465	-0.005	91	3961	0.0450	M
70 trans-1,3-Dichloropropene	75		13.834				ND	
71 1,1,2-Trichloroethane	83		14.106				ND	
72 Tetrachloroethene	166	14.223	14.223	0.000	96	723280	7.98	
73 2-Hexanone	43		14.357				ND	
74 Chlorodibromomethane	129		14.650				ND	
75 Ethylene Dibromide	107		14.853				ND	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	85	1747409	10.0	
77 Chlorobenzene	112		15.435				ND	
79 Ethylbenzene	91		15.499				ND	
80 m-Xylene & p-Xylene	106		15.643				ND	
S 81 Xylenes, Total	106				0		0.0408	7
82 o-Xylene	106	16.155	16.150	0.005	91	3560	0.0408	
83 Styrene	104	16.177	16.176	0.001	95	4669	0.0351	
84 Bromoform	173		16.475				ND	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	90	1373154	NC	
87 1,1,2,2-Tetrachloroethane	83		16.972				ND	
88 N-Propylbenzene	91		17.030				ND	
91 4-Ethyltoluene	105		17.153				ND	
92 2-Chlorotoluene	91		17.201				ND	
93 1,3,5-Trimethylbenzene	105		17.222				ND	
95 tert-Butylbenzene	119		17.607				ND	
96 1,2,4-Trimethylbenzene	105	17.676	17.676	0.000	97	9570	0.0401	
97 sec-Butylbenzene	105		17.863				ND	
98 4-Isopropyltoluene	119		18.018				ND	
99 1,3-Dichlorobenzene	146		18.103				ND	
100 1,4-Dichlorobenzene	146		18.215				ND	
101 Benzyl chloride	91		18.381				ND	
103 n-Butylbenzene	91		18.535				ND	
104 1,2-Dichlorobenzene	146		18.717				ND	
107 1,2,4-Trichlorobenzene	180		21.140				ND	
108 Hexachlorobutadiene	225		21.305				ND	
109 Naphthalene	128		21.652				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

ATTO15BISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

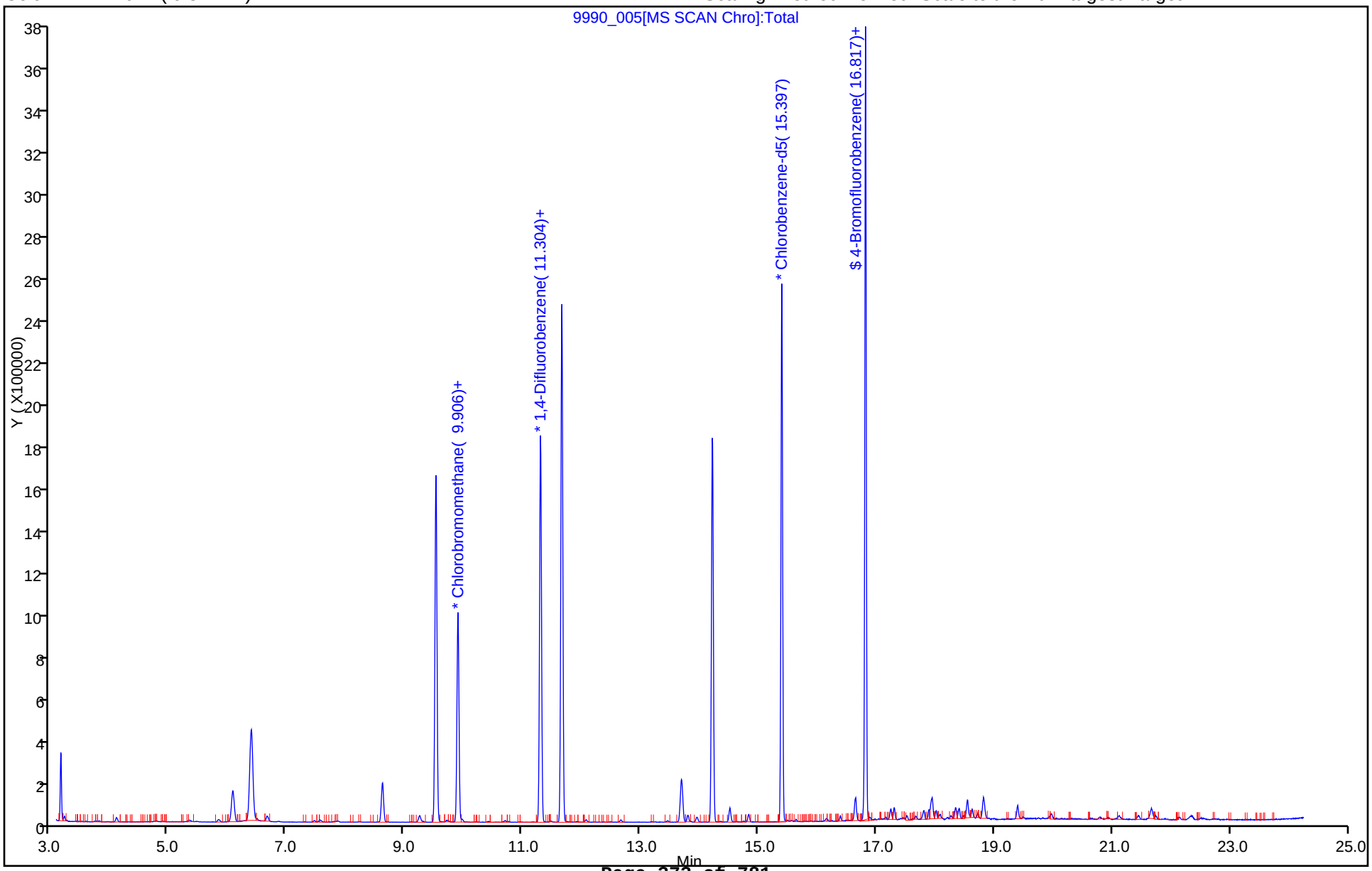
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1	Worklist Smp#:	5
Client ID:	GCTS PRE CARBON				
Purge Vol:	5.000 mL	Dil. Factor:	2.9900	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



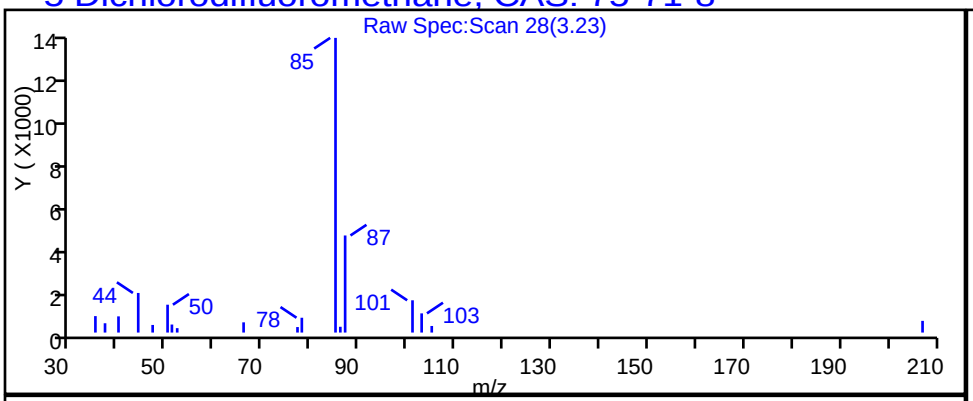
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

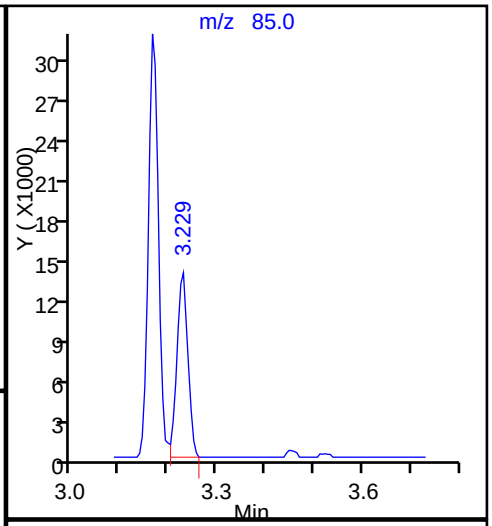
TestAmerica Burlington

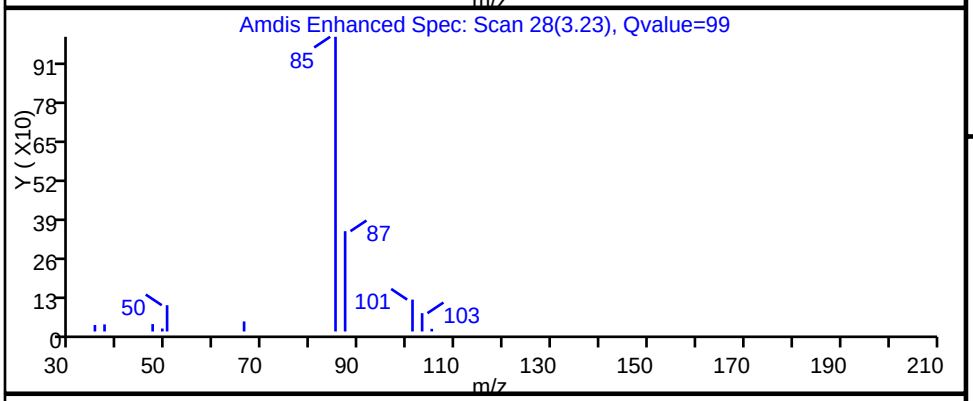
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

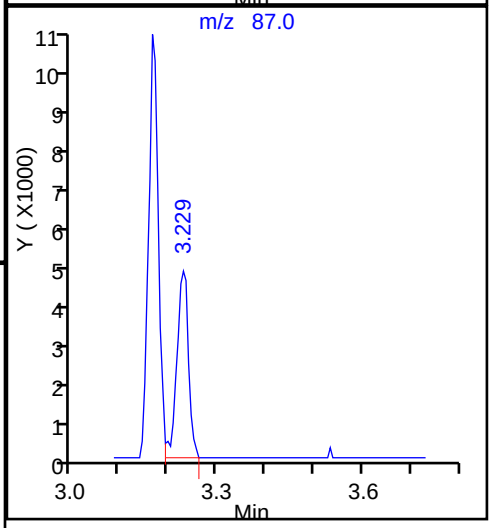
Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

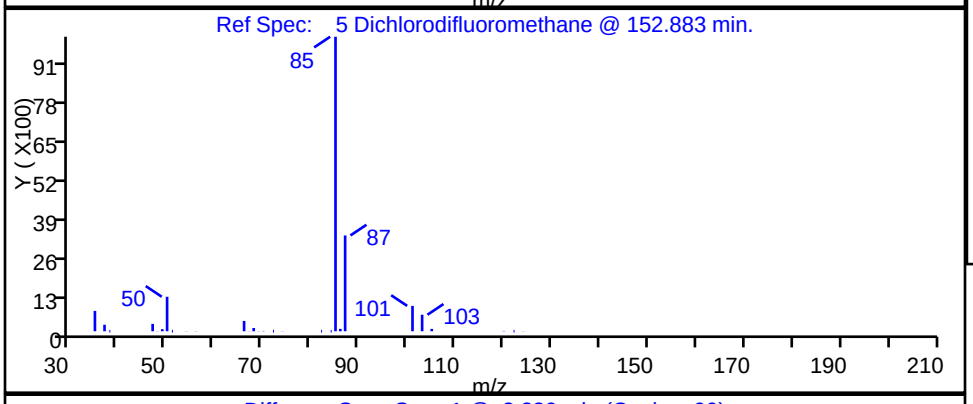
5 Dichlorodifluoromethane, CAS: 75-71-8

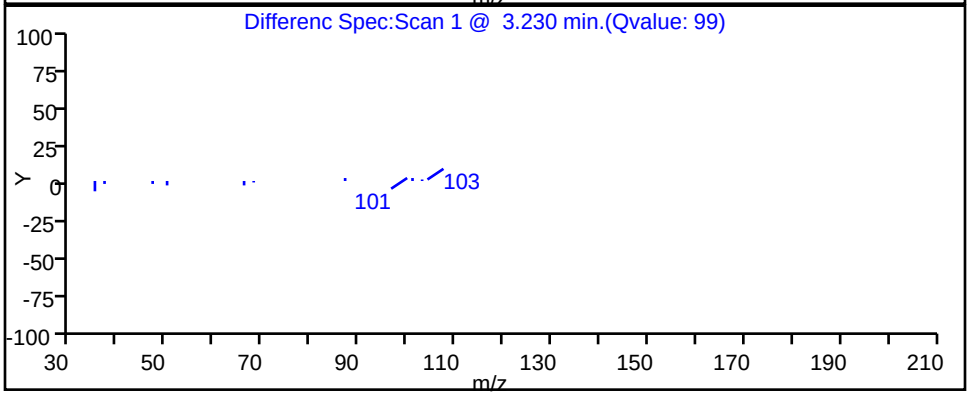












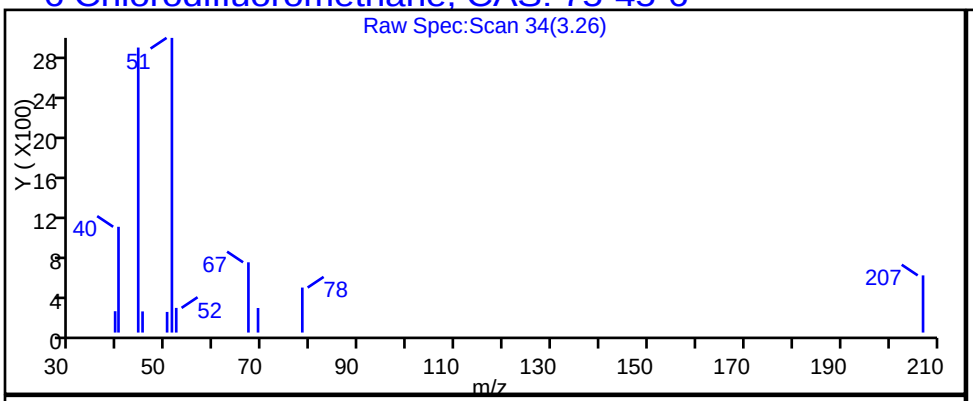
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

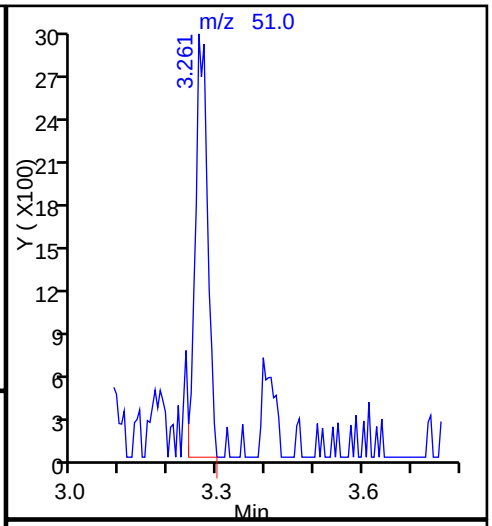
TestAmerica Burlington

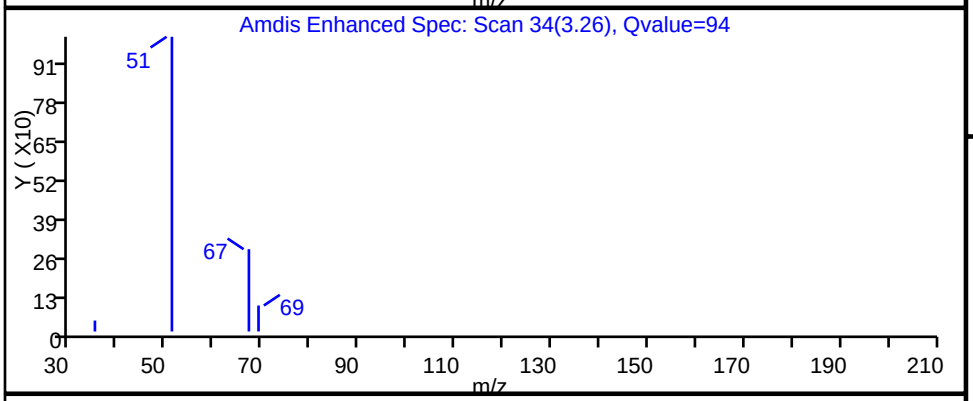
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

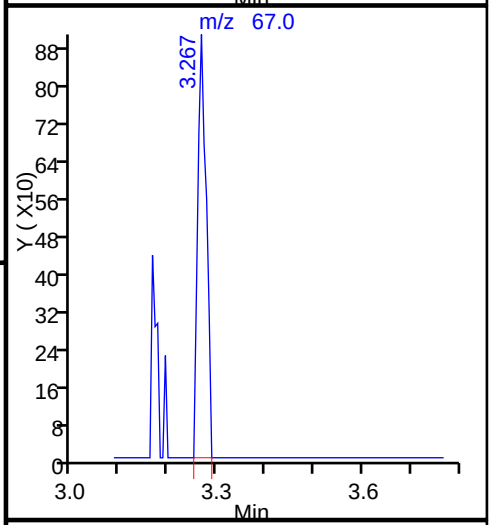
Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

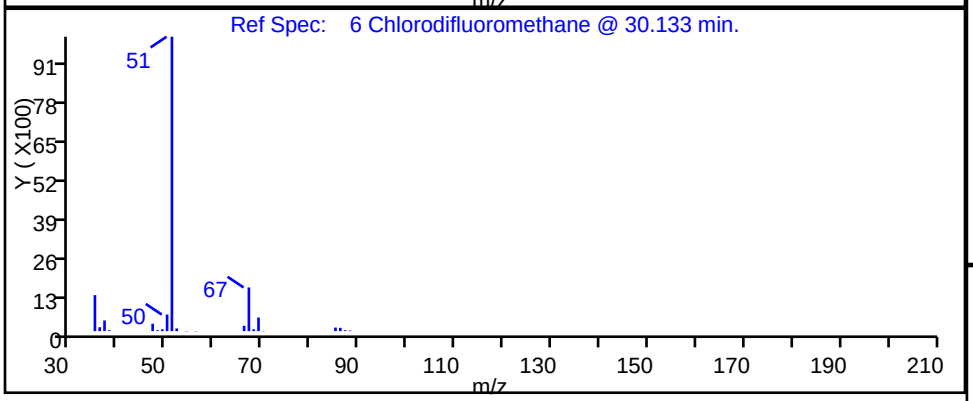
6 Chlorodifluoromethane, CAS: 75-45-6

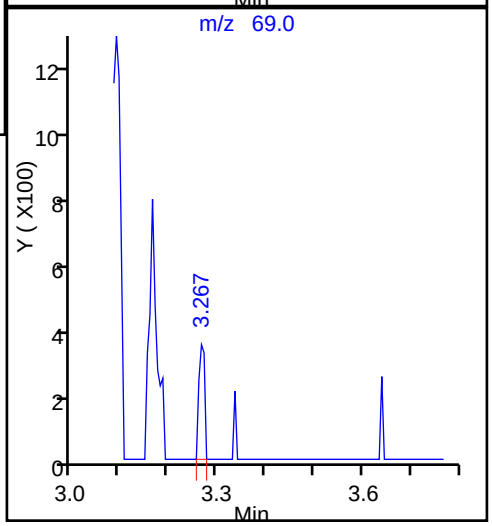












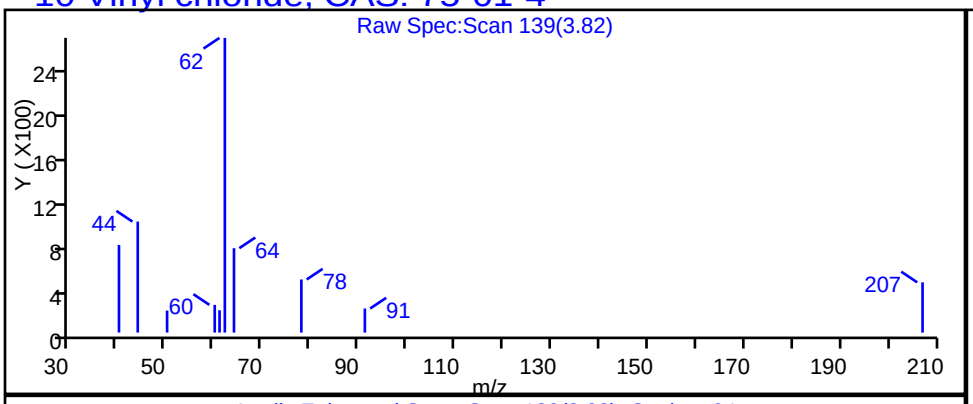
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

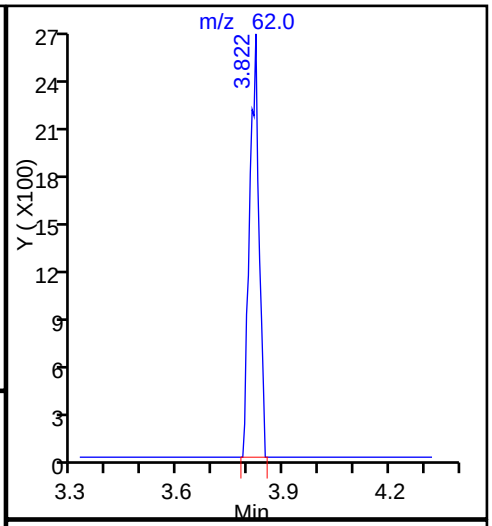
TestAmerica Burlington

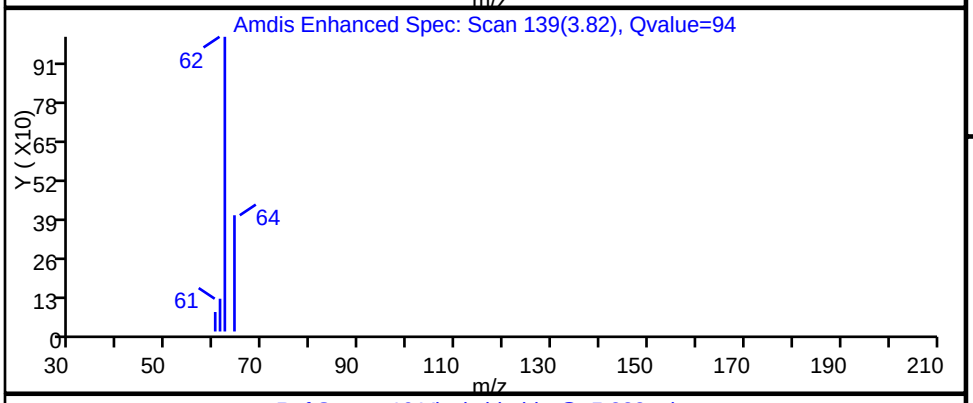
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

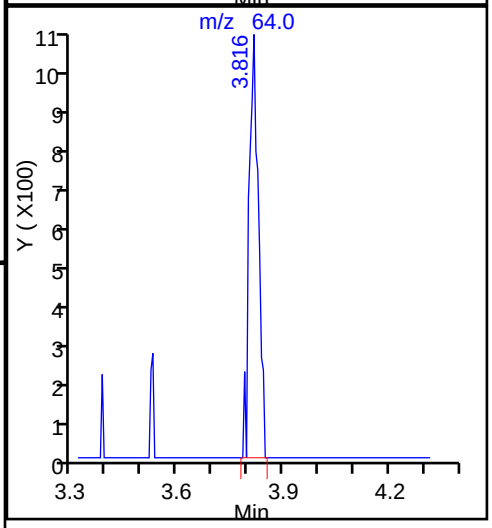
Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

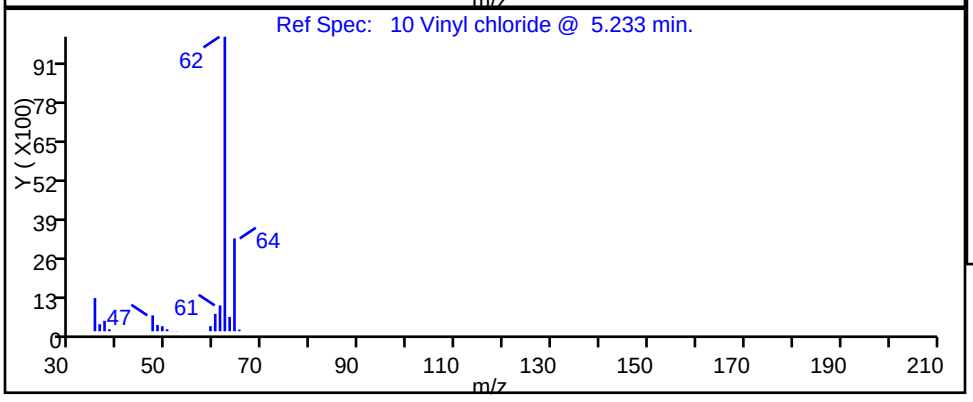
10 Vinyl chloride, CAS: 75-01-4











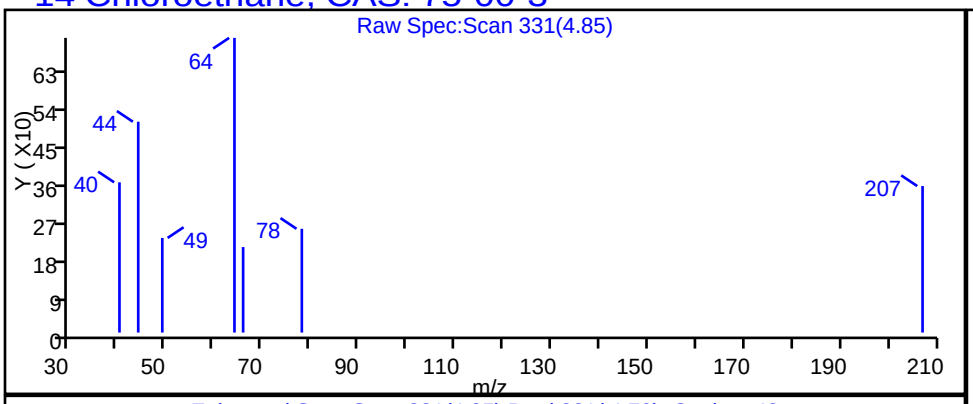
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

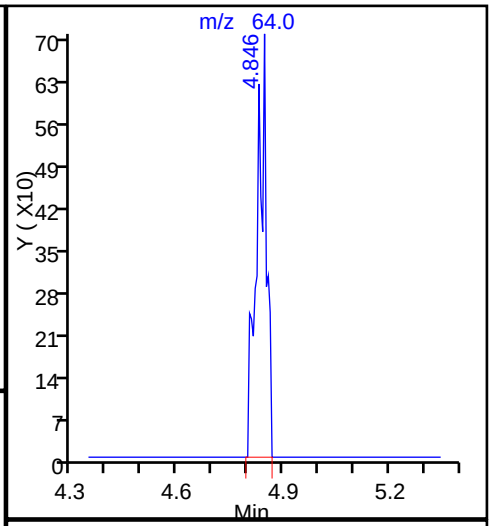
TestAmerica Burlington

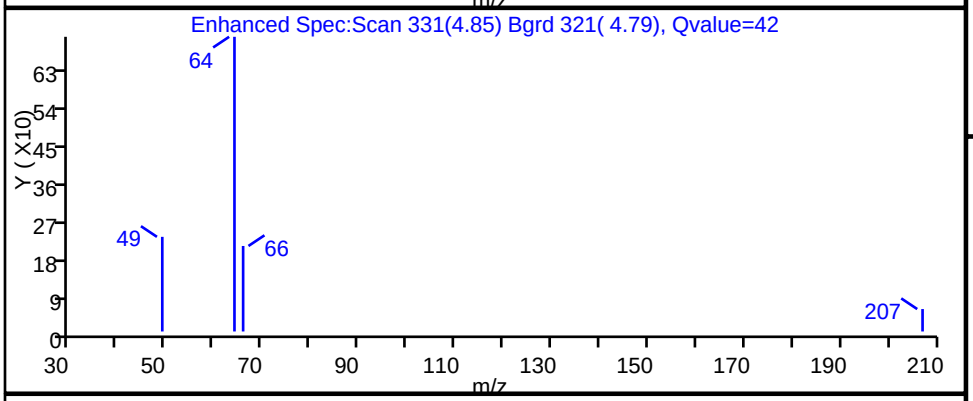
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

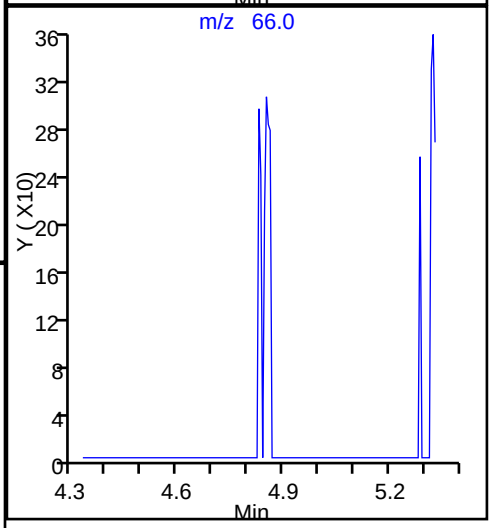
Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

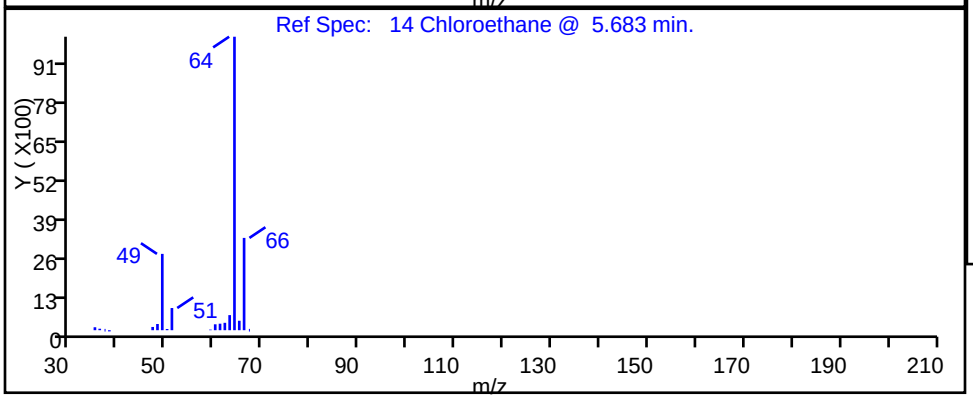
14 Chloroethane, CAS: 75-00-3











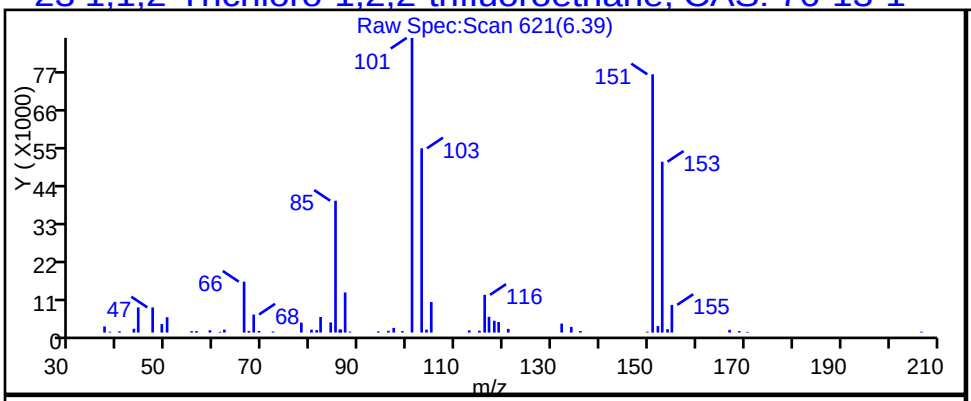
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

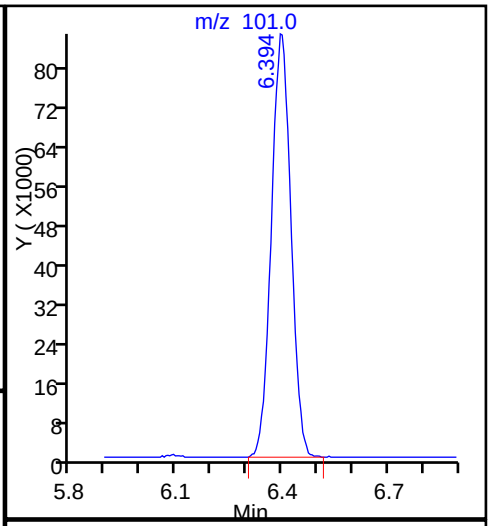
TestAmerica Burlington

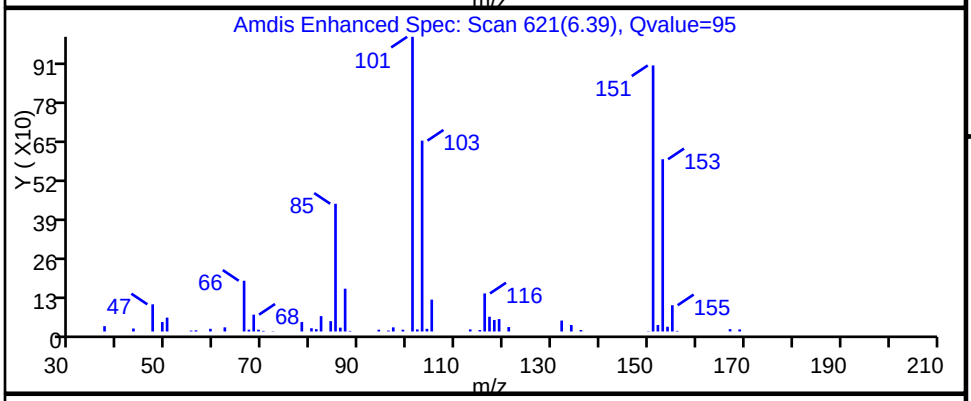
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

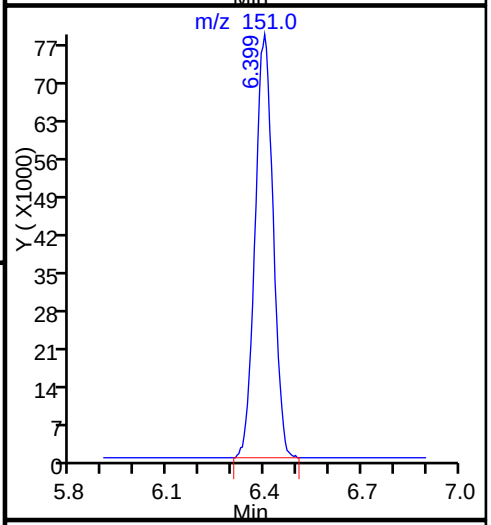
Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1
Client ID:	GCTS PRE CARBON		
Operator ID:	pad	ALS Bottle#:	4 Worklist Smp#: 5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

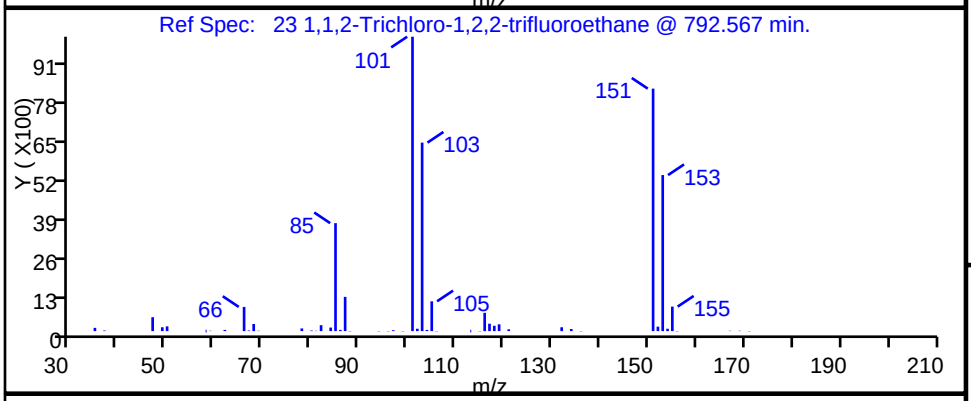
23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

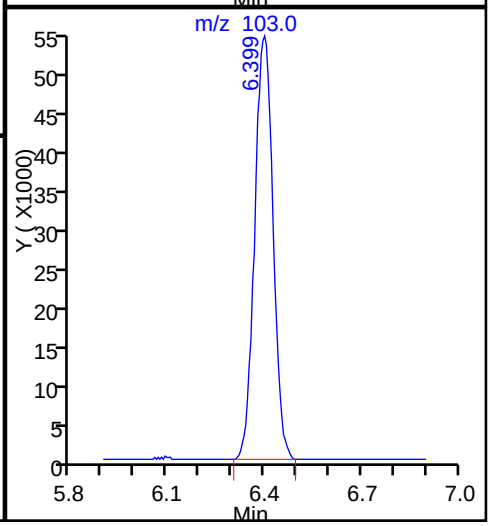


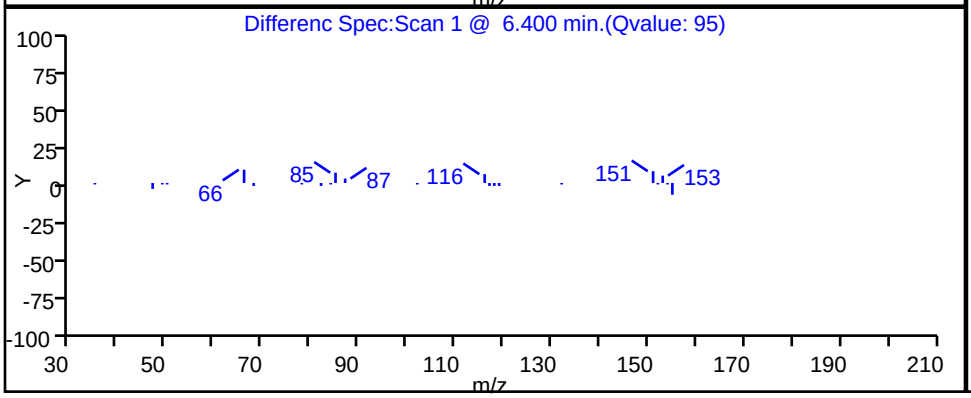












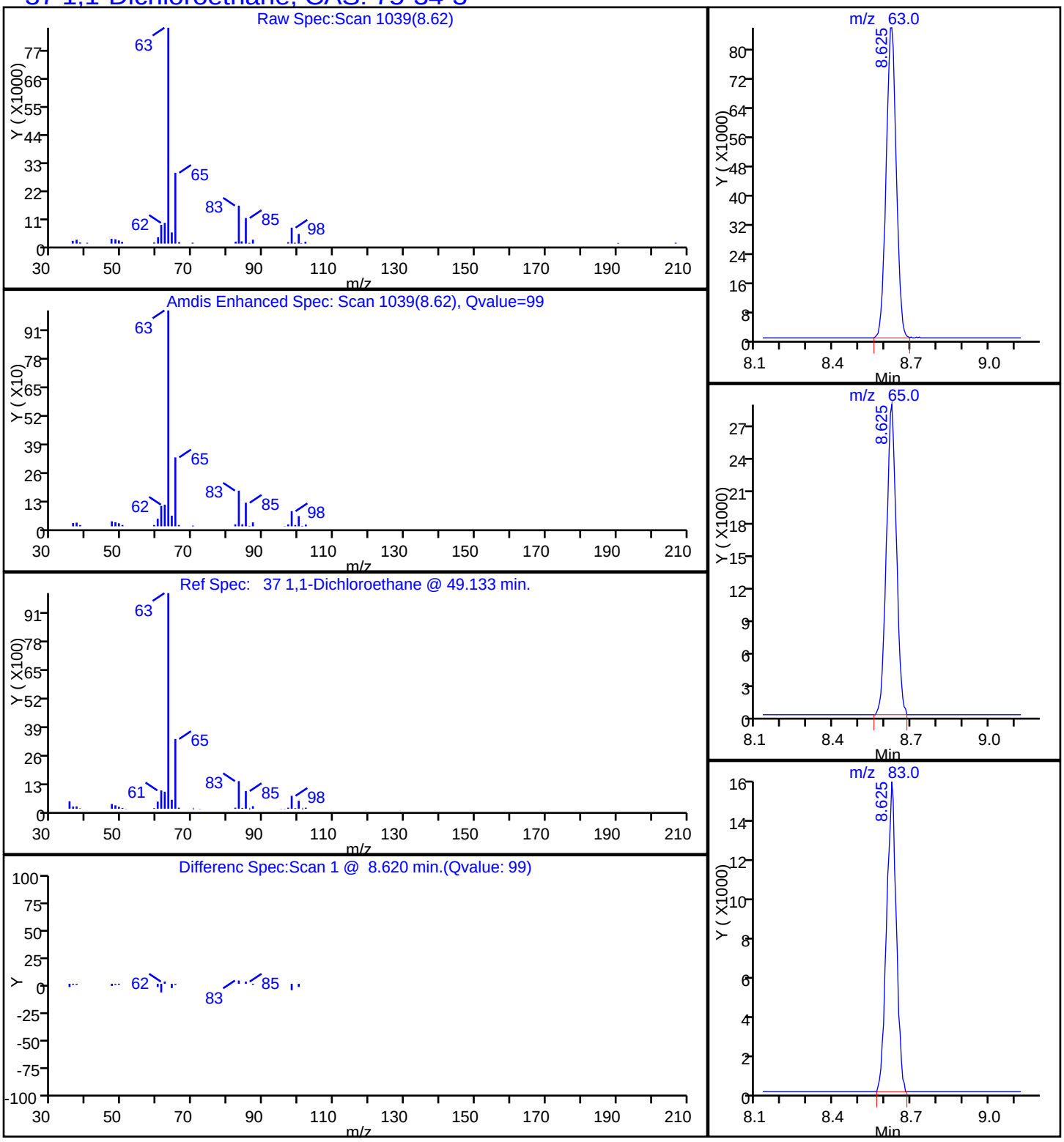
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



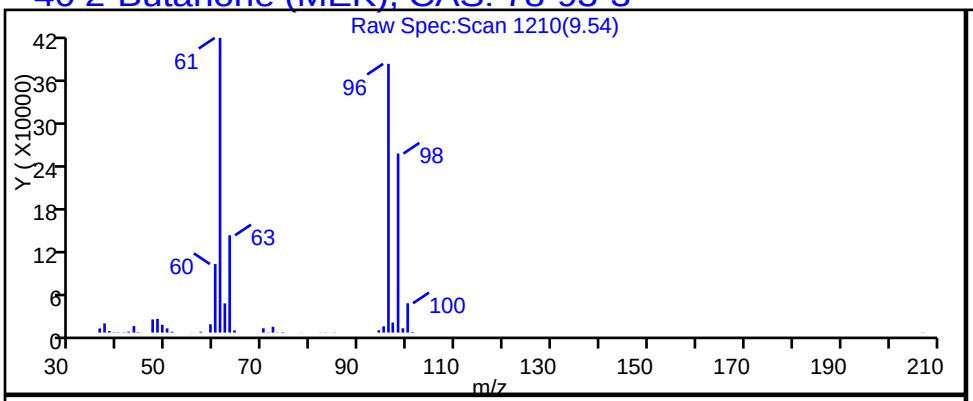
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

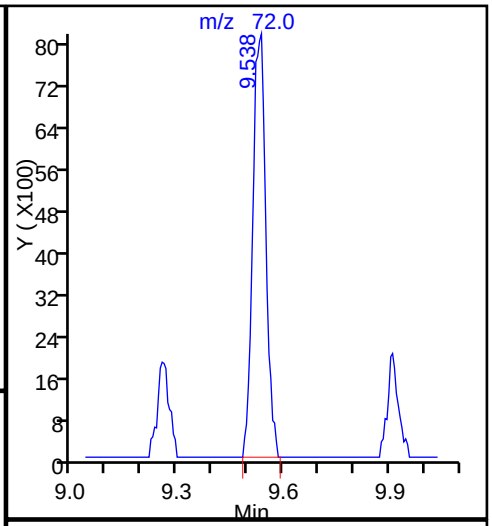
TestAmerica Burlington

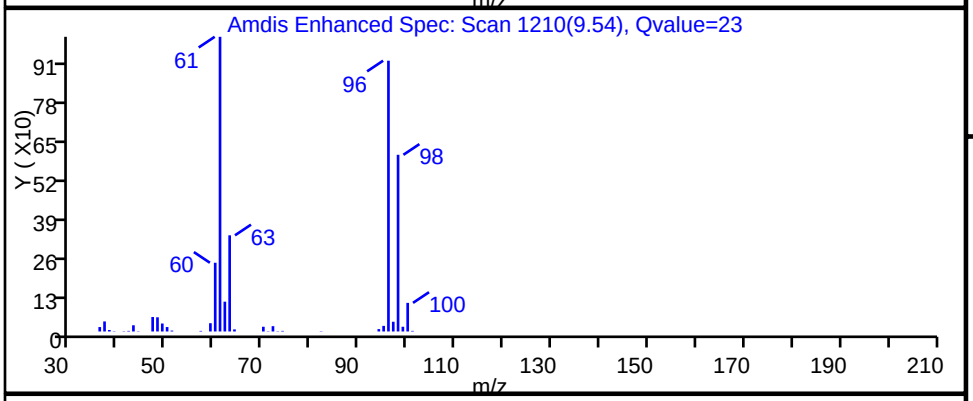
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

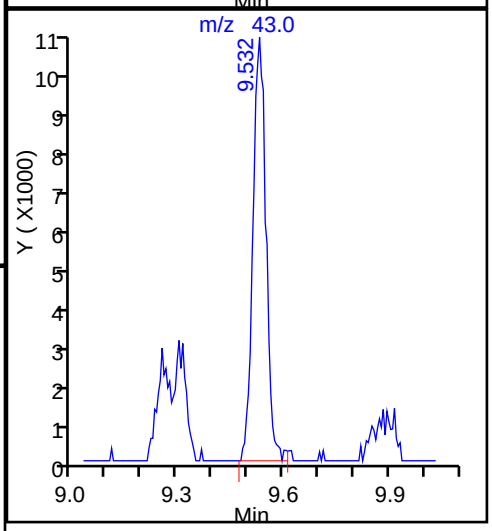
Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

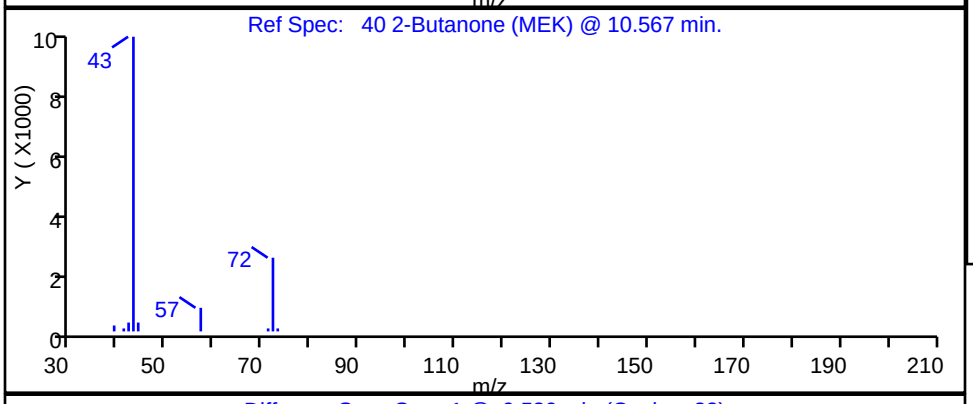
40 2-Butanone (MEK), CAS: 78-93-3

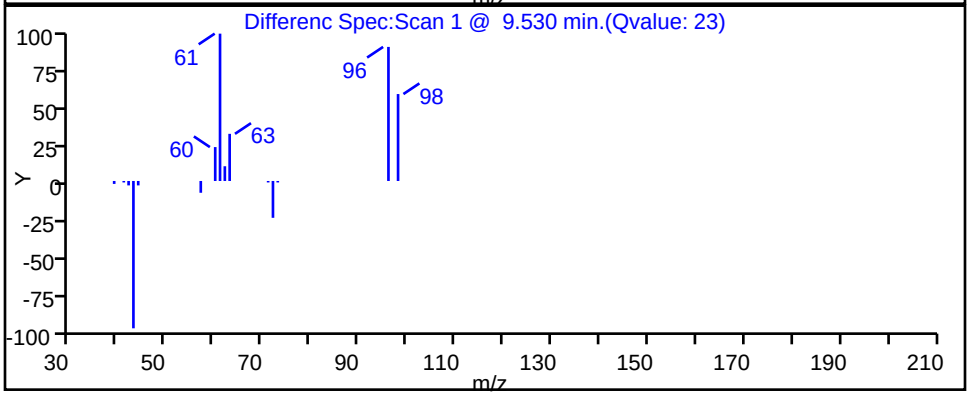












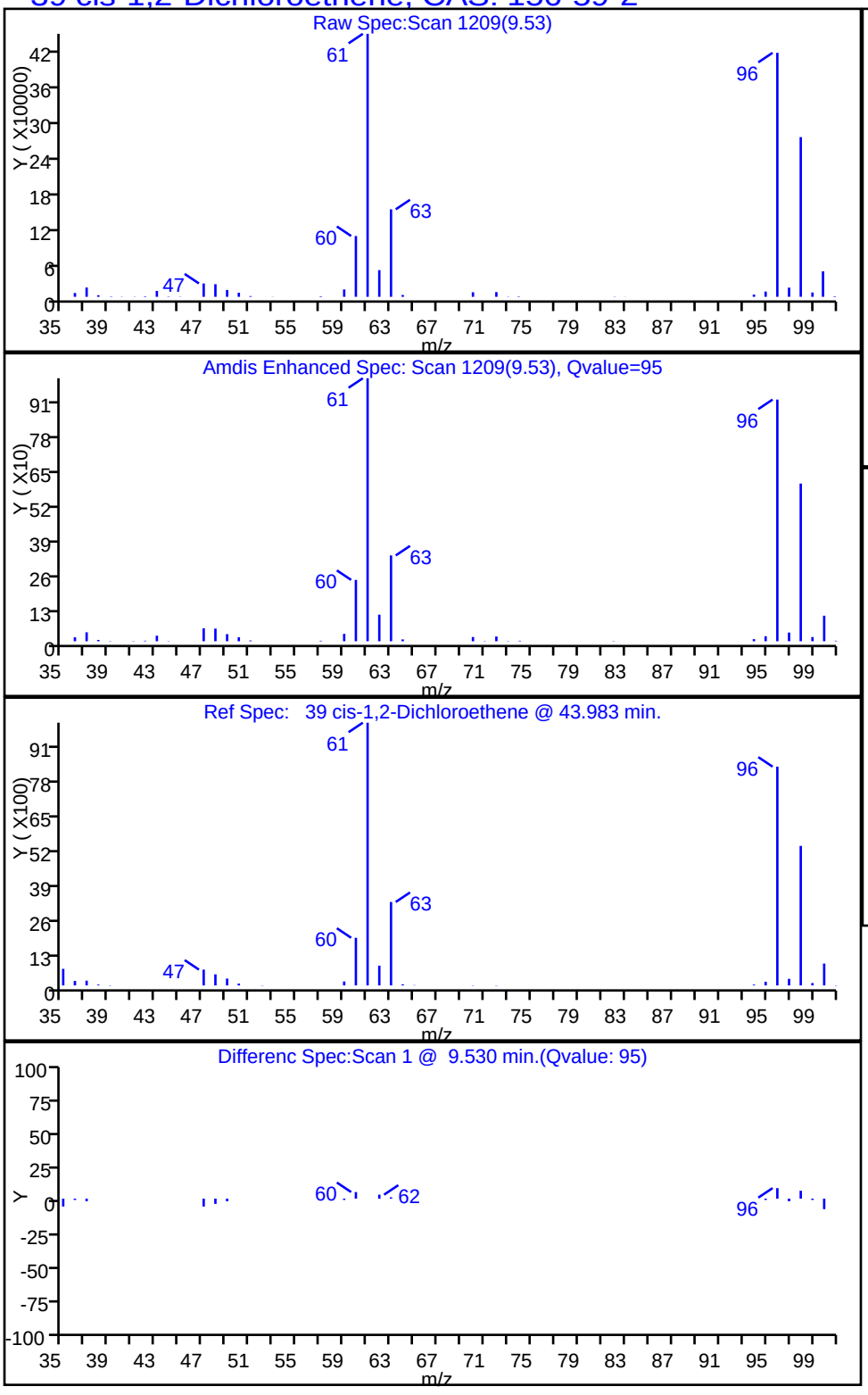
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

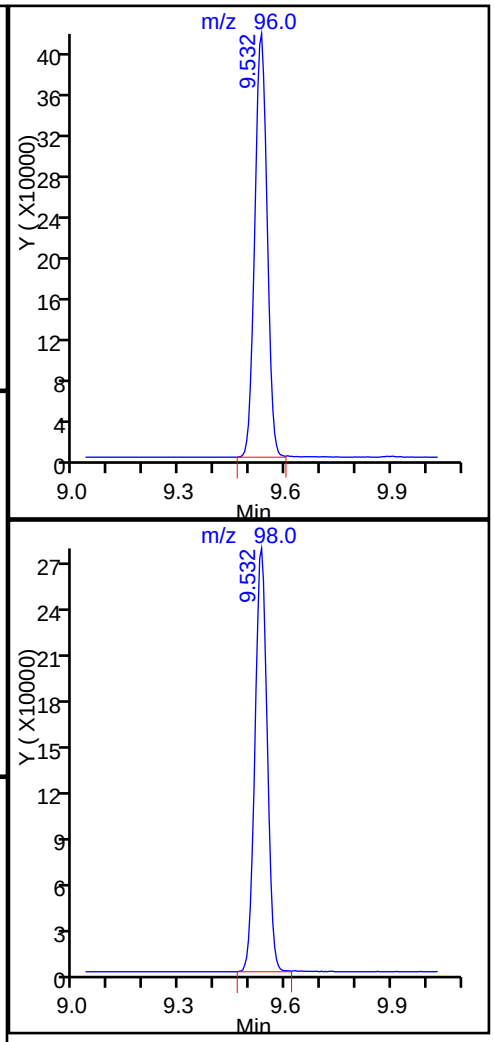
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2





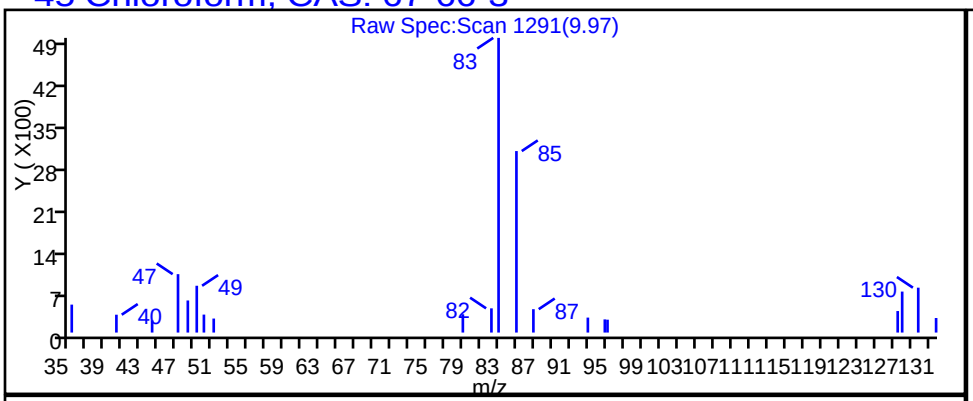
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

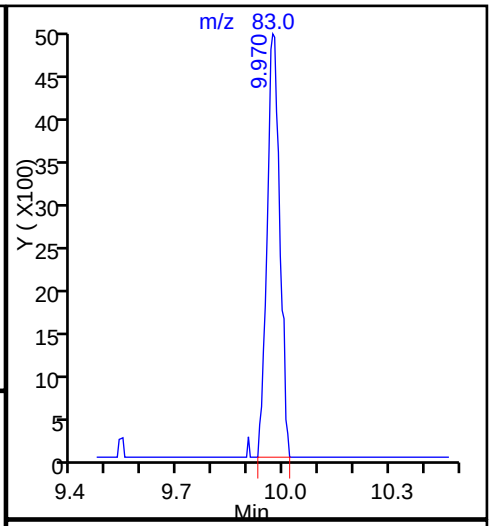
TestAmerica Burlington

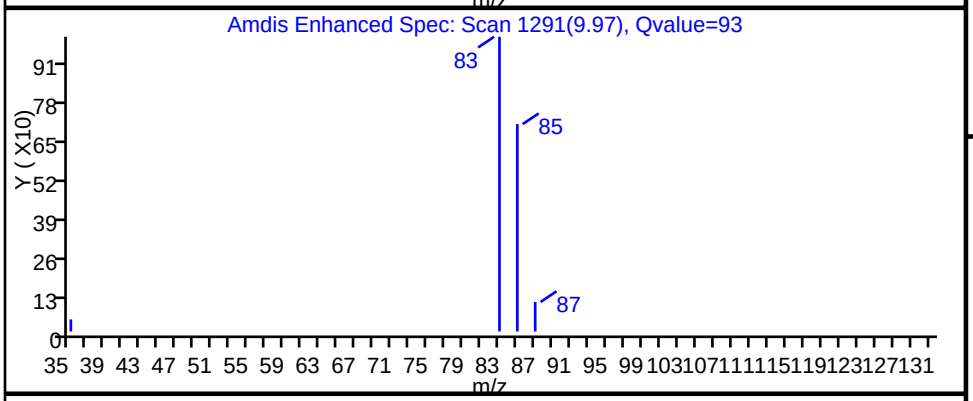
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

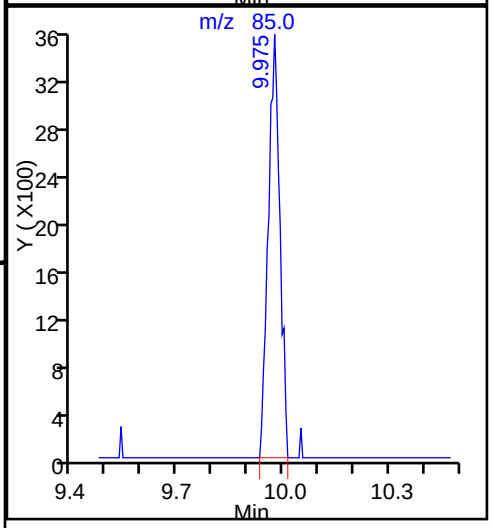
Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

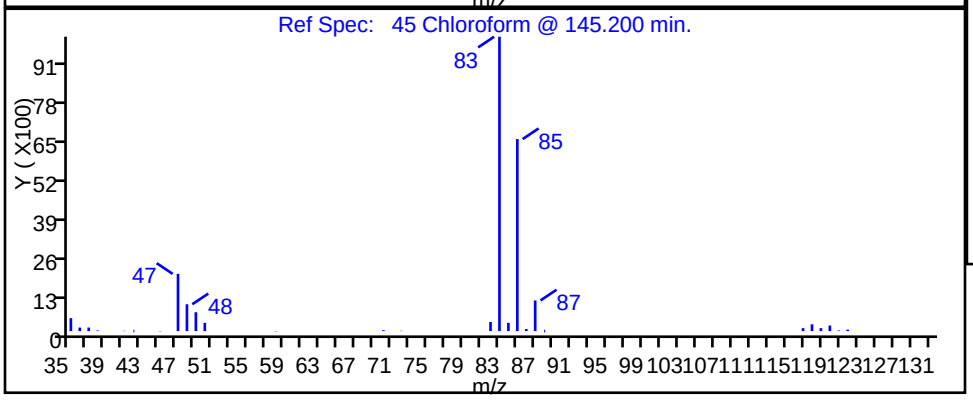
45 Chloroform, CAS: 67-66-3











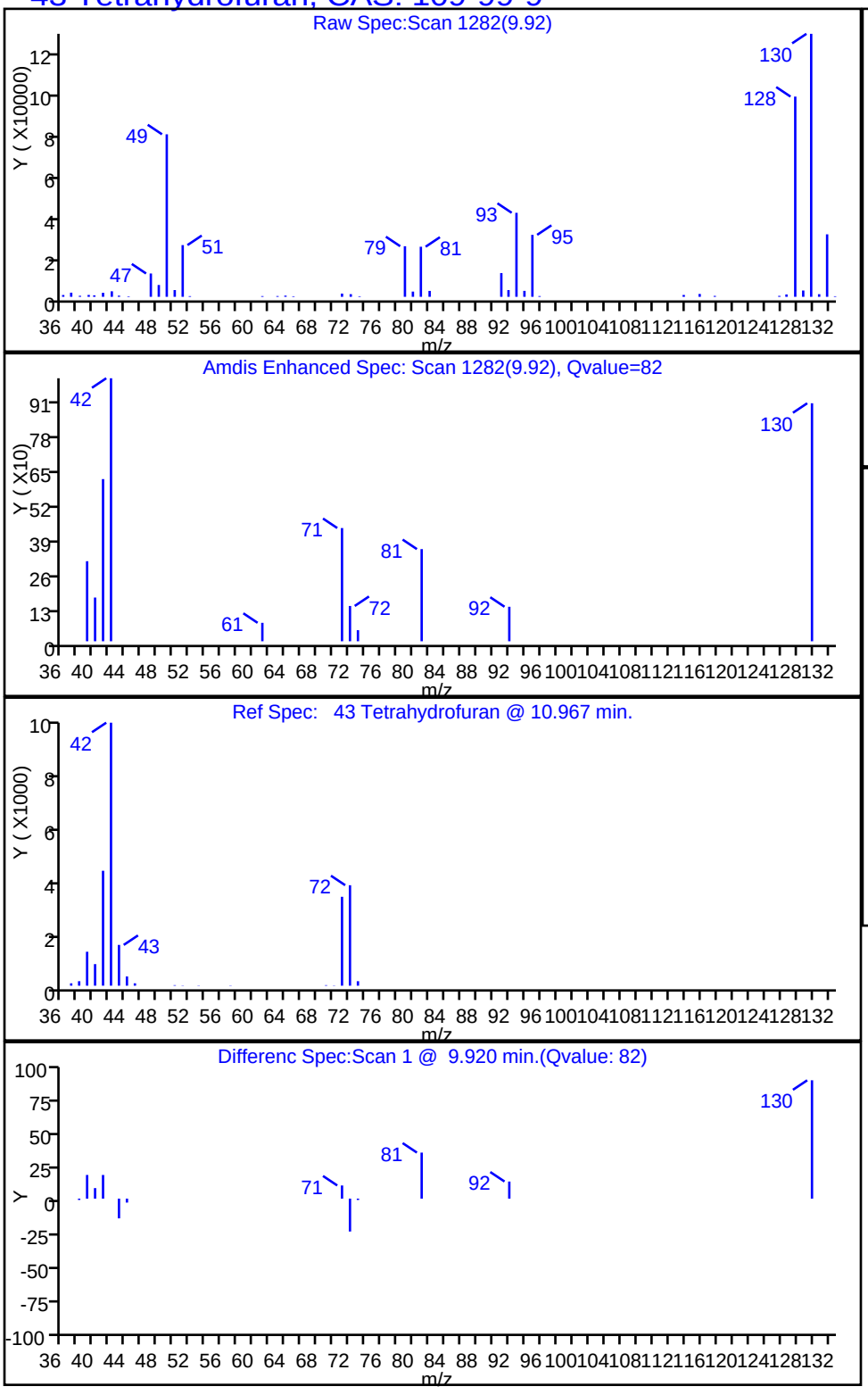
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

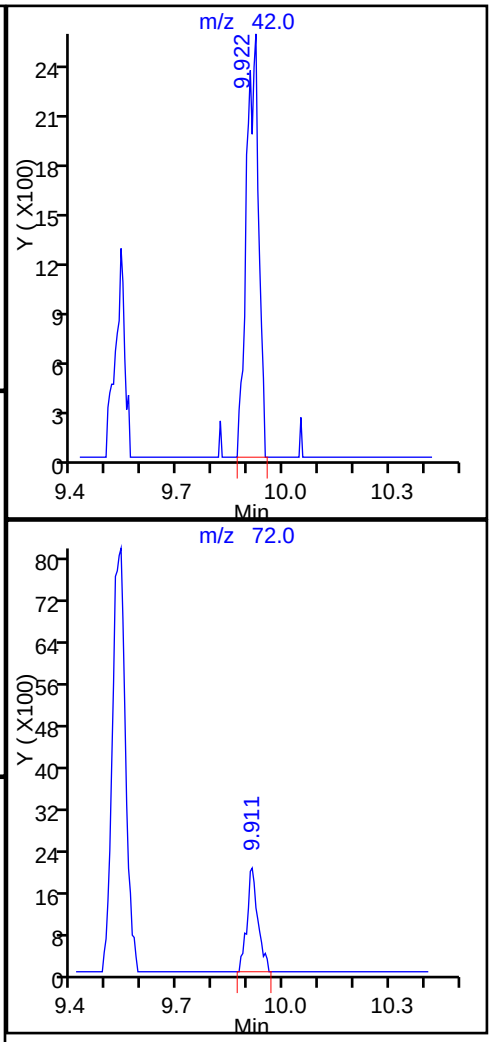
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Tetrahydrofuran, CAS: 109-99-9





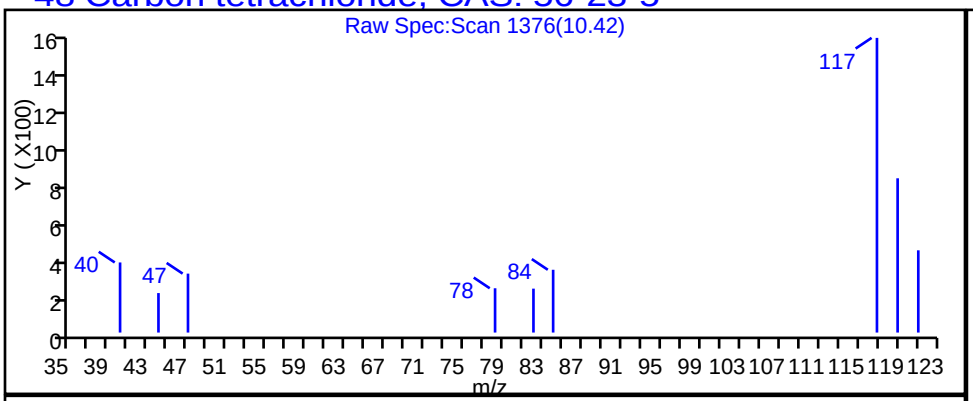
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

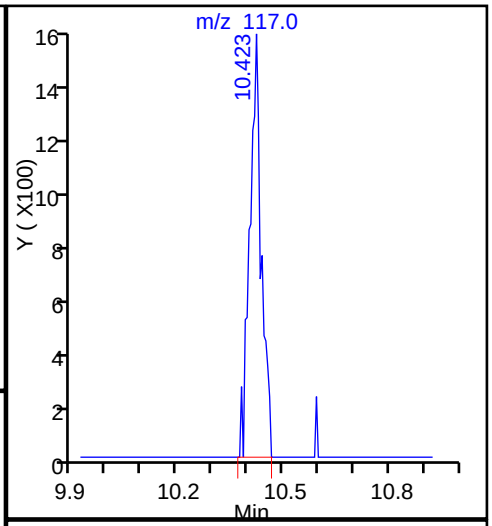
TestAmerica Burlington

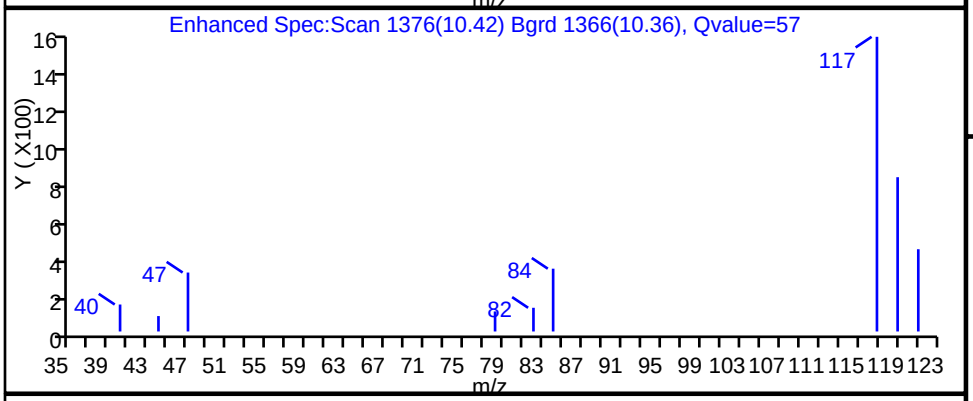
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

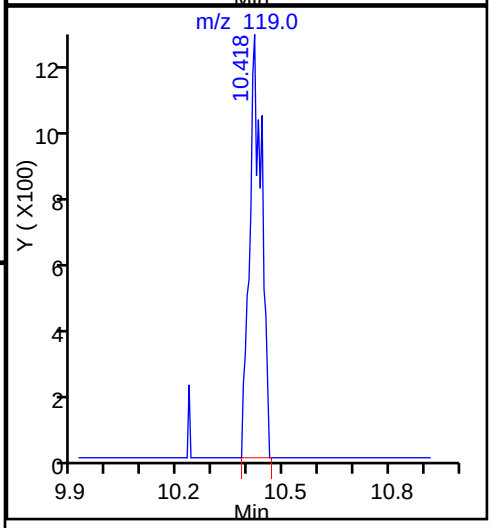
Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

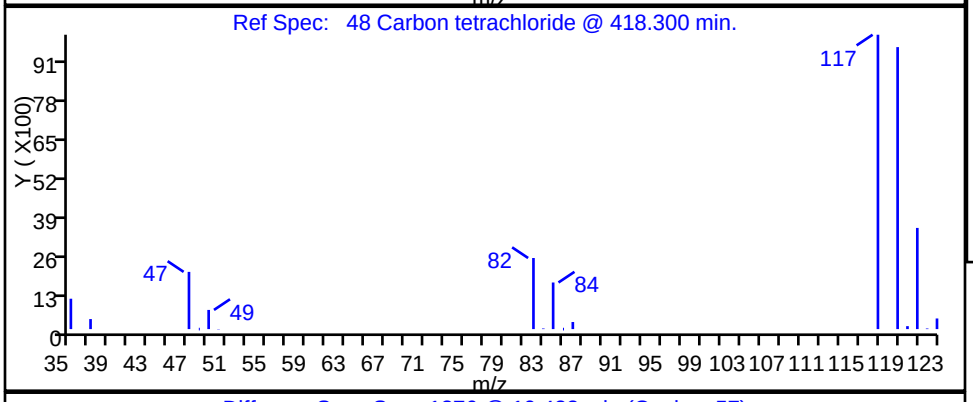
48 Carbon tetrachloride, CAS: 56-23-5

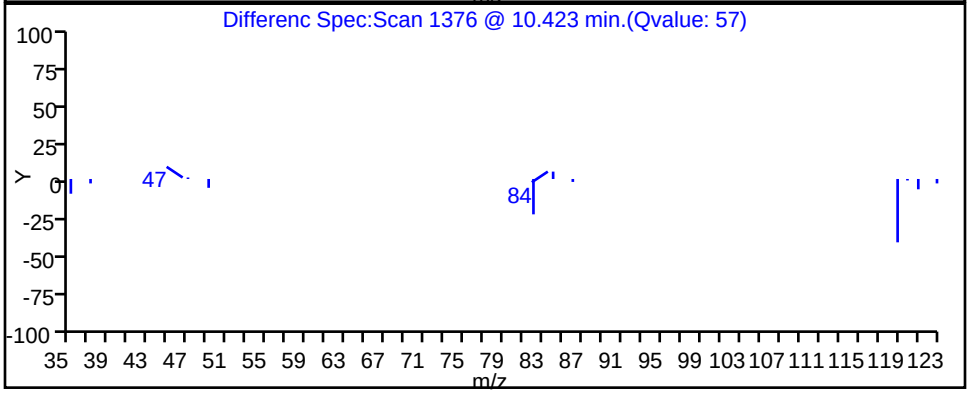












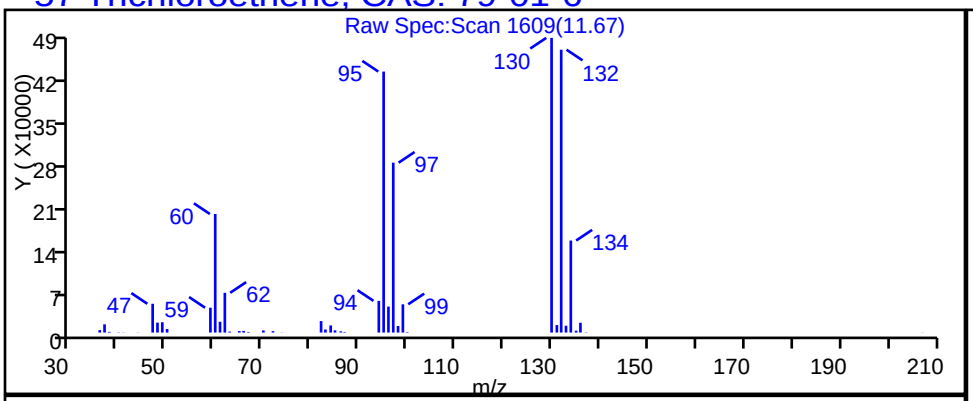
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

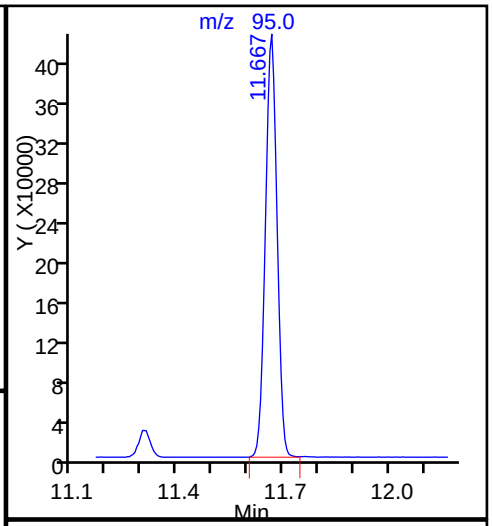
TestAmerica Burlington

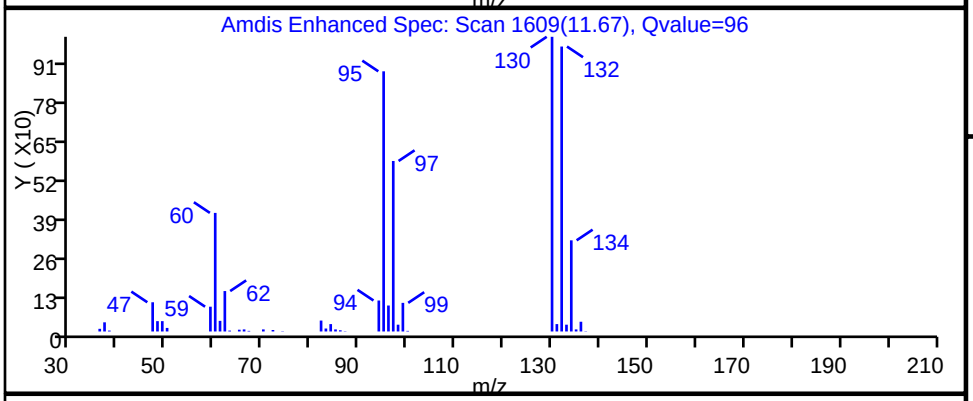
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

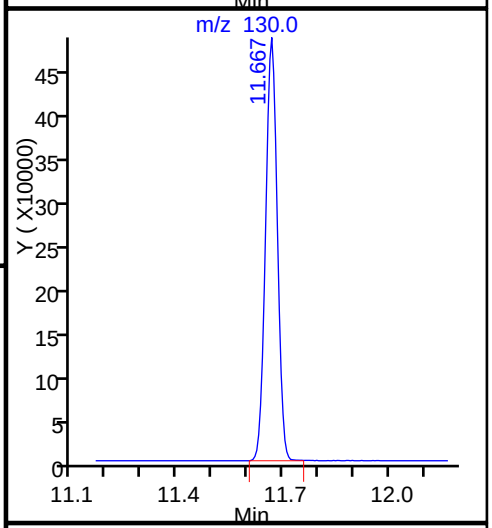
Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1
Client ID:	GCTS PRE CARBON		
Operator ID:	pad	ALS Bottle#:	4 Worklist Smp#: 5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

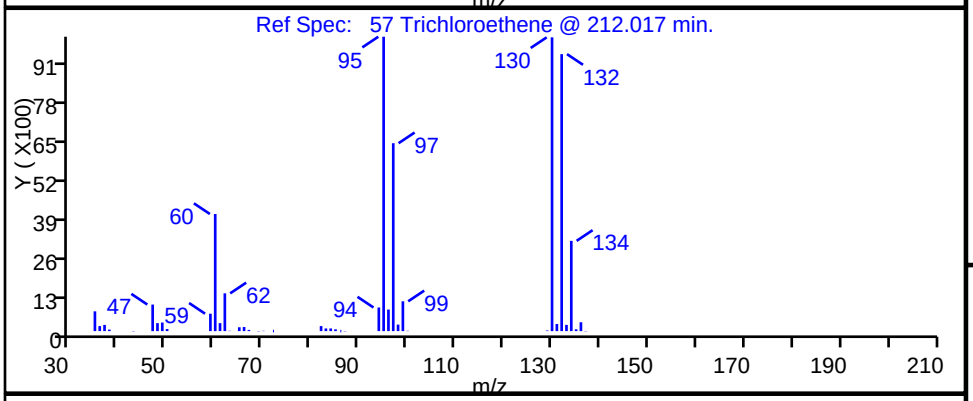
57 Trichloroethene, CAS: 79-01-6

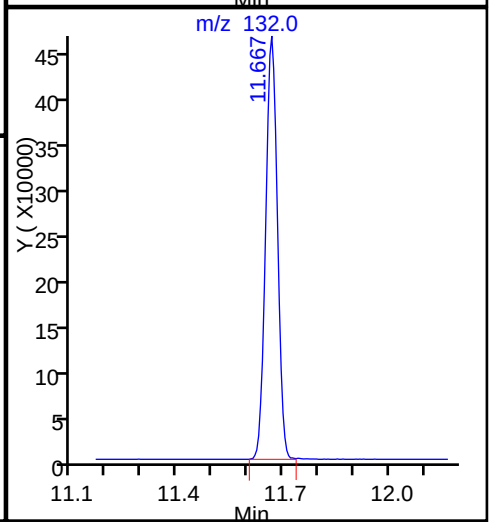


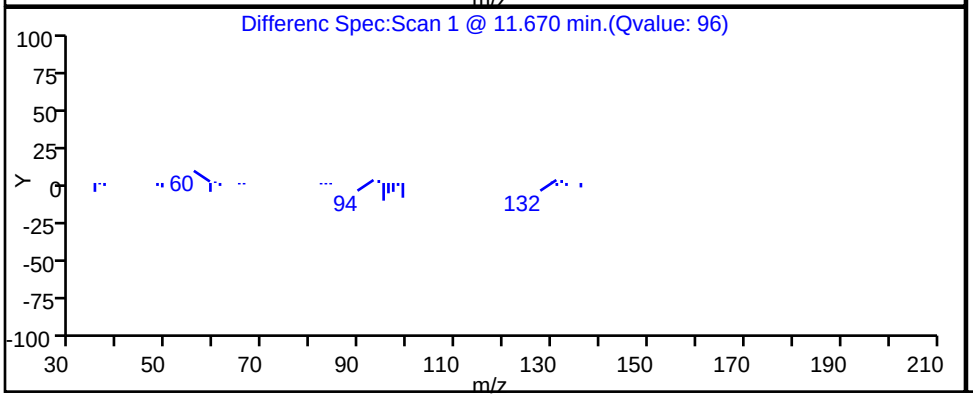












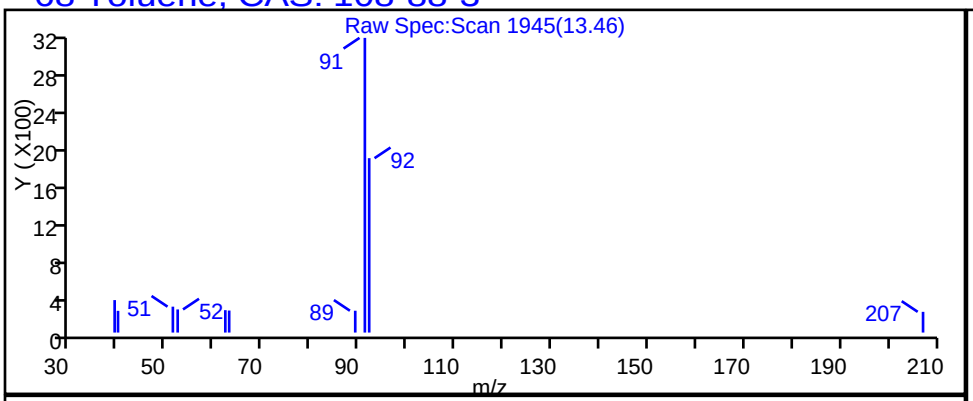
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

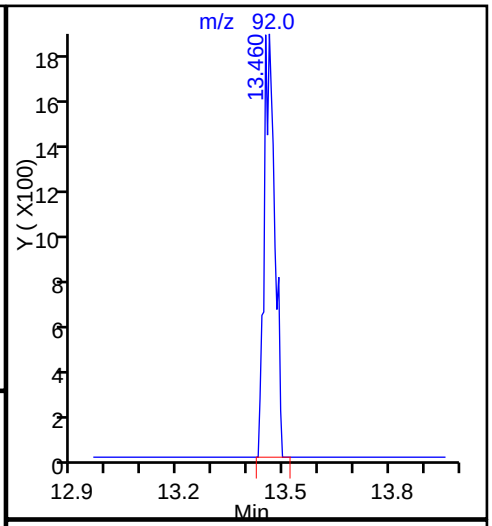
TestAmerica Burlington

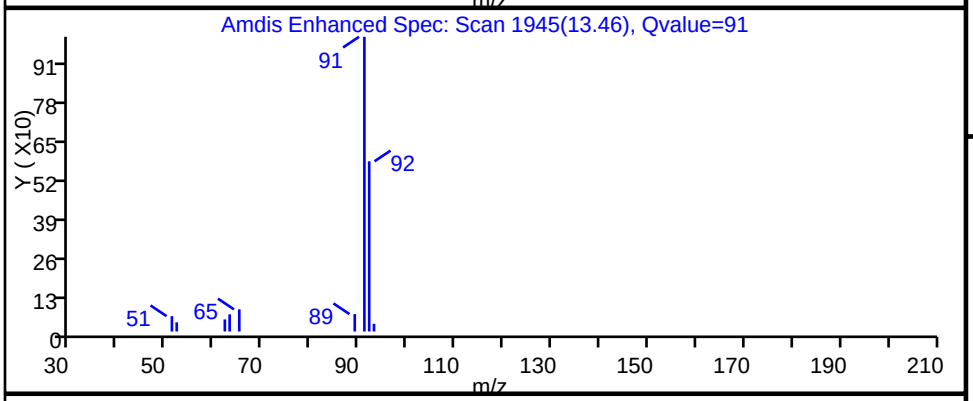
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

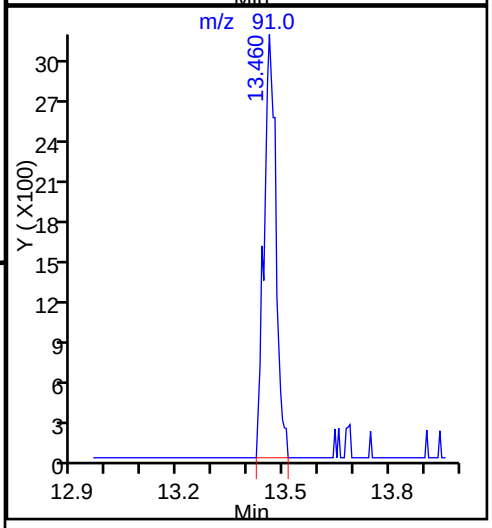
Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

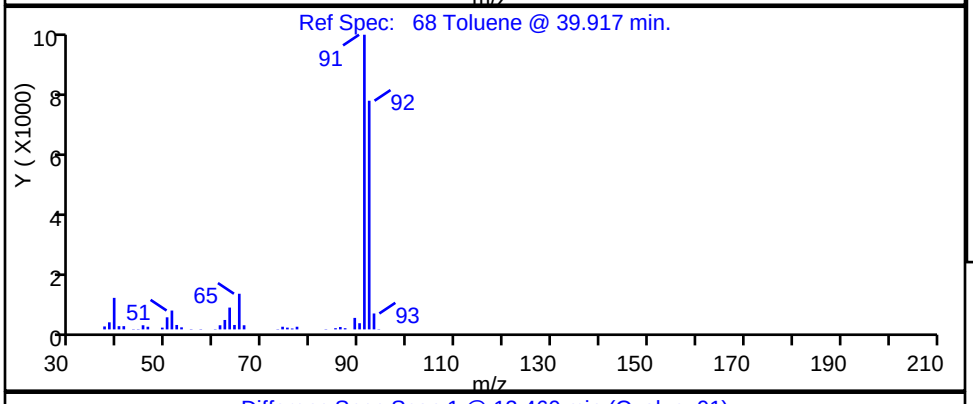
68 Toluene, CAS: 108-88-3

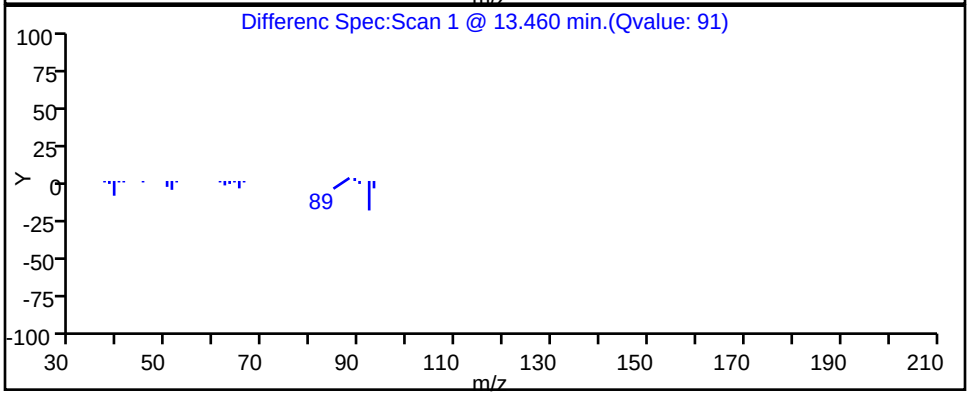












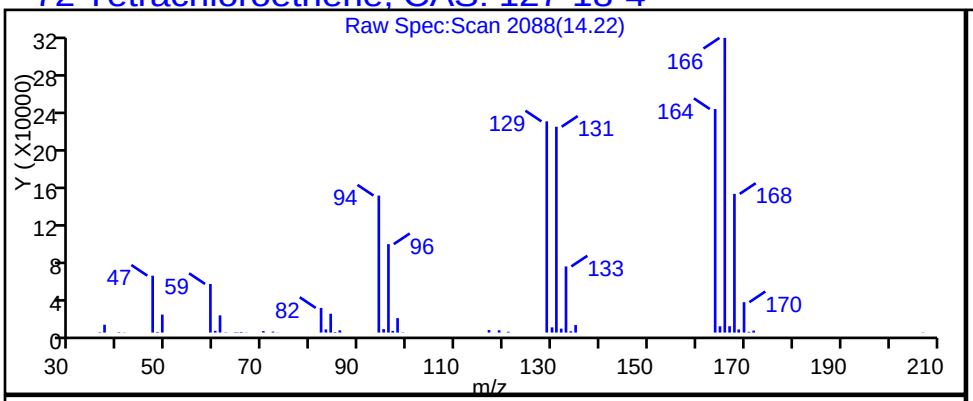
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

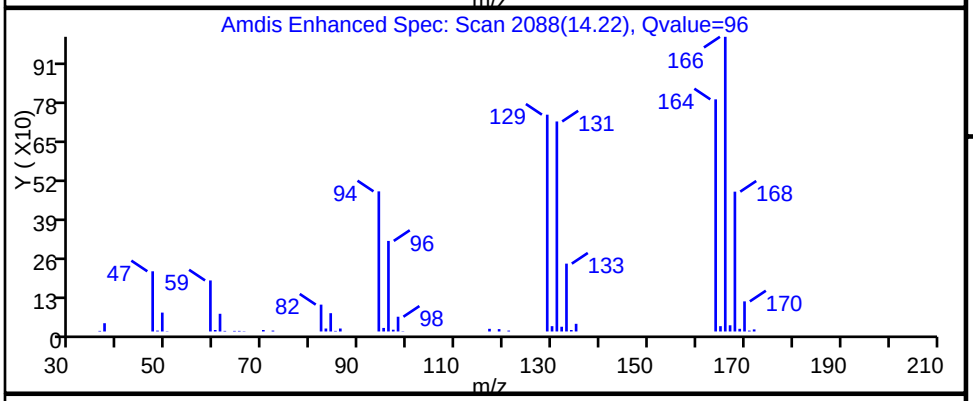
TestAmerica Burlington

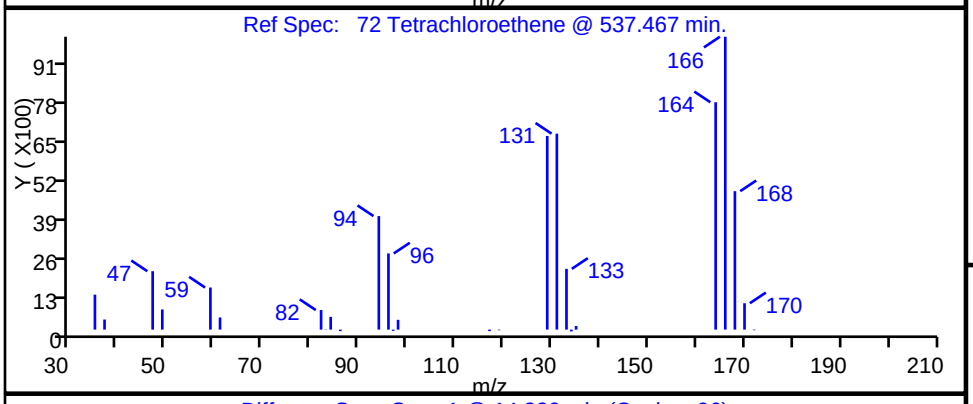
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

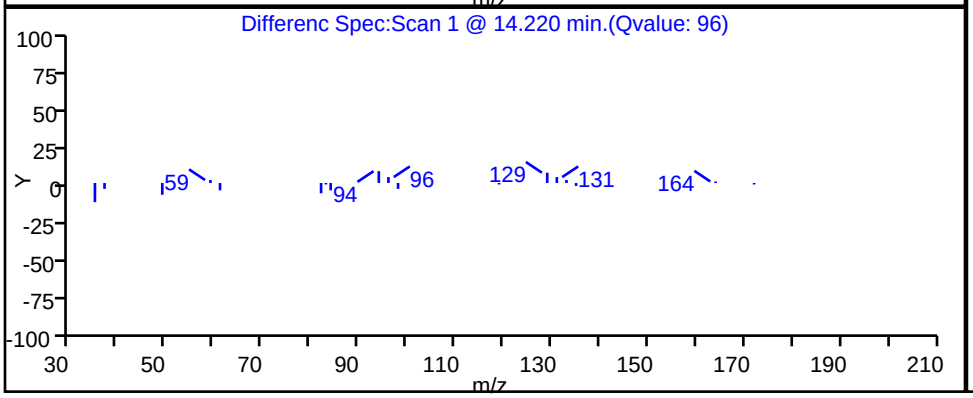
Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1
Client ID:	GCTS PRE CARBON		
Operator ID:	pad	ALS Bottle#:	4 Worklist Smp#: 5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

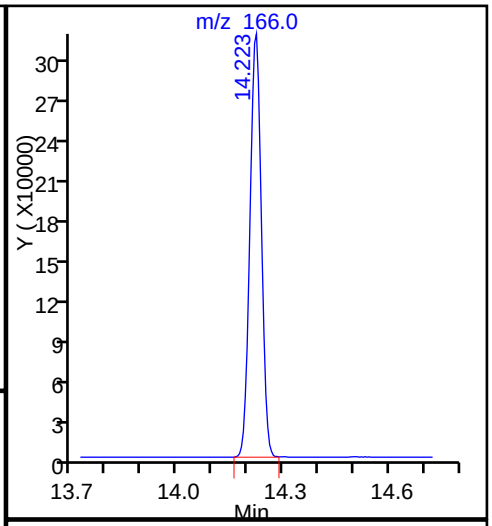
72 Tetrachloroethene, CAS: 127-18-4

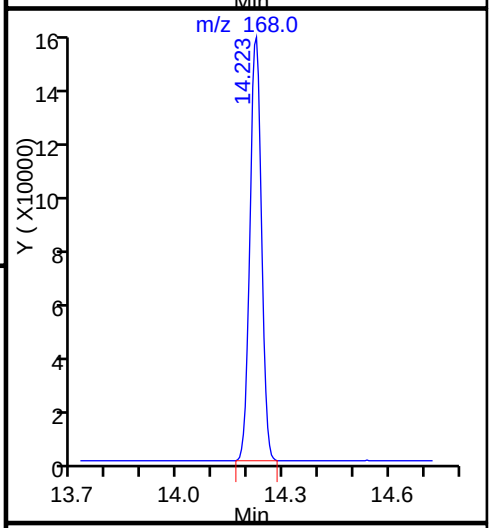


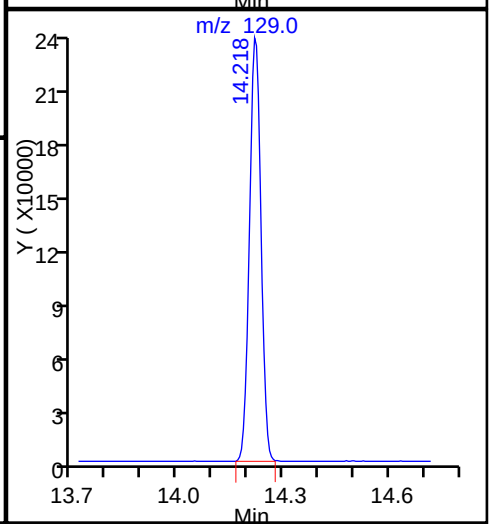












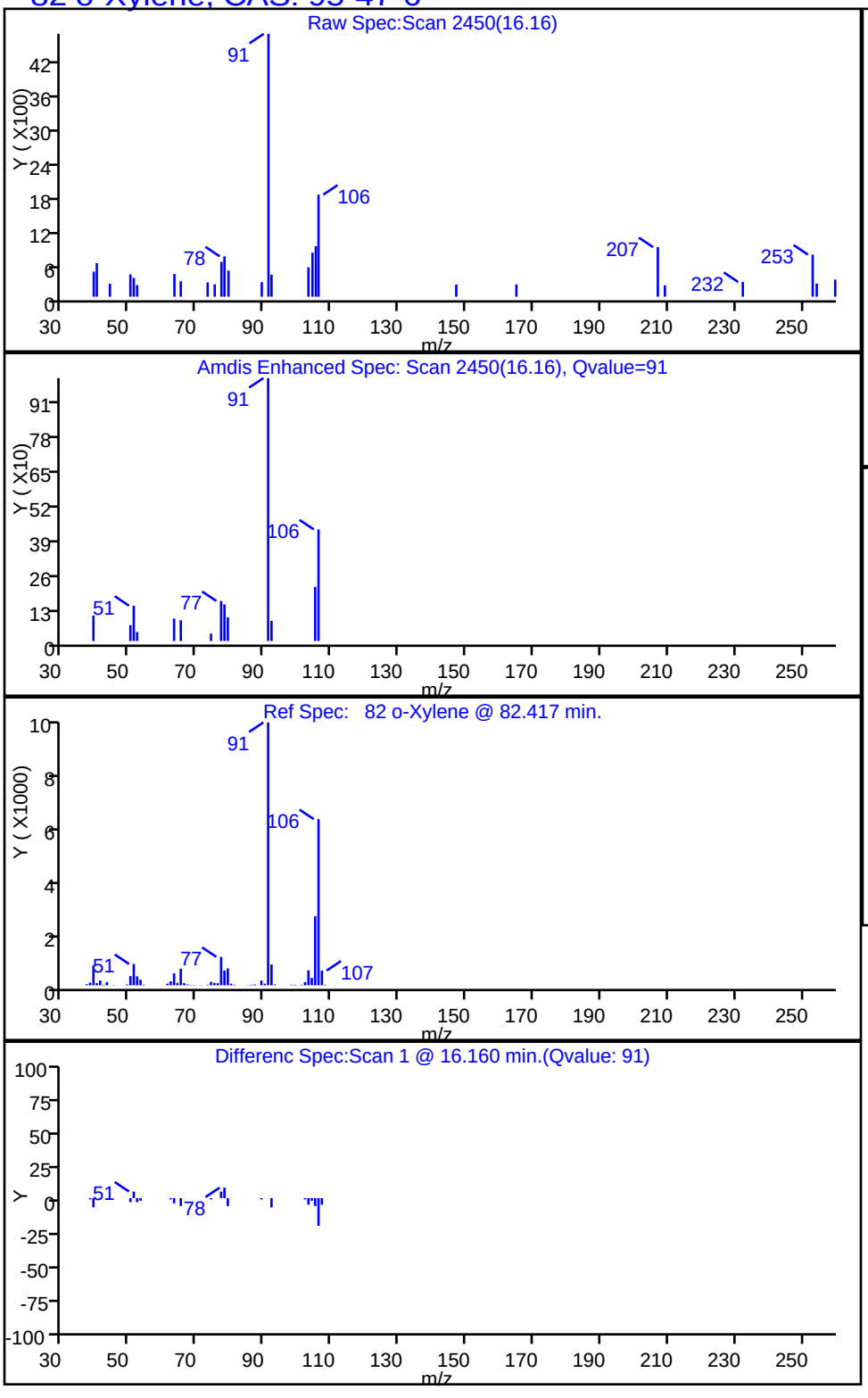
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

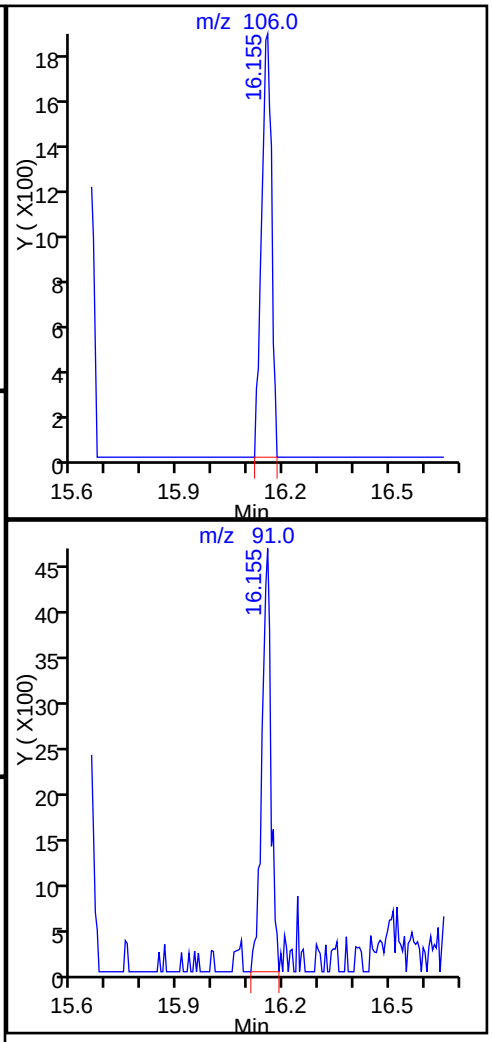
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1
Client ID:	GCTS PRE CARBON		
Operator ID:	pad	ALS Bottle#:	4 Worklist Smp#: 5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

82 o-Xylene, CAS: 95-47-6





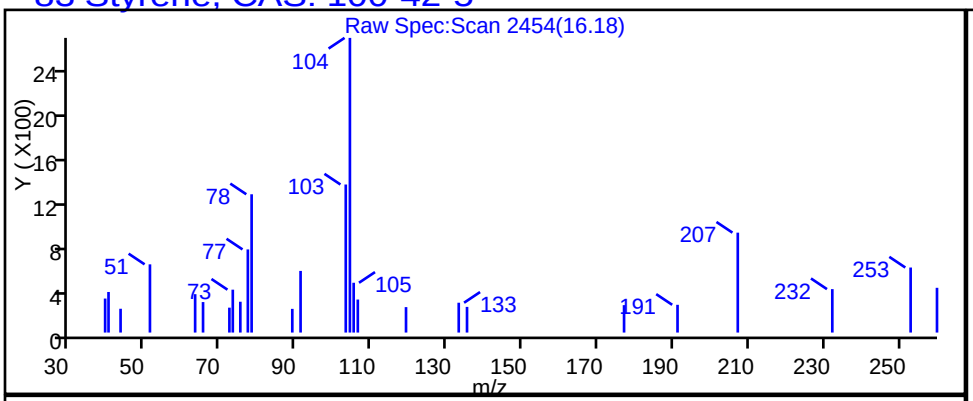
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

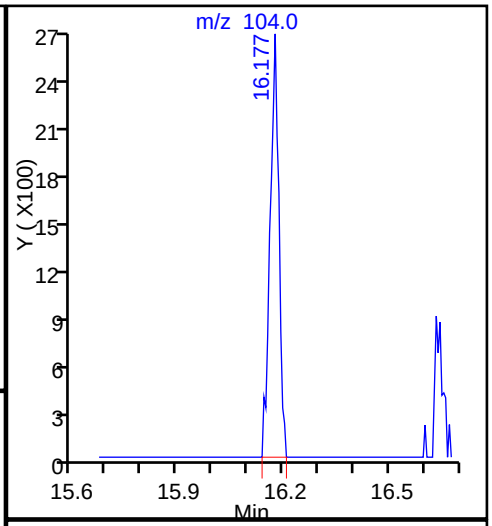
TestAmerica Burlington

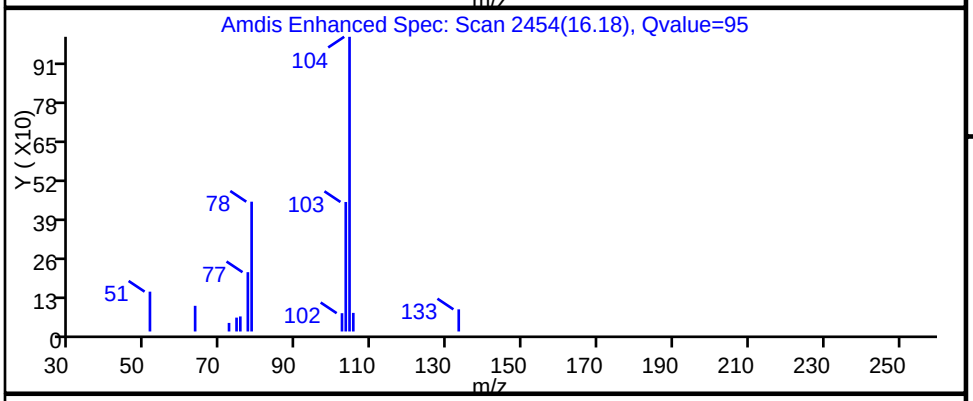
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D

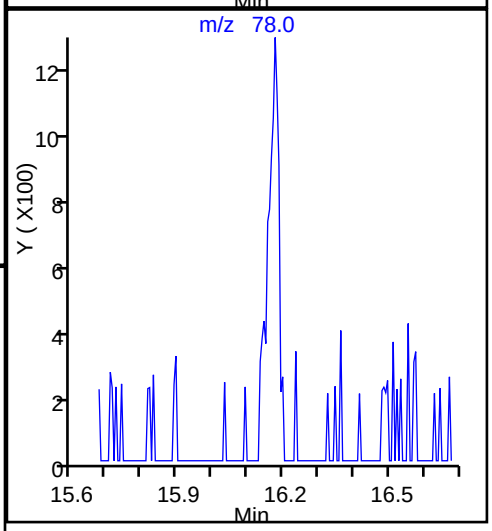
Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1
Client ID:	GCTS PRE CARBON		
Operator ID:	pad	ALS Bottle#:	4 Worklist Smp#: 5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

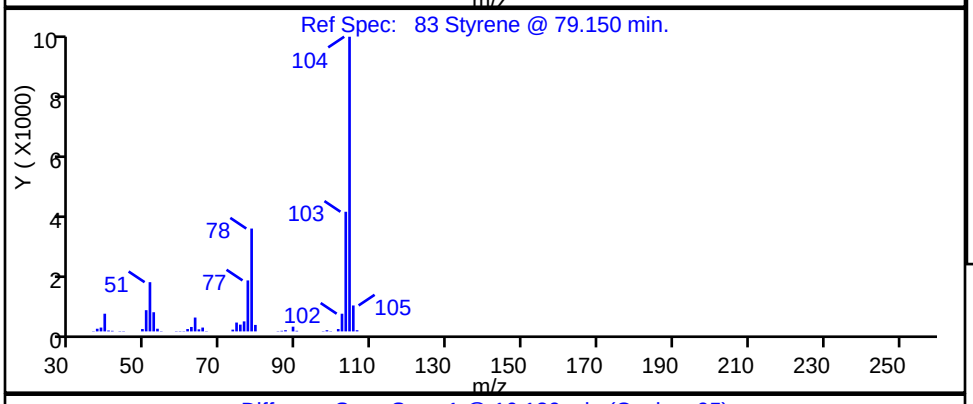
83 Styrene, CAS: 100-42-5

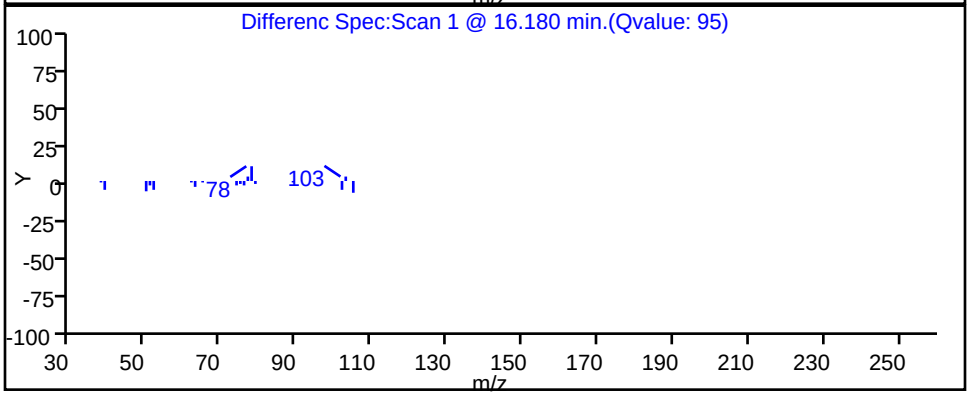










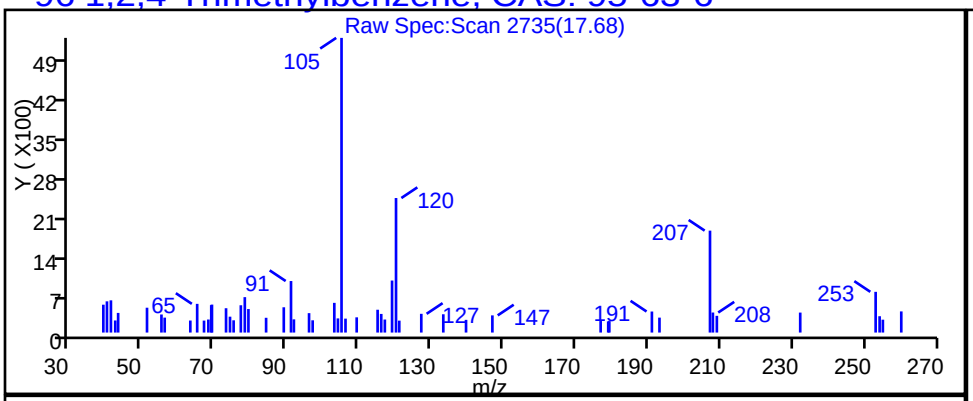


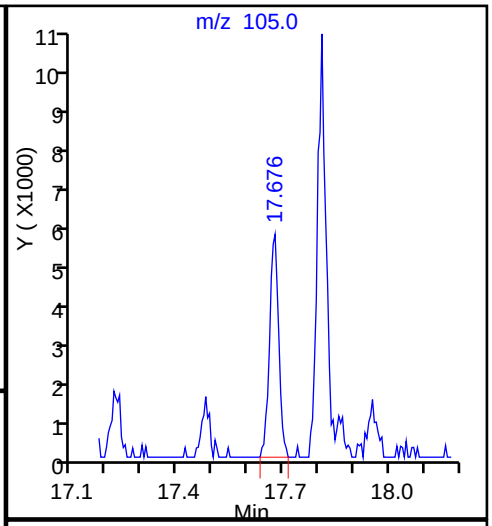
Report Date: 15-Oct-2014 11:36:21 Chrom Revision: 2.2 07-Oct-2014 12:16:06

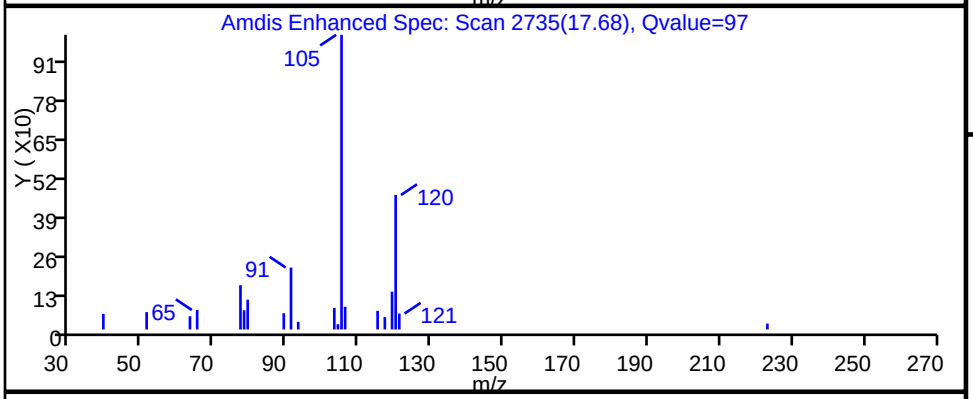
TestAmerica Burlington

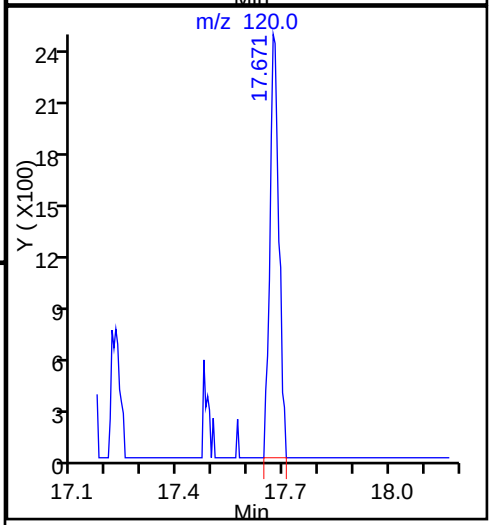
Data File:	\\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D				
Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

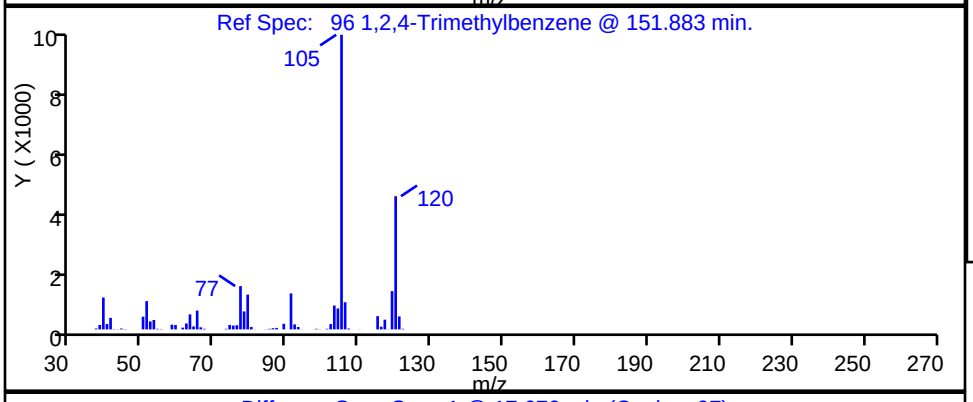
96 1,2,4-Trimethylbenzene, CAS: 95-63-6

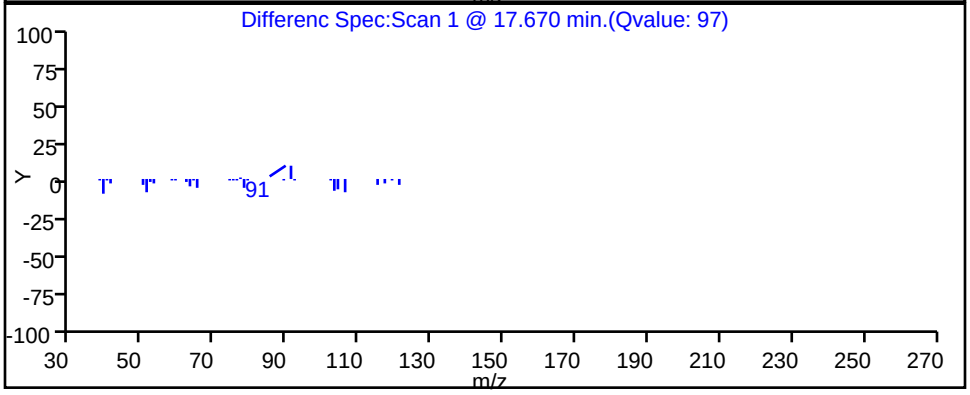












Manual Integration/User Assign Peak Report

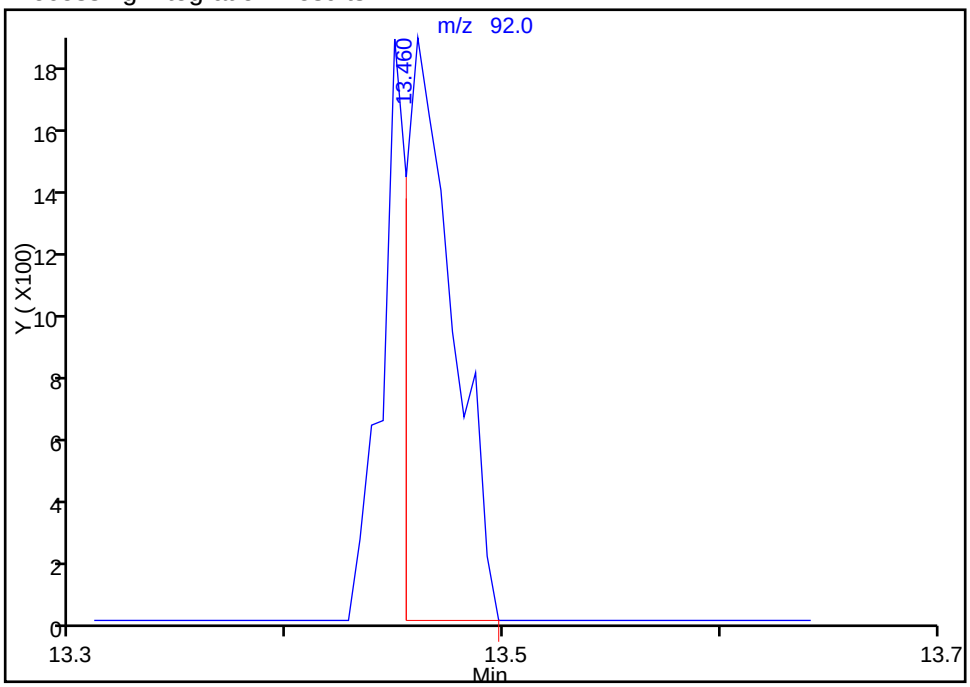
TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_005.D				
Injection Date:	14-Oct-2014 13:44:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-1	Lab Sample ID:	200-24717-1		
Client ID:	GCTS PRE CARBON				
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	2.9900		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Toluene, CAS: 108-88-3

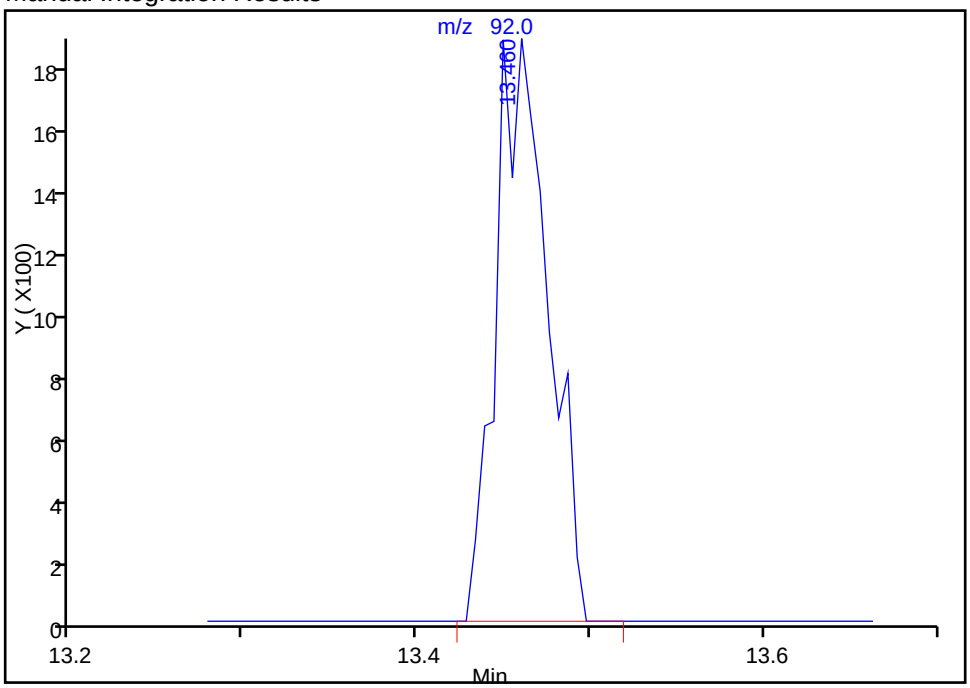
Processing Integration Results

RT: 13.46
Response: 2865
Amount: 0.032583



Manual Integration Results

RT: 13.46
Response: 3961
Amount: 0.045047



Reviewer: daiglep, 15-Oct-2014 11:08:14
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-24717-2

Matrix: Air Lab File ID: 9990_006.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:07

Sample wt/vol: 100(mL) Date Analyzed: 10/14/2014 14:36

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.34	J	1.0	0.11
75-45-6	Freon 22	86.47	0.31	J	1.0	0.16
76-14-2	Freon-114	170.92	0.40	U	0.40	0.10
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.12
106-97-8	n-Butane	58.12	1.0	U	1.0	0.36
75-01-4	Vinyl chloride	62.50	0.74		0.080	0.052
106-99-0	1,3-Butadiene	54.09	0.40	U	0.40	0.072
74-83-9	Bromomethane	94.94	0.40	U	0.40	0.088
75-00-3	Chloroethane	64.52	1.0	U	1.0	0.12
593-60-2	Vinyl bromide	106.96	0.40	U	0.40	0.040
75-69-4	Freon 11	137.37	0.32	J	0.40	0.090
76-13-1	Freon 113	187.38	6.9		0.40	0.082
75-35-4	1,1-Dichloroethene	96.94	0.40	U	0.40	0.020
67-64-1	Acetone	58.08	10	U	10	1.4
67-63-0	Isopropyl alcohol	60.10	10	U	10	0.30
75-15-0	Carbon disulfide	76.14	1.0	U	1.0	0.060
107-05-1	Allyl chloride	76.53	1.0	U	1.0	0.32
75-09-2	Methylene Chloride	84.93	0.49	J	1.0	0.24
75-65-0	tert-Butyl alcohol	74.12	10	U	10	0.24
1634-04-4	Methyl tert-butyl ether	88.15	0.40	U	0.40	0.044
156-60-5	trans-1,2-Dichloroethene	96.94	0.40	U	0.40	0.054
110-54-3	Hexane	86.17	0.40	U	0.40	0.056
75-34-3	1,1-Dichloroethane	98.96	6.2		0.40	0.056
78-93-3	Methyl Ethyl Ketone	72.11	2.5		1.0	0.18
156-59-2	cis-1,2-Dichloroethene	96.94	49		0.40	0.060
540-59-0	1,2-Dichloroethene, Total	96.94	49		0.40	0.11
67-66-3	Chloroform	119.38	0.26	J	0.40	0.076
109-99-9	Tetrahydrofuran	72.11	0.76	J	10	0.36
71-55-6	1,1,1-Trichloroethane	133.41	0.40	U	0.40	0.060
110-82-7	Cyclohexane	84.16	0.40	U	0.40	0.020
56-23-5	Carbon tetrachloride	153.81	0.080	U	0.080	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.40	U	0.40	0.046
71-43-2	Benzene	78.11	0.40	U	0.40	0.058
107-06-2	1,2-Dichloroethane	98.96	0.40	U	0.40	0.10
142-82-5	Heptane	100.21	0.40	U	0.40	0.074

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-24717-2

Matrix: Air Lab File ID: 9990_006.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:07

Sample wt/vol: 100(mL) Date Analyzed: 10/14/2014 14:36

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.18		0.080	0.060
80-62-6	Methyl methacrylate	100.12	1.0	U	1.0	0.19
78-87-5	1,2-Dichloropropane	112.99	0.40	U	0.40	0.070
123-91-1	1,4-Dioxane	88.11	10	U	10	0.32
75-27-4	Bromodichloromethane	163.83	0.40	U	0.40	0.058
10061-01-5	cis-1,3-Dichloropropene	110.97	0.40	U	0.40	0.058
108-10-1	methyl isobutyl ketone	100.16	1.0	U	1.0	0.36
108-88-3	Toluene	92.14	0.60		0.40	0.050
10061-02-6	trans-1,3-Dichloropropene	110.97	0.40	U	0.40	0.052
79-00-5	1,1,2-Trichloroethane	133.41	0.40	U	0.40	0.074
127-18-4	Tetrachloroethene	165.83	0.075	J	0.40	0.060
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.0	U	1.0	0.34
124-48-1	Dibromochloromethane	208.29	0.40	U	0.40	0.040
106-93-4	1,2-Dibromoethane	187.87	0.40	U	0.40	0.036
108-90-7	Chlorobenzene	112.56	0.40	U	0.40	0.036
100-41-4	Ethylbenzene	106.17	0.086	J	0.40	0.040
179601-23-1	m,p-Xylene	106.17	0.33	J	1.0	0.050
95-47-6	Xylene, o-	106.17	0.23	J	0.40	0.036
1330-20-7	Xylene (total)	106.17	0.56		0.40	0.082
100-42-5	Styrene	104.15	0.078	J	0.40	0.032
75-25-2	Bromoform	252.75	0.40	U	0.40	0.050
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.40	U	0.40	0.068
103-65-1	n-Propylbenzene	120.19	0.40	U	0.40	0.054
622-96-8	4-Ethyltoluene	120.20	0.40	U	0.40	0.040
108-67-8	1,3,5-Trimethylbenzene	120.20	0.071	J	0.40	0.038
95-49-8	2-Chlorotoluene	126.59	0.40	U	0.40	0.062
98-06-6	tert-Butylbenzene	134.22	0.40	U	0.40	0.040
95-63-6	1,2,4-Trimethylbenzene	120.20	0.21	J	0.40	0.032
135-98-8	sec-Butylbenzene	134.22	0.40	U	0.40	0.042
99-87-6	4-Isopropyltoluene	134.22	0.40	U	0.40	0.040
541-73-1	1,3-Dichlorobenzene	147.00	0.40	U	0.40	0.040
106-46-7	1,4-Dichlorobenzene	147.00	0.40	U	0.40	0.038
100-44-7	Benzyl chloride	126.58	0.40	U	0.40	0.036
104-51-8	n-Butylbenzene	134.22	0.40	U	0.40	0.056

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-24717-2

Matrix: Air Lab File ID: 9990_006.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:07

Sample wt/vol: 100(mL) Date Analyzed: 10/14/2014 14:36

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.40	U	0.40	0.036
120-82-1	1,2,4-Trichlorobenzene	181.45	1.0	U	1.0	0.068
87-68-3	Hexachloro-1,3-butadiene	260.76	0.40	U	0.40	0.072
91-20-3	Naphthalene	128.17	1.0	U	1.0	0.060

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-24717-2

Matrix: Air Lab File ID: 9990_006.D

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Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	1.7	J	4.9	0.55
75-45-6	Freon 22	86.47	1.1	J	3.5	0.57
76-14-2	Freon-114	170.92	2.8	U	2.8	0.73
74-87-3	Chloromethane	50.49	2.1	U	2.1	0.25
106-97-8	n-Butane	58.12	2.4	U	2.4	0.86
75-01-4	Vinyl chloride	62.50	1.9		0.20	0.13
106-99-0	1,3-Butadiene	54.09	0.88	U	0.88	0.16
74-83-9	Bromomethane	94.94	1.6	U	1.6	0.34
75-00-3	Chloroethane	64.52	2.6	U	2.6	0.32
593-60-2	Vinyl bromide	106.96	1.7	U	1.7	0.17
75-69-4	Freon 11	137.37	1.8	J	2.2	0.51
76-13-1	Freon 113	187.38	53		3.1	0.63
75-35-4	1,1-Dichloroethene	96.94	1.6	U	1.6	0.079
67-64-1	Acetone	58.08	24	U	24	3.3
67-63-0	Isopropyl alcohol	60.10	25	U	25	0.74
75-15-0	Carbon disulfide	76.14	3.1	U	3.1	0.19
107-05-1	Allyl chloride	76.53	3.1	U	3.1	1.0
75-09-2	Methylene Chloride	84.93	1.7	J	3.5	0.83
75-65-0	tert-Butyl alcohol	74.12	30	U	30	0.73
1634-04-4	Methyl tert-butyl ether	88.15	1.4	U	1.4	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	1.6	U	1.6	0.21
110-54-3	Hexane	86.17	1.4	U	1.4	0.20
75-34-3	1,1-Dichloroethane	98.96	25		1.6	0.23
78-93-3	Methyl Ethyl Ketone	72.11	7.5		2.9	0.54
156-59-2	cis-1,2-Dichloroethene	96.94	190		1.6	0.24
540-59-0	1,2-Dichloroethene, Total	96.94	190		1.6	0.42
67-66-3	Chloroform	119.38	1.3	J	2.0	0.37
109-99-9	Tetrahydrofuran	72.11	2.2	J	29	1.1
71-55-6	1,1,1-Trichloroethane	133.41	2.2	U	2.2	0.33
110-82-7	Cyclohexane	84.16	1.4	U	1.4	0.069
56-23-5	Carbon tetrachloride	153.81	0.50	U	0.50	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	1.9	U	1.9	0.21
71-43-2	Benzene	78.11	1.3	U	1.3	0.19
107-06-2	1,2-Dichloroethane	98.96	1.6	U	1.6	0.42
142-82-5	Heptane	100.21	1.6	U	1.6	0.30

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-24717-2

Matrix: Air Lab File ID: 9990_006.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:07

Sample wt/vol: 100(mL) Date Analyzed: 10/14/2014 14:36

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.94		0.43	0.32
80-62-6	Methyl methacrylate	100.12	4.1	U	4.1	0.79
78-87-5	1,2-Dichloropropane	112.99	1.8	U	1.8	0.32
123-91-1	1,4-Dioxane	88.11	36	U	36	1.2
75-27-4	Bromodichloromethane	163.83	2.7	U	2.7	0.39
10061-01-5	cis-1,3-Dichloropropene	110.97	1.8	U	1.8	0.26
108-10-1	methyl isobutyl ketone	100.16	4.1	U	4.1	1.5
108-88-3	Toluene	92.14	2.3		1.5	0.19
10061-02-6	trans-1,3-Dichloropropene	110.97	1.8	U	1.8	0.24
79-00-5	1,1,2-Trichloroethane	133.41	2.2	U	2.2	0.40
127-18-4	Tetrachloroethene	165.83	0.51	J	2.7	0.41
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.1	U	4.1	1.4
124-48-1	Dibromochloromethane	208.29	3.4	U	3.4	0.34
106-93-4	1,2-Dibromoethane	187.87	3.1	U	3.1	0.28
108-90-7	Chlorobenzene	112.56	1.8	U	1.8	0.17
100-41-4	Ethylbenzene	106.17	0.37	J	1.7	0.17
179601-23-1	m,p-Xylene	106.17	1.4	J	4.3	0.22
95-47-6	Xylene, o-	106.17	0.99	J	1.7	0.16
1330-20-7	Xylene (total)	106.17	2.4		1.7	0.36
100-42-5	Styrene	104.15	0.33	J	1.7	0.14
75-25-2	Bromoform	252.75	4.1	U	4.1	0.52
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.7	U	2.7	0.47
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.27
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	0.35	J	2.0	0.19
95-49-8	2-Chlorotoluene	126.59	2.1	U	2.1	0.32
98-06-6	tert-Butylbenzene	134.22	2.2	U	2.2	0.22
95-63-6	1,2,4-Trimethylbenzene	120.20	1.0	J	2.0	0.16
135-98-8	sec-Butylbenzene	134.22	2.2	U	2.2	0.23
99-87-6	4-Isopropyltoluene	134.22	2.2	U	2.2	0.22
541-73-1	1,3-Dichlorobenzene	147.00	2.4	U	2.4	0.24
106-46-7	1,4-Dichlorobenzene	147.00	2.4	U	2.4	0.23
100-44-7	Benzyl chloride	126.58	2.1	U	2.1	0.19
104-51-8	n-Butylbenzene	134.22	2.2	U	2.2	0.31

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS MID CARBON Lab Sample ID: 200-24717-2

Matrix: Air Lab File ID: 9990_006.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:07

Sample wt/vol: 100(mL) Date Analyzed: 10/14/2014 14:36

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	2.4	U	2.4	0.22
120-82-1	1,2,4-Trichlorobenzene	181.45	7.4	U	7.4	0.50
87-68-3	Hexachloro-1,3-butadiene	260.76	4.3	U	4.3	0.77
91-20-3	Naphthalene	128.17	5.2	U	5.2	0.31

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D
Lims ID: 200-24717-A-2 Lab Sample ID: 200-24717-2
Client ID: GCTS MID CARBON
Sample Type: Client
Inject. Date: 14-Oct-2014 14:36:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 200-0009990-006
Misc. Info.: 24717-02
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 15-Oct-2014 11:36:18 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: daiglep Date: 15-Oct-2014 11:10:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.229	3.224	0.005	99	20004	0.1686	
6 Chlorodifluoromethane	51	3.266	3.261	0.005	95	7358	0.1531	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.453				ND	
8 Chloromethane	50		3.587				ND	
9 Butane	43		3.768				ND	
10 Vinyl chloride	62	3.816	3.811	0.005	98	9491	0.3684	
11 Butadiene	54		3.880				ND	
12 Bromomethane	94		4.590				ND	
14 Chloroethane	64		4.830				ND	
16 Vinyl bromide	106		5.252				ND	
17 Trichlorofluoromethane	101	5.353	5.348	0.005	95	21684	0.1580	
23 1,1,2-Trichloro-1,2,2-trif	101	6.394	6.394	0.000	94	285641	3.47	
24 1,1-Dichloroethene	96		6.479				ND	
25 Acetone	43		6.655				ND	
26 Isopropyl alcohol	45		6.858				ND	
27 Carbon disulfide	76		6.906				ND	
29 3-Chloro-1-propene	41		7.200				ND	
31 Methylene Chloride	49	7.467	7.461	0.006	83	6984	0.2440	
32 2-Methyl-2-propanol	59		7.563				ND	
33 Methyl tert-butyl ether	73		7.792				ND	
34 trans-1,2-Dichloroethene	61		7.862				ND	
36 Hexane	57		8.176				ND	
37 1,1-Dichloroethane	63	8.625	8.625	0.000	99	174744	3.08	
* 44 Chlorobromomethane	128	9.906	9.906	0.000	68	409123	10.0	
39 cis-1,2-Dichloroethene	96	9.532	9.532	0.000	95	989264	24.4	
40 2-Butanone (MEK)	72	9.532	9.532	0.000	24	23038	1.27	
43 Tetrahydrofuran	42	9.916	9.900	0.016	31	8494	0.3785	
45 Chloroform	83	9.975	9.975	0.000	91	12043	0.1325	
S 42 1,2-Dichloroethene, Total	61				0		24.4	
46 Cyclohexane	84		10.220				ND	
47 1,1,1-Trichloroethane	97		10.226				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		10.423				ND	
49 Isooctane	57		10.695				ND	
50 Benzene	78		10.759				ND	
51 1,2-Dichloroethane	62		10.877				ND	
52 n-Heptane	43		10.946				ND	
* 54 1,4-Difluorobenzene	114	11.304	11.309	-0.005	93	1968301	10.0	
57 Trichloroethene	95	11.661	11.667	-0.006	91	5037	0.0875	
58 1,2-Dichloropropane	63		12.051				ND	
59 Methyl methacrylate	69		12.078				ND	
60 1,4-Dioxane	88		12.174				ND	
62 Dichlorobromomethane	83		12.409				ND	
64 cis-1,3-Dichloropropene	75		13.038				ND	
65 4-Methyl-2-pentanone (MIBK	43		13.188				ND	
68 Toluene	92	13.455	13.465	-0.010	94	25753	0.2987	
70 trans-1,3-Dichloropropene	75		13.834				ND	
71 1,1,2-Trichloroethane	83		14.106				ND	
72 Tetrachloroethene	166	14.218	14.223	-0.005	95	3349	0.0377	
73 2-Hexanone	43		14.357				ND	
74 Chlorodibromomethane	129		14.650				ND	
75 Ethylene Dibromide	107		14.853				ND	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	85	1713177	10.0	
77 Chlorobenzene	112		15.435				ND	
79 Ethylbenzene	91	15.499	15.499	0.000	97	8974	0.0429	
80 m-Xylene & p-Xylene	106	15.643	15.643	0.000	0	14589	0.1667	
S 81 Xylenes, Total	106				0		0.2810	
82 o-Xylene	106	16.155	16.150	0.005	96	9778	0.1143	
83 Styrene	104	16.171	16.176	-0.005	87	5102	0.0391	
84 Bromoform	173		16.475				ND	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	90	1333738	NC	
87 1,1,2,2-Tetrachloroethane	83		16.972				ND	
88 N-Propylbenzene	91		17.030				ND	
91 4-Ethyltoluene	105		17.153				ND	
92 2-Chlorotoluene	91		17.201				ND	
93 1,3,5-Trimethylbenzene	105	17.228	17.222	0.006	93	8194	0.0357	
95 tert-Butylbenzene	119		17.607				ND	
96 1,2,4-Trimethylbenzene	105	17.676	17.676	0.000	97	24274	0.1038	
97 sec-Butylbenzene	105		17.863				ND	
98 4-Isopropyltoluene	119		18.018				ND	
99 1,3-Dichlorobenzene	146		18.103				ND	
100 1,4-Dichlorobenzene	146		18.215				ND	
101 Benzyl chloride	91		18.381				ND	
103 n-Butylbenzene	91		18.535				ND	
104 1,2-Dichlorobenzene	146		18.717				ND	
107 1,2,4-Trichlorobenzene	180		21.140				ND	
108 Hexachlorobutadiene	225		21.305				ND	
109 Naphthalene	128		21.652				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15BISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

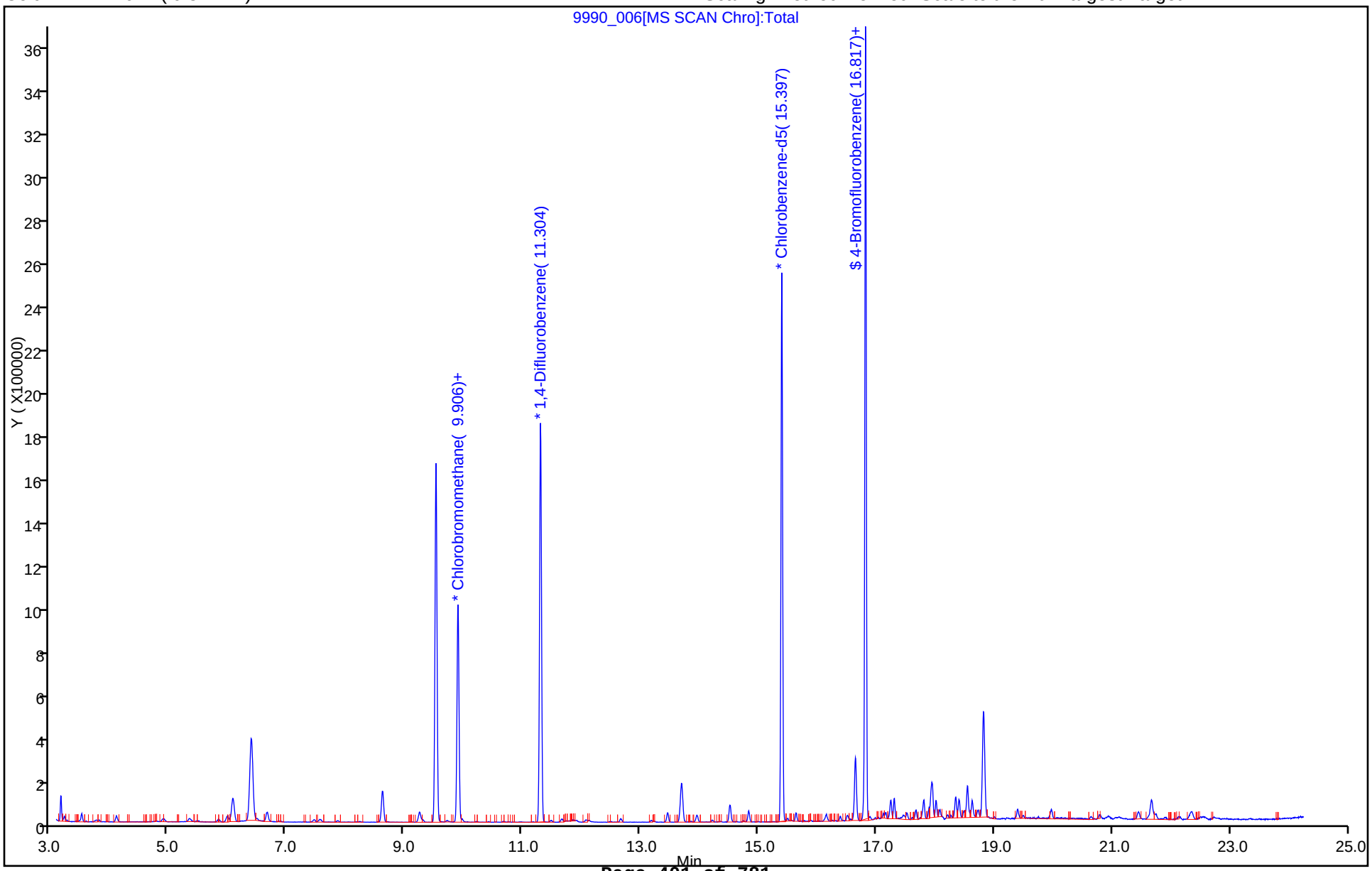
Report Date: 15-Oct-2014 11:36:22 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2	Worklist Smp#:	6
Client ID:	GCTS MID CARBON				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



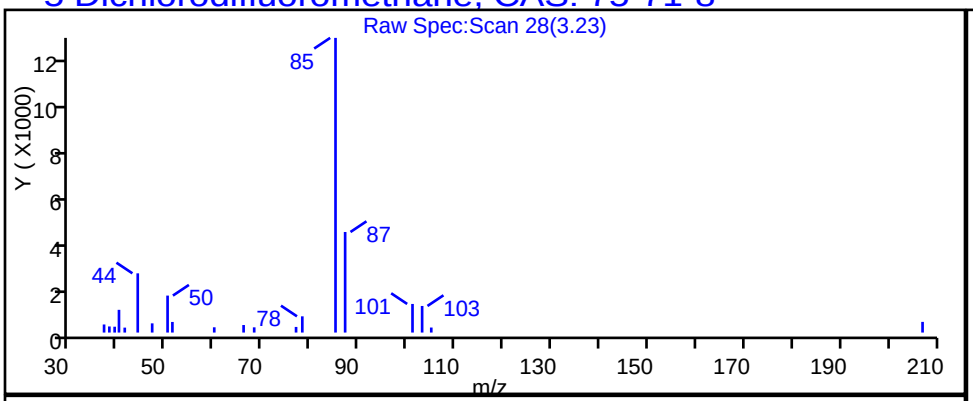
Report Date: 15-Oct-2014 11:36:22 Chrom Revision: 2.2 07-Oct-2014 12:16:06

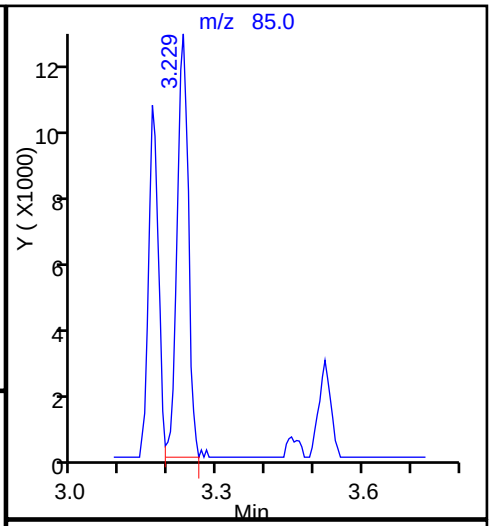
TestAmerica Burlington

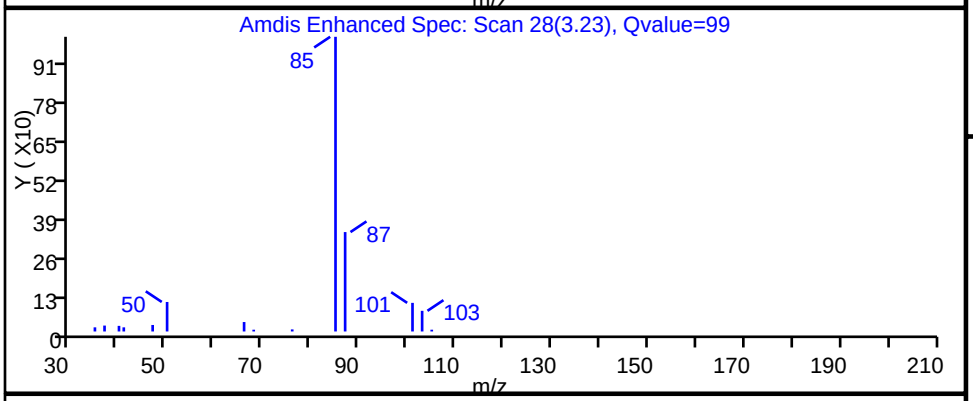
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

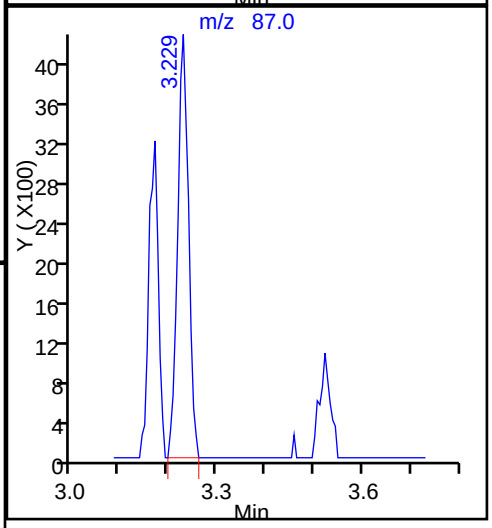
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2
Client ID:	GCTS MID CARBON		
Operator ID:	pad	ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

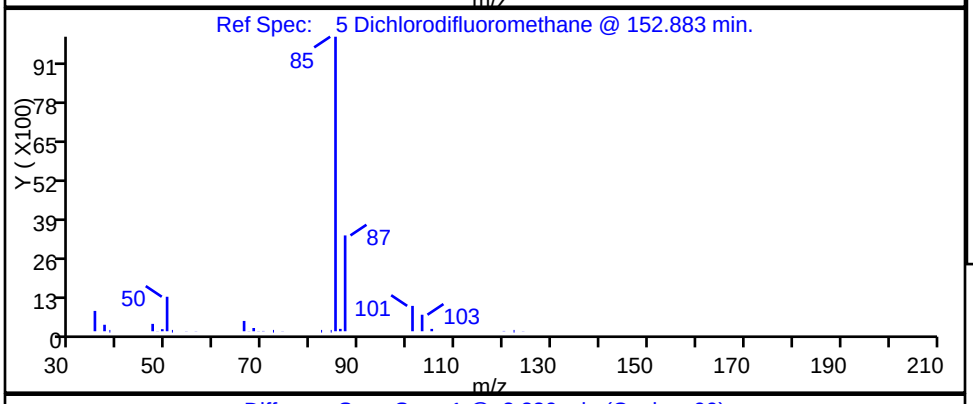
5 Dichlorodifluoromethane, CAS: 75-71-8

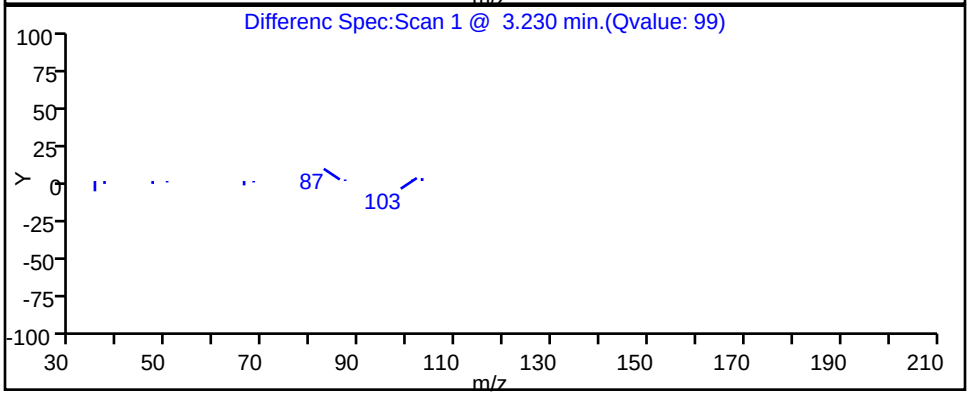












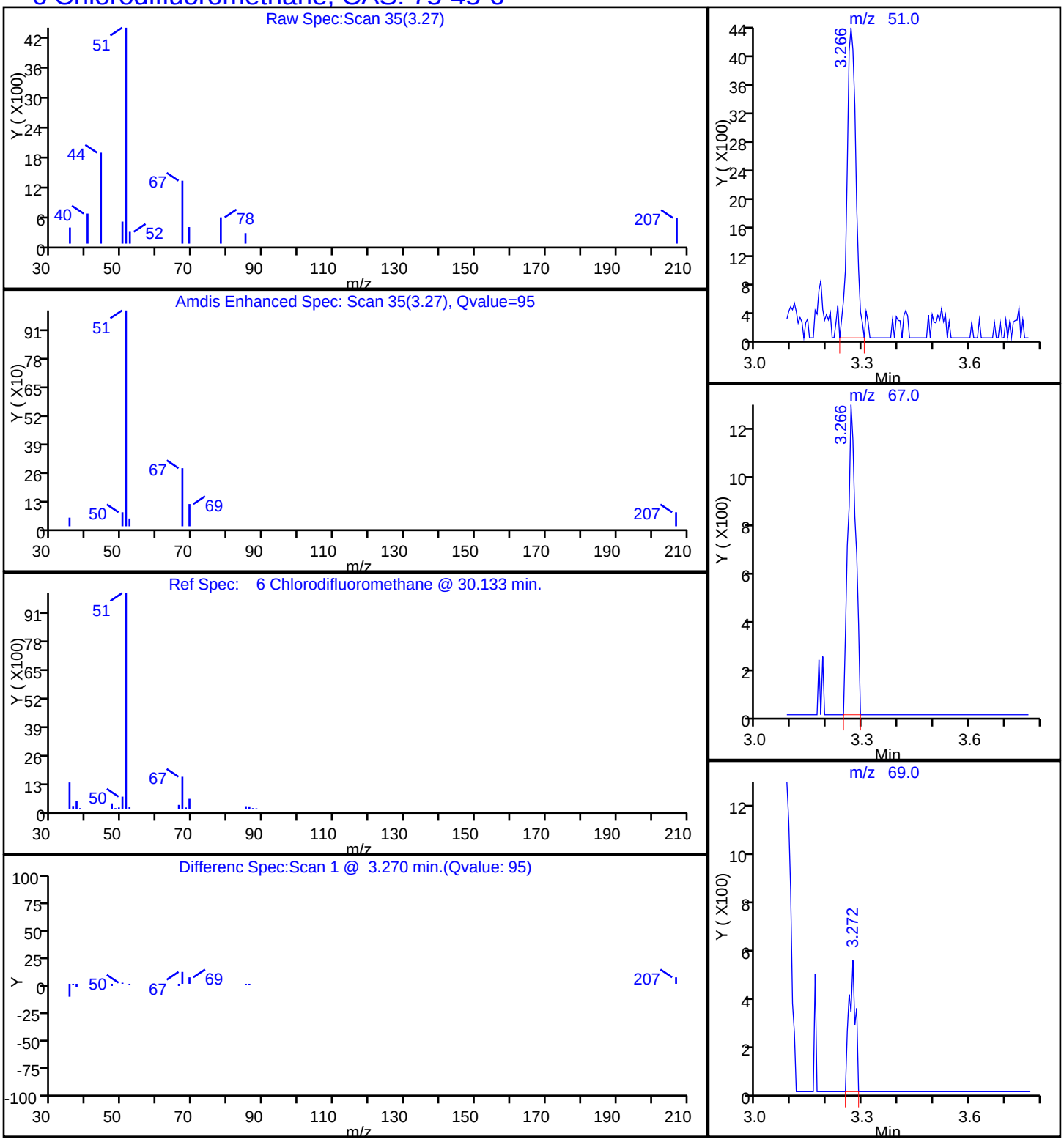
Report Date: 15-Oct-2014 11:36:22 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2		
Client ID:	GCTS MID CARBON				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



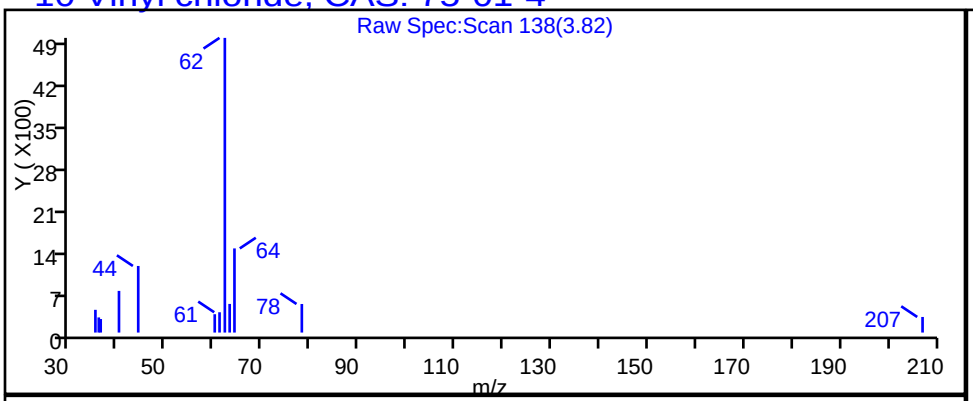
Report Date: 15-Oct-2014 11:36:22 Chrom Revision: 2.2 07-Oct-2014 12:16:06

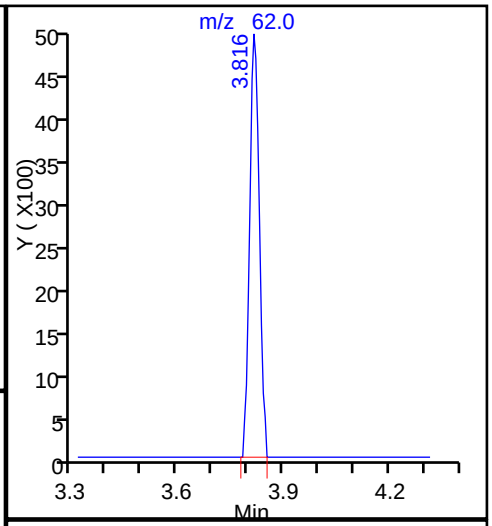
TestAmerica Burlington

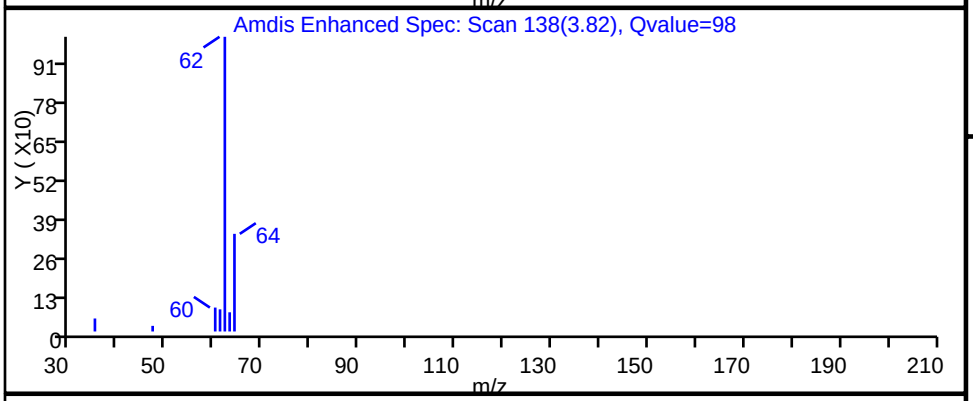
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

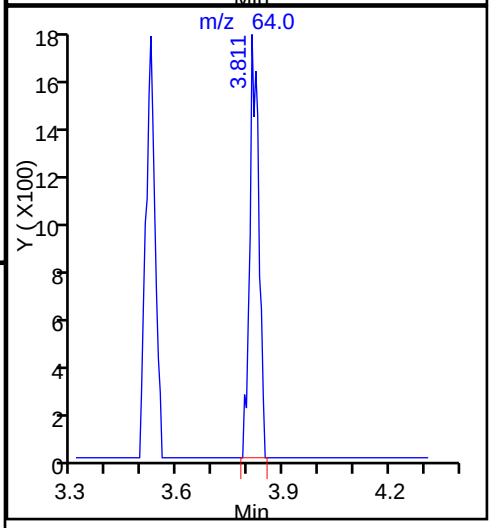
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2		
Client ID:	GCTS MID CARBON				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

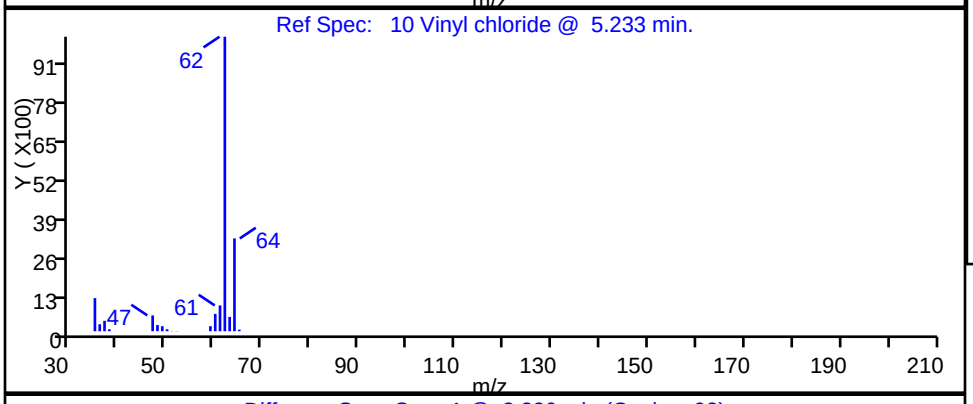
10 Vinyl chloride, CAS: 75-01-4

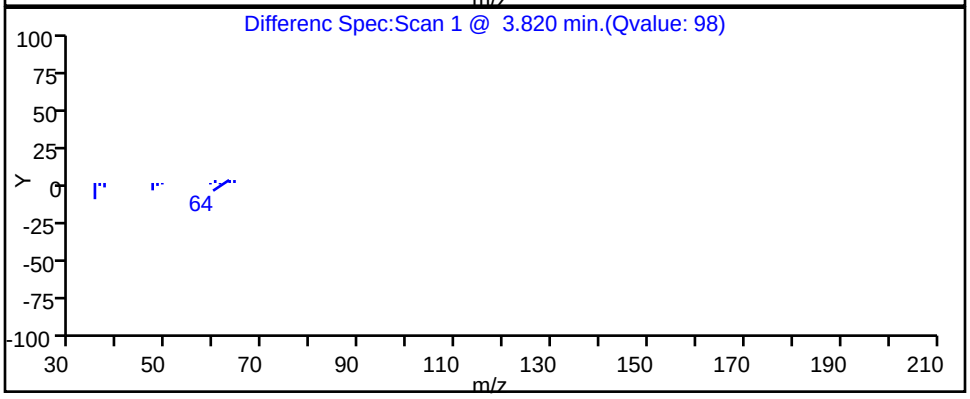












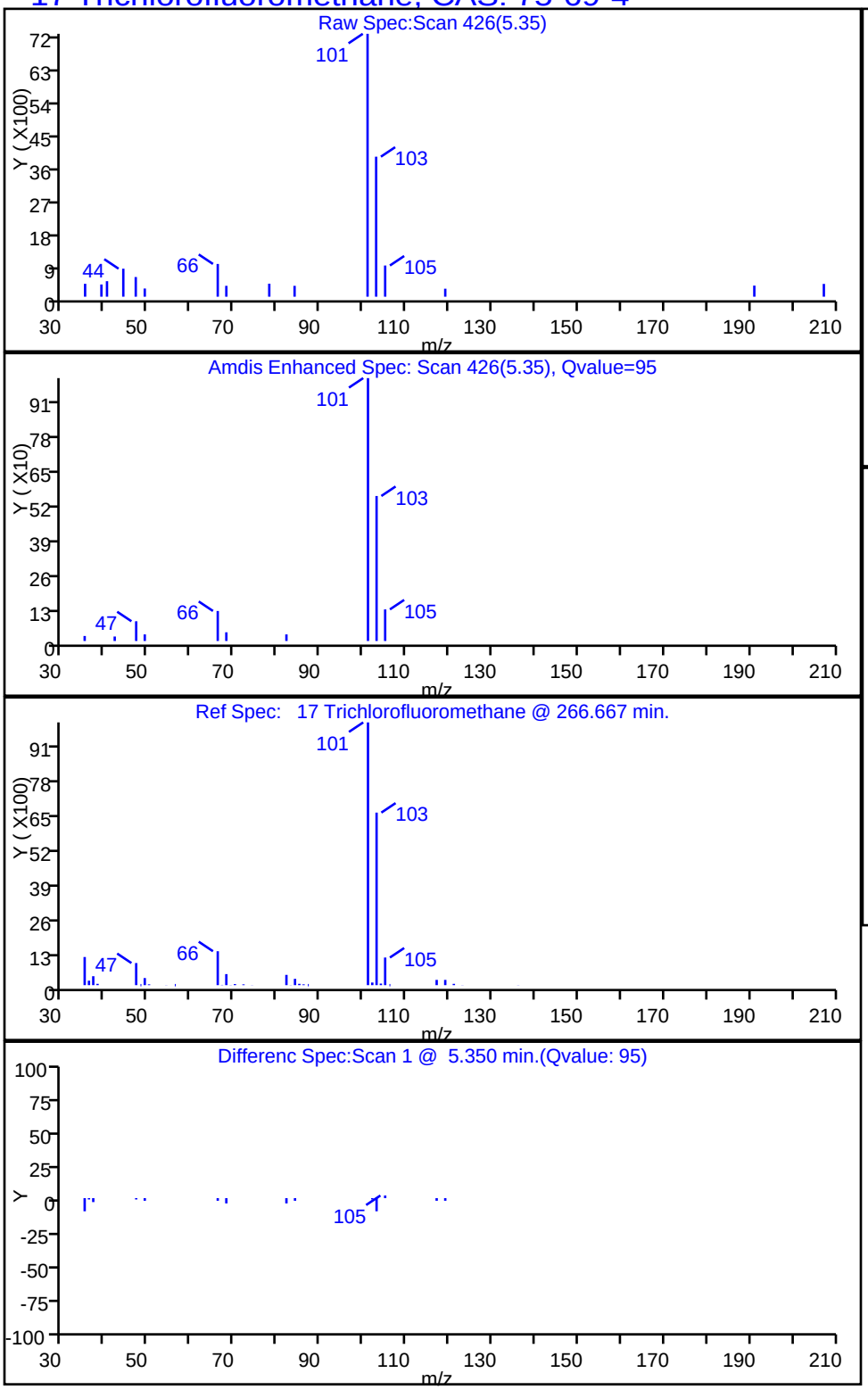
Report Date: 15-Oct-2014 11:36:22 Chrom Revision: 2.2 07-Oct-2014 12:16:06

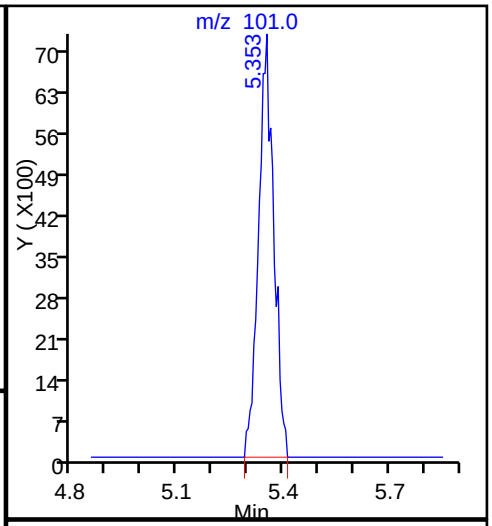
TestAmerica Burlington

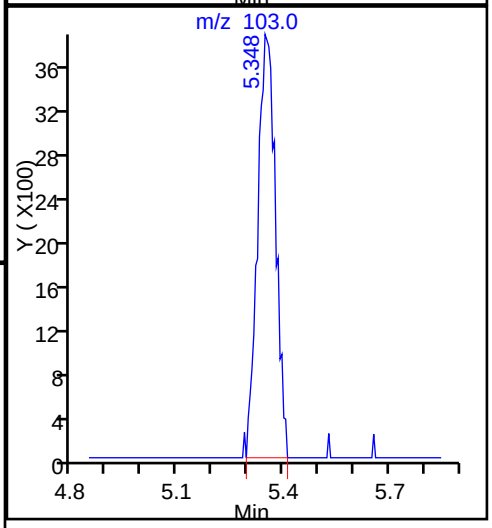
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2		
Client ID:	GCTS MID CARBON				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

17 Trichlorofluoromethane, CAS: 75-69-4







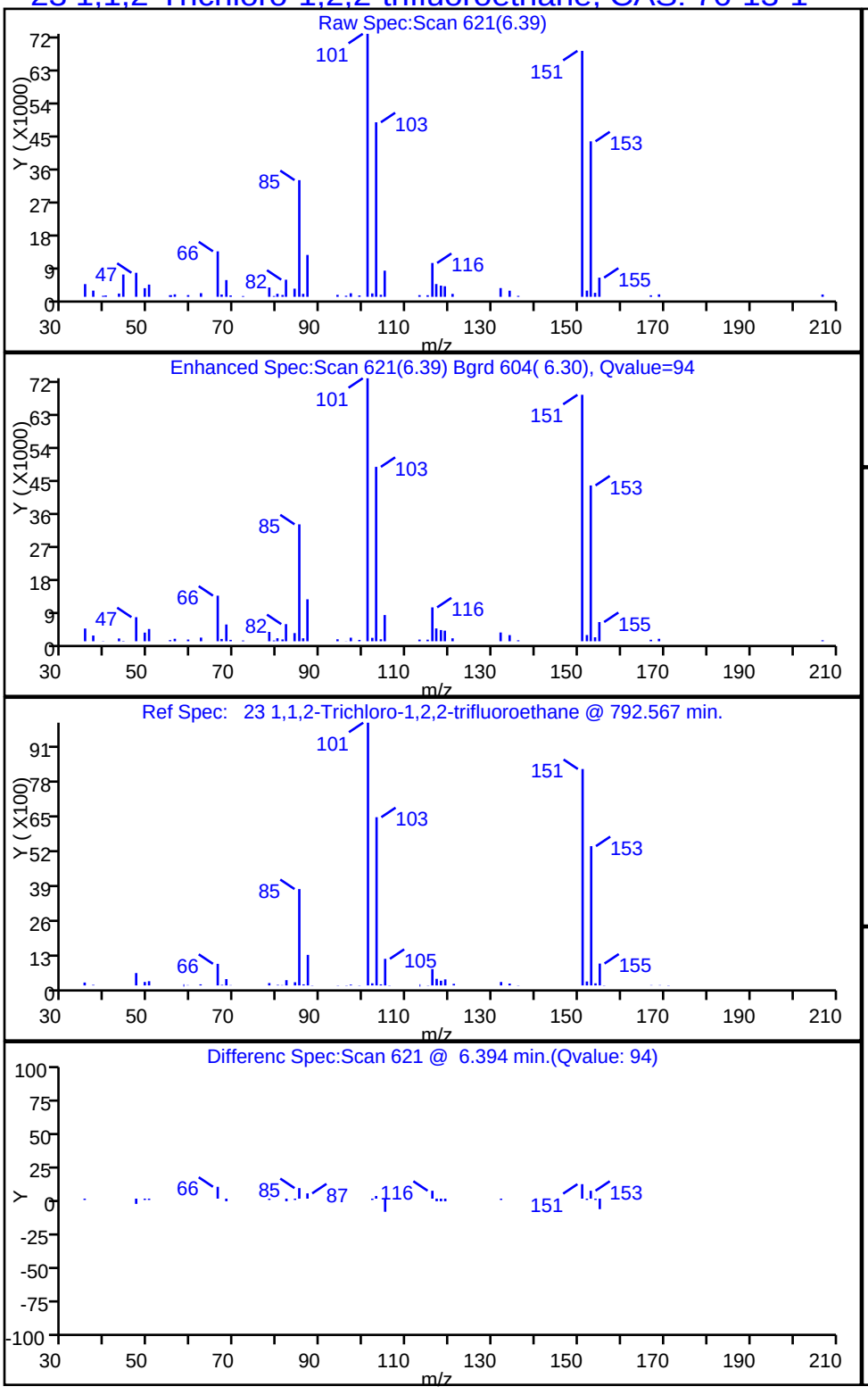
Report Date: 15-Oct-2014 11:36:22 Chrom Revision: 2.2 07-Oct-2014 12:16:06

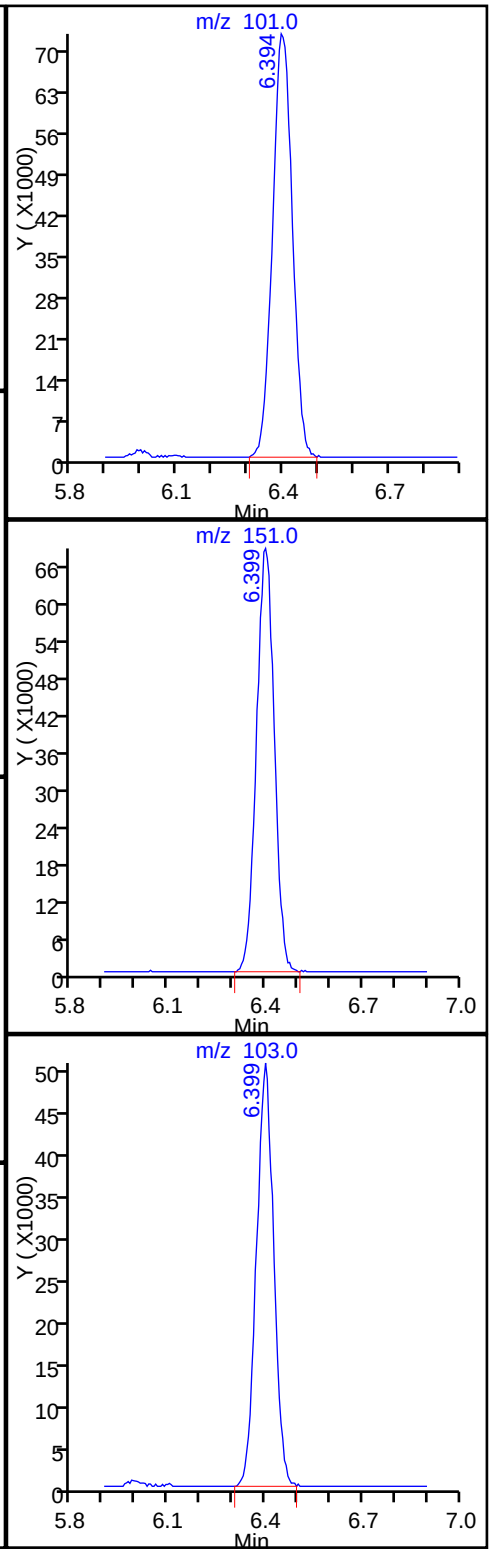
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2		
Client ID:	GCTS MID CARBON				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1





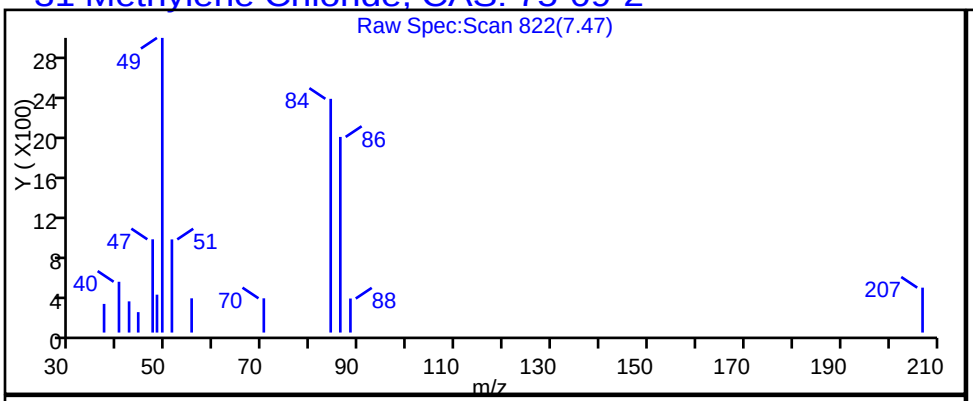
Report Date: 15-Oct-2014 11:36:22 Chrom Revision: 2.2 07-Oct-2014 12:16:06

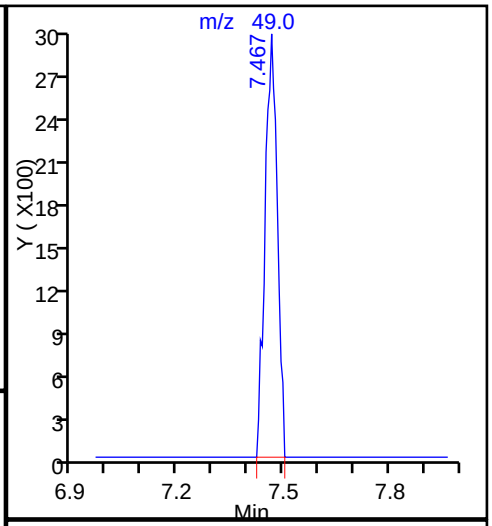
TestAmerica Burlington

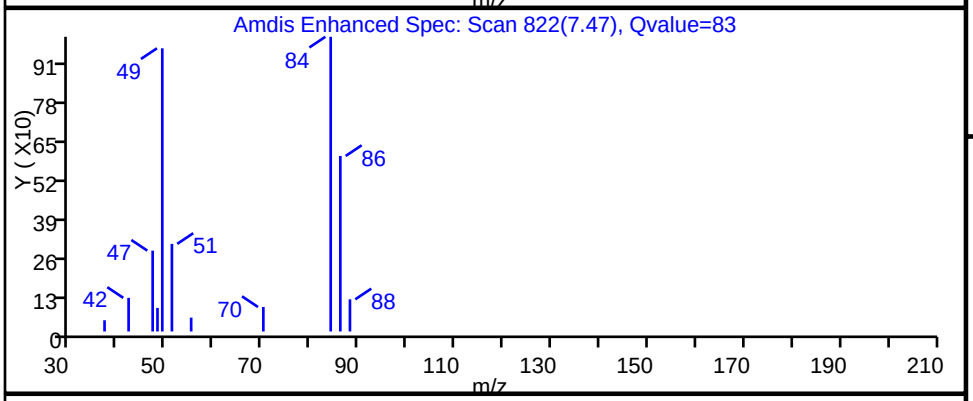
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

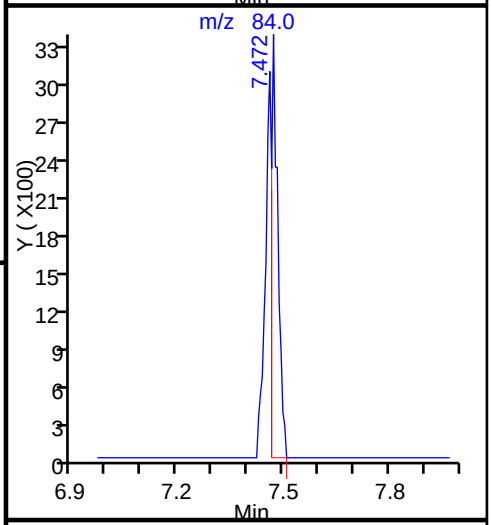
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2		
Client ID:	GCTS MID CARBON				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

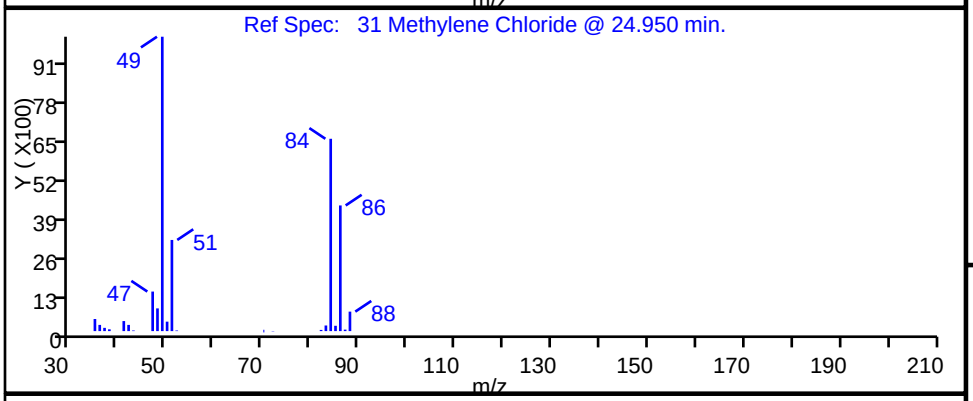
31 Methylene Chloride, CAS: 75-09-2

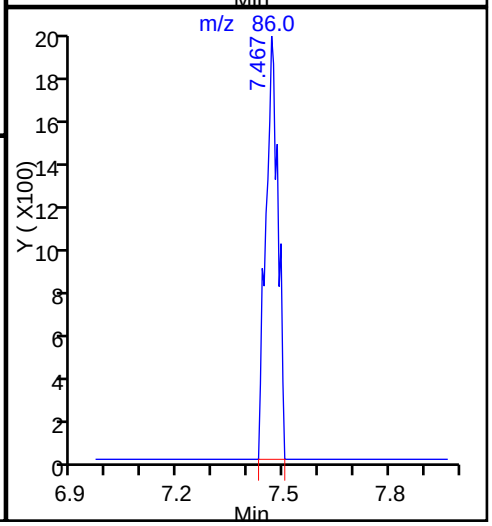


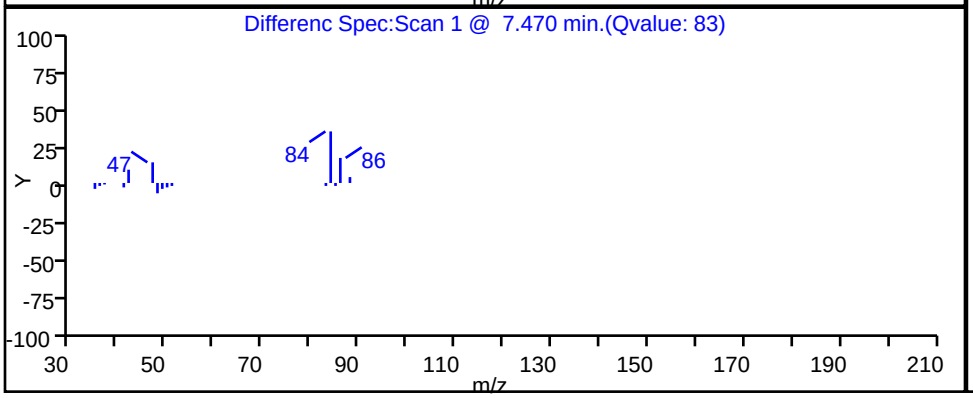












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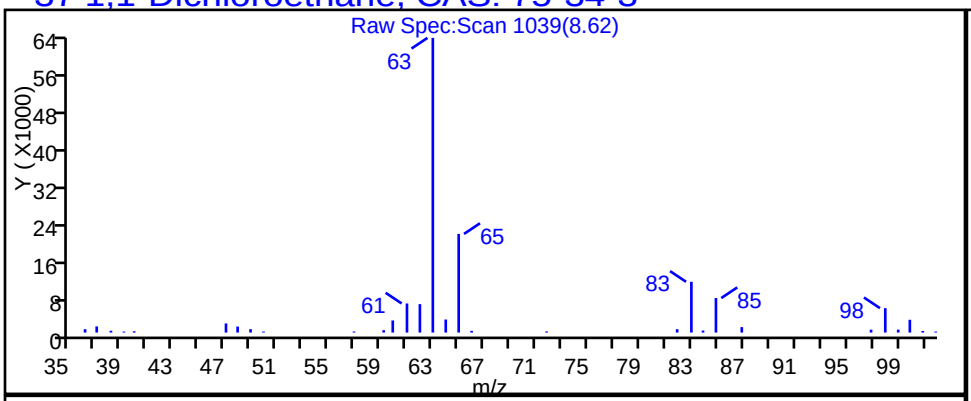
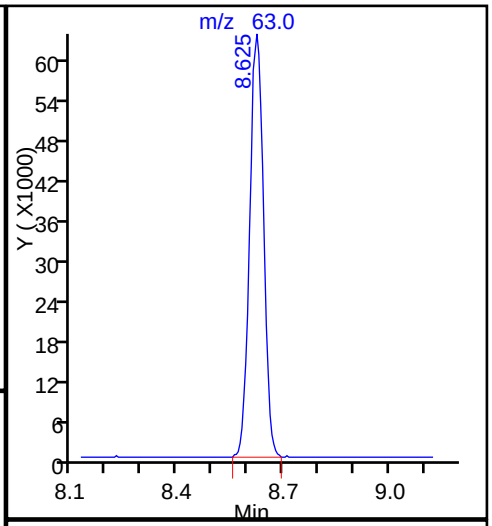
TestAmerica Burlington

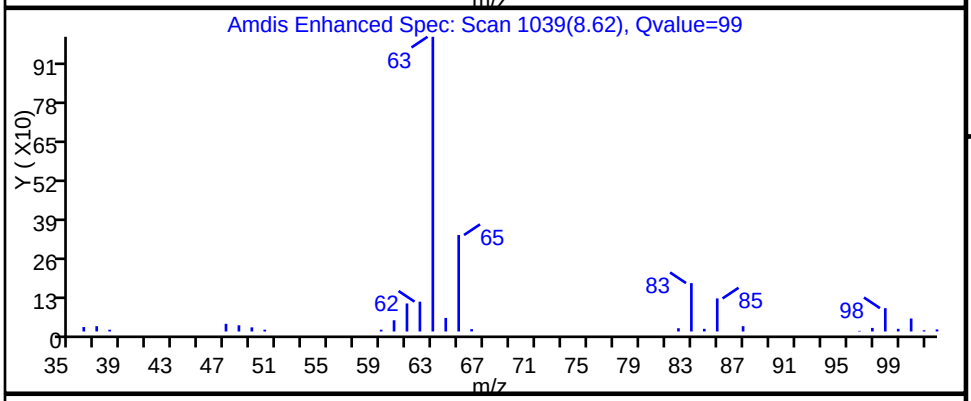
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

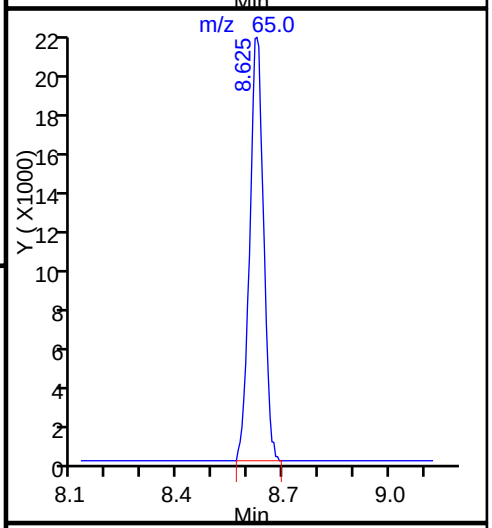
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2
Client ID:	GCTS MID CARBON		
Operator ID:	pad	ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

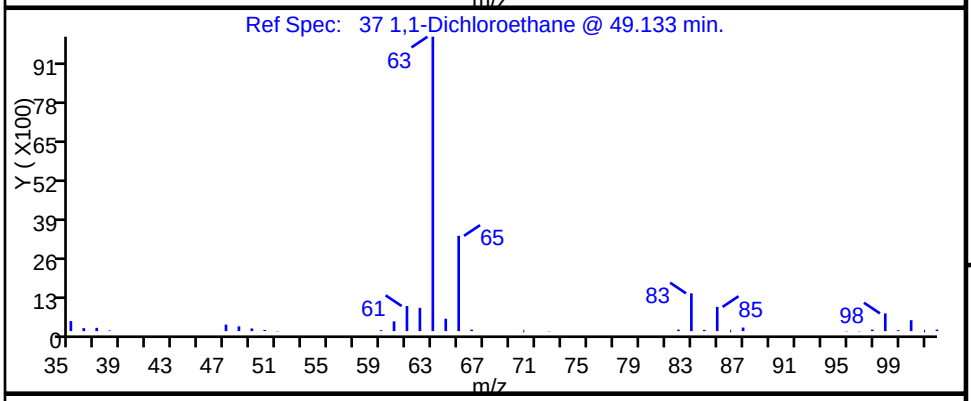
37 1,1-Dichloroethane, CAS: 75-34-3

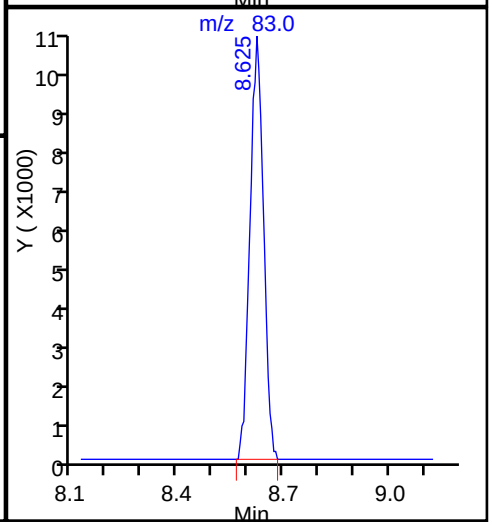


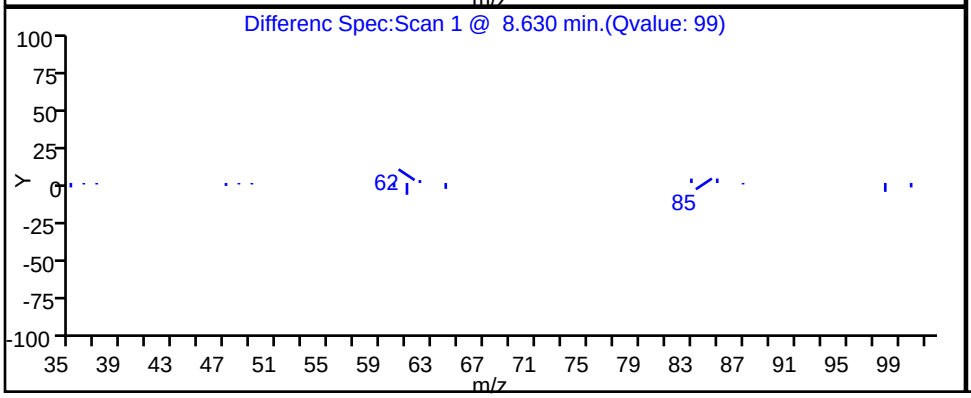












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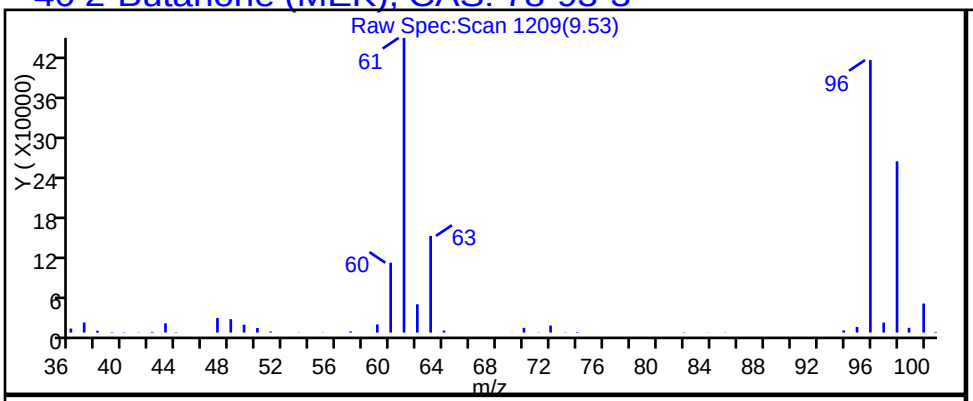
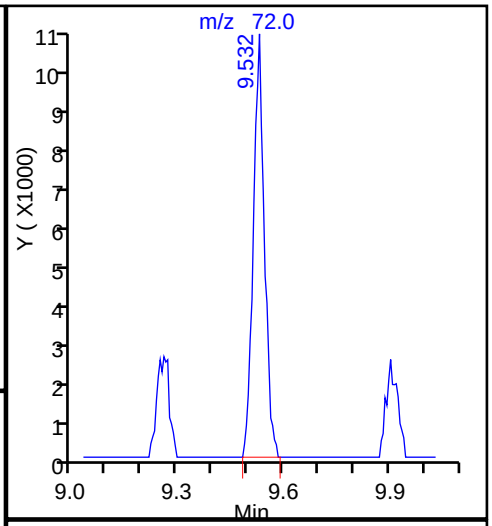
TestAmerica Burlington

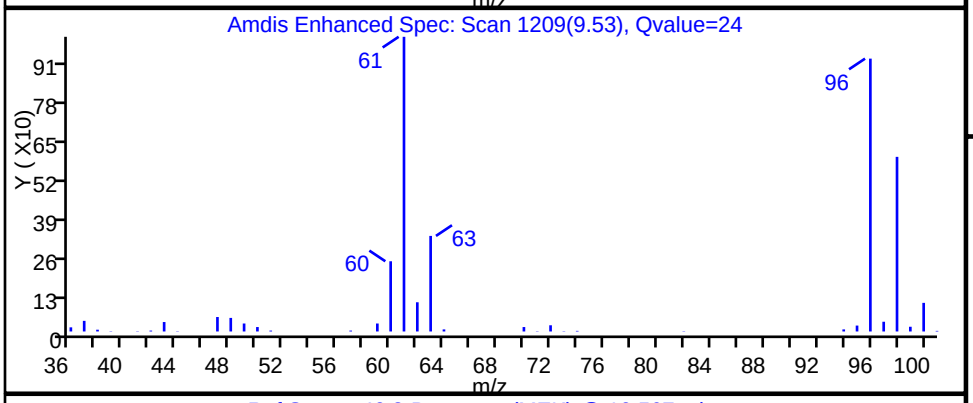
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

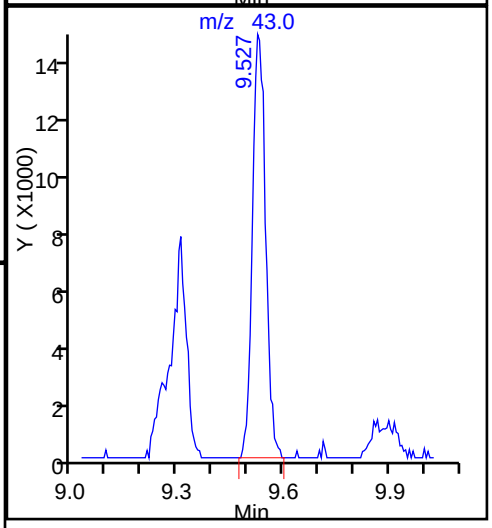
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2		
Client ID:	GCTS MID CARBON				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

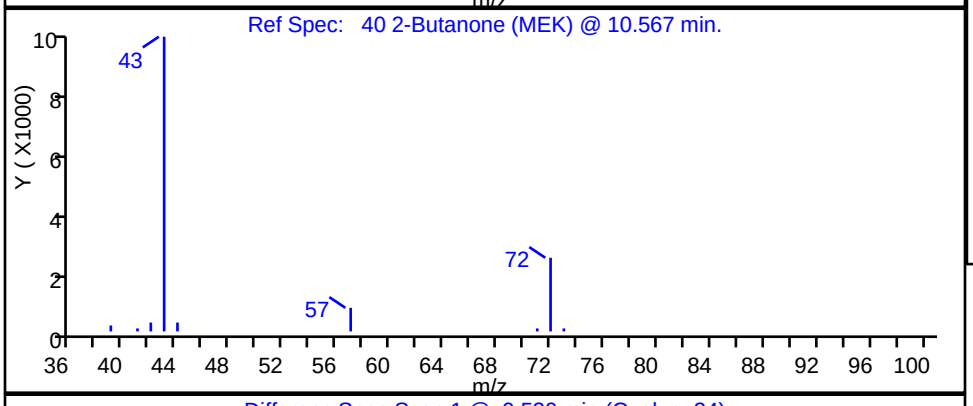
40 2-Butanone (MEK), CAS: 78-93-3

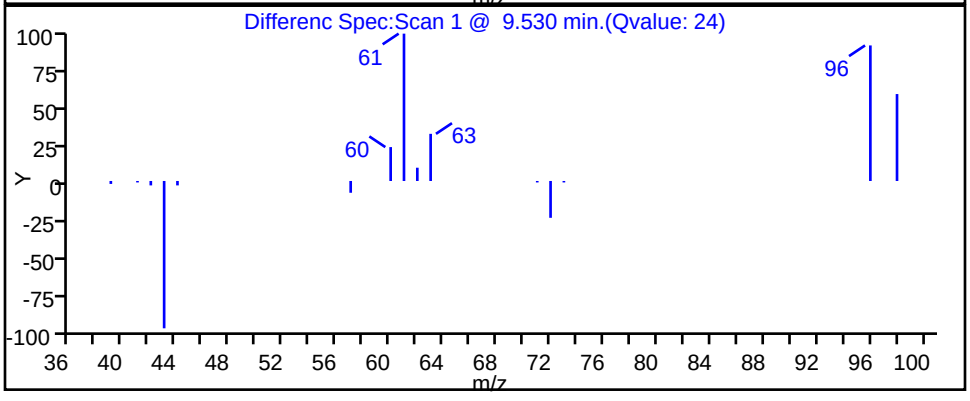












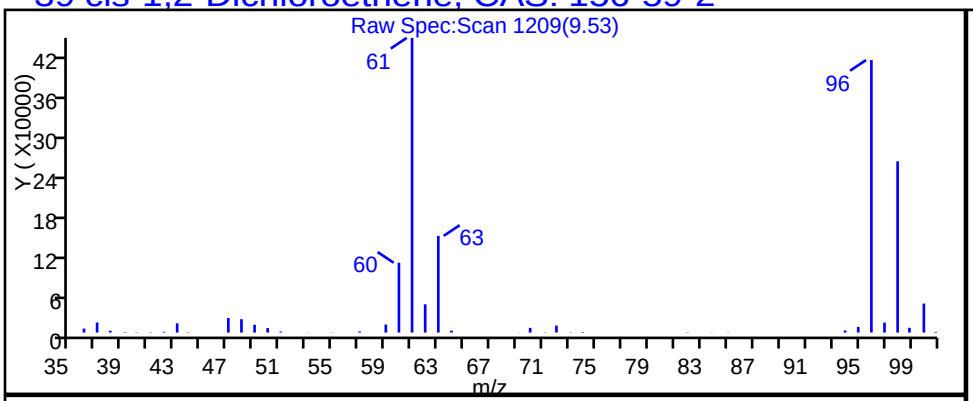
Report Date: 15-Oct-2014 11:36:22 Chrom Revision: 2.2 07-Oct-2014 12:16:06

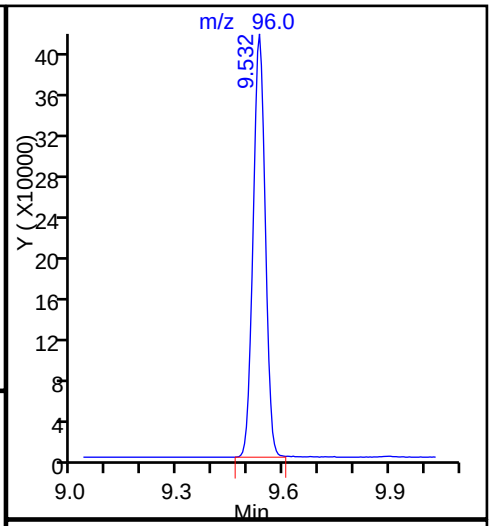
TestAmerica Burlington

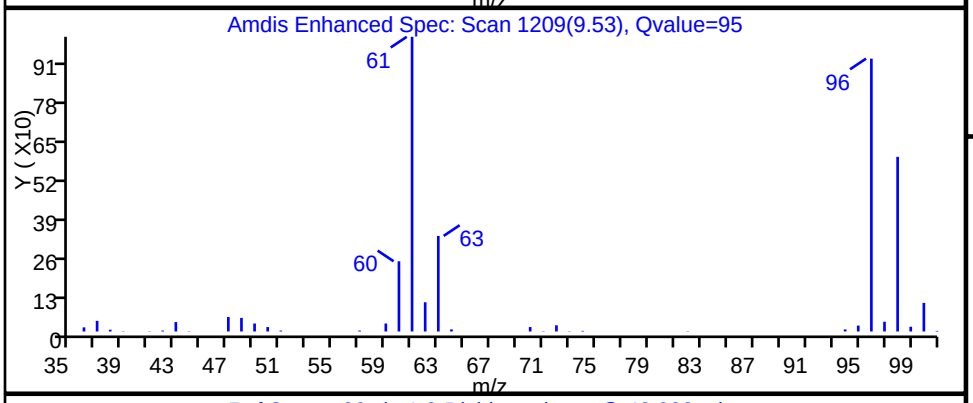
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

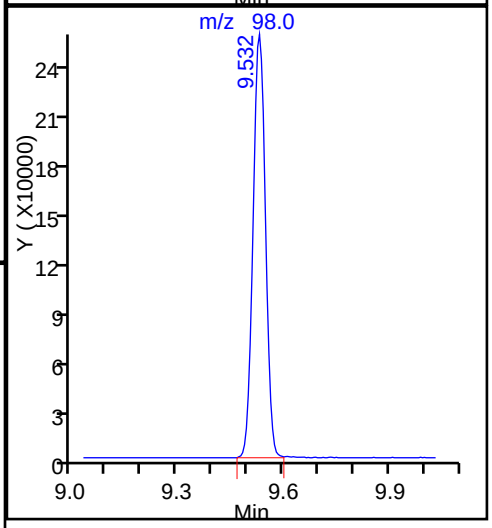
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2		
Client ID:	GCTS MID CARBON				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

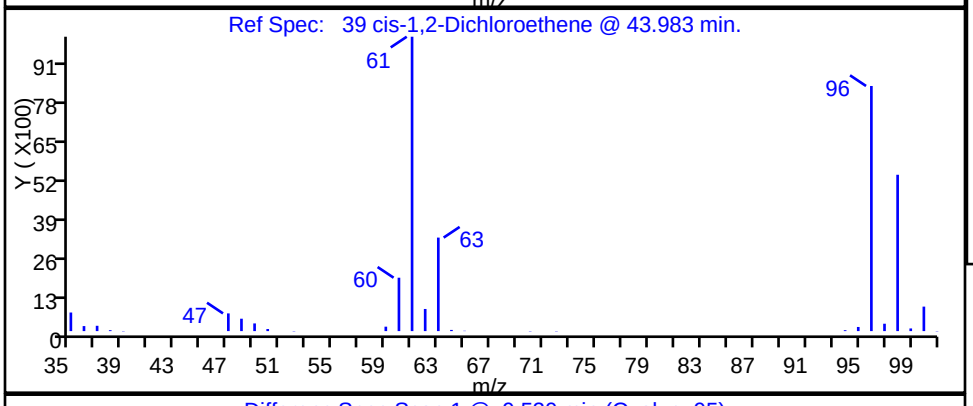
39 cis-1,2-Dichloroethene, CAS: 156-59-2

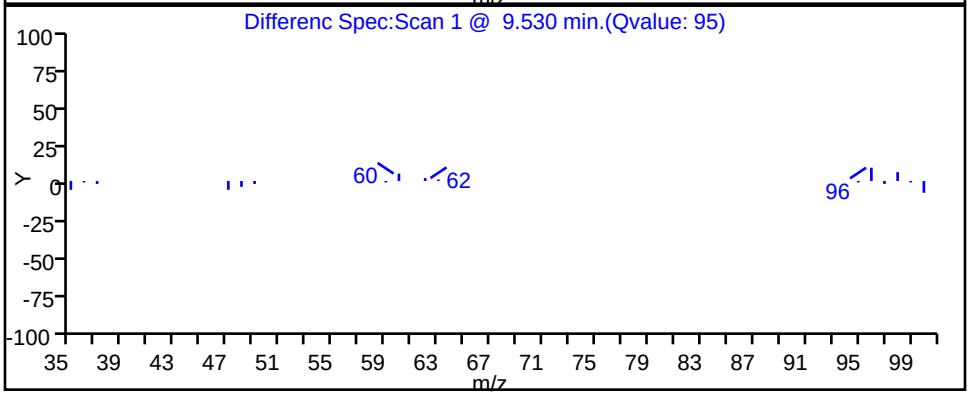












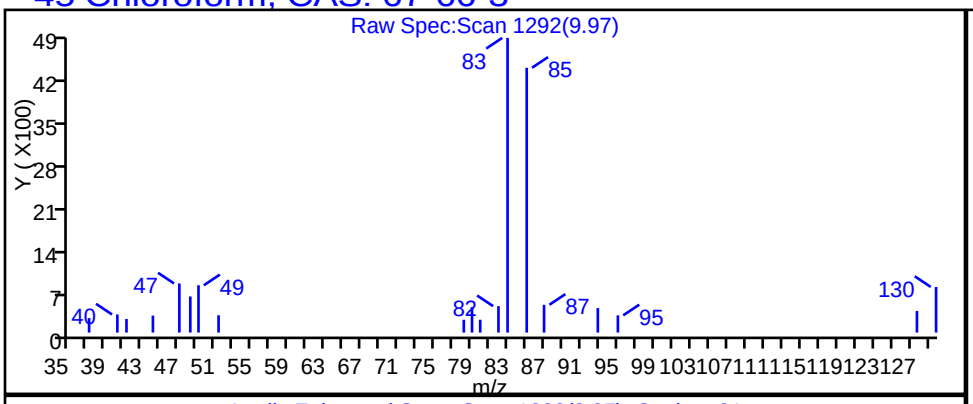
Report Date: 15-Oct-2014 11:36:22 Chrom Revision: 2.2 07-Oct-2014 12:16:06

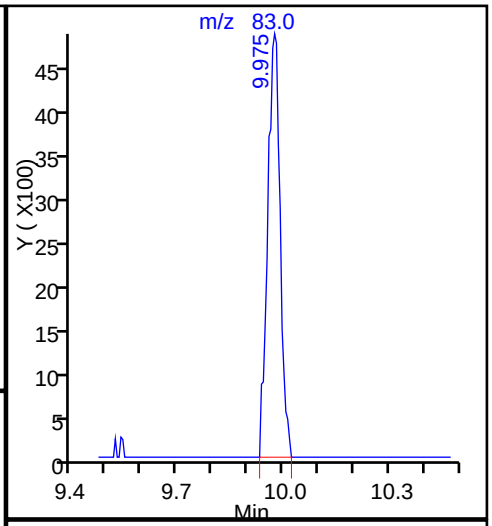
TestAmerica Burlington

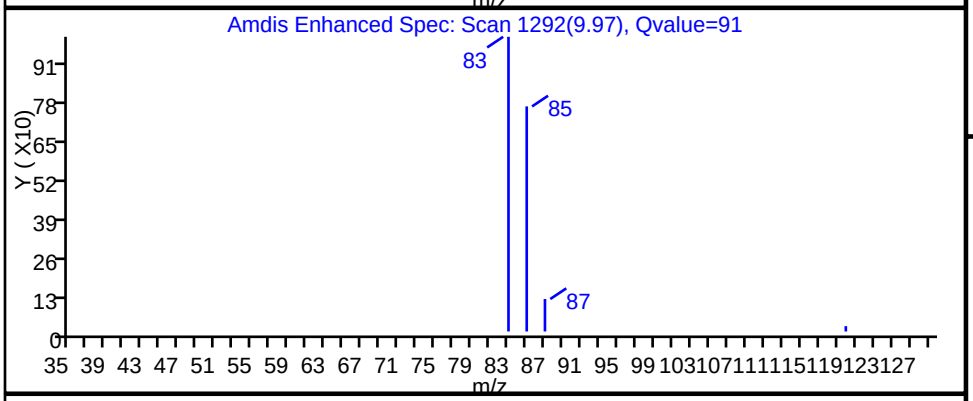
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

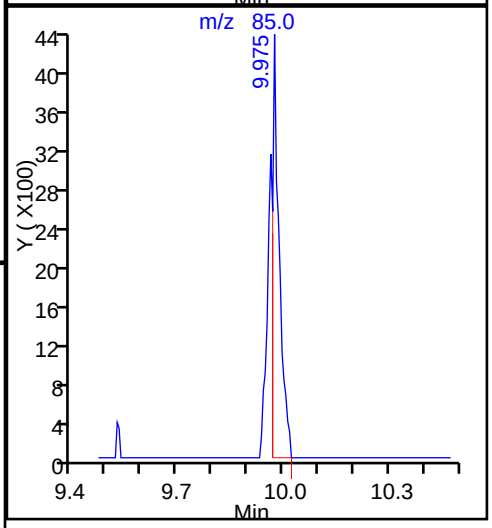
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2		
Client ID:	GCTS MID CARBON				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

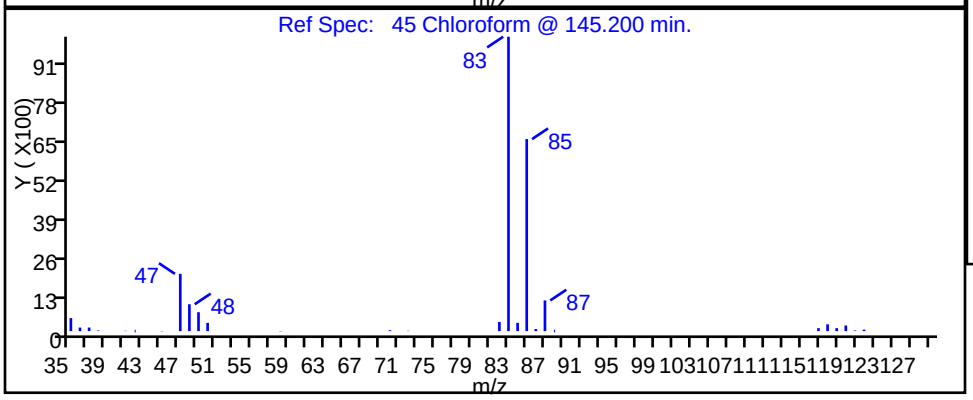
45 Chloroform, CAS: 67-66-3











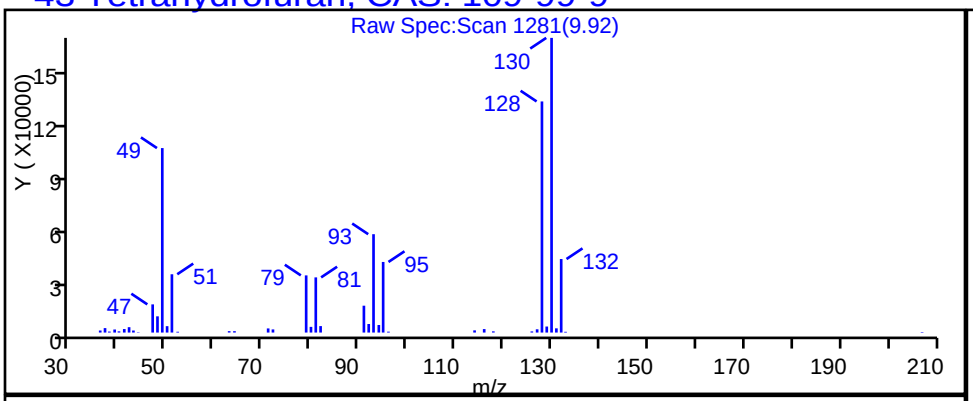
Report Date: 15-Oct-2014 11:36:22 Chrom Revision: 2.2 07-Oct-2014 12:16:06

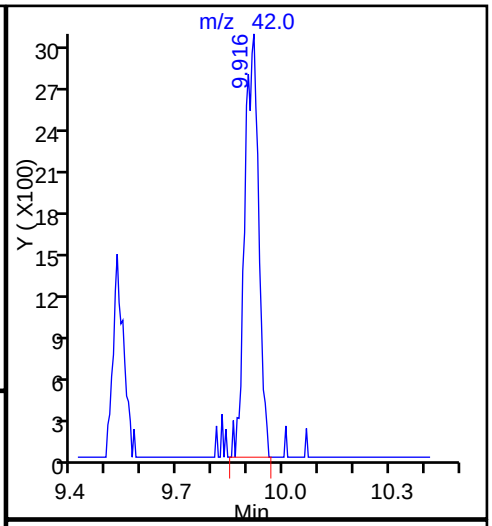
TestAmerica Burlington

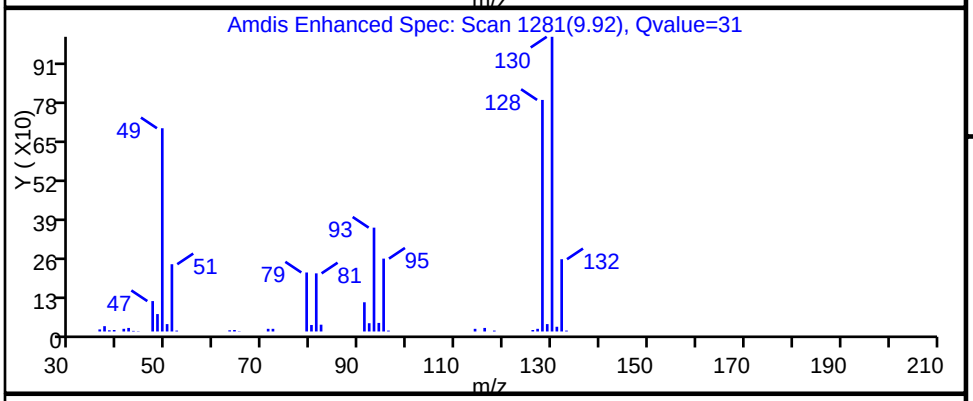
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

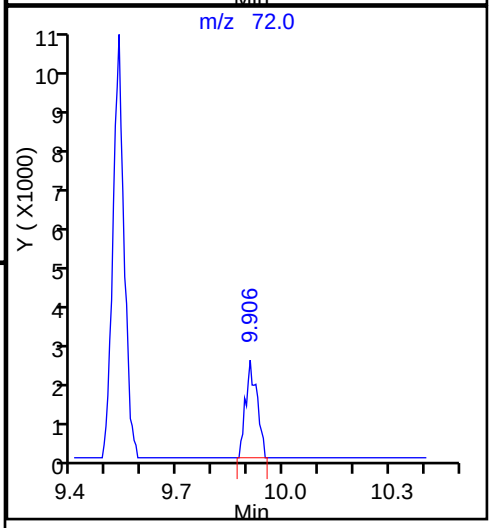
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2		
Client ID:	GCTS MID CARBON				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

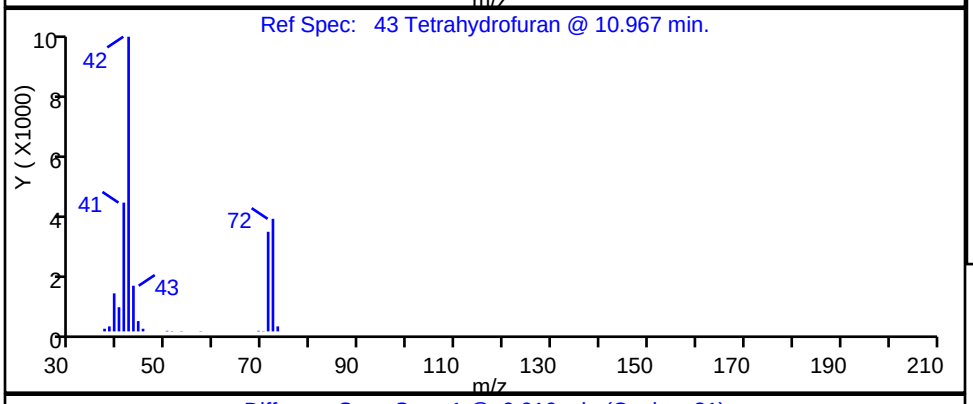
43 Tetrahydrofuran, CAS: 109-99-9

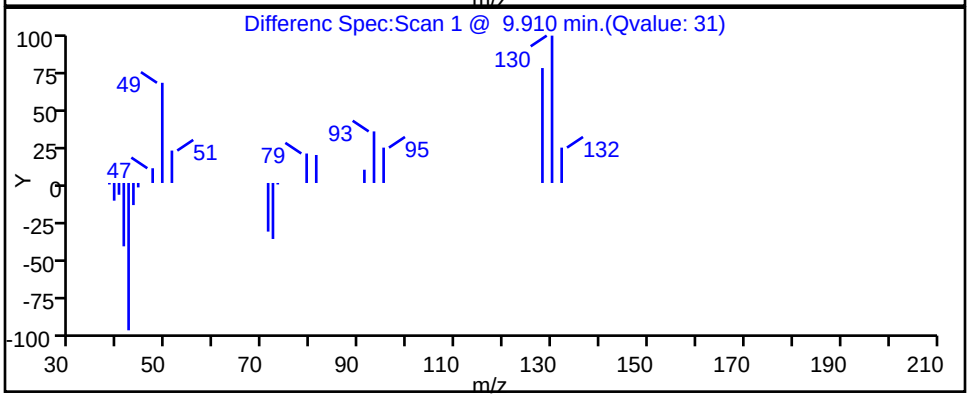










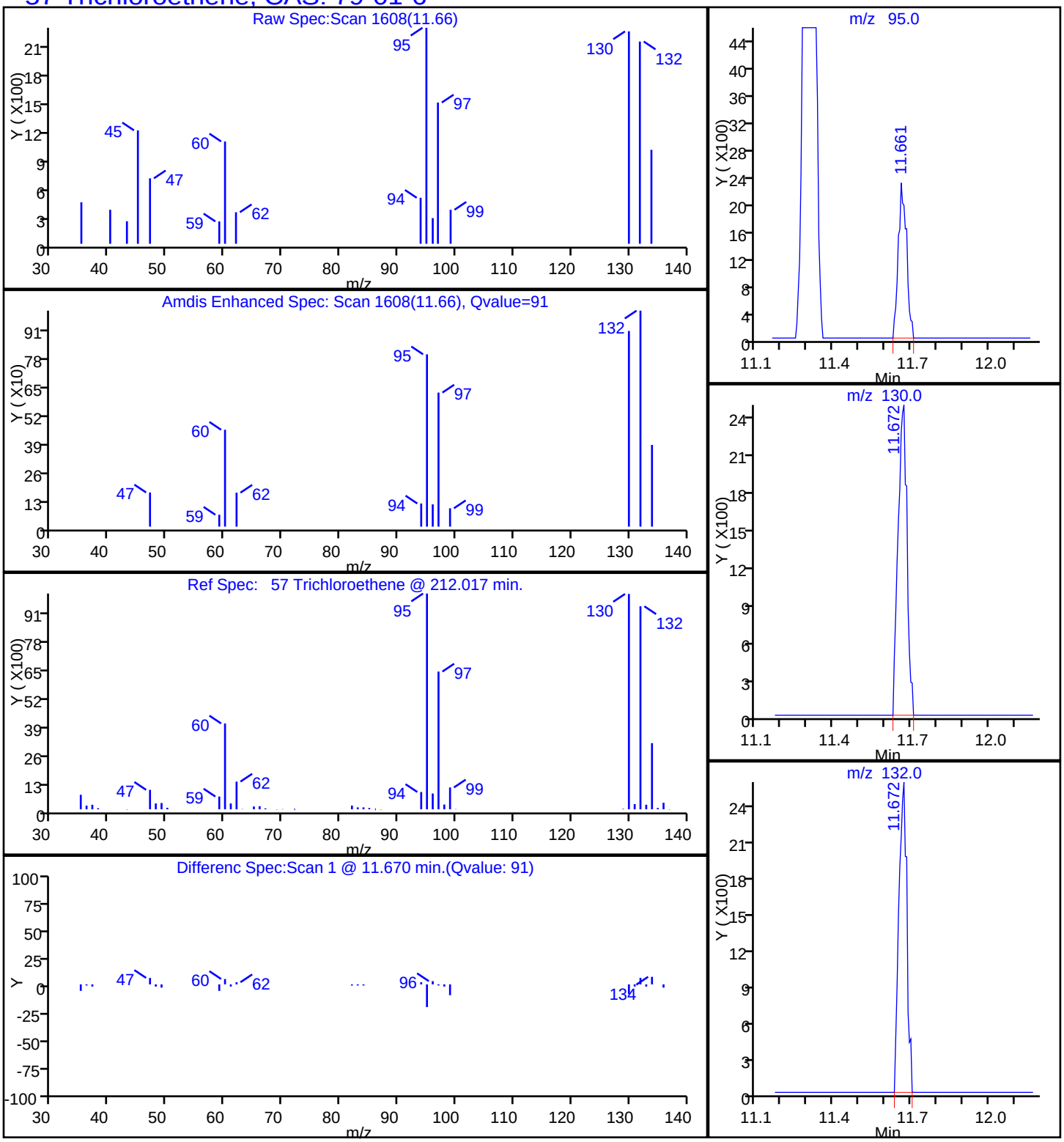


Report Date: 15-Oct-2014 11:36:23 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D				
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2		
Client ID:	GCTS MID CARBON				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

57 Trichloroethene, CAS: 79-01-6

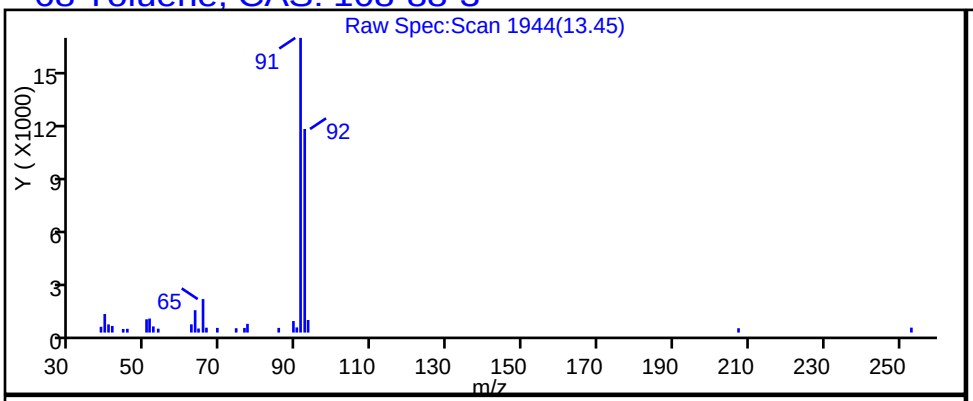


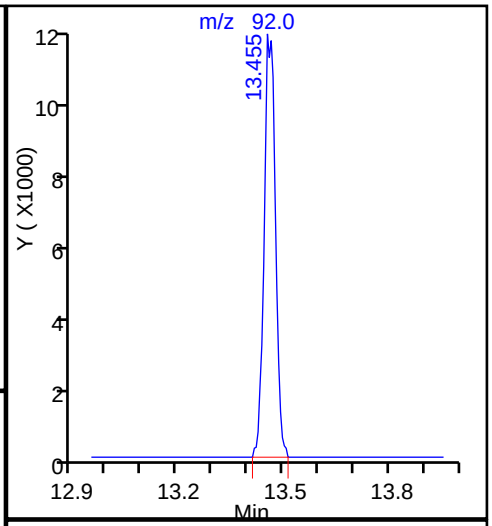
Report Date: 15-Oct-2014 11:36:23 Chrom Revision: 2.2 07-Oct-2014 12:16:06

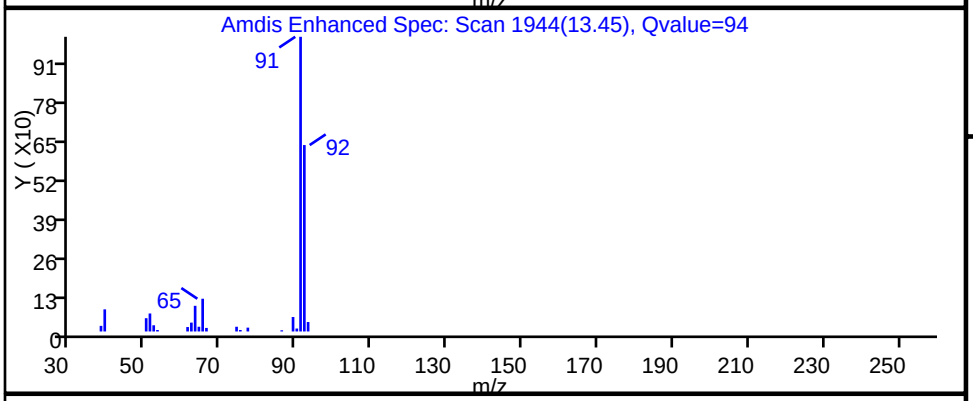
TestAmerica Burlington

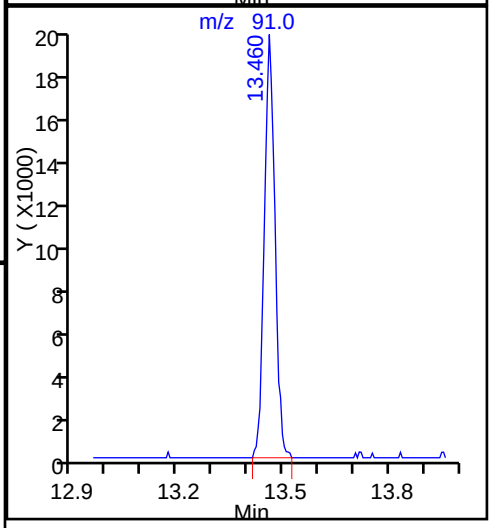
Data File:	\\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D				
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2		
Client ID:	GCTS MID CARBON				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

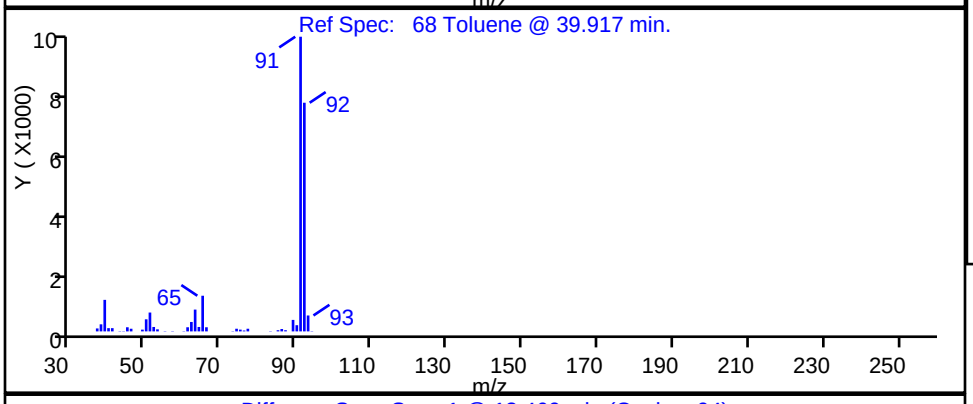
68 Toluene, CAS: 108-88-3

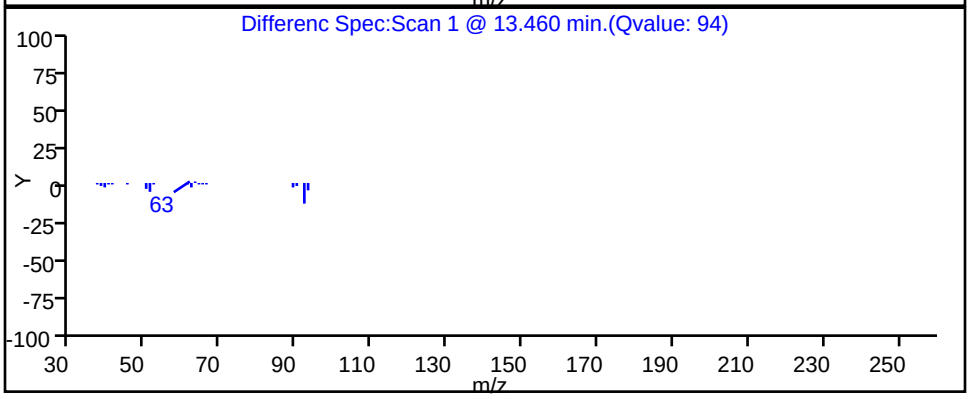












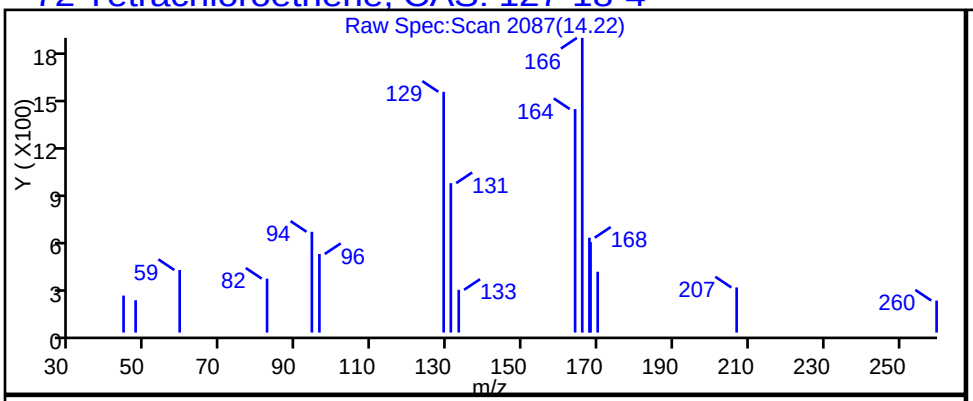
Report Date: 15-Oct-2014 11:36:23 Chrom Revision: 2.2 07-Oct-2014 12:16:06

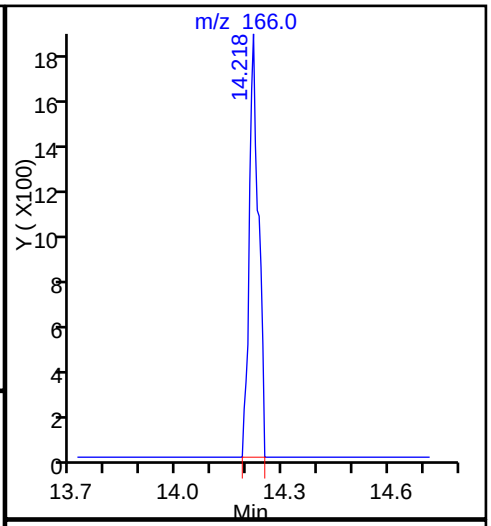
TestAmerica Burlington

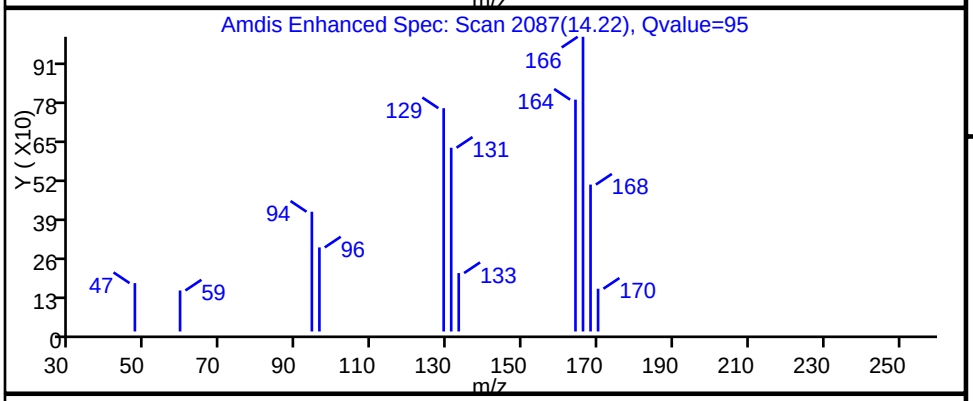
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

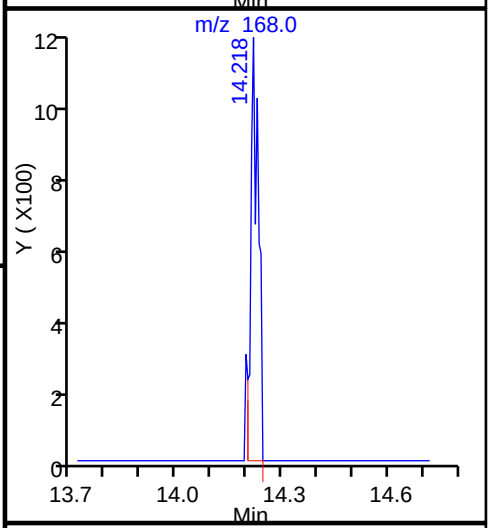
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2
Client ID:	GCTS MID CARBON		
Operator ID:	pad	ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

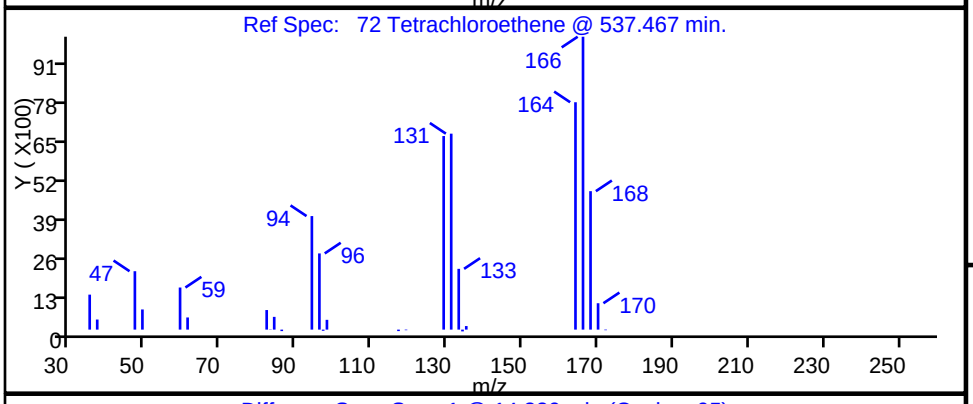
72 Tetrachloroethene, CAS: 127-18-4

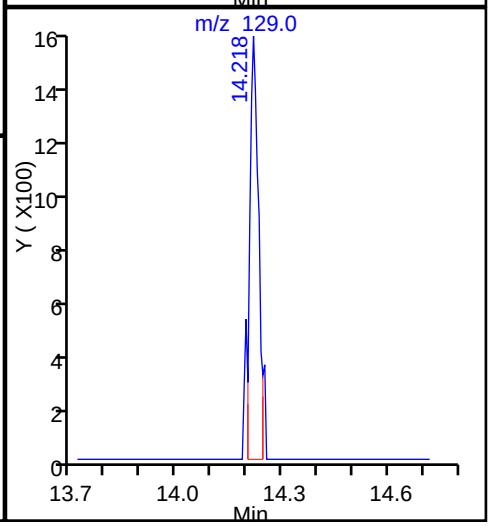


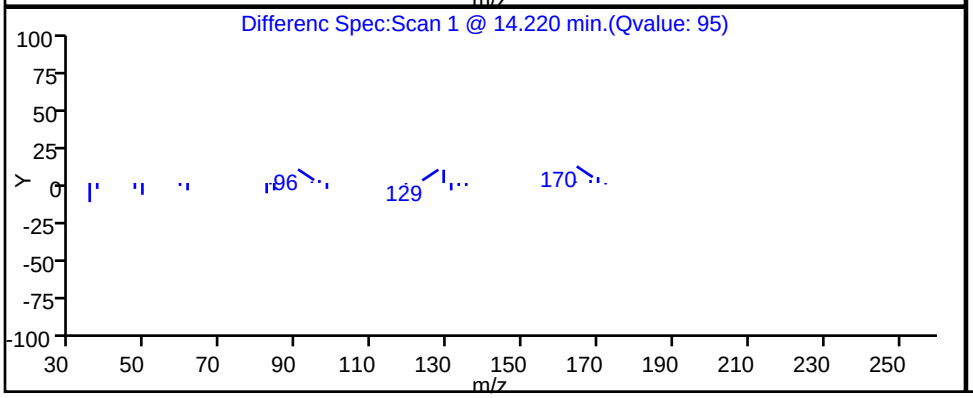










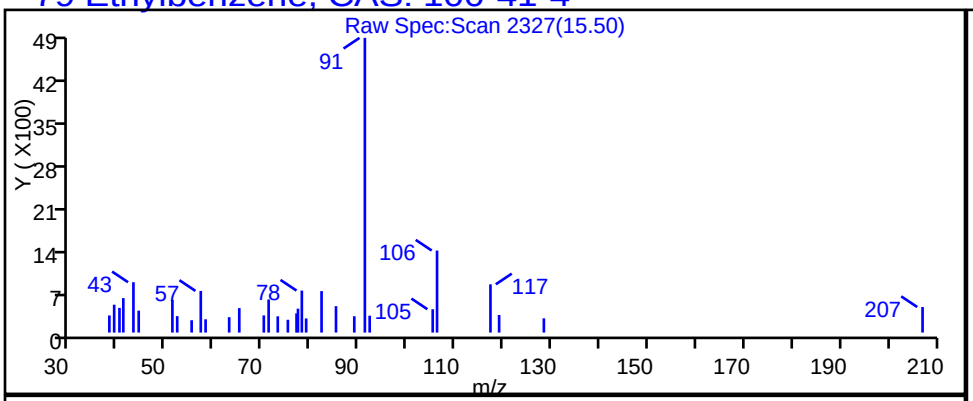


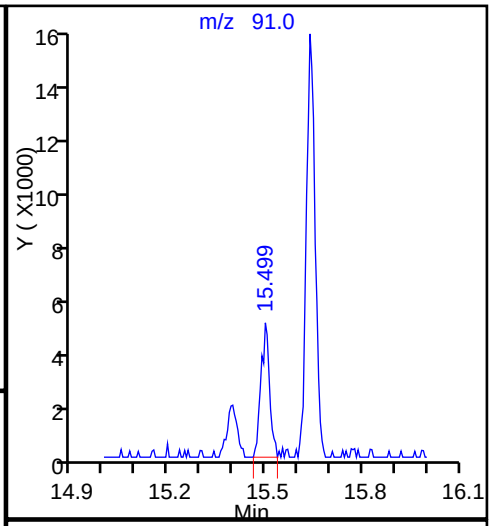
Report Date: 15-Oct-2014 11:36:23 Chrom Revision: 2.2 07-Oct-2014 12:16:06

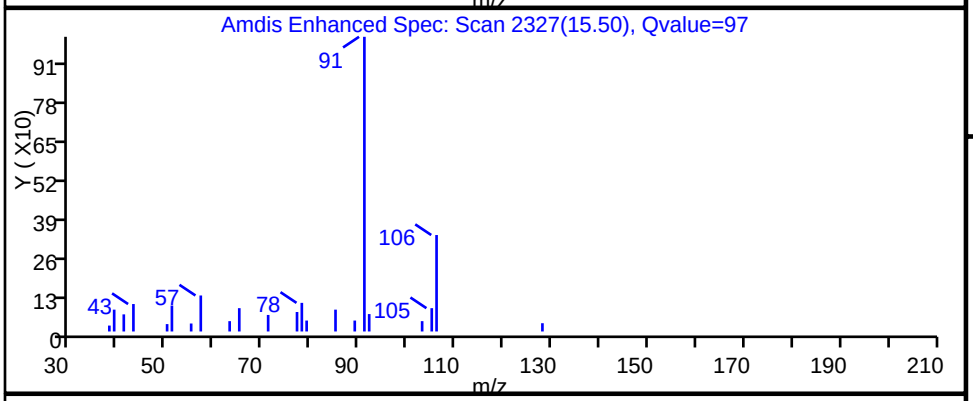
TestAmerica Burlington

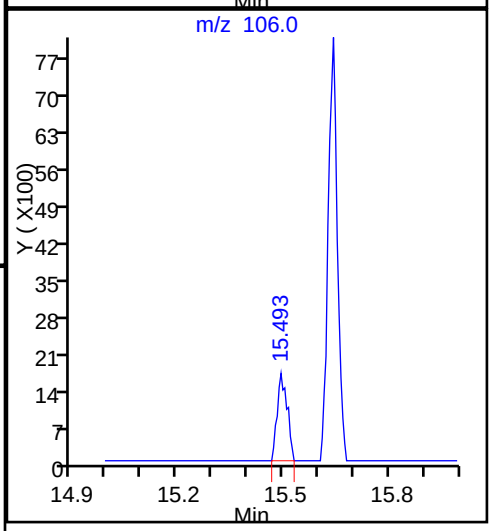
Data File:	\\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D				
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2		
Client ID:	GCTS MID CARBON				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

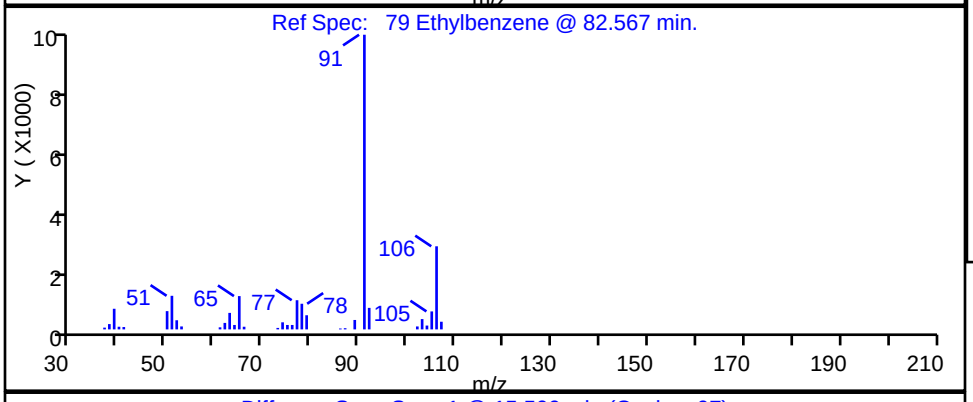
79 Ethylbenzene, CAS: 100-41-4

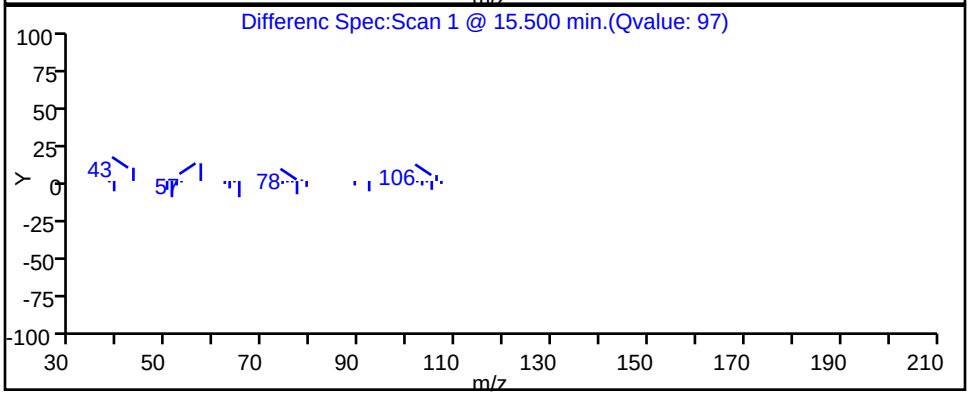










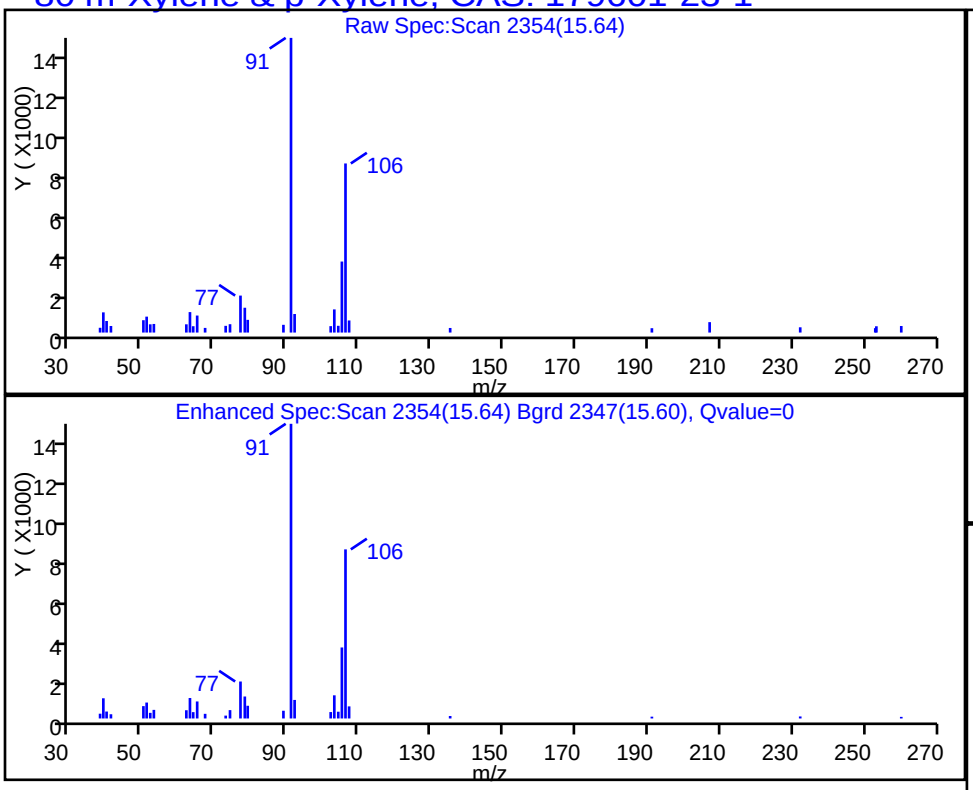


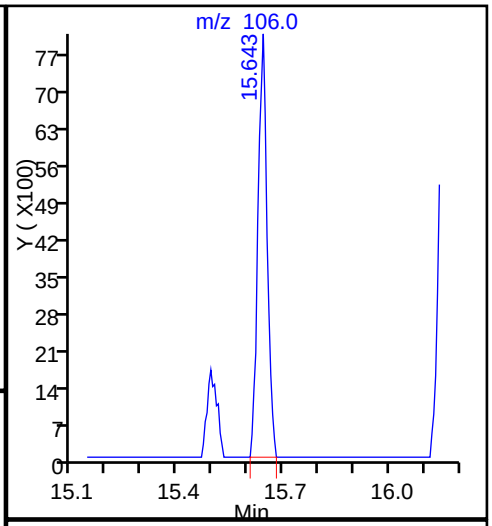
Report Date: 15-Oct-2014 11:36:23 Chrom Revision: 2.2 07-Oct-2014 12:16:06

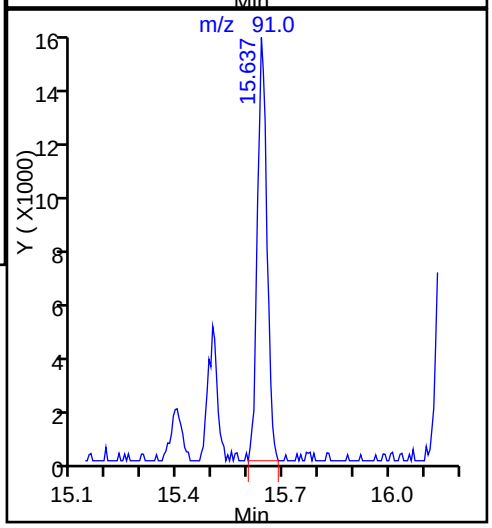
TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D				
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2		
Client ID:	GCTS MID CARBON				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1







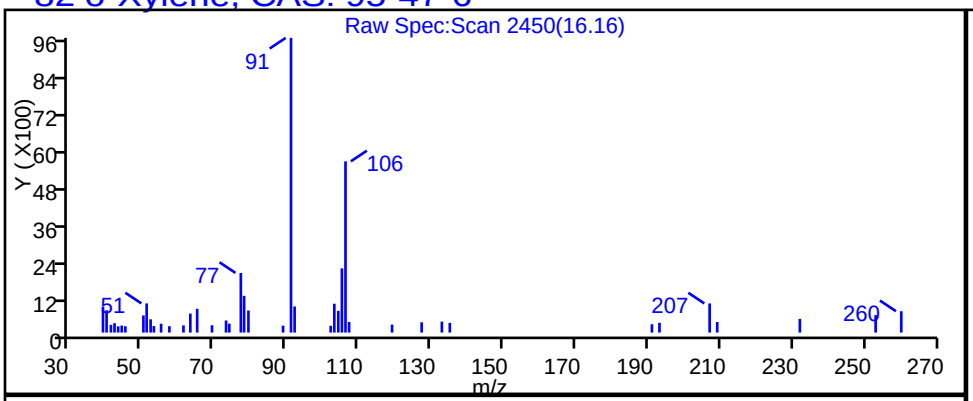
Report Date: 15-Oct-2014 11:36:23 Chrom Revision: 2.2 07-Oct-2014 12:16:06

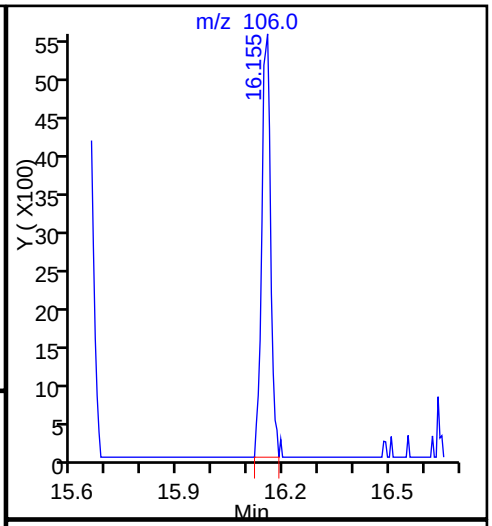
TestAmerica Burlington

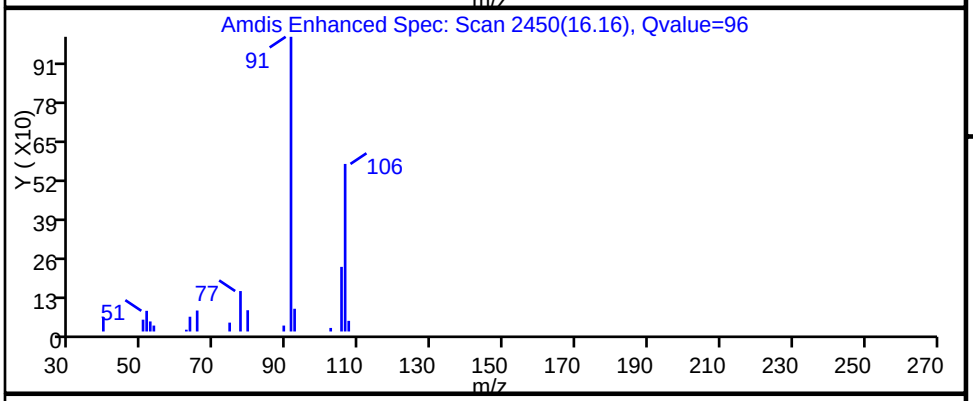
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

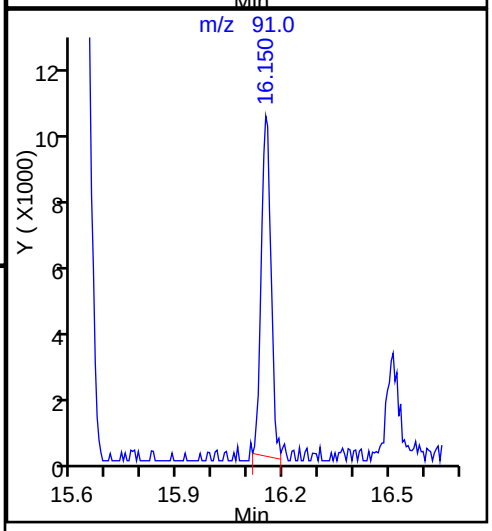
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2
Client ID:	GCTS MID CARBON		
Operator ID:	pad	ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

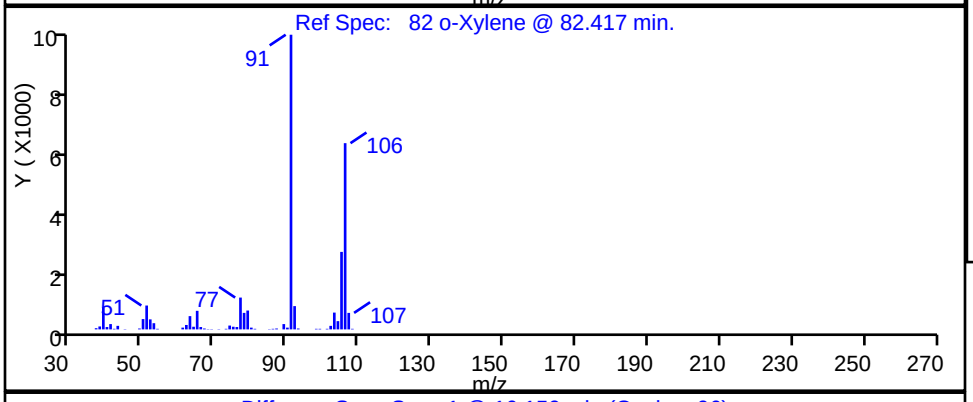
82 o-Xylene, CAS: 95-47-6

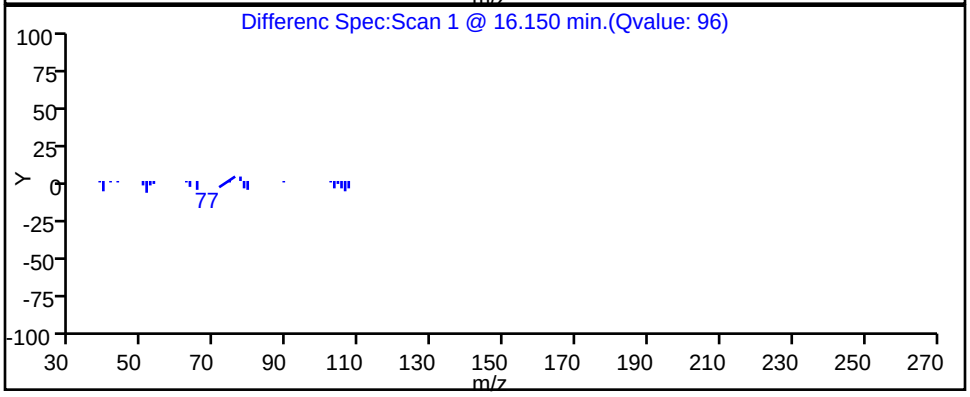












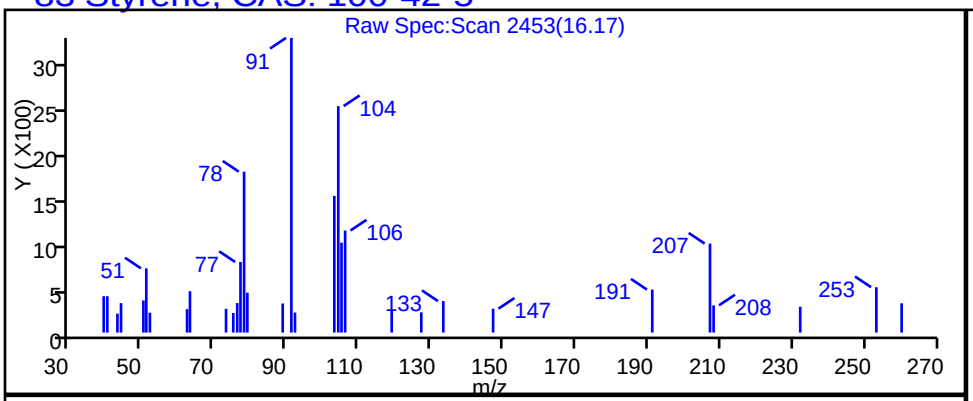
Report Date: 15-Oct-2014 11:36:23 Chrom Revision: 2.2 07-Oct-2014 12:16:06

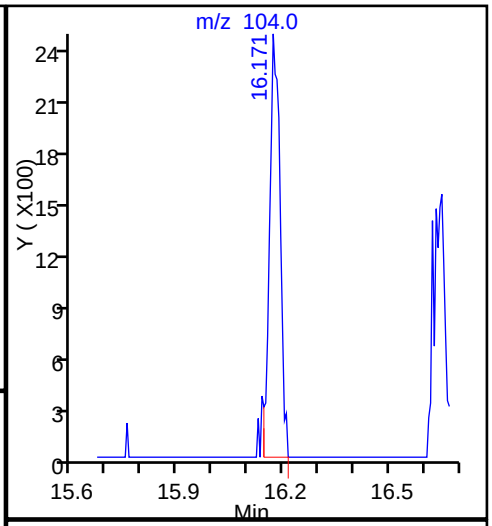
TestAmerica Burlington

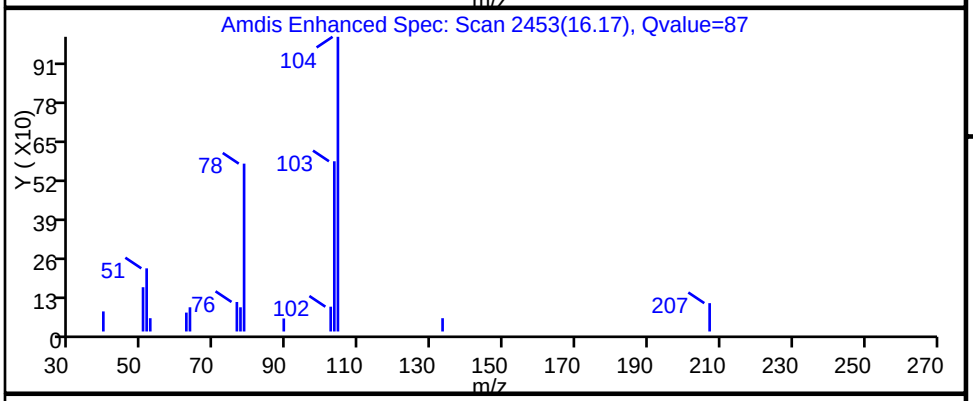
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

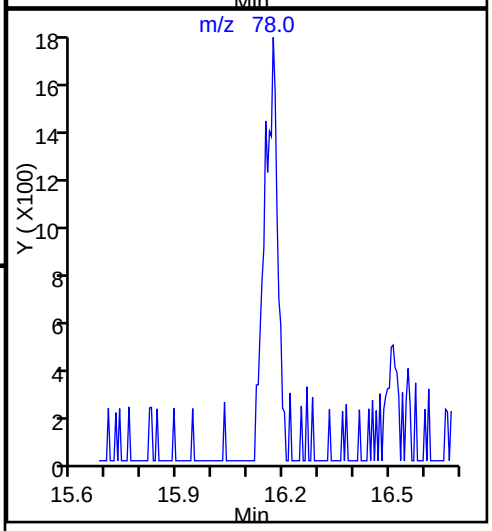
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2
Client ID:	GCTS MID CARBON		
Operator ID:	pad	ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

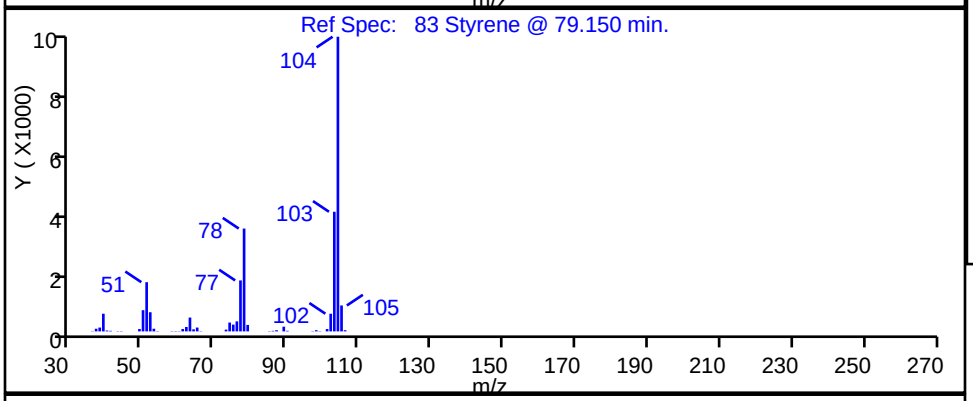
83 Styrene, CAS: 100-42-5

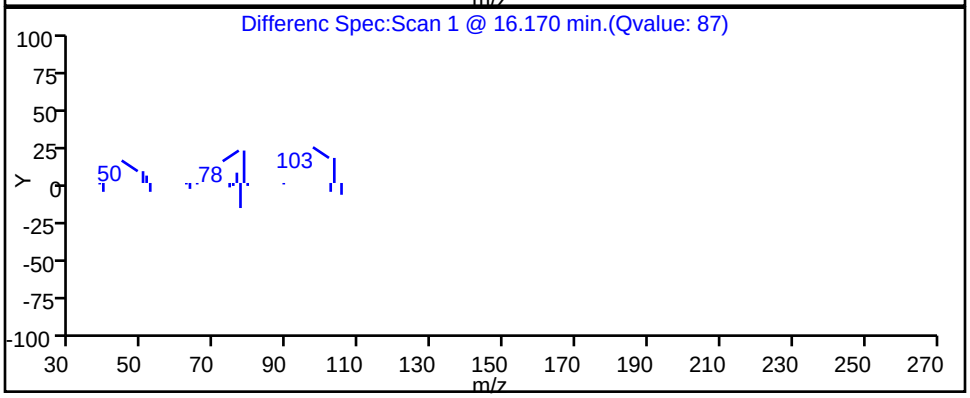












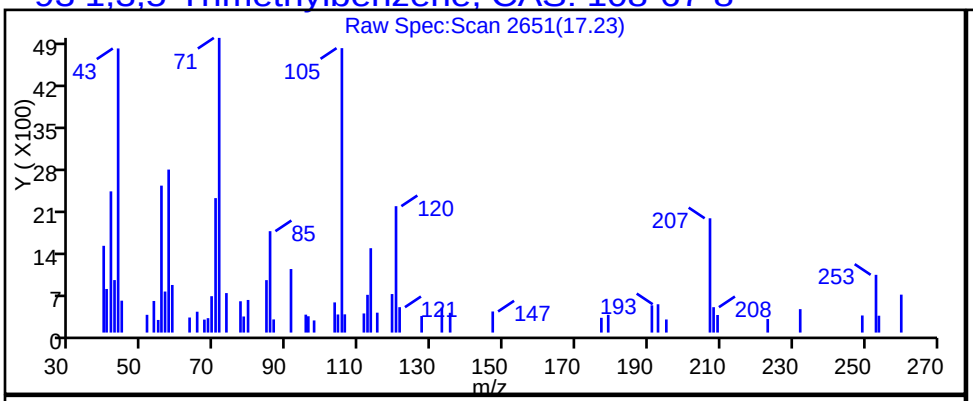
Report Date: 15-Oct-2014 11:36:23 Chrom Revision: 2.2 07-Oct-2014 12:16:06

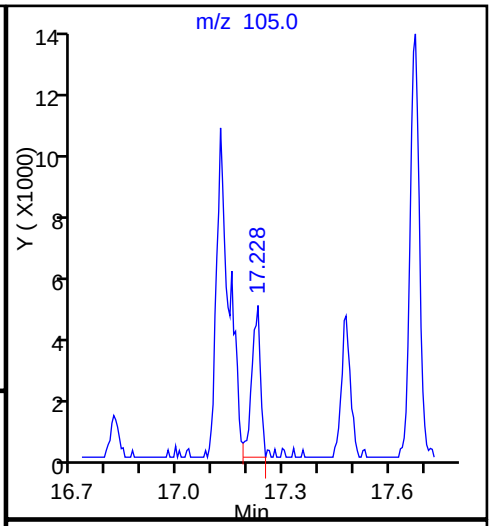
TestAmerica Burlington

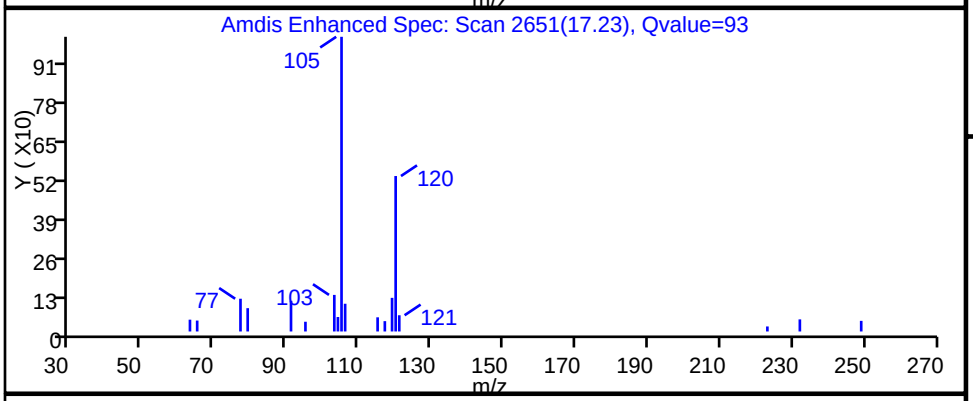
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

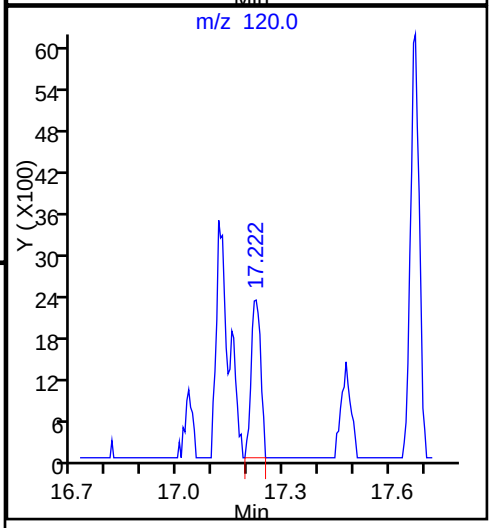
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2		
Client ID:	GCTS MID CARBON				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

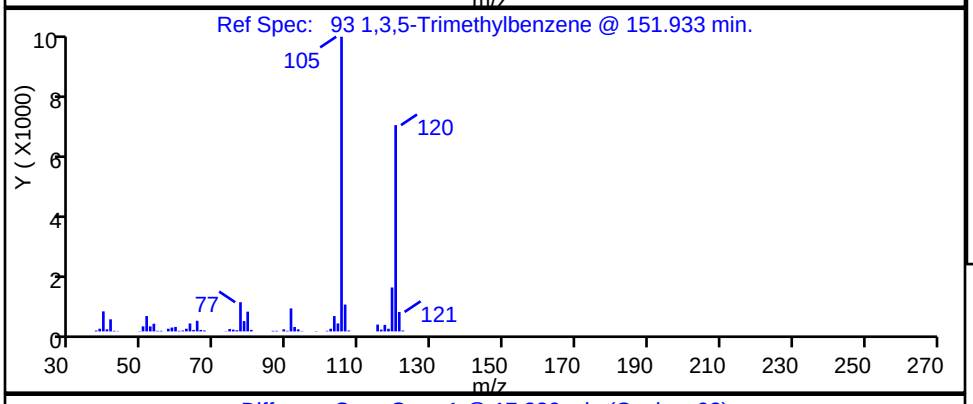
93 1,3,5-Trimethylbenzene, CAS: 108-67-8

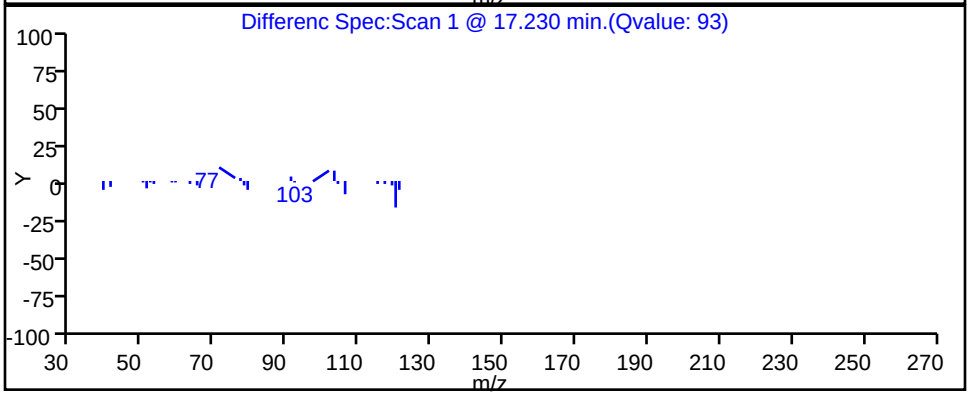












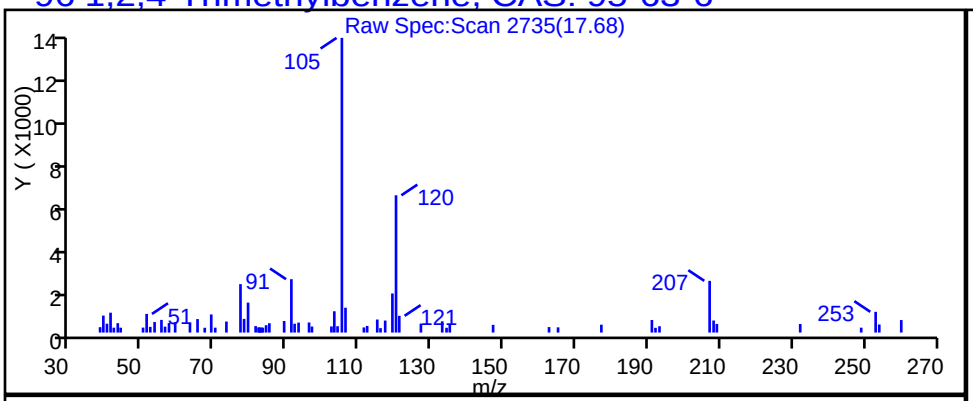
Report Date: 15-Oct-2014 11:36:23 Chrom Revision: 2.2 07-Oct-2014 12:16:06

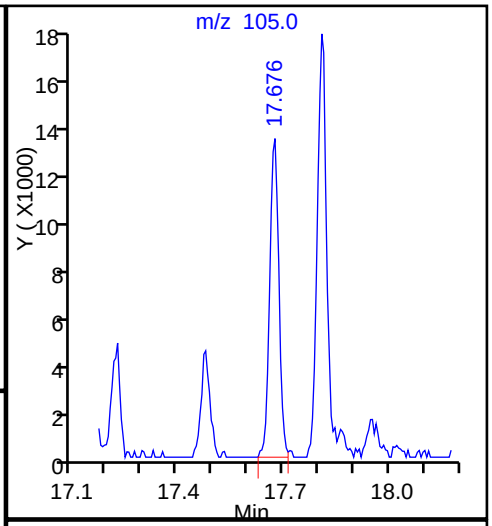
TestAmerica Burlington

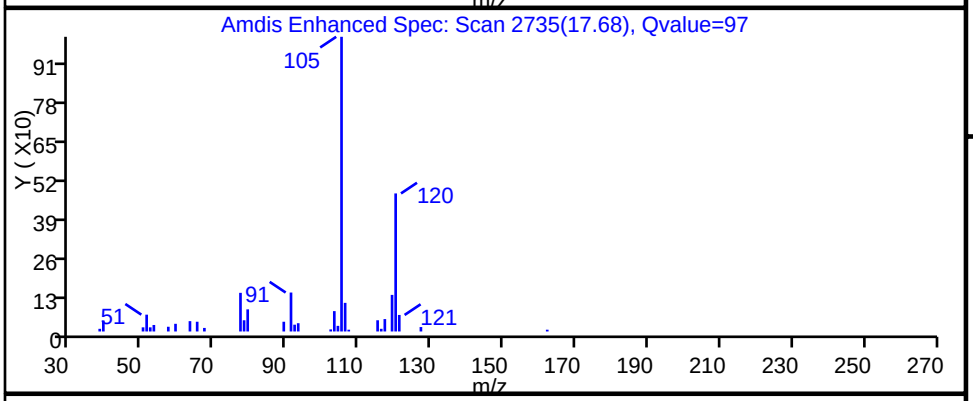
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_006.D

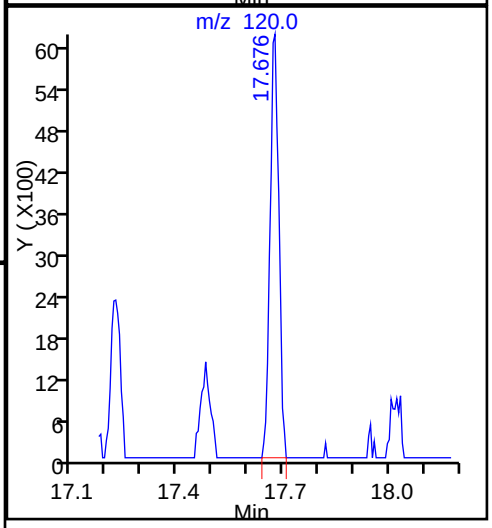
Injection Date:	14-Oct-2014 14:36:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-2	Lab Sample ID:	200-24717-2		
Client ID:	GCTS MID CARBON				
Operator ID:	pad	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

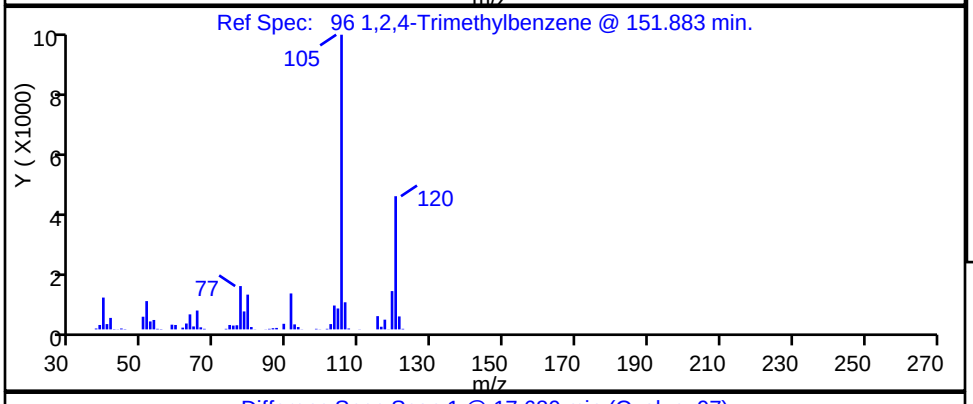
96 1,2,4-Trimethylbenzene, CAS: 95-63-6

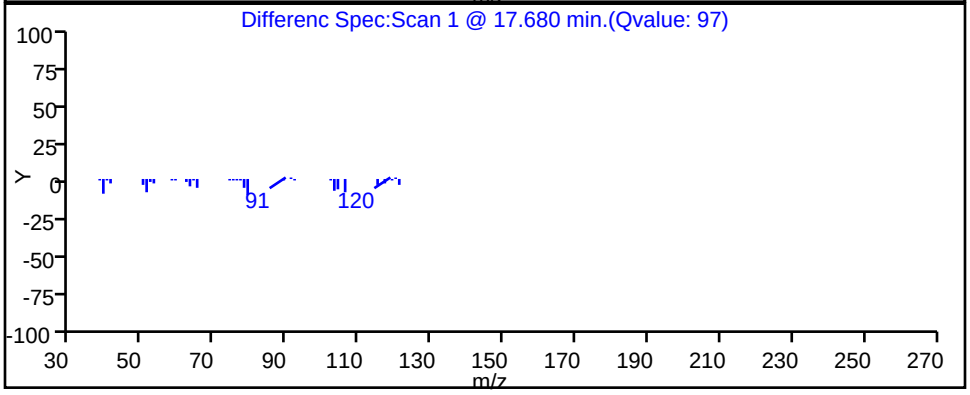












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-24717-3

Matrix: Air Lab File ID: 9990_007.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:03

Sample wt/vol: 200(mL) Date Analyzed: 10/14/2014 15:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.67		0.50	0.056
75-45-6	Freon 22	86.47	0.34	J	0.50	0.080
76-14-2	Freon-114	170.92	0.20	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.060
106-97-8	n-Butane	58.12	0.50	U	0.50	0.18
75-01-4	Vinyl chloride	62.50	1.1		0.040	0.026
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.061
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.020
75-69-4	Freon 11	137.37	0.33		0.20	0.045
76-13-1	Freon 113	187.38	7.6		0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.18	J	0.20	0.010
67-64-1	Acetone	58.08	5.0	U	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.030
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.38	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.027
110-54-3	Hexane	86.17	0.20	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	13		0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	1.4		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	34		0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	34		0.20	0.053
67-66-3	Chloroform	119.38	0.29		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.44	J	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.023
71-43-2	Benzene	78.11	0.041	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.052
142-82-5	Heptane	100.21	0.20	U	0.20	0.037

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-24717-3

Matrix: Air Lab File ID: 9990_007.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:03

Sample wt/vol: 200(mL) Date Analyzed: 10/14/2014 15:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040		0.040	0.030
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.18
108-88-3	Toluene	92.14	0.12	J	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.032	J	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.084	J	0.50	0.025
95-47-6	Xylene, o-	106.17	0.090	J	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.17	J	0.20	0.041
100-42-5	Styrene	104.15	0.052	J	0.20	0.016
75-25-2	Bromoform	252.75	0.20	U	0.20	0.025
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.076	J	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.019
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.028

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-24717-3

Matrix: Air Lab File ID: 9990_007.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:03

Sample wt/vol: 200(mL) Date Analyzed: 10/14/2014 15:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.034
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.030

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-24717-3

Matrix: Air Lab File ID: 9990_007.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:03

Sample wt/vol: 200(mL) Date Analyzed: 10/14/2014 15:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	3.3		2.5	0.28
75-45-6	Freon 22	86.47	1.2	J	1.8	0.28
76-14-2	Freon-114	170.92	1.4	U	1.4	0.36
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.12
106-97-8	n-Butane	58.12	1.2	U	1.2	0.43
75-01-4	Vinyl chloride	62.50	2.7		0.10	0.066
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.17
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.16
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.087
75-69-4	Freon 11	137.37	1.8		1.1	0.25
76-13-1	Freon 113	187.38	59		1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.70	J	0.79	0.040
67-64-1	Acetone	58.08	12	U	12	1.6
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.37
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.093
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	1.3	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	52		0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	4.1		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	130		0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	130		0.79	0.21
67-66-3	Chloroform	119.38	1.4		0.98	0.19
109-99-9	Tetrahydrofuran	72.11	1.3	J	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.11
71-43-2	Benzene	78.11	0.13	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.21
142-82-5	Heptane	100.21	0.82	U	0.82	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-24717-3

Matrix: Air Lab File ID: 9990_007.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:03

Sample wt/vol: 200(mL) Date Analyzed: 10/14/2014 15:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21		0.21	0.16
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	18	U	18	0.58
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.74
108-88-3	Toluene	92.14	0.46	J	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.22	J	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.36	J	2.2	0.11
95-47-6	Xylene, o-	106.17	0.39	J	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.76	J	0.87	0.18
100-42-5	Styrene	104.15	0.22	J	0.85	0.068
75-25-2	Bromoform	252.75	2.1	U	2.1	0.26
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.37	J	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.11
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: GCTS POST CARBON Lab Sample ID: 200-24717-3

Matrix: Air Lab File ID: 9990_007.D

Analysis Method: TO-15 Date Collected: 10/09/2014 17:03

Sample wt/vol: 200(mL) Date Analyzed: 10/14/2014 15:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.25
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.38
91-20-3	Naphthalene	128.17	2.6	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D
Lims ID: 200-24717-A-3 Lab Sample ID: 200-24717-3
Client ID: GCTS POST CARBON
Sample Type: Client
Inject. Date: 14-Oct-2014 15:28:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009990-007
Misc. Info.: 24717-03
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 15-Oct-2014 11:36:18 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: daiglep Date: 15-Oct-2014 11:12:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85	3.224	3.224	0.000	99	82988	0.6746	
6 Chlorodifluoromethane	51	3.266	3.261	0.005	95	17034	0.3419	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.453				ND	
8 Chloromethane	50		3.587				ND	
9 Butane	43		3.768				ND	
10 Vinyl chloride	62	3.816	3.811	0.005	98	28497	1.07	
11 Butadiene	54		3.880				ND	
12 Bromomethane	94		4.590				ND	
14 Chloroethane	64		4.830				ND	
16 Vinyl bromide	106		5.252				ND	
17 Trichlorofluoromethane	101	5.343	5.348	-0.006	98	46815	0.3290	
23 1,1,2-Trichloro-1,2,2-trif	101	6.394	6.394	0.000	97	652443	7.64	
24 1,1-Dichloroethene	96	6.479	6.479	0.000	66	6798	0.1772	
25 Acetone	43		6.655				ND	
26 Isopropyl alcohol	45		6.858				ND	
27 Carbon disulfide	76		6.906				ND	
29 3-Chloro-1-propene	41		7.200				ND	
31 Methylene Chloride	49	7.461	7.461	0.000	79	11229	0.3784	
32 2-Methyl-2-propanol	59		7.563				ND	
33 Methyl tert-butyl ether	73		7.792				ND	
34 trans-1,2-Dichloroethene	61		7.862				ND	
36 Hexane	57		8.176				ND	
37 1,1-Dichloroethane	63	8.625	8.625	0.000	99	751155	12.8	
* 44 Chlorobromomethane	128	9.906	9.906	0.000	69	424127	10.0	
39 cis-1,2-Dichloroethene	96	9.532	9.532	0.000	95	1416299	33.8	
40 2-Butanone (MEK)	72	9.527	9.532	-0.005	24	26222	1.40	
43 Tetrahydrofuran	42	9.906	9.900	0.006	37	10219	0.4417	
45 Chloroform	83	9.970	9.975	-0.005	97	27079	0.2874	
S 42 1,2-Dichloroethene, Total	61				0		33.8	
46 Cyclohexane	84		10.220				ND	
47 1,1,1-Trichloroethane	97		10.226				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		10.423				ND	
49 Isooctane	57		10.695				ND	
50 Benzene	78	10.759	10.759	0.000	95	4407	0.0406	
51 1,2-Dichloroethane	62		10.877				ND	
52 n-Heptane	43		10.946				ND	
* 54 1,4-Difluorobenzene	114	11.304	11.309	-0.005	93	2028930	10.0	
57 Trichloroethene	95	11.656	11.667	-0.011	92	2356	0.0397	
58 1,2-Dichloropropane	63		12.051				ND	
59 Methyl methacrylate	69		12.078				ND	
60 1,4-Dioxane	88		12.174				ND	
62 Dichlorobromomethane	83		12.409				ND	
64 cis-1,3-Dichloropropene	75		13.038				ND	
65 4-Methyl-2-pentanone (MIBK	43		13.188				ND	
68 Toluene	92	13.465	13.465	0.000	95	10629	0.1210	
70 trans-1,3-Dichloropropene	75		13.834				ND	
71 1,1,2-Trichloroethane	83		14.106				ND	
72 Tetrachloroethene	166	14.223	14.223	0.000	88	2900	0.0320	
73 2-Hexanone	43		14.357				ND	
74 Chlorodibromomethane	129		14.650				ND	
75 Ethylene Dibromide	107		14.853				ND	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	84	1745884	10.0	
77 Chlorobenzene	112		15.435				ND	
79 Ethylbenzene	91		15.499				ND	
80 m-Xylene & p-Xylene	106	15.648	15.643	0.005	0	7451	0.0836	
S 81 Xylenes, Total	106				0		0.1734	
82 o-Xylene	106	16.150	16.150	0.000	94	7838	0.0899	
83 Styrene	104	16.171	16.176	-0.005	97	6976	0.0524	
84 Bromoform	173		16.475				ND	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	91	1322318	NC	
87 1,1,2,2-Tetrachloroethane	83		16.972				ND	
88 N-Propylbenzene	91		17.030				ND	
91 4-Ethyltoluene	105		17.153				ND	
92 2-Chlorotoluene	91		17.201				ND	
93 1,3,5-Trimethylbenzene	105		17.222				ND	
95 tert-Butylbenzene	119		17.607				ND	
96 1,2,4-Trimethylbenzene	105	17.676	17.676	0.000	97	18187	0.0763	
97 sec-Butylbenzene	105		17.863				ND	
98 4-Isopropyltoluene	119		18.018				ND	
99 1,3-Dichlorobenzene	146		18.103				ND	
100 1,4-Dichlorobenzene	146		18.215				ND	
101 Benzyl chloride	91		18.381				ND	
103 n-Butylbenzene	91		18.535				ND	
104 1,2-Dichlorobenzene	146		18.717				ND	
107 1,2,4-Trichlorobenzene	180		21.140				ND	
108 Hexachlorobutadiene	225		21.305				ND	
109 Naphthalene	128		21.652				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15BISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

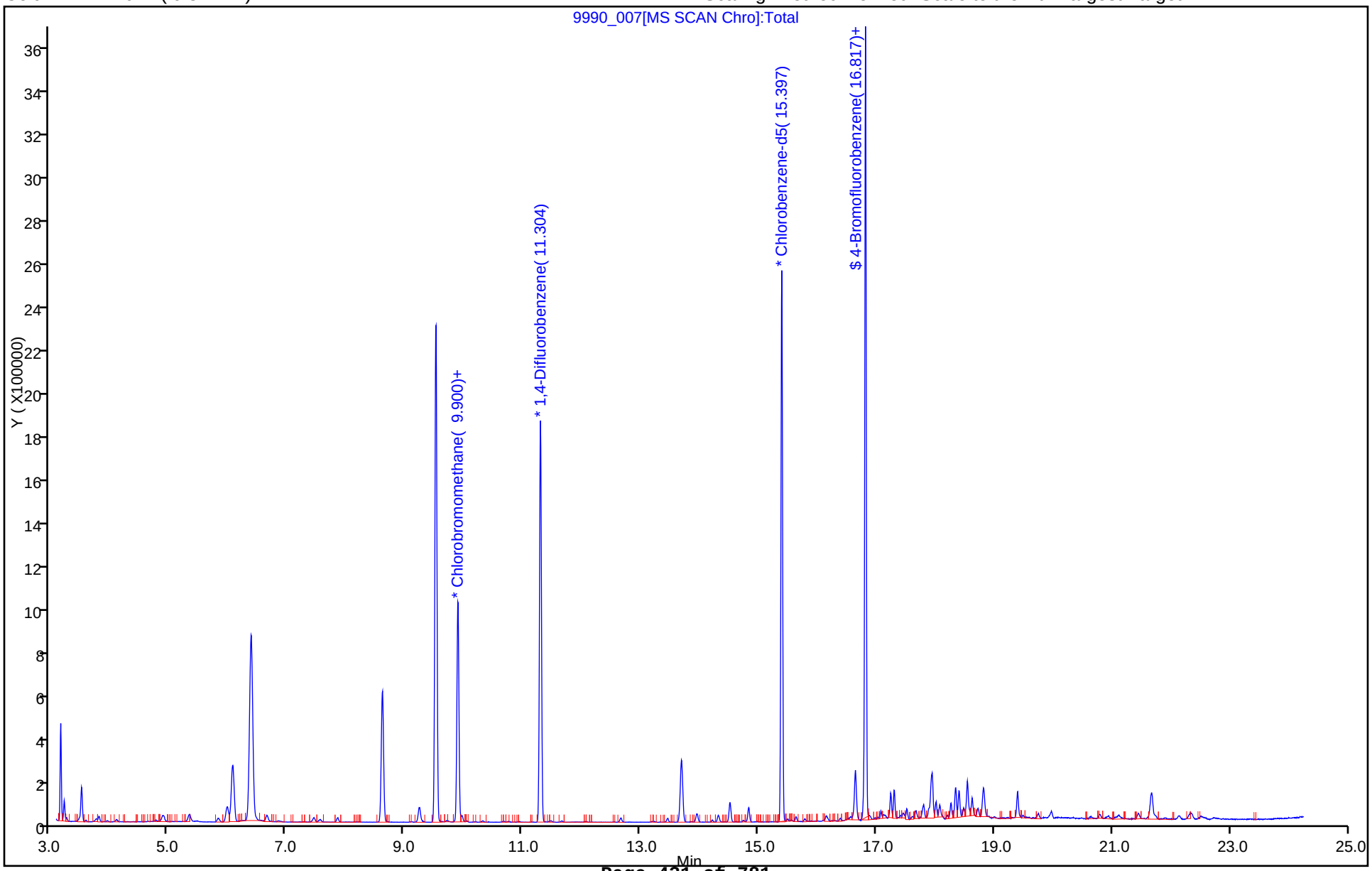
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3	Worklist Smp#:	7
Client ID:	GCTS POST CARBON				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

Injection Date: 14-Oct-2014 15:28:30 Instrument ID: CHB.i

Lims ID: 200-24717-A-3 Lab Sample ID: 200-24717-3

Client ID: GCTS POST CARBON

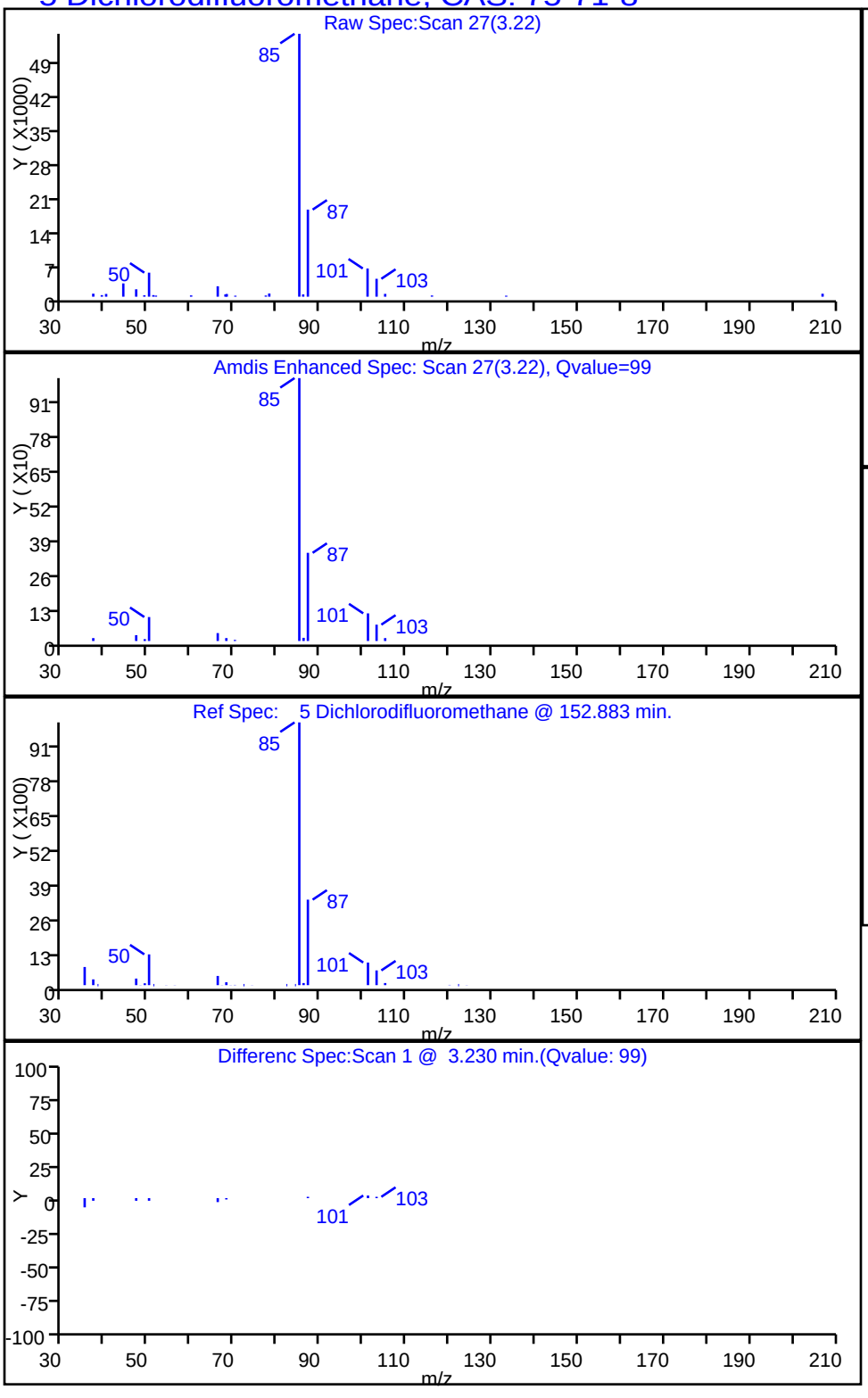
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 7

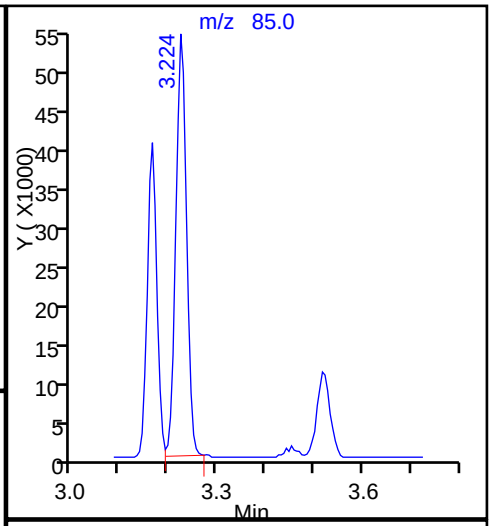
Purge Vol: 5.000 mL Dil. Factor: 1.0000

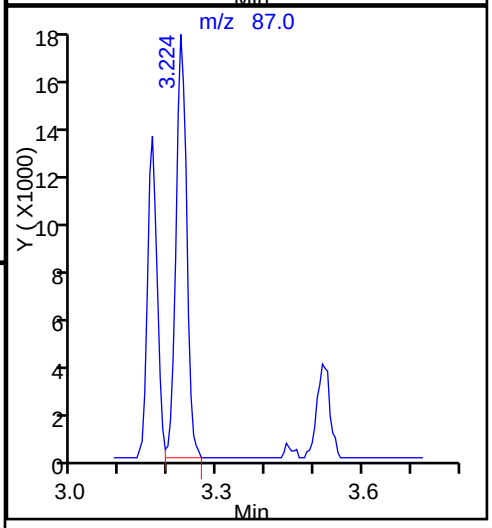
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

5 Dichlorodifluoromethane, CAS: 75-71-8







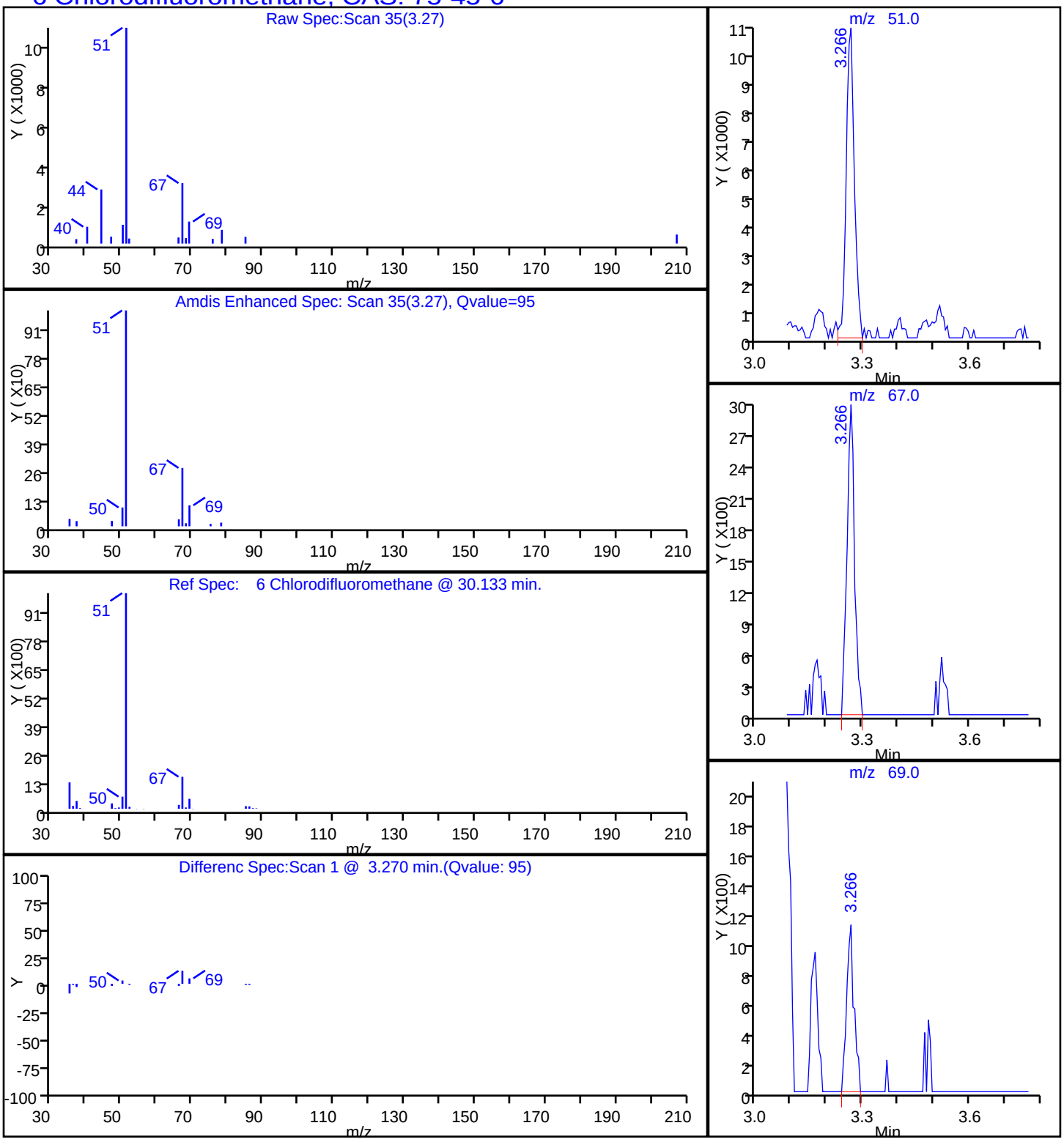
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3		
Client ID:	GCTS POST CARBON				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6

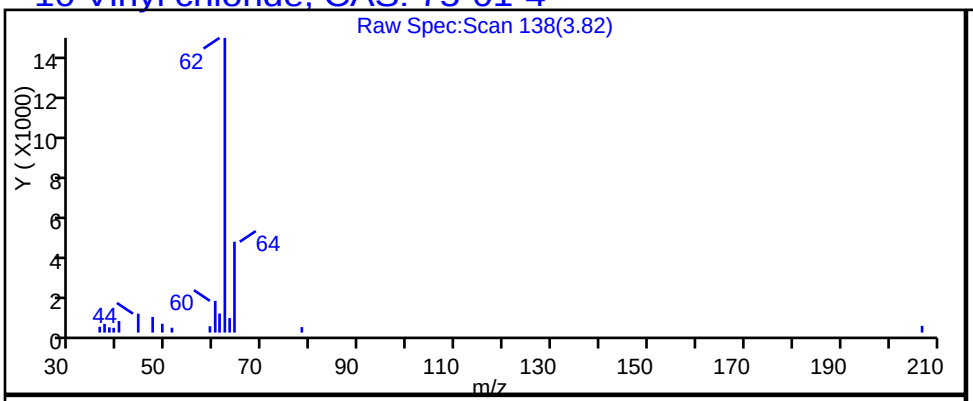


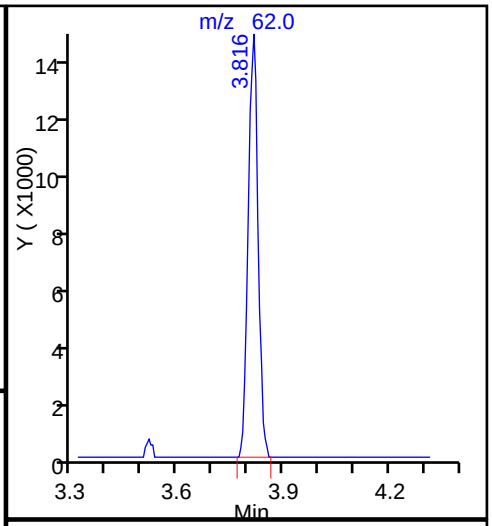
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

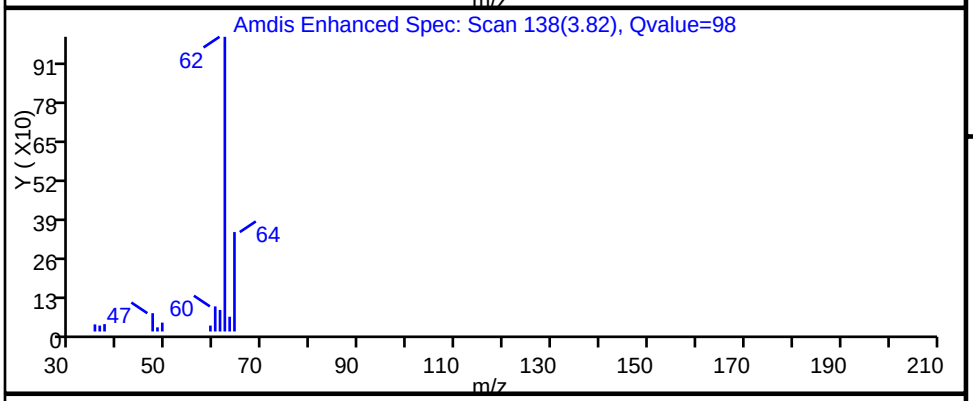
TestAmerica Burlington

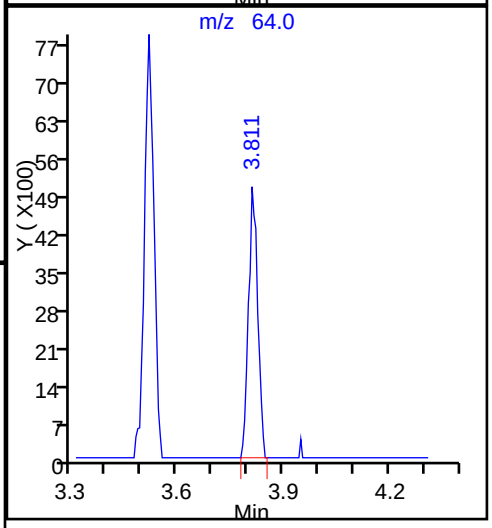
Data File:	\\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D				
Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3		
Client ID:	GCTS POST CARBON				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

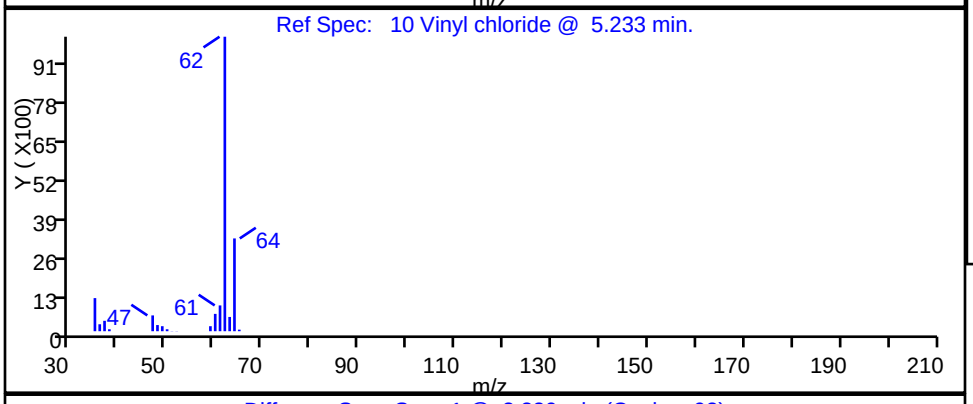
10 Vinyl chloride, CAS: 75-01-4

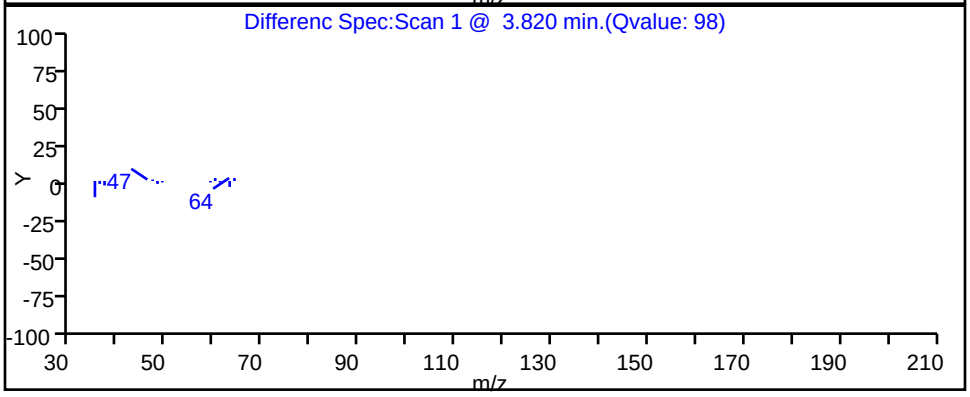












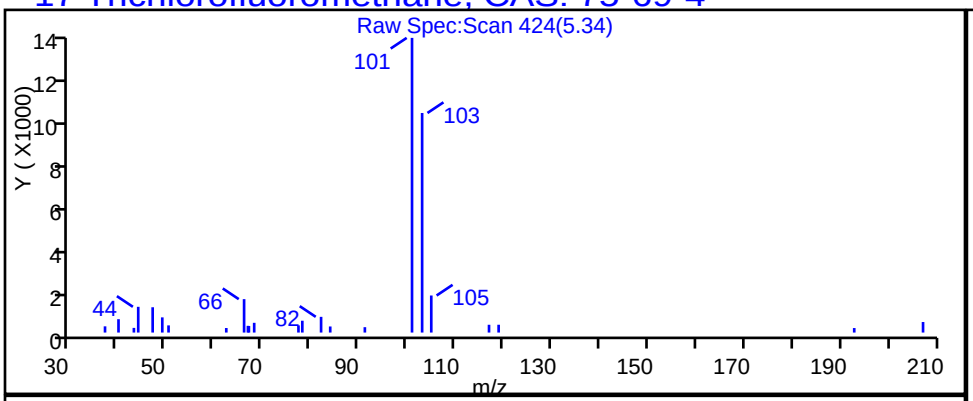
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

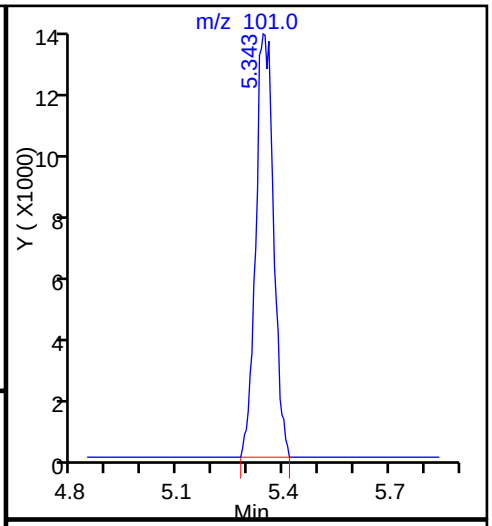
TestAmerica Burlington

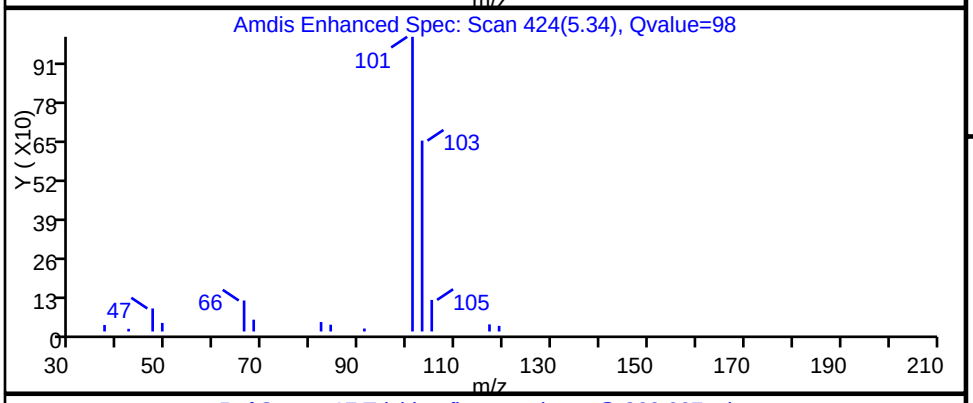
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

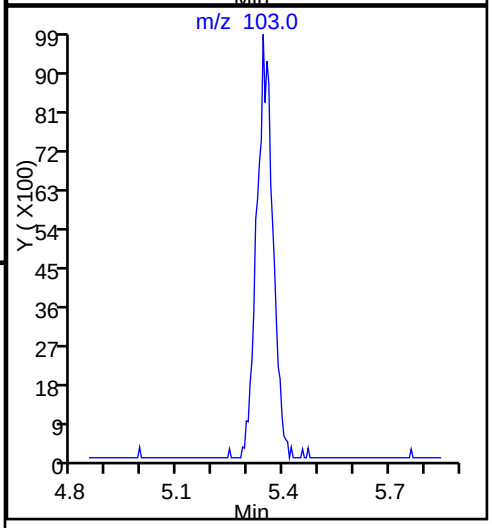
Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3		
Client ID:	GCTS POST CARBON				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

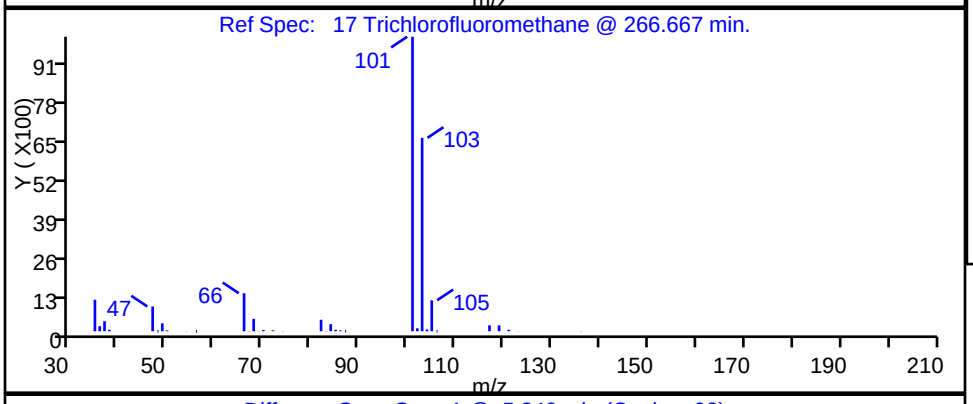
17 Trichlorofluoromethane, CAS: 75-69-4

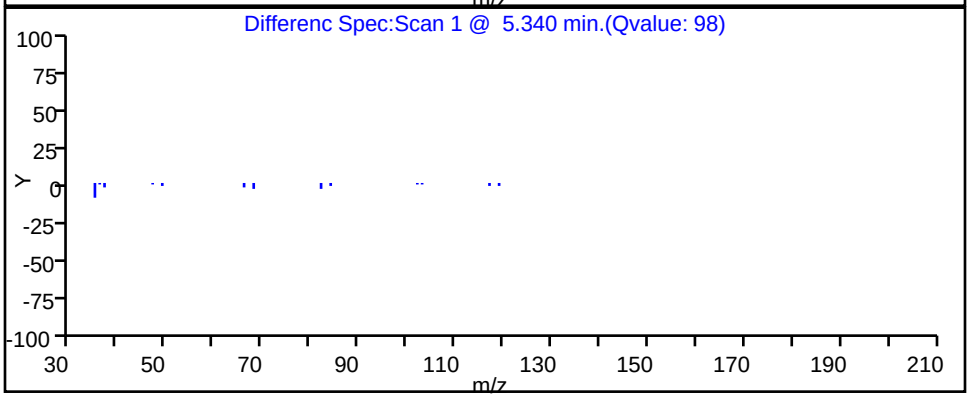












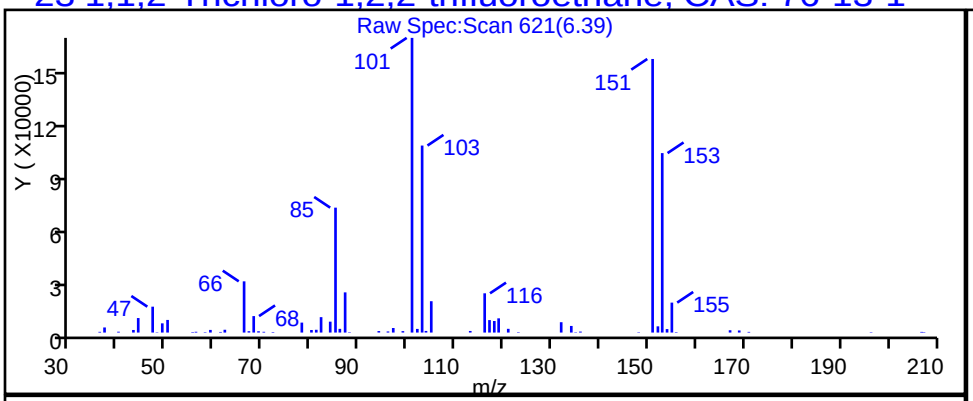
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

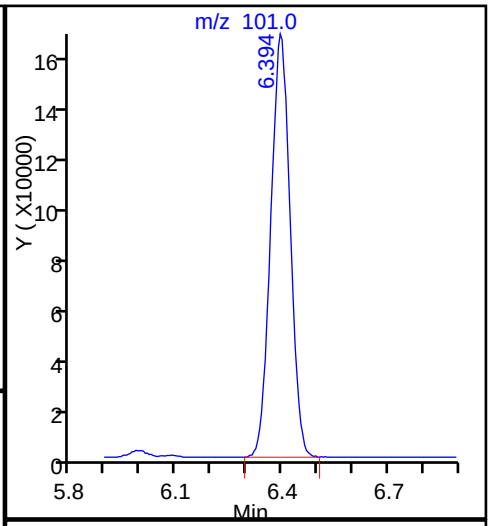
TestAmerica Burlington

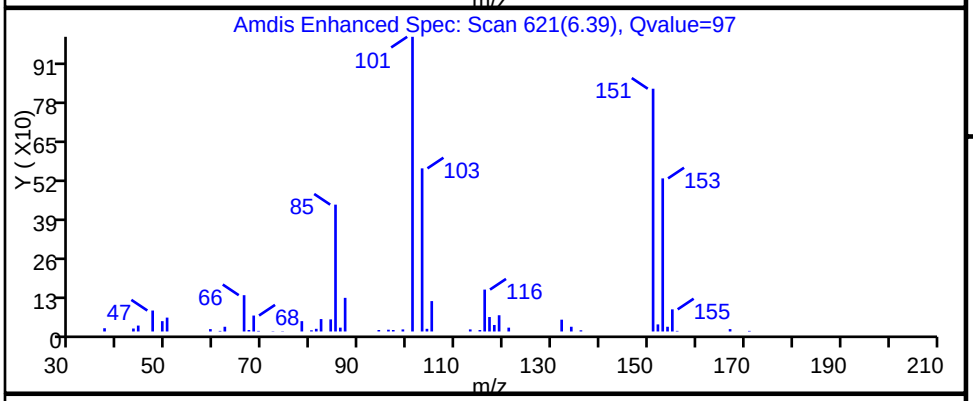
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

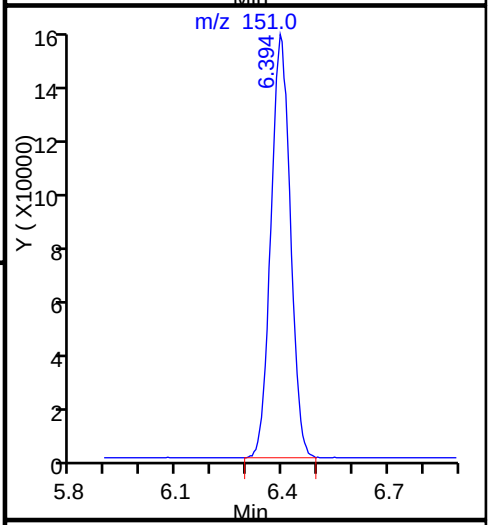
Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3		
Client ID:	GCTS POST CARBON				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

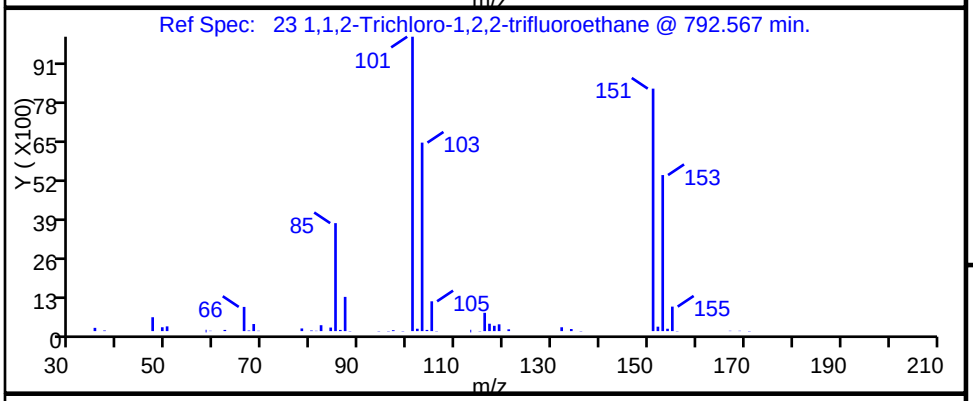
23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

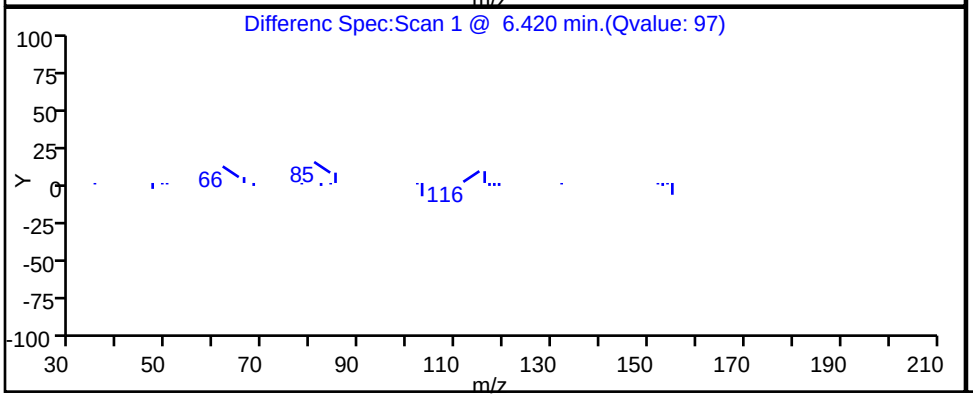


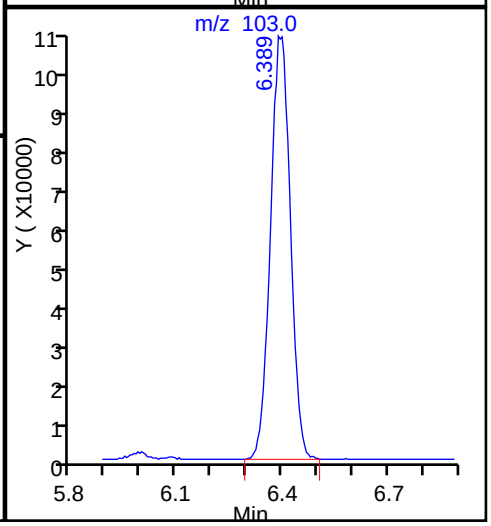












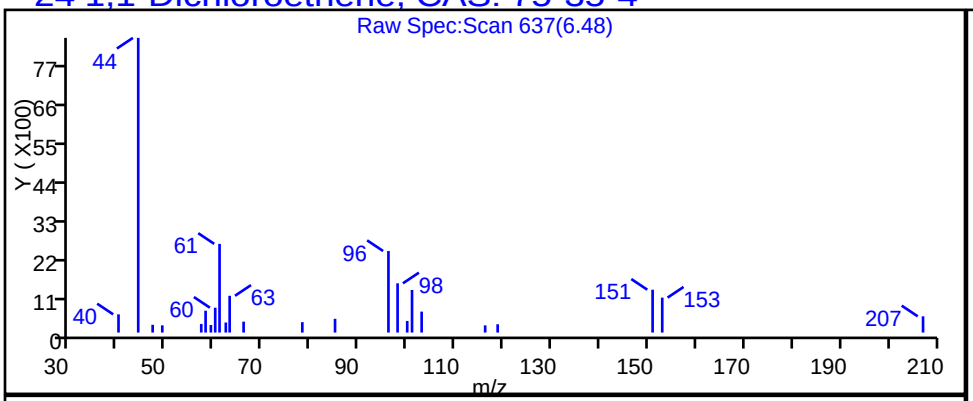
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

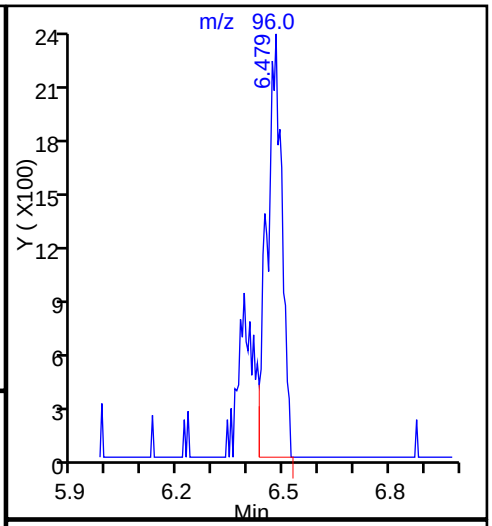
TestAmerica Burlington

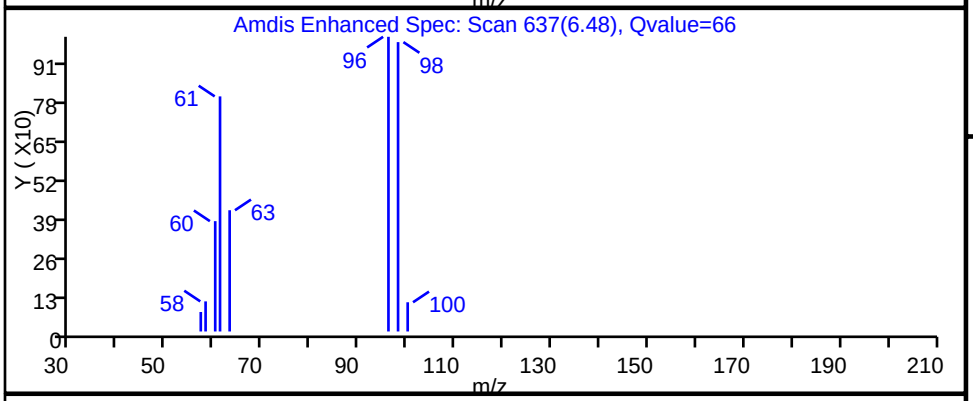
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

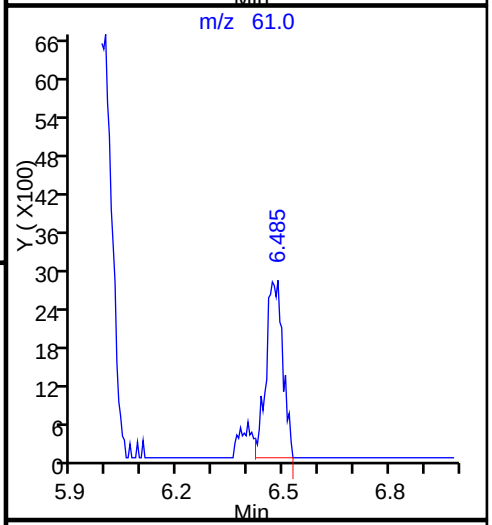
Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3		
Client ID:	GCTS POST CARBON				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

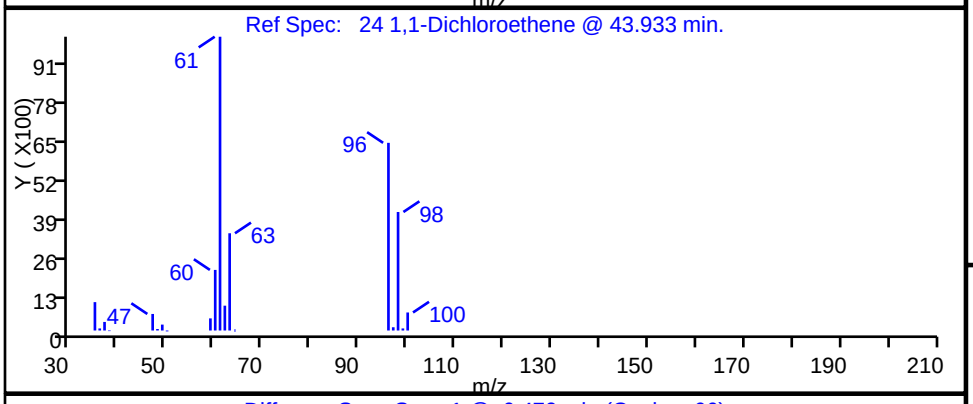
24 1,1-Dichloroethene, CAS: 75-35-4

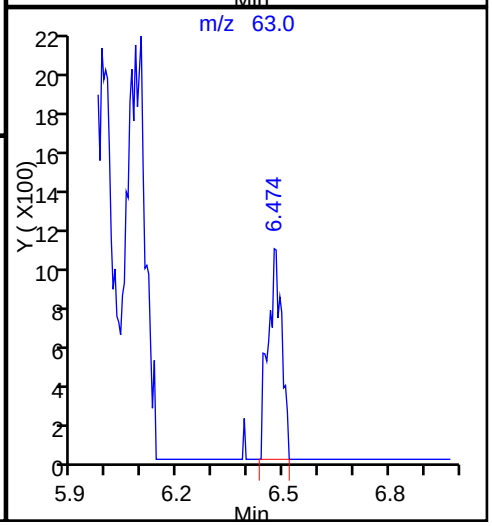


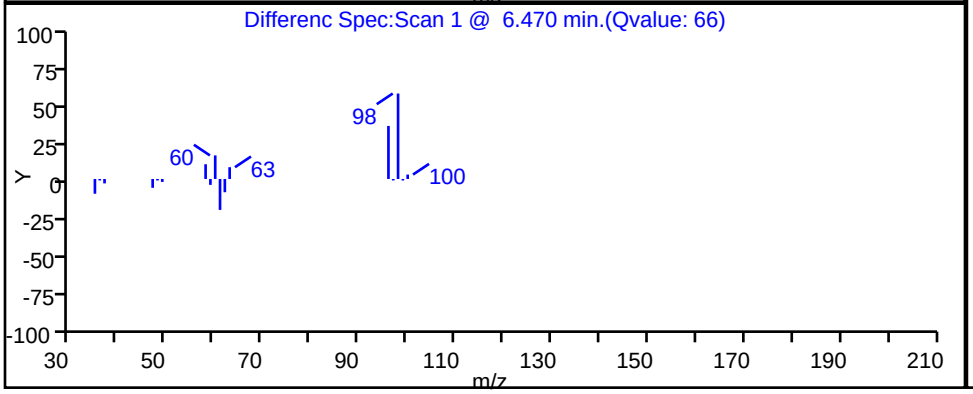












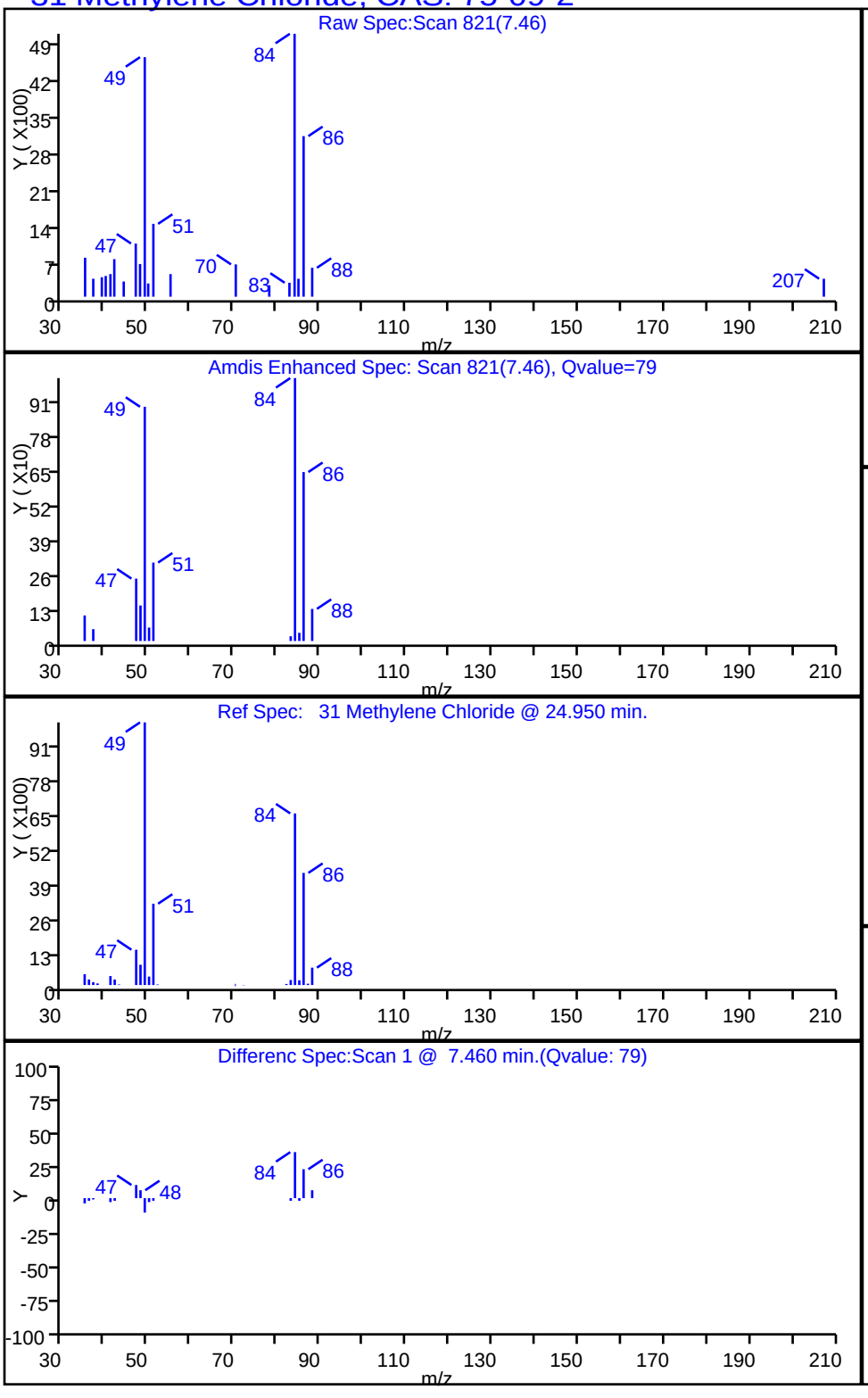
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

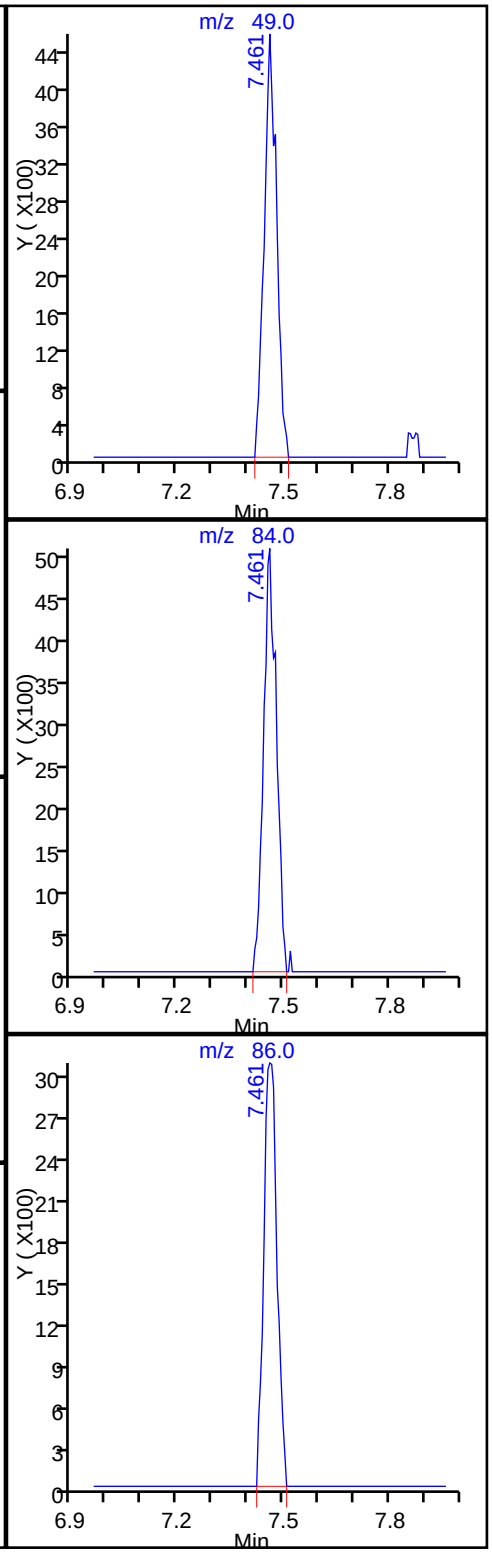
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3
Client ID:	GCTS POST CARBON		
Operator ID:	pad	ALS Bottle#:	6 Worklist Smp#: 7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

31 Methylene Chloride, CAS: 75-09-2





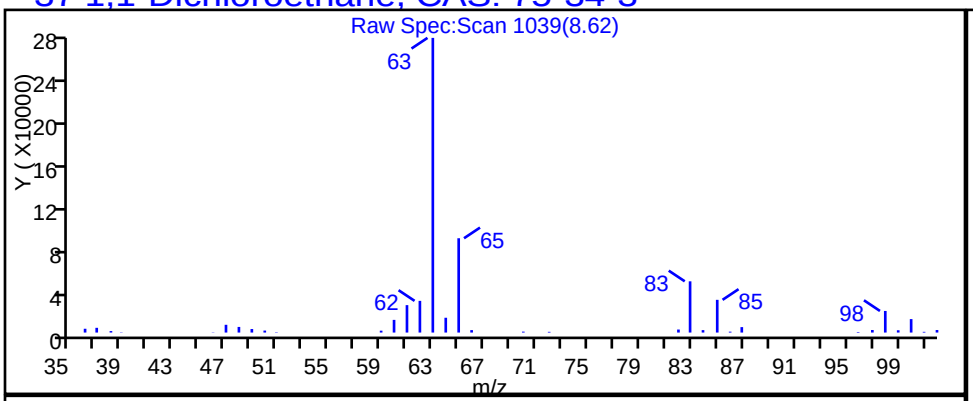
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

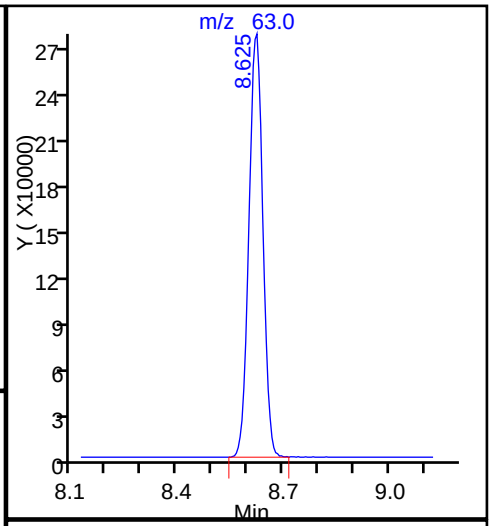
TestAmerica Burlington

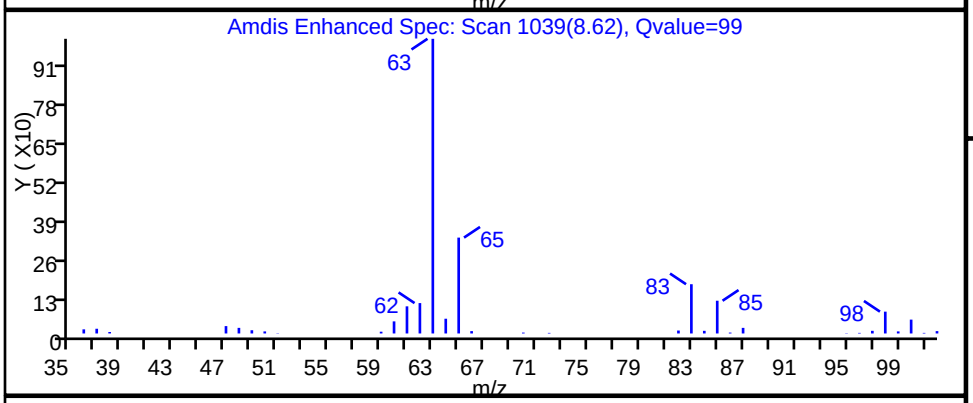
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

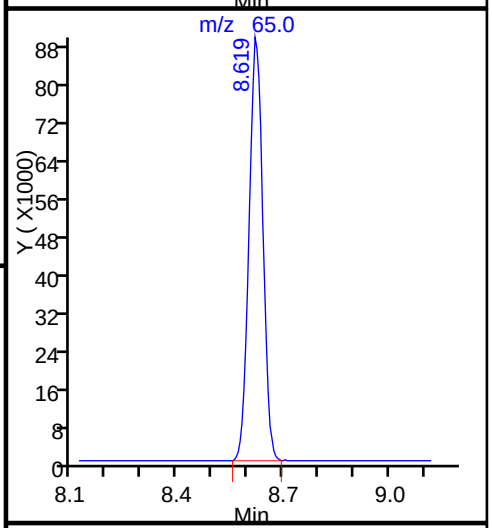
Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3		
Client ID:	GCTS POST CARBON				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

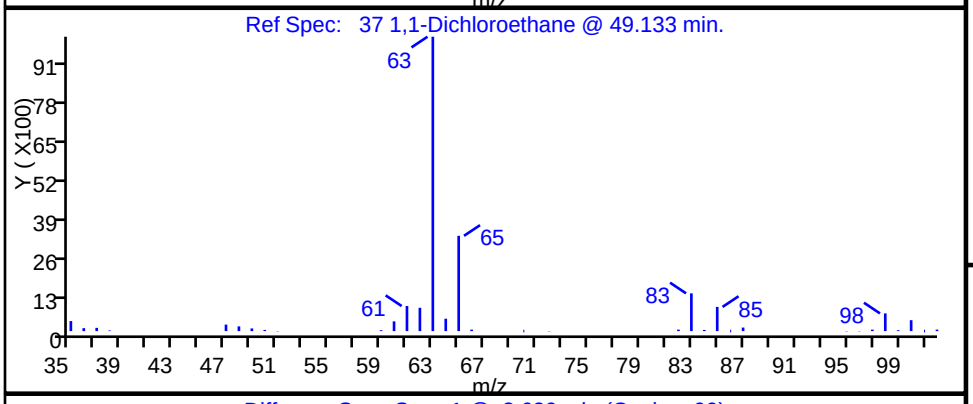
37 1,1-Dichloroethane, CAS: 75-34-3

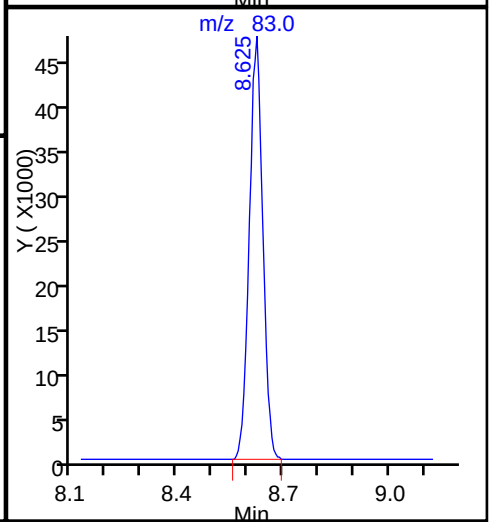


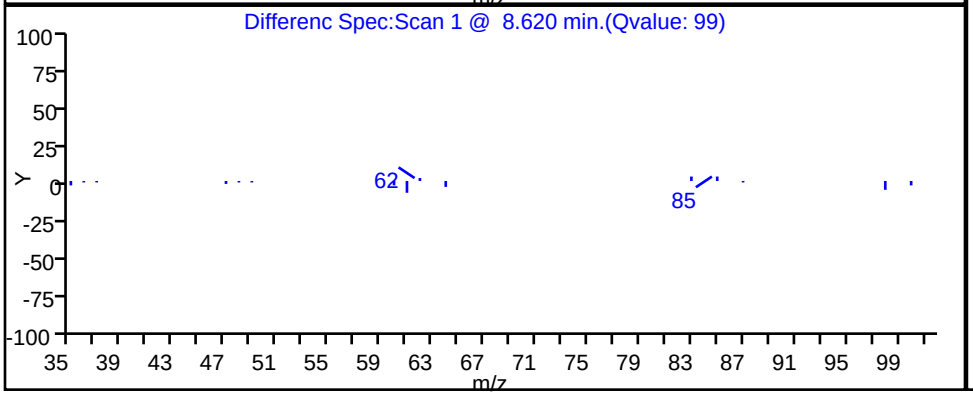












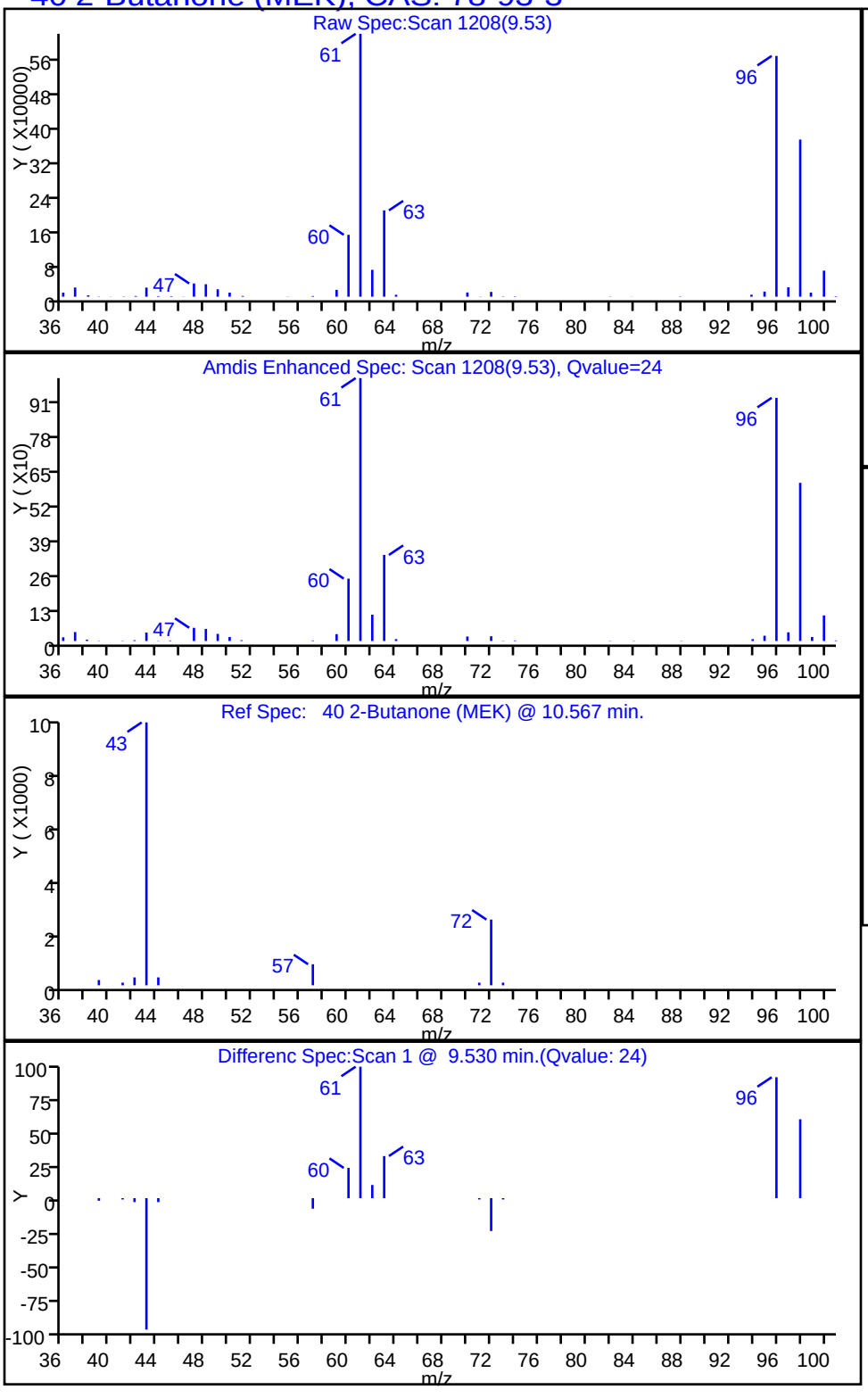
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

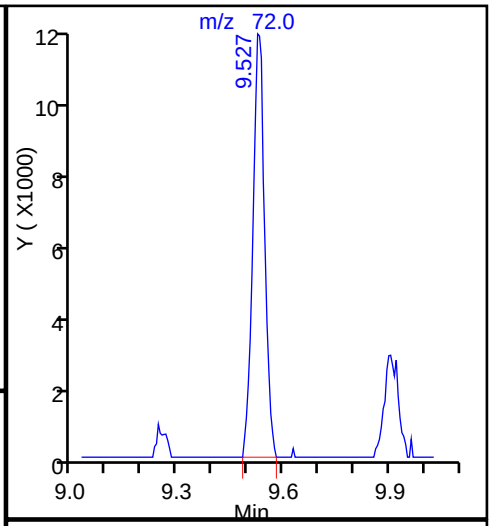
TestAmerica Burlington

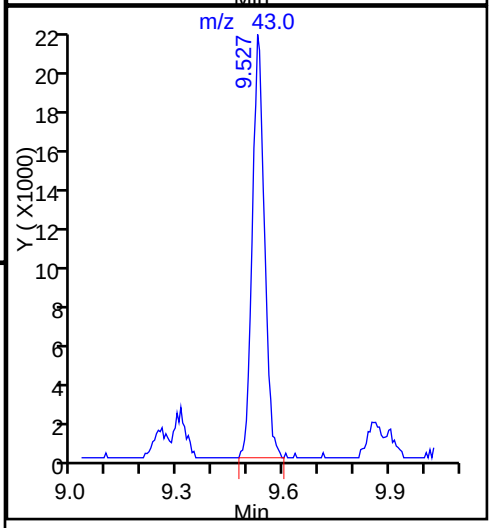
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3
Client ID:	GCTS POST CARBON		
Operator ID:	pad	ALS Bottle#:	6 Worklist Smp#: 7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

40 2-Butanone (MEK), CAS: 78-93-3





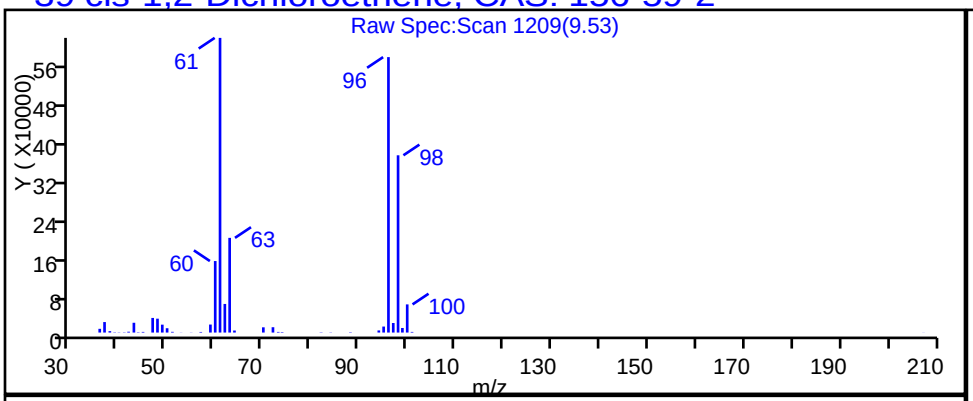


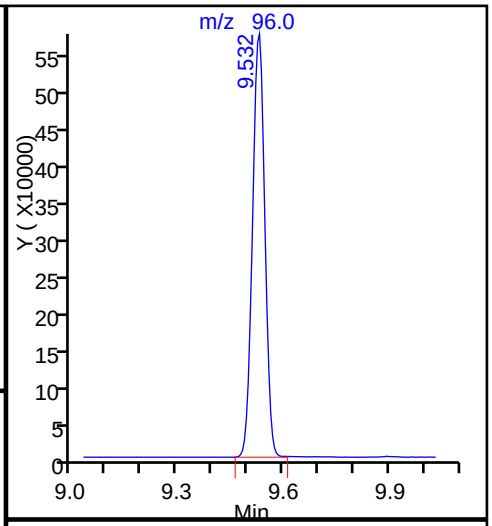
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

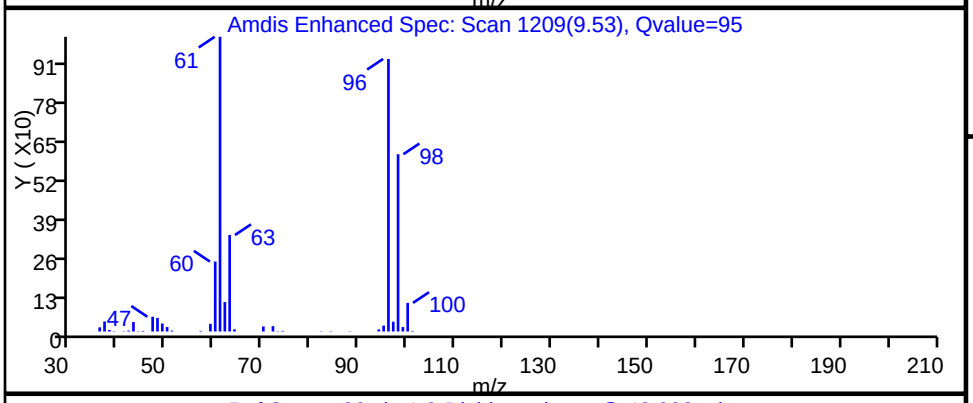
TestAmerica Burlington

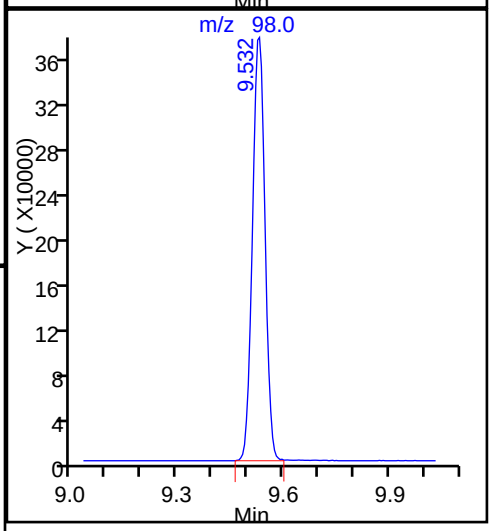
Data File:	\\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D				
Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3		
Client ID:	GCTS POST CARBON				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

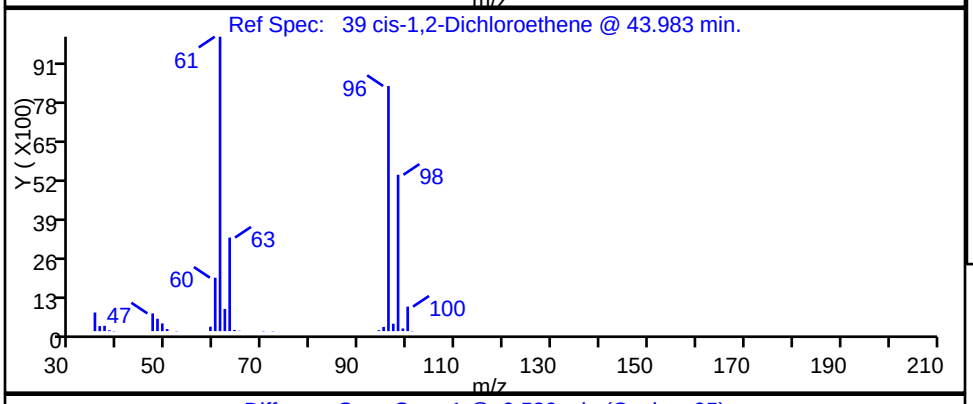
39 cis-1,2-Dichloroethene, CAS: 156-59-2

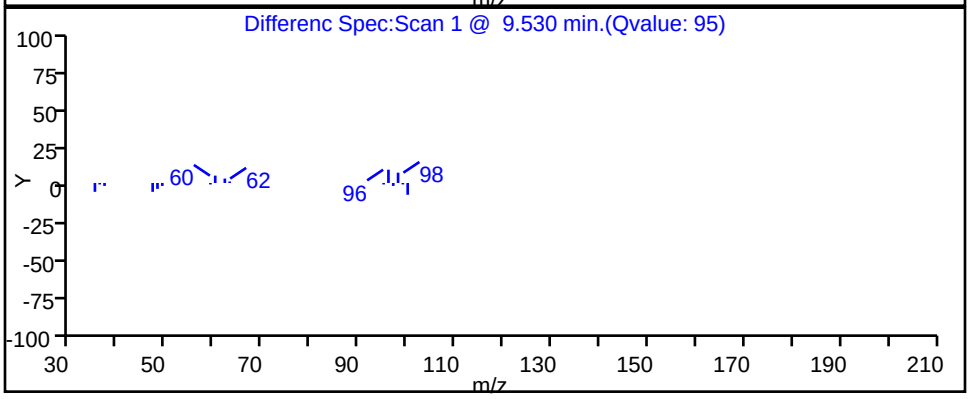












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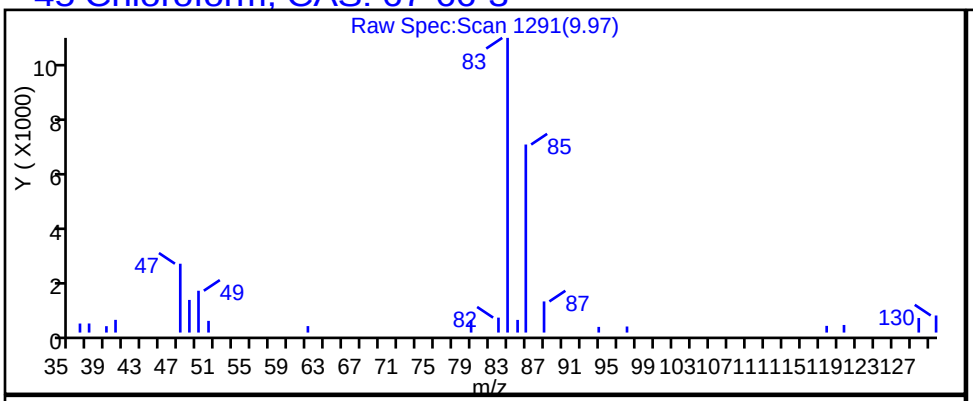
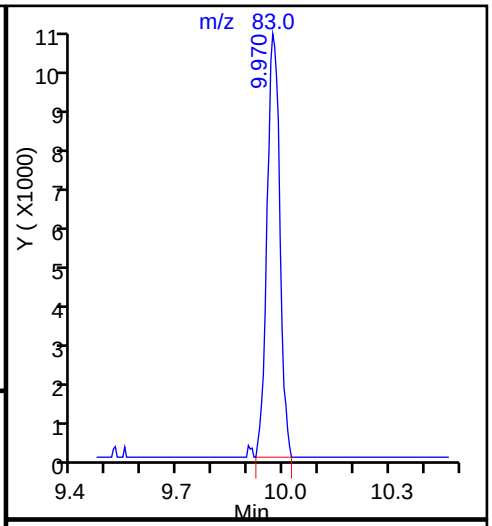
TestAmerica Burlington

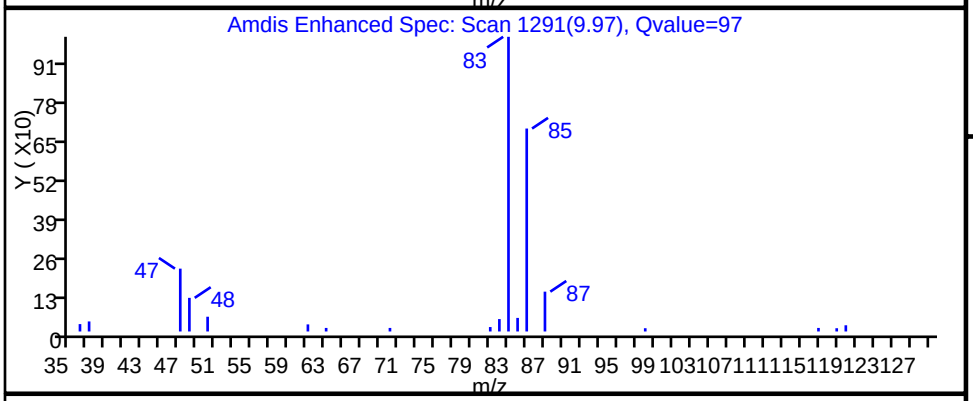
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

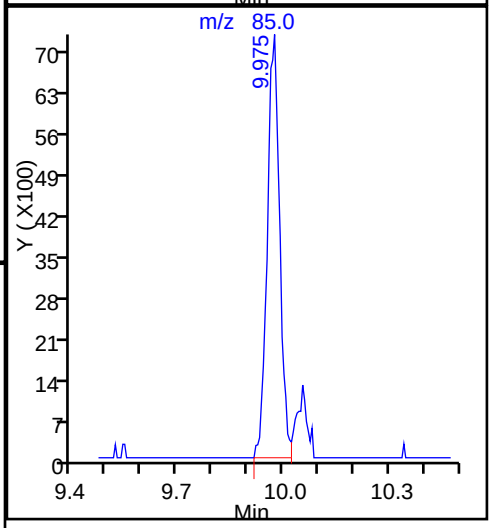
Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3		
Client ID:	GCTS POST CARBON				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

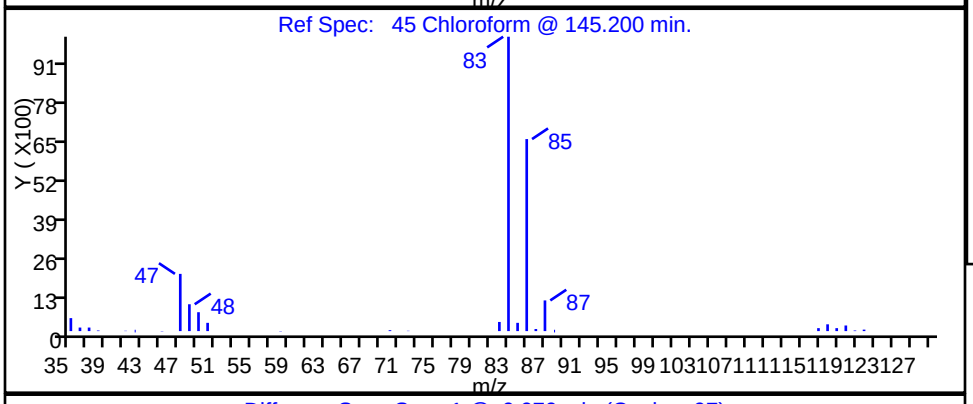
45 Chloroform, CAS: 67-66-3

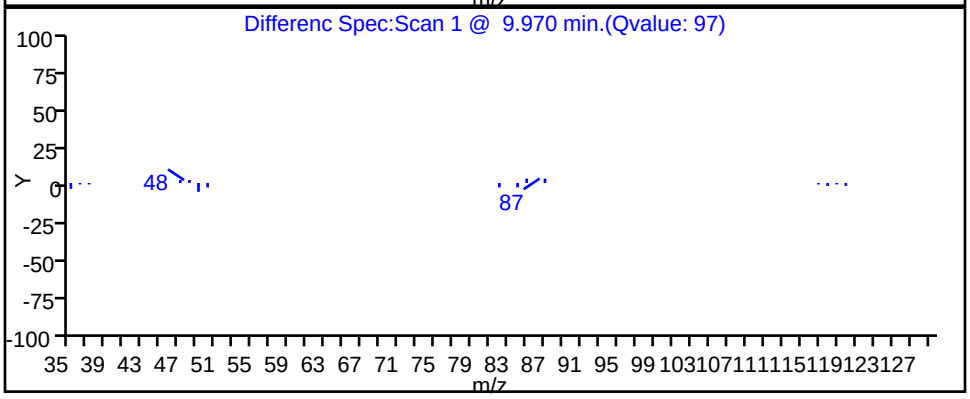












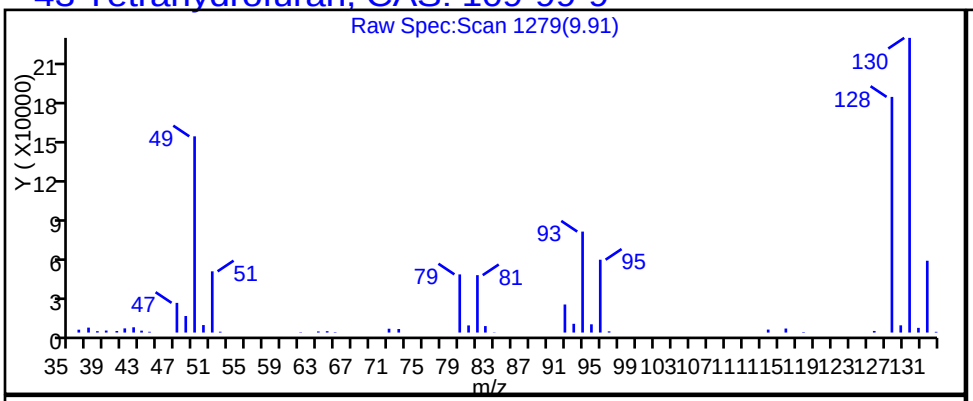
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

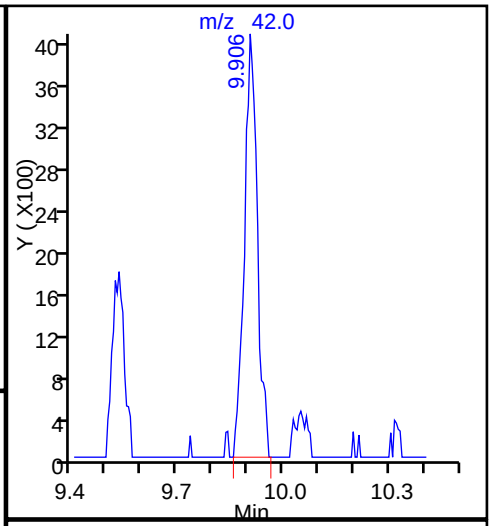
TestAmerica Burlington

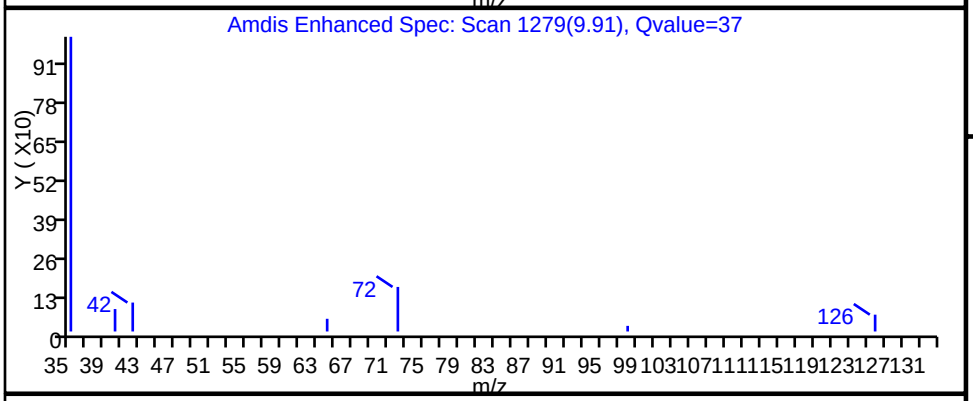
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

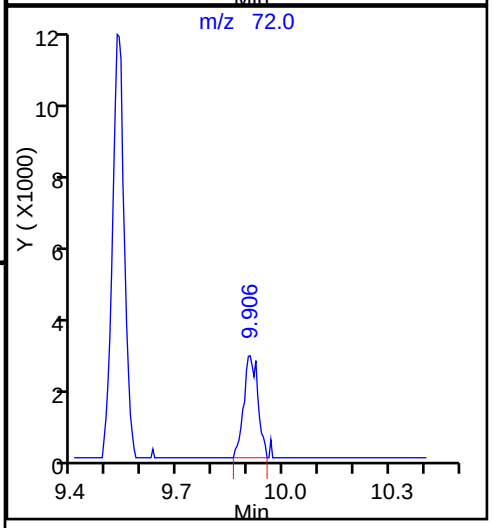
Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3
Client ID:	GCTS POST CARBON		
Operator ID:	pad	ALS Bottle#:	6 Worklist Smp#: 7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

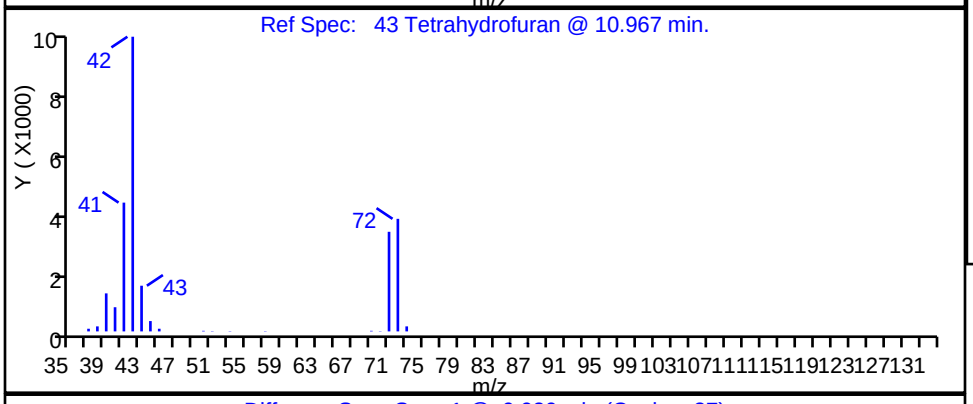
43 Tetrahydrofuran, CAS: 109-99-9

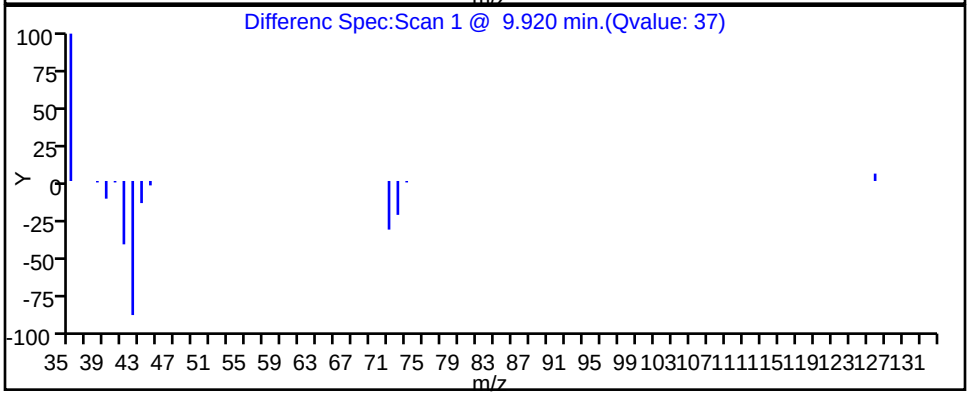












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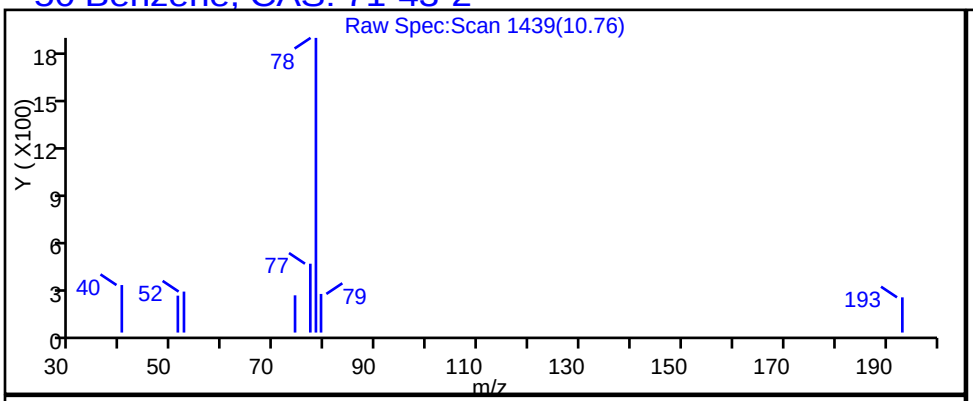
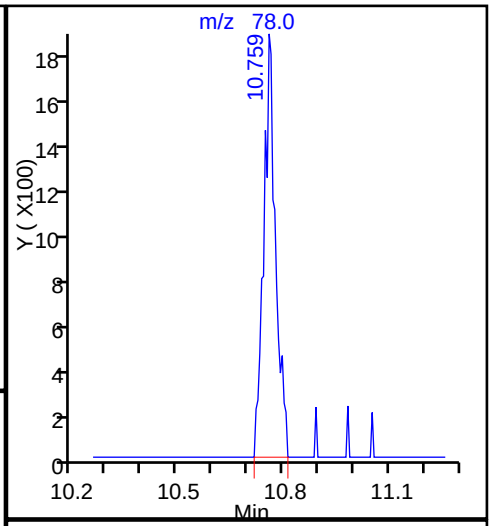
TestAmerica Burlington

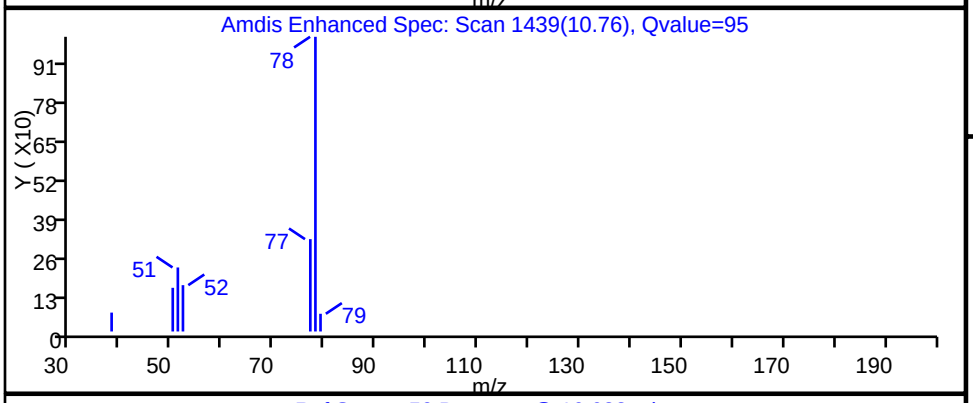
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

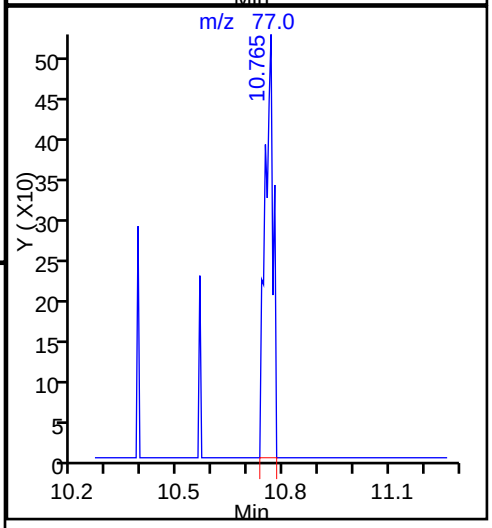
Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3		
Client ID:	GCTS POST CARBON				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

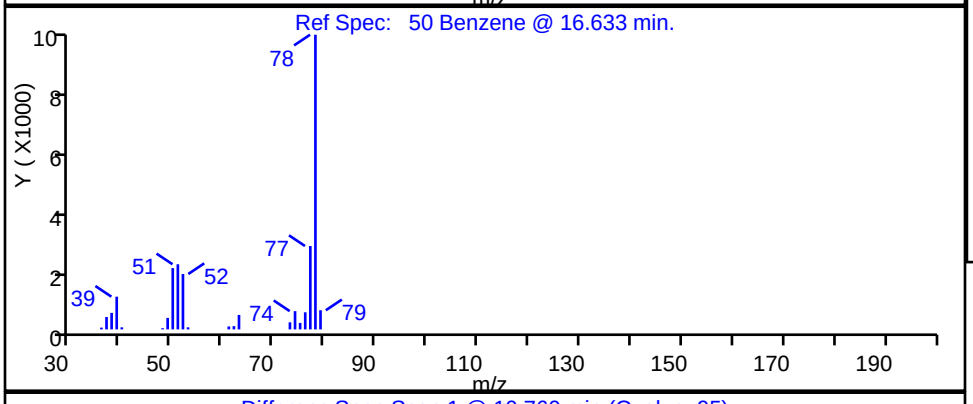
50 Benzene, CAS: 71-43-2

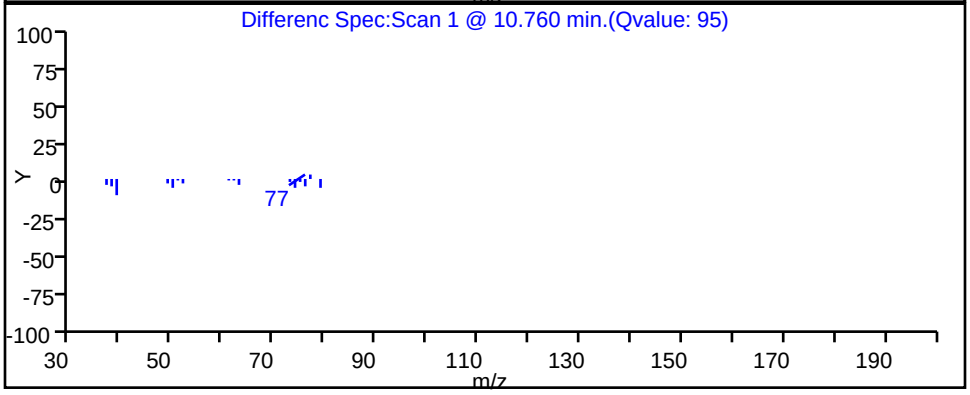












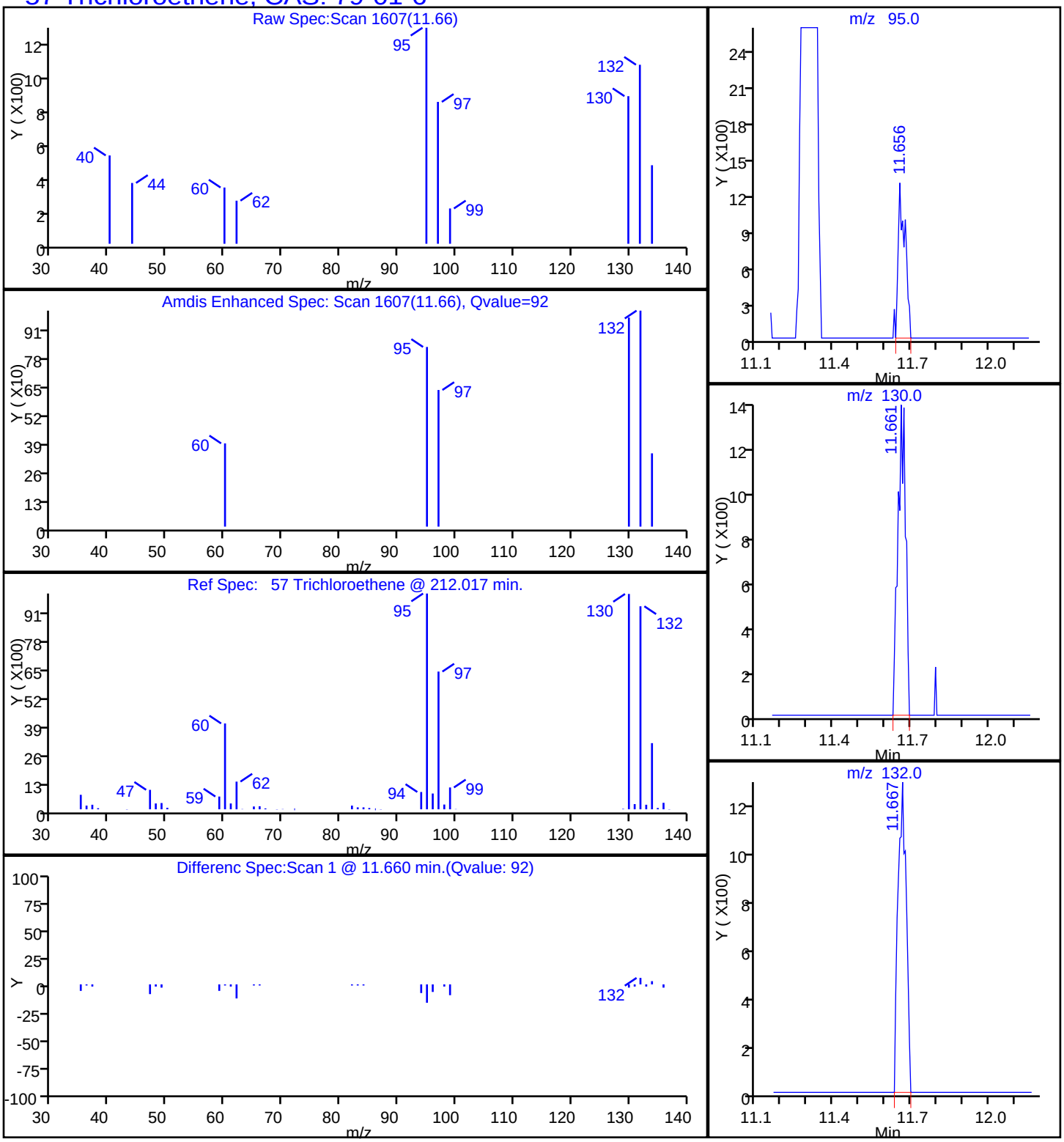
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3		
Client ID:	GCTS POST CARBON				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

57 Trichloroethene, CAS: 79-01-6

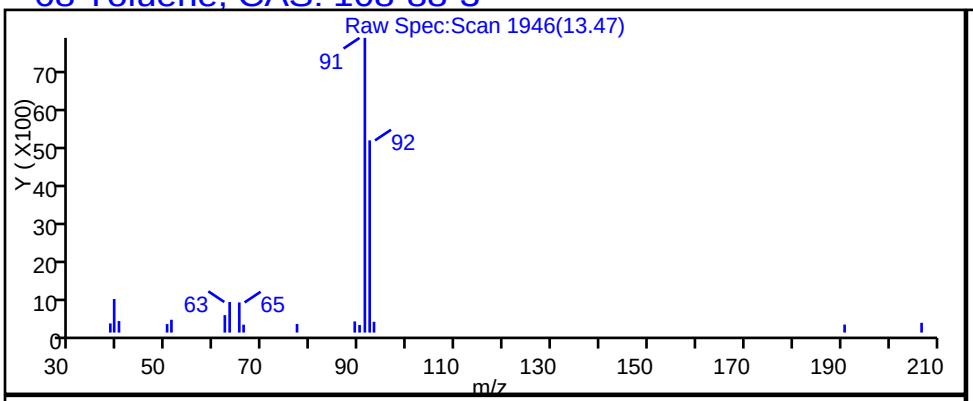


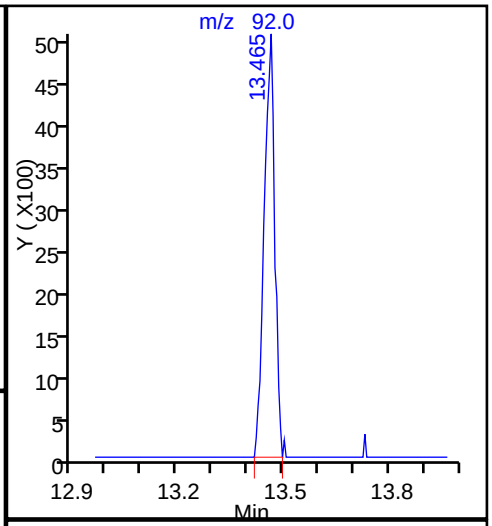
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

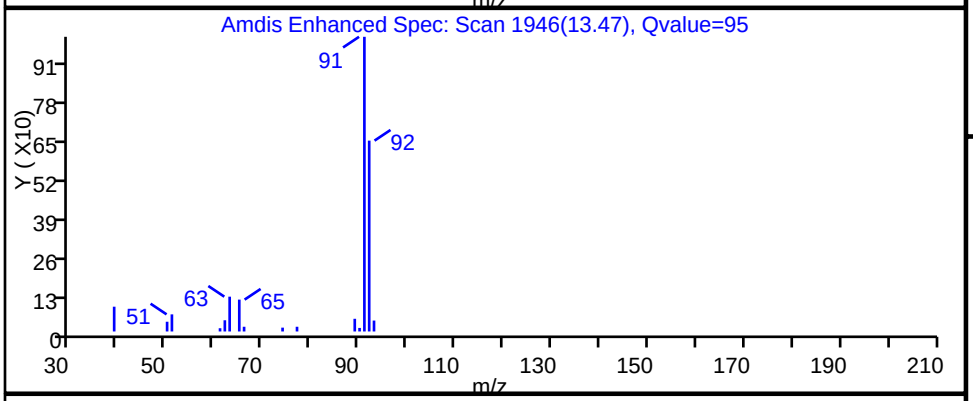
TestAmerica Burlington

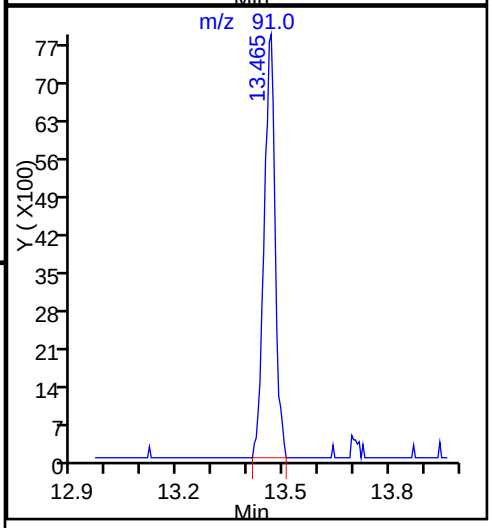
Data File:	\\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D				
Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3		
Client ID:	GCTS POST CARBON				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

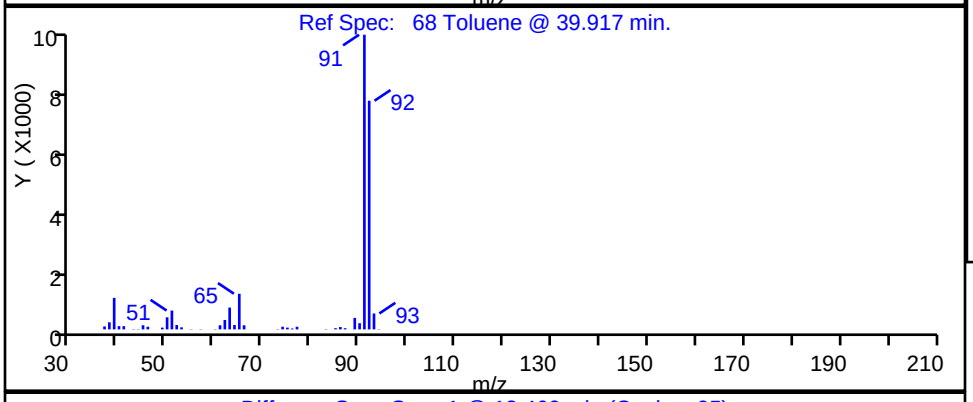
68 Toluene, CAS: 108-88-3

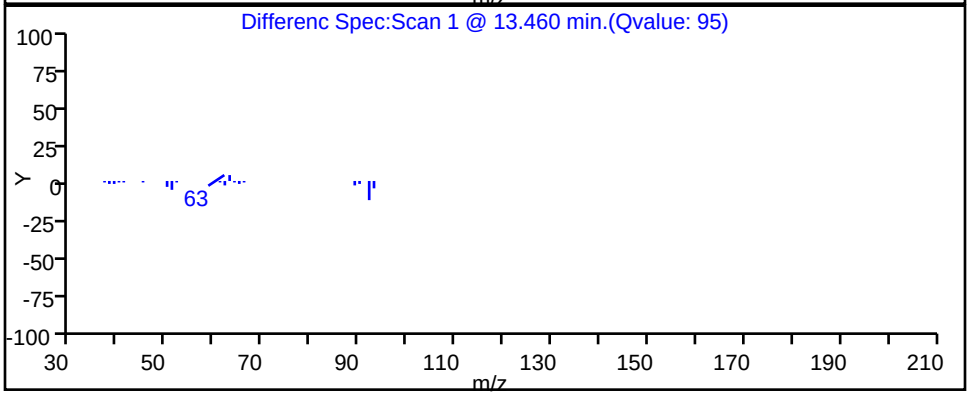












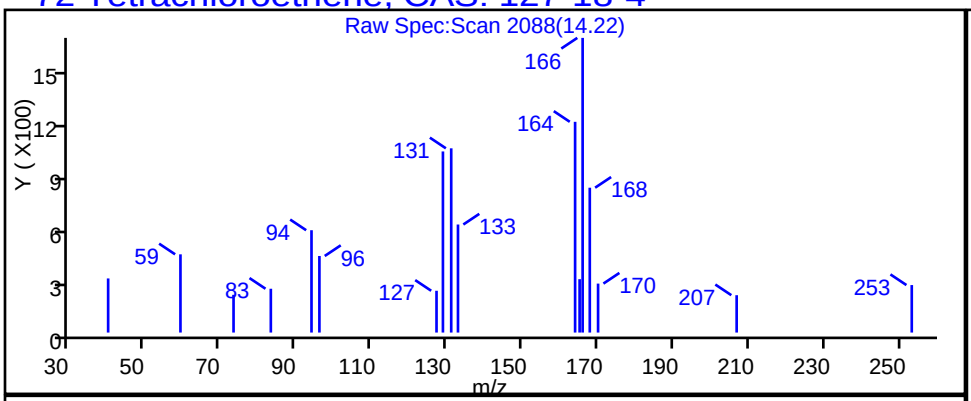
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

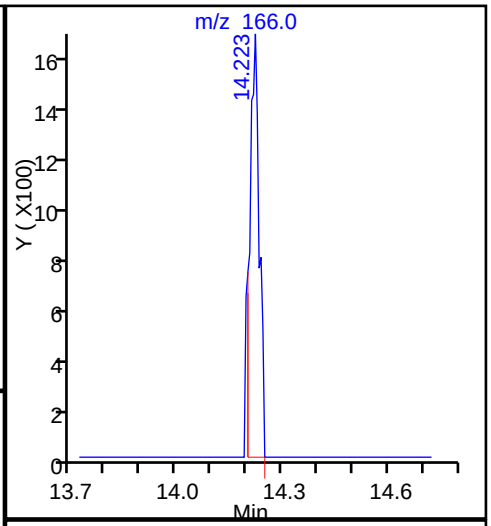
TestAmerica Burlington

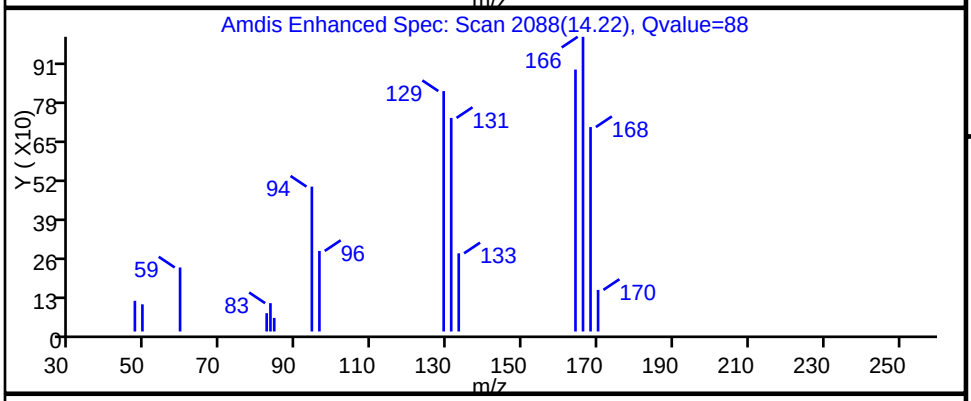
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

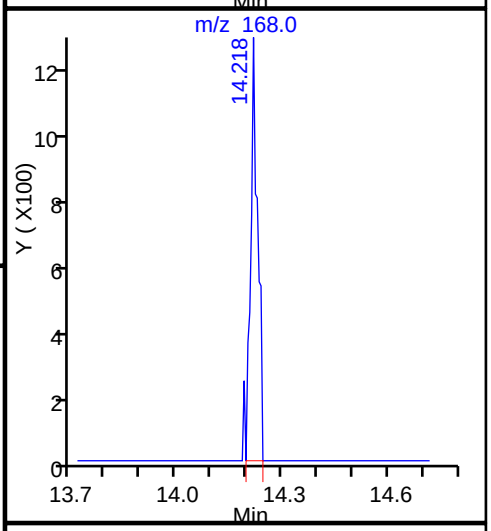
Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3
Client ID:	GCTS POST CARBON		
Operator ID:	pad	ALS Bottle#:	6 Worklist Smp#: 7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

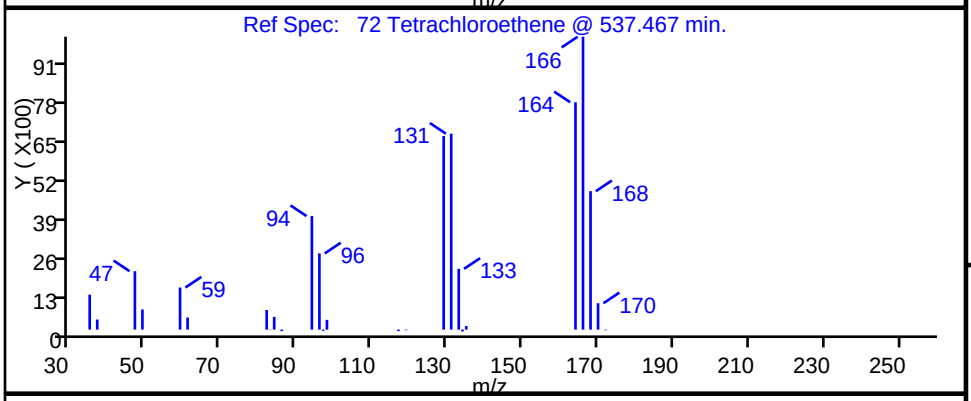
72 Tetrachloroethene, CAS: 127-18-4

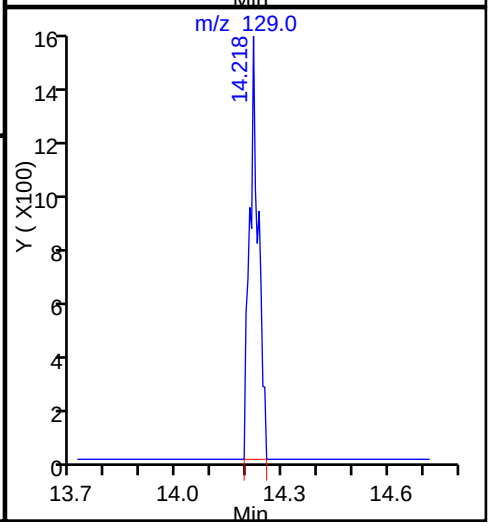


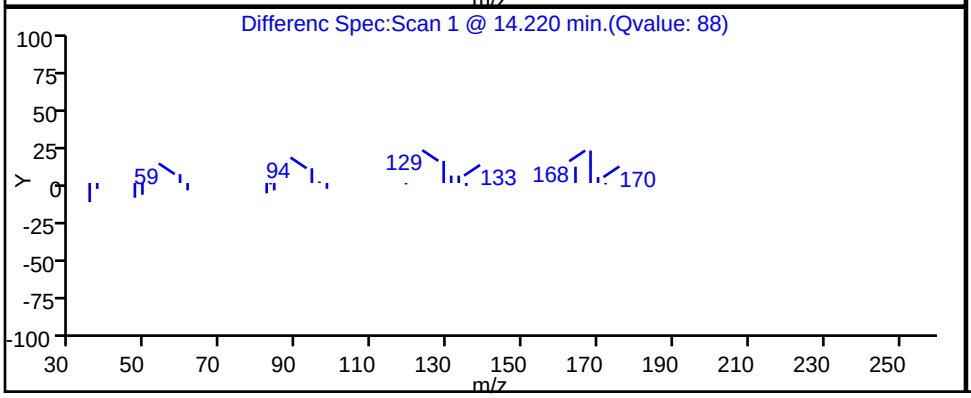










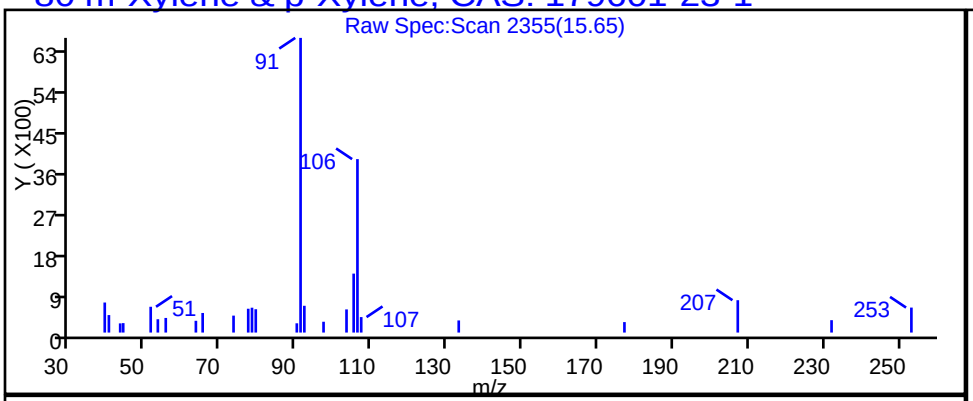


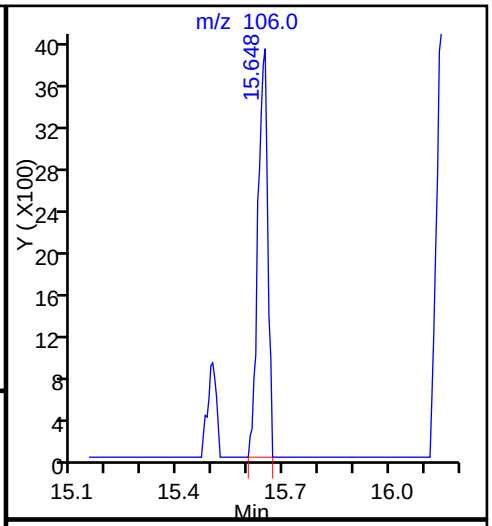
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

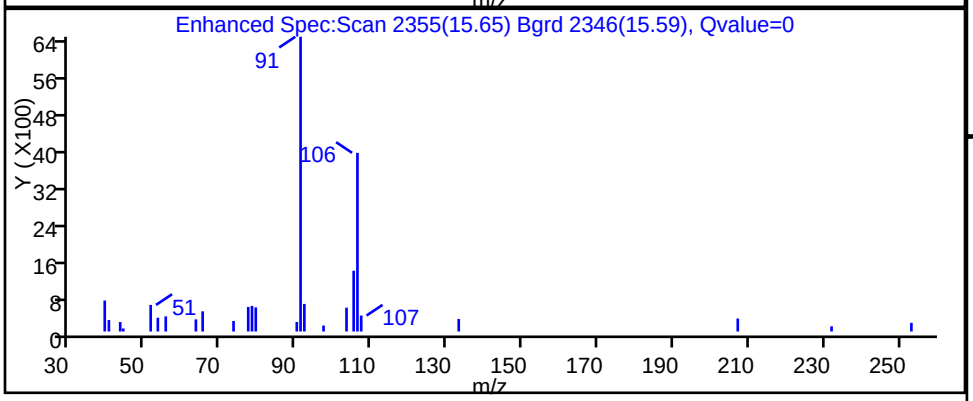
TestAmerica Burlington

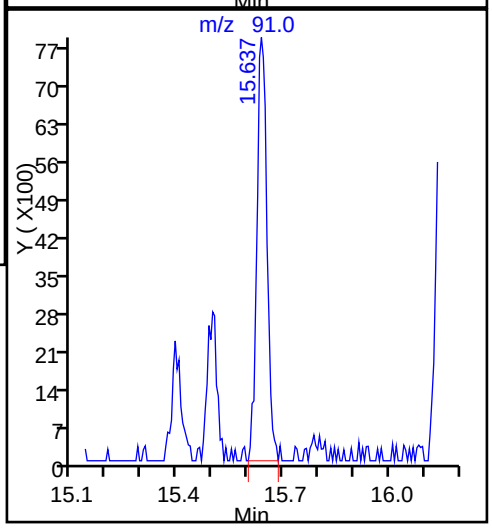
Data File:	\\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D				
Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3		
Client ID:	GCTS POST CARBON				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1









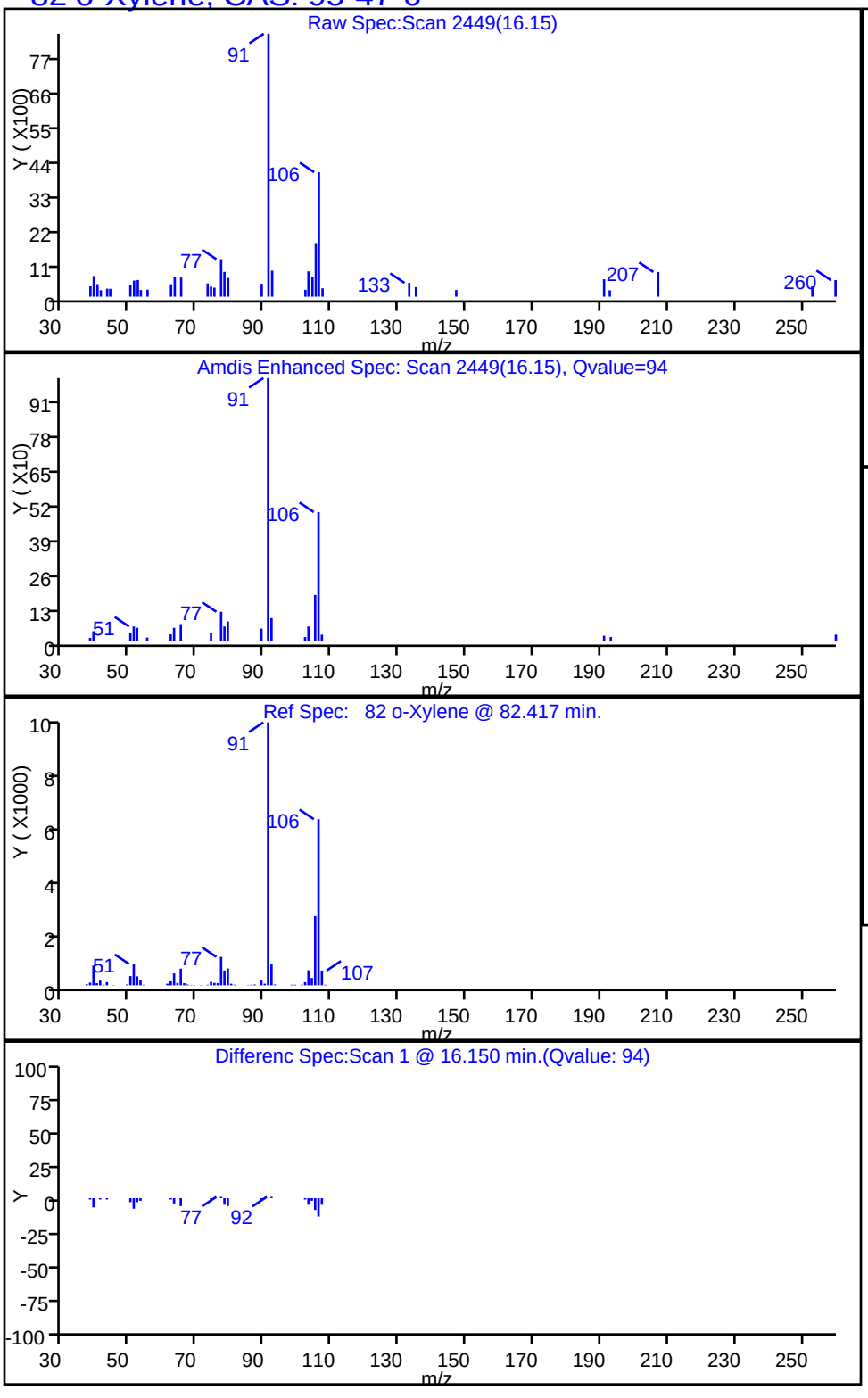
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

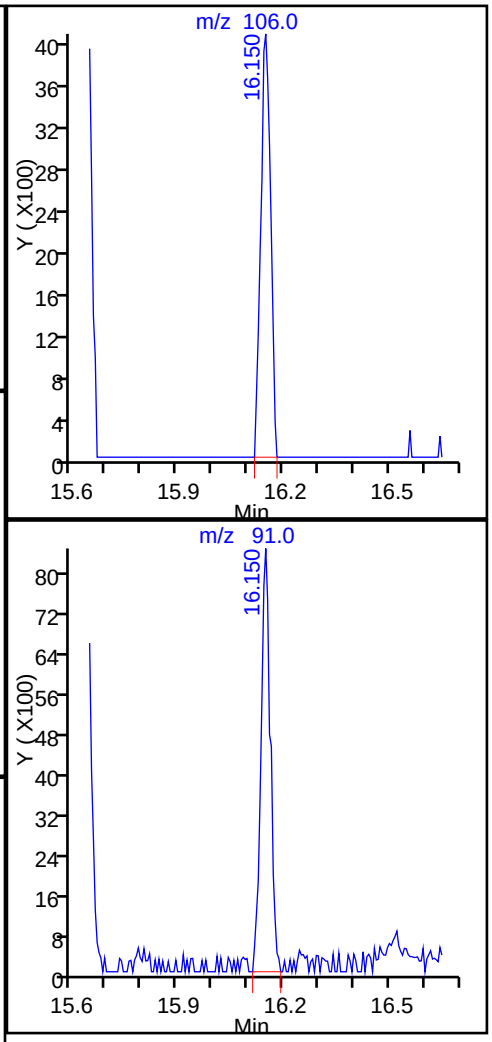
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i		
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3		
Client ID:	GCTS POST CARBON				
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

82 o-Xylene, CAS: 95-47-6





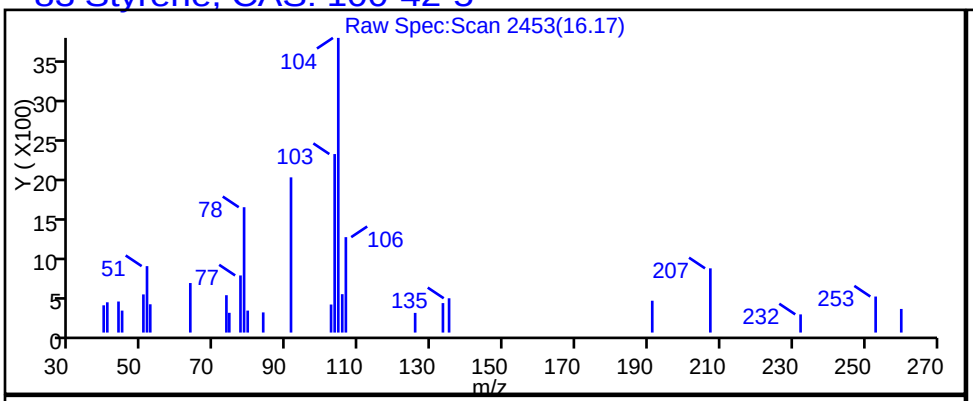
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

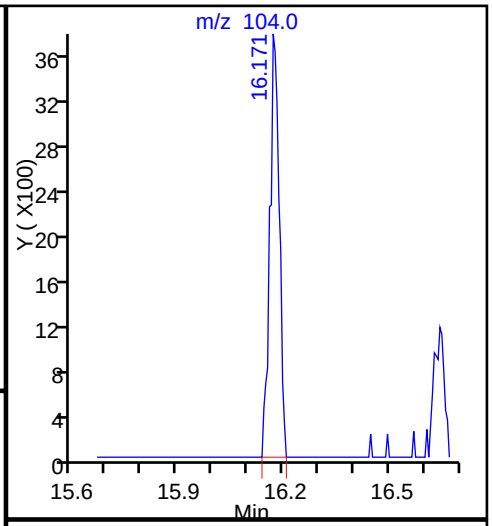
TestAmerica Burlington

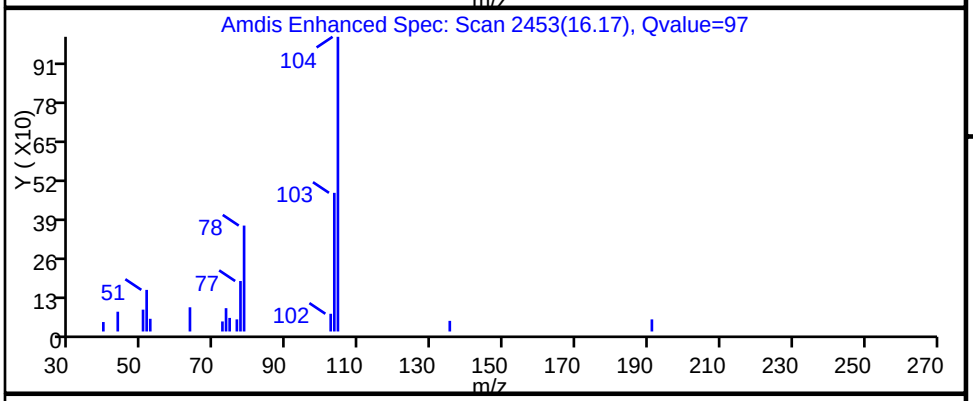
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

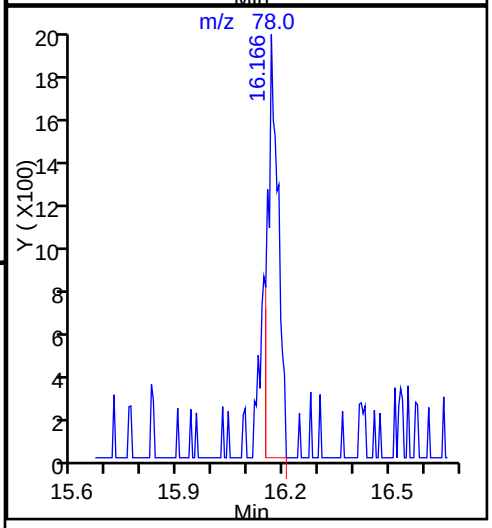
Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3
Client ID:	GCTS POST CARBON		
Operator ID:	pad	ALS Bottle#:	6 Worklist Smp#: 7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

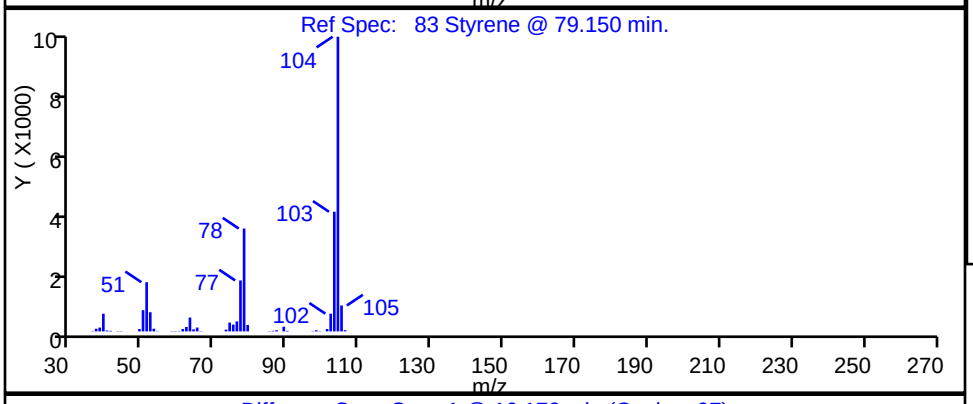
83 Styrene, CAS: 100-42-5

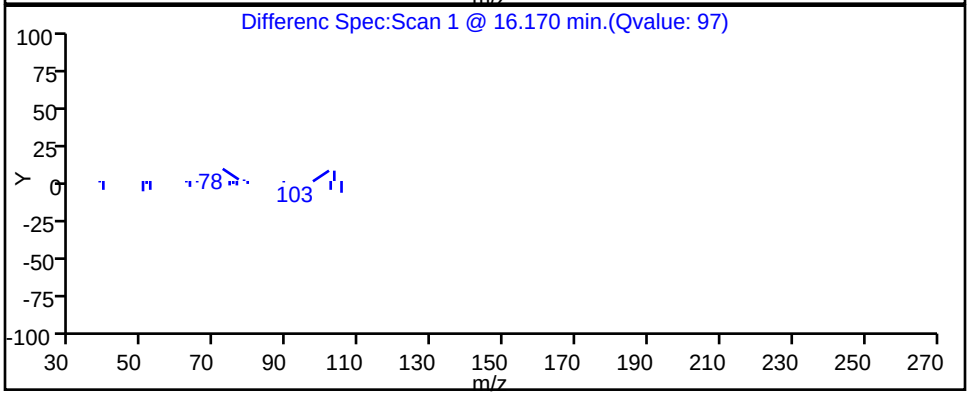












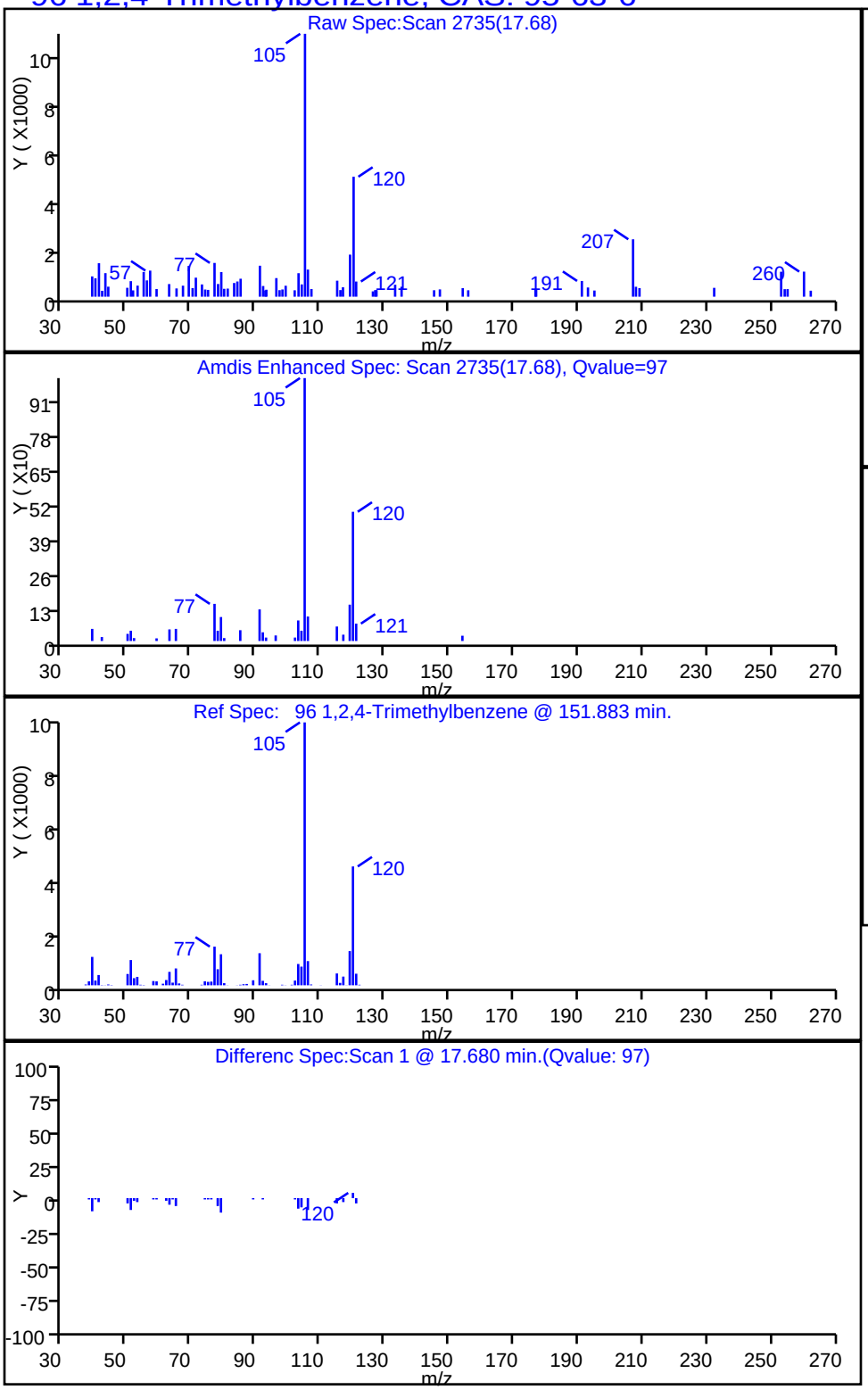
Report Date: 15-Oct-2014 11:36:24 Chrom Revision: 2.2 07-Oct-2014 12:16:06

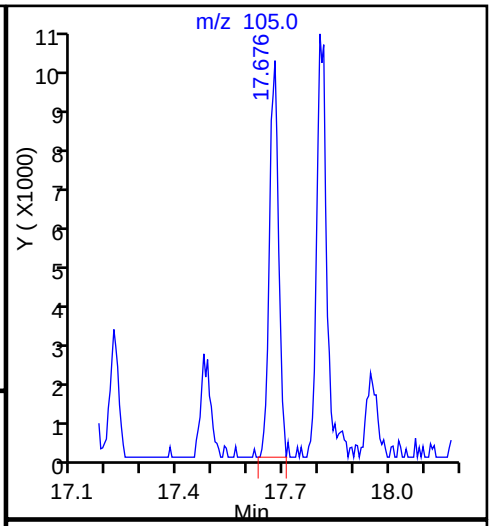
TestAmerica Burlington

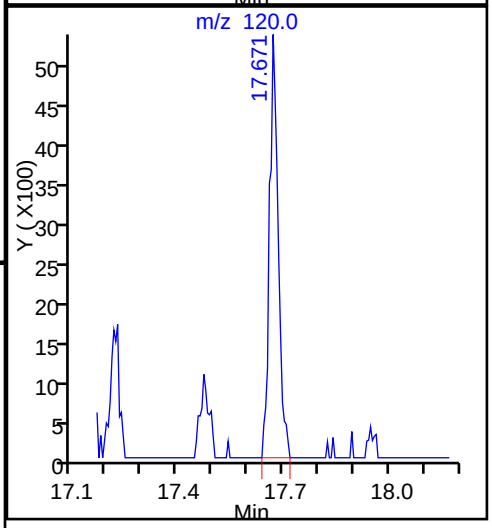
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_007.D

Injection Date:	14-Oct-2014 15:28:30	Instrument ID:	CHB.i
Lims ID:	200-24717-A-3	Lab Sample ID:	200-24717-3
Client ID:	GCTS POST CARBON		
Operator ID:	pad	ALS Bottle#:	6 Worklist Smp#: 7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

96 1,2,4-Trimethylbenzene, CAS: 95-63-6







FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24716-1 Analy Batch No.: 77543

SDG No.: 200-24716

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2014 23:57 Calibration End Date: 09/22/2014 06:01 Calibration ID: 28016

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-77543/7	9579_007.D
Level 2	IC 200-77543/8	9579_008.D
Level 3	IC 200-77543/9	9579_009.D
Level 4	IC 200-77543/10	9579_010.D
Level 5	ICIS 200-77543/11	9579_011.D
Level 6	IC 200-77543/12	9579_012.D
Level 7	IC 200-77543/13	9579_013.D
Level 8	IC 200-77543/14	9579_014.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.4561	+++++ 0.4464	0.4725 0.4281	0.4490	0.4327	Ave		0.4475				3.6		30.0			
Freon 12	+++++ 2.9572	+++++ 2.8996	2.9255 2.7295	3.0316	2.8607	Ave		2.9007				3.5		30.0			
Freon 22	+++++ 1.2086	+++++ 1.1834	1.1572 1.1250	1.2221	1.1519	Ave		1.1747				3.1		30.0			
Freon-114	+++++ 2.1960	2.0412 2.1838	2.1187 2.0924	2.1681	2.0997	Ave		2.1286				2.6		30.0			
Chloromethane	+++++ 0.4584	+++++ 0.4486	0.4472 0.4388	0.4488	0.4302	Ave		0.4453				2.2		30.0			
n-Butane	+++++ 0.7604	+++++ 0.7518	0.7289 0.7367	0.7579	0.7253	Ave		0.7435				2.0		30.0			
Vinyl chloride	0.7219 0.6406	0.5703 0.6344	0.6191 0.6134	0.6295	0.6078	Ave		0.6296				6.9		30.0			
1,3-Butadiene	+++++ 0.4398	0.3971 0.4356	0.4024 0.4236	0.4365	0.4093	Ave		0.4206				4.2		30.0			
Bromomethane	+++++ 0.8623	0.8338 0.8538	0.8854 0.8045	0.8658	0.8195	Ave		0.8464				3.4		30.0			
Chloroethane	+++++ 0.3777	+++++ 0.3808	0.3896 0.3663	0.3791	0.3619	Ave		0.3759				2.7		30.0			
Isopentane	+++++ 0.5974	0.6278 0.5904	0.5921 0.5790	0.5750	0.5494	Ave		0.5873				4.1		30.0			
Vinyl bromide	+++++ 1.0051	0.9649 0.9948	0.9900 0.9456	1.0066	0.9671	Ave		0.9820				2.4		30.0			
Freon 11	+++++ 3.3917	3.2863 3.3549	3.4648 3.1548	3.5129	3.3192	Ave		3.3549				3.5		30.0			
n-Pentane	+++++ 0.8919	+++++ 0.8816	0.9278 0.8603	0.8844	0.8400	Ave		0.8810				3.4		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24716-1 Analy Batch No.: 77543

SDG No.: 200-24716

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2014 23:57 Calibration End Date: 09/22/2014 06:01 Calibration ID: 28016

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.1837	+++++ 0.1802	0.1716 0.1776	0.1739	0.2243	Ave		0.1852				11.0		30.0			
Ethyl ether	+++++ 0.4847	0.4373 0.4925	0.4465 0.4800	0.4772	0.4622	Ave		0.4686				4.4		30.0			
Acrolein	+++++ 0.1773	+++++ 0.1841	+++++ 0.1880	0.1820	0.1772	Ave		0.1817				2.5		30.0			
Freon 113	+++++ 2.0478	1.8833 2.0509	2.0750 1.9282	2.1169	1.9860	Ave		2.0126				4.2		30.0			
1,1-Dichloroethene	+++++ 0.9384	0.8224 0.9360	0.9171 0.8966	0.9358	0.8854	Ave		0.9045				4.6		30.0			
Acetone	+++++ 1.2732	+++++ 1.2356	+++++ 1.1193	1.2621	1.1372	Ave		1.2055				6.0		30.0			
Isopropyl alcohol	+++++ 0.8917	+++++ 0.8051	+++++ 0.8606	0.8566	0.7092	Ave		0.8246				8.7		30.0			
Carbon disulfide	+++++ 2.1124	+++++ 2.1458	2.0951 2.0262	2.1045	1.9826	Ave		2.0778				2.9		30.0			
Allyl chloride	+++++ 0.6708	0.5618 0.6837	0.5868 0.6703	0.6464	0.6188	Ave		0.6341				7.3		30.0			
Acetonitrile	+++++ 0.3320	+++++ 0.3227	+++++ 0.3219	0.3287	0.2931	Ave		0.3197				4.8		30.0			
Methylene Chloride	+++++ 0.6897	+++++ 0.6907	0.8003 0.6661	0.6969	0.6546	Ave		0.6997				7.4		30.0			
tert-Butyl alcohol	+++++ 1.8171	+++++ 1.6915	+++++ 1.7692	1.7799	1.5374	Ave		1.7190				6.5		30.0			
Methyl tert-butyl ether	+++++ 2.9619	2.2821 2.9804	2.6076 2.9016	2.8758	2.7687	Ave		2.7683				9.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.1615	0.9753 1.1599	1.0770 1.1316	1.1401	1.0753	Ave		1.1030				6.0		30.0			
Acrylonitrile	+++++ 0.4052	+++++ 0.4069	0.3355 0.4059	0.3858	0.3679	Ave		0.3845				7.4		30.0			
Hexane	+++++ 0.9891	0.7764 0.9902	0.9378 0.9699	0.9417	0.9144	Ave		0.9314				7.9		30.0			
1,1-Dichloroethane	1.3445 1.4591	1.2679 1.4408	1.3820 1.3824	1.4347	1.3656	Ave		1.3846				4.5		30.0			
Vinyl acetate	+++++ 1.5328	+++++ 1.5359	+++++ 1.4995	1.4166	1.3965	Ave		1.4763				4.4		30.0			
Methyl Ethyl Ketone	+++++ 0.4373	+++++ 0.4155	0.5981 0.3996	0.4106	0.3950	Ave		0.4427				18.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.0468	0.8707 1.0354	0.9694 0.9790	1.0343	0.9893	Ave		0.9893				6.1		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24716-1 Analy Batch No.: 77543

SDG No.: 200-24716

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2014 23:57 Calibration End Date: 09/22/2014 06:01 Calibration ID: 28016

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0830	+++++ 0.0812	+++++ 0.0787	0.0812	0.0778	Ave		0.0804				2.6		30.0			
Tetrahydrofuran	+++++ 0.1177	+++++ 0.1160	+++++ 0.1156	0.1147	0.1063	Ave		0.1140				3.9		30.0			
Chloroform	+++++ 2.3094	2.1250 2.2814	2.1868 2.1830	2.2912	2.1754	Ave		2.2217				3.2		30.0			
Cyclohexane	+++++ 0.2701	0.2190 0.2672	0.2424 0.2551	0.2672	0.2574	Ave		0.2540				7.1		30.0			
1,1,1-Trichloroethane	+++++ 0.5886	0.5044 0.5756	0.5711 0.5431	0.6006	0.5674	Ave		0.5644				5.7		30.0			
Carbon tetrachloride	0.6353 0.6547	0.5440 0.6402	0.6143 0.6027	0.6650	0.6310	Ave		0.6234				6.1		30.0			
2,2,4-Trimethylpentane	+++++ 0.6984	0.5008 0.7015	0.5848 0.6931	0.6744	0.6492	Ave		0.6432				12.0		30.0			
Benzene	+++++ 0.5528	0.5002 0.5493	0.5302 0.5401	0.5492	0.5268	Ave		0.5355				3.4		30.0			
1,2-Dichloroethane	+++++ 0.3379	0.3004 0.3308	0.3180 0.3186	0.3375	0.3219	Ave		0.3236				4.1		30.0			
Heptane	+++++ 0.2111	0.1456 0.2112	0.1796 0.2110	0.2045	0.1956	Ave		0.1941				13.0		30.0			
n-Butanol	+++++ 0.0822	+++++ 0.0744	+++++ 0.0805	0.0782	0.0599	Ave		0.0751				12.0		30.0			
Trichloroethene	0.2751 0.3103	0.2678 0.3040	0.2868 0.2912	0.3108	0.2933	Ave		0.2924				5.4		30.0			
1,2-Dichloropropane	+++++ 0.1709	0.1445 0.1692	0.1601 0.1633	0.1668	0.1597	Ave		0.1621				5.5		30.0			
Methyl methacrylate	+++++ 0.1908	+++++ 0.1885	0.1512 0.1825	0.1843	0.1778	Ave		0.1792				8.1		30.0			
1,4-Dioxane	+++++ 0.1052	+++++ 0.0895	+++++ 0.0976	0.1061	0.0806	Ave		0.0958				11.0		30.0			
Dibromomethane	+++++ 0.3077	0.2824 0.2995	0.3106 0.2750	0.3203	0.3015	Ave		0.2996				5.3		30.0			
Bromodichloromethane	+++++ 0.5545	0.4306 0.5454	0.4908 0.5227	0.5494	0.5249	Ave		0.5169				8.5		30.0			
cis-1,3-Dichloropropene	+++++ 0.3468	0.2371 0.3466	0.2765 0.3389	0.3303	0.3245	Ave		0.3144				13.0		30.0			
methyl isobutyl ketone	+++++ 0.3047	+++++ 0.2990	0.2161 0.3014	0.2869	0.2763	Ave		0.2807				12.0		30.0			
n-Octane	+++++ 0.2951	0.2293 0.2963	0.2537 0.2945	0.2888	0.2761	Ave		0.2763				9.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24716-1 Analy Batch No.: 77543

SDG No.: 200-24716

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2014 23:57 Calibration End Date: 09/22/2014 06:01 Calibration ID: 28016

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.5257	0.4437 0.5167	0.5000 0.5031	0.5329	0.5004	Ave		0.5032				5.8		30.0			
trans-1,3-Dichloropropene	+++++ 0.4016	0.2833 0.3984	0.3200 0.3894	0.3867	0.3765	Ave		0.3651				12.0		30.0			
1,1,2-Trichloroethane	+++++ 0.2384	0.2005 0.2335	0.2229 0.2242	0.2344	0.2257	Ave		0.2256				5.6		30.0			
Tetrachloroethene	0.5334 0.5362	0.4734 0.5192	0.5348 0.4705	0.5557	0.5274	Ave		0.5188				5.9		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3408	+++++ 0.3344	0.2632 0.3359	0.3267	0.3044	Ave		0.3176				9.3		30.0			
Dibromochloromethane	+++++ 0.7162	0.5470 0.6975	0.6148 0.6538	0.7121	0.6887	Ave		0.6614				9.3		30.0			
1,2-Dibromoethane	+++++ 0.5424	0.4220 0.5267	0.4794 0.5051	0.5325	0.5120	Ave		0.5029				8.2		30.0			
Chlorobenzene	+++++ 0.8239	0.7700 0.8103	0.8136 0.7772	0.8354	0.7870	Ave		0.8025				3.1		30.0			
n-Nonane	+++++ 0.3960	0.3319 0.3965	0.3670 0.3940	0.3939	0.3718	Ave		0.3787				6.3		30.0			
Ethylbenzene	+++++ 1.2534	1.1831 1.2293	1.2272 1.1849	1.2730	1.1941	Ave		1.2207				2.9		30.0			
m,p-Xylene	+++++ 0.5167	0.5226 0.5100	0.5141 0.4858	0.5299	0.4961	Ave		0.5107				3.0		30.0			
Xylene, o-	+++++ 0.5156	0.4774 0.5025	0.4956 0.4773	0.5334	0.4946	Ave		0.4995				4.0		30.0			
Styrene	+++++ 0.7940	0.7992 0.7818	0.6517 0.7602	0.7955	0.7524	Ave		0.7621				6.8		30.0			
Bromoform	+++++ 0.6786	0.5449 0.6555	0.6227 0.5871	0.7104	0.6675	Ave		0.6381				8.9		30.0			
Cumene	+++++ 1.6616	1.3313 1.6328	1.5065 1.4102	1.6502	1.5684	Ave		1.5373				8.3		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6394	0.5409 0.6268	0.6258 0.5935	0.6435	0.6038	Ave		0.6105				5.8		30.0			
n-Propylbenzene	+++++ 1.8528	1.6604 1.8133	1.6985 1.4085	1.8553	1.7461	Ave		1.7193				9.1		30.0			
1,2,3-Trichloropropane	+++++ 0.5478	+++++ 0.5318	0.5554 0.4969	0.5600	0.5189	Ave		0.5351				4.5		30.0			
n-Decane	+++++ 0.5482	+++++ 0.5296	0.4871 0.4869	0.5399	0.5095	Ave		0.5169				5.1		30.0			
4-Ethyltoluene	+++++ 1.6773	1.6314 1.6562	1.5668 1.3541	1.6953	1.5881	Ave		1.5956				7.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24716-1 Analy Batch No.: 77543

SDG No.: 200-24716

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2014 23:57 Calibration End Date: 09/22/2014 06:01 Calibration ID: 28016

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.3120	1.2882 1.2966	1.2658 1.2175	1.3411	1.2331	Ave		1.2792				3.4		30.0			
1,3,5-Trimethylbenzene	+++++ 1.4428	1.1445 1.3969	1.3639 1.2250	1.4495	1.3670	Ave		1.3414				8.5		30.0			
Alpha Methyl Styrene	+++++ 0.7189	0.6353 0.6796	0.2898 0.6093	0.7163	0.6745	Ave		0.6177				24.0		30.0			
tert-Butylbenzene	+++++ 1.3992	1.2215 1.3575	1.3603 1.1872	1.4490	1.3380	Ave		1.3304				7.1		30.0			
1,2,4-Trimethylbenzene	+++++ 1.4413	1.3131 1.3961	1.3770 1.2137	1.4601	1.3584	Ave		1.3657				6.1		30.0			
sec-Butylbenzene	+++++ 1.9899	1.7705 1.9008	1.9319 1.5298	2.0249	1.8941	Ave		1.8631				9.0		30.0			
4-Isopropyltoluene	+++++ 1.7938	1.5129 1.6369	1.7206 1.4137	1.8377	1.7141	Ave		1.6614				9.2		30.0			
1,3-Dichlorobenzene	+++++ 1.0044	1.3791 0.9674	1.0545 0.8126	1.0260	0.9578	Ave		1.0288				17.0		30.0			
1,4-Dichlorobenzene	+++++ 1.0186	1.3105 0.9728	1.0372 0.8149	1.0367	0.9716	Ave		1.0232				14.0		30.0			
Benzyl chloride	+++++ 1.0892	0.9723 1.0374	0.9267 0.9538	1.0193	0.9925	Ave		0.9987				5.5		30.0			
n-Undecane	+++++ 0.5442	+++++ 0.5705	+++++ 0.5722	0.6191	0.5320	Ave		0.5676				5.9		30.0			
n-Butylbenzene	+++++ 1.4430	1.3260 1.2730	1.4295 1.2766	1.4949	1.3839	Ave		1.3753				6.3		30.0			
1,2-Dichlorobenzene	+++++ 0.9623	1.1843 0.8888	1.0041 0.7789	0.9969	0.9233	Ave		0.9626				13.0		30.0			
n-Dodecane	+++++ 0.6068	+++++ 0.6278	+++++ 0.5640	0.5900	0.5232	Ave		0.5824				7.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7341	+++++ 0.7813	0.8031 0.6348	0.8113	0.6578	Ave		0.7371				10.0		30.0			
Hexachloro-1,3-butadiene	+++++ 0.5584	0.6093 0.5622	0.6853 0.4756	0.6351	0.5372	Ave		0.5804				12.0		30.0			
Naphthalene	+++++ 1.6654	+++++ 1.8979	1.5322 1.4976	1.7784	1.4109	Ave		1.6304				11.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.7129	0.6927 0.7485	0.7875 0.5952	0.7341	0.6444	Ave		0.7022				9.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24716-1 Analy Batch No.: 77543

SDG No.: 200-24716

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2014 23:57 Calibration End Date: 09/22/2014 06:01 Calibration ID: 28016

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-77543/7	9579_007.D
Level 2	IC 200-77543/8	9579_008.D
Level 3	IC 200-77543/9	9579_009.D
Level 4	IC 200-77543/10	9579_010.D
Level 5	ICIS 200-77543/11	9579_011.D
Level 6	IC 200-77543/12	9579_012.D
Level 7	IC 200-77543/13	9579_013.D
Level 8	IC 200-77543/14	9579_014.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 472051	+++++ 638730	15632 1276731	147086	298608	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 12	BCM	Ave	+++++ 3060271	+++++ 4149122	96779 8140229	993134	1973954	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1250691	+++++ 1693298	38282 3354979	400360	794837	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon-114	BCM	Ave	+++++ 2272561	26566 3124818	70089 6240110	710260	1448878	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 474350	+++++ 641856	14794 1308600	147016	296824	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 786878	+++++ 1075811	24112 2197120	248266	500471	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1919 662931	7423 907751	20481 1829309	206222	419390	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 455145	5168 623379	13312 1263316	142999	282435	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 892339	10852 1221720	29289 2399286	283613	565458	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 390880	+++++ 544872	12889 1092308	124175	249707	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 618215	8171 844854	19586 1726783	188362	379080	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl bromide	BCM	Ave	+++++ 1040108	12558 1423547	32749 2819963	329762	667332	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Freon 11	BCM	Ave	+++++ 3509883	42771 4800573	114619 9408562	1150782	2290380	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 923011	+++++ 1261574	30693 2565615	289720	579637	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 254044	+++++ 515770	56844 1324044	113993	232255	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24716-1 Analy Batch No.: 77543

SDG No.: 200-24716

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2014 23:57 Calibration End Date: 09/22/2014 06:01 Calibration ID: 28016

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 501642	5691 704790	14772 1431438	156322	318949	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 183499	+++++ 263486	+++++ 560625	59607	122290	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon 113	BCM	Ave	+++++ 2119173	24511 2934631	68643 5750568	693493	1370387	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 971116	10704 1339359	30338 2673891	306566	610960	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 1317574	+++++ 1768090	+++++ 3337929	413468	784678	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 922813	+++++ 1151970	+++++ 2566434	280610	489376	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2186069	+++++ 3070527	69308 6042774	689403	1368045	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Allyl chloride	BCM	Ave	+++++ 694235	7312 978292	19412 1999003	211771	426978	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 343596	+++++ 461795	+++++ 959946	107667	202216	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 713722	+++++ 988390	26474 1986418	228307	451673	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1880400	+++++ 2420457	+++++ 5276295	583080	1060845	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 3065123	29701 4264746	86261 8653227	942105	1910491	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1202024	12693 1659782	35629 3374829	373475	742013	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 419281	+++++ 582215	11099 1210445	126372	253834	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexane	BCM	Ave	+++++ 1023549	10105 1416968	31023 2892628	308485	630968	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	3574 1509982	16502 2061718	45717 4122799	470002	942337	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1586270	+++++ 2197714	+++++ 4471978	464062	963642	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 452542	+++++ 594547	19786 1191729	134497	272540	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1083253	11332 1481551	32070 2919574	338838	682660	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 85920	+++++ 116191	+++++ 234846	26609	53704	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 595034	+++++ 818231	+++++ 1706984	179309	356269	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24716-1 Analy Batch No.: 77543

SDG No.: 200-24716

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2014 23:57 Calibration End Date: 09/22/2014 06:01 Calibration ID: 28016

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2389919	27657 3264541	72343 6510314	750577	1501084	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1365850	13837 1885291	38683 3767640	417715	863038	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2976967	31869 4061675	91150 8020451	939062	1902070	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	8103 3310902	34375 4517993	98042 8900765	1039855	2115341	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3532201	31646 4949960	93341 10235873	1054400	2176537	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 2795856	31608 3876086	84623 7977412	858737	1766023	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1708844	18983 2334094	50747 4705545	527710	1079261	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Heptane	DFB	Ave	+++++ 1067435	9198 1490540	28672 3115995	319735	655812	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 415866	+++++ 525180	+++++ 1188779	122332	200902	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	3509 1569449	16919 2145075	45767 4300740	486023	983122	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 864348	9128 1194006	25554 2411596	260863	535344	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 964819	+++++ 1330316	24127 2696015	288156	596058	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 532174	+++++ 631537	+++++ 1441083	165925	270250	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 1555959	17845 2113153	49573 4061010	500791	1010678	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 2804028	27207 3848522	78331 7720466	858957	1759617	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1753757	14984 2446176	44131 5005862	516418	1087867	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1540723	+++++ 2110231	34490 4451111	448520	926131	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1492210	14491 2090813	40491 4350084	451558	925614	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 2400941	25196 3304825	71768 6744991	757149	1518678	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2030919	17900 2811254	51065 5751811	604665	1262104	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1088718	11384 1493425	31992 3006193	333062	684990	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24716-1 Analy Batch No.: 77543

SDG No.: 200-24716

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2014 23:57 Calibration End Date: 09/22/2014 06:01 Calibration ID: 28016

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	6098 2448921	26880 3321094	76776 6308625	789588	1600647	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1556507	+++++ 2138914	37783 4503566	464225	923785	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 3271029	31060 4461136	88250 8765971	1011857	2090146	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2476997	23961 3368653	68814 6772748	756617	1553941	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 3762706	43721 5182710	116796 10420337	1187094	2388390	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 1808654	18844 2535947	52687 5282276	559744	1128450	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 5724077	67179 7862821	176171 15885885	1808770	3623994	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 4719246	59346 6523454	147587 13027955	1505936	3011026	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 2354501	27111 3214036	71143 6398761	757988	1501139	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 3626132	45382 5000256	93555 10192304	1130403	2283397	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 3099248	30943 4192305	89386 7872150	1009473	2025680	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 7588487	75597 10443658	216261 18906887	2344774	4759973	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 2919953	30714 4009290	89839 7957830	914412	1832514	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 8461722	94285 11598138	243818 18884756	2636201	5299318	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2501734	+++++ 3401568	79723 6662856	795786	1574790	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 2503663	+++++ 3387142	69922 6528537	767183	1546329	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 7660154	92638 10593298	224908 18155370	2408940	4819699	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 5991927	73147 8293319	181712 16324042	1905620	3742319	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 6589335	64989 8934517	195783 16424792	2059633	4148869	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 3283364	36072 4346927	41603 8169700	1017866	2047160	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6390127	69361 8682718	195267 15917959	2058909	4060637	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24716-1 Analy Batch No.: 77543

SDG No.: 200-24716

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2014 23:57 Calibration End Date: 09/22/2014 06:01 Calibration ID: 28016

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6582539	74561 8929400	197668 16273263	2074753	4122575	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 9087772	100532 12157817	277323 20510889	2877279	5748483	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 8191987	85908 10469807	246995 18953674	2611201	5202289	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 4586853	78311 6187242	151369 10895203	1457879	2906719	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 4652061	74413 6222068	148895 10926155	1473086	2948813	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 4974251	55210 6635541	133023 12788152	1448315	3012198	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 2485223	+++++ 3648887	+++++ 7672154	879696	1614449	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6590084	75296 8142028	205205 17116006	2124073	4199961	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 4394555	67248 5684578	144136 10443393	1416500	2802250	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 2771105	+++++ 4015402	+++++ 7561845	838384	1587782	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 3352753	+++++ 4997276	115291 8511675	1152774	1996508	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachloro-1,3-butadiene	CBZ	Ave	+++++ 2550075	34596 3596075	98380 6376957	902415	1630240	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 7605550	+++++ 12139164	219940 20079171	2526934	4282114	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 3255841	39335 4787519	113047 7980457	1043165	1955579	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_007.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Sep-2014 23:57:30 ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009579-007
Misc. Info.: ic-01
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 22-Sep-2014 10:27:57 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: daiglep Date: 22-Sep-2014 08:27:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
4 Propene	41	3.165	3.170	-0.005	91	3483	0.0401	0.1174	
5 Dichlorodifluoromethane	85	3.229	3.229	0.000	98	8125	0.0401	0.0422	
6 Chlorodifluoromethane	51	3.267	3.266	0.001	40	5039	0.0401	0.0647	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.453	3.459	-0.006	86	5836	0.0401	0.0413	
8 Chloromethane	50	3.603	3.597	0.006	16	1633	0.0401	0.0553	
9 Butane	43	3.774	3.773	0.001	87	2532	0.0401	0.0514	
10 Vinyl chloride	62	3.822	3.816	0.006	22	1919	0.0401	0.0460	
11 Butadiene	54	3.886	3.886	0.000	63	948	0.0401	0.0340	
13 BFB									
12 Bromomethane	94	4.617	4.601	0.016	39	2576	0.0401	0.0459	
14 Chloroethane	64	4.836	4.846	-0.010	1	654	0.0401	0.0262	
15 2-Methylbutane	43	4.900	4.916	-0.016	54	2686	0.0401	0.0690	
16 Vinyl bromide	106	5.268	5.262	0.006	44	2877	0.0401	0.0442	
17 Trichlorofluoromethane	101	5.359	5.359	0.000	97	8812	0.0401	0.0396	
18 Pentane	43	5.487	5.492	-0.005	60	3624	0.0401	0.0620	
19 Ethanol	45	5.855	5.844	0.011	80	1310	0.0802	0.1067	
21 Ethyl ether	59	6.004	5.983	0.021	49	868	0.0401	0.0279	
22 Acrolein	56	6.399	6.389	0.010	40	725	0.0401	0.0602	
23 1,1,2-Trichloro-1,2,2-trif	101	6.389	6.405	-0.016	90	5675	0.0401	0.0425	
24 1,1-Dichloroethene	96	6.469	6.485	-0.016	67	2734	0.0401	0.0456	
25 Acetone	43	6.682	6.666	0.016	87	12205	0.0401	0.1527	
26 Isopropyl alcohol	45	6.880	6.869	0.011	52	2392	0.0401	0.0437	
27 Carbon disulfide	76	6.912	6.917	-0.005	78	2417	0.0401	0.0175	
29 3-Chloro-1-propene	41	7.200	7.210	-0.010	33	1024	0.0401	0.0244	
30 Acetonitrile	41	7.333	7.312	0.021	63	1244	0.0401	0.0587	
31 Methylene Chloride	49	7.467	7.477	-0.010	76	6720	0.0401	0.1448	
32 2-Methyl-2-propanol	59	7.568	7.573	-0.005	50	4119	0.0401	0.0361	
33 Methyl tert-butyl ether	73	7.814	7.803	0.011	60	7033	0.0401	0.0383	
34 trans-1,2-Dichloroethene	61	7.872	7.872	0.000	86	1809	0.0401	0.0247	
35 Acrylonitrile	53	7.995	7.984	0.011	44	754	0.0401	0.0296	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	8.193	8.187	0.006	85	1970	0.0401	0.0319	
37 1,1-Dichloroethane	63	8.630	8.635	-0.005	28	3574	0.0401	0.0389	
38 Vinyl acetate	43	8.641	8.641	0.000	92	2641	0.0401	0.0270	
40 2-Butanone (MEK)	72	9.537	9.537	0.000	99	1348	0.0401	0.0459	
41 Ethyl acetate	88		9.543					ND	
39 cis-1,2-Dichloroethene	96	9.537	9.543	-0.006	66	2286	0.0401	0.0348	
43 Tetrahydrofuran	42	9.938	9.911	0.027	50	1103	0.0401	0.0304	
* 44 Chlorobromomethane	128	9.911	8.691	1.220	68	663080	10.0	10.0	
45 Chloroform	83	9.975	9.986	-0.011	78	6064	0.0401	0.0412	
S 42 1,2-Dichloroethene, Total	61				0		0.0802	0.0596	
46 Cyclohexane	84	10.231	10.231	0.000	55	1811	0.0401	0.0224	
47 1,1,1-Trichloroethane	97	10.242	10.236	0.006	86	3404	0.0401	0.0190	
48 Carbon tetrachloride	117	10.423	10.429	-0.006	92	8103	0.0401	0.0409	
49 Isooctane	57		10.701					ND	
50 Benzene	78	10.765	10.770	-0.005	95	8065	0.0401	0.0473	
51 1,2-Dichloroethane	62		10.888					ND	
52 n-Heptane	43	10.941	10.952	-0.011	72	2352	0.0401	0.0381	
A 53 GRO	1	11.002	(4.906-17.099)		0	1803288	0.0401	0	
* 54 1,4-Difluorobenzene	114	11.309	11.315	-0.006	92	3181579	10.0	10.0	
56 n-Butanol	56	11.507	11.491	0.016	40	1233	0.0401	0.0516	
57 Trichloroethene	95	11.678	11.677	0.001	89	3509	0.0401	0.0396	M
58 1,2-Dichloropropane	63	12.062	12.062	0.000	1	1308	0.0401	0.0254	
59 Methyl methacrylate	69		12.088					ND	
60 1,4-Dioxane	88	12.201	12.184	0.017	31	874	0.0401	0.0287	
61 Dibromomethane	174	12.238	12.249	-0.010	73	1882	0.0401	0.0197	
62 Dichlorobromomethane	83	12.414	12.419	-0.005	96	5757	0.0401	0.0350	
A 63 TVOC as Toluene	1	12.662	(3.160-22.164)		0	3068936	0.0401	19.2	
64 cis-1,3-Dichloropropene	75	13.038	13.049	-0.011	95	3150	0.0401	0.0315	
65 4-Methyl-2-pentanone (MIBK	43	13.199	13.198	0.001	86	2912	0.0401	0.0326	
A 66 C8 Range	1	13.418	(13.378-13.458)		0	53470	NC	NC	
67 n-Octane	43	13.423	13.428	-0.005	64	4627	0.0401	0.0526	
68 Toluene	92	13.476	13.471	0.005	94	5436	0.0401	0.0379	
A 69 Toluene Range	1	13.486	(13.461-13.511)		0	38072	NC	NC	
70 trans-1,3-Dichloropropene	75	13.844	13.839	0.005	93	3841	0.0401	0.0331	
71 1,1,2-Trichloroethane	83		14.116					ND	
72 Tetrachloroethene	166	14.223	14.229	-0.005	95	6098	0.0401	0.0412	
73 2-Hexanone	43	14.367	14.367	0.000	46	2534	0.0401	0.0280	
74 Chlorodibromomethane	129	14.656	14.661	-0.005	93	6761	0.0401	0.0358	
75 Ethylene Dibromide	107	14.864	14.864	0.000	97	5474	0.0401	0.0382	
* 76 Chlorobenzene-d5	117	15.403	15.408	-0.005	85	2852070	10.0	10.0	
77 Chlorobenzene	112	15.440	15.445	-0.005	87	9356	0.0401	0.0409	
78 n-Nonane	57	15.499	15.504	-0.005	59	4091	0.0401	0.0379	
79 Ethylbenzene	91	15.499	15.509	-0.010	98	14826	0.0401	0.0426	
80 m-Xylene & p-Xylene	106	15.648	15.653	-0.005	99	12745	0.0802	0.0875	
S 81 Xylenes, Total	106				0		0.1203	0.1264	
82 o-Xylene	106	16.161	16.160	0.001	93	5544	0.0401	0.0389	
83 Styrene	104	16.187	16.187	0.000	97	9849	0.0401	0.0453	
84 Bromoform	173	16.475	16.481	-0.006	94	6226	0.0401	0.0342	
85 Isopropylbenzene	105	16.566	16.566	0.000	95	15570	0.0401	0.0355	
$ 86 4-Bromofluorobenzene	95	16.822	16.828	-0.006	91	2155655	NC	NC	
87 1,1,2,2-Tetrachloroethane	83	16.977	16.977	0.000	93	7001	0.0401	0.0402	
88 N-Propylbenzene	91	17.036	17.041	-0.005	99	21412	0.0401	0.0437	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	17.068	17.068	0.000	92	7083	0.0401	0.0464	
90 n-Decane	57	17.089	17.089	0.000	83	5216	0.0401	0.0354	
91 4-Ethyltoluene	105	17.164	17.164	0.000	98	18816	0.0401	0.0413	
92 2-Chlorotoluene	91	17.212	17.207	0.006	96	16707	0.0401	0.0458	
93 1,3,5-Trimethylbenzene	105	17.228	17.228	0.000	91	14488	0.0401	0.0379	
94 Alpha Methyl Styrene	118	17.505	17.505	0.000	90	7285	0.0401	0.0414	
95 tert-Butylbenzene	119	17.612	17.612	0.000	94	15970	0.0401	0.0421	
96 1,2,4-Trimethylbenzene	105	17.682	17.681	0.001	95	15349	0.0401	0.0394	
97 sec-Butylbenzene	105	17.868	17.874	-0.006	97	21530	0.0401	0.0405	
98 4-Isopropyltoluene	119	18.028	18.028	0.000	97	19047	0.0401	0.0402	
99 1,3-Dichlorobenzene	146	18.103	18.108	-0.005	98	16708	0.0401	0.0569	
100 1,4-Dichlorobenzene	146	18.226	18.226	0.000	91	15407	0.0401	0.0528	
101 Benzyl chloride	91	18.386	18.386	0.000	99	11437	0.0401	0.0402	
102 Undecane	57	18.477	18.487	-0.010	83	5756	0.0401	0.0356	
103 n-Butylbenzene	91	18.541	18.546	-0.005	96	15677	0.0401	0.0400	
104 1,2-Dichlorobenzene	146	18.722	18.728	-0.006	96	13880	0.0401	0.0506	
106 Dodecane	57	19.982	19.982	0.000	83	4649	0.0401	0.0280	
107 1,2,4-Trichlorobenzene	180	21.156	21.150	0.006	92	8520	0.0401	0.0405	
108 Hexachlorobutadiene	225	21.311	21.311	0.000	88	7630	0.0401	0.0461	
109 Naphthalene	128	21.658	21.663	-0.005	97	16082	0.0401	0.0346	
110 1,2,3-Trichlorobenzene	180	22.154	22.154	0.000	94	7561	0.0401	0.0378	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

ATTO15CAL1w_00109	Amount Added:	40.00	Units: mL	
ATTO15BISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

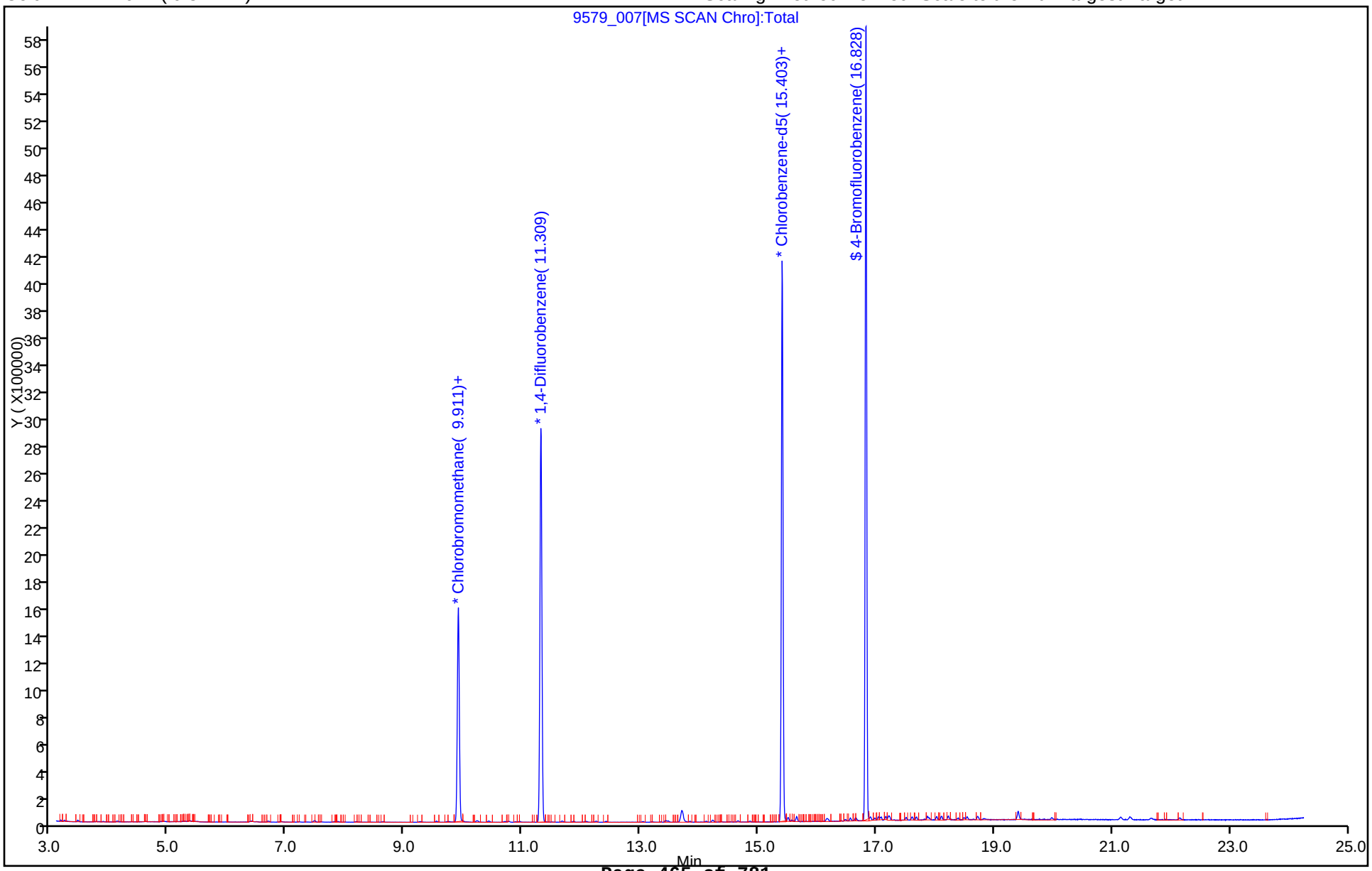
Report Date: 22-Sep-2014 10:27:58 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_007.D

Injection Date:	21-Sep-2014 23:57:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



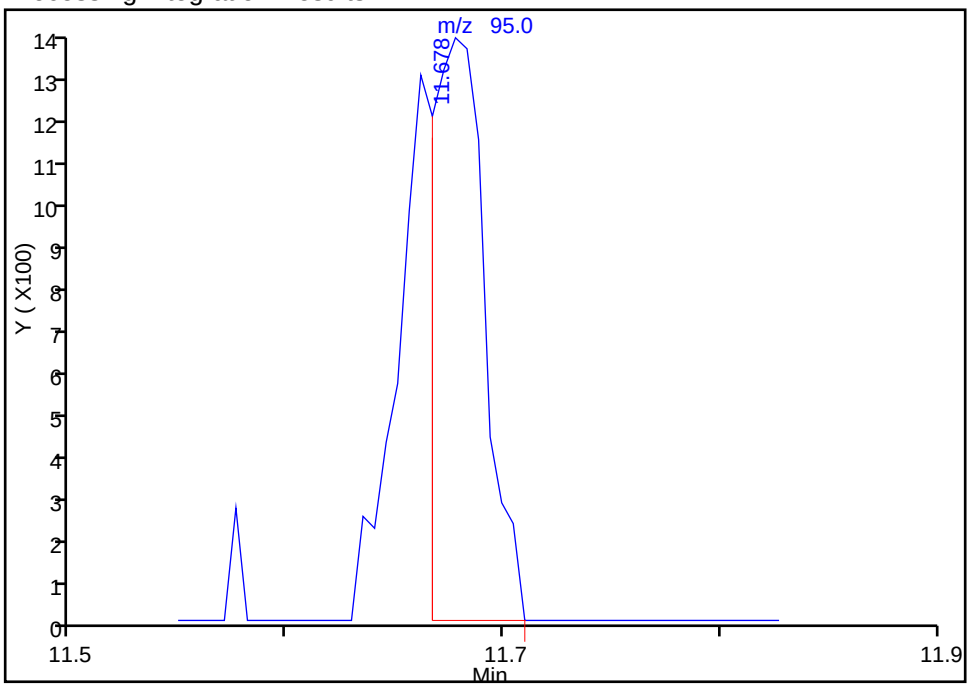
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_007.D
Injection Date: 21-Sep-2014 23:57:30 Instrument ID: CHB.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

57 Trichloroethene, CAS: 79-01-6

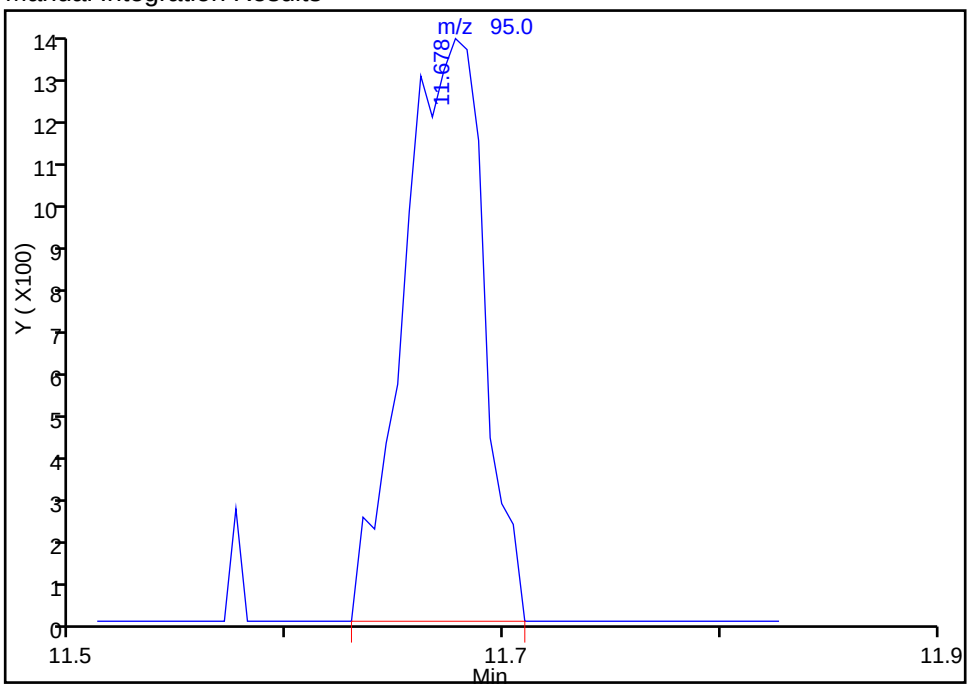
Processing Integration Results

RT: 11.68
Response: 2328
Amount: 0.027432



Manual Integration Results

RT: 11.68
Response: 3509
Amount: 0.039629



Reviewer: daiglep, 22-Sep-2014 08:27:48
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

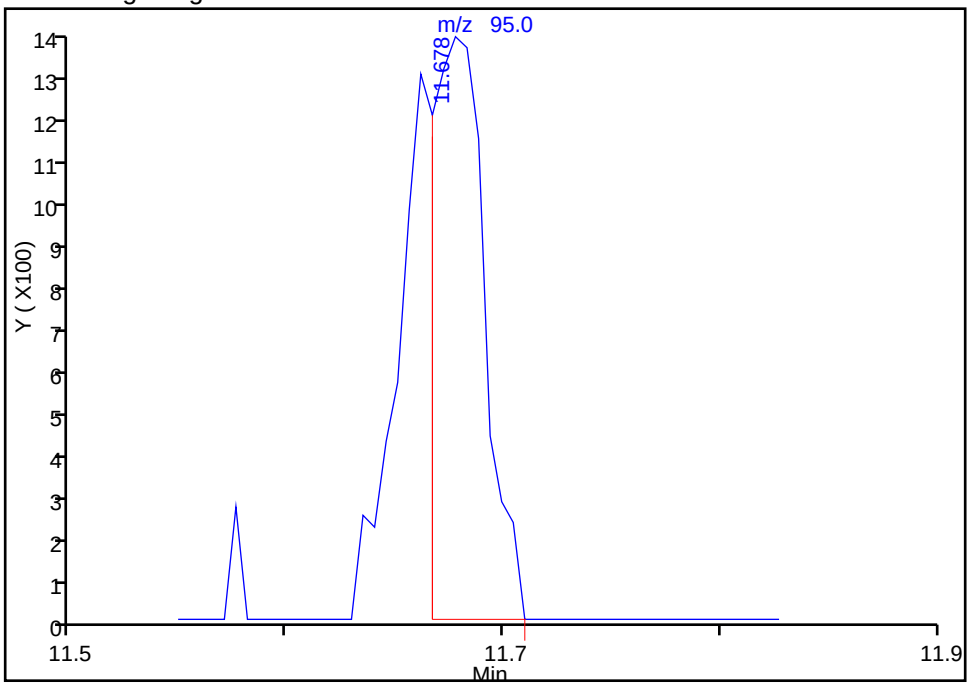
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_007.D
Injection Date: 21-Sep-2014 23:57:30 Instrument ID: CHB.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

57 Trichloroethene, CAS: 79-01-6

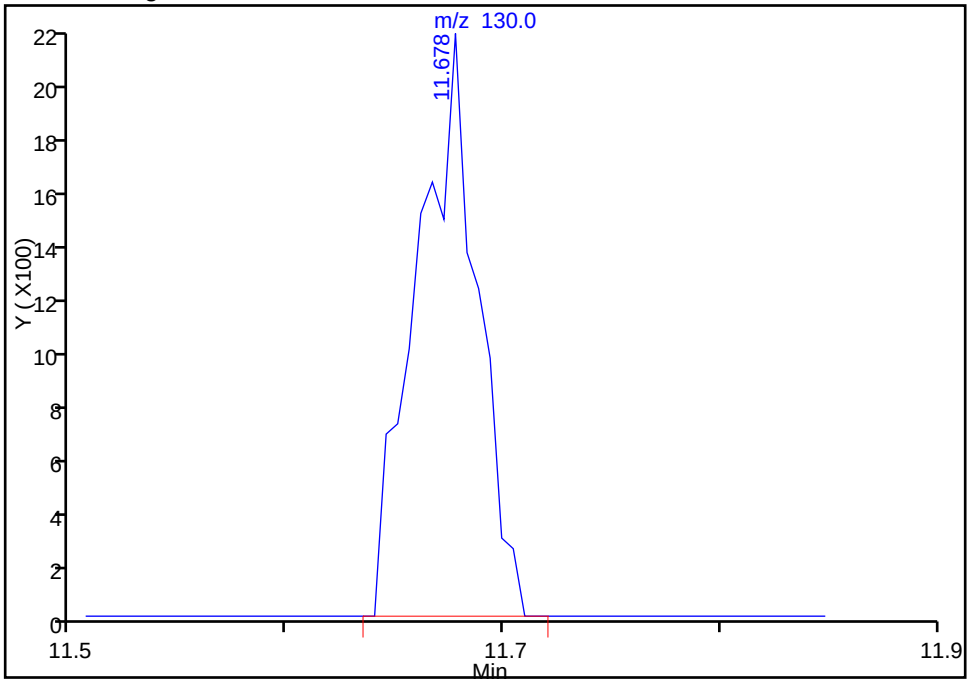
Processing Integration Results

RT: 11.68
Response: 0
Amount: 0.027432



Manual Integration Results

RT: 11.68
Response: 4181
Amount: 0.039629



Reviewer: daiglep, 22-Sep-2014 08:27:48
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_008.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Sep-2014 00:49:30 ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009579-008
Misc. Info.: ic-02
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 22-Sep-2014 11:37:39 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: daiglep Date: 22-Sep-2014 08:29:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
4 Propene	41	3.170	3.170	0.000	92	6375	0.2004	0.2194	
5 Dichlorodifluoromethane	85	3.229	3.229	0.000	99	34452	0.2004	0.1829	
6 Chlorodifluoromethane	51	3.272	3.266	0.006	96	15827	0.2004	0.2075	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.453	3.459	-0.006	93	26566	0.2004	0.1922	
8 Chloromethane	50	3.603	3.597	0.006	97	6229	0.2004	0.2154	
9 Butane	43	3.773	3.773	0.000	93	9636	0.2004	0.1996	
10 Vinyl chloride	62	3.821	3.816	0.005	96	7423	0.2004	0.1816	
11 Butadiene	54	3.891	3.886	0.005	85	5168	0.2004	0.1892	
13 BFB									
12 Bromomethane	94	4.606	4.601	0.005	98	10852	0.2004	0.1975	
14 Chloroethane	64	4.841	4.846	-0.005	48	4345	0.2004	0.1780	
15 2-Methylbutane	43	4.900	4.916	-0.016	84	8171	0.2004	0.2143	
16 Vinyl bromide	106	5.262	5.262	0.000	95	12558	0.2004	0.1969	
17 Trichlorofluoromethane	101	5.348	5.359	-0.011	96	42771	0.2004	0.1963	
18 Pentane	43	5.492	5.492	0.000	97	11973	0.2004	0.2093	
19 Ethanol	45	5.855	5.844	0.011	92	5431	0.4009	0.4516	
21 Ethyl ether	59	5.994	5.983	0.011	93	5691	0.2004	0.1870	
22 Acrolein	56	6.394	6.389	0.005	42	2649	0.2004	0.2245	
23 1,1,2-Trichloro-1,2,2-trif	101	6.405	6.405	0.000	93	24511	0.2004	0.1876	
24 1,1-Dichloroethene	96	6.479	6.485	-0.006	95	10704	0.2004	0.1822	
25 Acetone	43	6.671	6.666	0.005	84	36483	0.2004	0.4661	
26 Isopropyl alcohol	45	6.880	6.869	0.011	72	9102	0.2004	0.1700	
27 Carbon disulfide	76	6.917	6.917	0.000	99	26534	0.2004	0.1967	
29 3-Chloro-1-propene	41	7.200	7.210	-0.010	77	7312	0.2004	0.1776	
30 Acetonitrile	41	7.328	7.312	0.016	92	4856	0.2004	0.2339	
31 Methylene Chloride	49	7.472	7.477	-0.005	80	13245	0.2004	0.2915	
32 2-Methyl-2-propanol	59	7.573	7.573	0.000	98	17080	0.2004	0.1530	
33 Methyl tert-butyl ether	73	7.808	7.803	0.005	94	29701	0.2004	0.1652	
34 trans-1,2-Dichloroethene	61	7.872	7.872	0.000	87	12693	0.2004	0.1772	
35 Acrylonitrile	53	7.979	7.984	-0.005	85	3818	0.2004	0.1529	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	8.182	8.187	-0.005	85	10105	0.2004	0.1671	
37 1,1-Dichloroethane	63	8.630	8.635	-0.005	97	16502	0.2004	0.1835	
38 Vinyl acetate	43	8.635	8.641	-0.006	94	12862	0.2004	0.1342	
40 2-Butanone (MEK)	72	9.543	9.537	0.006	99	6139	0.2004	0.2136	
41 Ethyl acetate	88		9.543					ND	
39 cis-1,2-Dichloroethene	96	9.537	9.543	-0.006	65	11332	0.2004	0.1764	
43 Tetrahydrofuran	42	9.927	9.911	0.016	87	5884	0.2004	0.1637	
* 44 Chlorobromomethane	128	9.911	9.916	-0.005	68	649322	10.0	10.0	
45 Chloroform	83	9.986	9.986	0.000	98	27657	0.2004	0.1917	
S 42 1,2-Dichloroethene, Total	61				0		0.4009	0.3536	
46 Cyclohexane	84	10.226	10.231	-0.005	57	13837	0.2004	0.1728	M
47 1,1,1-Trichloroethane	97	10.226	10.236	-0.010	95	31869	0.2004	0.1791	
48 Carbon tetrachloride	117	10.429	10.429	0.000	98	34375	0.2004	0.1749	
49 Isooctane	57	10.701	10.701	0.000	96	31646	0.2004	0.1561	
50 Benzene	78	10.765	10.770	-0.005	95	31608	0.2004	0.1872	
51 1,2-Dichloroethane	62	10.882	10.888	-0.006	96	18983	0.2004	0.1861	
52 n-Heptane	43	10.946	10.952	-0.006	66	9198	0.2004	0.1503	
A 53 GRO	1	11.002	(4.906-17.099)		0	5452929	0.2004	0	
* 54 1,4-Difluorobenzene	114	11.309	11.315	-0.006	92	3152356	10.0	10.0	
56 n-Butanol	56	11.496	11.491	0.005	92	4107	0.2004	0.1736	
57 Trichloroethene	95	11.667	11.677	-0.010	85	16919	0.2004	0.1835	M
58 1,2-Dichloropropane	63	12.056	12.062	-0.006	82	9128	0.2004	0.1787	
59 Methyl methacrylate	69	12.088	12.088	0.000	87	7761	0.2004	0.1374	
60 1,4-Dioxane	88	12.200	12.184	0.016	85	4551	0.2004	0.1507	
61 Dibromomethane	174	12.248	12.249	0.000	90	17845	0.2004	0.1890	
62 Dichlorobromomethane	83	12.414	12.419	-0.005	98	27207	0.2004	0.1670	
A 63 TVOC as Toluene	1	12.662	(3.160-22.164)		0	9985458	0.2004	62.9	
64 cis-1,3-Dichloropropene	75	13.038	13.049	-0.011	92	14984	0.2004	0.1512	
65 4-Methyl-2-pentanone (MIBK	43	13.198	13.198	0.000	86	11559	0.2004	0.1306	
A 66 C8 Range	1	13.406	(13.378-13.434)		0	80910	NC	NC	
67 n-Octane	43	13.433	13.428	0.005	70	14491	0.2004	0.1664	
68 Toluene	92	13.465	13.471	-0.006	92	25196	0.2004	0.1767	
A 69 Toluene Range	1	13.486	(13.461-13.511)		0	116716	NC	NC	
70 trans-1,3-Dichloropropene	75	13.834	13.839	-0.005	95	17900	0.2004	0.1555	
71 1,1,2-Trichloroethane	83	14.111	14.116	-0.005	89	11384	0.2004	0.1781	
72 Tetrachloroethene	166	14.228	14.229	0.000	95	26880	0.2004	0.1829	
73 2-Hexanone	43	14.367	14.367	0.000	90	12472	0.2004	0.1386	
74 Chlorodibromomethane	129	14.650	14.661	-0.011	95	31060	0.2004	0.1658	
75 Ethylene Dibromide	107	14.858	14.864	-0.006	96	23961	0.2004	0.1682	
* 76 Chlorobenzene-d5	117	15.403	15.408	-0.005	84	2832927	10.0	10.0	
77 Chlorobenzene	112	15.440	15.445	-0.005	97	43721	0.2004	0.1923	
78 n-Nonane	57	15.504	15.504	0.000	59	18844	0.2004	0.1756	
79 Ethylbenzene	91	15.504	15.509	-0.005	97	67179	0.2004	0.1943	
80 m-Xylene & p-Xylene	106	15.648	15.653	-0.005	99	59346	0.4009	0.4102	
S 81 Xylenes, Total	106				0		0.6013	0.6018	
82 o-Xylene	106	16.160	16.160	0.000	94	27111	0.2004	0.1916	
83 Styrene	104	16.182	16.187	-0.005	98	45382	0.2004	0.2102	
84 Bromoform	173	16.481	16.481	0.000	96	30943	0.2004	0.1712	
85 Isopropylbenzene	105	16.561	16.566	-0.005	95	75597	0.2004	0.1736	
$ 86 4-Bromofluorobenzene	95	16.822	16.828	-0.006	91	2150119	NC	NC	
87 1,1,2,2-Tetrachloroethane	83	16.977	16.977	0.000	94	30714	0.2004	0.1776	
88 N-Propylbenzene	91	17.036	17.041	-0.005	99	94285	0.2004	0.1936	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	17.062	17.068	-0.006	93	29803	0.2004	0.1966	
90 n-Decane	57	17.084	17.089	-0.005	81	24542	0.2004	0.1676	
91 4-Ethyltoluene	105	17.158	17.164	-0.006	98	92638	0.2004	0.2049	
92 2-Chlorotoluene	91	17.206	17.207	0.000	96	73147	0.2004	0.2018	
93 1,3,5-Trimethylbenzene	105	17.228	17.228	0.000	93	64989	0.2004	0.1710	
94 Alpha Methyl Styrene	118	17.505	17.505	0.000	92	36072	0.2004	0.2061	
95 tert-Butylbenzene	119	17.607	17.612	-0.005	93	69361	0.2004	0.1840	
96 1,2,4-Trimethylbenzene	105	17.681	17.681	0.000	97	74561	0.2004	0.1927	
97 sec-Butylbenzene	105	17.874	17.874	0.000	98	100532	0.2004	0.1905	
98 4-Isopropyltoluene	119	18.023	18.028	-0.005	96	85908	0.2004	0.1825	
99 1,3-Dichlorobenzene	146	18.108	18.108	0.000	95	78311	0.2004	0.2687	
100 1,4-Dichlorobenzene	146	18.220	18.226	-0.006	96	74413	0.2004	0.2567	
101 Benzyl chloride	91	18.386	18.386	0.000	99	55210	0.2004	0.1951	
102 Undecane	57	18.487	18.487	0.000	86	26769	0.2004	0.1665	
103 n-Butylbenzene	91	18.541	18.546	-0.005	98	75296	0.2004	0.1933	
104 1,2-Dichlorobenzene	146	18.722	18.728	-0.006	97	67248	0.2004	0.2466	
106 Dodecane	57	19.982	19.982	0.000	89	24835	0.2004	0.1505	
107 1,2,4-Trichlorobenzene	180	21.150	21.150	0.000	94	40478	0.2004	0.1938	
108 Hexachlorobutadiene	225	21.311	21.311	0.000	90	34596	0.2004	0.2104	
109 Naphthalene	128	21.663	21.663	0.000	98	75091	0.2004	0.1626	
110 1,2,3-Trichlorobenzene	180	22.148	22.154	-0.006	96	39335	0.2004	0.1977	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00109	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

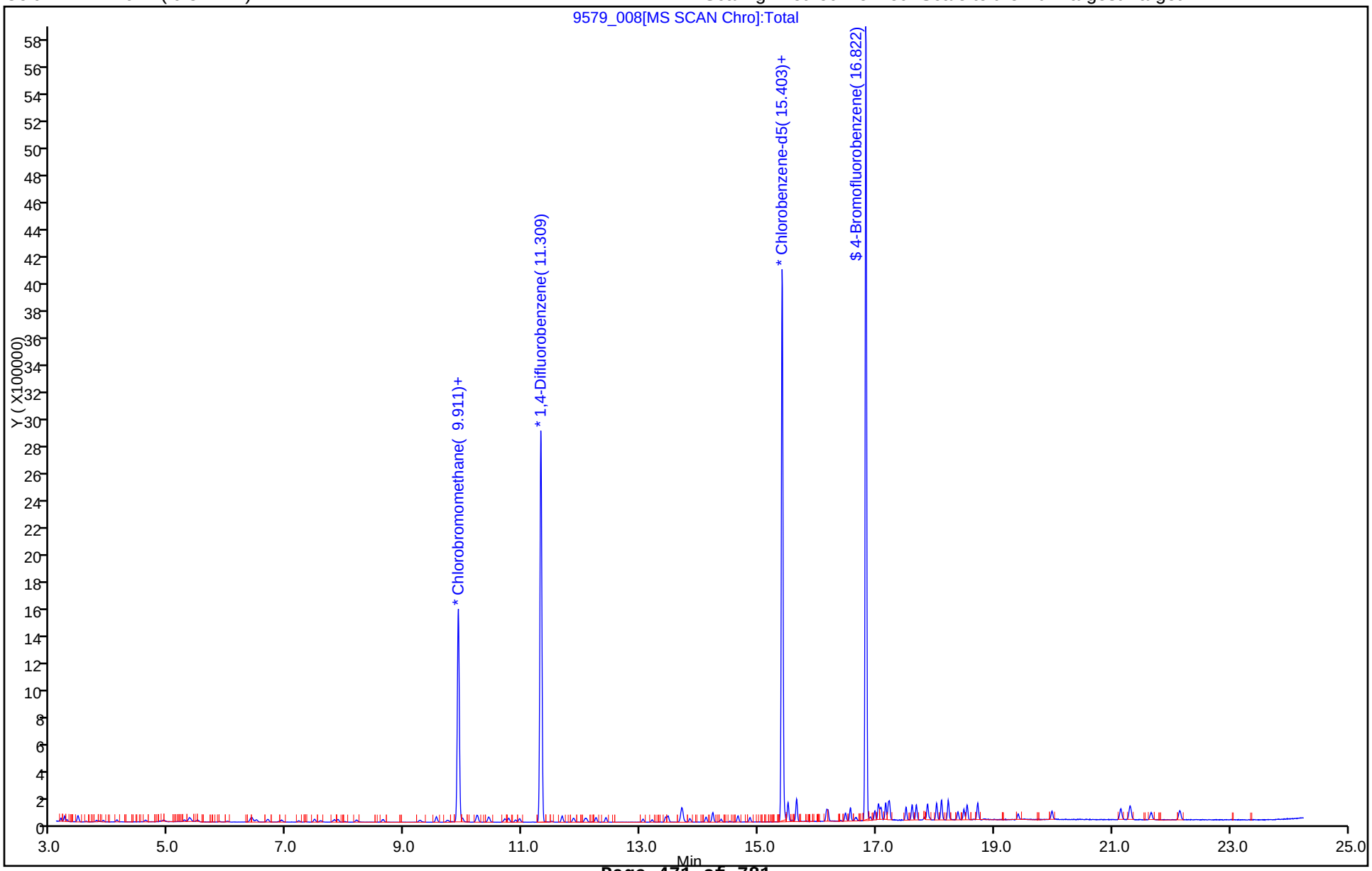
Report Date: 22-Sep-2014 11:37:39 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_008.D

Injection Date:	22-Sep-2014 00:49:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

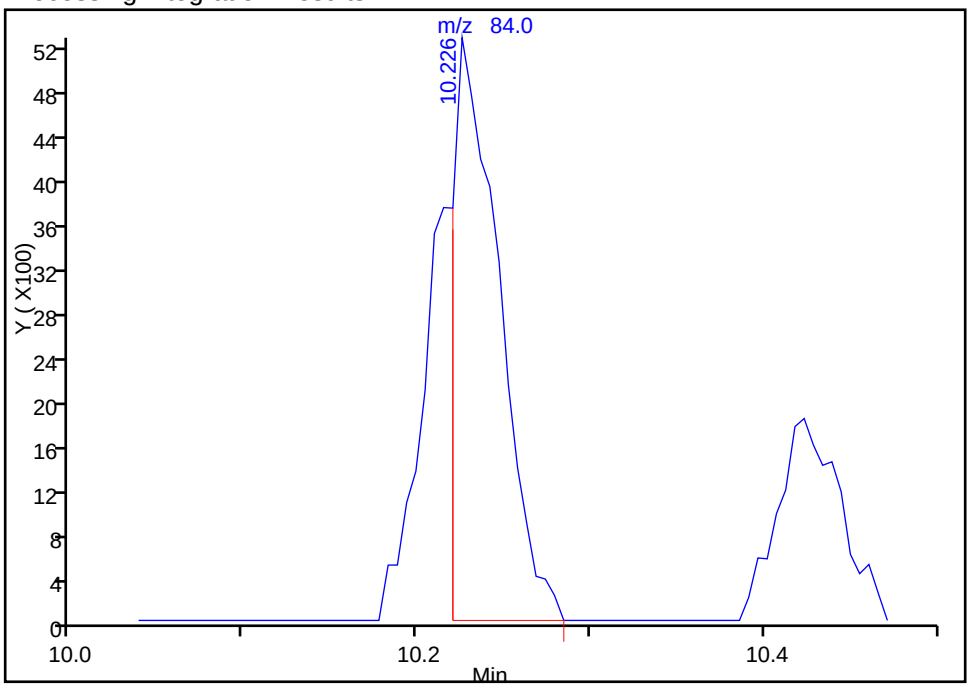
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_008.D
Injection Date: 22-Sep-2014 00:49:30 Instrument ID: CHB.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

46 Cyclohexane, CAS: 110-82-7

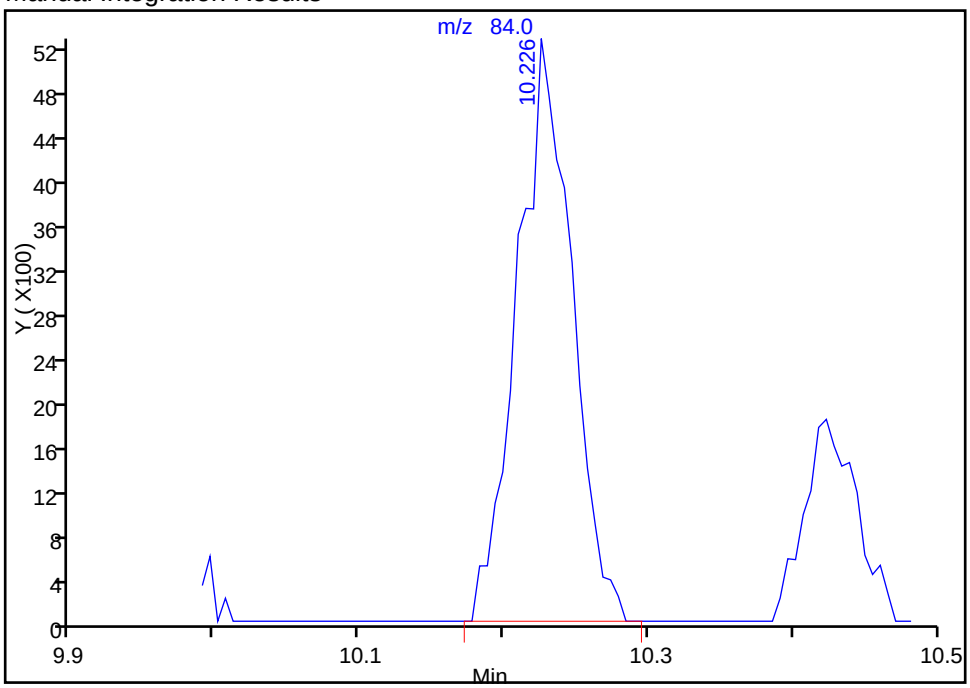
Processing Integration Results

RT: 10.23
Response: 9760
Amount: 0.126462



Manual Integration Results

RT: 10.23
Response: 13837
Amount: 0.172783



Reviewer: daiglep, 22-Sep-2014 08:29:12
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

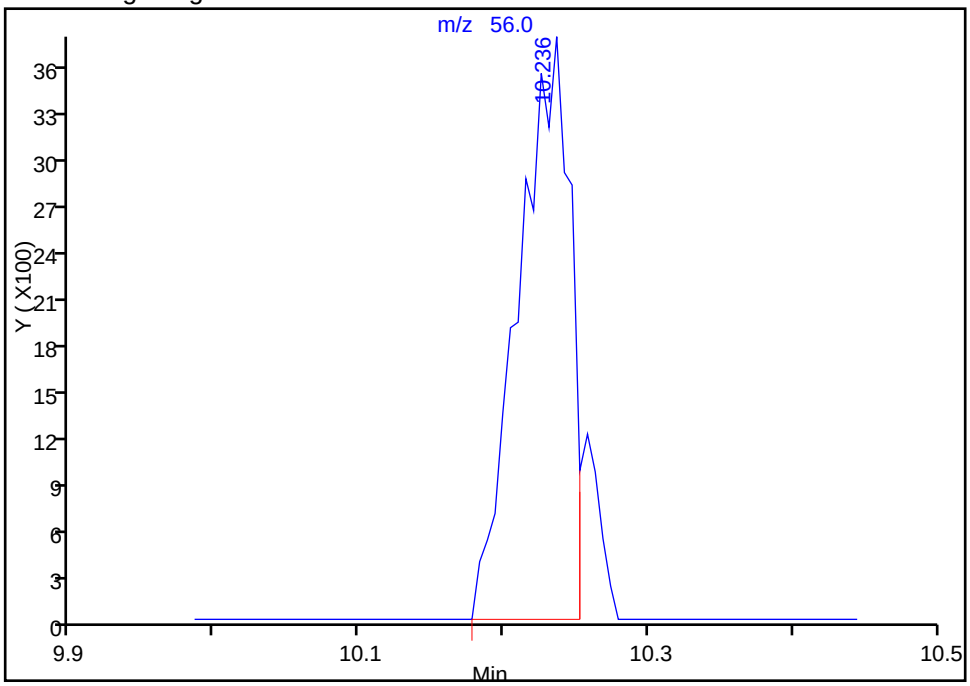
TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_008.D
Injection Date: 22-Sep-2014 00:49:30 Instrument ID: CHB.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

46 Cyclohexane, CAS: 110-82-7

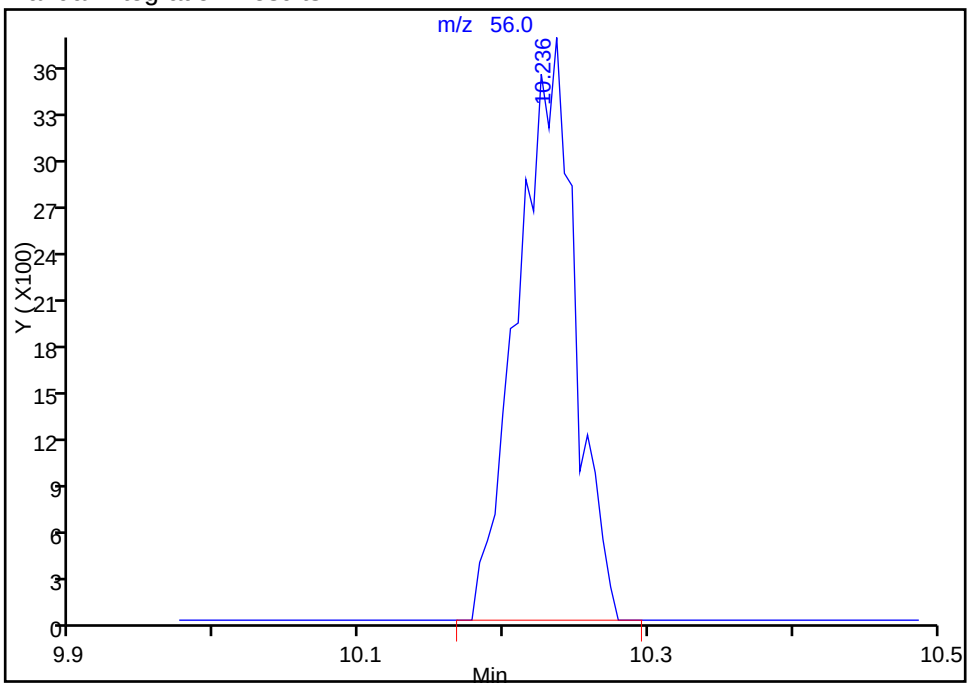
Processing Integration Results

RT: 10.24
Response: 9421
Amount: 0.126462



Manual Integration Results

RT: 10.24
Response: 10349
Amount: 0.172783



Reviewer: daiglep, 22-Sep-2014 08:29:12
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

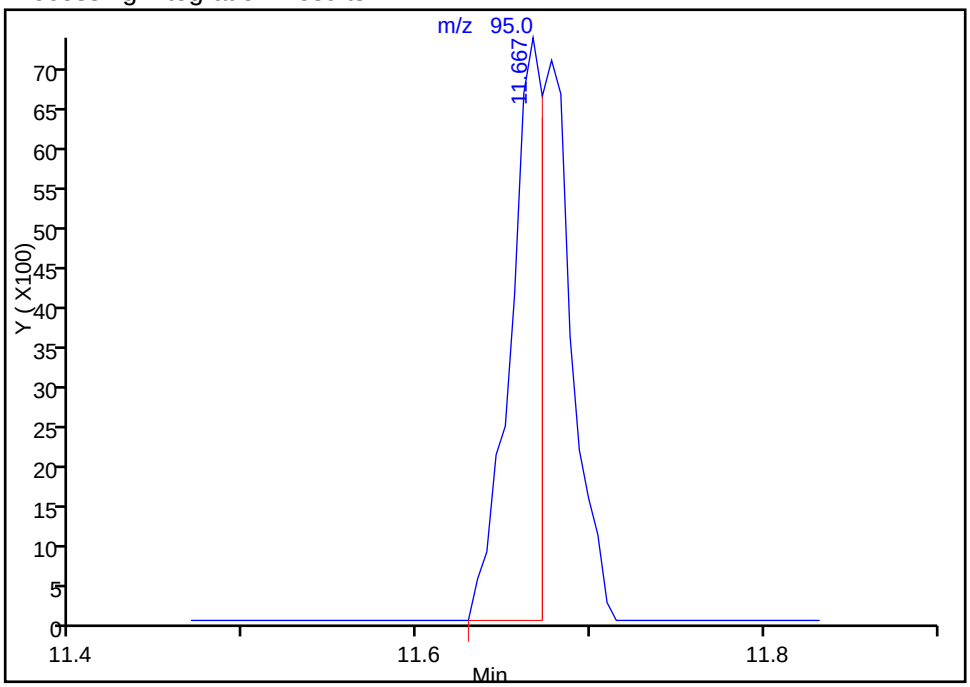
TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_008.D				
Injection Date:	22-Sep-2014 00:49:30	Instrument ID:	CHB.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

57 Trichloroethene, CAS: 79-01-6

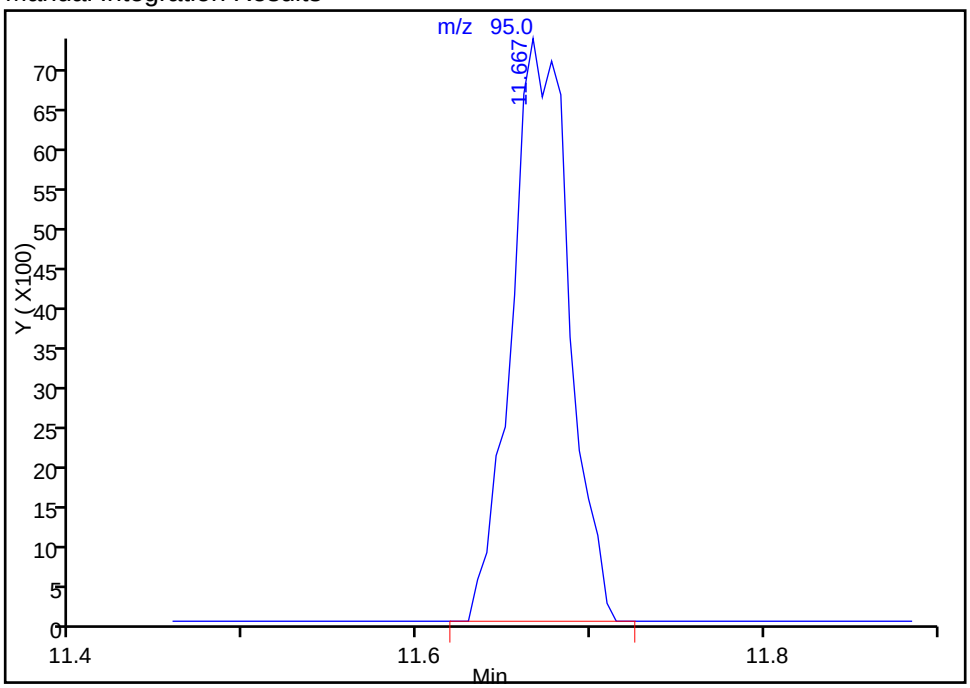
Processing Integration Results

RT: 11.67
Response: 9793
Amount: 0.111623



Manual Integration Results

RT: 11.67
Response: 16919
Amount: 0.183549



Reviewer: lyonsb, 22-Sep-2014 11:37:28
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_009.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Sep-2014 01:41:30 ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009579-009
Misc. Info.: ic-03
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 22-Sep-2014 10:28:02 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: daiglep Date: 22-Sep-2014 08:29:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
4 Propene	41	3.165	3.170	-0.005	94	15632	0.5005	0.5285	
5 Dichlorodifluoromethane	85	3.229	3.229	0.000	99	96779	0.5005	0.5047	
6 Chlorodifluoromethane	51	3.267	3.266	0.001	96	38282	0.5005	0.4930	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.459	3.459	0.000	91	70089	0.5005	0.4981	
8 Chloromethane	50	3.597	3.597	0.000	96	14794	0.5005	0.5026	
9 Butane	43	3.768	3.773	-0.005	94	24112	0.5005	0.4906	
10 Vinyl chloride	62	3.816	3.816	0.000	99	20481	0.5005	0.4921	
11 Butadiene	54	3.886	3.886	0.000	90	13312	0.5005	0.4788	
13 BFB									
12 Bromomethane	94	4.601	4.601	0.000	97	29289	0.5005	0.5235	
14 Chloroethane	64	4.841	4.846	-0.005	98	12889	0.5005	0.5187	
15 2-Methylbutane	43	4.910	4.916	-0.006	85	19586	0.5005	0.5045	
16 Vinyl bromide	106	5.263	5.262	0.001	98	32749	0.5005	0.5045	
17 Trichlorofluoromethane	101	5.353	5.359	-0.006	98	114619	0.5005	0.5168	
18 Pentane	43	5.492	5.492	0.000	94	30693	0.5005	0.5270	
19 Ethanol	45	5.844	5.844	0.000	97	56844	5.01	4.64	
21 Ethyl ether	59	5.978	5.983	-0.005	92	14772	0.5005	0.4769	
22 Acrolein	56	6.383	6.389	-0.006	87	10569	0.5005	0.8798	
23 1,1,2-Trichloro-1,2,2-trif	101	6.399	6.405	-0.006	96	68643	0.5005	0.5160	
24 1,1-Dichloroethene	96	6.485	6.485	0.000	97	30338	0.5005	0.5074	
25 Acetone	43	6.666	6.666	0.000	85	287201	0.5005	3.60	
26 Isopropyl alcohol	45	6.864	6.869	-0.005	95	25729	0.5005	0.4720	
27 Carbon disulfide	76	6.917	6.917	0.000	99	69308	0.5005	0.5046	
29 3-Chloro-1-propene	41	7.205	7.210	-0.005	74	19412	0.5005	0.4631	
30 Acetonitrile	41	7.312	7.312	0.000	97	11257	0.5005	0.5327	
31 Methylene Chloride	49	7.472	7.477	-0.005	80	26474	0.5005	0.5724	
32 2-Methyl-2-propanol	59	7.563	7.573	-0.010	98	64291	0.5005	0.5658	
33 Methyl tert-butyl ether	73	7.803	7.803	0.000	94	86261	0.5005	0.4714	
34 trans-1,2-Dichloroethene	61	7.867	7.872	-0.005	87	35629	0.5005	0.4887	
35 Acrylonitrile	53	7.979	7.984	-0.005	88	11099	0.5005	0.4367	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	8.182	8.187	-0.005	82	31023	0.5005	0.5039	
37 1,1-Dichloroethane	63	8.630	8.635	-0.005	98	45717	0.5005	0.4995	
38 Vinyl acetate	43	8.641	8.641	0.000	98	38750	0.5005	0.3971	
* 44 Chlorobromomethane	128	9.911	8.691	1.220	67	661026	10.0	10.0	
40 2-Butanone (MEK)	72	9.532	9.537	-0.005	99	19786	0.5005	0.6762	
41 Ethyl acetate	88		9.543					ND	
39 cis-1,2-Dichloroethene	96	9.537	9.543	-0.006	60	32070	0.5005	0.4904	
43 Tetrahydrofuran	42	9.916	9.911	0.005	31	16708	0.5005	0.4595	
45 Chloroform	83	9.975	9.986	-0.011	96	72343	0.5005	0.4926	
S 42 1,2-Dichloroethene, Total	61				0		1.00	0.9791	
46 Cyclohexane	84	10.231	10.231	0.000	56	38683	0.5005	0.4775	
47 1,1,1-Trichloroethane	97	10.231	10.236	-0.005	96	91150	0.5005	0.5064	
48 Carbon tetrachloride	117	10.429	10.429	0.000	97	98042	0.5005	0.4931	
49 Isooctane	57	10.695	10.701	-0.006	97	93341	0.5005	0.4551	
50 Benzene	78	10.765	10.770	-0.005	94	84623	0.5005	0.4955	
51 1,2-Dichloroethane	62	10.882	10.888	-0.006	97	50747	0.5005	0.4918	
52 n-Heptane	43	10.952	10.952	0.000	71	28672	0.5005	0.4632	
A 53 GRO	1	11.002	(4.906-17.099)		0	13412970	0.5005	0	
* 54 1,4-Difluorobenzene	114	11.309	11.315	-0.006	92	3189125	10.0	10.0	
56 n-Butanol	56	11.491	11.491	0.000	70	9815	0.5005	0.4100	
57 Trichloroethene	95	11.672	11.677	-0.005	95	45767	0.5005	0.5156	
58 1,2-Dichloropropane	63	12.056	12.062	-0.006	80	25554	0.5005	0.4944	
59 Methyl methacrylate	69	12.088	12.088	0.000	86	24127	0.5005	0.4222	
60 1,4-Dioxane	88	12.190	12.184	0.006	86	12568	0.5005	0.4113	
61 Dibromomethane	174	12.249	12.249	0.001	91	49573	0.5005	0.5189	
62 Dichlorobromomethane	83	12.414	12.419	-0.005	98	78331	0.5005	0.4752	
A 63 TVOC as Toluene	1	12.662	(3.160-22.164)		0	25285348	0.5005	157.6	
64 cis-1,3-Dichloropropene	75	13.044	13.049	-0.005	92	44131	0.5005	0.4401	
65 4-Methyl-2-pentanone (MIBK	43	13.193	13.198	-0.005	89	34490	0.5005	0.3853	
A 66 C8 Range	1	13.409	(13.378-13.458)		0	256857	NC	NC	
67 n-Octane	43	13.433	13.428	0.005	69	40491	0.5005	0.4596	
68 Toluene	92	13.471	13.471	0.000	92	71768	0.5005	0.4972	
A 69 Toluene Range	1	13.486	(13.461-13.511)		0	285312	NC	NC	
70 trans-1,3-Dichloropropene	75	13.839	13.839	0.000	96	51065	0.5005	0.4385	
71 1,1,2-Trichloroethane	83	14.111	14.116	-0.005	91	31992	0.5005	0.4943	
72 Tetrachloroethene	166	14.229	14.229	0.001	96	76776	0.5005	0.5159	
73 2-Hexanone	43	14.367	14.367	0.000	90	37783	0.5005	0.4148	
74 Chlorodibromomethane	129	14.655	14.661	-0.006	97	88250	0.5005	0.4651	
75 Ethylene Dibromide	107	14.858	14.864	-0.006	98	68814	0.5005	0.4771	
* 76 Chlorobenzene-d5	117	15.403	15.408	-0.005	84	2868394	10.0	10.0	
77 Chlorobenzene	112	15.440	15.445	-0.005	96	116796	0.5005	0.5074	
78 n-Nonane	57	15.504	15.504	0.000	74	52687	0.5005	0.4850	
79 Ethylbenzene	91	15.504	15.509	-0.005	97	176171	0.5005	0.5031	
80 m-Xylene & p-Xylene	106	15.648	15.653	-0.005	99	147587	1.00	1.01	
S 81 Xylenes, Total	106				0		1.50	1.50	
82 o-Xylene	106	16.155	16.160	-0.005	93	71143	0.5005	0.4966	
83 Styrene	104	16.182	16.187	-0.005	97	93555	0.5005	0.4280	
84 Bromoform	173	16.481	16.481	0.000	97	89386	0.5005	0.4884	
85 Isopropylbenzene	105	16.561	16.566	-0.005	95	216261	0.5005	0.4904	
$ 86 4-Bromofluorobenzene	95	16.822	16.828	-0.006	91	2187571	NC	NC	
87 1,1,2,2-Tetrachloroethane	83	16.977	16.977	0.000	94	89839	0.5005	0.5130	
88 N-Propylbenzene	91	17.036	17.041	-0.005	99	243818	0.5005	0.4944	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	17.062	17.068	-0.006	94	79723	0.5005	0.5194	
90 n-Decane	57	17.084	17.089	-0.005	80	69922	0.5005	0.4716	
91 4-Ethyltoluene	105	17.158	17.164	-0.006	98	224908	0.5005	0.4914	
92 2-Chlorotoluene	91	17.207	17.207	0.001	95	181712	0.5005	0.4952	
93 1,3,5-Trimethylbenzene	105	17.228	17.228	0.000	93	195783	0.5005	0.5088	
94 Alpha Methyl Styrene	118	17.505	17.505	0.000	90	41603	0.5005	0.2348	
95 tert-Butylbenzene	119	17.607	17.612	-0.005	94	195267	0.5005	0.5117	
96 1,2,4-Trimethylbenzene	105	17.682	17.681	0.001	97	197668	0.5005	0.5046	
97 sec-Butylbenzene	105	17.868	17.874	-0.006	98	277323	0.5005	0.5189	
98 4-Isopropyltoluene	119	18.023	18.028	-0.005	97	246995	0.5005	0.5183	
99 1,3-Dichlorobenzene	146	18.108	18.108	0.000	97	151369	0.5005	0.5129	
100 1,4-Dichlorobenzene	146	18.221	18.226	-0.005	96	148895	0.5005	0.5073	
101 Benzyl chloride	91	18.386	18.386	0.000	99	133023	0.5005	0.4643	
102 Undecane	57	18.487	18.487	0.000	85	79761	0.5005	0.4899	
103 n-Butylbenzene	91	18.541	18.546	-0.005	97	205205	0.5005	0.5202	
104 1,2-Dichlorobenzene	146	18.722	18.728	-0.006	97	144136	0.5005	0.5220	
106 Dodecane	57	19.976	19.982	-0.006	87	72086	0.5005	0.4315	
107 1,2,4-Trichlorobenzene	180	21.151	21.150	0.000	95	115291	0.5005	0.5453	
108 Hexachlorobutadiene	225	21.305	21.311	-0.006	91	98380	0.5005	0.5909	
109 Naphthalene	128	21.663	21.663	0.000	99	219940	0.5005	0.4703	
110 1,2,3-Trichlorobenzene	180	22.149	22.154	-0.006	96	113047	0.5005	0.5613	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL2w_00140	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

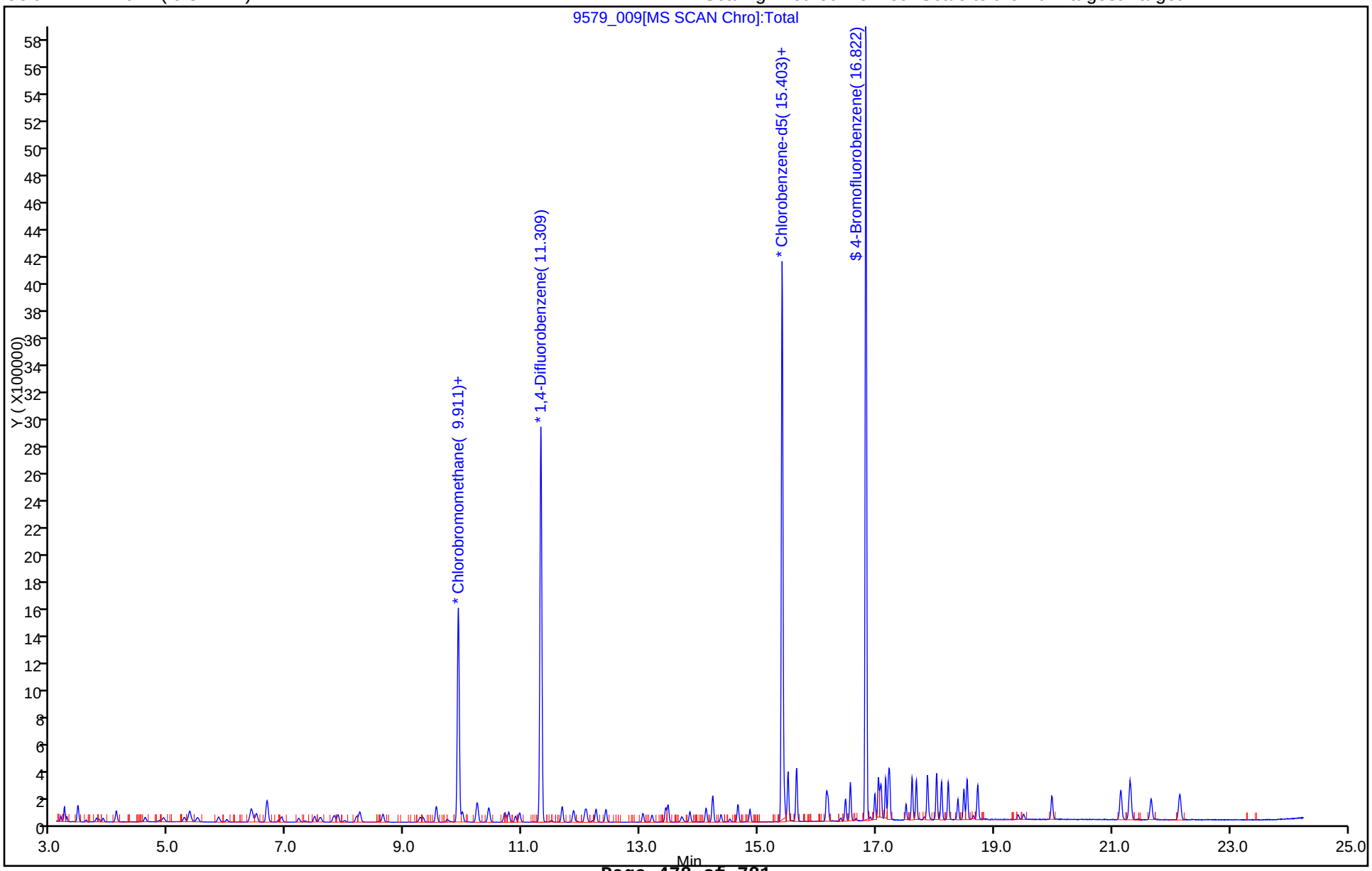
Report Date: 22-Sep-2014 10:28:03 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_009.D

Injection Date:	22-Sep-2014 01:41:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_010.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 22-Sep-2014 02:33:30 ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009579-010
Misc. Info.: ic-04
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 22-Sep-2014 10:28:04 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: daiglep Date: 22-Sep-2014 08:51:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
4 Propene	41	3.165	3.170	-0.005	95	147086	4.99	5.01	
5 Dichlorodifluoromethane	85	3.229	3.229	0.000	99	993134	4.99	5.22	
6 Chlorodifluoromethane	51	3.267	3.266	0.001	95	400360	4.99	5.19	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.453	3.459	-0.006	91	710260	4.99	5.09	
8 Chloromethane	50	3.592	3.597	-0.005	98	147016	4.99	5.03	
9 Butane	43	3.774	3.773	0.001	94	248266	4.99	5.09	
10 Vinyl chloride	62	3.816	3.816	0.000	98	206222	4.99	4.99	
11 Butadiene	54	3.886	3.886	0.000	93	142999	4.99	5.18	
13 BFB									
12 Bromomethane	94	4.601	4.601	0.000	98	283613	4.99	5.11	
14 Chloroethane	64	4.836	4.846	-0.010	99	124175	4.99	5.03	
15 2-Methylbutane	43	4.905	4.916	-0.011	84	188362	4.99	4.89	
16 Vinyl bromide	106	5.263	5.262	0.001	98	329762	4.99	5.12	
17 Trichlorofluoromethane	101	5.353	5.359	-0.006	98	1150782	4.99	5.23	
18 Pentane	43	5.487	5.492	-0.005	90	289720	4.99	5.01	
19 Ethanol	45	5.839	5.844	-0.005	97	113993	10.0	9.38	
21 Ethyl ether	59	5.978	5.983	-0.005	89	156322	4.99	5.08	
22 Acrolein	56	6.389	6.389	0.000	98	59607	4.99	5.00	
23 1,1,2-Trichloro-1,2,2-trif	101	6.405	6.405	0.000	96	693493	4.99	5.25	
24 1,1-Dichloroethene	96	6.479	6.485	-0.006	97	306566	4.99	5.17	
25 Acetone	43	6.661	6.666	-0.005	85	413468	4.99	5.23	
26 Isopropyl alcohol	45	6.864	6.869	-0.005	96	280610	4.99	5.19	
27 Carbon disulfide	76	6.912	6.917	-0.005	99	689403	4.99	5.06	
29 3-Chloro-1-propene	41	7.200	7.210	-0.010	76	211771	4.99	5.09	
30 Acetonitrile	41	7.307	7.312	-0.005	97	107667	4.99	5.13	
31 Methylene Chloride	49	7.472	7.477	-0.005	80	228307	4.99	4.97	
32 2-Methyl-2-propanol	59	7.568	7.573	-0.005	98	583080	4.99	5.17	
33 Methyl tert-butyl ether	73	7.798	7.803	-0.005	94	942105	4.99	5.19	
34 trans-1,2-Dichloroethene	61	7.867	7.872	-0.005	90	373475	4.99	5.16	
35 Acrylonitrile	53	7.984	7.984	0.000	92	126372	4.99	5.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	8.187	8.187	0.000	88	308485	4.99	5.05	
37 1,1-Dichloroethane	63	8.630	8.635	-0.005	98	470002	4.99	5.17	
38 Vinyl acetate	43	8.636	8.641	-0.005	98	464062	4.99	4.79	
* 44 Chlorobromomethane	128	9.911	8.691	1.220	68	656160	10.0	10.0	
40 2-Butanone (MEK)	72	9.532	9.537	-0.005	97	134497	4.99	4.63	
41 Ethyl acetate	88	9.538	9.543	-0.005	88	26609	4.99	5.04	
39 cis-1,2-Dichloroethene	96	9.538	9.543	-0.005	68	338838	4.99	5.22	
43 Tetrahydrofuran	42	9.906	9.911	-0.005	50	179309	4.99	5.02	
45 Chloroform	83	9.980	9.986	-0.006	99	750577	4.99	5.15	
S 42 1,2-Dichloroethene, Total	61				0		9.99	10.4	
46 Cyclohexane	84	10.231	10.231	0.000	83	417715	4.99	5.25	
47 1,1,1-Trichloroethane	97	10.231	10.236	-0.005	96	939062	4.99	5.31	
48 Carbon tetrachloride	117	10.429	10.429	0.000	98	1039855	4.99	5.33	
49 Isooctane	57	10.701	10.701	0.000	96	1054400	4.99	5.23	
50 Benzene	78	10.770	10.770	0.000	94	858737	4.99	5.12	
51 1,2-Dichloroethane	62	10.882	10.888	-0.006	98	527710	4.99	5.21	
52 n-Heptane	43	10.952	10.952	0.000	76	319735	4.99	5.26	
A 53 GRO	1	11.002	(4.906-17.099)		0	125638539	4.99	0	
* 54 1,4-Difluorobenzene	114	11.315	11.315	0.000	93	3131809	10.0	10.0	
56 n-Butanol	56	11.485	11.491	-0.006	85	122332	4.99	5.20	
57 Trichloroethene	95	11.672	11.677	-0.005	96	486023	4.99	5.58	
58 1,2-Dichloropropane	63	12.062	12.062	0.000	81	260863	4.99	5.14	
59 Methyl methacrylate	69	12.083	12.088	-0.005	89	288156	4.99	5.13	
60 1,4-Dioxane	88	12.179	12.184	-0.005	85	165925	4.99	5.53	
61 Dibromomethane	174	12.249	12.249	0.001	92	500791	4.99	5.34	
62 Dichlorobromomethane	83	12.414	12.419	-0.005	98	858957	4.99	5.31	
A 63 TVOC as Toluene	1	12.662	(3.160-22.164)		0	243418450	4.99	1544.6	
64 cis-1,3-Dichloropropene	75	13.044	13.049	-0.005	92	516418	4.99	5.24	
65 4-Methyl-2-pentanone (MIBK	43	13.193	13.198	-0.005	90	448520	4.99	5.10	
A 66 C8 Range	1	13.409	(13.378-13.458)		0	2653567	NC	NC	
67 n-Octane	43	13.428	13.428	0.000	74	451558	4.99	5.22	
68 Toluene	92	13.471	13.471	0.000	93	757149	4.99	5.29	
A 69 Toluene Range	1	13.486	(13.461-13.511)		0	3016359	NC	NC	
70 trans-1,3-Dichloropropene	75	13.844	13.839	0.005	96	604665	4.99	5.29	
71 1,1,2-Trichloroethane	83	14.117	14.116	0.001	91	333062	4.99	5.19	
72 Tetrachloroethene	166	14.229	14.229	0.001	97	789588	4.99	5.35	
73 2-Hexanone	43	14.367	14.367	0.000	91	464225	4.99	5.14	
74 Chlorodibromomethane	129	14.656	14.661	-0.005	97	1011857	4.99	5.38	
75 Ethylene Dibromide	107	14.858	14.864	-0.006	99	756617	4.99	5.29	
* 76 Chlorobenzene-d5	117	15.403	15.408	-0.005	84	2846080	10.0	10.0	
77 Chlorobenzene	112	15.445	15.445	0.000	98	1187094	4.99	5.20	
78 n-Nonane	57	15.504	15.504	0.000	62	559744	4.99	5.19	
79 Ethylbenzene	91	15.504	15.509	-0.005	97	1808770	4.99	5.21	
80 m-Xylene & p-Xylene	106	15.648	15.653	-0.005	100	1505936	9.99	10.4	
S 81 Xylenes, Total	106				0		15.0	15.7	
82 o-Xylene	106	16.161	16.160	0.001	94	757988	4.99	5.33	
83 Styrene	104	16.182	16.187	-0.005	96	1130403	4.99	5.21	
84 Bromoform	173	16.481	16.481	0.000	97	1009473	4.99	5.56	
85 Isopropylbenzene	105	16.561	16.566	-0.005	95	2344774	4.99	5.36	
$ 86 4-Bromofluorobenzene	95	16.828	16.828	0.000	91	2165847	NC	NC	
87 1,1,2,2-Tetrachloroethane	83	16.977	16.977	0.000	94	914412	4.99	5.26	
88 N-Propylbenzene	91	17.036	17.041	-0.005	99	2636201	4.99	5.39	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	17.063	17.068	-0.005	94	795786	4.99	5.22	
90 n-Decane	57	17.089	17.089	0.000	81	767183	4.99	5.22	
91 4-Ethyltoluene	105	17.164	17.164	0.000	99	2408940	4.99	5.30	
92 2-Chlorotoluene	91	17.207	17.207	0.001	97	1905620	4.99	5.23	
93 1,3,5-Trimethylbenzene	105	17.228	17.228	0.000	93	2059633	4.99	5.39	
94 Alpha Methyl Styrene	118	17.506	17.505	0.001	91	1017866	4.99	5.79	
95 tert-Butylbenzene	119	17.612	17.612	0.000	93	2058909	4.99	5.44	
96 1,2,4-Trimethylbenzene	105	17.682	17.681	0.001	97	2074753	4.99	5.34	
97 sec-Butylbenzene	105	17.868	17.874	-0.006	98	2877279	4.99	5.43	
98 4-Isopropyltoluene	119	18.029	18.028	0.001	97	2611201	4.99	5.52	
99 1,3-Dichlorobenzene	146	18.109	18.108	0.001	97	1457879	4.99	4.98	
100 1,4-Dichlorobenzene	146	18.226	18.226	0.000	96	1473086	4.99	5.06	
101 Benzyl chloride	91	18.386	18.386	0.000	99	1448315	4.99	5.10	
102 Undecane	57	18.488	18.487	0.001	86	879696	4.99	5.45	
103 n-Butylbenzene	91	18.541	18.546	-0.005	97	2124073	4.99	5.43	
104 1,2-Dichlorobenzene	146	18.722	18.728	-0.006	96	1416500	4.99	5.17	
106 Dodecane	57	19.982	19.982	0.000	88	838384	4.99	5.06	
107 1,2,4-Trichlorobenzene	180	21.151	21.150	0.001	95	1152774	4.99	5.50	
108 Hexachlorobutadiene	225	21.311	21.311	0.000	90	902415	4.99	5.46	
109 Naphthalene	128	21.663	21.663	0.000	99	2526934	4.99	5.45	
110 1,2,3-Trichlorobenzene	180	22.154	22.154	0.000	95	1043165	4.99	5.22	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL3w_00131	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

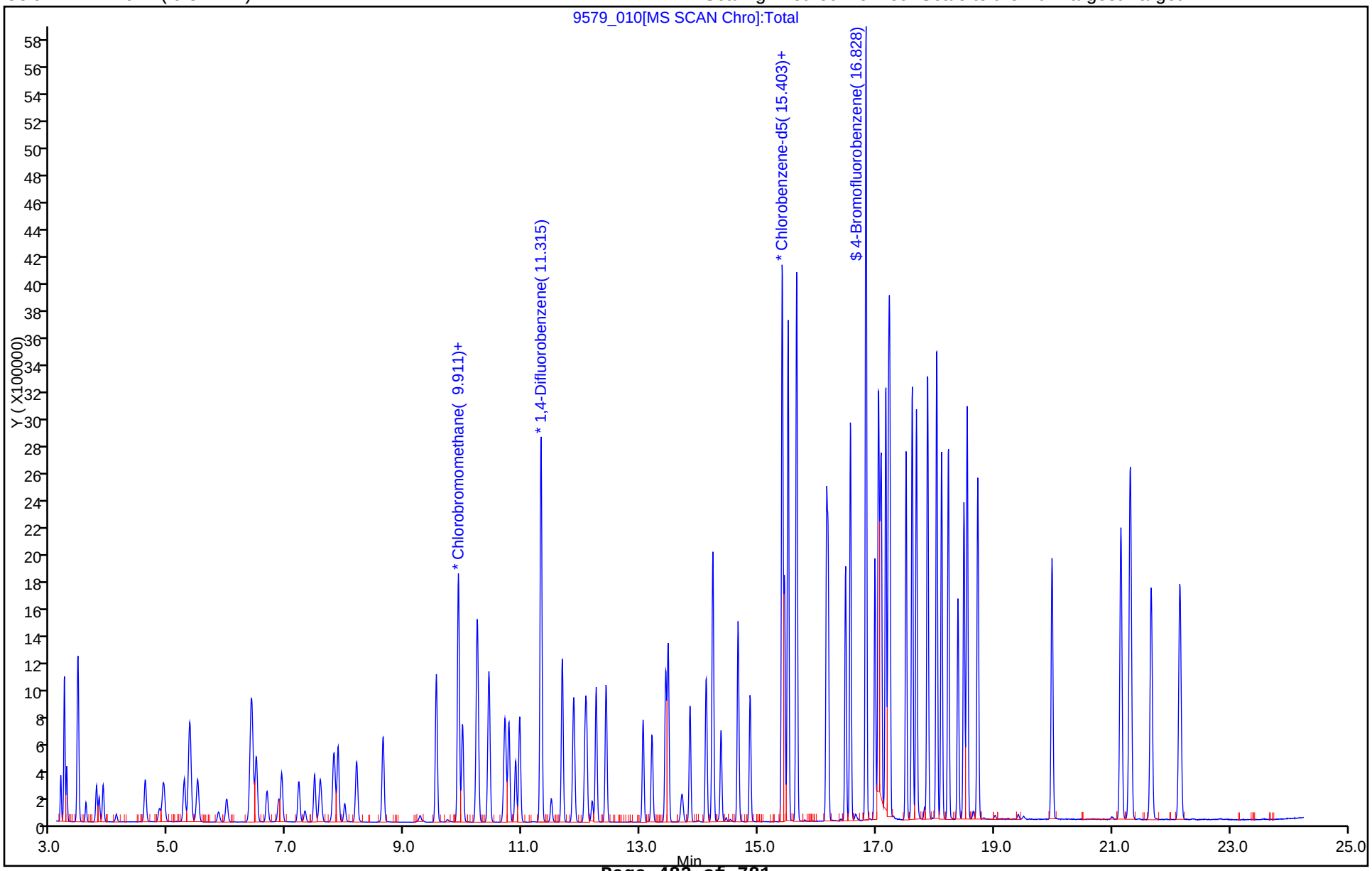
Report Date: 22-Sep-2014 10:28:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_010.D

Injection Date:	22-Sep-2014 02:33:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_011.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 22-Sep-2014 03:25:30 ALS Bottle#: 9 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009579-011
Misc. Info.: icis-05
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 22-Sep-2014 10:28:06 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: daiglep Date: 22-Sep-2014 08:23:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
4 Propene	41	3.170	3.170	0.000	96	298608	10.0	9.67	
5 Dichlorodifluoromethane	85	3.229	3.229	0.000	99	1973954	10.0	9.86	
6 Chlorodifluoromethane	51	3.266	3.266	0.000	95	794837	10.0	9.80	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.459	3.459	0.000	95	1448878	10.0	9.86	
8 Chloromethane	50	3.597	3.597	0.000	98	296824	10.0	9.66	
9 Butane	43	3.773	3.773	0.000	94	500471	10.0	9.75	
10 Vinyl chloride	62	3.816	3.816	0.000	98	419390	10.0	9.65	
11 Butadiene	54	3.886	3.886	0.000	94	282435	10.0	9.73	
13 BFB									
12 Bromomethane	94	4.601	4.601	0.000	98	565458	10.0	9.68	
14 Chloroethane	64	4.846	4.846	0.000	99	249707	10.0	9.63	
15 2-Methylbutane	43	4.916	4.916	0.000	84	379080	10.0	9.35	
16 Vinyl bromide	106	5.262	5.262	0.000	98	667332	10.0	9.85	
17 Trichlorofluoromethane	101	5.359	5.359	0.000	98	2290380	10.0	9.89	
18 Pentane	43	5.492	5.492	0.000	90	579637	10.0	9.53	
19 Ethanol	45	5.844	5.844	0.000	97	232255	15.0	18.2	
21 Ethyl ether	59	5.983	5.983	0.000	90	318949	10.0	9.86	
22 Acrolein	56	6.389	6.389	0.000	98	122290	10.0	9.75	
23 1,1,2-Trichloro-1,2,2-trif	101	6.405	6.405	0.000	96	1370387	10.0	9.87	
24 1,1-Dichloroethene	96	6.485	6.485	0.000	97	610960	10.0	9.79	
25 Acetone	43	6.666	6.666	0.000	85	784678	10.0	9.43	
26 Isopropyl alcohol	45	6.869	6.869	0.000	96	489376	10.0	8.60	
27 Carbon disulfide	76	6.917	6.917	0.000	99	1368045	10.0	9.54	
29 3-Chloro-1-propene	41	7.210	7.210	0.000	79	426978	10.0	9.76	
30 Acetonitrile	41	7.312	7.312	0.000	98	202216	10.0	9.17	
31 Methylene Chloride	49	7.477	7.477	0.000	80	451673	10.0	9.35	
32 2-Methyl-2-propanol	59	7.573	7.573	0.000	98	1060845	10.0	8.94	
33 Methyl tert-butyl ether	73	7.803	7.803	0.000	94	1910491	10.0	10.0	
34 trans-1,2-Dichloroethene	61	7.872	7.872	0.000	89	742013	10.0	9.75	
35 Acrylonitrile	53	7.984	7.984	0.000	93	253834	10.0	9.57	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	8.187	8.187	0.000	88	630968	10.0	9.82	
37 1,1-Dichloroethane	63	8.635	8.635	0.000	99	942337	10.0	9.86	
38 Vinyl acetate	43	8.641	8.641	0.000	98	963642	10.0	9.46	
* 44 Chlorobromomethane	128	9.916	9.916	0.000	68	690168	10.0	10.0	
40 2-Butanone (MEK)	72	9.537	9.537	0.000	97	272540	10.0	8.92	
41 Ethyl acetate	88	9.543	9.543	0.000	95	53704	10.0	9.68	
39 cis-1,2-Dichloroethene	96	9.543	9.543	0.000	97	682660	10.0	10.0	
43 Tetrahydrofuran	42	9.911	9.911	0.000	75	356269	10.0	9.32	
45 Chloroform	83	9.986	9.986	0.000	100	1501084	10.0	9.79	
S 42 1,2-Dichloroethene, Total	61				0		20.0	19.7	
46 Cyclohexane	84	10.231	10.231	0.000	82	863038	10.0	10.1	
47 1,1,1-Trichloroethane	97	10.236	10.236	0.000	95	1902070	10.0	10.1	
48 Carbon tetrachloride	117	10.429	10.429	0.000	98	2115341	10.0	10.1	
49 Isooctane	57	10.701	10.701	0.000	96	2176537	10.0	10.1	
50 Benzene	78	10.770	10.770	0.000	94	1766023	10.0	9.83	
51 1,2-Dichloroethane	62	10.888	10.888	0.000	98	1079261	10.0	9.95	
52 n-Heptane	43	10.952	10.952	0.000	75	655812	10.0	10.1	
A 53 GRO	1	11.002	(4.906-17.099)		0	251552349	10.0	0	
* 54 1,4-Difluorobenzene	114	11.315	11.315	0.000	92	3353097	10.0	10.0	
56 n-Butanol	56	11.491	11.491	0.000	86	200902	10.0	7.98	
57 Trichloroethene	95	11.677	11.677	0.000	96	983122	10.0	10.5	
58 1,2-Dichloropropane	63	12.062	12.062	0.000	82	535344	10.0	9.85	
59 Methyl methacrylate	69	12.088	12.088	0.000	87	596058	10.0	9.92	
60 1,4-Dioxane	88	12.184	12.184	0.000	86	270250	10.0	8.41	
61 Dibromomethane	174	12.249	12.249	0.000	93	1010678	10.0	10.1	
62 Dichlorobromomethane	83	12.419	12.419	0.000	98	1759617	10.0	10.2	
A 63 TVOC as Toluene	1	12.662	(3.160-22.164)		0	478526909	10.0	2836.1	
64 cis-1,3-Dichloropropene	75	13.049	13.049	0.000	92	1087867	10.0	10.3	
65 4-Methyl-2-pentanone (MIBK	43	13.198	13.198	0.000	89	926131	10.0	9.84	
A 66 C8 Range	1	13.409	(13.378-13.458)		0	5186243	NC	NC	
67 n-Octane	43	13.428	13.428	0.000	75	925614	10.0	10.0	
68 Toluene	92	13.471	13.471	0.000	93	1518678	10.0	9.94	
A 69 Toluene Range	1	13.486	(13.461-13.511)		0	6172298	NC	NC	
70 trans-1,3-Dichloropropene	75	13.839	13.839	0.000	96	1262104	10.0	10.3	
71 1,1,2-Trichloroethane	83	14.116	14.116	0.000	91	684990	10.0	10.0	
72 Tetrachloroethene	166	14.229	14.229	0.000	97	1600647	10.0	10.2	
73 2-Hexanone	43	14.367	14.367	0.000	91	923785	10.0	9.58	
74 Chlorodibromomethane	129	14.661	14.661	0.000	97	2090146	10.0	10.4	
75 Ethylene Dibromide	107	14.864	14.864	0.000	99	1553941	10.0	10.2	
* 76 Chlorobenzene-d5	117	15.408	15.408	0.000	84	3035530	10.0	10.0	
77 Chlorobenzene	112	15.445	15.445	0.000	97	2388390	10.0	9.80	
78 n-Nonane	57	15.504	15.504	0.000	62	1128450	10.0	9.82	
79 Ethylbenzene	91	15.509	15.509	0.000	97	3623994	10.0	9.78	
80 m-Xylene & p-Xylene	106	15.653	15.653	0.000	100	3011026	20.0	19.4	
S 81 Xylenes, Total	106				0		30.0	29.3	
82 o-Xylene	106	16.160	16.160	0.000	93	1501139	10.0	9.90	
83 Styrene	104	16.187	16.187	0.000	96	2283397	10.0	9.87	
84 Bromoform	173	16.481	16.481	0.000	97	2025680	10.0	10.5	
85 Isopropylbenzene	105	16.566	16.566	0.000	95	4759973	10.0	10.2	
$ 86 4-Bromofluorobenzene	95	16.828	16.828	0.000	91	2302203	NC	NC	
87 1,1,2,2-Tetrachloroethane	83	16.977	16.977	0.000	94	1832514	10.0	9.89	
88 N-Propylbenzene	91	17.041	17.041	0.000	99	5299318	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	17.068	17.068	0.000	93	1574790	10.0	9.69	
90 n-Decane	57	17.089	17.089	0.000	82	1546329	10.0	9.86	
91 4-Ethyltoluene	105	17.164	17.164	0.000	99	4819699	10.0	9.95	
92 2-Chlorotoluene	91	17.207	17.207	0.000	97	3742319	10.0	9.64	
93 1,3,5-Trimethylbenzene	105	17.228	17.228	0.000	92	4148869	10.0	10.2	
94 Alpha Methyl Styrene	118	17.505	17.505	0.000	91	2047160	10.0	10.9	
95 tert-Butylbenzene	119	17.612	17.612	0.000	95	4060637	10.0	10.1	
96 1,2,4-Trimethylbenzene	105	17.681	17.681	0.000	97	4122575	10.0	9.94	
97 sec-Butylbenzene	105	17.874	17.874	0.000	98	5748483	10.0	10.2	
98 4-Isopropyltoluene	119	18.028	18.028	0.000	97	5202289	10.0	10.3	
99 1,3-Dichlorobenzene	146	18.108	18.108	0.000	97	2906719	10.0	9.31	
100 1,4-Dichlorobenzene	146	18.226	18.226	0.000	96	2948813	10.0	9.49	
101 Benzyl chloride	91	18.386	18.386	0.000	99	3012198	10.0	9.94	
102 Undecane	57	18.487	18.487	0.000	87	1614449	10.0	9.37	
103 n-Butylbenzene	91	18.546	18.546	0.000	97	4199961	10.0	10.1	
104 1,2-Dichlorobenzene	146	18.728	18.728	0.000	97	2802250	10.0	9.59	
106 Dodecane	57	19.982	19.982	0.000	91	1587782	10.0	8.98	
107 1,2,4-Trichlorobenzene	180	21.150	21.150	0.000	95	1996508	10.0	8.92	
108 Hexachlorobutadiene	225	21.311	21.311	0.000	93	1630240	10.0	9.25	
109 Naphthalene	128	21.663	21.663	0.000	99	4282114	10.0	8.65	
110 1,2,3-Trichlorobenzene	180	22.154	22.154	0.000	96	1955579	10.0	9.17	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00388	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

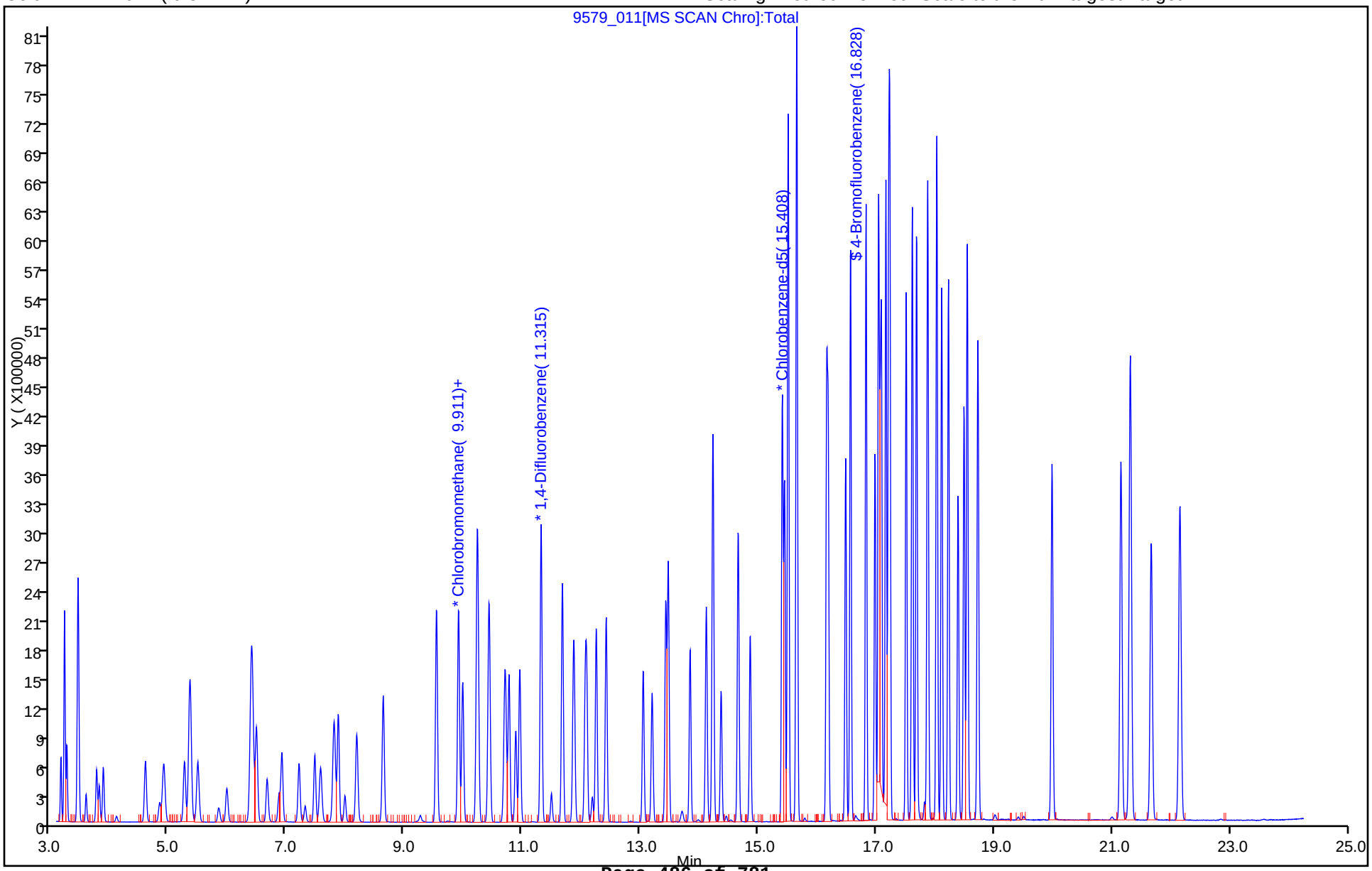
Report Date: 22-Sep-2014 10:28:06 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_011.D

Injection Date:	22-Sep-2014 03:25:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	icis			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_012.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 22-Sep-2014 04:17:30 ALS Bottle#: 10 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009579-012
Misc. Info.: ic-06
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 22-Sep-2014 10:28:08 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: daiglep Date: 22-Sep-2014 08:53:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
4 Propene	41	3.165	3.170	-0.005	95	472051	15.0	15.3	
5 Dichlorodifluoromethane	85	3.229	3.229	0.000	99	3060271	15.0	15.3	
6 Chlorodifluoromethane	51	3.267	3.266	0.001	96	1250691	15.0	15.4	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.453	3.459	-0.006	92	2272561	15.0	15.5	
8 Chloromethane	50	3.592	3.597	-0.005	98	474350	15.0	15.4	
9 Butane	43	3.774	3.773	0.001	95	786878	15.0	15.3	
10 Vinyl chloride	62	3.816	3.816	0.000	98	662931	15.0	15.3	
11 Butadiene	54	3.886	3.886	0.000	93	455145	15.0	15.7	
13 BFB									
12 Bromomethane	94	4.601	4.601	0.000	98	892339	15.0	15.3	
14 Chloroethane	64	4.841	4.846	-0.005	99	390880	15.0	15.1	
15 2-Methylbutane	43	4.905	4.916	-0.011	85	618215	15.0	15.3	
16 Vinyl bromide	106	5.263	5.262	0.001	98	1040108	15.0	15.4	
17 Trichlorofluoromethane	101	5.353	5.359	-0.006	98	3509883	15.0	15.2	
18 Pentane	43	5.487	5.492	-0.005	92	923011	15.0	15.2	
19 Ethanol	45	5.844	5.844	0.000	98	254044	20.0	19.9	
21 Ethyl ether	59	5.983	5.983	0.000	90	501642	15.0	15.5	
22 Acrolein	56	6.383	6.389	-0.006	97	183499	15.0	14.6	
23 1,1,2-Trichloro-1,2,2-trif	101	6.405	6.405	0.000	96	2119173	15.0	15.3	
24 1,1-Dichloroethene	96	6.485	6.485	0.000	97	971116	15.0	15.6	
25 Acetone	43	6.666	6.666	0.000	85	1317574	15.0	15.8	
26 Isopropyl alcohol	45	6.869	6.869	0.000	97	922813	15.0	16.2	
27 Carbon disulfide	76	6.917	6.917	0.000	99	2186069	15.0	15.3	
29 3-Chloro-1-propene	41	7.205	7.210	-0.005	79	694235	15.0	15.9	
30 Acetonitrile	41	7.312	7.312	0.000	96	343596	15.0	15.6	
31 Methylene Chloride	49	7.472	7.477	-0.005	80	713722	15.0	14.8	
32 2-Methyl-2-propanol	59	7.573	7.573	0.000	98	1880400	15.0	15.9	
33 Methyl tert-butyl ether	73	7.803	7.803	0.000	94	3065123	15.0	16.1	
34 trans-1,2-Dichloroethene	61	7.872	7.872	0.000	89	1202024	15.0	15.8	
35 Acrylonitrile	53	7.984	7.984	0.000	91	419281	15.0	15.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	8.187	8.187	0.000	88	1023549	15.0	15.9	
37 1,1-Dichloroethane	63	8.630	8.635	-0.005	99	1509982	15.0	15.8	
38 Vinyl acetate	43	8.641	8.641	0.000	98	1586270	15.0	15.6	
* 44 Chlorobromomethane	128	9.916	9.916	0.000	76	689743	10.0	10.0	
40 2-Butanone (MEK)	72	9.537	9.537	0.000	97	452542	15.0	14.8	
41 Ethyl acetate	88	9.537	9.543	-0.006	95	85920	15.0	15.5	
39 cis-1,2-Dichloroethene	96	9.543	9.543	0.000	92	1083253	15.0	15.9	
43 Tetrahydrofuran	42	9.911	9.911	0.000	83	595034	15.0	15.5	
45 Chloroform	83	9.986	9.986	0.000	100	2389919	15.0	15.6	
S 42 1,2-Dichloroethene, Total	61				0		30.0	31.7	
46 Cyclohexane	84	10.231	10.231	0.000	82	1365850	15.0	16.0	
47 1,1,1-Trichloroethane	97	10.237	10.236	0.001	96	2976967	15.0	15.6	
48 Carbon tetrachloride	117	10.434	10.429	0.005	97	3310902	15.0	15.8	
49 Isooctane	57	10.706	10.701	0.005	97	3532201	15.0	16.3	
50 Benzene	78	10.770	10.770	0.000	94	2795856	15.0	15.5	
51 1,2-Dichloroethane	62	10.888	10.888	0.000	98	1708844	15.0	15.7	
52 n-Heptane	43	10.952	10.952	0.000	75	1067435	15.0	16.3	
A 53 GRO	1	11.002	(4.906-17.099)		0	400226242	15.0	0	
* 54 1,4-Difluorobenzene	114	11.315	11.315	0.000	93	3370722	10.0	10.0	
56 n-Butanol	56	11.491	11.491	0.000	84	415866	15.0	16.4	
57 Trichloroethene	95	11.678	11.677	0.001	96	1569449	15.0	16.7	
58 1,2-Dichloropropane	63	12.067	12.062	0.005	83	864348	15.0	15.8	
59 Methyl methacrylate	69	12.088	12.088	0.000	89	964819	15.0	16.0	
60 1,4-Dioxane	88	12.185	12.184	0.001	86	532174	15.0	16.5	
61 Dibromomethane	174	12.254	12.249	0.006	93	1555959	15.0	15.4	
62 Dichlorobromomethane	83	12.419	12.419	0.000	98	2804028	15.0	16.1	
A 63 TVOC as Toluene	1	12.662	(3.160-22.164)		0	763377055	15.0	4500.6	
64 cis-1,3-Dichloropropene	75	13.049	13.049	0.000	92	1753757	15.0	16.5	
65 4-Methyl-2-pentanone (MIBK	43	13.199	13.198	0.001	93	1540723	15.0	16.3	
A 66 C8 Range	1	13.411	(13.378-13.458)		0	8087880	NC	NC	
67 n-Octane	43	13.428	13.428	0.000	75	1492210	15.0	16.0	
68 Toluene	92	13.471	13.471	0.000	93	2400941	15.0	15.7	
A 69 Toluene Range	1	13.486	(13.461-13.511)		0	9109845	NC	NC	
70 trans-1,3-Dichloropropene	75	13.844	13.839	0.005	96	2030919	15.0	16.5	
71 1,1,2-Trichloroethane	83	14.117	14.116	0.000	91	1088718	15.0	15.9	
72 Tetrachloroethene	166	14.234	14.229	0.006	96	2448921	15.0	15.5	
73 2-Hexanone	43	14.367	14.367	0.000	91	1556507	15.0	16.1	
74 Chlorodibromomethane	129	14.661	14.661	0.000	97	3271029	15.0	16.2	
75 Ethylene Dibromide	107	14.864	14.864	0.000	99	2476997	15.0	16.2	
* 76 Chlorobenzene-d5	117	15.408	15.408	0.000	84	3043903	10.0	10.0	
77 Chlorobenzene	112	15.445	15.445	0.000	97	3762706	15.0	15.4	
78 n-Nonane	57	15.504	15.504	0.000	63	1808654	15.0	15.7	
79 Ethylbenzene	91	15.509	15.509	0.000	97	5724077	15.0	15.4	
80 m-Xylene & p-Xylene	106	15.654	15.653	0.001	100	4719246	30.0	30.4	
S 81 Xylenes, Total	106				0		45.0	45.8	
82 o-Xylene	106	16.161	16.160	0.001	94	2354501	15.0	15.5	
83 Styrene	104	16.187	16.187	0.000	96	3626132	15.0	15.6	
84 Bromoform	173	16.481	16.481	0.000	96	3099248	15.0	16.0	
85 Isopropylbenzene	105	16.566	16.566	0.000	95	7588487	15.0	16.2	
$ 86 4-Bromofluorobenzene	95	16.828	16.828	0.000	90	2345577	NC	NC	
87 1,1,2,2-Tetrachloroethane	83	16.982	16.977	0.005	95	2919953	15.0	15.7	
88 N-Propylbenzene	91	17.041	17.041	0.000	100	8461722	15.0	16.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	17.068	17.068	0.000	95	2501734	15.0	15.4	
90 n-Decane	57	17.089	17.089	0.000	83	2503663	15.0	15.9	
91 4-Ethyltoluene	105	17.164	17.164	0.000	98	7660154	15.0	15.8	
92 2-Chlorotoluene	91	17.212	17.207	0.006	97	5991927	15.0	15.4	
93 1,3,5-Trimethylbenzene	105	17.233	17.228	0.005	92	6589335	15.0	16.1	
94 Alpha Methyl Styrene	118	17.511	17.505	0.006	91	3283364	15.0	17.5	
95 tert-Butylbenzene	119	17.612	17.612	0.000	93	6390127	15.0	15.8	
96 1,2,4-Trimethylbenzene	105	17.687	17.681	0.006	97	6582539	15.0	15.8	
97 sec-Butylbenzene	105	17.874	17.874	0.000	98	9087772	15.0	16.0	
98 4-Isopropyltoluene	119	18.028	18.028	0.000	97	8191987	15.0	16.2	
99 1,3-Dichlorobenzene	146	18.114	18.108	0.006	96	4586853	15.0	14.6	
100 1,4-Dichlorobenzene	146	18.226	18.226	0.000	96	4652061	15.0	14.9	
101 Benzyl chloride	91	18.391	18.386	0.005	99	4974251	15.0	16.4	
102 Undecane	57	18.493	18.487	0.006	87	2485223	15.0	14.4	
103 n-Butylbenzene	91	18.546	18.546	0.000	97	6590084	15.0	15.7	
104 1,2-Dichlorobenzene	146	18.728	18.728	0.000	96	4394555	15.0	15.0	
106 Dodecane	57	19.982	19.982	0.000	88	2771105	15.0	15.6	
107 1,2,4-Trichlorobenzene	180	21.156	21.150	0.006	93	3352753	15.0	14.9	
108 Hexachlorobutadiene	225	21.311	21.311	0.000	91	2550075	15.0	14.4	
109 Naphthalene	128	21.668	21.663	0.005	99	7605550	15.0	15.3	
110 1,2,3-Trichlorobenzene	180	22.154	22.154	0.000	96	3255841	15.0	15.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL5w_00047	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

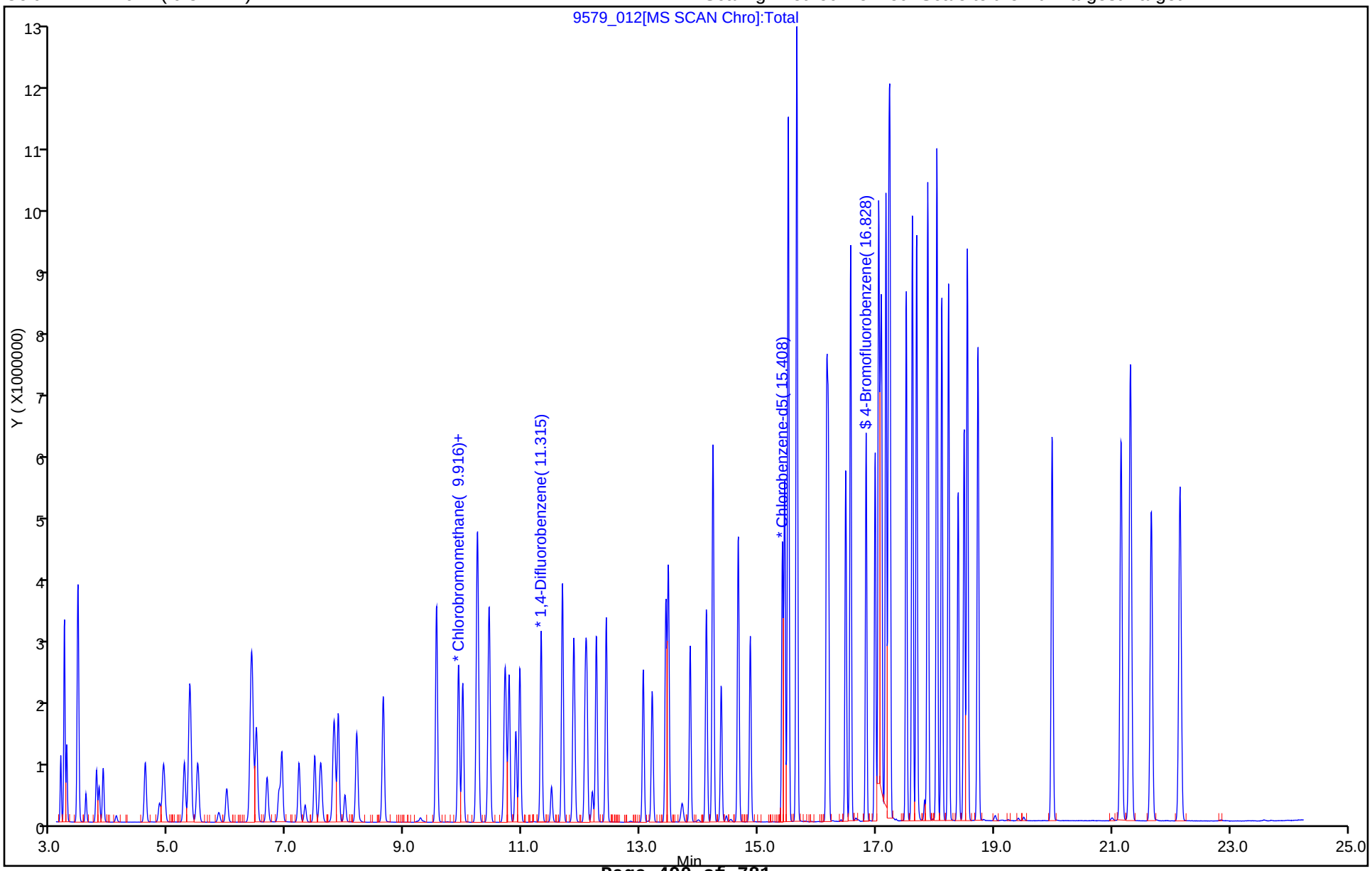
Report Date: 22-Sep-2014 10:28:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_012.D

Injection Date:	22-Sep-2014 04:17:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_013.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 22-Sep-2014 05:09:30 ALS Bottle#: 11 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009579-013
Misc. Info.: ic-07
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 22-Sep-2014 10:28:10 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: daiglep Date: 22-Sep-2014 08:54:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
4 Propene	41	3.170	3.170	0.000	96	638730	20.0	19.9	
5 Dichlorodifluoromethane	85	3.229	3.229	0.000	99	4149122	20.0	20.0	
6 Chlorodifluoromethane	51	3.266	3.266	0.000	95	1693298	20.0	20.1	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.459	3.459	0.000	93	3124818	20.0	20.5	
8 Chloromethane	50	3.597	3.597	0.000	98	641856	20.0	20.1	
9 Butane	43	3.773	3.773	0.000	94	1075811	20.0	20.2	
10 Vinyl chloride	62	3.821	3.816	0.005	98	907751	20.0	20.1	
11 Butadiene	54	3.885	3.886	-0.001	94	623379	20.0	20.7	
13 BFB									
12 Bromomethane	94	4.601	4.601	0.000	98	1221720	20.0	20.2	
14 Chloroethane	64	4.846	4.846	0.000	99	544872	20.0	20.3	
15 2-Methylbutane	43	4.910	4.916	-0.006	85	844854	20.0	20.1	
16 Vinyl bromide	106	5.262	5.262	0.000	98	1423547	20.0	20.3	
17 Trichlorofluoromethane	101	5.358	5.359	-0.001	98	4800573	20.0	20.0	
18 Pentane	43	5.497	5.492	0.005	91	1261574	20.0	20.0	
19 Ethanol	45	5.855	5.844	0.011	98	515770	40.0	38.9	
21 Ethyl ether	59	5.983	5.983	0.000	89	704790	20.0	21.0	
22 Acrolein	56	6.394	6.389	0.005	98	263486	20.0	20.3	
23 1,1,2-Trichloro-1,2,2-trif	101	6.410	6.405	0.005	97	2934631	20.0	20.4	
24 1,1-Dichloroethene	96	6.490	6.485	0.005	97	1339359	20.0	20.7	
25 Acetone	43	6.671	6.666	0.005	85	1768090	20.0	20.5	
26 Isopropyl alcohol	45	6.874	6.869	0.005	97	1151970	20.0	19.5	
27 Carbon disulfide	76	6.917	6.917	0.000	99	3070527	20.0	20.7	
29 3-Chloro-1-propene	41	7.210	7.210	0.000	76	978292	20.0	21.6	
30 Acetonitrile	41	7.312	7.312	0.000	97	461795	20.0	20.2	
31 Methylene Chloride	49	7.477	7.477	0.000	81	988390	20.0	19.7	
32 2-Methyl-2-propanol	59	7.579	7.573	0.006	98	2420457	20.0	19.7	
33 Methyl tert-butyl ether	73	7.803	7.803	0.000	94	4264746	20.0	21.5	
34 trans-1,2-Dichloroethene	61	7.877	7.872	0.005	90	1659782	20.0	21.0	
35 Acrylonitrile	53	7.990	7.984	0.006	92	582215	20.0	21.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	8.192	8.187	0.005	88	1416968	20.0	21.3	
37 1,1-Dichloroethane	63	8.635	8.635	0.000	99	2061718	20.0	20.8	
38 Vinyl acetate	43	8.641	8.641	0.000	98	2197714	20.0	20.8	
40 2-Butanone (MEK)	72	9.543	9.537	0.006	97	594547	20.0	18.8	
41 Ethyl acetate	88	9.543	9.543	0.000	88	116191	20.0	20.2	
39 cis-1,2-Dichloroethene	96	9.543	9.543	0.000	66	1481551	20.0	20.9	
43 Tetrahydrofuran	42	9.911	9.911	0.000	80	818231	20.0	20.3	
* 44 Chlorobromomethane	128	9.916	9.916	0.000	74	715601	10.0	10.0	
45 Chloroform	83	9.986	9.986	0.000	100	3264541	20.0	20.5	
S 42 1,2-Dichloroethene, Total	61				0		40.0	42.0	
46 Cyclohexane	84	10.231	10.231	0.000	83	1885291	20.0	21.0	
47 1,1,1-Trichloroethane	97	10.236	10.236	0.000	96	4061675	20.0	20.4	
48 Carbon tetrachloride	117	10.434	10.429	0.005	97	4517993	20.0	20.5	
49 Isooctane	57	10.706	10.701	0.005	97	4949960	20.0	21.8	
50 Benzene	78	10.775	10.770	0.005	95	3876086	20.0	20.5	
51 1,2-Dichloroethane	62	10.888	10.888	0.000	98	2334094	20.0	20.4	
52 n-Heptane	43	10.957	10.952	0.005	76	1490540	20.0	21.8	
A 53 GRO	1	11.002	(4.906-17.099)		0	547044531	20.0	0	
* 54 1,4-Difluorobenzene	114	11.314	11.315	-0.001	93	3529052	10.0	10.0	
56 n-Butanol	56	11.491	11.491	0.000	84	525180	20.0	19.8	
57 Trichloroethene	95	11.677	11.677	0.000	96	2145075	20.0	21.8	
58 1,2-Dichloropropane	63	12.067	12.062	0.005	81	1194006	20.0	20.9	
59 Methyl methacrylate	69	12.094	12.088	0.006	89	1330316	20.0	21.0	
60 1,4-Dioxane	88	12.184	12.184	0.000	86	631537	20.0	18.7	
61 Dibromomethane	174	12.254	12.249	0.006	94	2113153	20.0	20.0	
62 Dichlorobromomethane	83	12.419	12.419	0.000	98	3848522	20.0	21.1	
A 63 TVOC as Toluene	1	12.662	(3.160-22.164)		0	1044957046	20.0	5884.3	
64 cis-1,3-Dichloropropene	75	13.049	13.049	0.000	93	2446176	20.0	22.0	
65 4-Methyl-2-pentanone (MIBK	43	13.198	13.198	0.000	90	2110231	20.0	21.3	
A 66 C8 Range	1	13.411	(13.378-13.458)		0	10944932	NC	NC	
67 n-Octane	43	13.433	13.428	0.005	76	2090813	20.0	21.4	
68 Toluene	92	13.476	13.471	0.005	93	3304825	20.0	20.5	
A 69 Toluene Range	1	13.486	(13.461-13.511)		0	12755518	NC	NC	
70 trans-1,3-Dichloropropene	75	13.844	13.839	0.005	96	2811254	20.0	21.8	
71 1,1,2-Trichloroethane	83	14.116	14.116	0.000	91	1493425	20.0	20.7	
72 Tetrachloroethene	166	14.234	14.229	0.006	96	3321094	20.0	20.0	
73 2-Hexanone	43	14.373	14.367	0.006	91	2138914	20.0	21.1	
74 Chlorodibromomethane	129	14.661	14.661	0.000	97	4461136	20.0	21.1	
75 Ethylene Dibromide	107	14.864	14.864	0.000	99	3368653	20.0	20.9	
* 76 Chlorobenzene-d5	117	15.408	15.408	0.000	84	3198628	10.0	10.0	
77 Chlorobenzene	112	15.445	15.445	0.000	97	5182710	20.0	20.2	
78 n-Nonane	57	15.509	15.504	0.005	63	2535947	20.0	20.9	
79 Ethylbenzene	91	15.509	15.509	0.000	97	7862821	20.0	20.1	
80 m-Xylene & p-Xylene	106	15.653	15.653	0.000	99	6523454	40.0	39.9	
S 81 Xylenes, Total	106				0		60.0	60.0	
82 o-Xylene	106	16.160	16.160	0.000	94	3214036	20.0	20.1	
83 Styrene	104	16.187	16.187	0.000	96	5000256	20.0	20.5	
84 Bromoform	173	16.481	16.481	0.000	96	4192305	20.0	20.5	
85 Isopropylbenzene	105	16.566	16.566	0.000	95	10443658	20.0	21.2	
$ 86 4-Bromofluorobenzene	95	16.827	16.828	-0.001	90	2440531	NC	NC	
87 1,1,2,2-Tetrachloroethane	83	16.982	16.977	0.005	95	4009290	20.0	20.5	
88 N-Propylbenzene	91	17.041	17.041	0.000	99	11598138	20.0	21.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	17.068	17.068	0.000	95	3401568	20.0	19.9	
90 n-Decane	57	17.089	17.089	0.000	84	3387142	20.0	20.5	
91 4-Ethyltoluene	105	17.164	17.164	0.000	98	10593298	20.0	20.8	
92 2-Chlorotoluene	91	17.212	17.207	0.006	96	8293319	20.0	20.3	
93 1,3,5-Trimethylbenzene	105	17.233	17.228	0.005	92	8934517	20.0	20.8	
94 Alpha Methyl Styrene	118	17.511	17.505	0.006	91	4346927	20.0	22.0	
95 tert-Butylbenzene	119	17.612	17.612	0.000	93	8682718	20.0	20.4	
96 1,2,4-Trimethylbenzene	105	17.687	17.681	0.006	97	8929400	20.0	20.4	
97 sec-Butylbenzene	105	17.874	17.874	0.000	98	12157817	20.0	20.4	
98 4-Isopropyltoluene	119	18.028	18.028	0.000	97	10469807	20.0	19.7	
99 1,3-Dichlorobenzene	146	18.114	18.108	0.006	97	6187242	20.0	18.8	
100 1,4-Dichlorobenzene	146	18.226	18.226	0.000	96	6222068	20.0	19.0	
101 Benzyl chloride	91	18.391	18.386	0.005	99	6635541	20.0	20.8	
102 Undecane	57	18.493	18.487	0.006	87	3648887	20.0	20.1	
103 n-Butylbenzene	91	18.546	18.546	0.000	97	8142028	20.0	18.5	
104 1,2-Dichlorobenzene	146	18.727	18.728	-0.001	96	5684578	20.0	18.5	
106 Dodecane	57	19.982	19.982	0.000	88	4015402	20.0	21.6	
107 1,2,4-Trichlorobenzene	180	21.156	21.150	0.006	94	4997276	20.0	21.2	
108 Hexachlorobutadiene	225	21.316	21.311	0.005	93	3596075	20.0	19.4	
109 Naphthalene	128	21.668	21.663	0.005	99	12139164	20.0	23.3	
110 1,2,3-Trichlorobenzene	180	22.154	22.154	0.000	96	4787519	20.0	21.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL6w_00093	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

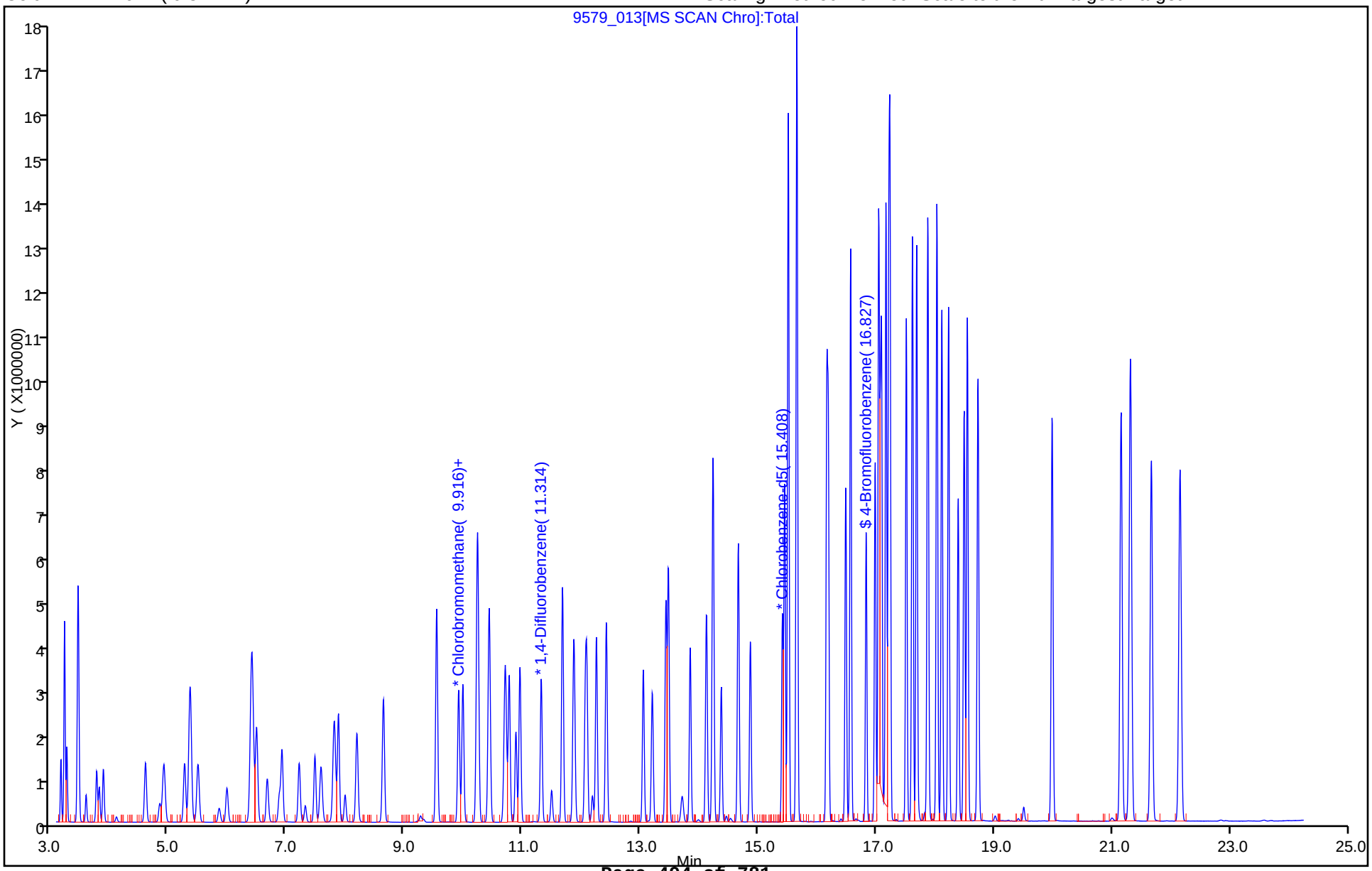
Report Date: 22-Sep-2014 10:28:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_013.D

Injection Date:	22-Sep-2014 05:09:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 22-Sep-2014 06:01:30 ALS Bottle#: 12 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009579-014
Misc. Info.: ic-08
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 22-Sep-2014 10:28:12 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: daiglep Date: 22-Sep-2014 10:22:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
4 Propene	41	3.165	3.170	-0.005	95	1276731	40.0	38.3	
5 Dichlorodifluoromethane	85	3.229	3.229	0.000	99	8140229	40.0	37.6	
6 Chlorodifluoromethane	51	3.267	3.266	0.001	96	3354979	40.0	38.3	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.459	3.459	0.000	96	6240110	40.0	39.3	
8 Chloromethane	50	3.592	3.597	-0.005	98	1308600	40.0	39.4	
9 Butane	43	3.774	3.773	0.001	95	2197120	40.0	39.6	
10 Vinyl chloride	62	3.816	3.816	0.000	98	1829309	40.0	39.0	
11 Butadiene	54	3.886	3.886	0.000	93	1263316	40.0	40.3	
13 BFB									
12 Bromomethane	94	4.601	4.601	0.000	98	2399286	40.0	38.0	
14 Chloroethane	64	4.841	4.846	-0.005	99	1092308	40.0	39.0	
15 2-Methylbutane	43	4.916	4.916	0.000	85	1726783	40.0	39.4	
16 Vinyl bromide	106	5.263	5.262	0.001	98	2819963	40.0	38.5	
17 Trichlorofluoromethane	101	5.359	5.359	0.000	98	9408562	40.0	37.6	
18 Pentane	43	5.492	5.492	0.000	92	2565615	40.0	39.1	
19 Ethanol	45	5.860	5.844	0.016	98	1324044	100.0	95.9	
21 Ethyl ether	59	5.983	5.983	0.000	90	1431438	40.0	41.0	
22 Acrolein	56	6.389	6.389	0.000	98	560625	40.0	41.4	
23 1,1,2-Trichloro-1,2,2-trif	101	6.410	6.405	0.005	98	5750568	40.0	38.3	
24 1,1-Dichloroethene	96	6.490	6.485	0.005	97	2673891	40.0	39.6	
25 Acetone	43	6.671	6.666	0.005	85	3337929	40.0	37.1	
26 Isopropyl alcohol	45	6.885	6.869	0.016	97	2566434	40.0	41.7	
27 Carbon disulfide	76	6.917	6.917	0.000	99	6042774	40.0	39.0	
29 3-Chloro-1-propene	41	7.211	7.210	0.000	77	1999003	40.0	42.3	
30 Acetonitrile	41	7.317	7.312	0.005	96	959946	40.0	40.3	
31 Methylene Chloride	49	7.477	7.477	0.000	81	1986418	40.0	38.1	
32 2-Methyl-2-propanol	59	7.589	7.573	0.016	98	5276295	40.0	41.2	
33 Methyl tert-butyl ether	73	7.808	7.803	0.005	94	8653227	40.0	41.9	
34 trans-1,2-Dichloroethene	61	7.878	7.872	0.006	90	3374829	40.0	41.0	
35 Acrylonitrile	53	7.990	7.984	0.006	92	1210445	40.0	42.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	8.187	8.187	0.000	88	2892628	40.0	41.6	
37 1,1-Dichloroethane	63	8.635	8.635	0.000	99	4122799	40.0	39.9	
38 Vinyl acetate	43	8.646	8.641	0.005	98	4471978	40.0	40.6	
40 2-Butanone (MEK)	72	9.548	9.537	0.011	97	1191729	40.0	36.1	
41 Ethyl acetate	88	9.548	9.543	0.005	89	234846	40.0	39.2	
39 cis-1,2-Dichloroethene	96	9.543	9.543	0.000	65	2919574	40.0	39.6	
43 Tetrahydrofuran	42	9.911	9.911	0.000	79	1706984	40.0	40.5	
* 44 Chlorobromomethane	128	9.916	9.916	0.000	79	745714	10.0	10.0	
45 Chloroform	83	9.986	9.986	0.000	100	6510314	40.0	39.3	
S 42 1,2-Dichloroethene, Total	61				0		80.0	80.6	
46 Cyclohexane	84	10.237	10.231	0.006	85	3767640	40.0	40.2	
47 1,1,1-Trichloroethane	97	10.237	10.236	0.001	96	8020451	40.0	38.5	
48 Carbon tetrachloride	117	10.434	10.429	0.005	97	8900765	40.0	38.7	
49 Isooctane	57	10.706	10.701	0.005	97	10235873	40.0	43.1	
50 Benzene	78	10.776	10.770	0.006	94	7977412	40.0	40.3	
51 1,2-Dichloroethane	62	10.888	10.888	0.000	98	4705545	40.0	39.4	
52 n-Heptane	43	10.957	10.952	0.005	78	3115995	40.0	43.5	
A 53 GRO	1	11.002	(4.906-17.099)		0	1091636288	40.0	0	
* 54 1,4-Difluorobenzene	114	11.320	11.315	0.005	93	3693016	10.0	10.0	
56 n-Butanol	56	11.496	11.491	0.005	85	1188779	40.0	42.9	
57 Trichloroethene	95	11.678	11.677	0.001	97	4300740	40.0	41.8	
58 1,2-Dichloropropane	63	12.067	12.062	0.005	85	2411596	40.0	40.3	
59 Methyl methacrylate	69	12.094	12.088	0.006	87	2696015	40.0	40.7	
60 1,4-Dioxane	88	12.190	12.184	0.006	86	1441083	40.0	40.7	
61 Dibromomethane	174	12.254	12.249	0.006	95	4061010	40.0	36.7	
62 Dichlorobromomethane	83	12.425	12.419	0.006	98	7720466	40.0	40.4	
A 63 TVOC as Toluene	1	12.662	(3.160-22.164)		0	2005585332	40.0	10792	
64 cis-1,3-Dichloropropene	75	13.049	13.049	0.000	93	5005862	40.0	43.1	
65 4-Methyl-2-pentanone (MIBK	43	13.204	13.198	0.006	90	4451111	40.0	42.9	
A 66 C8 Range	1	13.411	(13.378-13.458)		0	24009467	NC	NC	
67 n-Octane	43	13.433	13.428	0.005	77	4350084	40.0	42.6	
68 Toluene	92	13.476	13.471	0.005	93	6744991	40.0	40.0	
A 69 Toluene Range	1	13.486	(13.461-13.511)		0	26835065	NC	NC	
70 trans-1,3-Dichloropropene	75	13.844	13.839	0.005	96	5751811	40.0	42.7	
71 1,1,2-Trichloroethane	83	14.122	14.116	0.006	91	3006193	40.0	39.7	
72 Tetrachloroethene	166	14.234	14.229	0.006	95	6308625	40.0	36.3	
73 2-Hexanone	43	14.373	14.367	0.006	92	4503566	40.0	42.3	
74 Chlorodibromomethane	129	14.661	14.661	0.000	97	8765971	40.0	39.5	
75 Ethylene Dibromide	107	14.864	14.864	0.000	98	6772748	40.0	40.2	
* 76 Chlorobenzene-d5	117	15.408	15.408	0.000	84	3352526	10.0	10.0	
77 Chlorobenzene	112	15.451	15.445	0.006	97	10420337	40.0	38.7	
78 n-Nonane	57	15.509	15.504	0.005	64	5282276	40.0	41.6	
79 Ethylbenzene	91	15.509	15.509	0.000	97	15885885	40.0	38.8	
80 m-Xylene & p-Xylene	106	15.653	15.653	0.000	97	13027955	80.0	76.1	
S 81 Xylenes, Total	106				0		120.0	114.3	
82 o-Xylene	106	16.166	16.160	0.006	93	6398761	40.0	38.2	
83 Styrene	104	16.187	16.187	0.000	96	10192304	40.0	39.9	
84 Bromoform	173	16.486	16.481	0.005	95	7872150	40.0	36.8	
85 Isopropylbenzene	105	16.561	16.566	-0.005	96	18906887	40.0	36.7	
$ 86 4-Bromofluorobenzene	95	16.828	16.828	0.000	90	2561358	NC	NC	
87 1,1,2,2-Tetrachloroethane	83	16.982	16.977	0.005	95	7957830	40.0	38.9	
88 N-Propylbenzene	91	17.036	17.041	-0.005	97	18884756	40.0	32.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	17.068	17.068	0.000	94	6662856	40.0	37.1	
90 n-Decane	57	17.094	17.089	0.005	85	6528537	40.0	37.7	
91 4-Ethyltoluene	105	17.159	17.164	-0.006	96	18155370	40.0	33.9	
92 2-Chlorotoluene	91	17.212	17.207	0.006	96	16324042	40.0	38.1	
93 1,3,5-Trimethylbenzene	105	17.233	17.228	0.005	93	16424792	40.0	36.5	
94 Alpha Methyl Styrene	118	17.511	17.505	0.006	91	8169700	40.0	39.5	
95 tert-Butylbenzene	119	17.617	17.612	0.005	93	15917959	40.0	35.7	
96 1,2,4-Trimethylbenzene	105	17.687	17.681	0.006	97	16273263	40.0	35.5	
97 sec-Butylbenzene	105	17.868	17.874	-0.006	97	20510889	40.0	32.8	
98 4-Isopropyltoluene	119	18.028	18.028	0.000	96	18953674	40.0	34.0	
99 1,3-Dichlorobenzene	146	18.114	18.108	0.006	96	10895203	40.0	31.6	
100 1,4-Dichlorobenzene	146	18.231	18.226	0.005	95	10926155	40.0	31.9	
101 Benzyl chloride	91	18.391	18.386	0.005	99	12788152	40.0	38.2	
102 Undecane	57	18.493	18.487	0.006	88	7672154	40.0	40.3	
103 n-Butylbenzene	91	18.546	18.546	0.000	98	17116006	40.0	37.1	
104 1,2-Dichlorobenzene	146	18.728	18.728	0.000	96	10443393	40.0	32.4	
106 Dodecane	57	19.982	19.982	0.000	89	7561845	40.0	38.7	
107 1,2,4-Trichlorobenzene	180	21.156	21.150	0.006	94	8511675	40.0	34.4	
108 Hexachlorobutadiene	225	21.316	21.311	0.005	90	6376957	40.0	32.8	
109 Naphthalene	128	21.668	21.663	0.005	99	20079171	40.0	36.7	
110 1,2,3-Trichlorobenzene	180	22.154	22.154	0.000	96	7980457	40.0	33.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL7w_00048	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

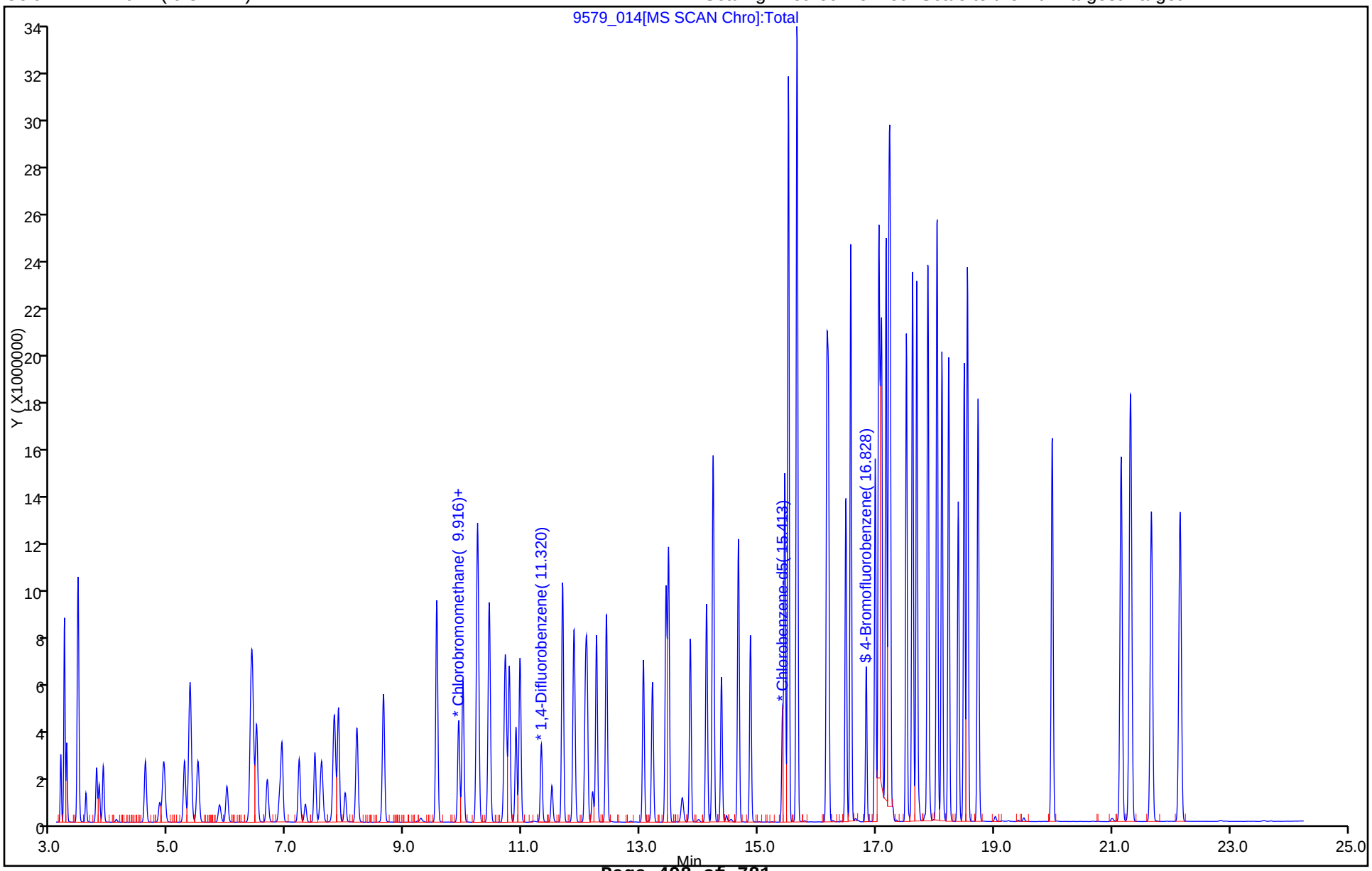
Report Date: 22-Sep-2014 10:28:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Injection Date:	22-Sep-2014 06:01:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Lab Sample ID: ICV 200-77543/18 Calibration Date: 09/22/2014 09:30

Instrument ID: CHB.i Calib Start Date: 09/21/2014 23:57

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/22/2014 06:01

Lab File ID: 9579_018.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4475	0.4052		9.05	10.0	-9.4	30.0
Freon 12	Ave	2.901	2.637		9.09	10.0	-9.1	30.0
Freon 22	Ave	1.175	1.091		9.29	10.0	-7.1	30.0
Freon-114	Ave	2.129	2.240		10.5	10.0	5.2	30.0
Chloromethane	Ave	0.4453	0.4183		9.39	10.0	-6.1	30.0
n-Butane	Ave	0.7435	0.7146		9.61	10.0	-3.9	30.0
Vinyl chloride	Ave	0.6296	0.5939		9.43	10.0	-5.7	30.0
1,3-Butadiene	Ave	0.4206	0.4010		9.53	10.0	-4.7	30.0
Bromomethane	Ave	0.8464	0.8088		9.55	10.0	-4.4	30.0
Chloroethane	Ave	0.3759	0.3579		9.52	10.0	-4.8	30.0
Isopentane	Ave	0.5873	0.6246		10.6	10.0	6.3	30.0
Vinyl bromide	Ave	0.9820	0.9323		9.49	10.0	-5.1	30.0
Freon 11	Ave	3.355	3.102		9.24	10.0	-7.6	30.0
n-Pentane	Ave	0.8810	0.9506		10.8	10.0	7.9	30.0
Ethanol	Ave	0.1852	0.2351		19.0	15.0	26.9	30.0
Ethyl ether	Ave	0.4686	0.5161		11.0	10.0	10.1	30.0
Acrolein	Ave	0.1817	0.2157		11.9	10.0	18.7	30.0
Freon 113	Ave	2.013	1.972		9.80	10.0	-2.0	30.0
1,1-Dichloroethene	Ave	0.9045	0.8730		9.65	10.0	-3.5	30.0
Acetone	Ave	1.205	1.145		9.50	10.0	-5.0	30.0
Isopropyl alcohol	Ave	0.8246	0.7881		9.55	10.0	-4.4	30.0
Carbon disulfide	Ave	2.078	2.359		11.4	10.0	13.5	30.0
Allyl chloride	Ave	0.6341	0.6260		9.87	10.0	-1.3	30.0
Acetonitrile	Ave	0.3197	0.3434		10.7	10.0	7.4	30.0
Methylene Chloride	Ave	0.6997	0.6784		9.69	10.0	-3.1	30.0
tert-Butyl alcohol	Ave	1.719	1.657		9.64	10.0	-3.6	30.0
Methyl tert-butyl ether	Ave	2.768	2.856		10.3	10.0	3.2	30.0
trans-1,2-Dichloroethene	Ave	1.103	1.179		10.7	10.0	6.9	30.0
Acrylonitrile	Ave	0.3845	0.4206		10.9	10.0	9.4	30.0
Hexane	Ave	0.9314	1.047		11.2	10.0	12.4	30.0
1,1-Dichloroethane	Ave	1.385	1.435		10.4	10.0	3.7	30.0
Vinyl acetate	Ave	1.476	1.457		9.87	10.0	-1.3	30.0
Ethyl acetate	Ave	0.0804	0.0849		10.6	10.0	5.6	30.0
Methyl Ethyl Ketone	Ave	0.4427	0.4108		9.28	10.0	-7.2	30.0
cis-1,2-Dichloroethene	Ave	0.9893	0.9906		10.0	10.0	0.1	30.0
Tetrahydrofuran	Ave	0.1140	0.1208		10.6	10.0	6.0	30.0
Chloroform	Ave	2.222	2.189		9.85	10.0	-1.5	30.0
1,1,1-Trichloroethane	Ave	0.5644	0.5558		9.85	10.0	-1.5	30.0
Cyclohexane	Ave	0.2540	0.2647		10.4	10.0	4.2	30.0
Carbon tetrachloride	Ave	0.6234	0.6088		9.76	10.0	-2.3	30.0
2,2,4-Trimethylpentane	Ave	0.6432	0.6831		10.6	10.0	6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Lab Sample ID: ICV 200-77543/18 Calibration Date: 09/22/2014 09:30

Instrument ID: CHB.i Calib Start Date: 09/21/2014 23:57

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/22/2014 06:01

Lab File ID: 9579_018.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5355	0.5405		10.1	10.0	0.9	30.0
1,2-Dichloroethane	Ave	0.3236	0.3175		9.81	10.0	-1.9	30.0
Heptane	Ave	0.1941	0.2088		10.8	10.0	7.6	30.0
n-Butanol	Ave	0.0751	0.0803		10.7	10.0	7.0	30.0
Trichloroethene	Ave	0.2924	0.2970		10.7	10.0	1.6	30.0
1,2-Dichloropropane	Ave	0.1621	0.1660		10.2	10.0	2.4	30.0
Methyl methacrylate	Ave	0.1792	0.1896		10.6	10.0	5.8	30.0
1,4-Dioxane	Ave	0.0958	0.0963		10.1	10.0	0.6	30.0
Dibromomethane	Ave	0.2996	0.2866		9.56	10.0	-4.3	30.0
Bromodichloromethane	Ave	0.5169	0.5103		9.87	10.0	-1.3	30.0
cis-1,3-Dichloropropene	Ave	0.3144	0.3353		10.7	10.0	6.7	30.0
methyl isobutyl ketone	Ave	0.2807	0.2890		10.3	10.0	3.0	30.0
n-Octane	Ave	0.2763	0.2931		10.6	10.0	6.1	30.0
Toluene	Ave	0.5032	0.5118		10.2	10.0	1.7	30.0
trans-1,3-Dichloropropene	Ave	0.3651	0.3803		10.4	10.0	4.2	30.0
1,1,2-Trichloroethane	Ave	0.2256	0.2298		10.2	10.0	1.9	30.0
Tetrachloroethene	Ave	0.5188	0.5153		9.93	10.0	-0.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3176	0.3250		10.2	10.0	2.3	30.0
Dibromochloromethane	Ave	0.6614	0.6441		9.74	10.0	-2.6	30.0
1,2-Dibromoethane	Ave	0.5029	0.5137		10.2	10.0	2.1	30.0
Chlorobenzene	Ave	0.8025	0.7802		9.72	10.0	-2.8	30.0
Ethylbenzene	Ave	1.221	1.195		9.79	10.0	-2.1	30.0
n-Nonane	Ave	0.3787	0.3856		10.2	10.0	1.8	30.0
m,p-Xylene	Ave	0.5107	0.4866		19.1	20.0	-4.7	30.0
Xylene, o-	Ave	0.4995	0.4860		9.73	10.0	-2.7	30.0
Styrene	Ave	0.7621	0.7422		9.74	10.0	-2.6	30.0
Bromoform	Ave	0.6381	0.6167		9.66	10.0	-3.4	30.0
Cumene	Ave	1.537	1.516		9.86	10.0	-1.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6105	0.6175		10.1	10.0	1.1	30.0
n-Propylbenzene	Ave	1.719	1.706		9.92	10.0	-0.8	30.0
1,2,3-Trichloropropane	Ave	0.5351	0.5100		9.53	10.0	-4.7	30.0
n-Decane	Ave	0.5169	0.5181		10.0	10.0	0.2	30.0
4-Ethyltoluene	Ave	1.596	1.583		9.92	10.0	-0.8	30.0
2-Chlorotoluene	Ave	1.279	1.208		9.44	10.0	-5.6	30.0
1,3,5-Trimethylbenzene	Ave	1.341	1.325		9.88	10.0	-1.2	30.0
Alpha Methyl Styrene	Ave	0.6177	0.6761		10.9	10.0	9.5	30.0
tert-Butylbenzene	Ave	1.330	1.294		9.73	10.0	-2.7	30.0
1,2,4-Trimethylbenzene	Ave	1.366	1.319		9.66	10.0	-3.4	30.0
sec-Butylbenzene	Ave	1.863	1.816		9.74	10.0	-2.6	30.0
4-Isopropyltoluene	Ave	1.661	1.658		9.98	10.0	-0.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Lab Sample ID: ICV 200-77543/18 Calibration Date: 09/22/2014 09:30

Instrument ID: CHB.i Calib Start Date: 09/21/2014 23:57

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/22/2014 06:01

Lab File ID: 9579_018.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.029	0.9252		8.99	10.0	-10.1	30.0
1,4-Dichlorobenzene	Ave	1.023	0.9325		9.11	10.0	-8.9	30.0
Benzyl chloride	Ave	0.999	0.9544		9.55	10.0	-4.4	30.0
n-Undecane	Ave	0.5676	0.5523		9.73	10.0	-2.7	30.0
n-Butylbenzene	Ave	1.375	1.354		9.85	10.0	-1.5	30.0
1,2-Dichlorobenzene	Ave	0.9626	0.8922		9.27	10.0	-7.3	30.0
n-Dodecane	Ave	0.5824	0.5948		10.2	10.0	2.1	30.0
1,2,4-Trichlorobenzene	Ave	0.7371	0.6468		8.77	10.0	-12.3	30.0
Hexachloro-1,3-butadiene	Ave	0.5804	0.5109		8.80	10.0	-12.0	30.0
Naphthalene	Ave	1.630	1.393		8.54	10.0	-14.5	30.0
1,2,3-Trichlorobenzene	Ave	0.7022	0.6142		8.74	10.0	-12.5	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_018.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 22-Sep-2014 09:30:30 ALS Bottle#: 16 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009579-018
Misc. Info.: lcs
Operator ID: pad Instrument ID: CHB.i
Sublist:

Method: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 22-Sep-2014 10:41:57 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: daiglep Date: 22-Sep-2014 10:18:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
4 Propene	41	3.170	3.170	0.000	95	292658	10.0	9.05	
5 Dichlorodifluoromethane	85	3.229	3.229	0.000	99	1904170	10.0	9.09	
6 Chlorodifluoromethane	51	3.272	3.266	0.006	95	788139	10.0	9.29	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.459	3.459	0.000	96	1617650	10.0	10.5	
8 Chloromethane	50	3.597	3.597	0.000	98	302134	10.0	9.39	
9 Butane	43	3.773	3.773	0.000	94	516093	10.0	9.61	
10 Vinyl chloride	62	3.821	3.816	0.005	98	428912	10.0	9.43	
11 Butadiene	54	3.891	3.886	0.005	94	289625	10.0	9.53	
13 BFB									
12 Bromomethane	94	4.601	4.601	0.000	98	584153	10.0	9.55	
14 Chloroethane	64	4.841	4.846	-0.005	99	258502	10.0	9.52	
15 2-Methylbutane	43	4.916	4.916	0.000	85	451069	10.0	10.6	
16 Vinyl bromide	106	5.262	5.262	0.000	98	673303	10.0	9.49	
17 Trichlorofluoromethane	101	5.358	5.359	-0.001	98	2240058	10.0	9.24	
18 Pentane	43	5.492	5.492	0.000	91	686509	10.0	10.8	
19 Ethanol	45	5.849	5.844	0.005	98	254836	15.0	19.0	
21 Ethyl ether	59	5.983	5.983	0.000	90	372742	10.0	11.0	
22 Acrolein	56	6.389	6.389	-0.001	98	155749	10.0	11.9	
23 1,1,2-Trichloro-1,2,2-trif	101	6.405	6.405	-0.001	97	1424544	10.0	9.80	
24 1,1-Dichloroethene	96	6.485	6.485	0.000	97	630476	10.0	9.65	
25 Acetone	43	6.671	6.666	0.005	85	827204	10.0	9.50	
26 Isopropyl alcohol	45	6.869	6.869	0.000	97	569168	10.0	9.55	
27 Carbon disulfide	76	6.917	6.917	0.000	99	1703591	10.0	11.4	
29 3-Chloro-1-propene	41	7.210	7.210	0.000	78	452129	10.0	9.87	
30 Acetonitrile	41	7.312	7.312	0.000	98	248014	10.0	10.7	
31 Methylene Chloride	49	7.472	7.477	-0.005	81	489924	10.0	9.69	
32 2-Methyl-2-propanol	59	7.573	7.573	0.000	98	1196886	10.0	9.64	
33 Methyl tert-butyl ether	73	7.803	7.803	0.000	94	2063023	10.0	10.3	
34 trans-1,2-Dichloroethene	61	7.872	7.872	0.000	90	851727	10.0	10.7	
35 Acrylonitrile	53	7.990	7.984	0.006	93	303761	10.0	10.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	8.187	8.187	0.000	88	756247	10.0	11.2	
37 1,1-Dichloroethane	63	8.635	8.635	0.000	99	1036603	10.0	10.4	
38 Vinyl acetate	43	8.641	8.641	0.000	98	1052580	10.0	9.87	
40 2-Butanone (MEK)	72	9.537	9.537	0.000	97	296685	10.0	9.28	
41 Ethyl acetate	88	9.537	9.543	-0.006	89	61295	10.0	10.6	
39 cis-1,2-Dichloroethene	96	9.543	9.543	0.000	64	715462	10.0	10.0	
43 Tetrahydrofuran	42	9.911	9.911	0.000	79	423904	10.0	10.6	
* 44 Chlorobromomethane	128	9.916	9.916	0.000	75	722364	10.0	10.0	
45 Chloroform	83	9.986	9.986	0.000	100	1581142	10.0	9.85	
S 42 1,2-Dichloroethene, Total	61				0		20.0	20.7	
46 Cyclohexane	84	10.231	10.231	0.000	86	928613	10.0	10.4	
47 1,1,1-Trichloroethane	97	10.231	10.236	-0.005	96	1949638	10.0	9.85	
48 Carbon tetrachloride	117	10.429	10.429	0.000	98	2135582	10.0	9.76	
49 Isooctane	57	10.706	10.701	0.005	97	2396430	10.0	10.6	
50 Benzene	78	10.770	10.770	0.000	94	1895982	10.0	10.1	
51 1,2-Dichloroethane	62	10.882	10.888	-0.006	98	1113891	10.0	9.81	
52 n-Heptane	43	10.952	10.952	0.000	77	732356	10.0	10.8	
A 53 GRO	1	11.002	(4.906-17.099)		0	256301718	10.0	0	
* 54 1,4-Difluorobenzene	114	11.314	11.315	-0.001	93	3508654	10.0	10.0	
56 n-Butanol	56	11.491	11.491	0.000	85	281650	10.0	10.7	
57 Trichloroethene	95	11.677	11.677	0.000	96	1042007	10.0	10.7	
58 1,2-Dichloropropane	63	12.062	12.062	0.000	82	582319	10.0	10.2	
59 Methyl methacrylate	69	12.088	12.088	0.000	90	665129	10.0	10.6	
60 1,4-Dioxane	88	12.184	12.184	0.000	86	337952	10.0	10.1	
61 Dibromomethane	174	12.248	12.249	0.000	93	1005254	10.0	9.56	
62 Dichlorobromomethane	83	12.419	12.419	0.000	98	1790193	10.0	9.87	
A 63 TVOC as Toluene	1	12.662	(3.160-22.164)		0	486575973	10.0	2755.9	
64 cis-1,3-Dichloropropene	75	13.044	13.049	-0.005	91	1176288	10.0	10.7	
65 4-Methyl-2-pentanone (MIBK	43	13.198	13.198	0.000	90	1013823	10.0	10.3	
A 66 C8 Range	1	13.409	(13.378-13.458)		0	5658036	NC	NC	
67 n-Octane	43	13.428	13.428	0.000	76	1028074	10.0	10.6	
68 Toluene	92	13.471	13.471	0.000	93	1605457	10.0	10.2	
A 69 Toluene Range	1	13.486	(13.461-13.511)		0	6413643	NC	NC	
70 trans-1,3-Dichloropropene	75	13.839	13.839	0.000	96	1334006	10.0	10.4	
71 1,1,2-Trichloroethane	83	14.116	14.116	0.000	91	720938	10.0	10.2	
72 Tetrachloroethene	166	14.228	14.229	0.000	97	1616439	10.0	9.93	
73 2-Hexanone	43	14.367	14.367	0.000	91	1019591	10.0	10.2	
74 Chlorodibromomethane	129	14.655	14.661	-0.006	97	2020419	10.0	9.74	
75 Ethylene Dibromide	107	14.858	14.864	-0.006	98	1611329	10.0	10.2	
* 76 Chlorobenzene-d5	117	15.408	15.408	0.000	84	3137479	10.0	10.0	
77 Chlorobenzene	112	15.445	15.445	0.000	97	2447364	10.0	9.72	
78 n-Nonane	57	15.504	15.504	0.000	63	1209710	10.0	10.2	
79 Ethylbenzene	91	15.504	15.509	-0.005	97	3748820	10.0	9.79	
80 m-Xylene & p-Xylene	106	15.648	15.653	-0.005	100	3052936	20.0	19.1	
S 81 Xylenes, Total	106				0		30.0	28.8	
82 o-Xylene	106	16.160	16.160	0.000	94	1524593	10.0	9.73	
83 Styrene	104	16.182	16.187	-0.005	96	2328182	10.0	9.74	
84 Bromoform	173	16.481	16.481	0.000	96	1934410	10.0	9.66	
85 Isopropylbenzene	105	16.561	16.566	-0.005	95	4754265	10.0	9.86	
$ 86 4-Bromofluorobenzene	95	16.827	16.828	-0.001	90	2385296	NC	NC	
87 1,1,2,2-Tetrachloroethane	83	16.977	16.977	0.000	95	1936888	10.0	10.1	
88 N-Propylbenzene	91	17.036	17.041	-0.005	100	5350016	10.0	9.92	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	17.062	17.068	-0.006	95	1599746	10.0	9.53	
90 n-Decane	57	17.089	17.089	0.000	82	1625210	10.0	10.0	
91 4-Ethyltoluene	105	17.164	17.164	0.000	99	4965434	10.0	9.92	
92 2-Chlorotoluene	91	17.206	17.207	0.000	96	3788551	10.0	9.44	
93 1,3,5-Trimethylbenzene	105	17.228	17.228	0.000	92	4157488	10.0	9.88	
94 Alpha Methyl Styrene	118	17.505	17.505	0.000	91	2120756	10.0	10.9	
95 tert-Butylbenzene	119	17.612	17.612	0.000	93	4059822	10.0	9.73	
96 1,2,4-Trimethylbenzene	105	17.681	17.681	0.000	97	4137633	10.0	9.66	
97 sec-Butylbenzene	105	17.874	17.874	0.000	98	5695200	10.0	9.74	
98 4-Isopropyltoluene	119	18.028	18.028	0.000	97	5199950	10.0	9.98	
99 1,3-Dichlorobenzene	146	18.108	18.108	0.000	96	2902197	10.0	8.99	
100 1,4-Dichlorobenzene	146	18.226	18.226	0.000	95	2925272	10.0	9.11	
101 Benzyl chloride	91	18.386	18.386	0.000	99	2993859	10.0	9.55	
102 Undecane	57	18.487	18.487	0.000	87	1732478	10.0	9.73	
103 n-Butylbenzene	91	18.541	18.546	-0.005	97	4248792	10.0	9.85	
104 1,2-Dichlorobenzene	146	18.722	18.728	-0.006	96	2798613	10.0	9.27	
106 Dodecane	57	19.982	19.982	0.000	89	1865933	10.0	10.2	
107 1,2,4-Trichlorobenzene	180	21.150	21.150	0.000	94	2028852	10.0	8.77	
108 Hexachlorobutadiene	225	21.311	21.311	-0.001	93	1602763	10.0	8.80	
109 Naphthalene	128	21.663	21.663	0.000	99	4370510	10.0	8.54	
110 1,2,3-Trichlorobenzene	180	22.154	22.154	0.000	95	1926524	10.0	8.74	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00414	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

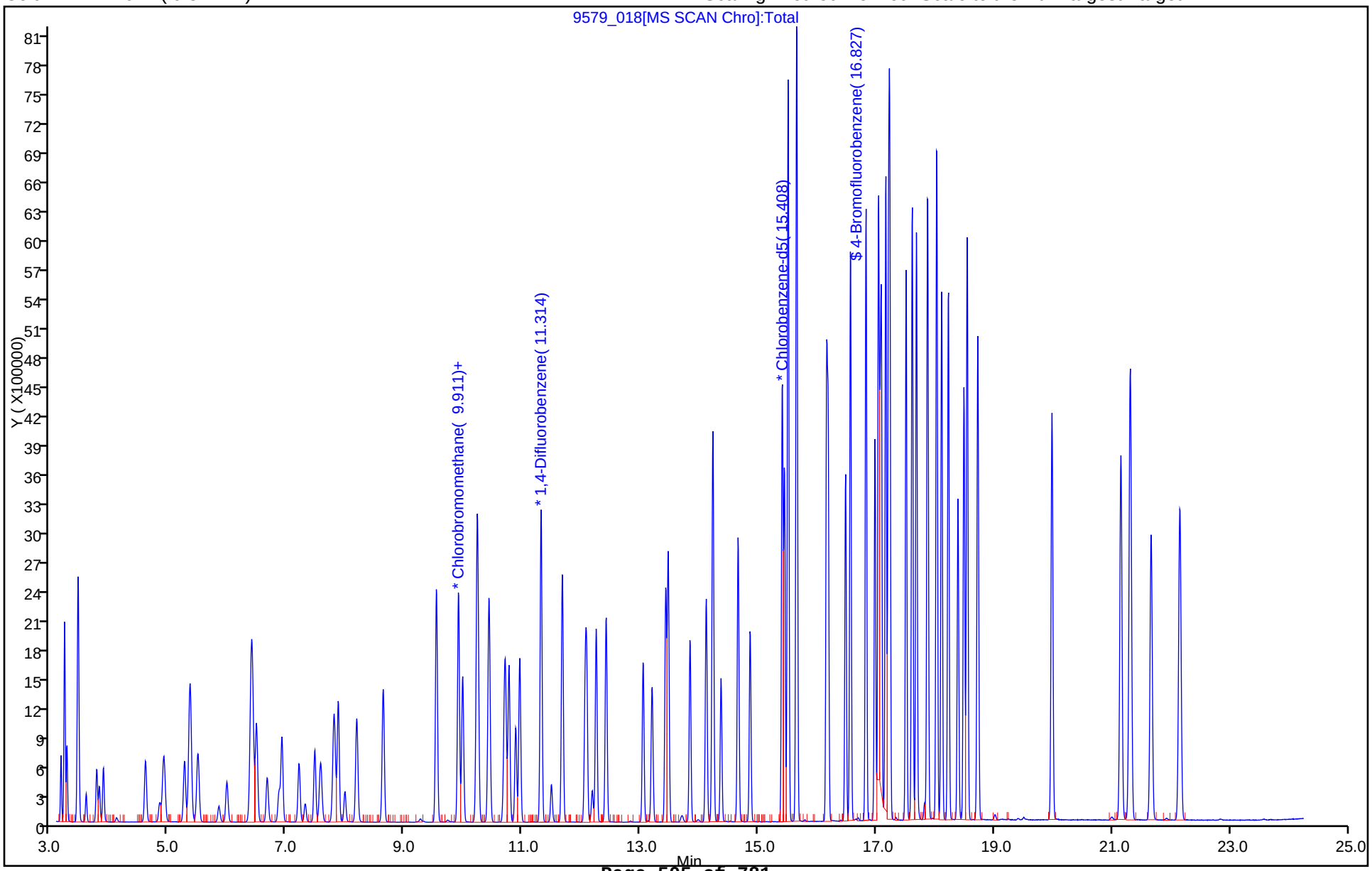
Report Date: 22-Sep-2014 11:34:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_018.D

Injection Date:	22-Sep-2014 09:30:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	icv			Worklist Smp#:	18
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Lab Sample ID: CCVIS 200-78645/2 Calibration Date: 10/14/2014 11:08

Instrument ID: CHB.i Calib Start Date: 09/21/2014 23:57

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/22/2014 06:01

Lab File ID: 9990_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4475	0.4406		9.84	10.0	-1.5	30.0
Freon 12	Ave	2.901	3.206		11.1	10.0	10.5	30.0
Freon 22	Ave	1.175	1.204		10.2	10.0	2.5	30.0
Freon-114	Ave	2.129	2.219		10.4	10.0	4.3	30.0
Chloromethane	Ave	0.4453	0.4405		9.89	10.0	-1.1	30.0
n-Butane	Ave	0.7435	0.7324		9.85	10.0	-1.5	30.0
Vinyl chloride	Ave	0.6296	0.6109		9.70	10.0	-3.0	30.0
1,3-Butadiene	Ave	0.4206	0.4112		9.77	10.0	-2.2	30.0
Bromomethane	Ave	0.8464	0.8002		9.45	10.0	-5.5	30.0
Chloroethane	Ave	0.3759	0.3446		9.17	10.0	-8.3	30.0
Isopentane	Ave	0.5873	0.5516		9.39	10.0	-6.1	30.0
Vinyl bromide	Ave	0.9820	0.9362		9.53	10.0	-4.7	30.0
Freon 11	Ave	3.355	3.372		10.0	10.0	0.5	30.0
n-Pentane	Ave	0.8810	0.8324		9.45	10.0	-5.5	30.0
Ethanol	Ave	0.1852	0.2241		18.1	15.0	21.0	30.0
Ethyl ether	Ave	0.4686	0.4431		9.45	10.0	-5.5	30.0
Acrolein	Ave	0.1817	0.1705		9.38	10.0	-6.2	30.0
Freon 113	Ave	2.013	1.978		9.83	10.0	-1.7	30.0
1,1-Dichloroethene	Ave	0.9045	0.8786		9.71	10.0	-2.9	30.0
Acetone	Ave	1.205	1.248		10.4	10.0	3.6	30.0
Isopropyl alcohol	Ave	0.8246	0.6400		7.76	10.0	-22.4	30.0
Carbon disulfide	Ave	2.078	1.945		9.36	10.0	-6.4	30.0
Allyl chloride	Ave	0.6341	0.6055		9.55	10.0	-4.5	30.0
Acetonitrile	Ave	0.3197	0.2801		8.76	10.0	-12.4	30.0
Methylene Chloride	Ave	0.6997	0.6458		9.23	10.0	-7.7	30.0
tert-Butyl alcohol	Ave	1.719	1.413		8.22	10.0	-17.8	30.0
Methyl tert-butyl ether	Ave	2.768	2.717		9.81	10.0	-1.8	30.0
trans-1,2-Dichloroethene	Ave	1.103	1.065		9.65	10.0	-3.5	30.0
Acrylonitrile	Ave	0.3845	0.3596		9.35	10.0	-6.5	30.0
Hexane	Ave	0.9314	0.9142		9.81	10.0	-1.8	30.0
1,1-Dichloroethane	Ave	1.385	1.339		9.67	10.0	-3.3	30.0
Vinyl acetate	Ave	1.476	1.335		9.04	10.0	-9.6	30.0
cis-1,2-Dichloroethene	Ave	0.9893	0.9587		9.69	10.0	-3.1	30.0
Ethyl acetate	Ave	0.0804	0.0728		9.05	10.0	-9.5	30.0
Methyl Ethyl Ketone	Ave	0.4427	0.3786		8.55	10.0	-14.5	30.0
Tetrahydrofuran	Ave	0.1140	0.1024		8.97	10.0	-10.2	30.0
Chloroform	Ave	2.222	2.152		9.68	10.0	-3.1	30.0
Cyclohexane	Ave	0.2540	0.2498		9.83	10.0	-1.7	30.0
1,1,1-Trichloroethane	Ave	0.5644	0.5616		9.95	10.0	-0.5	30.0
Carbon tetrachloride	Ave	0.6234	0.6266		10.0	10.0	0.5	30.0
2,2,4-Trimethylpentane	Ave	0.6432	0.6204		9.64	10.0	-3.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Lab Sample ID: CCVIS 200-78645/2 Calibration Date: 10/14/2014 11:08

Instrument ID: CHB.i Calib Start Date: 09/21/2014 23:57

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/22/2014 06:01

Lab File ID: 9990_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5355	0.5062		9.45	10.0	-5.5	30.0
1,2-Dichloroethane	Ave	0.3236	0.3115		9.62	10.0	-3.7	30.0
Heptane	Ave	0.1941	0.1908		9.83	10.0	-1.7	30.0
n-Butanol	Ave	0.0751	0.0510		6.80	10.0	-32.0*	30.0
Trichloroethene	Ave	0.2924	0.2872		9.82	10.0	-1.8	30.0
1,2-Dichloropropane	Ave	0.1621	0.1531		9.44	10.0	-5.6	30.0
Methyl methacrylate	Ave	0.1792	0.1663		9.28	10.0	-7.2	30.0
1,4-Dioxane	Ave	0.0958	0.0688		7.17	10.0	-28.2	30.0
Dibromomethane	Ave	0.2996	0.2873		9.59	10.0	-4.1	30.0
Bromodichloromethane	Ave	0.5169	0.5100		9.87	10.0	-1.3	30.0
cis-1,3-Dichloropropene	Ave	0.3144	0.3059		9.73	10.0	-2.7	30.0
methyl isobutyl ketone	Ave	0.2807	0.2552		9.09	10.0	-9.1	30.0
n-Octane	Ave	0.2763	0.2662		9.63	10.0	-3.6	30.0
Toluene	Ave	0.5032	0.4948		9.83	10.0	-1.7	30.0
trans-1,3-Dichloropropene	Ave	0.3651	0.3588		9.82	10.0	-1.7	30.0
1,1,2-Trichloroethane	Ave	0.2256	0.2192		9.71	10.0	-2.9	30.0
Tetrachloroethene	Ave	0.5188	0.5197		10.0	10.0	0.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3176	0.2843		8.95	10.0	-10.5	30.0
Dibromochloromethane	Ave	0.6614	0.6816		10.3	10.0	3.1	30.0
1,2-Dibromoethane	Ave	0.5029	0.5043		10.0	10.0	0.3	30.0
Chlorobenzene	Ave	0.8025	0.7710		9.61	10.0	-3.9	30.0
Ethylbenzene	Ave	1.221	1.161		9.51	10.0	-4.9	30.0
n-Nonane	Ave	0.3787	0.3577		9.44	10.0	-5.6	30.0
m,p-Xylene	Ave	0.5107	0.4881		19.1	20.0	-4.4	30.0
Xylene, o-	Ave	0.4995	0.4852		9.71	10.0	-2.9	30.0
Styrene	Ave	0.7621	0.6885		9.03	10.0	-9.7	30.0
Bromoform	Ave	0.6381	0.6413		10.0	10.0	0.5	30.0
Cumene	Ave	1.537	1.528		9.94	10.0	-0.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6105	0.5764		9.44	10.0	-5.6	30.0
n-Propylbenzene	Ave	1.719	1.678		9.76	10.0	-2.4	30.0
1,2,3-Trichloropropane	Ave	0.5351	0.5055		9.44	10.0	-5.5	30.0
n-Decane	Ave	0.5169	0.4856		9.39	10.0	-6.0	30.0
4-Ethyltoluene	Ave	1.596	1.538		9.64	10.0	-3.6	30.0
2-Chlorotoluene	Ave	1.279	1.236		9.66	10.0	-3.4	30.0
1,3,5-Trimethylbenzene	Ave	1.341	1.335		9.95	10.0	-0.5	30.0
Alpha Methyl Styrene	Ave	0.6177	0.4373		7.08	10.0	-29.2	30.0
tert-Butylbenzene	Ave	1.330	1.318		9.91	10.0	-0.9	30.0
1,2,4-Trimethylbenzene	Ave	1.366	1.340		9.81	10.0	-1.9	30.0
sec-Butylbenzene	Ave	1.863	1.831		9.83	10.0	-1.7	30.0
4-Isopropyltoluene	Ave	1.661	1.666		10.0	10.0	0.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Lab Sample ID: CCVIS 200-78645/2 Calibration Date: 10/14/2014 11:08

Instrument ID: CHB.i Calib Start Date: 09/21/2014 23:57

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/22/2014 06:01

Lab File ID: 9990_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.029	0.9475		9.21	10.0	-7.9	30.0
1,4-Dichlorobenzene	Ave	1.023	0.9695		9.47	10.0	-5.2	30.0
Benzyl chloride	Ave	0.999	0.9649		9.66	10.0	-3.4	30.0
n-Undecane	Ave	0.5676	0.5297		9.33	10.0	-6.7	30.0
n-Butylbenzene	Ave	1.375	1.342		9.76	10.0	-2.4	30.0
1,2-Dichlorobenzene	Ave	0.9626	0.9086		9.44	10.0	-5.6	30.0
n-Dodecane	Ave	0.5824	0.4747		8.15	10.0	-18.5	30.0
1,2,4-Trichlorobenzene	Ave	0.7371	0.7002		9.50	10.0	-5.0	30.0
Hexachloro-1,3-butadiene	Ave	0.5804	0.5032		8.67	10.0	-13.3	30.0
Naphthalene	Ave	1.630	1.478		9.06	10.0	-9.3	30.0
1,2,3-Trichlorobenzene	Ave	0.7022	0.6274		8.93	10.0	-10.7	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_002.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 14-Oct-2014 11:08:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009990-002
Misc. Info.: ccvis
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 15-Oct-2014 11:36:18 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: daiglep Date: 15-Oct-2014 11:02:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
4 Propene	41	3.160	3.160	0.000	95	195443	10.0	9.84	
5 Dichlorodifluoromethane	85	3.224	3.224	0.000	99	1422266	10.0	11.1	
6 Chlorodifluoromethane	51	3.261	3.261	0.000	95	533928	10.0	10.2	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.453	3.453	0.000	90	984448	10.0	10.4	
8 Chloromethane	50	3.587	3.587	0.000	98	195414	10.0	9.89	
9 Butane	43	3.768	3.768	0.000	94	324880	10.0	9.85	
10 Vinyl chloride	62	3.811	3.811	0.000	98	270981	10.0	9.70	
11 Butadiene	54	3.880	3.880	0.000	93	182415	10.0	9.77	
12 Bromomethane	94	4.590	4.590	0.000	98	354952	10.0	9.45	
13 BFB									
14 Chloroethane	64	4.830	4.830	0.000	99	152852	10.0	9.17	
15 2-Methylbutane	43	4.894	4.894	0.000	85	244693	10.0	9.39	
16 Vinyl bromide	106	5.252	5.252	0.000	98	415289	10.0	9.53	
17 Trichlorofluoromethane	101	5.348	5.348	0.000	98	1495981	10.0	10.0	
18 Pentane	43	5.481	5.481	0.000	93	369261	10.0	9.45	
19 Ethanol	45	5.833	5.833	0.000	98	149148	15.0	18.1	
21 Ethyl ether	59	5.972	5.972	0.000	89	196541	10.0	9.45	
22 Acrolein	56	6.378	6.378	0.000	98	75634	10.0	9.38	
23 1,1,2-Trichloro-1,2,2-trif	101	6.394	6.394	0.000	96	877609	10.0	9.83	
24 1,1-Dichloroethene	96	6.479	6.479	0.000	97	389754	10.0	9.71	
25 Acetone	43	6.655	6.655	0.000	85	553786	10.0	10.4	
26 Isopropyl alcohol	45	6.858	6.858	0.000	96	283894	10.0	7.76	
27 Carbon disulfide	76	6.906	6.906	0.000	99	862842	10.0	9.36	
29 3-Chloro-1-propene	41	7.200	7.200	0.000	76	268600	10.0	9.55	
30 Acetonitrile	41	7.296	7.296	0.000	98	124267	10.0	8.76	
31 Methylene Chloride	49	7.461	7.461	0.000	80	286489	10.0	9.23	
32 2-Methyl-2-propanol	59	7.563	7.563	0.000	98	626675	10.0	8.22	
33 Methyl tert-butyl ether	73	7.792	7.792	0.000	94	1205487	10.0	9.81	
34 trans-1,2-Dichloroethene	61	7.862	7.862	0.000	88	472356	10.0	9.65	
35 Acrylonitrile	53	7.974	7.974	0.000	92	159511	10.0	9.35	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	8.176	8.176	0.000	87	405529	10.0	9.81	
37 1,1-Dichloroethane	63	8.625	8.625	0.000	99	594055	10.0	9.67	
38 Vinyl acetate	43	8.630	8.630	0.000	98	592099	10.0	9.04	
41 Ethyl acetate	88	9.532	9.532	0.000	95	32290	10.0	9.05	
39 cis-1,2-Dichloroethene	96	9.532	9.532	0.000	98	425302	10.0	9.69	
40 2-Butanone (MEK)	72	9.532	9.532	0.000	97	167931	10.0	8.55	
43 Tetrahydrofuran	42	9.900	9.900	0.000	65	221441	10.0	8.97	
* 44 Chlorobromomethane	128	9.906	9.906	0.000	68	443692	10.0	10.0	
45 Chloroform	83	9.975	9.975	0.000	100	954552	10.0	9.68	
S 42 1,2-Dichloroethene, Total	61				0		20.0	19.3	
46 Cyclohexane	84	10.220	10.220	0.000	80	540427	10.0	9.83	
47 1,1,1-Trichloroethane	97	10.226	10.226	0.000	95	1214855	10.0	9.95	
48 Carbon tetrachloride	117	10.423	10.423	0.000	98	1355492	10.0	10.0	
49 Isooctane	57	10.695	10.695	0.000	97	1342043	10.0	9.64	
50 Benzene	78	10.759	10.759	0.000	94	1095196	10.0	9.45	
51 1,2-Dichloroethane	62	10.877	10.877	0.000	98	673817	10.0	9.62	
52 n-Heptane	43	10.946	10.946	0.000	75	412713	10.0	9.83	
A 53 GRO	1	11.280	(4.884-17.088)		0	151507708	10.0	0	
* 54 1,4-Difluorobenzene	114	11.309	11.309	0.000	93	2163797	10.0	10.0	
56 n-Butanol	56	11.480	11.480	0.000	88	110395	10.0	6.80	
57 Trichloroethene	95	11.667	11.667	0.000	96	621355	10.0	9.82	
58 1,2-Dichloropropane	63	12.051	12.051	0.000	79	331122	10.0	9.44	
59 Methyl methacrylate	69	12.078	12.078	0.000	88	359787	10.0	9.28	
60 1,4-Dioxane	88	12.174	12.174	0.000	86	148723	10.0	7.17	
61 Dibromomethane	174	12.243	12.243	0.000	93	621506	10.0	9.59	
62 Dichlorobromomethane	83	12.409	12.409	0.000	98	1103358	10.0	9.87	
A 63 TVOC as Toluene	1	12.953	(3.150-22.148)		0	289655171	10.0	2660.2	
64 cis-1,3-Dichloropropene	75	13.038	13.038	0.000	92	661842	10.0	9.73	
65 4-Methyl-2-pentanone (MIBK	43	13.188	13.188	0.000	89	552117	10.0	9.09	
A 66 C8 Range	1	13.401	(13.373-13.453)		0	3059083	NC	NC	
67 n-Octane	43	13.423	13.423	0.000	75	575928	10.0	9.63	
68 Toluene	92	13.465	13.465	0.000	93	939999	10.0	9.83	
A 69 Toluene Range	1	13.480	(13.455-13.505)		0	4028732	NC	NC	
70 trans-1,3-Dichloropropene	75	13.834	13.834	0.000	96	776164	10.0	9.82	
71 1,1,2-Trichloroethane	83	14.106	14.106	0.000	91	416431	10.0	9.71	
72 Tetrachloroethene	166	14.223	14.223	0.000	96	987399	10.0	10.0	
73 2-Hexanone	43	14.357	14.357	0.000	91	540096	10.0	8.95	
74 Chlorodibromomethane	129	14.650	14.650	0.000	97	1295020	10.0	10.3	
75 Ethylene Dibromide	107	14.853	14.853	0.000	98	958022	10.0	10.0	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	84	1900252	10.0	10.0	
77 Chlorobenzene	112	15.435	15.435	0.000	97	1464765	10.0	9.61	
79 Ethylbenzene	91	15.499	15.499	0.000	97	2205385	10.0	9.51	
78 n-Nonane	57	15.499	15.499	0.000	62	679613	10.0	9.44	
80 m-Xylene & p-Xylene	106	15.643	15.643	0.000	0	1854796	20.0	19.1	
S 81 Xylenes, Total	106				0		30.0	28.8	
82 o-Xylene	106	16.150	16.150	0.000	94	921802	10.0	9.71	
83 Styrene	104	16.176	16.176	0.000	96	1307990	10.0	9.03	
84 Bromoform	173	16.475	16.475	0.000	96	1218326	10.0	10.0	
85 Isopropylbenzene	105	16.555	16.555	0.000	95	2903314	10.0	9.94	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	90	1474071	NC	NC	
87 1,1,2,2-Tetrachloroethane	83	16.972	16.972	0.000	94	1095155	10.0	9.44	
88 N-Propylbenzene	91	17.030	17.030	0.000	99	3187477	10.0	9.76	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	17.057	17.057	0.000	94	960446	10.0	9.44	
90 n-Decane	57	17.078	17.078	0.000	81	922626	10.0	9.39	
91 4-Ethyltoluene	105	17.153	17.153	0.000	98	2921393	10.0	9.64	
92 2-Chlorotoluene	91	17.201	17.201	0.000	97	2347424	10.0	9.66	
93 1,3,5-Trimethylbenzene	105	17.222	17.222	0.000	92	2536213	10.0	9.95	
94 Alpha Methyl Styrene	118	17.500	17.500	0.000	91	830774	10.0	7.08	
95 tert-Butylbenzene	119	17.607	17.607	0.000	93	2504065	10.0	9.91	
96 1,2,4-Trimethylbenzene	105	17.676	17.676	0.000	97	2544975	10.0	9.81	
97 sec-Butylbenzene	105	17.863	17.863	0.000	98	3478792	10.0	9.83	
98 4-Isopropyltoluene	119	18.018	18.018	0.000	97	3165585	10.0	10.0	
99 1,3-Dichlorobenzene	146	18.103	18.103	0.000	96	1800172	10.0	9.21	
100 1,4-Dichlorobenzene	146	18.215	18.215	0.000	95	1841989	10.0	9.47	
101 Benzyl chloride	91	18.381	18.381	0.000	99	1833224	10.0	9.66	
102 Undecane	57	18.482	18.482	0.000	86	1006419	10.0	9.33	
103 n-Butylbenzene	91	18.535	18.535	0.000	97	2549886	10.0	9.76	
104 1,2-Dichlorobenzene	146	18.717	18.717	0.000	96	1726257	10.0	9.44	
106 Dodecane	57	19.971	19.971	0.000	87	901907	10.0	8.15	
107 1,2,4-Trichlorobenzene	180	21.140	21.140	0.000	94	1330364	10.0	9.50	
108 Hexachlorobutadiene	225	21.305	21.305	0.000	89	956007	10.0	8.67	
109 Naphthalene	128	21.652	21.652	0.000	99	2808212	10.0	9.06	
110 1,2,3-Trichlorobenzene	180	22.138	22.138	0.000	96	1191963	10.0	8.93	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00381	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

Report Date: 15-Oct-2014 11:36:18 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_002.D

Injection Date: 14-Oct-2014 11:08:30 Instrument ID: CHB.i Operator ID: pad

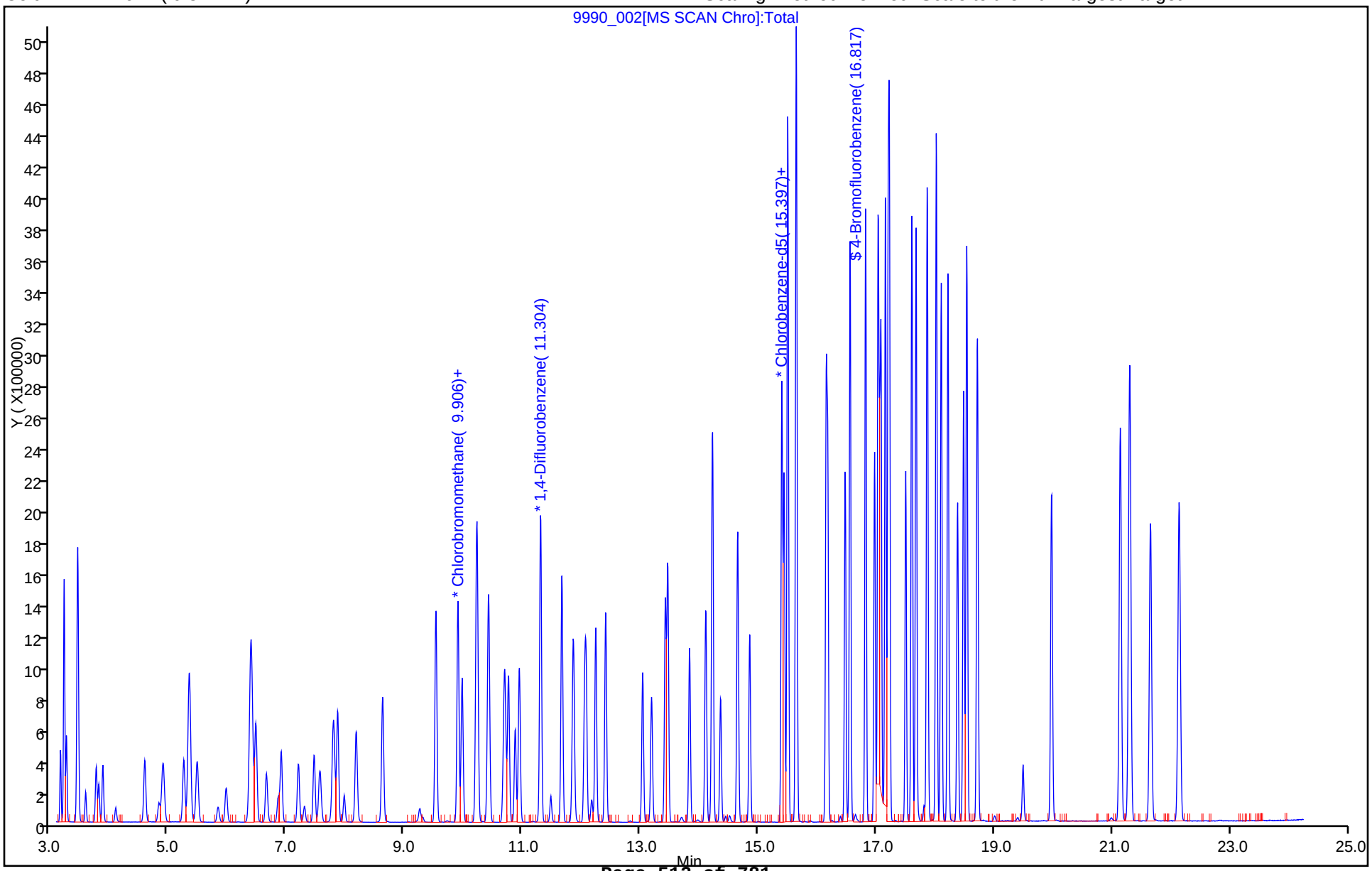
Lims ID: ccvis Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 1

Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Lab Sample ID: CCVIS 200-78704/2 Calibration Date: 10/15/2014 11:17

Instrument ID: CHB.i Calib Start Date: 09/21/2014 23:57

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/22/2014 06:01

Lab File ID: 10013_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4475	0.4226		9.44	10.0	-5.6	30.0
Freon 12	Ave	2.901	3.110		10.7	10.0	7.2	30.0
Freon 22	Ave	1.175	1.175		10.0	10.0	0.0	30.0
Freon-114	Ave	2.129	2.134		10.0	10.0	0.3	30.0
Chloromethane	Ave	0.4453	0.4138		9.29	10.0	-7.1	30.0
n-Butane	Ave	0.7435	0.6873		9.24	10.0	-7.6	30.0
Vinyl chloride	Ave	0.6296	0.5734		9.10	10.0	-8.9	30.0
1,3-Butadiene	Ave	0.4206	0.3861		9.18	10.0	-8.2	30.0
Bromomethane	Ave	0.8464	0.7934		9.37	10.0	-6.3	30.0
Chloroethane	Ave	0.3759	0.3296		8.77	10.0	-12.3	30.0
Isopentane	Ave	0.5873	0.5184		8.83	10.0	-11.7	30.0
Vinyl bromide	Ave	0.9820	0.9367		9.54	10.0	-4.6	30.0
Freon 11	Ave	3.355	3.390		10.1	10.0	1.0	30.0
n-Pentane	Ave	0.8810	0.7807		8.86	10.0	-11.4	30.0
Ethanol	Ave	0.1852	0.2094		17.0	15.0	13.1	30.0
Ethyl ether	Ave	0.4686	0.4207		8.98	10.0	-10.2	30.0
Acrolein	Ave	0.1817	0.1619		8.91	10.0	-10.9	30.0
Freon 113	Ave	2.013	1.931		9.59	10.0	-4.1	30.0
1,1-Dichloroethene	Ave	0.9045	0.8526		9.42	10.0	-5.7	30.0
Acetone	Ave	1.205	1.193		9.90	10.0	-1.0	30.0
Isopropyl alcohol	Ave	0.8246	0.5950		7.21	10.0	-27.9	30.0
Carbon disulfide	Ave	2.078	1.882		9.05	10.0	-9.4	30.0
Allyl chloride	Ave	0.6341	0.5614		8.85	10.0	-11.5	30.0
Acetonitrile	Ave	0.3197	0.2517		7.87	10.0	-21.3	30.0
Methylene Chloride	Ave	0.6997	0.6087		8.70	10.0	-13.0	30.0
tert-Butyl alcohol	Ave	1.719	1.333		7.75	10.0	-22.5	30.0
Methyl tert-butyl ether	Ave	2.768	2.615		9.44	10.0	-5.5	30.0
trans-1,2-Dichloroethene	Ave	1.103	1.024		9.28	10.0	-7.2	30.0
Acrylonitrile	Ave	0.3845	0.3341		8.69	10.0	-13.1	30.0
Hexane	Ave	0.9314	0.8559		9.19	10.0	-8.1	30.0
1,1-Dichloroethane	Ave	1.385	1.280		9.24	10.0	-7.6	30.0
Vinyl acetate	Ave	1.476	1.271		8.61	10.0	-13.9	30.0
cis-1,2-Dichloroethene	Ave	0.9893	0.9504		9.61	10.0	-3.9	30.0
Ethyl acetate	Ave	0.0804	0.0723		8.99	10.0	-10.1	30.0
Methyl Ethyl Ketone	Ave	0.4427	0.3608		8.15	10.0	-18.5	30.0
Tetrahydrofuran	Ave	0.1140	0.0959		8.41	10.0	-15.9	30.0
Chloroform	Ave	2.222	2.112		9.51	10.0	-4.9	30.0
1,1,1-Trichloroethane	Ave	0.5644	0.5681		10.1	10.0	0.7	30.0
Cyclohexane	Ave	0.2540	0.2440		9.60	10.0	-4.0	30.0
Carbon tetrachloride	Ave	0.6234	0.6400		10.3	10.0	2.7	30.0
2,2,4-Trimethylpentane	Ave	0.6432	0.6007		9.34	10.0	-6.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Lab Sample ID: CCVIS 200-78704/2 Calibration Date: 10/15/2014 11:17

Instrument ID: CHB.i Calib Start Date: 09/21/2014 23:57

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/22/2014 06:01

Lab File ID: 10013_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5355	0.4956		9.25	10.0	-7.5	30.0
1,2-Dichloroethane	Ave	0.3236	0.3133		9.68	10.0	-3.2	30.0
Heptane	Ave	0.1941	0.1808		9.31	10.0	-6.8	30.0
n-Butanol	Ave	0.0751	0.0505		6.73	10.0	-32.7*	30.0
Trichloroethene	Ave	0.2924	0.2892		9.89	10.0	-1.1	30.0
1,2-Dichloropropane	Ave	0.1621	0.1491		9.20	10.0	-8.0	30.0
Methyl methacrylate	Ave	0.1792	0.1622		9.05	10.0	-9.5	30.0
1,4-Dioxane	Ave	0.0958	0.0702		7.33	10.0	-26.7	30.0
Dibromomethane	Ave	0.2996	0.2933		9.79	10.0	-2.1	30.0
Bromodichloromethane	Ave	0.5169	0.5123		9.91	10.0	-0.9	30.0
cis-1,3-Dichloropropene	Ave	0.3144	0.3028		9.63	10.0	-3.7	30.0
methyl isobutyl ketone	Ave	0.2807	0.2491		8.87	10.0	-11.3	30.0
n-Octane	Ave	0.2763	0.2547		9.22	10.0	-7.8	30.0
Toluene	Ave	0.5032	0.4921		9.78	10.0	-2.2	30.0
trans-1,3-Dichloropropene	Ave	0.3651	0.3552		9.73	10.0	-2.7	30.0
1,1,2-Trichloroethane	Ave	0.2256	0.2175		9.64	10.0	-3.6	30.0
Tetrachloroethene	Ave	0.5188	0.5266		10.1	10.0	1.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3176	0.2775		8.74	10.0	-12.6	30.0
Dibromochloromethane	Ave	0.6614	0.6927		10.5	10.0	4.7	30.0
1,2-Dibromoethane	Ave	0.5029	0.5102		10.1	10.0	1.5	30.0
Chlorobenzene	Ave	0.8025	0.7770		9.68	10.0	-3.2	30.0
Ethylbenzene	Ave	1.221	1.168		9.57	10.0	-4.3	30.0
n-Nonane	Ave	0.3787	0.3521		9.29	10.0	-7.0	30.0
m,p-Xylene	Ave	0.5107	0.4966		19.4	20.0	-2.8	30.0
Xylene, o-	Ave	0.4995	0.4870		9.75	10.0	-2.5	30.0
Styrene	Ave	0.7621	0.6932		9.09	10.0	-9.0	30.0
Bromoform	Ave	0.6381	0.6622		10.4	10.0	3.8	30.0
Cumene	Ave	1.537	1.555		10.1	10.0	1.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6105	0.5814		9.52	10.0	-4.8	30.0
n-Propylbenzene	Ave	1.719	1.705		9.92	10.0	-0.8	30.0
1,2,3-Trichloropropane	Ave	0.5351	0.5113		9.55	10.0	-4.5	30.0
n-Decane	Ave	0.5169	0.4780		9.25	10.0	-7.5	30.0
4-Ethyltoluene	Ave	1.596	1.574		9.87	10.0	-1.3	30.0
2-Chlorotoluene	Ave	1.279	1.255		9.81	10.0	-1.9	30.0
1,3,5-Trimethylbenzene	Ave	1.341	1.360		10.1	10.0	1.4	30.0
Alpha Methyl Styrene	Ave	0.6177	0.4302		6.96	10.0	-30.4*	30.0
tert-Butylbenzene	Ave	1.330	1.354		10.2	10.0	1.8	30.0
1,2,4-Trimethylbenzene	Ave	1.366	1.362		9.97	10.0	-0.3	30.0
sec-Butylbenzene	Ave	1.863	1.872		10.0	10.0	0.5	30.0
4-Isopropyltoluene	Ave	1.661	1.715		10.3	10.0	3.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Lab Sample ID: CCVIS 200-78704/2 Calibration Date: 10/15/2014 11:17

Instrument ID: CHB.i Calib Start Date: 09/21/2014 23:57

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/22/2014 06:01

Lab File ID: 10013_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.029	0.9864		9.59	10.0	-4.1	30.0
1,4-Dichlorobenzene	Ave	1.023	1.008		9.85	10.0	-1.4	30.0
Benzyl chloride	Ave	0.999	0.9851		9.86	10.0	-1.4	30.0
n-Undecane	Ave	0.5676	0.5064		8.92	10.0	-10.8	30.0
n-Butylbenzene	Ave	1.375	1.374		9.99	10.0	-0.0	30.0
1,2-Dichlorobenzene	Ave	0.9626	0.9431		9.80	10.0	-2.0	30.0
n-Dodecane	Ave	0.5824	0.4939		8.48	10.0	-15.2	30.0
1,2,4-Trichlorobenzene	Ave	0.7371	0.7125		9.66	10.0	-3.3	30.0
Hexachloro-1,3-butadiene	Ave	0.5804	0.5333		9.19	10.0	-8.1	30.0
Naphthalene	Ave	1.630	1.507		9.24	10.0	-7.5	30.0
1,2,3-Trichlorobenzene	Ave	0.7022	0.6892		9.81	10.0	-1.9	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_002.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 15-Oct-2014 11:17:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010013-002
Misc. Info.: ccvis
Operator ID: pad Instrument ID: CHB.i
Sublist: chrom-TO15_LLNJ_TO3*sub5

Method: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 16-Oct-2014 11:43:38 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 16-Oct-2014 11:00:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
4 Propene	41	3.165	3.165	0.000	94	181391	10.0	9.44	
5 Dichlorodifluoromethane	85	3.224	3.224	0.000	99	1334775	10.0	10.7	
6 Chlorodifluoromethane	51	3.266	3.266	0.000	95	504471	10.0	10.0	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.453	3.453	0.000	94	915937	10.0	10.0	
8 Chloromethane	50	3.592	3.592	0.000	99	177591	10.0	9.29	
9 Butane	43	3.773	3.773	0.000	94	294991	10.0	9.24	
10 Vinyl chloride	62	3.816	3.816	0.000	98	246091	10.0	9.10	
11 Butadiene	54	3.880	3.880	0.000	94	165697	10.0	9.18	
12 Bromomethane	94	4.595	4.595	0.000	97	340533	10.0	9.37	
13 BFB									
14 Chloroethane	64	4.841	4.841	0.000	99	141483	10.0	8.77	
15 2-Methylbutane	43	4.910	4.910	0.000	85	222502	10.0	8.83	
16 Vinyl bromide	106	5.257	5.257	0.000	98	402016	10.0	9.54	
17 Trichlorofluoromethane	101	5.353	5.353	0.000	98	1454821	10.0	10.1	
18 Pentane	43	5.481	5.481	0.000	91	335092	10.0	8.86	
19 Ethanol	45	5.834	5.834	0.000	97	134890	15.0	17.0	
21 Ethyl ether	59	5.978	5.978	0.000	89	180564	10.0	8.98	
22 Acrolein	56	6.383	6.383	0.000	98	69487	10.0	8.91	
23 1,1,2-Trichloro-1,2,2-trif	101	6.399	6.399	0.000	95	828749	10.0	9.59	
24 1,1-Dichloroethene	96	6.479	6.479	0.000	97	365935	10.0	9.42	
25 Acetone	43	6.655	6.655	0.000	85	512213	10.0	9.90	
26 Isopropyl alcohol	45	6.858	6.858	0.000	97	255353	10.0	7.21	
27 Carbon disulfide	76	6.912	6.912	0.000	99	807661	10.0	9.05	
29 3-Chloro-1-propene	41	7.200	7.200	0.000	75	240961	10.0	8.85	
30 Acetonitrile	41	7.301	7.301	0.000	96	108019	10.0	7.87	
31 Methylene Chloride	49	7.467	7.467	0.000	79	261273	10.0	8.70	
32 2-Methyl-2-propanol	59	7.568	7.568	0.000	98	572138	10.0	7.75	
33 Methyl tert-butyl ether	73	7.798	7.798	0.000	94	1122378	10.0	9.44	
34 trans-1,2-Dichloroethene	61	7.867	7.867	0.000	88	439362	10.0	9.28	
35 Acrylonitrile	53	7.979	7.979	0.000	93	143409	10.0	8.69	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	8.182	8.182	0.000	87	367351	10.0	9.19	
37 1,1-Dichloroethane	63	8.625	8.625	0.000	99	549299	10.0	9.24	
38 Vinyl acetate	43	8.630	8.630	0.000	98	545561	10.0	8.61	
41 Ethyl acetate	88	9.532	9.532	0.000	96	31035	10.0	8.99	
39 cis-1,2-Dichloroethene	96	9.532	9.532	0.000	82	407904	10.0	9.61	
40 2-Butanone (MEK)	72	9.532	9.532	0.000	97	154855	10.0	8.15	
* 44 Chlorobromomethane	128	9.906	9.906	0.000	67	429284	10.0	10.0	
43 Tetrahydrofuran	42	9.906	9.906	0.000	76	198028	10.0	8.41	
45 Chloroform	83	9.975	9.975	0.000	100	906673	10.0	9.51	
S 42 1,2-Dichloroethene, Total	61				0		20.0	18.9	
47 1,1,1-Trichloroethane	97	10.226	10.226	0.000	95	1172996	10.0	10.1	
46 Cyclohexane	84	10.226	10.226	0.000	57	503818	10.0	9.60	
48 Carbon tetrachloride	117	10.423	10.423	0.000	97	1321480	10.0	10.3	
49 Isooctane	57	10.695	10.695	0.000	96	1240306	10.0	9.34	
50 Benzene	78	10.760	10.760	0.000	95	1023250	10.0	9.25	
51 1,2-Dichloroethane	62	10.877	10.877	0.000	98	646857	10.0	9.68	
52 n-Heptane	43	10.941	10.941	0.000	81	373313	10.0	9.31	
A 53 GRO	1	11.280	(4.900-17.088)		0	145052378	10.0	0	
* 54 1,4-Difluorobenzene	114	11.304	11.304	0.000	92	2065239	10.0	10.0	
56 n-Butanol	56	11.480	11.480	0.000	85	104322	10.0	6.73	
57 Trichloroethene	95	11.667	11.667	0.000	96	597227	10.0	9.89	
58 1,2-Dichloropropane	63	12.056	12.056	0.000	86	307882	10.0	9.20	
59 Methyl methacrylate	69	12.078	12.078	0.000	88	334926	10.0	9.05	
60 1,4-Dioxane	88	12.174	12.174	0.000	85	145044	10.0	7.33	
61 Dibromomethane	174	12.243	12.243	0.000	93	605590	10.0	9.79	
62 Dichlorobromomethane	83	12.409	12.409	0.000	98	1057776	10.0	9.91	
A 63 TVOC as Toluene	1	12.956	(3.155-22.148)		0	280816153	10.0	2702.1	
64 cis-1,3-Dichloropropene	75	13.038	13.038	0.000	92	625168	10.0	9.63	
65 4-Methyl-2-pentanone (MIBK	43	13.188	13.188	0.000	92	514293	10.0	8.87	
A 66 C8 Range	1	13.401	(13.373-13.453)		0	2942309	NC	NC	
67 n-Octane	43	13.423	13.423	0.000	73	525862	10.0	9.22	
68 Toluene	92	13.460	13.460	0.000	93	900001	10.0	9.78	
A 69 Toluene Range	1	13.475	(13.450-13.500)		0	3805998	NC	NC	
70 trans-1,3-Dichloropropene	75	13.834	13.834	0.000	96	733474	10.0	9.73	
71 1,1,2-Trichloroethane	83	14.106	14.106	0.000	90	397738	10.0	9.64	
72 Tetrachloroethene	166	14.223	14.223	0.000	96	963175	10.0	10.1	
73 2-Hexanone	43	14.357	14.357	0.000	91	507553	10.0	8.74	
74 Chlorodibromomethane	129	14.650	14.650	0.000	97	1266966	10.0	10.5	
75 Ethylene Dibromide	107	14.853	14.853	0.000	99	933167	10.0	10.1	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	84	1829349	10.0	10.0	
77 Chlorobenzene	112	15.435	15.435	0.000	97	1421140	10.0	9.68	
79 Ethylbenzene	91	15.499	15.499	0.000	97	2136722	10.0	9.57	
78 n-Nonane	57	15.499	15.499	0.000	62	643902	10.0	9.29	
80 m-Xylene & p-Xylene	106	15.643	15.643	0.000	0	1816685	20.0	19.4	
S 81 Xylenes, Total	106				0		30.0	29.2	
82 o-Xylene	106	16.150	16.150	0.000	94	890786	10.0	9.75	
83 Styrene	104	16.176	16.176	0.000	96	1267824	10.0	9.09	
84 Bromoform	173	16.470	16.470	0.000	96	1211117	10.0	10.4	
85 Isopropylbenzene	105	16.555	16.555	0.000	95	2844834	10.0	10.1	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	90	1419044	NC	NC	
87 1,1,2,2-Tetrachloroethane	83	16.972	16.972	0.000	94	1063429	10.0	9.52	
88 N-Propylbenzene	91	17.030	17.030	0.000	99	3118660	10.0	9.92	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	17.057	17.057	0.000	94	935065	10.0	9.55	
90 n-Decane	57	17.078	17.078	0.000	80	874279	10.0	9.25	
91 4-Ethyltoluene	105	17.153	17.153	0.000	98	2879707	10.0	9.87	
92 2-Chlorotoluene	91	17.201	17.201	0.000	97	2295530	10.0	9.81	
93 1,3,5-Trimethylbenzene	105	17.223	17.223	0.000	92	2487672	10.0	10.1	
94 Alpha Methyl Styrene	118	17.500	17.500	0.000	91	786841	10.0	6.96	
95 tert-Butylbenzene	119	17.601	17.601	0.000	93	2476200	10.0	10.2	
96 1,2,4-Trimethylbenzene	105	17.676	17.676	0.000	97	2490867	10.0	9.97	
97 sec-Butylbenzene	105	17.863	17.863	0.000	98	3423622	10.0	10.0	
98 4-Isopropyltoluene	119	18.018	18.018	0.000	98	3137612	10.0	10.3	
99 1,3-Dichlorobenzene	146	18.103	18.103	0.000	96	1804097	10.0	9.59	
100 1,4-Dichlorobenzene	146	18.215	18.215	0.000	96	1844446	10.0	9.85	
101 Benzyl chloride	91	18.381	18.381	0.000	99	1801687	10.0	9.86	
102 Undecane	57	18.482	18.482	0.000	86	926258	10.0	8.92	
103 n-Butylbenzene	91	18.535	18.535	0.000	97	2513592	10.0	10.0	
104 1,2-Dichlorobenzene	146	18.717	18.717	0.000	96	1724965	10.0	9.80	
106 Dodecane	57	19.971	19.971	0.000	87	903416	10.0	8.48	
107 1,2,4-Trichlorobenzene	180	21.140	21.140	0.000	94	1303112	10.0	9.66	
108 Hexachlorobutadiene	225	21.300	21.300	0.000	88	975440	10.0	9.19	
109 Naphthalene	128	21.652	21.652	0.000	99	2757075	10.0	9.24	
110 1,2,3-Trichlorobenzene	180	22.138	22.138	0.000	95	1260443	10.0	9.81	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00381	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

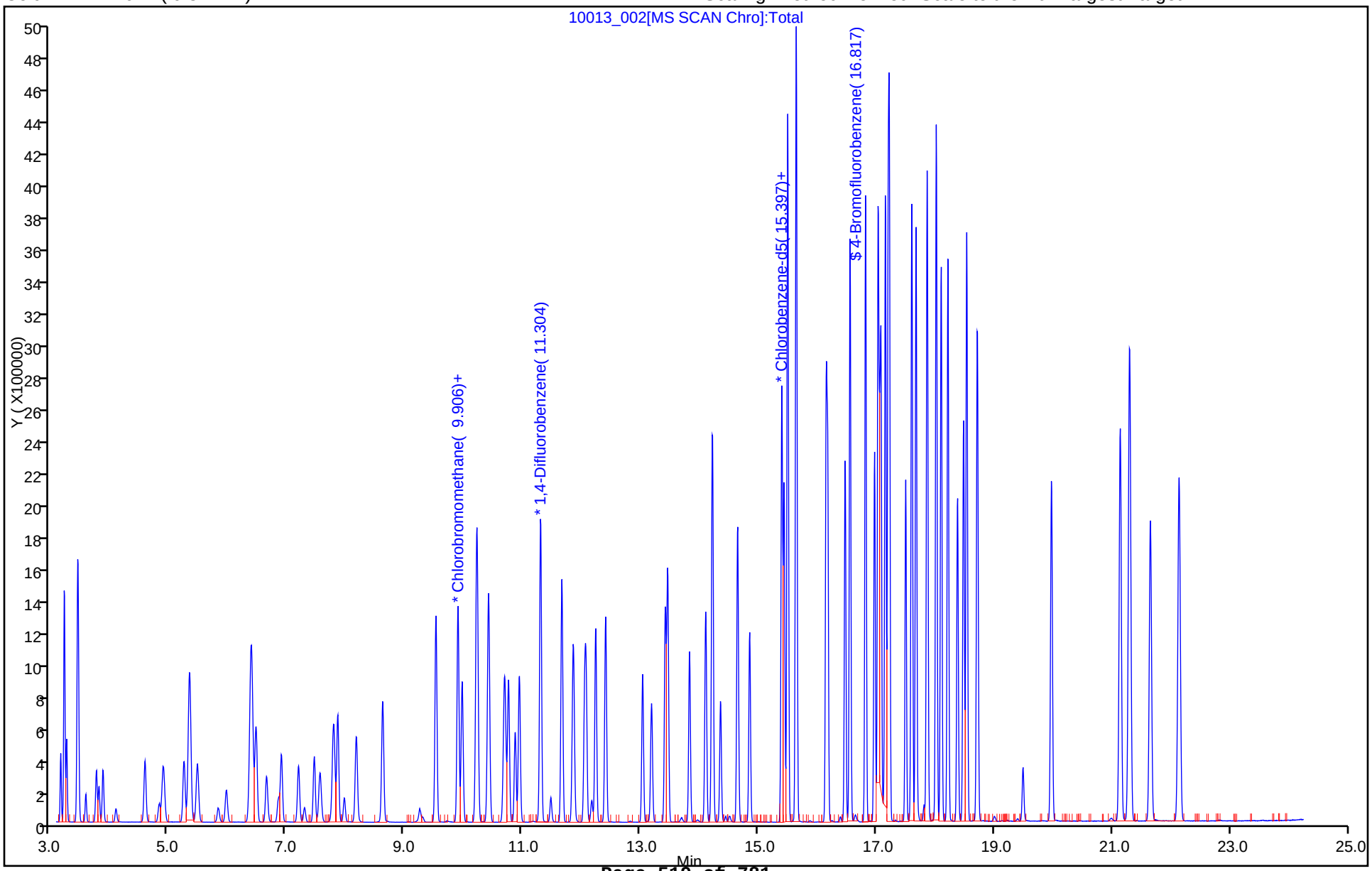
Report Date: 16-Oct-2014 11:43:39 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_002.D

Injection Date:	15-Oct-2014 11:17:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_001.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	21-Sep-2014 18:34:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Sample Info:	200-0009579-001				
Misc. Info.:	bfb				
Operator ID:	pad	Instrument ID:	CHB.i		
Method:	\\Btv-lims1\chromdata\CHB.i\20140921-9579.b\TO15_LLNJ_TO3.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	22-Sep-2014 10:27:44	Calib Date:	22-Sep-2014 06:01:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK015				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
13 BFB									
* 44 Chlorobromomethane	128	8.691	8.691	0.000	1	325	10.0	10.0	s
* 54 1,4-Difluorobenzene	114		11.315					0	
* 76 Chlorobenzene-d5	117		15.408					0	
$ 86 4-Bromofluorobenzene	95		16.828					ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

s - Failed ISTD Recovery Test

Reagents:

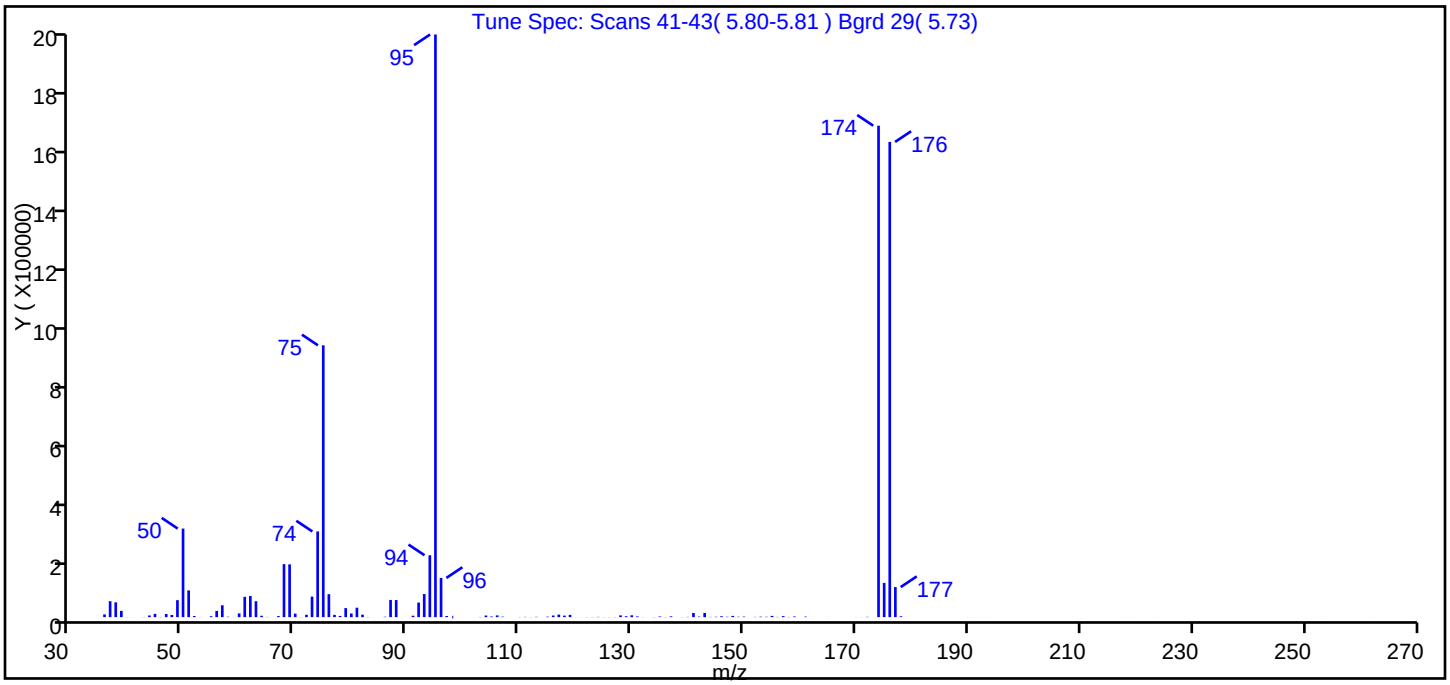
ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_001.D				
Injection Date:	21-Sep-2014 18:34:30	Instrument ID:	CHB.i		
Lims ID:	bfb				
Client ID:					
Operator ID:	pad	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Tune Method:	BFB Method TO-15				

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	15.20
75	30.00 - 66.00% of mass 95	46.70
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	84.30
175	4.00 - 9.00% of mass 174	5.90 (7.00)
176	93.00 - 101.00% of mass 174	81.60 (96.70)
177	5.00 - 9.00% of mass 176	5.20 (6.30)

Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_001.D\TO15_LLNJ_TO3.rslt\spectra.d
Injection Date: 21-Sep-2014 18:34:30
Spectrum: Tune Spec: Scans 41-43(5.80-5.81) Bgrd 29(5.73)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 153

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	9046	78.00	3979	122.00	450	162.00	137
37.00	52832	79.00	29928	123.00	482	165.00	121
38.00	49048	80.00	12044	124.00	877	170.00	111
39.00	20888	81.00	31240	125.00	405	171.00	228
40.00	380	82.00	8171	126.00	509	172.00	1030
41.00	129	83.00	498	127.00	485	174.00	1627648
43.00	398	84.00	62	128.00	5899	175.00	113296
44.00	5581	85.00	76	129.00	2972	176.00	1573888
45.00	10962	86.00	1323	130.00	6095	177.00	99592
46.00	673	87.00	56976	131.00	2353	178.00	2763
47.00	10376	88.00	56640	132.00	327	179.00	135
48.00	7180	91.00	4710	133.00	53	183.00	51
49.00	56296	92.00	48216	134.00	481	189.00	82
50.00	293376	93.00	76464	135.00	2094	190.00	139
51.00	88528	94.00	205056	136.00	504	191.00	107
52.00	3699	95.00	1929728	137.00	2630	192.00	62
53.00	304	96.00	129928	138.00	38	194.00	74
55.00	3046	97.00	3685	139.00	439	197.00	35
56.00	20560	98.00	4	140.00	822	198.00	39
57.00	39336	102.00	102	141.00	13798	202.00	50
58.00	1373	103.00	592	142.00	1709	206.00	41
59.00	121	104.00	5379	143.00	13911	211.00	42
60.00	12299	105.00	2109	144.00	776	218.00	60
61.00	67280	106.00	5766	145.00	1253	219.00	82
62.00	69856	107.00	1507	146.00	2910	221.00	49
63.00	52760	108.00	125	147.00	1193	224.00	79
64.00	4629	109.00	80	148.00	4115	230.00	35
65.00	590	110.00	533	149.00	1169	231.00	43
67.00	3574	111.00	882	150.00	1675	232.00	45
68.00	175552	112.00	530	151.00	110	240.00	38
69.00	174848	113.00	1020	152.00	788	247.00	57
70.00	11634	114.00	38	153.00	1593	252.00	101
71.00	434	115.00	1579	154.00	1204	253.00	88

Report Date: 22-Sep-2014 10:27:45 Chrom Revision: 2.2 18-Aug-2014 12:17:36
Data File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_001.D\TO15_LLNJ_TO3.rslt\spectra.d
Injection Date: 21-Sep-2014 18:34:30
Spectrum: Tune Spec: Scans 41-43(5.80-5.81) Bgrd 29(5.73)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 153

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	7809	116.00	5344	155.00	4141	254.00	47
73.00	68024	117.00	8411	156.00	774	261.00	40
74.00	283840	118.00	5057	157.00	3476	262.00	56
75.00	900288	119.00	7485	158.00	642		
76.00	76032	120.00	192	159.00	2186		
77.00	7406	121.00	119	161.00	1731		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_001.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	14-Oct-2014 10:16:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Sample Info:	200-0009990-001				
Misc. Info.:	bfb				
Operator ID:	pad	Instrument ID:	CHB.i		
Method:	\\Btv-lims1\chromdata\CHB.i\20141014-9990.b\TO15_LLNJ_TO3.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	15-Oct-2014 11:36:17	Calib Date:	22-Sep-2014 06:01:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK033				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
13 BFB									
* 44 Chlorobromomethane	128	8.718	8.718	0.000	1	65	10.0	10.0	s
* 54 1,4-Difluorobenzene	114		11.309					0	
* 76 Chlorobenzene-d5	117		15.397					0	
$ 86 4-Bromofluorobenzene	95		16.817					ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

s - Failed ISTD Recovery Test

Reagents:

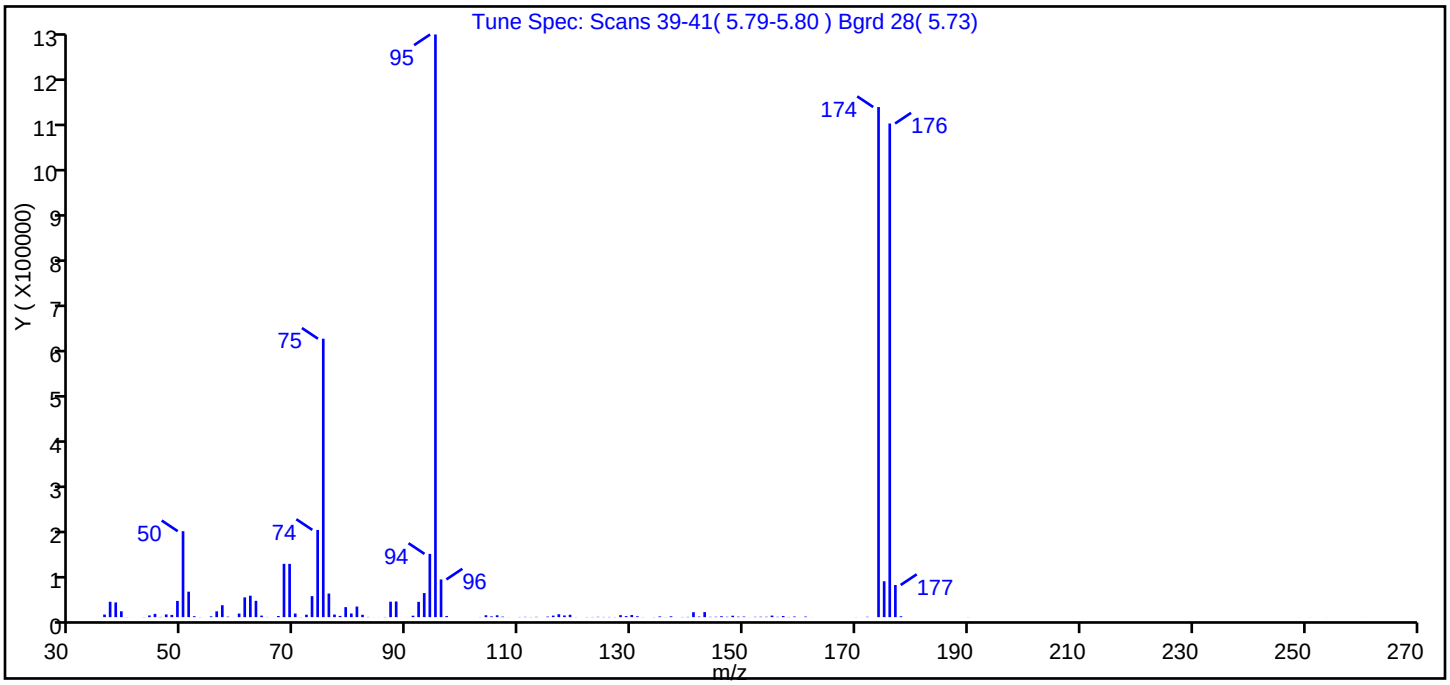
ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_001.D				
Injection Date:	14-Oct-2014 10:16:30	Instrument ID:	CHB.i		
Lims ID:	bfb				
Client ID:					
Operator ID:	pad	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Tune Method:	BFB Method TO-15				

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.80
75	30.00 - 66.00% of mass 95	47.80
96	5.00 - 9.00% of mass 95	6.50
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	87.50
175	4.00 - 9.00% of mass 174	6.20 (7.00)
176	93.00 - 101.00% of mass 174	84.70 (96.80)
177	5.00 - 9.00% of mass 176	5.50 (6.50)

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_001.D\TO15_LLNJ_TO3.rslt\spectra.d
Injection Date: 14-Oct-2014 10:16:30
Spectrum: Tune Spec: Scans 39-41(5.79-5.80) Bgrd 28(5.73)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 144

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5575	75.00	597248	118.00	3568	156.00	701
37.00	33024	76.00	50640	119.00	5135	157.00	2501
38.00	31528	77.00	5595	120.00	269	158.00	441
39.00	12582	78.00	2629	122.00	374	159.00	1345
40.00	295	79.00	21448	123.00	403	160.00	110
41.00	62	80.00	7805	124.00	698	161.00	1278
43.00	270	81.00	22720	125.00	441	162.00	98
44.00	3653	82.00	5071	126.00	469	163.00	47
45.00	7053	83.00	501	127.00	246	166.00	40
46.00	491	84.00	121	128.00	4328	168.00	33
47.00	5810	85.00	79	129.00	2239	170.00	173
48.00	4784	86.00	371	130.00	4539	171.00	60
49.00	34800	87.00	33144	131.00	1845	172.00	786
50.00	184384	88.00	33576	132.00	283	174.00	1094144
51.00	54608	90.00	33	134.00	293	175.00	76976
52.00	2022	91.00	3030	135.00	1581	176.00	1058816
53.00	257	92.00	32824	136.00	191	177.00	68968
55.00	1753	93.00	51648	137.00	1783	178.00	1867
56.00	12439	94.00	135680	138.00	42	190.00	183
57.00	25560	95.00	1249792	139.00	410	191.00	18
58.00	1096	96.00	80872	140.00	540	194.00	33
59.00	63	97.00	2309	141.00	10589	203.00	34
60.00	7686	103.00	262	142.00	1204	208.00	43
61.00	42384	104.00	4063	143.00	10812	221.00	40
62.00	45976	105.00	1657	144.00	675	222.00	45
63.00	34992	106.00	4020	145.00	813	233.00	34
64.00	3301	107.00	1124	146.00	1911	236.00	46
65.00	396	108.00	167	147.00	811	239.00	50
67.00	2442	110.00	418	148.00	3025	242.00	47
68.00	114320	111.00	638	149.00	989	247.00	35
69.00	114264	112.00	354	150.00	1217	249.00	104
70.00	7713	113.00	636	151.00	142	251.00	92
71.00	262	114.00	37	152.00	716	252.00	36

Report Date: 15-Oct-2014 11:36:17 Chrom Revision: 2.2 07-Oct-2014 12:16:06
Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_001.D\TO15_LLNJ_TO3.rslt\spectra.d
Injection Date: 14-Oct-2014 10:16:30
Spectrum: Tune Spec: Scans 39-41(5.79-5.80) Bgrd 28(5.73)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 144

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	5238	115.00	1236	153.00	893	254.00	82
73.00	45048	116.00	3290	154.00	788	260.00	55
74.00	187136	117.00	6231	155.00	3327	261.00	48

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_001.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	15-Oct-2014 10:28:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Sample Info:	200-0010013-001				
Misc. Info.:	bfb				
Operator ID:	pad	Instrument ID:	CHB.i		
Method:	\\Btv-lims1\chromdata\CHB.i\20141015-10013.b\TO15_LLNJ_TO3.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	16-Oct-2014 11:43:36	Calib Date:	22-Sep-2014 06:01:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK025				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
13 BFB									
* 44 Chlorobromomethane	128	8.681	8.681	0.000	1	84	10.0	10.0	s
* 54 1,4-Difluorobenzene	114		11.304					0	
* 76 Chlorobenzene-d5	117		15.397					0	
$ 86 4-Bromofluorobenzene	95		16.817					ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

s - Failed ISTD Recovery Test

Reagents:

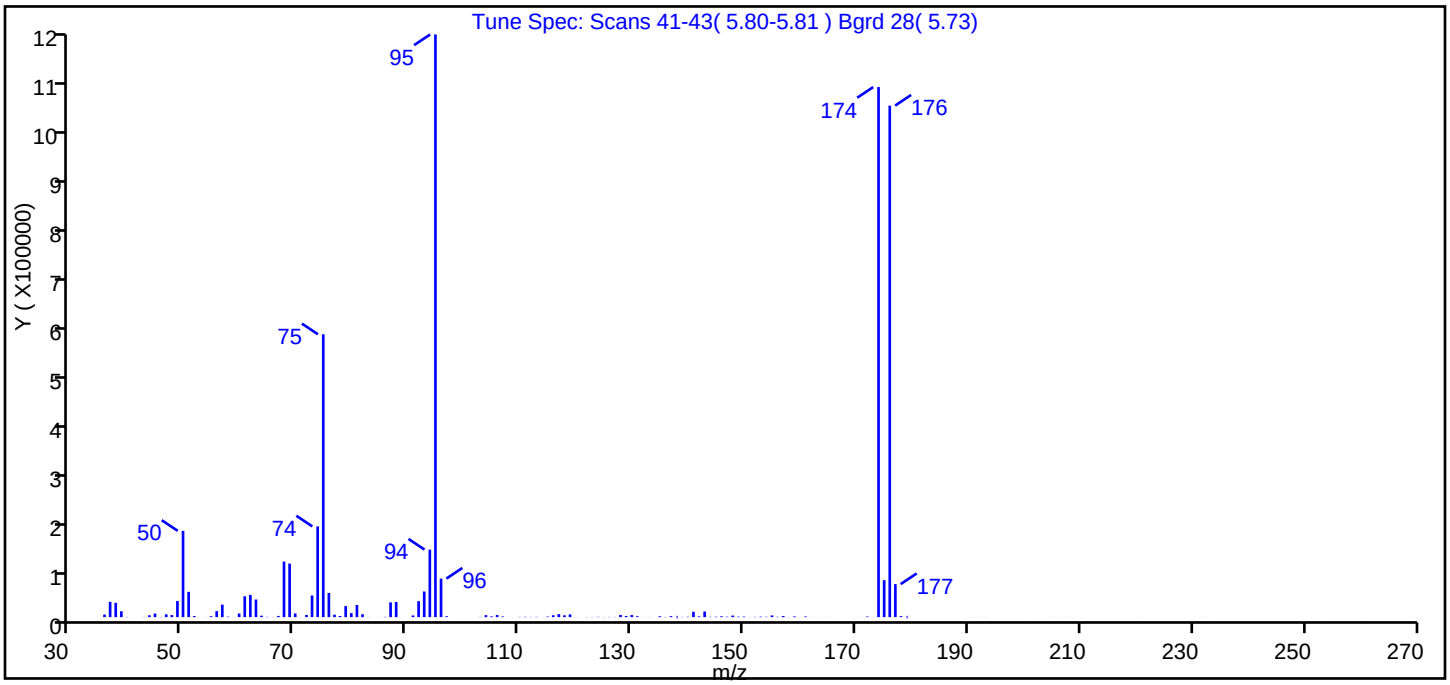
ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_001.D
Injection Date: 15-Oct-2014 10:28:30 Instrument ID: CHB.i
Lims ID: bfb
Client ID:
Operator ID: pad ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.80
75	30.00 - 66.00% of mass 95	48.50
96	5.00 - 9.00% of mass 95	6.60
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	91.00
175	4.00 - 9.00% of mass 174	6.30 (7.00)
176	93.00 - 101.00% of mass 174	87.80 (96.50)
177	5.00 - 9.00% of mass 176	5.70 (6.50)

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_001.D\TO15_LLNJ_TO3.rslt\spectra.d
Injection Date: 15-Oct-2014 10:28:30
Spectrum: Tune Spec: Scans 41-43(5.80-5.81) Bgrd 28(5.73)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 152

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5132	75.00	558016	120.00	233	159.00	1457
37.00	30176	76.00	47840	122.00	288	160.00	85
38.00	28240	77.00	4784	123.00	357	161.00	1373
39.00	11648	78.00	2283	124.00	614	162.00	99
40.00	435	79.00	21880	125.00	266	164.00	70
42.00	49	80.00	8000	126.00	396	165.00	119
43.00	265	81.00	23888	127.00	360	168.00	48
44.00	3703	82.00	5684	128.00	4312	170.00	79
45.00	7035	83.00	298	129.00	2299	171.00	105
46.00	344	85.00	42	130.00	4108	172.00	1164
47.00	5552	86.00	577	131.00	1703	174.00	1045696
48.00	4029	87.00	29104	132.00	101	175.00	72928
49.00	31792	88.00	29856	133.00	208	176.00	1009088
50.00	170240	91.00	3335	134.00	41	177.00	65200
51.00	49920	92.00	31552	135.00	1726	178.00	1951
52.00	2186	93.00	50616	136.00	367	179.00	2
53.00	50	94.00	133248	137.00	1998	183.00	38
54.00	215	95.00	1149440	138.00	2	186.00	36
55.00	1790	96.00	76016	139.00	425	190.00	39
56.00	11907	97.00	1761	140.00	711	191.00	150
57.00	24680	98.00	55	141.00	10637	192.00	88
58.00	920	103.00	460	142.00	1403	193.00	118
59.00	103	104.00	3924	143.00	11123	197.00	48
60.00	7159	105.00	1482	144.00	595	201.00	39
61.00	41168	106.00	4237	145.00	861	202.00	34
62.00	43864	107.00	1285	146.00	1644	205.00	85
63.00	34744	108.00	35	147.00	913	207.00	114
64.00	2907	109.00	40	148.00	3120	208.00	192
65.00	532	110.00	474	149.00	983	209.00	57
66.00	164	111.00	727	150.00	1089	211.00	39
67.00	2428	112.00	387	151.00	173	216.00	40
68.00	109664	113.00	573	152.00	500	220.00	108
69.00	105664	114.00	34	153.00	991	223.00	35

Report Date: 16-Oct-2014 11:43:37 Chrom Revision: 2.2 07-Oct-2014 12:16:06
Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_001.D\TO15_LLNJ_TO3.rslt\spectra.d
Injection Date: 15-Oct-2014 10:28:30
Spectrum: Tune Spec: Scans 41-43(5.80-5.81) Bgrd 28(5.73)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 152

m/z	Y	m/z	Y	m/z	Y	m/z	Y
70.00	7311	115.00	1101	154.00	650	232.00	95
71.00	180	116.00	3717	155.00	3374	233.00	55
72.00	4433	117.00	5894	156.00	654	251.00	33
73.00	42664	118.00	3628	157.00	2300	254.00	52
74.00	179008	119.00	5417	158.00	281	261.00	59

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: MB 200-78645/4

Matrix: Air Lab File ID: 9990_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/14/2014 12:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50	U	0.50	0.056
75-45-6	Freon 22	86.47	0.50	U	0.50	0.080
76-14-2	Freon-114	170.92	0.20	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.060
106-97-8	n-Butane	58.12	0.50	U	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.026
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.061
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.020
75-69-4	Freon 11	137.37	0.20	U	0.20	0.045
76-13-1	Freon 113	187.38	0.20	U	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.010
67-64-1	Acetone	58.08	5.0	U	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.030
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.027
110-54-3	Hexane	86.17	0.20	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.053
67-66-3	Chloroform	119.38	0.20	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.023
71-43-2	Benzene	78.11	0.20	U	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.052
142-82-5	Heptane	100.21	0.20	U	0.20	0.037

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: MB 200-78645/4

Matrix: Air Lab File ID: 9990_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/14/2014 12:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.030
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.18
108-88-3	Toluene	92.14	0.20	U	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.025
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.041
100-42-5	Styrene	104.15	0.20	U	0.20	0.016
75-25-2	Bromoform	252.75	0.20	U	0.20	0.025
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.019
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.028

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: MB 200-78645/4

Matrix: Air Lab File ID: 9990_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/14/2014 12:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.034
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.030

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: MB 200-78645/4

Matrix: Air Lab File ID: 9990_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/14/2014 12:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	U	2.5	0.28
75-45-6	Freon 22	86.47	1.8	U	1.8	0.28
76-14-2	Freon-114	170.92	1.4	U	1.4	0.36
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.12
106-97-8	n-Butane	58.12	1.2	U	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.066
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.17
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.16
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.087
75-69-4	Freon 11	137.37	1.1	U	1.1	0.25
76-13-1	Freon 113	187.38	1.5	U	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.040
67-64-1	Acetone	58.08	12	U	12	1.6
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.37
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.093
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.21
67-66-3	Chloroform	119.38	0.98	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.11
71-43-2	Benzene	78.11	0.64	U	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.21
142-82-5	Heptane	100.21	0.82	U	0.82	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: MB 200-78645/4

Matrix: Air Lab File ID: 9990_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/14/2014 12:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.16
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	18	U	18	0.58
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.74
108-88-3	Toluene	92.14	0.75	U	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.087
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.11
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.18
100-42-5	Styrene	104.15	0.85	U	0.85	0.068
75-25-2	Bromoform	252.75	2.1	U	2.1	0.26
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.11
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: MB 200-78645/4

Matrix: Air Lab File ID: 9990_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/14/2014 12:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.25
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.38
91-20-3	Naphthalene	128.17	2.6	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_004.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 14-Oct-2014 12:52:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009990-004
Misc. Info.: mb
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 15-Oct-2014 11:36:18 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: daiglep Date: 15-Oct-2014 11:05:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
4 Propene	41		3.160					ND	
5 Dichlorodifluoromethane	85		3.224					ND	
6 Chlorodifluoromethane	51		3.261					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.453					ND	
8 Chloromethane	50		3.587					ND	
9 Butane	43		3.768					ND	
10 Vinyl chloride	62		3.811					ND	
11 Butadiene	54		3.880					ND	
12 Bromomethane	94		4.590					ND	
14 Chloroethane	64		4.830					ND	
15 2-Methylbutane	43		4.894					ND	
16 Vinyl bromide	106		5.252					ND	
17 Trichlorofluoromethane	101		5.348					ND	
18 Pentane	43		5.481					ND	
19 Ethanol	45		5.833					ND	
21 Ethyl ether	59		5.972					ND	
22 Acrolein	56		6.378					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.394					ND	
24 1,1-Dichloroethene	96		6.479					ND	
25 Acetone	43		6.655					ND	
26 Isopropyl alcohol	45		6.858					ND	
27 Carbon disulfide	76		6.906					ND	
29 3-Chloro-1-propene	41		7.200					ND	
T 28 Methyl Acetate TIC	43		7.200					0	
30 Acetonitrile	41		7.296					ND	
31 Methylene Chloride	49		7.461					ND	
32 2-Methyl-2-propanol	59		7.563					ND	
33 Methyl tert-butyl ether	73		7.792					ND	
34 trans-1,2-Dichloroethene	61		7.862					ND	
35 Acrylonitrile	53		7.974					ND	
36 Hexane	57		8.176					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63		8.625					ND	
38 Vinyl acetate	43		8.630					ND	
* 44 Chlorobromomethane	128	9.900	9.906	-0.006	68	452592	10.0	10.0	
39 cis-1,2-Dichloroethene	96		9.532					ND	
40 2-Butanone (MEK)	72		9.532					ND	
41 Ethyl acetate	88		9.532					ND	
43 Tetrahydrofuran	42		9.900					ND	
45 Chloroform	83		9.975					ND	
S 42 1,2-Dichloroethene, Total	61		10.000					0	
46 Cyclohexane	84		10.220					ND	
47 1,1,1-Trichloroethane	97		10.226					ND	
48 Carbon tetrachloride	117		10.423					ND	
49 Isooctane	57		10.695					ND	
50 Benzene	78		10.759					ND	
51 1,2-Dichloroethane	62		10.877					ND	
52 n-Heptane	43		10.946					ND	
A 53 GRO	1	10.986	(4.884-17.088)		0	473814		0	
* 54 1,4-Difluorobenzene	114	11.304	11.309	-0.005	93	2228964	10.0	10.0	
56 n-Butanol	56		11.480					ND	
T 55 Methyl cyclohexane TIC	55		11.500					0	
57 Trichloroethene	95		11.667					ND	
58 1,2-Dichloropropane	63		12.051					ND	
59 Methyl methacrylate	69		12.078					ND	
60 1,4-Dioxane	88		12.174					ND	
61 Dibromomethane	174		12.243					ND	
62 Dichlorobromomethane	83		12.409					ND	
A 63 TVOC as Toluene	1	12.649	(3.150-22.148)		0	916120		8.17	
64 cis-1,3-Dichloropropene	75		13.038					ND	
65 4-Methyl-2-pentanone (MIBK	43		13.188					ND	
A 66 C8 Range	1		(13.373-13.453)					ND	
67 n-Octane	43		13.423					ND	
68 Toluene	92		13.465					ND	
A 69 Toluene Range	1	13.480	(13.455-13.505)		0	1248		NC	
70 trans-1,3-Dichloropropene	75		13.834					ND	
71 1,1,2-Trichloroethane	83		14.106					ND	
72 Tetrachloroethene	166		14.223					ND	
73 2-Hexanone	43		14.357					ND	
74 Chlorodibromomethane	129		14.650					ND	
75 Ethylene Dibromide	107		14.853					ND	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	84	1988635	10.0	10.0	
77 Chlorobenzene	112		15.435					ND	
79 Ethylbenzene	91		15.499					ND	
78 n-Nonane	57		15.499					ND	
80 m-Xylene & p-Xylene	106		15.643					ND	
S 81 Xylenes, Total	106		16.000					0	
82 o-Xylene	106		16.150					ND	
83 Styrene	104		16.176					ND	
84 Bromoform	173		16.475					ND	
85 Isopropylbenzene	105		16.555					ND	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	90	1479673	NC	NC	
87 1,1,2,2-Tetrachloroethane	83		16.972					ND	
88 N-Propylbenzene	91		17.030					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75		17.057					ND	
90 n-Decane	57		17.078					ND	
91 4-Ethyltoluene	105		17.153					ND	
92 2-Chlorotoluene	91		17.201					ND	
93 1,3,5-Trimethylbenzene	105		17.222					ND	
94 Alpha Methyl Styrene	118		17.500					ND	
95 tert-Butylbenzene	119		17.607					ND	
96 1,2,4-Trimethylbenzene	105		17.676					ND	
97 sec-Butylbenzene	105		17.863					ND	
98 4-Isopropyltoluene	119		18.018					ND	
99 1,3-Dichlorobenzene	146		18.103					ND	
100 1,4-Dichlorobenzene	146		18.215					ND	
101 Benzyl chloride	91		18.381					ND	
102 Undecane	57		18.482					ND	
103 n-Butylbenzene	91		18.535					ND	
104 1,2-Dichlorobenzene	146		18.717					ND	
T 105 1,2-Dibromo-3-Chloropropan	75		19.300					0	
106 Dodecane	57		19.971					ND	
107 1,2,4-Trichlorobenzene	180		21.140					ND	
108 Hexachlorobutadiene	225		21.305					ND	
109 Naphthalene	128		21.652					ND	
110 1,2,3-Trichlorobenzene	180		22.138					ND	
111 Total Alkanes	1		0.000					ND	
T 115 Methyl acetylene TIC	1		0.000					0	
T 116 1,1,1,2-Tetrachloroethane	1		0.000					0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

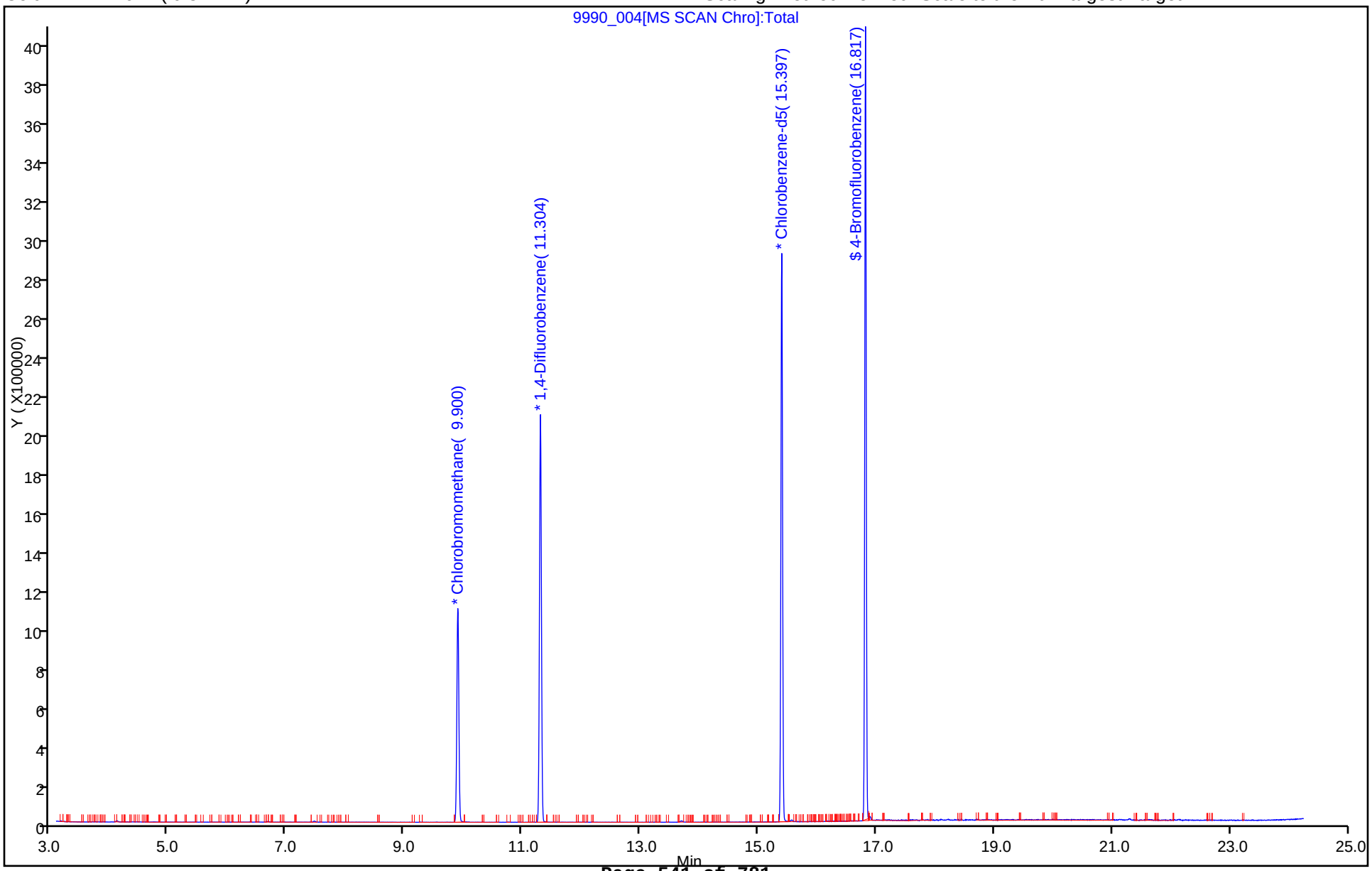
Report Date: 15-Oct-2014 11:36:20 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_004.D

Injection Date:	14-Oct-2014 12:52:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: MB 200-78704/4

Matrix: Air Lab File ID: 10013_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 13:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50	U	0.50	0.056
75-45-6	Freon 22	86.47	0.50	U	0.50	0.080
76-14-2	Freon-114	170.92	0.20	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.060
106-97-8	n-Butane	58.12	0.50	U	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.026
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.061
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.020
75-69-4	Freon 11	137.37	0.20	U	0.20	0.045
76-13-1	Freon 113	187.38	0.20	U	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.010
67-64-1	Acetone	58.08	5.0	U	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.030
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.027
110-54-3	Hexane	86.17	0.20	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.053
67-66-3	Chloroform	119.38	0.20	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.023
71-43-2	Benzene	78.11	0.20	U	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.052
142-82-5	Heptane	100.21	0.20	U	0.20	0.037

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: MB 200-78704/4

Matrix: Air Lab File ID: 10013_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 13:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.030
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.18
108-88-3	Toluene	92.14	0.20	U	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.025
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.041
100-42-5	Styrene	104.15	0.20	U	0.20	0.016
75-25-2	Bromoform	252.75	0.20	U	0.20	0.025
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.019
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.028

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: MB 200-78704/4

Matrix: Air Lab File ID: 10013_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 13:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.034
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.030

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: MB 200-78704/4

Matrix: Air Lab File ID: 10013_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 13:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	U	2.5	0.28
75-45-6	Freon 22	86.47	1.8	U	1.8	0.28
76-14-2	Freon-114	170.92	1.4	U	1.4	0.36
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.12
106-97-8	n-Butane	58.12	1.2	U	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.066
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.17
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.16
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.087
75-69-4	Freon 11	137.37	1.1	U	1.1	0.25
76-13-1	Freon 113	187.38	1.5	U	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.040
67-64-1	Acetone	58.08	12	U	12	1.6
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.37
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.093
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.21
67-66-3	Chloroform	119.38	0.98	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.11
71-43-2	Benzene	78.11	0.64	U	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.21
142-82-5	Heptane	100.21	0.82	U	0.82	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: MB 200-78704/4

Matrix: Air Lab File ID: 10013_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 13:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.16
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	18	U	18	0.58
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.74
108-88-3	Toluene	92.14	0.75	U	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.087
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.11
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.18
100-42-5	Styrene	104.15	0.85	U	0.85	0.068
75-25-2	Bromoform	252.75	2.1	U	2.1	0.26
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.11
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: MB 200-78704/4

Matrix: Air Lab File ID: 10013_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 13:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.25
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.38
91-20-3	Naphthalene	128.17	2.6	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 15-Oct-2014 13:01:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010013-004
Misc. Info.: mb
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 16-Oct-2014 11:43:38 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 16-Oct-2014 11:02:26

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
4	Propene	41		3.165					ND	
5	Dichlorodifluoromethane	85		3.224					ND	
6	Chlorodifluoromethane	51		3.266					ND	
7	1,2-Dichloro-1,1,2,2-tetra	85		3.453					ND	
8	Chloromethane	50		3.592					ND	
9	Butane	43		3.773					ND	
10	Vinyl chloride	62		3.816					ND	
11	Butadiene	54		3.880					ND	
12	Bromomethane	94		4.595					ND	
14	Chloroethane	64		4.841					ND	
15	2-Methylbutane	43		4.910					ND	
16	Vinyl bromide	106		5.257					ND	
17	Trichlorofluoromethane	101		5.353					ND	
18	Pentane	43		5.481					ND	
19	Ethanol	45		5.834					ND	
21	Ethyl ether	59		5.978					ND	
22	Acrolein	56		6.383					ND	
23	1,1,2-Trichloro-1,2,2-trif	101		6.399					ND	
24	1,1-Dichloroethene	96		6.479					ND	
25	Acetone	43		6.655					ND	
26	Isopropyl alcohol	45		6.858					ND	
27	Carbon disulfide	76		6.912					ND	
29	3-Chloro-1-propene	41		7.200					ND	
T 28	Methyl Acetate TIC	43		7.200					0	
30	Acetonitrile	41		7.301					ND	
31	Methylene Chloride	49		7.467					ND	
32	2-Methyl-2-propanol	59		7.568					ND	
33	Methyl tert-butyl ether	73		7.798					ND	
34	trans-1,2-Dichloroethene	61		7.867					ND	
35	Acrylonitrile	53		7.979					ND	
36	Hexane	57		8.182					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63		8.625					ND	
38 Vinyl acetate	43		8.630					ND	
* 44 Chlorobromomethane	128	9.906	9.906	0.000	68	449321	10.0	10.0	
39 cis-1,2-Dichloroethene	96		9.532					ND	
40 2-Butanone (MEK)	72		9.532					ND	
41 Ethyl acetate	88		9.532					ND	
43 Tetrahydrofuran	42		9.906					ND	
45 Chloroform	83		9.975					ND	
S 42 1,2-Dichloroethene, Total	61		10.000					0	
47 1,1,1-Trichloroethane	97		10.226					ND	
46 Cyclohexane	84		10.226					ND	
48 Carbon tetrachloride	117		10.423					ND	
49 Isooctane	57		10.695					ND	
50 Benzene	78		10.760					ND	
51 1,2-Dichloroethane	62		10.877					ND	
52 n-Heptane	43		10.941					ND	
A 53 GRO	1	10.994	(4.900-17.088)		0	482964		0	
* 54 1,4-Difluorobenzene	114	11.304	11.304	0.000	93	2217813	10.0	10.0	
56 n-Butanol	56		11.480					ND	
T 55 Methyl cyclohexane TIC	55		11.500					0	
57 Trichloroethene	95		11.667					ND	
58 1,2-Dichloropropane	63		12.056					ND	
59 Methyl methacrylate	69		12.078					ND	
60 1,4-Dioxane	88		12.174					ND	
61 Dibromomethane	174		12.243					ND	
62 Dichlorobromomethane	83		12.409					ND	
A 63 TVOC as Toluene	1	12.651	(3.155-22.148)		0	911457		8.17	
64 cis-1,3-Dichloropropene	75		13.038					ND	
65 4-Methyl-2-pentanone (MIBK	43		13.188					ND	
A 66 C8 Range	1	13.429	(13.373-13.453)		0	1247		NC	
67 n-Octane	43		13.423					ND	
68 Toluene	92		13.460					ND	
A 69 Toluene Range	1	13.475	(13.450-13.500)		0	1794		NC	
70 trans-1,3-Dichloropropene	75		13.834					ND	
71 1,1,2-Trichloroethane	83		14.106					ND	
72 Tetrachloroethene	166		14.223					ND	
73 2-Hexanone	43		14.357					ND	
74 Chlorodibromomethane	129		14.650					ND	
75 Ethylene Dibromide	107		14.853					ND	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	84	1962668	10.0	10.0	
77 Chlorobenzene	112		15.435					ND	
79 Ethylbenzene	91		15.499					ND	
78 n-Nonane	57		15.499					ND	
80 m-Xylene & p-Xylene	106		15.643					ND	
S 81 Xylenes, Total	106		16.000					0	
82 o-Xylene	106		16.150					ND	
83 Styrene	104		16.176					ND	
84 Bromoform	173		16.470					ND	
85 Isopropylbenzene	105		16.555					ND	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	90	1443051	NC	NC	
87 1,1,2,2-Tetrachloroethane	83		16.972					ND	
88 N-Propylbenzene	91		17.030					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75		17.057					ND	
90 n-Decane	57		17.078					ND	
91 4-Ethyltoluene	105		17.153					ND	
92 2-Chlorotoluene	91		17.201					ND	
93 1,3,5-Trimethylbenzene	105		17.223					ND	
94 Alpha Methyl Styrene	118		17.500					ND	
95 tert-Butylbenzene	119		17.601					ND	
96 1,2,4-Trimethylbenzene	105		17.676					ND	
97 sec-Butylbenzene	105		17.863					ND	
98 4-Isopropyltoluene	119		18.018					ND	
99 1,3-Dichlorobenzene	146		18.103					ND	
100 1,4-Dichlorobenzene	146		18.215					ND	
101 Benzyl chloride	91		18.381					ND	
102 Undecane	57		18.482					ND	
103 n-Butylbenzene	91		18.535					ND	
104 1,2-Dichlorobenzene	146		18.717					ND	
T 105 1,2-Dibromo-3-Chloropropan	75		19.300					0	
106 Dodecane	57		19.971					ND	
107 1,2,4-Trichlorobenzene	180		21.140					ND	
108 Hexachlorobutadiene	225		21.300					ND	
109 Naphthalene	128		21.652					ND	
110 1,2,3-Trichlorobenzene	180		22.138					ND	
111 Total Alkanes	1		0.000					ND	
T 115 Methyl acetylene TIC	1		0.000					0	
T 116 1,1,1,2-Tetrachloroethane	1		0.000					0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

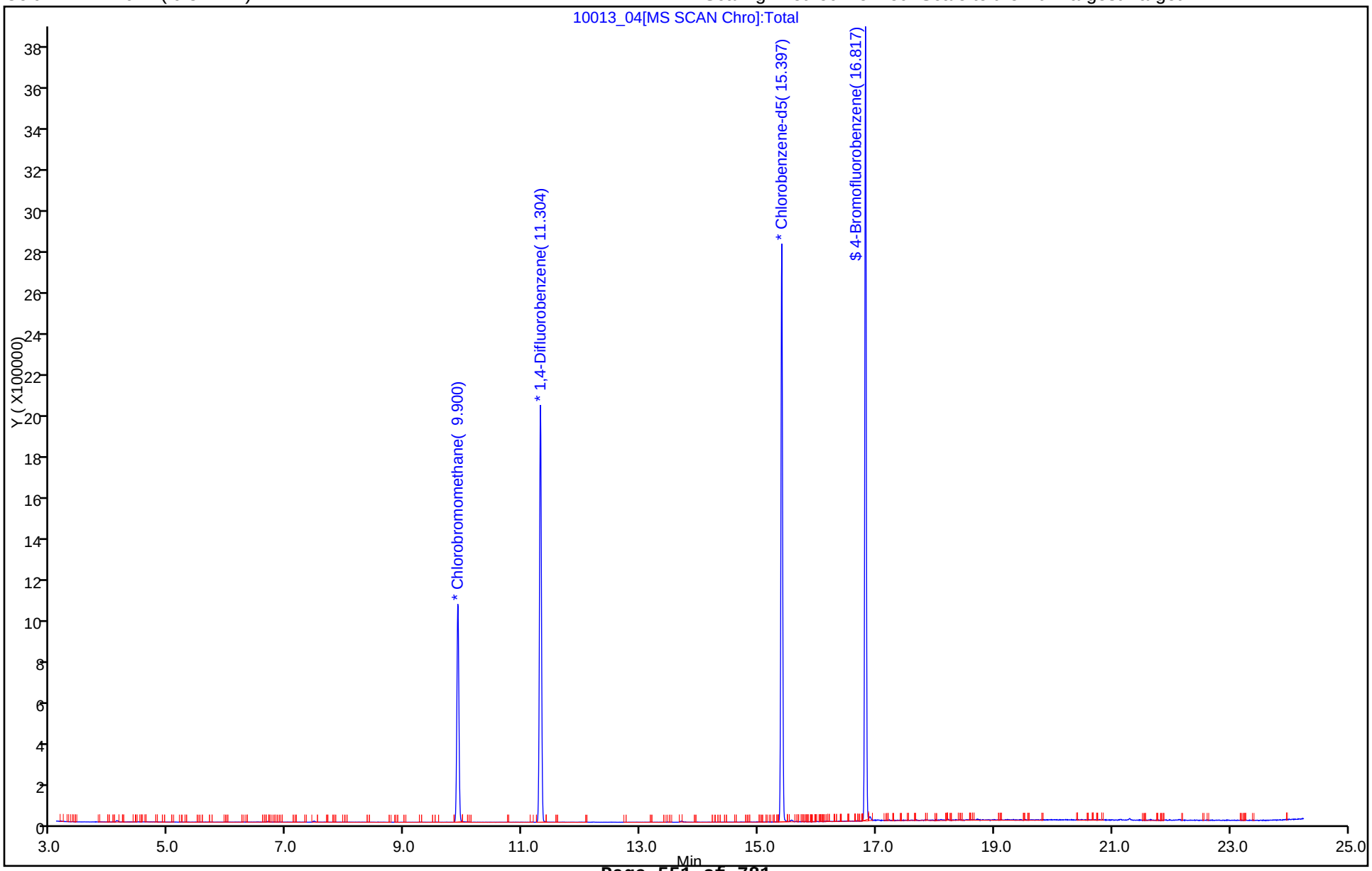
Report Date: 16-Oct-2014 11:43:44 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_04.D

Injection Date:	15-Oct-2014 13:01:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: LCS 200-78645/3

Matrix: Air Lab File ID: 9990_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/14/2014 12:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	10.7		0.50	0.056
75-45-6	Freon 22	86.47	9.97		0.50	0.080
76-14-2	Freon-114	170.92	11.3		0.20	0.052
74-87-3	Chloromethane	50.49	9.14		0.50	0.060
106-97-8	n-Butane	58.12	9.13		0.50	0.18
75-01-4	Vinyl chloride	62.50	9.01		0.040	0.026
106-99-0	1,3-Butadiene	54.09	9.23		0.20	0.036
74-83-9	Bromomethane	94.94	9.41		0.20	0.044
75-00-3	Chloroethane	64.52	9.09		0.50	0.061
593-60-2	Vinyl bromide	106.96	9.52		0.20	0.020
75-69-4	Freon 11	137.37	10.1		0.20	0.045
76-13-1	Freon 113	187.38	9.85		0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	9.67		0.20	0.010
67-64-1	Acetone	58.08	11.0		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	8.62		5.0	0.15
75-15-0	Carbon disulfide	76.14	12.6		0.50	0.030
107-05-1	Allyl chloride	76.53	8.96		0.50	0.16
75-09-2	Methylene Chloride	84.93	9.18		0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	8.94		5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	10.0		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	10.3		0.20	0.027
110-54-3	Hexane	86.17	10.4		0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	9.73		0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	9.13		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	9.76		0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	20.1		0.20	0.053
67-66-3	Chloroform	119.38	9.87		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	9.76		5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	10.3		0.20	0.030
110-82-7	Cyclohexane	84.16	10.0		0.20	0.010
56-23-5	Carbon tetrachloride	153.81	10.5		0.040	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	9.81		0.20	0.023
71-43-2	Benzene	78.11	9.57		0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	10.0		0.20	0.052
142-82-5	Heptane	100.21	9.83		0.20	0.037

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: LCS 200-78645/3

Matrix: Air Lab File ID: 9990_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/14/2014 12:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	10.1		0.040	0.030
80-62-6	Methyl methacrylate	100.12	9.78		0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	9.49		0.20	0.035
123-91-1	1,4-Dioxane	88.11	10.2		5.0	0.16
75-27-4	Bromodichloromethane	163.83	9.97		0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	10.1		0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	10.1		0.50	0.18
108-88-3	Toluene	92.14	9.90		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	10.1		0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	9.82		0.20	0.037
127-18-4	Tetrachloroethene	165.83	10.0		0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.67		0.50	0.17
124-48-1	Dibromochloromethane	208.29	10.0		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	10.2		0.20	0.018
108-90-7	Chlorobenzene	112.56	9.73		0.20	0.018
100-41-4	Ethylbenzene	106.17	9.66		0.20	0.020
179601-23-1	m,p-Xylene	106.17	19.4		0.50	0.025
95-47-6	Xylene, o-	106.17	9.85		0.20	0.018
1330-20-7	Xylene (total)	106.17	29.3		0.20	0.041
100-42-5	Styrene	104.15	9.28		0.20	0.016
75-25-2	Bromoform	252.75	9.97		0.20	0.025
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.88		0.20	0.034
103-65-1	n-Propylbenzene	120.19	9.98		0.20	0.027
622-96-8	4-Ethyltoluene	120.20	10.1		0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	10.2		0.20	0.019
95-49-8	2-Chlorotoluene	126.59	9.83		0.20	0.031
98-06-6	tert-Butylbenzene	134.22	10.2		0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	10.1		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	10.1		0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	10.4		0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	9.41		0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	9.58		0.20	0.019
100-44-7	Benzyl chloride	126.58	9.21		0.20	0.018
104-51-8	n-Butylbenzene	134.22	10.1		0.20	0.028

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: LCS 200-78645/3

Matrix: Air Lab File ID: 9990_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/14/2014 12:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78645 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.70		0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	8.61		0.50	0.034
87-68-3	Hexachloro-1,3-butadiene	260.76	9.15		0.20	0.036
91-20-3	Naphthalene	128.17	7.71		0.50	0.030

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_003.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 14-Oct-2014 12:00:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009990-003
Misc. Info.: lcs
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 15-Oct-2014 11:36:18 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: daiglep Date: 15-Oct-2014 11:04:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
4 Propene	41	3.165	3.160	0.005	94	181213	10.0	9.14	
5 Dichlorodifluoromethane	85	3.229	3.224	0.005	99	1371647	10.0	10.7	
6 Chlorodifluoromethane	51	3.267	3.261	0.005	95	519186	10.0	9.97	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.459	3.453	0.006	95	1064107	10.0	11.3	
8 Chloromethane	50	3.592	3.587	0.005	99	180335	10.0	9.14	
9 Butane	43	3.774	3.768	0.006	94	300799	10.0	9.13	
10 Vinyl chloride	62	3.816	3.811	0.005	98	251478	10.0	9.01	
11 Butadiene	54	3.886	3.880	0.006	93	172059	10.0	9.23	
12 Bromomethane	94	4.601	4.590	0.011	98	352915	10.0	9.41	
13 BFB									
14 Chloroethane	64	4.841	4.830	0.011	100	151402	10.0	9.09	
15 2-Methylbutane	43	4.910	4.894	0.016	83	259994	10.0	10.0	
16 Vinyl bromide	106	5.263	5.252	0.010	98	414271	10.0	9.52	
17 Trichlorofluoromethane	101	5.353	5.348	0.005	98	1498458	10.0	10.1	
18 Pentane	43	5.487	5.481	0.006	90	397867	10.0	10.2	
19 Ethanol	45	5.844	5.833	0.011	98	144045	15.0	17.6	
21 Ethyl ether	59	5.978	5.972	0.006	91	219397	10.0	10.6	
22 Acrolein	56	6.383	6.378	0.005	98	87015	10.0	10.8	
23 1,1,2-Trichloro-1,2,2-trif	101	6.405	6.394	0.011	97	878732	10.0	9.85	
24 1,1-Dichloroethene	96	6.479	6.479	0.000	97	387650	10.0	9.67	
25 Acetone	43	6.661	6.655	0.006	85	585300	10.0	11.0	
26 Isopropyl alcohol	45	6.869	6.858	0.011	97	315061	10.0	8.62	
27 Carbon disulfide	76	6.912	6.906	0.006	99	1157591	10.0	12.6	
29 3-Chloro-1-propene	41	7.205	7.200	0.005	75	251674	10.0	8.96	
30 Acetonitrile	41	7.301	7.296	0.005	97	137803	10.0	9.73	
31 Methylene Chloride	49	7.467	7.461	0.006	81	284699	10.0	9.18	
32 2-Methyl-2-propanol	59	7.563	7.563	0.000	98	681022	10.0	8.94	
33 Methyl tert-butyl ether	73	7.792	7.792	0.000	94	1229508	10.0	10.0	
34 trans-1,2-Dichloroethene	61	7.867	7.862	0.005	89	503765	10.0	10.3	
35 Acrylonitrile	53	7.979	7.974	0.005	91	171345	10.0	10.1	
36 Hexane	57	8.182	8.176	0.006	87	430071	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.625	8.625	0.000	99	596983	10.0	9.73	
38 Vinyl acetate	43	8.630	8.630	0.000	98	589924	10.0	9.02	
* 44 Chlorobromomethane	128	9.906	9.906	0.000	68	443091	10.0	10.0	
39 cis-1,2-Dichloroethene	96	9.537	9.532	0.005	97	427900	10.0	9.76	
40 2-Butanone (MEK)	72	9.532	9.532	0.000	97	179019	10.0	9.13	
41 Ethyl acetate	88	9.532	9.532	0.000	94	35960	10.0	10.1	
43 Tetrahydrofuran	42	9.906	9.900	0.006	76	240187	10.0	9.76	
45 Chloroform	83	9.975	9.975	0.000	100	971156	10.0	9.87	
S 42 1,2-Dichloroethene, Total	61				0		20.0	20.1	
46 Cyclohexane	84	10.226	10.220	0.006	81	550401	10.0	10.0	
47 1,1,1-Trichloroethane	97	10.231	10.226	0.005	95	1248552	10.0	10.3	
48 Carbon tetrachloride	117	10.423	10.423	0.000	97	1407796	10.0	10.5	
49 Isooctane	57	10.695	10.695	0.000	96	1362038	10.0	9.81	
50 Benzene	78	10.765	10.759	0.006	95	1106155	10.0	9.57	
51 1,2-Dichloroethane	62	10.877	10.877	0.000	98	698260	10.0	10.0	
52 n-Heptane	43	10.946	10.946	0.000	75	411614	10.0	9.83	
A 53 GRO	1	10.986	(4.884-17.088)		0	159596892	10.0	0	
* 54 1,4-Difluorobenzene	114	11.309	11.309	0.000	93	2157946	10.0	10.0	
56 n-Butanol	56	11.480	11.480	0.000	86	145677	10.0	8.99	
57 Trichloroethene	95	11.667	11.667	0.000	96	639048	10.0	10.1	
58 1,2-Dichloropropane	63	12.056	12.051	0.005	79	332018	10.0	9.49	
59 Methyl methacrylate	69	12.083	12.078	0.005	88	378256	10.0	9.78	
60 1,4-Dioxane	88	12.174	12.174	0.000	86	210398	10.0	10.2	
61 Dibromomethane	174	12.243	12.243	0.000	93	630267	10.0	9.75	
62 Dichlorobromomethane	83	12.409	12.409	0.000	98	1112522	10.0	9.97	
A 63 TVOC as Toluene	1	12.649	(3.150-22.148)		0	303837195	10.0	2798.1	
64 cis-1,3-Dichloropropene	75	13.038	13.038	0.000	92	688060	10.0	10.1	
65 4-Methyl-2-pentanone (MIBK	43	13.188	13.188	0.000	90	610606	10.0	10.1	
A 66 C8 Range	1	13.401	(13.373-13.453)		0	3114550	NC	NC	
67 n-Octane	43	13.423	13.423	0.000	74	581188	10.0	9.75	
68 Toluene	92	13.465	13.465	0.000	93	969326	10.0	9.90	
A 69 Toluene Range	1	13.480	(13.455-13.505)		0	4184786	NC	NC	
70 trans-1,3-Dichloropropene	75	13.834	13.834	0.000	96	794333	10.0	10.1	
71 1,1,2-Trichloroethane	83	14.106	14.106	0.000	90	430916	10.0	9.82	
72 Tetrachloroethene	166	14.223	14.223	0.000	96	1014037	10.0	10.0	
73 2-Hexanone	43	14.357	14.357	0.000	91	597128	10.0	9.67	
74 Chlorodibromomethane	129	14.650	14.650	0.000	97	1291990	10.0	10.0	
75 Ethylene Dibromide	107	14.853	14.853	0.000	99	995759	10.0	10.2	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	85	1945006	10.0	10.0	
77 Chlorobenzene	112	15.435	15.435	0.000	97	1517941	10.0	9.73	
79 Ethylbenzene	91	15.499	15.499	0.000	97	2292951	10.0	9.66	
78 n-Nonane	57	15.499	15.499	0.000	62	704873	10.0	9.57	
80 m-Xylene & p-Xylene	106	15.643	15.643	0.000	0	1927095	20.0	19.4	
S 81 Xylenes, Total	106				0		30.0	29.3	
82 o-Xylene	106	16.150	16.150	0.000	94	956989	10.0	9.85	
83 Styrene	104	16.176	16.176	0.000	96	1375847	10.0	9.28	
84 Bromoform	173	16.475	16.475	0.000	96	1237438	10.0	9.97	
85 Isopropylbenzene	105	16.555	16.555	0.000	95	3017356	10.0	10.1	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	89	1513876	NC	NC	
87 1,1,2,2-Tetrachloroethane	83	16.972	16.972	0.000	94	1173775	10.0	9.88	
88 N-Propylbenzene	91	17.030	17.030	0.000	99	3338373	10.0	9.98	
89 1,2,3-Trichloropropane	75	17.057	17.057	0.000	93	1000798	10.0	9.62	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 n-Decane	57	17.078	17.078	0.000	81	971367	10.0	9.66	
91 4-Ethyltoluene	105	17.158	17.153	0.005	98	3137374	10.0	10.1	
92 2-Chlorotoluene	91	17.201	17.201	0.000	97	2444777	10.0	9.83	
93 1,3,5-Trimethylbenzene	105	17.223	17.222	0.001	92	2671556	10.0	10.2	
94 Alpha Methyl Styrene	118	17.500	17.500	0.000	91	1032460	10.0	8.59	
95 tert-Butylbenzene	119	17.601	17.607	-0.006	93	2630042	10.0	10.2	
96 1,2,4-Trimethylbenzene	105	17.676	17.676	0.000	97	2670295	10.0	10.1	
97 sec-Butylbenzene	105	17.863	17.863	0.000	98	3666260	10.0	10.1	
98 4-Isopropyltoluene	119	18.018	18.018	0.000	97	3356909	10.0	10.4	
99 1,3-Dichlorobenzene	146	18.103	18.103	0.000	96	1882933	10.0	9.41	
100 1,4-Dichlorobenzene	146	18.215	18.215	0.000	95	1905659	10.0	9.58	
101 Benzyl chloride	91	18.381	18.381	0.000	99	1788191	10.0	9.21	
102 Undecane	57	18.482	18.482	0.000	86	1031290	10.0	9.34	
103 n-Butylbenzene	91	18.535	18.535	0.000	97	2692953	10.0	10.1	
104 1,2-Dichlorobenzene	146	18.717	18.717	0.000	96	1815530	10.0	9.70	
106 Dodecane	57	19.971	19.971	0.000	87	915927	10.0	8.09	
107 1,2,4-Trichlorobenzene	180	21.140	21.140	0.000	95	1233810	10.0	8.61	
108 Hexachlorobutadiene	225	21.300	21.305	-0.005	89	1032575	10.0	9.15	
109 Naphthalene	128	21.652	21.652	0.000	99	2444147	10.0	7.71	
110 1,2,3-Trichlorobenzene	180	22.138	22.138	0.000	95	1153768	10.0	8.45	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00411	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

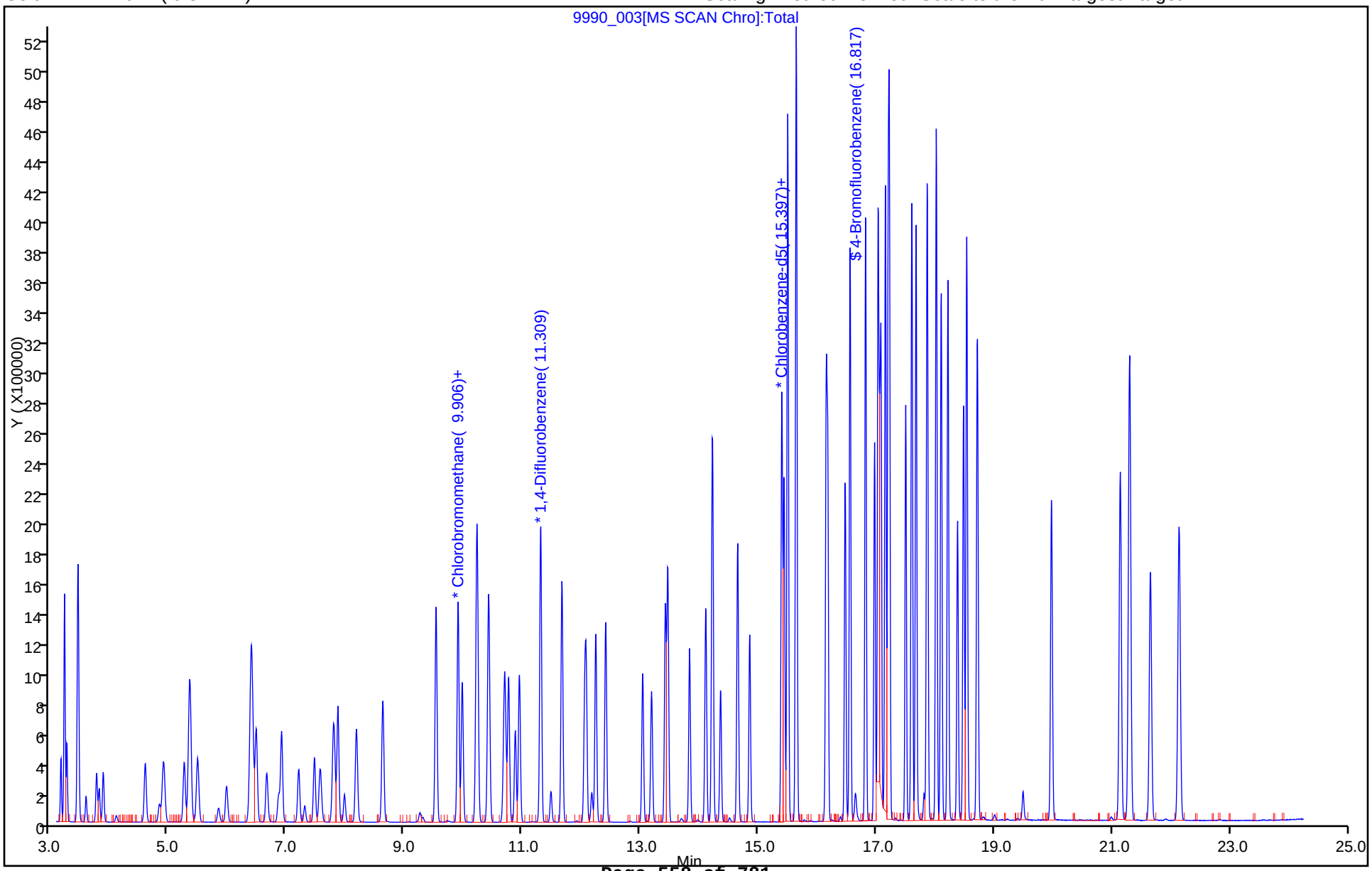
Report Date: 15-Oct-2014 11:36:20 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141014-9990.b\9990_003.D

Injection Date:	14-Oct-2014 12:00:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	lcs			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: LCS 200-78704/3

Matrix: Air Lab File ID: 10013_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 12:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	10.5		0.50	0.056
75-45-6	Freon 22	86.47	9.65		0.50	0.080
76-14-2	Freon-114	170.92	11.0		0.20	0.052
74-87-3	Chloromethane	50.49	8.78		0.50	0.060
106-97-8	n-Butane	58.12	8.83		0.50	0.18
75-01-4	Vinyl chloride	62.50	8.86		0.040	0.026
106-99-0	1,3-Butadiene	54.09	8.90		0.20	0.036
74-83-9	Bromomethane	94.94	9.26		0.20	0.044
75-00-3	Chloroethane	64.52	8.83		0.50	0.061
593-60-2	Vinyl bromide	106.96	9.43		0.20	0.020
75-69-4	Freon 11	137.37	9.91		0.20	0.045
76-13-1	Freon 113	187.38	9.70		0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	9.22		0.20	0.010
67-64-1	Acetone	58.08	10.7		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	8.29		5.0	0.15
75-15-0	Carbon disulfide	76.14	12.3		0.50	0.030
107-05-1	Allyl chloride	76.53	8.57		0.50	0.16
75-09-2	Methylene Chloride	84.93	8.85		0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	8.60		5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	9.67		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	10.1		0.20	0.027
110-54-3	Hexane	86.17	9.99		0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	9.49		0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	8.88		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	9.53		0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	19.6		0.20	0.053
67-66-3	Chloroform	119.38	9.71		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	9.42		5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	10.2		0.20	0.030
110-82-7	Cyclohexane	84.16	9.97		0.20	0.010
56-23-5	Carbon tetrachloride	153.81	10.3		0.040	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	9.63		0.20	0.023
71-43-2	Benzene	78.11	9.44		0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	9.84		0.20	0.052
142-82-5	Heptane	100.21	9.52		0.20	0.037

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: LCS 200-78704/3

Matrix: Air Lab File ID: 10013_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 12:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	10.1		0.040	0.030
80-62-6	Methyl methacrylate	100.12	9.53		0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	9.36		0.20	0.035
123-91-1	1,4-Dioxane	88.11	10.2		5.0	0.16
75-27-4	Bromodichloromethane	163.83	9.88		0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	10.1		0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	9.81		0.50	0.18
108-88-3	Toluene	92.14	9.78		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	9.95		0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	9.69		0.20	0.037
127-18-4	Tetrachloroethene	165.83	10.0		0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.30		0.50	0.17
124-48-1	Dibromochloromethane	208.29	10.0		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	10.1		0.20	0.018
108-90-7	Chlorobenzene	112.56	9.72		0.20	0.018
100-41-4	Ethylbenzene	106.17	9.52		0.20	0.020
179601-23-1	m,p-Xylene	106.17	19.2		0.50	0.025
95-47-6	Xylene, o-	106.17	9.66		0.20	0.018
1330-20-7	Xylene (total)	106.17	28.9		0.20	0.041
100-42-5	Styrene	104.15	9.19		0.20	0.016
75-25-2	Bromoform	252.75	10.0		0.20	0.025
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.75		0.20	0.034
103-65-1	n-Propylbenzene	120.19	9.86		0.20	0.027
622-96-8	4-Ethyltoluene	120.20	10.1		0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	10.1		0.20	0.019
95-49-8	2-Chlorotoluene	126.59	9.57		0.20	0.031
98-06-6	tert-Butylbenzene	134.22	10.1		0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	9.94		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	10.0		0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	10.3		0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	9.38		0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	9.55		0.20	0.019
100-44-7	Benzyl chloride	126.58	9.09		0.20	0.018
104-51-8	n-Butylbenzene	134.22	9.87		0.20	0.028

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Client Sample ID: Lab Sample ID: LCS 200-78704/3

Matrix: Air Lab File ID: 10013_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 10/15/2014 12:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78704 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.66		0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	8.79		0.50	0.034
87-68-3	Hexachloro-1,3-butadiene	260.76	9.46		0.20	0.036
91-20-3	Naphthalene	128.17	7.83		0.50	0.030

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_03.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 15-Oct-2014 12:09:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0010013-003
Misc. Info.: lcs
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 16-Oct-2014 11:43:38 Calib Date: 22-Sep-2014 06:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140921-9579.b\9579_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 16-Oct-2014 11:01:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
4 Propene	41	3.160	3.165	-0.005	93	30611	10.0	1.50	
5 Dichlorodifluoromethane	85	3.229	3.224	0.005	99	1383527	10.0	10.5	
6 Chlorodifluoromethane	51	3.267	3.266	0.001	95	515946	10.0	9.65	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.459	3.453	0.006	94	1062186	10.0	11.0	
8 Chloromethane	50	3.597	3.592	0.005	98	177998	10.0	8.78	
9 Butane	43	3.774	3.773	0.001	94	298956	10.0	8.83	
10 Vinyl chloride	62	3.822	3.816	0.006	98	254092	10.0	8.86	
11 Butadiene	54	3.891	3.880	0.011	93	170323	10.0	8.90	
12 Bromomethane	94	4.601	4.595	0.006	98	356681	10.0	9.26	
13 BFB									
14 Chloroethane	64	4.841	4.841	0.000	99	151026	10.0	8.83	
15 2-Methylbutane	43	4.910	4.910	0.000	83	257570	10.0	9.63	
16 Vinyl bromide	106	5.263	5.257	0.006	97	421637	10.0	9.43	
17 Trichlorofluoromethane	101	5.359	5.353	0.006	98	1513575	10.0	9.91	
18 Pentane	43	5.492	5.481	0.011	90	392049	10.0	9.78	
19 Ethanol	45	5.850	5.834	0.016	97	143476	15.0	17.0	
21 Ethyl ether	59	5.983	5.978	0.005	89	215478	10.0	10.1	
22 Acrolein	56	6.383	6.383	0.000	98	86329	10.0	10.4	
23 1,1,2-Trichloro-1,2,2-trif	101	6.405	6.399	0.006	96	888414	10.0	9.70	
24 1,1-Dichloroethene	96	6.485	6.479	0.006	97	379803	10.0	9.22	
25 Acetone	43	6.666	6.655	0.011	85	587421	10.0	10.7	
26 Isopropyl alcohol	45	6.869	6.858	0.011	97	311095	10.0	8.29	
27 Carbon disulfide	76	6.917	6.912	0.005	99	1161253	10.0	12.3	
29 3-Chloro-1-propene	41	7.205	7.200	0.005	74	247419	10.0	8.57	
30 Acetonitrile	41	7.307	7.301	0.006	97	134204	10.0	9.22	
31 Methylene Chloride	49	7.472	7.467	0.005	80	281970	10.0	8.85	
32 2-Methyl-2-propanol	59	7.573	7.568	0.005	98	672777	10.0	8.60	
33 Methyl tert-butyl ether	73	7.798	7.798	0.000	94	1218408	10.0	9.67	
34 trans-1,2-Dichloroethene	61	7.867	7.867	0.000	88	506806	10.0	10.1	
35 Acrylonitrile	53	7.979	7.979	0.000	94	170184	10.0	9.72	
36 Hexane	57	8.187	8.182	0.005	87	423647	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.630	8.625	0.005	98	598007	10.0	9.49	
38 Vinyl acetate	43	8.635	8.630	0.005	98	582417	10.0	8.67	
* 44 Chlorobromomethane	128	9.911	9.906	0.005	68	455226	10.0	10.0	
39 cis-1,2-Dichloroethene	96	9.537	9.532	0.005	97	429213	10.0	9.53	
40 2-Butanone (MEK)	72	9.532	9.532	0.000	97	179007	10.0	8.88	
41 Ethyl acetate	88	9.532	9.532	0.000	95	37094	10.0	10.1	
43 Tetrahydrofuran	42	9.906	9.906	0.000	71	235507	10.0	9.42	
45 Chloroform	83	9.975	9.975	0.000	100	982234	10.0	9.71	
S 42 1,2-Dichloroethene, Total	61				0		20.0	19.6	
47 1,1,1-Trichloroethane	97	10.226	10.226	0.000	95	1258754	10.0	10.2	
46 Cyclohexane	84	10.226	10.226	0.000	80	555573	10.0	9.97	
48 Carbon tetrachloride	117	10.423	10.423	0.000	98	1410447	10.0	10.3	
49 Isooctane	57	10.701	10.695	0.006	96	1359137	10.0	9.63	
50 Benzene	78	10.765	10.760	0.005	95	1109087	10.0	9.44	
51 1,2-Dichloroethane	62	10.877	10.877	0.000	98	698656	10.0	9.84	
52 n-Heptane	43	10.946	10.941	0.005	76	405377	10.0	9.52	
A 53 GRO	1	10.994	(4.900-17.088)		0	160338928	10.0	0	
* 54 1,4-Difluorobenzene	114	11.309	11.304	0.005	92	2193602	10.0	10.0	
56 n-Butanol	56	11.485	11.480	0.005	85	143655	10.0	8.72	
57 Trichloroethene	95	11.667	11.667	0.000	96	646245	10.0	10.1	
58 1,2-Dichloropropane	63	12.056	12.056	0.000	83	332827	10.0	9.36	
59 Methyl methacrylate	69	12.083	12.078	0.005	88	374427	10.0	9.53	
60 1,4-Dioxane	88	12.179	12.174	0.005	85	213797	10.0	10.2	
61 Dibromomethane	174	12.243	12.243	0.000	93	643914	10.0	9.80	
62 Dichlorobromomethane	83	12.409	12.409	0.000	98	1120542	10.0	9.88	
A 63 TVOC as Toluene	1	12.651	(3.155-22.148)		0	305740229	10.0	2769.8	
64 cis-1,3-Dichloropropene	75	13.038	13.038	0.000	92	693312	10.0	10.1	
65 4-Methyl-2-pentanone (MIBK	43	13.188	13.188	0.000	89	604129	10.0	9.81	
A 66 C8 Range	1	13.403	(13.373-13.453)		0	3387461	NC	NC	
67 n-Octane	43	13.423	13.423	0.000	73	568439	10.0	9.38	
68 Toluene	92	13.465	13.460	0.005	93	975238	10.0	9.78	
A 69 Toluene Range	1	13.475	(13.450-13.500)		0	3877217	NC	NC	
70 trans-1,3-Dichloropropene	75	13.834	13.834	0.000	96	796637	10.0	9.95	
71 1,1,2-Trichloroethane	83	14.111	14.106	0.005	91	433222	10.0	9.69	
72 Tetrachloroethene	166	14.223	14.223	0.000	96	1030821	10.0	10.0	
73 2-Hexanone	43	14.362	14.357	0.005	91	584960	10.0	9.30	
74 Chlorodibromomethane	129	14.650	14.650	0.000	97	1310504	10.0	10.0	
75 Ethylene Dibromide	107	14.853	14.853	0.000	99	1006275	10.0	10.1	
* 76 Chlorobenzene-d5	117	15.397	15.397	0.000	84	1981523	10.0	10.0	
77 Chlorobenzene	112	15.440	15.435	0.005	97	1545291	10.0	9.72	
79 Ethylbenzene	91	15.499	15.499	0.000	97	2301732	10.0	9.52	
78 n-Nonane	57	15.499	15.499	0.000	62	705988	10.0	9.41	
80 m-Xylene & p-Xylene	106	15.643	15.643	0.000	0	1939798	20.0	19.2	
S 81 Xylenes, Total	106				0		30.0	28.8	
82 o-Xylene	106	16.155	16.150	0.005	94	956473	10.0	9.66	
83 Styrene	104	16.177	16.176	0.001	96	1388128	10.0	9.19	
84 Bromoform	173	16.475	16.470	0.005	96	1267450	10.0	10.0	
85 Isopropylbenzene	105	16.555	16.555	0.000	95	3034386	10.0	9.96	
$ 86 4-Bromofluorobenzene	95	16.817	16.817	0.000	90	1531166	NC	NC	
87 1,1,2,2-Tetrachloroethane	83	16.972	16.972	0.000	94	1180002	10.0	9.75	
88 N-Propylbenzene	91	17.030	17.030	0.000	99	3358079	10.0	9.86	
89 1,2,3-Trichloropropane	75	17.057	17.057	0.000	94	1008853	10.0	9.51	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 n-Decane	57	17.084	17.078	0.006	81	958023	10.0	9.35	
91 4-Ethyltoluene	105	17.159	17.153	0.005	98	3177682	10.0	10.1	
92 2-Chlorotoluene	91	17.201	17.201	0.000	97	2426214	10.0	9.57	
93 1,3,5-Trimethylbenzene	105	17.223	17.223	0.001	93	2696272	10.0	10.1	
94 Alpha Methyl Styrene	118	17.500	17.500	0.000	91	1030892	10.0	8.42	
95 tert-Butylbenzene	119	17.607	17.601	0.006	93	2659037	10.0	10.1	
96 1,2,4-Trimethylbenzene	105	17.676	17.676	0.000	97	2689828	10.0	9.94	
97 sec-Butylbenzene	105	17.863	17.863	0.000	98	3698061	10.0	10.0	
98 4-Isopropyltoluene	119	18.018	18.018	0.000	97	3381716	10.0	10.3	
99 1,3-Dichlorobenzene	146	18.103	18.103	0.000	96	1911816	10.0	9.38	
100 1,4-Dichlorobenzene	146	18.215	18.215	0.000	95	1936268	10.0	9.55	
101 Benzyl chloride	91	18.381	18.381	0.000	99	1798266	10.0	9.09	
102 Undecane	57	18.482	18.482	0.000	86	983208	10.0	8.74	
103 n-Butylbenzene	91	18.535	18.535	0.000	97	2690243	10.0	9.87	
104 1,2-Dichlorobenzene	146	18.717	18.717	0.000	96	1843350	10.0	9.66	
106 Dodecane	57	19.971	19.971	0.000	87	921539	10.0	7.99	
107 1,2,4-Trichlorobenzene	180	21.140	21.140	0.000	94	1284290	10.0	8.79	
108 Hexachlorobutadiene	225	21.300	21.300	0.000	89	1087793	10.0	9.46	
109 Naphthalene	128	21.652	21.652	0.000	99	2528793	10.0	7.83	
110 1,2,3-Trichlorobenzene	180	22.138	22.138	0.000	96	1229330	10.0	8.84	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00411	Amount Added: 200.00	Units: mL	
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

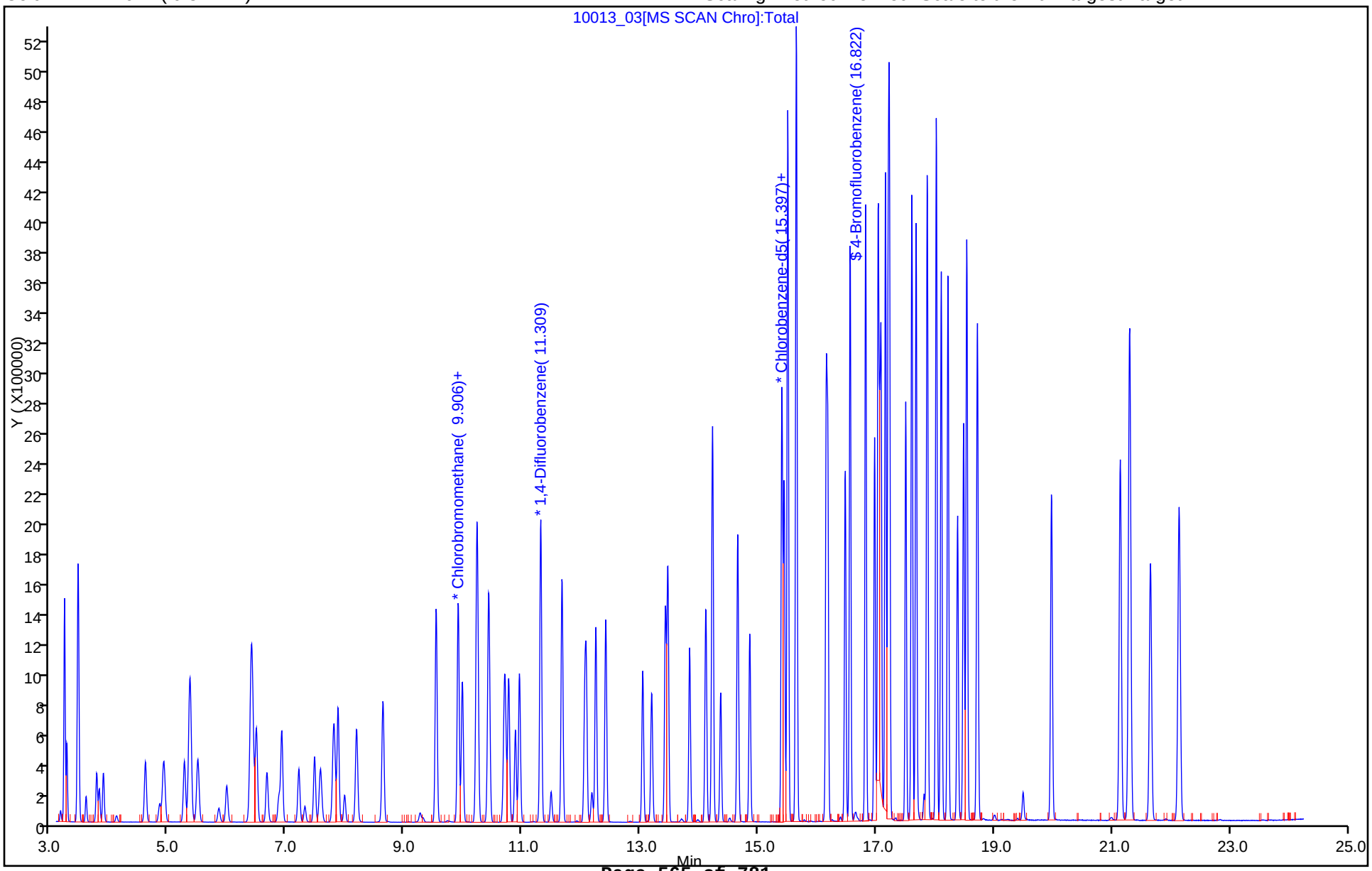
Report Date: 16-Oct-2014 11:43:41 Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20141015-10013.b\10013_03.D

Injection Date:	15-Oct-2014 12:09:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	lcs			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Instrument ID: CHB.i Start Date: 09/21/2014 18:34

Analysis Batch Number: 77543 End Date: 09/22/2014 09:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-77543/1		09/21/2014 18:34	1	9579_001.D	RTX-624 0.32(mm)
VIBLK 200-77543/2		09/21/2014 19:36	1		RTX-624 0.32(mm)
VIBLK 200-77543/3		09/21/2014 20:28	1		RTX-624 0.32(mm)
VIBLK 200-77543/4		09/21/2014 21:20	1		RTX-624 0.32(mm)
VIBLK 200-77543/5		09/21/2014 22:12	1		RTX-624 0.32(mm)
VIBLK 200-77543/6		09/21/2014 23:05	1		RTX-624 0.32(mm)
IC 200-77543/7		09/21/2014 23:57	1	9579_007.D	RTX-624 0.32(mm)
IC 200-77543/8		09/22/2014 00:49	1	9579_008.D	RTX-624 0.32(mm)
IC 200-77543/9		09/22/2014 01:41	1	9579_009.D	RTX-624 0.32(mm)
IC 200-77543/10		09/22/2014 02:33	1	9579_010.D	RTX-624 0.32(mm)
ICIS 200-77543/11		09/22/2014 03:25	1	9579_011.D	RTX-624 0.32(mm)
IC 200-77543/12		09/22/2014 04:17	1	9579_012.D	RTX-624 0.32(mm)
IC 200-77543/13		09/22/2014 05:09	1	9579_013.D	RTX-624 0.32(mm)
IC 200-77543/14		09/22/2014 06:01	1	9579_014.D	RTX-624 0.32(mm)
VIBLK 200-77543/15		09/22/2014 06:54	1		RTX-624 0.32(mm)
VIBLK 200-77543/16		09/22/2014 07:46	1		RTX-624 0.32(mm)
ZZZZZ		09/22/2014 08:38	1		RTX-624 0.32(mm)
ICV 200-77543/18		09/22/2014 09:30	1	9579_018.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Instrument ID: CHB.i Start Date: 10/14/2014 10:16

Analysis Batch Number: 78645 End Date: 10/15/2014 09:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-78645/1		10/14/2014 10:16	1	9990_001.D	RTX-624 0.32(mm)
CCVIS 200-78645/2		10/14/2014 11:08	1	9990_002.D	RTX-624 0.32(mm)
LCS 200-78645/3		10/14/2014 12:00	1	9990_003.D	RTX-624 0.32(mm)
MB 200-78645/4		10/14/2014 12:52	1	9990_004.D	RTX-624 0.32(mm)
200-24717-1	GCTS PRE CARBON	10/14/2014 13:44	2.99	9990_005.D	RTX-624 0.32(mm)
200-24717-2	GCTS MID CARBON	10/14/2014 14:36	2	9990_006.D	RTX-624 0.32(mm)
200-24717-3	GCTS POST CARBON	10/14/2014 15:28	1	9990_007.D	RTX-624 0.32(mm)
ZZZZZ		10/14/2014 16:20	26.8		RTX-624 0.32(mm)
ZZZZZ		10/14/2014 17:12	20		RTX-624 0.32(mm)
ZZZZZ		10/14/2014 18:04	16.1		RTX-624 0.32(mm)
ZZZZZ		10/14/2014 18:56	7610		RTX-624 0.32(mm)
ZZZZZ		10/14/2014 19:48	4580		RTX-624 0.32(mm)
ZZZZZ		10/14/2014 20:40	3160		RTX-624 0.32(mm)
ZZZZZ		10/14/2014 21:32	4090		RTX-624 0.32(mm)
ZZZZZ		10/14/2014 22:24	439		RTX-624 0.32(mm)
ZZZZZ		10/14/2014 23:16	439		RTX-624 0.32(mm)
ZZZZZ		10/15/2014 00:08	1		RTX-624 0.32(mm)
ZZZZZ		10/15/2014 01:00	1		RTX-624 0.32(mm)
ZZZZZ		10/15/2014 01:52	1		RTX-624 0.32(mm)
ZZZZZ		10/15/2014 02:47	1.26		RTX-624 0.32(mm)
ZZZZZ		10/15/2014 03:39	1		RTX-624 0.32(mm)
ZZZZZ		10/15/2014 08:20	220		RTX-624 0.32(mm)
ZZZZZ		10/15/2014 09:12	220		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24716-1

SDG No.: 200-24716

Instrument ID: CHB.i Start Date: 10/15/2014 10:28

Analysis Batch Number: 78704 End Date: 10/16/2014 08:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-78704/1		10/15/2014 10:28	1	10013_001.D	RTX-624 0.32(mm)
CCVIS 200-78704/2		10/15/2014 11:17	1	10013_002.D	RTX-624 0.32(mm)
LCS 200-78704/3		10/15/2014 12:09	1	10013_03.D	RTX-624 0.32(mm)
MB 200-78704/4		10/15/2014 13:01	1	10013_04.D	RTX-624 0.32(mm)
ZZZZZ		10/15/2014 14:25	8		RTX-624 0.32(mm)
200-24716-1	SDS-1	10/15/2014 15:25	8	10013_06.D	RTX-624 0.32(mm)
200-24716-2	SDS-2	10/15/2014 16:17	5	10013_07.D	RTX-624 0.32(mm)
200-24716-3	SDS-3	10/15/2014 17:09	1	10013_08.D	RTX-624 0.32(mm)
200-24716-4	SDS-4	10/15/2014 18:01	2	10013_09.D	RTX-624 0.32(mm)
200-24716-5	SDS-5	10/15/2014 18:53	8	10013_10.D	RTX-624 0.32(mm)
200-24716-6	SDS-6	10/15/2014 19:46	17.2	10013_11.D	RTX-624 0.32(mm)
200-24716-7	SDS-7	10/15/2014 20:38	4	10013_12.D	RTX-624 0.32(mm)
ZZZZZ		10/15/2014 21:30	6.06		RTX-624 0.32(mm)
200-24716-9	VP GAC MID	10/15/2014 22:22	1	10013_14.D	RTX-624 0.32(mm)
200-24716-10	VP GAC POST	10/15/2014 23:14	1	10013_15.D	RTX-624 0.32(mm)
ZZZZZ		10/16/2014 00:07	1		RTX-624 0.32(mm)
ZZZZZ		10/16/2014 00:59	2.5		RTX-624 0.32(mm)
ZZZZZ		10/16/2014 01:51	3		RTX-624 0.32(mm)
ZZZZZ		10/16/2014 02:43	1		RTX-624 0.32(mm)
ZZZZZ		10/16/2014 03:35	1		RTX-624 0.32(mm)
200-24716-8	SDS-8	10/16/2014 07:45	2.99	10013_21.D	RTX-624 0.32(mm)
ZZZZZ		10/16/2014 08:37	2		RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gauge ID	Analyst
Stantec	200-24716	10/13/14	1033	30.0	21	G8	ANJ

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	NA	NA	V.g. #5291
(3) MA MCP: Check return flow rate for flow controllers		✓	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID	Comments
200-24716-1	5062	-10.0	N	NA	NA	5029 9716	
-2	3203	-9.3	N			5034 9716	
-3	4341	-9.2	N			3324 9716	
-4	5729	-9.1	N			5034 9716	
-5	5609	-9.0	N			〃	
-6	5412	-9.7	N			5029 9716	
-7	4440	-8.9	N			5109 9716	
-8	2734	-9.9	N			〃	
-9	3820	-9.7	N			5034 9716	
-10	3425	-9.8	N	〃	〃	〃	

ANJ 10/13/14

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # _____

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gauge ID	Analyst
State 2	200-24717	10/13/14	1025	30.2	21	G8	AN1

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	NA	NA	e.g. # 5291
(3) MA MCP: Check return flow rate for flow controllers		✓	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID	Comments
200-24717-1	5128	-9.3	N	e.g. 5291	N	5034 9716	
" -2	4337	-9.7	N	"	N	5109 9716	
" -3	3413	-9.7	N	"	N	2902 9716	
							AN1 10/13/14

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # _____

Summa Canister Dilution Worksheet

Client: Stantec Consulting Services Inc

Job No.: 200-24716-1
SDG No.: 200-24716

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Date	Analyst
200-24716-6	6	-9.7	0.68	4.05	20.3	2.38	14.29		3.52	3.52	10/15/14 14:12	Daigle, Paul A

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg

Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig

Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)

14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

200-24405-A-7
5029
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 9/25/2014 12:00 AM 200-705706

Loc: 200
24405
#7
A

Pre-Shipment Clean Canister Certification Rep

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
CAN 3/4	1	9/25/14	MS	6L 1L 3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	5336	-29.9	-29.9	-29.9	0
2	5707		-29.9		0
3	5412		-29.7		+0.2
4	2881		-30.0		-0.1
5	5060		-29.9		0
6	4370		Leak		
7	5029	-30.1	-30.0		-0.1
8	5062		-30.0		-0.1
9	7634		-29.8		+0.1
10	4871		-29.8		+0.1
11	3641		-29.9		0
12	5044		-29.9		0

Initial Reading	Final Reading
Gauge ID: 69	Gauge ID: 69
Date: 9/26/14	Date: 9/29/14
Time: 0940	Time: 1240
Tech: MS	Tech: MS
BP: 30.0 ("Hg)	BP: 29.8 ("Hg)
Temp 22 (°C)	Temp: 22 (°C)

[3] Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
5029	9/29/14	9716	WLP		✓				9/30/14	AWL

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.
Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.
Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.
Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.
Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: Routine

BR-FAI023:10.19.09:7
TestAmerica

200-24409-A-6
3324
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 9/25/2014 12:00 AM 200-705768

Loc: 200
24409
#6
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test								
System ID		# Cycles		Cleaning Date		Technician	Canister Size	
Xon 12		75		9/25/14		MT	(6L)	1L 3L

		Leak Test					
		Initial[1]	Final	Adjusted Initial[2]		Initial Reading	Final Reading
Port	Can ID	("Hg)	("Hg)	("Hg)	Difference[3]	Gauge ID: 69	Gauge ID: 69
1	3161	-1	-29.8	-30.0	+0.2	Date: 9/26/14	Date: 9/29/14
2	4911	-1	-29.8		+0.2	Time: 930	Time: 1315
3	4289	-1	-29.7		+0.3	Tech: MS	Tech: MT
4	4358	-1	-29.7		+0.3	BP: 30.0 ("Hg)	BP: 29.8 ("Hg)
5	3464	-1	-29.7		+0.3	Temp 22 (℃)	Temp: 22 (℃)
6	3324	-30.2	-30.1		-0.1	[3]Acceptance Criteria:	
7	4473	-1	-30.0		0.0	(1) The difference must be less than or equal to + 0.5	
8	4809	-1	-29.8		+0.2	(2) Pressure readings must be at least 24 hours apart.	
9	4069	-1	-29.7		+0.3	If time frame was not met, the PM must authorize shipment of canister:	
10	4341	-1	-30.0		0	*PM Authorization:*	
11	4287	-1	-29.8		+0.2		
12	2743	✓	-30.0	✓	0	Signature	Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory											
Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15				Inventory Level					Secondary Review	
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewer
3524	9/29/14	9716	WRD			✓			9/30/14	AM

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: Routine

BR-FAI023:10.19.09:7
TestAmerica

200-24410-A-7
2902
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 9/25/2014 12:00 AM 200-706040

Loc: 200
24410
#7
A

Pre-Shipment Clean Canister Certification Repo

Certification Type: ☑ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
150TBM	15	9/15/14	MS	(6L) 1L 3L

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	3507	↑	-29.1	-29.9	0
2	2541	"	-29.9		0
3	2955	"	-29.9		0
4	5441	"	-29.7		+0.2
5	3413	"	-29.4		+0.5
6	3285		-29.7		+0.2
7	7902	-30.1	-30.2		-0.3
8	7509	"	-30.0		-0.1
9	5140	"	-29.6		+0.3
10	4468	"	-29.8		+0.1
11	2946	"	-29.8		+0.1
12	3025	"	-29.8		+0.1

Leak Test

Initial Reading		Final Reading	
Gauge ID:	69	Gauge ID:	69
Date:	9/26/14	Date:	9/29/14
Time:	830	Time:	1415
Tech:	MS	Tech:	MS
BP:	30.0 ("Hg)	BP:	29.8 ("Hg)
Temp	22 (°C)	Temp:	22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review Date	Reviewer
2952	9/29/14	9716	WNP		✓				9/30/14	ANL

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: Routine

BR-FAI023:10.19.09:7
TestAmerica

200-24452-A-12
5034
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 9/27/2014 12:00 AM 200-706558

Loc: 200
24452
#12
A

Pre-Shipment Clean Canister Certification Rep

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test					
System ID	# Cycles	Cleaning Date	Technician	Canister Size	
Bottom	50	9/27/14	MC	6L	1L / 3L

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	3820		-30.0		-0.2
2	5609		-30.0		-0.2
3	3203		-29.9		-0.1
4	~~3403419~~		LEAKS		
5	5398		-29.7		+0.1
6	5128		-30.1		-0.3
7	3425		-29.9		-0.1
8	4312		-30.1		-0.3
9	5729		-30.1		-0.3
10	4357		-29.7		+0.1
11	5613		-29.8		0.0
12	5034	-29.8	-30.4	-29.8	-0.6

MC 9/27/14

Leak Test	Initial Reading	Final Reading
Gauge ID:	G9 @ 9/30/14	G9
Date:	~~9/30/14~~ 9/27/14	9/30/14
Time:	MC	1635
Tech:	MC	[illegible]
BP:	29.8 ("Hg)	29.8 ("Hg)
Temp	22 (°C)	22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.
[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.
[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
5034	9/29/14	9716	WND		✓				9/30/14	ANI

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.
Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.
Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.
Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.
Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: Routine

BR-FAI023:10.19.09:7
TestAmerica

200-24453-A-8
5109
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 9/27/2014 12:00 AM 200-706566

Loc: 200
24453
#8
A

Pre-Shipment Clean Canister Certification Repo

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		
TOP	5D	9/27/14	M	6L	1L	3L

Port	Can ID	Leak Test Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	5625		-30.1	-30.1	0
2	45166		-30.0		+0.1
3	5629		-30.2		-0.1
4	2858		-30.2		-0.1
5	4337		-30.3		-0.2
6	4440		-30.3		-0.2
7	2734		-30.0		+0.1
8	5109	-30.0	-30.0		+0.1
9	3286		-30.2		-0.1
10	3136		-30.0		+0.1
11	3257		-30.0		+0.1
12	4295		-29.9		+0.2

Initial Reading		Final Reading	
Gauge ID:	69	Gauge ID:	69
Date:	9/29/14	Date:	10/1/14
Time:	8:35	Time:	11:15
Tech:	MD	Tech:	MD
BP:	29.8 ("Hg)	BP:	29.9 ("Hg)
Temp	22 (℃)	Temp:	22 (℃)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review Review Date	Reviewer
5109	9/29/14	9716	WND		✓				9/30/14	AM

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: Routine

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 9716_004.D

Lab ID: LCS 200-77911/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.6	116	70-130	
Dichlorodifluoromethane	10.0	13.1	131	70-130	*
Freon 22	10.0	12.5	125	70-130	
1,2-Dichlorotetrafluoroethane	10.0	13.5	135	70-130	*
Chloromethane	10.0	10.8	108	70-130	
n-Butane	10.0	11.3	113	70-130	
Vinyl chloride	10.0	10.5	105	70-130	
1,3-Butadiene	10.0	10.8	108	70-130	
Bromomethane	10.0	10.1	101	70-130	
Chloroethane	10.0	9.54	95	70-130	
Bromoethene(Vinyl Bromide)	10.0	11.1	111	70-130	
Trichlorofluoromethane	10.0	12.1	121	70-130	
Ethanol	15.0	19.6	131	70-130	*
Freon TF	10.0	11.2	112	70-130	
1,1-Dichloroethene	10.0	10.2	102	70-130	
Acetone	10.0	11.1	111	70-130	
Isopropyl alcohol	10.0	9.73	97	70-130	
Carbon disulfide	10.0	11.1	111	70-130	
3-Chloropropene	10.0	9.88	99	70-130	
Methylene Chloride	10.0	10.3	103	70-130	
tert-Butyl alcohol	10.0	10.6	106	70-130	
Methyl tert-butyl ether	10.0	11.5	115	70-130	
trans-1,2-Dichloroethene	10.0	11.4	114	70-130	
n-Hexane	10.0	11.4	114	70-130	
1,1-Dichloroethane	10.0	10.8	108	70-130	
Vinyl acetate	10.0	10.2	103	70-130	
Ethyl acetate	10.0	10.0	100	70-130	
Methyl Ethyl Ketone	10.0	9.95	100	70-130	
cis-1,2-Dichloroethene	10.0	9.72	97	70-130	
Chloroform	10.0	11.0	110	70-130	
Tetrahydrofuran	10.0	10.2	102	70-130	
1,1,1-Trichloroethane	10.0	11.6	116	70-130	
Cyclohexane	10.0	10.1	101	70-130	
Carbon tetrachloride	10.0	12.2	122	70-130	
2,2,4-Trimethylpentane	10.0	9.79	98	70-130	
Benzene	10.0	9.75	97	70-130	
1,2-Dichloroethane	10.0	11.3	113	70-130	
n-Heptane	10.0	9.81	98	70-130	
Trichloroethene	10.0	10.4	104	70-130	
Methyl methacrylate	10.0	9.54	95	70-130	
1,2-Dichloropropane	10.0	9.47	95	70-130	
1,4-Dioxane	10.0	9.12	91	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 9716_004.D

Lab ID: LCS 200-77911/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.5	105	70-130	
cis-1,3-Dichloropropene	10.0	10.1	101	70-130	
methyl isobutyl ketone	10.0	10.3	103	70-130	
Toluene	10.0	9.74	97	70-130	
trans-1,3-Dichloropropene	10.0	10.4	104	70-130	
1,1,2-Trichloroethane	10.0	9.58	96	70-130	
Tetrachloroethene	10.0	9.74	97	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.6	106	70-130	
Dibromochloromethane	10.0	10.1	101	70-130	
1,2-Dibromoethane	10.0	9.88	99	70-130	
Chlorobenzene	10.0	9.66	97	70-130	
Ethylbenzene	10.0	10.2	102	70-130	
m,p-Xylene	20.0	19.4	97	70-130	
Xylene, o-	10.0	9.66	97	70-130	
Styrene	10.0	9.75	97	70-130	
Bromoform	10.0	10.2	102	70-130	
Cumene	10.0	10.2	102	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.73	97	70-130	
n-Propylbenzene	10.0	10.4	104	70-130	
4-Ethyltoluene	10.0	10.3	103	70-130	
1,3,5-Trimethylbenzene	10.0	10.2	102	70-130	
2-Chlorotoluene	10.0	10.3	103	70-130	
tert-Butylbenzene	10.0	9.93	99	70-130	
1,2,4-Trimethylbenzene	10.0	10.2	102	70-130	
sec-Butylbenzene	10.0	10.3	103	70-130	
4-Isopropyltoluene	10.0	10.2	102	70-130	
1,3-Dichlorobenzene	10.0	9.34	93	70-130	
1,4-Dichlorobenzene	10.0	9.22	92	70-130	
Benzyl chloride	10.0	9.89	99	70-130	
n-Butylbenzene	10.0	10.4	104	70-130	
1,2-Dichlorobenzene	10.0	9.33	93	70-130	
1,2,4-Trichlorobenzene	10.0	9.28	93	70-130	
Hexachlorobutadiene	10.0	11.1	111	70-130	
Naphthalene	10.0	9.02	90	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 9716_004.D

Lab ID: LCS 200-77911/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.6	116	70-130	
Dichlorodifluoromethane	10.0	13.1	131	70-130	*
Freon 22	10.0	12.5	125	70-130	
1,2-Dichlorotetrafluoroethane	10.0	13.5	135	70-130	*
Chloromethane	10.0	10.8	108	70-130	
n-Butane	10.0	11.3	113	70-130	
Vinyl chloride	10.0	10.5	105	70-130	
1,3-Butadiene	10.0	10.8	108	70-130	
Bromomethane	10.0	10.1	101	70-130	
Chloroethane	10.0	9.54	95	70-130	
Bromoethene(Vinyl Bromide)	10.0	11.1	111	70-130	
Trichlorofluoromethane	10.0	12.1	121	70-130	
Ethanol	15.0	19.6	131	70-130	*
Freon TF	10.0	11.2	112	70-130	
1,1-Dichloroethene	10.0	10.2	102	70-130	
Acetone	10.0	11.1	111	70-130	
Isopropyl alcohol	10.0	9.73	97	70-130	
Carbon disulfide	10.0	11.1	111	70-130	
3-Chloropropene	10.0	9.88	99	70-130	
Methylene Chloride	10.0	10.3	103	70-130	
tert-Butyl alcohol	10.0	10.6	106	70-130	
Methyl tert-butyl ether	10.0	11.5	115	70-130	
trans-1,2-Dichloroethene	10.0	11.4	114	70-130	
n-Hexane	10.0	11.4	114	70-130	
1,1-Dichloroethane	10.0	10.8	108	70-130	
Vinyl acetate	10.0	10.2	103	70-130	
Ethyl acetate	10.0	10.0	100	70-130	
Methyl Ethyl Ketone	10.0	9.95	100	70-130	
cis-1,2-Dichloroethene	10.0	9.72	97	70-130	
Chloroform	10.0	11.0	110	70-130	
Tetrahydrofuran	10.0	10.2	102	70-130	
1,1,1-Trichloroethane	10.0	11.6	116	70-130	
Cyclohexane	10.0	10.1	101	70-130	
Carbon tetrachloride	10.0	12.2	122	70-130	
2,2,4-Trimethylpentane	10.0	9.79	98	70-130	
Benzene	10.0	9.75	97	70-130	
1,2-Dichloroethane	10.0	11.3	113	70-130	
n-Heptane	10.0	9.81	98	70-130	
Trichloroethene	10.0	10.4	104	70-130	
Methyl methacrylate	10.0	9.54	95	70-130	
1,2-Dichloropropane	10.0	9.47	95	70-130	
1,4-Dioxane	10.0	9.12	91	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 9716_004.D

Lab ID: LCS 200-77911/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.5	105	70-130	
cis-1,3-Dichloropropene	10.0	10.1	101	70-130	
methyl isobutyl ketone	10.0	10.3	103	70-130	
Toluene	10.0	9.74	97	70-130	
trans-1,3-Dichloropropene	10.0	10.4	104	70-130	
1,1,2-Trichloroethane	10.0	9.58	96	70-130	
Tetrachloroethene	10.0	9.74	97	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.6	106	70-130	
Dibromochloromethane	10.0	10.1	101	70-130	
1,2-Dibromoethane	10.0	9.88	99	70-130	
Chlorobenzene	10.0	9.66	97	70-130	
Ethylbenzene	10.0	10.2	102	70-130	
m,p-Xylene	20.0	19.4	97	70-130	
Xylene, o-	10.0	9.66	97	70-130	
Styrene	10.0	9.75	97	70-130	
Bromoform	10.0	10.2	102	70-130	
Cumene	10.0	10.2	102	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.73	97	70-130	
n-Propylbenzene	10.0	10.4	104	70-130	
4-Ethyltoluene	10.0	10.3	103	70-130	
1,3,5-Trimethylbenzene	10.0	10.2	102	70-130	
2-Chlorotoluene	10.0	10.3	103	70-130	
tert-Butylbenzene	10.0	9.93	99	70-130	
1,2,4-Trimethylbenzene	10.0	10.2	102	70-130	
sec-Butylbenzene	10.0	10.3	103	70-130	
4-Isopropyltoluene	10.0	10.2	102	70-130	
1,3-Dichlorobenzene	10.0	9.34	93	70-130	
1,4-Dichlorobenzene	10.0	9.22	92	70-130	
Benzyl chloride	10.0	9.89	99	70-130	
n-Butylbenzene	10.0	10.4	104	70-130	
1,2-Dichlorobenzene	10.0	9.33	93	70-130	
1,2,4-Trichlorobenzene	10.0	9.28	93	70-130	
Hexachlorobutadiene	10.0	11.1	111	70-130	
Naphthalene	10.0	9.02	90	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 9716_004.D

Lab ID: LCS 200-77911/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.6	116	70-130	
Dichlorodifluoromethane	10.0	13.1	131	70-130	*
Freon 22	10.0	12.5	125	70-130	
1,2-Dichlorotetrafluoroethane	10.0	13.5	135	70-130	*
Chloromethane	10.0	10.8	108	70-130	
n-Butane	10.0	11.3	113	70-130	
Vinyl chloride	10.0	10.5	105	70-130	
1,3-Butadiene	10.0	10.8	108	70-130	
Bromomethane	10.0	10.1	101	70-130	
Chloroethane	10.0	9.54	95	70-130	
Bromoethene(Vinyl Bromide)	10.0	11.1	111	70-130	
Trichlorofluoromethane	10.0	12.1	121	70-130	
Ethanol	15.0	19.6	131	70-130	*
Freon TF	10.0	11.2	112	70-130	
1,1-Dichloroethene	10.0	10.2	102	70-130	
Acetone	10.0	11.1	111	70-130	
Isopropyl alcohol	10.0	9.73	97	70-130	
Carbon disulfide	10.0	11.1	111	70-130	
3-Chloropropene	10.0	9.88	99	70-130	
Methylene Chloride	10.0	10.3	103	70-130	
tert-Butyl alcohol	10.0	10.6	106	70-130	
Methyl tert-butyl ether	10.0	11.5	115	70-130	
trans-1,2-Dichloroethene	10.0	11.4	114	70-130	
n-Hexane	10.0	11.4	114	70-130	
1,1-Dichloroethane	10.0	10.8	108	70-130	
Vinyl acetate	10.0	10.2	103	70-130	
Ethyl acetate	10.0	10.0	100	70-130	
Methyl Ethyl Ketone	10.0	9.95	100	70-130	
cis-1,2-Dichloroethene	10.0	9.72	97	70-130	
Chloroform	10.0	11.0	110	70-130	
Tetrahydrofuran	10.0	10.2	102	70-130	
1,1,1-Trichloroethane	10.0	11.6	116	70-130	
Cyclohexane	10.0	10.1	101	70-130	
Carbon tetrachloride	10.0	12.2	122	70-130	
2,2,4-Trimethylpentane	10.0	9.79	98	70-130	
Benzene	10.0	9.75	97	70-130	
1,2-Dichloroethane	10.0	11.3	113	70-130	
n-Heptane	10.0	9.81	98	70-130	
Trichloroethene	10.0	10.4	104	70-130	
Methyl methacrylate	10.0	9.54	95	70-130	
1,2-Dichloropropane	10.0	9.47	95	70-130	
1,4-Dioxane	10.0	9.12	91	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 9716_004.D

Lab ID: LCS 200-77911/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.5	105	70-130	
cis-1,3-Dichloropropene	10.0	10.1	101	70-130	
methyl isobutyl ketone	10.0	10.3	103	70-130	
Toluene	10.0	9.74	97	70-130	
trans-1,3-Dichloropropene	10.0	10.4	104	70-130	
1,1,2-Trichloroethane	10.0	9.58	96	70-130	
Tetrachloroethene	10.0	9.74	97	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.6	106	70-130	
Dibromochloromethane	10.0	10.1	101	70-130	
1,2-Dibromoethane	10.0	9.88	99	70-130	
Chlorobenzene	10.0	9.66	97	70-130	
Ethylbenzene	10.0	10.2	102	70-130	
m,p-Xylene	20.0	19.4	97	70-130	
Xylene, o-	10.0	9.66	97	70-130	
Styrene	10.0	9.75	97	70-130	
Bromoform	10.0	10.2	102	70-130	
Cumene	10.0	10.2	102	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.73	97	70-130	
n-Propylbenzene	10.0	10.4	104	70-130	
4-Ethyltoluene	10.0	10.3	103	70-130	
1,3,5-Trimethylbenzene	10.0	10.2	102	70-130	
2-Chlorotoluene	10.0	10.3	103	70-130	
tert-Butylbenzene	10.0	9.93	99	70-130	
1,2,4-Trimethylbenzene	10.0	10.2	102	70-130	
sec-Butylbenzene	10.0	10.3	103	70-130	
4-Isopropyltoluene	10.0	10.2	102	70-130	
1,3-Dichlorobenzene	10.0	9.34	93	70-130	
1,4-Dichlorobenzene	10.0	9.22	92	70-130	
Benzyl chloride	10.0	9.89	99	70-130	
n-Butylbenzene	10.0	10.4	104	70-130	
1,2-Dichlorobenzene	10.0	9.33	93	70-130	
1,2,4-Trichlorobenzene	10.0	9.28	93	70-130	
Hexachlorobutadiene	10.0	11.1	111	70-130	
Naphthalene	10.0	9.02	90	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 9716_004.D

Lab ID: LCS 200-77911/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.6	116	70-130	
Dichlorodifluoromethane	10.0	13.1	131	70-130	*
Freon 22	10.0	12.5	125	70-130	
1,2-Dichlorotetrafluoroethane	10.0	13.5	135	70-130	*
Chloromethane	10.0	10.8	108	70-130	
n-Butane	10.0	11.3	113	70-130	
Vinyl chloride	10.0	10.5	105	70-130	
1,3-Butadiene	10.0	10.8	108	70-130	
Bromomethane	10.0	10.1	101	70-130	
Chloroethane	10.0	9.54	95	70-130	
Bromoethene(Vinyl Bromide)	10.0	11.1	111	70-130	
Trichlorofluoromethane	10.0	12.1	121	70-130	
Ethanol	15.0	19.6	131	70-130	*
Freon TF	10.0	11.2	112	70-130	
1,1-Dichloroethene	10.0	10.2	102	70-130	
Acetone	10.0	11.1	111	70-130	
Isopropyl alcohol	10.0	9.73	97	70-130	
Carbon disulfide	10.0	11.1	111	70-130	
3-Chloropropene	10.0	9.88	99	70-130	
Methylene Chloride	10.0	10.3	103	70-130	
tert-Butyl alcohol	10.0	10.6	106	70-130	
Methyl tert-butyl ether	10.0	11.5	115	70-130	
trans-1,2-Dichloroethene	10.0	11.4	114	70-130	
n-Hexane	10.0	11.4	114	70-130	
1,1-Dichloroethane	10.0	10.8	108	70-130	
Vinyl acetate	10.0	10.2	103	70-130	
Ethyl acetate	10.0	10.0	100	70-130	
Methyl Ethyl Ketone	10.0	9.95	100	70-130	
cis-1,2-Dichloroethene	10.0	9.72	97	70-130	
Chloroform	10.0	11.0	110	70-130	
Tetrahydrofuran	10.0	10.2	102	70-130	
1,1,1-Trichloroethane	10.0	11.6	116	70-130	
Cyclohexane	10.0	10.1	101	70-130	
Carbon tetrachloride	10.0	12.2	122	70-130	
2,2,4-Trimethylpentane	10.0	9.79	98	70-130	
Benzene	10.0	9.75	97	70-130	
1,2-Dichloroethane	10.0	11.3	113	70-130	
n-Heptane	10.0	9.81	98	70-130	
Trichloroethene	10.0	10.4	104	70-130	
Methyl methacrylate	10.0	9.54	95	70-130	
1,2-Dichloropropane	10.0	9.47	95	70-130	
1,4-Dioxane	10.0	9.12	91	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 9716_004.D

Lab ID: LCS 200-77911/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.5	105	70-130	
cis-1,3-Dichloropropene	10.0	10.1	101	70-130	
methyl isobutyl ketone	10.0	10.3	103	70-130	
Toluene	10.0	9.74	97	70-130	
trans-1,3-Dichloropropene	10.0	10.4	104	70-130	
1,1,2-Trichloroethane	10.0	9.58	96	70-130	
Tetrachloroethene	10.0	9.74	97	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.6	106	70-130	
Dibromochloromethane	10.0	10.1	101	70-130	
1,2-Dibromoethane	10.0	9.88	99	70-130	
Chlorobenzene	10.0	9.66	97	70-130	
Ethylbenzene	10.0	10.2	102	70-130	
m,p-Xylene	20.0	19.4	97	70-130	
Xylene, o-	10.0	9.66	97	70-130	
Styrene	10.0	9.75	97	70-130	
Bromoform	10.0	10.2	102	70-130	
Cumene	10.0	10.2	102	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.73	97	70-130	
n-Propylbenzene	10.0	10.4	104	70-130	
4-Ethyltoluene	10.0	10.3	103	70-130	
1,3,5-Trimethylbenzene	10.0	10.2	102	70-130	
2-Chlorotoluene	10.0	10.3	103	70-130	
tert-Butylbenzene	10.0	9.93	99	70-130	
1,2,4-Trimethylbenzene	10.0	10.2	102	70-130	
sec-Butylbenzene	10.0	10.3	103	70-130	
4-Isopropyltoluene	10.0	10.2	102	70-130	
1,3-Dichlorobenzene	10.0	9.34	93	70-130	
1,4-Dichlorobenzene	10.0	9.22	92	70-130	
Benzyl chloride	10.0	9.89	99	70-130	
n-Butylbenzene	10.0	10.4	104	70-130	
1,2-Dichlorobenzene	10.0	9.33	93	70-130	
1,2,4-Trichlorobenzene	10.0	9.28	93	70-130	
Hexachlorobutadiene	10.0	11.1	111	70-130	
Naphthalene	10.0	9.02	90	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 9716_004.D

Lab ID: LCS 200-77911/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.6	116	70-130	
Dichlorodifluoromethane	10.0	13.1	131	70-130	*
Freon 22	10.0	12.5	125	70-130	
1,2-Dichlorotetrafluoroethane	10.0	13.5	135	70-130	*
Chloromethane	10.0	10.8	108	70-130	
n-Butane	10.0	11.3	113	70-130	
Vinyl chloride	10.0	10.5	105	70-130	
1,3-Butadiene	10.0	10.8	108	70-130	
Bromomethane	10.0	10.1	101	70-130	
Chloroethane	10.0	9.54	95	70-130	
Bromoethene(Vinyl Bromide)	10.0	11.1	111	70-130	
Trichlorofluoromethane	10.0	12.1	121	70-130	
Ethanol	15.0	19.6	131	70-130	*
Freon TF	10.0	11.2	112	70-130	
1,1-Dichloroethene	10.0	10.2	102	70-130	
Acetone	10.0	11.1	111	70-130	
Isopropyl alcohol	10.0	9.73	97	70-130	
Carbon disulfide	10.0	11.1	111	70-130	
3-Chloropropene	10.0	9.88	99	70-130	
Methylene Chloride	10.0	10.3	103	70-130	
tert-Butyl alcohol	10.0	10.6	106	70-130	
Methyl tert-butyl ether	10.0	11.5	115	70-130	
trans-1,2-Dichloroethene	10.0	11.4	114	70-130	
n-Hexane	10.0	11.4	114	70-130	
1,1-Dichloroethane	10.0	10.8	108	70-130	
Vinyl acetate	10.0	10.2	103	70-130	
Ethyl acetate	10.0	10.0	100	70-130	
Methyl Ethyl Ketone	10.0	9.95	100	70-130	
cis-1,2-Dichloroethene	10.0	9.72	97	70-130	
Chloroform	10.0	11.0	110	70-130	
Tetrahydrofuran	10.0	10.2	102	70-130	
1,1,1-Trichloroethane	10.0	11.6	116	70-130	
Cyclohexane	10.0	10.1	101	70-130	
Carbon tetrachloride	10.0	12.2	122	70-130	
2,2,4-Trimethylpentane	10.0	9.79	98	70-130	
Benzene	10.0	9.75	97	70-130	
1,2-Dichloroethane	10.0	11.3	113	70-130	
n-Heptane	10.0	9.81	98	70-130	
Trichloroethene	10.0	10.4	104	70-130	
Methyl methacrylate	10.0	9.54	95	70-130	
1,2-Dichloropropane	10.0	9.47	95	70-130	
1,4-Dioxane	10.0	9.12	91	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 9716_004.D

Lab ID: LCS 200-77911/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.5	105	70-130	
cis-1,3-Dichloropropene	10.0	10.1	101	70-130	
methyl isobutyl ketone	10.0	10.3	103	70-130	
Toluene	10.0	9.74	97	70-130	
trans-1,3-Dichloropropene	10.0	10.4	104	70-130	
1,1,2-Trichloroethane	10.0	9.58	96	70-130	
Tetrachloroethene	10.0	9.74	97	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.6	106	70-130	
Dibromochloromethane	10.0	10.1	101	70-130	
1,2-Dibromoethane	10.0	9.88	99	70-130	
Chlorobenzene	10.0	9.66	97	70-130	
Ethylbenzene	10.0	10.2	102	70-130	
m,p-Xylene	20.0	19.4	97	70-130	
Xylene, o-	10.0	9.66	97	70-130	
Styrene	10.0	9.75	97	70-130	
Bromoform	10.0	10.2	102	70-130	
Cumene	10.0	10.2	102	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.73	97	70-130	
n-Propylbenzene	10.0	10.4	104	70-130	
4-Ethyltoluene	10.0	10.3	103	70-130	
1,3,5-Trimethylbenzene	10.0	10.2	102	70-130	
2-Chlorotoluene	10.0	10.3	103	70-130	
tert-Butylbenzene	10.0	9.93	99	70-130	
1,2,4-Trimethylbenzene	10.0	10.2	102	70-130	
sec-Butylbenzene	10.0	10.3	103	70-130	
4-Isopropyltoluene	10.0	10.2	102	70-130	
1,3-Dichlorobenzene	10.0	9.34	93	70-130	
1,4-Dichlorobenzene	10.0	9.22	92	70-130	
Benzyl chloride	10.0	9.89	99	70-130	
n-Butylbenzene	10.0	10.4	104	70-130	
1,2-Dichlorobenzene	10.0	9.33	93	70-130	
1,2,4-Trichlorobenzene	10.0	9.28	93	70-130	
Hexachlorobutadiene	10.0	11.1	111	70-130	
Naphthalene	10.0	9.02	90	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Lab File ID: 9716_005.D Lab Sample ID: MB 200-77911/5

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHC.i Date Analyzed: 09/29/2014 11:33

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-77911/4	9716_004.D	09/29/2014 10:39
5029	200-24405-7	9716_006.D	09/29/2014 12:32

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-77911/5

Matrix: Air Lab File ID: 9716_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/29/2014 11:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24405-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-77911/5

Matrix: Air | Lab File ID: 9716_005.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 09/29/2014 11:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 77911 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-77911/5

Matrix: Air Lab File ID: 9716_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/29/2014 11:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_005.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 29-Sep-2014 11:33:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009716-005
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 29-Sep-2014 13:55:24 Calib Date: 15-Aug-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140815-9029.b\9029_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: lyonsb Date: 29-Sep-2014 13:55:24

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1	Propene	41		2.994					ND	
2	Dichlorodifluoromethane	85		3.069					ND	
6	Chlorodifluoromethane	51		3.122					0	
3	Difluoroethane TIC	51		3.150					ND	
4	Chlorotrifluoroethene TIC	116		3.162					ND	
5	Freon 115 TIC	85		3.180					ND	
7	1,2-Dichloro-1,1,2,2-tetra	85		3.341					ND	
8	Chloromethane	50		3.479					0	
9	Butane	43		3.688					ND	
10	Vinyl chloride	62		3.730					ND	
11	Butadiene	54		3.810					ND	
12	Bromomethane	94		4.520					ND	
13	Chloroethane	64		4.771					ND	
14	2-Methylbutane	43		4.835					ND	
15	Vinyl bromide	106		5.171					ND	
16	Trichlorofluoromethane	101		5.273					ND	
17	Pentane	43		5.422					ND	
19	Ethanol	45		5.929					ND	
21	Ethyl ether	59		5.982					ND	
20	1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
22	Acrolein	56		6.383					ND	
23	1,1,2-Trichloro-1,2,2-trif	101		6.399					ND	
24	1,1-Dichloroethene	96		6.431					ND	
25	Acetone	43		6.714					0	
26	Carbon disulfide	76		6.815					ND	
27	Isopropyl alcohol	45		7.045					ND	
T 28	Methyl Acetate TIC	43		7.200					0	
29	3-Chloro-1-propene	41		7.253					ND	
30	Acetonitrile	41		7.418					ND	
31	Methylene Chloride	49	7.562	7.562	0.000	41	1190		0.0956	
32	2-Methyl-2-propanol	59		7.834					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Methyl tert-butyl ether	73		7.984					ND	
34 trans-1,2-Dichloroethene	61		8.005					ND	
35 Acrylonitrile	53		8.187					ND	
36 Hexane	57		8.400					ND	
37 1,1-Dichloroethane	63		8.907					ND	
38 Vinyl acetate	43		9.003					ND	
39 cis-1,2-Dichloroethene	96		10.049					ND	
40 2-Butanone (MEK)	72		10.124					ND	
42 Ethyl acetate	88		10.161					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
* 43 Chlorobromomethane	128	10.514	10.519	-0.005	74	133712	10.0	10.0	
44 Tetrahydrofuran	42		10.540					ND	
45 Chloroform	83		10.663					ND	
46 Cyclohexane	84		10.887					ND	
47 1,1,1-Trichloroethane	97		10.924					ND	
48 Carbon tetrachloride	117		11.175					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
51 Isooctane	57		11.624					ND	
50 Benzene	78		11.656					ND	
52 1,2-Dichloroethane	62		11.858					ND	
53 n-Heptane	43		12.029					ND	
* 54 1,4-Difluorobenzene	114	12.531	12.531	0.000	96	640981	10.0	10.0	
55 n-Butanol	56		12.974					ND	
56 Trichloroethene	95		12.995					ND	
A 57 GRO	1	13.142	(4.825-21.459)		0	115961		0	
58 1,2-Dichloropropane	63		13.577					ND	
59 Methyl methacrylate	69		13.764					ND	
60 1,4-Dioxane	88		13.828					ND	
61 Dibromomethane	174		13.838					ND	
62 Dichlorobromomethane	83		14.148					ND	
A 63 TVOC as Toluene	1	14.860	(2.984-26.737)		0	361912		11.9	
64 cis-1,3-Dichloropropene	75		15.093					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.402					ND	
A 67 Toluene Range	1		(15.640-15.720)					ND	
66 Toluene	92		15.680					ND	
68 n-Octane	43		15.738					ND	
A 69 C8 Range	1		(15.737-16.214)					ND	
70 trans-1,3-Dichloropropene	75		16.299					ND	
71 1,1,2-Trichloroethane	83		16.672					ND	
72 Tetrachloroethene	166		16.758					ND	
73 2-Hexanone	43		17.131					ND	
74 Chlorodibromomethane	129		17.430					ND	
75 Ethylene Dibromide	107		17.697					ND	
* 76 Chlorobenzene-d5	117	18.588	18.588	0.000	94	606649	10.0	10.0	
80 1,2-Dibromo-3-Chloropropan	75	18.583	18.652	-0.069	33	17530		NC	
77 Chlorobenzene	112		18.652					ND	
78 Ethylbenzene	91		18.802					ND	
79 n-Nonane	57		18.924					ND	
81 m-Xylene & p-Xylene	106		19.053					ND	
83 o-Xylene	106		19.890					ND	
84 Styrene	104		19.944					ND	
S 82 Xylenes, Total	106		20.100					0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 Bromoform	173		20.365					ND	
86 Isopropylbenzene	105		20.563					ND	
$ 87 4-Bromofluorobenzene	95	20.931	20.931	0.000	83	525419	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		21.225					ND	
90 N-Propylbenzene	91		21.283					0	
89 1,2,3-Trichloropropane	75		21.315					ND	
93 n-Decane	57		21.449					ND	
91 4-Ethyltoluene	105		21.470					ND	
92 2-Chlorotoluene	91		21.476					0	
94 1,3,5-Trimethylbenzene	105		21.577					ND	
95 Alpha Methyl Styrene	118		21.940					ND	
96 tert-Butylbenzene	119		22.057					ND	
97 1,2,4-Trimethylbenzene	105		22.153					ND	
98 sec-Butylbenzene	105		22.383					ND	
99 4-Isopropyltoluene	119		22.580					ND	
100 1,3-Dichlorobenzene	146		22.612					ND	
101 1,4-Dichlorobenzene	146		22.746					ND	
102 Benzyl chloride	91		22.943					0	
103 n-Butylbenzene	91		23.151					0	
104 Undecane	57		23.173					ND	
105 1,2-Dichlorobenzene	146		23.274					0	
106 Dodecane	57		24.747					ND	
107 1,2,4-Trichlorobenzene	180		25.766					0	
108 Hexachlorobutadiene	225		25.948					ND	
109 Naphthalene	128		26.252					0	
110 1,2,3-Trichlorobenzene	180		26.727					0	
111 Total Alkanes	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

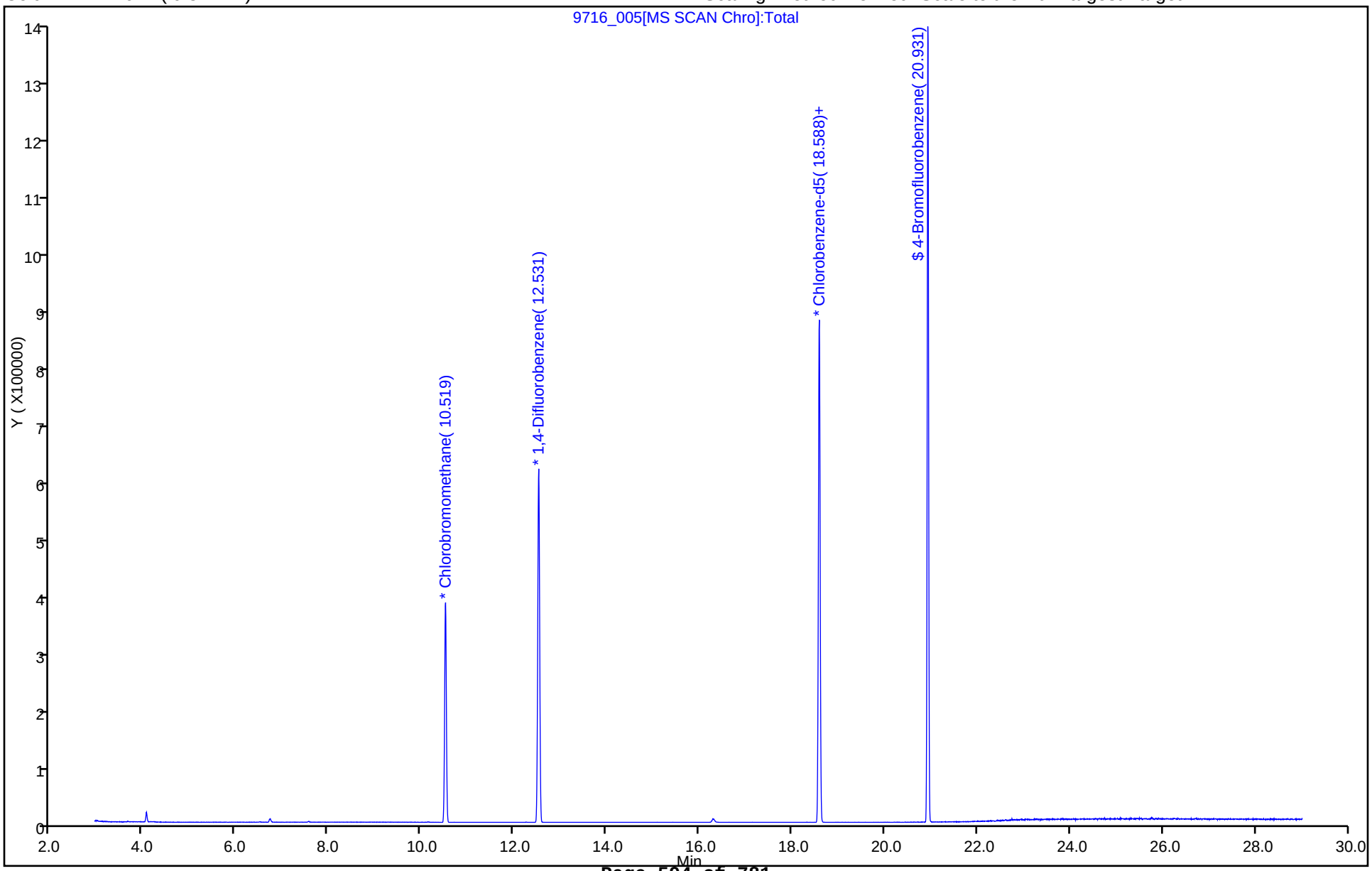
Report Date: 29-Sep-2014 13:55:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_005.D

Injection Date:	29-Sep-2014 11:33:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Lab File ID: 9716_005.D Lab Sample ID: MB 200-77911/5

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHC.i Date Analyzed: 09/29/2014 11:33

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-77911/4	9716_004.D	09/29/2014 10:39
3324	200-24409-6	9716_007.D	09/29/2014 13:26

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-77911/5

Matrix: Air Lab File ID: 9716_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/29/2014 11:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24409-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-77911/5

Matrix: Air | Lab File ID: 9716_005.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 09/29/2014 11:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 77911 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-77911/5

Matrix: Air Lab File ID: 9716_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/29/2014 11:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_005.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 29-Sep-2014 11:33:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009716-005
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 29-Sep-2014 13:55:24 Calib Date: 15-Aug-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140815-9029.b\9029_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: lyonsb Date: 29-Sep-2014 13:55:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		2.994					ND	
2 Dichlorodifluoromethane	85		3.069					ND	
6 Chlorodifluoromethane	51		3.122					0	
3 Difluoroethane TIC	51		3.150					ND	
4 Chlorotrifluoroethene TIC	116		3.162					ND	
5 Freon 115 TIC	85		3.180					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.341					ND	
8 Chloromethane	50		3.479					0	
9 Butane	43		3.688					ND	
10 Vinyl chloride	62		3.730					ND	
11 Butadiene	54		3.810					ND	
12 Bromomethane	94		4.520					ND	
13 Chloroethane	64		4.771					ND	
14 2-Methylbutane	43		4.835					ND	
15 Vinyl bromide	106		5.171					ND	
16 Trichlorofluoromethane	101		5.273					ND	
17 Pentane	43		5.422					ND	
19 Ethanol	45		5.929					ND	
21 Ethyl ether	59		5.982					ND	
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
22 Acrolein	56		6.383					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.399					ND	
24 1,1-Dichloroethene	96		6.431					ND	
25 Acetone	43		6.714					0	
26 Carbon disulfide	76		6.815					ND	
27 Isopropyl alcohol	45		7.045					ND	
T 28 Methyl Acetate TIC	43		7.200					0	
29 3-Chloro-1-propene	41		7.253					ND	
30 Acetonitrile	41		7.418					ND	
31 Methylene Chloride	49	7.562	7.562	0.000	41	1190		0.0956	
32 2-Methyl-2-propanol	59		7.834					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Methyl tert-butyl ether	73		7.984					ND	
34 trans-1,2-Dichloroethene	61		8.005					ND	
35 Acrylonitrile	53		8.187					ND	
36 Hexane	57		8.400					ND	
37 1,1-Dichloroethane	63		8.907					ND	
38 Vinyl acetate	43		9.003					ND	
39 cis-1,2-Dichloroethene	96		10.049					ND	
40 2-Butanone (MEK)	72		10.124					ND	
42 Ethyl acetate	88		10.161					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
* 43 Chlorobromomethane	128	10.514	10.519	-0.005	74	133712	10.0	10.0	
44 Tetrahydrofuran	42		10.540					ND	
45 Chloroform	83		10.663					ND	
46 Cyclohexane	84		10.887					ND	
47 1,1,1-Trichloroethane	97		10.924					ND	
48 Carbon tetrachloride	117		11.175					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
51 Isooctane	57		11.624					ND	
50 Benzene	78		11.656					ND	
52 1,2-Dichloroethane	62		11.858					ND	
53 n-Heptane	43		12.029					ND	
* 54 1,4-Difluorobenzene	114	12.531	12.531	0.000	96	640981	10.0	10.0	
55 n-Butanol	56		12.974					ND	
56 Trichloroethene	95		12.995					ND	
A 57 GRO	1	13.142	(4.825-21.459)		0	115961		0	
58 1,2-Dichloropropane	63		13.577					ND	
59 Methyl methacrylate	69		13.764					ND	
60 1,4-Dioxane	88		13.828					ND	
61 Dibromomethane	174		13.838					ND	
62 Dichlorobromomethane	83		14.148					ND	
A 63 TVOC as Toluene	1	14.860	(2.984-26.737)		0	361912		11.9	
64 cis-1,3-Dichloropropene	75		15.093					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.402					ND	
A 67 Toluene Range	1		(15.640-15.720)					ND	
66 Toluene	92		15.680					ND	
68 n-Octane	43		15.738					ND	
A 69 C8 Range	1		(15.737-16.214)					ND	
70 trans-1,3-Dichloropropene	75		16.299					ND	
71 1,1,2-Trichloroethane	83		16.672					ND	
72 Tetrachloroethene	166		16.758					ND	
73 2-Hexanone	43		17.131					ND	
74 Chlorodibromomethane	129		17.430					ND	
75 Ethylene Dibromide	107		17.697					ND	
* 76 Chlorobenzene-d5	117	18.588	18.588	0.000	94	606649	10.0	10.0	
80 1,2-Dibromo-3-Chloropropan	75	18.583	18.652	-0.069	33	17530		NC	
77 Chlorobenzene	112		18.652					ND	
78 Ethylbenzene	91		18.802					ND	
79 n-Nonane	57		18.924					ND	
81 m-Xylene & p-Xylene	106		19.053					ND	
83 o-Xylene	106		19.890					ND	
84 Styrene	104		19.944					ND	
S 82 Xylenes, Total	106		20.100					0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 Bromoform	173		20.365					ND	
86 Isopropylbenzene	105		20.563					ND	
$ 87 4-Bromofluorobenzene	95	20.931	20.931	0.000	83	525419	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		21.225					ND	
90 N-Propylbenzene	91		21.283					0	
89 1,2,3-Trichloropropane	75		21.315					ND	
93 n-Decane	57		21.449					ND	
91 4-Ethyltoluene	105		21.470					ND	
92 2-Chlorotoluene	91		21.476					0	
94 1,3,5-Trimethylbenzene	105		21.577					ND	
95 Alpha Methyl Styrene	118		21.940					ND	
96 tert-Butylbenzene	119		22.057					ND	
97 1,2,4-Trimethylbenzene	105		22.153					ND	
98 sec-Butylbenzene	105		22.383					ND	
99 4-Isopropyltoluene	119		22.580					ND	
100 1,3-Dichlorobenzene	146		22.612					ND	
101 1,4-Dichlorobenzene	146		22.746					ND	
102 Benzyl chloride	91		22.943					0	
103 n-Butylbenzene	91		23.151					0	
104 Undecane	57		23.173					ND	
105 1,2-Dichlorobenzene	146		23.274					0	
106 Dodecane	57		24.747					ND	
107 1,2,4-Trichlorobenzene	180		25.766					0	
108 Hexachlorobutadiene	225		25.948					ND	
109 Naphthalene	128		26.252					0	
110 1,2,3-Trichlorobenzene	180		26.727					0	
111 Total Alkanes	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

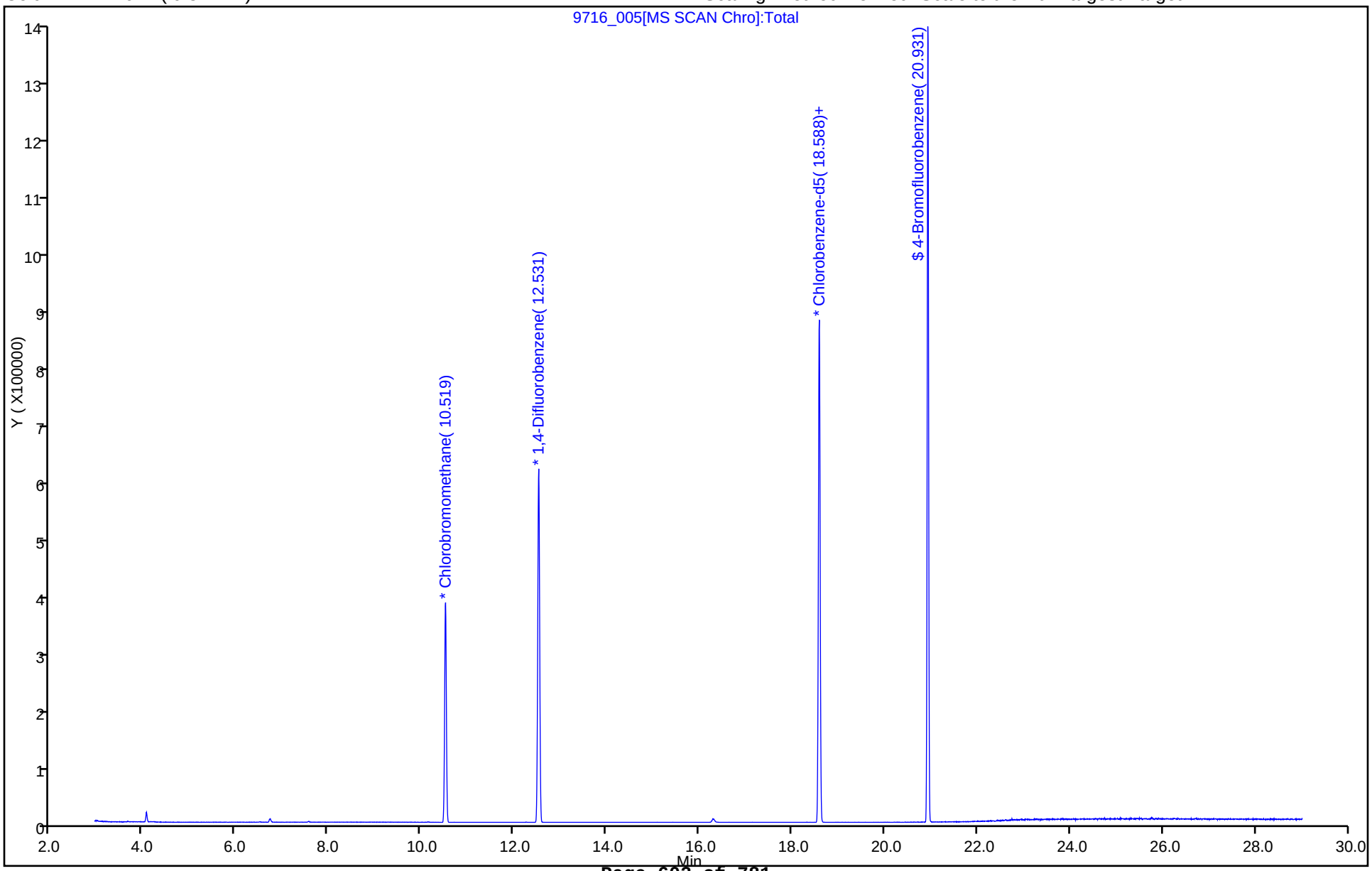
Report Date: 29-Sep-2014 13:55:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_005.D

Injection Date:	29-Sep-2014 11:33:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Lab File ID: 9716_005.D Lab Sample ID: MB 200-77911/5

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHC.i Date Analyzed: 09/29/2014 11:33

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-77911/4	9716_004.D	09/29/2014 10:39
2902	200-24410-7	9716_008.D	09/29/2014 14:25

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-77911/5

Matrix: Air Lab File ID: 9716_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/29/2014 11:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24410-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-77911/5

Matrix: Air | Lab File ID: 9716_005.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 09/29/2014 11:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 77911 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-77911/5

Matrix: Air Lab File ID: 9716_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/29/2014 11:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_005.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 29-Sep-2014 11:33:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009716-005
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 29-Sep-2014 13:55:24 Calib Date: 15-Aug-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140815-9029.b\9029_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: lyonsb Date: 29-Sep-2014 13:55:24

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
	1 Propene	41		2.994					ND	
	2 Dichlorodifluoromethane	85		3.069					ND	
	6 Chlorodifluoromethane	51		3.122					0	
	3 Difluoroethane TIC	51		3.150					ND	
	4 Chlorotrifluoroethene TIC	116		3.162					ND	
	5 Freon 115 TIC	85		3.180					ND	
	7 1,2-Dichloro-1,1,2,2-tetra	85		3.341					ND	
	8 Chloromethane	50		3.479					0	
	9 Butane	43		3.688					ND	
	10 Vinyl chloride	62		3.730					ND	
	11 Butadiene	54		3.810					ND	
	12 Bromomethane	94		4.520					ND	
	13 Chloroethane	64		4.771					ND	
	14 2-Methylbutane	43		4.835					ND	
	15 Vinyl bromide	106		5.171					ND	
	16 Trichlorofluoromethane	101		5.273					ND	
	17 Pentane	43		5.422					ND	
	19 Ethanol	45		5.929					ND	
	21 Ethyl ether	59		5.982					ND	
	20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
	22 Acrolein	56		6.383					ND	
	23 1,1,2-Trichloro-1,2,2-trif	101		6.399					ND	
	24 1,1-Dichloroethene	96		6.431					ND	
	25 Acetone	43		6.714					0	
	26 Carbon disulfide	76		6.815					ND	
	27 Isopropyl alcohol	45		7.045					ND	
T	28 Methyl Acetate TIC	43		7.200					0	
	29 3-Chloro-1-propene	41		7.253					ND	
	30 Acetonitrile	41		7.418					ND	
	31 Methylene Chloride	49	7.562	7.562	0.000	41	1190		0.0956	
	32 2-Methyl-2-propanol	59		7.834					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Methyl tert-butyl ether	73		7.984					ND	
34 trans-1,2-Dichloroethene	61		8.005					ND	
35 Acrylonitrile	53		8.187					ND	
36 Hexane	57		8.400					ND	
37 1,1-Dichloroethane	63		8.907					ND	
38 Vinyl acetate	43		9.003					ND	
39 cis-1,2-Dichloroethene	96		10.049					ND	
40 2-Butanone (MEK)	72		10.124					ND	
42 Ethyl acetate	88		10.161					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
* 43 Chlorobromomethane	128	10.514	10.519	-0.005	74	133712	10.0	10.0	
44 Tetrahydrofuran	42		10.540					ND	
45 Chloroform	83		10.663					ND	
46 Cyclohexane	84		10.887					ND	
47 1,1,1-Trichloroethane	97		10.924					ND	
48 Carbon tetrachloride	117		11.175					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
51 Isooctane	57		11.624					ND	
50 Benzene	78		11.656					ND	
52 1,2-Dichloroethane	62		11.858					ND	
53 n-Heptane	43		12.029					ND	
* 54 1,4-Difluorobenzene	114	12.531	12.531	0.000	96	640981	10.0	10.0	
55 n-Butanol	56		12.974					ND	
56 Trichloroethene	95		12.995					ND	
A 57 GRO	1	13.142	(4.825-21.459)		0	115961		0	
58 1,2-Dichloropropane	63		13.577					ND	
59 Methyl methacrylate	69		13.764					ND	
60 1,4-Dioxane	88		13.828					ND	
61 Dibromomethane	174		13.838					ND	
62 Dichlorobromomethane	83		14.148					ND	
A 63 TVOC as Toluene	1	14.860	(2.984-26.737)		0	361912		11.9	
64 cis-1,3-Dichloropropene	75		15.093					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.402					ND	
A 67 Toluene Range	1		(15.640-15.720)					ND	
66 Toluene	92		15.680					ND	
68 n-Octane	43		15.738					ND	
A 69 C8 Range	1		(15.737-16.214)					ND	
70 trans-1,3-Dichloropropene	75		16.299					ND	
71 1,1,2-Trichloroethane	83		16.672					ND	
72 Tetrachloroethene	166		16.758					ND	
73 2-Hexanone	43		17.131					ND	
74 Chlorodibromomethane	129		17.430					ND	
75 Ethylene Dibromide	107		17.697					ND	
* 76 Chlorobenzene-d5	117	18.588	18.588	0.000	94	606649	10.0	10.0	
80 1,2-Dibromo-3-Chloropropan	75	18.583	18.652	-0.069	33	17530		NC	
77 Chlorobenzene	112		18.652					ND	
78 Ethylbenzene	91		18.802					ND	
79 n-Nonane	57		18.924					ND	
81 m-Xylene & p-Xylene	106		19.053					ND	
83 o-Xylene	106		19.890					ND	
84 Styrene	104		19.944					ND	
S 82 Xylenes, Total	106		20.100					0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 Bromoform	173		20.365					ND	
86 Isopropylbenzene	105		20.563					ND	
$ 87 4-Bromofluorobenzene	95	20.931	20.931	0.000	83	525419	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		21.225					ND	
90 N-Propylbenzene	91		21.283					0	
89 1,2,3-Trichloropropane	75		21.315					ND	
93 n-Decane	57		21.449					ND	
91 4-Ethyltoluene	105		21.470					ND	
92 2-Chlorotoluene	91		21.476					0	
94 1,3,5-Trimethylbenzene	105		21.577					ND	
95 Alpha Methyl Styrene	118		21.940					ND	
96 tert-Butylbenzene	119		22.057					ND	
97 1,2,4-Trimethylbenzene	105		22.153					ND	
98 sec-Butylbenzene	105		22.383					ND	
99 4-Isopropyltoluene	119		22.580					ND	
100 1,3-Dichlorobenzene	146		22.612					ND	
101 1,4-Dichlorobenzene	146		22.746					ND	
102 Benzyl chloride	91		22.943					0	
103 n-Butylbenzene	91		23.151					0	
104 Undecane	57		23.173					ND	
105 1,2-Dichlorobenzene	146		23.274					0	
106 Dodecane	57		24.747					ND	
107 1,2,4-Trichlorobenzene	180		25.766					0	
108 Hexachlorobutadiene	225		25.948					ND	
109 Naphthalene	128		26.252					0	
110 1,2,3-Trichlorobenzene	180		26.727					0	
111 Total Alkanes	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

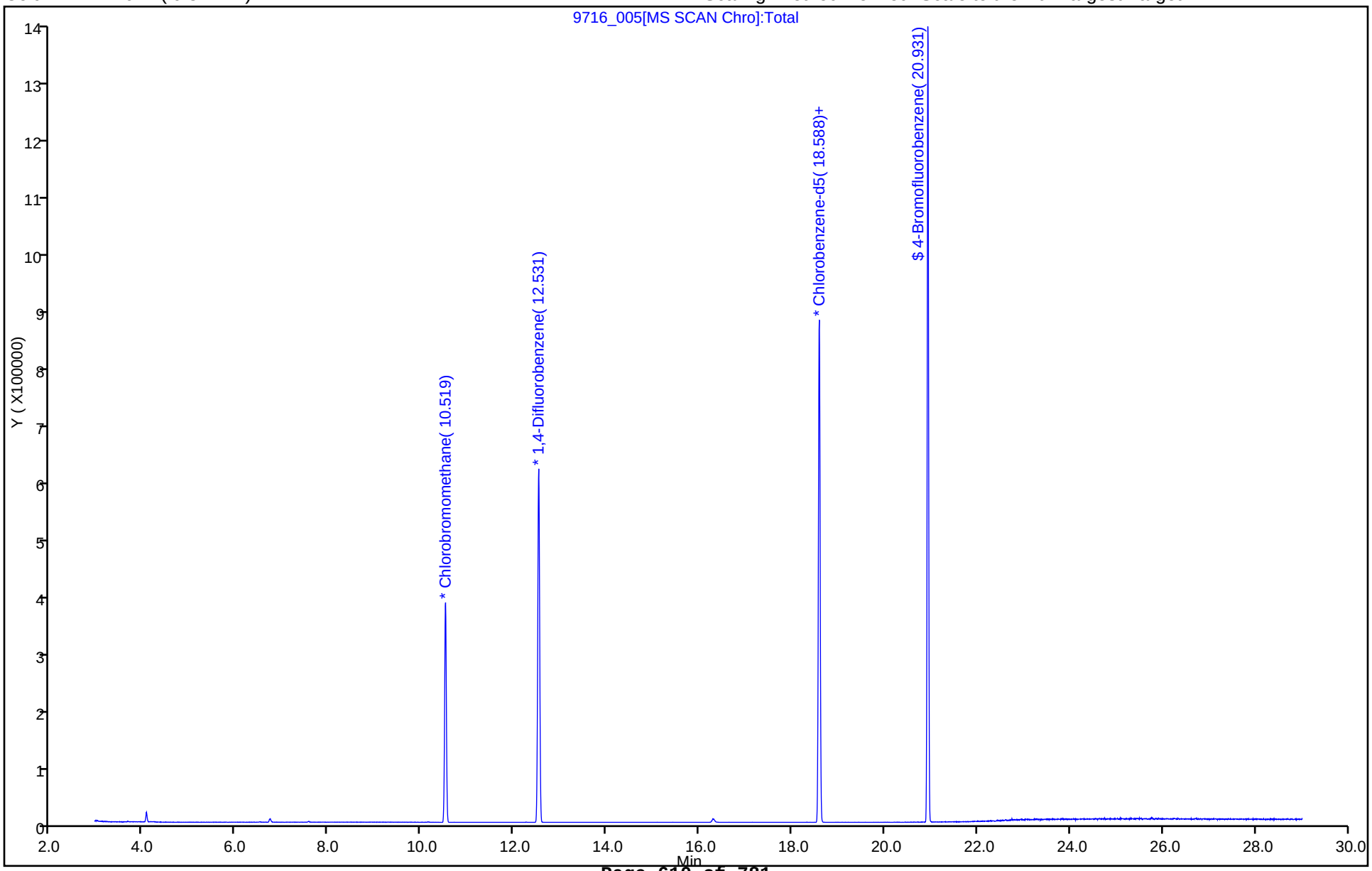
Report Date: 29-Sep-2014 13:55:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_005.D

Injection Date:	29-Sep-2014 11:33:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Lab File ID: 9716_005.D Lab Sample ID: MB 200-77911/5

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHC.i Date Analyzed: 09/29/2014 11:33

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-77911/4	9716_004.D	09/29/2014 10:39
5034	200-24452-12	9716_022.D	09/30/2014 03:33

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-77911/5

Matrix: Air Lab File ID: 9716_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/29/2014 11:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24452-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-77911/5

Matrix: Air | Lab File ID: 9716_005.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 09/29/2014 11:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 77911 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-77911/5

Matrix: Air Lab File ID: 9716_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/29/2014 11:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_005.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 29-Sep-2014 11:33:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009716-005
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 29-Sep-2014 13:55:24 Calib Date: 15-Aug-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140815-9029.b\9029_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: lyonsb Date: 29-Sep-2014 13:55:24

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
	1 Propene	41		2.994					ND	
	2 Dichlorodifluoromethane	85		3.069					ND	
	6 Chlorodifluoromethane	51		3.122					0	
	3 Difluoroethane TIC	51		3.150					ND	
	4 Chlorotrifluoroethene TIC	116		3.162					ND	
	5 Freon 115 TIC	85		3.180					ND	
	7 1,2-Dichloro-1,1,2,2-tetra	85		3.341					ND	
	8 Chloromethane	50		3.479					0	
	9 Butane	43		3.688					ND	
	10 Vinyl chloride	62		3.730					ND	
	11 Butadiene	54		3.810					ND	
	12 Bromomethane	94		4.520					ND	
	13 Chloroethane	64		4.771					ND	
	14 2-Methylbutane	43		4.835					ND	
	15 Vinyl bromide	106		5.171					ND	
	16 Trichlorofluoromethane	101		5.273					ND	
	17 Pentane	43		5.422					ND	
	19 Ethanol	45		5.929					ND	
	21 Ethyl ether	59		5.982					ND	
	20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
	22 Acrolein	56		6.383					ND	
	23 1,1,2-Trichloro-1,2,2-trif	101		6.399					ND	
	24 1,1-Dichloroethene	96		6.431					ND	
	25 Acetone	43		6.714					0	
	26 Carbon disulfide	76		6.815					ND	
	27 Isopropyl alcohol	45		7.045					ND	
T	28 Methyl Acetate TIC	43		7.200					0	
	29 3-Chloro-1-propene	41		7.253					ND	
	30 Acetonitrile	41		7.418					ND	
	31 Methylene Chloride	49	7.562	7.562	0.000	41	1190		0.0956	
	32 2-Methyl-2-propanol	59		7.834					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Methyl tert-butyl ether	73		7.984					ND	
34 trans-1,2-Dichloroethene	61		8.005					ND	
35 Acrylonitrile	53		8.187					ND	
36 Hexane	57		8.400					ND	
37 1,1-Dichloroethane	63		8.907					ND	
38 Vinyl acetate	43		9.003					ND	
39 cis-1,2-Dichloroethene	96		10.049					ND	
40 2-Butanone (MEK)	72		10.124					ND	
42 Ethyl acetate	88		10.161					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
* 43 Chlorobromomethane	128	10.514	10.519	-0.005	74	133712	10.0	10.0	
44 Tetrahydrofuran	42		10.540					ND	
45 Chloroform	83		10.663					ND	
46 Cyclohexane	84		10.887					ND	
47 1,1,1-Trichloroethane	97		10.924					ND	
48 Carbon tetrachloride	117		11.175					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
51 Isooctane	57		11.624					ND	
50 Benzene	78		11.656					ND	
52 1,2-Dichloroethane	62		11.858					ND	
53 n-Heptane	43		12.029					ND	
* 54 1,4-Difluorobenzene	114	12.531	12.531	0.000	96	640981	10.0	10.0	
55 n-Butanol	56		12.974					ND	
56 Trichloroethene	95		12.995					ND	
A 57 GRO	1	13.142	(4.825-21.459)		0	115961		0	
58 1,2-Dichloropropane	63		13.577					ND	
59 Methyl methacrylate	69		13.764					ND	
60 1,4-Dioxane	88		13.828					ND	
61 Dibromomethane	174		13.838					ND	
62 Dichlorobromomethane	83		14.148					ND	
A 63 TVOC as Toluene	1	14.860	(2.984-26.737)		0	361912		11.9	
64 cis-1,3-Dichloropropene	75		15.093					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.402					ND	
A 67 Toluene Range	1		(15.640-15.720)					ND	
66 Toluene	92		15.680					ND	
68 n-Octane	43		15.738					ND	
A 69 C8 Range	1		(15.737-16.214)					ND	
70 trans-1,3-Dichloropropene	75		16.299					ND	
71 1,1,2-Trichloroethane	83		16.672					ND	
72 Tetrachloroethene	166		16.758					ND	
73 2-Hexanone	43		17.131					ND	
74 Chlorodibromomethane	129		17.430					ND	
75 Ethylene Dibromide	107		17.697					ND	
* 76 Chlorobenzene-d5	117	18.588	18.588	0.000	94	606649	10.0	10.0	
80 1,2-Dibromo-3-Chloropropan	75	18.583	18.652	-0.069	33	17530		NC	
77 Chlorobenzene	112		18.652					ND	
78 Ethylbenzene	91		18.802					ND	
79 n-Nonane	57		18.924					ND	
81 m-Xylene & p-Xylene	106		19.053					ND	
83 o-Xylene	106		19.890					ND	
84 Styrene	104		19.944					ND	
S 82 Xylenes, Total	106		20.100					0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 Bromoform	173		20.365					ND	
86 Isopropylbenzene	105		20.563					ND	
$ 87 4-Bromofluorobenzene	95	20.931	20.931	0.000	83	525419	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		21.225					ND	
90 N-Propylbenzene	91		21.283					0	
89 1,2,3-Trichloropropane	75		21.315					ND	
93 n-Decane	57		21.449					ND	
91 4-Ethyltoluene	105		21.470					ND	
92 2-Chlorotoluene	91		21.476					0	
94 1,3,5-Trimethylbenzene	105		21.577					ND	
95 Alpha Methyl Styrene	118		21.940					ND	
96 tert-Butylbenzene	119		22.057					ND	
97 1,2,4-Trimethylbenzene	105		22.153					ND	
98 sec-Butylbenzene	105		22.383					ND	
99 4-Isopropyltoluene	119		22.580					ND	
100 1,3-Dichlorobenzene	146		22.612					ND	
101 1,4-Dichlorobenzene	146		22.746					ND	
102 Benzyl chloride	91		22.943					0	
103 n-Butylbenzene	91		23.151					0	
104 Undecane	57		23.173					ND	
105 1,2-Dichlorobenzene	146		23.274					0	
106 Dodecane	57		24.747					ND	
107 1,2,4-Trichlorobenzene	180		25.766					0	
108 Hexachlorobutadiene	225		25.948					ND	
109 Naphthalene	128		26.252					0	
110 1,2,3-Trichlorobenzene	180		26.727					0	
111 Total Alkanes	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

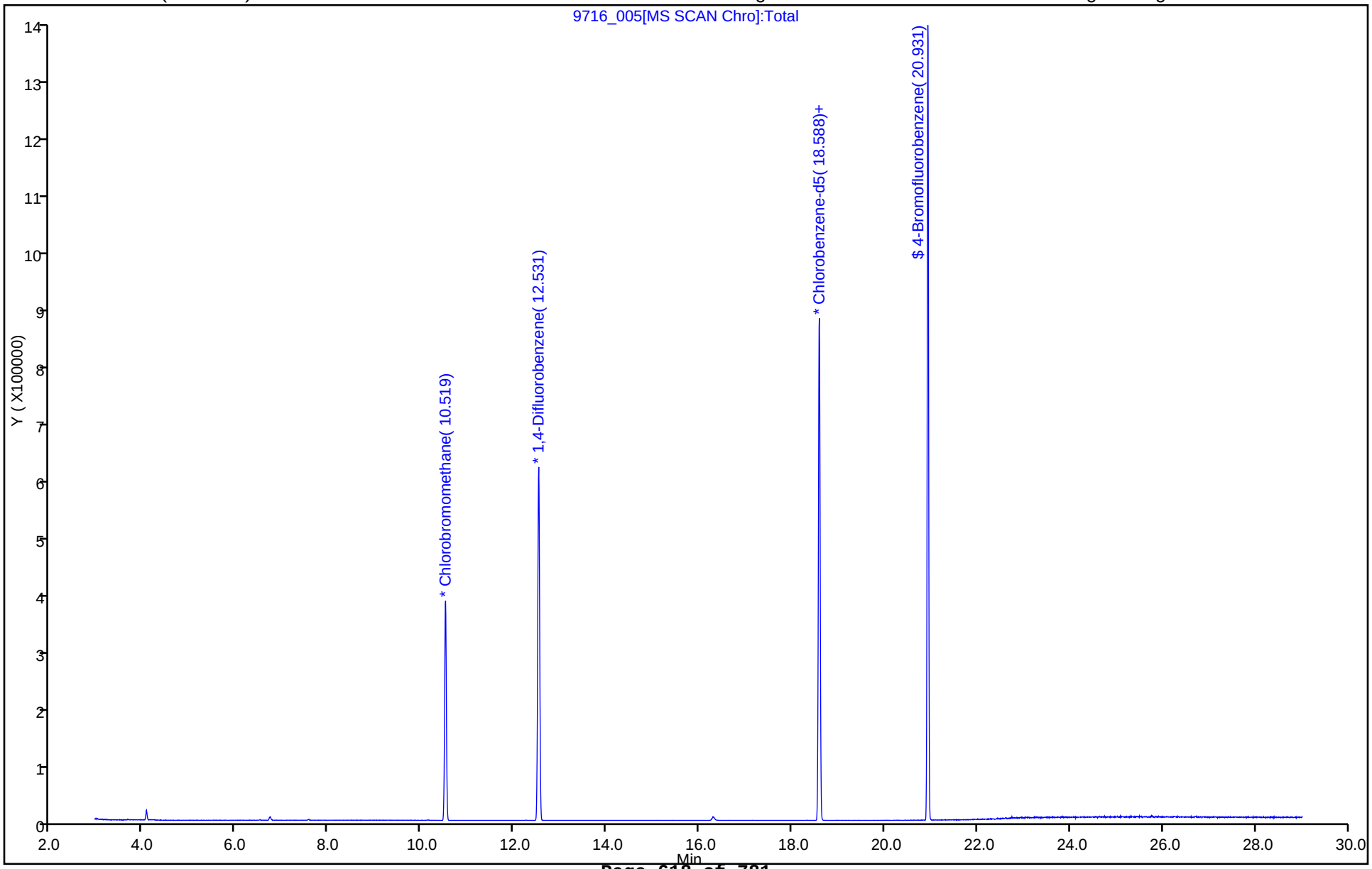
Report Date: 29-Sep-2014 13:55:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_005.D

Injection Date:	29-Sep-2014 11:33:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Lab File ID: 9716_005.D Lab Sample ID: MB 200-77911/5

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHC.i Date Analyzed: 09/29/2014 11:33

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-77911/4	9716_004.D	09/29/2014 10:39
5109	200-24453-8	9716_023.D	09/30/2014 04:31

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-77911/5

Matrix: Air Lab File ID: 9716_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/29/2014 11:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24453-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-77911/5

Matrix: Air | Lab File ID: 9716_005.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 09/29/2014 11:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 77911 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-77911/5

Matrix: Air Lab File ID: 9716_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/29/2014 11:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_005.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 29-Sep-2014 11:33:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0009716-005
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 29-Sep-2014 13:55:24 Calib Date: 15-Aug-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140815-9029.b\9029_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: lyonsb Date: 29-Sep-2014 13:55:24

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1	Propene	41		2.994					ND	
2	Dichlorodifluoromethane	85		3.069					ND	
6	Chlorodifluoromethane	51		3.122					0	
3	Difluoroethane TIC	51		3.150					ND	
4	Chlorotrifluoroethene TIC	116		3.162					ND	
5	Freon 115 TIC	85		3.180					ND	
7	1,2-Dichloro-1,1,2,2-tetra	85		3.341					ND	
8	Chloromethane	50		3.479					0	
9	Butane	43		3.688					ND	
10	Vinyl chloride	62		3.730					ND	
11	Butadiene	54		3.810					ND	
12	Bromomethane	94		4.520					ND	
13	Chloroethane	64		4.771					ND	
14	2-Methylbutane	43		4.835					ND	
15	Vinyl bromide	106		5.171					ND	
16	Trichlorofluoromethane	101		5.273					ND	
17	Pentane	43		5.422					ND	
19	Ethanol	45		5.929					ND	
21	Ethyl ether	59		5.982					ND	
20	1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
22	Acrolein	56		6.383					ND	
23	1,1,2-Trichloro-1,2,2-trif	101		6.399					ND	
24	1,1-Dichloroethene	96		6.431					ND	
25	Acetone	43		6.714					0	
26	Carbon disulfide	76		6.815					ND	
27	Isopropyl alcohol	45		7.045					ND	
T 28	Methyl Acetate TIC	43		7.200					0	
29	3-Chloro-1-propene	41		7.253					ND	
30	Acetonitrile	41		7.418					ND	
31	Methylene Chloride	49	7.562	7.562	0.000	41	1190		0.0956	
32	2-Methyl-2-propanol	59		7.834					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Methyl tert-butyl ether	73		7.984					ND	
34 trans-1,2-Dichloroethene	61		8.005					ND	
35 Acrylonitrile	53		8.187					ND	
36 Hexane	57		8.400					ND	
37 1,1-Dichloroethane	63		8.907					ND	
38 Vinyl acetate	43		9.003					ND	
39 cis-1,2-Dichloroethene	96		10.049					ND	
40 2-Butanone (MEK)	72		10.124					ND	
42 Ethyl acetate	88		10.161					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
* 43 Chlorobromomethane	128	10.514	10.519	-0.005	74	133712	10.0	10.0	
44 Tetrahydrofuran	42		10.540					ND	
45 Chloroform	83		10.663					ND	
46 Cyclohexane	84		10.887					ND	
47 1,1,1-Trichloroethane	97		10.924					ND	
48 Carbon tetrachloride	117		11.175					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
51 Isooctane	57		11.624					ND	
50 Benzene	78		11.656					ND	
52 1,2-Dichloroethane	62		11.858					ND	
53 n-Heptane	43		12.029					ND	
* 54 1,4-Difluorobenzene	114	12.531	12.531	0.000	96	640981	10.0	10.0	
55 n-Butanol	56		12.974					ND	
56 Trichloroethene	95		12.995					ND	
A 57 GRO	1	13.142	(4.825-21.459)		0	115961		0	
58 1,2-Dichloropropane	63		13.577					ND	
59 Methyl methacrylate	69		13.764					ND	
60 1,4-Dioxane	88		13.828					ND	
61 Dibromomethane	174		13.838					ND	
62 Dichlorobromomethane	83		14.148					ND	
A 63 TVOC as Toluene	1	14.860	(2.984-26.737)		0	361912		11.9	
64 cis-1,3-Dichloropropene	75		15.093					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.402					ND	
A 67 Toluene Range	1		(15.640-15.720)					ND	
66 Toluene	92		15.680					ND	
68 n-Octane	43		15.738					ND	
A 69 C8 Range	1		(15.737-16.214)					ND	
70 trans-1,3-Dichloropropene	75		16.299					ND	
71 1,1,2-Trichloroethane	83		16.672					ND	
72 Tetrachloroethene	166		16.758					ND	
73 2-Hexanone	43		17.131					ND	
74 Chlorodibromomethane	129		17.430					ND	
75 Ethylene Dibromide	107		17.697					ND	
* 76 Chlorobenzene-d5	117	18.588	18.588	0.000	94	606649	10.0	10.0	
80 1,2-Dibromo-3-Chloropropan	75	18.583	18.652	-0.069	33	17530		NC	
77 Chlorobenzene	112		18.652					ND	
78 Ethylbenzene	91		18.802					ND	
79 n-Nonane	57		18.924					ND	
81 m-Xylene & p-Xylene	106		19.053					ND	
83 o-Xylene	106		19.890					ND	
84 Styrene	104		19.944					ND	
S 82 Xylenes, Total	106		20.100					0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 Bromoform	173		20.365					ND	
86 Isopropylbenzene	105		20.563					ND	
$ 87 4-Bromofluorobenzene	95	20.931	20.931	0.000	83	525419	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		21.225					ND	
90 N-Propylbenzene	91		21.283					0	
89 1,2,3-Trichloropropane	75		21.315					ND	
93 n-Decane	57		21.449					ND	
91 4-Ethyltoluene	105		21.470					ND	
92 2-Chlorotoluene	91		21.476					0	
94 1,3,5-Trimethylbenzene	105		21.577					ND	
95 Alpha Methyl Styrene	118		21.940					ND	
96 tert-Butylbenzene	119		22.057					ND	
97 1,2,4-Trimethylbenzene	105		22.153					ND	
98 sec-Butylbenzene	105		22.383					ND	
99 4-Isopropyltoluene	119		22.580					ND	
100 1,3-Dichlorobenzene	146		22.612					ND	
101 1,4-Dichlorobenzene	146		22.746					ND	
102 Benzyl chloride	91		22.943					0	
103 n-Butylbenzene	91		23.151					0	
104 Undecane	57		23.173					ND	
105 1,2-Dichlorobenzene	146		23.274					0	
106 Dodecane	57		24.747					ND	
107 1,2,4-Trichlorobenzene	180		25.766					0	
108 Hexachlorobutadiene	225		25.948					ND	
109 Naphthalene	128		26.252					0	
110 1,2,3-Trichlorobenzene	180		26.727					0	
111 Total Alkanes	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

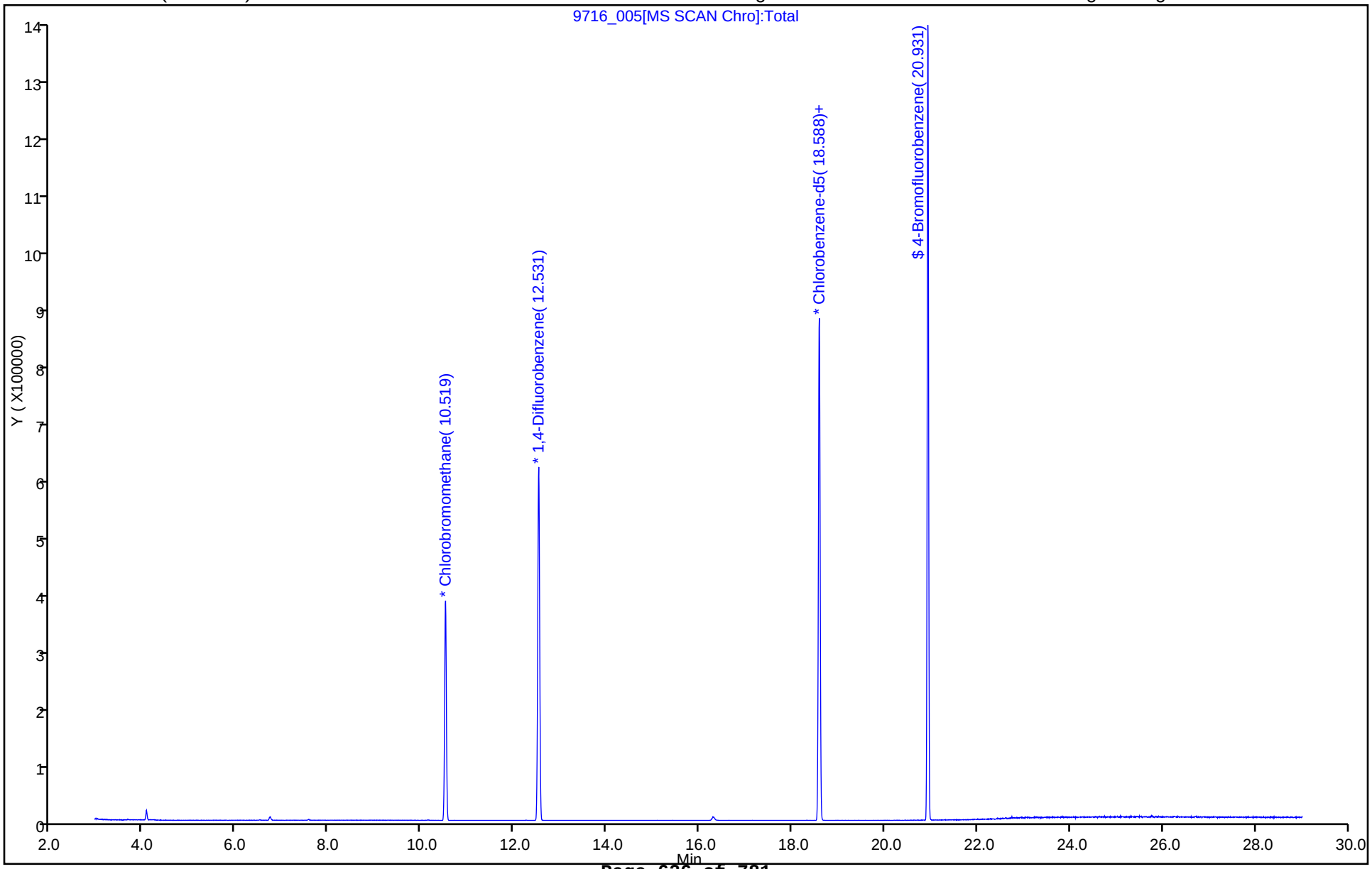
Report Date: 29-Sep-2014 13:55:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_005.D

Injection Date:	29-Sep-2014 11:33:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Lab File ID: 9029_001.D BFB Injection Date: 08/15/2014

Instrument ID: CHC.i BFB Injection Time: 08:47

Analysis Batch No.: 76115

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.9	
75	30.0 - 66.0% of mass 95	52.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.1	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	102.1	
175	4.0 - 9.0 % of mass 174	7.6	(7.4)1
176	93.0 - 101.0% of mass 174	98.9	(96.9)1
177	5.0 - 9.0% of mass 176	6.8	(6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-76115/3	9029_003.D	08/15/2014	10:29
	IC 200-76115/4	9029_004.D	08/15/2014	11:22
	IC 200-76115/5	9029_005.D	08/15/2014	12:16
	IC 200-76115/6	9029_006.D	08/15/2014	13:09
	ICIS 200-76115/7	9029_007.D	08/15/2014	14:01
	IC 200-76115/8	9029_008.D	08/15/2014	14:54
	IC 200-76115/9	9029_009.D	08/15/2014	15:47
	IC 200-76115/10	9029_010.D	08/15/2014	16:40
	ICV 200-76115/13	9029_013.D	08/15/2014	19:19

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Lab File ID: 9716_001.D BFB Injection Date: 09/29/2014

Instrument ID: CHC.i BFB Injection Time: 08:05

Analysis Batch No.: 77911

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	21.1	
75	30.0 - 66.0% of mass 95	57.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.2	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	99.6	
175	4.0 - 9.0 % of mass 174	7.6	(7.7)1
176	93.0 - 101.0% of mass 174	98.3	(98.7)1
177	5.0 - 9.0% of mass 176	6.7	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-77911/3	9716_003.D	09/29/2014	09:47
	LCS 200-77911/4	9716_004.D	09/29/2014	10:39
	MB 200-77911/5	9716_005.D	09/29/2014	11:33
5029	200-24405-7	9716_006.D	09/29/2014	12:32

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Lab File ID: 9029_001.D BFB Injection Date: 08/15/2014

Instrument ID: CHC.i BFB Injection Time: 08:47

Analysis Batch No.: 76115

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.9	
75	30.0 - 66.0% of mass 95	52.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.1	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	102.1	
175	4.0 - 9.0 % of mass 174	7.6	(7.4)1
176	93.0 - 101.0% of mass 174	98.9	(96.9)1
177	5.0 - 9.0% of mass 176	6.8	(6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-76115/3	9029_003.D	08/15/2014	10:29
	IC 200-76115/4	9029_004.D	08/15/2014	11:22
	IC 200-76115/5	9029_005.D	08/15/2014	12:16
	IC 200-76115/6	9029_006.D	08/15/2014	13:09
	ICIS 200-76115/7	9029_007.D	08/15/2014	14:01
	IC 200-76115/8	9029_008.D	08/15/2014	14:54
	IC 200-76115/9	9029_009.D	08/15/2014	15:47
	IC 200-76115/10	9029_010.D	08/15/2014	16:40
	ICV 200-76115/13	9029_013.D	08/15/2014	19:19

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Lab File ID: 9716_001.D BFB Injection Date: 09/29/2014

Instrument ID: CHC.i BFB Injection Time: 08:05

Analysis Batch No.: 77911

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	21.1	
75	30.0 - 66.0% of mass 95	57.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.2	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	99.6	
175	4.0 - 9.0 % of mass 174	7.6	(7.7)1
176	93.0 - 101.0% of mass 174	98.3	(98.7)1
177	5.0 - 9.0% of mass 176	6.7	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-77911/3	9716_003.D	09/29/2014	09:47
	LCS 200-77911/4	9716_004.D	09/29/2014	10:39
	MB 200-77911/5	9716_005.D	09/29/2014	11:33
3324	200-24409-6	9716_007.D	09/29/2014	13:26

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Lab File ID: 9029_001.D BFB Injection Date: 08/15/2014

Instrument ID: CHC.i BFB Injection Time: 08:47

Analysis Batch No.: 76115

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.9	
75	30.0 - 66.0% of mass 95	52.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.1	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	102.1	
175	4.0 - 9.0 % of mass 174	7.6	(7.4)1
176	93.0 - 101.0% of mass 174	98.9	(96.9)1
177	5.0 - 9.0% of mass 176	6.8	(6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-76115/3	9029_003.D	08/15/2014	10:29
	IC 200-76115/4	9029_004.D	08/15/2014	11:22
	IC 200-76115/5	9029_005.D	08/15/2014	12:16
	IC 200-76115/6	9029_006.D	08/15/2014	13:09
	ICIS 200-76115/7	9029_007.D	08/15/2014	14:01
	IC 200-76115/8	9029_008.D	08/15/2014	14:54
	IC 200-76115/9	9029_009.D	08/15/2014	15:47
	IC 200-76115/10	9029_010.D	08/15/2014	16:40
	ICV 200-76115/13	9029_013.D	08/15/2014	19:19

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Lab File ID: 9716_001.D BFB Injection Date: 09/29/2014

Instrument ID: CHC.i BFB Injection Time: 08:05

Analysis Batch No.: 77911

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	21.1	
75	30.0 - 66.0% of mass 95	57.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.2	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	99.6	
175	4.0 - 9.0 % of mass 174	7.6	(7.7)1
176	93.0 - 101.0% of mass 174	98.3	(98.7)1
177	5.0 - 9.0% of mass 176	6.7	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-77911/3	9716_003.D	09/29/2014	09:47
	LCS 200-77911/4	9716_004.D	09/29/2014	10:39
	MB 200-77911/5	9716_005.D	09/29/2014	11:33
2902	200-24410-7	9716_008.D	09/29/2014	14:25

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Lab File ID: 9029_001.D BFB Injection Date: 08/15/2014

Instrument ID: CHC.i BFB Injection Time: 08:47

Analysis Batch No.: 76115

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.9	
75	30.0 - 66.0% of mass 95	52.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.1	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	102.1	
175	4.0 - 9.0 % of mass 174	7.6	(7.4)1
176	93.0 - 101.0% of mass 174	98.9	(96.9)1
177	5.0 - 9.0% of mass 176	6.8	(6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-76115/3	9029_003.D	08/15/2014	10:29
	IC 200-76115/4	9029_004.D	08/15/2014	11:22
	IC 200-76115/5	9029_005.D	08/15/2014	12:16
	IC 200-76115/6	9029_006.D	08/15/2014	13:09
	ICIS 200-76115/7	9029_007.D	08/15/2014	14:01
	IC 200-76115/8	9029_008.D	08/15/2014	14:54
	IC 200-76115/9	9029_009.D	08/15/2014	15:47
	IC 200-76115/10	9029_010.D	08/15/2014	16:40
	ICV 200-76115/13	9029_013.D	08/15/2014	19:19

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Lab File ID: 9716_001.D BFB Injection Date: 09/29/2014

Instrument ID: CHC.i BFB Injection Time: 08:05

Analysis Batch No.: 77911

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	21.1	
75	30.0 - 66.0% of mass 95	57.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.2	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	99.6	
175	4.0 - 9.0 % of mass 174	7.6	(7.7)1
176	93.0 - 101.0% of mass 174	98.3	(98.7)1
177	5.0 - 9.0% of mass 176	6.7	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-77911/3	9716_003.D	09/29/2014	09:47
	LCS 200-77911/4	9716_004.D	09/29/2014	10:39
	MB 200-77911/5	9716_005.D	09/29/2014	11:33
5034	200-24452-12	9716_022.D	09/30/2014	03:33

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Lab File ID: 9029_001.D BFB Injection Date: 08/15/2014

Instrument ID: CHC.i BFB Injection Time: 08:47

Analysis Batch No.: 76115

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.9	
75	30.0 - 66.0% of mass 95	52.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.1	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	102.1	
175	4.0 - 9.0 % of mass 174	7.6	(7.4)1
176	93.0 - 101.0% of mass 174	98.9	(96.9)1
177	5.0 - 9.0% of mass 176	6.8	(6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-76115/3	9029_003.D	08/15/2014	10:29
	IC 200-76115/4	9029_004.D	08/15/2014	11:22
	IC 200-76115/5	9029_005.D	08/15/2014	12:16
	IC 200-76115/6	9029_006.D	08/15/2014	13:09
	ICIS 200-76115/7	9029_007.D	08/15/2014	14:01
	IC 200-76115/8	9029_008.D	08/15/2014	14:54
	IC 200-76115/9	9029_009.D	08/15/2014	15:47
	IC 200-76115/10	9029_010.D	08/15/2014	16:40
	ICV 200-76115/13	9029_013.D	08/15/2014	19:19

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Lab File ID: 9716_001.D BFB Injection Date: 09/29/2014

Instrument ID: CHC.i BFB Injection Time: 08:05

Analysis Batch No.: 77911

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	21.1	
75	30.0 - 66.0% of mass 95	57.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.2	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	99.6	
175	4.0 - 9.0 % of mass 174	7.6	(7.7)1
176	93.0 - 101.0% of mass 174	98.3	(98.7)1
177	5.0 - 9.0% of mass 176	6.7	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-77911/3	9716_003.D	09/29/2014	09:47
	LCS 200-77911/4	9716_004.D	09/29/2014	10:39
	MB 200-77911/5	9716_005.D	09/29/2014	11:33
5109	200-24453-8	9716_023.D	09/30/2014	04:31

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Sample No.: ICIS 200-76115/7 Date Analyzed: 08/15/2014 14:01

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 9029_007.D Heated Purge: (Y/N) N

Calibration ID: 27711

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		130432	10.55	591926	12.56	600612	18.62
UPPER LIMIT		182605	10.88	828696	12.89	840857	18.95
LOWER LIMIT		78259	10.22	355156	12.23	360367	18.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-76115/13		160579	10.55	740106	12.56	719663	18.62

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Sample No.: CCVIS 200-77911/3 Date Analyzed: 09/29/2014 09:47

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 9716_003.D Heated Purge: (Y/N) N

Calibration ID: 27711

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		110456	10.52	524678	12.53	514227	18.59
UPPER LIMIT		154638	10.85	734549	12.86	719918	18.92
LOWER LIMIT		66274	10.19	314807	12.20	308536	18.26
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-77911/4		117489	10.52	554192	12.54	542761	18.59
MB 200-77911/5		133712	10.51	640981	12.53	606649	18.59
200-24405-7	5029	136359	10.52	647215	12.53	603056	18.59

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Sample No.: ICIS 200-76115/7 Date Analyzed: 08/15/2014 14:01

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 9029_007.D Heated Purge: (Y/N) N

Calibration ID: 27711

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		130432	10.55	591926	12.56	600612	18.62
UPPER LIMIT		182605	10.88	828696	12.89	840857	18.95
LOWER LIMIT		78259	10.22	355156	12.23	360367	18.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-76115/13		160579	10.55	740106	12.56	719663	18.62

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Sample No.: CCVIS 200-77911/3 Date Analyzed: 09/29/2014 09:47

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 9716_003.D Heated Purge: (Y/N) N

Calibration ID: 27711

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		110456	10.52	524678	12.53	514227	18.59
UPPER LIMIT		154638	10.85	734549	12.86	719918	18.92
LOWER LIMIT		66274	10.19	314807	12.20	308536	18.26
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-77911/4		117489	10.52	554192	12.54	542761	18.59
MB 200-77911/5		133712	10.51	640981	12.53	606649	18.59
200-24409-6	3324	130220	10.52	618337	12.53	578302	18.59

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Sample No.: ICIS 200-76115/7 Date Analyzed: 08/15/2014 14:01

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 9029_007.D Heated Purge: (Y/N) N

Calibration ID: 27711

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		130432	10.55	591926	12.56	600612	18.62
UPPER LIMIT		182605	10.88	828696	12.89	840857	18.95
LOWER LIMIT		78259	10.22	355156	12.23	360367	18.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-76115/13		160579	10.55	740106	12.56	719663	18.62

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Sample No.: CCVIS 200-77911/3 Date Analyzed: 09/29/2014 09:47

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 9716_003.D Heated Purge: (Y/N) N

Calibration ID: 27711

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		110456	10.52	524678	12.53	514227	18.59
UPPER LIMIT		154638	10.85	734549	12.86	719918	18.92
LOWER LIMIT		66274	10.19	314807	12.20	308536	18.26
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-77911/4		117489	10.52	554192	12.54	542761	18.59
MB 200-77911/5		133712	10.51	640981	12.53	606649	18.59
200-24410-7	2902	117403	10.51	553149	12.53	504570	18.59

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Sample No.: ICIS 200-76115/7 Date Analyzed: 08/15/2014 14:01

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 9029_007.D Heated Purge: (Y/N) N

Calibration ID: 27711

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		130432	10.55	591926	12.56	600612	18.62
UPPER LIMIT		182605	10.88	828696	12.89	840857	18.95
LOWER LIMIT		78259	10.22	355156	12.23	360367	18.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-76115/13		160579	10.55	740106	12.56	719663	18.62

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Sample No.: CCVIS 200-77911/3 Date Analyzed: 09/29/2014 09:47

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 9716_003.D Heated Purge: (Y/N) N

Calibration ID: 27711

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		110456	10.52	524678	12.53	514227	18.59
UPPER LIMIT		154638	10.85	734549	12.86	719918	18.92
LOWER LIMIT		66274	10.19	314807	12.20	308536	18.26
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-77911/4		117489	10.52	554192	12.54	542761	18.59
MB 200-77911/5		133712	10.51	640981	12.53	606649	18.59
200-24452-12	5034	86121	10.52	384805	12.53	335636	18.59

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Sample No.: ICIS 200-76115/7 Date Analyzed: 08/15/2014 14:01

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 9029_007.D Heated Purge: (Y/N) N

Calibration ID: 27711

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		130432	10.55	591926	12.56	600612	18.62
UPPER LIMIT		182605	10.88	828696	12.89	840857	18.95
LOWER LIMIT		78259	10.22	355156	12.23	360367	18.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-76115/13		160579	10.55	740106	12.56	719663	18.62

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Sample No.: CCVIS 200-77911/3 Date Analyzed: 09/29/2014 09:47

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 9716_003.D Heated Purge: (Y/N) N

Calibration ID: 27711

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		110456	10.52	524678	12.53	514227	18.59
UPPER LIMIT		154638	10.85	734549	12.86	719918	18.92
LOWER LIMIT		66274	10.19	314807	12.20	308536	18.26
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-77911/4		117489	10.52	554192	12.54	542761	18.59
MB 200-77911/5		133712	10.51	640981	12.53	606649	18.59
200-24453-8	5109	80143	10.52	359657	12.53	314281	18.59

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Client Sample ID: 5029 Lab Sample ID: 200-24405-7

Matrix: Air Lab File ID: 9716_006.D

Analysis Method: TO-15 Date Collected: 09/25/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/29/2014 12:32

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U *	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U *	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U *	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Client Sample ID: 5029 Lab Sample ID: 200-24405-7

Matrix: Air Lab File ID: 9716_006.D

Analysis Method: TO-15 Date Collected: 09/25/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/29/2014 12:32

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Client Sample ID: 5029 Lab Sample ID: 200-24405-7

Matrix: Air Lab File ID: 9716_006.D

Analysis Method: TO-15 Date Collected: 09/25/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/29/2014 12:32

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_006.D
Lims ID: 200-24405-A-7 Lab Sample ID: 200-24405-7
Client ID: 5029
Sample Type: Client
Inject. Date: 29-Sep-2014 12:32:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0009716-006
Misc. Info.: 24405-7
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 29-Sep-2014 13:48:44 Calib Date: 15-Aug-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140815-9029.b\9029_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: lyonsb Date: 29-Sep-2014 13:52:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.994				0	
2 Dichlorodifluoromethane	85		3.069				ND	
6 Chlorodifluoromethane	51		3.122				0	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.341				ND	
8 Chloromethane	50		3.479				0	
9 Butane	43		3.688				ND	
10 Vinyl chloride	62		3.730				ND	
11 Butadiene	54		3.810				ND	
12 Bromomethane	94		4.520				ND	
13 Chloroethane	64		4.771				ND	
15 Vinyl bromide	106		5.171				ND	
16 Trichlorofluoromethane	101		5.273				ND	
19 Ethanol	45		5.929				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.399				ND	
24 1,1-Dichloroethene	96		6.431				ND	
25 Acetone	43		6.714				0	
26 Carbon disulfide	76		6.815				ND	
27 Isopropyl alcohol	45		7.045				ND	
29 3-Chloro-1-propene	41		7.253				ND	
31 Methylene Chloride	49		7.562				0	
32 2-Methyl-2-propanol	59		7.834				ND	
33 Methyl tert-butyl ether	73		7.984				ND	
34 trans-1,2-Dichloroethene	61		8.005				ND	
36 Hexane	57		8.400				ND	
37 1,1-Dichloroethane	63		8.907				ND	
38 Vinyl acetate	43		9.003				ND	
39 cis-1,2-Dichloroethene	96		10.049				ND	
40 2-Butanone (MEK)	72		10.124				ND	
42 Ethyl acetate	88		10.161				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
* 43 Chlorobromomethane	128	10.519	10.519	0.000	75	136359	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Tetrahydrofuran	42		10.540				ND	
45 Chloroform	83		10.663				ND	
46 Cyclohexane	84		10.887				ND	
47 1,1,1-Trichloroethane	97		10.924				ND	
48 Carbon tetrachloride	117		11.175				ND	
51 Isooctane	57		11.624				ND	
50 Benzene	78		11.656				ND	
52 1,2-Dichloroethane	62		11.858				ND	
53 n-Heptane	43		12.029				ND	
* 54 1,4-Difluorobenzene	114	12.531	12.531	0.000	96	647215	10.0	
56 Trichloroethene	95		12.995				ND	
58 1,2-Dichloropropane	63		13.577				ND	
59 Methyl methacrylate	69		13.764				ND	
60 1,4-Dioxane	88		13.828				ND	
61 Dibromomethane	174		13.838				ND	
62 Dichlorobromomethane	83		14.148				ND	
64 cis-1,3-Dichloropropene	75		15.093				ND	
65 4-Methyl-2-pentanone (MIBK	43		15.402				ND	
66 Toluene	92		15.680				ND	
70 trans-1,3-Dichloropropene	75		16.299				ND	
71 1,1,2-Trichloroethane	83		16.672				ND	
72 Tetrachloroethene	166		16.758				ND	
73 2-Hexanone	43		17.131				ND	
74 Chlorodibromomethane	129		17.430				ND	
75 Ethylene Dibromide	107		17.697				ND	
* 76 Chlorobenzene-d5	117	18.588	18.588	0.000	94	603056	10.0	
77 Chlorobenzene	112		18.652				ND	
78 Ethylbenzene	91		18.802				ND	
81 m-Xylene & p-Xylene	106		19.053				ND	
83 o-Xylene	106		19.890				ND	
84 Styrene	104		19.944				ND	
S 82 Xylenes, Total	106		20.100				0	
85 Bromoform	173		20.365				ND	
86 Isopropylbenzene	105		20.563				ND	
$ 87 4-Bromofluorobenzene	95	20.931	20.931	0.000	89	518643	NC	
88 1,1,2,2-Tetrachloroethane	83		21.225				ND	
90 N-Propylbenzene	91		21.283				ND	
91 4-Ethyltoluene	105		21.470				ND	
92 2-Chlorotoluene	91		21.476				ND	
94 1,3,5-Trimethylbenzene	105		21.577				ND	
96 tert-Butylbenzene	119		22.057				ND	
97 1,2,4-Trimethylbenzene	105		22.153				ND	
98 sec-Butylbenzene	105		22.383				ND	
99 4-Isopropyltoluene	119		22.580				ND	
100 1,3-Dichlorobenzene	146		22.612				ND	
101 1,4-Dichlorobenzene	146		22.746				ND	
102 Benzyl chloride	91		22.943				0	
103 n-Butylbenzene	91		23.151				0	
105 1,2-Dichlorobenzene	146		23.274				ND	
107 1,2,4-Trichlorobenzene	180		25.766				0	
108 Hexachlorobutadiene	225		25.948				ND	
109 Naphthalene	128		26.252				0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

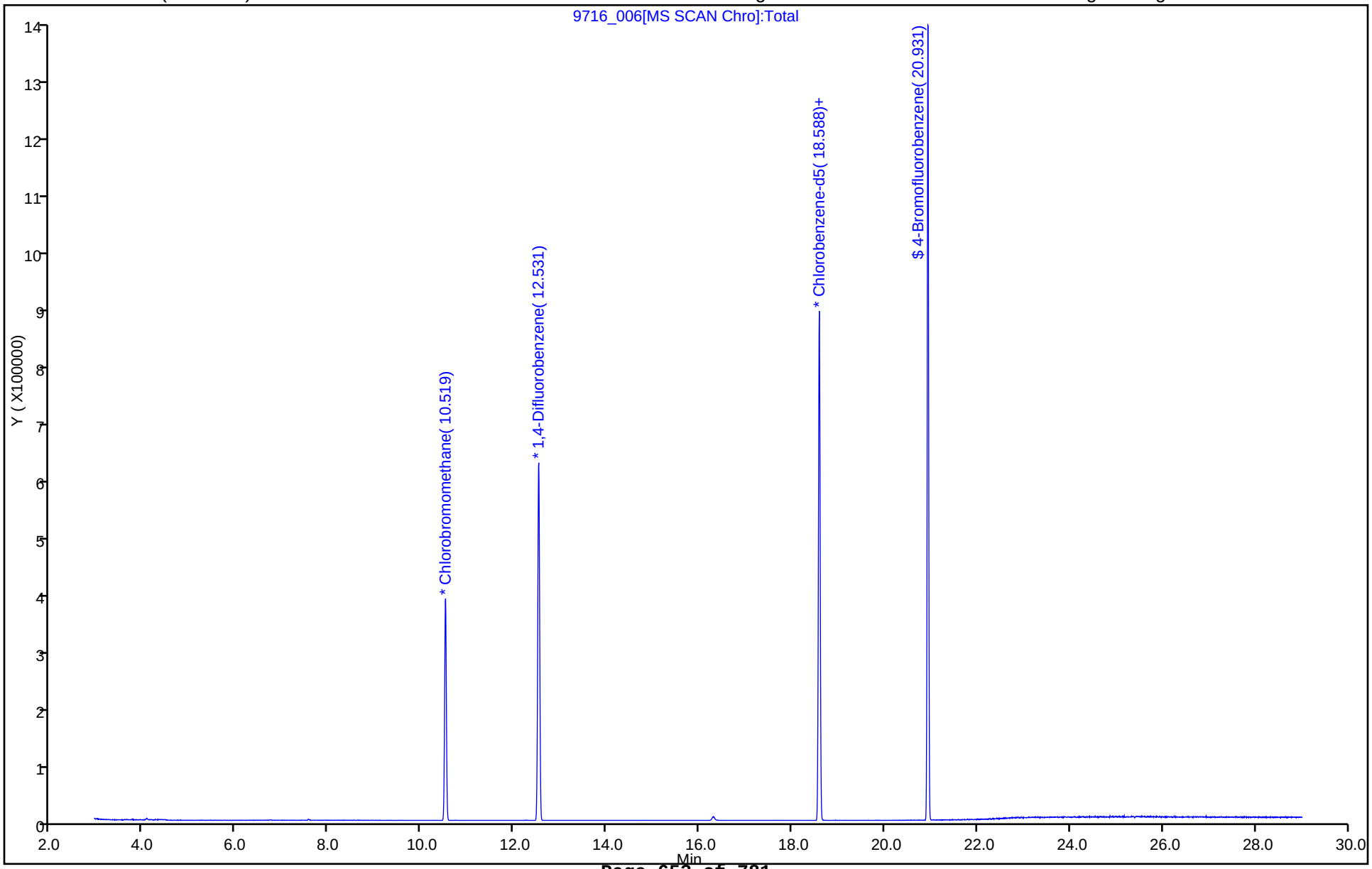
ATTO15CISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

Report Date: 29-Sep-2014 13:52:52 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_006.D				
Injection Date:	29-Sep-2014 12:32:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-24405-A-7	Lab Sample ID:	200-24405-7	Worklist Smp#:	6
Client ID:	5029				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Client Sample ID: 3324 Lab Sample ID: 200-24409-6

Matrix: Air Lab File ID: 9716_007.D

Analysis Method: TO-15 Date Collected: 09/25/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/29/2014 13:26

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U *	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U *	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U *	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Client Sample ID: 3324 Lab Sample ID: 200-24409-6

Matrix: Air Lab File ID: 9716_007.D

Analysis Method: TO-15 Date Collected: 09/25/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/29/2014 13:26

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Client Sample ID: 3324 Lab Sample ID: 200-24409-6

Matrix: Air Lab File ID: 9716_007.D

Analysis Method: TO-15 Date Collected: 09/25/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/29/2014 13:26

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_007.D
Lims ID: 200-24409-A-6 Lab Sample ID: 200-24409-6
Client ID: 3324
Sample Type: Client
Inject. Date: 29-Sep-2014 13:26:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0009716-007
Misc. Info.: 24409-6
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 29-Sep-2014 14:15:49 Calib Date: 15-Aug-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140815-9029.b\9029_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK002

First Level Reviewer: desjardinsb Date: 29-Sep-2014 14:15:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.994				ND	
2 Dichlorodifluoromethane	85		3.069				ND	
6 Chlorodifluoromethane	51		3.122				0	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.341				ND	
8 Chloromethane	50		3.479				0	
9 Butane	43		3.688				ND	
10 Vinyl chloride	62		3.730				ND	
11 Butadiene	54		3.810				ND	
12 Bromomethane	94		4.520				ND	
13 Chloroethane	64		4.771				ND	
15 Vinyl bromide	106		5.171				ND	
16 Trichlorofluoromethane	101		5.273				ND	
19 Ethanol	45		5.929				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.399				ND	
24 1,1-Dichloroethene	96		6.431				ND	
25 Acetone	43		6.714				0	
26 Carbon disulfide	76		6.815				ND	
27 Isopropyl alcohol	45		7.045				ND	
29 3-Chloro-1-propene	41		7.253				ND	
31 Methylene Chloride	49	7.562	7.562	0.000	91	1104	0.0911	
32 2-Methyl-2-propanol	59		7.834				ND	
33 Methyl tert-butyl ether	73		7.984				ND	
34 trans-1,2-Dichloroethene	61		8.005				ND	
36 Hexane	57		8.400				ND	
37 1,1-Dichloroethane	63		8.907				ND	
38 Vinyl acetate	43		9.003				ND	
39 cis-1,2-Dichloroethene	96		10.049				ND	
40 2-Butanone (MEK)	72		10.124				ND	
42 Ethyl acetate	88		10.161				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
* 43 Chlorobromomethane	128	10.519	10.519	0.000	76	130220	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Tetrahydrofuran	42		10.540				ND	
45 Chloroform	83		10.663				ND	
46 Cyclohexane	84		10.887				ND	
47 1,1,1-Trichloroethane	97		10.924				ND	
48 Carbon tetrachloride	117		11.175				ND	
51 Isooctane	57		11.624				ND	
50 Benzene	78		11.656				ND	
52 1,2-Dichloroethane	62		11.858				ND	
53 n-Heptane	43		12.029				ND	
* 54 1,4-Difluorobenzene	114	12.531	12.531	0.000	96	618337	10.0	
56 Trichloroethene	95		12.995				ND	
58 1,2-Dichloropropane	63		13.577				ND	
59 Methyl methacrylate	69		13.764				ND	
60 1,4-Dioxane	88		13.828				ND	
61 Dibromomethane	174		13.838				ND	
62 Dichlorobromomethane	83		14.148				ND	
64 cis-1,3-Dichloropropene	75		15.093				ND	
65 4-Methyl-2-pentanone (MIBK	43		15.402				ND	
66 Toluene	92		15.680				ND	
70 trans-1,3-Dichloropropene	75		16.299				ND	
71 1,1,2-Trichloroethane	83		16.672				ND	
72 Tetrachloroethene	166		16.758				ND	
73 2-Hexanone	43		17.131				ND	
74 Chlorodibromomethane	129		17.430				ND	
75 Ethylene Dibromide	107		17.697				ND	
* 76 Chlorobenzene-d5	117	18.588	18.588	0.000	94	578302	10.0	
77 Chlorobenzene	112		18.652				ND	
78 Ethylbenzene	91		18.802				ND	
81 m-Xylene & p-Xylene	106		19.053				ND	
83 o-Xylene	106		19.890				ND	
84 Styrene	104		19.944				ND	
S 82 Xylenes, Total	106		20.100				0	
85 Bromoform	173		20.365				ND	
86 Isopropylbenzene	105		20.563				ND	
$ 87 4-Bromofluorobenzene	95	20.936	20.931	0.005	82	508340	NC	
88 1,1,2,2-Tetrachloroethane	83		21.225				ND	
90 N-Propylbenzene	91		21.283				ND	
91 4-Ethyltoluene	105		21.470				ND	
92 2-Chlorotoluene	91		21.476				ND	
94 1,3,5-Trimethylbenzene	105		21.577				ND	
96 tert-Butylbenzene	119		22.057				ND	
97 1,2,4-Trimethylbenzene	105		22.153				ND	
98 sec-Butylbenzene	105		22.383				ND	
99 4-Isopropyltoluene	119		22.580				ND	
100 1,3-Dichlorobenzene	146		22.612				ND	
101 1,4-Dichlorobenzene	146		22.746				ND	
102 Benzyl chloride	91		22.943				0	
103 n-Butylbenzene	91		23.151				0	
105 1,2-Dichlorobenzene	146		23.274				ND	
107 1,2,4-Trichlorobenzene	180		25.766				ND	
108 Hexachlorobutadiene	225		25.948				ND	
109 Naphthalene	128		26.252				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

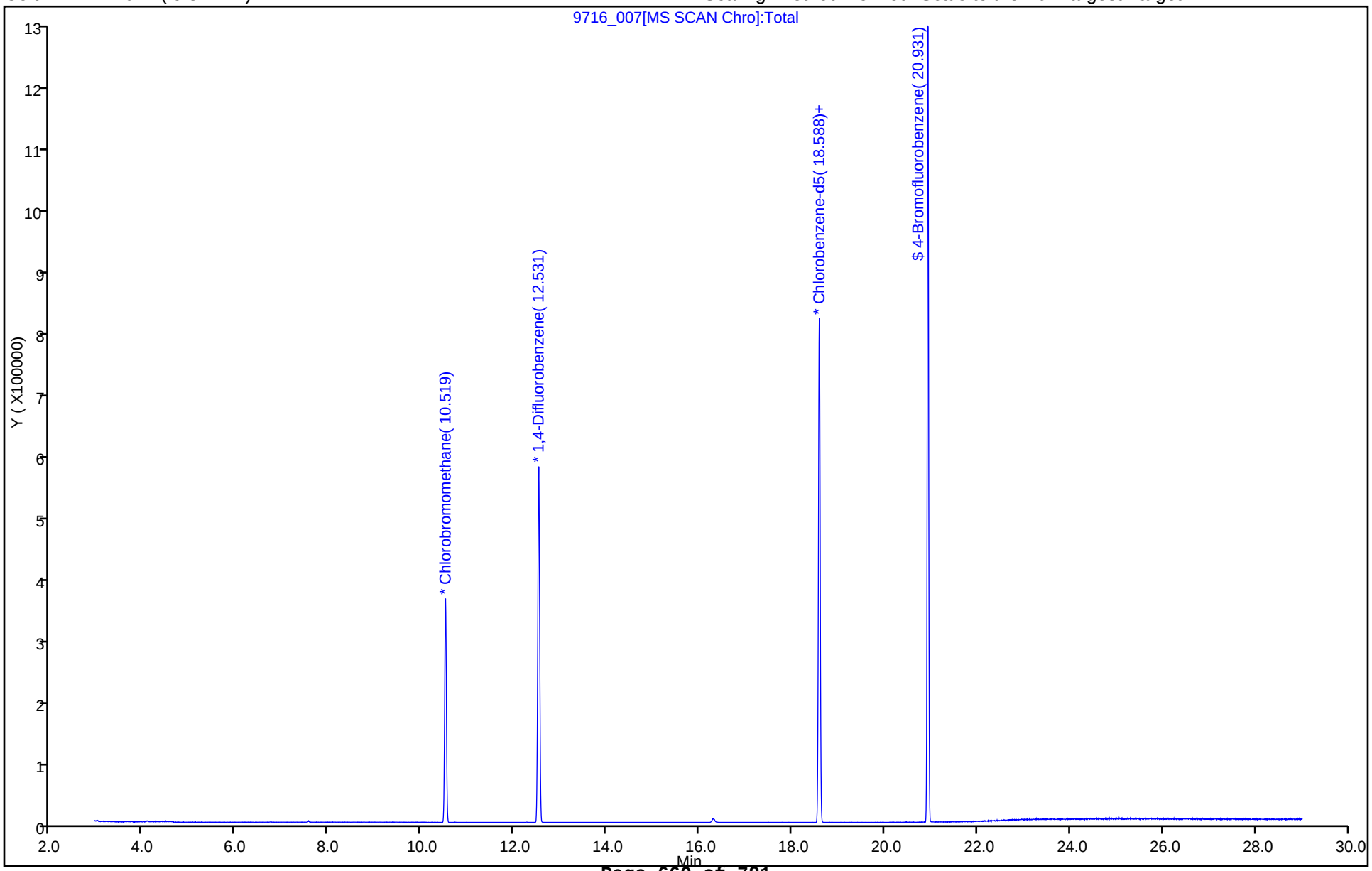
ATTO15CISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

Report Date: 29-Sep-2014 14:15:50 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_007.D				
Injection Date:	29-Sep-2014 13:26:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-24409-A-6	Lab Sample ID:	200-24409-6	Worklist Smp#:	7
Client ID:	3324				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Client Sample ID: 2902 Lab Sample ID: 200-24410-7

Matrix: Air Lab File ID: 9716_008.D

Analysis Method: TO-15 Date Collected: 09/25/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/29/2014 14:25

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U *	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U *	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U *	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Client Sample ID: 2902 Lab Sample ID: 200-24410-7

Matrix: Air Lab File ID: 9716_008.D

Analysis Method: TO-15 Date Collected: 09/25/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/29/2014 14:25

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Client Sample ID: 2902 Lab Sample ID: 200-24410-7

Matrix: Air Lab File ID: 9716_008.D

Analysis Method: TO-15 Date Collected: 09/25/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/29/2014 14:25

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_008.D
Lims ID: 200-24410-A-7 Lab Sample ID: 200-24410-7
Client ID: 2902
Sample Type: Client
Inject. Date: 29-Sep-2014 14:25:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0009716-008
Misc. Info.: 24410-7
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 29-Sep-2014 15:12:52 Calib Date: 15-Aug-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140815-9029.b\9029_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK002

First Level Reviewer: desjardinsb Date: 29-Sep-2014 15:14:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.994				ND	
2 Dichlorodifluoromethane	85		3.069				ND	
6 Chlorodifluoromethane	51		3.122				0	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.341				ND	
8 Chloromethane	50	3.479	3.479	0.000	93	1005	0.1094	
9 Butane	43		3.688				0	
10 Vinyl chloride	62		3.730				ND	
11 Butadiene	54		3.810				ND	
12 Bromomethane	94		4.520				ND	
13 Chloroethane	64		4.771				ND	
15 Vinyl bromide	106		5.171				ND	
16 Trichlorofluoromethane	101		5.273				ND	
19 Ethanol	45		5.929				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.399				ND	
24 1,1-Dichloroethene	96		6.431				ND	
25 Acetone	43		6.714				0	
26 Carbon disulfide	76		6.815				ND	
27 Isopropyl alcohol	45		7.045				ND	
29 3-Chloro-1-propene	41		7.253				ND	
31 Methylene Chloride	49	7.552	7.562	-0.010	81	1228	0.1123	
32 2-Methyl-2-propanol	59		7.834				ND	
33 Methyl tert-butyl ether	73		7.984				ND	
34 trans-1,2-Dichloroethene	61		8.005				ND	
36 Hexane	57		8.400				ND	
37 1,1-Dichloroethane	63		8.907				ND	
38 Vinyl acetate	43		9.003				ND	
39 cis-1,2-Dichloroethene	96		10.049				ND	
40 2-Butanone (MEK)	72		10.124				ND	
42 Ethyl acetate	88		10.161				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
* 43 Chlorobromomethane	128	10.514	10.519	-0.005	75	117403	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Tetrahydrofuran	42		10.540				ND	
45 Chloroform	83		10.663				ND	
46 Cyclohexane	84		10.887				ND	
47 1,1,1-Trichloroethane	97		10.924				ND	
48 Carbon tetrachloride	117		11.175				ND	
51 Isooctane	57		11.624				ND	
50 Benzene	78		11.656				ND	
52 1,2-Dichloroethane	62		11.858				ND	
53 n-Heptane	43		12.029				ND	
* 54 1,4-Difluorobenzene	114	12.531	12.531	0.000	96	553149	10.0	
56 Trichloroethene	95		12.995				ND	
58 1,2-Dichloropropane	63		13.577				ND	
59 Methyl methacrylate	69		13.764				ND	
60 1,4-Dioxane	88		13.828				ND	
61 Dibromomethane	174		13.838				ND	
62 Dichlorobromomethane	83		14.148				ND	
64 cis-1,3-Dichloropropene	75		15.093				ND	
65 4-Methyl-2-pentanone (MIBK	43		15.402				ND	
66 Toluene	92		15.680				ND	
70 trans-1,3-Dichloropropene	75		16.299				ND	
71 1,1,2-Trichloroethane	83		16.672				ND	
72 Tetrachloroethene	166		16.758				ND	
73 2-Hexanone	43		17.131				ND	
74 Chlorodibromomethane	129		17.430				ND	
75 Ethylene Dibromide	107		17.697				ND	
* 76 Chlorobenzene-d5	117	18.588	18.588	0.000	95	504570	10.0	
77 Chlorobenzene	112		18.652				ND	
78 Ethylbenzene	91		18.802				ND	
81 m-Xylene & p-Xylene	106		19.053				ND	
83 o-Xylene	106		19.890				ND	
84 Styrene	104		19.944				ND	
S 82 Xylenes, Total	106		20.100				0	
85 Bromoform	173		20.365				ND	
86 Isopropylbenzene	105		20.563				ND	
$ 87 4-Bromofluorobenzene	95	20.931	20.931	0.000	80	443914	NC	
88 1,1,2,2-Tetrachloroethane	83		21.225				ND	
90 N-Propylbenzene	91		21.283				ND	
91 4-Ethyltoluene	105		21.470				ND	
92 2-Chlorotoluene	91		21.476				ND	
94 1,3,5-Trimethylbenzene	105		21.577				ND	
96 tert-Butylbenzene	119		22.057				ND	
97 1,2,4-Trimethylbenzene	105		22.153				ND	
98 sec-Butylbenzene	105		22.383				ND	
99 4-Isopropyltoluene	119		22.580				ND	
100 1,3-Dichlorobenzene	146		22.612				ND	
101 1,4-Dichlorobenzene	146		22.746				ND	
102 Benzyl chloride	91		22.943				0	
103 n-Butylbenzene	91		23.151				0	
105 1,2-Dichlorobenzene	146		23.274				ND	
107 1,2,4-Trichlorobenzene	180		25.766				ND	
108 Hexachlorobutadiene	225		25.948				ND	
109 Naphthalene	128		26.252				0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

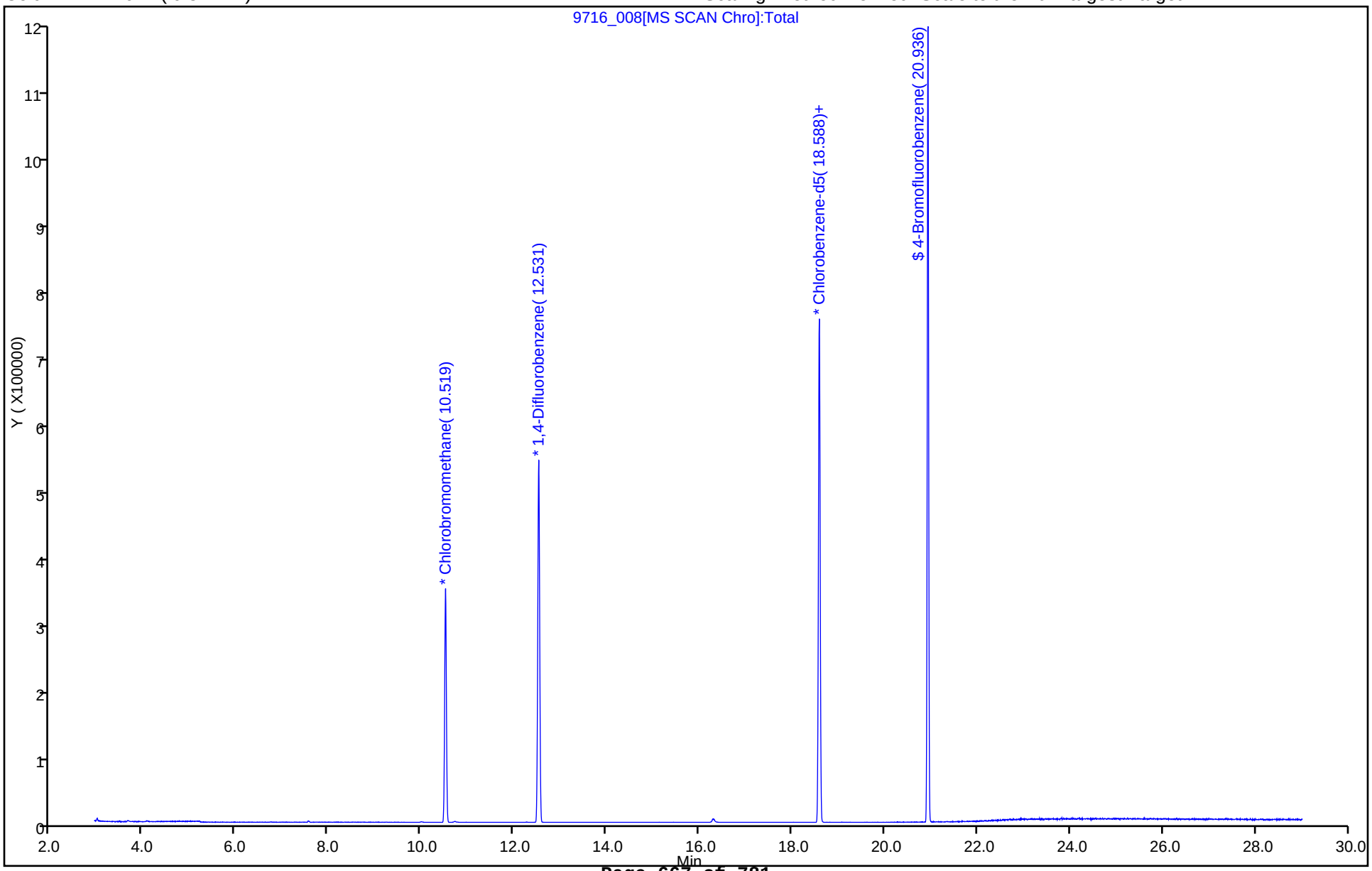
ATTO15CISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

Report Date: 29-Sep-2014 15:14:42 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_008.D				
Injection Date:	29-Sep-2014 14:25:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-24410-A-7	Lab Sample ID:	200-24410-7	Worklist Smp#:	8
Client ID:	2902				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Client Sample ID: 5034 Lab Sample ID: 200-24452-12

Matrix: Air Lab File ID: 9716_022.D

Analysis Method: TO-15 Date Collected: 09/27/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/30/2014 03:33

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U *	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U *	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U *	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Client Sample ID: 5034 Lab Sample ID: 200-24452-12

Matrix: Air Lab File ID: 9716_022.D

Analysis Method: TO-15 Date Collected: 09/27/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/30/2014 03:33

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Client Sample ID: 5034 Lab Sample ID: 200-24452-12

Matrix: Air Lab File ID: 9716_022.D

Analysis Method: TO-15 Date Collected: 09/27/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/30/2014 03:33

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_022.D
Lims ID: 200-24452-A-12 Lab Sample ID: 200-24452-12
Client ID: 5034
Sample Type: Client
Inject. Date: 30-Sep-2014 03:33:30 ALS Bottle#: 5 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0009716-022
Misc. Info.: 24452-12
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 30-Sep-2014 07:32:26 Calib Date: 15-Aug-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140815-9029.b\9029_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desjardinsb Date: 30-Sep-2014 07:32:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.994				ND	
2 Dichlorodifluoromethane	85	3.063	3.069	-0.006	94	1366	0.0418	
6 Chlorodifluoromethane	51		3.122				ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.341				ND	
8 Chloromethane	50		3.479				ND	
9 Butane	43		3.688				ND	
10 Vinyl chloride	62		3.730				ND	
11 Butadiene	54		3.810				ND	
12 Bromomethane	94		4.520				ND	
13 Chloroethane	64		4.771				ND	
15 Vinyl bromide	106		5.171				ND	
16 Trichlorofluoromethane	101		5.273				ND	
19 Ethanol	45		5.929				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.399				ND	
24 1,1-Dichloroethene	96		6.431				ND	
25 Acetone	43	6.724	6.714	0.010	68	15703	1.33	
26 Carbon disulfide	76		6.815				ND	
27 Isopropyl alcohol	45		7.045				ND	
29 3-Chloro-1-propene	41		7.253				ND	
31 Methylene Chloride	49	7.562	7.562	0.000	77	2985	0.3723	
32 2-Methyl-2-propanol	59		7.834				ND	
33 Methyl tert-butyl ether	73		7.984				ND	
34 trans-1,2-Dichloroethene	61		8.005				ND	
36 Hexane	57		8.400				ND	
37 1,1-Dichloroethane	63		8.907				ND	
38 Vinyl acetate	43		9.003				ND	
39 cis-1,2-Dichloroethene	96		10.049				ND	
40 2-Butanone (MEK)	72		10.124				ND	
42 Ethyl acetate	88		10.161				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
* 43 Chlorobromomethane	128	10.519	10.519	0.000	80	86121	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Tetrahydrofuran	42		10.540				ND	
45 Chloroform	83		10.663				ND	
46 Cyclohexane	84		10.887				ND	
47 1,1,1-Trichloroethane	97		10.924				ND	
48 Carbon tetrachloride	117		11.175				ND	
51 Isooctane	57		11.624				ND	
50 Benzene	78		11.656				ND	
52 1,2-Dichloroethane	62		11.858				ND	
53 n-Heptane	43		12.029				ND	
* 54 1,4-Difluorobenzene	114	12.531	12.531	0.000	97	384805	10.0	
56 Trichloroethene	95		12.995				ND	
58 1,2-Dichloropropane	63		13.577				ND	
59 Methyl methacrylate	69		13.764				ND	
60 1,4-Dioxane	88		13.828				ND	
61 Dibromomethane	174		13.838				ND	
62 Dichlorobromomethane	83		14.148				ND	
64 cis-1,3-Dichloropropene	75		15.093				ND	
65 4-Methyl-2-pentanone (MIBK	43		15.402				ND	
66 Toluene	92		15.680				ND	
70 trans-1,3-Dichloropropene	75		16.299				ND	
71 1,1,2-Trichloroethane	83		16.672				ND	
72 Tetrachloroethene	166		16.758				ND	
73 2-Hexanone	43		17.131				ND	
74 Chlorodibromomethane	129		17.430				ND	
75 Ethylene Dibromide	107		17.697				ND	
* 76 Chlorobenzene-d5	117	18.588	18.588	0.000	97	335636	10.0	
77 Chlorobenzene	112		18.652				ND	
78 Ethylbenzene	91		18.802				ND	
81 m-Xylene & p-Xylene	106		19.053				ND	
83 o-Xylene	106		19.890				ND	
84 Styrene	104		19.944				ND	
S 82 Xylenes, Total	106		20.100				0	
85 Bromoform	173		20.365				ND	
86 Isopropylbenzene	105		20.563				ND	
$ 87 4-Bromofluorobenzene	95	20.931	20.931	0.000	77	317324	NC	
88 1,1,2,2-Tetrachloroethane	83		21.225				ND	
90 N-Propylbenzene	91		21.283				ND	
91 4-Ethyltoluene	105		21.470				ND	
92 2-Chlorotoluene	91		21.476				ND	
94 1,3,5-Trimethylbenzene	105		21.577				ND	
96 tert-Butylbenzene	119		22.057				ND	
97 1,2,4-Trimethylbenzene	105		22.153				ND	
98 sec-Butylbenzene	105		22.383				ND	
99 4-Isopropyltoluene	119		22.580				ND	
100 1,3-Dichlorobenzene	146		22.612				ND	
101 1,4-Dichlorobenzene	146		22.746				ND	
102 Benzyl chloride	91		22.943				ND	
103 n-Butylbenzene	91		23.151				0	
105 1,2-Dichlorobenzene	146		23.274				ND	
107 1,2,4-Trichlorobenzene	180		25.766				ND	
108 Hexachlorobutadiene	225		25.948				ND	
109 Naphthalene	128		26.252				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

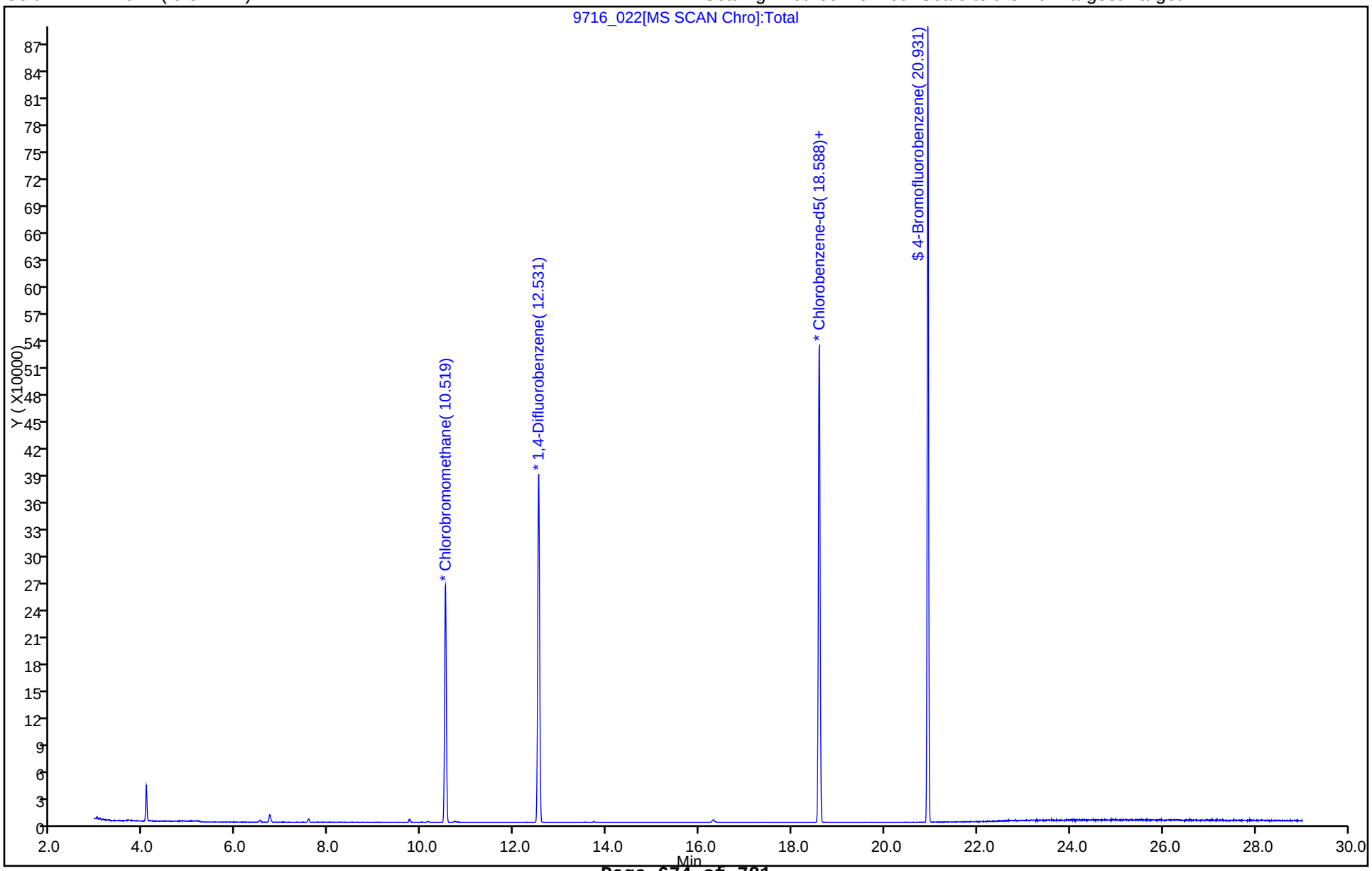
Report Date: 30-Sep-2014 07:32:27 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_022.D

Injection Date:	30-Sep-2014 03:33:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-24452-A-12	Lab Sample ID:	200-24452-12	Worklist Smp#:	22
Client ID:	5034				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Client Sample ID: 5109 Lab Sample ID: 200-24453-8

Matrix: Air Lab File ID: 9716_023.D

Analysis Method: TO-15 Date Collected: 09/27/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/30/2014 04:31

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U *	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U *	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U *	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Client Sample ID: 5109 Lab Sample ID: 200-24453-8

Matrix: Air Lab File ID: 9716_023.D

Analysis Method: TO-15 Date Collected: 09/27/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/30/2014 04:31

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Client Sample ID: 5109 Lab Sample ID: 200-24453-8

Matrix: Air Lab File ID: 9716_023.D

Analysis Method: TO-15 Date Collected: 09/27/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/30/2014 04:31

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 77911 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_023.D
Lims ID: 200-24453-A-8 Lab Sample ID: 200-24453-8
Client ID: 5109
Sample Type: Client
Inject. Date: 30-Sep-2014 04:31:30 ALS Bottle#: 6 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0009716-023
Misc. Info.: 24453-8
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 30-Sep-2014 07:32:58 Calib Date: 15-Aug-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140815-9029.b\9029_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: desjardinsb Date: 30-Sep-2014 07:32:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.994				ND	
2 Dichlorodifluoromethane	85		3.069				ND	
6 Chlorodifluoromethane	51		3.122				0	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.341				ND	
8 Chloromethane	50		3.479				0	
9 Butane	43		3.688				ND	
10 Vinyl chloride	62		3.730				ND	
11 Butadiene	54		3.810				ND	
12 Bromomethane	94		4.520				ND	
13 Chloroethane	64		4.771				ND	
15 Vinyl bromide	106		5.171				ND	
16 Trichlorofluoromethane	101		5.273				ND	
19 Ethanol	45		5.929				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.399				ND	
24 1,1-Dichloroethene	96		6.431				ND	
25 Acetone	43		6.714				0	
26 Carbon disulfide	76		6.815				ND	
27 Isopropyl alcohol	45		7.045				ND	
29 3-Chloro-1-propene	41		7.253				ND	
31 Methylene Chloride	49	7.557	7.562	-0.005	47	1521	0.2038	
32 2-Methyl-2-propanol	59		7.834				ND	
33 Methyl tert-butyl ether	73		7.984				ND	
34 trans-1,2-Dichloroethene	61		8.005				ND	
36 Hexane	57		8.400				ND	
37 1,1-Dichloroethane	63		8.907				ND	
38 Vinyl acetate	43		9.003				ND	
39 cis-1,2-Dichloroethene	96		10.049				ND	
40 2-Butanone (MEK)	72		10.124				ND	
42 Ethyl acetate	88		10.161				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
* 43 Chlorobromomethane	128	10.519	10.519	0.000	80	80143	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Tetrahydrofuran	42		10.540				ND	
45 Chloroform	83		10.663				ND	
46 Cyclohexane	84		10.887				ND	
47 1,1,1-Trichloroethane	97		10.924				ND	
48 Carbon tetrachloride	117		11.175				ND	
51 Isooctane	57		11.624				ND	
50 Benzene	78		11.656				ND	
52 1,2-Dichloroethane	62		11.858				ND	
53 n-Heptane	43		12.029				ND	
* 54 1,4-Difluorobenzene	114	12.531	12.531	0.000	97	359657	10.0	
56 Trichloroethene	95		12.995				ND	
58 1,2-Dichloropropane	63		13.577				ND	
59 Methyl methacrylate	69		13.764				ND	
60 1,4-Dioxane	88		13.828				ND	
61 Dibromomethane	174		13.838				ND	
62 Dichlorobromomethane	83		14.148				ND	
64 cis-1,3-Dichloropropene	75		15.093				ND	
65 4-Methyl-2-pentanone (MIBK	43		15.402				ND	
66 Toluene	92		15.680				ND	
70 trans-1,3-Dichloropropene	75		16.299				ND	
71 1,1,2-Trichloroethane	83		16.672				ND	
72 Tetrachloroethene	166		16.758				ND	
73 2-Hexanone	43		17.131				ND	
74 Chlorodibromomethane	129		17.430				ND	
75 Ethylene Dibromide	107		17.697				ND	
* 76 Chlorobenzene-d5	117	18.588	18.588	0.000	97	314281	10.0	
77 Chlorobenzene	112		18.652				ND	
78 Ethylbenzene	91		18.802				ND	
81 m-Xylene & p-Xylene	106		19.053				ND	
83 o-Xylene	106		19.890				ND	
84 Styrene	104		19.944				ND	
S 82 Xylenes, Total	106		20.100				0	
85 Bromoform	173		20.365				ND	
86 Isopropylbenzene	105		20.563				ND	
$ 87 4-Bromofluorobenzene	95	20.931	20.931	0.000	77	298069	NC	
88 1,1,2,2-Tetrachloroethane	83		21.225				ND	
90 N-Propylbenzene	91		21.283				ND	
91 4-Ethyltoluene	105		21.470				ND	
92 2-Chlorotoluene	91		21.476				ND	
94 1,3,5-Trimethylbenzene	105		21.577				ND	
96 tert-Butylbenzene	119		22.057				ND	
97 1,2,4-Trimethylbenzene	105		22.153				ND	
98 sec-Butylbenzene	105		22.383				ND	
99 4-Isopropyltoluene	119		22.580				ND	
100 1,3-Dichlorobenzene	146		22.612				ND	
101 1,4-Dichlorobenzene	146		22.746				ND	
102 Benzyl chloride	91		22.943				ND	
103 n-Butylbenzene	91		23.151				ND	
105 1,2-Dichlorobenzene	146		23.274				ND	
107 1,2,4-Trichlorobenzene	180		25.766				ND	
108 Hexachlorobutadiene	225		25.948				ND	
109 Naphthalene	128		26.252				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

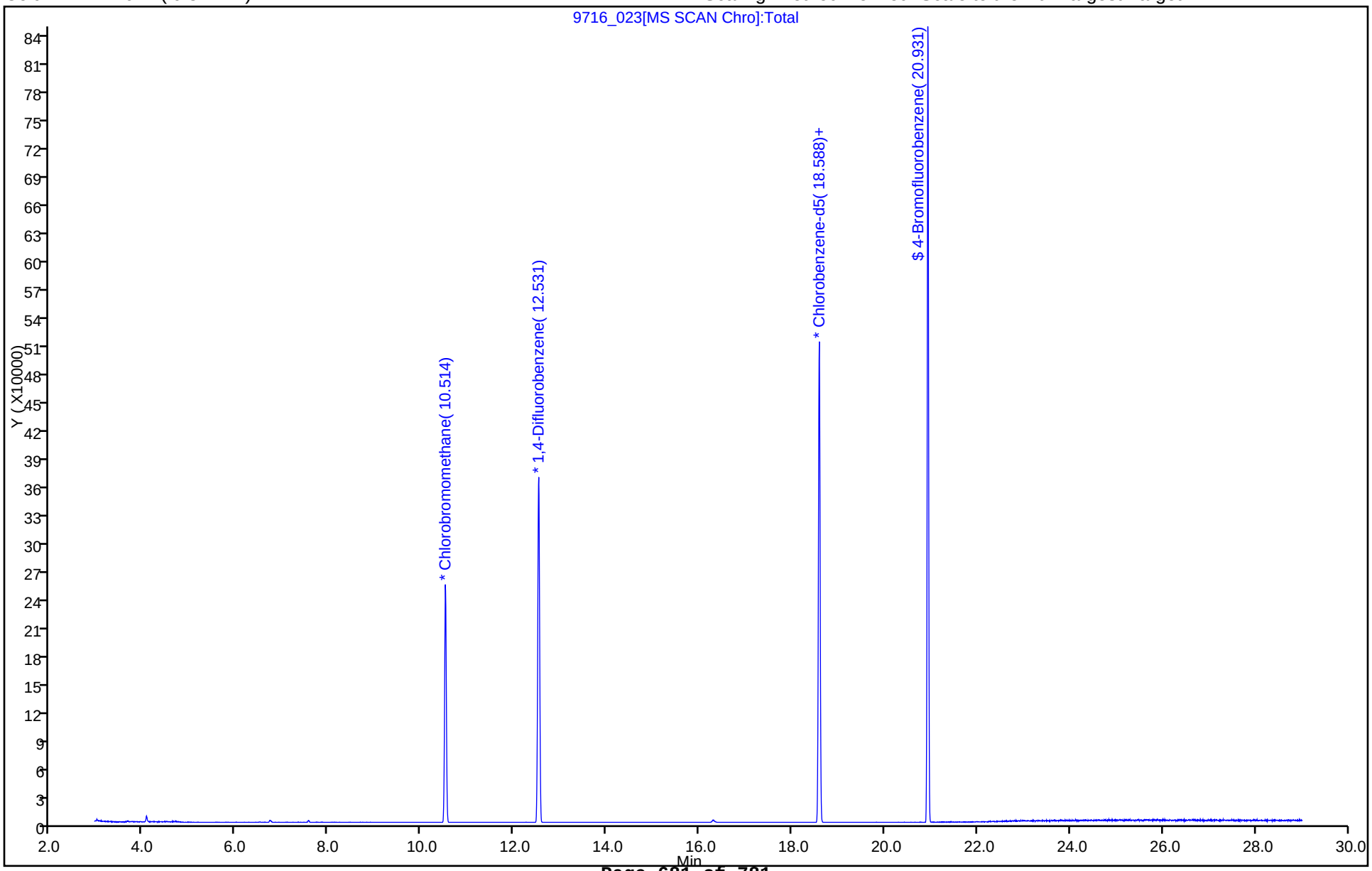
Report Date: 30-Sep-2014 07:32:58 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140929-9716.b\9716_023.D

Injection Date:	30-Sep-2014 04:31:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-24453-A-8	Lab Sample ID:	200-24453-8	Worklist Smp#:	23
Client ID:	5109				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24405-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-76115/3	9029_003.D
Level 2	IC 200-76115/4	9029_004.D
Level 3	IC 200-76115/5	9029_005.D
Level 4	IC 200-76115/6	9029_006.D
Level 5	ICIS 200-76115/7	9029_007.D
Level 6	IC 200-76115/8	9029_008.D
Level 7	IC 200-76115/9	9029_009.D
Level 8	IC 200-76115/10	9029_010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5690	+++++ 0.5367	0.6765 0.4831	0.5776	0.5884	Ave		0.5719				11.0		30.0			
Dichlorodifluoromethane	+++++ 3.8393	+++++ 3.6152	4.0781 2.9225	4.1984	4.1001	Ave		3.7923				13.0		30.0			
Freon 22	+++++ 1.6769	+++++ 1.6077	1.7649 1.4143	1.7797	1.7525	Ave		1.6660				8.4		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.2859	2.8898 3.1930	3.3076 2.7677	3.3586	3.4118	Ave		3.1735				7.8		30.0			
Chloromethane	+++++ 0.7940	+++++ 0.7645	0.8467 0.6918	0.7894	0.8077	Ave		0.7823				6.6		30.0			
n-Butane	+++++ 1.2215	+++++ 1.1884	1.2543 1.0810	1.2188	1.2606	Ave		1.2041				5.5		30.0			
Vinyl chloride	1.0037 1.0389	0.8908 1.0351	1.0324 0.9543	1.0013	1.0510	Ave		1.0009				5.4		30.0			
1,3-Butadiene	+++++ 0.7283	0.5159 0.7118	0.6742 0.6657	0.6941	0.7321	Ave		0.6746				11.0		30.0			
Bromomethane	+++++ 1.0720	1.0341 1.0651	1.0874 0.9901	1.0900	1.0930	Ave		1.0617				3.5		30.0			
Chloroethane	+++++ 0.4586	+++++ 0.4579	0.4908 0.4381	0.4552	0.4718	Ave		0.4621				3.8		30.0			
Isopentane	+++++ 0.7621	1.1097 0.7594	0.9306 0.6996	0.8044	0.7908	Ave		0.8366				17.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.0158	0.9948 0.9906	1.0220 0.9196	1.0743	1.0625	Ave		1.0114				5.1		30.0			
Trichlorofluoromethane	+++++ 3.4364	3.2251 3.3095	3.7380 2.9684	3.7987	3.6642	Ave		3.4486				8.8		30.0			
n-Pentane	+++++ 1.0747	+++++ 1.0531	1.1283 0.9752	1.1188	1.1301	Ave		1.0800				5.6		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24405-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.2351	+++++ 0.2103	0.2211 0.1884	0.2420	0.2008	Ave		0.2163				9.5		30.0			
Ethyl ether	+++++ 0.5407	0.4063 0.5365	0.5512 0.5101	0.5601	0.5645	Ave		0.5242				10.0		30.0			
Acrolein	+++++ 0.2258	+++++ 0.2295	+++++ 0.2264	0.2313	0.2380	Ave		0.2302				2.1		30.0			
Freon TF	+++++ 2.0496	1.8478 2.0144	2.1030 1.8939	2.1641	2.1407	Ave		2.0305				6.0		30.0			
1,1-Dichloroethene	+++++ 0.9254	0.7797 0.9131	0.9098 0.8792	0.9450	0.9355	Ave		0.8983				6.3		30.0			
Acetone	+++++ 1.3752	+++++ 1.3140	+++++ 1.1553	1.4766	1.5224	Ave		1.3687				11.0		30.0			
Carbon disulfide	+++++ 2.3187	+++++ 2.3174	2.3879 2.1282	2.4303	2.4156	Ave		2.3330				4.8		30.0			
Isopropyl alcohol	+++++ 1.0258	+++++ 0.8735	+++++ 0.8343	1.0848	0.8481	Ave		0.9333				12.0		30.0			
3-Chloropropene	+++++ 0.8682	0.7525 0.8343	0.8835 0.7811	0.9199	0.8977	Ave		0.8482				7.3		30.0			
Acetonitrile	+++++ 0.4637	+++++ 0.4336	+++++ 0.4120	0.4930	0.4528	Ave		0.4510				6.8		30.0			
Methylene Chloride	+++++ 0.8878	+++++ 0.8733	1.1108 0.8003	0.9728	0.9414	Ave		0.9311				11.0		30.0			
tert-Butyl alcohol	+++++ 1.9191	+++++ 1.7050	+++++ 1.6446	2.0030	1.7084	Ave		1.7960				8.7		30.0			
Methyl tert-butyl ether	+++++ 3.0111	2.6653 2.9482	3.0397 2.7135	3.1321	3.1139	Ave		2.9462				6.3		30.0			
trans-1,2-Dichloroethene	+++++ 1.3510	1.1679 1.3251	1.3882 1.2412	1.4202	1.4084	Ave		1.3288				7.0		30.0			
Acrylonitrile	+++++ 0.5167	+++++ 0.5021	0.4554 0.4813	0.5294	0.5178	Ave		0.5004				5.5		30.0			
n-Hexane	+++++ 1.1381	0.8980 1.1146	1.1958 1.0444	1.1755	1.1813	Ave		1.1068				9.5		30.0			
1,1-Dichloroethane	1.3561 1.6814	1.5126 1.6483	1.7262 1.5337	1.7643	1.7246	Ave		1.6184				8.6		30.0			
Vinyl acetate	+++++ 1.9753	+++++ 1.9253	+++++ 1.7878	2.0572	2.0768	Ave		1.9645				5.9		30.0			
cis-1,2-Dichloroethene	+++++ 1.0532	0.9876 1.0314	1.0586 0.9882	1.0537	1.0633	Ave		1.0337				3.2		30.0			
Methyl Ethyl Ketone	+++++ 0.4425	+++++ 0.4189	0.4209 0.4062	0.4386	0.4275	Ave		0.4258				3.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24405-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0790	+++++ 0.0773	+++++ 0.0743	0.0796	0.0772	Ave		0.0775				2.6		30.0			
Tetrahydrofuran	+++++ 0.1683	+++++ 0.1603	+++++ 0.1516	0.1782	0.1737	Ave		0.1664				6.4		30.0			
Chloroform	+++++ 2.5616	2.3078 2.4809	2.5526 2.2902	2.6545	2.6354	Ave		2.4976				5.9		30.0			
Cyclohexane	+++++ 0.2727	0.2266 0.2692	0.2743 0.2618	0.2717	0.2781	Ave		0.2649				6.7		30.0			
1,1,1-Trichloroethane	+++++ 0.6772	0.6215 0.6540	0.6905 0.6035	0.7162	0.7142	Ave		0.6682				6.6		30.0			
Carbon tetrachloride	0.6560 0.7465	0.6227 0.7239	0.7366 0.6678	0.7887	0.7862	Ave		0.7160				8.6		30.0			
2,2,4-Trimethylpentane	+++++ 0.8606	0.7934 0.8397	0.8733 0.7818	0.8890	0.8966	Ave		0.8478				5.3		30.0			
Benzene	+++++ 0.5996	0.5517 0.5885	0.5997 0.5610	0.6090	0.6190	Ave		0.5898				4.2		30.0			
1,2-Dichloroethane	+++++ 0.4388	0.4076 0.4258	0.4494 0.3927	0.4797	0.4699	Ave		0.4377				7.2		30.0			
n-Heptane	+++++ 0.3018	0.2797 0.2930	0.3124 0.2727	0.3191	0.3223	Ave		0.3001				6.4		30.0			
n-Butanol	+++++ 0.1009	+++++ 0.0870	+++++ 0.0870	0.1025	0.0829	Ave		0.0921				9.8		30.0			
Trichloroethene	0.2250 0.3377	0.2898 0.3350	0.3232 0.3228	0.3361	0.3438	Ave		0.3142				13.0		30.0			
1,2-Dichloropropane	+++++ 0.2260	0.1964 0.2228	0.2291 0.2130	0.2313	0.2336	Ave		0.2217				5.9		30.0			
Methyl methacrylate	+++++ 0.2379	+++++ 0.2345	0.1986 0.2249	0.2314	0.2380	Ave		0.2275				6.6		30.0			
1,4-Dioxane	+++++ 0.1053	+++++ 0.0873	+++++ 0.0918	0.1087	0.0825	Ave		0.0951				12.0		30.0			
Dibromomethane	+++++ 0.3154	0.2410 0.3167	0.2806 0.3181	0.2984	0.3136	Ave		0.2977				9.6		30.0			
Bromodichloromethane	+++++ 0.7014	0.5773 0.6879	0.6309 0.6445	0.7117	0.7289	Ave		0.6689				8.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4278	0.3423 0.4237	0.3648 0.4014	0.4257	0.4351	Ave		0.4030				8.9		30.0			
methyl isobutyl ketone	+++++ 0.4963	+++++ 0.4746	0.4741 0.4407	0.5355	0.5396	Ave		0.4935				7.8		30.0			
Toluene	+++++ 0.4815	0.4320 0.4807	0.4931 0.4526	0.4903	0.4933	Ave		0.4748				5.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24405-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.4763	0.4239 0.4557	0.4918 0.4180	0.5169	0.5133	Ave		0.4709				8.5		30.0			
trans-1,3-Dichloropropene	+++++ 0.5138	0.4019 0.5067	0.4488 0.4781	0.5085	0.5319	Ave		0.4842				9.4		30.0			
1,1,2-Trichloroethane	+++++ 0.2524	0.2309 0.2509	0.2526 0.2398	0.2574	0.2596	Ave		0.2491				4.1		30.0			
Tetrachloroethene	0.4411 0.4605	0.3930 0.4673	0.4334 0.4597	0.4533	0.4622	Ave		0.4463				5.5		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4976	+++++ 0.4710	0.5057 0.4254	0.5611	0.5307	Ave		0.4986				9.5		30.0			
Dibromochloromethane	+++++ 0.6953	0.4903 0.6952	0.5430 0.6567	0.6783	0.6992	Ave		0.6368				13.0		30.0			
1,2-Dibromoethane	+++++ 0.5191	0.4100 0.5169	0.4734 0.4980	0.5129	0.5261	Ave		0.4938				8.3		30.0			
Chlorobenzene	+++++ 0.6884	0.6212 0.6896	0.6708 0.6512	0.6847	0.6992	Ave		0.6722				4.1		30.0			
Ethylbenzene	+++++ 1.1961	1.1106 1.1646	1.1857 1.0211	1.2315	1.2351	Ave		1.1635				6.5		30.0			
n-Nonane	+++++ 0.4891	0.4278 0.4774	0.5063 0.4399	0.5247	0.5144	Ave		0.4828				7.7		30.0			
m,p-Xylene	+++++ 0.4574	0.4125 0.4558	0.4233 0.4284	0.4660	0.4670	Ave		0.4443				5.0		30.0			
Xylene, o-	+++++ 0.4589	0.3678 0.4550	0.4154 0.4400	0.4572	0.4684	Ave		0.4375				8.1		30.0			
Styrene	+++++ 0.7203	0.5206 0.7194	0.5803 0.6784	0.7136	0.7328	Ave		0.6665				12.0		30.0			
Bromoform	+++++ 0.7320	0.4029 0.7325	0.5191 0.7004	0.7062	0.7406	Ave		0.6477				20.0		30.0			
Cumene	+++++ 1.4153	1.1373 1.3729	1.3162 1.1485	1.4856	1.4818	Ave		1.3368				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6944	0.5885 0.6819	0.6580 0.6263	0.7230	0.7261	Ave		0.6712				7.5		30.0			
n-Propylbenzene	+++++ 1.6877	1.5114 1.5991	1.6601 1.2404	1.8291	1.8063	Ave		1.6191				12.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6298	+++++ 0.6124	0.6261 0.5596	0.6777	0.6638	Ave		0.6282				6.6		30.0			
n-Decane	+++++ 0.6668	+++++ 0.6456	0.6655 0.5869	0.7254	0.7113	Ave		0.6669				7.4		30.0			
4-Ethyltoluene	+++++ 1.4915	1.2378 1.4313	1.3737 1.1557	1.5315	1.5533	Ave		1.3964				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24405-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.3238	1.2182 1.2769	1.2948 1.0502	1.4141	1.4077	Ave		1.2837				9.7		30.0			
1,3,5-Trimethylbenzene	+++++ 1.2778	1.0104 1.2375	1.1747 1.0219	1.3536	1.3428	Ave		1.2027				12.0		30.0			
Alpha Methyl Styrene	+++++ 0.6084	0.4073 0.6051	0.4367 0.5814	0.5991	0.6057	Ave		0.5491				16.0		30.0			
tert-Butylbenzene	+++++ 1.2293	0.9754 1.1942	1.0921 1.0176	1.3025	1.2896	Ave		1.1572				11.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.3025	1.0167 1.2500	1.1583 1.0188	1.4056	1.3865	Ave		1.2198				13.0		30.0			
sec-Butylbenzene	+++++ 1.7119	1.4353 1.6215	1.6033 1.2406	1.9050	1.8352	Ave		1.6218				14.0		30.0			
4-Isopropyltoluene	+++++ 1.5796	1.1755 1.5126	1.3948 1.1727	1.7007	1.6714	Ave		1.4582				15.0		30.0			
1,3-Dichlorobenzene	+++++ 0.8954	0.7663 0.9011	0.7629 0.8106	0.8924	0.9218	Ave		0.8501				8.0		30.0			
1,4-Dichlorobenzene	+++++ 0.8984	0.7851 0.8999	0.7415 0.7980	0.8995	0.9170	Ave		0.8485				8.4		30.0			
Benzyl chloride	+++++ 1.1358	0.9043 1.1094	0.9679 0.9140	1.1790	1.1983	Ave		1.0584				12.0		30.0			
n-Butylbenzene	+++++ 1.5002	1.2863 1.4225	1.3896 1.0957	1.6322	1.6025	Ave		1.4184				13.0		30.0			
n-Undecane	+++++ 0.7840	+++++ 0.7607	+++++ 0.6606	0.8844	0.8488	Ave		0.7877				11.0		30.0			
1,2-Dichlorobenzene	+++++ 0.8423	0.6640 0.8480	0.7094 0.7721	0.8425	0.8692	Ave		0.7925				10.0		30.0			
n-Dodecane	+++++ 0.8240	+++++ 0.8168	+++++ 0.6875	0.8546	0.9124	Ave		0.8191				10.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7704	+++++ 0.8130	0.5721 0.7387	0.6634	0.8010	Ave		0.7264				13.0		30.0			
Hexachlorobutadiene	+++++ 0.8226	0.5567 0.8387	0.6237 0.7793	0.8009	0.8577	Ave		0.7542				15.0		30.0			
Naphthalene	+++++ 1.4614	+++++ 1.5462	1.1266 1.2102	1.2059	1.5638	Ave		1.3524				14.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.7125	0.4718 0.7554	0.5121 0.6939	0.5897	0.7475	Ave		0.6404				18.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24405-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-76115/3	9029_003.D
Level 2	IC 200-76115/4	9029_004.D
Level 3	IC 200-76115/5	9029_005.D
Level 4	IC 200-76115/6	9029_006.D
Level 5	ICIS 200-76115/7	9029_007.D
Level 6	IC 200-76115/8	9029_008.D
Level 7	IC 200-76115/9	9029_009.D
Level 8	IC 200-76115/10	9029_010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 124694	+++++ 168621	4161 336660	34576	76733	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 841313	+++++ 1135832	25083 2036756	251338	534687	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 367466	+++++ 505125	10855 985667	106539	228537	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 720036	7646 1003178	20344 1928871	201061	444917	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 173983	+++++ 240200	5208 482138	47255	105324	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 267676	+++++ 373372	7715 753408	72962	164389	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	601 227646	2357 325206	6350 665079	59945	137062	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 159603	1365 223646	4147 463975	41552	95475	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 234917	2736 334629	6688 690016	65254	142540	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 100491	+++++ 143861	3019 305314	27249	61529	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 166996	2936 238586	5724 487575	48155	103121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 222592	2632 311240	6286 640924	64315	138555	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 753014	8533 1039800	22991 2068774	227408	477830	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 235505	+++++ 330876	6940 679628	66977	147374	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 68845	+++++ 132185	13615 328230	28997	39291	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24405-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 118494	1075 168556	3390 355497	33532	73620	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 49469	+++++ 72116	+++++ 157813	13849	31043	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 449132	4889 632880	12935 1319893	129556	279162	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 202785	2063 286872	5596 612737	56575	121999	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 301356	+++++ 412839	+++++ 805132	88399	198531	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 508094	+++++ 728098	14687 1483174	145488	315007	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 224776	+++++ 274449	+++++ 581469	64942	110594	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 190243	1991 262133	5434 544348	55070	117068	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 101609	+++++ 136242	+++++ 287166	29511	59044	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 194552	+++++ 274388	6832 557769	58239	122759	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 420540	+++++ 535673	+++++ 1146168	119908	222789	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 659819	7052 926277	18696 1891095	187504	406067	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 296041	3090 416311	8538 865015	85020	183670	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 113216	+++++ 157761	2801 335403	31690	67519	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 249384	2376 350179	7355 727848	70374	154049	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	812 368442	4002 517873	10617 1068878	105620	224895	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 432846	+++++ 604908	+++++ 1245975	123154	270825	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 230779	2613 324058	6511 688668	63078	138667	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 96965	+++++ 131612	2589 283121	26259	55747	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 17322	+++++ 24290	+++++ 51811	4764	10069	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 170227	+++++ 233376	+++++ 487608	48591	102822	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24405-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 561319	6106 779452	15700 1596086	158911	343673	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 275879	2754 391855	7651 842035	74064	164568	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 684972	7555 952113	19262 1941230	195258	422701	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1805 755072	7570 1053824	20550 2147772	215008	465262	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 870475	9645 1222425	24364 2514439	242359	530591	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 606507	6706 856773	16731 1804508	166022	366351	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 443821	4955 619849	12536 1262979	130772	278098	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 305325	3400 426538	8714 876958	87005	190734	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 102108	+++++ 126726	+++++ 279738	27954	49051	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	619 341575	3523 487640	9015 1038245	91636	203463	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 228589	2388 324329	6390 684963	63069	138267	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 240689	+++++ 341406	5539 723400	63083	140841	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 106506	+++++ 127026	+++++ 295364	29628	48802	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 319042	2929 461019	7827 1023225	81353	185597	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 709508	7018 1001476	17600 2072871	194013	431342	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 432780	4161 616851	10177 1290966	116052	257501	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 501973	+++++ 690982	13225 1417461	145989	319343	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 493972	4933 710925	13081 1512707	130451	296198	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 481809	5153 663484	13719 1344468	140925	303797	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 519689	4885 737723	12521 1537839	138622	314798	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 258965	2637 371136	6700 801653	68470	155897	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24405-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	1150 472440	4487 691072	11497 1536401	120602	277569	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 510510	+++++ 696634	13415 1421791	149274	318670	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 713264	5598 1028135	14404 2195074	180457	419885	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 532502	4682 764432	12558 1664734	136445	315906	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 706192	7093 1019959	17793 2176709	182176	419856	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 1226995	12681 1722501	31451 3412936	327627	741689	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 501739	4885 706101	13431 1470356	139587	308880	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 938370	9421 1348354	22457 2863537	247947	560835	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 470735	4200 672909	11018 1470768	121634	281292	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 738944	5944 1064062	15392 2267731	189847	440060	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 750962	4600 1083437	13770 2341045	187895	444700	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 1451874	12986 2030591	34913 3838756	395231	889835	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 712414	6720 1008505	17454 2093401	192364	436026	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 1731327	17257 2365047	44036 4146137	486624	1084681	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 646113	+++++ 905747	16607 1870480	180298	398624	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 684024	+++++ 954887	17654 1961681	192981	427132	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 1530126	14134 2116938	36440 3862979	407457	932747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 1358064	13910 1888502	34345 3510235	376216	845305	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 1310886	11537 1830212	31160 3415805	360127	806326	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 624137	4651 894909	11584 1943447	159398	363709	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 1261087	11137 1766290	28968 3401262	346534	774425	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24405-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 1336236	11609 1848731	30725 3405274	373970	832616	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 1756219	16389 2398224	42530 4146696	506822	1102027	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 1620453	13422 2237091	36999 3919738	452459	1003650	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 918524	8750 1332710	20236 2709507	237420	553552	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 921608	8964 1330927	19669 2667489	239324	550653	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1165178	10326 1640819	25675 3054910	313664	719550	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 1539054	14687 2103881	36861 3662468	434249	962270	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 804293	+++++ 1125067	+++++ 2207990	235303	509676	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 864064	7582 1254124	18818 2580806	224145	521924	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 845334	+++++ 1207984	+++++ 2297931	227378	547913	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 790334	+++++ 1202463	15176 2469176	176509	480984	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 843847	6357 1240469	16544 2604839	213068	515033	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 1499234	+++++ 2286906	29885 4045141	320828	939044	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 730923	5387 1117189	13584 2319399	156880	448898	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24409-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-76115/3	9029_003.D
Level 2	IC 200-76115/4	9029_004.D
Level 3	IC 200-76115/5	9029_005.D
Level 4	IC 200-76115/6	9029_006.D
Level 5	ICIS 200-76115/7	9029_007.D
Level 6	IC 200-76115/8	9029_008.D
Level 7	IC 200-76115/9	9029_009.D
Level 8	IC 200-76115/10	9029_010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5690	+++++ 0.5367	0.6765 0.4831	0.5776	0.5884	Ave		0.5719				11.0		30.0			
Dichlorodifluoromethane	+++++ 3.8393	+++++ 3.6152	4.0781 2.9225	4.1984	4.1001	Ave		3.7923				13.0		30.0			
Freon 22	+++++ 1.6769	+++++ 1.6077	1.7649 1.4143	1.7797	1.7525	Ave		1.6660				8.4		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.2859	2.8898 3.1930	3.3076 2.7677	3.3586	3.4118	Ave		3.1735				7.8		30.0			
Chloromethane	+++++ 0.7940	+++++ 0.7645	0.8467 0.6918	0.7894	0.8077	Ave		0.7823				6.6		30.0			
n-Butane	+++++ 1.2215	+++++ 1.1884	1.2543 1.0810	1.2188	1.2606	Ave		1.2041				5.5		30.0			
Vinyl chloride	1.0037 1.0389	0.8908 1.0351	1.0324 0.9543	1.0013	1.0510	Ave		1.0009				5.4		30.0			
1,3-Butadiene	+++++ 0.7283	0.5159 0.7118	0.6742 0.6657	0.6941	0.7321	Ave		0.6746				11.0		30.0			
Bromomethane	+++++ 1.0720	1.0341 1.0651	1.0874 0.9901	1.0900	1.0930	Ave		1.0617				3.5		30.0			
Chloroethane	+++++ 0.4586	+++++ 0.4579	0.4908 0.4381	0.4552	0.4718	Ave		0.4621				3.8		30.0			
Isopentane	+++++ 0.7621	1.1097 0.7594	0.9306 0.6996	0.8044	0.7908	Ave		0.8366				17.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.0158	0.9948 0.9906	1.0220 0.9196	1.0743	1.0625	Ave		1.0114				5.1		30.0			
Trichlorofluoromethane	+++++ 3.4364	3.2251 3.3095	3.7380 2.9684	3.7987	3.6642	Ave		3.4486				8.8		30.0			
n-Pentane	+++++ 1.0747	+++++ 1.0531	1.1283 0.9752	1.1188	1.1301	Ave		1.0800				5.6		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24409-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.2351	+++++ 0.2103	0.2211 0.1884	0.2420	0.2008	Ave		0.2163				9.5		30.0			
Ethyl ether	+++++ 0.5407	0.4063 0.5365	0.5512 0.5101	0.5601	0.5645	Ave		0.5242				10.0		30.0			
Acrolein	+++++ 0.2258	+++++ 0.2295	+++++ 0.2264	0.2313	0.2380	Ave		0.2302				2.1		30.0			
Freon TF	+++++ 2.0496	1.8478 2.0144	2.1030 1.8939	2.1641	2.1407	Ave		2.0305				6.0		30.0			
1,1-Dichloroethene	+++++ 0.9254	0.7797 0.9131	0.9098 0.8792	0.9450	0.9355	Ave		0.8983				6.3		30.0			
Acetone	+++++ 1.3752	+++++ 1.3140	+++++ 1.1553	1.4766	1.5224	Ave		1.3687				11.0		30.0			
Carbon disulfide	+++++ 2.3187	+++++ 2.3174	2.3879 2.1282	2.4303	2.4156	Ave		2.3330				4.8		30.0			
Isopropyl alcohol	+++++ 1.0258	+++++ 0.8735	+++++ 0.8343	1.0848	0.8481	Ave		0.9333				12.0		30.0			
3-Chloropropene	+++++ 0.8682	0.7525 0.8343	0.8835 0.7811	0.9199	0.8977	Ave		0.8482				7.3		30.0			
Acetonitrile	+++++ 0.4637	+++++ 0.4336	+++++ 0.4120	0.4930	0.4528	Ave		0.4510				6.8		30.0			
Methylene Chloride	+++++ 0.8878	+++++ 0.8733	1.1108 0.8003	0.9728	0.9414	Ave		0.9311				11.0		30.0			
tert-Butyl alcohol	+++++ 1.9191	+++++ 1.7050	+++++ 1.6446	2.0030	1.7084	Ave		1.7960				8.7		30.0			
Methyl tert-butyl ether	+++++ 3.0111	2.6653 2.9482	3.0397 2.7135	3.1321	3.1139	Ave		2.9462				6.3		30.0			
trans-1,2-Dichloroethene	+++++ 1.3510	1.1679 1.3251	1.3882 1.2412	1.4202	1.4084	Ave		1.3288				7.0		30.0			
Acrylonitrile	+++++ 0.5167	+++++ 0.5021	0.4554 0.4813	0.5294	0.5178	Ave		0.5004				5.5		30.0			
n-Hexane	+++++ 1.1381	0.8980 1.1146	1.1958 1.0444	1.1755	1.1813	Ave		1.1068				9.5		30.0			
1,1-Dichloroethane	1.3561 1.6814	1.5126 1.6483	1.7262 1.5337	1.7643	1.7246	Ave		1.6184				8.6		30.0			
Vinyl acetate	+++++ 1.9753	+++++ 1.9253	+++++ 1.7878	2.0572	2.0768	Ave		1.9645				5.9		30.0			
cis-1,2-Dichloroethene	+++++ 1.0532	0.9876 1.0314	1.0586 0.9882	1.0537	1.0633	Ave		1.0337				3.2		30.0			
Methyl Ethyl Ketone	+++++ 0.4425	+++++ 0.4189	0.4209 0.4062	0.4386	0.4275	Ave		0.4258				3.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24409-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0790	+++++ 0.0773	+++++ 0.0743	0.0796	0.0772	Ave		0.0775				2.6		30.0			
Tetrahydrofuran	+++++ 0.1683	+++++ 0.1603	+++++ 0.1516	0.1782	0.1737	Ave		0.1664				6.4		30.0			
Chloroform	+++++ 2.5616	2.3078 2.4809	2.5526 2.2902	2.6545	2.6354	Ave		2.4976				5.9		30.0			
Cyclohexane	+++++ 0.2727	0.2266 0.2692	0.2743 0.2618	0.2717	0.2781	Ave		0.2649				6.7		30.0			
1,1,1-Trichloroethane	+++++ 0.6772	0.6215 0.6540	0.6905 0.6035	0.7162	0.7142	Ave		0.6682				6.6		30.0			
Carbon tetrachloride	0.6560 0.7465	0.6227 0.7239	0.7366 0.6678	0.7887	0.7862	Ave		0.7160				8.6		30.0			
2,2,4-Trimethylpentane	+++++ 0.8606	0.7934 0.8397	0.8733 0.7818	0.8890	0.8966	Ave		0.8478				5.3		30.0			
Benzene	+++++ 0.5996	0.5517 0.5885	0.5997 0.5610	0.6090	0.6190	Ave		0.5898				4.2		30.0			
1,2-Dichloroethane	+++++ 0.4388	0.4076 0.4258	0.4494 0.3927	0.4797	0.4699	Ave		0.4377				7.2		30.0			
n-Heptane	+++++ 0.3018	0.2797 0.2930	0.3124 0.2727	0.3191	0.3223	Ave		0.3001				6.4		30.0			
n-Butanol	+++++ 0.1009	+++++ 0.0870	+++++ 0.0870	0.1025	0.0829	Ave		0.0921				9.8		30.0			
Trichloroethene	0.2250 0.3377	0.2898 0.3350	0.3232 0.3228	0.3361	0.3438	Ave		0.3142				13.0		30.0			
1,2-Dichloropropane	+++++ 0.2260	0.1964 0.2228	0.2291 0.2130	0.2313	0.2336	Ave		0.2217				5.9		30.0			
Methyl methacrylate	+++++ 0.2379	+++++ 0.2345	0.1986 0.2249	0.2314	0.2380	Ave		0.2275				6.6		30.0			
1,4-Dioxane	+++++ 0.1053	+++++ 0.0873	+++++ 0.0918	0.1087	0.0825	Ave		0.0951				12.0		30.0			
Dibromomethane	+++++ 0.3154	0.2410 0.3167	0.2806 0.3181	0.2984	0.3136	Ave		0.2977				9.6		30.0			
Bromodichloromethane	+++++ 0.7014	0.5773 0.6879	0.6309 0.6445	0.7117	0.7289	Ave		0.6689				8.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4278	0.3423 0.4237	0.3648 0.4014	0.4257	0.4351	Ave		0.4030				8.9		30.0			
methyl isobutyl ketone	+++++ 0.4963	+++++ 0.4746	0.4741 0.4407	0.5355	0.5396	Ave		0.4935				7.8		30.0			
Toluene	+++++ 0.4815	0.4320 0.4807	0.4931 0.4526	0.4903	0.4933	Ave		0.4748				5.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24409-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.4763	0.4239 0.4557	0.4918 0.4180	0.5169	0.5133	Ave		0.4709				8.5		30.0			
trans-1,3-Dichloropropene	+++++ 0.5138	0.4019 0.5067	0.4488 0.4781	0.5085	0.5319	Ave		0.4842				9.4		30.0			
1,1,2-Trichloroethane	+++++ 0.2524	0.2309 0.2509	0.2526 0.2398	0.2574	0.2596	Ave		0.2491				4.1		30.0			
Tetrachloroethene	0.4411 0.4605	0.3930 0.4673	0.4334 0.4597	0.4533	0.4622	Ave		0.4463				5.5		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4976	+++++ 0.4710	0.5057 0.4254	0.5611	0.5307	Ave		0.4986				9.5		30.0			
Dibromochloromethane	+++++ 0.6953	0.4903 0.6952	0.5430 0.6567	0.6783	0.6992	Ave		0.6368				13.0		30.0			
1,2-Dibromoethane	+++++ 0.5191	0.4100 0.5169	0.4734 0.4980	0.5129	0.5261	Ave		0.4938				8.3		30.0			
Chlorobenzene	+++++ 0.6884	0.6212 0.6896	0.6708 0.6512	0.6847	0.6992	Ave		0.6722				4.1		30.0			
Ethylbenzene	+++++ 1.1961	1.1106 1.1646	1.1857 1.0211	1.2315	1.2351	Ave		1.1635				6.5		30.0			
n-Nonane	+++++ 0.4891	0.4278 0.4774	0.5063 0.4399	0.5247	0.5144	Ave		0.4828				7.7		30.0			
m,p-Xylene	+++++ 0.4574	0.4125 0.4558	0.4233 0.4284	0.4660	0.4670	Ave		0.4443				5.0		30.0			
Xylene, o-	+++++ 0.4589	0.3678 0.4550	0.4154 0.4400	0.4572	0.4684	Ave		0.4375				8.1		30.0			
Styrene	+++++ 0.7203	0.5206 0.7194	0.5803 0.6784	0.7136	0.7328	Ave		0.6665				12.0		30.0			
Bromoform	+++++ 0.7320	0.4029 0.7325	0.5191 0.7004	0.7062	0.7406	Ave		0.6477				20.0		30.0			
Cumene	+++++ 1.4153	1.1373 1.3729	1.3162 1.1485	1.4856	1.4818	Ave		1.3368				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6944	0.5885 0.6819	0.6580 0.6263	0.7230	0.7261	Ave		0.6712				7.5		30.0			
n-Propylbenzene	+++++ 1.6877	1.5114 1.5991	1.6601 1.2404	1.8291	1.8063	Ave		1.6191				12.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6298	+++++ 0.6124	0.6261 0.5596	0.6777	0.6638	Ave		0.6282				6.6		30.0			
n-Decane	+++++ 0.6668	+++++ 0.6456	0.6655 0.5869	0.7254	0.7113	Ave		0.6669				7.4		30.0			
4-Ethyltoluene	+++++ 1.4915	1.2378 1.4313	1.3737 1.1557	1.5315	1.5533	Ave		1.3964				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24409-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.3238	1.2182 1.2769	1.2948 1.0502	1.4141	1.4077	Ave		1.2837				9.7		30.0			
1,3,5-Trimethylbenzene	+++++ 1.2778	1.0104 1.2375	1.1747 1.0219	1.3536	1.3428	Ave		1.2027				12.0		30.0			
Alpha Methyl Styrene	+++++ 0.6084	0.4073 0.6051	0.4367 0.5814	0.5991	0.6057	Ave		0.5491				16.0		30.0			
tert-Butylbenzene	+++++ 1.2293	0.9754 1.1942	1.0921 1.0176	1.3025	1.2896	Ave		1.1572				11.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.3025	1.0167 1.2500	1.1583 1.0188	1.4056	1.3865	Ave		1.2198				13.0		30.0			
sec-Butylbenzene	+++++ 1.7119	1.4353 1.6215	1.6033 1.2406	1.9050	1.8352	Ave		1.6218				14.0		30.0			
4-Isopropyltoluene	+++++ 1.5796	1.1755 1.5126	1.3948 1.1727	1.7007	1.6714	Ave		1.4582				15.0		30.0			
1,3-Dichlorobenzene	+++++ 0.8954	0.7663 0.9011	0.7629 0.8106	0.8924	0.9218	Ave		0.8501				8.0		30.0			
1,4-Dichlorobenzene	+++++ 0.8984	0.7851 0.8999	0.7415 0.7980	0.8995	0.9170	Ave		0.8485				8.4		30.0			
Benzyl chloride	+++++ 1.1358	0.9043 1.1094	0.9679 0.9140	1.1790	1.1983	Ave		1.0584				12.0		30.0			
n-Butylbenzene	+++++ 1.5002	1.2863 1.4225	1.3896 1.0957	1.6322	1.6025	Ave		1.4184				13.0		30.0			
n-Undecane	+++++ 0.7840	+++++ 0.7607	+++++ 0.6606	0.8844	0.8488	Ave		0.7877				11.0		30.0			
1,2-Dichlorobenzene	+++++ 0.8423	0.6640 0.8480	0.7094 0.7721	0.8425	0.8692	Ave		0.7925				10.0		30.0			
n-Dodecane	+++++ 0.8240	+++++ 0.8168	+++++ 0.6875	0.8546	0.9124	Ave		0.8191				10.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7704	+++++ 0.8130	0.5721 0.7387	0.6634	0.8010	Ave		0.7264				13.0		30.0			
Hexachlorobutadiene	+++++ 0.8226	0.5567 0.8387	0.6237 0.7793	0.8009	0.8577	Ave		0.7542				15.0		30.0			
Naphthalene	+++++ 1.4614	+++++ 1.5462	1.1266 1.2102	1.2059	1.5638	Ave		1.3524				14.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.7125	0.4718 0.7554	0.5121 0.6939	0.5897	0.7475	Ave		0.6404				18.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24409-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-76115/3	9029_003.D
Level 2	IC 200-76115/4	9029_004.D
Level 3	IC 200-76115/5	9029_005.D
Level 4	IC 200-76115/6	9029_006.D
Level 5	ICIS 200-76115/7	9029_007.D
Level 6	IC 200-76115/8	9029_008.D
Level 7	IC 200-76115/9	9029_009.D
Level 8	IC 200-76115/10	9029_010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 124694	+++++ 168621	4161 336660	34576	76733	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 841313	+++++ 1135832	25083 2036756	251338	534687	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 367466	+++++ 505125	10855 985667	106539	228537	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 720036	7646 1003178	20344 1928871	201061	444917	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 173983	+++++ 240200	5208 482138	47255	105324	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 267676	+++++ 373372	7715 753408	72962	164389	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	601 227646	2357 325206	6350 665079	59945	137062	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 159603	1365 223646	4147 463975	41552	95475	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 234917	2736 334629	6688 690016	65254	142540	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 100491	+++++ 143861	3019 305314	27249	61529	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 166996	2936 238586	5724 487575	48155	103121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 222592	2632 311240	6286 640924	64315	138555	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 753014	8533 1039800	22991 2068774	227408	477830	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 235505	+++++ 330876	6940 679628	66977	147374	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 68845	+++++ 132185	13615 328230	28997	39291	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24409-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 118494	1075 168556	3390 355497	33532	73620	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 49469	+++++ 72116	+++++ 157813	13849	31043	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 449132	4889 632880	12935 1319893	129556	279162	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 202785	2063 286872	5596 612737	56575	121999	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 301356	+++++ 412839	+++++ 805132	88399	198531	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 508094	+++++ 728098	14687 1483174	145488	315007	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 224776	+++++ 274449	+++++ 581469	64942	110594	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 190243	1991 262133	5434 544348	55070	117068	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 101609	+++++ 136242	+++++ 287166	29511	59044	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 194552	+++++ 274388	6832 557769	58239	122759	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 420540	+++++ 535673	+++++ 1146168	119908	222789	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 659819	7052 926277	18696 1891095	187504	406067	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 296041	3090 416311	8538 865015	85020	183670	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 113216	+++++ 157761	2801 335403	31690	67519	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 249384	2376 350179	7355 727848	70374	154049	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	812 368442	4002 517873	10617 1068878	105620	224895	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 432846	+++++ 604908	+++++ 1245975	123154	270825	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 230779	2613 324058	6511 688668	63078	138667	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 96965	+++++ 131612	2589 283121	26259	55747	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 17322	+++++ 24290	+++++ 51811	4764	10069	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 170227	+++++ 233376	+++++ 487608	48591	102822	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24409-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 561319	6106 779452	15700 1596086	158911	343673	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 275879	2754 391855	7651 842035	74064	164568	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 684972	7555 952113	19262 1941230	195258	422701	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1805 755072	7570 1053824	20550 2147772	215008	465262	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 870475	9645 1222425	24364 2514439	242359	530591	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 606507	6706 856773	16731 1804508	166022	366351	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 443821	4955 619849	12536 1262979	130772	278098	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 305325	3400 426538	8714 876958	87005	190734	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 102108	+++++ 126726	+++++ 279738	27954	49051	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	619 341575	3523 487640	9015 1038245	91636	203463	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 228589	2388 324329	6390 684963	63069	138267	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 240689	+++++ 341406	5539 723400	63083	140841	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 106506	+++++ 127026	+++++ 295364	29628	48802	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 319042	2929 461019	7827 1023225	81353	185597	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 709508	7018 1001476	17600 2072871	194013	431342	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 432780	4161 616851	10177 1290966	116052	257501	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 501973	+++++ 690982	13225 1417461	145989	319343	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 493972	4933 710925	13081 1512707	130451	296198	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 481809	5153 663484	13719 1344468	140925	303797	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 519689	4885 737723	12521 1537839	138622	314798	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 258965	2637 371136	6700 801653	68470	155897	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24409-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	1150 472440	4487 691072	11497 1536401	120602	277569	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 510510	+++++ 696634	13415 1421791	149274	318670	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 713264	5598 1028135	14404 2195074	180457	419885	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 532502	4682 764432	12558 1664734	136445	315906	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 706192	7093 1019959	17793 2176709	182176	419856	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 1226995	12681 1722501	31451 3412936	327627	741689	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 501739	4885 706101	13431 1470356	139587	308880	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 938370	9421 1348354	22457 2863537	247947	560835	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 470735	4200 672909	11018 1470768	121634	281292	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 738944	5944 1064062	15392 2267731	189847	440060	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 750962	4600 1083437	13770 2341045	187895	444700	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 1451874	12986 2030591	34913 3838756	395231	889835	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 712414	6720 1008505	17454 2093401	192364	436026	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 1731327	17257 2365047	44036 4146137	486624	1084681	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 646113	+++++ 905747	16607 1870480	180298	398624	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 684024	+++++ 954887	17654 1961681	192981	427132	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 1530126	14134 2116938	36440 3862979	407457	932747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 1358064	13910 1888502	34345 3510235	376216	845305	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 1310886	11537 1830212	31160 3415805	360127	806326	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 624137	4651 894909	11584 1943447	159398	363709	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 1261087	11137 1766290	28968 3401262	346534	774425	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24409-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 1336236	11609 1848731	30725 3405274	373970	832616	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 1756219	16389 2398224	42530 4146696	506822	1102027	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 1620453	13422 2237091	36999 3919738	452459	1003650	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 918524	8750 1332710	20236 2709507	237420	553552	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 921608	8964 1330927	19669 2667489	239324	550653	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1165178	10326 1640819	25675 3054910	313664	719550	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 1539054	14687 2103881	36861 3662468	434249	962270	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 804293	+++++ 1125067	+++++ 2207990	235303	509676	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 864064	7582 1254124	18818 2580806	224145	521924	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 845334	+++++ 1207984	+++++ 2297931	227378	547913	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 790334	+++++ 1202463	15176 2469176	176509	480984	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 843847	6357 1240469	16544 2604839	213068	515033	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 1499234	+++++ 2286906	29885 4045141	320828	939044	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 730923	5387 1117189	13584 2319399	156880	448898	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24410-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-76115/3	9029_003.D
Level 2	IC 200-76115/4	9029_004.D
Level 3	IC 200-76115/5	9029_005.D
Level 4	IC 200-76115/6	9029_006.D
Level 5	ICIS 200-76115/7	9029_007.D
Level 6	IC 200-76115/8	9029_008.D
Level 7	IC 200-76115/9	9029_009.D
Level 8	IC 200-76115/10	9029_010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5690	+++++ 0.5367	0.6765 0.4831	0.5776	0.5884	Ave		0.5719				11.0		30.0			
Dichlorodifluoromethane	+++++ 3.8393	+++++ 3.6152	4.0781 2.9225	4.1984	4.1001	Ave		3.7923				13.0		30.0			
Freon 22	+++++ 1.6769	+++++ 1.6077	1.7649 1.4143	1.7797	1.7525	Ave		1.6660				8.4		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.2859	2.8898 3.1930	3.3076 2.7677	3.3586	3.4118	Ave		3.1735				7.8		30.0			
Chloromethane	+++++ 0.7940	+++++ 0.7645	0.8467 0.6918	0.7894	0.8077	Ave		0.7823				6.6		30.0			
n-Butane	+++++ 1.2215	+++++ 1.1884	1.2543 1.0810	1.2188	1.2606	Ave		1.2041				5.5		30.0			
Vinyl chloride	1.0037 1.0389	0.8908 1.0351	1.0324 0.9543	1.0013	1.0510	Ave		1.0009				5.4		30.0			
1,3-Butadiene	+++++ 0.7283	0.5159 0.7118	0.6742 0.6657	0.6941	0.7321	Ave		0.6746				11.0		30.0			
Bromomethane	+++++ 1.0720	1.0341 1.0651	1.0874 0.9901	1.0900	1.0930	Ave		1.0617				3.5		30.0			
Chloroethane	+++++ 0.4586	+++++ 0.4579	0.4908 0.4381	0.4552	0.4718	Ave		0.4621				3.8		30.0			
Isopentane	+++++ 0.7621	1.1097 0.7594	0.9306 0.6996	0.8044	0.7908	Ave		0.8366				17.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.0158	0.9948 0.9906	1.0220 0.9196	1.0743	1.0625	Ave		1.0114				5.1		30.0			
Trichlorofluoromethane	+++++ 3.4364	3.2251 3.3095	3.7380 2.9684	3.7987	3.6642	Ave		3.4486				8.8		30.0			
n-Pentane	+++++ 1.0747	+++++ 1.0531	1.1283 0.9752	1.1188	1.1301	Ave		1.0800				5.6		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24410-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.2351	+++++ 0.2103	0.2211 0.1884	0.2420	0.2008	Ave		0.2163				9.5		30.0			
Ethyl ether	+++++ 0.5407	0.4063 0.5365	0.5512 0.5101	0.5601	0.5645	Ave		0.5242				10.0		30.0			
Acrolein	+++++ 0.2258	+++++ 0.2295	+++++ 0.2264	0.2313	0.2380	Ave		0.2302				2.1		30.0			
Freon TF	+++++ 2.0496	1.8478 2.0144	2.1030 1.8939	2.1641	2.1407	Ave		2.0305				6.0		30.0			
1,1-Dichloroethene	+++++ 0.9254	0.7797 0.9131	0.9098 0.8792	0.9450	0.9355	Ave		0.8983				6.3		30.0			
Acetone	+++++ 1.3752	+++++ 1.3140	+++++ 1.1553	1.4766	1.5224	Ave		1.3687				11.0		30.0			
Carbon disulfide	+++++ 2.3187	+++++ 2.3174	2.3879 2.1282	2.4303	2.4156	Ave		2.3330				4.8		30.0			
Isopropyl alcohol	+++++ 1.0258	+++++ 0.8735	+++++ 0.8343	1.0848	0.8481	Ave		0.9333				12.0		30.0			
3-Chloropropene	+++++ 0.8682	0.7525 0.8343	0.8835 0.7811	0.9199	0.8977	Ave		0.8482				7.3		30.0			
Acetonitrile	+++++ 0.4637	+++++ 0.4336	+++++ 0.4120	0.4930	0.4528	Ave		0.4510				6.8		30.0			
Methylene Chloride	+++++ 0.8878	+++++ 0.8733	1.1108 0.8003	0.9728	0.9414	Ave		0.9311				11.0		30.0			
tert-Butyl alcohol	+++++ 1.9191	+++++ 1.7050	+++++ 1.6446	2.0030	1.7084	Ave		1.7960				8.7		30.0			
Methyl tert-butyl ether	+++++ 3.0111	2.6653 2.9482	3.0397 2.7135	3.1321	3.1139	Ave		2.9462				6.3		30.0			
trans-1,2-Dichloroethene	+++++ 1.3510	1.1679 1.3251	1.3882 1.2412	1.4202	1.4084	Ave		1.3288				7.0		30.0			
Acrylonitrile	+++++ 0.5167	+++++ 0.5021	0.4554 0.4813	0.5294	0.5178	Ave		0.5004				5.5		30.0			
n-Hexane	+++++ 1.1381	0.8980 1.1146	1.1958 1.0444	1.1755	1.1813	Ave		1.1068				9.5		30.0			
1,1-Dichloroethane	1.3561 1.6814	1.5126 1.6483	1.7262 1.5337	1.7643	1.7246	Ave		1.6184				8.6		30.0			
Vinyl acetate	+++++ 1.9753	+++++ 1.9253	+++++ 1.7878	2.0572	2.0768	Ave		1.9645				5.9		30.0			
cis-1,2-Dichloroethene	+++++ 1.0532	0.9876 1.0314	1.0586 0.9882	1.0537	1.0633	Ave		1.0337				3.2		30.0			
Methyl Ethyl Ketone	+++++ 0.4425	+++++ 0.4189	0.4209 0.4062	0.4386	0.4275	Ave		0.4258				3.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24410-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0790	+++++ 0.0773	+++++ 0.0743	0.0796	0.0772	Ave		0.0775				2.6		30.0			
Tetrahydrofuran	+++++ 0.1683	+++++ 0.1603	+++++ 0.1516	0.1782	0.1737	Ave		0.1664				6.4		30.0			
Chloroform	+++++ 2.5616	2.3078 2.4809	2.5526 2.2902	2.6545	2.6354	Ave		2.4976				5.9		30.0			
Cyclohexane	+++++ 0.2727	0.2266 0.2692	0.2743 0.2618	0.2717	0.2781	Ave		0.2649				6.7		30.0			
1,1,1-Trichloroethane	+++++ 0.6772	0.6215 0.6540	0.6905 0.6035	0.7162	0.7142	Ave		0.6682				6.6		30.0			
Carbon tetrachloride	0.6560 0.7465	0.6227 0.7239	0.7366 0.6678	0.7887	0.7862	Ave		0.7160				8.6		30.0			
2,2,4-Trimethylpentane	+++++ 0.8606	0.7934 0.8397	0.8733 0.7818	0.8890	0.8966	Ave		0.8478				5.3		30.0			
Benzene	+++++ 0.5996	0.5517 0.5885	0.5997 0.5610	0.6090	0.6190	Ave		0.5898				4.2		30.0			
1,2-Dichloroethane	+++++ 0.4388	0.4076 0.4258	0.4494 0.3927	0.4797	0.4699	Ave		0.4377				7.2		30.0			
n-Heptane	+++++ 0.3018	0.2797 0.2930	0.3124 0.2727	0.3191	0.3223	Ave		0.3001				6.4		30.0			
n-Butanol	+++++ 0.1009	+++++ 0.0870	+++++ 0.0870	0.1025	0.0829	Ave		0.0921				9.8		30.0			
Trichloroethene	0.2250 0.3377	0.2898 0.3350	0.3232 0.3228	0.3361	0.3438	Ave		0.3142				13.0		30.0			
1,2-Dichloropropane	+++++ 0.2260	0.1964 0.2228	0.2291 0.2130	0.2313	0.2336	Ave		0.2217				5.9		30.0			
Methyl methacrylate	+++++ 0.2379	+++++ 0.2345	0.1986 0.2249	0.2314	0.2380	Ave		0.2275				6.6		30.0			
1,4-Dioxane	+++++ 0.1053	+++++ 0.0873	+++++ 0.0918	0.1087	0.0825	Ave		0.0951				12.0		30.0			
Dibromomethane	+++++ 0.3154	0.2410 0.3167	0.2806 0.3181	0.2984	0.3136	Ave		0.2977				9.6		30.0			
Bromodichloromethane	+++++ 0.7014	0.5773 0.6879	0.6309 0.6445	0.7117	0.7289	Ave		0.6689				8.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4278	0.3423 0.4237	0.3648 0.4014	0.4257	0.4351	Ave		0.4030				8.9		30.0			
methyl isobutyl ketone	+++++ 0.4963	+++++ 0.4746	0.4741 0.4407	0.5355	0.5396	Ave		0.4935				7.8		30.0			
Toluene	+++++ 0.4815	0.4320 0.4807	0.4931 0.4526	0.4903	0.4933	Ave		0.4748				5.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24410-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.4763	0.4239 0.4557	0.4918 0.4180	0.5169	0.5133	Ave		0.4709				8.5		30.0			
trans-1,3-Dichloropropene	+++++ 0.5138	0.4019 0.5067	0.4488 0.4781	0.5085	0.5319	Ave		0.4842				9.4		30.0			
1,1,2-Trichloroethane	+++++ 0.2524	0.2309 0.2509	0.2526 0.2398	0.2574	0.2596	Ave		0.2491				4.1		30.0			
Tetrachloroethene	0.4411 0.4605	0.3930 0.4673	0.4334 0.4597	0.4533	0.4622	Ave		0.4463				5.5		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4976	+++++ 0.4710	0.5057 0.4254	0.5611	0.5307	Ave		0.4986				9.5		30.0			
Dibromochloromethane	+++++ 0.6953	0.4903 0.6952	0.5430 0.6567	0.6783	0.6992	Ave		0.6368				13.0		30.0			
1,2-Dibromoethane	+++++ 0.5191	0.4100 0.5169	0.4734 0.4980	0.5129	0.5261	Ave		0.4938				8.3		30.0			
Chlorobenzene	+++++ 0.6884	0.6212 0.6896	0.6708 0.6512	0.6847	0.6992	Ave		0.6722				4.1		30.0			
Ethylbenzene	+++++ 1.1961	1.1106 1.1646	1.1857 1.0211	1.2315	1.2351	Ave		1.1635				6.5		30.0			
n-Nonane	+++++ 0.4891	0.4278 0.4774	0.5063 0.4399	0.5247	0.5144	Ave		0.4828				7.7		30.0			
m,p-Xylene	+++++ 0.4574	0.4125 0.4558	0.4233 0.4284	0.4660	0.4670	Ave		0.4443				5.0		30.0			
Xylene, o-	+++++ 0.4589	0.3678 0.4550	0.4154 0.4400	0.4572	0.4684	Ave		0.4375				8.1		30.0			
Styrene	+++++ 0.7203	0.5206 0.7194	0.5803 0.6784	0.7136	0.7328	Ave		0.6665				12.0		30.0			
Bromoform	+++++ 0.7320	0.4029 0.7325	0.5191 0.7004	0.7062	0.7406	Ave		0.6477				20.0		30.0			
Cumene	+++++ 1.4153	1.1373 1.3729	1.3162 1.1485	1.4856	1.4818	Ave		1.3368				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6944	0.5885 0.6819	0.6580 0.6263	0.7230	0.7261	Ave		0.6712				7.5		30.0			
n-Propylbenzene	+++++ 1.6877	1.5114 1.5991	1.6601 1.2404	1.8291	1.8063	Ave		1.6191				12.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6298	+++++ 0.6124	0.6261 0.5596	0.6777	0.6638	Ave		0.6282				6.6		30.0			
n-Decane	+++++ 0.6668	+++++ 0.6456	0.6655 0.5869	0.7254	0.7113	Ave		0.6669				7.4		30.0			
4-Ethyltoluene	+++++ 1.4915	1.2378 1.4313	1.3737 1.1557	1.5315	1.5533	Ave		1.3964				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24410-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.3238	1.2182 1.2769	1.2948 1.0502	1.4141	1.4077	Ave		1.2837				9.7		30.0			
1,3,5-Trimethylbenzene	+++++ 1.2778	1.0104 1.2375	1.1747 1.0219	1.3536	1.3428	Ave		1.2027				12.0		30.0			
Alpha Methyl Styrene	+++++ 0.6084	0.4073 0.6051	0.4367 0.5814	0.5991	0.6057	Ave		0.5491				16.0		30.0			
tert-Butylbenzene	+++++ 1.2293	0.9754 1.1942	1.0921 1.0176	1.3025	1.2896	Ave		1.1572				11.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.3025	1.0167 1.2500	1.1583 1.0188	1.4056	1.3865	Ave		1.2198				13.0		30.0			
sec-Butylbenzene	+++++ 1.7119	1.4353 1.6215	1.6033 1.2406	1.9050	1.8352	Ave		1.6218				14.0		30.0			
4-Isopropyltoluene	+++++ 1.5796	1.1755 1.5126	1.3948 1.1727	1.7007	1.6714	Ave		1.4582				15.0		30.0			
1,3-Dichlorobenzene	+++++ 0.8954	0.7663 0.9011	0.7629 0.8106	0.8924	0.9218	Ave		0.8501				8.0		30.0			
1,4-Dichlorobenzene	+++++ 0.8984	0.7851 0.8999	0.7415 0.7980	0.8995	0.9170	Ave		0.8485				8.4		30.0			
Benzyl chloride	+++++ 1.1358	0.9043 1.1094	0.9679 0.9140	1.1790	1.1983	Ave		1.0584				12.0		30.0			
n-Butylbenzene	+++++ 1.5002	1.2863 1.4225	1.3896 1.0957	1.6322	1.6025	Ave		1.4184				13.0		30.0			
n-Undecane	+++++ 0.7840	+++++ 0.7607	+++++ 0.6606	0.8844	0.8488	Ave		0.7877				11.0		30.0			
1,2-Dichlorobenzene	+++++ 0.8423	0.6640 0.8480	0.7094 0.7721	0.8425	0.8692	Ave		0.7925				10.0		30.0			
n-Dodecane	+++++ 0.8240	+++++ 0.8168	+++++ 0.6875	0.8546	0.9124	Ave		0.8191				10.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7704	+++++ 0.8130	0.5721 0.7387	0.6634	0.8010	Ave		0.7264				13.0		30.0			
Hexachlorobutadiene	+++++ 0.8226	0.5567 0.8387	0.6237 0.7793	0.8009	0.8577	Ave		0.7542				15.0		30.0			
Naphthalene	+++++ 1.4614	+++++ 1.5462	1.1266 1.2102	1.2059	1.5638	Ave		1.3524				14.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.7125	0.4718 0.7554	0.5121 0.6939	0.5897	0.7475	Ave		0.6404				18.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24410-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-76115/3	9029_003.D
Level 2	IC 200-76115/4	9029_004.D
Level 3	IC 200-76115/5	9029_005.D
Level 4	IC 200-76115/6	9029_006.D
Level 5	ICIS 200-76115/7	9029_007.D
Level 6	IC 200-76115/8	9029_008.D
Level 7	IC 200-76115/9	9029_009.D
Level 8	IC 200-76115/10	9029_010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 124694	+++++ 168621	4161 336660	34576	76733	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 841313	+++++ 1135832	25083 2036756	251338	534687	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 367466	+++++ 505125	10855 985667	106539	228537	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 720036	7646 1003178	20344 1928871	201061	444917	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 173983	+++++ 240200	5208 482138	47255	105324	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 267676	+++++ 373372	7715 753408	72962	164389	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	601 227646	2357 325206	6350 665079	59945	137062	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 159603	1365 223646	4147 463975	41552	95475	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 234917	2736 334629	6688 690016	65254	142540	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 100491	+++++ 143861	3019 305314	27249	61529	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 166996	2936 238586	5724 487575	48155	103121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 222592	2632 311240	6286 640924	64315	138555	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 753014	8533 1039800	22991 2068774	227408	477830	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 235505	+++++ 330876	6940 679628	66977	147374	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 68845	+++++ 132185	13615 328230	28997	39291	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24410-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 118494	1075 168556	3390 355497	33532	73620	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 49469	+++++ 72116	+++++ 157813	13849	31043	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 449132	4889 632880	12935 1319893	129556	279162	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 202785	2063 286872	5596 612737	56575	121999	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 301356	+++++ 412839	+++++ 805132	88399	198531	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 508094	+++++ 728098	14687 1483174	145488	315007	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 224776	+++++ 274449	+++++ 581469	64942	110594	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 190243	1991 262133	5434 544348	55070	117068	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 101609	+++++ 136242	+++++ 287166	29511	59044	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 194552	+++++ 274388	6832 557769	58239	122759	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 420540	+++++ 535673	+++++ 1146168	119908	222789	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 659819	7052 926277	18696 1891095	187504	406067	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 296041	3090 416311	8538 865015	85020	183670	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 113216	+++++ 157761	2801 335403	31690	67519	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 249384	2376 350179	7355 727848	70374	154049	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	812 368442	4002 517873	10617 1068878	105620	224895	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 432846	+++++ 604908	+++++ 1245975	123154	270825	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 230779	2613 324058	6511 688668	63078	138667	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 96965	+++++ 131612	2589 283121	26259	55747	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 17322	+++++ 24290	+++++ 51811	4764	10069	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 170227	+++++ 233376	+++++ 487608	48591	102822	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24410-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 561319	6106 779452	15700 1596086	158911	343673	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 275879	2754 391855	7651 842035	74064	164568	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 684972	7555 952113	19262 1941230	195258	422701	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1805 755072	7570 1053824	20550 2147772	215008	465262	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 870475	9645 1222425	24364 2514439	242359	530591	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 606507	6706 856773	16731 1804508	166022	366351	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 443821	4955 619849	12536 1262979	130772	278098	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 305325	3400 426538	8714 876958	87005	190734	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 102108	+++++ 126726	+++++ 279738	27954	49051	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	619 341575	3523 487640	9015 1038245	91636	203463	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 228589	2388 324329	6390 684963	63069	138267	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 240689	+++++ 341406	5539 723400	63083	140841	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 106506	+++++ 127026	+++++ 295364	29628	48802	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 319042	2929 461019	7827 1023225	81353	185597	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 709508	7018 1001476	17600 2072871	194013	431342	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 432780	4161 616851	10177 1290966	116052	257501	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 501973	+++++ 690982	13225 1417461	145989	319343	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 493972	4933 710925	13081 1512707	130451	296198	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 481809	5153 663484	13719 1344468	140925	303797	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 519689	4885 737723	12521 1537839	138622	314798	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 258965	2637 371136	6700 801653	68470	155897	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24410-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	1150 472440	4487 691072	11497 1536401	120602	277569	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 510510	+++++ 696634	13415 1421791	149274	318670	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 713264	5598 1028135	14404 2195074	180457	419885	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 532502	4682 764432	12558 1664734	136445	315906	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 706192	7093 1019959	17793 2176709	182176	419856	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 1226995	12681 1722501	31451 3412936	327627	741689	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 501739	4885 706101	13431 1470356	139587	308880	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 938370	9421 1348354	22457 2863537	247947	560835	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 470735	4200 672909	11018 1470768	121634	281292	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 738944	5944 1064062	15392 2267731	189847	440060	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 750962	4600 1083437	13770 2341045	187895	444700	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 1451874	12986 2030591	34913 3838756	395231	889835	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 712414	6720 1008505	17454 2093401	192364	436026	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 1731327	17257 2365047	44036 4146137	486624	1084681	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 646113	+++++ 905747	16607 1870480	180298	398624	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 684024	+++++ 954887	17654 1961681	192981	427132	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 1530126	14134 2116938	36440 3862979	407457	932747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 1358064	13910 1888502	34345 3510235	376216	845305	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 1310886	11537 1830212	31160 3415805	360127	806326	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 624137	4651 894909	11584 1943447	159398	363709	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 1261087	11137 1766290	28968 3401262	346534	774425	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24410-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 1336236	11609 1848731	30725 3405274	373970	832616	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 1756219	16389 2398224	42530 4146696	506822	1102027	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 1620453	13422 2237091	36999 3919738	452459	1003650	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 918524	8750 1332710	20236 2709507	237420	553552	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 921608	8964 1330927	19669 2667489	239324	550653	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1165178	10326 1640819	25675 3054910	313664	719550	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 1539054	14687 2103881	36861 3662468	434249	962270	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 804293	+++++ 1125067	+++++ 2207990	235303	509676	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 864064	7582 1254124	18818 2580806	224145	521924	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 845334	+++++ 1207984	+++++ 2297931	227378	547913	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 790334	+++++ 1202463	15176 2469176	176509	480984	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 843847	6357 1240469	16544 2604839	213068	515033	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 1499234	+++++ 2286906	29885 4045141	320828	939044	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 730923	5387 1117189	13584 2319399	156880	448898	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24452-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-76115/3	9029_003.D
Level 2	IC 200-76115/4	9029_004.D
Level 3	IC 200-76115/5	9029_005.D
Level 4	IC 200-76115/6	9029_006.D
Level 5	ICIS 200-76115/7	9029_007.D
Level 6	IC 200-76115/8	9029_008.D
Level 7	IC 200-76115/9	9029_009.D
Level 8	IC 200-76115/10	9029_010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5690	+++++ 0.5367	0.6765 0.4831	0.5776	0.5884	Ave		0.5719				11.0		30.0			
Dichlorodifluoromethane	+++++ 3.8393	+++++ 3.6152	4.0781 2.9225	4.1984	4.1001	Ave		3.7923				13.0		30.0			
Freon 22	+++++ 1.6769	+++++ 1.6077	1.7649 1.4143	1.7797	1.7525	Ave		1.6660				8.4		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.2859	2.8898 3.1930	3.3076 2.7677	3.3586	3.4118	Ave		3.1735				7.8		30.0			
Chloromethane	+++++ 0.7940	+++++ 0.7645	0.8467 0.6918	0.7894	0.8077	Ave		0.7823				6.6		30.0			
n-Butane	+++++ 1.2215	+++++ 1.1884	1.2543 1.0810	1.2188	1.2606	Ave		1.2041				5.5		30.0			
Vinyl chloride	1.0037 1.0389	0.8908 1.0351	1.0324 0.9543	1.0013	1.0510	Ave		1.0009				5.4		30.0			
1,3-Butadiene	+++++ 0.7283	0.5159 0.7118	0.6742 0.6657	0.6941	0.7321	Ave		0.6746				11.0		30.0			
Bromomethane	+++++ 1.0720	1.0341 1.0651	1.0874 0.9901	1.0900	1.0930	Ave		1.0617				3.5		30.0			
Chloroethane	+++++ 0.4586	+++++ 0.4579	0.4908 0.4381	0.4552	0.4718	Ave		0.4621				3.8		30.0			
Isopentane	+++++ 0.7621	1.1097 0.7594	0.9306 0.6996	0.8044	0.7908	Ave		0.8366				17.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.0158	0.9948 0.9906	1.0220 0.9196	1.0743	1.0625	Ave		1.0114				5.1		30.0			
Trichlorofluoromethane	+++++ 3.4364	3.2251 3.3095	3.7380 2.9684	3.7987	3.6642	Ave		3.4486				8.8		30.0			
n-Pentane	+++++ 1.0747	+++++ 1.0531	1.1283 0.9752	1.1188	1.1301	Ave		1.0800				5.6		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24452-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.2351	+++++ 0.2103	0.2211 0.1884	0.2420	0.2008	Ave		0.2163				9.5		30.0			
Ethyl ether	+++++ 0.5407	0.4063 0.5365	0.5512 0.5101	0.5601	0.5645	Ave		0.5242				10.0		30.0			
Acrolein	+++++ 0.2258	+++++ 0.2295	+++++ 0.2264	0.2313	0.2380	Ave		0.2302				2.1		30.0			
Freon TF	+++++ 2.0496	1.8478 2.0144	2.1030 1.8939	2.1641	2.1407	Ave		2.0305				6.0		30.0			
1,1-Dichloroethene	+++++ 0.9254	0.7797 0.9131	0.9098 0.8792	0.9450	0.9355	Ave		0.8983				6.3		30.0			
Acetone	+++++ 1.3752	+++++ 1.3140	+++++ 1.1553	1.4766	1.5224	Ave		1.3687				11.0		30.0			
Carbon disulfide	+++++ 2.3187	+++++ 2.3174	2.3879 2.1282	2.4303	2.4156	Ave		2.3330				4.8		30.0			
Isopropyl alcohol	+++++ 1.0258	+++++ 0.8735	+++++ 0.8343	1.0848	0.8481	Ave		0.9333				12.0		30.0			
3-Chloropropene	+++++ 0.8682	0.7525 0.8343	0.8835 0.7811	0.9199	0.8977	Ave		0.8482				7.3		30.0			
Acetonitrile	+++++ 0.4637	+++++ 0.4336	+++++ 0.4120	0.4930	0.4528	Ave		0.4510				6.8		30.0			
Methylene Chloride	+++++ 0.8878	+++++ 0.8733	1.1108 0.8003	0.9728	0.9414	Ave		0.9311				11.0		30.0			
tert-Butyl alcohol	+++++ 1.9191	+++++ 1.7050	+++++ 1.6446	2.0030	1.7084	Ave		1.7960				8.7		30.0			
Methyl tert-butyl ether	+++++ 3.0111	2.6653 2.9482	3.0397 2.7135	3.1321	3.1139	Ave		2.9462				6.3		30.0			
trans-1,2-Dichloroethene	+++++ 1.3510	1.1679 1.3251	1.3882 1.2412	1.4202	1.4084	Ave		1.3288				7.0		30.0			
Acrylonitrile	+++++ 0.5167	+++++ 0.5021	0.4554 0.4813	0.5294	0.5178	Ave		0.5004				5.5		30.0			
n-Hexane	+++++ 1.1381	0.8980 1.1146	1.1958 1.0444	1.1755	1.1813	Ave		1.1068				9.5		30.0			
1,1-Dichloroethane	1.3561 1.6814	1.5126 1.6483	1.7262 1.5337	1.7643	1.7246	Ave		1.6184				8.6		30.0			
Vinyl acetate	+++++ 1.9753	+++++ 1.9253	+++++ 1.7878	2.0572	2.0768	Ave		1.9645				5.9		30.0			
cis-1,2-Dichloroethene	+++++ 1.0532	0.9876 1.0314	1.0586 0.9882	1.0537	1.0633	Ave		1.0337				3.2		30.0			
Methyl Ethyl Ketone	+++++ 0.4425	+++++ 0.4189	0.4209 0.4062	0.4386	0.4275	Ave		0.4258				3.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24452-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0790	+++++ 0.0773	+++++ 0.0743	0.0796	0.0772	Ave		0.0775				2.6		30.0			
Tetrahydrofuran	+++++ 0.1683	+++++ 0.1603	+++++ 0.1516	0.1782	0.1737	Ave		0.1664				6.4		30.0			
Chloroform	+++++ 2.5616	2.3078 2.4809	2.5526 2.2902	2.6545	2.6354	Ave		2.4976				5.9		30.0			
Cyclohexane	+++++ 0.2727	0.2266 0.2692	0.2743 0.2618	0.2717	0.2781	Ave		0.2649				6.7		30.0			
1,1,1-Trichloroethane	+++++ 0.6772	0.6215 0.6540	0.6905 0.6035	0.7162	0.7142	Ave		0.6682				6.6		30.0			
Carbon tetrachloride	0.6560 0.7465	0.6227 0.7239	0.7366 0.6678	0.7887	0.7862	Ave		0.7160				8.6		30.0			
2,2,4-Trimethylpentane	+++++ 0.8606	0.7934 0.8397	0.8733 0.7818	0.8890	0.8966	Ave		0.8478				5.3		30.0			
Benzene	+++++ 0.5996	0.5517 0.5885	0.5997 0.5610	0.6090	0.6190	Ave		0.5898				4.2		30.0			
1,2-Dichloroethane	+++++ 0.4388	0.4076 0.4258	0.4494 0.3927	0.4797	0.4699	Ave		0.4377				7.2		30.0			
n-Heptane	+++++ 0.3018	0.2797 0.2930	0.3124 0.2727	0.3191	0.3223	Ave		0.3001				6.4		30.0			
n-Butanol	+++++ 0.1009	+++++ 0.0870	+++++ 0.0870	0.1025	0.0829	Ave		0.0921				9.8		30.0			
Trichloroethene	0.2250 0.3377	0.2898 0.3350	0.3232 0.3228	0.3361	0.3438	Ave		0.3142				13.0		30.0			
1,2-Dichloropropane	+++++ 0.2260	0.1964 0.2228	0.2291 0.2130	0.2313	0.2336	Ave		0.2217				5.9		30.0			
Methyl methacrylate	+++++ 0.2379	+++++ 0.2345	0.1986 0.2249	0.2314	0.2380	Ave		0.2275				6.6		30.0			
1,4-Dioxane	+++++ 0.1053	+++++ 0.0873	+++++ 0.0918	0.1087	0.0825	Ave		0.0951				12.0		30.0			
Dibromomethane	+++++ 0.3154	0.2410 0.3167	0.2806 0.3181	0.2984	0.3136	Ave		0.2977				9.6		30.0			
Bromodichloromethane	+++++ 0.7014	0.5773 0.6879	0.6309 0.6445	0.7117	0.7289	Ave		0.6689				8.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4278	0.3423 0.4237	0.3648 0.4014	0.4257	0.4351	Ave		0.4030				8.9		30.0			
methyl isobutyl ketone	+++++ 0.4963	+++++ 0.4746	0.4741 0.4407	0.5355	0.5396	Ave		0.4935				7.8		30.0			
Toluene	+++++ 0.4815	0.4320 0.4807	0.4931 0.4526	0.4903	0.4933	Ave		0.4748				5.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24452-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.4763	0.4239 0.4557	0.4918 0.4180	0.5169	0.5133	Ave		0.4709				8.5		30.0			
trans-1,3-Dichloropropene	+++++ 0.5138	0.4019 0.5067	0.4488 0.4781	0.5085	0.5319	Ave		0.4842				9.4		30.0			
1,1,2-Trichloroethane	+++++ 0.2524	0.2309 0.2509	0.2526 0.2398	0.2574	0.2596	Ave		0.2491				4.1		30.0			
Tetrachloroethene	0.4411 0.4605	0.3930 0.4673	0.4334 0.4597	0.4533	0.4622	Ave		0.4463				5.5		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4976	+++++ 0.4710	0.5057 0.4254	0.5611	0.5307	Ave		0.4986				9.5		30.0			
Dibromochloromethane	+++++ 0.6953	0.4903 0.6952	0.5430 0.6567	0.6783	0.6992	Ave		0.6368				13.0		30.0			
1,2-Dibromoethane	+++++ 0.5191	0.4100 0.5169	0.4734 0.4980	0.5129	0.5261	Ave		0.4938				8.3		30.0			
Chlorobenzene	+++++ 0.6884	0.6212 0.6896	0.6708 0.6512	0.6847	0.6992	Ave		0.6722				4.1		30.0			
Ethylbenzene	+++++ 1.1961	1.1106 1.1646	1.1857 1.0211	1.2315	1.2351	Ave		1.1635				6.5		30.0			
n-Nonane	+++++ 0.4891	0.4278 0.4774	0.5063 0.4399	0.5247	0.5144	Ave		0.4828				7.7		30.0			
m,p-Xylene	+++++ 0.4574	0.4125 0.4558	0.4233 0.4284	0.4660	0.4670	Ave		0.4443				5.0		30.0			
Xylene, o-	+++++ 0.4589	0.3678 0.4550	0.4154 0.4400	0.4572	0.4684	Ave		0.4375				8.1		30.0			
Styrene	+++++ 0.7203	0.5206 0.7194	0.5803 0.6784	0.7136	0.7328	Ave		0.6665				12.0		30.0			
Bromoform	+++++ 0.7320	0.4029 0.7325	0.5191 0.7004	0.7062	0.7406	Ave		0.6477				20.0		30.0			
Cumene	+++++ 1.4153	1.1373 1.3729	1.3162 1.1485	1.4856	1.4818	Ave		1.3368				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6944	0.5885 0.6819	0.6580 0.6263	0.7230	0.7261	Ave		0.6712				7.5		30.0			
n-Propylbenzene	+++++ 1.6877	1.5114 1.5991	1.6601 1.2404	1.8291	1.8063	Ave		1.6191				12.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6298	+++++ 0.6124	0.6261 0.5596	0.6777	0.6638	Ave		0.6282				6.6		30.0			
n-Decane	+++++ 0.6668	+++++ 0.6456	0.6655 0.5869	0.7254	0.7113	Ave		0.6669				7.4		30.0			
4-Ethyltoluene	+++++ 1.4915	1.2378 1.4313	1.3737 1.1557	1.5315	1.5533	Ave		1.3964				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24452-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.3238	1.2182 1.2769	1.2948 1.0502	1.4141	1.4077	Ave		1.2837				9.7		30.0			
1,3,5-Trimethylbenzene	+++++ 1.2778	1.0104 1.2375	1.1747 1.0219	1.3536	1.3428	Ave		1.2027				12.0		30.0			
Alpha Methyl Styrene	+++++ 0.6084	0.4073 0.6051	0.4367 0.5814	0.5991	0.6057	Ave		0.5491				16.0		30.0			
tert-Butylbenzene	+++++ 1.2293	0.9754 1.1942	1.0921 1.0176	1.3025	1.2896	Ave		1.1572				11.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.3025	1.0167 1.2500	1.1583 1.0188	1.4056	1.3865	Ave		1.2198				13.0		30.0			
sec-Butylbenzene	+++++ 1.7119	1.4353 1.6215	1.6033 1.2406	1.9050	1.8352	Ave		1.6218				14.0		30.0			
4-Isopropyltoluene	+++++ 1.5796	1.1755 1.5126	1.3948 1.1727	1.7007	1.6714	Ave		1.4582				15.0		30.0			
1,3-Dichlorobenzene	+++++ 0.8954	0.7663 0.9011	0.7629 0.8106	0.8924	0.9218	Ave		0.8501				8.0		30.0			
1,4-Dichlorobenzene	+++++ 0.8984	0.7851 0.8999	0.7415 0.7980	0.8995	0.9170	Ave		0.8485				8.4		30.0			
Benzyl chloride	+++++ 1.1358	0.9043 1.1094	0.9679 0.9140	1.1790	1.1983	Ave		1.0584				12.0		30.0			
n-Butylbenzene	+++++ 1.5002	1.2863 1.4225	1.3896 1.0957	1.6322	1.6025	Ave		1.4184				13.0		30.0			
n-Undecane	+++++ 0.7840	+++++ 0.7607	+++++ 0.6606	0.8844	0.8488	Ave		0.7877				11.0		30.0			
1,2-Dichlorobenzene	+++++ 0.8423	0.6640 0.8480	0.7094 0.7721	0.8425	0.8692	Ave		0.7925				10.0		30.0			
n-Dodecane	+++++ 0.8240	+++++ 0.8168	+++++ 0.6875	0.8546	0.9124	Ave		0.8191				10.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7704	+++++ 0.8130	0.5721 0.7387	0.6634	0.8010	Ave		0.7264				13.0		30.0			
Hexachlorobutadiene	+++++ 0.8226	0.5567 0.8387	0.6237 0.7793	0.8009	0.8577	Ave		0.7542				15.0		30.0			
Naphthalene	+++++ 1.4614	+++++ 1.5462	1.1266 1.2102	1.2059	1.5638	Ave		1.3524				14.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.7125	0.4718 0.7554	0.5121 0.6939	0.5897	0.7475	Ave		0.6404				18.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24452-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-76115/3	9029_003.D
Level 2	IC 200-76115/4	9029_004.D
Level 3	IC 200-76115/5	9029_005.D
Level 4	IC 200-76115/6	9029_006.D
Level 5	ICIS 200-76115/7	9029_007.D
Level 6	IC 200-76115/8	9029_008.D
Level 7	IC 200-76115/9	9029_009.D
Level 8	IC 200-76115/10	9029_010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 124694	+++++ 168621	4161 336660	34576	76733	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 841313	+++++ 1135832	25083 2036756	251338	534687	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 367466	+++++ 505125	10855 985667	106539	228537	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 720036	7646 1003178	20344 1928871	201061	444917	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 173983	+++++ 240200	5208 482138	47255	105324	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 267676	+++++ 373372	7715 753408	72962	164389	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	601 227646	2357 325206	6350 665079	59945	137062	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 159603	1365 223646	4147 463975	41552	95475	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 234917	2736 334629	6688 690016	65254	142540	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 100491	+++++ 143861	3019 305314	27249	61529	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 166996	2936 238586	5724 487575	48155	103121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 222592	2632 311240	6286 640924	64315	138555	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 753014	8533 1039800	22991 2068774	227408	477830	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 235505	+++++ 330876	6940 679628	66977	147374	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 68845	+++++ 132185	13615 328230	28997	39291	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24452-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 118494	1075 168556	3390 355497	33532	73620	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 49469	+++++ 72116	+++++ 157813	13849	31043	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 449132	4889 632880	12935 1319893	129556	279162	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 202785	2063 286872	5596 612737	56575	121999	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 301356	+++++ 412839	+++++ 805132	88399	198531	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 508094	+++++ 728098	14687 1483174	145488	315007	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 224776	+++++ 274449	+++++ 581469	64942	110594	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 190243	1991 262133	5434 544348	55070	117068	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 101609	+++++ 136242	+++++ 287166	29511	59044	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 194552	+++++ 274388	6832 557769	58239	122759	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 420540	+++++ 535673	+++++ 1146168	119908	222789	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 659819	7052 926277	18696 1891095	187504	406067	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 296041	3090 416311	8538 865015	85020	183670	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 113216	+++++ 157761	2801 335403	31690	67519	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 249384	2376 350179	7355 727848	70374	154049	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	812 368442	4002 517873	10617 1068878	105620	224895	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 432846	+++++ 604908	+++++ 1245975	123154	270825	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 230779	2613 324058	6511 688668	63078	138667	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 96965	+++++ 131612	2589 283121	26259	55747	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 17322	+++++ 24290	+++++ 51811	4764	10069	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 170227	+++++ 233376	+++++ 487608	48591	102822	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24452-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 561319	6106 779452	15700 1596086	158911	343673	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 275879	2754 391855	7651 842035	74064	164568	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 684972	7555 952113	19262 1941230	195258	422701	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1805 755072	7570 1053824	20550 2147772	215008	465262	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 870475	9645 1222425	24364 2514439	242359	530591	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 606507	6706 856773	16731 1804508	166022	366351	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 443821	4955 619849	12536 1262979	130772	278098	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 305325	3400 426538	8714 876958	87005	190734	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 102108	+++++ 126726	+++++ 279738	27954	49051	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	619 341575	3523 487640	9015 1038245	91636	203463	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 228589	2388 324329	6390 684963	63069	138267	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 240689	+++++ 341406	5539 723400	63083	140841	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 106506	+++++ 127026	+++++ 295364	29628	48802	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 319042	2929 461019	7827 1023225	81353	185597	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 709508	7018 1001476	17600 2072871	194013	431342	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 432780	4161 616851	10177 1290966	116052	257501	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 501973	+++++ 690982	13225 1417461	145989	319343	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 493972	4933 710925	13081 1512707	130451	296198	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 481809	5153 663484	13719 1344468	140925	303797	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 519689	4885 737723	12521 1537839	138622	314798	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 258965	2637 371136	6700 801653	68470	155897	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24452-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	1150 472440	4487 691072	11497 1536401	120602	277569	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 510510	+++++ 696634	13415 1421791	149274	318670	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 713264	5598 1028135	14404 2195074	180457	419885	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 532502	4682 764432	12558 1664734	136445	315906	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 706192	7093 1019959	17793 2176709	182176	419856	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 1226995	12681 1722501	31451 3412936	327627	741689	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 501739	4885 706101	13431 1470356	139587	308880	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 938370	9421 1348354	22457 2863537	247947	560835	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 470735	4200 672909	11018 1470768	121634	281292	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 738944	5944 1064062	15392 2267731	189847	440060	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 750962	4600 1083437	13770 2341045	187895	444700	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 1451874	12986 2030591	34913 3838756	395231	889835	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 712414	6720 1008505	17454 2093401	192364	436026	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 1731327	17257 2365047	44036 4146137	486624	1084681	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 646113	+++++ 905747	16607 1870480	180298	398624	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 684024	+++++ 954887	17654 1961681	192981	427132	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 1530126	14134 2116938	36440 3862979	407457	932747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 1358064	13910 1888502	34345 3510235	376216	845305	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 1310886	11537 1830212	31160 3415805	360127	806326	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 624137	4651 894909	11584 1943447	159398	363709	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 1261087	11137 1766290	28968 3401262	346534	774425	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24452-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 1336236	11609 1848731	30725 3405274	373970	832616	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 1756219	16389 2398224	42530 4146696	506822	1102027	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 1620453	13422 2237091	36999 3919738	452459	1003650	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 918524	8750 1332710	20236 2709507	237420	553552	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 921608	8964 1330927	19669 2667489	239324	550653	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1165178	10326 1640819	25675 3054910	313664	719550	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 1539054	14687 2103881	36861 3662468	434249	962270	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 804293	+++++ 1125067	+++++ 2207990	235303	509676	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 864064	7582 1254124	18818 2580806	224145	521924	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 845334	+++++ 1207984	+++++ 2297931	227378	547913	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 790334	+++++ 1202463	15176 2469176	176509	480984	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 843847	6357 1240469	16544 2604839	213068	515033	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 1499234	+++++ 2286906	29885 4045141	320828	939044	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 730923	5387 1117189	13584 2319399	156880	448898	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24453-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-76115/3	9029_003.D
Level 2	IC 200-76115/4	9029_004.D
Level 3	IC 200-76115/5	9029_005.D
Level 4	IC 200-76115/6	9029_006.D
Level 5	ICIS 200-76115/7	9029_007.D
Level 6	IC 200-76115/8	9029_008.D
Level 7	IC 200-76115/9	9029_009.D
Level 8	IC 200-76115/10	9029_010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5690	+++++ 0.5367	0.6765 0.4831	0.5776	0.5884	Ave		0.5719				11.0		30.0			
Dichlorodifluoromethane	+++++ 3.8393	+++++ 3.6152	4.0781 2.9225	4.1984	4.1001	Ave		3.7923				13.0		30.0			
Freon 22	+++++ 1.6769	+++++ 1.6077	1.7649 1.4143	1.7797	1.7525	Ave		1.6660				8.4		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.2859	2.8898 3.1930	3.3076 2.7677	3.3586	3.4118	Ave		3.1735				7.8		30.0			
Chloromethane	+++++ 0.7940	+++++ 0.7645	0.8467 0.6918	0.7894	0.8077	Ave		0.7823				6.6		30.0			
n-Butane	+++++ 1.2215	+++++ 1.1884	1.2543 1.0810	1.2188	1.2606	Ave		1.2041				5.5		30.0			
Vinyl chloride	1.0037 1.0389	0.8908 1.0351	1.0324 0.9543	1.0013	1.0510	Ave		1.0009				5.4		30.0			
1,3-Butadiene	+++++ 0.7283	0.5159 0.7118	0.6742 0.6657	0.6941	0.7321	Ave		0.6746				11.0		30.0			
Bromomethane	+++++ 1.0720	1.0341 1.0651	1.0874 0.9901	1.0900	1.0930	Ave		1.0617				3.5		30.0			
Chloroethane	+++++ 0.4586	+++++ 0.4579	0.4908 0.4381	0.4552	0.4718	Ave		0.4621				3.8		30.0			
Isopentane	+++++ 0.7621	1.1097 0.7594	0.9306 0.6996	0.8044	0.7908	Ave		0.8366				17.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.0158	0.9948 0.9906	1.0220 0.9196	1.0743	1.0625	Ave		1.0114				5.1		30.0			
Trichlorofluoromethane	+++++ 3.4364	3.2251 3.3095	3.7380 2.9684	3.7987	3.6642	Ave		3.4486				8.8		30.0			
n-Pentane	+++++ 1.0747	+++++ 1.0531	1.1283 0.9752	1.1188	1.1301	Ave		1.0800				5.6		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24453-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.2351	+++++ 0.2103	0.2211 0.1884	0.2420	0.2008	Ave		0.2163				9.5		30.0			
Ethyl ether	+++++ 0.5407	0.4063 0.5365	0.5512 0.5101	0.5601	0.5645	Ave		0.5242				10.0		30.0			
Acrolein	+++++ 0.2258	+++++ 0.2295	+++++ 0.2264	0.2313	0.2380	Ave		0.2302				2.1		30.0			
Freon TF	+++++ 2.0496	1.8478 2.0144	2.1030 1.8939	2.1641	2.1407	Ave		2.0305				6.0		30.0			
1,1-Dichloroethene	+++++ 0.9254	0.7797 0.9131	0.9098 0.8792	0.9450	0.9355	Ave		0.8983				6.3		30.0			
Acetone	+++++ 1.3752	+++++ 1.3140	+++++ 1.1553	1.4766	1.5224	Ave		1.3687				11.0		30.0			
Carbon disulfide	+++++ 2.3187	+++++ 2.3174	2.3879 2.1282	2.4303	2.4156	Ave		2.3330				4.8		30.0			
Isopropyl alcohol	+++++ 1.0258	+++++ 0.8735	+++++ 0.8343	1.0848	0.8481	Ave		0.9333				12.0		30.0			
3-Chloropropene	+++++ 0.8682	0.7525 0.8343	0.8835 0.7811	0.9199	0.8977	Ave		0.8482				7.3		30.0			
Acetonitrile	+++++ 0.4637	+++++ 0.4336	+++++ 0.4120	0.4930	0.4528	Ave		0.4510				6.8		30.0			
Methylene Chloride	+++++ 0.8878	+++++ 0.8733	1.1108 0.8003	0.9728	0.9414	Ave		0.9311				11.0		30.0			
tert-Butyl alcohol	+++++ 1.9191	+++++ 1.7050	+++++ 1.6446	2.0030	1.7084	Ave		1.7960				8.7		30.0			
Methyl tert-butyl ether	+++++ 3.0111	2.6653 2.9482	3.0397 2.7135	3.1321	3.1139	Ave		2.9462				6.3		30.0			
trans-1,2-Dichloroethene	+++++ 1.3510	1.1679 1.3251	1.3882 1.2412	1.4202	1.4084	Ave		1.3288				7.0		30.0			
Acrylonitrile	+++++ 0.5167	+++++ 0.5021	0.4554 0.4813	0.5294	0.5178	Ave		0.5004				5.5		30.0			
n-Hexane	+++++ 1.1381	0.8980 1.1146	1.1958 1.0444	1.1755	1.1813	Ave		1.1068				9.5		30.0			
1,1-Dichloroethane	1.3561 1.6814	1.5126 1.6483	1.7262 1.5337	1.7643	1.7246	Ave		1.6184				8.6		30.0			
Vinyl acetate	+++++ 1.9753	+++++ 1.9253	+++++ 1.7878	2.0572	2.0768	Ave		1.9645				5.9		30.0			
cis-1,2-Dichloroethene	+++++ 1.0532	0.9876 1.0314	1.0586 0.9882	1.0537	1.0633	Ave		1.0337				3.2		30.0			
Methyl Ethyl Ketone	+++++ 0.4425	+++++ 0.4189	0.4209 0.4062	0.4386	0.4275	Ave		0.4258				3.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24453-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0790	+++++ 0.0773	+++++ 0.0743	0.0796	0.0772	Ave		0.0775				2.6		30.0			
Tetrahydrofuran	+++++ 0.1683	+++++ 0.1603	+++++ 0.1516	0.1782	0.1737	Ave		0.1664				6.4		30.0			
Chloroform	+++++ 2.5616	2.3078 2.4809	2.5526 2.2902	2.6545	2.6354	Ave		2.4976				5.9		30.0			
Cyclohexane	+++++ 0.2727	0.2266 0.2692	0.2743 0.2618	0.2717	0.2781	Ave		0.2649				6.7		30.0			
1,1,1-Trichloroethane	+++++ 0.6772	0.6215 0.6540	0.6905 0.6035	0.7162	0.7142	Ave		0.6682				6.6		30.0			
Carbon tetrachloride	0.6560 0.7465	0.6227 0.7239	0.7366 0.6678	0.7887	0.7862	Ave		0.7160				8.6		30.0			
2,2,4-Trimethylpentane	+++++ 0.8606	0.7934 0.8397	0.8733 0.7818	0.8890	0.8966	Ave		0.8478				5.3		30.0			
Benzene	+++++ 0.5996	0.5517 0.5885	0.5997 0.5610	0.6090	0.6190	Ave		0.5898				4.2		30.0			
1,2-Dichloroethane	+++++ 0.4388	0.4076 0.4258	0.4494 0.3927	0.4797	0.4699	Ave		0.4377				7.2		30.0			
n-Heptane	+++++ 0.3018	0.2797 0.2930	0.3124 0.2727	0.3191	0.3223	Ave		0.3001				6.4		30.0			
n-Butanol	+++++ 0.1009	+++++ 0.0870	+++++ 0.0870	0.1025	0.0829	Ave		0.0921				9.8		30.0			
Trichloroethene	0.2250 0.3377	0.2898 0.3350	0.3232 0.3228	0.3361	0.3438	Ave		0.3142				13.0		30.0			
1,2-Dichloropropane	+++++ 0.2260	0.1964 0.2228	0.2291 0.2130	0.2313	0.2336	Ave		0.2217				5.9		30.0			
Methyl methacrylate	+++++ 0.2379	+++++ 0.2345	0.1986 0.2249	0.2314	0.2380	Ave		0.2275				6.6		30.0			
1,4-Dioxane	+++++ 0.1053	+++++ 0.0873	+++++ 0.0918	0.1087	0.0825	Ave		0.0951				12.0		30.0			
Dibromomethane	+++++ 0.3154	0.2410 0.3167	0.2806 0.3181	0.2984	0.3136	Ave		0.2977				9.6		30.0			
Bromodichloromethane	+++++ 0.7014	0.5773 0.6879	0.6309 0.6445	0.7117	0.7289	Ave		0.6689				8.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4278	0.3423 0.4237	0.3648 0.4014	0.4257	0.4351	Ave		0.4030				8.9		30.0			
methyl isobutyl ketone	+++++ 0.4963	+++++ 0.4746	0.4741 0.4407	0.5355	0.5396	Ave		0.4935				7.8		30.0			
Toluene	+++++ 0.4815	0.4320 0.4807	0.4931 0.4526	0.4903	0.4933	Ave		0.4748				5.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24453-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.4763	0.4239 0.4557	0.4918 0.4180	0.5169	0.5133	Ave		0.4709				8.5		30.0			
trans-1,3-Dichloropropene	+++++ 0.5138	0.4019 0.5067	0.4488 0.4781	0.5085	0.5319	Ave		0.4842				9.4		30.0			
1,1,2-Trichloroethane	+++++ 0.2524	0.2309 0.2509	0.2526 0.2398	0.2574	0.2596	Ave		0.2491				4.1		30.0			
Tetrachloroethene	0.4411 0.4605	0.3930 0.4673	0.4334 0.4597	0.4533	0.4622	Ave		0.4463				5.5		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4976	+++++ 0.4710	0.5057 0.4254	0.5611	0.5307	Ave		0.4986				9.5		30.0			
Dibromochloromethane	+++++ 0.6953	0.4903 0.6952	0.5430 0.6567	0.6783	0.6992	Ave		0.6368				13.0		30.0			
1,2-Dibromoethane	+++++ 0.5191	0.4100 0.5169	0.4734 0.4980	0.5129	0.5261	Ave		0.4938				8.3		30.0			
Chlorobenzene	+++++ 0.6884	0.6212 0.6896	0.6708 0.6512	0.6847	0.6992	Ave		0.6722				4.1		30.0			
Ethylbenzene	+++++ 1.1961	1.1106 1.1646	1.1857 1.0211	1.2315	1.2351	Ave		1.1635				6.5		30.0			
n-Nonane	+++++ 0.4891	0.4278 0.4774	0.5063 0.4399	0.5247	0.5144	Ave		0.4828				7.7		30.0			
m,p-Xylene	+++++ 0.4574	0.4125 0.4558	0.4233 0.4284	0.4660	0.4670	Ave		0.4443				5.0		30.0			
Xylene, o-	+++++ 0.4589	0.3678 0.4550	0.4154 0.4400	0.4572	0.4684	Ave		0.4375				8.1		30.0			
Styrene	+++++ 0.7203	0.5206 0.7194	0.5803 0.6784	0.7136	0.7328	Ave		0.6665				12.0		30.0			
Bromoform	+++++ 0.7320	0.4029 0.7325	0.5191 0.7004	0.7062	0.7406	Ave		0.6477				20.0		30.0			
Cumene	+++++ 1.4153	1.1373 1.3729	1.3162 1.1485	1.4856	1.4818	Ave		1.3368				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6944	0.5885 0.6819	0.6580 0.6263	0.7230	0.7261	Ave		0.6712				7.5		30.0			
n-Propylbenzene	+++++ 1.6877	1.5114 1.5991	1.6601 1.2404	1.8291	1.8063	Ave		1.6191				12.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6298	+++++ 0.6124	0.6261 0.5596	0.6777	0.6638	Ave		0.6282				6.6		30.0			
n-Decane	+++++ 0.6668	+++++ 0.6456	0.6655 0.5869	0.7254	0.7113	Ave		0.6669				7.4		30.0			
4-Ethyltoluene	+++++ 1.4915	1.2378 1.4313	1.3737 1.1557	1.5315	1.5533	Ave		1.3964				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24453-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.3238	1.2182 1.2769	1.2948 1.0502	1.4141	1.4077	Ave		1.2837				9.7		30.0			
1,3,5-Trimethylbenzene	+++++ 1.2778	1.0104 1.2375	1.1747 1.0219	1.3536	1.3428	Ave		1.2027				12.0		30.0			
Alpha Methyl Styrene	+++++ 0.6084	0.4073 0.6051	0.4367 0.5814	0.5991	0.6057	Ave		0.5491				16.0		30.0			
tert-Butylbenzene	+++++ 1.2293	0.9754 1.1942	1.0921 1.0176	1.3025	1.2896	Ave		1.1572				11.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.3025	1.0167 1.2500	1.1583 1.0188	1.4056	1.3865	Ave		1.2198				13.0		30.0			
sec-Butylbenzene	+++++ 1.7119	1.4353 1.6215	1.6033 1.2406	1.9050	1.8352	Ave		1.6218				14.0		30.0			
4-Isopropyltoluene	+++++ 1.5796	1.1755 1.5126	1.3948 1.1727	1.7007	1.6714	Ave		1.4582				15.0		30.0			
1,3-Dichlorobenzene	+++++ 0.8954	0.7663 0.9011	0.7629 0.8106	0.8924	0.9218	Ave		0.8501				8.0		30.0			
1,4-Dichlorobenzene	+++++ 0.8984	0.7851 0.8999	0.7415 0.7980	0.8995	0.9170	Ave		0.8485				8.4		30.0			
Benzyl chloride	+++++ 1.1358	0.9043 1.1094	0.9679 0.9140	1.1790	1.1983	Ave		1.0584				12.0		30.0			
n-Butylbenzene	+++++ 1.5002	1.2863 1.4225	1.3896 1.0957	1.6322	1.6025	Ave		1.4184				13.0		30.0			
n-Undecane	+++++ 0.7840	+++++ 0.7607	+++++ 0.6606	0.8844	0.8488	Ave		0.7877				11.0		30.0			
1,2-Dichlorobenzene	+++++ 0.8423	0.6640 0.8480	0.7094 0.7721	0.8425	0.8692	Ave		0.7925				10.0		30.0			
n-Dodecane	+++++ 0.8240	+++++ 0.8168	+++++ 0.6875	0.8546	0.9124	Ave		0.8191				10.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7704	+++++ 0.8130	0.5721 0.7387	0.6634	0.8010	Ave		0.7264				13.0		30.0			
Hexachlorobutadiene	+++++ 0.8226	0.5567 0.8387	0.6237 0.7793	0.8009	0.8577	Ave		0.7542				15.0		30.0			
Naphthalene	+++++ 1.4614	+++++ 1.5462	1.1266 1.2102	1.2059	1.5638	Ave		1.3524				14.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.7125	0.4718 0.7554	0.5121 0.6939	0.5897	0.7475	Ave		0.6404				18.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24453-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-76115/3	9029_003.D
Level 2	IC 200-76115/4	9029_004.D
Level 3	IC 200-76115/5	9029_005.D
Level 4	IC 200-76115/6	9029_006.D
Level 5	ICIS 200-76115/7	9029_007.D
Level 6	IC 200-76115/8	9029_008.D
Level 7	IC 200-76115/9	9029_009.D
Level 8	IC 200-76115/10	9029_010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 124694	+++++ 168621	4161 336660	34576	76733	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 841313	+++++ 1135832	25083 2036756	251338	534687	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 367466	+++++ 505125	10855 985667	106539	228537	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 720036	7646 1003178	20344 1928871	201061	444917	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 173983	+++++ 240200	5208 482138	47255	105324	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 267676	+++++ 373372	7715 753408	72962	164389	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	601 227646	2357 325206	6350 665079	59945	137062	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 159603	1365 223646	4147 463975	41552	95475	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 234917	2736 334629	6688 690016	65254	142540	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 100491	+++++ 143861	3019 305314	27249	61529	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 166996	2936 238586	5724 487575	48155	103121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 222592	2632 311240	6286 640924	64315	138555	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 753014	8533 1039800	22991 2068774	227408	477830	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 235505	+++++ 330876	6940 679628	66977	147374	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 68845	+++++ 132185	13615 328230	28997	39291	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24453-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 118494	1075 168556	3390 355497	33532	73620	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 49469	+++++ 72116	+++++ 157813	13849	31043	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 449132	4889 632880	12935 1319893	129556	279162	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 202785	2063 286872	5596 612737	56575	121999	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 301356	+++++ 412839	+++++ 805132	88399	198531	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 508094	+++++ 728098	14687 1483174	145488	315007	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 224776	+++++ 274449	+++++ 581469	64942	110594	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 190243	1991 262133	5434 544348	55070	117068	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 101609	+++++ 136242	+++++ 287166	29511	59044	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 194552	+++++ 274388	6832 557769	58239	122759	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 420540	+++++ 535673	+++++ 1146168	119908	222789	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 659819	7052 926277	18696 1891095	187504	406067	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 296041	3090 416311	8538 865015	85020	183670	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 113216	+++++ 157761	2801 335403	31690	67519	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 249384	2376 350179	7355 727848	70374	154049	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	812 368442	4002 517873	10617 1068878	105620	224895	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 432846	+++++ 604908	+++++ 1245975	123154	270825	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 230779	2613 324058	6511 688668	63078	138667	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 96965	+++++ 131612	2589 283121	26259	55747	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 17322	+++++ 24290	+++++ 51811	4764	10069	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 170227	+++++ 233376	+++++ 487608	48591	102822	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24453-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 561319	6106 779452	15700 1596086	158911	343673	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 275879	2754 391855	7651 842035	74064	164568	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 684972	7555 952113	19262 1941230	195258	422701	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1805 755072	7570 1053824	20550 2147772	215008	465262	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 870475	9645 1222425	24364 2514439	242359	530591	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 606507	6706 856773	16731 1804508	166022	366351	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 443821	4955 619849	12536 1262979	130772	278098	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 305325	3400 426538	8714 876958	87005	190734	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 102108	+++++ 126726	+++++ 279738	27954	49051	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	619 341575	3523 487640	9015 1038245	91636	203463	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 228589	2388 324329	6390 684963	63069	138267	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 240689	+++++ 341406	5539 723400	63083	140841	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 106506	+++++ 127026	+++++ 295364	29628	48802	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 319042	2929 461019	7827 1023225	81353	185597	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 709508	7018 1001476	17600 2072871	194013	431342	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 432780	4161 616851	10177 1290966	116052	257501	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 501973	+++++ 690982	13225 1417461	145989	319343	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 493972	4933 710925	13081 1512707	130451	296198	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 481809	5153 663484	13719 1344468	140925	303797	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 519689	4885 737723	12521 1537839	138622	314798	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 258965	2637 371136	6700 801653	68470	155897	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24453-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	1150 472440	4487 691072	11497 1536401	120602	277569	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 510510	+++++ 696634	13415 1421791	149274	318670	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 713264	5598 1028135	14404 2195074	180457	419885	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 532502	4682 764432	12558 1664734	136445	315906	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 706192	7093 1019959	17793 2176709	182176	419856	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 1226995	12681 1722501	31451 3412936	327627	741689	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 501739	4885 706101	13431 1470356	139587	308880	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 938370	9421 1348354	22457 2863537	247947	560835	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 470735	4200 672909	11018 1470768	121634	281292	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 738944	5944 1064062	15392 2267731	189847	440060	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 750962	4600 1083437	13770 2341045	187895	444700	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 1451874	12986 2030591	34913 3838756	395231	889835	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 712414	6720 1008505	17454 2093401	192364	436026	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 1731327	17257 2365047	44036 4146137	486624	1084681	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 646113	+++++ 905747	16607 1870480	180298	398624	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 684024	+++++ 954887	17654 1961681	192981	427132	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 1530126	14134 2116938	36440 3862979	407457	932747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 1358064	13910 1888502	34345 3510235	376216	845305	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 1310886	11537 1830212	31160 3415805	360127	806326	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 624137	4651 894909	11584 1943447	159398	363709	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 1261087	11137 1766290	28968 3401262	346534	774425	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24453-1 Analy Batch No.: 76115

SDG No.:

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2014 10:29 Calibration End Date: 08/15/2014 16:40 Calibration ID: 27711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 1336236	11609 1848731	30725 3405274	373970	832616	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 1756219	16389 2398224	42530 4146696	506822	1102027	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 1620453	13422 2237091	36999 3919738	452459	1003650	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 918524	8750 1332710	20236 2709507	237420	553552	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 921608	8964 1330927	19669 2667489	239324	550653	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1165178	10326 1640819	25675 3054910	313664	719550	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 1539054	14687 2103881	36861 3662468	434249	962270	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 804293	+++++ 1125067	+++++ 2207990	235303	509676	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 864064	7582 1254124	18818 2580806	224145	521924	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 845334	+++++ 1207984	+++++ 2297931	227378	547913	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 790334	+++++ 1202463	15176 2469176	176509	480984	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 843847	6357 1240469	16544 2604839	213068	515033	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 1499234	+++++ 2286906	29885 4045141	320828	939044	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 730923	5387 1117189	13584 2319399	156880	448898	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Lab Sample ID: ICV 200-76115/13 Calibration Date: 08/15/2014 19:19

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9029_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5719	0.4947		8.65	10.0	-13.5	30.0
Dichlorodifluoromethane	Ave	3.792	3.550		9.36	10.0	-6.4	30.0
Freon 22	Ave	1.666	1.543		9.26	10.0	-7.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.173	3.409		10.7	10.0	7.4	30.0
Chloromethane	Ave	0.7823	0.7197		9.20	10.0	-8.0	30.0
n-Butane	Ave	1.204	1.117		9.27	10.0	-7.2	30.0
Vinyl chloride	Ave	1.001	0.9581		9.57	10.0	-4.3	30.0
1,3-Butadiene	Ave	0.6746	0.6518		9.66	10.0	-3.4	30.0
Bromomethane	Ave	1.062	1.025		9.65	10.0	-3.5	30.0
Chloroethane	Ave	0.4621	0.4367		9.45	10.0	-5.5	30.0
Isopentane	Ave	0.8366	0.7937		9.48	10.0	-5.1	30.0
Bromoethene(Vinyl Bromide)	Ave	1.011	0.9513		9.40	10.0	-5.9	30.0
Trichlorofluoromethane	Ave	3.449	3.162		9.17	10.0	-8.3	30.0
n-Pentane	Ave	1.080	1.132		10.5	10.0	4.8	30.0
Ethanol	Ave	0.2163	0.2724		18.9	15.0	25.9	30.0
Ethyl ether	Ave	0.5242	0.5790		11.0	10.0	10.5	30.0
Acrolein	Ave	0.2302	0.2922		12.7	10.0	26.9	30.0
Freon TF	Ave	2.031	1.951		9.61	10.0	-3.9	30.0
1,1-Dichloroethene	Ave	0.8983	0.8531		9.50	10.0	-5.0	30.0
Acetone	Ave	1.369	1.164		8.51	10.0	-14.9	30.0
Carbon disulfide	Ave	2.333	2.541		10.9	10.0	8.9	30.0
Isopropyl alcohol	Ave	0.9333	0.7631		8.17	10.0	-18.2	30.0
3-Chloropropene	Ave	0.8482	0.7803		9.20	10.0	-8.0	30.0
Acetonitrile	Ave	0.4510	0.4293		9.52	10.0	-4.8	30.0
Methylene Chloride	Ave	0.9311	0.8295		8.91	10.0	-10.9	30.0
tert-Butyl alcohol	Ave	1.796	1.484		8.26	10.0	-17.4	30.0
Methyl tert-butyl ether	Ave	2.946	2.821		9.57	10.0	-4.3	30.0
trans-1,2-Dichloroethene	Ave	1.329	1.340		10.1	10.0	0.8	30.0
Acrylonitrile	Ave	0.5004	0.5037		10.1	10.0	0.7	30.0
n-Hexane	Ave	1.107	1.157		10.5	10.0	4.5	30.0
1,1-Dichloroethane	Ave	1.618	1.604		9.91	10.0	-0.9	30.0
Vinyl acetate	Ave	1.964	1.833		9.33	10.0	-6.7	30.0
cis-1,2-Dichloroethene	Ave	1.034	0.9874		9.55	10.0	-4.5	30.0
Methyl Ethyl Ketone	Ave	0.4258	0.3928		9.22	10.0	-7.7	30.0
Ethyl acetate	Ave	0.0775	0.0787		10.1	10.0	1.5	30.0
Tetrahydrofuran	Ave	0.1664	0.1572		9.44	10.0	-5.5	30.0
Chloroform	Ave	2.498	2.404		9.62	10.0	-3.8	30.0
Cyclohexane	Ave	0.2649	0.2608		9.85	10.0	-1.5	30.0
1,1,1-Trichloroethane	Ave	0.6682	0.6260		9.37	10.0	-6.3	30.0
Carbon tetrachloride	Ave	0.7160	0.6864		9.58	10.0	-4.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Lab Sample ID: ICV 200-76115/13 Calibration Date: 08/15/2014 19:19

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9029_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.8478	0.8086		9.54	10.0	-4.6	30.0
Benzene	Ave	0.5898	0.5703		9.67	10.0	-3.3	30.0
1,2-Dichloroethane	Ave	0.4377	0.4088		9.34	10.0	-6.6	30.0
n-Heptane	Ave	0.3001	0.2824		9.41	10.0	-5.9	30.0
n-Butanol	Ave	0.0921	0.0882		9.58	10.0	-4.2	30.0
Trichloroethene	Ave	0.3142	0.3179		10.1	10.0	1.2	30.0
1,2-Dichloropropane	Ave	0.2217	0.2116		9.54	10.0	-4.6	30.0
Methyl methacrylate	Ave	0.2275	0.2261		9.93	10.0	-0.6	30.0
1,4-Dioxane	Ave	0.0951	0.0853		8.97	10.0	-10.3	30.0
Dibromomethane	Ave	0.2977	0.2907		9.76	10.0	-2.4	30.0
Bromodichloromethane	Ave	0.6689	0.6386		9.55	10.0	-4.5	30.0
cis-1,3-Dichloropropene	Ave	0.4030	0.4038		10.0	10.0	0.2	30.0
methyl isobutyl ketone	Ave	0.4935	0.4494		9.10	10.0	-8.9	30.0
Toluene	Ave	0.4748	0.4734		9.97	10.0	-0.3	30.0
n-Octane	Ave	0.4709	0.4421		9.39	10.0	-6.1	30.0
trans-1,3-Dichloropropene	Ave	0.4842	0.4801		9.91	10.0	-0.9	30.0
1,1,2-Trichloroethane	Ave	0.2491	0.2482		9.96	10.0	-0.4	30.0
Tetrachloroethene	Ave	0.4463	0.4479		10.0	10.0	0.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4986	0.4603		9.23	10.0	-7.7	30.0
Dibromochloromethane	Ave	0.6368	0.6271		9.84	10.0	-1.5	30.0
1,2-Dibromoethane	Ave	0.4938	0.5013		10.1	10.0	1.5	30.0
Chlorobenzene	Ave	0.6722	0.6666		9.91	10.0	-0.8	30.0
Ethylbenzene	Ave	1.164	1.147		9.86	10.0	-1.4	30.0
n-Nonane	Ave	0.4828	0.4697		9.73	10.0	-2.7	30.0
m,p-Xylene	Ave	0.4443	0.4342		19.5	20.0	-2.3	30.0
Xylene, o-	Ave	0.4375	0.4283		9.79	10.0	-2.1	30.0
Styrene	Ave	0.6665	0.6726		10.1	10.0	0.9	30.0
Bromoform	Ave	0.6477	0.6544		10.1	10.0	1.0	30.0
Cumene	Ave	1.337	1.324		9.90	10.0	-1.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6712	0.6626		9.87	10.0	-1.3	30.0
n-Propylbenzene	Ave	1.619	1.590		9.82	10.0	-1.8	30.0
1,2,3-Trichloropropane	Ave	0.6282	0.5777		9.19	10.0	-8.1	30.0
n-Decane	Ave	0.6669	0.6236		9.35	10.0	-6.5	30.0
4-Ethyltoluene	Ave	1.396	1.397		10.0	10.0	0.0	30.0
2-Chlorotoluene	Ave	1.284	1.225		9.54	10.0	-4.5	30.0
1,3,5-Trimethylbenzene	Ave	1.203	1.191		9.90	10.0	-1.0	30.0
Alpha Methyl Styrene	Ave	0.5491	0.5676		10.3	10.0	3.4	30.0
tert-Butylbenzene	Ave	1.157	1.128		9.75	10.0	-2.5	30.0
1,2,4-Trimethylbenzene	Ave	1.220	1.205		9.88	10.0	-1.2	30.0
sec-Butylbenzene	Ave	1.622	1.611		9.93	10.0	-0.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Lab Sample ID: ICV 200-76115/13 Calibration Date: 08/15/2014 19:19

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9029_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.458	1.465		10.0	10.0	0.5	30.0
1,3-Dichlorobenzene	Ave	0.8501	0.8225		9.67	10.0	-3.2	30.0
1,4-Dichlorobenzene	Ave	0.8485	0.8277		9.75	10.0	-2.5	30.0
Benzyl chloride	Ave	1.058	1.187		11.2	10.0	12.2	30.0
n-Butylbenzene	Ave	1.418	1.391		9.81	10.0	-1.9	30.0
n-Undecane	Ave	0.7877	0.7479		9.49	10.0	-5.1	30.0
1,2-Dichlorobenzene	Ave	0.7925	0.7736		9.76	10.0	-2.4	30.0
n-Dodecane	Ave	0.8191	0.7987		9.75	10.0	-2.5	30.0
1,2,4-Trichlorobenzene	Ave	0.7264	0.6979		9.61	10.0	-3.9	30.0
Hexachlorobutadiene	Ave	0.7542	0.7351		9.75	10.0	-2.5	30.0
Naphthalene	Ave	1.352	1.349		9.97	10.0	-0.3	30.0
1,2,3-Trichlorobenzene	Ave	0.6404	0.6217		9.71	10.0	-2.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Lab Sample ID: CCVIS 200-77911/3 Calibration Date: 09/29/2014 09:47

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9716_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5719	0.7416		13.0	10.0	29.7	30.0
Dichlorodifluoromethane	Ave	3.792	5.338		14.1	10.0	40.8*	30.0
Freon 22	Ave	1.666	2.252		13.5	10.0	35.2*	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.173	4.092		12.9	10.0	28.9	30.0
Chloromethane	Ave	0.7823	0.9390		12.0	10.0	20.0	30.0
n-Butane	Ave	1.204	1.464		12.2	10.0	21.6	30.0
Vinyl chloride	Ave	1.001	1.138		11.4	10.0	13.7	30.0
1,3-Butadiene	Ave	0.6746	0.8020		11.9	10.0	18.9	30.0
Bromomethane	Ave	1.062	1.123		10.6	10.0	5.7	30.0
Chloroethane	Ave	0.4621	0.4812		10.4	10.0	4.1	30.0
Isopentane	Ave	0.8366	0.8559		10.2	10.0	2.3	30.0
Bromoethene(Vinyl Bromide)	Ave	1.011	1.181		11.7	10.0	16.8	30.0
Trichlorofluoromethane	Ave	3.449	4.456		12.9	10.0	29.2	30.0
n-Pentane	Ave	1.080	1.173		10.9	10.0	8.6	30.0
Ethanol	Ave	0.2163	0.3161		21.9	15.0	46.2*	30.0
Ethyl ether	Ave	0.5242	0.5907		11.3	10.0	12.7	30.0
Acrolein	Ave	0.2302	0.2377		10.3	10.0	3.2	30.0
Freon TF	Ave	2.031	2.349		11.6	10.0	15.7	30.0
1,1-Dichloroethene	Ave	0.8983	0.9647		10.7	10.0	7.4	30.0
Acetone	Ave	1.369	1.654		12.1	10.0	20.8	30.0
Carbon disulfide	Ave	2.333	2.333		10.0	10.0	0.0	30.0
Isopropyl alcohol	Ave	0.9333	0.9611		10.3	10.0	3.0	30.0
3-Chloropropene	Ave	0.8482	0.9537		11.2	10.0	12.4	30.0
Acetonitrile	Ave	0.4510	0.4723		10.5	10.0	4.7	30.0
Methylene Chloride	Ave	0.9311	1.031		11.1	10.0	10.7	30.0
tert-Butyl alcohol	Ave	1.796	1.993		11.1	10.0	11.0	30.0
Methyl tert-butyl ether	Ave	2.946	3.517		11.9	10.0	19.4	30.0
trans-1,2-Dichloroethene	Ave	1.329	1.511		11.4	10.0	13.7	30.0
Acrylonitrile	Ave	0.5004	0.5212		10.4	10.0	4.1	30.0
n-Hexane	Ave	1.107	1.218		11.0	10.0	10.1	30.0
1,1-Dichloroethane	Ave	1.618	1.788		11.0	10.0	10.5	30.0
Vinyl acetate	Ave	1.964	2.175		11.1	10.0	10.7	30.0
cis-1,2-Dichloroethene	Ave	1.034	1.045		10.1	10.0	1.1	30.0
Methyl Ethyl Ketone	Ave	0.4258	0.4307		10.1	10.0	1.1	30.0
Ethyl acetate	Ave	0.0775	0.0767		9.89	10.0	-1.1	30.0
Tetrahydrofuran	Ave	0.1664	0.1721		10.3	10.0	3.4	30.0
Chloroform	Ave	2.498	2.840		11.4	10.0	13.7	30.0
Cyclohexane	Ave	0.2649	0.2701		10.2	10.0	2.0	30.0
1,1,1-Trichloroethane	Ave	0.6682	0.7997		12.0	10.0	19.7	30.0
Carbon tetrachloride	Ave	0.7160	0.8920		12.5	10.0	24.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Lab Sample ID: CCVIS 200-77911/3 Calibration Date: 09/29/2014 09:47

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9716_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.8478	0.8692		10.3	10.0	2.5	30.0
Benzene	Ave	0.5898	0.5801		9.83	10.0	-1.6	30.0
1,2-Dichloroethane	Ave	0.4377	0.5247		12.0	10.0	19.9	30.0
n-Heptane	Ave	0.3001	0.3210		10.7	10.0	6.9	30.0
n-Butanol	Ave	0.0921	0.0789		8.57	10.0	-14.3	30.0
Trichloroethene	Ave	0.3142	0.3362		10.7	10.0	7.0	30.0
1,2-Dichloropropane	Ave	0.2217	0.2259		10.2	10.0	1.9	30.0
Methyl methacrylate	Ave	0.2275	0.2253		9.90	10.0	-1.0	30.0
1,4-Dioxane	Ave	0.0951	0.0781		8.21	10.0	-17.9	30.0
Dibromomethane	Ave	0.2977	0.2750		9.24	10.0	-7.6	30.0
Bromodichloromethane	Ave	0.6689	0.7406		11.1	10.0	10.7	30.0
cis-1,3-Dichloropropene	Ave	0.4030	0.4213		10.5	10.0	4.5	30.0
methyl isobutyl ketone	Ave	0.4935	0.5557		11.3	10.0	12.6	30.0
Toluene	Ave	0.4748	0.4818		10.1	10.0	1.5	30.0
n-Octane	Ave	0.4709	0.5275		11.2	10.0	12.0	30.0
trans-1,3-Dichloropropene	Ave	0.4842	0.5236		10.8	10.0	8.1	30.0
1,1,2-Trichloroethane	Ave	0.2491	0.2489		9.99	10.0	-0.0	30.0
Tetrachloroethene	Ave	0.4463	0.4370		9.79	10.0	-2.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4986	0.5652		11.3	10.0	13.4	30.0
Dibromochloromethane	Ave	0.6368	0.6813		10.7	10.0	7.0	30.0
1,2-Dibromoethane	Ave	0.4938	0.4979		10.1	10.0	0.8	30.0
Chlorobenzene	Ave	0.6722	0.6683		9.94	10.0	-0.6	30.0
Ethylbenzene	Ave	1.164	1.226		10.5	10.0	5.4	30.0
n-Nonane	Ave	0.4828	0.5180		10.7	10.0	7.3	30.0
m,p-Xylene	Ave	0.4443	0.4418		19.9	20.0	-0.6	30.0
Xylene, o-	Ave	0.4375	0.4474		10.2	10.0	2.3	30.0
Styrene	Ave	0.6665	0.6773		10.2	10.0	1.6	30.0
Bromoform	Ave	0.6477	0.7102		11.0	10.0	9.7	30.0
Cumene	Ave	1.337	1.430		10.7	10.0	6.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6712	0.6697		9.98	10.0	-0.2	30.0
n-Propylbenzene	Ave	1.619	1.788		11.0	10.0	10.4	30.0
1,2,3-Trichloropropane	Ave	0.6282	0.6644		10.6	10.0	5.8	30.0
n-Decane	Ave	0.6669	0.7063		10.6	10.0	5.9	30.0
4-Ethyltoluene	Ave	1.396	1.485		10.6	10.0	6.3	30.0
2-Chlorotoluene	Ave	1.284	1.394		10.9	10.0	8.6	30.0
1,3,5-Trimethylbenzene	Ave	1.203	1.284		10.7	10.0	6.7	30.0
Alpha Methyl Styrene	Ave	0.5491	0.5682		10.3	10.0	3.5	30.0
tert-Butylbenzene	Ave	1.157	1.208		10.4	10.0	4.4	30.0
1,2,4-Trimethylbenzene	Ave	1.220	1.311		10.7	10.0	7.5	30.0
sec-Butylbenzene	Ave	1.622	1.759		10.8	10.0	8.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Lab Sample ID: CCVIS 200-77911/3 Calibration Date: 09/29/2014 09:47

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9716_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.458	1.563		10.7	10.0	7.2	30.0
1,3-Dichlorobenzene	Ave	0.8501	0.8232		9.68	10.0	-3.2	30.0
1,4-Dichlorobenzene	Ave	0.8485	0.8350		9.84	10.0	-1.6	30.0
Benzyl chloride	Ave	1.058	1.151		10.9	10.0	8.8	30.0
n-Butylbenzene	Ave	1.418	1.575		11.1	10.0	11.1	30.0
n-Undecane	Ave	0.7877	0.8395		10.7	10.0	6.6	30.0
1,2-Dichlorobenzene	Ave	0.7925	0.7748		9.77	10.0	-2.2	30.0
n-Dodecane	Ave	0.8191	0.8695		10.6	10.0	6.2	30.0
1,2,4-Trichlorobenzene	Ave	0.7264	0.7512		10.3	10.0	3.4	30.0
Hexachlorobutadiene	Ave	0.7542	0.8890		11.8	10.0	17.9	30.0
Naphthalene	Ave	1.352	1.469		10.9	10.0	8.6	30.0
1,2,3-Trichlorobenzene	Ave	0.6404	0.6756		10.5	10.0	5.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Lab Sample ID: ICV 200-76115/13 Calibration Date: 08/15/2014 19:19

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9029_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5719	0.4947		8.65	10.0	-13.5	30.0
Dichlorodifluoromethane	Ave	3.792	3.550		9.36	10.0	-6.4	30.0
Freon 22	Ave	1.666	1.543		9.26	10.0	-7.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.173	3.409		10.7	10.0	7.4	30.0
Chloromethane	Ave	0.7823	0.7197		9.20	10.0	-8.0	30.0
n-Butane	Ave	1.204	1.117		9.27	10.0	-7.2	30.0
Vinyl chloride	Ave	1.001	0.9581		9.57	10.0	-4.3	30.0
1,3-Butadiene	Ave	0.6746	0.6518		9.66	10.0	-3.4	30.0
Bromomethane	Ave	1.062	1.025		9.65	10.0	-3.5	30.0
Chloroethane	Ave	0.4621	0.4367		9.45	10.0	-5.5	30.0
Isopentane	Ave	0.8366	0.7937		9.48	10.0	-5.1	30.0
Bromoethene(Vinyl Bromide)	Ave	1.011	0.9513		9.40	10.0	-5.9	30.0
Trichlorofluoromethane	Ave	3.449	3.162		9.17	10.0	-8.3	30.0
n-Pentane	Ave	1.080	1.132		10.5	10.0	4.8	30.0
Ethanol	Ave	0.2163	0.2724		18.9	15.0	25.9	30.0
Ethyl ether	Ave	0.5242	0.5790		11.0	10.0	10.5	30.0
Acrolein	Ave	0.2302	0.2922		12.7	10.0	26.9	30.0
Freon TF	Ave	2.031	1.951		9.61	10.0	-3.9	30.0
1,1-Dichloroethene	Ave	0.8983	0.8531		9.50	10.0	-5.0	30.0
Acetone	Ave	1.369	1.164		8.51	10.0	-14.9	30.0
Carbon disulfide	Ave	2.333	2.541		10.9	10.0	8.9	30.0
Isopropyl alcohol	Ave	0.9333	0.7631		8.17	10.0	-18.2	30.0
3-Chloropropene	Ave	0.8482	0.7803		9.20	10.0	-8.0	30.0
Acetonitrile	Ave	0.4510	0.4293		9.52	10.0	-4.8	30.0
Methylene Chloride	Ave	0.9311	0.8295		8.91	10.0	-10.9	30.0
tert-Butyl alcohol	Ave	1.796	1.484		8.26	10.0	-17.4	30.0
Methyl tert-butyl ether	Ave	2.946	2.821		9.57	10.0	-4.3	30.0
trans-1,2-Dichloroethene	Ave	1.329	1.340		10.1	10.0	0.8	30.0
Acrylonitrile	Ave	0.5004	0.5037		10.1	10.0	0.7	30.0
n-Hexane	Ave	1.107	1.157		10.5	10.0	4.5	30.0
1,1-Dichloroethane	Ave	1.618	1.604		9.91	10.0	-0.9	30.0
Vinyl acetate	Ave	1.964	1.833		9.33	10.0	-6.7	30.0
cis-1,2-Dichloroethene	Ave	1.034	0.9874		9.55	10.0	-4.5	30.0
Methyl Ethyl Ketone	Ave	0.4258	0.3928		9.22	10.0	-7.7	30.0
Ethyl acetate	Ave	0.0775	0.0787		10.1	10.0	1.5	30.0
Tetrahydrofuran	Ave	0.1664	0.1572		9.44	10.0	-5.5	30.0
Chloroform	Ave	2.498	2.404		9.62	10.0	-3.8	30.0
Cyclohexane	Ave	0.2649	0.2608		9.85	10.0	-1.5	30.0
1,1,1-Trichloroethane	Ave	0.6682	0.6260		9.37	10.0	-6.3	30.0
Carbon tetrachloride	Ave	0.7160	0.6864		9.58	10.0	-4.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Lab Sample ID: ICV 200-76115/13 Calibration Date: 08/15/2014 19:19

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9029_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.8478	0.8086		9.54	10.0	-4.6	30.0
Benzene	Ave	0.5898	0.5703		9.67	10.0	-3.3	30.0
1,2-Dichloroethane	Ave	0.4377	0.4088		9.34	10.0	-6.6	30.0
n-Heptane	Ave	0.3001	0.2824		9.41	10.0	-5.9	30.0
n-Butanol	Ave	0.0921	0.0882		9.58	10.0	-4.2	30.0
Trichloroethene	Ave	0.3142	0.3179		10.1	10.0	1.2	30.0
1,2-Dichloropropane	Ave	0.2217	0.2116		9.54	10.0	-4.6	30.0
Methyl methacrylate	Ave	0.2275	0.2261		9.93	10.0	-0.6	30.0
1,4-Dioxane	Ave	0.0951	0.0853		8.97	10.0	-10.3	30.0
Dibromomethane	Ave	0.2977	0.2907		9.76	10.0	-2.4	30.0
Bromodichloromethane	Ave	0.6689	0.6386		9.55	10.0	-4.5	30.0
cis-1,3-Dichloropropene	Ave	0.4030	0.4038		10.0	10.0	0.2	30.0
methyl isobutyl ketone	Ave	0.4935	0.4494		9.10	10.0	-8.9	30.0
Toluene	Ave	0.4748	0.4734		9.97	10.0	-0.3	30.0
n-Octane	Ave	0.4709	0.4421		9.39	10.0	-6.1	30.0
trans-1,3-Dichloropropene	Ave	0.4842	0.4801		9.91	10.0	-0.9	30.0
1,1,2-Trichloroethane	Ave	0.2491	0.2482		9.96	10.0	-0.4	30.0
Tetrachloroethene	Ave	0.4463	0.4479		10.0	10.0	0.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4986	0.4603		9.23	10.0	-7.7	30.0
Dibromochloromethane	Ave	0.6368	0.6271		9.84	10.0	-1.5	30.0
1,2-Dibromoethane	Ave	0.4938	0.5013		10.1	10.0	1.5	30.0
Chlorobenzene	Ave	0.6722	0.6666		9.91	10.0	-0.8	30.0
Ethylbenzene	Ave	1.164	1.147		9.86	10.0	-1.4	30.0
n-Nonane	Ave	0.4828	0.4697		9.73	10.0	-2.7	30.0
m,p-Xylene	Ave	0.4443	0.4342		19.5	20.0	-2.3	30.0
Xylene, o-	Ave	0.4375	0.4283		9.79	10.0	-2.1	30.0
Styrene	Ave	0.6665	0.6726		10.1	10.0	0.9	30.0
Bromoform	Ave	0.6477	0.6544		10.1	10.0	1.0	30.0
Cumene	Ave	1.337	1.324		9.90	10.0	-1.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6712	0.6626		9.87	10.0	-1.3	30.0
n-Propylbenzene	Ave	1.619	1.590		9.82	10.0	-1.8	30.0
1,2,3-Trichloropropane	Ave	0.6282	0.5777		9.19	10.0	-8.1	30.0
n-Decane	Ave	0.6669	0.6236		9.35	10.0	-6.5	30.0
4-Ethyltoluene	Ave	1.396	1.397		10.0	10.0	0.0	30.0
2-Chlorotoluene	Ave	1.284	1.225		9.54	10.0	-4.5	30.0
1,3,5-Trimethylbenzene	Ave	1.203	1.191		9.90	10.0	-1.0	30.0
Alpha Methyl Styrene	Ave	0.5491	0.5676		10.3	10.0	3.4	30.0
tert-Butylbenzene	Ave	1.157	1.128		9.75	10.0	-2.5	30.0
1,2,4-Trimethylbenzene	Ave	1.220	1.205		9.88	10.0	-1.2	30.0
sec-Butylbenzene	Ave	1.622	1.611		9.93	10.0	-0.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Lab Sample ID: ICV 200-76115/13 Calibration Date: 08/15/2014 19:19

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9029_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.458	1.465		10.0	10.0	0.5	30.0
1,3-Dichlorobenzene	Ave	0.8501	0.8225		9.67	10.0	-3.2	30.0
1,4-Dichlorobenzene	Ave	0.8485	0.8277		9.75	10.0	-2.5	30.0
Benzyl chloride	Ave	1.058	1.187		11.2	10.0	12.2	30.0
n-Butylbenzene	Ave	1.418	1.391		9.81	10.0	-1.9	30.0
n-Undecane	Ave	0.7877	0.7479		9.49	10.0	-5.1	30.0
1,2-Dichlorobenzene	Ave	0.7925	0.7736		9.76	10.0	-2.4	30.0
n-Dodecane	Ave	0.8191	0.7987		9.75	10.0	-2.5	30.0
1,2,4-Trichlorobenzene	Ave	0.7264	0.6979		9.61	10.0	-3.9	30.0
Hexachlorobutadiene	Ave	0.7542	0.7351		9.75	10.0	-2.5	30.0
Naphthalene	Ave	1.352	1.349		9.97	10.0	-0.3	30.0
1,2,3-Trichlorobenzene	Ave	0.6404	0.6217		9.71	10.0	-2.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Lab Sample ID: CCVIS 200-77911/3 Calibration Date: 09/29/2014 09:47

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9716_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5719	0.7416		13.0	10.0	29.7	30.0
Dichlorodifluoromethane	Ave	3.792	5.338		14.1	10.0	40.8*	30.0
Freon 22	Ave	1.666	2.252		13.5	10.0	35.2*	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.173	4.092		12.9	10.0	28.9	30.0
Chloromethane	Ave	0.7823	0.9390		12.0	10.0	20.0	30.0
n-Butane	Ave	1.204	1.464		12.2	10.0	21.6	30.0
Vinyl chloride	Ave	1.001	1.138		11.4	10.0	13.7	30.0
1,3-Butadiene	Ave	0.6746	0.8020		11.9	10.0	18.9	30.0
Bromomethane	Ave	1.062	1.123		10.6	10.0	5.7	30.0
Chloroethane	Ave	0.4621	0.4812		10.4	10.0	4.1	30.0
Isopentane	Ave	0.8366	0.8559		10.2	10.0	2.3	30.0
Bromoethene(Vinyl Bromide)	Ave	1.011	1.181		11.7	10.0	16.8	30.0
Trichlorofluoromethane	Ave	3.449	4.456		12.9	10.0	29.2	30.0
n-Pentane	Ave	1.080	1.173		10.9	10.0	8.6	30.0
Ethanol	Ave	0.2163	0.3161		21.9	15.0	46.2*	30.0
Ethyl ether	Ave	0.5242	0.5907		11.3	10.0	12.7	30.0
Acrolein	Ave	0.2302	0.2377		10.3	10.0	3.2	30.0
Freon TF	Ave	2.031	2.349		11.6	10.0	15.7	30.0
1,1-Dichloroethene	Ave	0.8983	0.9647		10.7	10.0	7.4	30.0
Acetone	Ave	1.369	1.654		12.1	10.0	20.8	30.0
Carbon disulfide	Ave	2.333	2.333		10.0	10.0	0.0	30.0
Isopropyl alcohol	Ave	0.9333	0.9611		10.3	10.0	3.0	30.0
3-Chloropropene	Ave	0.8482	0.9537		11.2	10.0	12.4	30.0
Acetonitrile	Ave	0.4510	0.4723		10.5	10.0	4.7	30.0
Methylene Chloride	Ave	0.9311	1.031		11.1	10.0	10.7	30.0
tert-Butyl alcohol	Ave	1.796	1.993		11.1	10.0	11.0	30.0
Methyl tert-butyl ether	Ave	2.946	3.517		11.9	10.0	19.4	30.0
trans-1,2-Dichloroethene	Ave	1.329	1.511		11.4	10.0	13.7	30.0
Acrylonitrile	Ave	0.5004	0.5212		10.4	10.0	4.1	30.0
n-Hexane	Ave	1.107	1.218		11.0	10.0	10.1	30.0
1,1-Dichloroethane	Ave	1.618	1.788		11.0	10.0	10.5	30.0
Vinyl acetate	Ave	1.964	2.175		11.1	10.0	10.7	30.0
cis-1,2-Dichloroethene	Ave	1.034	1.045		10.1	10.0	1.1	30.0
Methyl Ethyl Ketone	Ave	0.4258	0.4307		10.1	10.0	1.1	30.0
Ethyl acetate	Ave	0.0775	0.0767		9.89	10.0	-1.1	30.0
Tetrahydrofuran	Ave	0.1664	0.1721		10.3	10.0	3.4	30.0
Chloroform	Ave	2.498	2.840		11.4	10.0	13.7	30.0
Cyclohexane	Ave	0.2649	0.2701		10.2	10.0	2.0	30.0
1,1,1-Trichloroethane	Ave	0.6682	0.7997		12.0	10.0	19.7	30.0
Carbon tetrachloride	Ave	0.7160	0.8920		12.5	10.0	24.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Lab Sample ID: CCVIS 200-77911/3 Calibration Date: 09/29/2014 09:47

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9716_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.8478	0.8692		10.3	10.0	2.5	30.0
Benzene	Ave	0.5898	0.5801		9.83	10.0	-1.6	30.0
1,2-Dichloroethane	Ave	0.4377	0.5247		12.0	10.0	19.9	30.0
n-Heptane	Ave	0.3001	0.3210		10.7	10.0	6.9	30.0
n-Butanol	Ave	0.0921	0.0789		8.57	10.0	-14.3	30.0
Trichloroethene	Ave	0.3142	0.3362		10.7	10.0	7.0	30.0
1,2-Dichloropropane	Ave	0.2217	0.2259		10.2	10.0	1.9	30.0
Methyl methacrylate	Ave	0.2275	0.2253		9.90	10.0	-1.0	30.0
1,4-Dioxane	Ave	0.0951	0.0781		8.21	10.0	-17.9	30.0
Dibromomethane	Ave	0.2977	0.2750		9.24	10.0	-7.6	30.0
Bromodichloromethane	Ave	0.6689	0.7406		11.1	10.0	10.7	30.0
cis-1,3-Dichloropropene	Ave	0.4030	0.4213		10.5	10.0	4.5	30.0
methyl isobutyl ketone	Ave	0.4935	0.5557		11.3	10.0	12.6	30.0
Toluene	Ave	0.4748	0.4818		10.1	10.0	1.5	30.0
n-Octane	Ave	0.4709	0.5275		11.2	10.0	12.0	30.0
trans-1,3-Dichloropropene	Ave	0.4842	0.5236		10.8	10.0	8.1	30.0
1,1,2-Trichloroethane	Ave	0.2491	0.2489		9.99	10.0	-0.0	30.0
Tetrachloroethene	Ave	0.4463	0.4370		9.79	10.0	-2.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4986	0.5652		11.3	10.0	13.4	30.0
Dibromochloromethane	Ave	0.6368	0.6813		10.7	10.0	7.0	30.0
1,2-Dibromoethane	Ave	0.4938	0.4979		10.1	10.0	0.8	30.0
Chlorobenzene	Ave	0.6722	0.6683		9.94	10.0	-0.6	30.0
Ethylbenzene	Ave	1.164	1.226		10.5	10.0	5.4	30.0
n-Nonane	Ave	0.4828	0.5180		10.7	10.0	7.3	30.0
m,p-Xylene	Ave	0.4443	0.4418		19.9	20.0	-0.6	30.0
Xylene, o-	Ave	0.4375	0.4474		10.2	10.0	2.3	30.0
Styrene	Ave	0.6665	0.6773		10.2	10.0	1.6	30.0
Bromoform	Ave	0.6477	0.7102		11.0	10.0	9.7	30.0
Cumene	Ave	1.337	1.430		10.7	10.0	6.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6712	0.6697		9.98	10.0	-0.2	30.0
n-Propylbenzene	Ave	1.619	1.788		11.0	10.0	10.4	30.0
1,2,3-Trichloropropane	Ave	0.6282	0.6644		10.6	10.0	5.8	30.0
n-Decane	Ave	0.6669	0.7063		10.6	10.0	5.9	30.0
4-Ethyltoluene	Ave	1.396	1.485		10.6	10.0	6.3	30.0
2-Chlorotoluene	Ave	1.284	1.394		10.9	10.0	8.6	30.0
1,3,5-Trimethylbenzene	Ave	1.203	1.284		10.7	10.0	6.7	30.0
Alpha Methyl Styrene	Ave	0.5491	0.5682		10.3	10.0	3.5	30.0
tert-Butylbenzene	Ave	1.157	1.208		10.4	10.0	4.4	30.0
1,2,4-Trimethylbenzene	Ave	1.220	1.311		10.7	10.0	7.5	30.0
sec-Butylbenzene	Ave	1.622	1.759		10.8	10.0	8.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Lab Sample ID: CCVIS 200-77911/3 Calibration Date: 09/29/2014 09:47

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9716_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.458	1.563		10.7	10.0	7.2	30.0
1,3-Dichlorobenzene	Ave	0.8501	0.8232		9.68	10.0	-3.2	30.0
1,4-Dichlorobenzene	Ave	0.8485	0.8350		9.84	10.0	-1.6	30.0
Benzyl chloride	Ave	1.058	1.151		10.9	10.0	8.8	30.0
n-Butylbenzene	Ave	1.418	1.575		11.1	10.0	11.1	30.0
n-Undecane	Ave	0.7877	0.8395		10.7	10.0	6.6	30.0
1,2-Dichlorobenzene	Ave	0.7925	0.7748		9.77	10.0	-2.2	30.0
n-Dodecane	Ave	0.8191	0.8695		10.6	10.0	6.2	30.0
1,2,4-Trichlorobenzene	Ave	0.7264	0.7512		10.3	10.0	3.4	30.0
Hexachlorobutadiene	Ave	0.7542	0.8890		11.8	10.0	17.9	30.0
Naphthalene	Ave	1.352	1.469		10.9	10.0	8.6	30.0
1,2,3-Trichlorobenzene	Ave	0.6404	0.6756		10.5	10.0	5.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Lab Sample ID: ICV 200-76115/13 Calibration Date: 08/15/2014 19:19

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9029_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5719	0.4947		8.65	10.0	-13.5	30.0
Dichlorodifluoromethane	Ave	3.792	3.550		9.36	10.0	-6.4	30.0
Freon 22	Ave	1.666	1.543		9.26	10.0	-7.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.173	3.409		10.7	10.0	7.4	30.0
Chloromethane	Ave	0.7823	0.7197		9.20	10.0	-8.0	30.0
n-Butane	Ave	1.204	1.117		9.27	10.0	-7.2	30.0
Vinyl chloride	Ave	1.001	0.9581		9.57	10.0	-4.3	30.0
1,3-Butadiene	Ave	0.6746	0.6518		9.66	10.0	-3.4	30.0
Bromomethane	Ave	1.062	1.025		9.65	10.0	-3.5	30.0
Chloroethane	Ave	0.4621	0.4367		9.45	10.0	-5.5	30.0
Isopentane	Ave	0.8366	0.7937		9.48	10.0	-5.1	30.0
Bromoethene(Vinyl Bromide)	Ave	1.011	0.9513		9.40	10.0	-5.9	30.0
Trichlorofluoromethane	Ave	3.449	3.162		9.17	10.0	-8.3	30.0
n-Pentane	Ave	1.080	1.132		10.5	10.0	4.8	30.0
Ethanol	Ave	0.2163	0.2724		18.9	15.0	25.9	30.0
Ethyl ether	Ave	0.5242	0.5790		11.0	10.0	10.5	30.0
Acrolein	Ave	0.2302	0.2922		12.7	10.0	26.9	30.0
Freon TF	Ave	2.031	1.951		9.61	10.0	-3.9	30.0
1,1-Dichloroethene	Ave	0.8983	0.8531		9.50	10.0	-5.0	30.0
Acetone	Ave	1.369	1.164		8.51	10.0	-14.9	30.0
Carbon disulfide	Ave	2.333	2.541		10.9	10.0	8.9	30.0
Isopropyl alcohol	Ave	0.9333	0.7631		8.17	10.0	-18.2	30.0
3-Chloropropene	Ave	0.8482	0.7803		9.20	10.0	-8.0	30.0
Acetonitrile	Ave	0.4510	0.4293		9.52	10.0	-4.8	30.0
Methylene Chloride	Ave	0.9311	0.8295		8.91	10.0	-10.9	30.0
tert-Butyl alcohol	Ave	1.796	1.484		8.26	10.0	-17.4	30.0
Methyl tert-butyl ether	Ave	2.946	2.821		9.57	10.0	-4.3	30.0
trans-1,2-Dichloroethene	Ave	1.329	1.340		10.1	10.0	0.8	30.0
Acrylonitrile	Ave	0.5004	0.5037		10.1	10.0	0.7	30.0
n-Hexane	Ave	1.107	1.157		10.5	10.0	4.5	30.0
1,1-Dichloroethane	Ave	1.618	1.604		9.91	10.0	-0.9	30.0
Vinyl acetate	Ave	1.964	1.833		9.33	10.0	-6.7	30.0
cis-1,2-Dichloroethene	Ave	1.034	0.9874		9.55	10.0	-4.5	30.0
Methyl Ethyl Ketone	Ave	0.4258	0.3928		9.22	10.0	-7.7	30.0
Ethyl acetate	Ave	0.0775	0.0787		10.1	10.0	1.5	30.0
Tetrahydrofuran	Ave	0.1664	0.1572		9.44	10.0	-5.5	30.0
Chloroform	Ave	2.498	2.404		9.62	10.0	-3.8	30.0
Cyclohexane	Ave	0.2649	0.2608		9.85	10.0	-1.5	30.0
1,1,1-Trichloroethane	Ave	0.6682	0.6260		9.37	10.0	-6.3	30.0
Carbon tetrachloride	Ave	0.7160	0.6864		9.58	10.0	-4.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Lab Sample ID: ICV 200-76115/13 Calibration Date: 08/15/2014 19:19

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9029_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.8478	0.8086		9.54	10.0	-4.6	30.0
Benzene	Ave	0.5898	0.5703		9.67	10.0	-3.3	30.0
1,2-Dichloroethane	Ave	0.4377	0.4088		9.34	10.0	-6.6	30.0
n-Heptane	Ave	0.3001	0.2824		9.41	10.0	-5.9	30.0
n-Butanol	Ave	0.0921	0.0882		9.58	10.0	-4.2	30.0
Trichloroethene	Ave	0.3142	0.3179		10.1	10.0	1.2	30.0
1,2-Dichloropropane	Ave	0.2217	0.2116		9.54	10.0	-4.6	30.0
Methyl methacrylate	Ave	0.2275	0.2261		9.93	10.0	-0.6	30.0
1,4-Dioxane	Ave	0.0951	0.0853		8.97	10.0	-10.3	30.0
Dibromomethane	Ave	0.2977	0.2907		9.76	10.0	-2.4	30.0
Bromodichloromethane	Ave	0.6689	0.6386		9.55	10.0	-4.5	30.0
cis-1,3-Dichloropropene	Ave	0.4030	0.4038		10.0	10.0	0.2	30.0
methyl isobutyl ketone	Ave	0.4935	0.4494		9.10	10.0	-8.9	30.0
Toluene	Ave	0.4748	0.4734		9.97	10.0	-0.3	30.0
n-Octane	Ave	0.4709	0.4421		9.39	10.0	-6.1	30.0
trans-1,3-Dichloropropene	Ave	0.4842	0.4801		9.91	10.0	-0.9	30.0
1,1,2-Trichloroethane	Ave	0.2491	0.2482		9.96	10.0	-0.4	30.0
Tetrachloroethene	Ave	0.4463	0.4479		10.0	10.0	0.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4986	0.4603		9.23	10.0	-7.7	30.0
Dibromochloromethane	Ave	0.6368	0.6271		9.84	10.0	-1.5	30.0
1,2-Dibromoethane	Ave	0.4938	0.5013		10.1	10.0	1.5	30.0
Chlorobenzene	Ave	0.6722	0.6666		9.91	10.0	-0.8	30.0
Ethylbenzene	Ave	1.164	1.147		9.86	10.0	-1.4	30.0
n-Nonane	Ave	0.4828	0.4697		9.73	10.0	-2.7	30.0
m,p-Xylene	Ave	0.4443	0.4342		19.5	20.0	-2.3	30.0
Xylene, o-	Ave	0.4375	0.4283		9.79	10.0	-2.1	30.0
Styrene	Ave	0.6665	0.6726		10.1	10.0	0.9	30.0
Bromoform	Ave	0.6477	0.6544		10.1	10.0	1.0	30.0
Cumene	Ave	1.337	1.324		9.90	10.0	-1.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6712	0.6626		9.87	10.0	-1.3	30.0
n-Propylbenzene	Ave	1.619	1.590		9.82	10.0	-1.8	30.0
1,2,3-Trichloropropane	Ave	0.6282	0.5777		9.19	10.0	-8.1	30.0
n-Decane	Ave	0.6669	0.6236		9.35	10.0	-6.5	30.0
4-Ethyltoluene	Ave	1.396	1.397		10.0	10.0	0.0	30.0
2-Chlorotoluene	Ave	1.284	1.225		9.54	10.0	-4.5	30.0
1,3,5-Trimethylbenzene	Ave	1.203	1.191		9.90	10.0	-1.0	30.0
Alpha Methyl Styrene	Ave	0.5491	0.5676		10.3	10.0	3.4	30.0
tert-Butylbenzene	Ave	1.157	1.128		9.75	10.0	-2.5	30.0
1,2,4-Trimethylbenzene	Ave	1.220	1.205		9.88	10.0	-1.2	30.0
sec-Butylbenzene	Ave	1.622	1.611		9.93	10.0	-0.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Lab Sample ID: ICV 200-76115/13 Calibration Date: 08/15/2014 19:19

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9029_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.458	1.465		10.0	10.0	0.5	30.0
1,3-Dichlorobenzene	Ave	0.8501	0.8225		9.67	10.0	-3.2	30.0
1,4-Dichlorobenzene	Ave	0.8485	0.8277		9.75	10.0	-2.5	30.0
Benzyl chloride	Ave	1.058	1.187		11.2	10.0	12.2	30.0
n-Butylbenzene	Ave	1.418	1.391		9.81	10.0	-1.9	30.0
n-Undecane	Ave	0.7877	0.7479		9.49	10.0	-5.1	30.0
1,2-Dichlorobenzene	Ave	0.7925	0.7736		9.76	10.0	-2.4	30.0
n-Dodecane	Ave	0.8191	0.7987		9.75	10.0	-2.5	30.0
1,2,4-Trichlorobenzene	Ave	0.7264	0.6979		9.61	10.0	-3.9	30.0
Hexachlorobutadiene	Ave	0.7542	0.7351		9.75	10.0	-2.5	30.0
Naphthalene	Ave	1.352	1.349		9.97	10.0	-0.3	30.0
1,2,3-Trichlorobenzene	Ave	0.6404	0.6217		9.71	10.0	-2.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Lab Sample ID: CCVIS 200-77911/3 Calibration Date: 09/29/2014 09:47

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9716_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5719	0.7416		13.0	10.0	29.7	30.0
Dichlorodifluoromethane	Ave	3.792	5.338		14.1	10.0	40.8*	30.0
Freon 22	Ave	1.666	2.252		13.5	10.0	35.2*	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.173	4.092		12.9	10.0	28.9	30.0
Chloromethane	Ave	0.7823	0.9390		12.0	10.0	20.0	30.0
n-Butane	Ave	1.204	1.464		12.2	10.0	21.6	30.0
Vinyl chloride	Ave	1.001	1.138		11.4	10.0	13.7	30.0
1,3-Butadiene	Ave	0.6746	0.8020		11.9	10.0	18.9	30.0
Bromomethane	Ave	1.062	1.123		10.6	10.0	5.7	30.0
Chloroethane	Ave	0.4621	0.4812		10.4	10.0	4.1	30.0
Isopentane	Ave	0.8366	0.8559		10.2	10.0	2.3	30.0
Bromoethene(Vinyl Bromide)	Ave	1.011	1.181		11.7	10.0	16.8	30.0
Trichlorofluoromethane	Ave	3.449	4.456		12.9	10.0	29.2	30.0
n-Pentane	Ave	1.080	1.173		10.9	10.0	8.6	30.0
Ethanol	Ave	0.2163	0.3161		21.9	15.0	46.2*	30.0
Ethyl ether	Ave	0.5242	0.5907		11.3	10.0	12.7	30.0
Acrolein	Ave	0.2302	0.2377		10.3	10.0	3.2	30.0
Freon TF	Ave	2.031	2.349		11.6	10.0	15.7	30.0
1,1-Dichloroethene	Ave	0.8983	0.9647		10.7	10.0	7.4	30.0
Acetone	Ave	1.369	1.654		12.1	10.0	20.8	30.0
Carbon disulfide	Ave	2.333	2.333		10.0	10.0	0.0	30.0
Isopropyl alcohol	Ave	0.9333	0.9611		10.3	10.0	3.0	30.0
3-Chloropropene	Ave	0.8482	0.9537		11.2	10.0	12.4	30.0
Acetonitrile	Ave	0.4510	0.4723		10.5	10.0	4.7	30.0
Methylene Chloride	Ave	0.9311	1.031		11.1	10.0	10.7	30.0
tert-Butyl alcohol	Ave	1.796	1.993		11.1	10.0	11.0	30.0
Methyl tert-butyl ether	Ave	2.946	3.517		11.9	10.0	19.4	30.0
trans-1,2-Dichloroethene	Ave	1.329	1.511		11.4	10.0	13.7	30.0
Acrylonitrile	Ave	0.5004	0.5212		10.4	10.0	4.1	30.0
n-Hexane	Ave	1.107	1.218		11.0	10.0	10.1	30.0
1,1-Dichloroethane	Ave	1.618	1.788		11.0	10.0	10.5	30.0
Vinyl acetate	Ave	1.964	2.175		11.1	10.0	10.7	30.0
cis-1,2-Dichloroethene	Ave	1.034	1.045		10.1	10.0	1.1	30.0
Methyl Ethyl Ketone	Ave	0.4258	0.4307		10.1	10.0	1.1	30.0
Ethyl acetate	Ave	0.0775	0.0767		9.89	10.0	-1.1	30.0
Tetrahydrofuran	Ave	0.1664	0.1721		10.3	10.0	3.4	30.0
Chloroform	Ave	2.498	2.840		11.4	10.0	13.7	30.0
Cyclohexane	Ave	0.2649	0.2701		10.2	10.0	2.0	30.0
1,1,1-Trichloroethane	Ave	0.6682	0.7997		12.0	10.0	19.7	30.0
Carbon tetrachloride	Ave	0.7160	0.8920		12.5	10.0	24.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Lab Sample ID: CCVIS 200-77911/3 Calibration Date: 09/29/2014 09:47

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9716_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.8478	0.8692		10.3	10.0	2.5	30.0
Benzene	Ave	0.5898	0.5801		9.83	10.0	-1.6	30.0
1,2-Dichloroethane	Ave	0.4377	0.5247		12.0	10.0	19.9	30.0
n-Heptane	Ave	0.3001	0.3210		10.7	10.0	6.9	30.0
n-Butanol	Ave	0.0921	0.0789		8.57	10.0	-14.3	30.0
Trichloroethene	Ave	0.3142	0.3362		10.7	10.0	7.0	30.0
1,2-Dichloropropane	Ave	0.2217	0.2259		10.2	10.0	1.9	30.0
Methyl methacrylate	Ave	0.2275	0.2253		9.90	10.0	-1.0	30.0
1,4-Dioxane	Ave	0.0951	0.0781		8.21	10.0	-17.9	30.0
Dibromomethane	Ave	0.2977	0.2750		9.24	10.0	-7.6	30.0
Bromodichloromethane	Ave	0.6689	0.7406		11.1	10.0	10.7	30.0
cis-1,3-Dichloropropene	Ave	0.4030	0.4213		10.5	10.0	4.5	30.0
methyl isobutyl ketone	Ave	0.4935	0.5557		11.3	10.0	12.6	30.0
Toluene	Ave	0.4748	0.4818		10.1	10.0	1.5	30.0
n-Octane	Ave	0.4709	0.5275		11.2	10.0	12.0	30.0
trans-1,3-Dichloropropene	Ave	0.4842	0.5236		10.8	10.0	8.1	30.0
1,1,2-Trichloroethane	Ave	0.2491	0.2489		9.99	10.0	-0.0	30.0
Tetrachloroethene	Ave	0.4463	0.4370		9.79	10.0	-2.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4986	0.5652		11.3	10.0	13.4	30.0
Dibromochloromethane	Ave	0.6368	0.6813		10.7	10.0	7.0	30.0
1,2-Dibromoethane	Ave	0.4938	0.4979		10.1	10.0	0.8	30.0
Chlorobenzene	Ave	0.6722	0.6683		9.94	10.0	-0.6	30.0
Ethylbenzene	Ave	1.164	1.226		10.5	10.0	5.4	30.0
n-Nonane	Ave	0.4828	0.5180		10.7	10.0	7.3	30.0
m,p-Xylene	Ave	0.4443	0.4418		19.9	20.0	-0.6	30.0
Xylene, o-	Ave	0.4375	0.4474		10.2	10.0	2.3	30.0
Styrene	Ave	0.6665	0.6773		10.2	10.0	1.6	30.0
Bromoform	Ave	0.6477	0.7102		11.0	10.0	9.7	30.0
Cumene	Ave	1.337	1.430		10.7	10.0	6.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6712	0.6697		9.98	10.0	-0.2	30.0
n-Propylbenzene	Ave	1.619	1.788		11.0	10.0	10.4	30.0
1,2,3-Trichloropropane	Ave	0.6282	0.6644		10.6	10.0	5.8	30.0
n-Decane	Ave	0.6669	0.7063		10.6	10.0	5.9	30.0
4-Ethyltoluene	Ave	1.396	1.485		10.6	10.0	6.3	30.0
2-Chlorotoluene	Ave	1.284	1.394		10.9	10.0	8.6	30.0
1,3,5-Trimethylbenzene	Ave	1.203	1.284		10.7	10.0	6.7	30.0
Alpha Methyl Styrene	Ave	0.5491	0.5682		10.3	10.0	3.5	30.0
tert-Butylbenzene	Ave	1.157	1.208		10.4	10.0	4.4	30.0
1,2,4-Trimethylbenzene	Ave	1.220	1.311		10.7	10.0	7.5	30.0
sec-Butylbenzene	Ave	1.622	1.759		10.8	10.0	8.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Lab Sample ID: CCVIS 200-77911/3 Calibration Date: 09/29/2014 09:47

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9716_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.458	1.563		10.7	10.0	7.2	30.0
1,3-Dichlorobenzene	Ave	0.8501	0.8232		9.68	10.0	-3.2	30.0
1,4-Dichlorobenzene	Ave	0.8485	0.8350		9.84	10.0	-1.6	30.0
Benzyl chloride	Ave	1.058	1.151		10.9	10.0	8.8	30.0
n-Butylbenzene	Ave	1.418	1.575		11.1	10.0	11.1	30.0
n-Undecane	Ave	0.7877	0.8395		10.7	10.0	6.6	30.0
1,2-Dichlorobenzene	Ave	0.7925	0.7748		9.77	10.0	-2.2	30.0
n-Dodecane	Ave	0.8191	0.8695		10.6	10.0	6.2	30.0
1,2,4-Trichlorobenzene	Ave	0.7264	0.7512		10.3	10.0	3.4	30.0
Hexachlorobutadiene	Ave	0.7542	0.8890		11.8	10.0	17.9	30.0
Naphthalene	Ave	1.352	1.469		10.9	10.0	8.6	30.0
1,2,3-Trichlorobenzene	Ave	0.6404	0.6756		10.5	10.0	5.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Lab Sample ID: ICV 200-76115/13 Calibration Date: 08/15/2014 19:19

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9029_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5719	0.4947		8.65	10.0	-13.5	30.0
Dichlorodifluoromethane	Ave	3.792	3.550		9.36	10.0	-6.4	30.0
Freon 22	Ave	1.666	1.543		9.26	10.0	-7.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.173	3.409		10.7	10.0	7.4	30.0
Chloromethane	Ave	0.7823	0.7197		9.20	10.0	-8.0	30.0
n-Butane	Ave	1.204	1.117		9.27	10.0	-7.2	30.0
Vinyl chloride	Ave	1.001	0.9581		9.57	10.0	-4.3	30.0
1,3-Butadiene	Ave	0.6746	0.6518		9.66	10.0	-3.4	30.0
Bromomethane	Ave	1.062	1.025		9.65	10.0	-3.5	30.0
Chloroethane	Ave	0.4621	0.4367		9.45	10.0	-5.5	30.0
Isopentane	Ave	0.8366	0.7937		9.48	10.0	-5.1	30.0
Bromoethene(Vinyl Bromide)	Ave	1.011	0.9513		9.40	10.0	-5.9	30.0
Trichlorofluoromethane	Ave	3.449	3.162		9.17	10.0	-8.3	30.0
n-Pentane	Ave	1.080	1.132		10.5	10.0	4.8	30.0
Ethanol	Ave	0.2163	0.2724		18.9	15.0	25.9	30.0
Ethyl ether	Ave	0.5242	0.5790		11.0	10.0	10.5	30.0
Acrolein	Ave	0.2302	0.2922		12.7	10.0	26.9	30.0
Freon TF	Ave	2.031	1.951		9.61	10.0	-3.9	30.0
1,1-Dichloroethene	Ave	0.8983	0.8531		9.50	10.0	-5.0	30.0
Acetone	Ave	1.369	1.164		8.51	10.0	-14.9	30.0
Carbon disulfide	Ave	2.333	2.541		10.9	10.0	8.9	30.0
Isopropyl alcohol	Ave	0.9333	0.7631		8.17	10.0	-18.2	30.0
3-Chloropropene	Ave	0.8482	0.7803		9.20	10.0	-8.0	30.0
Acetonitrile	Ave	0.4510	0.4293		9.52	10.0	-4.8	30.0
Methylene Chloride	Ave	0.9311	0.8295		8.91	10.0	-10.9	30.0
tert-Butyl alcohol	Ave	1.796	1.484		8.26	10.0	-17.4	30.0
Methyl tert-butyl ether	Ave	2.946	2.821		9.57	10.0	-4.3	30.0
trans-1,2-Dichloroethene	Ave	1.329	1.340		10.1	10.0	0.8	30.0
Acrylonitrile	Ave	0.5004	0.5037		10.1	10.0	0.7	30.0
n-Hexane	Ave	1.107	1.157		10.5	10.0	4.5	30.0
1,1-Dichloroethane	Ave	1.618	1.604		9.91	10.0	-0.9	30.0
Vinyl acetate	Ave	1.964	1.833		9.33	10.0	-6.7	30.0
cis-1,2-Dichloroethene	Ave	1.034	0.9874		9.55	10.0	-4.5	30.0
Methyl Ethyl Ketone	Ave	0.4258	0.3928		9.22	10.0	-7.7	30.0
Ethyl acetate	Ave	0.0775	0.0787		10.1	10.0	1.5	30.0
Tetrahydrofuran	Ave	0.1664	0.1572		9.44	10.0	-5.5	30.0
Chloroform	Ave	2.498	2.404		9.62	10.0	-3.8	30.0
Cyclohexane	Ave	0.2649	0.2608		9.85	10.0	-1.5	30.0
1,1,1-Trichloroethane	Ave	0.6682	0.6260		9.37	10.0	-6.3	30.0
Carbon tetrachloride	Ave	0.7160	0.6864		9.58	10.0	-4.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Lab Sample ID: ICV 200-76115/13 Calibration Date: 08/15/2014 19:19

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9029_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.8478	0.8086		9.54	10.0	-4.6	30.0
Benzene	Ave	0.5898	0.5703		9.67	10.0	-3.3	30.0
1,2-Dichloroethane	Ave	0.4377	0.4088		9.34	10.0	-6.6	30.0
n-Heptane	Ave	0.3001	0.2824		9.41	10.0	-5.9	30.0
n-Butanol	Ave	0.0921	0.0882		9.58	10.0	-4.2	30.0
Trichloroethene	Ave	0.3142	0.3179		10.1	10.0	1.2	30.0
1,2-Dichloropropane	Ave	0.2217	0.2116		9.54	10.0	-4.6	30.0
Methyl methacrylate	Ave	0.2275	0.2261		9.93	10.0	-0.6	30.0
1,4-Dioxane	Ave	0.0951	0.0853		8.97	10.0	-10.3	30.0
Dibromomethane	Ave	0.2977	0.2907		9.76	10.0	-2.4	30.0
Bromodichloromethane	Ave	0.6689	0.6386		9.55	10.0	-4.5	30.0
cis-1,3-Dichloropropene	Ave	0.4030	0.4038		10.0	10.0	0.2	30.0
methyl isobutyl ketone	Ave	0.4935	0.4494		9.10	10.0	-8.9	30.0
Toluene	Ave	0.4748	0.4734		9.97	10.0	-0.3	30.0
n-Octane	Ave	0.4709	0.4421		9.39	10.0	-6.1	30.0
trans-1,3-Dichloropropene	Ave	0.4842	0.4801		9.91	10.0	-0.9	30.0
1,1,2-Trichloroethane	Ave	0.2491	0.2482		9.96	10.0	-0.4	30.0
Tetrachloroethene	Ave	0.4463	0.4479		10.0	10.0	0.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4986	0.4603		9.23	10.0	-7.7	30.0
Dibromochloromethane	Ave	0.6368	0.6271		9.84	10.0	-1.5	30.0
1,2-Dibromoethane	Ave	0.4938	0.5013		10.1	10.0	1.5	30.0
Chlorobenzene	Ave	0.6722	0.6666		9.91	10.0	-0.8	30.0
Ethylbenzene	Ave	1.164	1.147		9.86	10.0	-1.4	30.0
n-Nonane	Ave	0.4828	0.4697		9.73	10.0	-2.7	30.0
m,p-Xylene	Ave	0.4443	0.4342		19.5	20.0	-2.3	30.0
Xylene, o-	Ave	0.4375	0.4283		9.79	10.0	-2.1	30.0
Styrene	Ave	0.6665	0.6726		10.1	10.0	0.9	30.0
Bromoform	Ave	0.6477	0.6544		10.1	10.0	1.0	30.0
Cumene	Ave	1.337	1.324		9.90	10.0	-1.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6712	0.6626		9.87	10.0	-1.3	30.0
n-Propylbenzene	Ave	1.619	1.590		9.82	10.0	-1.8	30.0
1,2,3-Trichloropropane	Ave	0.6282	0.5777		9.19	10.0	-8.1	30.0
n-Decane	Ave	0.6669	0.6236		9.35	10.0	-6.5	30.0
4-Ethyltoluene	Ave	1.396	1.397		10.0	10.0	0.0	30.0
2-Chlorotoluene	Ave	1.284	1.225		9.54	10.0	-4.5	30.0
1,3,5-Trimethylbenzene	Ave	1.203	1.191		9.90	10.0	-1.0	30.0
Alpha Methyl Styrene	Ave	0.5491	0.5676		10.3	10.0	3.4	30.0
tert-Butylbenzene	Ave	1.157	1.128		9.75	10.0	-2.5	30.0
1,2,4-Trimethylbenzene	Ave	1.220	1.205		9.88	10.0	-1.2	30.0
sec-Butylbenzene	Ave	1.622	1.611		9.93	10.0	-0.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Lab Sample ID: ICV 200-76115/13 Calibration Date: 08/15/2014 19:19

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9029_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.458	1.465		10.0	10.0	0.5	30.0
1,3-Dichlorobenzene	Ave	0.8501	0.8225		9.67	10.0	-3.2	30.0
1,4-Dichlorobenzene	Ave	0.8485	0.8277		9.75	10.0	-2.5	30.0
Benzyl chloride	Ave	1.058	1.187		11.2	10.0	12.2	30.0
n-Butylbenzene	Ave	1.418	1.391		9.81	10.0	-1.9	30.0
n-Undecane	Ave	0.7877	0.7479		9.49	10.0	-5.1	30.0
1,2-Dichlorobenzene	Ave	0.7925	0.7736		9.76	10.0	-2.4	30.0
n-Dodecane	Ave	0.8191	0.7987		9.75	10.0	-2.5	30.0
1,2,4-Trichlorobenzene	Ave	0.7264	0.6979		9.61	10.0	-3.9	30.0
Hexachlorobutadiene	Ave	0.7542	0.7351		9.75	10.0	-2.5	30.0
Naphthalene	Ave	1.352	1.349		9.97	10.0	-0.3	30.0
1,2,3-Trichlorobenzene	Ave	0.6404	0.6217		9.71	10.0	-2.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Lab Sample ID: CCVIS 200-77911/3 Calibration Date: 09/29/2014 09:47

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9716_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5719	0.7416		13.0	10.0	29.7	30.0
Dichlorodifluoromethane	Ave	3.792	5.338		14.1	10.0	40.8*	30.0
Freon 22	Ave	1.666	2.252		13.5	10.0	35.2*	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.173	4.092		12.9	10.0	28.9	30.0
Chloromethane	Ave	0.7823	0.9390		12.0	10.0	20.0	30.0
n-Butane	Ave	1.204	1.464		12.2	10.0	21.6	30.0
Vinyl chloride	Ave	1.001	1.138		11.4	10.0	13.7	30.0
1,3-Butadiene	Ave	0.6746	0.8020		11.9	10.0	18.9	30.0
Bromomethane	Ave	1.062	1.123		10.6	10.0	5.7	30.0
Chloroethane	Ave	0.4621	0.4812		10.4	10.0	4.1	30.0
Isopentane	Ave	0.8366	0.8559		10.2	10.0	2.3	30.0
Bromoethene(Vinyl Bromide)	Ave	1.011	1.181		11.7	10.0	16.8	30.0
Trichlorofluoromethane	Ave	3.449	4.456		12.9	10.0	29.2	30.0
n-Pentane	Ave	1.080	1.173		10.9	10.0	8.6	30.0
Ethanol	Ave	0.2163	0.3161		21.9	15.0	46.2*	30.0
Ethyl ether	Ave	0.5242	0.5907		11.3	10.0	12.7	30.0
Acrolein	Ave	0.2302	0.2377		10.3	10.0	3.2	30.0
Freon TF	Ave	2.031	2.349		11.6	10.0	15.7	30.0
1,1-Dichloroethene	Ave	0.8983	0.9647		10.7	10.0	7.4	30.0
Acetone	Ave	1.369	1.654		12.1	10.0	20.8	30.0
Carbon disulfide	Ave	2.333	2.333		10.0	10.0	0.0	30.0
Isopropyl alcohol	Ave	0.9333	0.9611		10.3	10.0	3.0	30.0
3-Chloropropene	Ave	0.8482	0.9537		11.2	10.0	12.4	30.0
Acetonitrile	Ave	0.4510	0.4723		10.5	10.0	4.7	30.0
Methylene Chloride	Ave	0.9311	1.031		11.1	10.0	10.7	30.0
tert-Butyl alcohol	Ave	1.796	1.993		11.1	10.0	11.0	30.0
Methyl tert-butyl ether	Ave	2.946	3.517		11.9	10.0	19.4	30.0
trans-1,2-Dichloroethene	Ave	1.329	1.511		11.4	10.0	13.7	30.0
Acrylonitrile	Ave	0.5004	0.5212		10.4	10.0	4.1	30.0
n-Hexane	Ave	1.107	1.218		11.0	10.0	10.1	30.0
1,1-Dichloroethane	Ave	1.618	1.788		11.0	10.0	10.5	30.0
Vinyl acetate	Ave	1.964	2.175		11.1	10.0	10.7	30.0
cis-1,2-Dichloroethene	Ave	1.034	1.045		10.1	10.0	1.1	30.0
Methyl Ethyl Ketone	Ave	0.4258	0.4307		10.1	10.0	1.1	30.0
Ethyl acetate	Ave	0.0775	0.0767		9.89	10.0	-1.1	30.0
Tetrahydrofuran	Ave	0.1664	0.1721		10.3	10.0	3.4	30.0
Chloroform	Ave	2.498	2.840		11.4	10.0	13.7	30.0
Cyclohexane	Ave	0.2649	0.2701		10.2	10.0	2.0	30.0
1,1,1-Trichloroethane	Ave	0.6682	0.7997		12.0	10.0	19.7	30.0
Carbon tetrachloride	Ave	0.7160	0.8920		12.5	10.0	24.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Lab Sample ID: CCVIS 200-77911/3 Calibration Date: 09/29/2014 09:47

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9716_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.8478	0.8692		10.3	10.0	2.5	30.0
Benzene	Ave	0.5898	0.5801		9.83	10.0	-1.6	30.0
1,2-Dichloroethane	Ave	0.4377	0.5247		12.0	10.0	19.9	30.0
n-Heptane	Ave	0.3001	0.3210		10.7	10.0	6.9	30.0
n-Butanol	Ave	0.0921	0.0789		8.57	10.0	-14.3	30.0
Trichloroethene	Ave	0.3142	0.3362		10.7	10.0	7.0	30.0
1,2-Dichloropropane	Ave	0.2217	0.2259		10.2	10.0	1.9	30.0
Methyl methacrylate	Ave	0.2275	0.2253		9.90	10.0	-1.0	30.0
1,4-Dioxane	Ave	0.0951	0.0781		8.21	10.0	-17.9	30.0
Dibromomethane	Ave	0.2977	0.2750		9.24	10.0	-7.6	30.0
Bromodichloromethane	Ave	0.6689	0.7406		11.1	10.0	10.7	30.0
cis-1,3-Dichloropropene	Ave	0.4030	0.4213		10.5	10.0	4.5	30.0
methyl isobutyl ketone	Ave	0.4935	0.5557		11.3	10.0	12.6	30.0
Toluene	Ave	0.4748	0.4818		10.1	10.0	1.5	30.0
n-Octane	Ave	0.4709	0.5275		11.2	10.0	12.0	30.0
trans-1,3-Dichloropropene	Ave	0.4842	0.5236		10.8	10.0	8.1	30.0
1,1,2-Trichloroethane	Ave	0.2491	0.2489		9.99	10.0	-0.0	30.0
Tetrachloroethene	Ave	0.4463	0.4370		9.79	10.0	-2.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4986	0.5652		11.3	10.0	13.4	30.0
Dibromochloromethane	Ave	0.6368	0.6813		10.7	10.0	7.0	30.0
1,2-Dibromoethane	Ave	0.4938	0.4979		10.1	10.0	0.8	30.0
Chlorobenzene	Ave	0.6722	0.6683		9.94	10.0	-0.6	30.0
Ethylbenzene	Ave	1.164	1.226		10.5	10.0	5.4	30.0
n-Nonane	Ave	0.4828	0.5180		10.7	10.0	7.3	30.0
m,p-Xylene	Ave	0.4443	0.4418		19.9	20.0	-0.6	30.0
Xylene, o-	Ave	0.4375	0.4474		10.2	10.0	2.3	30.0
Styrene	Ave	0.6665	0.6773		10.2	10.0	1.6	30.0
Bromoform	Ave	0.6477	0.7102		11.0	10.0	9.7	30.0
Cumene	Ave	1.337	1.430		10.7	10.0	6.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6712	0.6697		9.98	10.0	-0.2	30.0
n-Propylbenzene	Ave	1.619	1.788		11.0	10.0	10.4	30.0
1,2,3-Trichloropropane	Ave	0.6282	0.6644		10.6	10.0	5.8	30.0
n-Decane	Ave	0.6669	0.7063		10.6	10.0	5.9	30.0
4-Ethyltoluene	Ave	1.396	1.485		10.6	10.0	6.3	30.0
2-Chlorotoluene	Ave	1.284	1.394		10.9	10.0	8.6	30.0
1,3,5-Trimethylbenzene	Ave	1.203	1.284		10.7	10.0	6.7	30.0
Alpha Methyl Styrene	Ave	0.5491	0.5682		10.3	10.0	3.5	30.0
tert-Butylbenzene	Ave	1.157	1.208		10.4	10.0	4.4	30.0
1,2,4-Trimethylbenzene	Ave	1.220	1.311		10.7	10.0	7.5	30.0
sec-Butylbenzene	Ave	1.622	1.759		10.8	10.0	8.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Lab Sample ID: CCVIS 200-77911/3 Calibration Date: 09/29/2014 09:47

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9716_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.458	1.563		10.7	10.0	7.2	30.0
1,3-Dichlorobenzene	Ave	0.8501	0.8232		9.68	10.0	-3.2	30.0
1,4-Dichlorobenzene	Ave	0.8485	0.8350		9.84	10.0	-1.6	30.0
Benzyl chloride	Ave	1.058	1.151		10.9	10.0	8.8	30.0
n-Butylbenzene	Ave	1.418	1.575		11.1	10.0	11.1	30.0
n-Undecane	Ave	0.7877	0.8395		10.7	10.0	6.6	30.0
1,2-Dichlorobenzene	Ave	0.7925	0.7748		9.77	10.0	-2.2	30.0
n-Dodecane	Ave	0.8191	0.8695		10.6	10.0	6.2	30.0
1,2,4-Trichlorobenzene	Ave	0.7264	0.7512		10.3	10.0	3.4	30.0
Hexachlorobutadiene	Ave	0.7542	0.8890		11.8	10.0	17.9	30.0
Naphthalene	Ave	1.352	1.469		10.9	10.0	8.6	30.0
1,2,3-Trichlorobenzene	Ave	0.6404	0.6756		10.5	10.0	5.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Lab Sample ID: ICV 200-76115/13 Calibration Date: 08/15/2014 19:19

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9029_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5719	0.4947		8.65	10.0	-13.5	30.0
Dichlorodifluoromethane	Ave	3.792	3.550		9.36	10.0	-6.4	30.0
Freon 22	Ave	1.666	1.543		9.26	10.0	-7.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.173	3.409		10.7	10.0	7.4	30.0
Chloromethane	Ave	0.7823	0.7197		9.20	10.0	-8.0	30.0
n-Butane	Ave	1.204	1.117		9.27	10.0	-7.2	30.0
Vinyl chloride	Ave	1.001	0.9581		9.57	10.0	-4.3	30.0
1,3-Butadiene	Ave	0.6746	0.6518		9.66	10.0	-3.4	30.0
Bromomethane	Ave	1.062	1.025		9.65	10.0	-3.5	30.0
Chloroethane	Ave	0.4621	0.4367		9.45	10.0	-5.5	30.0
Isopentane	Ave	0.8366	0.7937		9.48	10.0	-5.1	30.0
Bromoethene(Vinyl Bromide)	Ave	1.011	0.9513		9.40	10.0	-5.9	30.0
Trichlorofluoromethane	Ave	3.449	3.162		9.17	10.0	-8.3	30.0
n-Pentane	Ave	1.080	1.132		10.5	10.0	4.8	30.0
Ethanol	Ave	0.2163	0.2724		18.9	15.0	25.9	30.0
Ethyl ether	Ave	0.5242	0.5790		11.0	10.0	10.5	30.0
Acrolein	Ave	0.2302	0.2922		12.7	10.0	26.9	30.0
Freon TF	Ave	2.031	1.951		9.61	10.0	-3.9	30.0
1,1-Dichloroethene	Ave	0.8983	0.8531		9.50	10.0	-5.0	30.0
Acetone	Ave	1.369	1.164		8.51	10.0	-14.9	30.0
Carbon disulfide	Ave	2.333	2.541		10.9	10.0	8.9	30.0
Isopropyl alcohol	Ave	0.9333	0.7631		8.17	10.0	-18.2	30.0
3-Chloropropene	Ave	0.8482	0.7803		9.20	10.0	-8.0	30.0
Acetonitrile	Ave	0.4510	0.4293		9.52	10.0	-4.8	30.0
Methylene Chloride	Ave	0.9311	0.8295		8.91	10.0	-10.9	30.0
tert-Butyl alcohol	Ave	1.796	1.484		8.26	10.0	-17.4	30.0
Methyl tert-butyl ether	Ave	2.946	2.821		9.57	10.0	-4.3	30.0
trans-1,2-Dichloroethene	Ave	1.329	1.340		10.1	10.0	0.8	30.0
Acrylonitrile	Ave	0.5004	0.5037		10.1	10.0	0.7	30.0
n-Hexane	Ave	1.107	1.157		10.5	10.0	4.5	30.0
1,1-Dichloroethane	Ave	1.618	1.604		9.91	10.0	-0.9	30.0
Vinyl acetate	Ave	1.964	1.833		9.33	10.0	-6.7	30.0
cis-1,2-Dichloroethene	Ave	1.034	0.9874		9.55	10.0	-4.5	30.0
Methyl Ethyl Ketone	Ave	0.4258	0.3928		9.22	10.0	-7.7	30.0
Ethyl acetate	Ave	0.0775	0.0787		10.1	10.0	1.5	30.0
Tetrahydrofuran	Ave	0.1664	0.1572		9.44	10.0	-5.5	30.0
Chloroform	Ave	2.498	2.404		9.62	10.0	-3.8	30.0
Cyclohexane	Ave	0.2649	0.2608		9.85	10.0	-1.5	30.0
1,1,1-Trichloroethane	Ave	0.6682	0.6260		9.37	10.0	-6.3	30.0
Carbon tetrachloride	Ave	0.7160	0.6864		9.58	10.0	-4.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Lab Sample ID: ICV 200-76115/13 Calibration Date: 08/15/2014 19:19

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9029_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.8478	0.8086		9.54	10.0	-4.6	30.0
Benzene	Ave	0.5898	0.5703		9.67	10.0	-3.3	30.0
1,2-Dichloroethane	Ave	0.4377	0.4088		9.34	10.0	-6.6	30.0
n-Heptane	Ave	0.3001	0.2824		9.41	10.0	-5.9	30.0
n-Butanol	Ave	0.0921	0.0882		9.58	10.0	-4.2	30.0
Trichloroethene	Ave	0.3142	0.3179		10.1	10.0	1.2	30.0
1,2-Dichloropropane	Ave	0.2217	0.2116		9.54	10.0	-4.6	30.0
Methyl methacrylate	Ave	0.2275	0.2261		9.93	10.0	-0.6	30.0
1,4-Dioxane	Ave	0.0951	0.0853		8.97	10.0	-10.3	30.0
Dibromomethane	Ave	0.2977	0.2907		9.76	10.0	-2.4	30.0
Bromodichloromethane	Ave	0.6689	0.6386		9.55	10.0	-4.5	30.0
cis-1,3-Dichloropropene	Ave	0.4030	0.4038		10.0	10.0	0.2	30.0
methyl isobutyl ketone	Ave	0.4935	0.4494		9.10	10.0	-8.9	30.0
Toluene	Ave	0.4748	0.4734		9.97	10.0	-0.3	30.0
n-Octane	Ave	0.4709	0.4421		9.39	10.0	-6.1	30.0
trans-1,3-Dichloropropene	Ave	0.4842	0.4801		9.91	10.0	-0.9	30.0
1,1,2-Trichloroethane	Ave	0.2491	0.2482		9.96	10.0	-0.4	30.0
Tetrachloroethene	Ave	0.4463	0.4479		10.0	10.0	0.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4986	0.4603		9.23	10.0	-7.7	30.0
Dibromochloromethane	Ave	0.6368	0.6271		9.84	10.0	-1.5	30.0
1,2-Dibromoethane	Ave	0.4938	0.5013		10.1	10.0	1.5	30.0
Chlorobenzene	Ave	0.6722	0.6666		9.91	10.0	-0.8	30.0
Ethylbenzene	Ave	1.164	1.147		9.86	10.0	-1.4	30.0
n-Nonane	Ave	0.4828	0.4697		9.73	10.0	-2.7	30.0
m,p-Xylene	Ave	0.4443	0.4342		19.5	20.0	-2.3	30.0
Xylene, o-	Ave	0.4375	0.4283		9.79	10.0	-2.1	30.0
Styrene	Ave	0.6665	0.6726		10.1	10.0	0.9	30.0
Bromoform	Ave	0.6477	0.6544		10.1	10.0	1.0	30.0
Cumene	Ave	1.337	1.324		9.90	10.0	-1.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6712	0.6626		9.87	10.0	-1.3	30.0
n-Propylbenzene	Ave	1.619	1.590		9.82	10.0	-1.8	30.0
1,2,3-Trichloropropane	Ave	0.6282	0.5777		9.19	10.0	-8.1	30.0
n-Decane	Ave	0.6669	0.6236		9.35	10.0	-6.5	30.0
4-Ethyltoluene	Ave	1.396	1.397		10.0	10.0	0.0	30.0
2-Chlorotoluene	Ave	1.284	1.225		9.54	10.0	-4.5	30.0
1,3,5-Trimethylbenzene	Ave	1.203	1.191		9.90	10.0	-1.0	30.0
Alpha Methyl Styrene	Ave	0.5491	0.5676		10.3	10.0	3.4	30.0
tert-Butylbenzene	Ave	1.157	1.128		9.75	10.0	-2.5	30.0
1,2,4-Trimethylbenzene	Ave	1.220	1.205		9.88	10.0	-1.2	30.0
sec-Butylbenzene	Ave	1.622	1.611		9.93	10.0	-0.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Lab Sample ID: ICV 200-76115/13 Calibration Date: 08/15/2014 19:19

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9029_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.458	1.465		10.0	10.0	0.5	30.0
1,3-Dichlorobenzene	Ave	0.8501	0.8225		9.67	10.0	-3.2	30.0
1,4-Dichlorobenzene	Ave	0.8485	0.8277		9.75	10.0	-2.5	30.0
Benzyl chloride	Ave	1.058	1.187		11.2	10.0	12.2	30.0
n-Butylbenzene	Ave	1.418	1.391		9.81	10.0	-1.9	30.0
n-Undecane	Ave	0.7877	0.7479		9.49	10.0	-5.1	30.0
1,2-Dichlorobenzene	Ave	0.7925	0.7736		9.76	10.0	-2.4	30.0
n-Dodecane	Ave	0.8191	0.7987		9.75	10.0	-2.5	30.0
1,2,4-Trichlorobenzene	Ave	0.7264	0.6979		9.61	10.0	-3.9	30.0
Hexachlorobutadiene	Ave	0.7542	0.7351		9.75	10.0	-2.5	30.0
Naphthalene	Ave	1.352	1.349		9.97	10.0	-0.3	30.0
1,2,3-Trichlorobenzene	Ave	0.6404	0.6217		9.71	10.0	-2.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Lab Sample ID: CCVIS 200-77911/3 Calibration Date: 09/29/2014 09:47

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9716_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5719	0.7416		13.0	10.0	29.7	30.0
Dichlorodifluoromethane	Ave	3.792	5.338		14.1	10.0	40.8*	30.0
Freon 22	Ave	1.666	2.252		13.5	10.0	35.2*	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.173	4.092		12.9	10.0	28.9	30.0
Chloromethane	Ave	0.7823	0.9390		12.0	10.0	20.0	30.0
n-Butane	Ave	1.204	1.464		12.2	10.0	21.6	30.0
Vinyl chloride	Ave	1.001	1.138		11.4	10.0	13.7	30.0
1,3-Butadiene	Ave	0.6746	0.8020		11.9	10.0	18.9	30.0
Bromomethane	Ave	1.062	1.123		10.6	10.0	5.7	30.0
Chloroethane	Ave	0.4621	0.4812		10.4	10.0	4.1	30.0
Isopentane	Ave	0.8366	0.8559		10.2	10.0	2.3	30.0
Bromoethene(Vinyl Bromide)	Ave	1.011	1.181		11.7	10.0	16.8	30.0
Trichlorofluoromethane	Ave	3.449	4.456		12.9	10.0	29.2	30.0
n-Pentane	Ave	1.080	1.173		10.9	10.0	8.6	30.0
Ethanol	Ave	0.2163	0.3161		21.9	15.0	46.2*	30.0
Ethyl ether	Ave	0.5242	0.5907		11.3	10.0	12.7	30.0
Acrolein	Ave	0.2302	0.2377		10.3	10.0	3.2	30.0
Freon TF	Ave	2.031	2.349		11.6	10.0	15.7	30.0
1,1-Dichloroethene	Ave	0.8983	0.9647		10.7	10.0	7.4	30.0
Acetone	Ave	1.369	1.654		12.1	10.0	20.8	30.0
Carbon disulfide	Ave	2.333	2.333		10.0	10.0	0.0	30.0
Isopropyl alcohol	Ave	0.9333	0.9611		10.3	10.0	3.0	30.0
3-Chloropropene	Ave	0.8482	0.9537		11.2	10.0	12.4	30.0
Acetonitrile	Ave	0.4510	0.4723		10.5	10.0	4.7	30.0
Methylene Chloride	Ave	0.9311	1.031		11.1	10.0	10.7	30.0
tert-Butyl alcohol	Ave	1.796	1.993		11.1	10.0	11.0	30.0
Methyl tert-butyl ether	Ave	2.946	3.517		11.9	10.0	19.4	30.0
trans-1,2-Dichloroethene	Ave	1.329	1.511		11.4	10.0	13.7	30.0
Acrylonitrile	Ave	0.5004	0.5212		10.4	10.0	4.1	30.0
n-Hexane	Ave	1.107	1.218		11.0	10.0	10.1	30.0
1,1-Dichloroethane	Ave	1.618	1.788		11.0	10.0	10.5	30.0
Vinyl acetate	Ave	1.964	2.175		11.1	10.0	10.7	30.0
cis-1,2-Dichloroethene	Ave	1.034	1.045		10.1	10.0	1.1	30.0
Methyl Ethyl Ketone	Ave	0.4258	0.4307		10.1	10.0	1.1	30.0
Ethyl acetate	Ave	0.0775	0.0767		9.89	10.0	-1.1	30.0
Tetrahydrofuran	Ave	0.1664	0.1721		10.3	10.0	3.4	30.0
Chloroform	Ave	2.498	2.840		11.4	10.0	13.7	30.0
Cyclohexane	Ave	0.2649	0.2701		10.2	10.0	2.0	30.0
1,1,1-Trichloroethane	Ave	0.6682	0.7997		12.0	10.0	19.7	30.0
Carbon tetrachloride	Ave	0.7160	0.8920		12.5	10.0	24.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Lab Sample ID: CCVIS 200-77911/3 Calibration Date: 09/29/2014 09:47

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9716_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.8478	0.8692		10.3	10.0	2.5	30.0
Benzene	Ave	0.5898	0.5801		9.83	10.0	-1.6	30.0
1,2-Dichloroethane	Ave	0.4377	0.5247		12.0	10.0	19.9	30.0
n-Heptane	Ave	0.3001	0.3210		10.7	10.0	6.9	30.0
n-Butanol	Ave	0.0921	0.0789		8.57	10.0	-14.3	30.0
Trichloroethene	Ave	0.3142	0.3362		10.7	10.0	7.0	30.0
1,2-Dichloropropane	Ave	0.2217	0.2259		10.2	10.0	1.9	30.0
Methyl methacrylate	Ave	0.2275	0.2253		9.90	10.0	-1.0	30.0
1,4-Dioxane	Ave	0.0951	0.0781		8.21	10.0	-17.9	30.0
Dibromomethane	Ave	0.2977	0.2750		9.24	10.0	-7.6	30.0
Bromodichloromethane	Ave	0.6689	0.7406		11.1	10.0	10.7	30.0
cis-1,3-Dichloropropene	Ave	0.4030	0.4213		10.5	10.0	4.5	30.0
methyl isobutyl ketone	Ave	0.4935	0.5557		11.3	10.0	12.6	30.0
Toluene	Ave	0.4748	0.4818		10.1	10.0	1.5	30.0
n-Octane	Ave	0.4709	0.5275		11.2	10.0	12.0	30.0
trans-1,3-Dichloropropene	Ave	0.4842	0.5236		10.8	10.0	8.1	30.0
1,1,2-Trichloroethane	Ave	0.2491	0.2489		9.99	10.0	-0.0	30.0
Tetrachloroethene	Ave	0.4463	0.4370		9.79	10.0	-2.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4986	0.5652		11.3	10.0	13.4	30.0
Dibromochloromethane	Ave	0.6368	0.6813		10.7	10.0	7.0	30.0
1,2-Dibromoethane	Ave	0.4938	0.4979		10.1	10.0	0.8	30.0
Chlorobenzene	Ave	0.6722	0.6683		9.94	10.0	-0.6	30.0
Ethylbenzene	Ave	1.164	1.226		10.5	10.0	5.4	30.0
n-Nonane	Ave	0.4828	0.5180		10.7	10.0	7.3	30.0
m,p-Xylene	Ave	0.4443	0.4418		19.9	20.0	-0.6	30.0
Xylene, o-	Ave	0.4375	0.4474		10.2	10.0	2.3	30.0
Styrene	Ave	0.6665	0.6773		10.2	10.0	1.6	30.0
Bromoform	Ave	0.6477	0.7102		11.0	10.0	9.7	30.0
Cumene	Ave	1.337	1.430		10.7	10.0	6.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6712	0.6697		9.98	10.0	-0.2	30.0
n-Propylbenzene	Ave	1.619	1.788		11.0	10.0	10.4	30.0
1,2,3-Trichloropropane	Ave	0.6282	0.6644		10.6	10.0	5.8	30.0
n-Decane	Ave	0.6669	0.7063		10.6	10.0	5.9	30.0
4-Ethyltoluene	Ave	1.396	1.485		10.6	10.0	6.3	30.0
2-Chlorotoluene	Ave	1.284	1.394		10.9	10.0	8.6	30.0
1,3,5-Trimethylbenzene	Ave	1.203	1.284		10.7	10.0	6.7	30.0
Alpha Methyl Styrene	Ave	0.5491	0.5682		10.3	10.0	3.5	30.0
tert-Butylbenzene	Ave	1.157	1.208		10.4	10.0	4.4	30.0
1,2,4-Trimethylbenzene	Ave	1.220	1.311		10.7	10.0	7.5	30.0
sec-Butylbenzene	Ave	1.622	1.759		10.8	10.0	8.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Lab Sample ID: CCVIS 200-77911/3 Calibration Date: 09/29/2014 09:47

Instrument ID: CHC.i Calib Start Date: 08/15/2014 10:29

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2014 16:40

Lab File ID: 9716_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.458	1.563		10.7	10.0	7.2	30.0
1,3-Dichlorobenzene	Ave	0.8501	0.8232		9.68	10.0	-3.2	30.0
1,4-Dichlorobenzene	Ave	0.8485	0.8350		9.84	10.0	-1.6	30.0
Benzyl chloride	Ave	1.058	1.151		10.9	10.0	8.8	30.0
n-Butylbenzene	Ave	1.418	1.575		11.1	10.0	11.1	30.0
n-Undecane	Ave	0.7877	0.8395		10.7	10.0	6.6	30.0
1,2-Dichlorobenzene	Ave	0.7925	0.7748		9.77	10.0	-2.2	30.0
n-Dodecane	Ave	0.8191	0.8695		10.6	10.0	6.2	30.0
1,2,4-Trichlorobenzene	Ave	0.7264	0.7512		10.3	10.0	3.4	30.0
Hexachlorobutadiene	Ave	0.7542	0.8890		11.8	10.0	17.9	30.0
Naphthalene	Ave	1.352	1.469		10.9	10.0	8.6	30.0
1,2,3-Trichlorobenzene	Ave	0.6404	0.6756		10.5	10.0	5.5	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Instrument ID: CHC.i Start Date: 08/15/2014 08:47

Analysis Batch Number: 76115 End Date: 08/16/2014 08:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-76115/1		08/15/2014 08:47	1	9029_001.D	RTX-624 0.32(mm)
VIBLK 200-76115/2		08/15/2014 09:36	1		RTX-624 0.32(mm)
IC 200-76115/3		08/15/2014 10:29	1	9029_003.D	RTX-624 0.32(mm)
IC 200-76115/4		08/15/2014 11:22	1	9029_004.D	RTX-624 0.32(mm)
IC 200-76115/5		08/15/2014 12:16	1	9029_005.D	RTX-624 0.32(mm)
IC 200-76115/6		08/15/2014 13:09	1	9029_006.D	RTX-624 0.32(mm)
ICIS 200-76115/7		08/15/2014 14:01	1	9029_007.D	RTX-624 0.32(mm)
IC 200-76115/8		08/15/2014 14:54	1	9029_008.D	RTX-624 0.32(mm)
IC 200-76115/9		08/15/2014 15:47	1	9029_009.D	RTX-624 0.32(mm)
IC 200-76115/10		08/15/2014 16:40	1	9029_010.D	RTX-624 0.32(mm)
VIBLK 200-76115/11		08/15/2014 17:33	1		RTX-624 0.32(mm)
VIBLK 200-76115/12		08/15/2014 18:26	1		RTX-624 0.32(mm)
ICV 200-76115/13		08/15/2014 19:19	1	9029_013.D	RTX-624 0.32(mm)
ZZZZZ		08/15/2014 20:12	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2014 21:06	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2014 21:58	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2014 23:32	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 00:25	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 01:18	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 02:12	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 03:05	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 03:58	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 04:51	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 05:45	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 06:38	22.2		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 07:31	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 08:24	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24405-1

SDG No.:

Instrument ID: CHC.i Start Date: 09/29/2014 08:05

Analysis Batch Number: 77911 End Date: 09/30/2014 07:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-77911/1		09/29/2014 08:05	1	9716_001.D	RTX-624 0.32(mm)
CCVIS 200-77911/2		09/29/2014 08:54	1		RTX-624 0.32(mm)
CCVIS 200-77911/3		09/29/2014 09:47	1	9716_003.D	RTX-624 0.32(mm)
LCS 200-77911/4		09/29/2014 10:39	1	9716_004.D	RTX-624 0.32(mm)
MB 200-77911/5		09/29/2014 11:33	1	9716_005.D	RTX-624 0.32(mm)
200-24405-7	5029	09/29/2014 12:32	0.2	9716_006.D	RTX-624 0.32(mm)
ZZZZZ		09/29/2014 13:26	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 14:25	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 15:23	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 16:16	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 17:10	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 18:03	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 19:01	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 20:00	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 20:58	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 21:57	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 22:50	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 23:44	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 00:37	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 01:35	0.2		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 02:34	0.2		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 03:33	0.2		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 04:31	0.2		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 05:24	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 06:18	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 07:11	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Instrument ID: CHC.i Start Date: 08/15/2014 08:47

Analysis Batch Number: 76115 End Date: 08/16/2014 08:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-76115/1		08/15/2014 08:47	1	9029_001.D	RTX-624 0.32(mm)
VIBLK 200-76115/2		08/15/2014 09:36	1		RTX-624 0.32(mm)
IC 200-76115/3		08/15/2014 10:29	1	9029_003.D	RTX-624 0.32(mm)
IC 200-76115/4		08/15/2014 11:22	1	9029_004.D	RTX-624 0.32(mm)
IC 200-76115/5		08/15/2014 12:16	1	9029_005.D	RTX-624 0.32(mm)
IC 200-76115/6		08/15/2014 13:09	1	9029_006.D	RTX-624 0.32(mm)
ICIS 200-76115/7		08/15/2014 14:01	1	9029_007.D	RTX-624 0.32(mm)
IC 200-76115/8		08/15/2014 14:54	1	9029_008.D	RTX-624 0.32(mm)
IC 200-76115/9		08/15/2014 15:47	1	9029_009.D	RTX-624 0.32(mm)
IC 200-76115/10		08/15/2014 16:40	1	9029_010.D	RTX-624 0.32(mm)
VIBLK 200-76115/11		08/15/2014 17:33	1		RTX-624 0.32(mm)
VIBLK 200-76115/12		08/15/2014 18:26	1		RTX-624 0.32(mm)
ICV 200-76115/13		08/15/2014 19:19	1	9029_013.D	RTX-624 0.32(mm)
ZZZZZ		08/15/2014 20:12	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2014 21:06	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2014 21:58	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2014 23:32	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 00:25	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 01:18	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 02:12	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 03:05	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 03:58	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 04:51	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 05:45	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 06:38	22.2		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 07:31	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 08:24	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24409-1

SDG No.:

Instrument ID: CHC.i Start Date: 09/29/2014 08:05

Analysis Batch Number: 77911 End Date: 09/30/2014 07:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-77911/1		09/29/2014 08:05	1	9716_001.D	RTX-624 0.32(mm)
CCVIS 200-77911/2		09/29/2014 08:54	1		RTX-624 0.32(mm)
CCVIS 200-77911/3		09/29/2014 09:47	1	9716_003.D	RTX-624 0.32(mm)
LCS 200-77911/4		09/29/2014 10:39	1	9716_004.D	RTX-624 0.32(mm)
MB 200-77911/5		09/29/2014 11:33	1	9716_005.D	RTX-624 0.32(mm)
ZZZZZ		09/29/2014 12:32	0.2		RTX-624 0.32(mm)
200-24409-6	3324	09/29/2014 13:26	0.2	9716_007.D	RTX-624 0.32(mm)
ZZZZZ		09/29/2014 14:25	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 15:23	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 16:16	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 17:10	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 18:03	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 19:01	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 20:00	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 20:58	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 21:57	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 22:50	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 23:44	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 00:37	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 01:35	0.2		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 02:34	0.2		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 03:33	0.2		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 04:31	0.2		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 05:24	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 06:18	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 07:11	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Instrument ID: CHC.i Start Date: 08/15/2014 08:47

Analysis Batch Number: 76115 End Date: 08/16/2014 08:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-76115/1		08/15/2014 08:47	1	9029_001.D	RTX-624 0.32(mm)
VIBLK 200-76115/2		08/15/2014 09:36	1		RTX-624 0.32(mm)
IC 200-76115/3		08/15/2014 10:29	1	9029_003.D	RTX-624 0.32(mm)
IC 200-76115/4		08/15/2014 11:22	1	9029_004.D	RTX-624 0.32(mm)
IC 200-76115/5		08/15/2014 12:16	1	9029_005.D	RTX-624 0.32(mm)
IC 200-76115/6		08/15/2014 13:09	1	9029_006.D	RTX-624 0.32(mm)
ICIS 200-76115/7		08/15/2014 14:01	1	9029_007.D	RTX-624 0.32(mm)
IC 200-76115/8		08/15/2014 14:54	1	9029_008.D	RTX-624 0.32(mm)
IC 200-76115/9		08/15/2014 15:47	1	9029_009.D	RTX-624 0.32(mm)
IC 200-76115/10		08/15/2014 16:40	1	9029_010.D	RTX-624 0.32(mm)
VIBLK 200-76115/11		08/15/2014 17:33	1		RTX-624 0.32(mm)
VIBLK 200-76115/12		08/15/2014 18:26	1		RTX-624 0.32(mm)
ICV 200-76115/13		08/15/2014 19:19	1	9029_013.D	RTX-624 0.32(mm)
ZZZZZ		08/15/2014 20:12	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2014 21:06	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2014 21:58	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2014 23:32	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 00:25	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 01:18	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 02:12	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 03:05	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 03:58	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 04:51	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 05:45	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 06:38	22.2		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 07:31	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 08:24	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24410-1

SDG No.:

Instrument ID: CHC.i Start Date: 09/29/2014 08:05

Analysis Batch Number: 77911 End Date: 09/30/2014 07:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-77911/1		09/29/2014 08:05	1	9716_001.D	RTX-624 0.32(mm)
CCVIS 200-77911/2		09/29/2014 08:54	1		RTX-624 0.32(mm)
CCVIS 200-77911/3		09/29/2014 09:47	1	9716_003.D	RTX-624 0.32(mm)
LCS 200-77911/4		09/29/2014 10:39	1	9716_004.D	RTX-624 0.32(mm)
MB 200-77911/5		09/29/2014 11:33	1	9716_005.D	RTX-624 0.32(mm)
ZZZZZ		09/29/2014 12:32	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 13:26	0.2		RTX-624 0.32(mm)
200-24410-7	2902	09/29/2014 14:25	0.2	9716_008.D	RTX-624 0.32(mm)
ZZZZZ		09/29/2014 15:23	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 16:16	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 17:10	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 18:03	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 19:01	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 20:00	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 20:58	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 21:57	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 22:50	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 23:44	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 00:37	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 01:35	0.2		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 02:34	0.2		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 03:33	0.2		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 04:31	0.2		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 05:24	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 06:18	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 07:11	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Instrument ID: CHC.i Start Date: 08/15/2014 08:47

Analysis Batch Number: 76115 End Date: 08/16/2014 08:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-76115/1		08/15/2014 08:47	1	9029_001.D	RTX-624 0.32(mm)
VIBLK 200-76115/2		08/15/2014 09:36	1		RTX-624 0.32(mm)
IC 200-76115/3		08/15/2014 10:29	1	9029_003.D	RTX-624 0.32(mm)
IC 200-76115/4		08/15/2014 11:22	1	9029_004.D	RTX-624 0.32(mm)
IC 200-76115/5		08/15/2014 12:16	1	9029_005.D	RTX-624 0.32(mm)
IC 200-76115/6		08/15/2014 13:09	1	9029_006.D	RTX-624 0.32(mm)
ICIS 200-76115/7		08/15/2014 14:01	1	9029_007.D	RTX-624 0.32(mm)
IC 200-76115/8		08/15/2014 14:54	1	9029_008.D	RTX-624 0.32(mm)
IC 200-76115/9		08/15/2014 15:47	1	9029_009.D	RTX-624 0.32(mm)
IC 200-76115/10		08/15/2014 16:40	1	9029_010.D	RTX-624 0.32(mm)
VIBLK 200-76115/11		08/15/2014 17:33	1		RTX-624 0.32(mm)
VIBLK 200-76115/12		08/15/2014 18:26	1		RTX-624 0.32(mm)
ICV 200-76115/13		08/15/2014 19:19	1	9029_013.D	RTX-624 0.32(mm)
ZZZZZ		08/15/2014 20:12	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2014 21:06	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2014 21:58	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2014 23:32	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 00:25	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 01:18	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 02:12	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 03:05	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 03:58	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 04:51	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 05:45	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 06:38	22.2		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 07:31	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 08:24	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24452-1

SDG No.:

Instrument ID: CHC.i Start Date: 09/29/2014 08:05

Analysis Batch Number: 77911 End Date: 09/30/2014 07:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-77911/1		09/29/2014 08:05	1	9716_001.D	RTX-624 0.32(mm)
CCVIS 200-77911/2		09/29/2014 08:54	1		RTX-624 0.32(mm)
CCVIS 200-77911/3		09/29/2014 09:47	1	9716_003.D	RTX-624 0.32(mm)
LCS 200-77911/4		09/29/2014 10:39	1	9716_004.D	RTX-624 0.32(mm)
MB 200-77911/5		09/29/2014 11:33	1	9716_005.D	RTX-624 0.32(mm)
ZZZZZ		09/29/2014 12:32	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 13:26	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 14:25	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 15:23	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 16:16	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 17:10	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 18:03	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 19:01	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 20:00	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 20:58	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 21:57	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 22:50	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 23:44	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 00:37	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 01:35	0.2		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 02:34	0.2		RTX-624 0.32(mm)
200-24452-12	5034	09/30/2014 03:33	0.2	9716_022.D	RTX-624 0.32(mm)
ZZZZZ		09/30/2014 04:31	0.2		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 05:24	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 06:18	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 07:11	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Instrument ID: CHC.i Start Date: 08/15/2014 08:47

Analysis Batch Number: 76115 End Date: 08/16/2014 08:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-76115/1		08/15/2014 08:47	1	9029_001.D	RTX-624 0.32(mm)
VIBLK 200-76115/2		08/15/2014 09:36	1		RTX-624 0.32(mm)
IC 200-76115/3		08/15/2014 10:29	1	9029_003.D	RTX-624 0.32(mm)
IC 200-76115/4		08/15/2014 11:22	1	9029_004.D	RTX-624 0.32(mm)
IC 200-76115/5		08/15/2014 12:16	1	9029_005.D	RTX-624 0.32(mm)
IC 200-76115/6		08/15/2014 13:09	1	9029_006.D	RTX-624 0.32(mm)
ICIS 200-76115/7		08/15/2014 14:01	1	9029_007.D	RTX-624 0.32(mm)
IC 200-76115/8		08/15/2014 14:54	1	9029_008.D	RTX-624 0.32(mm)
IC 200-76115/9		08/15/2014 15:47	1	9029_009.D	RTX-624 0.32(mm)
IC 200-76115/10		08/15/2014 16:40	1	9029_010.D	RTX-624 0.32(mm)
VIBLK 200-76115/11		08/15/2014 17:33	1		RTX-624 0.32(mm)
VIBLK 200-76115/12		08/15/2014 18:26	1		RTX-624 0.32(mm)
ICV 200-76115/13		08/15/2014 19:19	1	9029_013.D	RTX-624 0.32(mm)
ZZZZZ		08/15/2014 20:12	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2014 21:06	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2014 21:58	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2014 23:32	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 00:25	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 01:18	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 02:12	10		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 03:05	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 03:58	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 04:51	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 05:45	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 06:38	22.2		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 07:31	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2014 08:24	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24453-1

SDG No.:

Instrument ID: CHC.i Start Date: 09/29/2014 08:05

Analysis Batch Number: 77911 End Date: 09/30/2014 07:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-77911/1		09/29/2014 08:05	1	9716_001.D	RTX-624 0.32(mm)
CCVIS 200-77911/2		09/29/2014 08:54	1		RTX-624 0.32(mm)
CCVIS 200-77911/3		09/29/2014 09:47	1	9716_003.D	RTX-624 0.32(mm)
LCS 200-77911/4		09/29/2014 10:39	1	9716_004.D	RTX-624 0.32(mm)
MB 200-77911/5		09/29/2014 11:33	1	9716_005.D	RTX-624 0.32(mm)
ZZZZZ		09/29/2014 12:32	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 13:26	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 14:25	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 15:23	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 16:16	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 17:10	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 18:03	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 19:01	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 20:00	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 20:58	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 21:57	0.2		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 22:50	1		RTX-624 0.32(mm)
ZZZZZ		09/29/2014 23:44	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 00:37	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 01:35	0.2		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 02:34	0.2		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 03:33	0.2		RTX-624 0.32(mm)
200-24453-8	5109	09/30/2014 04:31	0.2	9716_023.D	RTX-624 0.32(mm)
ZZZZZ		09/30/2014 05:24	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 06:18	1		RTX-624 0.32(mm)
ZZZZZ		09/30/2014 07:11	1		RTX-624 0.32(mm)

Shipping and Receiving Documents

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Bob Mahoney	Samples Collected By: WA	1 of 2 COCs
Company: Stantec	Phone: 585-413-5301		
Address: 61 Commercial St., Suite 100	Email: bob.mahoney@stantec.com		
City/State/Zip Rochester, NY 14614			
Phone: 585-475-1440	Site Contact: Will Ammington		
FAX:	TA Contact: Ryan Vandette		
Project Name: LMC Utica	**Analysis Turnaround Time**		
Site: Utica, NY	Standard (Specify) 2 weeks		
PO # 1905000800	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SDS-1	10/9/14	14:27	G	24	4.0	5291	5062	X											
SDS-2	10/9/14	14:20	G	24.5	3.5	↓	3203	X											
SDS-3	10/9/14	14:40	G	24	3.5		4341	X											
SDS-4	10/9/14	14:32	G	24.5	3.7		5729	X											
SDS-5	10/9/14	~~11:44~~ 14:44	~~11:46~~	24.5	3.5		5069	X											
SDS-6	10/9/14	12:30	G	23	4.0		5412	X											

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

200-24716 Chain of Custody

Special Instructions/QC Requirements & Comments:

Flow controller started @ +2.5psi

Samples Shipped by:	Date/Time:	Samples Received by:	
Samples Relinquished by: Will Ammington	Date/Time: 10/10/14 11:30	Received by:	10-10-14 11:30
Relinquished by: Relinquished by, Sys	Date/Time: 10/10/14, 19:00	Received by:	10/11/14 EDT 10:45

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Bob Mahoney	Samples Collected By: WA	2 of 2 COCs
Company: Stantec	Phone: 585-413-5301		
Address: 61 Commercial St. Suite 100	Email: bob.mahoney@stantec.com		
City/State/Zip: Rochester, NY 14614			
Phone: 585-475-1440	Site Contact: Will Armington		
FAX:	TA Contact: Ryan Vandette		
Project Name: LMC Utica	**Analysis Turnaround Time**		
Site: Utica, NY	Standard (Specify) 2Weeks		
PO # 1905000900	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SDS-7	10/9/14	G	12:23	25	3.5	5291	4440	X											
SDS-8	10/9/14	~~12:14~~ 12:14	~~12:15~~	25	4.2	↓	2734	X											
VP GAC MID	10/10/14	9:31	G	25	4		3820	X											
VP GAC POST	10/10/14	9:27	G	25	4	↓	3425	X											

Temperature (Fahrenheit)		
	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)		
	Interior	Ambient
Start		
Stop		

Special Instructions/QC Requirements & Comments:
Flow controller started @ +2.5 psi

Samples Shipped by:	Date/Time:	Samples Received by:	
Samples Relinquished by: Will Armington	Date/Time: 10/10/14 11:30	Received by: [signature]	10-10-14 11:30
Relinquished by: [signature]	Date/Time: 10.10.14 19:00	Received by: [signature] FABTU	10/11/14 10:45

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

GIN ID:SYRA (315) 431-0171
SERVICE CENTER
TAMERICA
BOSS RD

ACUSE, NY 13211
TED STATES US

SHIP DATE: 10OCT14
ACTWGT: 27.5 LB MAN
CAD: 251798/CAFE2805
DIMS: 20x20x14 IN

*BILL RECIPIENT

521C1/DF64/6F03

MPLE RECEIVING
STAMERICA BURLINGTON
COMMUNITY DRIVE SUITE 11

UTH BURLINGTON VT 05403
) 660-1990
F: STANTEC 4BOXES

FedEx Express

J141214053001uv

2 of 4
6077 8211 1283
tr# 6077 8211 1272

0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

O BTVA

05403
VT-US BTV

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
TESTAMERICA
118 BOSS RD

SYRACUSE, NY 13211
UNITED STATES US

SHIP DATE: 10OCT14
ACTWGT: 27.5 LB MAN
CAD: 251798/CAFE2805
DIMS: 20x20x14 IN

BILL RECIPIENT

TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: STANTEC 4BOXES

521C1/DF64/6F03

FedEx Express

J141214053001uv

1 of 4
TRK# 0201 6077 8211 1272
MASTER

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO BTVA

05403
VT-US BTV

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
TESTAMERICA
118 BOSS RD

SYRACUSE, NY 13211
UNITED STATES US

SHIP DATE: 10OCT14
ACTWGT: 27.5 LB MAN
CAD: 251798/CAFE2805
DIMS: 20x20x14 IN

BILL RECIPIENT

TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: STANTEC 4BOXES

521C1/DF64/6F03

FedEx Express

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4 of 4
MPS# 0263 6077 8211 1309
Mstr# 6077 8211 1272 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

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05403
VT-US BTV

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
TESTAMERICA
118 BOSS RD

SYRACUSE, NY 13211
UNITED STATES US

SHIP DATE: 10OCT14
ACTWGT: 27.5 LB MAN
CAD: 251798/CAFE2805
DIMS: 20x20x14 IN

BILL RECIPIENT

TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: STANTEC 4BOXES

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3 of 4
MPS# 0263 6077 8211 1294
Mstr# 6077 8211 1272 0201

SATURDAY 12:0
PRIORITY OVERNIGH

X0 BTVA

0540
VT-US BT

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Bob Mahoney	Samples Collected By: W. Armington	1 of 1 COCs
Company: Statec	Phone: 585-413-5301		
Address: 61 Commercial St Suite 100	Email: Bob.Mahoney@statec.com		
City/State/Zip Rochester NY 14607			
Phone:	Site Contact: Will Armington		
FAX:	TA Contact: R. Vandette		
Project Name: LMC Utica	**Analysis Turnaround Time**		
Site:	Standard (Specify) X		
PO # 190500800	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
GCTS Pre Carbon	10/9/14	17:12	G	25	4	5291	5128	X											X
GCTS Mid Carbon	↓	17:07	G	25	4	↓	4337	X											X
GCTS Post Carbon	↓	17:03	G	24	4	↓	3413	X											X

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

200-24717 Chain of Custody

Special Instructions/QC Requirements & Comments:
Air Stripper effluent

Samples Shipped by:	Date/Time:	Samples Received by:
Samples Relinquished by: Will Armington	Date/Time: 10/10/14 11:30	Received by: [signature] TAC Syr 10-10-14 11:30
Relinquished by: R English, Syr	Date/Time: 10.10.14, 19:00	Received by: [signature] TABTU 10/11/14 10:45

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

GIN ID:SYRA (315) 431-0171
SERVICE CENTER
TAMERICA
BOSS RD

ACUSE, NY 13211
TED STATES US

SHIP DATE: 10OCT14
ACTWGT: 27.5 LB MAN
CAD: 251798/CAFE2905
DIMS: 20x20x14 IN

BILL RECIPIENT

521C1/DF64/GF03

AMPLE RECEIVING
ESTAMERICA BURLINGTON
) COMMUNITY DRIVE SUITE 11

OUTH BURLINGTON VT 05403
) 660-1990
F: STANTEC 4BOXES

FedEx Express

J141214053001uv

2 of 4
6077 8211 1283
tr# 6077 8211 1272 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

X0 BTVA

05403
VT-US BTV

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
TESTAMERICA
118 BOSS RD

SYRACUSE, NY 13211
UNITED STATES US

SHIP DATE: 10OCT14
ACTWGT: 27.5 LB MAN
CAD: 251798/CAFE2905
DIMS: 20x20x14 IN

BILL RECIPIENT

521C1/DF64/GF03

TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: STANTEC 4BOXES

FedEx Express

J141214053001uv

1 of 4
TRK# 0201 6077 8211 1272
MASTER

SATURDAY 12:00P
PRIORITY OVERNIGHT

X0 BTVA

05403
VT-US BTV

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
TESTAMERICA
118 BOSS RD

SYRACUSE, NY 13211
UNITED STATES US

SHIP DATE: 10OCT14
ACTWGT: 27.5 LB MAN
CAD: 251798/CAFE2905
DIMS: 20x20x14 IN

BILL RECIPIENT

TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: STANTEC 4BOXES

521C1/DF64/EF03

FedEx Express

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4 of 4

MPS# 0263 6077 8211 1309

Mstr# 6077 8211 1272

0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO BTVA

05403
VT-US BTV

SHIP

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
TESTAMERICA
118 BOSS RD

SYRACUSE, NY 13211
UNITED STATES US

SHIP DATE: 10OCT14
ACTWGT: 27.5 LB MAN
CAD: 251798/CAFE2905
DIMS: 20x20x14 IN

BILL RECIPIENT

TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: STANTEC 4BOXES

FedEx Express

3 of 4

MPS# 0263 6077 8211 1294

Mstr# 6077 8211 1272

0201

SATURDAY 12:0
PRIORITY OVERNIGH

XO BTVA

0540
VT-US BT

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
SDG Number: 200-24716

Login Number: 24716
List Number: 1
Creator: Young, Joseph W

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	AMBIENT
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 200-24716-1
SDG Number: 200-24716

Login Number: 24717
List Number: 1
Creator: Young, Joseph W

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	AMBIENT
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Appendix E

Report on
2014 Annual Vapor Intrusion Study,
Solvent Dock Area

2014 Annual Vapor Intrusion Study
Solvent Dock Area
Former Lockheed Martin French Road Facility
Utica, New York





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May 2014

Sign-off Sheet

This document entitled *2014 Annual Vapor Intrusion Study Solvent Dock Area Former Lockheed Martin French Road Facility Utica, New York* was prepared by Stantec Consulting Services Inc. on behalf of Lockheed Martin Corporation. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec Consulting Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

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EXECUTIVE SUMMARY

This report presents the results of the 2014 Vapor Intrusion (VI) Study performed at the former Lockheed Martin French Road Facility in Utica, New York. The study was conducted and this report was prepared in accordance with the *Draft Revised Work Plan for the Interim Corrective Measures* prepared for the site.

Because of previously-detected VOC presence in sub-slab and indoor air, mitigation in the form of a sub-slab depressurization system (SSDS) has been in operation since July 2008 as an interim corrective measure (ICM). The goal of the SSDS is to prevent volatile organic compounds (VOCs) present in sub-slab soil vapor from entering the indoor air, by creating a negative pressure under the floor slab. Sub-slab vapors removed by the SSDS are treated with granular activated carbon to remove VOC contaminants. The ICM also includes performance of an annual study to assess the effectiveness of the system.

The recent sampling program (including the facility chemical inventory) was completed during the period February 11-13, 2014. Sampling included sub-slab, indoor air and outdoor ambient air samples, obtained using summa canisters in accordance with New York State Department of Health (NYSDOH) guidelines. Sub-slab/indoor air sample pairs were obtained from 14 monitoring points. Due to the inability to obtain a sub-slab sample at one location, a sample from a nearby monitoring point was substituted. The samples were analyzed for the presence of volatile organic compounds (VOCs) using United States Environmental Protection Agency Compendium Method TO-15.

Regarding 2014 results, three sample locations are assigned a Monitor designation under the NYSDOH VI guidance due to concentrations of trichloroethene (TCE) in sub-slab soil gas, although at each location's paired indoor air sample TCE was not detected above the reporting limit (this may be due in part to higher-than-typical reporting limits for these samples). At the remaining 11 paired sample locations, NYSDOH matrices indicate that (depending on the compound) either No Further Action is necessary or "take reasonable and practical actions to identify source(s) and reduce exposure."

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Acronyms and Abbreviations

ASP	Analytical Services Protocol
cis-1,2,-DCE	cis-1,2-dichloroethene
ICM	interim corrective measure
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCE	tetrachloroethene
QA/QC	quality assurance/quality control
RSL	regional screening levels
SDS	sub-slab depressurization sump
SSDS	sub-slab depressurization system
TCE	trichloroethene
VI	vapor intrusion
VMP	vapor monitoring point
VOC	volatile organic compound
VPGAC	vapor phase granular activated carbon

1.0 Introduction

On behalf of Lockheed Martin Corporation (Lockheed Martin), Stantec Consulting Services Inc. (Stantec)** has prepared this report on the *2014 Annual Vapor Intrusion Study, Solvent Dock Area* (VI report) to present the results of a February 11-13, 2014 sub-slab soil gas and indoor air sampling event at the former Lockheed Martin French Road Facility in Utica, New York (site; see Figure 1). A sub-slab depressurization system (SSDS) has been in operation in selected areas since July 2008 as an interim corrective measure (ICM). The goal of the SSDS is to prevent elevated chlorinated volatile organic compound (VOC) vapors detected below the concrete slab of the northeast corner of the main ConMed Corporation (ConMed) manufacturing building from entering indoor air. This is accomplished by creating a negative pressure under the slab to reduce the potential of VOC vapors migrating to indoor air. The ICM was implemented as proposed in the *Draft Revised Work Plan for the Interim Corrective Measure* (ARCADIS 2008a).

The sample results included in this report are used to evaluate current soil gas and indoor air quality. Specifically, this VI report describes the sampling methodology, summarizes the sampling results, and provides an evaluation of the results. Previous VI sampling at the site is summarized in the following section.

** Note that in January 2014 Lockheed Martin retained Stantec to assume the previous role of ARCADIS as the consultant for this site. For this sampling event, ARCADIS staff installed the canisters and collected air for analysis. Stantec shadowed ARCADIS during the sampling event and has prepared this report.

2.0 Previous Vapor Intrusion Sampling

A summary of data collected during previous investigations is provided in Appendix A, including a table listing the analytical results for all historical sampling and a figure showing the sampling locations. Beginning in February 2006, sub-slab soil gas and indoor air samples were collected at multiple locations inside the ConMed building and above the area of known groundwater contamination. Analytical results from this sampling event indicated the presence of elevated VOCs including primarily tetrachloroethene (PCE) and trichloroethene (TCE) in the soil gas beneath the ConMed building, as presented in the *Vapor Intrusion Study Report* (Earth Tech 2006). At that time, the source of several VOCs observed in indoor air samples could not be determined due to the use of materials containing VOCs inside the building. This chemical use was documented in a chemical inventory prepared by Earth Tech based on its observations inside the building. The locations where elevated VOCs in the sub surface soil gas were detected did not directly correlate with locations where indoor air concentrations were observed. Although a correlation could not be established, concentrations of VOCs in sub-slab soil gas samples were greater than New York State Department of Health (NYSDOH) guidance levels that require mitigation measures to be implemented (in accordance with NYSDOH's then-current *Public Comment Draft, Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005*).

In April 2007, ARCADIS collected co-located sub-slab soil gas and indoor air samples in the eastern portion of the building. Based on these results, ARCADIS recommended re-sampling sub-slab soil gas at two locations (sample locations SS-1 and SS-2, which are indicated on Figure A-1 in Appendix A), and installing an SSDS.

On October 2, 2007, ARCADIS sampled sub-slab soil gas at the SS-1 and SS-2 locations, data for which are included within the historical data summary of Appendix A. This sampling was conducted to confirm the results of previous sub-slab soil gas sampling. On November 14–15, 2007, additional sub-slab soil gas and indoor air sampling was conducted at the ConMed facility to:

- Confirm previous results;
- Better understand sub-slab soil gas and indoor air quality; and
- Further define areas in the building that should be mitigated as part of the planned ICM for the ConMed facility.

Results of this study were submitted to NYSDEC in the *Addendum to the Vapor Intrusion Study Report for the Solvent Dock Area* (ARCADIS 2008b). The study results identified elevated TCE in sub-slab soil gas and indoor air at concentrations that could warrant mitigation along the eastern/northeastern side of the ConMed facility, in

accordance with *Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006* (VI guidance; NYSDOH 2006).

In August 2009, after the SSDS had been installed and operated, 14 paired sub-slab soil gas and indoor air samples were collected to evaluate post-mitigation soil gas and indoor air quality. The SSDS was operational during the sampling period. The results of this sampling event were submitted to NYSDEC in the *Annual Post-Mitigation Vapor Intrusion Study Report for the Solvent Dock Area* (ARCADIS 2010a). The sampling confirmed that the SSDS was mitigating sub-slab soil gas concentrations of site-related VOCs, but also confirmed the need for additional mitigation at sampling location VMP-3A (as indicated on the historical tables and figure in Appendix A). This area was targeted for application of additional vacuum as part of the upgraded SSDS design and installation.

In January 2010, sub-slab soil gas and indoor air were sampled at 12 locations at the ConMed facility to evaluate soil gas and indoor air quality. Results of this sampling event indicated that, except for an area associated with SSDS system sump SDS-3 (Figure 2), sub-slab soil gas concentrations of site-related VOCs (including TCE and PCE) were reduced relative to the previous sampling round (ARCADIS 2010b). Similar conclusions were derived from sampling conducted during January 2011 and January 2012 (ARCADIS 2011, 2012).

Location VMP-7A was deemed to require mitigation based on the January 2011 sampling results. Results from the January 2012 sampling indicated that this location had been reduced to a “monitor” status under NYSDOH guidance. Location VMP-7A continues to be monitored on an annual basis, and has since been the subject of additional mitigation efforts (as described in the following section).

It should be noted that the 2013 Annual Vapor Intrusion Monitoring Report identified sample recovery issues which led to a significant amount of rejected data after review of the data usability report (DUSR). Due to the affected data usability, ARCADIS recommended a different laboratory be considered for future VI sample analysis. For the 2014 event, analytical testing services were provided by Test America Laboratories, Inc. (TestAmerica).

3.0 Interim Corrective Measure: Sub-Slab Depressurization System

A vapor intrusion mitigation system (i.e., the SSDS) began operating in July 2008. The primary objective of the SSDS is to maintain a negative pressure (i.e., a vacuum) below the building slab relative to the air pressure in the building above the slab, thereby reducing the potential migration (intrusion) of vapors into the building. In order to achieve an effective pressure differential across the concrete slab, soil gas is extracted from the subsurface and conveyed through carbon treatment to the atmosphere outside the building. This mitigates the potential migration of VOCs from sub-slab soil gas to indoor air.

The original SSDS included three sub-slab depressurization sumps (SDSs), a regenerative vacuum blower, effluent air treatment via vapor-phase granular activated carbon (VPGAC), and associated piping. The system layout is shown on Figure 2.

Operation, maintenance and monitoring (OM&M) activities of the SSDS during 2009 indicated that the ICM SSDS was not meeting operational goals (specifically in the area north of SDS-1 and west of SDS-3), thereby requiring system expansion and modification. In September 2010, SSDS upgrade activities were initiated, which included the installation of four additional depressurization sump locations and upgrades to other major components of the system. The purpose of these upgrades was to expand capture of sub-slab gas to areas where VOCs were present but were not being mitigated by the system. These system upgrades were completed in April 2011. Based on data collected during the 2012 calendar year, the upgraded SSDS was determined to be largely meeting performance goals, with the exception of the area of vapor monitoring point VMP-7A (near extraction sump SDS-7, Figure 2). Vacuum monitoring in the vicinity of VMP-7A was performed during the fourth quarter of 2012 and a follow-up pilot test was completed in 2013. Based on results of the pilot test, design and installation of an additional sub-slab depressurization sump (SDS-8) and four (4) additional VMP locations (VMP-8A, VMP-8B, VMP-8C, and VMP-8D) in the vicinity of VMP-7A was completed in October 2013. The enhanced system, when operating under designed conditions, now consists of eight SDSs (SDS-1 through SDS-8) operating under vacuum to create a pressure differential below the building slab.

4.0 Sampling Approach

4.1 INTRODUCTION

To evaluate the current quality of sub-slab soil gas and indoor air, 14 paired sub-slab soil gas and indoor air samples were obtained. One additional sub-slab sample (VMP-7B) and one additional indoor air sample (VMP-8D) were collected from locations that were not paired. In addition, one outdoor ambient air sample, one duplicate sub-slab soil gas sample and one duplicate indoor air sample were collected. All samples were collected on February 12, 2014, with the exception of sub-slab sample SS-VMP-7B and the outdoor ambient air sample, which were collected on February 13, 2014. The SSDS operated under normal conditions during sampling. Sampling methods used for the co-located sub-slab soil gas samples and indoor air samples are discussed below. Sampling locations are shown on Figure 3. Sampling logs are provided in Appendix B.

4.2 SUB-SLAB SOIL GAS SAMPLING

Samples were collected from 15 permanent points (Vacuum Monitoring Points VMP-1B, VMP-2B, VMP-2C, VMP-3A, VMP-3B, VMP-3D, VMP-3E, VMP-4, VMP-5A, VMP-5B, VMP-6A, VMP-6B, VMP-7, VMP-7A, and VMP-7B) previously installed to monitor the pressure differential under the slab. Each of these locations had been previously monitored as part of the annual vapor intrusion sampling program with the exception of location VMP-7B, which was included to further evaluate sub-slab vapor concentrations in that area due to sampling difficulties at VMP-8D.

A sub-slab sample could not be collected from VMP-8D due to a lack of air flow from the sub-slab to the canister. Inspection of the canister, regulator, and syringe indicated that there were no issues with sampling equipment. In addition, none of these individual sampling components identified vacuum. VMP-8D, VMP-8A, VMP-8B, and VMP-8C, were installed in 2013 as a means to evaluate expanded SSDS performance related to new sub-slab depressurization sump SDS-8. During startup and testing related to the installation of SDS-8, a cyclical differential pressure was observed at VMP-8D that did not achieve vacuum performance criteria. Location VMP-8D is part of the SSDS quarterly vacuum monitoring program. Conditions at this location are under evaluation.

All 16 samples, including the sub-slab duplicate, were collected in 6-liter SUMMA® canisters pre-set by the laboratory to draw soil gas at a flow rate of no more than approximately 12.5-milliliters per minute. Samples were collected over an approximately 8-hour sampling period. As indicated in the sample logs (Appendix B), however, some samples were collected in less than 8 hours, based on the flow regulator gauge reading, and some samples were given longer than 8 hours to ensure the laboratory-required minimum air volume requirement had been met. The valve on the SUMMA® canister was closed when approximately 5-inches of mercury vacuum were left in the canister, leaving a

vacuum in the canister as a means for the laboratory to verify that the canister did not leak during transit. Samples were submitted to TestAmerica Laboratories, Inc. (TestAmerica) in South Burlington, Vermont for laboratory analysis in accordance with United States Environmental Protection Agency Compendium Method TO-15. Laboratory results of sub-slab and indoor air sample analyses are provided in Appendix C.

4.3 INDOOR AIR SAMPLING

All 16 indoor air samples, including the indoor air duplicate, were collected in accordance with the methods described in the *Vapor Intrusion Work Plan – Revised* (Lockheed Martin 2005) and the VI guidance (NYSDOH 2006), and as described above for sub-slab samples. The indoor air sample canisters were exposed to room air at an elevation approximately three to five feet above the floor over the same time frame as collection of the sub-slab soil gas samples at each VMP location.

4.4 OUTDOOR AMBIENT AIR SAMPLING

One outdoor ambient air sample was collected to evaluate outdoor ambient air conditions in comparison to the indoor air and sub-slab vapor conditions. This sample was collected in the area of the fire hydrant just southwest of monitoring well MW-9, in a paved area north of the main building. This area is away from the main building and has limited activity. Results are provided in Appendix C.

5.0 Results and Findings

5.1 INTRODUCTION

This section discusses the results of the February 2014 VI sampling. This evaluation includes a comparison of the paired sample results to the matrices presented in the NYSDOH VI guidance. As part of the February 2014 sampling event, a facility chemical inventory was conducted and ConMed was also consulted regarding facility operations.

Sub-slab soil gas results are presented in Table 1; indoor air results are presented in Table 2. Results from the outdoor ambient air sample are presented in Table 3. Table 4 summarizes the data, including the frequency of detection for samples collected from the main building and minimum- and maximum-detected concentrations for each constituent. Figure 3 presents the analytical results for PCE and TCE in both sub-slab soil gas and indoor air samples.

A copy of the analytical laboratory report for the February 2014 sampling event is provided in Appendix C. Data packages were provided by the laboratory and prepared as New York State (NYS) "Analytical Services Protocol" (ASP) "Category B" deliverables. A *Data Usability Summary Report* (included in Appendix D) was completed in accordance with NYSDEC DER-10 (*Technical Guidance for Site Investigation and Remediation* [May 2010]).

The project data validator reviewed the usability of the analytical data, including determining if the data were accurate, precise, representative, complete, and comparable. Valid data are data for which all quality assurance/quality control (QA/QC) review criteria have been met and are acceptable. Data were characterized as usable where QA/QC parameters were marginally outside acceptable limits (e.g., sample holding times were slightly exceeded), such that the data may be questionable, but still usable within limitation. As a result of the DUSRs, all analytical results are considered usable and, therefore, no data were rejected. The DUSRs indicated that only minor qualifications, or minor changes to data qualifiers, were required; data qualifiers are included in the summary data tables of this report.

Sub-slab soil gas and indoor air data from the February 2014 sampling event were evaluated in two ways, as discussed below in the following section. These include:

1. Analytical data were evaluated using the matrices provided in the NYSDOH VI guidance.
2. Results from the 2014 sampling event were compared to historical results from co-located samples collected in 2009 through 2013 where available.

This evaluation is described in the following sections.

5.2 DATA EVALUATION USING NYSDOH MATRICES

Sub-slab soil gas and indoor air results are compared to the matrices presented in the NYSDOH VI guidance. Indoor air data were considered in conjunction with the sub-slab soil gas data.

Matrix 1 applies to carbon tetrachloride, TCE, and vinyl chloride. Matrix 2 applies to 1,1-dichloroethene, cis-1,2-dichloroethene, PCE, and 1,1,1-trichloroethane. Table 5 compares the indoor air and sub-slab soil gas results to the matrix-recommended action. The matrices allow for five different options or actions:

- No further action;
- Take reasonable and practical actions to identify source(s) and reduce exposures (i.e., concentration in indoor air is likely associated with indoor and/or outdoor sources); designated as “Background” in the matrices presented in this report);
- Monitor;
- Monitor/mitigate; and
- Mitigate.

As presented in Table 5, 15 sub-slab soil gas samples (plus one duplicate sample) and 15 indoor air samples (plus one duplicate sample) were collected from 15 locations as part of the February 2014 sampling. Paired sub-slab soil gas and indoor air results were used together to generate recommended actions based on the NYSDOH decision matrices. As described in Section 4.2, no sub-slab sample was collected at VMP-8D due to a lack of air flow. A replacement sub-slab sample was collected at VMP-7B the following day, but without a paired indoor air sample. Therefore, there are 14 paired sample locations to which the NYSDOH matrix guidance can be applied. To apply the NYSDOH matrix guidance, any non-detect analytes were considered present at concentrations set by the reporting limit, as has been done for previous reporting.

Per Table 5, the majority of matrix outputs for the evaluated locations are assigned No Further Action or Background designations. Monitor designations are assigned to locations VMP-5A, VMP-6A, and VMP-7A as a result of TCE concentrations.

Seven indoor air samples and eleven sub-slab vapor samples were diluted in the lab due to interference or elevated analyte concentrations. The dilutions resulted in higher analyte reporting limits for those samples. In instances where concentrations of a given compound were not detected per reporting limits that are higher than recommended by the NYSDOH Guidance or those typically employed in earlier monitoring events, using the reporting limit as the reported concentration (whether the compound is present or

not) in the NYSDOH matrix output provides a conservative determination resulting from sub-slab and indoor air data. Monitoring locations within this category are as follows:

- VMP-3A
- VMP-5A
- VMP-5B
- VMP-6A
- VMP-6B
- VMP-7
- VMP-7A

At these seven locations, the reporting limits are greater than the first, and sometimes second tier of the NYSDOH matrices. In these cases, matrices provide a conservative output, as the use of higher reporting limits assumes higher concentrations whether the compound is present or not. Nonetheless, among these locations relatively elevated reporting limits result in Background status assigned for all considered compounds at VMP-5B, VMP-6B, and VMP-7, meaning the matrices indicate the recommended action is to "take reasonable and practical actions to identify source(s) and reduce exposures reasonable and practical action should be implemented to identify sources(s) and reduce exposures.

For locations VMP-3A and VMP-5A, and with the exception of carbon tetrachloride and TCE, the matrices also identify Background as the assigned status. With regard to carbon tetrachloride and TCE at these locations, matrices identify a Monitor or Mitigate status due in part to the elevated reporting limits. Further clarification is as follows.

- Carbon tetrachloride results for VMP-3A indicate a Monitor status based on the approach to use analyte reporting limits although carbon tetrachloride was not detected in either the sub-slab or indoor air sample. Using the method detection limit (as opposed to the reporting limit) for the sub-slab result indicates it would belong in a lower tier status (i.e. Background sources). Under these circumstances, use of the method detection limit for carbon tetrachloride in sub-slab soil vapor is considered justified as this is the minimum concentration at which carbon tetrachloride can be identified, if not reliably quantified. This approach is used to assign matrix output in Tables 5 and 6. Nonetheless, a conservatively-assigned Monitor status is consistent with current operation, maintenance, and monitoring performed in conjunction with the SSDS and as such is noted in Tables 5 and 6.

- TCE results for VMP-5A indicate a Mitigate status due to the sub-slab reported concentration and indoor air reporting limit, although the compound was not

detected in the indoor air sample. Using the method detection limit (as opposed to the reporting limit) for TCE in the indoor air sample results in assignment to a lower tier designation, namely Monitor. Similar to VMP-3A, use of the method detection limit for TCE in indoor air is employed for matrix output. VMP-5A is conservatively assigned a Monitor status, which is consistent with current OM&M performed in conjunction with the SSDS and as such is noted in Tables 5 and 6.

For locations VMP-6A and VMP-7A, and as noted above, Monitor status is assigned per matrix output of Table 5 based on TCE concentrations and reporting limits. Although TCE was not detected in indoor air samples at these locations during the 2014 monitoring, Monitor status based on TCE has been assigned to both locations during past annual monitoring events. As with selected compounds for VMP-3A and VMP-5A, a Monitor status assigned to VMP-6A and VMP-7A for TCE is consistent with current operation, maintenance, and monitoring of the SSDS. Vacuum monitoring data collected in 2012 and 2013 indicated that location VMP-7A was not consistently under the influence of the SSDS. In response, sub-slab depressurization sump SDS-8 was installed proximate to VMP-7A (Figure 2). Startup and testing of SDS-8 was completed in October 2013 and the extraction point has since been left online as part of the expanded SSDS. Since the addition of SDS-8, vacuum monitoring indicates that VMP-7A achieves the target vacuum performance criteria for the SSDS.

With regard to increased analytical reporting limits in the 2014 data set, previous analyses were performed by Centek Laboratories in Syracuse, New York, whereas the current samples were analyzed by TestAmerica. Stantec has discussed the methods and results of this sampling event with TestAmerica, which has agreed to revise the analytical procedures in order to avoid future effects of interference or elevated analyte concentrations on analytical reporting limits.

At the remaining seven paired sample locations, NYSDOH matrices indicate (depending on the compound) that either No Further Action is necessary or that reasonable and practical actions should be implemented to identify background sources(s) and reduce exposures.

As part of the 2014 sampling event, a chemical inventory (Appendix E) was completed in accordance with the NYSDOH VI guidance (NYSDOH 2006). One product containing PCE was observed during the chemical inventory. Several other constituents detected in indoor air (such as acetone, ethylbenzene, heptane, hexane, isopropyl alcohol, toluene, and xylenes) are used by ConMed in its various operations in specific locations within the facility and were identified during the chemical inventory.

5.3 COMPARISON WITH HISTORICAL DATA

Matrix results for sub-slab soil gas and indoor air sampling data obtained from 2009 through 2014 are compared per sampling location in Table 6. Overall, matrix results remained generally constant or improved from 2009 to 2013 (Table 6). For 2014 data, a number of matrix results may be influenced by relatively higher reporting limits for undetected compounds, resulting in higher-tiered status relative to earlier results. However, as noted above, the majority of 2014 determinations indicate No Further Action or Background assigned status.

TCE results for VMP-7A continue to indicate a Monitor designation due to the sub-slab reported concentration. This location has maintained a Monitor designation since 2011 when vapor intrusion sampling results indicated the location warranted a Mitigation designation. For VMP-5A, TCE was detected in sub-slab soil vapor during the 2014 event at 26 µg/m^3, an increase from 1.6 µg/m^3 detected in the 2013 sub-slab sample. For VMP-6A, TCE in sub-slab soil vapor increased from 1.2 µg/m^3 (2013) to 11 µg/m^3 (2014). At both locations, matrix determinations increased from Background to Monitor designations for TCE. As noted above, monitoring will continue at both locations as part of SSDS operation, maintenance, and monitoring and annual vapor intrusion sampling.

6.0 Summary and Conclusions

Sub-slab soil gas and/or indoor air were sampled at 16 locations and one ambient outdoor air location was sampled at the ConMed facility in February 2014 to evaluate soil gas and soil gas intrusion. Results of this sampling event indicate that three locations (VMP-5A, VMP-6A, and VMP-7A) are assigned a Monitor designation under the VI guidance due to concentrations of TCE in sub-slab soil gas, although at each location's paired indoor air sample TCE was not detected above the reporting limit, the latter of which may be due to higher-than-typical reporting limits for these samples. At the remaining 11 paired sample locations, NYSDOH matrices indicate that (depending on the compound) either No Further Action is necessary or that Actions to Identify Background Sources(s) and Reduce Exposures should be implemented.

7.0 References

ARCADIS. 2007. *Vapor Intrusion Study Report for the Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York*. August 10.

ARCADIS. 2008a. *Draft Revised Work Plan for the Interim Corrective Measure, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York*. April 30.

ARCADIS. 2008b. *Addendum to the Vapor Intrusion Study Report for the Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York*. February 29.

ARCADIS. 2009. *Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York*. March 16.

ARCADIS. 2010a. *Annual Post-Mitigation Vapor Intrusion Study Report for the Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York*. January.

ARCADIS. 2010b. *Annual Vapor Intrusion Study Report for the Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York*. March.

ARCADIS. 2011. *Annual Vapor Intrusion Study Report for the Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York*. April, revised July.

ARCADIS. 2012. *Annual Vapor Intrusion Study Report for the Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York*. May 31.

ARCADIS. 2013. *Annual Vapor Intrusion Study Report for the Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York*. May.

Earth Tech. 2006. Letter to Tina Armstrong, Lockheed Martin Corporation, from Caroline Benedict, Earth Tech, Inc. “RE: Vapor intrusion Study, ConMed Facility, French Road, Utica, New York.” April 17.

Lockheed Martin. 2005. Letter to Mr. Larry Rosenmann, New York State Department of Environmental Conservation, from Tina Armstrong, Lockheed Martin Corporation. “RE: Vapor intrusion Work Plan— Revised, ConMed Facility, 525 French Road, Utica, New York.” June 29.

New York State Department of Environmental Conservation. 2010. *DER 10/Technical Guidance for Site Investigation and Remediation*. May 3, 2010.

New York State Department of Health. 2005. *Public Comment Draft, Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, February 2005.

New York State Department of Health. 2006. F*inal— Guidance for Evaluating Soil Vapor Intrusion in the State of New York*. New York State Department of Health, Center for Environmental Health, Bureau of Environmental Exposure Investigation. October.

TABLES

Stantec

Table 1. Concentrations of Volatile Organic Compounds in Sub-Slab Soil Gas Collected in February 2014 from the Main Building

Location ID:		SS-VMP-1B	SS-VMP-2B	SS-VMP-2C	SS-VMP-3A	SS-VMP-3B	SS-VMP-3D	SS-VMP-3E	SS-VMP-4
Date Collected:		02/12/14	02/12/14	02/12/14	02/12/14	02/12/14	02/12/14	02/12/14	02/12/14
Area:	Units	Between Kitting & Molding Storage DOC	Adjacent to Leadwire Assembly - South	Adjacent to Cable Assembly	CET Warehouse	Near Southeast Side of CET Packaging Area	Near Southwest Side of Mold Storage	Mold Storage	Southeast Side of Mold Storage
1,1,1-Trichloroethane	µg/m^3	1.1 U	**72**	**1.9**	22 U	1.1 U	1.1 U	1.1 U	2.2 U
1,1,2,2-Tetrachloroethane	µg/m^3	**0.60 NJ**	3.4 U	1.4 U	28 U	1.4 U	1.4 U	1.4 U	2.7 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	1.5 U	**4.1**	**0.59 NJ**	31 U	**0.24 NJ**	**0.48 NJ**	**0.64 NJ**	3.1 U
1,1,2-Trichloroethane	µg/m^3	**0.48 NJ**	2.7 U	1.1 U	22 U	1.1 U	1.1 U	1.1 U	2.2 U
1,1-Dichloroethane	µg/m^3	**0.40 NJ**	**0.51 NJ**	0.81 U	16 U	0.81 U	0.81 U	0.81 U	1.6 U
1,1-Dichloroethene	µg/m^3	**0.41 NJ**	2.0 U	0.79 U	16 U	0.79 U	0.79 U	0.79 U	1.6 U
1,2,4-Trichlorobenzene	µg/m^3	3.7 UJ	9.3 UJ	3.7 UJ	75 UJ	3.7 UJ	3.7 UJ	3.7 U	7.4 U
1,2,4-Trimethylbenzene	µg/m^3	**0.42 NJ**	**0.79 NJ**	**0.86 NJ**	20 U	**0.21 NJ**	0.98 U	**0.65 NJ**	**0.87 NJ**
1,2-Dibromoethane	µg/m^3	1.5 U	3.8 U	1.5 U	31 U	1.5 U	1.5 U	1.5 U	3.1 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	**0.65 NJ**	3.5 U	1.4 U	28 U	1.4 U	1.4 U	1.4 U	2.8 U
1,2-Dichlorobenzene	µg/m^3	**0.42 NJ**	3.0 U	1.2 U	24 U	1.2 U	1.2 U	1.2 U	2.4 U
1,2-Dichloroethane	µg/m^3	**0.33 NJ**	2.0 U	0.81 U	16 U	0.81 U	0.81 U	0.81 U	1.6 U
1,2-Dichloropropane	µg/m^3	0.92 U	2.3 U	0.92 U	19 U	0.92 U	0.92 U	0.92 U	1.8 U
1,3,5-Trimethylbenzene	µg/m^3	**0.40 NJ**	**0.29 NJ**	**0.28 NJ**	20 U	**0.095 NJ**	0.98 U	**0.20 NJ**	**0.30 NJ**
1,3-Butadiene	µg/m^3	**0.20 NJ**	1.1 U	0.44 U	8.9 U	0.44 U	**0.54**	0.44 U	0.88 U
1,3-Dichlorobenzene	µg/m^3	**1.3**	**2.8 NJ**	**3.8**	**3.8 NJ**	**1.9**	1.2 U	**4.9 JB**	**2.7 JB**
1,4-Dichlorobenzene	µg/m^3	**0.39 NJ**	3.0 U	1.2 U	24 U	1.2 U	1.2 U	1.2 U	2.4 U
1,4-Dioxane	µg/m^3	**1.8 NJ**	45 U	18 U	360 U	18 U	18 U	18 U	36 U
2,2,4-Trimethylpentane	µg/m^3	**1.8**	2.3 U	**0.57 NJ**	19 U	**0.41 NJ**	0.93 U	**0.77 NJ**	1.9 U
2-Butanone	µg/m^3	**44**	**56**	**61**	**35**	**13**	**42**	**72**	**66**
2-Hexanone	µg/m^3	2.0 U	5.1 U	2.0 U	41 U	2.0 U	2.0 U	2.0 U	4.1 U
3-Chloropropene	µg/m^3	1.6 U	3.9 U	1.6 U	31 U	1.6 U	1.6 U	1.6 U	3.1 U
4-Ethyltoluene	µg/m^3	**0.48 NJ**	**0.37 NJ**	**0.33 NJ**	20 U	**0.095 NJ**	0.98 U	**0.19 NJ**	**0.37 NJ**
4-Methyl-2-pentanone	µg/m^3	**0.60 NJ**	5.1 U	**0.84 NJ**	41 U	2.0 U	2.0 U	**0.34 NJ**	4.1 U
Acetone	µg/m^3	**45**	**36**	**39**	240 U	**24**	**33**	**65**	**84**
Benzene	µg/m^3	**1.2**	**0.92 NJ**	**0.87**	13 U	**0.59 NJ**	**0.73**	**1.1**	**0.95 NJ**
Benzyl Chloride	µg/m^3	1.0 U	2.6 U	1.0 U	21 U	1.0 U	1.0 U	1.0 U	2.1 U
Bromodichloromethane	µg/m^3	**0.47 NJ**	3.4 U	1.3 U	27 U	1.3 U	1.3 U	1.3 U	2.7 U
Bromoform	µg/m^3	**0.71 NJ**	5.2 U	2.1 U	42 U	2.1 U	2.1 U	2.1 U	4.1 U
Bromomethane	µg/m^3	**0.35 NJ**	1.9 U	0.78 U	16 U	0.78 U	0.78 U	0.78 U	1.6 U
Carbon Disulfide	µg/m^3	1.6 U	3.9 U	**2.7**	31 U	1.6 U	**0.68 NJ**	1.6 U	3.1 U
Carbon Tetrachloride	µg/m^3	**0.65**	0.63 U	**0.34**	5.1 U	**0.22 NJ**	**0.36**	**0.41**	0.50 U
Chlorobenzene	µg/m^3	**0.55 NJ**	**0.64 NJ**	**0.57 NJ**	19 U	0.92 U	0.92 U	0.92 U	**0.56 NJ**
Chloroethane	µg/m^3	**0.40 NJ**	3.3 U	1.3 U	27 U	1.3 U	1.3 U	1.3 U	2.6 U
Chloroform	µg/m^3	**0.98**	**1.1 NJ**	0.98 U	20 U	0.98 U	0.98 U	0.98 U	2.0 U
Chloromethane	µg/m^3	1.0 U	2.6 U	1.0 U	21 U	1.0 U	1.0 U	**1.1**	2.1 U
cis-1,2-Dichloroethene	µg/m^3	**0.93**	2.0 U	0.79 U	16 U	0.79 U	0.79 U	0.79 U	1.6 U
cis-1,3-Dichloropropene	µg/m^3	0.91 U	2.3 U	0.91 U	18 U	0.91 U	0.91 U	0.91 U	1.8 U
Cyclohexane	µg/m^3	**11**	**32**	**33**	14 U	**0.94**	**2.9**	**4.6**	**40**
Dibromochloromethane	µg/m^3	1.7 U	4.3 U	1.7 U	34 U	1.7 U	1.7 U	1.7 U	3.4 U
Dichlorodifluoromethane	µg/m^3	**2.6**	**130**	**1.8 NJ**	50 U	**1.0 NJ**	**1.9 NJ**	**2.4 NJ**	4.9 U
Ethyl acetate	µg/m^3	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m^3	**0.74 NJ**	**0.78 NJ**	**0.80 NJ**	17 U	**0.18 NJ**	0.87 U	**0.45 NJ**	**0.80 NJ**
Heptane	µg/m^3	**1.0**	2.0 U	**0.70 NJ**	16 U	**1.0**	0.82 U	0.82 U	1.6 U
Hexachlorobutadiene	µg/m^3	2.1 U	5.3 U	2.1 U	43 U	2.1 U	2.1 U	2.1 U	4.3 U
Isopropyl alcohol	µg/m^3	**1000 J**	**1500 J**	**1500 J**	**1500**	**380 J**	**1200 J**	**1500 J**	**1500 J**
m&p-Xylene	µg/m^3	**1.5 NJ**	**1.3 NJ**	**1.5 NJ**	44 U	**0.50 NJ**	2.2 U	**1.2 NJ**	**1.7 NJ**

Table 1. Concentrations of Volatile Organic Compounds in Sub-Slab Soil Gas Collected in February 2014 from the Main Building

Location ID:		SS-VMP-1B	SS-VMP-2B	SS-VMP-2C	SS-VMP-3A	SS-VMP-3B	SS-VMP-3D	SS-VMP-3E	SS-VMP-4
Date Collected:		02/12/14	02/12/14	02/12/14	02/12/14	02/12/14	02/12/14	02/12/14	02/12/14
Area:	Units	Between Kitting & Molding Storage DOC	Adjacent to Leadwire Assembly - South	Adjacent to Cable Assembly	CET Warehouse	Near Southeast Side of CET Packaging Area	Near Southwest Side of Mold Storage	Mold Storage	Southeast Side of Mold Storage
Methyl tert-butyl ether	µg/m^3	0.72 U	1.8 U	0.72 U	14 U	0.72 U	0.72 U	0.72 U	1.4 U
Methylene Chloride	µg/m^3	**3.0**	**2.0 NJ**	**19**	**1400**	**21**	**29**	**10**	**5.0**
n-Hexane	µg/m^3	**1.2**	**0.75 NJ**	**0.66 NJ**	14 U	**1.1**	**0.46 NJ**	**0.80**	1.4 U
o-Xylene	µg/m^3	**0.62 NJ**	**0.53 NJ**	**0.58 NJ**	17 U	**0.20 NJ**	0.87 U	**0.51 NJ**	**0.55 NJ**
Propylene	µg/m^3	-	-	-	-	-	-	-	-
Styrene	µg/m^3	**0.49 NJ**	**1.7 NJ**	**2.0**	17 U	0.85 U	0.85 U	**0.25 NJ**	**1.9**
Tetrachloroethene	µg/m^3	**6.0**	**2.4 NJ**	**0.3 NJ**	27 U	1.4 U	**0.14 NJ**	**0.87 NJ**	**3.3**
Tetrahydrofuran	µg/m^3	**2.3 NJ**	**3.0 NJ**	**3.2 NJ**	**6.0 NJ**	**0.55 NJ**	**2.3 NJ**	15 U	29 U
Toluene	µg/m^3	**3.0**	**3.2**	**3.2**	**5.7 NJ**	**1.2**	**0.44 NJ**	**2.5**	**3.8**
trans-1,2-Dichloroethene	µg/m^3	**0.39 NJ**	2.0 U	0.79 U	16 U	0.79 U	0.79 U	0.79 U	1.6 U
trans-1,3-Dichloropropene	µg/m^3	**0.34 NJ**	2.3 U	0.91 U	18 U	0.91 U	0.91 U	0.91 U	1.8 U
Trichloroethene	µg/m^3	**4.1**	**23**	**0.14 NJ**	4.3 U	0.21 U	0.21 U	**0.20 NJ**	0.43 U
Trichlorofluoromethane	µg/m^3	**47**	**4.6**	**2.0**	23 U	**0.61 NJ**	**1.3**	**1.4**	**8.0**
Vinyl Acetate	µg/m^3	-	-	-	-	-	-	-	-
Vinyl Bromide	µg/m^3	0.87 U	2.2 U	0.87 U	18 U	0.87 U	0.87 U	0.87 U	1.7 U
Vinyl Chloride	µg/m^3	**0.27**	0.26 U	0.10 U	2.1 U	0.10 U	0.10 U	0.10 U	0.20 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

B = Compound was found in the blank and sample.

D = Diluted concentration reported.

E = Result exceeded calibration range.

J = Analyte detected at or below quantitation limits and/or estimated value.

JB = Analyte was detected at or below quantitation limits and/or estimated value and was also detected in the blanks.

NJ = Analyte has been "tentatively identified" and the result is an approximated value.

U = Not detected at the reporting limit.

UJ = Analyte was not detected above the reported sample quantitiation limit; however, the reported quantitation limit is approximate.

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Table 1. Concentrations of Volatile Organic Compounds in Sub-Slab Soil Gas Collected in February 2014 from the Main Building

Location ID: Date Collected: Area: Units	SS-VMP-5A 02/12/14 Northwest Utica National	SS-VMP-5B 02/12/14 CET Warehouse	SS-VMP-6A 02/12/14 Central Utica National	SS-VMP-6B 02/12/14 Central Utica National	SS-VMP-7 02/12/14 Between Kitting & Molding Storage DOC	SS-VMP-7A 02/12/14 Southwest Utica National	SS-VMP-7B 02/13/14 Central Utica National
1,1,1-Trichloroethane µg/m^3	**12**	7.5 U	**19**	11 U	8.7 U	**7.0 NJ [10 J]**	26 U
1,1,2,2-Tetrachloroethane µg/m^3	7.8 U	9.5 U	14 U	**2.9 NJ**	11 U	10 U [10 U]	33 U
1,1,2-trichloro-1,2,2-trifluoroethane µg/m^3	**24**	11 U	**15**	**4.2 NJ**	**4.2 NJ**	**3.4 NJ [5.4 NJ]**	36 U
1,1,2-Trichloroethane µg/m^3	6.2 U	7.5 U	11 U	**2.1 NJ**	8.7 U	8.2 U [8.2 U]	26 U
1,1-Dichloroethane µg/m^3	**4.0 NJ**	5.6 U	**27**	**2.5 NJ**	**8.3**	**1.5 NJ [2.0 NJ]**	19 U
1,1-Dichloroethene µg/m^3	4.5 U	5.5 U	7.9 U	7.9 U	6.3 U	5.9 U [5.9 U]	19 U
1,2,4-Trichlorobenzene µg/m^3	21 U	26 UJ	37 UJ	37 UJ	30 U	28 U [28 U]	88 U
1,2,4-Trimethylbenzene µg/m^3	**0.94 NJ**	6.8 U	9.8 U	**2.5 NJ**	7.9 U	7.4 U [7.4 U]	23 U
1,2-Dibromoethane µg/m^3	8.8 U	11 U	15 U	15 U	12 U	12 U [11 U]	37 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane µg/m^3	8.0 U	9.6 U	14 U	14 U	11 U	10 U [10 U]	33 U
1,2-Dichlorobenzene µg/m^3	6.9 U	8.3 U	12 U	**2.3 NJ**	9.6 U	9.0 U [9.0 U]	29 U
1,2-Dichloroethane µg/m^3	4.6 U	5.6 U	8.1 U	**1.7 NJ**	6.5 U	6.1 U [6.1 U]	19 U
1,2-Dichloropropane µg/m^3	5.3 U	6.4 U	9.2 U	9.2 U	7.4 U	6.9 U [6.9 U]	22 U
1,3,5-Trimethylbenzene µg/m^3	5.6 U	6.8 U	9.8 U	**2.3 NJ**	7.9 U	7.4 U [7.4 U]	23 U
1,3-Butadiene µg/m^3	2.5 U	3.1 U	4.4 U	4.4 U	3.5 U	3.3 U [3.3 U]	11 U
1,3-Dichlorobenzene µg/m^3	**3.8 NJB**	**2.2 NJ**	**3.8 NJ**	**3.3 NJ**	**3.9 NJB**	**4.4 NJB [7.5 NJB]**	**13 NJB**
1,4-Dichlorobenzene µg/m^3	6.9 U	8.3 U	12 U	**1.9 NJ**	9.6 U	9.0 U [9.0 U]	29 U
1,4-Dioxane µg/m^3	**5.5 NJ**	120 U	180 U	180 U	140 U	130 U [130 U]	430 U
2,2,4-Trimethylpentane µg/m^3	**2.8 NJ**	6.4 U	9.3 U	**3.8 NJ**	7.5 U	7.0 U [7.0 U]	22 U
2-Butanone µg/m^3	**54**	**22**	**52**	**29**	**73**	**49 J [82 J]**	35 U
2-Hexanone µg/m^3	12 U	14 U	20 U	20 U	16 U	15 U [15 U]	49 U
3-Chloropropene µg/m^3	8.9 U	11 U	16 U	16 U	13 U	12 U [12 U]	37 U
4-Ethyltoluene µg/m^3	5.6 U	6.8 U	9.8 U	**2.2 NJ**	7.9 U	7.4 U [7.4 U]	23 U
4-Methyl-2-pentanone µg/m^3	12 U	14 U	20 U	20 U	16 U	15 U [15 U]	49 U
Acetone µg/m^3	**62 NJ**	82 U	120 U	120 U	**86 NJ**	**45 NJ [74 NJ]**	280 U
Benzene µg/m^3	**1.2 NJ**	**1.0 NJ**	**1.2 NJ**	**1.9 NJ**	5.1 U	4.8 U **[1.4 NJ]**	15 U
Benzyl Chloride µg/m^3	5.9 U	7.1 U	10 U	10 U	8.3 U	7.8 U [7.7 U]	25 U
Bromodichloromethane µg/m^3	7.7 U	9.2 U	13 U	**2.3 NJ**	11 U	10 U [10 U]	32 U
Bromoform µg/m^3	12 U	14 U	21 U	21 U	17 U	15 U [15 U]	49 U
Bromomethane µg/m^3	4.4 U	5.4 U	7.8 U	7.8 U	6.2 U	5.8 U [5.8 U]	18 U
Carbon Disulfide µg/m^3	**4.3 NJ**	11 U	16 U	16 U	12 U	12 U [12 U]	37 U
Carbon Tetrachloride µg/m^3	1.4 U	1.7 U	2.5 U	**2.3 NJ**	2.0 U	1.9 U [1.9 U]	6 U
Chlorobenzene µg/m^3	5.3 U	6.4 U	9.2 U	**2.0 NJ**	7.4 U	6.9 U [6.9 U]	22 U
Chloroethane µg/m^3	7.5 U	9.1 U	13 U	13 U	11 U	9.9 U [9.9 U]	31 U
Chloroform µg/m^3	**51**	6.7 U	**21**	9.8 U	7.8 U	**44 J [69 J]**	**12 NJ**
Chloromethane µg/m^3	5.9 U	7.1 U	10 U	10 U	8.3 U	7.7 U [7.7 U]	25 U
cis-1,2-Dichloroethene µg/m^3	4.5 U	5.5 U	7.9 U	7.9 U	6.3 U	5.9 U [5.9 U]	19 U
cis-1,3-Dichloropropene µg/m^3	5.2 U	6.3 U	9.1 U	9.1 U	7.3 U	6.8 U [6.8 U]	22 U
Cyclohexane µg/m^3	**3.3 NJ**	**2.9 NJ**	**8.8 J**	**6.2 NJ**	**9.4**	**7.0 J [11 J]**	16 U
Dibromochloromethane µg/m^3	9.7 U	12 U	17 U	17 U	14 U	13 U [13 U]	41 U
Dichlorodifluoromethane µg/m^3	14 U	17 U	**9.2 NJ**	**6.4 NJ**	**85**	19 U [18 U]	59 U
Ethyl acetate µg/m^3	-	-	-	-	-	-	-
Ethylbenzene µg/m^3	**0.75 NJ**	6.0 U	8.7 U	**2.3 NJ**	6.9 U	6.5 U **[0.65 NJ]**	21 U
Heptane µg/m^3	4.7 U	5.7 U	8.2 U	8.2 U	6.6 U	6.1 U [6.1 U]	20 U
Hexachlorobutadiene µg/m^3	12 U	15 U	21 U	21 U	17 U	16 U [16 U]	51 U
Isopropyl alcohol µg/m^3	**1200 J**	**970 J**	**2000 J**	**970**	**2200 J**	**1700 J [2900 J]**	**1100**
m&p-Xylene µg/m^3	12 U	15 U	22 U	**4.7 NJ**	17 U	16 U [16 U]	52 U

Table 1. Concentrations of Volatile Organic Compounds in Sub-Slab Soil Gas Collected in February 2014 from the Main Building

Location ID:		SS-VMP-5A	SS-VMP-5B	SS-VMP-6A	SS-VMP-6B	SS-VMP-7	SS-VMP-7A	SS-VMP-7B
Date Collected:		02/12/14	02/12/14	02/12/14	02/12/14	02/12/14	02/12/14	02/13/14
Area:	Units	Northwest Utica National	CET Warehouse	Central Utica National	Central Utica National	Between Kitting & Molding Storage DOC	Southwest Utica National	Central Utica National
Methyl tert-butyl ether	µg/m^3	4.1 U	5.0 U	7.2 U	7.2 U	5.8 U	5.4 U [5.4 U]	17 U
Methylene Chloride	µg/m^3	**350**	**300**	**620**	**410**	**670**	**460 J [720 J]**	**200**
n-Hexane	µg/m^3	**2.5 NJ**	4.9 U	7.0 U	7.0 U	5.6 U	5.3 U **[3.3 NJ]**	17 U
o-Xylene	µg/m^3	5.0 U	6.0 U	8.7 U	**2.1 NJ**	6.9 U	6.5 U [6.5 U]	21 U
Propylene	µg/m^3	-	-	-	-	-	-	-
Styrene	µg/m^3	4.9 U	5.9 U	8.5 U	**2.3 NJ**	6.8 U	6.4 U **[0.98 NJ]**	20 U
Tetrachloroethene	µg/m^3	**16**	9.4 U	14 U	**11 NJ**	11 U	10 U [10 U]	32 U
Tetrahydrofuran	µg/m^3	84 U	**3.6 NJ**	**41 NJ**	**17 NJ**	**40 NJ**	110 U **[58 NJ]**	350 U
Toluene	µg/m^3	**5.9**	**3.2 NJ**	**6.8 NJ**	**6.7 NJ**	**6.6**	**4.4 NJ [6.9 J]**	18 U
trans-1,2-Dichloroethene	µg/m^3	4.5 U	5.5 U	7.9 U	7.9 U	6.3 U	5.9 U [5.9 U]	19 U
trans-1,3-Dichloropropene	µg/m^3	5.2 U	6.3 U	9.1 U	9.1 U	7.3 U	6.8 U [6.8 U]	22 U
Trichloroethene	µg/m^3	**26**	1.5 U	**11**	**2.1 NJ**	1.7 U	**14 J [21 J]**	5.1 U
Trichlorofluoromethane	µg/m^3	6.4 U	7.8 U	**23**	11 U	**22**	8.4 U [8.4 U]	27 U
Vinyl Acetate	µg/m^3	-	-	-	-	-	-	-
Vinyl Bromide	µg/m^3	5.0 U	6.0 U	8.7 U	8.7 U	7.0 U	6.6 U [6.5 U]	21 U
Vinyl Chloride	µg/m^3	0.58 U	0.71 U	1.0 U	1.0 U	0.82 U	0.77 U [0.76 U]	2.4 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

B = Compound was found in the blank and sample.

D = Diluted concentration reported.

E = Result exceeded calibration range.

J = Analyte detected at or below quantitation limits and/or estimated value.

JB = Analyte was detected at or below quantitation limits and/or estimated value and was also detected in the blanks.

NJ = Analyte has been "tentatively identified" and the result is an approximated value.

U = Not detected at the reporting limit.

UJ = Analyte was not detected above the reported sample quantitiation limit; however, the reported quantitation limit is approximate.

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Table 2. Concentrations of Volatile Organic Compounds in Indoor Air Collected in February 2014 from the Main Building

Location ID: Date Collected: Area:	Units	IA-VMP-1B 02/12/14 Between Kitting & Molding Storage DOC	IA-VMP-2B 02/12/14 Adjacent to Leadwire Assembly - South	IA-VMP-2C 02/12/14 Adjacent to Cable Assembly	IA-VMP-3A 02/12/14 CET Warehouse	IA-VMP-3B 02/12/14 Near Southeast Side of CET Packaging Area	IA-VMP-3D 02/12/14 Near Southwest Side of Mold Storage	IA-VMP-3E 02/12/14 Mold Storage	IA-VMP-4 02/12/14 Southeast Side of Mold Storage
1,1,1-Trichloroethane	µg/m^3	1.1 U [1.1 U]	1.1 U	1.1 U	14 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	µg/m^3	1.4 U [1.4 U]	1.4 U	1.4 U	18 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**0.62 NJ [0.69 NJ]**	**0.52 NJ**	**0.58 NJ**	20 U	**0.56 NJ**	**0.62 NJ**	**0.66 NJ**	**0.4 NJ**
1,1,2-Trichloroethane	µg/m^3	1.1 U [1.1 U]	1.1 U	1.1 U	14 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m^3	0.81 U [0.81 U]	0.81 U	0.81 U	10 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	µg/m^3	0.79 U [0.79 U]	0.79 U	0.79 U	10 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	µg/m^3	3.7 U [3.7 U]	3.7 U	3.7 U	48 UJ	3.7 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	µg/m^3	**0.27 NJ [0.3 NJ]**	**0.20 NJ**	**0.35 NJ**	13 U	0.98 U	**0.2 NJ**	0.98 U	**0.26 NJ**
1,2-Dibromoethane	µg/m^3	1.5 U [1.5 U]	1.5 U	1.5 U	20 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.4 U [1.4 U]	1.4 U	1.4 U	18 U	1.4 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m^3	1.2 U [1.2 U]	1.2 U	1.2 U	16 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m^3	0.81 U [0.81 U]	0.81 U	0.81 U	10 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m^3	0.92 U [0.92 U]	0.92 U	0.92 U	12 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m^3	**0.15 NJ [0.12 NJ]**	**0.27 NJ**	**0.16 NJ**	13 U	0.98 U	0.98 U	0.98 U	**0.15 NJ**
1,3-Butadiene	µg/m^3	**0.58 [0.60]**	**0.81**	**0.68**	5.7 U	0.44 U	0.44 U	**0.27 NJ**	**0.51**
1,3-Dichlorobenzene	µg/m^3	1.2 U [1.2 U]	1.2 U	1.2 U	16 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m^3	1.2 U [1.2 U]	1.2 U	1.2 U	16 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	µg/m^3	18 U [18 U]	18 U	18 U	230 U	18 U	18 U	18 U	**2.1 NJ**
2,2,4-Trimethylpentane	µg/m^3	**1.4 J [0.79 NJ]**	0.93 U	0.93 U	12 U	0.93 U	0.93 U	**0.44 NJ**	**0.53 NJ**
2-Butanone	µg/m^3	**1.6 [1.8]**	**1.5**	**2.1**	19 U	**2.3**	1.5 U	**1.5**	**1.8**
2-Hexanone	µg/m^3	2.0 U [2.0 U]	2.0 U	2.0 U	26 U	2 U	2 U	2 U	2 U
3-Chloropropene	µg/m^3	1.6 U [1.6 U]	1.6 U	1.6 U	20 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m^3	**0.25 NJ [0.14 NJ]**	**0.25 NJ**	**0.38 NJ**	13 U	0.98 U	0.98 U	0.98 U	**0.26 NJ**
4-Methyl-2-pentanone	µg/m^3	2.0 U [2.0 U]	2.0 U	2.0 U	26 U	2 U	2 U	2 U	2 U
Acetone	µg/m^3	**11 NJ [9.5 NJ]**	**8.4 NJ**	**11 NJ**	150 U	**12 NJ**	**8.4 NJ**	**15**	**11 NJ**
Benzene	µg/m^3	**1.0 [1.2]**	**0.98**	**1.0**	8.2 U	**0.86**	**0.98**	**1.1**	**0.93**
Benzyl Chloride	µg/m^3	1.0 U [1.0 U]	1.0 U	1.0 U	13 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/m^3	1.3 U [1.3 U]	1.3 U	1.3 U	17 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m^3	2.1 U [2.1 U]	2.1 U	2.1 U	27 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m^3	0.78 U [0.78 U]	0.78 U	0.78 U	10 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m^3	1.6 U **[0.74 NJ]**	1.6 U	1.6 U	20 U	1.6 U	1.6 U	1.6 U	1.6 U
Carbon Tetrachloride	µg/m^3	**0.38 J [0.52 J]**	**0.43**	**0.47**	3.2 U	**0.41**	**0.45**	**0.43**	**0.42**
Chlorobenzene	µg/m^3	**0.37 NJ [0.42 NJ]**	**0.51 NJ**	**0.57 NJ**	12 U	0.92 U	0.92 U	0.92 U	**0.45 NJ**
Chloroethane	µg/m^3	1.3 U [1.3 U]	1.3 U	1.3 U	17 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	µg/m^3	0.98 U [0.98 U]	0.98 U	0.98 U	13 U	0.98 U	0.98 U	0.98 U	0.98 U
Chloromethane	µg/m^3	**1.1 [1.3]**	**1.1**	**1.1**	13 U	1 U	1 U	**1.3**	1 U
cis-1,2-Dichloroethene	µg/m^3	0.79 U [0.79 U]	0.79 U	0.79 U	10 U	0.79 U	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m^3	0.91 U [0.91 U]	0.91 U	0.91 U	12 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m^3	**55 [64]**	**64**	**67**	**8.7 NJ**	**2.9**	**3**	**6.5**	**67**
Dibromochloromethane	µg/m^3	1.7 U [1.7 U]	1.7 U	1.7 U	22 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m^3	**2.5 [2.9]**	**2.4 NJ**	**2.4 NJ**	32 U	**2.3 NJ**	**2.4 NJ**	**2.6**	**2.4 NJ**
Ethyl acetate	µg/m^3	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m^3	**0.51 NJ [0.57 NJ]**	**0.56 NJ**	**0.63 NJ**	11 U	**0.21 NJ**	**0.24 NJ**	**0.36 NJ**	**0.55 NJ**
Heptane	µg/m^3	**1.6 J [0.93 J]**	0.82 U	**0.72 NJ**	11 U	**0.49 NJ**	0.82 U	0.82 U	**0.53 NJ**
Hexachlorobutadiene	µg/m^3	2.1 U [2.1 U]	2.1 U	2.1 U	28 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropyl alcohol	µg/m^3	**200 J [230 J]**	**340 J**	**380 J**	**810**	**94**	**76**	**110 J**	**400 J**
m&p-Xylene	µg/m^3	**0.72 NJ [0.82 NJ]**	**0.46 NJ**	**0.79 NJ**	28 U	**0.39 NJ**	**0.56 NJ**	**0.79 NJ**	**0.65 NJ**
Methyl tert-butyl ether	µg/m^3	0.72 U [0.72 U]	0.72 U	0.72 U	9.3 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m^3	**5.3 [6.0]**	**3.8**	**6.4**	**1500**	**39**	**24**	**7.5**	**6.3**
n-Hexane	µg/m^3	**1.9 J [1.2 J]**	**0.71**	**0.94**	9.1 U	**0.47 NJ**	**0.48 NJ**	**0.96**	**0.71**

Table 2. Concentrations of Volatile Organic Compounds in Indoor Air Collected in February 2014 from the Main Building

Location ID: Date Collected: Area:	Units	IA-VMP-1B 02/12/14 Between Kitting & Molding Storage DOC	IA-VMP-2B 02/12/14 Adjacent to Leadwire Assembly - South	IA-VMP-2C 02/12/14 Adjacent to Cable Assembly	IA-VMP-3A 02/12/14 CET Warehouse	IA-VMP-3B 02/12/14 Near Southeast Side of CET Packaging Area	IA-VMP-3D 02/12/14 Near Southwest Side of Mold Storage	IA-VMP-3E 02/12/14 Mold Storage	IA-VMP-4 02/12/14 Southeast Side of Mold Storage
o-Xylene	µg/m^3	**0.25 NJ [0.3 NJ]**	**0.17 NJ**	**0.28 NJ**	11 U	0.87 U	**0.19 NJ**	**0.21 NJ**	**0.24 NJ**
Propylene	µg/m^3	-	-	-	-	-	-	-	-
Styrene	µg/m^3	**0.98 [1.1]**	**1.8**	**2.1**	11 U	0.85 U	**0.28 NJ**	**0.13 NJ**	**2**
Tetrachloroethene	µg/m^3	**0.22 NJ [0.24 NJ]**	1.4 U	1.4 U	17 U	**0.32 NJ**	**0.39 NJ**	**0.39 NJ**	1.4 U
Tetrahydrofuran	µg/m^3	15 U [15 U]	15 U	**0.95 NJ**	**20 NJ**	15 U	15 U	**0.27 NJ**	15 U
Toluene	µg/m^3	**2.8 [3.2]**	**2.5**	**2.9**	**5.5 NJ**	**2.1**	**1.7**	**3.3**	**2.7**
trans-1,2-Dichloroethene	µg/m^3	0.79 U [0.79 U]	0.79 U	0.79 U	10 U	0.79 U	0.79 U	0.79 U	0.79 U
trans-1,3-Dichloropropene	µg/m^3	0.91 U [0.91 U]	0.91 U	0.91 U	12 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m^3	0.21 U [0.21 U]	0.21 U	0.21 U	2.8 U	0.21 U	0.21 U	0.21 U	0.21 U
Trichlorofluoromethane	µg/m^3	**3.4 [3.8]**	**2.4**	**2.5**	14 U	**1.4**	**1.5**	**1.6**	**2.5**
Vinyl Acetate	µg/m^3	-	-	-	-	-	-	-	-
Vinyl Bromide	µg/m^3	0.87 U [0.87 U]	0.87 U	0.87 U	11 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m^3	0.10 U [0.10 U]	0.10 U	0.10 U	1.3 U	0.1 U	0.1 U	0.1 U	0.1 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

* = Recovery or RPD exceeds control limits

B = Compound was found in the blank and sample.

D = Diluted concentration reported.

J = Analyte detected at or below quantitation limits and/or estimated value.

JB = Analyte was detected at or below quantitation limits and/or estimated value and was also detected in the blanks.

NJ = Analyte has been "tentatively identified" and the result is an approximated value.

U = Not detected at the reporting limit.

UJ = Analyte was not detected above the reported sample quantitiation limit; however, the reported quantitation limit is approximate

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Table 2. Concentrations of Volatile Organic Compounds in Indoor Air Collected in February 2014 from the Main Building

Location ID: Date Collected: Area:	Units	IA-VMP-5A 02/12/14 Northwest Utica National	IA-VMP-5B 02/12/14 CET Warehouse	IA-VMP-6A 02/12/14 Central Utica National	IA-VMP-6B 02/12/14 Central Utica National	IA-VMP-7 02/12/14 Between Kitting & Molding Storage DOC	IA-VMP-7A 02/12/14 Southwest Utica National	IA-VMP-8D 02/12/14 Molding/Cable Material Storage
1,1,1-Trichloroethane	µg/m^3	42 U	14 U	16 U	11 U	11 U	11 U	1.1 U
1,1,2,2-Tetrachloroethane	µg/m^3	53 U	18 U	20 U	14 U	14 U	14 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	59 U	20 U	23 U	15 U	15 U	15 U	**0.49 NJ**
1,1,2-Trichloroethane	µg/m^3	42 U	14 U	16 U	11 U	11 U	11 U	1.1 U
1,1-Dichloroethane	µg/m^3	31 U	11 U	12 U	8.1 U	8.1 U	8.1 U	0.81 U
1,1-Dichloroethene	µg/m^3	30 U	10 U	12 U	7.9 U	7.9 U	7.9 U	0.79 U
1,2,4-Trichlorobenzene	µg/m^3	**8.3 JB**	48 UJ	55 U	37 UJ	37 UJ	37 U	3.7 U
1,2,4-Trimethylbenzene	µg/m^3	38 U	13 U	15 U	9.8 U	9.8 U	9.8 U	0.98 U
1,2-Dibromoethane	µg/m^3	59 U	20 U	23 U	15 U	15 U	15 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	54 U	18 U	21 U	14 U	14 U	14 U	1.4 U
1,2-Dichlorobenzene	µg/m^3	46 U	16 U	18 U	12 U	12 U	12 U	1.2 U
1,2-Dichloroethane	µg/m^3	31 U	11 U	12 U	8.1 U	8.1 U	8.1 U	0.81 U
1,2-Dichloropropane	µg/m^3	35 U	12 U	14 U	9.2 U	9.2 U	9.2 U	0.92 U
1,3,5-Trimethylbenzene	µg/m^3	38 U	13 U	15 U	9.8 U	9.8 U	9.8 U	0.98 U
1,3-Butadiene	µg/m^3	17 U	5.8 U	6.5 U	4.4 U	4.4 U	4.4 U	**0.3 NJ**
1,3-Dichlorobenzene	µg/m^3	46 U	16 U	18 U	12 U	12 U	12 U	1.2 U
1,4-Dichlorobenzene	µg/m^3	46 U	16 U	18 U	12 U	12 U	12 U	1.2 U
1,4-Dioxane	µg/m^3	690 U	230 U	270 U	180 U	180 U	180 U	18 U
2,2,4-Trimethylpentane	µg/m^3	36 U	12 U	14 U	9.3 U	9.3 U	9.3 U	0.93 U
2-Butanone	µg/m^3	56 U	19 U	22 U	15 U	15 U	15 U	**5.3**
2-Hexanone	µg/m^3	78 U	27 U	30 U	20 U	20 U	20 U	2 U
3-Chloropropene	µg/m^3	60 U	20 U	23 U	16 U	16 U	16 U	1.6 U
4-Ethyltoluene	µg/m^3	38 U	13 U	15 U	9.8 U	9.8 U	9.8 U	0.98 U
4-Methyl-2-pentanone	µg/m^3	78 U	27 U	30 U	20 U	20 U	20 U	2 U
Acetone	µg/m^3	450 U	150 U	180 U	120 U	120 U	120 U	**20**
Benzene	µg/m^3	24 U	8.3 U	9.5 U	6.4 U	6.4 U	6.4 U	**1**
Benzyl Chloride	µg/m^3	40 U	13 U	15 U	10 U	10 U	10 U	1 U
Bromodichloromethane	µg/m^3	51 U	17 U	20 U	13 U	13 U	13 U	1.3 U
Bromoform	µg/m^3	79 U	27 U	31 U	21 U	21 U	21 U	2.1 U
Bromomethane	µg/m^3	30 U	10 U	11 U	7.8 U	7.8 U	7.8 U	0.78 U
Carbon Disulfide	µg/m^3	60 U	20 U	23 U	16 U	16 U	16 U	1.6 U
Carbon Tetrachloride	µg/m^3	9.6 U	3.3 U	3.7 U	2.5 U	2.5 U	2.5 U	**0.26**
Chlorobenzene	µg/m^3	35 U	12 U	14 U	9.2 U	9.2 U	9.2 U	0.92 U
Chloroethane	µg/m^3	51 U	17 U	20 U	13 U	13 U	13 U	1.3 U
Chloroform	µg/m^3	37 U	13 U	14 U	9.8 U	9.8 U	9.8 U	0.98 U
Chloromethane	µg/m^3	40 U	13 U	15 U	10 U	10 U	10 U	**1.1**
cis-1,2-Dichloroethene	µg/m^3	30 U	10 U	12 U	7.9 U	7.9 U	7.9 U	0.79 U
cis-1,3-Dichloropropene	µg/m^3	35 U	12 U	13 U	9.1 U	9.1 U	9.1 U	0.91 U
Cyclohexane	µg/m^3	26 U	**8.3 NJ**	**11**	**11**	**1.9 NJ**	**5.5 NJ**	0.69 U
Dibromochloromethane	µg/m^3	65 U	22 U	25 U	17 U	17 U	17 U	1.7 U
Dichlorodifluoromethane	µg/m^3	95 U	32 U	37 U	25 U	25 U	25 U	**2.3 NJ**
Ethyl acetate	µg/m^3	-	-	-	-	-	-	-
Ethylbenzene	µg/m^3	33 U	11 U	13 U	8.7 U	8.7 U	8.7 U	**0.24 NJ**
Heptane	µg/m^3	31 U	11 U	12 U	8.2 U	8.2 U	8.2 U	0.82 U
Hexachlorobutadiene	µg/m^3	82 U	28 U	32 U	21 U	21 UJ	21 U	2.1 U
Isopropyl alcohol	µg/m^3	**1700**	**740**	**1100**	**690**	**320**	**560**	**22**
m&p-Xylene	µg/m^3	83 U	28 U	32 U	22 U	22 U	22 U	**0.64 NJ**
Methyl tert-butyl ether	µg/m^3	28 U	9.4 U	11 U	7.2 U	7.2 U	7.2 U	0.72 U
Methylene Chloride	µg/m^3	**1600**	**1500**	**1100**	**1300**	**360**	**640**	**1.3 NJ**
n-Hexane	µg/m^3	27 U	9.2 U	10 U	7 U	7 U	7 U	**0.58 NJ**

Table 2. Concentrations of Volatile Organic Compounds in Indoor Air Collected in February 2014 from the Main Building

Location ID: Date Collected: Area:	Units	IA-VMP-5A 02/12/14 Northwest Utica National	IA-VMP-5B 02/12/14 CET Warehouse	IA-VMP-6A 02/12/14 Central Utica National	IA-VMP-6B 02/12/14 Central Utica National	IA-VMP-7 02/12/14 Between Kitting & Molding Storage DOC	IA-VMP-7A 02/12/14 Southwest Utica National	IA-VMP-8D 02/12/14 Molding/Cable Material Storage
o-Xylene	µg/m^3	33 U	11 U	13 U	8.7 U	8.7 U	8.7 U	**0.24 NJ**
Propylene	µg/m^3	-	-	-	-	-	-	-
Styrene	µg/m^3	33 U	11 U	13 U	8.5 U	8.5 U	8.5 U	0.85 U
Tetrachloroethene	µg/m^3	52 U	18 U	20 U	14 U	14 U	14 U	1.4 U
Tetrahydrofuran	µg/m^3	**19 NJ**	**19 NJ**	**57 NJ**	**27 NJ**	**4.7 NJ**	**33 NJ**	15 U
Toluene	µg/m^3	**7.1 NJ**	**5.4 NJ**	**6.3 NJ**	**5.6 NJ**	**2 NJ**	7.5 U	**8**
trans-1,2-Dichloroethene	µg/m^3	30 U	10 U	12 U	7.9 U	7.9 U	7.9 U	0.79 U
trans-1,3-Dichloropropene	µg/m^3	35 U	12 U	13 U	9.1 U	9.1 U	9.1 U	0.91 U
Trichloroethene	µg/m^3	8.2 U	2.8 U	3.2 U	2.1 U	2.1 U	2.1 U	0.21 U
Trichlorofluoromethane	µg/m^3	43 U	15 U	17 U	11 U	11 U	11 U	**1.2**
Vinyl Acetate	µg/m^3	-	-	-	-	-	-	-
Vinyl Bromide	µg/m^3	34 U	11 U	13 U	8.7 U	8.7 U	8.7 U	0.87 U
Vinyl Chloride	µg/m^3	3.9 U	1.3 U	1.5 U	1 U	1 U	1 U	0.1 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

* = Recovery or RPD exceeds control limits

B = Compound was found in the blank and sample.

D = Diluted concentration reported.

J = Analyte detected at or below quantitation limits and/or estimated value.

JB = Analyte was detected at or below quantitation limits and/or estimated value and was also detected in the blanks.

NJ = Analyte has been "tentatively identified" and the result is an approximated value.

U = Not detected at the reporting limit.

UJ = Analyte was not detected above the reported sample quantitiation limit; however, the reported quantitation limit is approximate

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Table 3. Concentrations of Volatile Organic Compounds in Outdoor Ambient Air Collected in February 2014

Location ID: Date Collected: Area:	Units	Outdoor Air 2/13/14 Ambient
1,1,1-Trichloroethane	µg/m^3	1.1 U
1,1,2,2-Tetrachloroethane	µg/m^3	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**0.59 NJ**
1,1,2-Trichloroethane	µg/m^3	1.1 U
1,1-Dichloroethane	µg/m^3	0.81 U
1,1-Dichloroethene	µg/m^3	0.79 U
1,2,4-Trichlorobenzene	µg/m^3	3.7 U
1,2,4-Trimethylbenzene	µg/m^3	**0.25 NJ**
1,2-Dibromoethane	µg/m^3	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.4 U
1,2-Dichlorobenzene	µg/m^3	1.2 U
1,2-Dichloroethane	µg/m^3	0.81 U
1,2-Dichloropropane	µg/m^3	0.92 U
1,3,5-Trimethylbenzene	µg/m^3	**0.097 NJ**
1,3-Butadiene	µg/m^3	0.44 U
1,3-Dichlorobenzene	µg/m^3	1.2 U
1,4-Dichlorobenzene	µg/m^3	1.2 U
1,4-Dioxane	µg/m^3	18 U
2,2,4-Trimethylpentane	µg/m^3	**0.72 NJ**
2-Butanone	µg/m^3	1.5 U
2-Hexanone	µg/m^3	2 U
3-Chloropropene	µg/m^3	1.6 U
4-Ethyltoluene	µg/m^3	**0.11 NJ**
4-Methyl-2-pentanone	µg/m^3	2 U
Acetone	µg/m^3	**9.6 NJ**
Benzene	µg/m^3	**1.4**
Benzyl Chloride	µg/m^3	1 U
Bromodichloromethane	µg/m^3	1.3 U
Bromoform	µg/m^3	2.1 U
Bromomethane	µg/m^3	0.78 U
Carbon Disulfide	µg/m^3	1.6 U
Carbon Tetrachloride	µg/m^3	**0.47**
Chlorobenzene	µg/m^3	0.92 U
Chloroethane	µg/m^3	1.3 U
Chloroform	µg/m^3	0.98 U
Chloromethane	µg/m^3	**1.1**
cis-1,2-Dichloroethene	µg/m^3	0.79 U
cis-1,3-Dichloropropene	µg/m^3	0.91 U
Cyclohexane	µg/m^3	**0.3 NJ**
Dibromochloromethane	µg/m^3	1.7 U
Dichlorodifluoromethane	µg/m^3	**2.5**
Ethyl acetate	µg/m^3	-
Ethylbenzene	µg/m^3	**0.33 NJ**
Heptane	µg/m^3	**1.4**
Hexachlorobutadiene	µg/m^3	2.1 U
Isopropyl alcohol	µg/m^3	**5.8 NJ**
m&p-Xylene	µg/m^3	**0.96 NJ**
Methyl tert-butyl ether	µg/m^3	0.72 U
Methylene Chloride	µg/m^3	1.7 U
n-Hexane	µg/m^3	**1.8**
o-Xylene	µg/m^3	**0.31 NJ**
Propylene	µg/m^3	-
Styrene	µg/m^3	0.85 U
Tetrachloroethene	µg/m^3	1.4 U
Tetrahydrofuran	µg/m^3	15 U
Toluene	µg/m^3	**1.9**

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Table 3. Concentrations of Volatile Organic Compounds in Outdoor Ambient Air Collected in February 2014

Location ID: Date Collected: Area:	Units	Outdoor Air 2/13/14 Ambient
trans-1,2-Dichloroethene	µg/m^3	0.79 U
trans-1,3-Dichloropropene	µg/m^3	0.91 U
Trichloroethene	µg/m^3	**0.84**
Trichlorofluoromethane	µg/m^3	**1.2**
Vinyl Acetate	µg/m^3	-
Vinyl Bromide	µg/m^3	0.87 U
Vinyl Chloride	µg/m^3	0.1 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

NJ = Analyte has been "tentatively identified" and the result is an approximated value.

J = Analyte detected at or below quantitation limits and/or estimated value.

U = Not detected at the reporting limit.

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Table 4. Summary of Constituents Detected in February 2014 Sub-Slab Soil Gas and Indoor Air Samples

	CAS#	Observed in Facility (2014) *	Sub-Slab Soil Gas (µg/m^3)					Indoor Air Data (µg/m^3)				
			FOD	%	Detected	Minimum Detect	Maximum Detect	FOD	%	Detected	Minimum Detect	Maximum Detect
1,1,1-Trichloroethane	71-55-6		5/15	33.3	Yes	1.9	72	0/15	0.0	No		
1,1,2,2-Tetrachloroethane	79-34-5		2/15	13.3	Yes	0.60	2.9	0/15	0.0	No		
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1		10/15	66.7	Yes	0.24	24	8/15	53.3	Yes	0.4	0.69
1,1,2-Trichloroethane	79-00-5		2/15	13.3	Yes	0.48	2.1	0/15	0.0	No		
1,1-Dichloroethane	75-34-3		7/15	46.7	Yes	0.40	27	0/15	0.0	No		
1,1-Dichloroethene	75-35-4		1/15	6.7	Yes	0.41	0.41	0/15	0.0	No		
1,2,4-Trichlorobenzene	120-82-1		0/15	0.0	No			1/15	6.7	Yes	8.3	8.3
1,2,4-Trimethylbenzene	95-63-6	Yes	8/15	53.3	Yes	0.21	2.5	5/15	33.3	Yes	0.2	0.35
1,2-Dibromoethane	106-93-4		0/15	0.0	No			0/15	0.0	No		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2		1/15	6.7	Yes	0.65	0.65	0/15	0.0	No		
1,2-Dichlorobenzene	95-50-1		2/15	13.3	Yes	0.42	2.3	0/15	0.0	No		
1,2-Dichloroethane	107-06-2		2/15	13.3	Yes	0.33	1.7	0/15	0.0	No		
1,2-Dichloropropane	78-87-5		0/15	0.0	No			0/15	0.0	No		
1,3,5-Trimethylbenzene	108-67-8		7/15	46.7	Yes	0.095	2.3	4/15	26.7	Yes	0.12	0.27
1,3-Butadiene	106-99-0		2/15	13.3	Yes	0.20	0.54	6/15	40.0	Yes	0.27	0.81
1,3-Dichlorobenzene	541-73-1		14/15	93.3	Yes	1.3	7.5	0/15	0.0	No		
1,4-Dichlorobenzene	106-46-7		2/15	13.3	Yes	0.39	1.9	0/15	0.0	No		
1,4-Dioxane	123-91-1		1/15	6.7	Yes	1.8	1.8	1/15	6.7	Yes	2.1	2.1
2,2,4-Trimethylpentane	540-84-1		6/15	40.0	Yes	0.41	3.8	3/15	20.0	Yes	0.44	1.4
2-Butanone	78-93-3	Yes	14/15	93.3	Yes	13	82	7/15	46.7	Yes	1.5	5.3
2-Hexanone	591-78-6		0/15	0.0	No			0/15	0.0	No		
3-Chloropropene	107-05-1		0/15	0.0	No			0/15	0.0	No		
4-Ethyltoluene	622-96-8		7/15	46.7	Yes	0.095	2.2	4/15	26.7	Yes	0.14	0.38
4-Methyl-2-pentanone	108-10-1		3/15	20.0	Yes	0.34	0.84	0/15	0.0	No		
Acetone	67-64-1	Yes	10/15	66.7	Yes	24	86	8/15	53.3	Yes	8.4	20
Benzene	71-43-2		12/15	80.0	Yes	0.59	1.9	8/15	53.3	Yes	0.86	1.2
Benzyl Chloride	100-44-7		0/15	0.0	No			0/15	0.0	No		
Bromodichloromethane	75-27-4		2/15	13.3	Yes	0.47	2.3	0/15	0.0	No		
Bromoform	75-25-2		1/15	6.7	Yes	0.71	0.71	0/15	0.0	No		
Bromomethane	74-83-9		1/15	6.7	Yes	0.35	0.35	0/15	0.0	No		
Carbon Disulfide	75-15-0		3/15	20.0	Yes	0.68	4.3	1/15	6.7	Yes	0.74	0.74
Carbon Tetrachloride	56-23-5		6/15	40.0	Yes	0.22	2.3	8/15	53.3	Yes	0.26	0.52
Chlorobenzene	108-90-7		5/15	33.3	Yes	0.55	2.0	4/15	26.7	Yes	0.37	0.57
Chloroethane	75-00-3		1/15	6.7	Yes	0.40	0.40	0/15	0.0	No		
Chloroform	67-66-3		6/15	40.0	Yes	0.98	69	0/15	0.0	No		
Chloromethane	74-87-3		1/15	6.7	Yes	1.1	1.1	5/15	33.3	Yes	1.1	1.3
cis-1,2-Dichloroethene	156-59-2		1/15	6.7	Yes	0.93	0.93	0/15	0.0	No		
cis-1,3-Dichloropropene	542-75-6		0/15	0.0	No			0/15	0.0	No		
Cyclohexane	110-82-7		13/15	86.7	Yes	0.94	40	13/15	86.7	Yes	2.9	67
Dibromochloromethane	124-48-1		0/15	0.0	No			0/15	0.0	No		
Dichlorodifluoromethane	75-71-8		9/15	60.0	Yes	1.0	130	8/15	53.3	Yes	2.3	2.9
Ethyl acetate	141-78-6		-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	Yes	8/15	53.3	Yes	0.45	2.3	8/15	53.3	Yes	0.21	0.63
Heptane	142-82-5	Yes	3/15	20.0	Yes	0.7	1.0	4/15	26.7	Yes	0.49	1.6
Hexachlorobutadiene	87-68-3		0/12	0.0	No			0/15	0.0	No		
Isopropyl alcohol	67-63-0	Yes	15/15	100.0	Yes	380	2900	15/15	100.0	Yes	22	1700
m&p-Xylene	1330-20-7	Yes	6/15	40.0	Yes	0.50	1.7	8/15	53.3	Yes	0.39	0.82
Methyl tert-butyl ether	1634-04-4		0/15	0.0	No			0/15	0.0	No		
Methylene Chloride	75-09-2		15/15	100.0	Yes	2.0	1400	15/15	100.0	Yes	1.3	1600
n-Hexane	110-54-3	Yes	8/15	53.3	Yes	0.46	3.3	8/15	53.3	Yes	0.47	1.9
o-Xylene	95-47-6	Yes	7/15	46.7	Yes	0.20	2.1	7/15	46.7	Yes	0.17	0.3
Propylene	115-07-1		-	-	-	-	-	-	-	-	-	-
Styrene	100-42-5	Yes	7/15	46.7	Yes	0.25	2.3	6/15	40.0	Yes	0.13	2.1
Tetrachloroethene	127-18-4		8/15	53.3	Yes	0.14	16	4/15	26.7	Yes	0.22	0.39
Tetrahydrofuran	109-99-9		11/15	73.3	Yes	0.55	41	9/15	60.0	Yes	0.27	57
Toluene	108-88-3	Yes	14/15	93.3	Yes	0.44	6.9	14/15	93.3	Yes	1.7	8
trans-1,2-Dichloroethene	156-60-5		1/15	6.7	Yes	0.39	0.39	0/15	0.0	No		
trans-1,3-Dichloropropene	542-75-6		1/15	6.7	Yes	0.34	0.34	0/15	0.0	No		
Trichloroethene	79-01-6		8/15	53.3	Yes	0.14	26	0/15	0.0	No		
Trichlorofluoromethane	75-69-4		9/15	60.0	Yes	0.61	47	8/15	53.3	Yes	1.2	3.8
Vinyl Acetate	108-05-4		-	-	-	-	-	-	-	-	-	-
Vinyl Bromide	593-60-2		0/15	0.0	No			0/15	0.0	No		
Vinyl Chloride	75-01-4		1/15	6.7	Yes	0.27	0.27	0/15	0.0	No		

Notes:

µg/m^3 = Micrograms per cubic meter.

FOD = Frequency of detection.

- = parameter not analyzed

% = Detection percent.

* "Yes" entry identifies chemical observed in facility during building survey. Chemical identified on ConMed product inventory form where indicated (bold font).

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Table 5. Matrix Evaluation of VI Data February 2014

Location ID: Sample Type: Date Collected:	Units	VMP-1B Sub-slab Soil Vapor 02/12/14	VMP-1B Indoor Air 02/12/14	Matrix Output
1,1,1-Trichloroethane	ug/m3	1.1 U	1.1 U [1.1 U]	No further action
1,1-Dichloroethene	ug/m3	**0.41 NJ**	0.79 U [0.79 U]	No further action
Carbon Tetrachloride	ug/m3	**0.65**	**0.38 J [0.52 J]**	Background [a]
cis-1,2-Dichloroethene	ug/m3	**0.93**	0.79 U [0.79 U]	No further action
Tetrachloroethene	ug/m3	**6.0**	**0.22 NJ [0.24 NJ]**	No further action
Trichloroethene	ug/m3	**4.1**	0.21 U [0.21 U]	No further action
Vinyl Chloride	ug/m3	**0.27**	0.10 U [0.10 U]	No further action

Location ID: Sample Type: Date Collected:	Units	VMP-2B Sub-slab Soil Vapor 02/12/14	VMP-2B Indoor Air 02/12/14	Matrix Output
1,1,1-Trichloroethane	ug/m3	**72**	1.1 U	No further action
1,1-Dichloroethene	ug/m3	2.0 U	0.79 U	No further action
Carbon Tetrachloride	ug/m3	0.63 U	**0.43**	Background [a]
cis-1,2-Dichloroethene	ug/m3	2.0 U	0.79 U	No further action
Tetrachloroethene	ug/m3	**2.4 NJ**	1.4 U	No further action
Trichloroethene	ug/m3	**23**	0.21 U	No further action
Vinyl Chloride	ug/m3	0.26 U	0.1 U	No further action

Location ID: Sample Type: Date Collected:	Units	VMP-2C Sub-slab Soil Vapor 02/12/14	VMP-2C Indoor Air 02/12/14	Matrix Output
1,1,1-Trichloroethane	ug/m3	**1.9**	1.1 U	No further action
1,1-Dichloroethene	ug/m3	0.79 U	0.79 U	No further action
Carbon Tetrachloride	ug/m3	**0.34**	**0.47**	Background [a]
cis-1,2-Dichloroethene	ug/m3	0.79 U	0.79 U	No further action
Tetrachloroethene	ug/m3	**0.30 NJ**	1.4 U	No further action
Trichloroethene	ug/m3	**0.14 NJ**	0.21 U	No further action
Vinyl Chloride	ug/m3	0.10 U	0.1 U	No further action

Location ID: Sample Type: Date Collected:	Units	VMP-3A Sub-slab Soil Vapor 02/12/14	VMP-3A Indoor Air 02/12/14	Matrix Output
1,1,1-Trichloroethane	ug/m3	22 U	14 U	Background [a]
1,1-Dichloroethene	ug/m3	16 U	10 U	Background [a]
Carbon Tetrachloride	ug/m3	5.1 U[A] | 2.7 U[B]	3.2 U	Background [a][C]
cis-1,2-Dichloroethene	ug/m3	16 U	10 U	Background [a]
Tetrachloroethene	ug/m3	27 U	17 U	Background [a]
Trichloroethene	ug/m3	4.3 U	2.8 U	Background [a]
Vinyl Chloride	ug/m3	2.1 U	1.3 U	Background [a]

Location ID: Sample Type: Date Collected:	Units	VMP-3B Sub-slab Soil Vapor 02/12/14	VMP-3B Indoor Air 02/12/14	Matrix Output
1,1,1-Trichloroethane	ug/m3	1.1 U	1.1 U	No further action
1,1-Dichloroethene	ug/m3	0.79 U	0.79 U	No further action
Carbon Tetrachloride	ug/m3	**0.22 NJ**	**0.41**	Background [a]
cis-1,2-Dichloroethene	ug/m3	0.79 U	0.79 U	No further action
Tetrachloroethene	ug/m3	1.4 U	**0.32 NJ**	No further action
Trichloroethene	ug/m3	0.21 U	0.21 U	No further action
Vinyl Chloride	ug/m3	0.10 U	0.1 U	No further action

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Table 5. Matrix Evaluation of VI Data February 2014

Location ID: / Sample Type: / Date Collected:	Units	VMP-3D Sub-slab Soil Vapor 02/12/14	VMP-3D Indoor Air 02/12/14	Matrix Output
1,1,1-Trichloroethane	ug/m3	1.1 U	1.1 U	No further action
1,1-Dichloroethene	ug/m3	0.79 U	0.79 U	No further action
Carbon Tetrachloride	ug/m3	**0.36**	**0.45**	Background [a]
cis-1,2-Dichloroethene	ug/m3	0.79 U	0.79 U	No further action
Tetrachloroethene	ug/m3	**0.14 NJ**	**0.39 NJ**	No further action
Trichloroethene	ug/m3	0.21 U	0.21 U	No further action
Vinyl Chloride	ug/m3	0.10 U	0.1 U	No further action

Location ID: / Sample Type: / Date Collected:	Units	VMP-3E Sub-slab Soil Vapor 02/12/14	VMP-3E Indoor Air 02/12/14	Matrix Output
1,1,1-Trichloroethane	ug/m3	1.1 U	1.1 U	No further action
1,1-Dichloroethene	ug/m3	0.79 U	0.79 U	No further action
Carbon Tetrachloride	ug/m3	**0.41**	**0.43**	Background [a]
cis-1,2-Dichloroethene	ug/m3	0.79 U	0.79 U	No further action
Tetrachloroethene	ug/m3	**0.87 NJ**	**0.39 NJ**	No further action
Trichloroethene	ug/m3	**0.20 NJ**	0.21 U	No further action
Vinyl Chloride	ug/m3	0.10 U	0.1 U	No further action

Location ID: / Sample Type: / Date Collected:	Units	VMP-4 Sub-slab Soil Vapor 02/12/14	VMP-4 Indoor Air 02/12/14	Matrix Output
1,1,1-Trichloroethane	ug/m3	2.2 U	1.1 U	No further action
1,1-Dichloroethene	ug/m3	1.6 U	0.79 U	No further action
Carbon Tetrachloride	ug/m3	0.50 U	**0.42**	Background [a]
cis-1,2-Dichloroethene	ug/m3	1.6 U	0.79 U	No further action
Tetrachloroethene	ug/m3	**3.3**	1.4 U	No further action
Trichloroethene	ug/m3	0.43 U	0.21 U	No further action
Vinyl Chloride	ug/m3	0.20 U	0.1 U	No further action

Location ID: / Sample Type: / Date Collected:	Units	VMP-5A Sub-slab Soil Vapor 02/12/14	VMP-5A Indoor Air 02/12/14	Matrix Output
1,1,1-Trichloroethane	ug/m3	**12**	42 U	Background [a]
1,1-Dichloroethene	ug/m3	4.5 U	30 U	Background [a]
Carbon Tetrachloride	ug/m3	1.4 U	9.6 U	Background [a]
cis-1,2-Dichloroethene	ug/m3	4.5 U	30 U	Background [a]
Tetrachloroethene	ug/m3	**16**	52 U	Background [a]
Trichloroethene	ug/m3	**26**	8.2 U[A] / 4.9 U[B]	Monitor[C]
Vinyl Chloride	ug/m3	0.58 U	3.9 U	Background [a]

Location ID: / Sample Type: / Date Collected:	Units	VMP-5B Sub-slab Soil Vapor 02/12/14	VMP-5B Indoor Air 02/12/14	Matrix Output
1,1,1-Trichloroethane	ug/m3	7.5 U	14 U	Background [a]
1,1-Dichloroethene	ug/m3	5.5 U	10 U	Background [a]
Carbon Tetrachloride	ug/m3	1.7 U	3.3 U	Background [a]
cis-1,2-Dichloroethene	ug/m3	5.5 U	10 U	Background [a]
Tetrachloroethene	ug/m3	9.4 U	18 U	Background [a]
Trichloroethene	ug/m3	1.5 U	2.8 U	Background [a]
Vinyl Chloride	ug/m3	0.71 U	1.3 U	Background [a]

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Table 5. Matrix Evaluation of VI Data February 2014

Location ID: / Sample Type: / Date Collected:	Units	VMP-6A Sub-slab Soil Vapor 02/12/14	VMP-6A Indoor Air 02/12/14	Matrix Output
1,1,1-Trichloroethane	ug/m3	**19**	16 U	Background [a]
1,1-Dichloroethene	ug/m3	7.9 U	12 U	Background [a]
Carbon Tetrachloride	ug/m3	2.5 U	3.7 U	Background [a]
cis-1,2-Dichloroethene	ug/m3	7.9 U	12 U	Background [a]
Tetrachloroethene	ug/m3	14 U	20 U	Background [a]
Trichloroethene	ug/m3	**11**	3.2 U	Monitor
Vinyl Chloride	ug/m3	1.0 U	1.5 U	Background [a]

Location ID: / Sample Type: / Date Collected:	Units	VMP-6B Sub-slab Soil Vapor 02/12/14	VMP-6B Indoor Air 02/12/14	Matrix Output
1,1,1-Trichloroethane	ug/m3	11 U	11 U	Background [a]
1,1-Dichloroethene	ug/m3	7.9 U	7.9 U	Background [a]
Carbon Tetrachloride	ug/m3	**2.3 NJ**	2.5 U	Background [a]
cis-1,2-Dichloroethene	ug/m3	7.9 U	7.9 U	Background [a]
Tetrachloroethene	ug/m3	**11 NJ**	14 U	Background [a]
Trichloroethene	ug/m3	**2.1 NJ**	2.1 U	Background [a]
Vinyl Chloride	ug/m3	1.0 U	1 U	Background [a]

Location ID: / Sample Type: / Date Collected:	Units	VMP-7 Sub-slab Soil Vapor 02/12/14	VMP-7 Indoor Air 02/12/14	Matrix Output
1,1,1-Trichloroethane	ug/m3	8.7 U	11 U	Background [a]
1,1-Dichloroethene	ug/m3	6.3 U	7.9 U	Background [a]
Carbon Tetrachloride	ug/m3	2.0 U	2.5 U	Background [a]
cis-1,2-Dichloroethene	ug/m3	6.3 U	7.9 U	Background [a]
Tetrachloroethene	ug/m3	11 U	14 U	Background [a]
Trichloroethene	ug/m3	1.7 U	2.1 U	Background [a]
Vinyl Chloride	ug/m3	0.82 U	1 U	Background [a]

Location ID: / Sample Type: / Date Collected:	Units	VMP-7A Sub-slab Soil Vapor 02/12/14	VMP-7A Indoor Air 02/12/14	Matrix Output
1,1,1-Trichloroethane	ug/m3	**7.0 J** [10 U]	11 U	Background [a]
1,1-Dichloroethene	ug/m3	5.9 U [5.9 U]	7.9 U	Background [a]
Carbon Tetrachloride	ug/m3	1.9 U [1.9 U]	2.5 U	Background [a]
cis-1,2-Dichloroethene	ug/m3	5.9 U [5.9 U]	7.9 U	Background [a]
Tetrachloroethene	ug/m3	10 U [10 U]	14 U	Background [a]
Trichloroethene	ug/m3	**14 J [21 J]**	2.1 U	Monitor
Vinyl Chloride	ug/m3	0.77 U [0.76 U]	1 U	Background [a]

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Table 5. Matrix Evaluation of VI Data February 2014

Location ID:		VMP-7B	VMP-7B	
Sample Type:		Sub-slab Soil Vapor	Indoor Air	Matrix*
Date Collected:	Units	02/13/14	-	Output
1,1,1-Trichloroethane	ug/m3	26 U	NS	-
1,1-Dichloroethene	ug/m3	19 U	NS	-
Carbon Tetrachloride	ug/m3	6.0 U	NS	-
cis-1,2-Dichloroethene	ug/m3	19 U	NS	-
Tetrachloroethene	ug/m3	32 U	NS	-
Trichloroethene	ug/m3	5.1 U	NS	-
Vinyl Chloride	ug/m3	2.4 U	NS	-

Location ID:		VMP-8D	VMP-8D	
Sample Type:		Sub-slab Soil Vapor	Indoor Air	Matrix*
Date Collected:	Units	-	02/12/14	Output
1,1,1-Trichloroethane	ug/m3	NS	1.1 U	-
1,1-Dichloroethene	ug/m3	NS	0.79 U	-
Carbon Tetrachloride	ug/m3	NS	**0.26**	-
cis-1,2-Dichloroethene	ug/m3	NS	0.79 U	-
Tetrachloroethene	ug/m3	NS	1.4 U	-
Trichloroethene	ug/m3	NS	0.21 U	-
Vinyl Chloride	ug/m3	NS	0.1 U	-

Notes:

* The cannister placed at VMP-8D did not collect any sub-slab vapor, therefore no sample was analyzed; a sub-slab sample was taking from VMP-7B the following day. Because the indoor air and sub-slab sample were not taken at the same location, the NYSDOH guidance cannot be applied as they are not considered a pair.

[A] = Analyte reporting limit

[B] = Analyte method detection limit

[C] = NYSDOH matrix output based on analyte method detection limit

[a] Take reasonable and practical actions to identify source(s) and reduce exposures.

$\mu g/m^3$ = Micrograms per cubic meter.

J = Analyte detected at or below quantitation limits and/or estimated value.

NJ = Analyte has been "tentatively identified" and the result is an approximated value.

NS = not sampled

U = Not detected at the reporting limit.

[1.0 U] = Duplicate results in brackets.

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Table 6. Comparison of 2009 through 2014 Actions Using NYSDOH Matrices

Constituent	VMP-1A					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	Did not sample this location in 2011	Did not sample this location in 2012	Did not sample this location in 2013	Did not sample this location in 2014
1,1-Dichloroethene	No Further Action	No Further Action				
Carbon Tetrachloride	Background [a]	No Further Action				
cis-1,2-Dichloroethene	No Further Action	No Further Action				
Tetrachloroethene	No Further Action	No Further Action				
Trichloroethene	Monitor	Background [a]				
Vinyl Chloride	No Further Action	No Further Action				

Constituent	VMP-1B					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	No further action	No further action	No further action	No further action
1,1-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Carbon Tetrachloride	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Tetrachloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Trichloroethene	Monitor	Background [a]	Background [a]	No further action	Background [a]	No further action
Vinyl Chloride	No Further Action	No Further Action	No further action	No further action	No further action	No further action

Constituent	VMP-1C					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	Did not sample this location in 2011	Did not sample this location in 2012	Did not sample this location in 2013	Did not sample this location in 2014
1,1-Dichloroethene	No Further Action	No Further Action				
Carbon Tetrachloride	Background [a]	Background [a]				
cis-1,2-Dichloroethene	No Further Action	No Further Action				
Tetrachloroethene	No Further Action	No Further Action				
Trichloroethene	Background [a]	Background [a]				
Vinyl Chloride	No Further Action	No Further Action				

Constituent	VMP-2A					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	Did not sample this location in 2011	Did not sample this location in 2012	Did not sample this location in 2013	Did not sample this location in 2014
1,1-Dichloroethene	No Further Action	No Further Action				
Carbon Tetrachloride	Background [a]	Background [a]				
cis-1,2-Dichloroethene	No Further Action	No Further Action				
Tetrachloroethene	No Further Action	No Further Action				
Trichloroethene	Background [a]	Background [a]				
Vinyl Chloride	No Further Action	No Further Action				

Constituent	VMP-2B					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	No further action	No further action	No further action	No further action
1,1-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Carbon Tetrachloride	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Tetrachloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Trichloroethene	Background [a]	Background [a]	Monitor	No further action	Background [a]	No further action
Vinyl Chloride	No Further Action	No Further Action	No further action	No further action	No further action	No further action

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Table 6. Comparison of 2009 through 2014 Actions Using NYSDOH Matrices

Constituent	VMP-2C					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	No further action	No further action	No further action	No further action
1,1-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Carbon Tetrachloride	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Tetrachloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Trichloroethene	Background [a]	Background [a]	Background [a]	No further action	Background [a]	No further action
Vinyl Chloride	No Further Action	No Further Action	No further action	No further action	No further action	No further action

Constituent	VMP-3A					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	Monitor	No Further Action	No further action	No further action	No further action	Background [a]
1,1-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	Background [a]
Carbon Tetrachloride	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a][C]
cis-1,2-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	Background [a]
Tetrachloroethene	No Further Action	No Further Action	No further action	No further action	No further action	Background [a]
Trichloroethene	Mitigate	Mitigate	Background [a]	No further action	Background [a]	Background [a]
Vinyl Chloride	No Further Action	No Further Action	No further action	No further action	No further action	Background [a]

Constituent	VMP-3B					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	No further action	No further action	No further action	No further action
1,1-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Carbon Tetrachloride	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Tetrachloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Trichloroethene	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	No further action
Vinyl Chloride	No Further Action	No Further Action	No further action	No further action	No further action	No further action

Constituent	VMP-3C					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	Did not sample this location in 2011	Did not sample this location in 2012	Did not sample this location in 2013	Did not sample this location in 2014
1,1-Dichloroethene	No Further Action	No Further Action				
Carbon Tetrachloride	Background [a]	Background [a]				
cis-1,2-Dichloroethene	No Further Action	No Further Action				
Tetrachloroethene	No Further Action	No Further Action				
Trichloroethene	Background [a]	Background [a]				
Vinyl Chloride	No Further Action	No Further Action				

Constituent	VMP-3D					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	No further action	No further action	No further action	No further action
1,1-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Carbon Tetrachloride	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Tetrachloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Trichloroethene	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	No further action
Vinyl Chloride	No Further Action	Background [a]	No further action	No further action	No further action	No further action

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Table 6. Comparison of 2009 through 2014 Actions Using NYSDOH Matrices

Constituent	VMP-3E					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	No further action	No further action	No further action	No further action
1,1-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Carbon Tetrachloride	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Tetrachloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Trichloroethene	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	No further action
Vinyl Chloride	No Further Action	No Further Action	No further action	No further action	No further action	No further action

Constituent	VMP-4					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	No Further Action	No Further Action	No further action	No further action
1,1-Dichloroethene	No Further Action	No Further Action	No Further Action	No Further Action	No further action	No further action
Carbon Tetrachloride	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene	No Further Action	No Further Action	No Further Action	No Further Action	No further action	No further action
Tetrachloroethene	No Further Action	No Further Action	No Further Action	No Further Action	No further action	No further action
Trichloroethene	Background [a]	Background [a]	Background [a]	No Further Action	Background [a]	No further action
Vinyl Chloride	No Further Action	No Further Action	No Further Action	No Further Action	No further action	No further action

Constituent	VMP-5A					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	No Further Action	No Further Action	No further action	Background [a]
1,1-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]
Carbon Tetrachloride			Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]
Tetrachloroethene			No Further Action	No Further Action	No further action	Background [a]
Trichloroethene			Background [a]	No Further Action	Background [a]	Monitor[c]
Vinyl Chloride			No Further Action	No Further Action	No further action	Background [a]

Constituent	VMP-5B					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	No Further Action	No Further Action	No further action	Background [a]
1,1-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]
Carbon Tetrachloride			Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]
Tetrachloroethene			No Further Action	No Further Action	No further action	Background [a]
Trichloroethene			Background [a]	Background [a]	Background [a]	Background [a]
Vinyl Chloride			No Further Action	No Further Action	No further action	Background [a]

Constituent	VMP-6					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	No Further Action	No Further Action	No further action	Did not sample this location in 2014
1,1-Dichloroethene			No Further Action	No Further Action	No further action	
Carbon Tetrachloride			Background [a]	Background [a]	Background [a]	
cis-1,2-Dichloroethene			No Further Action	No Further Action	No further action	
Tetrachloroethene			No Further Action	No Further Action	No further action	
Trichloroethene			Background [a]	Background [a]	No further action	
Vinyl Chloride			No Further Action	No Further Action	No further action	

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Table 6. Comparison of 2009 through 2014 Actions Using NYSDOH Matrices

Constituent	VMP-6A					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	No Further Action	No Further Action	No further action	Background [a]
1,1-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]
Carbon Tetrachloride			Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]
Tetrachloroethene			No Further Action	No Further Action	No further action	Background [a]
Trichloroethene			Background [a]	Monitor / Mitigate	Background [a]	Monitor
Vinyl Chloride			No Further Action	No Further Action	No further action	Background [a]

Constituent	VMP-6B					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	Did not sample this location in 2011	Did not sample this location in 2012	No further action	Background [a]
1,1-Dichloroethene					No further action	Background [a]
Carbon Tetrachloride					Background [a]	Background [a]
cis-1,2-Dichloroethene					No further action	Background [a]
Tetrachloroethene					No further action	Background [a]
Trichloroethene					Background [a]	Background [a]
Vinyl Chloride					No further action	Background [a]

Constituent	VMP-7					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	No Further Action	No Further Action	No further action	Background [a]
1,1-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]
Carbon Tetrachloride			Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]
Tetrachloroethene			No Further Action	No Further Action	No further action	Background [a]
Trichloroethene			Background [a]	No Further Action	Background [a]	Background [a]
Vinyl Chloride			No Further Action	No Further Action	No further action	Background [a]

Constituent	VMP-7A					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	No Further Action	No Further Action	No further action	Background [a]
1,1-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]
Carbon Tetrachloride			Background [a]	No Further Action	Background [a]	Background [a]
cis-1,2-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]
Tetrachloroethene			No Further Action	No Further Action	No further action	Background [a]
Trichloroethene			Mitigate	Monitor	Monitor	Monitor
Vinyl Chloride			No Further Action	No Further Action	No further action	Background [a]

Constituent	VMP-7B					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	Did not sample this location in 2011	Did not sample this location in 2011	Did not sample this location in 2011	-
1,1-Dichloroethene						-
Carbon Tetrachloride						-
cis-1,2-Dichloroethene						-
Tetrachloroethene						-
Trichloroethene						-
Vinyl Chloride						-

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Table 6. Comparison of 2009 through 2014 Actions Using NYSDOH Matrices

Constituent	VMP-GS1					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	No further action	Did not sample this location in 2011	Did not sample this location in 2012	No further action	Did not sample this location in 2014
1,1-Dichloroethene		No further action			No further action	
Carbon Tetrachloride		Background [a]			Background [a]	
cis-1,2-Dichloroethene		No further action			No further action	
Tetrachloroethene		No further action			No further action	
Trichloroethene		Background [a]			Background [a]	
Vinyl Chloride		No further action			No further action	

Constituent	VMP-8D					
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	Did not sample this location in 2011	Did not sample this location in 2012	Did not sample this location in 2013	-
1,1-Dichloroethene						-
Carbon Tetrachloride						-
cis-1,2-Dichloroethene						-
Tetrachloroethene						-
Trichloroethene						-
Vinyl Chloride						-

Notes:

[a] Take reasonable and practical actions to identify source(s) and reduce exposures.

^{C} = NYSDOH matrix output based on analyte method detection limit

NYSDOH = New York State Department of Health.

FIGURES

CITY:(MAHWAH) DIV/GROUP:(ENRI- 1) DB:(JG LD:(Opt) PIC:(Opt) PM:(CM) TM:(BM) LYR:(Opt)ON=*;OFF=*REF*
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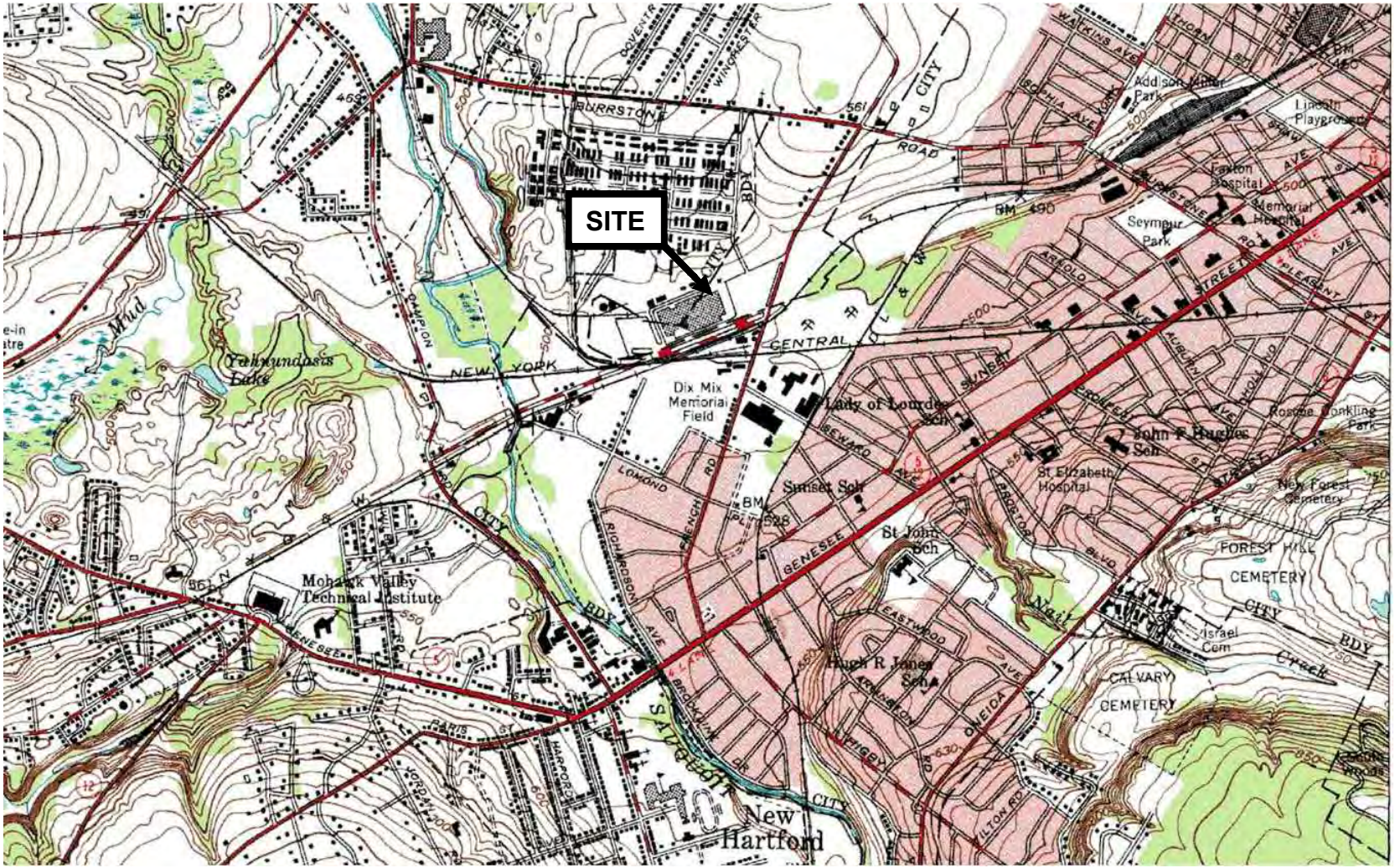



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SCALE IN FEET

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NEW YORK
2014 ANNUAL VAPOR INTRUSION STUDY REPORT
FOR T□E SOLVENT DOC□ AREA

SITE LOCATION MAP

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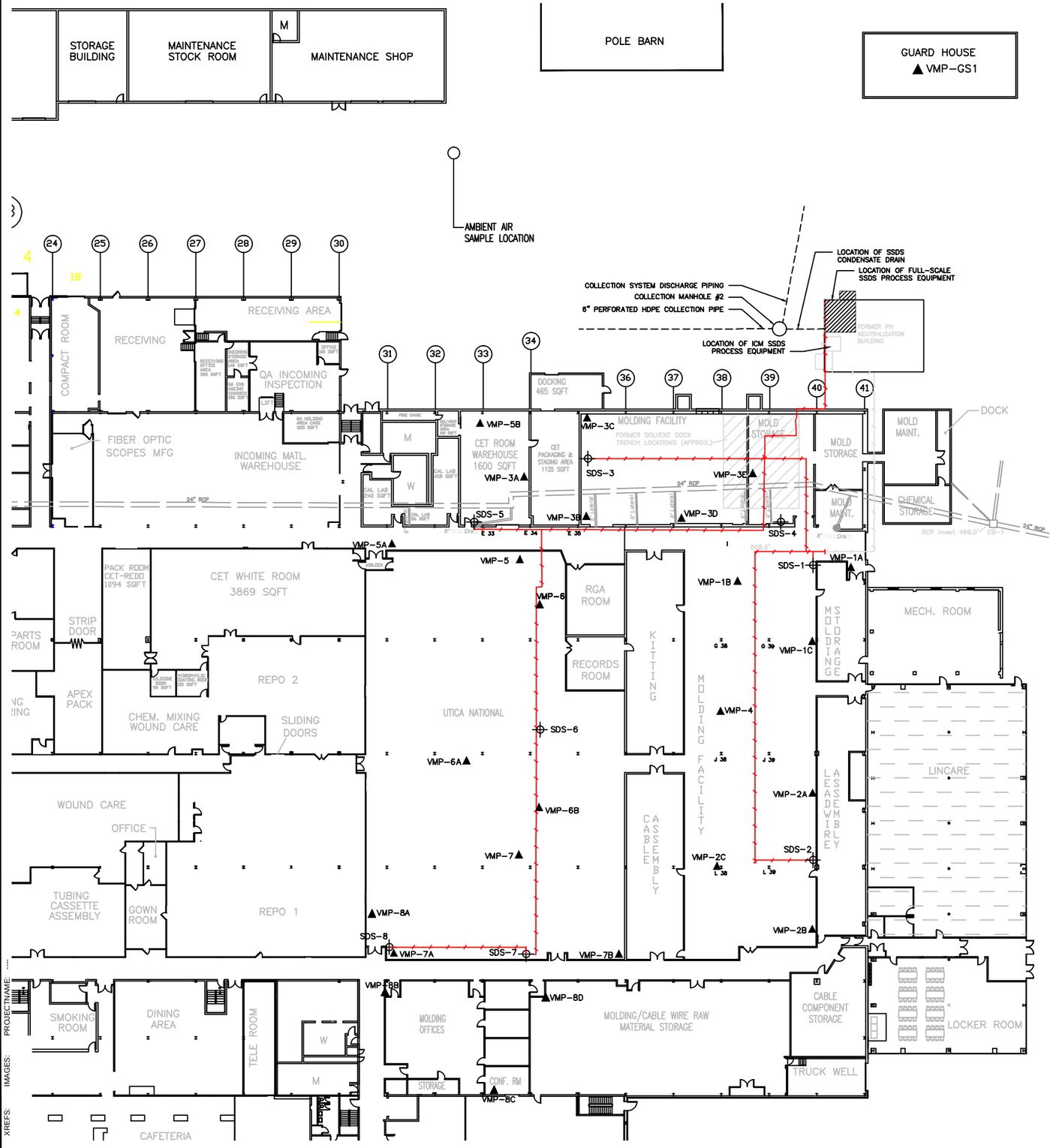
1



LEGEND:

- SDS-4 — LOCATION OF SUBSLAB DEPRESSURIZATION SUMP (SDS)
- VMP-4 ▲ — PERMANENT VAPOR MONITORING POINT (VMP)
- LOCATION OF SUBSLAB DEPRESSURIZATION SYSTEM EQUIPMENT
- LOCATION OF SUBSLAB DEPRESSURIZATION ABOVE GRADE PIPING
- (35) — BUILDING COLUMN LINE IDENTIFICATION
- 24" RCP — ACTIVE FACILITY STORM SEWER

NOTES:

1. BASE DRAWING SOURCE: CONMED, TITLE: FRENCH ROAD BLOCK PLAN PROPOSED SPACE UTILIZATION, DRAWING NO:FR001, DATE: 01/28/94. CONMED SOURCE DRAWING: LOCKHEED MARTIN DRAWING NUMBER RFABLK.DWG JEG 310CT94.

0 50' 100'

GRAPHIC SCALE

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NEW YORK
2014 ANNUAL VAPOR INTRUSION STUDY REPORT FOR THE SOLVENT DOC AREA

SITE PLAN AND SYSTEM LAYOUT

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FIGURE 2

CITY:MAHWAH, NJ/SYRACUSE DIV/GROUP: 141/ENVCAD DB:JG, LJP(SYR), WLJ (SYR) LD:(Opt) PIC:(Opt) PM: C.MOTTA TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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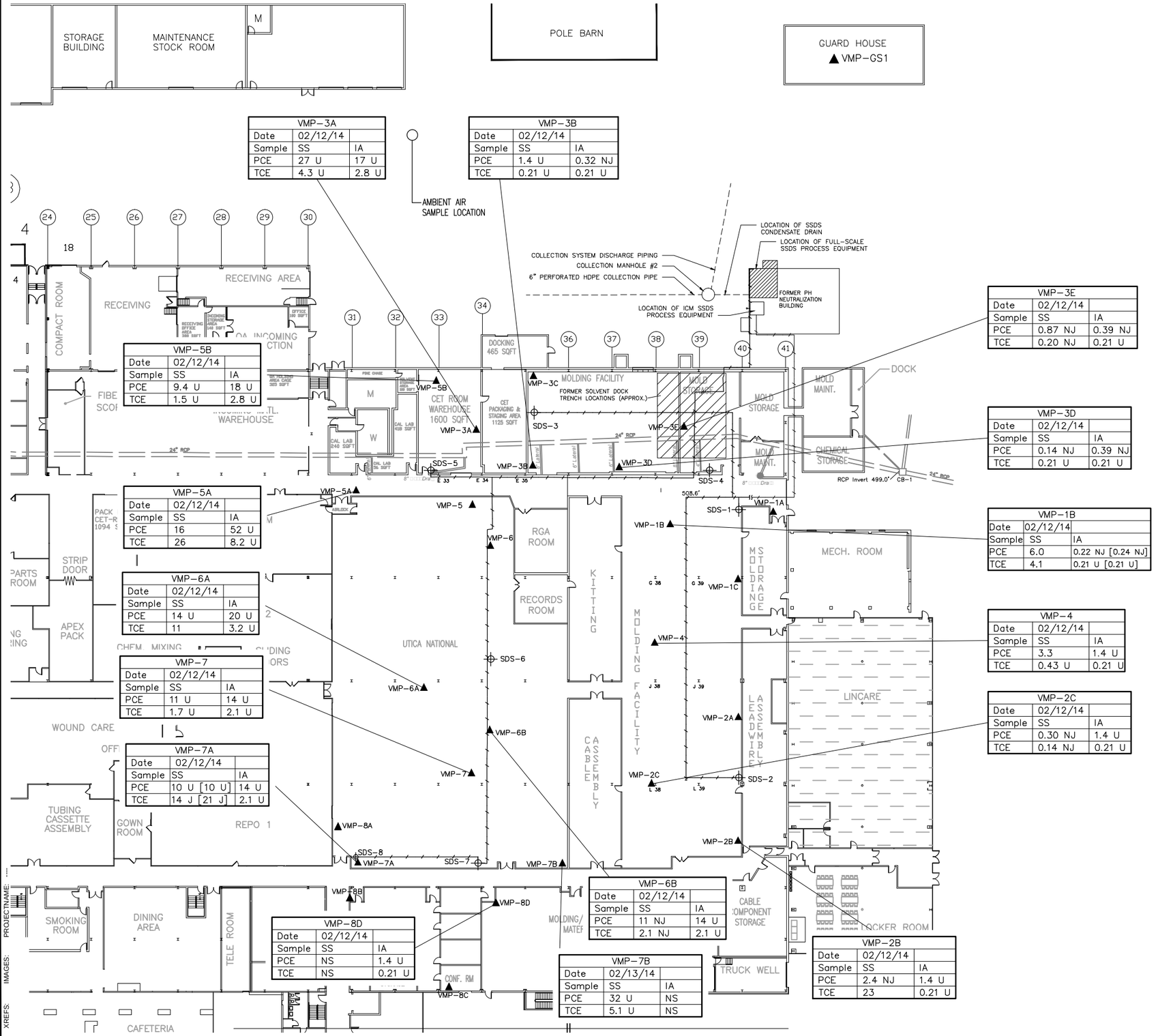

VMP-3A		
Date	02/12/14	
Sample	SS	IA
PCE	27 U	17 U
TCE	4.3 U	2.8 U

VMP-3B		
Date	02/12/14	
Sample	SS	IA
PCE	1.4 U	0.32 NJ
TCE	0.21 U	0.21 U

VMP-3E		
Date	02/12/14	
Sample	SS	IA
PCE	0.87 NJ	0.39 NJ
TCE	0.20 NJ	0.21 U

VMP-5B		
Date	02/12/14	
Sample	SS	IA
PCE	9.4 U	18 U
TCE	1.5 U	2.8 U

VMP-3D		
Date	02/12/14	
Sample	SS	IA
PCE	0.14 NJ	0.39 NJ
TCE	0.21 U	0.21 U

VMP-5A		
Date	02/12/14	
Sample	SS	IA
PCE	16	52 U
TCE	26	8.2 U

VMP-1B		
Date	02/12/14	
Sample	SS	IA
PCE	6.0	0.22 NJ [0.24 NJ]
TCE	4.1	0.21 U [0.21 U]

VMP-6A		
Date	02/12/14	
Sample	SS	IA
PCE	14 U	20 U
TCE	11	3.2 U

VMP-4		
Date	02/12/14	
Sample	SS	IA
PCE	3.3	1.4 U
TCE	0.43 U	0.21 U

VMP-7		
Date	02/12/14	
Sample	SS	IA
PCE	11 U	14 U
TCE	1.7 U	2.1 U

VMP-2C		
Date	02/12/14	
Sample	SS	IA
PCE	0.30 NJ	1.4 U
TCE	0.14 NJ	0.21 U

VMP-7A		
Date	02/12/14	
Sample	SS	IA
PCE	10 U [10 U]	14 U
TCE	14 J [21 J]	2.1 U

VMP-6B		
Date	02/12/14	
Sample	SS	IA
PCE	11 NJ	14 U
TCE	2.1 NJ	2.1 U

VMP-8D		
Date	02/12/14	
Sample	SS	IA
PCE	NS	1.4 U
TCE	NS	0.21 U

VMP-7B		
Date	02/13/14	
Sample	SS	IA
PCE	32 U	NS
TCE	5.1 U	NS

VMP-2B		
Date	02/12/14	
Sample	SS	IA
PCE	2.4 NJ	1.4 U
TCE	23	0.21 U

LEGEND:

- SDS-4 ⊕ — LOCATION OF SUBSLAB DEPRESSURIZATION SUMP (SDS)
- VMP-4 ▲ — PERMANENT VAPOR MONITORING POINT (VMP)
- ▨ — LOCATION OF SUBSLAB DEPRESSURIZATION SYSTEM EQUIPMENT
- —/— — LOCATION OF SUBSLAB DEPRESSURIZATION ABOVE GRADE PIPING
- (35) — BUILDING COLUMN LINE IDENTIFICATION
- 24" RCP — ACTIVE FACILITY STORM SEWER
- [1.0 U] — DUPLICATE RESULTS PRESENTED IN BRACKETS

ABBREVIATIONS:

U ANALYTE NOT DETECTED AT OR BELOW THE REPORTING LIMIT

J ANALYTE DETECTED AT OR BELOW THE QUANTITATION LIMITS AND/OR ESTIMATED VALUE

NJ ANALYTE HAS BEEN "TENTATIVELY IDENTIFIED" AND THE RESULT IS AN APPROXIMATE VALUE

NS NOT SAMPLED

NOTES:

1. BASE DRAWING SOURCE: CONMED, TITLE: FRENCH ROAD BLOCK PLAN PROPOSED SPACE UTILIZATION, DRAWING NO:FR001, DATE: 01/28/94. CONMED SOURCE DRAWING: LOCKHEED MARTIN DRAWING NUMBER RFABLK.DWG JEG 310CT94.
2. ANALYTICAL RESULTS REPORTED IN MICROGRAMS PER CUBIC METER (µg/m³).

0 50' 100'

GRAPHIC SCALE

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NEW YORK
2014 ANNUAL VAPOR INTRUSION STUDY REPORT
FOR THE SOLVENT DOCK AREA

FEBRUARY 2014 SUB-SLAB/INDOOR AIR SAMPLE LOCATIONS AND ANALYTICAL RESULTS

Stantec

FIGURE 3

CITY:MAHWAH, NJ/SYRACUSE DIV/GROUP: 141/ENVCAD DB:JG, LJP(SYR), WLJ (SYR) LD:(Opt) PIC:(Opt) PM: C.MOTTA TM:(Opt) LYR:(Opt)ON=*;OFF=REF*
U:\1905080\007_photos_maps_images\DRAWINGS\Report Figures\2-Vapor Intrusion\2014 Annual rpt\Drawings\2014 vi Figures\Figure 3.DWG LAYOUT: 3 SAVED: 3/24/2014 2:08 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: STANTEC_MONO_HALF.CTB PLOTTED: 3/24/2014
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APPENDIX A

Historical Data Summary

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Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		IA-1 06B07713 02/26/06 Indoor Air	IA-3 06B07716 02/26/06 Indoor Air	IA-4 06B07701 02/26/06 Indoor Air	IA-5 06B07703 02/26/06 Indoor Air	IA-6 06B07714 02/26/06 Indoor Air	IA-7 06B07711 02/26/06 Indoor Air	IA-8 06B07707 02/26/06 Indoor Air
1,1,1-Trichloroethane	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]	0.70 U	0.70 U	0.70 U
1,1,2,2-Tetrachloroethane	ug/m^3	0.90 U	0.90 U	0.90 U	0.90 U [0.90 U]	0.90 U	0.90 U	0.90 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/m^3	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/m^3	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/m^3	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/m^3	18	13	2.0	8.7 [9.4]	10	11	17
1,2-Dibromoethane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/m^3	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/m^3	4.8	4.0	2.0 U	2.6 [2.6]	3.0	3.3	4.7
1,3-Butadiene	ug/m^3	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/m^3	1.0	2.5 U	0.80 U	0.80 U [0.80 U]	2.5 U	0.80 U	0.80 U
1,4-Dichlorobenzene	ug/m^3	2.5 U	2.5 U	6.5	2.5 U [2.5 U]	2.5 U	2.5 U	2.5 U
1,4-Dioxane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
2-Butanone	ug/m^3	2.1	9.6	3.4	3.2 [6.1]	5.1	2.0	2.8
2-Hexanone	ug/m^3	1.7 U	1.8	0.50 U	0.50 U [0.50 U]	1.7 U	1.7 U	0.50 U
3-Chloropropene	ug/m^3	NA	NA	NA	NA	NA	NA	NA
4-Ethyltoluene	ug/m^3	4.3	4.7	2.0 U	2.5 [2.8]	3.8	3.3	4.2
4-Methyl-2-pentanone	ug/m^3	0.50 U	0.50 U	1.7 U	3.4 [4.6]	1.8	0.50 U	1.7 U
Acetone	ug/m^3	44	22	110	50 [66]	66	130	100
Benzene	ug/m^3	1.9	1.4	0.40 U	0.40 U [0.40 U]	1.6	1.4	1.7
Benzyl Chloride	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 U [0.40 U]	0.40 U	0.40 U	0.40 U
Carbon Tetrachloride	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U	0.60 U
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 U [0.40 U]	0.40 U	0.40 U	0.40 U
Chloroform	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U	0.60 U
Chloromethane	ug/m^3	1.3	0.90	1.3	1.1 [1.2]	0.90	1.0	1.1
cis-1,2-Dichloroethene	ug/m^3	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/m^3	17	1.4 U	9.4	9.8 [9.0]	1.4 U	1.4 U	8.7
Dibromochloromethane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	ug/m^3	2.7	5.3	2.8	2.7 [2.9]	3.3	1.9	2.7
Ethyl acetate	ug/m^3	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U
Ethylbenzene	ug/m^3	9.7	9.9	1.8 U	4.9 [4.7]	9.2	9.3	12
Heptane	ug/m^3	6.9	2.7	6.5	2.0 [1.8]	3.0	3.3	3.2
Hexachlorobutadiene	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Isopropanol	ug/m^3	46	180	130	200 [280]	290	140	79
Isopropyl alcohol	ug/m^3	NA	NA	NA	NA	NA	NA	NA
m&p-Xylene	ug/m^3	41	37	4.1	21 [21]	32	34	47
Methyl tert-butyl ether	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	ug/m^3	3.9	0.80 U	5.9	5.6 [5.1]	2.1	3.8	9.7
n-Hexane	ug/m^3	-	-	-	-	-	-	-
o-Xylene	ug/m^3	18	13	1.9	9.6 [9.5]	12	16	27
Propylene	ug/m^3	0.30 U	0.70 U	0.30 U	0.30 U [0.30 U]	0.70 U	0.30 U	0.30 U
Styrene	ug/m^3	1.8 U	1.9	1.8 U	1.8 U [1.8 U]	2.0	1.8 U	1.8 U
Tetrachloroethene	ug/m^3	18	8.5	2.8	10 [11]	9.5	15	97
Tetrahydrofuran	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U
Toluene	ug/m^3	27	23	8.0	18 [15]	27	29	50
trans-1,2-Dichloroethene	ug/m^3	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/m^3	41	0.70 U	73	23 [18]	2.8	5.7	6.0
Trichlorofluoromethane	ug/m^3	2.0	3.3	2.5	0.80 U [2.5]	2.5	1.3	1.9
Vinyl Acetate	ug/m^3	0.50 U	2.4	0.50 U	0.50 U [0.50 U]	1.5 U	0.50 U	0.50 U
Vinyl Bromide	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 U [0.40 U]	0.40 U	0.40 U	0.40 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		IA-9 06B07699 02/26/06 Indoor Air	SS-1 06B07706 02/26/06 Sub-Slab	SS-2 06B07698 02/26/06 Sub-Slab	SS-3 06B07708 02/26/06 Sub-Slab	SS-4 06B07702 02/26/06 Sub-Slab	SS-5 06B07712 02/26/06 Sub-Slab	SS-6 06B07715 02/26/06 Sub-Slab
1,1,1-Trichloroethane	ug/m^3	0.70 U	33 U	260	67	54	120	6.3
1,1,2,2-Tetrachloroethane	ug/m^3	4.0	42 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	1.0 U	46 U	3.6	4.7	190	270	1.0 U
1,1,2-Trichloroethane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/m^3	0.50 U	25 U	8.4	0.50 U	0.50 U	1.7	6.2
1,1-Dichloroethene	ug/m^3	0.50 U	24 U	0.50 U	0.50 U	0.50 U	0.50 U	5.1
1,2,4-Trichlorobenzene	ug/m^3	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/m^3	12	99 U	6.9	25	24	21	20
1,2-Dibromoethane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/m^3	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/m^3	3.6	99 U	2.2	5.4	6.8	7.3	6.3
1,3-Butadiene	ug/m^3	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/m^3	0.80 U	36 U	0.80 U	0.80 U	0.80 U	1.1	2.5 U
1,4-Dichlorobenzene	ug/m^3	2.5 U	130 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dioxane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
2,2,4-Trimethylpentane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
2-Butanone	ug/m^3	4.4	18 U	25	23	52	120	22
2-Hexanone	ug/m^3	0.50 U	25 U	0.50 U	0.50 U	0.50 U	1.7 U	1.7 U
3-Chloropropene	ug/m^3	NA	NA	NA	NA	NA	NA	NA
4-Ethyltoluene	ug/m^3	3.9	99 U	2.0	5.4	6.6	7.4	6.3
4-Methyl-2-pentanone	ug/m^3	1.7 U	82 U	3.8	1.7 U	1.7 U	9.6	2.9
Acetone	ug/m^3	160	250	250	210	1,400	480	230
Benzene	ug/m^3	2.0	20 U	23	3.5	53	17	5.1
Benzyl Chloride	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/m^3	0.40 U	19 U	6.0	3.1	20	10	4.0
Carbon Tetrachloride	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/m^3	0.60 U	28 U	1.1	0.60 U	2.4	0.60 U	0.60 U
Chloroethane	ug/m^3	0.40 U	16 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	ug/m^3	0.60 U	30 U	7.0	0.60 U	9.8	2.9	12
Chloromethane	ug/m^3	1.0	15 U	0.60	0.30 U	0.30 U	0.30 U	0.30 U
cis-1,2-Dichloroethene	ug/m^3	0.50 U	24 U	0.50 U	0.50 U	0.50 U	0.50 U	2.8
cis-1,3-Dichloropropene	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/m^3	12	69 U	32	1.4 U	52	13	3.4
Dibromochloromethane	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	ug/m^3	2.1	30 U	2.4	190	2.7	2.5	500
Ethyl acetate	ug/m^3	0.50 U	22 U	1.0	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	ug/m^3	13	26 U	18	9.0	58	26	35
Heptane	ug/m^3	4.6	25 U	65	3.9	96	0.50 U	9.8
Hexachlorobutadiene	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Isopropanol	ug/m^3	100	15 U	43	95	74	110	11
Isopropyl alcohol	ug/m^3	NA	NA	NA	NA	NA	NA	NA
m&p-Xylene	ug/m^3	50	180 U	47	38	99	96	110
Methyl tert-butyl ether	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	ug/m^3	9.7	70 U	8.0	4.4	3.4	2.4	2.8
n-Hexane	ug/m^3	-	-	-	-	-	-	-
o-Xylene	ug/m^3	27	87 U	17	16	60	48	31
Propylene	ug/m^3	0.30 U	11 U	0.30 U	0.30 U	0.30 U	0.30 U	0.70 U
Styrene	ug/m^3	1.8 U	86 U	1.8 U	1.8 U	0.60 U	1.8 U	2.1
Tetrachloroethene	ug/m^3	24	21,000	76	34	660	26	280
Tetrahydrofuran	ug/m^3	1.2 U	59 U	6.4	1.2 U	1.2 U	1.2 U	1.2 U
Toluene	ug/m^3	53	76 U	70	25	1.6 U	1.6 U	47
trans-1,2-Dichloroethene	ug/m^3	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/m^3	1.9	680	560	7.0	2.5	4.7	32
Trichlorofluoromethane	ug/m^3	0.80 U	36 U	1.9	5.7	0.80 U	1.1	3.9
Vinyl Acetate	ug/m^3	0.50 U	22 U	0.50 U	1.7	0.50 U	0.50 U	1.5 U
Vinyl Bromide	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	ug/m^3	0.40 U	16 U	0.50	0.40 U	0.40 U	0.40 U	0.40 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		SS-7 06B07710 02/26/06 Sub-Slab	SS-8 06B07705 02/26/06 Sub-Slab	SS-9 06B07704 02/26/06 Sub-Slab	SS-10 06B07709 02/26/06 Sub-Slab	IA-1 06B10826 03/30/06 Indoor Air	IA-4 06B10827 03/30/06 Indoor Air	IA-2SD C0704036-001A 04/12/07 Indoor Air
1,1,1-Trichloroethane	ug/m^3	30	77	14	0.70 U	4.1 U	4.1 U	0.83 U
1,1,2,2-Tetrachloroethane	ug/m^3	0.90 U	0.90 U	0.90 U	0.90 U	5.2 U	5.2 U	1.1 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	88	240	11	1.3	5.8 U	5.8 U	1.2 U
1,1,2-Trichloroethane	ug/m^3	NA	NA	NA	NA	NA	NA	0.83 U
1,1-Dichloroethane	ug/m^3	5.1	3.8	3.8	0.50 U	3.1 U	3.1 U	0.62 U
1,1-Dichloroethene	ug/m^3	0.50 U	0.50 U	7.0	0.50 U	3.0 U	3.0 U	0.61 U
1,2,4-Trichlorobenzene	ug/m^3	NA	NA	NA	NA	NA	NA	1.1 U
1,2,4-Trimethylbenzene	ug/m^3	13	18	2.2	18	13	11	3.2
1,2-Dibromoethane	ug/m^3	NA	NA	NA	NA	NA	NA	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	NA	NA	NA	NA	NA	NA	1.1 U
1,2-Dichlorobenzene	ug/m^3	NA	NA	NA	NA	NA	NA	0.92 U
1,2-Dichloroethane	ug/m^3	NA	NA	NA	NA	NA	NA	0.62 U
1,2-Dichloropropane	ug/m^3	NA	NA	NA	NA	NA	NA	0.71 U
1,3,5-Trimethylbenzene	ug/m^3	4.0	4.5	2.0 U	5.3	3.7 U	3.7 U	1.5
1,3-Butadiene	ug/m^3	NA	NA	NA	NA	NA	NA	0.34 U
1,3-Dichlorobenzene	ug/m^3	1.5	0.80 U	0.80 U	0.80 U	4.5 U	4.5 U	0.92 U
1,4-Dichlorobenzene	ug/m^3	2.5 U	2.5 U	5.1	2.5 U	4.5 U	4.5 U	1.4
1,4-Dioxane	ug/m^3	NA	NA	NA	NA	NA	NA	1.1 U
2,2,4-Trimethylpentane	ug/m^3	NA	NA	NA	NA	NA	NA	0.71 U
2-Butanone	ug/m^3	17	45	6.1	4.6	2.2 U	6.2	140
2-Hexanone	ug/m^3	1.7 U	2.2	0.50 U	1.7 U	3.1 U	3.1 U	1.3 U
3-Chloropropene	ug/m^3	NA	NA	NA	NA	NA	NA	0.48 U
4-Ethyltoluene	ug/m^3	4.2	4.9	2.0 U	5.1	3.7 U	3.7 U	1.7
4-Methyl-2-pentanone	ug/m^3	0.50 U	1.7 U	1.7 U	0.50 U	3.1 U	3.1 U	1.3 U
Acetone	ug/m^3	500	610	320	74	18	69	68
Benzene	ug/m^3	31	48	9.9	2.1	2.4 U	2.6	0.55
Benzyl Chloride	ug/m^3	NA	NA	NA	NA	NA	NA	0.88 U
Bromodichloromethane	ug/m^3	NA	NA	NA	NA	NA	NA	1.0 U
Bromoform	ug/m^3	NA	NA	NA	NA	NA	NA	1.6 U
Bromomethane	ug/m^3	NA	NA	NA	NA	NA	NA	0.59 U
Carbon Disulfide	ug/m^3	25	6.4	1.3	1.4	2.4 U	2.4 U	0.41 J
Carbon Tetrachloride	ug/m^3	NA	NA	NA	NA	NA	NA	0.26 U
Chlorobenzene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	3.5 U	3.5 U	0.70 U
Chloroethane	ug/m^3	0.50	0.40 U	0.40 U	0.40 U	2.0 U	2.0 U	0.40 U
Chloroform	ug/m^3	1.5	0.60 U	0.60 U	1.8	3.7 U	3.7 U	0.74 U
Chloromethane	ug/m^3	0.80	0.30 U	1.0	0.30 U	1.9 U	1.9 U	0.32 U
cis-1,2-Dichloroethene	ug/m^3	4.8	0.50 U	0.50 U	0.50 U	3.0 U	3.0 U	0.60 U
cis-1,3-Dichloropropene	ug/m^3	NA	NA	NA	NA	NA	NA	0.69 U
Cyclohexane	ug/m^3	50	46	43	1.4 U	12	2.6 U	8.6
Dibromochloromethane	ug/m^3	NA	NA	NA	NA	NA	NA	1.3 U
Dichlorodifluoromethane	ug/m^3	2.3	2.0	2.5	2.3	3.7 U	3.7 U	2.1
Ethyl acetate	ug/m^3	0.50 U	0.50 U	0.50 U	0.50 U	2.7 U	2.7 U	0.92 U
Ethylbenzene	ug/m^3	14	22	2.2	13	6.1	6.3	0.49 J
Heptane	ug/m^3	0.50 U	58	15	12	5.5	3.1 U	5.0
Hexachlorobutadiene	ug/m^3	NA	NA	NA	NA	NA	NA	1.6 U
Isopropanol	ug/m^3	13	7.0	110	4.5	630	9,900	NA
Isopropyl alcohol	ug/m^3	NA	NA	NA	NA	NA	NA	480
m&p-Xylene	ug/m^3	50	68	6.4	52	26	28	1.2 J
Methyl tert-butyl ether	ug/m^3	NA	NA	NA	NA	NA	NA	0.55 U
Methylene Chloride	ug/m^3	11	2.2	9.8	2.7	20	27	260
n-Hexane	ug/m^3	-	-	-	-	-	-	-
o-Xylene	ug/m^3	22	26	3.0	23	10	10	0.49 J
Propylene	ug/m^3	0.30 U	0.30 U	0.30 U	0.30 U	1.3 U	1.3 U	0.26 U
Styrene	ug/m^3	1.8 U	1.8 U	1.8	1.8 U	3.2 U	3.2 U	1.9
Tetrachloroethene	ug/m^3	95	35	5.0	260	5.1 U	5.1 U	1.0 U
Tetrahydrofuran	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	2.2 U	2.2 U	0.45 U
Toluene	ug/m^3	68	160	32	40	32	33	5.2
trans-1,2-Dichloroethene	ug/m^3	NA	NA	NA	NA	NA	NA	0.60 U
trans-1,3-Dichloropropene	ug/m^3	NA	NA	NA	NA	NA	NA	0.69 U
Trichloroethene	ug/m^3	30	3.4	21	70	41	6.7	0.98
Trichlorofluoromethane	ug/m^3	1.5	0.80 U	0.80 U	1.2	4.5 U	4.5 U	0.97
Vinyl Acetate	ug/m^3	0.50 U	8.7	0.50 U	0.50 U	2.7 U	2.7 U	0.54 U
Vinyl Bromide	ug/m^3	NA	NA	NA	NA	NA	NA	0.67 U
Vinyl Chloride	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 U	1.9 U	1.9 U	0.39 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

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Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: / Lab Sample ID: / Date Collected: / Sample Type / Field Notes:		IA-3SD C0704036-002A 04/12/07 Indoor Air	IA-4SD C0704036-003A 04/12/07 Indoor Air	IA-6SD C0704036-004A 04/12/07 Indoor Air	IA-8SD C0704036-005A 04/12/07 Indoor Air	SS-1SD C0704029-001A 04/12/07 Sub-Slab	SS-2SD C0704029-002A 04/12/07 Sub-Slab	SS-3SD C0704029-003A 04/12/07 Sub-Slab
1,1,1-Trichloroethane	ug/m3	0.83 U	0.83 U	0.83 U	0.83 U	3.8	38	0.72 J
1,1,2,2-Tetrachloroethane	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m3	1.2 U	1.2 U	1.2 U	0.86 J	5.1	85	7.6
1,1,2-Trichloroethane	ug/m3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m3	0.61 U	0.61 U	0.61 U	0.61 U	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	ug/m3	2.5	2.4	1.2	4.7	7.0	8.0	3.1
1,2-Dibromoethane	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	ug/m3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m3	0.71 U	0.71 U	0.71 U	0.71 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m3	1.4	1.0	0.75 U	1.7	2.2	2.3	1.0
1,3-Butadiene	ug/m3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	ug/m3	0.86 J	1.5	0.92 U	12	2.4	2.3	2.3
1,4-Dioxane	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	ug/m3	0.71 U	0.71 U	0.71 U	0.71 U	1.0	0.71 U	0.71 U
2-Butanone	ug/m3	270	260	6.9	150	0.90 U	0.90 U	100
2-Hexanone	ug/m3	1.3 U	1.3 U	1.3 U	1.3 U	1.2 U	1.2 U	1.2 U
3-Chloropropene	ug/m3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m3	1.3	1.2	0.75 U	2.7	2.5	2.3	1.1
4-Methyl-2-pentanone	ug/m3	1.3 U	1.3 U	1.3 U	1.3 U	1.2 U	1.2 U	1.2 U
Acetone	ug/m3	76	90	21	92	57	33	64
Benzene	ug/m3	0.49	0.49	0.78	0.46 J	7.8	3.9	4.9
Benzyl Chloride	ug/m3	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	ug/m3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/m3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m3	0.48 U	0.48 U	0.44 J	0.48 U	18	2.3	2.4
Carbon Tetrachloride	ug/m3	0.26 U	0.26 U	0.26 U	0.26 U	0.96 U	0.96 U	0.96 U
Chlorobenzene	ug/m3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	ug/m3	0.74 U	0.74 U	0.74 U	0.74 U	7.7	7.2	0.74 U
Chloromethane	ug/m3	0.32 U	0.32 U	0.32 U	0.32 U	0.42	0.84	0.31 U
cis-1,2-Dichloroethene	ug/m3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
cis-1,3-Dichloropropene	ug/m3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m3	3.5	2.5	46	5.7	29	8.0	47
Dibromochloromethane	ug/m3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m3	2.2	2.2	2.3	2.2	0.75 U	0.75 U	0.75 U
Ethyl acetate	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	5.6
Ethylbenzene	ug/m3	0.44 J	0.66 U	0.57 J	0.49 J	2.6	2.4	0.71
Heptane	ug/m3	2.4	3.6	0.67	10	27	7.2	11
Hexachlorobutadiene	ug/m3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Isopropanol	ug/m3	NA	NA	NA	NA	NA	NA	NA
Isopropyl alcohol	ug/m3	500	500	20	1,300	150	44	250
m&p-Xylene	ug/m3	0.93 J	0.88 J	1.2 J	1.2 J	8.5	8.4	2.4
Methyl tert-butyl ether	ug/m3	0.55 U	0.55 U	0.55 U	0.55 U	0.55	0.55 U	0.55 U
Methylene Chloride	ug/m3	240	200	7.5	5,000	90	37	210
n-Hexane	ug/m3	-	-	-	-	-	-	-
o-Xylene	ug/m3	0.66 U	0.66 U	0.49 J	0.44 J	2.7	2.8	0.84
Propylene	ug/m3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	ug/m3	0.91	0.65	9.3	1.3	0.69	2.0	0.65
Tetrachloroethene	ug/m3	1.0 U	1.0	1.0 U	1.0 U	1.8	9.5	1.0 U
Tetrahydrofuran	ug/m3	0.45 U	0.45 U	0.45 U	0.45 U	2.0	0.90	1.1
Toluene	ug/m3	6.3	4.0	8.4	6.2	11	15	6.6
trans-1,2-Dichloroethene	ug/m3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
trans-1,3-Dichloropropene	ug/m3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m3	0.60	1.3	0.66	0.71	0.76 J	110	0.76 J
Trichlorofluoromethane	ug/m3	0.80 J	0.80 J	0.80 J	1.3	1.3	2.3	0.97
Vinyl Acetate	ug/m3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	ug/m3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m3	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U

Notes:
$\mu g/m^3$ = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

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Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		SS-4SD C0704029-004A 04/12/07 Sub-Slab	SS-5SD C0704029-005A 04/12/07 Sub-Slab	SS-7SD C0704029-006A 04/12/07 Sub-Slab	SS-8SD C0704029-007A 04/12/07 Sub-Slab	SS-1 C0710003-003A 10/02/07 Sub-Slab	SS-1 C0710003-001A 10/02/07 Sub-Slab	SS-2 C0710003-004A 10/02/07 Sub-Slab
1,1,1-Trichloroethane	ug/m^3	11	0.78 J	0.83 U	1.2	0.83 U	0.83 U	370
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	450	9.5	2.2	1.2 U	2.6	13	36
1,1,2-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	3.1	0.60 U
1,2,4-Trichlorobenzene	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	ug/m^3	6.6	6.5 J	3.4	3.0	22	25	49
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m^3	2.0	4.2	1.2	1.0	7.1	12	34
1,3-Butadiene	ug/m^3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	ug/m^3	2.5	3.9	1.3	9.7	2.6	1.6	1.0
1,4-Dioxane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	ug/m^3	0.71 U	4.3	0.71 U	0.71 U	2.5	0.71 U	2.2
2-Butanone	ug/m^3	46	110	41	25	6.7	17	0.90 U
2-Hexanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
3-Chloropropene	ug/m^3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m^3	1.8	4.4	1.4	1.1	5.9	9.3	12
4-Methyl-2-pentanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Acetone	ug/m^3	43	270	390	24	0.72 U	95	76
Benzene	ug/m^3	1.2	24	28	2.0	17	60	7.8 J
Benzyl Chloride	ug/m^3	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m^3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.63	0.59 U
Carbon Disulfide	ug/m^3	0.85	9.8	5.6	1.8	23	48	34
Carbon Tetrachloride	ug/m^3	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Chlorobenzene	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	ug/m^3	25	5.1	0.65 J	3.2	0.99	3.2	1.6
Chloromethane	ug/m^3	0.80	0.65	0.31	0.55	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m^3	2.3	66	64	5.0	100	460	14
Dibromochloromethane	ug/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m^3	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	2.3	9.5
Ethyl acetate	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene	ug/m^3	1.5	6.2 J	2.6	0.88	24	44	19
Heptane	ug/m^3	3.6	170	40	7.0	220	820	22
Hexachlorobutadiene	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Isopropanol	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Isopropyl alcohol	ug/m^3	190	170	87	800	150	760	84
m&p-Xylene	ug/m^3	5.4	20	7.5	3.3	50	140	45
Methyl tert-butyl ether	ug/m^3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	ug/m^3	93	170	42	4,600	70 J	56	29
n-Hexane	ug/m^3	-	-	-	-	-	-	-
o-Xylene	ug/m^3	1.9	6.2 J	2.3	1.1	14	33	9.7 J
Propylene	ug/m^3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	ug/m^3	0.65	0.65 U	0.65 U	0.52 J	9.5 J	7.8	8.1
Tetrachloroethene	ug/m^3	40	0.97 J	8.4	5.4	120	630	3.8
Tetrahydrofuran	ug/m^3	5.5	1.7	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Toluene	ug/m^3	7.2	58	49	5.9	77,000	100	43,000
trans-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
trans-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m^3	45	1.6	0.82 U	36	3.9	8.7	6.3
Trichlorofluoromethane	ug/m^3	1.5	1.3	0.86 U	0.97	2.3	3.5	2.0
Vinyl Acetate	ug/m^3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	ug/m^3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m^3	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		SS-2 C0710003-002A 10/02/07 Sub-Slab	IA-1 C0711025-006A 11/15/07 Indoor Air	IA-10 C0711025-002A 11/15/07 Indoor Air	IA-10SD C0711025-032A 11/15/07 Indoor Air	IA-11SD C0711025-031A 11/15/07 Indoor Air	IA-12SD C0711025-014A 11/15/07 Indoor Air	IA-13SD C0711025-016A 11/15/07 Indoor Air
1,1,1-Trichloroethane	ug/m^3	650	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	61	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.86 J
1,1,2-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	ug/m^3	29	9.4	8.2	6.9	9.8	1.8	3.2
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.78
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m^3	24	4.2	3.5	2.8	3.6	0.75 U	1.9
1,3-Butadiene	ug/m^3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	ug/m^3	0.92 U	11	13	3.5	6.7	0.73 J	2.4
1,4-Dioxane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	ug/m^3	2.0	0.47 J	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
2-Butanone	ug/m^3	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
2-Hexanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
3-Chloropropene	ug/m^3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m^3	23	1.3	0.90	1.3	1.7	0.75 U	0.55 J
4-Methyl-2-pentanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Acetone	ug/m^3	88	2,300	650	200	370	12	26
Benzene	ug/m^3	22	0.52	0.49 U	0.42 J	0.91	1.1	0.94
Benzyl Chloride	ug/m^3	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m^3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m^3	21	0.47 U	0.47 U	0.47 U	0.60	0.47 U	0.47 U
Carbon Tetrachloride	ug/m^3	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Chlorobenzene	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	ug/m^3	3.2	0.50 J	0.69 J	0.60 J	0.55 J	0.74 U	0.74
Chloromethane	ug/m^3	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	5.1
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m^3	68	30	19	4.3	3.4	0.91	0.52 U
Dibromochloromethane	ug/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m^3	15	2.3	2.2	3.0	3.4	2.7	3.1
Ethyl acetate	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene	ug/m^3	43	3.5	5.8	0.79	0.84	0.66 U	1.3
Heptane	ug/m^3	130	17	32	0.62 U	0.62 U	0.79	0.92
Hexachlorobutadiene	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Isopropanol	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Isopropyl alcohol	ug/m^3	63	3,300	900	2,300	480	120	0.37 U
m&p-Xylene	ug/m^3	150	4.7	14 J	1.2 J	2.0	0.84 J	3.0
Methyl tert-butyl ether	ug/m^3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	ug/m^3	17	480	400	120	76	4.2	22
n-Hexane	ug/m^3	-	-	-	-	-	-	-
o-Xylene	ug/m^3	32	2.3	4.8	0.62 J	0.66	0.66 U	0.97
Propylene	ug/m^3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	ug/m^3	5.9	19	9.1	3.6	3.0	0.65 U	0.65 U
Tetrachloroethene	ug/m^3	3.3	2.3	2.3	1.0 U	1.0 U	1.0 U	1.5
Tetrahydrofuran	ug/m^3	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Toluene	ug/m^3	70	18	6.1	2.5	5.6	1.4	4.3
trans-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
trans-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m^3	10	1.5	2.6	0.98	1.1	0.82	12
Trichlorofluoromethane	ug/m^3	2.3	2.4	1.7	1.6	1.5	2.0	2.0
Vinyl Acetate	ug/m^3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	ug/m^3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m^3	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

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Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		IA-14SD C0711025-018A 11/15/07 Indoor Air	IA-2 C0711025-008A 11/15/07 Indoor Air	IA-2SD C0711025-024A 11/15/07 Indoor Air	IA-3 C0711025-010A 11/15/07 Indoor Air	IA-4 C0711025-023A 11/15/07 Indoor Air	IA-4SD C0711025-034A 11/15/07 Indoor Air	IA-5 C0711025-020A 11/15/07 Indoor Air
1,1,1-Trichloroethane	ug/m3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	ug/m3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,1,2-Trichloroethane	ug/m3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	ug/m3	27	12	10	3.3	9.2	11	6.7
1,2-Dibromoethane	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	ug/m3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m3	14	5.1	5.2	0.55 J	4.7	5.1	3.0
1,3-Butadiene	ug/m3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	ug/m3	0.86 J	11	4.6	1.0	17 J	5.9	11
1,4-Dioxane	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	ug/m3	7.6	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
2-Butanone	ug/m3	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
2-Hexanone	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
3-Chloropropene	ug/m3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m3	11	1.7	1.4	0.75 U	1.8	1.9	1.2
4-Methyl-2-pentanone	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Acetone	ug/m3	0.72 U	59 E	37	0.72 U	92	210	100
Benzene	ug/m3	32	0.91	0.49	0.52	0.42 J	0.42 J	0.55
Benzyl Chloride	ug/m3	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	ug/m3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/m3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m3	0.47 U	0.51	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Carbon Tetrachloride	ug/m3	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Chlorobenzene	ug/m3	0.70 U	0.61 J	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	ug/m3	0.74 U	0.74 U	0.74 U	0.74 U	0.65 J	0.55 J	0.74 U
Chloromethane	ug/m3	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	ug/m3	0.60 U	0.60 U	0.60 U	0.60 U	0.44 J	0.60 U	0.60 U
cis-1,3-Dichloropropene	ug/m3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m3	12	24	19	1.0	18	1.9	31
Dibromochloromethane	ug/m3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m3	2.4	2.9	3.7	7.1	2.2	3.0	3.5
Ethyl acetate	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene	ug/m3	19	12 J	1.4	0.66 U	1.1	0.62 J	2.5
Heptane	ug/m3	9.2 J	9.2 J	0.62 U	1.1	0.62 U	0.62 U	1.1
Hexachlorobutadiene	ug/m3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Isopropanol	ug/m3	NA	NA	NA	NA	NA	NA	NA
Isopropyl alcohol	ug/m3	0.37 U	1,000	2,300	3,200	1,900	2,100	1,000
m&p-Xylene	ug/m3	67	6.9	2.9	0.93 J	2.5	1.4	6.0
Methyl tert-butyl ether	ug/m3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	ug/m3	2.6	220	520	5.8	2,700	500	830
n-Hexane	ug/m3	-	-	-	-	-	-	-
o-Xylene	ug/m3	18	3.2	1.5	0.66 U	1.1	0.75	2.7
Propylene	ug/m3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	ug/m3	0.65 U	29	8.7	0.74	9.0	2.0	13
Tetrachloroethene	ug/m3	1.0 U	3.6	1.0 U	1.0 U	1.0 U	1.0 U	0.69 J
Tetrahydrofuran	ug/m3	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Toluene	ug/m3	130	21	3.9	1.8	12	3.2	7.9
trans-1,2-Dichloroethene	ug/m3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
trans-1,3-Dichloropropene	ug/m3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m3	0.22 U	1.5	1.6	0.66	1.1	0.82	1.3
Trichlorofluoromethane	ug/m3	33	2.2	1.9	5.1	1.5	1.6	1.8
Vinyl Acetate	ug/m3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	ug/m3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m3	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U

Notes:
µg/m3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

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Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		IA-6 C0711025-011A 11/15/07 Indoor Air	IA-7 C0711025-004A 11/15/07 Indoor Air	IA-8 C0711025-038A 11/15/07 Indoor Air	IA-8SD C0711025-037A 11/15/07 Indoor Air	IA-9 C0711025-026A 11/15/07 Indoor Air	IA-9SD C0711025-028A 11/15/07 Indoor Air	SS-1 C0711025-005A 11/15/07 Sub-Slab
1,1,1-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.78 J	0.83 U	0.83 U	2.7
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.3	1.2 U	1.2 U	16
1,1,2-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	7.6
1,2,4-Trichlorobenzene	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	ug/m^3	2.7	8.9	10	14	8.3	6.6	8.0
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m^3	0.75 U	2.9	4.9	5.7	4.2	4.0	7.7
1,3-Butadiene	ug/m^3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	110
1,4-Dichlorobenzene	ug/m^3	1.3	17	11	54	13	4.3	28
1,4-Dioxane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	ug/m^3	0.71 U	0.71 U	0.71 U	0.71 U	0.57 J	0.71 U	2.2
2-Butanone	ug/m^3	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	45
2-Hexanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
3-Chloropropene	ug/m^3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m^3	0.75 U	1.3	2.0	2.6	1.3	1.0	2.7
4-Methyl-2-pentanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Acetone	ug/m^3	0.72 U	2,600	19	620	49	80	420
Benzene	ug/m^3	0.49	0.68	0.52	0.58	0.62	0.42 J	25
Benzyl Chloride	ug/m^3	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m^3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m^3	0.47 U	0.47 U	0.47 U	0.44 J	0.47 U	0.47 U	54
Carbon Tetrachloride	ug/m^3	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Chlorobenzene	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	ug/m^3	0.74 U	0.65 J	0.60 J	0.84	0.74 U	0.74 U	6.6
Chloromethane	ug/m^3	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	ug/m^3	0.60 U	0.64	0.60 U	0.60 U	0.60 U	0.60 U	2.7
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m^3	7.2	16	14	1.0	55	23	90
Dibromochloromethane	ug/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m^3	5.0	2.2	3.1	2.8	3.5	3.3	3.5
Ethyl acetate	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene	ug/m^3	0.71	1.1	0.93	0.79	2.2	1.1	7.1
Heptane	ug/m^3	0.79	32	0.62 U	1.0	1.0	0.79	64
Hexachlorobutadiene	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Isopropanol	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Isopropyl alcohol	ug/m^3	2,800	1,200	10,000	1,700	1,100	2,800	0.37 U
m&p-Xylene	ug/m^3	1.4	2.3	2.2	2.2	5.3	1.8	18
Methyl tert-butyl ether	ug/m^3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	ug/m^3	29	380	1,800	160	930	91	210
n-Hexane	ug/m^3	-	-	-	-	-	-	-
o-Xylene	ug/m^3	0.57 J	0.79	1.5	0.75	2.5	1.3	7.7
Propylene	ug/m^3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	ug/m^3	3.6	2.8	8.5	1.4	16	12 J	7.4
Tetrachloroethene	ug/m^3	1.0 U	1.2	0.97 J	1.0 U	0.76 J	1.0 U	210
Tetrahydrofuran	ug/m^3	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Toluene	ug/m^3	4.5	3.1	4.1	4.3	6.3	3.8	140
trans-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
trans-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m^3	0.66	2.3	0.76	1.0	1.3	9.0	17
Trichlorofluoromethane	ug/m^3	3.5	1.5	1.6	1.9	1.8	1.8	4.0
Vinyl Acetate	ug/m^3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	ug/m^3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m^3	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U

Notes:
µg/m^3 = Micrograms per cubic meter.
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J = Analyte detected at or below quantitation limits.
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ARCADIS

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		SS-2 C0711025-007A 11/15/07 Sub-Slab	SS-2SD C0711025-025A 11/15/07 Sub-Slab	SS-3 C0711025-009A 11/15/07 Sub-Slab	SS-4 C0711025-022A 11/15/07 Sub-Slab	SS-4SD C0711025-035A 11/15/07 Sub-Slab	SS-5 C0711025-021A 11/15/07 Sub-Slab	SS-6 C0711025-019A 11/15/07 Sub-Slab
1,1,1-Trichloroethane	ug/m^3	560	54	310	4.7	2.7	18	1.8
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	82	8.3	9.0	52	41	7.2	1.0 J
1,1,2-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m^3	0.60 U	4.6	0.60 U	0.60 U	0.60 U	0.60 U	3.1
1,2,4-Trichlorobenzene	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	ug/m^3	10	8.2	9.2	10	8.0	7.0 J	8.0
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m^3	11	8.0	9.0	6.7	6.6	6.5 J	9.9
1,3-Butadiene	ug/m^3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m^3	64	89	110	66	84	67	74
1,4-Dichlorobenzene	ug/m^3	43	24	38	30	26	20	26
1,4-Dioxane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	ug/m^3	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.81	0.71 U
2-Butanone	ug/m^3	46	39	41	0.90 U	34	62	34
2-Hexanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
3-Chloropropene	ug/m^3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m^3	3.7	1.9	2.0	2.3	1.9	4.1	2.8
4-Methyl-2-pentanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Acetone	ug/m^3	85	110	39	490	210	210	130
Benzene	ug/m^3	3.3	4.9	1.9	21	3.3	6.3	3.6
Benzyl Chloride	ug/m^3	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m^3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m^3	16	6.0	2.0	26	5.2	9.5	13
Carbon Tetrachloride	ug/m^3	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.83 J	0.96 U
Chlorobenzene	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	ug/m^3	1.3	2.7	0.69 J	3.3	10	7.5	12
Chloromethane	ug/m^3	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	ug/m^3	0.60 U	1.8	0.60 U	0.60 U	0.60 U	0.60 U	11
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m^3	0.52 U	0.52 U	0.52 U	170	0.52 U	0.52 U	7.5
Dibromochloromethane	ug/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m^3	0.75 U	3.5	3,900	3.4	3.3	3.3	180
Ethyl acetate	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene	ug/m^3	39	7.4	6.4	8.7	7.4	9.0	8.3
Heptane	ug/m^3	0.62 U	9.6	5.0	42 U	18	21	10
Hexachlorobutadiene	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Isopropanol	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Isopropyl alcohol	ug/m^3	130	120	55	0.37 U	110	46	87
m&p-Xylene	ug/m^3	97	13	18	15	14	14	15
Methyl tert-butyl ether	ug/m^3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	ug/m^3	50	72	6.6	370	330	120	16
n-Hexane	ug/m^3	-	-	-	-	-	-	-
o-Xylene	ug/m^3	54	6.6	6.2	8.6	6.4	7.7	7.3
Propylene	ug/m^3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	ug/m^3	16	5.6 J	6.5	6.1 J	5.6 J	5.6 J	11
Tetrachloroethene	ug/m^3	29	3.7	200	4.1	4.1	12	65
Tetrahydrofuran	ug/m^3	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Toluene	ug/m^3	93	130	120	150	110	130	95
trans-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
trans-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m^3	11	210	150	7.4	6.3	9.0	32
Trichlorofluoromethane	ug/m^3	2.8	1.7	19	1.8	1.8	1.8	4.6
Vinyl Acetate	ug/m^3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	ug/m^3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m^3	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		SS-7 C0711025-003A 11/15/07 Sub-Slab	SS-8 C0711025-039A 11/15/07 Sub-Slab	SS-8SD C0711025-036A 11/15/07 Sub-Slab	SS-9 C0711025-027A 11/15/07 Sub-Slab	SS-S10 C0711025-001A 11/15/07 Sub-Slab	VP-10SD C0711025-033A 11/15/07 Sub-Slab	VP-11SD C0711025-030A 11/15/07 Sub-Slab
1,1,1-Trichloroethane	ug/m^3	2.3	21	27	24	0.83 U	0.83 U	19
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	4.4	23	8.6	18	1.8	130	4.9
1,1,2-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m^3	0.62 U	4.4	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	ug/m^3	10	6.0 J	8.4	7.3	8.4	8.6	5.8
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m^3	9.6	6.5 J	8.8	9.0	6.9	5.7	6.1
1,3-Butadiene	ug/m^3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m^3	95	110	100	97	100	76	59
1,4-Dichlorobenzene	ug/m^3	35	34	24	23	34	27	14
1,4-Dioxane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	ug/m^3	0.47 J	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
2-Butanone	ug/m^3	54	51	36	110	43	47	42
2-Hexanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
3-Chloropropene	ug/m^3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m^3	2.4	3.6	2.2	2.0	2.2	1.9	1.3
4-Methyl-2-pentanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Acetone	ug/m^3	110	0.72 U	0.72 U	1,100	180	290	92
Benzene	ug/m^3	2.1	0.49 U	3.1	20	1.4	3.4	1.7
Benzyl Chloride	ug/m^3	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	0.95 J	1.0 U	1.0 U
Bromoform	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m^3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m^3	4.3	6.3	6.0	20	2.8	19	2.2
Carbon Tetrachloride	ug/m^3	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Chlorobenzene	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U	1.1	0.40 U	0.40 U	0.40 U
Chloroform	ug/m^3	39	12	38	4.4	49	0.84	5.0
Chloromethane	ug/m^3	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	8.2	0.60 U	1.2
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m^3	5.5	0.52 U	0.52 U	85	0.52 U	0.52 U	2.6
Dibromochloromethane	ug/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m^3	3.0	0.75 U	0.75 U	3.6	2.8	1.4	3.2
Ethyl acetate	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene	ug/m^3	8.4	9.1	7.6	7.1	7.8	6.0	5.3
Heptane	ug/m^3	11	7.9	0.62 U	40	8.8	0.62 U	6.5
Hexachlorobutadiene	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Isopropanol	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Isopropyl alcohol	ug/m^3	110	0.37 U	0.37 U	0.37 U	0.37 U	660	0.37 U
m&p-Xylene	ug/m^3	19	16	15	17	18	19	17
Methyl tert-butyl ether	ug/m^3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	ug/m^3	43	68	30	190	19	160	37
n-Hexane	ug/m^3	-	-	-	-	-	-	-
o-Xylene	ug/m^3	7.7	8.9	7.1	7.4	7.2	5.1	4.3
Propylene	ug/m^3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	ug/m^3	7.8	6.1 J	5.6 J	6.9	7.4	9.6	7.2
Tetrachloroethene	ug/m^3	48	7.9	17	2.9	190	2.3	7.4
Tetrahydrofuran	ug/m^3	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Toluene	ug/m^3	140	110	100	180	110	77	74
trans-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
trans-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m^3	12	11	310	7.9	21	6.3	14
Trichlorofluoromethane	ug/m^3	1.7	1.8	0.86 U	2.1	1.7	3.1	1.7
Vinyl Acetate	ug/m^3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	ug/m^3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m^3	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

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Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		VP-12SD C0711025-012A 11/15/07 Sub-Slab	VP-14SD C0711025-017A 11/15/07 Sub-Slab	VP-9SD C0711025-029A 11/15/07 Sub-Slab	VMP-1A C0908051-022A 08/26/09 Sub-Slab	VMP-1A AA C0908051-013A 08/26/09 Indoor Air Paint like odor	VMP-1B C0908051-009A 08/26/09 Sub-Slab	VMP-1B AA C0908051-025A 08/26/09 Indoor Air High traffic area
1,1,1-Trichloroethane	ug/m^3	1.8 [0.67 J]	3.9	6.3	0.83 U [0.83 U]	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 U [1.0 U]	1.0 U	1.0 U	1.0 UJ [1.0 UJ]	1.0 UJ	1.0 UJ	1.0 UJ
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	2.2 [1.2]	8.5	230	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U
1,1,2-Trichloroethane	ug/m^3	0.83 U [0.83 U]	0.83 U	0.83 U	0.83 U [0.83 U]	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m^3	0.62 U [0.62 U]	0.62 U	0.62 U	0.62 U [0.62 U]	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m^3	0.60 U [0.60 U]	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m^3	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 UJ [1.1 UJ]	1.1 UJ	1.1 UJ	1.1 UJ
1,2,4-Trimethylbenzene	ug/m^3	6.5 [2.0]	10	8.8	15 DJ [7.4 J]	15 DJ	21 J	6.0 DJ
1,2-Dibromoethane	ug/m^3	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m^3	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 UJ [0.92 UJ]	0.92 UJ	0.92 UJ	0.92 UJ
1,2-Dichloroethane	ug/m^3	0.62 U [0.62 U]	0.62 U	0.62 U	0.62 U [0.62 U]	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m^3	0.70 U [0.70 U]	0.70 U	0.70 U	0.70 U [0.70 U]	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m^3	7.0 [2.1]	8.7	7.5	13 J [2.5 J]	6.0 DJ	4.6 J	3.7 J
1,3-Butadiene	ug/m^3	0.34 U [0.34 U]	0.34 U	0.34 U	0.34 U [0.34 U]	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m^3	79 [12]	110	94	0.92 UJ [0.92 UJ]	0.92 UJ	0.92 UJ	0.92 UJ
1,4-Dichlorobenzene	ug/m^3	27 [8.8]	26	23	2.3 J [1.1 J]	3.3 J	4.6 J	4.2 J
1,4-Dioxane	ug/m^3	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 UJ [1.1 UJ]	1.1 UJ	1.1 UJ	1.1 UJ
2,2,4-Trimethylpentane	ug/m^3	0.71 U [0.71 U]	3.2	0.71 U	0.71 U [0.52 J]	1.0	0.90 J	1.0
2-Butanone	ug/m^3	24 [5.1]	36	44	3.3 [3.8]	3.3	3.4 J	3.3
2-Hexanone	ug/m^3	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 UJ [1.2 UJ]	1.2 U	1.2 UJ	1.2 UJ
3-Chloropropene	ug/m^3	0.48 U [0.48 U]	0.48 U	0.48 U	0.48 U [0.48 U]	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m^3	1.6 [0.75 U]	5.3	2.1	23 J [6.8 J]	7.0 DJ	8.4 J	7.9 J
4-Methyl-2-pentanone	ug/m^3	1.2 U [1.2 U]	1.2 U	1.2 U	0.79 J [1.7 J]	1.0 J	1.2 U	0.58 J
Acetone	ug/m^3	47 [25]	32	34	60 D [69 D]	48 D	71 D	54 D
Benzene	ug/m^3	10 [3.3]	10	2.9	0.75 [1.0]	9.1 DJ	0.91 J	0.88
Benzyl Chloride	ug/m^3	0.88 U [0.88 U]	0.88 U	0.88 U	0.88 UJ [0.88 U]	0.88 UJ	0.88 UJ	0.88 UJ
Bromodichloromethane	ug/m^3	1.0 U [1.0 U]	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	1.0 U
Bromoform	ug/m^3	1.6 U [1.6 U]	1.6 U	1.6 U	1.6 U [1.6 U]	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m^3	0.59 U [0.59 U]	0.59 U	0.59 U	0.59 U [0.59 U]	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m^3	19 [3.5]	3.3	5.9	0.57 [1.3]	0.47	1.0 J	0.73
Carbon Tetrachloride	ug/m^3	0.96 U [0.96 U]	0.96 U	0.96 U	0.96 U [0.96 U]	0.45	0.96 U	0.38
Chlorobenzene	ug/m^3	0.70 U [0.70 U]	0.70 U	0.70 U	0.70 U [0.70 U]	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m^3	0.40 U [0.40 U]	0.40 U	0.40 U	0.40 U [0.40 U]	0.40 U	0.40 U	0.40 U
Chloroform	ug/m^3	1.0 [0.50 J]	0.74	1.7	1.0 [1.1]	1.1	1.0 J	0.89
Chloromethane	ug/m^3	0.31 U [0.31 U]	0.31 U	0.31 U	1.4 [1.0]	1.0	1.2 J	1.2
cis-1,2-Dichloroethene	ug/m^3	0.60 U [0.60 U]	0.56 J	1.2	0.60 U [1.1]	0.60 U	1.8 J	0.60 U
cis-1,3-Dichloropropene	ug/m^3	0.69 U [0.69 U]	0.69 U	0.69 U	0.69 U [0.69 U]	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m^3	18 [5.9]	6.3	7.8	0.52 UJ [13 DJ]	16 D	34 D	42 D
Dibromochloromethane	ug/m^3	1.3 U [1.3 U]	1.3 U	1.3 U	1.3 U [1.3 U]	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m^3	2.4 [3.2]	2.4	4.3	2.7 [2.7]	2.7	2.7 J	2.7
Ethyl acetate	ug/m^3	0.92 U [0.92 U]	0.92 U	0.92 U	1.6 [1.8]	1.9	2.6 J	3.0
Ethylbenzene	ug/m^3	6.3 [1.6]	8.8	7.9	2.6 J [2.8 J]	2.9 J	1.8 J	1.9 J
Heptane	ug/m^3	24 [5.1]	9.2	10	17 D [13 D]	11 D	21 J	12 D
Hexachlorobutadiene	ug/m^3	1.6 U [1.6 U]	1.6 U	1.6 U	1.6 UJ [1.6 UJ]	1.6 UJ	1.6 UJ	1.6 UJ
Isopropanol	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Isopropyl alcohol	ug/m^3	0.37 U [0.37 U]	0.37 U	24	1,600 D [2,000 D]	1,200 D	2,100 D	2,200 D
m&p-Xylene	ug/m^3	19 J [4.4]	24	14	8.1 J [5.4 J]	8.7 J	3.6 J	3.3 J
Methyl tert-butyl ether	ug/m^3	0.55 U [0.55 U]	0.55 U	0.55 U	0.55 U [0.55 U]	0.55 UJ	0.55 U	0.55 U
Methylene Chloride	ug/m^3	29 [3.5]	11	20	330 D [390 D]	300 DJ	510 D	500 D
n-Hexane	ug/m^3	-	-	-	-	-	-	-
o-Xylene	ug/m^3	5.9 [1.2]	6.6	6.9	2.5 J [2.3 J]	2.6	1.8 J	1.5 J
Propylene	ug/m^3	0.26 U [0.26 U]	0.26 U	0.26 U	0.26 U [0.26 U]	0.26 U	0.26 U	0.26 U
Styrene	ug/m^3	8.5 [1.1]	5.6 J	5.2 J	2.9 J [2.7 J]	3.3 J	8.3 J	9.2 J
Tetrachloroethene	ug/m^3	2.7 [1.0]	3.2	4.9	1.1 J [1.3 J]	0.83 J	1.7 J	0.69 J
Tetrahydrofuran	ug/m^3	0.45 U [0.45 U]	0.45 U	0.45 U	1.8 [2.3]	0.45 U	0.45 U	0.45 U
Toluene	ug/m^3	110 [20]	200	110	7.1 J [6.8 J]	8.4 J	16 DJ	13 DJ
trans-1,2-Dichloroethene	ug/m^3	0.60 U [0.60 U]	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U	0.60 U
trans-1,3-Dichloropropene	ug/m^3	0.69 U [0.69 U]	0.69 U	0.69 U	0.69 U [0.69 U]	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m^3	3.3 [2.0]	4.0	8.1	2.1 J [7.9 J]	1.9	8.6 J	1.9
Trichlorofluoromethane	ug/m^3	2.3 [2.5]	18	2.1	3.9 [4.1]	4.0	2.8 J	2.6
Vinyl Acetate	ug/m^3	0.54 U [0.54 U]	0.54 U	0.54 U	0.54 UJ [0.54 UJ]	0.54 UJ	0.54 UJ	0.54 UJ
Vinyl Bromide	ug/m^3	0.67 U [0.67 U]	0.67 U	0.67 U	0.67 U [0.67 U]	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m^3	0.39 U [0.39 U]	0.39 U	0.39 U	0.39 U [0.39 U]	0.10 U	0.39 U	0.10 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

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Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		VMP-1C C0908051-020A 08/26/09 Sub-Slab	VMP-1C AA C0908051-021A 08/26/09 Indoor Air Near machine	VMP-2A C0908051-019A 08/26/09 Sub-Slab	VMP-2A AA C0908051-001A 08/26/09 Indoor Air	VMP-2B C0908051-010A 08/26/09 Sub-Slab	VMP-2B AA C0908051-018A 08/26/09 Indoor Air Odor of burning / electronics
1,1,1-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 UJ	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	1.2 U	0.86 J	0.86 J	1.2 UJ	1.2 U	1.2 U
1,1,2-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 UJ	0.83 U	0.83 U
1,1-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 UJ	0.62 U	0.62 U
1,1-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 UJ	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m^3	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	3.9 J	1.1 UJ
1,2,4-Trimethylbenzene	ug/m^3	22 J	19 J	21 J	17 DJ	19 J	6.5 DJ
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m^3	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 UJ	0.62 U	0.62 U
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 UJ	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m^3	4.5 J	3.7 J	4.5 J	6.1 J	4.2 J	4.0 J
1,3-Butadiene	ug/m^3	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m^3	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ
1,4-Dichlorobenzene	ug/m^3	4.0 J	3.3 J	3.4 J	2.3 J	2.8 J	2.8 J
1,4-Dioxane	ug/m^3	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
2,2,4-Trimethylpentane	ug/m^3	0.47 J	0.90 J	0.62 J	2.1 J	0.62 J	0.52 J
2-Butanone	ug/m^3	3.1	3.0	3.1	2.8 J	2.8	3.1
2-Hexanone	ug/m^3	0.50 J	1.2 UJ	0.46 J	1.2 UJ	0.50 J	1.2 UJ
3-Chloropropene	ug/m^3	0.48 U	0.48 U	0.48 U	0.48 UJ	0.48 U	0.48 U
4-Ethyltoluene	ug/m^3	11 J	8.2 J	9.4 J	12 J	11 J	8.0 J
4-Methyl-2-pentanone	ug/m^3	1.1 J	1.1 J	1.9 J	1.3 J	1.7 J	1.0 J
Acetone	ug/m^3	41 D	57 D	43 D	99 DJ	61 D	49 D
Benzene	ug/m^3	0.78 J	0.75 J	0.71	1.7 J	0.75 J	0.78
Benzyl Chloride	ug/m^3	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ
Bromodichloromethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Bromoform	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U
Bromomethane	ug/m^3	0.59 U	0.59 U	0.59 U	0.59 UJ	0.59 U	0.59 U
Carbon Disulfide	ug/m^3	0.60	0.73	0.85	0.47 J	0.76	0.44 J
Carbon Tetrachloride	ug/m^3	0.96 U	0.45 J	0.96 U	0.45 J	0.96 U	0.38
Chlorobenzene	ug/m^3	0.70 U	0.70 U	0.70 U	0.47 J	0.70 U	0.70 U
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 UJ	0.40 U	0.40 U
Chloroform	ug/m^3	0.84	0.79	0.79	1.1 J	0.79	0.84
Chloromethane	ug/m^3	1.0	1.2	1.4	1.0 J	1.2	1.2
cis-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 UJ	0.60 U	0.60 U
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 U	0.69 U
Cyclohexane	ug/m^3	49 D	36 D	16 D	55 DJ	39 D	26 D
Dibromochloromethane	ug/m^3	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m^3	2.7	2.6	2.8	2.8 J	3.1	2.9
Ethyl acetate	ug/m^3	1.7	2.3	2.9	2.1 J	3.4	2.7
Ethylbenzene	ug/m^3	1.6 J	1.8 J	2.0 J	1.7 J	1.9 J	1.6 J
Heptane	ug/m^3	28 D	14 D	10 DJ	52 DJ	18 D	5.0 DJ
Hexachlorobutadiene	ug/m^3	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Isopropanol	ug/m^3	NA	NA	NA	NA	NA	NA
Isopropyl alcohol	ug/m^3	770 D	1,800 D	1,400 D	3,100 DJ	2,800 D	2,400 D
m&p-Xylene	ug/m^3	3.4 J	3.2 J	3.0 J	3.8 J	4.3 J	2.3 J
Methyl tert-butyl ether	ug/m^3	0.55 U	0.55 U	0.55 U	0.55 UJ	0.55 U	0.55 U
Methylene Chloride	ug/m^3	290 D	420 D	240 D	180 DJ	440 D	400 D
n-Hexane	ug/m^3	-	-	-	-	-	-
o-Xylene	ug/m^3	1.9 J	1.6 J	1.7 J	2.1 J	3.2 J	1.5 J
Propylene	ug/m^3	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 U	0.26 U
Styrene	ug/m^3	7.9 J	8.7 J	11 J	7.7 J	11 J	10 J
Tetrachloroethene	ug/m^3	1.0 U	0.69 J	1.0 U	1.0 UJ	1.0 U	0.90 J
Tetrahydrofuran	ug/m^3	0.45 U	0.45 U	3.3	0.45 UJ	0.45 U	0.45 U
Toluene	ug/m^3	18 DJ	17 DJ	9.2 DJ	27 DJ	18 DJ	14 DJ
trans-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 UJ	0.60 U	0.60 U
trans-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 U	0.69 U
Trichloroethene	ug/m^3	1.6 J	1.7 J	1.7	2.2 J	1.4 J	1.6
Trichlorofluoromethane	ug/m^3	2.9	2.6	2.6	3.3 J	2.7	2.6
Vinyl Acetate	ug/m^3	0.54 UJ	0.54 UJ	0.54 UJ	0.54 UJ	0.54 UJ	0.54 UJ
Vinyl Bromide	ug/m^3	0.67 U	0.67 U	0.67 U	0.67 UJ	0.67 U	0.67 U
Vinyl Chloride	ug/m^3	0.39 U	0.10 U	0.39 U	0.10 UJ	0.39 U	0.10 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

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Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: / Lab Sample ID: / Date Collected: / Sample Type / Field Notes:		VMP-2C C0908051-024A 08/26/09 Sub-Slab	VMP-2C AA C0908051-012A 08/26/09 Indoor Air Burning odor / soldering	VMP-3A C0908051-002A 08/26/09 Sub-Slab	VMP-3A AA C0908051-003A 08/26/09 Indoor Air	VMP-3B C0908051-027A 08/26/09 Sub-Slab	VMP-3B AA C0908051-028A 08/26/09 Indoor Air
1,1,1-Trichloroethane	ug/m3	0.83 U	0.83 U	110 D	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	ug/m3	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m3	1.2 U	1.2 U	36 D	1.2 U	0.93 J	1.2 U
1,1,2-Trichloroethane	ug/m3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m3	0.62 U	0.62 U	6.5 J	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m3	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
1,2,4-Trimethylbenzene	ug/m3	22 J	8.5 DJ	6.5 J	4.8 J	16 J	3.4 J
1,2-Dibromoethane	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m3	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ
1,2-Dichloroethane	ug/m3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m3	4.7 J	4.4 J	0.75 UJ	1.2 J	4.4 J	0.90 J
1,3-Butadiene	ug/m3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m3	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ
1,4-Dichlorobenzene	ug/m3	2.6 J	3.2 J	12 DJ	14 J	11 J	7.2 J
1,4-Dioxane	ug/m3	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
2,2,4-Trimethylpentane	ug/m3	0.52 J	0.85	0.71 U	0.95	0.66 J	0.62 J
2-Butanone	ug/m3	3.2	2.9	7.0 J	5.5	6.4	3.7
2-Hexanone	ug/m3	1.2 UJ	1.2 U	1.2 UJ	1.2 U	1.2 UJ	1.2 UJ
3-Chloropropene	ug/m3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m3	8.4 J	8.6 J	0.75 UJ	3.6 J	5.6 J	2.5 J
4-Methyl-2-pentanone	ug/m3	1.4 J	1.4 J	1.2 U	0.75 J	1.2 U	0.58 J
Acetone	ug/m3	46 D	54 D	41 D	120 D	91 D	42 D
Benzene	ug/m3	0.81	1.0	0.81 J	1.0	1.2	0.78
Benzyl Chloride	ug/m3	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ
Bromodichloromethane	ug/m3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/m3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m3	0.89	0.79	4.1 J	0.51	2.1	0.54
Carbon Tetrachloride	ug/m3	0.96 U	0.45	0.96 U	0.45	0.96 U	0.45
Chlorobenzene	ug/m3	0.47 J	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m3	0.40 U	0.40 U	1.3 J	0.40 U	0.40 U	0.40 U
Chloroform	ug/m3	0.74	0.79	21 J	1.2	1.2	1.1
Chloromethane	ug/m3	1.4	1.3	0.31 U	1.0	1.1	0.80
cis-1,2-Dichloroethene	ug/m3	0.44 J	0.60 U	5.6 J	0.60 U	0.60 U	0.60 U
cis-1,3-Dichloropropene	ug/m3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m3	24 D	50 D	0.52 U	24 D	20 D	8.7 D
Dibromochloromethane	ug/m3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m3	3.0	2.9	2.4 J	2.9	2.6	2.6
Ethyl acetate	ug/m3	3.2	3.6	0.92 U	4.9	3.3	3.3
Ethylbenzene	ug/m3	2.1 J	2.2 J	1.0 J	1.1 J	2.4 J	0.84 J
Heptane	ug/m3	12	10 D	0.62 U	5.5	7.8	3.6
Hexachlorobutadiene	ug/m3	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Isopropanol	ug/m3	NA	NA	NA	NA	NA	NA
Isopropyl alcohol	ug/m3	470 D	2,900 D	260 D	3,500 D	1,900 D	1,400 D
m&p-Xylene	ug/m3	2.6 J	2.9 J	3.0 J	2.8 J	5.0 J	2.1 J
Methyl tert-butyl ether	ug/m3	0.55 U	0.55 UJ	0.55 U	0.55 UJ	0.55 U	0.55 U
Methylene Chloride	ug/m3	330 D	510 D	390 D	1,500 D	930 D	550 D
n-Hexane	ug/m3	-	-	-	-	-	-
o-Xylene	ug/m3	1.8 J	2.0 J	1.6 J	1.3 J	1.8 J	0.88 J
Propylene	ug/m3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	ug/m3	12 J	8.7 DJ	3.1 J	2.0 J	3.1 J	2.5 J
Tetrachloroethene	ug/m3	1.0 U	0.69 J	12 J	1.0 U	1.0 U	1.0 U
Tetrahydrofuran	ug/m3	0.45 U	0.45 U	15 J	0.45 U	13	0.45 U
Toluene	ug/m3	12 DJ	18 DJ	11 DJ	19 DJ	9.4 J	5.7 DJ
trans-1,2-Dichloroethene	ug/m3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
trans-1,3-Dichloropropene	ug/m3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m3	1.9	1.7	460 D	1.6	2.2	1.6
Trichlorofluoromethane	ug/m3	2.6	2.9	1.7 J	2.1	3.3	1.9
Vinyl Acetate	ug/m3	0.54 UJ	0.54 UJ	0.75 J	0.54 UJ	0.54 UJ	0.54 UJ
Vinyl Bromide	ug/m3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m3	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U

Notes:
µg/m3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		VMP-3C C0908051-014A 08/26/09 Sub-Slab	VMP-3C AA C0908051-015A 08/26/09 Indoor Air Near machine	VMP-3D C0908051-029A 08/26/09 Sub-Slab	VMP-3D AA C0908051-007A 08/26/09 Indoor Air Near machine	VMP-3E C0908051-017A 08/26/09 Sub-Slab	VMP-3E AA C0908051-008A 08/26/09 Indoor Air Strong odor of orange cleaner
1,1,1-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	1.2 U	0.86 J	1.0 J	1.2 U	1.3	1.2 U
1,1,2-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m^3	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
1,2,4-Trimethylbenzene	ug/m^3	5.6 J	2.3 J	5.1 J	2.7 J	4.4 J	3.9 J
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m^3	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m^3	0.75 UJ	0.80 J	1.7 J	0.65 J	1.4 J	0.90 J
1,3-Butadiene	ug/m^3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m^3	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ
1,4-Dichlorobenzene	ug/m^3	6.8 J	4.6 J	5.6 J	4.5 J	2.8 J	3.4 J
1,4-Dioxane	ug/m^3	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
2,2,4-Trimethylpentane	ug/m^3	0.62 J	0.52 J	0.71 U	0.52 J	0.62 J	0.76
2-Butanone	ug/m^3	4.9	3.0	3.3	3.0	3.8	2.5
2-Hexanone	ug/m^3	1.2 UJ	1.2 UJ	1.2 UJ	1.2 U	1.2 UJ	1.2 U
3-Chloropropene	ug/m^3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m^3	0.75 UJ	1.8 J	5.4 J	2.3 J	4.2 J	2.6 J
4-Methyl-2-pentanone	ug/m^3	1.2 U	1.2 U	1.5 J	0.67 J	1.2 U	1.2 U
Acetone	ug/m^3	84 D	48 D	65 D	59 D	130 D	46 D
Benzene	ug/m^3	0.71 J	0.68	0.71 J	0.71	0.94	0.78
Benzyl Chloride	ug/m^3	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ
Bromodichloromethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m^3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m^3	2.0	1.2	2.3	0.76	1.0	0.41 J
Carbon Tetrachloride	ug/m^3	0.96 U	0.45	0.96 U	0.45	0.96 U	0.45
Chlorobenzene	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	ug/m^3	1.0	1.2	1.2	1.4	19 D	1.1
Chloromethane	ug/m^3	0.97	1.0	0.92	1.0	0.82	0.97
cis-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.44 J	0.60 U	0.60 U	0.60 U
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m^3	0.52 U	24 D	17 J	0.52 U	0.52 U	0.52 U
Dibromochloromethane	ug/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m^3	2.7	2.7	2.5	2.8	2.7	2.7
Ethyl acetate	ug/m^3	2.2	2.7	2.3	2.5	1.4	1.9
Ethylbenzene	ug/m^3	6.4 J	0.88 J	0.97 J	0.75 J	2.2 J	1.6 J
Heptane	ug/m^3	10 DJ	3.0	3.5 J	3.0	19 D	12 D
Hexachlorobutadiene	ug/m^3	1.6 UJ	1.6 UJ	1.6 U	1.6 UJ	1.6 UJ	1.6 UJ
Isopropanol	ug/m^3	NA	NA	NA	NA	NA	NA
Isopropyl alcohol	ug/m^3	1,200 D	1,300 D	1,200 D	1,500 D	290 D	1,100 D
m&p-Xylene	ug/m^3	16 J	1.8 J	2.0 J	1.6 J	5.0 J	4.1 J
Methyl tert-butyl ether	ug/m^3	0.55 U	0.55 U	0.55 U	0.55 UJ	0.55 U	0.55 UJ
Methylene Chloride	ug/m^3	580 D	570 D	260 D	560 D	210 D	440 D
n-Hexane	ug/m^3	-	-	-	-	-	-
o-Xylene	ug/m^3	3.8 J	0.62 J	0.88 J	0.66 J	1.6 J	1.2 J
Propylene	ug/m^3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	ug/m^3	2.6 J	2.2 J	2.7 J	2.9 J	1.8 J	2.5 J
Tetrachloroethene	ug/m^3	1.0 U	0.76 J	1.0 U	1.0 U	1.9 J	0.83 J
Tetrahydrofuran	ug/m^3	0.45 U	0.45 U	1.7	0.45 U	0.45 U	0.45 U
Toluene	ug/m^3	8.0 J	8.0 J	7.9 J	7.7 J	7.4 J	6.5 J
trans-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
trans-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m^3	1.6 J	2.0	2.5 J	1.9	2.8	2.1
Trichlorofluoromethane	ug/m^3	2.0	2.0	3.1	2.1	3.6	4.1
Vinyl Acetate	ug/m^3	0.54 UJ	0.54 UJ	0.54 UJ	0.54 UJ	0.54 UJ	0.54 UJ
Vinyl Bromide	ug/m^3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m^3	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

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Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		VMP-4 C0908051-011A 08/26/09 Sub-Slab	VMP-4 AA C0908051-026A 08/26/09 Indoor Air People working nearby	VMP-5 C0908051-016A 08/26/09 Sub-Slab	VMP-5 AA C0908051-006A 08/26/09 Indoor Air	VMP-7 C0908051-004A 08/26/09 Sub-Slab	VMP-7 AA C0908051-005A 08/26/09 Indoor Air
1,1,1-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 UJ	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	1.2 U	1.2 U	1.5	1.2 UJ	1.2 U	1.2 U
1,1,2-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 UJ	0.83 U	0.83 U
1,1-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 UJ	0.62 U	0.62 U
1,1-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 UJ	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m^3	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
1,2,4-Trimethylbenzene	ug/m^3	20 J	8.0 DJ	7.0 J	4.9 J	7.2 J	4.9 J
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m^3	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 UJ	0.62 U	0.62 U
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 UJ	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m^3	3.9 J	3.8 J	1.6 J	1.3 J	1.7 J	1.3 J
1,3-Butadiene	ug/m^3	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m^3	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ	0.92 UJ
1,4-Dichlorobenzene	ug/m^3	4.0 J	3.8 J	13 J	13 J	7.5 J	6.9 J
1,4-Dioxane	ug/m^3	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
2,2,4-Trimethylpentane	ug/m^3	0.71	0.57 J	0.90 J	0.81 J	0.95	0.81
2-Butanone	ug/m^3	3.2	3.0	3.6	4.3 J	5.8	5.0
2-Hexanone	ug/m^3	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 U
3-Chloropropene	ug/m^3	0.48 U	0.48 U	0.48 U	0.48 UJ	0.48 U	0.48 U
4-Ethyltoluene	ug/m^3	8.2 J	8.1 J	4.2 J	3.5 J	5.9 J	3.5 J
4-Methyl-2-pentanone	ug/m^3	1.2 U	1.1 J	0.58 J	1.0 J	1.1 J	0.96 J
Acetone	ug/m^3	80 D	81 D	110 D	98 DJ	92 D	110 D
Benzene	ug/m^3	0.97	0.71	2.6 J	0.88 J	1.8	1.0
Benzyl Chloride	ug/m^3	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ
Bromodichloromethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Bromoform	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U
Bromomethane	ug/m^3	0.59 U	0.59 U	0.59 U	0.59 UJ	0.59 U	0.59 U
Carbon Disulfide	ug/m^3	0.85	1.6	3.0	2.6 J	1.3	1.1
Carbon Tetrachloride	ug/m^3	0.96 U	0.45	0.96 U	0.45 J	0.96 U	0.45
Chlorobenzene	ug/m^3	0.70 U	0.70 U	0.70 U	0.51 J	0.70 U	0.70 U
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 UJ	0.40 U	0.40 U
Chloroform	ug/m^3	0.84	0.79	1.6	1.4 J	1.4	1.4
Chloromethane	ug/m^3	1.2	1.2	1.0	1.1 J	1.2	1.7
cis-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 UJ	0.60 U	0.60 U
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 U	0.69 U
Cyclohexane	ug/m^3	45 D	60 D	14 D	0.52 UJ	0.52 U	0.52 U
Dibromochloromethane	ug/m^3	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m^3	2.8	2.8	2.6	2.9 J	2.9	3.1
Ethyl acetate	ug/m^3	3.4	3.1	4.4	4.7 J	6.6	6.6
Ethylbenzene	ug/m^3	2.3 J	1.7 J	2.3 J	0.88 J	1.9 J	0.97 J
Heptane	ug/m^3	19 D	6.7 D	6.0 J	4.9 J	5.4	4.4
Hexachlorobutadiene	ug/m^3	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Isopropanol	ug/m^3	NA	NA	NA	NA	NA	NA
Isopropyl alcohol	ug/m^3	2,800 D	2,400 D	4,500 D	5,000 DJ	5,400	5,400 D
m&p-Xylene	ug/m^3	4.8 J	2.3 J	8.2 J	2.2 J	6.1 J	2.4 J
Methyl tert-butyl ether	ug/m^3	0.55 U	0.55 U	0.55 U	0.55 UJ	0.55 U	0.55 UJ
Methylene Chloride	ug/m^3	610 D	510 D	2,100 D	2,500 DJ	1,400 D	1,300 D
n-Hexane	ug/m^3	-	-	-	-	-	-
o-Xylene	ug/m^3	2.4 J	1.5 J	2.4 J	1.0 J	1.8 J	1.0 J
Propylene	ug/m^3	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 U	0.26 U
Styrene	ug/m^3	11 J	7.4 DJ	1.5 J	1.4 J	2.4 J	2.0 J
Tetrachloroethene	ug/m^3	1.1 J	1.0 U	1.0 U	1.6 J	1.0 U	1.0 U
Tetrahydrofuran	ug/m^3	0.45 U	2.0	0.45 U	3.6 J	0.45 U	0.45 U
Toluene	ug/m^3	24 DJ	17 DJ	23 DJ	11 J	19 DJ	15 D
trans-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 UJ	0.60 U	0.60 U
trans-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 U	0.69 U
Trichloroethene	ug/m^3	1.6	1.7	1.5 J	2.3 J	1.9	2.0
Trichlorofluoromethane	ug/m^3	2.5	2.4	1.9	2.2 J	2.2	2.4
Vinyl Acetate	ug/m^3	0.54 UJ	0.54 UJ	0.54 UJ	0.54 UJ	0.54 UJ	0.54 UJ
Vinyl Bromide	ug/m^3	0.67 U	0.67 U	0.67 U	0.67 UJ	0.67 U	0.67 U
Vinyl Chloride	ug/m^3	0.39 U	0.10 U	0.39 U	0.10 UJ	0.39 U	0.10 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		SG-3 C0912007-002A 12/01/09 Soil Gas	SG-4 C0912007-003A 12/01/09 Soil Gas	VMP-1A C1001027-007A 01/13/10 Sub-Slab	VMP-1A AA C1001027-001A 01/13/10 Indoor Air Slight paint odor	VMP-1B C1001027-010A 01/13/10 Sub-Slab	VMP-1B AA C1001027-012A 01/13/10 Indoor Air Odor in room	VMP-1C C1001027-005A 01/13/10 Sub-Slab
1,1,1-Trichloroethane	ug/m^3	19	0.83	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	1.6	9.5	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,1,2-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.77	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m^3	1.1 U	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
1,2,4-Trimethylbenzene	ug/m^3	3.0	1.9	0.75 U	8.5 D	2.5 J	5.2	7.7
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m^3	0.65 J	0.75 U	0.75 U	5.2	1.2 J	1.5	2.0
1,3-Butadiene	ug/m^3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dioxane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	ug/m^3	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
2-Butanone	ug/m^3	0.51 J	0.90 U	0.90 U	1.2	4.1	2.2	1.0
2-Hexanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
3-Chloropropene	ug/m^3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m^3	1.2	0.60 J	0.75 U	6.7	0.65 J	1.6	2.0
4-Methyl-2-pentanone	ug/m^3	1.2 U	1.2 U	0.62 J	1.2 U	1.2 U	1.2 U	1.2 U
Acetone	ug/m^3	16	20	0.92	31 D	21 D	27 D	19 D
Benzene	ug/m^3	0.39 J	0.49 U	0.49 U	1.1	2.0 J	1.2	0.78
Benzyl Chloride	ug/m^3	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m^3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m^3	1.7	0.66	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Carbon Tetrachloride	ug/m^3	0.96 U	0.96 U	0.96 U	0.58	0.45 J	0.51	0.51 J
Chlorobenzene	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	ug/m^3	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U
Chloromethane	ug/m^3	0.31 U	0.31 U	0.31 U	0.65	0.65	0.57	0.31 U
cis-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	1.2	0.60 U
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m^3	0.52 U	0.52 U	0.52 U	7.7 D	26 D	14 D	4.1
Dibromochloromethane	ug/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m^3	2.1	2.1	0.75 U	2.4	2.2	2.0	2.4
Ethyl acetate	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	1.8	0.70 J	0.51 J
Ethylbenzene	ug/m^3	0.97	0.66 U	0.66 U	2.8 D	0.62 J	0.71	0.75
Heptane	ug/m^3	0.75	0.62 U	0.62 U	10	11 D	17	7.0
Hexachlorobutadiene	ug/m^3	1.6 U	1.6 U	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Isopropanol	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Isopropyl alcohol	ug/m^3	1.3	4.9	1.2	390 D	92 D	190 D	91 D
m&p-Xylene	ug/m^3	3.1	1.1 J	1.3 U	6.2 J	1.5 J	2.1	2.1
Methyl tert-butyl ether	ug/m^3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	ug/m^3	0.53 U	1.7	0.46 J	48	200 D	95 D	58 D
n-Hexane	ug/m^3	-	-	-	-	-	-	-
o-Xylene	ug/m^3	0.97	0.66 U	0.66 U	2.5	0.57 J	0.75	0.79
Propylene	ug/m^3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	ug/m^3	0.65 U	0.65 U	0.65 U	0.91	3.6 J	1.6	1.3
Tetrachloroethene	ug/m^3	5.4	1.4	8.5	1.0 U	1.0 U	0.83 J	1.4
Tetrahydrofuran	ug/m^3	0.45 U	0.45 U	0.45 U	1.2	3.8	5.1	1.6
Toluene	ug/m^3	2.2	0.84	0.57 U	2.6	13 DJ	4.3	5.1
trans-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
trans-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m^3	2.1	0.82 U	0.49 J	0.82	1.4 J	5.8	0.82
Trichlorofluoromethane	ug/m^3	0.97	0.86	0.86 U	42	7.5	7.4	55 D
Vinyl Acetate	ug/m^3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	ug/m^3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m^3	0.39 U	0.39 U	0.39 U	0.10 U	0.39 U	0.10	0.39 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		VMP-1C AA C1001026-007A 01/13/10 Indoor Air	VMP-2A C1001026-003A 01/13/10 Sub-Slab	VMP-2A AA C1001026-014A 01/13/10 Indoor Air	VMP-2B C1001026-015A 01/13/10 Sub-Slab	VMP-2B AA C1001027-011A 01/13/10 Indoor Air	VMP-2C C1001026-013A 01/13/10 Sub-Slab	VMP-2C AA C1001027-013A 01/13/10 Indoor Air Odor in room
1,1,1-Trichloroethane	ug/m^3	0.83 U	0.83 U [0.83 U]	0.83 U	0.39 J	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,1,2-Trichloroethane	ug/m^3	0.83 U	0.83 U [0.83 U]	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m^3	0.62 U	0.62 U [0.62 U]	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m^3	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m^3	1.1 UJ	1.1 UJ [1.1 UJ]	1.1 UJ	1.1 UJ	1.1 UJ	6.4 J	1.1 UJ
1,2,4-Trimethylbenzene	ug/m^3	9.4	31 DJ [31 DJ]	5.0 DJ	6.5 DJ	12	140 DJ	11
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m^3	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U [0.62 U]	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U [0.70 U]	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m^3	2.4	9.0 DJ [8.5 DJ]	3.0 J	3.6 J	3.1	35 DJ	3.0
1,3-Butadiene	ug/m^3	0.34 U	0.34 U [0.34 U]	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m^3	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	ug/m^3	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dioxane	ug/m^3	1.1 U	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	ug/m^3	0.71 U	0.71 U [0.71 U]	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
2-Butanone	ug/m^3	2.7	8.7 DJ [8.1 J]	3.1	3.2	2.5	2.8 J	3.4
2-Hexanone	ug/m^3	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
3-Chloropropene	ug/m^3	0.48 U	0.48 U [0.48 U]	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m^3	2.8	7.5 J [8.4 J]	3.6 J	3.9 J	3.6	34 DJ	3.5
4-Methyl-2-pentanone	ug/m^3	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Acetone	ug/m^3	38 D	57 DJ [88 DJ]	42 D	87 D	39 D	29 DJ	45 D
Benzene	ug/m^3	1.2	1.1 J [1.1 J]	1.1 J	1.2 J	1.2	1.3 J	1.6
Benzyl Chloride	ug/m^3	0.88 U	0.88 U [0.88 U]	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	ug/m^3	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/m^3	1.6 U	1.6 U [1.6 U]	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m^3	0.59 U	0.59 U [0.59 U]	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m^3	0.47 U	0.47 U [0.47 U]	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Carbon Tetrachloride	ug/m^3	0.38	0.38 J [0.38 J]	0.38 J	0.45 J	0.45	0.45 J	0.51
Chlorobenzene	ug/m^3	0.70 U	0.70 U [0.70 U]	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m^3	0.40 U	1.2 J [1.4 J]	0.40 U	0.30 J	0.40 U	0.40 U	0.40 U
Chloroform	ug/m^3	0.74 U	0.50 J [0.74 U]	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U
Chloromethane	ug/m^3	0.61	0.76 J [0.65 J]	0.46	0.71	0.57	0.59 J	0.59
cis-1,2-Dichloroethene	ug/m^3	0.60 U	0.52 J [0.60 U]	0.60 U	0.60 U	0.60 U	0.64 J	0.60 U
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U [0.69 U]	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m^3	24 D	15 DJ [15 DJ]	38 DJ	28 DJ	26 D	22 DJ	34 D
Dibromochloromethane	ug/m^3	1.3 U	1.3 U [1.3 U]	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m^3	2.1	9.8 J [12 DJ]	2.0	2.3	2.2	2.1 J	2.3
Ethyl acetate	ug/m^3	0.77 J	1.8 J [1.3 J]	0.95	0.88 J	0.81 J	0.81 J	0.99
Ethylbenzene	ug/m^3	1.1	6.7 J [7.7 J]	0.88 J	2.1 J	0.75	10 DJ	0.75
Heptane	ug/m^3	31 D	12 DJ [12 DJ]	52 DJ	47 DJ	36 D	34 DJ	57 D
Hexachlorobutadiene	ug/m^3	1.6 UJ	1.6 UJ [1.6 UJ]	1.6 UJ	1.6 UJ	1.6 UJ	1.6 U	1.6 UJ
Isopropanol	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Isopropyl alcohol	ug/m^3	520 D	440 DJ [540 DJ]	750 D	620 D	430 D	98 DJ	450 D
m&p-Xylene	ug/m^3	3.3	25 DJ [26 DJ]	2.6 J	4.7 J	2.3	69 DJ	2.3
Methyl tert-butyl ether	ug/m^3	0.55 U	0.55 U [0.55 U]	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	ug/m^3	150 D	81 DJ [62 DJ]	220 D	190 D	170 D	140 DJ	220 D
n-Hexane	ug/m^3	-	-	-	-	-	-	-
o-Xylene	ug/m^3	1.1	12 DJ [12 DJ]	1.1 J	1.8 J	1.1	30 DJ	0.97
Propylene	ug/m^3	0.26 U	0.26 U [0.26 U]	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	ug/m^3	2.3	6.6 J [7.4 J]	4.0 J	5.0 J	3.2	5.9 J	2.9
Tetrachloroethene	ug/m^3	1.1	2.6 J [2.8 J]	1.0 U	1.5 J	1.0 U	1.0 U	1.0 U
Tetrahydrofuran	ug/m^3	5.4	5.3 J [6.1 J]	6.6 D	6.0 D	4.5 D	5.4 DJ	5.4 D
Toluene	ug/m^3	4.2	28 DJ [30 DJ]	4.7 J	11 DJ	4.7	15 DJ	6.1
trans-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
trans-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U [0.69 U]	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m^3	0.93	2.9 J [0.82 J]	0.76 J	1.9 J	0.93	3.4 J	1.2
Trichlorofluoromethane	ug/m^3	9.9	4.2 J [4.5 J]	5.0	5.4	5.9	5.1 J	9.2
Vinyl Acetate	ug/m^3	0.54 U	0.54 U [0.54 U]	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	ug/m^3	0.67 U	0.67 U [0.67 U]	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m^3	0.10 U	0.39 U [0.39 U]	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		VMP-3A C1001026-005A 01/13/10 Sub-Slab	VMP-3A AA C1001026-002A 01/13/10 Indoor Air	VMP-3B C1001027-009A 01/13/10 Sub-Slab	VMP-3B AA C1001026-006A 01/13/10 Indoor Air Odor in room	VMP-3C C1001026-008A 01/13/10 Sub-Slab	VMP-3C AA C1001027-004A 01/13/10 Indoor Air	VMP-3D C1001026-009A 01/13/10 Sub-Slab
1,1,1-Trichloroethane	ug/m^3	88 D	0.83 U	0.50 J	0.83 U	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	6.4	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,1,2-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m^3	3.0	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m^3	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
1,2,4-Trimethylbenzene	ug/m^3	12 DJ	1.3	5.7 J	1.0	0.80	1.3	0.90
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m^3	5.4 J	0.50 J	2.0 J	0.50 J	0.85	0.70 J	0.50 J
1,3-Butadiene	ug/m^3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	ug/m^3	1.2 J	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dioxane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	ug/m^3	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
2-Butanone	ug/m^3	3.6	17 D	8.7 J	13 D	4.0	4.9	6.3 DJ
2-Hexanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
3-Chloropropene	ug/m^3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m^3	5.4 J	0.50 J	1.1 J	0.75 U	0.75 U	0.75 U	0.75 U
4-Methyl-2-pentanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Acetone	ug/m^3	17 D	140 D	130 D	110 D	86 D	30 D	81 D
Benzene	ug/m^3	0.81	1.3	1.3	1.1	1.1	1.1	1.1
Benzyl Chloride	ug/m^3	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m^3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m^3	0.73	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Carbon Tetrachloride	ug/m^3	0.96 U	0.45	0.51 J	0.38	0.38 J	0.45	0.45 J
Chlorobenzene	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	ug/m^3	21 D	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U
Chloromethane	ug/m^3	0.31 U	0.67	0.61	0.59	0.52	0.50	0.57
cis-1,2-Dichloroethene	ug/m^3	5.6	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m^3	5.6	0.52 U	10 D	0.52 U	0.52 U	5.6	0.52 U
Dibromochloromethane	ug/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m^3	2.0	1.8	2.1	1.9	1.8	2.0	1.8
Ethyl acetate	ug/m^3	1.5	4.9	2.5	2.3	0.77 J	1.3	1.5
Ethylbenzene	ug/m^3	3.3 J	0.57 J	1.1 J	0.49 J	2.2	0.53 J	0.44 J
Heptane	ug/m^3	3.3	2.6	3.4	2.6	1.9	2.0	2.9
Hexachlorobutadiene	ug/m^3	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Isopropanol	ug/m^3	NA	NA	NA	NA	NA	NA	NA
Isopropyl alcohol	ug/m^3	300 D	1,900 D	660 D	980 D	150 D	590 D	720 D
m&p-Xylene	ug/m^3	11 DJ	2.0	3.7 J	1.1 J	3.7	1.3 J	0.97 J
Methyl tert-butyl ether	ug/m^3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	ug/m^3	18 D	290 D	410 D	590 D	71 D	230 D	210 D
n-Hexane	ug/m^3	-	-	-	-	-	-	-
o-Xylene	ug/m^3	6.7 J	0.75	1.5 J	0.66 U	0.49 J	0.49 J	0.66 U
Propylene	ug/m^3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	ug/m^3	0.74 J	0.65 U	1.1 J	1.3	0.65 U	1.8	1.5
Tetrachloroethene	ug/m^3	90 DJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrahydrofuran	ug/m^3	1.6	4.5 D	7.2 D	6.9 D	1.5	5.8	4.5
Toluene	ug/m^3	11 DJ	9.6 D	8.4 DJ	7.7 D	11 D	6.2	5.5
trans-1,2-Dichloroethene	ug/m^3	0.93	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
trans-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m^3	1,900 D	0.76	1.7	1.1	0.71 J	0.71	0.82
Trichlorofluoromethane	ug/m^3	0.97	1.1	1.1	1.0	0.97	1.1	1.1
Vinyl Acetate	ug/m^3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	ug/m^3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m^3	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		VMP-3D AA C1001027-002A 01/13/10 Indoor Air Odor in room	VMP-3E C1001027-008A 01/13/10 Sub-Slab	VMP-3E AA C1001027-014A 01/13/10 Indoor Air Orange cleaner odor	VMP-4 C1001026-012A 01/13/10 Sub-Slab	VMP-4 AA C1001026-011A 01/13/10 Indoor Air Odor in room	VMP-5 AA C1001026-001A 01/13/10 Indoor Air High traffic area
1,1,1-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 UJ
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ
1,1,2-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 UJ
1,1-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 UJ
1,1-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 UJ
1,2,4-Trichlorobenzene	ug/m^3	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
1,2,4-Trimethylbenzene	ug/m^3	290 DJ	4.1 J	1.1	5.0 DJ	10	1.7 J
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ
1,2-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 UJ
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 UJ
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 UJ
1,3,5-Trimethylbenzene	ug/m^3	62 DJ	0.75 U	0.75 U	3.1	2.5	0.60 J
1,3-Butadiene	ug/m^3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 UJ
1,3-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 UJ
1,4-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 UJ
1,4-Dioxane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ
2,2,4-Trimethylpentane	ug/m^3	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 UJ
2-Butanone	ug/m^3	4.2 J	3.4	2.8	3.2	3.9	11 DJ
2-Hexanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ
3-Chloropropene	ug/m^3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 UJ
4-Ethyltoluene	ug/m^3	57 DJ	0.55 J	0.75 U	3.3	3.0	0.65 J
4-Methyl-2-pentanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ
Acetone	ug/m^3	70 DJ	49 D	39 D	100 D	110 D	200 DJ
Benzene	ug/m^3	1.4 J	0.75	1.3	1.2	1.3	1.3 J
Benzyl Chloride	ug/m^3	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 UJ
Bromodichloromethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Bromoform	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ
Bromomethane	ug/m^3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 UJ
Carbon Disulfide	ug/m^3	0.47 U	0.47 U	0.47 U	1.4	0.47 U	0.47 UJ
Carbon Tetrachloride	ug/m^3	0.51 J	0.45 J	0.51	0.45 J	0.45	0.51 J
Chlorobenzene	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 UJ
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 UJ
Chloroform	ug/m^3	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 UJ
Chloromethane	ug/m^3	0.57 J	0.65	0.50	0.59	0.61	0.67 J
cis-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 UJ
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 UJ
Cyclohexane	ug/m^3	9.4 DJ	2.6	7.0 D	36 D	36 D	10 DJ
Dibromochloromethane	ug/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 UJ
Dichlorodifluoromethane	ug/m^3	2.0 J	1.9	2.0	2.0	2.1	1.9 J
Ethyl acetate	ug/m^3	1.5 J	0.70 J	0.81 J	0.99	1.0	2.6 J
Ethylbenzene	ug/m^3	22 DJ	1.5 J	0.44 J	0.84	0.79	0.66 UJ
Heptane	ug/m^3	5.8 DJ	2.2	10 D	55 D	52 D	1.9 J
Hexachlorobutadiene	ug/m^3	1.6 U	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Isopropanol	ug/m^3	NA	NA	NA	NA	NA	NA
Isopropyl alcohol	ug/m^3	310 DJ	50 D	250 D	730 D	860 D	640 DJ
m&p-Xylene	ug/m^3	110 DJ	4.1 J	1.3 J	2.6	2.4	1.1 J
Methyl tert-butyl ether	ug/m^3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 UJ
Methylene Chloride	ug/m^3	180 DJ	66 D	150 D	490 D	420 D	660 DJ
n-Hexane	ug/m^3	-	-	-	-	-	-
o-Xylene	ug/m^3	58 DJ	1.3 J	0.66 U	1.2	1.1	0.66 UJ
Propylene	ug/m^3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 UJ
Styrene	ug/m^3	0.65 U	0.65 U	0.65 U	3.9	3.6	0.65 UJ
Tetrachloroethene	ug/m^3	1.0 U	8.6 J	1.0 U	6.1	1.0 U	1.0 UJ
Tetrahydrofuran	ug/m^3	5.3 J	0.66	3.3	8.1 D	9.6 D	50 DJ
Toluene	ug/m^3	36 DJ	4.0 J	4.0	5.3	5.5	8.4 DJ
trans-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 UJ
trans-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 UJ
Trichloroethene	ug/m^3	0.76 J	2.5	1.3	0.87	0.87	0.82 J
Trichlorofluoromethane	ug/m^3	2.7 J	1.0	1.9	5.7	5.8	1.1 J
Vinyl Acetate	ug/m^3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 UJ
Vinyl Bromide	ug/m^3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 UJ
Vinyl Chloride	ug/m^3	0.39 U	0.39 U	0.10 U	0.39 U	0.10 U	0.10 UJ

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		VMP-7 AA C1001026-010A 01/13/10 Indoor Air	I-AMB 03/17/10 Indoor Air	SG-GH-1 03/17/10 Sub-Slab	VMP-1B 01/25/11 Sub-Slab	VMP-1B AA 01/25/11 Indoor Air	VMP-2B 01/25/11 Sub-Slab	VMP-2B AA 01/25/11 Indoor Air
1,1,1-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	69 D	0.83 U [0.83 U]
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.7	1.2 U [1.2 U]
1,1,2-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ [0.83 UJ]
1,1-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]
1,1-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]
1,2,4-Trichlorobenzene	ug/m^3	1.1 UJ	1.1 U	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ [1.1 UJ]
1,2,4-Trimethylbenzene	ug/m^3	1.8	1.2	0.75	7.6	9.2	4.3	8.0 D [8.5 D]
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]
1,2-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]
1,3,5-Trimethylbenzene	ug/m^3	0.70 J	1.9	0.75 U	1.6	2.2	1.0	2.7 [2.6]
1,3-Butadiene	ug/m^3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U [0.34 U]
1,3-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]
1,4-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.73 J	0.92 U	0.92 U	0.92 U [0.92 U]
1,4-Dioxane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]
2,2,4-Trimethylpentane	ug/m^3	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U [0.71 U]
2-Butanone	ug/m^3	11 D	0.90 U	0.81 J	0.90 U	0.90 U	0.90 U	0.90 U [0.90 U]
2-Hexanone	ug/m^3	1.2 U	1.2 UJ	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]
3-Chloropropene	ug/m^3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U [0.48 U]
4-Ethyltoluene	ug/m^3	0.65 J	0.50 J	0.75 U	1.4	1.6	0.55 J	2.4 [2.3]
4-Methyl-2-pentanone	ug/m^3	1.2 U	1.2 UJ	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]
Acetone	ug/m^3	190 D	31	12	9.9 D	12 D	4.8	19 D [24 D]
Benzene	ug/m^3	1.3	0.58	0.75	1.3	1.2	0.49 U	1.3 [1.1]
Benzyl Chloride	ug/m^3	0.88 U	0.88 U	0.88 U	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ [0.88 UJ]
Bromodichloromethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]
Bromoform	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U [1.6 U]
Bromomethane	ug/m^3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U [0.59 U]
Carbon Disulfide	ug/m^3	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.76	0.47 U [0.47 U]
Carbon Tetrachloride	ug/m^3	0.45	0.70	0.96 U	0.32 J	0.38	0.32 J	0.32 [0.38]
Chlorobenzene	ug/m^3	0.70 U	0.70 U	0.70 U	0.89	1.0	0.70 U	1.4 [1.4]
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U [0.40 U]
Chloroform	ug/m^3	0.74 U	0.79	0.74 U	0.74 U	0.74 U	0.89	0.74 U [0.74 U]
Chloromethane	ug/m^3	0.97	0.31 U	0.69	0.71	0.78	0.31 U	0.86 [0.69]
cis-1,2-Dichloroethene	ug/m^3	0.60 U	2.3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U [0.69 U]
Cyclohexane	ug/m^3	14 D	1.1	4.1	10 D	16 D	0.52 U	15 D[13 D]
Dibromochloromethane	ug/m^3	1.3 U	1.3 UJ	1.3 UJ	1.3 U	1.3 U	1.3 U	1.3 U [1.3 U]
Dichlorodifluoromethane	ug/m^3	1.9	0.75 U	2.4	2.0 J	2.6 J	33 J	2.2 J [2.2 J]
Ethyl acetate	ug/m^3	9.9 D	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]
Ethylbenzene	ug/m^3	0.57 J	0.66 U	0.66 U	0.71	0.84	0.66	0.79 [0.84]
Heptane	ug/m^3	1.6	0.62 U	0.46 J	5.4 JD	7.9 D	0.62 U	6.5 [6.0]
Hexachlorobutadiene	ug/m^3	1.6 UJ	1.6 U	1.6 U	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ [1.6 UJ]
Isopropanol	ug/m^3	NA	NA	NA	150 JD	220 JD	3.1 J	290 JD [310 JD]
Isopropyl alcohol	ug/m^3	2,000 D	0.37 U	18	1.6 J	1.9 J	2.3 J	1.6 J [1.6 J]
m&p-Xylene	ug/m^3	1.6	0.66 J	0.79 J	0.55 U	0.55 U	0.55 U	0.55 U [0.55 U]
Methyl tert-butyl ether	ug/m^3	0.55 U	0.55 U	0.55 U	16 D	21 D	0.53 U	18 D [20 D]
Methylene Chloride	ug/m^3	1,800 D	1.6	0.56	1.1	1.0	0.54 U	1.2 [1.0]
n-Hexane	ug/m^3	-	0.54 U	0.54 U	-	-	-	-
o-Xylene	ug/m^3	0.53 J	0.66 U	0.66 U	0.79	0.93	1.0	0.88 [0.97]
Propylene	ug/m^3	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 UJ	0.26 UJ	0.26 UJ [0.26 UJ]
Styrene	ug/m^3	0.78	0.65 U	0.65 U	2.6	3.6	0.65 U	5.1 [4.4]
Tetrachloroethene	ug/m^3	1.0 U	1.6 J	1.9 J	1.0 U	2.3	90 D	1.0 U [1.0 U]
Tetrahydrofuran	ug/m^3	70 D	0.45 U	0.45 U	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ [0.45 UJ]
Toluene	ug/m^3	13 D	1.6	1.6	3.4	3.4	2.2	3.0 [2.9]
trans-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]
trans-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 UJ	0.69 UJ	0.69 UJ [0.69 UJ]
Trichloroethene	ug/m^3	0.87	9.9	0.87	0.71 J	0.71	33 D	0.66 [0.60]
Trichlorofluoromethane	ug/m^3	1.0	1.7	1.7	1.9	2.2	2.3	2.1 [1.9]
Vinyl Acetate	ug/m^3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U [0.54 U]
Vinyl Bromide	ug/m^3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U [0.67 U]
Vinyl Chloride	ug/m^3	0.10 U	0.10 U	0.39 U	0.39 U	0.10 U	0.39 U	0.10 U [0.10 U]

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		VMP-2C 01/25/11 Sub-Slab	VMP-2C AA 01/25/11 Indoor Air	VMP-3A 01/25/11 Sub-Slab	VMP-3A AA 01/25/11 Indoor Air	VMP-3B 01/24/11 Sub-Slab	VMP-3B AA 01/25/11 Indoor Air	VMP-3D 01/25/11 Sub-Slab
1,1,1-Trichloroethane	ug/m^3	11	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U [0.83 U]
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	2.6	1.2 U	0.78 J	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]
1,1,2-Trichloroethane	ug/m^3	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ [0.83 UJ]
1,1-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]
1,1-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]
1,2,4-Trichlorobenzene	ug/m^3	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ [1.1 UJ]
1,2,4-Trimethylbenzene	ug/m^3	6.0 D	9.5 D	1.0	1.3	1.7	1.3	1.0 [0.95]
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]
1,2-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]
1,3,5-Trimethylbenzene	ug/m^3	2.0	3.2	0.75 U	0.50 J	0.80	0.55 J	0.75 U [0.75 U]
1,3-Butadiene	ug/m^3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U [0.34 U]
1,3-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]
1,4-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	4.4	3.7	4.6	1.4	0.73 J [0.67 J]
1,4-Dioxane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]
2,2,4-Trimethylpentane	ug/m^3	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U [0.71 U]
2-Butanone	ug/m^3	0.90 U	0.90 U	0.90 U	4.2	0.90 U	0.90 U	0.90 U [0.90 U]
2-Hexanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]
3-Chloropropene	ug/m^3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U [0.48 U]
4-Ethyltoluene	ug/m^3	1.6	2.7	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U [0.75 U]
4-Methyl-2-pentanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]
Acetone	ug/m^3	9.7 D	25 D	22 D	35 D	29 D	19 D	8.2 D [7.8 D]
Benzene	ug/m^3	0.58	1.2	0.84	0.88	1.0	0.84	0.94 [0.94]
Benzyl Chloride	ug/m^3	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ [0.88 UJ]
Bromodichloromethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]
Bromoform	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U [1.6 U]
Bromomethane	ug/m^3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U [0.59 U]
Carbon Disulfide	ug/m^3	0.73	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U [0.47 U]
Carbon Tetrachloride	ug/m^3	0.26 J	0.38	0.38 J	0.26	0.38 J	0.26	0.32 J [0.32 J]
Chlorobenzene	ug/m^3	0.47 J	1.5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U [0.40 U]
Chloroform	ug/m^3	4.5	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U [0.74 U]
Chloromethane	ug/m^3	0.40	0.71	0.67	0.94	0.65	0.67	0.73 [0.55]
cis-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U [0.69 U]
Cyclohexane	ug/m^3	4.9	15 D	1.5	1.4	1.8	0.52 U	0.52 U [1.6]
Dibromochloromethane	ug/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U [1.3 U]
Dichlorodifluoromethane	ug/m^3	2.2 J	2.2 J	2.0 J	2.5 J	2.1 J	1.9 J	2.1 J [1.9 J]
Ethyl acetate	ug/m^3	0.92 U	0.92 U	1.2	1.0	0.92 U	0.92 U	0.92 U [0.92 U]
Ethylbenzene	ug/m^3	1.7	1.5	0.66 U	0.66 U	1.2	0.97	0.62 J [0.44 J]
Heptane	ug/m^3	2.9	6.3	1.4	1.7	3.2	3.1	3.2 [3.2]
Hexachlorobutadiene	ug/m^3	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ [1.6 UJ]
Isopropanol	ug/m^3	180 JD	410 JD	490 JD	610 JD	290 JD	210 JD	55 JD [63 JD]
Isopropyl alcohol	ug/m^3	5.2 J	4.2 J	1.3 J	1.3 J	1.9 J	1.1 J	1.2 J [1.1 J]
m&p-Xylene	ug/m^3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U [0.55 U]
Methyl tert-butyl ether	ug/m^3	9.2 D	20 D	380 D	530 D	160 D	150 D	28 D [28 D]
Methylene Chloride	ug/m^3	0.64	1.4	0.97	1.7	1.1	1.1	0.97 [0.75]
n-Hexane	ug/m^3	-	-	-	-	-	-	-
o-Xylene	ug/m^3	2.1	2.1	0.66 U	0.44 J	1.1	0.79	0.49 J [0.49 J]
Propylene	ug/m^3	0.26 UJ	0.26 UJ	0.26 UJ	0.26 UJ	0.26 UJ	0.26 UJ	0.26 UJ [0.26 UJ]
Styrene	ug/m^3	1.8	5.2	0.65 U	0.65 U	7.2	8.6	2.7 [2.5]
Tetrachloroethene	ug/m^3	11	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]
Tetrahydrofuran	ug/m^3	0.45 UJ	0.45 UJ	5.9 J	9.2 J	0.45 UJ	0.45 UJ	0.45 UJ [0.45 UJ]
Toluene	ug/m^3	4.3	5.2	6.6	5.5 D	11 D	12 D	3.2 [3.0]
trans-1,2-Dichloroethene	ug/m^3	1.5	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]
trans-1,3-Dichloropropene	ug/m^3	0.69 UJ	0.69 UJ	0.69 UJ	0.69 UJ	0.69 UJ	0.69 UJ	0.69 UJ [0.69 UJ]
Trichloroethene	ug/m^3	3.3	0.60	0.33 J	0.55	0.60 J	0.66	0.49 J [0.60 J]
Trichlorofluoromethane	ug/m^3	1.9	1.9	1.2	1.4	1.3	1.3	1.3 [1.1]
Vinyl Acetate	ug/m^3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U [0.54 U]
Vinyl Bromide	ug/m^3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U [0.67 U]
Vinyl Chloride	ug/m^3	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U [0.39 U]

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		VMP-3D AA 01/26/11 Indoor Air	VMP-3E 01/24/11 Sub-Slab	VMP-3E AA 01/25/11 Indoor Air	VMP-4 01/25/11 Sub-Slab	VMP-4 AA 01/25/11 Indoor Air	VMP-5A 01/25/11 Sub-Slab	VMP-5A AA 01/25/11 Indoor Air
1,1,1-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,1,2-Trichloroethane	ug/m^3	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ
1,1-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m^3	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
1,2,4-Trimethylbenzene	ug/m^3	1.1	5.1	3.8	5.6 JD	9.6	2.3	2.2
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m^3	0.75 U	1.2	0.55 J	2.6	2.2	0.70 J	0.70 J
1,3-Butadiene	ug/m^3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	23 D	34 D
1,4-Dioxane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	ug/m^3	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
2-Butanone	ug/m^3	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	6.9	3.7
2-Hexanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2U	1.2 U
3-Chloropropene	ug/m^3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m^3	0.75 U	1.1	0.80	2.3	1.8	0.75 U	0.75 U
4-Methyl-2-pentanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Acetone	ug/m^3	8.9 D	6.9 D	6.5 D	9.1 D	22 D	43 D	56 D
Benzene	ug/m^3	0.91	0.94	0.88 J	1.3	1.1	1.2	1.2
Benzyl Chloride	ug/m^3	0.88 UJ	0.88 UJ	0.88 U	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ
Bromodichloromethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m^3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m^3	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	1.8	0.47 U
Carbon Tetrachloride	ug/m^3	0.32	0.38 J	0.32	0.32 J	0.38	0.26 J	0.32
Chlorobenzene	ug/m^3	0.70 U	0.70 U	0.70 U	1.2	0.98	0.70 U	0.70 U
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	ug/m^3	0.74 U	0.74 U	0.74 U	0.74 U	0.55 J	0.74 U	0.74 U
Chloromethane	ug/m^3	0.76	0.80	0.61	0.82	0.76	0.88	0.76
cis-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	1.4	0.60 U	0.60 U
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m^3	0.52 U	0.52 U	0.52 U	9.0 D	10 D	1.6	2.6
Dibromochloromethane	ug/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m^3	1.7 J	2.3 J	1.9 J	2.4 J	2.0 J	1.9 J	1.7 J
Ethyl acetate	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	7.9 D	25 D
Ethylbenzene	ug/m^3	0.53 J	0.93	0.79	0.88	0.71	0.79	0.84
Heptane	ug/m^3	3.3	12	21 D	6.8	3.9	3.0	5.0
Hexachlorobutadiene	ug/m^3	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Isopropanol	ug/m^3	51 JD	15 JD	19 JD	320 JD	180 JD	970 JD	540 JD
Isopropyl alcohol	ug/m^3	1.0 J	2.1 J	1.6 J	1.9 J	1.5 J	2.3 J	2.3 J
m&p-Xylene	ug/m^3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methyl tert-butyl ether	ug/m^3	30 D	5.9	9.7 D	20 D	23 D	190 D	120 D
Methylene Chloride	ug/m^3	0.97	1.8	1.4	1.3	1.4	1.7	1.7
n-Hexane	ug/m^3	-	-	-	-	-	-	-
o-Xylene	ug/m^3	0.53 J	0.62 J	0.66	1.1	0.93	0.66	0.62 J
Propylene	ug/m^3	0.26 UJ	0.26 UJ	0.26 UJ	0.26 UJ	0.26 UJ	0.26 UJ	0.26 UJ
Styrene	ug/m^3	2.5	1.1	2.1	4.2	3.6	0.65 U	0.65 U
Tetrachloroethene	ug/m^3	1.0 U	1.2	0.69 J	1.0 U	0.90 J	1.0 U	1.0 U
Tetrahydrofuran	ug/m^3	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	3.3 J	1.7 J
Toluene	ug/m^3	2.6	5.8	5.7	3.9	3.6	16 D	31 D
trans-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
trans-1,3-Dichloropropene	ug/m^3	0.69 UJ	0.69 UJ	0.69 UJ	0.69 UJ	0.69 UJ	0.69 UJ	0.69 UJ
Trichloroethene	ug/m^3	0.55	1.3	1.3	2.0	7.8	0.49 J	0.76
Trichlorofluoromethane	ug/m^3	1.0	1.4	1.0	2.1	1.9	1.0	1.0
Vinyl Acetate	ug/m^3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	ug/m^3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m^3	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

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Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: / Lab Sample ID: / Date Collected: / Sample Type / Field Notes:		VMP-5B 01/25/11 Sub-Slab	VMP-5B AA 01/25/11 Indoor Air	VMP-6 01/24/11 Sub-Slab	VMP-6 AA 01/24/11 Indoor Air	VMP-6A 01/24/11 Sub-Slab	VMP-6A AA 01/24/11 Indoor Air	VMP-7 01/24/11 Sub-Slab
1,1,1-Trichloroethane	ug/m3	0.83 U	0.83 U	0.83 U	0.83 U	13 D	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	ug/m3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m3	0.86 J	1.2 U	1.2 U	1.2 U	17 D	1.2 U	1.2 U
1,1,2-Trichloroethane	ug/m3	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ
1,1-Dichloroethane	ug/m3	0.62 U	0.62 U	0.62 U	0.62 U	0.49 J	0.62 U	0.62 U
1,1-Dichloroethene	ug/m3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m3	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
1,2,4-Trimethylbenzene	ug/m3	1.0	1.1	2.8	1.5	5.5	2.4	7.8
1,2-Dibromoethane	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	ug/m3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m3	0.75 U	0.50 J	0.80	0.75 U	1.4	0.60 J	1.4
1,3-Butadiene	ug/m3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	ug/m3	3.9	6.7	8.0	7.6	2.3	3.1	0.92
1,4-Dioxane	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	ug/m3	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
2-Butanone	ug/m3	0.90 U	3.1	3.1	3.0	2.3	3.4	8.6 D
2-Hexanone	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
3-Chloropropene	ug/m3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m3	0.75 U	0.75 U	0.60 J	0.75 U	0.80	0.75 U	1.2
4-Methyl-2-pentanone	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Acetone	ug/m3	19 D	43 D	31 D	28 D	19 D	23 D	23 D
Benzene	ug/m3	0.88	0.91	1.0	1.2	0.62	1.0	1.6
Benzyl Chloride	ug/m3	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ
Bromodichloromethane	ug/m3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/m3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m3	0.92	0.47 U	0.32 J	0.44 J	0.44 J	0.41 J	0.63
Carbon Tetrachloride	ug/m3	0.32 J	0.32	0.32 J	0.38	0.32 J	0.32	0.38 J
Chlorobenzene	ug/m3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	ug/m3	0.74 U	0.74 U	0.74 U	0.74 U	1.4	0.74 U	0.74 U
Chloromethane	ug/m3	0.65	0.69	0.61	0.71	0.42	0.59	0.73
cis-1,2-Dichloroethene	ug/m3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
cis-1,3-Dichloropropene	ug/m3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m3	1.1	1.6	1.8	1.5	2.9	5.8	6.8
Dibromochloromethane	ug/m3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m3	2.1 J	2.0 J	2.0 J	2.4 J	2.0 J	1.9 J	2.1 J
Ethyl acetate	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene	ug/m3	0.49 J	0.49 J	0.84	0.57 J	1.1	0.66	2.7
Heptane	ug/m3	1.1	2.0	2.6	3.4	0.62 U	2.5	3.4
Hexachlorobutadiene	ug/m3	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Isopropanol	ug/m3	460 JD	590 JD	1500 JD	1100 JD	980 JD	1400 JD	1200 JD
Isopropyl alcohol	ug/m3	1.2 J	1.1 J	2.1 J	1.3 J	3.2 J	2.0 J	8.7 J
m&p-Xylene	ug/m3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methyl tert-butyl ether	ug/m3	320 D	500 D	800 D	700 D	620 D	800 D	850 D
Methylene Chloride	ug/m3	1.2	1.3	2.0	2.7	1.8	2.6	2.5
n-Hexane	ug/m3	-	-	-	-	-	-	-
o-Xylene	ug/m3	0.66 U	0.44 J	0.75	0.57 J	1.1	0.79	3.1
Propylene	ug/m3	0.26 UJ	0.26 UJ	0.26 UJ	0.26 UJ	0.26 UJ	0.26 UJ	0.26 UJ
Styrene	ug/m3	0.65 U	0.65 U	0.56 J	0.65 U	0.87	0.74	1.4
Tetrachloroethene	ug/m3	1.0 U	1.0 U	1.0 U	1.0 U	6.8	1.0 U	1.0 U
Tetrahydrofuran	ug/m3	4.7 J	9.5 J	11	8.1 JD	23 JD	38 JD	21 JD
Toluene	ug/m3	4.1	7.5	5.8 D	6.5 D	4.9	5.5	8.3 D
trans-1,2-Dichloroethene	ug/m3	0.60 U	0.60 U	0.44 J	0.60 U	0.73	0.56 J	0.56 J
trans-1,3-Dichloropropene	ug/m3	0.69 UJ	0.69 UJ	0.69 UJ	0.69 UJ	0.69 UJ	0.69 UJ	0.69 UJ
Trichloroethene	ug/m3	0.27 J	0.38	0.49 J	1.3	4.8	0.60	0.55 J
Trichlorofluoromethane	ug/m3	1.3	1.3	1.3	1.4	1.4	1.1	1.3
Vinyl Acetate	ug/m3	0.54 U	0.54 U	0.54 U	0.54 U	2.6	4.2	5.3
Vinyl Bromide	ug/m3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m3	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U

Notes:
µg/m3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

ARCADIS

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		VMP-7 AA 01/24/11 Indoor Air	VMP-7A 01/24/11 Sub-Slab	VMP-7A AA 01/24/11 Indoor Air	VMP-1B 01/25/12 Between Kitting & Molding Storage DOC Sub-Slab	VMP-2B 01/25/12 Adjacent to Leadwire Assembly - South Sub-Slab	VMP-2C 01/25/12 Adjacent to Cable Assembly Sub-Slab	VMP-3A 01/26/12 CET Warehouse Sub-Slab	VMP-3B 01/26/12 Near Southeast Side of CET Packaging
1,1,1-Trichloroethane	ug/m3	0.83 U	70 D	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	ug/m3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m3	1.2 U	34 D	1.2 U	1.2 U	1.2 U	0.86 J	0.86 J	0.86 J
1,1,2-Trichloroethane	ug/m3	0.83 UJ	0.83 UJ	0.83 UJ	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m3	0.62 U	3.3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m3	0.60 U	3.5	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m3	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	ug/m3	1.4	10	1.1	6.6	11	14	1.9	1.2
1,2-Dibromoethane	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	ug/m3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m3	0.50 J	2.2	0.75 U	2.5	3.7	5.2	0.70 J	0.75 U
1,3-Butadiene	ug/m3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	ug/m3	3.5	0.92 U	2.9	0.73 J	0.92	1.2	11	0.92 U
1,4-Dioxane	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	ug/m3	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
2-Butanone	ug/m3	6.9	2.2	4.3	1.1	0.90 U	0.90 U	10	2.5
2-Hexanone	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
3-Chloropropene	ug/m3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m3	0.75 U	1.6	0.75 U	2.4	4.0	5.5	0.75	0.75 U
4-Methyl-2-pentanone	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.75 J	2.5	0.62 J
Acetone	ug/m3	23 D	5.1 JD	22 D	13	63 D	18 D	100 D	46 D
Benzene	ug/m3	1.1	0.49	1.0	0.49 U	0.71	0.88	1.1	1.0
Benzyl Chloride	ug/m3	0.88 UJ	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	ug/m3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/m3	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Bromomethane	ug/m3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m3	0.47 U	1.9	0.47 U	0.47 U	0.47 U	0.41 J	0.47 U	0.47 U
Carbon Tetrachloride	ug/m3	0.26	0.96 U	0.32	0.96 U	0.70 J	0.83 J	0.70 J	0.77 J
Chlorobenzene	ug/m3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	ug/m3	0.74 U	16 D	0.74 U	0.74 U	0.55 J	0.74 U	0.74 U	0.74 U
Chloromethane	ug/m3	0.69	0.31 U	0.65	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	ug/m3	0.60 U	0.48 J	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
cis-1,3-Dichloropropene	ug/m3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m3	6.3	0.66	5.3	10 DJ	10 D	8.4 DJ	8.7	5.5
Dibromochloromethane	ug/m3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m3	2.3 J	2.1 J	1.9 J	2.2	2.8	3.1	2.8	3.0
Ethyl acetate	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.5	0.92 U
Ethylbenzene	ug/m3	0.66	2.0	0.53 J	1.6	2.0	3.0	1.7	0.93
Heptane	ug/m3	2.2	0.75	2.0	9.2 DJ	2.6	4.5	5.2	3.3
Hexachlorobutadiene	ug/m3	1.6 UJ	1.6 UJ	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Isopropanol	ug/m3	1600 JD	41 JD	1200 JD	-	-	-	-	-
Isopropyl alcohol	ug/m3	1.5 J	6.9 J	1.4 J	420 EDJ	460 EDJ	420 EDJ	2,700 EDJ	330 D
m&p-Xylene	ug/m3	0.55 U	0.55 U	0.55 U	1.6	2.3	3.5	4.6	1.8
Methyl tert-butyl ether	ug/m3	970 D	35 D	1200 D	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	ug/m3	2.2	1.2	2.0	110 D	190 D	160 D	1,900 D	180 D
n-Hexane	ug/m3	-	-	-	0.82	0.54 U	0.54 U	0.54 U	0.54 U
o-Xylene	ug/m3	0.62 J	2.6	0.66 U	0.57 J	0.75	1.1	1.2	0.62 J
Propylene	ug/m3	0.26 UJ	0.26 UJ	0.26 UJ	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	ug/m3	0.87	0.91	0.56 J	2.1	3.0	5.5	5.8	1.3
Tetrachloroethene	ug/m3	1.0 U	43 D	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrahydrofuran	ug/m3	31 JD	5.4 J	95 JD	3.9	6.6	8.4	58 D	5.4
Toluene	ug/m3	6.4	8.4 D	6.5	1.6	2.2	2.5	6.8	9.2 DJ
trans-1,2-Dichloroethene	ug/m3	0.60	1.1	0.60 U	5.4	6.0	8.1	3.2	0.60 U
trans-1,3-Dichloropropene	ug/m3	0.69 UJ	0.69 UJ	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m3	0.55	350 D	0.44	0.82 U	1.2	0.82 U	0.66 J	0.82 U
Trichlorofluoromethane	ug/m3	1.4	1.2	1.3	35 D	64 D	50 D	9.7	140 D
Vinyl Acetate	ug/m3	5.7	0.54 U	3.9	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	ug/m3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m3	0.10 U	0.39 U	0.10 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U

Notes:
µg/m3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: / Lab Sample ID: / Date Collected: / Sample Type / Field Notes:		VMP-3D 01/26/12 Near Southwest Side of Mold Storage Sub-Slab	VMP-3E 01/26/12 Mold Storage Sub-Slab	VMP-4 01/25/12 Southeast Side of Mold Storage Sub-Slab	VMP-5A 01/26/12 Northwest Utica National Sub-Sla	VMP-5B 01/26/12 CET Warehouse Sub-Slab	VMP-6 01/26/12 Northeast Utica National Sub-Slab	VMP-6A 01/26/12 Central Utica National Sub-Slab	VMP-7 01/26/12 Between Kitting & Molding Storage DOC Sub-Slab	VMP-7A 02/07/12 Southwest Utica National Sub-Slab	VMP-1B 01/25/12 Between Kitting & Molding Storage DOC Indoor Air
1,1,1-Trichloroethane	ug/m^3	0.83 U [0.83 U]	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	44 D	0.83 U	19 D	0.83 U
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 U [1.0 U]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	1.2 U [0.78 J]	0.86 J	1.2 U	1.1 J	1.2	1.2 U	53	0.78 J	8.9	1.2 U
1,1,2-Trichloroethane	ug/m^3	0.83 U [0.83 U]	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m^3	0.62 U [0.62 U]	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	1.2	0.62 U	1.3	0.62 U
1,1-Dichloroethene	ug/m^3	0.60 U [0.60 U]	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m^3	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	ug/m^3	0.80 [1.3]	1.4	7.9	1.3	1.4 J	1.7	1.9 J	1.9 J	2.9	8.5 D
1,2-Dibromoethane	ug/m^3	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m^3	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	ug/m^3	0.62 U [0.62 U]	0.74	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m^3	0.70 U [0.70 U]	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m^3	0.75 U [0.60 J]	0.75 U	3.6	0.90	0.70 J	0.95	0.75 U	1.0 J	1.1	5.5
1,3-Butadiene	ug/m^3	0.34 U [0.34 U]	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m^3	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	ug/m^3	0.92 U [0.79 J]	0.92 U	0.67 J	9.5	16 J	6.9	0.92 U	0.92 U	0.92 U	1.1
1,4-Dioxane	ug/m^3	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	ug/m^3	0.71 U [0.71 U]	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1.7	0.71 U
2-Butanone	ug/m^3	1.3 [2.2]	50	6.2	3.7	3.3	4.2	55	23	4.5	1.4
2-Hexanone	ug/m^3	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
3-Chloropropene	ug/m^3	0.48 U [0.48 U]	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m^3	0.75 U [0.75 U]	0.75 U	4.5	0.75 U	0.50 J	0.75	0.75 U	1.1 J	0.80	5.6
4-Methyl-2-pentanone	ug/m^3	1.2 U [1.2 U]	3.7	3.9	3.9	1.7	1.2 U	7.5	5.4	1.2 U	1.2 U
Acetone	ug/m^3	33 D [24 D]	17 D	28 D	62 D	37 D	82 D	99 D	24 D	28 D	24 D
Benzene	ug/m^3	0.71 [1.1]	1.4	0.55	0.88	0.91	0.88	1.4	1.2 J	1.2	0.88
Benzyl Chloride	ug/m^3	0.88 U [0.88 U]	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	ug/m^3	1.0 U [1.0 U]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/m^3	1.6 UJ [1.6 UJ]	1.6 UJ	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m^3	0.59 U [0.59 U]	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m^3	0.47 U [0.47 U]	0.85	0.47 U	0.47 U	0.47 U	0.47 U	19 D	0.47 U	4.2	0.47 U
Carbon Tetrachloride	ug/m^3	0.96 U [0.77 J]	0.77 J	0.96 U	0.70 J	0.96 U	0.77 J	0.83 J	0.70 J	0.96 U	0.77
Chlorobenzene	ug/m^3	0.70 U [0.70 U]	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m^3	0.40 U [0.40 U]	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	ug/m^3	0.74 U [0.74 U]	1.6	0.74 U	0.74 U	0.74 U	0.74 U	3.3	0.74 U	2.5	0.74 U
Chloromethane	ug/m^3	0.31 U [0.31 U]	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	ug/m^3	0.60 U [0.60 U]	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
cis-1,3-Dichloropropene	ug/m^3	0.69 U [0.69 U]	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m^3	1.8 [3.3]	5.2	15 D	20 D	4.7	13 D	13 D	17 DJ	9.1 D	20 D
Dibromochloromethane	ug/m^3	1.3 U [1.3 U]	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m^3	1.8 [2.9]	3.0	2.1	2.6	2.3	2.6	3.1	2.5	2.4	3.2
Ethyl acetate	ug/m^3	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.9	0.92 U
Ethylbenzene	ug/m^3	0.44 J [0.79]	3.4	2.1	1.7	1.1 J	1.7	4.6 J	3.6 J	2.6	3.0
Heptane	ug/m^3	2.3 [3.7]	0.62 U	3.0	4.1	3.1	4.5	0.62 U	5.6 J	2.8	8.3 D
Hexachlorobutadiene	ug/m^3	1.6 U [1.6 U]	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Isopropanol	ug/m^3	-	-	-	-	-	-	-	-	-	-
Isopropyl alcohol	ug/m^3	490 EDJ [220 EDJ]	98 D	190 EDJ	6,900 EDJ	1,300 D	2,100 EDJ	1,700 EDJ	710 D	44 D	980 EDJ
m&p-Xylene	ug/m^3	1.0 J [1.8]	7.3	2.2	3.5	3.0 J	3.8	11 J	8.6 J	5.2	2.1
Methyl tert-butyl ether	ug/m^3	0.55 U [0.55 U]	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	ug/m^3	120 D [74 D]	77 D	310 D	3,000 D	690 D	2,500 D	1,900 D	2,100 D	43 D	320 D
n-Hexane	ug/m^3	0.64 [0.54 U]	0.54 U	0.54 U	1.8	0.54 U	0.54 U	7.2	0.54 U	10 D	0.54 U
o-Xylene	ug/m^3	0.66 U [0.57 J]	1.5	0.75	0.88	0.71 J	0.88	2.4 J	1.9 J	3.0	0.71
Propylene	ug/m^3	0.26 U [0.26 U]	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	ug/m^3	0.78 [1.4]	11	3.0	1.3	0.74 J	1.6	15 DJ	9.7 J	6.8	3.9
Tetrachloroethene	ug/m^3	1.0 U [0.97 J]	4.2	1.0 U	1.0 U	1.0 U	1.0 U	8.7 J	0.83 J	1.4	1.0 U
Tetrahydrofuran	ug/m^3	0.45 UJ [3.6 J]	4.7	7.1	21 D	19	40 D	73 D	21 D	4.7	9.0 D
Toluene	ug/m^3	2.5 [5.3]	8.4 DJ	1.9	6.7	4.8 J	7.7	16 DJ	11 DJ	10 D	2.7
trans-1,2-Dichloroethene	ug/m^3	0.60 U [0.60 U]	2.4	8.7	2.0	2.3	0.60 U	2.2	0.60 U	2.3	7.9
trans-1,3-Dichloropropene	ug/m^3	0.69 U [0.69 U]	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m^3	0.82 U [1.3]	0.93	0.82 U	0.82 U	0.82 U	0.76 J	51 D	0.82 U	26 D	0.22 U
Trichlorofluoromethane	ug/m^3	220 D [170 D]	140 D	88 D	37 D	6.9	40 D	47 D	53 D	2.1	62 D
Vinyl Acetate	ug/m^3	0.54 U [0.54 U]	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	ug/m^3	0.67 U [0.67 U]	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m^3	0.39 U [0.39 U]	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.10 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		VMP-2B 01/25/12 Adjacent to Leadwire Assembly - South Indoor Air	VMP-2C 01/25/12 Adjacent to Cable Assembly Indoor Air	VMP-3A 01/26/12 CET Warehouse Indoor Air	VMP-3B 01/26/12 Near Southeast Side of CET Packaging Area Indoor Air	VMP-3D 01/26/12 Near Southwest Side of Mold Storage Indoor Air	VMP-3E 01/26/12 Mold Storage Indoor Air	VMP-4 01/25/12 Southeast Side of Mold Storage Indoor Air	VMP-5A 01/26/12 Northwest Utica National Indoor Air	VMP-5B 01/26/12 CET Warehouse Indoor Air	VMP-6 01/26/12 Northeast Utica National Indoor Air
1,1,1-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 U [0.83 U]	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	1.2 U	1.2 U	1.1 J	0.78 J [0.93 J]	0.86 J	1.2 U	1.2 U	0.93 J	1.0 J	0.78 J
1,1,2-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U	0.83 U [0.83 U]	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	ug/m^3	14	16	1.8	1.5 [1.0]	1.0	1.7	9.5 D	1.7	2.1	1.8
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m^3	4.9	5.7	1.0	0.75 U [0.75 U]	0.75 U	0.55 J	6.5	0.55 J	1.0	0.70 J
1,3-Butadiene	ug/m^3	0.34 U	0.34 U	0.34 U	0.34 U [0.34 U]	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	ug/m^3	1.0	0.79 J	17 D	0.67 J [0.67 J]	0.92 U	0.92 U	1.2	11	24 D	7.4
1,4-Dioxane	ug/m^3	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	ug/m^3	0.71 U	0.71 U	0.71 U	0.71 U [0.71 U]	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
2-Butanone	ug/m^3	0.96	0.90 U	4.0	0.90 U [1.2]	0.90 U	0.90 U	0.90 U	4.2	4.0	3.4
2-Hexanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
3-Chloropropene	ug/m^3	0.48 U	0.48 U	0.48 U	0.48 U [0.48 U]	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m^3	4.9	5.7	0.80	0.75 U [0.75 U]	0.75 U	0.75 U	7.2	0.60 J	0.65 J	0.65 J
4-Methyl-2-pentanone	ug/m^3	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Acetone	ug/m^3	25 D	28 D	59 D	17 D [30 D]	24 D	24 D	19 D	100 D	150 D	180 D
Benzene	ug/m^3	0.84	0.81	0.97	1.1 [1.1]	1.2	1.0	0.81	1.0	1.1	1.0
Benzyl Chloride	ug/m^3	0.88 U	0.88 U	0.88 U	0.88 U [0.88 U]	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U [1.6 U]	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m^3	0.59 U	0.59 U	0.59 U	0.59 U [0.59 U]	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m^3	0.47 U	0.47 U	0.47 U	0.47 U [0.47 U]	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Carbon Tetrachloride	ug/m^3	0.64	0.70	0.70	0.64 [0.77]	0.70	0.70	0.70	0.77	0.77	0.70
Chlorobenzene	ug/m^3	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U	0.40 U [0.40 U]	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	ug/m^3	0.74 U	0.74 U	0.74 U	0.74 U [0.74 U]	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U
Chloromethane	ug/m^3	0.31 U	0.31 U	0.31 U	0.31 U [0.31 U]	1.1	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U [0.69 U]	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m^3	10 D	12 D	7.7	4.7 [4.3]	3.4	5.3	13 D	18	7.7 D	8.4 D
Dibromochloromethane	ug/m^3	1.3 U	1.3 U	1.3 U	1.3 U [1.3 U]	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m^3	3.0	3.2	3.0	2.8 [2.9]	2.8	3.0	2.9	3.0	2.8	2.8
Ethyl acetate	ug/m^3	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	1.9	0.92 U	0.92 U
Ethylbenzene	ug/m^3	2.5	2.5	1.0	0.66 [0.57 J]	0.57 J	0.53 J	2.9	1.9	1.1	1.9
Heptane	ug/m^3	3.5	3.6	6.1	3.3 [3.4]	3.5	14	5.6	6.9	6.2	5.3
Hexachlorobutadiene	ug/m^3	1.6 U	1.6 U	1.6 U	1.6 U [1.6 U]	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Isopropanol	ug/m^3	-	-	-	-	-	-	-	-	-	-
Isopropyl alcohol	ug/m^3	370 EDJ	390 EDJ	1,100 DJ	260 EDJ [390 EDJ]	260 EDJ	630 EDJ	680 EDJ	3,500 EDJ	3,100 DJ	7,700 EDJ
m&p-Xylene	ug/m^3	2.6	2.9	2.4	1.3 [1.2 J]	1.3 J	1.0 J	2.5	3.8	2.7	4.3
Methyl tert-butyl ether	ug/m^3	0.55 U	0.55 U	0.55 U	0.55 U [0.55 U]	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	ug/m^3	120 D	130 D	790 D	130 D [180 D]	66 D	37 D	220 D	3,100 D	2,100 D	9,500 D
n-Hexane	ug/m^3	0.54 U	0.54 U	2.1	1.3 [0.54 U]	0.54 U	2.0	0.97	0.54 U	2.2	0.54 U
o-Xylene	ug/m^3	0.88	0.97	0.71	0.66 U [0.66 U]	0.49 J	0.66 U	0.88	0.93	0.79	1.1
Propylene	ug/m^3	0.26 U	0.26 U	0.26 U	0.26 U [0.26 U]	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	ug/m^3	3.8	3.9	0.65 U	0.69 [0.74]	0.74	0.43 J	4.1	0.65 U	0.65 U	0.65 U
Tetrachloroethene	ug/m^3	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrahydrofuran	ug/m^3	11	10	30 D	4.7 [4.0]	1.5	0.45 U	14	52 D	39 D	180 D
Toluene	ug/m^3	2.3	2.4	7.2	6.5 [6.0]	4.2	2.8	2.6	9.2 DJ	8.8 D	8.4
trans-1,2-Dichloroethene	ug/m^3	11	13	3.9	0.60 U [0.60 U]	0.60 U	0.60 U	6.4 D	0.60 U	3.7	0.60 U
trans-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U	0.69 U [0.69 U]	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m^3	0.22 U	0.22 U	0.22 U	0.22 U [0.33]	0.71	0.38	0.22 U	0.22 U	0.60	0.44
Trichlorofluoromethane	ug/m^3	56 D	62 D	8.9	95 D [150 D]	130 D	460 D	58 D	30 D	11	25 D
Vinyl Acetate	ug/m^3	0.54 U	0.54 U	0.54 U	0.54 U [0.54 U]	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	ug/m^3	0.67 U	0.67 U	0.67 U	0.67 U [0.67 U]	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m^3	0.10 U	0.10 U	0.10 U	0.10 U [0.10 U]	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

Table A-1. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results,
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Lab Sample ID: Date Collected: Sample Type Field Notes:		VMP-6A 01/26/12 Central Utica National Indoor Air	VMP-7 01/26/12 Between Kitting & Molding Storage DOC Indoor Air	VMP-7A 02/07/12 Southwest Utica National Indoor Air
1,1,1-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	ug/m^3	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m^3	1.2 U	0.93 J	1.2 U
1,1,2-Trichloroethane	ug/m^3	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	ug/m^3	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	ug/m^3	2.7	2.7	1.7
1,2-Dibromoethane	ug/m^3	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m^3	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	ug/m^3	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	ug/m^3	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	ug/m^3	1.4	1.2	0.85
1,3-Butadiene	ug/m^3	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	ug/m^3	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	ug/m^3	7.5	7.0	9.8
1,4-Dioxane	ug/m^3	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	ug/m^3	0.71 U	0.71 U	0.71 U
2-Butanone	ug/m^3	3.7	3.7	0.90 U
2-Hexanone	ug/m^3	1.2 U	1.2 U	1.2 U
3-Chloropropene	ug/m^3	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	ug/m^3	1.1	1.0	0.70 J
4-Methyl-2-pentanone	ug/m^3	1.2 U	1.2 U	0.71 J
Acetone	ug/m^3	210 D	130 D	94 D
Benzene	ug/m^3	1.0	1.1	0.71
Benzyl Chloride	ug/m^3	0.88 U	0.88 U	0.88 U
Bromodichloromethane	ug/m^3	1.0 U	1.0 U	1.0 U
Bromoform	ug/m^3	1.6 U	1.6 U	1.6 U
Bromomethane	ug/m^3	0.59 U	0.59 U	0.59 U
Carbon Disulfide	ug/m^3	0.47 U	0.47 U	0.47 U
Carbon Tetrachloride	ug/m^3	0.77	0.77	0.26 U
Chlorobenzene	ug/m^3	0.70 U	0.70 U	0.70 U
Chloroethane	ug/m^3	0.40 U	0.40 U	0.40 U
Chloroform	ug/m^3	0.74 U	0.74 U	0.74 U
Chloromethane	ug/m^3	0.31 U	0.31 U	0.94
cis-1,2-Dichloroethene	ug/m^3	0.60 U	0.60 U	0.60 U
cis-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U
Cyclohexane	ug/m^3	17 D	15 D	15 D
Dibromochloromethane	ug/m^3	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	ug/m^3	3.0	3.1	2.3
Ethyl acetate	ug/m^3	0.92 U	0.92 U	2.1
Ethylbenzene	ug/m^3	3.2	3.1	1.8
Heptane	ug/m^3	5.4	5.8	2.2
Hexachlorobutadiene	ug/m^3	1.6 U	1.6 U	1.6 U
Isopropanol	ug/m^3	-	-	-
Isopropyl alcohol	ug/m^3	5,600 EDJ	3,700 DJ	1,900 D
m&p-Xylene	ug/m^3	7.8	7.8	2.3
Methyl tert-butyl ether	ug/m^3	0.55 U	0.55 U	0.55 U
Methylene Chloride	ug/m^3	4,400 D	2,500 D	1,400 D
n-Hexane	ug/m^3	0.54 U	0.54 U	5.3
o-Xylene	ug/m^3	1.8	1.7	0.66
Propylene	ug/m^3	0.26 U	0.26 U	0.26 U
Styrene	ug/m^3	0.65 U	0.65 U	1.7
Tetrachloroethene	ug/m^3	1.0 U	1.0 U	1.0 U
Tetrahydrofuran	ug/m^3	250 D	150 D	140 D
Toluene	ug/m^3	8.4 D	8.5	6.2
trans-1,2-Dichloroethene	ug/m^3	2.1	2.1	11
trans-1,3-Dichloropropene	ug/m^3	0.69 U	0.69 U	0.69 U
Trichloroethene	ug/m^3	0.44	0.22 U	0.71
Trichlorofluoromethane	ug/m^3	51 D	42 D	2.1
Vinyl Acetate	ug/m^3	0.54 U	0.54 U	0.54 U
Vinyl Bromide	ug/m^3	0.67 U	0.67 U	0.67 U
Vinyl Chloride	ug/m^3	0.10 U	0.10 U	0.10 U

Notes:
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
D = Concentration is based on a diluted sample analysis.
E = Concentration exceeded calibrated range.
J = Analyte detected at or below quantitation limits.
U = Not detected at the reporting limit.

ARCADIS

Table A-2. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results, January 2013
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: / Date Collected: / Area:	Units	SS-VMP-1B 01/24/13 Between Kitting & Molding Storage DOC	SS-VMP-2B 01/24/13 Adjacent to Leadwire Assembly - South	SS-VMP-2C 01/24/13 Adjacent to Cable Assembly	SS-VMP-3A 01/23/13 CET Warehouse	SS-VMP-3B 01/24/13 Near Southeast Side of CET Packaging Area
1,1,1-Trichloroethane	µg/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**1.2**	1.2 U	1.2 U	**1.0 J**	**1.1 J**
1,1,2-Trichloroethane	µg/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	µg/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	µg/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	µg/m^3	1.1 U	1.1 U	1.1 U	R	1.1 U
1,2,4-Trimethylbenzene	µg/m^3	**1.1**	**0.55 J**	**1.0 J**	**2.9**	**1.8**
1,2-Dibromoethane	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	µg/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	µg/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	µg/m^3	0.75 U	0.75 U	**0.50 J**	**0.95 J**	**0.65 J**
1,3-Butadiene	µg/m^3	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 U
1,3-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dioxane	µg/m^3	1.1 UJ	1.1 UJ	1.1 UJ	R	1.1 UJ
2,2,4-Trimethylpentane	µg/m^3	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
2-Butanone	µg/m^3	**0.84 J**	**1.0 J**	**1.8 J**	**2.5 J**	**1.0 J**
2-Hexanone	µg/m^3	1.2 U	1.2 U	1.2 U	R	1.2 U
3-Chloropropene	µg/m^3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	µg/m^3	0.75 U	0.75 U	0.75 U	**0.85**	0.75 U
4-Methyl-2-pentanone	µg/m^3	1.2 U	1.2 U	1.2 U	R	1.2 U
Acetone	µg/m^3	**17 D**	**19 D**	**18 D**	**29 D**	**17 D**
Benzene	µg/m^3	**1.3**	**1.1**	**0.84**	**1.3**	**1.7**
Benzyl Chloride	µg/m^3	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	µg/m^3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	µg/m^3	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Carbon Tetrachloride	µg/m^3	**0.70 J**	**0.70**	**0.64 J**	**0.70 J**	**0.77 J**
Chlorobenzene	µg/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	µg/m^3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	µg/m^3	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U
Chloromethane	µg/m^3	**1.2**	**1.2**	**1.1**	**1.4 J**	**1.3**
cis-1,2-Dichloroethene	µg/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
cis-1,3-Dichloropropene	µg/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	µg/m^3	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Dibromochloromethane	µg/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	µg/m^3	**2.7**	**3.0**	**2.8**	**3.2**	**2.8**
Ethyl acetate	µg/m^3	0.92 U	**0.44 J**	0.92 U	**1.8 J**	**0.40 J**
Ethylbenzene	µg/m^3	**0.79**	**0.49 J**	**0.66 J**	**1.6**	**0.88**
Heptane	µg/m^3	**0.58 J**	**0.79**	**0.87**	**5.2**	**1.0**
Hexachlorobutadiene	µg/m^3	1.6 U	1.6 U	1.6 U	R	1.6 U
Isopropyl alcohol	µg/m^3	**190 DJ**	**270 DJ**	**310 DJ**	**790 D**	**250 DJ**
m&p-Xylene	µg/m^3	**1.6**	**0.88 J**	**1.6 J**	**5.9**	**2.3**
Methyl tert-butyl ether	µg/m^3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	µg/m^3	**42 D**	**32 D**	**30 D**	**3,300 D**	**190 D**
n-Hexane	µg/m^3	0.54 UJ	0.54 UJ	0.54 UJ	**5.1 J**	**0.57 J**
o-Xylene	µg/m^3	**0.57 J**	0.66 U	**0.66 J**	**1.9**	**0.75**
Propylene	µg/m^3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	µg/m^3	**2.6**	**1.9**	**1.8 J**	**0.61 J**	**1.4**

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Table A-2. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results, January 2013
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: / Date Collected: / Area:	Units	SS-VMP-1B 01/24/13 Between Kitting & Molding Storage DOC	SS-VMP-2B 01/24/13 Adjacent to Leadwire Assembly - South	SS-VMP-2C 01/24/13 Adjacent to Cable Assembly	SS-VMP-3A 01/23/13 CET Warehouse	SS-VMP-3B 01/24/13 Near Southeast Side of CET Packaging Area
Tetrachloroethene	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrahydrofuran	µg/m^3	**0.75**	**0.66**	**0.66**	**1.9 J**	**0.87**
Toluene	µg/m^3	**2.1**	**1.5**	**1.6 J**	**6.9 D**	**2.3**
trans-1,2-Dichloroethene	µg/m^3	**2.4 J**	**3.2 J**	**2.7 J**	**1.4**	**2.9 J**
trans-1,3-Dichloropropene	µg/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	µg/m^3	0.82 U	**0.33**	0.82 U	**1.7**	0.82 U
Trichlorofluoromethane	µg/m^3	**44 D**	**25 D**	**27 D**	**5.2**	**9.1**
Vinyl Acetate	µg/m^3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	µg/m^3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	µg/m^3	0.39 U	0.10 U	0.39 U	0.39 U	0.39 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

J = Analyte detected at or below quantitation limits and/or estimated value.

U = Not detected at the reporting limit.

R = Data rejected as part of validation.

D = Diluted concentration reported.

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Table A-2. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results, January 2013
Former Lockheed Martin French Road Facility, Utica, New York

Location ID:	Units	SS-VMP-3D	SS-VMP-3E	SS-VMP-4	SS-VMP-5A	SS-VMP-5B	SS-VMP-6
Date Collected:		01/24/13	01/24/13	01/24/13	01/23/13	01/23/13	01/24/13
Area:		Near Southwest Side of Mold Storage	Mold Storage	Southeast Side of Mold Storage	Northwest Utica National	CET Warehouse	Northeast Utica National
1,1,1-Trichloroethane	µg/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U [0.83 U]
1,1,2,2-Tetrachloroethane	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**1.1 J**	1.2 U	1.2 U	**1.0 J**	**1.2**	1.2 U [1.2 U]
1,1,2-Trichloroethane	µg/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U [0.83 U]
1,1-Dichloroethane	µg/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]
1,1-Dichloroethene	µg/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]
1,2,4-Trichlorobenzene	µg/m^3	1.1 U	1.1 U	1.1 U	R	R	1.1 U [1.1 U]
1,2,4-Trimethylbenzene	µg/m^3	**0.80**	**0.60 J**	**0.80**	**2.4**	**2.7**	**2.1 [1.7 J]**
1,2-Dibromoethane	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]
1,2-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]
1,2-Dichloroethane	µg/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]
1,2-Dichloropropane	µg/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]
1,3,5-Trimethylbenzene	µg/m^3	0.75 U	0.75 U	0.75 U	**0.90 J**	**1.2 J**	**0.70 J [0.65 J]**
1,3-Butadiene	µg/m^3	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 UJ	0.34 U [0.34 U]
1,3-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]
1,4-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]
1,4-Dioxane	µg/m^3	1.1 UJ	1.1 UJ	1.1 UJ	R	R	1.1 UJ [1.1 UJ]
2,2,4-Trimethylpentane	µg/m^3	0.71 U	0.71 U	0.71 U	**0.85**	0.71 U	0.71 U [0.71 U]
2-Butanone	µg/m^3	**0.84 J**	**1.0 J**	**4.0 J**	**2.4 J**	**2.5 J**	**2.3 J [2.4 J]**
2-Hexanone	µg/m^3	1.2 U	1.2 U	1.2 U	R	R	1.2 U [1.2 U]
3-Chloropropene	µg/m^3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U [0.48 U]
4-Ethyltoluene	µg/m^3	0.75 U	0.75 U	0.75 U	**0.75 J**	**1.2 J**	**0.65 J [0.55 J]**
4-Methyl-2-pentanone	µg/m^3	1.2 U	1.2 U	1.2 U	R	R	**1.2 U [0.54 J]**
Acetone	µg/m^3	**15 D**	**8.5 D**	**26 D**	**35 D**	**33 D**	**50 D [45 D]**
Benzene	µg/m^3	**1.8**	**2.0**	**1.1**	**3.3**	**2.0**	**1.3 [1.3]**
Benzyl Chloride	µg/m^3	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U [0.88 U]
Bromodichloromethane	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]
Bromoform	µg/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U [1.6 U]
Bromomethane	µg/m^3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U [0.59 U]
Carbon Disulfide	µg/m^3	0.47 U	0.47 U	0.47 U	0.47 U	**0.47**	0.47 U [0.47 U]
Carbon Tetrachloride	µg/m^3	**0.83 J**	**0.64 J**	**0.64 J**	**0.77 J**	**0.70 J**	**0.64 J [0.64 J]**
Chlorobenzene	µg/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]
Chloroethane	µg/m^3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U [0.40 U]
Chloroform	µg/m^3	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U [0.74 U]
Chloromethane	µg/m^3	**1.3**	**1.0**	**1.2**	**1.5 J**	**1.5 J**	**1.4 [1.4]**
cis-1,2-Dichloroethene	µg/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]
cis-1,3-Dichloropropene	µg/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U [0.69 U]
Cyclohexane	µg/m^3	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U [0.52 U]
Dibromochloromethane	µg/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U [1.3 U]
Dichlorodifluoromethane	µg/m^3	**2.8**	**2.6**	**2.9**	**3.5**	**3.3**	**2.8 [2.8]**
Ethyl acetate	µg/m^3	0.92 U	0.92 U	**0.55 J**	**3.6 J**	**2.7 J**	**1.0 [0.84 J]**
Ethylbenzene	µg/m^3	**0.62 J**	**0.71**	**0.88**	**2.2**	**3.7**	**0.66 [0.75 J]**
Heptane	µg/m^3	**1.1**	**0.46 J**	**0.67**	**5.7**	**5.3**	**5.9 [5.8]**
Hexachlorobutadiene	µg/m^3	1.6 U	1.6 U	1.6 U	R	R	1.6 U [1.6 U]
Isopropyl alcohol	µg/m^3	**330 DJ**	**37 D**	**970 DJ**	**890 DJ**	**1,200 DJ**	**,000 DJ [2,800 DJ**
m&p-Xylene	µg/m^3	**1.1 J**	**1.3**	**1.3**	**7.7**	**8.8 D**	**1.4 [1.5 J]**
Methyl tert-butyl ether	µg/m^3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U [0.55 U]
Methylene Chloride	µg/m^3	**250 D**	**25 D**	**49 D**	**3,900 D**	**4,100 D**	**3,600 D [2,300 D]**
n-Hexane	µg/m^3	**0.39 J**	**0.39 J**	0.54 UJ	**5.8 J**	**5.0 J**	**1.3 J [1.2 J]**
o-Xylene	µg/m^3	**0.49 J**	0.66 U	**0.53 J**	**2.3**	**3.6**	**0.53 J [0.62 J]**
Propylene	µg/m^3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U [0.26 U]
Styrene	µg/m^3	**1.5**	**0.74**	**2.7**	**0.82**	**0.69**	**0.56 J [0.69 J]**

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Table A-2. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results, January 2013
Former Lockheed Martin French Road Facility, Utica, New York

Location ID:	Units	SS-VMP-3D	SS-VMP-3E	SS-VMP-4	SS-VMP-5A	SS-VMP-5B	SS-VMP-6
Date Collected:		01/24/13	01/24/13	01/24/13	01/23/13	01/23/13	01/24/13
Area:		Near Southwest Side of Mold Storage	Mold Storage	Southeast Side of Mold Storage	Northwest Utica National	CET Warehouse	Northeast Utica National
Tetrachloroethene	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	**0.97 J**	1.0 U [1.0 U]
Tetrahydrofuran	µg/m^3	**0.45**	0.45 U	**1.3**	**1.8 J**	**1.3 J**	**28 D [23 D]**
Toluene	µg/m^3	**2.2**	**1.9**	**2.5**	**15 D**	**17 D**	**3.0 [3.5 J]**
trans-1,2-Dichloroethene	µg/m^3	**1.0 J**	0.60 UJ	**11 DJ**	**1.5**	**1.1**	**62 DJ [54 DJ]**
trans-1,3-Dichloropropene	µg/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U [0.69 U]
Trichloroethene	µg/m^3	0.82 U	0.82 U	0.82 U	**1.6**	**1.5**	0.82 U [0.82 U]
Trichlorofluoromethane	µg/m^3	**12**	**33 D**	**27 D**	**6.2**	**4.6**	**3.0 [2.7]**
Vinyl Acetate	µg/m^3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U [0.54 U]
Vinyl Bromide	µg/m^3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U [0.67 U]
Vinyl Chloride	µg/m^3	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U [0.39 U]

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

J = Analyte detected at or below quantitation limits and/or estimated value.

U = Not detected at the reporting limit.

R = Data rejected as part of validation.

D = Diluted concentration reported.

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Table A-2. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results, January 2013
Former Lockheed Martin French Road Facility, Utica, New York

Location ID:	Units	SS-VMP-6A	SS-VMP-6B	SS-VMP-7	SS-VMP-7A
Date Collected:		01/23/13	01/24/13	01/23/13	01/23/13
Area:		Central Utica National	Central Utica National	Between Kitting & Molding Storage DOC	Southwest Utica National
1,1,1-Trichloroethane	µg/m^3	0.83 U	0.83 U	0.83 U	**25 D**
1,1,2,2-Tetrachloroethane	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**0.93 J**	1.2 U	**0.86 J**	**11**
1,1,2-Trichloroethane	µg/m^3	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	µg/m^3	0.62 U	0.62 U	0.62 U	**0.91**
1,1-Dichloroethene	µg/m^3	0.60 U	0.60 U	0.60 U	**0.89**
1,2,4-Trichlorobenzene	µg/m^3	R	1.1 U	R	R
1,2,4-Trimethylbenzene	µg/m^3	**2.8**	**1.5 J**	**2.5**	**2.2**
1,2-Dibromoethane	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	µg/m^3	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	µg/m^3	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	µg/m^3	**0.95 J**	**0.85 J**	**0.85 J**	**0.90**
1,3-Butadiene	µg/m^3	0.34 UJ	0.34 U	0.34 UJ	0.34 U
1,3-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dioxane	µg/m^3	R	1.1 UJ	R	1.1 UJ
2,2,4-Trimethylpentane	µg/m^3	**0.90**	0.71 U	**0.76**	**1.4**
2-Butanone	µg/m^3	**3.2 J**	**2.9 J**	**2.8 J**	**1.9 J**
2-Hexanone	µg/m^3	R	1.2 U	R	1.2 U
3-Chloropropene	µg/m^3	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	µg/m^3	**0.95 J**	**0.65 J**	**0.95 J**	**0.75 J**
4-Methyl-2-pentanone	µg/m^3	**R**	1.2 U	**R**	**1.8**
Acetone	µg/m^3	**41 D**	**35 D**	**39 D**	**26 D**
Benzene	µg/m^3	**4.6**	**1.4**	**3.9**	**7.5 D**
Benzyl Chloride	µg/m^3	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/m^3	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	µg/m^3	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	µg/m^3	**0.41 J**	0.47 U	**2.7**	**2.0**
Carbon Tetrachloride	µg/m^3	**0.70 J**	**0.64 J**	**0.70 J**	**0.70 J**
Chlorobenzene	µg/m^3	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	µg/m^3	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	µg/m^3	0.74 U	**0.69 J**	0.74 U	**1.1**
Chloromethane	µg/m^3	**1.5 J**	**1.4**	**1.6 J**	**0.76**
cis-1,2-Dichloroethene	µg/m^3	0.60 U	0.60 U	0.60 U	0.60 U
cis-1,3-Dichloropropene	µg/m^3	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	µg/m^3	0.52 U	0.52 U	0.52 U	0.52 U
Dibromochloromethane	µg/m^3	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	µg/m^3	**3.7**	**2.9**	**3.6**	**3.1**
Ethyl acetate	µg/m^3	**5.1 J**	**1.1**	**3.8 J**	**6.2 DJ**
Ethylbenzene	µg/m^3	**6.0**	**0.79 J**	**7.0**	**6.6**
Heptane	µg/m^3	**7.6**	**5.4**	**5.5**	**5.9**
Hexachlorobutadiene	µg/m^3	R	1.6 U	R	1.6 U
Isopropyl alcohol	µg/m^3	**1,700 DJ**	**2,700 DJ**	**1,900 DJ**	**1,100 DJ**
m&p-Xylene	µg/m^3	**9.3 DJ**	**1.6 J**	**13 DJ**	**9.7 DJ**
Methyl tert-butyl ether	µg/m^3	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	µg/m^3	**4,400 D**	**1,300 D**	**3,800 D**	**860 D**
n-Hexane	µg/m^3	**5.0 DJ**	**1.0 J**	**5.7 J**	**3.3 J**
o-Xylene	µg/m^3	**4.1**	**0.53 J**	**4.8**	**4.1**
Propylene	µg/m^3	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	µg/m^3	**1.1**	**1.3 J**	**1.1**	**0.95**

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Table A-2. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results, January 2013
Former Lockheed Martin French Road Facility, Utica, New York

Location ID:	Units	SS-VMP-6A	SS-VMP-6B	SS-VMP-7	SS-VMP-7A
Date Collected:		01/23/13	01/24/13	01/23/13	01/23/13
Area:		Central Utica National	Central Utica National	Between Kitting & Molding Storage DOC	Southwest Utica National
Tetrachloroethene	µg/m^3	**0.97 J**	1.0 U	**0.90 J**	**2.3**
Tetrahydrofuran	µg/m^3	**3.1 J**	**6.6 DJ**	**4.0 J**	**1.1**
Toluene	µg/m^3	**38 D**	**3.7 J**	**37 D**	**48 D**
trans-1,2-Dichloroethene	µg/m^3	**1.4**	**36 DJ**	**4.5**	**1.8 J**
trans-1,3-Dichloropropene	µg/m^3	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	µg/m^3	**1.2**	0.82 U	**1.2**	**26 D**
Trichlorofluoromethane	µg/m^3	**6.1**	**3.3**	**7.3**	**5.5**
Vinyl Acetate	µg/m^3	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	µg/m^3	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	µg/m^3	0.39 U	0.39 U	0.39 U	0.39 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

J = Analyte detected at or below quantitation limits and/or estimated value.

U = Not detected at the reporting limit.

R = Data rejected as part of validation.

D = Diluted concentration reported.

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Table A-2. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results, January 2013
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Date Collected: Area:	Units	IA-VMP-1B 01/24/13 Between Kitting & Molding Storage DOC	IA-VMP-2B 01/24/13 Adjacent to Leadwire Assembly - South	IA-VMP-2C 01/24/13 Adjacent to Cable Assembly	IA-VMP-3A 01/23/13 CET Warehouse	IA-VMP-3B 01/24/13 Near Southeast Side of CET Packaging Area	IA-VMP-3D 01/24/13 Near Southwest Side of Mold Storage
1,1,1-Trichloroethane	µg/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U [0.83 U]	0.83 U
1,1,2,2-Tetrachloroethane	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**0.86 J**	**0.93 J**	**1.3**	**0.86 J**	**0.86 J [0.86 J]**	**1.4**
1,1,2-Trichloroethane	µg/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U [0.83 U]	0.83 U
1,1-Dichloroethane	µg/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]	0.62 U
1,1-Dichloroethene	µg/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U
1,2,4-Trichlorobenzene	µg/m^3	R	R	R	R	R [R]	R
1,2,4-Trimethylbenzene	µg/m^3	**0.80**	**1.1**	**1.2**	**1.4**	**3.3 [2.6]**	**0.85**
1,2-Dibromoethane	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U
1,2-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U
1,2-Dichloroethane	µg/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]	0.62 U
1,2-Dichloropropane	µg/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]	0.70 U
1,3,5-Trimethylbenzene	µg/m^3	0.75 UJ	0.75 UJ	0.75 UJ	**0.70 J**	**0.70 J [0.50 J]**	0.75 UJ
1,3-Butadiene	µg/m^3	0.34 UJ	0.34 UJ	0.34 UJ	0.34 UJ	0.34 UJ [0.34 UJ]	0.34 UJ
1,3-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U
1,4-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U
1,4-Dioxane	µg/m^3	R	R	R	R	R [R]	R
2,2,4-Trimethylpentane	µg/m^3	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U [0.71 U]	0.71 UJ
2-Butanone	µg/m^3	**1.0 J**	**0.78 J**	**0.66 J**	**2.8 J**	**0.60 J [0.69 J]**	**0.81 J**
2-Hexanone	µg/m^3	R	R	R	R	R [R]	R
3-Chloropropene	µg/m^3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U [0.48 U]	0.48 U
4-Ethyltoluene	µg/m^3	0.75 UJ	0.75 UJ	0.75 UJ	0.75 UJ	0.75 UJ [0.75 UJ]	0.75 UJ
4-Methyl-2-pentanone	µg/m^3	R	R	R	R	R [R]	R
Acetone	µg/m^3	**8.7 DJ**	**17 DJ**	**16 DJ**	**45 DJ**	**9.5 [14 DJ]**	**8.5 DJ**
Benzene	µg/m^3	**2.4**	**1.2**	**1.3**	**1.0**	**1.8 [1.8]**	**1.9**
Benzyl Chloride	µg/m^3	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U [0.88 U]	0.88 U
Bromodichloromethane	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U
Bromoform	µg/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U [1.6 U]	1.6 U
Bromomethane	µg/m^3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U [0.59 U]	0.59 U
Carbon Disulfide	µg/m^3	0.47 U	0.47 U	0.47 U	**0.32 J**	0.47 U [0.47 U]	0.47 U
Carbon Tetrachloride	µg/m^3	**0.77 J**	**0.70 J**	**0.83 J**	**0.64 J**	**0.77 J [0.77 J]**	**0.77 J**
Chlorobenzene	µg/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]	0.70 U
Chloroethane	µg/m^3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U [0.40 U]	0.40 U
Chloroform	µg/m^3	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U [0.74 U]	0.74 U
Chloromethane	µg/m^3	**1.3 J**	**1.4 J**	**1.3 J**	**1.2 J**	**1.4 J [1.3 J]**	**1.3 J**
cis-1,2-Dichloroethene	µg/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U
cis-1,3-Dichloropropene	µg/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U [0.69 U]	0.69 U
Cyclohexane	µg/m^3	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U [0.52 U]	0.52 U
Dibromochloromethane	µg/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U [1.3 U]	1.3 U
Dichlorodifluoromethane	µg/m^3	**3.2**	**3.3**	**3.2**	**2.8**	**3.2 [3.3]**	**3.3**
Ethyl acetate	µg/m^3	0.92 UJ	**0.44 J**	**0.48 J**	**2.3 J**	**0.37 J [0.40 J]**	0.92 UJ
Ethylbenzene	µg/m^3	0.66 U	0.66 U	0.66 U	**0.71**	**0.53 J [0.53 J]**	**0.57 J**
Heptane	µg/m^3	**0.71**	**0.71**	**0.96**	**5.3**	**1.2 [1.2]**	**1.1**
Hexachlorobutadiene	µg/m^3	R	R	R	R	R [R]	R
Isopropyl alcohol	µg/m^3	**42 DJ**	**250 DJ**	**170 DJ**	**2,300 D**	**340 DJ [340 DJ]**	**280 DJ**
m&p-Xylene	µg/m^3	**1.1 J**	**1.1 J**	**1.1 J**	**2.2**	**1.6 [1.2 J]**	**1.1 J**
Methyl tert-butyl ether	µg/m^3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U [0.55 U]	0.55 U
Methylene Chloride	µg/m^3	**16 D**	**44 D**	**34 D**	**2,700 D**	**180 D [210 D]**	**260 D**
n-Hexane	µg/m^3	**0.50 J**	**0.43 J**	0.54 UJ	**5.8 J**	**0.50 J [0.64 J]**	**0.43 J**
o-Xylene	µg/m^3	**0.49 J**	**0.62 J**	**0.57 J**	**0.79**	**0.79 [0.57 J]**	**0.49 J**
Propylene	µg/m^3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U [0.26 U]	0.26 U
Styrene	µg/m^3	**2.0**	**1.8**	**2.4**	**0.65**	**1.4 [1.3]**	**1.7**
Tetrachloroethene	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U

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Table A-2. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results, January 2013
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Date Collected: Area:	Units	IA-VMP-1B 01/24/13 Between Kitting & Molding Storage DOC	IA-VMP-2B 01/24/13 Adjacent to Leadwire Assembly - South	IA-VMP-2C 01/24/13 Adjacent to Cable Assembly	IA-VMP-3A 01/23/13 CET Warehouse	IA-VMP-3B 01/24/13 Near Southeast Side of CET Packaging Area	IA-VMP-3D 01/24/13 Near Southwest Side of Mold Storage
Tetrahydrofuran	µg/m^3	0.45 UJ	**1.1 J**	**0.75 J**	**2.2 J**	**3.1 J [3.4 J]**	0.45 UJ
Toluene	µg/m^3	**3.0**	**2.6**	**2.7**	**5.9**	**3.1 [2.9]**	**3.2**
trans-1,2-Dichloroethene	µg/m^3	0.60 U	**8.5 D**	**10 D**	**1.9**	**6.5 [7.2]**	**0.89**
trans-1,3-Dichloropropene	µg/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U [0.69 U]	0.69 U
Trichloroethene	µg/m^3	**0.22**	**0.38**	**0.33**	**1.8**	**0.27 [0.27]**	**0.27**
Trichlorofluoromethane	µg/m^3	**70 D**	**19 D**	**22 D**	**4.3**	**10 [11]**	**12 D**
Vinyl Acetate	µg/m^3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U [0.54 U]	0.54 U
Vinyl Bromide	µg/m^3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U [0.67 U]	0.67 U
Vinyl Chloride	µg/m^3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U [0.10 U]	0.10 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

J = Analyte detected at or below quantitation limits and/or estimated value.

U = Not detected at the reporting limit.

R = Data rejected as part of validation.

D = Diluted concentration reported.

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Table A-2. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results, January 2013
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: / Date Collected: / Area:	Units	IA-VMP-3E 01/24/13 Mold Storage	IA-VMP-4 01/24/13 Southeast Side of Mold Storage	IA-VMP-5A 01/23/13 Northwest Utica National	IA-VMP-5B 01/23/13 CET Warehouse	IA-VMP-6 01/24/13 Northeast Utica National	IA-VMP-6A 01/23/13 Central Utica National	IA-VMP-6B 01/24/13 Central Utica National
1,1,1-Trichloroethane	µg/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**1.2**	**0.86 J**	**0.93 J**	**1.4**	**0.86 J**	**0.86 J**	1.2 U
1,1,2-Trichloroethane	µg/m^3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	µg/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	µg/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	µg/m^3	R	R	R	R	R	R	1.1 U
1,2,4-Trimethylbenzene	µg/m^3	**0.90**	**0.95**	**1.8**	**1.5**	**1.9**	**2.5**	**1.4**
1,2-Dibromoethane	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	µg/m^3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	µg/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	µg/m^3	0.75 UJ	0.75 UJ	**0.60 J**	**0.50 J**	**0.70 J**	**0.90 J**	**0.50 J**
1,3-Butadiene	µg/m^3	0.34 UJ	0.34 UJ	0.34 UJ	0.34 UJ	0.34 UJ	0.34 UJ	0.34 U
1,3-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dioxane	µg/m^3	R	R	R	R	R	R	1.1 UJ
2,2,4-Trimethylpentane	µg/m^3	0.71 U	**0.62 J**	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
2-Butanone	µg/m^3	**1.0 J**	**0.60 J**	**2.5 J**	**2.6 J**	**2.7 J**	**3.6 J**	**1.5 J**
2-Hexanone	µg/m^3	R	R	R	R	R	R	1.2 U
3-Chloropropene	µg/m^3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	µg/m^3	0.75 UJ	0.75 UJ	0.75 UJ	0.75 UJ	**0.50 J**	**0.65 J**	0.75 U
4-Methyl-2-pentanone	µg/m^3	R	R	R	R	R	R	**0.54 J**
Acetone	µg/m^3	**9.9 DJ**	**21 DJ**	**22 DJ**	**35 DJ**	**62 DJ**	**37 DJ**	**37 D**
Benzene	µg/m^3	**1.4**	**1.3**	**1.3**	**0.91**	**1.6**	**1.1**	**1.3**
Benzyl Chloride	µg/m^3	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	µg/m^3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	µg/m^3	**0.32 J**	0.47 U	**0.60**	0.47 U	0.47 U	0.47 U	0.47 U
Carbon Tetrachloride	µg/m^3	**0.77 J**	**0.77 J**	**0.70 J**	**0.70 J**	**0.70 J**	**0.70 J**	**0.64**
Chlorobenzene	µg/m^3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	µg/m^3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	µg/m^3	0.74 U	0.74 U	0.74 U	0.74 U	**0.55 J**	0.74 U	**0.69 J**
Chloromethane	µg/m^3	**1.2 J**	**1.4 J**	**1.4 J**	**1.3 J**	**1.5 J**	**1.4 J**	**1.3**
cis-1,2-Dichloroethene	µg/m^3	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
cis-1,3-Dichloropropene	µg/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	µg/m^3	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
Dibromochloromethane	µg/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	µg/m^3	**3.2**	**3.2**	**3.3**	**3.1**	**2.9**	**3.3**	**3.0**
Ethyl acetate	µg/m^3	0.92 UJ	**0.40 J**	**2.9 J**	**2.0 J**	**1.2 J**	**2.3 J**	**1.3**
Ethylbenzene	µg/m^3	0.66 U	0.66 U	**0.93**	**0.75**	**0.44 J**	**0.79**	0.66 U
Heptane	µg/m^3	**0.54 J**	**0.71**	**6.2**	**5.8**	**7.5**	**5.7**	**4.7**
Hexachlorobutadiene	µg/m^3	R	R	R	R	R	R	1.6 U
Isopropyl alcohol	µg/m^3	**180 DJ**	**170 DJ**	**1,100 D**	**1,800 D**	**3,800 D**	**1,700 D**	**3,200 DJ**
m&p-Xylene	µg/m^3	**1.0 J**	**0.97 J**	**2.3**	**2.3**	**1.1 J**	**2.7**	**0.88 J**
Methyl tert-butyl ether	µg/m^3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	µg/m^3	**35 D**	**35 D**	**1,300 D**	**2,000 D**	**2,100 D**	**1,400 D**	**660 D**
n-Hexane	µg/m^3	0.54 UJ	0.54 UJ	**3.4 J**	**5.6 J**	**1.5 J**	**7.1 J**	**0.97 J**
o-Xylene	µg/m^3	0.66 U	**0.44 J**	**0.79**	**0.88**	**0.53 J**	**1.1**	0.66 U
Propylene	µg/m^3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	µg/m^3	**0.87**	**2.0**	**0.91**	**0.61 J**	**0.78**	**1.2**	**0.95**
Tetrachloroethene	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

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Table A-2. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results, January 2013
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Date Collected: Area:	Units	IA-VMP-3E 01/24/13 Mold Storage	IA-VMP-4 01/24/13 Southeast Side of Mold Storage	IA-VMP-5A 01/23/13 Northwest Utica National	IA-VMP-5B 01/23/13 CET Warehouse	IA-VMP-6 01/24/13 Northeast Utica National	IA-VMP-6A 01/23/13 Central Utica National	IA-VMP-6B 01/24/13 Central Utica National
Tetrahydrofuran	µg/m^3	0.45 UJ	**1.1 J**	**2.2 J**	**2.3 J**	**36 D**	**4.9 J**	**6.3 DJ**
Toluene	µg/m^3	**2.5**	**2.9**	**8.0**	**5.6**	**5.6**	**5.9**	**4.2**
trans-1,2-Dichloroethene	µg/m^3	**1.0**	**8.1 D**	**1.1**	**1.9**	**68 D**	**1.9**	**50 DJ**
trans-1,3-Dichloropropene	µg/m^3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	µg/m^3	**0.27**	**1.1**	**2.5**	**1.9**	**0.22**	**1.6**	**0.22**
Trichlorofluoromethane	µg/m^3	**19 D**	**16 D**	**9.3**	**4.7**	**3.3**	**4.8**	**3.2**
Vinyl Acetate	µg/m^3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	**1.8**
Vinyl Bromide	µg/m^3	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	µg/m^3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

J = Analyte detected at or below quantitation limits and/or estimated value.

U = Not detected at the reporting limit.

R = Data rejected as part of validation.

D = Diluted concentration reported.

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Table A-2. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results, January 2013
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Date Collected: Area:	Units	IA-VMP-7 01/23/13 Between Kitting & Molding Storage DOC	IA-VMP-7A 01/23/13 Southwest Utica National
1,1,1-Trichloroethane	µg/m^3	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	µg/m^3	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**0.86 J**	**0.93 J**
1,1,2-Trichloroethane	µg/m^3	0.83 U	0.83 U
1,1-Dichloroethane	µg/m^3	0.62 U	0.62 U
1,1-Dichloroethene	µg/m^3	0.60 U	0.60 U
1,2,4-Trichlorobenzene	µg/m^3	R	R
1,2,4-Trimethylbenzene	µg/m^3	**1.7**	**7.2**
1,2-Dibromoethane	µg/m^3	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.1 U	1.1 U
1,2-Dichlorobenzene	µg/m^3	0.92 U	0.92 U
1,2-Dichloroethane	µg/m^3	0.62 U	0.62 U
1,2-Dichloropropane	µg/m^3	0.70 U	0.70 U
1,3,5-Trimethylbenzene	µg/m^3	**0.60 J**	**1.5 J**
1,3-Butadiene	µg/m^3	0.34 UJ	0.34 UJ
1,3-Dichlorobenzene	µg/m^3	0.92 U	0.92 U
1,4-Dichlorobenzene	µg/m^3	0.92 U	0.92 U
1,4-Dioxane	µg/m^3	R	R
2,2,4-Trimethylpentane	µg/m^3	0.71 U	0.71 U
2-Butanone	µg/m^3	**2.8 J**	**3.6 J**
2-Hexanone	µg/m^3	R	R
3-Chloropropene	µg/m^3	0.48 U	0.48 U
4-Ethyltoluene	µg/m^3	**0.50 J**	**1.4 J**
4-Methyl-2-pentanone	µg/m^3	R	R
Acetone	µg/m^3	**33 DJ**	**76 DJ**
Benzene	µg/m^3	**1.2**	**1.1**
Benzyl Chloride	µg/m^3	0.88 U	0.88 U
Bromodichloromethane	µg/m^3	1.0 U	1.0 U
Bromoform	µg/m^3	1.6 U	1.6 U
Bromomethane	µg/m^3	0.59 U	0.59 U
Carbon Disulfide	µg/m^3	0.47 U	0.47 U
Carbon Tetrachloride	µg/m^3	**0.70 J**	**0.70 J**
Chlorobenzene	µg/m^3	0.70 U	0.70 U
Chloroethane	µg/m^3	0.40 U	0.40 U
Chloroform	µg/m^3	0.74 U	0.74 U
Chloromethane	µg/m^3	**1.5 J**	**1.5 J**
cis-1,2-Dichloroethene	µg/m^3	0.60 U	0.60 U
cis-1,3-Dichloropropene	µg/m^3	0.69 U	0.69 U
Cyclohexane	µg/m^3	0.52 U	0.52 U
Dibromochloromethane	µg/m^3	1.3 U	1.3 U
Dichlorodifluoromethane	µg/m^3	**3.4**	**3.1**
Ethyl acetate	µg/m^3	**1.6 J**	**2.3 J**
Ethylbenzene	µg/m^3	**0.75**	**1.1**
Heptane	µg/m^3	**4.7**	**5.7**
Hexachlorobutadiene	µg/m^3	R	R
Isopropyl alcohol	µg/m^3	**3,300 DJ**	**3,500 DJ**
m&p-Xylene	µg/m^3	**2.6**	**5.1**
Methyl tert-butyl ether	µg/m^3	0.55 U	0.55 U
Methylene Chloride	µg/m^3	**3,700 D**	**2,300 D**
n-Hexane	µg/m^3	**5.7 J**	**6.8 J**
o-Xylene	µg/m^3	**1.0**	**2.0**
Propylene	µg/m^3	0.26 U	0.26 U
Styrene	µg/m^3	**1.4**	**1.3**
Tetrachloroethene	µg/m^3	**0.69 J**	1.0 U

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Table A-2. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results, January 2013
Former Lockheed Martin French Road Facility, Utica, New York

Location ID: Date Collected: Area:	Units	IA-VMP-7 01/23/13 Between Kitting & Molding Storage DOC	IA-VMP-7A 01/23/13 Southwest Utica National
Tetrahydrofuran	µg/m^3	**6.2 J**	**4.6 J**
Toluene	µg/m^3	**5.9**	**6.8**
trans-1,2-Dichloroethene	µg/m^3	**2.2**	**1.8**
trans-1,3-Dichloropropene	µg/m^3	0.69 U	0.69 U
Trichloroethene	µg/m^3	**2.5**	**1.7**
Trichlorofluoromethane	µg/m^3	**7.1**	**5.4**
Vinyl Acetate	µg/m^3	0.54 U	0.54 U
Vinyl Bromide	µg/m^3	0.67 U	0.67 U
Vinyl Chloride	µg/m^3	0.10 U	0.10 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

J = Analyte detected at or below quantitation limits and/or estimated value.

U = Not detected at the reporting limit.

R = Data rejected as part of validation.

D = Diluted concentration reported.

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Table A-2. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results, January 2013
Former Lockheed Martin French Road Facility, Utica, New York

Location ID:		SG-GH-1	SS-VMP-GS1
Date Collected:		03/17/10	01/24/13
Area:	Units	Guard House	Guard House
1,1,1-Trichloroethane	µg/m^3	0.83 U	**1.3**
1,1,2,2-Tetrachloroethane	µg/m^3	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	1.2 U	**1.5**
1,1,2-Trichloroethane	µg/m^3	0.83 U	0.83 U
1,1-Dichloroethane	µg/m^3	0.62 U	0.62 U
1,1-Dichloroethene	µg/m^3	0.60 U	0.60 U
1,2,4-Trichlorobenzene	µg/m^3	1.1 U	1.1 U
1,2,4-Trimethylbenzene	µg/m^3	**0.75**	**3.5**
1,2-Dibromoethane	µg/m^3	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.1 U	1.1 U
1,2-Dichlorobenzene	µg/m^3	0.92 U	0.92 U
1,2-Dichloroethane	µg/m^3	0.62 U	0.62 U
1,2-Dichloropropane	µg/m^3	0.70 U	0.70 U
1,3,5-Trimethylbenzene	µg/m^3	0.75 U	**1.3**
1,3-Butadiene	µg/m^3	0.34 U	0.34 U
1,3-Dichlorobenzene	µg/m^3	0.92 U	0.92 U
1,4-Dichlorobenzene	µg/m^3	0.92 U	0.92 U
1,4-Dioxane	µg/m^3	1.1 U	1.1 J
2,2,4-Trimethylpentane	µg/m^3	0.71 U	0.71 U
2-Butanone	µg/m^3	**0.81 J**	**2.1 J**
2-Hexanone	µg/m^3	1.2 UJ	1.2 U
3-Chloropropene	µg/m^3	0.48 U	0.48 U
4-Ethyltoluene	µg/m^3	0.75 U	**0.75**
4-Methyl-2-pentanone	µg/m^3	1.2 UJ	**1.5**
Acetone	µg/m^3	**12**	**64 D**
Benzene	µg/m^3	**0.75**	**1.6**
Benzyl Chloride	µg/m^3	0.88 U	0.88 U
Bromodichloromethane	µg/m^3	1.0 U	1.0 U
Bromoform	µg/m^3	1.6 U	1.6 U
Bromomethane	µg/m^3	0.59 U	0.59 U
Carbon Disulfide	µg/m^3	0.47 U	**3.0**
Carbon Tetrachloride	µg/m^3	0.96 U	0.96 U
Chlorobenzene	µg/m^3	0.70 U	0.70 U
Chloroethane	µg/m^3	0.40 U	0.40 U
Chloroform	µg/m^3	0.74 U	0.74 U
Chloromethane	µg/m^3	**0.69**	**0.55**
cis-1,2-Dichloroethene	µg/m^3	0.60 U	0.60 U
cis-1,3-Dichloropropene	µg/m^3	0.69 U	0.69 U
Cyclohexane	µg/m^3	**4.1**	0.52 U
Dibromochloromethane	µg/m^3	1.3 UJ	1.3 U
Dichlorodifluoromethane	µg/m^3	**2.4**	**2.8**
Ethyl acetate	µg/m^3	0.92 U	**0.44 J**
Ethylbenzene	µg/m^3	0.66 U	**0.88**
Heptane	µg/m^3	**0.46 J**	**0.83**
Hexachlorobutadiene	µg/m^3	1.6 U	1.6 U
Isopropyl alcohol	µg/m^3	**18**	**39 DJ**
m&p-Xylene	µg/m^3	**0.79 J**	**2.4**
Methyl tert-butyl ether	µg/m^3	0.55 U	0.55 U
Methylene Chloride	µg/m^3	**0.56**	**27 D**
n-Hexane	µg/m^3	0.54 U	**1.9 J**
o-Xylene	µg/m^3	0.66 U	**1.1**
Propylene	µg/m^3	0.26 U	0.26 U
Styrene	µg/m^3	0.65 U	**0.48 J**

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Table A-2. Summary of Indoor Air and Sub-Slab Soil Gas Sample Results, January 2013
Former Lockheed Martin French Road Facility, Utica, New York

Location ID:		SG-GH-1	SS-VMP-GS1
Date Collected:		03/17/10	01/24/13
Area:	Units	Guard House	Guard House
Tetrachloroethene	µg/m^3	**1.9 J**	1.0 U
Tetrahydrofuran	µg/m^3	0.45 U	**0.54**
Toluene	µg/m^3	**1.6**	**3.5**
trans-1,2-Dichloroethene	µg/m^3	0.60 U	**0.69 J**
trans-1,3-Dichloropropene	µg/m^3	0.69 U	0.69 U
Trichloroethene	µg/m^3	**0.87**	0.82 U
Trichlorofluoromethane	µg/m^3	**1.7**	**4.3**
Vinyl Acetate	µg/m^3	0.54 U	0.54 U
Vinyl Bromide	µg/m^3	0.67 U	0.67 U
Vinyl Chloride	µg/m^3	0.39 U	0.39 U

Notes:

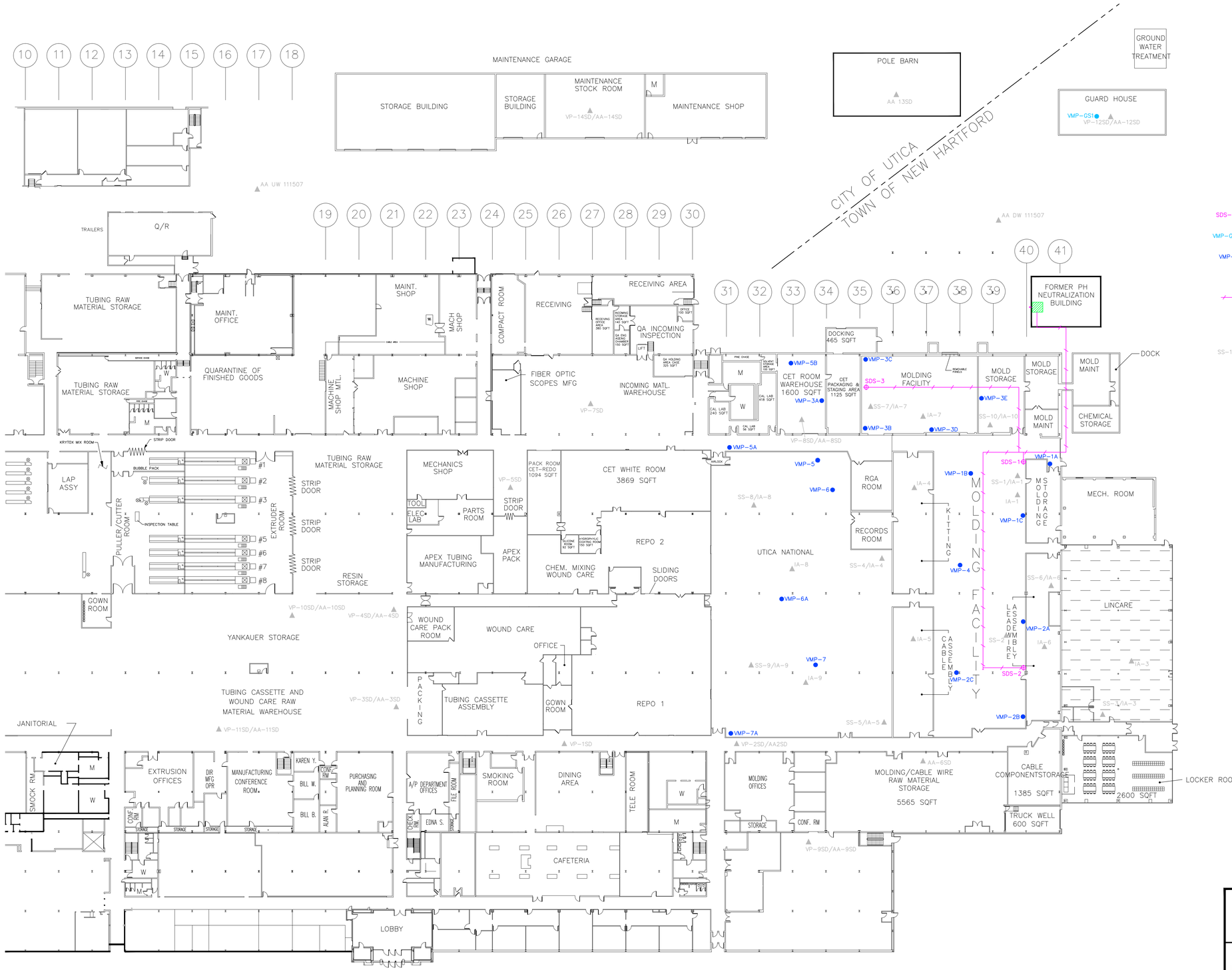
Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

J = Analyte detected at or below quantitation limits and/or estimated value.

U = Not detected at the reporting limit.



LEGEND

- SDS-1 — LOCATION OF SUBSLAB DEPRESSURIZATION SUMP (SDS)
- VMP-GS1 — SEMI-PERMANENT SOIL GAS PROBE LOCATION
- VMP-6 — PERMANENT SOIL GAS PROBE LOCATION
- LOCATION OF SUBSLAB DEPRESSURIZATION SYSTEM TREATMENT EQUIPMENT
- LOCATION OF SUBSLAB DEPRESSURIZATION ABOVE GRADE PIPING
- (35) — BUILDING COLUMN LINE IDENTIFICATION
- SS-10 — TEMPORARY SOIL GAS PROBE AND INDOOR AIR LOCATION

NOTE:

1. AMBIENT AIR (AA) SAMPLES CO-LOCATED AT EACH VMP LOCATION.
2. BASE DRAWING SOURCE: CONMED, TITLE: FRENCH ROAD BLOCK PLAN PROPOSED SPACE UTILIZATION, DRAWING NO:FR001, DATE: 01/28/94, CONMED SOURCE DRAWING: LOCKHEED MARTIN DRAWING NUMBER RFABLK.DWG JEG 310CT94.

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NEW YORK
ANNUAL VAPOR INTRUSION STUDY REPORT FOR T□E SOLVENT DOC□ AREA

□ISTORICAL SAMPLING LOCATION PLAN

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FIGURE
A-1

CITY:MAHWAH DIV/GROUP:ENVCAD DB:IG LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(On)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIVE\00010140001\00003\FIG A-1-HistoricCoaPlan_updated032013.dwg LAYOUT: A-1 SAVED: 3/6/2013 2:35 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: PDF 22X34 PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/6/2013 3:14 PM BY: SANCHEZ, ADRIAN
XREFS:
IMAGES:
PROJECTNAME: ----
0064BX01

APPENDIX B

Sampling Logs

Ambient Air Sample Collection Log

Sample ID: AMB-021314

Client:	Lockheed Martin	**Date/Day:**	Thursday, 2/13/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	P/C
Location:	Utica, NY	**Temperature:**	24° F, 29.96 in Hg, 78% Humidity
Project #:	NJ001050.0001	**Wind Speed/Direction:**	6 mph SE
Samplers:	Dan Zuck	**Subcontractor:**	NA
Logged By:	Dan Zuck	**Equipment:**	Truck Traffic
Background PID Ambient Air Reading:	6.0 ppm	**Moisture Content of Sampling Zone (circle one):**	NA
Sampling Depth:	~4' ALS	**Approximate Volume of Sampling Train:**	NA
Time of Collection:	Start: 1155 Finish: 2000	**Approximate Purge Volume:**	NA

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 3015

Flow Controller ID: 5178

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.2	-30	-10.5

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6470	**Weather @ Sample End:**
Temperature (F)	27°
Relative Humidity (%)	91
Wind	11 NW
Barometric Pressure (in Hg)	29.53
PID (ppb)	0.0

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Indoor Air Sample Collection Log

Sample ID: **IA-VMP-1B/DUP-2/ IA-DUP-021214**

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.0 ppm	**Moisture Content of Sampling Zone (circle one):**	NA
Sampling Depth:	4.3' ALS	**Approximate Volume of Sampling Train:**	NA
Time of Collection:	Start: 0936 Finish: 1905	**Approximate Purge Volume:**	NA

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 4442 / 3233

Flow Controller ID: 09903 / 09903

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.1	-30	-14.5

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6464
No pre-sample can check recorded.

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-1B

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.0 ppm	**Moisture Content of Sampling Zone (circle one):**	Dry
Sampling Depth:	~0.5'® 1' BLS	**Approximate Volume of Sampling Train:**	170 mL
Time of Collection:	Start: 0936 Finish: 1715	**Approximate Purge Volume:**	510 mL

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 3011

Flow Controller ID: 09709

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.1	-29	-5

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6464
Pre-sample can check: -30
Post-sample PID: 0.0 ppm from sample tube.

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Indoor Air Sample Collection Log

Sample ID: IA-VMP-2B

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.0 ppm	**Moisture Content of Sampling Zone (circle one):**	NA
Sampling Depth:	4.1' ALS	**Approximate Volume of Sampling Train:**	NA
Time of Collection:	Start: 0922 Finish: 1724	**Approximate Purge Volume:**	NA

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 2956

Flow Controller ID: 10239

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.1	-30	-7.5

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6467
Pre-sample can check: -31

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-2B

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.0 ppm	**Moisture Content of Sampling Zone (circle one):**	Dry
Sampling Depth:	~0.5'® 1' BLS	**Approximate Volume of Sampling Train:**	170 mL
Time of Collection:	Start: 0921 Finish: 1721	**Approximate Purge Volume:**	510 mL

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 4343

Flow Controller ID: 09702

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.2	-30	-5.2

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6467
Pre-sample can check: -30
Post-sample PID: 0.0 ppm from sample tube.

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Indoor Air Sample Collection Log

Sample ID: IA-VMP-2C

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.0 ppm	**Moisture Content of Sampling Zone (circle one):**	NA
Sampling Depth:	3.8' ALS	**Approximate Volume of Sampling Train:**	NA
Time of Collection:	Start: 0925 Finish: 1727	**Approximate Purge Volume:**	NA

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 4800

Flow Controller ID: 4532

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.1	-30	-7.5

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6466
Pre-sample can check: -30.1

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-2C

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.0 ppm	**Moisture Content of Sampling Zone (circle one):**	Dry
Sampling Depth:	~0.5'® 1' BLS	**Approximate Volume of Sampling Train:**	170 mL
Time of Collection:	Start: 0924 Finish: 1727	**Approximate Purge Volume:**	510 mL

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 4441

Flow Controller ID: 10630

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.1	-30	-6

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6466
Pre-sample can check: -29
Post-sample PID: 0.0 ppm from sample tube.

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Indoor Air Sample Collection Log

Sample ID: IA-VMP-3A

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	NA
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.3 ppm	**Moisture Content of Sampling Zone (circle one):**	NA
Sampling Depth:	~4' ALS	**Approximate Volume of Sampling Train:**	NA
Time of Collection:	Start: 0905 Finish: 1702	**Approximate Purge Volume:**	NA

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 5148

Flow Controller ID: 10877

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.1	-30	-6.5

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6451
Pre-sample can check: -30

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-3A

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	12° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.3 ppm	**Moisture Content of Sampling Zone (circle one):**	Dry
Sampling Depth:	~1'® 0.5' BLS	**Approximate Volume of Sampling Train:**	170 mL
Time of Collection:	Start: 0902 Finish: 1703	**Approximate Purge Volume:**	510 mL

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 5039

Flow Controller ID: 4205

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.1	-30	-12.5

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6451
Pre-sample can check: -30
PID reading following sample collection from sampling tube 0.2 ppm.

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Indoor Air Sample Collection Log

Sample ID: IA-VMP-3B

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	18° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.2 ppm	**Moisture Content of Sampling Zone (circle one):**	NA
Sampling Depth:	~4' ALS	**Approximate Volume of Sampling Train:**	NA
Time of Collection:	Start: 0924 Finish: 1722	**Approximate Purge Volume:**	NA

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 5050

Flow Controller ID: 5232

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.2	-30	-6

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6462
Pre-sample can check: -29.2

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-3B

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	15° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.2 ppm	**Moisture Content of Sampling Zone (circle one):**	Dry
Sampling Depth:	~1'® 0.5' BLS	**Approximate Volume of Sampling Train:**	170 mL
Time of Collection:	Start: 0923 Finish: 1725	**Approximate Purge Volume:**	510 mL

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 5628

Flow Controller ID: 5203

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.2	-30	-22.5

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6462
Pre-sample can check: -30
Post-sample PID: 0.0 ppm from sample tube.

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Indoor Air Sample Collection Log

Sample ID: IA-VMP-3D

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	18° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.2 ppm	**Moisture Content of Sampling Zone (circle one):**	NA
Sampling Depth:	48" ALS	**Approximate Volume of Sampling Train:**	NA
Time of Collection:	Start: 0930 Finish: 1632	**Approximate Purge Volume:**	NA

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 2786

Flow Controller ID: 90660

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.2	-31	-5

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
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General Observations/Notes:

Photo #: NA
Pre-sample can check: -31

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-3D

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	18° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.2 ppm	**Moisture Content of Sampling Zone (circle one):**	Dry
Sampling Depth:	~1'® 0.5' BLS	**Approximate Volume of Sampling Train:**	170 mL
Time of Collection:	Start: 0930 Finish: 1732	**Approximate Purge Volume:**	510 mL

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 2639

Flow Controller ID: 10660

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.1	-30	-6.5

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: NA
Pre-sample can check: -30
Post-sample PID: 0.0 ppm from sample tube.

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Indoor Air Sample Collection Log

Sample ID: IA-VMP-3E

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	20° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.6 ppm	**Moisture Content of Sampling Zone (circle one):**	NA
Sampling Depth:	~4' ALS	**Approximate Volume of Sampling Train:**	NA
Time of Collection:	Start: 0937 Finish: 1640	**Approximate Purge Volume:**	NA

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 4550

Flow Controller ID: 3123

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.1	-29.5	-6

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
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General Observations/Notes:

Photo #: 101-6463
Pre-sample can check: -29

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-3E

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	20° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.6 ppm	**Moisture Content of Sampling Zone (circle one):**	Dry
Sampling Depth:	~1'® 0.5' BLS	**Approximate Volume of Sampling Train:**	170 mL
Time of Collection:	Start: 0936 Finish: 1740	**Approximate Purge Volume:**	510 mL

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 5615

Flow Controller ID: 10587

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.1	-30	-6.5

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6463
Pre-sample can check: -30
Post-sample PID: 0.0 ppm from sample tube.

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Indoor Air Sample Collection Log

Sample ID: IA-VMP-4

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.0 ppm	**Moisture Content of Sampling Zone (circle one):**	NA
Sampling Depth:	3.9' ALS	**Approximate Volume of Sampling Train:**	NA
Time of Collection:	Start: 0930 Finish: 1730	**Approximate Purge Volume:**	NA

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 5610

Flow Controller ID: 3695

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.1	-30	-7.8

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
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General Observations/Notes:

Photo #: 101-6465
Pre-sample can check: -30

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-4

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.1 ppm	**Moisture Content of Sampling Zone (circle one):**	Dry
Sampling Depth:	~0.5'® 1' BLS	**Approximate Volume of Sampling Train:**	170 mL
Time of Collection:	Start: 0931 Finish: 1641	**Approximate Purge Volume:**	510 mL

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 5081

Flow Controller ID: 10659

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.1	-29	-6

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
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General Observations/Notes:

Photo #:
Pre-sample can check: -28
Post-sample PID: 0.0 ppm from sample tube.

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Indoor Air Sample Collection Log

Sample ID: IA-VMP-5A

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.3 ppm	**Moisture Content of Sampling Zone (circle one):**	NA
Sampling Depth:	49" ALS	**Approximate Volume of Sampling Train:**	NA
Time of Collection:	Start: 0855 Finish: 1655	**Approximate Purge Volume:**	NA

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 4282

Flow Controller ID: 10240

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.1	-28.5	-5.5

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
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General Observations/Notes:

Photo #: 101-6461
Pre-sample can check: -28.5

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-5A

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID & Boxes
Background PID Ambient Air Reading:	0.3 ppm	**Moisture Content of Sampling Zone (circle one):**	Dry
Sampling Depth:	~1'® 0.5' BLS	**Approximate Volume of Sampling Train:**	170 mL
Time of Collection:	Start: 0855 Finish: 1655	**Approximate Purge Volume:**	510 mL

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 5607

Flow Controller ID: 10053

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.2	-30	-6

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6461
Pre-sample can check: -30
Post-sample PID: 0.0 ppm from sample tube.

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Indoor Air Sample Collection Log

Sample ID: IA-VMP-5B

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	13° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.3 ppm	**Moisture Content of Sampling Zone (circle one):**	NA
Sampling Depth:	40" ALS	**Approximate Volume of Sampling Train:**	NA
Time of Collection:	Start: 0910 Finish: 1714	**Approximate Purge Volume:**	NA

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 5618

Flow Controller ID: 5168

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.2	-31	-14

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
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General Observations/Notes:

Photo #: 101-6452
Pre-sample can check: -30

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-5B

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	14° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.2 ppm	**Moisture Content of Sampling Zone (circle one):**	Dry
Sampling Depth:	~1'® 0.5' BLS	**Approximate Volume of Sampling Train:**	170 mL
Time of Collection:	Start: 0910 Finish: 1713	**Approximate Purge Volume:**	510 mL

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 5104

Flow Controller ID: 09708

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.2	-30	-21

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6452
Pre-sample can check: -31
Post-sample PID: 0.0 ppm from sample tube.

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Indoor Air Sample Collection Log

Sample ID: IA-VMP-6A

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	MiniRAE 3000 ID 4047
Background PID Ambient Air Reading:	0.2 ppm	**Moisture Content of Sampling Zone (circle one):**	NA
Sampling Depth:	4.4' ALS	**Approximate Volume of Sampling Train:**	NA
Time of Collection:	Start: 0859 Finish: 1652	**Approximate Purge Volume:**	NA

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 4150

Flow Controller ID: 10056

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.2	-30	-6

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6456
Pre-sample can check: -30

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-6A

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.2 ppm	**Moisture Content of Sampling Zone (circle one):**	Dry
Sampling Depth:	~0.5'® 1' BLS	**Approximate Volume of Sampling Train:**	170 mL
Time of Collection:	Start: 0857 Finish: 1632	**Approximate Purge Volume:**	510 mL

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 3459

Flow Controller ID: 10654

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.1	-30	-6

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6456
Pre-sample can check: -29.5
Post-sample PID: 0.0 ppm from sample tube.

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Indoor Air Sample Collection Log

Sample ID: IA-VMP-6B

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.3 ppm	**Moisture Content of Sampling Zone (circle one):**	NA
Sampling Depth:	3.9' ALS	**Approximate Volume of Sampling Train:**	NA
Time of Collection:	Start: 0908 Finish: 1708	**Approximate Purge Volume:**	NA

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WLRound

Size (circle one): 1 L (6 L)

Canister ID: 5160

Flow Controller ID: 3736

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.2	-29	-6

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6453
Pre-sample can check: -29

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-6B

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.2 ppm	**Moisture Content of Sampling Zone (circle one):**	Dry
Sampling Depth:	~0.5'® 1' BLS	**Approximate Volume of Sampling Train:**	170 mL
Time of Collection:	Start: 0907 Finish: 1707	**Approximate Purge Volume:**	510 mL

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 2712

Flow Controller ID: 5182

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.2	-30+	-11

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6453
Pre-sample can check: -31
Post-sample PID: 0.0 ppm from sample tube.

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Indoor Air Sample Collection Log

Sample ID: IA-VMP-7

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.2 ppm	**Moisture Content of Sampling Zone (circle one):**	NA
Sampling Depth:	3.7' ALS	**Approximate Volume of Sampling Train:**	NA
Time of Collection:	Start: 1120 Finish: 1907	**Approximate Purge Volume:**	NA

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 4016

Flow Controller ID: 4030

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.2	-29	-5

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6460
Pre-sample can check: -30

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-7

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.2 ppm	**Moisture Content of Sampling Zone (circle one):**	Dry
Sampling Depth:	~0.5'® 1' BLS	**Approximate Volume of Sampling Train:**	170 mL
Time of Collection:	Start: 0901 Finish: 1701	**Approximate Purge Volume:**	510 mL

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 5083

Flow Controller ID: 4056

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.1	-30	-6.9

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6460
Pre-sample can check: -30
Post-sample PID: 0.2 ppm from sample tube.

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Indoor Air Sample Collection Log

Sample ID: IA-VMP-7A

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.2 ppm	**Moisture Content of Sampling Zone (circle one):**	NA
Sampling Depth:	5' ALS	**Approximate Volume of Sampling Train:**	NA
Time of Collection:	Start: 0854 Finish: 1815	**Approximate Purge Volume:**	NA

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 3136

Flow Controller ID: 3118

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.2	-28	-14.9

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6454
Pre-sample can check: -29.5

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-7A / SS-DUP-021214

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.2 ppm	**Moisture Content of Sampling Zone (circle one):**	Dry
Sampling Depth:	~0.5'→ 1' BLS	**Approximate Volume of Sampling Train:**	170 mL
Time of Collection:	Start: 0853 Finish: 1806	**Approximate Purge Volume:**	510 mL

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 4488 / 3087

Flow Controller ID: 09912 / 09912

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.2	-30	-20

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6454
Pre-sample can check: -30 (DUP canister)
Post-sample PID: 0.0 ppm from sample tube.
* Air/vacuum flow (from SDS) was heard in sample port after tubing was disconnected.

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-7B

Client:	Lockheed Martin	**Date/Day:**	Thursday, 2/13/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	69° F
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID & Boxes
Background PID Ambient Air Reading:	0.2 ppm	**Moisture Content of Sampling Zone (circle one):**	Dry
Sampling Depth:	~0.5'® 1' BLS	**Approximate Volume of Sampling Train:**	170 mL
Time of Collection:	Start: 1030 Finish: 1658	**Approximate Purge Volume:**	510 mL

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 2706

Flow Controller ID: 3484

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.1	-31	-5

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6469
-22.5 @ 2 hours

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Indoor Air Sample Collection Log

Sample ID: IA-VMP-8D

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.0 ppm	**Moisture Content of Sampling Zone (circle one):**	NA
Sampling Depth:	4' ALS	**Approximate Volume of Sampling Train:**	NA
Time of Collection:	Start: 0914 Finish: 1634	**Approximate Purge Volume:**	NA

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 5612

Flow Controller ID: 10617

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.2	-30	-6

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6457
Pre-sample can check: -30

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-8D

Client:	Lockheed Martin	**Date/Day:**	Wednesday, 2/12/14
Project:	LMC Sub-Slab and Indoor Monitoring	**Weather:**	Indoors
Location:	Utica, NY	**Temperature:**	23° C
Project #:	NJ001050.0001	**Wind Speed/Direction:**	Indoors
Samplers:	Katie Bidwell/Dan Zuck	**Subcontractor:**	NA
Logged By:	Katie Bidwell/Dan Zuck	**Equipment:**	PID
Background PID Ambient Air Reading:	0.0 ppm	**Moisture Content of Sampling Zone (circle one):**	Dry
Sampling Depth:	~0.5'® 1' BLS	**Approximate Volume of Sampling Train:**	170 mL
Time of Collection:	Start: 0912 Finish: 1748	**Approximate Purge Volume:**	510 mL

Nearby Groundwater Monitoring Wells/Water Levels:

Well ID	Depth to Groundwater (feet)
---	See Quarterly WL Round

Size (circle one): 1 L (6 L)

Canister ID: 5140

Flow Controller ID: 10300

Tracer Gas Information (if applicable)

Tracer Gas: NA

SUMMA Canister Information

Canister Pressure (inches Hg):		
Reported By Laboratory	**Measured Prior to Sample Collection**	**Measured Following Sample Collection**
-30.2	-29.5	-30*

Tracer Gas Concentration (if applicable):				
Measured from Soil Vapor Tubing		**Measured in 'Concentrated' Area**		
Post Purge	**Post Sample**	**Prior to Purging**	**Post Purging**	**Post Sampling**
---	---	---	---	---

General Observations/Notes:

Photo #: 101-6457
Pre-sample can check: -30
Post-sample PID: 0.0 ppm
* No sample collected due to tight formation/vapor point @ -30

Approximating Sampling Train Volume (for purgings):
When using 1 ¼-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL.
Each foot of ¼-inch tubing will have a volume of approximately 10 mL.

APPENDIX C

Analytical Laboratory Results

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 200-20955-1

SDG Number: 200-20955-1

Job Description: LMC Utica

For:
ARCADIS U.S., Inc.
10 Friends Lane
Suite 200
Newtown, PA 18940

Attention: Mr. Jeffrey Bonsteel



Approved for release.
Don C Dawicki
Manager of Project Management
2/28/2014 4:16 PM

Don C Dawicki, Manager of Project Management
30 Community Drive, South Burlington, VT, 05403
(802)660-1990
don.dawicki@testamericainc.com
02/28/2014

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: LMC Utica

Report Number: 200-20955-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 02/14/2014 and 02/17/2014; the samples arrived in good condition.

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): IA-VMP-2B. The container labels lists a stop time of 1725, while the COC lists A stop time of 1724.Used stop time from COC for Log in.

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): IA-VMP-7, IA-VMP-7A. The container labels lists IA-VMP-7A and IA-VMP-7, while the COC lists IA-VMP-7 and IA-VMP-7A. The client was contacted, and the lab was instructed to use ID's from canister labels for log in.

VOLATILE ORGANIC COMPOUNDS

Samples IA-VMP-1B, AMB-021314, IA-VMP-2B, IA-VMP-2C, IA-VMP-3A, IA-VMP-3B, IA-VMP-3D, IA-VMP-5B, IA-VMP-6A, IA-VMP-6B, IA-VMP-3E, IA-VMP-4, IA-VMP-5A, IA-VMP-7A, IA-VMP-7, IA-VMP-8D and IA-DUP-021214 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 02/17/2014, 02/18/2014, 02/22/2014, 02/24/2014, 02/25/2014 and 02/26/2014.

1,3-Dichlorobenzene and 1,4-Dichlorobenzene were detected in method blank MB 200-68730/4 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Several analytes were detected in method blank MB 200-68870/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Hexachloro-1,3-butadiene failed the recovery criteria high for LCS 200-68811/3. 1,2,4-Trichlorobenzene and Naphthalene failed the recovery criteria high for LCS 200-68870/4. Refer to the QC report for details.

The continuing calibration verification (CCV) associated with batch 68811 recovered above the upper control limit for Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: IA-VMP-7.

The continuing calibration verification (CCV) associated with batch 68870 recovered above the upper control limit for Acetone and Naphthalene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: IA-VMP-5A.

Several samples in this delivery group yielded concentrations of Isopropyl Alcohol that exceeded the range of calibrated instrument response. Per the client's instructions additional dilution analyses were not performed, in order to provide for lower reporting limits.

Samples IA-VMP-3A[12.9X], IA-VMP-5B[13X], IA-VMP-6A[14.8X], IA-VMP-6B[10X], IA-VMP-5A[38.3X], IA-VMP-7A[10X] and IA-VMP-7[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOC analysis.

All other quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHC.i Analysis Batch Number: 66774

Lab Sample ID: IC 200-66774/3 Client Sample ID:

Date Analyzed: 01/03/14 09:43 Lab File ID: cma003.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	3.98	Peak not found by the data system	lyonsb	01/14/14 12:59
1,1-Dichloroethane	9.28	Peak not found by the data system	lyonsb	01/14/14 12:59
Carbon tetrachloride	11.61	Baseline Event	lyonsb	01/14/14 12:59
Trichloroethene	13.48	Baseline Event	lyonsb	01/14/14 12:59

Lab Sample ID: IC 200-66774/4 Client Sample ID:

Date Analyzed: 01/03/14 10:35 Lab File ID: cma004.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl bromide	5.48	Peak not found by the data system	lyonsb	01/21/14 12:15
Isopropyl alcohol	7.40	Peak not found by the data system	lyonsb	01/21/14 12:15
tert-Butyl alcohol	8.21	Peak not found by the data system	lyonsb	01/21/14 12:15
Heptane	12.48	Baseline Event	lyonsb	01/21/14 12:15

Lab Sample ID: IC 200-66774/5 Client Sample ID:

Date Analyzed: 01/03/14 11:28 Lab File ID: cma005.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isopropyl alcohol	7.39	Peak not found by the data system	lyonsb	01/21/14 12:16
tert-Butyl alcohol	8.20	Baseline Event	lyonsb	01/21/14 12:16

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHC.i Analysis Batch Number: 66774

Lab Sample ID: ICIS 200-66774/7 Client Sample ID:

Date Analyzed: 01/03/14 13:12 Lab File ID: cma007.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	7.78	Peak not found by the data system	lyonsb	01/14/14 12:49

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHG.i Analysis Batch Number: 68619

Lab Sample ID: IC 200-68619/6 Client Sample ID:

Date Analyzed: 02/20/14 16:25 Lab File ID: 6246_006.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	13.12	Baseline Event	daiglep	02/21/14 11:51
Tetrachloroethene	16.97	Baseline Event	daiglep	02/21/14 11:51

Lab Sample ID: IC 200-68619/7 Client Sample ID:

Date Analyzed: 02/20/14 17:12 Lab File ID: 6246_007.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	8.19	Baseline Event	daiglep	02/21/14 11:54

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHG.i Analysis Batch Number: 68745

Lab Sample ID: 200-20955-7 Client Sample ID: IA-VMP-3A

Date Analyzed: 02/22/14 01:30 Lab File ID: 6267_019.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.99	Baseline Event	lyonsb	02/24/14 10:46

Lab Sample ID: 200-20955-15 Client Sample ID: IA-VMP-6A

Date Analyzed: 02/22/14 06:11 Lab File ID: 6267_025.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.99	Baseline Event	lyonsb	02/24/14 10:49

Lab Sample ID: 200-20955-17 Client Sample ID: IA-VMP-6B

Date Analyzed: 02/22/14 07:45 Lab File ID: 6267_027.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.99	Baseline Event	lyonsb	02/24/14 10:51

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHG.i Analysis Batch Number: 68811

Lab Sample ID: 200-20955-27 Client Sample ID: IA-VMP-7

Date Analyzed: 02/25/14 20:57 Lab File ID: 6318_010.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.99	Baseline Event	lyonsb	02/26/14 11:37
Heptane	12.18	Baseline Event	lyonsb	02/26/14 11:37
Toluene	15.86	Baseline Event	lyonsb	02/26/14 11:37
m,p-Xylene	19.27	Baseline Event	lyonsb	02/26/14 11:37
Xylene, o-	20.09	Baseline Event	lyonsb	02/26/14 11:37

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHW.i Analysis Batch Number: 68234

Lab Sample ID: IC 200-68234/4 Client Sample ID:

Date Analyzed: 02/11/14 19:12 Lab File ID: 6101_004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	15.21	Baseline Event	lyonsb	02/12/14 09:19
Tetrachloroethene	18.69	Baseline Event	lyonsb	02/12/14 09:19

Lab Sample ID: IC 200-68234/5 Client Sample ID:

Date Analyzed: 02/11/14 20:02 Lab File ID: 6101_005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 22	4.53	Baseline Event	lyonsb	02/12/14 09:18
Chloromethane	5.02	Baseline Event	lyonsb	02/12/14 09:18
Ethanol	7.84	Baseline Event	lyonsb	02/12/14 09:18
Acrolein	8.43	Baseline Event	lyonsb	02/12/14 09:18
Allyl chloride	9.40	Baseline Event	lyonsb	02/12/14 09:18
Methyl tert-butyl ether	10.18	Baseline Event	lyonsb	02/12/14 09:18
Acrylonitrile	10.39	Baseline Event	lyonsb	02/12/14 09:18
Hexane	10.66	Baseline Event	lyonsb	02/12/14 09:18
Ethyl acetate	12.42	Baseline Event	lyonsb	02/12/14 09:18
Cyclohexane	13.27	Baseline Event	lyonsb	02/12/14 09:18
1,1,1-Trichloroethane	13.29	Baseline Event	lyonsb	02/12/14 09:18
Heptane	14.29	Baseline Event	lyonsb	02/12/14 09:18
n-Butanol	15.05	Baseline Event	lyonsb	02/12/14 09:18
1,4-Dioxane	15.93	Baseline Event	lyonsb	02/12/14 09:18
cis-1,3-Dichloropropene	17.08	Baseline Event	lyonsb	02/12/14 09:18
trans-1,3-Dichloropropene	18.19	Baseline Event	lyonsb	02/12/14 09:18
Methyl Butyl Ketone (2-Hexanone)	18.96	Baseline Event	lyonsb	02/12/14 09:18
Ethylbenzene	20.61	Baseline Event	lyonsb	02/12/14 09:18
Styrene	21.58	Baseline Event	lyonsb	02/12/14 09:18
Naphthalene	28.30	Baseline Event	lyonsb	02/12/14 09:18

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHW.i Analysis Batch Number: 68234

Lab Sample ID: IC 200-68234/6 Client Sample ID:

Date Analyzed: 02/11/14 20:50 Lab File ID: 6101_006.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	8.42	Baseline Event	lyonsb	02/12/14 09:15
Acrylonitrile	10.40	Baseline Event	lyonsb	02/12/14 09:15
cis-1,2-Dichloroethene	12.38	Baseline Event	lyonsb	02/12/14 09:15
1,1,2-Trichloroethane	18.56	Baseline Event	lyonsb	02/12/14 09:15
n-Dodecane	26.44	Baseline Event	lyonsb	02/12/14 09:15
Naphthalene	28.32	Baseline Event	lyonsb	02/12/14 09:15

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHW.i Analysis Batch Number: 68420

Lab Sample ID: 200-20955-9 Client Sample ID: IA-VMP-3B

Date Analyzed: 02/18/14 02:23 Lab File ID: 6171_019.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	13.26	Baseline Event	lyonsb	02/18/14 10:45
Benzene	14.00	Baseline Event	lyonsb	02/18/14 10:45
Heptane	14.28	Baseline Event	lyonsb	02/18/14 10:45
Tetrachloroethene	18.70	Baseline Event	lyonsb	02/18/14 10:45

Lab Sample ID: 200-20955-11 Client Sample ID: IA-VMP-3D

Date Analyzed: 02/18/14 03:13 Lab File ID: 6171_020.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 113	8.49	Baseline Event	lyonsb	02/18/14 10:47
Hexane	10.68	Baseline Event	lyonsb	02/18/14 10:47
Tetrachloroethene	18.71	Baseline Event	lyonsb	02/18/14 10:47
m,p-Xylene	20.83	Baseline Event	lyonsb	02/18/14 10:47
Xylene, o-	21.55	Baseline Event	lyonsb	02/18/14 10:47

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHW.i Analysis Batch Number: 68730

Lab Sample ID: 200-20955-31 Client Sample ID: IA-DUP-021214

Date Analyzed: 02/24/14 18:25 Lab File ID: 6282_009.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloroethene	18.70	Baseline Event	lyonsb	02/25/14 09:11

Lab Sample ID: 200-20969-2 Client Sample ID: AMB-021314

Date Analyzed: 02/25/14 04:13 Lab File ID: 6282_021.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 113	8.45	Baseline Event	lyonsb	02/25/14 09:56

Lab Sample ID: 200-20955-26 Client Sample ID: IA-VMP-7A

Date Analyzed: 02/25/14 07:37 Lab File ID: 6282_025.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	13.26	Baseline Event	lyonsb	02/25/14 09:48

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-20955-1	IA-VMP-1B	Air	02/12/2014 1905	02/14/2014 1320
200-20955-3	IA-VMP-2B	Air	02/12/2014 1724	02/14/2014 1320
200-20955-5	IA-VMP-2C	Air	02/12/2014 1727	02/14/2014 1320
200-20955-7	IA-VMP-3A	Air	02/12/2014 1702	02/14/2014 1320
200-20955-9	IA-VMP-3B	Air	02/12/2014 1722	02/14/2014 1320
200-20955-11	IA-VMP-3D	Air	02/12/2014 1632	02/14/2014 1320
200-20955-13	IA-VMP-5B	Air	02/12/2014 1714	02/14/2014 1320
200-20955-15	IA-VMP-6A	Air	02/12/2014 1652	02/14/2014 1320
200-20955-17	IA-VMP-6B	Air	02/12/2014 1708	02/14/2014 1320
200-20955-19	IA-VMP-3E	Air	02/12/2014 1640	02/14/2014 1320
200-20955-21	IA-VMP-4	Air	02/12/2014 1730	02/14/2014 1320
200-20955-23	IA-VMP-5A	Air	02/12/2014 1655	02/14/2014 1320
200-20955-26	IA-VMP-7A	Air	02/12/2014 1815	02/14/2014 1320
200-20955-27	IA-VMP-7	Air	02/12/2014 1907	02/14/2014 1320
200-20955-29	IA-VMP-8D	Air	02/12/2014 1634	02/14/2014 1320
200-20955-31	IA-DUP-021214	Air	02/12/2014 0000	02/14/2014 1320
200-20969-2	AMB-021314	Air	02/13/2014 2000	02/17/2014 0940

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-1	**IA-VMP-1B**					
Freon 12		0.51		0.50	ppb v/v	TO-15
Freon 12		2.5		2.5	ug/m3	TO-15
Freon 22		0.31	J	0.50	ppb v/v	TO-15
Freon 22		1.1	J	1.8	ug/m3	TO-15
Chloromethane		0.55		0.50	ppb v/v	TO-15
Chloromethane		1.1		1.0	ug/m3	TO-15
n-Butane		1.4		0.50	ppb v/v	TO-15
n-Butane		3.4		1.2	ug/m3	TO-15
1,3-Butadiene		0.26		0.20	ppb v/v	TO-15
1,3-Butadiene		0.58		0.44	ug/m3	TO-15
Freon 11		0.60		0.20	ppb v/v	TO-15
Freon 11		3.4		1.1	ug/m3	TO-15
Freon 113		0.081	J	0.20	ppb v/v	TO-15
Freon 113		0.62	J	1.5	ug/m3	TO-15
Acetone		4.4	J	5.0	ppb v/v	TO-15
Acetone		11	J	12	ug/m3	TO-15
Isopropyl alcohol		82	E	5.0	ppb v/v	TO-15
Isopropyl alcohol		200	E	12	ug/m3	TO-15
Methylene Chloride		1.5		0.50	ppb v/v	TO-15
Methylene Chloride		5.3		1.7	ug/m3	TO-15
Hexane		0.53		0.20	ppb v/v	TO-15
Hexane		1.9		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.54		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.6		1.5	ug/m3	TO-15
Cyclohexane		16		0.20	ppb v/v	TO-15
Cyclohexane		55		0.69	ug/m3	TO-15
Carbon tetrachloride		0.060		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.38		0.25	ug/m3	TO-15
2,2,4-Trimethylpentane		0.29		0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		1.4		0.93	ug/m3	TO-15
Benzene		0.31		0.20	ppb v/v	TO-15
Benzene		1.0		0.64	ug/m3	TO-15
Heptane		0.38		0.20	ppb v/v	TO-15
Heptane		1.6		0.82	ug/m3	TO-15
Toluene		0.75		0.20	ppb v/v	TO-15
Toluene		2.8		0.75	ug/m3	TO-15
Tetrachloroethene		0.032	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.22	J	1.4	ug/m3	TO-15
Chlorobenzene		0.080	J	0.20	ppb v/v	TO-15
Chlorobenzene		0.37	J	0.92	ug/m3	TO-15
Ethylbenzene		0.12	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.51	J	0.87	ug/m3	TO-15
m,p-Xylene		0.17	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.72	J	2.2	ug/m3	TO-15
Xylene, o-		0.058	J	0.20	ppb v/v	TO-15
Xylene, o-		0.25	J	0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene (total)		0.23		0.20	ppb v/v	TO-15
Xylene (total)		0.99		0.87	ug/m3	TO-15
Styrene		0.23		0.20	ppb v/v	TO-15
Styrene		0.98		0.85	ug/m3	TO-15
4-Ethyltoluene		0.052	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.25	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.030	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.15	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.055	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.27	J	0.98	ug/m3	TO-15
sec-Butylbenzene		0.29		0.20	ppb v/v	TO-15
sec-Butylbenzene		1.6		1.1	ug/m3	TO-15
4-Isopropyltoluene		0.13	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.69	J	1.1	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-3	**IA-VMP-2B**					
Freon 12		0.48	J	0.50	ppb v/v	TO-15
Freon 12		2.4	J	2.5	ug/m3	TO-15
Freon 22		10		0.50	ppb v/v	TO-15
Freon 22		36		1.8	ug/m3	TO-15
Chloromethane		0.51		0.50	ppb v/v	TO-15
Chloromethane		1.1		1.0	ug/m3	TO-15
n-Butane		1.1		0.50	ppb v/v	TO-15
n-Butane		2.5		1.2	ug/m3	TO-15
1,3-Butadiene		0.37		0.20	ppb v/v	TO-15
1,3-Butadiene		0.81		0.44	ug/m3	TO-15
Freon 11		0.43		0.20	ppb v/v	TO-15
Freon 11		2.4		1.1	ug/m3	TO-15
Freon 113		0.068	J	0.20	ppb v/v	TO-15
Freon 113		0.52	J	1.5	ug/m3	TO-15
Acetone		3.5	J	5.0	ppb v/v	TO-15
Acetone		8.4	J	12	ug/m3	TO-15
Isopropyl alcohol		140	E	5.0	ppb v/v	TO-15
Isopropyl alcohol		340	E	12	ug/m3	TO-15
Methylene Chloride		1.1		0.50	ppb v/v	TO-15
Methylene Chloride		3.8		1.7	ug/m3	TO-15
Hexane		0.20		0.20	ppb v/v	TO-15
Hexane		0.71		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.52		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.5		1.5	ug/m3	TO-15
Cyclohexane		18		0.20	ppb v/v	TO-15
Cyclohexane		64		0.69	ug/m3	TO-15
Carbon tetrachloride		0.069		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.43		0.25	ug/m3	TO-15
Benzene		0.31		0.20	ppb v/v	TO-15
Benzene		0.98		0.64	ug/m3	TO-15
Toluene		0.68		0.20	ppb v/v	TO-15
Toluene		2.5		0.75	ug/m3	TO-15
Chlorobenzene		0.11	J	0.20	ppb v/v	TO-15
Chlorobenzene		0.51	J	0.92	ug/m3	TO-15
Ethylbenzene		0.13	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.56	J	0.87	ug/m3	TO-15
m,p-Xylene		0.11	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.46	J	2.2	ug/m3	TO-15
Xylene, o-		0.039	J	0.20	ppb v/v	TO-15
Xylene, o-		0.17	J	0.87	ug/m3	TO-15
Xylene (total)		0.15	J	0.20	ppb v/v	TO-15
Xylene (total)		0.65	J	0.87	ug/m3	TO-15
Styrene		0.42		0.20	ppb v/v	TO-15
Styrene		1.8		0.85	ug/m3	TO-15
4-Ethyltoluene		0.050	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.25	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
1,3,5-Trimethylbenzene		0.054	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.27	J	0.98	ug/m3	TO-15
2-Chlorotoluene		0.051	J	0.20	ppb v/v	TO-15
2-Chlorotoluene		0.26	J	1.0	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.042	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.20	J	0.98	ug/m3	TO-15
sec-Butylbenzene		0.090	J	0.20	ppb v/v	TO-15
sec-Butylbenzene		0.49	J	1.1	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-5	**IA-VMP-2C**					
Freon 12		0.49	J	0.50	ppb v/v	TO-15
Freon 12		2.4	J	2.5	ug/m3	TO-15
Freon 22		9.4		0.50	ppb v/v	TO-15
Freon 22		33		1.8	ug/m3	TO-15
Chloromethane		0.52		0.50	ppb v/v	TO-15
Chloromethane		1.1		1.0	ug/m3	TO-15
n-Butane		1.3		0.50	ppb v/v	TO-15
n-Butane		3.0		1.2	ug/m3	TO-15
1,3-Butadiene		0.31		0.20	ppb v/v	TO-15
1,3-Butadiene		0.68		0.44	ug/m3	TO-15
Freon 11		0.44		0.20	ppb v/v	TO-15
Freon 11		2.5		1.1	ug/m3	TO-15
Freon 113		0.075	J	0.20	ppb v/v	TO-15
Freon 113		0.58	J	1.5	ug/m3	TO-15
Acetone		4.6	J	5.0	ppb v/v	TO-15
Acetone		11	J	12	ug/m3	TO-15
Isopropyl alcohol		150	E	5.0	ppb v/v	TO-15
Isopropyl alcohol		380	E	12	ug/m3	TO-15
Methylene Chloride		1.8		0.50	ppb v/v	TO-15
Methylene Chloride		6.4		1.7	ug/m3	TO-15
Hexane		0.27		0.20	ppb v/v	TO-15
Hexane		0.94		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.71		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.1		1.5	ug/m3	TO-15
Tetrahydrofuran		0.32	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.95	J	15	ug/m3	TO-15
Cyclohexane		20		0.20	ppb v/v	TO-15
Cyclohexane		67		0.69	ug/m3	TO-15
Carbon tetrachloride		0.074		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.47		0.25	ug/m3	TO-15
Benzene		0.32		0.20	ppb v/v	TO-15
Benzene		1.0		0.64	ug/m3	TO-15
Heptane		0.18	J	0.20	ppb v/v	TO-15
Heptane		0.72	J	0.82	ug/m3	TO-15
Methyl methacrylate		0.10	J	0.50	ppb v/v	TO-15
Methyl methacrylate		0.42	J	2.0	ug/m3	TO-15
Toluene		0.78		0.20	ppb v/v	TO-15
Toluene		2.9		0.75	ug/m3	TO-15
Chlorobenzene		0.12	J	0.20	ppb v/v	TO-15
Chlorobenzene		0.57	J	0.92	ug/m3	TO-15
Ethylbenzene		0.14	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.63	J	0.87	ug/m3	TO-15
m,p-Xylene		0.18	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.79	J	2.2	ug/m3	TO-15
Xylene, o-		0.065	J	0.20	ppb v/v	TO-15
Xylene, o-		0.28	J	0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene (total)		0.25		0.20	ppb v/v	TO-15
Xylene (total)		1.1		0.87	ug/m3	TO-15
Styrene		0.50		0.20	ppb v/v	TO-15
Styrene		2.1		0.85	ug/m3	TO-15
4-Ethyltoluene		0.078	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.38	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.032	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.16	J	0.98	ug/m3	TO-15
2-Chlorotoluene		0.066	J	0.20	ppb v/v	TO-15
2-Chlorotoluene		0.34	J	1.0	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.071	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.35	J	0.98	ug/m3	TO-15
sec-Butylbenzene		0.12	J	0.20	ppb v/v	TO-15
sec-Butylbenzene		0.64	J	1.1	ug/m3	TO-15
200-20955-7	**IA-VMP-3A**					
Freon 22		2.8	J	6.5	ppb v/v	TO-15
Freon 22		9.8	J	23	ug/m3	TO-15
Isopropyl alcohol		330		65	ppb v/v	TO-15
Isopropyl alcohol		810		160	ug/m3	TO-15
Methylene Chloride		440		6.5	ppb v/v	TO-15
Methylene Chloride		1500		22	ug/m3	TO-15
Tetrahydrofuran		6.8	J	65	ppb v/v	TO-15
Tetrahydrofuran		20	J	190	ug/m3	TO-15
Cyclohexane		2.5	J	2.6	ppb v/v	TO-15
Cyclohexane		8.7	J	8.9	ug/m3	TO-15
Toluene		1.5	J	2.6	ppb v/v	TO-15
Toluene		5.5	J	9.7	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-9	**IA-VMP-3B**					
Freon 12		0.46	J	0.50	ppb v/v	TO-15
Freon 12		2.3	J	2.5	ug/m3	TO-15
n-Butane		1.0		0.50	ppb v/v	TO-15
n-Butane		2.4		1.2	ug/m3	TO-15
Freon 11		0.25		0.20	ppb v/v	TO-15
Freon 11		1.4		1.1	ug/m3	TO-15
Freon 113		0.072	J	0.20	ppb v/v	TO-15
Freon 113		0.56	J	1.5	ug/m3	TO-15
Acetone		4.9	J	5.0	ppb v/v	TO-15
Acetone		12	J	12	ug/m3	TO-15
Isopropyl alcohol		38		5.0	ppb v/v	TO-15
Isopropyl alcohol		94		12	ug/m3	TO-15
Methylene Chloride		11		0.50	ppb v/v	TO-15
Methylene Chloride		39		1.7	ug/m3	TO-15
Hexane		0.13	J	0.20	ppb v/v	TO-15
Hexane		0.47	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.79		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.3		1.5	ug/m3	TO-15
Cyclohexane		0.83		0.20	ppb v/v	TO-15
Cyclohexane		2.9		0.69	ug/m3	TO-15
Carbon tetrachloride		0.065		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.41		0.25	ug/m3	TO-15
Benzene		0.27		0.20	ppb v/v	TO-15
Benzene		0.86		0.64	ug/m3	TO-15
Heptane		0.12	J	0.20	ppb v/v	TO-15
Heptane		0.49	J	0.82	ug/m3	TO-15
Toluene		0.56		0.20	ppb v/v	TO-15
Toluene		2.1		0.75	ug/m3	TO-15
Tetrachloroethene		0.047	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.32	J	1.4	ug/m3	TO-15
Ethylbenzene		0.048	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.21	J	0.87	ug/m3	TO-15
m,p-Xylene		0.091	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.39	J	2.2	ug/m3	TO-15
Xylene (total)		0.091	J	0.20	ppb v/v	TO-15
Xylene (total)		0.40	J	0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-11	**IA-VMP-3D**					
Freon 12		0.48	J	0.50	ppb v/v	TO-15
Freon 12		2.4	J	2.5	ug/m3	TO-15
n-Butane		0.98		0.50	ppb v/v	TO-15
n-Butane		2.3		1.2	ug/m3	TO-15
Freon 11		0.26		0.20	ppb v/v	TO-15
Freon 11		1.5		1.1	ug/m3	TO-15
Freon 113		0.081	J	0.20	ppb v/v	TO-15
Freon 113		0.62	J	1.5	ug/m3	TO-15
Acetone		3.6	J	5.0	ppb v/v	TO-15
Acetone		8.4	J	12	ug/m3	TO-15
Isopropyl alcohol		31		5.0	ppb v/v	TO-15
Isopropyl alcohol		76		12	ug/m3	TO-15
Methylene Chloride		6.8		0.50	ppb v/v	TO-15
Methylene Chloride		24		1.7	ug/m3	TO-15
Hexane		0.14	J	0.20	ppb v/v	TO-15
Hexane		0.48	J	0.70	ug/m3	TO-15
Cyclohexane		0.87		0.20	ppb v/v	TO-15
Cyclohexane		3.0		0.69	ug/m3	TO-15
Carbon tetrachloride		0.072		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.45		0.25	ug/m3	TO-15
Benzene		0.31		0.20	ppb v/v	TO-15
Benzene		0.98		0.64	ug/m3	TO-15
Methyl methacrylate		0.30	J	0.50	ppb v/v	TO-15
Methyl methacrylate		1.2	J	2.0	ug/m3	TO-15
Toluene		0.46		0.20	ppb v/v	TO-15
Toluene		1.7		0.75	ug/m3	TO-15
Tetrachloroethene		0.057	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.39	J	1.4	ug/m3	TO-15
Ethylbenzene		0.056	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.24	J	0.87	ug/m3	TO-15
m,p-Xylene		0.13	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.56	J	2.2	ug/m3	TO-15
Xylene, o-		0.044	J	0.20	ppb v/v	TO-15
Xylene, o-		0.19	J	0.87	ug/m3	TO-15
Xylene (total)		0.17	J	0.20	ppb v/v	TO-15
Xylene (total)		0.76	J	0.87	ug/m3	TO-15
Styrene		0.066	J	0.20	ppb v/v	TO-15
Styrene		0.28	J	0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.041	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.20	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-13	**IA-VMP-5B**					
Freon 22		2.4	J	6.5	ppb v/v	TO-15
Freon 22		8.5	J	23	ug/m3	TO-15
Isopropyl alcohol		300		65	ppb v/v	TO-15
Isopropyl alcohol		740		160	ug/m3	TO-15
Methylene Chloride		420		6.5	ppb v/v	TO-15
Methylene Chloride		1500		23	ug/m3	TO-15
Tetrahydrofuran		6.6	J	65	ppb v/v	TO-15
Tetrahydrofuran		19	J	190	ug/m3	TO-15
Cyclohexane		2.4	J	2.6	ppb v/v	TO-15
Cyclohexane		8.3	J	8.9	ug/m3	TO-15
Toluene		1.4	J	2.6	ppb v/v	TO-15
Toluene		5.4	J	9.8	ug/m3	TO-15
200-20955-15	**IA-VMP-6A**					
Isopropyl alcohol		430		74	ppb v/v	TO-15
Isopropyl alcohol		1100		180	ug/m3	TO-15
Methylene Chloride		320		7.4	ppb v/v	TO-15
Methylene Chloride		1100		26	ug/m3	TO-15
Tetrahydrofuran		19	J	74	ppb v/v	TO-15
Tetrahydrofuran		57	J	220	ug/m3	TO-15
Cyclohexane		3.3		3.0	ppb v/v	TO-15
Cyclohexane		11		10	ug/m3	TO-15
Toluene		1.7	J	3.0	ppb v/v	TO-15
Toluene		6.3	J	11	ug/m3	TO-15
200-20955-17	**IA-VMP-6B**					
Freon 22		0.75	J	5.0	ppb v/v	TO-15
Freon 22		2.7	J	18	ug/m3	TO-15
Isopropyl alcohol		280		50	ppb v/v	TO-15
Isopropyl alcohol		690		120	ug/m3	TO-15
Methylene Chloride		370		5.0	ppb v/v	TO-15
Methylene Chloride		1300		17	ug/m3	TO-15
Tetrahydrofuran		9.2	J	50	ppb v/v	TO-15
Tetrahydrofuran		27	J	150	ug/m3	TO-15
Cyclohexane		3.1		2.0	ppb v/v	TO-15
Cyclohexane		11		6.9	ug/m3	TO-15
Toluene		1.5	J	2.0	ppb v/v	TO-15
Toluene		5.6	J	7.5	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-19	**IA-VMP-3E**					
Freon 12		0.53		0.50	ppb v/v	TO-15
Freon 12		2.6		2.5	ug/m3	TO-15
Freon 22		4.1		0.50	ppb v/v	TO-15
Freon 22		14		1.8	ug/m3	TO-15
Chloromethane		0.62		0.50	ppb v/v	TO-15
Chloromethane		1.3		1.0	ug/m3	TO-15
n-Butane		1.4		0.50	ppb v/v	TO-15
n-Butane		3.2		1.2	ug/m3	TO-15
1,3-Butadiene		0.12	J	0.20	ppb v/v	TO-15
1,3-Butadiene		0.27	J	0.44	ug/m3	TO-15
Freon 11		0.29		0.20	ppb v/v	TO-15
Freon 11		1.6		1.1	ug/m3	TO-15
Freon 113		0.086	J	0.20	ppb v/v	TO-15
Freon 113		0.66	J	1.5	ug/m3	TO-15
Acetone		6.3		5.0	ppb v/v	TO-15
Acetone		15		12	ug/m3	TO-15
Isopropyl alcohol		46	E	5.0	ppb v/v	TO-15
Isopropyl alcohol		110	E	12	ug/m3	TO-15
Methylene Chloride		2.2		0.50	ppb v/v	TO-15
Methylene Chloride		7.5		1.7	ug/m3	TO-15
Hexane		0.27		0.20	ppb v/v	TO-15
Hexane		0.96		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.51		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.5		1.5	ug/m3	TO-15
Tetrahydrofuran		0.093	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.27	J	15	ug/m3	TO-15
Cyclohexane		1.9		0.20	ppb v/v	TO-15
Cyclohexane		6.5		0.69	ug/m3	TO-15
Carbon tetrachloride		0.068		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.43		0.25	ug/m3	TO-15
2,2,4-Trimethylpentane		0.094	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.44	J	0.93	ug/m3	TO-15
Benzene		0.33		0.20	ppb v/v	TO-15
Benzene		1.1		0.64	ug/m3	TO-15
Methyl methacrylate		0.088	J	0.50	ppb v/v	TO-15
Methyl methacrylate		0.36	J	2.0	ug/m3	TO-15
Toluene		0.87		0.20	ppb v/v	TO-15
Toluene		3.3		0.75	ug/m3	TO-15
Tetrachloroethene		0.058	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.39	J	1.4	ug/m3	TO-15
Ethylbenzene		0.083	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.36	J	0.87	ug/m3	TO-15
m,p-Xylene		0.18	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.79	J	2.2	ug/m3	TO-15
Xylene, o-		0.047	J	0.20	ppb v/v	TO-15
Xylene, o-		0.21	J	0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene (total)		0.23		0.20	ppb v/v	TO-15
Xylene (total)		0.99		0.87	ug/m3	TO-15
Styrene		0.031	J	0.20	ppb v/v	TO-15
Styrene		0.13	J	0.85	ug/m3	TO-15
sec-Butylbenzene		0.70		0.20	ppb v/v	TO-15
sec-Butylbenzene		3.8		1.1	ug/m3	TO-15
4-Isopropyltoluene		0.25		0.20	ppb v/v	TO-15
4-Isopropyltoluene		1.4		1.1	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-21	**IA-VMP-4**					
Freon 12		0.49	J	0.50	ppb v/v	TO-15
Freon 12		2.4	J	2.5	ug/m3	TO-15
Freon 22		14		0.50	ppb v/v	TO-15
Freon 22		49		1.8	ug/m3	TO-15
n-Butane		1.1		0.50	ppb v/v	TO-15
n-Butane		2.5		1.2	ug/m3	TO-15
1,3-Butadiene		0.23		0.20	ppb v/v	TO-15
1,3-Butadiene		0.51		0.44	ug/m3	TO-15
Freon 11		0.44		0.20	ppb v/v	TO-15
Freon 11		2.5		1.1	ug/m3	TO-15
Freon 113		0.052	J	0.20	ppb v/v	TO-15
Freon 113		0.40	J	1.5	ug/m3	TO-15
Acetone		4.5	J	5.0	ppb v/v	TO-15
Acetone		11	J	12	ug/m3	TO-15
Isopropyl alcohol		160	E	5.0	ppb v/v	TO-15
Isopropyl alcohol		400	E	12	ug/m3	TO-15
Methylene Chloride		1.8		0.50	ppb v/v	TO-15
Methylene Chloride		6.3		1.7	ug/m3	TO-15
Hexane		0.20		0.20	ppb v/v	TO-15
Hexane		0.71		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.60		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.8		1.5	ug/m3	TO-15
Cyclohexane		19		0.20	ppb v/v	TO-15
Cyclohexane		67		0.69	ug/m3	TO-15
Carbon tetrachloride		0.066		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.42		0.25	ug/m3	TO-15
2,2,4-Trimethylpentane		0.11	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.53	J	0.93	ug/m3	TO-15
Benzene		0.29		0.20	ppb v/v	TO-15
Benzene		0.93		0.64	ug/m3	TO-15
Heptane		0.13	J	0.20	ppb v/v	TO-15
Heptane		0.53	J	0.82	ug/m3	TO-15
Methyl methacrylate		0.097	J	0.50	ppb v/v	TO-15
Methyl methacrylate		0.40	J	2.0	ug/m3	TO-15
1,4-Dioxane		0.59	J	5.0	ppb v/v	TO-15
1,4-Dioxane		2.1	J	18	ug/m3	TO-15
Toluene		0.71		0.20	ppb v/v	TO-15
Toluene		2.7		0.75	ug/m3	TO-15
Chlorobenzene		0.097	J	0.20	ppb v/v	TO-15
Chlorobenzene		0.45	J	0.92	ug/m3	TO-15
Ethylbenzene		0.13	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.55	J	0.87	ug/m3	TO-15
m,p-Xylene		0.15	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.65	J	2.2	ug/m3	TO-15
Xylene, o-		0.056	J	0.20	ppb v/v	TO-15
Xylene, o-		0.24	J	0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene (total)		0.21		0.20	ppb v/v	TO-15
Xylene (total)		0.89		0.87	ug/m3	TO-15
Styrene		0.47		0.20	ppb v/v	TO-15
Styrene		2.0		0.85	ug/m3	TO-15
4-Ethyltoluene		0.052	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.26	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.031	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.15	J	0.98	ug/m3	TO-15
2-Chlorotoluene		0.054	J	0.20	ppb v/v	TO-15
2-Chlorotoluene		0.28	J	1.0	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.053	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.26	J	0.98	ug/m3	TO-15
sec-Butylbenzene		0.11	J	0.20	ppb v/v	TO-15
sec-Butylbenzene		0.62	J	1.1	ug/m3	TO-15
200-20955-23	**IA-VMP-5A**					
Freon 22		8.1	J	19	ppb v/v	TO-15
Freon 22		29	J	68	ug/m3	TO-15
Isopropyl alcohol		710		190	ppb v/v	TO-15
Isopropyl alcohol		1700		470	ug/m3	TO-15
Methylene Chloride		470		19	ppb v/v	TO-15
Methylene Chloride		1600		67	ug/m3	TO-15
Tetrahydrofuran		6.4	J	190	ppb v/v	TO-15
Tetrahydrofuran		19	J	560	ug/m3	TO-15
Toluene		1.9	J	7.7	ppb v/v	TO-15
Toluene		7.1	J	29	ug/m3	TO-15
1,2,4-Trichlorobenzene		1.1	J * B	19	ppb v/v	TO-15
1,2,4-Trichlorobenzene		8.3	J * B	140	ug/m3	TO-15
200-20955-26	**IA-VMP-7A**					
Isopropyl alcohol		230		50	ppb v/v	TO-15
Isopropyl alcohol		560		120	ug/m3	TO-15
Methylene Chloride		190		5.0	ppb v/v	TO-15
Methylene Chloride		640		17	ug/m3	TO-15
Tetrahydrofuran		11	J	50	ppb v/v	TO-15
Tetrahydrofuran		33	J	150	ug/m3	TO-15
Cyclohexane		1.6	J	2.0	ppb v/v	TO-15
Cyclohexane		5.5	J	6.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-27	**IA-VMP-7**					
Freon 22		1.7	J	5.0	ppb v/v	TO-15
Freon 22		6.0	J	18	ug/m3	TO-15
Isopropyl alcohol		130		50	ppb v/v	TO-15
Isopropyl alcohol		320		120	ug/m3	TO-15
Methylene Chloride		100		5.0	ppb v/v	TO-15
Methylene Chloride		360		17	ug/m3	TO-15
Tetrahydrofuran		1.6	J	50	ppb v/v	TO-15
Tetrahydrofuran		4.7	J	150	ug/m3	TO-15
Cyclohexane		0.54	J	2.0	ppb v/v	TO-15
Cyclohexane		1.9	J	6.9	ug/m3	TO-15
Toluene		0.54	J	2.0	ppb v/v	TO-15
Toluene		2.0	J	7.5	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-29	**IA-VMP-8D**					
Freon 12		0.47	J	0.50	ppb v/v	TO-15
Freon 12		2.3	J	2.5	ug/m3	TO-15
Freon 22		0.24	J	0.50	ppb v/v	TO-15
Freon 22		0.84	J	1.8	ug/m3	TO-15
Chloromethane		0.53		0.50	ppb v/v	TO-15
Chloromethane		1.1		1.0	ug/m3	TO-15
n-Butane		7.2		0.50	ppb v/v	TO-15
n-Butane		17		1.2	ug/m3	TO-15
1,3-Butadiene		0.13	J	0.20	ppb v/v	TO-15
1,3-Butadiene		0.30	J	0.44	ug/m3	TO-15
Freon 11		0.22		0.20	ppb v/v	TO-15
Freon 11		1.2		1.1	ug/m3	TO-15
Freon 113		0.064	J	0.20	ppb v/v	TO-15
Freon 113		0.49	J	1.5	ug/m3	TO-15
Acetone		8.5		5.0	ppb v/v	TO-15
Acetone		20		12	ug/m3	TO-15
Isopropyl alcohol		8.9		5.0	ppb v/v	TO-15
Isopropyl alcohol		22		12	ug/m3	TO-15
Methylene Chloride		0.38	J	0.50	ppb v/v	TO-15
Methylene Chloride		1.3	J	1.7	ug/m3	TO-15
Hexane		0.16	J	0.20	ppb v/v	TO-15
Hexane		0.58	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.8		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		5.3		1.5	ug/m3	TO-15
Carbon tetrachloride		0.042		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.26		0.25	ug/m3	TO-15
Benzene		0.31		0.20	ppb v/v	TO-15
Benzene		1.0		0.64	ug/m3	TO-15
Methyl methacrylate		0.29	J	0.50	ppb v/v	TO-15
Methyl methacrylate		1.2	J	2.0	ug/m3	TO-15
Toluene		2.1		0.20	ppb v/v	TO-15
Toluene		8.0		0.75	ug/m3	TO-15
Ethylbenzene		0.054	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.24	J	0.87	ug/m3	TO-15
m,p-Xylene		0.15	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.64	J	2.2	ug/m3	TO-15
Xylene, o-		0.055	J	0.20	ppb v/v	TO-15
Xylene, o-		0.24	J	0.87	ug/m3	TO-15
Xylene (total)		0.21		0.20	ppb v/v	TO-15
Xylene (total)		0.89		0.87	ug/m3	TO-15
4-Isopropyltoluene		0.091	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.50	J	1.1	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-31	**IA-DUP-021214**					
Freon 12		0.59		0.50	ppb v/v	TO-15
Freon 12		2.9		2.5	ug/m3	TO-15
Freon 22		0.37	J	0.50	ppb v/v	TO-15
Freon 22		1.3	J	1.8	ug/m3	TO-15
Chloromethane		0.61		0.50	ppb v/v	TO-15
Chloromethane		1.3		1.0	ug/m3	TO-15
n-Butane		1.2		0.50	ppb v/v	TO-15
n-Butane		2.8		1.2	ug/m3	TO-15
1,3-Butadiene		0.27		0.20	ppb v/v	TO-15
1,3-Butadiene		0.60		0.44	ug/m3	TO-15
Freon 11		0.67		0.20	ppb v/v	TO-15
Freon 11		3.8		1.1	ug/m3	TO-15
Freon 113		0.090	J	0.20	ppb v/v	TO-15
Freon 113		0.69	J	1.5	ug/m3	TO-15
Acetone		4.0	J	5.0	ppb v/v	TO-15
Acetone		9.5	J	12	ug/m3	TO-15
Isopropyl alcohol		93	E	5.0	ppb v/v	TO-15
Isopropyl alcohol		230	E	12	ug/m3	TO-15
Carbon disulfide		0.24	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.74	J	1.6	ug/m3	TO-15
Methylene Chloride		1.7		0.50	ppb v/v	TO-15
Methylene Chloride		6.0		1.7	ug/m3	TO-15
Hexane		0.33		0.20	ppb v/v	TO-15
Hexane		1.2		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.61		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.8		1.5	ug/m3	TO-15
Cyclohexane		19		0.20	ppb v/v	TO-15
Cyclohexane		64		0.69	ug/m3	TO-15
Carbon tetrachloride		0.083		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.52		0.25	ug/m3	TO-15
2,2,4-Trimethylpentane		0.17	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.79	J	0.93	ug/m3	TO-15
Benzene		0.37		0.20	ppb v/v	TO-15
Benzene		1.2		0.64	ug/m3	TO-15
Heptane		0.23		0.20	ppb v/v	TO-15
Heptane		0.93		0.82	ug/m3	TO-15
Toluene		0.84		0.20	ppb v/v	TO-15
Toluene		3.2		0.75	ug/m3	TO-15
Tetrachloroethene		0.035	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.24	J	1.4	ug/m3	TO-15
Chlorobenzene		0.091	J	0.20	ppb v/v	TO-15
Chlorobenzene		0.42	J	0.92	ug/m3	TO-15
Ethylbenzene		0.13	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.57	J	0.87	ug/m3	TO-15
m,p-Xylene		0.19	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.82	J	2.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-		0.069	J	0.20	ppb v/v	TO-15
Xylene, o-		0.30	J	0.87	ug/m3	TO-15
Xylene (total)		0.26		0.20	ppb v/v	TO-15
Xylene (total)		1.1		0.87	ug/m3	TO-15
Styrene		0.26		0.20	ppb v/v	TO-15
Styrene		1.1		0.85	ug/m3	TO-15
4-Ethyltoluene		0.028	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.14	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.024	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.12	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.062	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.30	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20969-2	**AMB-021314**					
Freon 12		0.50		0.50	ppb v/v	TO-15
Freon 12		2.5		2.5	ug/m3	TO-15
Freon 22		0.30	J	0.50	ppb v/v	TO-15
Freon 22		1.1	J	1.8	ug/m3	TO-15
Chloromethane		0.54		0.50	ppb v/v	TO-15
Chloromethane		1.1		1.0	ug/m3	TO-15
n-Butane		2.2		0.50	ppb v/v	TO-15
n-Butane		5.1		1.2	ug/m3	TO-15
Freon 11		0.22		0.20	ppb v/v	TO-15
Freon 11		1.2		1.1	ug/m3	TO-15
Freon 113		0.077	J	0.20	ppb v/v	TO-15
Freon 113		0.59	J	1.5	ug/m3	TO-15
Acetone		4.0	J	5.0	ppb v/v	TO-15
Acetone		9.6	J	12	ug/m3	TO-15
Isopropyl alcohol		2.3	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		5.8	J	12	ug/m3	TO-15
Hexane		0.52		0.20	ppb v/v	TO-15
Hexane		1.8		0.70	ug/m3	TO-15
Cyclohexane		0.087	J	0.20	ppb v/v	TO-15
Cyclohexane		0.30	J	0.69	ug/m3	TO-15
Carbon tetrachloride		0.074		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.47		0.25	ug/m3	TO-15
2,2,4-Trimethylpentane		0.15	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.72	J	0.93	ug/m3	TO-15
Benzene		0.43		0.20	ppb v/v	TO-15
Benzene		1.4		0.64	ug/m3	TO-15
Heptane		0.33		0.20	ppb v/v	TO-15
Heptane		1.4		0.82	ug/m3	TO-15
Trichloroethene		0.16		0.040	ppb v/v	TO-15
Trichloroethene		0.84		0.21	ug/m3	TO-15
Toluene		0.51		0.20	ppb v/v	TO-15
Toluene		1.9		0.75	ug/m3	TO-15
Ethylbenzene		0.077	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.33	J	0.87	ug/m3	TO-15
m,p-Xylene		0.22	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.96	J	2.2	ug/m3	TO-15
Xylene, o-		0.071	J	0.20	ppb v/v	TO-15
Xylene, o-		0.31	J	0.87	ug/m3	TO-15
Xylene (total)		0.29		0.20	ppb v/v	TO-15
Xylene (total)		1.3		0.87	ug/m3	TO-15
4-Ethyltoluene		0.022	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.11	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.020	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.097	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.051	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.25	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

METHOD SUMMARY

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method	Analyst	Analyst ID
EPA TO-15	Daigle, Paul A	PAD
EPA TO-15	Desjardins, William R	WRD
EPA TO-15	Lyons, Benjamin P	BPL

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-1B**

Lab Sample ID: 200-20955-1
Client Matrix: Air

Date Sampled: 02/12/2014 1905
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_015.d
Dilution:	1.0			Initial Weight/Volume:	344 mL
Analysis Date:	02/17/2014 2303			Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 2303			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.51		0.030	0.50
Freon 22	0.31	J	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.55		0.14	0.50
n-Butane	1.4		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.26		0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.60		0.030	0.20
Freon 113	0.081	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	4.4	J	1.3	5.0
Isopropyl alcohol	82	E	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	1.5		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.53		0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.54		0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	16		0.025	0.20
Carbon tetrachloride	0.060		0.021	0.040
2,2,4-Trimethylpentane	0.29		0.027	0.20
Benzene	0.31		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.38		0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.75		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.032	J	0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-1B**

Lab Sample ID: 200-20955-1
Client Matrix: Air

Date Sampled: 02/12/2014 1905
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_015.d
Dilution:	1.0			Initial Weight/Volume:	344 mL
Analysis Date:	02/17/2014 2303			Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 2303			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.080	J	0.0081	0.20
Ethylbenzene	0.12	J	0.013	0.20
m,p-Xylene	0.17	J	0.023	0.50
Xylene, o-	0.058	J	0.016	0.20
Xylene (total)	0.23		0.034	0.20
Styrene	0.23		0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.052	J	0.018	0.20
1,3,5-Trimethylbenzene	0.030	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.055	J	0.014	0.20
sec-Butylbenzene	0.29		0.080	0.20
4-Isopropyltoluene	0.13	J	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.5		0.15	2.5
Freon 22	1.1	J	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.1		0.28	1.0
n-Butane	3.4		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.58		0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	3.4		0.17	1.1
Freon 113	0.62	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	11	J	3.0	12
Isopropyl alcohol	200	E	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-1B**

Lab Sample ID: 200-20955-1
Client Matrix: Air

Date Sampled: 02/12/2014 1905
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_015.d
Dilution:	1.0			Initial Weight/Volume:	344 mL
Analysis Date:	02/17/2014 2303			Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 2303			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	5.3		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	1.9		0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.6		0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	55		0.086	0.69
Carbon tetrachloride	0.38		0.13	0.25
2,2,4-Trimethylpentane	1.4		0.13	0.93
Benzene	1.0		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	1.6		0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	2.8		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	0.22	J	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.37	J	0.037	0.92
Ethylbenzene	0.51	J	0.056	0.87
m,p-Xylene	0.72	J	0.10	2.2
Xylene, o-	0.25	J	0.069	0.87
Xylene (total)	0.99		0.15	0.87
Styrene	0.98		0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.25	J	0.088	0.98
1,3,5-Trimethylbenzene	0.15	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.27	J	0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-1B**

Lab Sample ID: 200-20955-1
Client Matrix: Air

Date Sampled: 02/12/2014 1905
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_015.d
Dilution:	1.0			Initial Weight/Volume:	344 mL
Analysis Date:	02/17/2014 2303			Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 2303			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.6		0.44	1.1
4-Isopropyltoluene	0.69	J	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-2B**

Lab Sample ID: 200-20955-3
Client Matrix: Air

Date Sampled: 02/12/2014 1724
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/17/2014 2352			Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 2352			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.48	J	0.030	0.50
Freon 22	10		0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.51		0.14	0.50
n-Butane	1.1		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.37		0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.43		0.030	0.20
Freon 113	0.068	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	3.5	J	1.3	5.0
Isopropyl alcohol	140	E	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	1.1		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20		0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.52		0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	18		0.025	0.20
Carbon tetrachloride	0.069		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.31		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.68		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.20	U	0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-2B**

Lab Sample ID: 200-20955-3
Client Matrix: Air

Date Sampled: 02/12/2014 1724
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/17/2014 2352			Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 2352			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.11	J	0.0081	0.20
Ethylbenzene	0.13	J	0.013	0.20
m,p-Xylene	0.11	J	0.023	0.50
Xylene, o-	0.039	J	0.016	0.20
Xylene (total)	0.15	J	0.034	0.20
Styrene	0.42		0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.050	J	0.018	0.20
1,3,5-Trimethylbenzene	0.054	J	0.012	0.20
2-Chlorotoluene	0.051	J	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.042	J	0.014	0.20
sec-Butylbenzene	0.090	J	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.4	J	0.15	2.5
Freon 22	36		0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.1		0.28	1.0
n-Butane	2.5		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.81		0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	2.4		0.17	1.1
Freon 113	0.52	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	8.4	J	3.0	12
Isopropyl alcohol	340	E	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-2B**

Lab Sample ID: 200-20955-3
Client Matrix: Air

Date Sampled: 02/12/2014 1724
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/17/2014 2352			Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 2352			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	3.8		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.71		0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5		0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	64		0.086	0.69
Carbon tetrachloride	0.43		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.98		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	2.5		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.51	J	0.037	0.92
Ethylbenzene	0.56	J	0.056	0.87
m,p-Xylene	0.46	J	0.10	2.2
Xylene, o-	0.17	J	0.069	0.87
Xylene (total)	0.65	J	0.15	0.87
Styrene	1.8		0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.25	J	0.088	0.98
1,3,5-Trimethylbenzene	0.27	J	0.059	0.98
2-Chlorotoluene	0.26	J	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.20	J	0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-2B**

Lab Sample ID: 200-20955-3
Client Matrix: Air

Date Sampled: 02/12/2014 1724
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/17/2014 2352			Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 2352			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	0.49	J	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-2C**

Lab Sample ID: 200-20955-5
Client Matrix: Air

Date Sampled: 02/12/2014 1727
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0044			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0044			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.49	J	0.030	0.50
Freon 22	9.4		0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.52		0.14	0.50
n-Butane	1.3		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.31		0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.44		0.030	0.20
Freon 113	0.075	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	4.6	J	1.3	5.0
Isopropyl alcohol	150	E	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	1.8		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.27		0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.71		0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	0.32	J	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	20		0.025	0.20
Carbon tetrachloride	0.074		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.32		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.18	J	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.10	J	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.78		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.20	U	0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-2C**

Lab Sample ID: 200-20955-5
Client Matrix: Air

Date Sampled: 02/12/2014 1727
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0044			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0044			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.12	J	0.0081	0.20
Ethylbenzene	0.14	J	0.013	0.20
m,p-Xylene	0.18	J	0.023	0.50
Xylene, o-	0.065	J	0.016	0.20
Xylene (total)	0.25		0.034	0.20
Styrene	0.50		0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.078	J	0.018	0.20
1,3,5-Trimethylbenzene	0.032	J	0.012	0.20
2-Chlorotoluene	0.066	J	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.071	J	0.014	0.20
sec-Butylbenzene	0.12	J	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.4	J	0.15	2.5
Freon 22	33		0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.1		0.28	1.0
n-Butane	3.0		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.68		0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	2.5		0.17	1.1
Freon 113	0.58	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	11	J	3.0	12
Isopropyl alcohol	380	E	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-2C**

Lab Sample ID: 200-20955-5
Client Matrix: Air

Date Sampled: 02/12/2014 1727
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0044			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0044			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	6.4		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.94		0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	2.1		0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	0.95	J	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	67		0.086	0.69
Carbon tetrachloride	0.47		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	1.0		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.72	J	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	0.42	J	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	2.9		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.57	J	0.037	0.92
Ethylbenzene	0.63	J	0.056	0.87
m,p-Xylene	0.79	J	0.10	2.2
Xylene, o-	0.28	J	0.069	0.87
Xylene (total)	1.1		0.15	0.87
Styrene	2.1		0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.38	J	0.088	0.98
1,3,5-Trimethylbenzene	0.16	J	0.059	0.98
2-Chlorotoluene	0.34	J	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.35	J	0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-2C**

Lab Sample ID: 200-20955-5
Client Matrix: Air

Date Sampled: 02/12/2014 1727
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0044			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0044			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	0.64	J	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-3A**

Lab Sample ID: 200-20955-7
Client Matrix: Air

Date Sampled: 02/12/2014 1702
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_019.D
Dilution:	12.9			Initial Weight/Volume:	47 mL
Analysis Date:	02/22/2014 0130			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0130			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	6.5	U	0.39	6.5
Freon 22	2.8	J	0.62	6.5
Freon-114	2.6	U	0.45	2.6
Chloromethane	6.5	U	1.8	6.5
n-Butane	6.5	U	3.6	6.5
Vinyl chloride	0.52	U	0.49	0.52
1,3-Butadiene	2.6	U	0.54	2.6
Bromomethane	2.6	U	0.36	2.6
Chloroethane	6.5	U	0.39	6.5
Vinyl bromide	2.6	U	0.39	2.6
Freon 11	2.6	U	0.39	2.6
Freon 113	2.6	U	0.23	2.6
1,1-Dichloroethene	2.6	U	0.31	2.6
Acetone	65	U	16	65
Isopropyl alcohol	330		2.8	65
Carbon disulfide	6.5	U	0.85	6.5
Allyl chloride	6.5	U	0.44	6.5
Methylene Chloride	440		1.6	6.5
tert-Butyl alcohol	65	U	4.2	65
Methyl tert-butyl ether	2.6	U	0.28	2.6
trans-1,2-Dichloroethene	2.6	U	0.37	2.6
Hexane	2.6	U	0.44	2.6
1,1-Dichloroethane	2.6	U	0.49	2.6
Methyl Ethyl Ketone	6.5	U	3.1	6.5
cis-1,2-Dichloroethene	2.6	U	0.49	2.6
1,2-Dichloroethene, Total	2.6	U	0.83	2.6
Chloroform	2.6	U	0.32	2.6
Tetrahydrofuran	6.8	J	0.59	65
1,1,1-Trichloroethane	2.6	U	0.27	2.6
Cyclohexane	2.5	J	0.32	2.6
Carbon tetrachloride	0.52	U	0.27	0.52
2,2,4-Trimethylpentane	2.6	U	0.35	2.6
Benzene	2.6	U	0.25	2.6
1,2-Dichloroethane	2.6	U	0.22	2.6
Heptane	2.6	U	0.59	2.6
Trichloroethene	0.52	U	0.31	0.52
Methyl methacrylate	6.5	U	0.39	6.5
1,2-Dichloropropane	2.6	U	0.41	2.6
1,4-Dioxane	65	U	2.6	65
Bromodichloromethane	2.6	U	0.22	2.6
cis-1,3-Dichloropropene	2.6	U	0.36	2.6
methyl isobutyl ketone	6.5	U	0.35	6.5
Toluene	1.5	J	0.22	2.6
trans-1,3-Dichloropropene	2.6	U	0.28	2.6
1,1,2-Trichloroethane	2.6	U	0.22	2.6
Tetrachloroethene	2.6	U	0.21	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-3A**

Lab Sample ID: 200-20955-7
Client Matrix: Air

Date Sampled: 02/12/2014 1702
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_019.D
Dilution:	12.9			Initial Weight/Volume:	47 mL
Analysis Date:	02/22/2014 0130			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0130			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	6.5	U	2.6	6.5
Dibromochloromethane	2.6	U	0.26	2.6
1,2-Dibromoethane	2.6	U	0.26	2.6
Chlorobenzene	2.6	U	0.10	2.6
Ethylbenzene	2.6	U	0.17	2.6
m,p-Xylene	6.5	U	0.30	6.5
Xylene, o-	2.6	U	0.21	2.6
Xylene (total)	2.6	U	0.44	2.6
Styrene	2.6	U	0.23	2.6
Bromoform	2.6	U	0.13	2.6
1,1,2,2-Tetrachloroethane	2.6	U	0.21	2.6
n-Propylbenzene	2.6	U	1.0	2.6
4-Ethyltoluene	2.6	U	0.23	2.6
1,3,5-Trimethylbenzene	2.6	U	0.15	2.6
2-Chlorotoluene	2.6	U	0.17	2.6
tert-Butylbenzene	2.6	U	0.22	2.6
1,2,4-Trimethylbenzene	2.6	U	0.18	2.6
sec-Butylbenzene	2.6	U	1.0	2.6
4-Isopropyltoluene	2.6	U	1.0	2.6
1,3-Dichlorobenzene	2.6	U	0.18	2.6
1,4-Dichlorobenzene	2.6	U	0.18	2.6
Benzyl chloride	2.6	U	1.0	2.6
n-Butylbenzene	2.6	U	1.0	2.6
1,2-Dichlorobenzene	2.6	U	0.18	2.6
1,2,4-Trichlorobenzene	6.5	U	0.35	6.5
Hexachloro-1,3-butadiene	2.6	U	0.28	2.6
Naphthalene	6.5	U	2.6	6.5

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	32	U	1.9	32
Freon 22	9.8	J	2.2	23
Freon-114	18	U	3.2	18
Chloromethane	13	U	3.6	13
n-Butane	15	U	8.6	15
Vinyl chloride	1.3	U	1.3	1.3
1,3-Butadiene	5.7	U	1.2	5.7
Bromomethane	10	U	1.4	10
Chloroethane	17	U	1.0	17
Vinyl bromide	11	U	1.7	11
Freon 11	14	U	2.2	14
Freon 113	20	U	1.8	20
1,1-Dichloroethene	10	U	1.2	10
Acetone	150	U	38	150
Isopropyl alcohol	810		6.8	160
Carbon disulfide	20	U	2.7	20
Allyl chloride	20	U	1.4	20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-3A**

Lab Sample ID: 200-20955-7
Client Matrix: Air

Date Sampled: 02/12/2014 1702
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_019.D
Dilution:	12.9			Initial Weight/Volume:	47 mL
Analysis Date:	02/22/2014 0130			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0130			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	1500		5.6	22
tert-Butyl alcohol	200	U	13	200
Methyl tert-butyl ether	9.3	U	1.0	9.3
trans-1,2-Dichloroethene	10	U	1.5	10
Hexane	9.1	U	1.5	9.1
1,1-Dichloroethane	10	U	2.0	10
Methyl Ethyl Ketone	19	U	9.2	19
cis-1,2-Dichloroethene	10	U	1.9	10
1,2-Dichloroethene, Total	10	U	3.3	10
Chloroform	13	U	1.6	13
Tetrahydrofuran	20	J	1.8	190
1,1,1-Trichloroethane	14	U	1.5	14
Cyclohexane	8.7	J	1.1	8.9
Carbon tetrachloride	3.2	U	1.7	3.2
2,2,4-Trimethylpentane	12	U	1.6	12
Benzene	8.2	U	0.78	8.2
1,2-Dichloroethane	10	U	0.89	10
Heptane	11	U	2.4	11
Trichloroethene	2.8	U	1.7	2.8
Methyl methacrylate	26	U	1.6	26
1,2-Dichloropropane	12	U	1.9	12
1,4-Dioxane	230	U	9.3	230
Bromodichloromethane	17	U	1.5	17
cis-1,3-Dichloropropene	12	U	1.6	12
methyl isobutyl ketone	26	U	1.4	26
Toluene	5.5	J	0.83	9.7
trans-1,3-Dichloropropene	12	U	1.3	12
1,1,2-Trichloroethane	14	U	1.2	14
Tetrachloroethene	17	U	1.4	17
Methyl Butyl Ketone (2-Hexanone)	26	U	11	26
Dibromochloromethane	22	U	2.2	22
1,2-Dibromoethane	20	U	2.0	20
Chlorobenzene	12	U	0.48	12
Ethylbenzene	11	U	0.73	11
m,p-Xylene	28	U	1.3	28
Xylene, o-	11	U	0.90	11
Xylene (total)	11	U	1.9	11
Styrene	11	U	0.99	11
Bromoform	27	U	1.3	27
1,1,2,2-Tetrachloroethane	18	U	1.4	18
n-Propylbenzene	13	U	5.1	13
4-Ethyltoluene	13	U	1.1	13
1,3,5-Trimethylbenzene	13	U	0.76	13
2-Chlorotoluene	13	U	0.87	13
tert-Butylbenzene	14	U	1.2	14
1,2,4-Trimethylbenzene	13	U	0.89	13

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-3A**

Lab Sample ID: 200-20955-7
Client Matrix: Air

Date Sampled: 02/12/2014 1702
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_019.D
Dilution:	12.9			Initial Weight/Volume:	47 mL
Analysis Date:	02/22/2014 0130			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0130			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	14	U	5.7	14
4-Isopropyltoluene	14	U	5.7	14
1,3-Dichlorobenzene	16	U	1.1	16
1,4-Dichlorobenzene	16	U	1.1	16
Benzyl chloride	13	U	5.3	13
n-Butylbenzene	14	U	5.7	14
1,2-Dichlorobenzene	16	U	1.1	16
1,2,4-Trichlorobenzene	48	U	2.6	48
Hexachloro-1,3-butadiene	28	U	3.0	28
Naphthalene	34	U	14	34

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-3B**

Lab Sample ID: 200-20955-9
Client Matrix: Air

Date Sampled: 02/12/2014 1722
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0223			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0223			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.46	J	0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	1.0		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.25		0.030	0.20
Freon 113	0.072	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	4.9	J	1.3	5.0
Isopropyl alcohol	38		0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	11		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.13	J	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.79		0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.83		0.025	0.20
Carbon tetrachloride	0.065		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.27		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.12	J	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.56		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.047	J	0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-3B**

Lab Sample ID: 200-20955-9
Client Matrix: Air

Date Sampled: 02/12/2014 1722
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0223			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0223			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.048	J	0.013	0.20
m,p-Xylene	0.091	J	0.023	0.50
Xylene, o-	0.20	U	0.016	0.20
Xylene (total)	0.091	J	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.3	J	0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	2.4		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.4		0.17	1.1
Freon 113	0.56	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12	J	3.0	12
Isopropyl alcohol	94		0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-3B**

Lab Sample ID: 200-20955-9
Client Matrix: Air

Date Sampled: 02/12/2014 1722
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0223			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0223			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	39		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.47	J	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	2.3		0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	2.9		0.086	0.69
Carbon tetrachloride	0.41		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.86		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.49	J	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	2.1		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	0.32	J	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.21	J	0.056	0.87
m,p-Xylene	0.39	J	0.10	2.2
Xylene, o-	0.87	U	0.069	0.87
Xylene (total)	0.40	J	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-3B**

Lab Sample ID: 200-20955-9
Client Matrix: Air

Date Sampled: 02/12/2014 1722
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0223			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0223			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-3D**

Lab Sample ID: 200-20955-11
Client Matrix: Air

Date Sampled: 02/12/2014 1632
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_020.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0313			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0313			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.48	J	0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.98		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.26		0.030	0.20
Freon 113	0.081	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	3.6	J	1.3	5.0
Isopropyl alcohol	31		0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	6.8		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.14	J	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.87		0.025	0.20
Carbon tetrachloride	0.072		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.31		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.30	J	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.46		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.057	J	0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-3D**

Lab Sample ID: 200-20955-11
Client Matrix: Air

Date Sampled: 02/12/2014 1632
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_020.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0313			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0313			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.056	J	0.013	0.20
m,p-Xylene	0.13	J	0.023	0.50
Xylene, o-	0.044	J	0.016	0.20
Xylene (total)	0.17	J	0.034	0.20
Styrene	0.066	J	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.041	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.4	J	0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	2.3		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.5		0.17	1.1
Freon 113	0.62	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	8.4	J	3.0	12
Isopropyl alcohol	76		0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-3D**

Lab Sample ID: 200-20955-11
Client Matrix: Air

Date Sampled: 02/12/2014 1632
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_020.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0313			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0313			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	24		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.48	J	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	3.0		0.086	0.69
Carbon tetrachloride	0.45		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.98		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	1.2	J	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	1.7		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	0.39	J	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.24	J	0.056	0.87
m,p-Xylene	0.56	J	0.10	2.2
Xylene, o-	0.19	J	0.069	0.87
Xylene (total)	0.76	J	0.15	0.87
Styrene	0.28	J	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.20	J	0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-3D**

Lab Sample ID: 200-20955-11
Client Matrix: Air

Date Sampled: 02/12/2014 1632
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_020.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0313			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0313			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-5B**

Lab Sample ID: 200-20955-13
Client Matrix: Air

Date Sampled: 02/12/2014 1714
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_023.D
Dilution:	13			Initial Weight/Volume:	24 mL
Analysis Date:	02/22/2014 0438			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0438			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	6.5	U	0.39	6.5
Freon 22	2.4	J	0.62	6.5
Freon-114	2.6	U	0.46	2.6
Chloromethane	6.5	U	1.8	6.5
n-Butane	6.5	U	3.7	6.5
Vinyl chloride	0.52	U	0.49	0.52
1,3-Butadiene	2.6	U	0.55	2.6
Bromomethane	2.6	U	0.36	2.6
Chloroethane	6.5	U	0.39	6.5
Vinyl bromide	2.6	U	0.39	2.6
Freon 11	2.6	U	0.39	2.6
Freon 113	2.6	U	0.23	2.6
1,1-Dichloroethene	2.6	U	0.31	2.6
Acetone	65	U	16	65
Isopropyl alcohol	300		2.8	65
Carbon disulfide	6.5	U	0.86	6.5
Allyl chloride	6.5	U	0.44	6.5
Methylene Chloride	420		1.6	6.5
tert-Butyl alcohol	65	U	4.3	65
Methyl tert-butyl ether	2.6	U	0.29	2.6
trans-1,2-Dichloroethene	2.6	U	0.38	2.6
Hexane	2.6	U	0.44	2.6
1,1-Dichloroethane	2.6	U	0.49	2.6
Methyl Ethyl Ketone	6.5	U	3.1	6.5
cis-1,2-Dichloroethene	2.6	U	0.49	2.6
1,2-Dichloroethene, Total	2.6	U	0.83	2.6
Chloroform	2.6	U	0.33	2.6
Tetrahydrofuran	6.6	J	0.60	65
1,1,1-Trichloroethane	2.6	U	0.27	2.6
Cyclohexane	2.4	J	0.33	2.6
Carbon tetrachloride	0.52	U	0.27	0.52
2,2,4-Trimethylpentane	2.6	U	0.35	2.6
Benzene	2.6	U	0.25	2.6
1,2-Dichloroethane	2.6	U	0.22	2.6
Heptane	2.6	U	0.60	2.6
Trichloroethene	0.52	U	0.31	0.52
Methyl methacrylate	6.5	U	0.39	6.5
1,2-Dichloropropane	2.6	U	0.42	2.6
1,4-Dioxane	65	U	2.6	65
Bromodichloromethane	2.6	U	0.22	2.6
cis-1,3-Dichloropropene	2.6	U	0.36	2.6
methyl isobutyl ketone	6.5	U	0.35	6.5
Toluene	1.4	J	0.22	2.6
trans-1,3-Dichloropropene	2.6	U	0.29	2.6
1,1,2-Trichloroethane	2.6	U	0.22	2.6
Tetrachloroethene	2.6	U	0.21	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-5B**

Lab Sample ID: 200-20955-13
Client Matrix: Air

Date Sampled: 02/12/2014 1714
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_023.D
Dilution:	13			Initial Weight/Volume:	24 mL
Analysis Date:	02/22/2014 0438			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0438			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	6.5	U	2.6	6.5
Dibromochloromethane	2.6	U	0.26	2.6
1,2-Dibromoethane	2.6	U	0.26	2.6
Chlorobenzene	2.6	U	0.11	2.6
Ethylbenzene	2.6	U	0.17	2.6
m,p-Xylene	6.5	U	0.30	6.5
Xylene, o-	2.6	U	0.21	2.6
Xylene (total)	2.6	U	0.44	2.6
Styrene	2.6	U	0.23	2.6
Bromoform	2.6	U	0.13	2.6
1,1,2,2-Tetrachloroethane	2.6	U	0.21	2.6
n-Propylbenzene	2.6	U	1.0	2.6
4-Ethyltoluene	2.6	U	0.23	2.6
1,3,5-Trimethylbenzene	2.6	U	0.16	2.6
2-Chlorotoluene	2.6	U	0.17	2.6
tert-Butylbenzene	2.6	U	0.22	2.6
1,2,4-Trimethylbenzene	2.6	U	0.18	2.6
sec-Butylbenzene	2.6	U	1.0	2.6
4-Isopropyltoluene	2.6	U	1.0	2.6
1,3-Dichlorobenzene	2.6	U	0.18	2.6
1,4-Dichlorobenzene	2.6	U	0.18	2.6
Benzyl chloride	2.6	U	1.0	2.6
n-Butylbenzene	2.6	U	1.0	2.6
1,2-Dichlorobenzene	2.6	U	0.18	2.6
1,2,4-Trichlorobenzene	6.5	U	0.35	6.5
Hexachloro-1,3-butadiene	2.6	U	0.29	2.6
Naphthalene	6.5	U	2.6	6.5

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	32	U	1.9	32
Freon 22	8.5	J	2.2	23
Freon-114	18	U	3.2	18
Chloromethane	13	U	3.7	13
n-Butane	15	U	8.7	15
Vinyl chloride	1.3	U	1.3	1.3
1,3-Butadiene	5.8	U	1.2	5.8
Bromomethane	10	U	1.4	10
Chloroethane	17	U	1.0	17
Vinyl bromide	11	U	1.7	11
Freon 11	15	U	2.2	15
Freon 113	20	U	1.8	20
1,1-Dichloroethene	10	U	1.2	10
Acetone	150	U	39	150
Isopropyl alcohol	740		6.9	160
Carbon disulfide	20	U	2.7	20
Allyl chloride	20	U	1.4	20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-5B**

Lab Sample ID: 200-20955-13
Client Matrix: Air

Date Sampled: 02/12/2014 1714
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_023.D
Dilution:	13			Initial Weight/Volume:	24 mL
Analysis Date:	02/22/2014 0438			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0438			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	1500		5.6	23
tert-Butyl alcohol	200	U	13	200
Methyl tert-butyl ether	9.4	U	1.0	9.4
trans-1,2-Dichloroethene	10	U	1.5	10
Hexane	9.2	U	1.6	9.2
1,1-Dichloroethane	11	U	2.0	11
Methyl Ethyl Ketone	19	U	9.3	19
cis-1,2-Dichloroethene	10	U	2.0	10
1,2-Dichloroethene, Total	10	U	3.3	10
Chloroform	13	U	1.6	13
Tetrahydrofuran	19	J	1.8	190
1,1,1-Trichloroethane	14	U	1.5	14
Cyclohexane	8.3	J	1.1	8.9
Carbon tetrachloride	3.3	U	1.7	3.3
2,2,4-Trimethylpentane	12	U	1.6	12
Benzene	8.3	U	0.79	8.3
1,2-Dichloroethane	11	U	0.89	11
Heptane	11	U	2.5	11
Trichloroethene	2.8	U	1.7	2.8
Methyl methacrylate	27	U	1.6	27
1,2-Dichloropropane	12	U	1.9	12
1,4-Dioxane	230	U	9.4	230
Bromodichloromethane	17	U	1.5	17
cis-1,3-Dichloropropene	12	U	1.7	12
methyl isobutyl ketone	27	U	1.4	27
Toluene	5.4	J	0.83	9.8
trans-1,3-Dichloropropene	12	U	1.3	12
1,1,2-Trichloroethane	14	U	1.2	14
Tetrachloroethene	18	U	1.4	18
Methyl Butyl Ketone (2-Hexanone)	27	U	11	27
Dibromochloromethane	22	U	2.2	22
1,2-Dibromoethane	20	U	2.0	20
Chlorobenzene	12	U	0.48	12
Ethylbenzene	11	U	0.73	11
m,p-Xylene	28	U	1.3	28
Xylene, o-	11	U	0.90	11
Xylene (total)	11	U	1.9	11
Styrene	11	U	1.0	11
Bromoform	27	U	1.3	27
1,1,2,2-Tetrachloroethane	18	U	1.4	18
n-Propylbenzene	13	U	5.1	13
4-Ethyltoluene	13	U	1.2	13
1,3,5-Trimethylbenzene	13	U	0.77	13
2-Chlorotoluene	13	U	0.87	13
tert-Butylbenzene	14	U	1.2	14
1,2,4-Trimethylbenzene	13	U	0.89	13

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-5B**

Lab Sample ID: 200-20955-13
Client Matrix: Air

Date Sampled: 02/12/2014 1714
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_023.D
Dilution:	13			Initial Weight/Volume:	24 mL
Analysis Date:	02/22/2014 0438			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0438			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	14	U	5.7	14
4-Isopropyltoluene	14	U	5.7	14
1,3-Dichlorobenzene	16	U	1.1	16
1,4-Dichlorobenzene	16	U	1.1	16
Benzyl chloride	13	U	5.4	13
n-Butylbenzene	14	U	5.7	14
1,2-Dichlorobenzene	16	U	1.1	16
1,2,4-Trichlorobenzene	48	U	2.6	48
Hexachloro-1,3-butadiene	28	U	3.1	28
Naphthalene	34	U	14	34

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-6A**

Lab Sample ID: 200-20955-15
Client Matrix: Air

Date Sampled: 02/12/2014 1652
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_025.D
Dilution:	14.8			Initial Weight/Volume:	36 mL
Analysis Date:	02/22/2014 0611			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0611			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	7.4	U	0.44	7.4
Freon 22	7.4	U	0.71	7.4
Freon-114	3.0	U	0.52	3.0
Chloromethane	7.4	U	2.0	7.4
n-Butane	7.4	U	4.2	7.4
Vinyl chloride	0.59	U	0.56	0.59
1,3-Butadiene	3.0	U	0.62	3.0
Bromomethane	3.0	U	0.41	3.0
Chloroethane	7.4	U	0.44	7.4
Vinyl bromide	3.0	U	0.44	3.0
Freon 11	3.0	U	0.44	3.0
Freon 113	3.0	U	0.27	3.0
1,1-Dichloroethene	3.0	U	0.36	3.0
Acetone	74	U	19	74
Isopropyl alcohol	430		3.2	74
Carbon disulfide	7.4	U	0.98	7.4
Allyl chloride	7.4	U	0.50	7.4
Methylene Chloride	320		1.9	7.4
tert-Butyl alcohol	74	U	4.9	74
Methyl tert-butyl ether	3.0	U	0.33	3.0
trans-1,2-Dichloroethene	3.0	U	0.43	3.0
Hexane	3.0	U	0.50	3.0
1,1-Dichloroethane	3.0	U	0.56	3.0
Methyl Ethyl Ketone	7.4	U	3.6	7.4
cis-1,2-Dichloroethene	3.0	U	0.56	3.0
1,2-Dichloroethene, Total	3.0	U	0.95	3.0
Chloroform	3.0	U	0.37	3.0
Tetrahydrofuran	19	J	0.68	74
1,1,1-Trichloroethane	3.0	U	0.31	3.0
Cyclohexane	3.3		0.37	3.0
Carbon tetrachloride	0.59	U	0.31	0.59
2,2,4-Trimethylpentane	3.0	U	0.40	3.0
Benzene	3.0	U	0.28	3.0
1,2-Dichloroethane	3.0	U	0.25	3.0
Heptane	3.0	U	0.68	3.0
Trichloroethene	0.59	U	0.36	0.59
Methyl methacrylate	7.4	U	0.44	7.4
1,2-Dichloropropane	3.0	U	0.47	3.0
1,4-Dioxane	74	U	3.0	74
Bromodichloromethane	3.0	U	0.25	3.0
cis-1,3-Dichloropropene	3.0	U	0.41	3.0
methyl isobutyl ketone	7.4	U	0.40	7.4
Toluene	1.7	J	0.25	3.0
trans-1,3-Dichloropropene	3.0	U	0.33	3.0
1,1,2-Trichloroethane	3.0	U	0.25	3.0
Tetrachloroethene	3.0	U	0.24	3.0

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-6A**

Lab Sample ID: 200-20955-15
Client Matrix: Air

Date Sampled: 02/12/2014 1652
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_025.D
Dilution:	14.8			Initial Weight/Volume:	36 mL
Analysis Date:	02/22/2014 0611			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0611			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	7.4	U	3.0	7.4
Dibromochloromethane	3.0	U	0.30	3.0
1,2-Dibromoethane	3.0	U	0.30	3.0
Chlorobenzene	3.0	U	0.12	3.0
Ethylbenzene	3.0	U	0.19	3.0
m,p-Xylene	7.4	U	0.34	7.4
Xylene, o-	3.0	U	0.24	3.0
Xylene (total)	3.0	U	0.50	3.0
Styrene	3.0	U	0.27	3.0
Bromoform	3.0	U	0.15	3.0
1,1,2,2-Tetrachloroethane	3.0	U	0.24	3.0
n-Propylbenzene	3.0	U	1.2	3.0
4-Ethyltoluene	3.0	U	0.27	3.0
1,3,5-Trimethylbenzene	3.0	U	0.18	3.0
2-Chlorotoluene	3.0	U	0.19	3.0
tert-Butylbenzene	3.0	U	0.25	3.0
1,2,4-Trimethylbenzene	3.0	U	0.21	3.0
sec-Butylbenzene	3.0	U	1.2	3.0
4-Isopropyltoluene	3.0	U	1.2	3.0
1,3-Dichlorobenzene	3.0	U	0.21	3.0
1,4-Dichlorobenzene	3.0	U	0.21	3.0
Benzyl chloride	3.0	U	1.2	3.0
n-Butylbenzene	3.0	U	1.2	3.0
1,2-Dichlorobenzene	3.0	U	0.21	3.0
1,2,4-Trichlorobenzene	7.4	U	0.40	7.4
Hexachloro-1,3-butadiene	3.0	U	0.33	3.0
Naphthalene	7.4	U	3.0	7.4

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	37	U	2.2	37
Freon 22	26	U	2.5	26
Freon-114	21	U	3.6	21
Chloromethane	15	U	4.2	15
n-Butane	18	U	9.9	18
Vinyl chloride	1.5	U	1.4	1.5
1,3-Butadiene	6.5	U	1.4	6.5
Bromomethane	11	U	1.6	11
Chloroethane	20	U	1.2	20
Vinyl bromide	13	U	1.9	13
Freon 11	17	U	2.5	17
Freon 113	23	U	2.0	23
1,1-Dichloroethene	12	U	1.4	12
Acetone	180	U	44	180
Isopropyl alcohol	1100		7.8	180
Carbon disulfide	23	U	3.0	23
Allyl chloride	23	U	1.6	23

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-6A**

Lab Sample ID: 200-20955-15
Client Matrix: Air

Date Sampled: 02/12/2014 1652
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_025.D
Dilution:	14.8			Initial Weight/Volume:	36 mL
Analysis Date:	02/22/2014 0611			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0611			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	1100		6.4	26
tert-Butyl alcohol	220	U	15	220
Methyl tert-butyl ether	11	U	1.2	11
trans-1,2-Dichloroethene	12	U	1.7	12
Hexane	10	U	1.8	10
1,1-Dichloroethane	12	U	2.3	12
Methyl Ethyl Ketone	22	U	11	22
cis-1,2-Dichloroethene	12	U	2.2	12
1,2-Dichloroethene, Total	12	U	3.8	12
Chloroform	14	U	1.8	14
Tetrahydrofuran	57	J	2.0	220
1,1,1-Trichloroethane	16	U	1.7	16
Cyclohexane	11		1.3	10
Carbon tetrachloride	3.7	U	2.0	3.7
2,2,4-Trimethylpentane	14	U	1.9	14
Benzene	9.5	U	0.90	9.5
1,2-Dichloroethane	12	U	1.0	12
Heptane	12	U	2.8	12
Trichloroethene	3.2	U	1.9	3.2
Methyl methacrylate	30	U	1.8	30
1,2-Dichloropropane	14	U	2.2	14
1,4-Dioxane	270	U	11	270
Bromodichloromethane	20	U	1.7	20
cis-1,3-Dichloropropene	13	U	1.9	13
methyl isobutyl ketone	30	U	1.6	30
Toluene	6.3	J	0.95	11
trans-1,3-Dichloropropene	13	U	1.5	13
1,1,2-Trichloroethane	16	U	1.4	16
Tetrachloroethene	20	U	1.6	20
Methyl Butyl Ketone (2-Hexanone)	30	U	12	30
Dibromochloromethane	25	U	2.5	25
1,2-Dibromoethane	23	U	2.3	23
Chlorobenzene	14	U	0.55	14
Ethylbenzene	13	U	0.84	13
m,p-Xylene	32	U	1.5	32
Xylene, o-	13	U	1.0	13
Xylene (total)	13	U	2.2	13
Styrene	13	U	1.1	13
Bromoform	31	U	1.5	31
1,1,2,2-Tetrachloroethane	20	U	1.6	20
n-Propylbenzene	15	U	5.8	15
4-Ethyltoluene	15	U	1.3	15
1,3,5-Trimethylbenzene	15	U	0.87	15
2-Chlorotoluene	15	U	1.0	15
tert-Butylbenzene	16	U	1.4	16
1,2,4-Trimethylbenzene	15	U	1.0	15

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-6A**

Lab Sample ID: 200-20955-15
Client Matrix: Air

Date Sampled: 02/12/2014 1652
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_025.D
Dilution:	14.8			Initial Weight/Volume:	36 mL
Analysis Date:	02/22/2014 0611			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0611			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	16	U	6.5	16
4-Isopropyltoluene	16	U	6.5	16
1,3-Dichlorobenzene	18	U	1.2	18
1,4-Dichlorobenzene	18	U	1.2	18
Benzyl chloride	15	U	6.1	15
n-Butylbenzene	16	U	6.5	16
1,2-Dichlorobenzene	18	U	1.2	18
1,2,4-Trichlorobenzene	55	U	3.0	55
Hexachloro-1,3-butadiene	32	U	3.5	32
Naphthalene	39	U	16	39

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-6B**

Lab Sample ID: 200-20955-17
Client Matrix: Air

Date Sampled: 02/12/2014 1708
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_027.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/22/2014 0745			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0745			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	5.0	U	0.30	5.0
Freon 22	0.75	J	0.48	5.0
Freon-114	2.0	U	0.35	2.0
Chloromethane	5.0	U	1.4	5.0
n-Butane	5.0	U	2.8	5.0
Vinyl chloride	0.40	U	0.38	0.40
1,3-Butadiene	2.0	U	0.42	2.0
Bromomethane	2.0	U	0.28	2.0
Chloroethane	5.0	U	0.30	5.0
Vinyl bromide	2.0	U	0.30	2.0
Freon 11	2.0	U	0.30	2.0
Freon 113	2.0	U	0.18	2.0
1,1-Dichloroethene	2.0	U	0.24	2.0
Acetone	50	U	13	50
Isopropyl alcohol	280		2.2	50
Carbon disulfide	5.0	U	0.66	5.0
Allyl chloride	5.0	U	0.34	5.0
Methylene Chloride	370		1.3	5.0
tert-Butyl alcohol	50	U	3.3	50
Methyl tert-butyl ether	2.0	U	0.22	2.0
trans-1,2-Dichloroethene	2.0	U	0.29	2.0
Hexane	2.0	U	0.34	2.0
1,1-Dichloroethane	2.0	U	0.38	2.0
Methyl Ethyl Ketone	5.0	U	2.4	5.0
cis-1,2-Dichloroethene	2.0	U	0.38	2.0
1,2-Dichloroethene, Total	2.0	U	0.64	2.0
Chloroform	2.0	U	0.25	2.0
Tetrahydrofuran	9.2	J	0.46	50
1,1,1-Trichloroethane	2.0	U	0.21	2.0
Cyclohexane	3.1		0.25	2.0
Carbon tetrachloride	0.40	U	0.21	0.40
2,2,4-Trimethylpentane	2.0	U	0.27	2.0
Benzene	2.0	U	0.19	2.0
1,2-Dichloroethane	2.0	U	0.17	2.0
Heptane	2.0	U	0.46	2.0
Trichloroethene	0.40	U	0.24	0.40
Methyl methacrylate	5.0	U	0.30	5.0
1,2-Dichloropropane	2.0	U	0.32	2.0
1,4-Dioxane	50	U	2.0	50
Bromodichloromethane	2.0	U	0.17	2.0
cis-1,3-Dichloropropene	2.0	U	0.28	2.0
methyl isobutyl ketone	5.0	U	0.27	5.0
Toluene	1.5	J	0.17	2.0
trans-1,3-Dichloropropene	2.0	U	0.22	2.0
1,1,2-Trichloroethane	2.0	U	0.17	2.0
Tetrachloroethene	2.0	U	0.16	2.0

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-6B**

Lab Sample ID: 200-20955-17
Client Matrix: Air

Date Sampled: 02/12/2014 1708
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_027.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/22/2014 0745			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0745			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	5.0	U	2.0	5.0
Dibromochloromethane	2.0	U	0.20	2.0
1,2-Dibromoethane	2.0	U	0.20	2.0
Chlorobenzene	2.0	U	0.081	2.0
Ethylbenzene	2.0	U	0.13	2.0
m,p-Xylene	5.0	U	0.23	5.0
Xylene, o-	2.0	U	0.16	2.0
Xylene (total)	2.0	U	0.34	2.0
Styrene	2.0	U	0.18	2.0
Bromoform	2.0	U	0.10	2.0
1,1,2,2-Tetrachloroethane	2.0	U	0.16	2.0
n-Propylbenzene	2.0	U	0.80	2.0
4-Ethyltoluene	2.0	U	0.18	2.0
1,3,5-Trimethylbenzene	2.0	U	0.12	2.0
2-Chlorotoluene	2.0	U	0.13	2.0
tert-Butylbenzene	2.0	U	0.17	2.0
1,2,4-Trimethylbenzene	2.0	U	0.14	2.0
sec-Butylbenzene	2.0	U	0.80	2.0
4-Isopropyltoluene	2.0	U	0.80	2.0
1,3-Dichlorobenzene	2.0	U	0.14	2.0
1,4-Dichlorobenzene	2.0	U	0.14	2.0
Benzyl chloride	2.0	U	0.80	2.0
n-Butylbenzene	2.0	U	0.80	2.0
1,2-Dichlorobenzene	2.0	U	0.14	2.0
1,2,4-Trichlorobenzene	5.0	U	0.27	5.0
Hexachloro-1,3-butadiene	2.0	U	0.22	2.0
Naphthalene	5.0	U	2.0	5.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	25	U	1.5	25
Freon 22	2.7	J	1.7	18
Freon-114	14	U	2.4	14
Chloromethane	10	U	2.8	10
n-Butane	12	U	6.7	12
Vinyl chloride	1.0	U	0.97	1.0
1,3-Butadiene	4.4	U	0.93	4.4
Bromomethane	7.8	U	1.1	7.8
Chloroethane	13	U	0.79	13
Vinyl bromide	8.7	U	1.3	8.7
Freon 11	11	U	1.7	11
Freon 113	15	U	1.4	15
1,1-Dichloroethene	7.9	U	0.95	7.9
Acetone	120	U	30	120
Isopropyl alcohol	690		5.3	120
Carbon disulfide	16	U	2.1	16
Allyl chloride	16	U	1.1	16

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-6B**

Lab Sample ID: 200-20955-17
Client Matrix: Air

Date Sampled: 02/12/2014 1708
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_027.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/22/2014 0745			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0745			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	1300		4.3	17
tert-Butyl alcohol	150	U	9.9	150
Methyl tert-butyl ether	7.2	U	0.79	7.2
trans-1,2-Dichloroethene	7.9	U	1.1	7.9
Hexane	7.0	U	1.2	7.0
1,1-Dichloroethane	8.1	U	1.5	8.1
Methyl Ethyl Ketone	15	U	7.1	15
cis-1,2-Dichloroethene	7.9	U	1.5	7.9
1,2-Dichloroethene, Total	7.9	U	2.5	7.9
Chloroform	9.8	U	1.2	9.8
Tetrahydrofuran	27	J	1.4	150
1,1,1-Trichloroethane	11	U	1.1	11
Cyclohexane	11		0.86	6.9
Carbon tetrachloride	2.5	U	1.3	2.5
2,2,4-Trimethylpentane	9.3	U	1.3	9.3
Benzene	6.4	U	0.61	6.4
1,2-Dichloroethane	8.1	U	0.69	8.1
Heptane	8.2	U	1.9	8.2
Trichloroethene	2.1	U	1.3	2.1
Methyl methacrylate	20	U	1.2	20
1,2-Dichloropropane	9.2	U	1.5	9.2
1,4-Dioxane	180	U	7.2	180
Bromodichloromethane	13	U	1.1	13
cis-1,3-Dichloropropene	9.1	U	1.3	9.1
methyl isobutyl ketone	20	U	1.1	20
Toluene	5.6	J	0.64	7.5
trans-1,3-Dichloropropene	9.1	U	1.0	9.1
1,1,2-Trichloroethane	11	U	0.93	11
Tetrachloroethene	14	U	1.1	14
Methyl Butyl Ketone (2-Hexanone)	20	U	8.2	20
Dibromochloromethane	17	U	1.7	17
1,2-Dibromoethane	15	U	1.5	15
Chlorobenzene	9.2	U	0.37	9.2
Ethylbenzene	8.7	U	0.56	8.7
m,p-Xylene	22	U	1.0	22
Xylene, o-	8.7	U	0.69	8.7
Xylene (total)	8.7	U	1.5	8.7
Styrene	8.5	U	0.77	8.5
Bromoform	21	U	1.0	21
1,1,2,2-Tetrachloroethane	14	U	1.1	14
n-Propylbenzene	9.8	U	3.9	9.8
4-Ethyltoluene	9.8	U	0.88	9.8
1,3,5-Trimethylbenzene	9.8	U	0.59	9.8
2-Chlorotoluene	10	U	0.67	10
tert-Butylbenzene	11	U	0.93	11
1,2,4-Trimethylbenzene	9.8	U	0.69	9.8

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-6B**

Lab Sample ID: 200-20955-17
Client Matrix: Air

Date Sampled: 02/12/2014 1708
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_027.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/22/2014 0745			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0745			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	11	U	4.4	11
4-Isopropyltoluene	11	U	4.4	11
1,3-Dichlorobenzene	12	U	0.84	12
1,4-Dichlorobenzene	12	U	0.84	12
Benzyl chloride	10	U	4.1	10
n-Butylbenzene	11	U	4.4	11
1,2-Dichlorobenzene	12	U	0.84	12
1,2,4-Trichlorobenzene	37	U	2.0	37
Hexachloro-1,3-butadiene	21	U	2.3	21
Naphthalene	26	U	10	26

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-3E**

Lab Sample ID: 200-20955-19
Client Matrix: Air

Date Sampled: 02/12/2014 1640
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_024.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0637			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0637			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.53		0.030	0.50
Freon 22	4.1		0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.62		0.14	0.50
n-Butane	1.4		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.12	J	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.29		0.030	0.20
Freon 113	0.086	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	6.3		1.3	5.0
Isopropyl alcohol	46	E	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	2.2		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.27		0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.51		0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	0.093	J	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	1.9		0.025	0.20
Carbon tetrachloride	0.068		0.021	0.040
2,2,4-Trimethylpentane	0.094	J	0.027	0.20
Benzene	0.33		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.088	J	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.87		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.058	J	0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-3E**

Lab Sample ID: 200-20955-19
Client Matrix: Air

Date Sampled: 02/12/2014 1640
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_024.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0637			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0637			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.083	J	0.013	0.20
m,p-Xylene	0.18	J	0.023	0.50
Xylene, o-	0.047	J	0.016	0.20
Xylene (total)	0.23		0.034	0.20
Styrene	0.031	J	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.70		0.080	0.20
4-Isopropyltoluene	0.25		0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.6		0.15	2.5
Freon 22	14		0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.3		0.28	1.0
n-Butane	3.2		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.27	J	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.6		0.17	1.1
Freon 113	0.66	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	15		3.0	12
Isopropyl alcohol	110	E	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-3E**

Lab Sample ID: 200-20955-19
Client Matrix: Air

Date Sampled: 02/12/2014 1640
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_024.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0637			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0637			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	7.5		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.96		0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5		0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	0.27	J	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	6.5		0.086	0.69
Carbon tetrachloride	0.43		0.13	0.25
2,2,4-Trimethylpentane	0.44	J	0.13	0.93
Benzene	1.1		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	0.36	J	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	3.3		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	0.39	J	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.36	J	0.056	0.87
m,p-Xylene	0.79	J	0.10	2.2
Xylene, o-	0.21	J	0.069	0.87
Xylene (total)	0.99		0.15	0.87
Styrene	0.13	J	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-3E**

Lab Sample ID: 200-20955-19
Client Matrix: Air

Date Sampled: 02/12/2014 1640
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_024.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0637			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0637			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	3.8		0.44	1.1
4-Isopropyltoluene	1.4		0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-4**

Lab Sample ID: 200-20955-21
Client Matrix: Air

Date Sampled: 02/12/2014 1730
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_025.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0728			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0728			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.49	J	0.030	0.50
Freon 22	14		0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	1.1		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.23		0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.44		0.030	0.20
Freon 113	0.052	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	4.5	J	1.3	5.0
Isopropyl alcohol	160	E	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	1.8		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20		0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.60		0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	19		0.025	0.20
Carbon tetrachloride	0.066		0.021	0.040
2,2,4-Trimethylpentane	0.11	J	0.027	0.20
Benzene	0.29		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.13	J	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.097	J	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	0.59	J	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.71		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.20	U	0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-4**

Lab Sample ID: 200-20955-21
Client Matrix: Air

Date Sampled: 02/12/2014 1730
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_025.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0728			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0728			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.097	J	0.0081	0.20
Ethylbenzene	0.13	J	0.013	0.20
m,p-Xylene	0.15	J	0.023	0.50
Xylene, o-	0.056	J	0.016	0.20
Xylene (total)	0.21		0.034	0.20
Styrene	0.47		0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.052	J	0.018	0.20
1,3,5-Trimethylbenzene	0.031	J	0.012	0.20
2-Chlorotoluene	0.054	J	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.053	J	0.014	0.20
sec-Butylbenzene	0.11	J	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.4	J	0.15	2.5
Freon 22	49		0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	2.5		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.51		0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	2.5		0.17	1.1
Freon 113	0.40	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	11	J	3.0	12
Isopropyl alcohol	400	E	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-4**

Lab Sample ID: 200-20955-21
Client Matrix: Air

Date Sampled: 02/12/2014 1730
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_025.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0728			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0728			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	6.3		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.71		0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.8		0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	67		0.086	0.69
Carbon tetrachloride	0.42		0.13	0.25
2,2,4-Trimethylpentane	0.53	J	0.13	0.93
Benzene	0.93		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.53	J	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	0.40	J	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	2.1	J	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	2.7		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.45	J	0.037	0.92
Ethylbenzene	0.55	J	0.056	0.87
m,p-Xylene	0.65	J	0.10	2.2
Xylene, o-	0.24	J	0.069	0.87
Xylene (total)	0.89		0.15	0.87
Styrene	2.0		0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.26	J	0.088	0.98
1,3,5-Trimethylbenzene	0.15	J	0.059	0.98
2-Chlorotoluene	0.28	J	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.26	J	0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-4**

Lab Sample ID: 200-20955-21
Client Matrix: Air

Date Sampled: 02/12/2014 1730
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6171_025.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/18/2014 0728			Final Weight/Volume:	200 mL
Prep Date:	02/18/2014 0728			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	0.62	J	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-5A**

Lab Sample ID: 200-20955-23
Client Matrix: Air

Date Sampled: 02/12/2014 1655
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68870	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6343_15.D
Dilution:	38.3			Initial Weight/Volume:	20 mL
Analysis Date:	02/26/2014 2337			Final Weight/Volume:	200 mL
Prep Date:	02/26/2014 2337			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	19	U	1.1	19
Freon 22	8.1	J	1.8	19
Freon-114	7.7	U	1.3	7.7
Chloromethane	19	U	5.2	19
n-Butane	19	U	11	19
Vinyl chloride	1.5	U	1.5	1.5
1,3-Butadiene	7.7	U	1.6	7.7
Bromomethane	7.7	U	1.1	7.7
Chloroethane	19	U	1.1	19
Vinyl bromide	7.7	U	1.1	7.7
Freon 11	7.7	U	1.1	7.7
Freon 113	7.7	U	0.69	7.7
1,1-Dichloroethene	7.7	U	0.92	7.7
Acetone	190	U	48	190
Isopropyl alcohol	710		8.2	190
Carbon disulfide	19	U	2.5	19
Allyl chloride	19	U	1.3	19
Methylene Chloride	470		4.8	19
tert-Butyl alcohol	190	U	13	190
Methyl tert-butyl ether	7.7	U	0.84	7.7
trans-1,2-Dichloroethene	7.7	U	1.1	7.7
Hexane	7.7	U	1.3	7.7
1,1-Dichloroethane	7.7	U	1.5	7.7
Methyl Ethyl Ketone	19	U	9.3	19
cis-1,2-Dichloroethene	7.7	U	1.5	7.7
1,2-Dichloroethene, Total	7.7	U	2.5	7.7
Chloroform	7.7	U	0.96	7.7
Tetrahydrofuran	6.4	J	1.8	190
1,1,1-Trichloroethane	7.7	U	0.80	7.7
Cyclohexane	7.7	U	0.96	7.7
Carbon tetrachloride	1.5	U	0.80	1.5
2,2,4-Trimethylpentane	7.7	U	1.0	7.7
Benzene	7.7	U	0.73	7.7
1,2-Dichloroethane	7.7	U	0.65	7.7
Heptane	7.7	U	1.8	7.7
Trichloroethene	1.5	U	0.92	1.5
Methyl methacrylate	19	U	1.1	19
1,2-Dichloropropane	7.7	U	1.2	7.7
1,4-Dioxane	190	U	7.7	190
Bromodichloromethane	7.7	U	0.65	7.7
cis-1,3-Dichloropropene	7.7	U	1.1	7.7
methyl isobutyl ketone	19	U	1.0	19
Toluene	1.9	J	0.65	7.7
trans-1,3-Dichloropropene	7.7	U	0.84	7.7
1,1,2-Trichloroethane	7.7	U	0.65	7.7
Tetrachloroethene	7.7	U	0.61	7.7

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-5A**

Lab Sample ID: 200-20955-23
Client Matrix: Air

Date Sampled: 02/12/2014 1655
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68870	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6343_15.D
Dilution:	38.3			Initial Weight/Volume:	20 mL
Analysis Date:	02/26/2014 2337			Final Weight/Volume:	200 mL
Prep Date:	02/26/2014 2337			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	19	U	7.7	19
Dibromochloromethane	7.7	U	0.77	7.7
1,2-Dibromoethane	7.7	U	0.77	7.7
Chlorobenzene	7.7	U	0.31	7.7
Ethylbenzene	7.7	U	0.50	7.7
m,p-Xylene	19	U	0.88	19
Xylene, o-	7.7	U	0.61	7.7
Xylene (total)	7.7	U	1.3	7.7
Styrene	7.7	U	0.69	7.7
Bromoform	7.7	U	0.38	7.7
1,1,2,2-Tetrachloroethane	7.7	U	0.61	7.7
n-Propylbenzene	7.7	U	3.1	7.7
4-Ethyltoluene	7.7	U	0.69	7.7
1,3,5-Trimethylbenzene	7.7	U	0.46	7.7
2-Chlorotoluene	7.7	U	0.50	7.7
tert-Butylbenzene	7.7	U	0.65	7.7
1,2,4-Trimethylbenzene	7.7	U	0.54	7.7
sec-Butylbenzene	7.7	U	3.1	7.7
4-Isopropyltoluene	7.7	U	3.1	7.7
1,3-Dichlorobenzene	7.7	U	0.54	7.7
1,4-Dichlorobenzene	7.7	U	0.54	7.7
Benzyl chloride	7.7	U	3.1	7.7
n-Butylbenzene	7.7	U	3.1	7.7
1,2-Dichlorobenzene	7.7	U	0.54	7.7
1,2,4-Trichlorobenzene	1.1	J * B	1.0	19
Hexachloro-1,3-butadiene	7.7	U	0.84	7.7
Naphthalene	19	U * ^	7.7	19

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	95	U	5.7	95
Freon 22	29	J	6.5	68
Freon-114	54	U	9.4	54
Chloromethane	40	U	11	40
n-Butane	46	U	26	46
Vinyl chloride	3.9	U	3.7	3.9
1,3-Butadiene	17	U	3.6	17
Bromomethane	30	U	4.2	30
Chloroethane	51	U	3.0	51
Vinyl bromide	34	U	5.0	34
Freon 11	43	U	6.5	43
Freon 113	59	U	5.3	59
1,1-Dichloroethene	30	U	3.6	30
Acetone	450	U	110	450
Isopropyl alcohol	1700		20	470
Carbon disulfide	60	U	7.9	60
Allyl chloride	60	U	4.1	60

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-5A**

Lab Sample ID: 200-20955-23
Client Matrix: Air

Date Sampled: 02/12/2014 1655
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68870	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6343_15.D
Dilution:	38.3			Initial Weight/Volume:	20 mL
Analysis Date:	02/26/2014 2337			Final Weight/Volume:	200 mL
Prep Date:	02/26/2014 2337			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	1600		17	67
tert-Butyl alcohol	580	U	38	580
Methyl tert-butyl ether	28	U	3.0	28
trans-1,2-Dichloroethene	30	U	4.4	30
Hexane	27	U	4.6	27
1,1-Dichloroethane	31	U	5.9	31
Methyl Ethyl Ketone	56	U	27	56
cis-1,2-Dichloroethene	30	U	5.8	30
1,2-Dichloroethene, Total	30	U	9.7	30
Chloroform	37	U	4.7	37
Tetrahydrofuran	19	J	5.2	560
1,1,1-Trichloroethane	42	U	4.4	42
Cyclohexane	26	U	3.3	26
Carbon tetrachloride	9.6	U	5.1	9.6
2,2,4-Trimethylpentane	36	U	4.8	36
Benzene	24	U	2.3	24
1,2-Dichloroethane	31	U	2.6	31
Heptane	31	U	7.2	31
Trichloroethene	8.2	U	4.9	8.2
Methyl methacrylate	78	U	4.7	78
1,2-Dichloropropane	35	U	5.7	35
1,4-Dioxane	690	U	28	690
Bromodichloromethane	51	U	4.4	51
cis-1,3-Dichloropropene	35	U	4.9	35
methyl isobutyl ketone	78	U	4.2	78
Toluene	7.1	J	2.5	29
trans-1,3-Dichloropropene	35	U	3.8	35
1,1,2-Trichloroethane	42	U	3.6	42
Tetrachloroethene	52	U	4.2	52
Methyl Butyl Ketone (2-Hexanone)	78	U	31	78
Dibromochloromethane	65	U	6.5	65
1,2-Dibromoethane	59	U	5.9	59
Chlorobenzene	35	U	1.4	35
Ethylbenzene	33	U	2.2	33
m,p-Xylene	83	U	3.8	83
Xylene, o-	33	U	2.7	33
Xylene (total)	33	U	5.7	33
Styrene	33	U	2.9	33
Bromoform	79	U	4.0	79
1,1,2,2-Tetrachloroethane	53	U	4.2	53
n-Propylbenzene	38	U	15	38
4-Ethyltoluene	38	U	3.4	38
1,3,5-Trimethylbenzene	38	U	2.3	38
2-Chlorotoluene	40	U	2.6	40
tert-Butylbenzene	42	U	3.6	42
1,2,4-Trimethylbenzene	38	U	2.6	38

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-5A**

Lab Sample ID: 200-20955-23
Client Matrix: Air

Date Sampled: 02/12/2014 1655
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68870	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6343_15.D
Dilution:	38.3			Initial Weight/Volume:	20 mL
Analysis Date:	02/26/2014 2337			Final Weight/Volume:	200 mL
Prep Date:	02/26/2014 2337			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	42	U	17	42
4-Isopropyltoluene	42	U	17	42
1,3-Dichlorobenzene	46	U	3.2	46
1,4-Dichlorobenzene	46	U	3.2	46
Benzyl chloride	40	U	16	40
n-Butylbenzene	42	U	17	42
1,2-Dichlorobenzene	46	U	3.2	46
1,2,4-Trichlorobenzene	8.3	J * B	7.7	140
Hexachloro-1,3-butadiene	82	U	9.0	82
Naphthalene	100	U * ^	40	100

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-7A**

Lab Sample ID: 200-20955-26
Client Matrix: Air

Date Sampled: 02/12/2014 1815
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_025.d
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/25/2014 0737			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 0737			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	5.0	U	0.30	5.0
Freon 22	5.0	U	0.48	5.0
Freon-114	2.0	U	0.35	2.0
Chloromethane	5.0	U	1.4	5.0
n-Butane	5.0	U	2.8	5.0
Vinyl chloride	0.40	U	0.38	0.40
1,3-Butadiene	2.0	U	0.42	2.0
Bromomethane	2.0	U	0.28	2.0
Chloroethane	5.0	U	0.30	5.0
Vinyl bromide	2.0	U	0.30	2.0
Freon 11	2.0	U	0.30	2.0
Freon 113	2.0	U	0.18	2.0
1,1-Dichloroethene	2.0	U	0.24	2.0
Acetone	50	U	13	50
Isopropyl alcohol	230		2.2	50
Carbon disulfide	5.0	U	0.66	5.0
Allyl chloride	5.0	U	0.34	5.0
Methylene Chloride	190		1.3	5.0
tert-Butyl alcohol	50	U	3.3	50
Methyl tert-butyl ether	2.0	U	0.22	2.0
trans-1,2-Dichloroethene	2.0	U	0.29	2.0
Hexane	2.0	U	0.34	2.0
1,1-Dichloroethane	2.0	U	0.38	2.0
Methyl Ethyl Ketone	5.0	U	2.4	5.0
cis-1,2-Dichloroethene	2.0	U	0.38	2.0
1,2-Dichloroethene, Total	2.0	U	0.64	2.0
Chloroform	2.0	U	0.25	2.0
Tetrahydrofuran	11	J	0.46	50
1,1,1-Trichloroethane	2.0	U	0.21	2.0
Cyclohexane	1.6	J	0.25	2.0
Carbon tetrachloride	0.40	U	0.21	0.40
2,2,4-Trimethylpentane	2.0	U	0.27	2.0
Benzene	2.0	U	0.19	2.0
1,2-Dichloroethane	2.0	U	0.17	2.0
Heptane	2.0	U	0.46	2.0
Trichloroethene	0.40	U	0.24	0.40
Methyl methacrylate	5.0	U	0.30	5.0
1,2-Dichloropropane	2.0	U	0.32	2.0
1,4-Dioxane	50	U	2.0	50
Bromodichloromethane	2.0	U	0.17	2.0
cis-1,3-Dichloropropene	2.0	U	0.28	2.0
methyl isobutyl ketone	5.0	U	0.27	5.0
Toluene	2.0	U	0.17	2.0
trans-1,3-Dichloropropene	2.0	U	0.22	2.0
1,1,2-Trichloroethane	2.0	U	0.17	2.0
Tetrachloroethene	2.0	U	0.16	2.0

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-7A**

Lab Sample ID: 200-20955-26
Client Matrix: Air

Date Sampled: 02/12/2014 1815
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_025.d
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/25/2014 0737			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 0737			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	5.0	U	2.0	5.0
Dibromochloromethane	2.0	U	0.20	2.0
1,2-Dibromoethane	2.0	U	0.20	2.0
Chlorobenzene	2.0	U	0.081	2.0
Ethylbenzene	2.0	U	0.13	2.0
m,p-Xylene	5.0	U	0.23	5.0
Xylene, o-	2.0	U	0.16	2.0
Xylene (total)	2.0	U	0.34	2.0
Styrene	2.0	U	0.18	2.0
Bromoform	2.0	U	0.10	2.0
1,1,2,2-Tetrachloroethane	2.0	U	0.16	2.0
n-Propylbenzene	2.0	U	0.80	2.0
4-Ethyltoluene	2.0	U	0.18	2.0
1,3,5-Trimethylbenzene	2.0	U	0.12	2.0
2-Chlorotoluene	2.0	U	0.13	2.0
tert-Butylbenzene	2.0	U	0.17	2.0
1,2,4-Trimethylbenzene	2.0	U	0.14	2.0
sec-Butylbenzene	2.0	U	0.80	2.0
4-Isopropyltoluene	2.0	U	0.80	2.0
1,3-Dichlorobenzene	2.0	U	0.14	2.0
1,4-Dichlorobenzene	2.0	U	0.14	2.0
Benzyl chloride	2.0	U	0.80	2.0
n-Butylbenzene	2.0	U	0.80	2.0
1,2-Dichlorobenzene	2.0	U	0.14	2.0
1,2,4-Trichlorobenzene	5.0	U	0.27	5.0
Hexachloro-1,3-butadiene	2.0	U	0.22	2.0
Naphthalene	5.0	U	2.0	5.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	25	U	1.5	25
Freon 22	18	U	1.7	18
Freon-114	14	U	2.4	14
Chloromethane	10	U	2.8	10
n-Butane	12	U	6.7	12
Vinyl chloride	1.0	U	0.97	1.0
1,3-Butadiene	4.4	U	0.93	4.4
Bromomethane	7.8	U	1.1	7.8
Chloroethane	13	U	0.79	13
Vinyl bromide	8.7	U	1.3	8.7
Freon 11	11	U	1.7	11
Freon 113	15	U	1.4	15
1,1-Dichloroethene	7.9	U	0.95	7.9
Acetone	120	U	30	120
Isopropyl alcohol	560		5.3	120
Carbon disulfide	16	U	2.1	16
Allyl chloride	16	U	1.1	16

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-7A**

Lab Sample ID: 200-20955-26
Client Matrix: Air

Date Sampled: 02/12/2014 1815
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_025.d
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/25/2014 0737			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 0737			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	640		4.3	17
tert-Butyl alcohol	150	U	9.9	150
Methyl tert-butyl ether	7.2	U	0.79	7.2
trans-1,2-Dichloroethene	7.9	U	1.1	7.9
Hexane	7.0	U	1.2	7.0
1,1-Dichloroethane	8.1	U	1.5	8.1
Methyl Ethyl Ketone	15	U	7.1	15
cis-1,2-Dichloroethene	7.9	U	1.5	7.9
1,2-Dichloroethene, Total	7.9	U	2.5	7.9
Chloroform	9.8	U	1.2	9.8
Tetrahydrofuran	33	J	1.4	150
1,1,1-Trichloroethane	11	U	1.1	11
Cyclohexane	5.5	J	0.86	6.9
Carbon tetrachloride	2.5	U	1.3	2.5
2,2,4-Trimethylpentane	9.3	U	1.3	9.3
Benzene	6.4	U	0.61	6.4
1,2-Dichloroethane	8.1	U	0.69	8.1
Heptane	8.2	U	1.9	8.2
Trichloroethene	2.1	U	1.3	2.1
Methyl methacrylate	20	U	1.2	20
1,2-Dichloropropane	9.2	U	1.5	9.2
1,4-Dioxane	180	U	7.2	180
Bromodichloromethane	13	U	1.1	13
cis-1,3-Dichloropropene	9.1	U	1.3	9.1
methyl isobutyl ketone	20	U	1.1	20
Toluene	7.5	U	0.64	7.5
trans-1,3-Dichloropropene	9.1	U	1.0	9.1
1,1,2-Trichloroethane	11	U	0.93	11
Tetrachloroethene	14	U	1.1	14
Methyl Butyl Ketone (2-Hexanone)	20	U	8.2	20
Dibromochloromethane	17	U	1.7	17
1,2-Dibromoethane	15	U	1.5	15
Chlorobenzene	9.2	U	0.37	9.2
Ethylbenzene	8.7	U	0.56	8.7
m,p-Xylene	22	U	1.0	22
Xylene, o-	8.7	U	0.69	8.7
Xylene (total)	8.7	U	1.5	8.7
Styrene	8.5	U	0.77	8.5
Bromoform	21	U	1.0	21
1,1,2,2-Tetrachloroethane	14	U	1.1	14
n-Propylbenzene	9.8	U	3.9	9.8
4-Ethyltoluene	9.8	U	0.88	9.8
1,3,5-Trimethylbenzene	9.8	U	0.59	9.8
2-Chlorotoluene	10	U	0.67	10
tert-Butylbenzene	11	U	0.93	11
1,2,4-Trimethylbenzene	9.8	U	0.69	9.8

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-7A**

Lab Sample ID: 200-20955-26
Client Matrix: Air

Date Sampled: 02/12/2014 1815
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_025.d
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/25/2014 0737			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 0737			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	11	U	4.4	11
4-Isopropyltoluene	11	U	4.4	11
1,3-Dichlorobenzene	12	U	0.84	12
1,4-Dichlorobenzene	12	U	0.84	12
Benzyl chloride	10	U	4.1	10
n-Butylbenzene	11	U	4.4	11
1,2-Dichlorobenzene	12	U	0.84	12
1,2,4-Trichlorobenzene	37	U	2.0	37
Hexachloro-1,3-butadiene	21	U	2.3	21
Naphthalene	26	U	10	26

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-7**

Lab Sample ID: 200-20955-27
Client Matrix: Air

Date Sampled: 02/12/2014 1907
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68811	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6318_010.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/25/2014 2057			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 2057			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	5.0	U	0.30	5.0
Freon 22	1.7	J	0.48	5.0
Freon-114	2.0	U	0.35	2.0
Chloromethane	5.0	U	1.4	5.0
n-Butane	5.0	U	2.8	5.0
Vinyl chloride	0.40	U	0.38	0.40
1,3-Butadiene	2.0	U	0.42	2.0
Bromomethane	2.0	U	0.28	2.0
Chloroethane	5.0	U	0.30	5.0
Vinyl bromide	2.0	U	0.30	2.0
Freon 11	2.0	U	0.30	2.0
Freon 113	2.0	U	0.18	2.0
1,1-Dichloroethene	2.0	U	0.24	2.0
Acetone	50	U	13	50
Isopropyl alcohol	130		2.2	50
Carbon disulfide	5.0	U	0.66	5.0
Allyl chloride	5.0	U	0.34	5.0
Methylene Chloride	100		1.3	5.0
tert-Butyl alcohol	50	U	3.3	50
Methyl tert-butyl ether	2.0	U	0.22	2.0
trans-1,2-Dichloroethene	2.0	U	0.29	2.0
Hexane	2.0	U	0.34	2.0
1,1-Dichloroethane	2.0	U	0.38	2.0
Methyl Ethyl Ketone	5.0	U	2.4	5.0
cis-1,2-Dichloroethene	2.0	U	0.38	2.0
1,2-Dichloroethene, Total	2.0	U	0.64	2.0
Chloroform	2.0	U	0.25	2.0
Tetrahydrofuran	1.6	J	0.46	50
1,1,1-Trichloroethane	2.0	U	0.21	2.0
Cyclohexane	0.54	J	0.25	2.0
Carbon tetrachloride	0.40	U	0.21	0.40
2,2,4-Trimethylpentane	2.0	U	0.27	2.0
Benzene	2.0	U	0.19	2.0
1,2-Dichloroethane	2.0	U	0.17	2.0
Heptane	2.0	U	0.46	2.0
Trichloroethene	0.40	U	0.24	0.40
Methyl methacrylate	5.0	U	0.30	5.0
1,2-Dichloropropane	2.0	U	0.32	2.0
1,4-Dioxane	50	U	2.0	50
Bromodichloromethane	2.0	U	0.17	2.0
cis-1,3-Dichloropropene	2.0	U	0.28	2.0
methyl isobutyl ketone	5.0	U	0.27	5.0
Toluene	0.54	J	0.17	2.0
trans-1,3-Dichloropropene	2.0	U	0.22	2.0
1,1,2-Trichloroethane	2.0	U	0.17	2.0
Tetrachloroethene	2.0	U	0.16	2.0

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-7**

Lab Sample ID: 200-20955-27
Client Matrix: Air

Date Sampled: 02/12/2014 1907
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68811	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6318_010.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/25/2014 2057			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 2057			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	5.0	U	2.0	5.0
Dibromochloromethane	2.0	U	0.20	2.0
1,2-Dibromoethane	2.0	U	0.20	2.0
Chlorobenzene	2.0	U	0.081	2.0
Ethylbenzene	2.0	U	0.13	2.0
m,p-Xylene	5.0	U	0.23	5.0
Xylene, o-	2.0	U	0.16	2.0
Xylene (total)	2.0	U	0.34	2.0
Styrene	2.0	U	0.18	2.0
Bromoform	2.0	U	0.10	2.0
1,1,2,2-Tetrachloroethane	2.0	U	0.16	2.0
n-Propylbenzene	2.0	U	0.80	2.0
4-Ethyltoluene	2.0	U	0.18	2.0
1,3,5-Trimethylbenzene	2.0	U	0.12	2.0
2-Chlorotoluene	2.0	U	0.13	2.0
tert-Butylbenzene	2.0	U	0.17	2.0
1,2,4-Trimethylbenzene	2.0	U	0.14	2.0
sec-Butylbenzene	2.0	U	0.80	2.0
4-Isopropyltoluene	2.0	U	0.80	2.0
1,3-Dichlorobenzene	2.0	U	0.14	2.0
1,4-Dichlorobenzene	2.0	U	0.14	2.0
Benzyl chloride	2.0	U	0.80	2.0
n-Butylbenzene	2.0	U	0.80	2.0
1,2-Dichlorobenzene	2.0	U	0.14	2.0
1,2,4-Trichlorobenzene	5.0	U	0.27	5.0
Hexachloro-1,3-butadiene	2.0	U *	0.22	2.0
Naphthalene	5.0	U	2.0	5.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	25	U	1.5	25
Freon 22	6.0	J	1.7	18
Freon-114	14	U	2.4	14
Chloromethane	10	U	2.8	10
n-Butane	12	U	6.7	12
Vinyl chloride	1.0	U	0.97	1.0
1,3-Butadiene	4.4	U	0.93	4.4
Bromomethane	7.8	U	1.1	7.8
Chloroethane	13	U	0.79	13
Vinyl bromide	8.7	U	1.3	8.7
Freon 11	11	U	1.7	11
Freon 113	15	U	1.4	15
1,1-Dichloroethene	7.9	U	0.95	7.9
Acetone	120	U	30	120
Isopropyl alcohol	320		5.3	120
Carbon disulfide	16	U	2.1	16
Allyl chloride	16	U	1.1	16

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-7**

Lab Sample ID: 200-20955-27
Client Matrix: Air

Date Sampled: 02/12/2014 1907
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68811	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6318_010.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/25/2014 2057			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 2057			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	360		4.3	17
tert-Butyl alcohol	150	U	9.9	150
Methyl tert-butyl ether	7.2	U	0.79	7.2
trans-1,2-Dichloroethene	7.9	U	1.1	7.9
Hexane	7.0	U	1.2	7.0
1,1-Dichloroethane	8.1	U	1.5	8.1
Methyl Ethyl Ketone	15	U	7.1	15
cis-1,2-Dichloroethene	7.9	U	1.5	7.9
1,2-Dichloroethene, Total	7.9	U	2.5	7.9
Chloroform	9.8	U	1.2	9.8
Tetrahydrofuran	4.7	J	1.4	150
1,1,1-Trichloroethane	11	U	1.1	11
Cyclohexane	1.9	J	0.86	6.9
Carbon tetrachloride	2.5	U	1.3	2.5
2,2,4-Trimethylpentane	9.3	U	1.3	9.3
Benzene	6.4	U	0.61	6.4
1,2-Dichloroethane	8.1	U	0.69	8.1
Heptane	8.2	U	1.9	8.2
Trichloroethene	2.1	U	1.3	2.1
Methyl methacrylate	20	U	1.2	20
1,2-Dichloropropane	9.2	U	1.5	9.2
1,4-Dioxane	180	U	7.2	180
Bromodichloromethane	13	U	1.1	13
cis-1,3-Dichloropropene	9.1	U	1.3	9.1
methyl isobutyl ketone	20	U	1.1	20
Toluene	2.0	J	0.64	7.5
trans-1,3-Dichloropropene	9.1	U	1.0	9.1
1,1,2-Trichloroethane	11	U	0.93	11
Tetrachloroethene	14	U	1.1	14
Methyl Butyl Ketone (2-Hexanone)	20	U	8.2	20
Dibromochloromethane	17	U	1.7	17
1,2-Dibromoethane	15	U	1.5	15
Chlorobenzene	9.2	U	0.37	9.2
Ethylbenzene	8.7	U	0.56	8.7
m,p-Xylene	22	U	1.0	22
Xylene, o-	8.7	U	0.69	8.7
Xylene (total)	8.7	U	1.5	8.7
Styrene	8.5	U	0.77	8.5
Bromoform	21	U	1.0	21
1,1,2,2-Tetrachloroethane	14	U	1.1	14
n-Propylbenzene	9.8	U	3.9	9.8
4-Ethyltoluene	9.8	U	0.88	9.8
1,3,5-Trimethylbenzene	9.8	U	0.59	9.8
2-Chlorotoluene	10	U	0.67	10
tert-Butylbenzene	11	U	0.93	11
1,2,4-Trimethylbenzene	9.8	U	0.69	9.8

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-7**

Lab Sample ID: 200-20955-27
Client Matrix: Air

Date Sampled: 02/12/2014 1907
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68811	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6318_010.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/25/2014 2057			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 2057			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	11	U	4.4	11
4-Isopropyltoluene	11	U	4.4	11
1,3-Dichlorobenzene	12	U	0.84	12
1,4-Dichlorobenzene	12	U	0.84	12
Benzyl chloride	10	U	4.1	10
n-Butylbenzene	11	U	4.4	11
1,2-Dichlorobenzene	12	U	0.84	12
1,2,4-Trichlorobenzene	37	U	2.0	37
Hexachloro-1,3-butadiene	21	U *	2.3	21
Naphthalene	26	U	10	26

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-8D**

Lab Sample ID: 200-20955-29
Client Matrix: Air

Date Sampled: 02/12/2014 1634
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1731			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1731			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.47	J	0.030	0.50
Freon 22	0.24	J	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.53		0.14	0.50
n-Butane	7.2		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.13	J	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.22		0.030	0.20
Freon 113	0.064	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	8.5		1.3	5.0
Isopropyl alcohol	8.9		0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.38	J	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.16	J	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	1.8		0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.042		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.31		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.29	J	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	2.1		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.20	U	0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-8D**

Lab Sample ID: 200-20955-29
Client Matrix: Air

Date Sampled: 02/12/2014 1634
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1731			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1731			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.054	J	0.013	0.20
m,p-Xylene	0.15	J	0.023	0.50
Xylene, o-	0.055	J	0.016	0.20
Xylene (total)	0.21		0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.091	J	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.3	J	0.15	2.5
Freon 22	0.84	J	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.1		0.28	1.0
n-Butane	17		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.30	J	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.2		0.17	1.1
Freon 113	0.49	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	20		3.0	12
Isopropyl alcohol	22		0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-8D**

Lab Sample ID: 200-20955-29
Client Matrix: Air

Date Sampled: 02/12/2014 1634
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1731			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1731			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	1.3	J	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.58	J	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	5.3		0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.26		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	1.0		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	1.2	J	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	8.0		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.24	J	0.056	0.87
m,p-Xylene	0.64	J	0.10	2.2
Xylene, o-	0.24	J	0.069	0.87
Xylene (total)	0.89		0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-VMP-8D**

Lab Sample ID: 200-20955-29
Client Matrix: Air

Date Sampled: 02/12/2014 1634
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1731			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1731			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	0.50	J	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-DUP-021214**

Lab Sample ID: 200-20955-31
Client Matrix: Air

Date Sampled: 02/12/2014 0000
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_009.d
Dilution:	1.0			Initial Weight/Volume:	354 mL
Analysis Date:	02/24/2014 1825			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1825			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.59		0.030	0.50
Freon 22	0.37	J	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.61		0.14	0.50
n-Butane	1.2		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.27		0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.67		0.030	0.20
Freon 113	0.090	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	4.0	J	1.3	5.0
Isopropyl alcohol	93	E	0.22	5.0
Carbon disulfide	0.24	J	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	1.7		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.33		0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.61		0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	19		0.025	0.20
Carbon tetrachloride	0.083		0.021	0.040
2,2,4-Trimethylpentane	0.17	J	0.027	0.20
Benzene	0.37		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.23		0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.84		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.035	J	0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-DUP-021214**

Lab Sample ID: 200-20955-31
Client Matrix: Air

Date Sampled: 02/12/2014 0000
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_009.d
Dilution:	1.0			Initial Weight/Volume:	354 mL
Analysis Date:	02/24/2014 1825			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1825			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.091	J	0.0081	0.20
Ethylbenzene	0.13	J	0.013	0.20
m,p-Xylene	0.19	J	0.023	0.50
Xylene, o-	0.069	J	0.016	0.20
Xylene (total)	0.26		0.034	0.20
Styrene	0.26		0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.028	J	0.018	0.20
1,3,5-Trimethylbenzene	0.024	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.062	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.9		0.15	2.5
Freon 22	1.3	J	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.3		0.28	1.0
n-Butane	2.8		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.60		0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	3.8		0.17	1.1
Freon 113	0.69	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	9.5	J	3.0	12
Isopropyl alcohol	230	E	0.53	12
Carbon disulfide	0.74	J	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-DUP-021214**

Lab Sample ID: 200-20955-31
Client Matrix: Air

Date Sampled: 02/12/2014 0000
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_009.d
Dilution:	1.0			Initial Weight/Volume:	354 mL
Analysis Date:	02/24/2014 1825			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1825			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	6.0		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	1.2		0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.8		0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	64		0.086	0.69
Carbon tetrachloride	0.52		0.13	0.25
2,2,4-Trimethylpentane	0.79	J	0.13	0.93
Benzene	1.2		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.93		0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	3.2		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	0.24	J	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.42	J	0.037	0.92
Ethylbenzene	0.57	J	0.056	0.87
m,p-Xylene	0.82	J	0.10	2.2
Xylene, o-	0.30	J	0.069	0.87
Xylene (total)	1.1		0.15	0.87
Styrene	1.1		0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.14	J	0.088	0.98
1,3,5-Trimethylbenzene	0.12	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.30	J	0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **IA-DUP-021214**

Lab Sample ID: 200-20955-31
Client Matrix: Air

Date Sampled: 02/12/2014 0000
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_009.d
Dilution:	1.0			Initial Weight/Volume:	354 mL
Analysis Date:	02/24/2014 1825			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1825			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **AMB-021314**

Lab Sample ID: 200-20969-2
Client Matrix: Air

Date Sampled: 02/13/2014 2000
Date Received: 02/17/2014 0940

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_021.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/25/2014 0413			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 0413			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.50		0.030	0.50
Freon 22	0.30	J	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.54		0.14	0.50
n-Butane	2.2		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.22		0.030	0.20
Freon 113	0.077	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	4.0	J	1.3	5.0
Isopropyl alcohol	2.3	J	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.50	U	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.52		0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.087	J	0.025	0.20
Carbon tetrachloride	0.074		0.021	0.040
2,2,4-Trimethylpentane	0.15	J	0.027	0.20
Benzene	0.43		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.33		0.046	0.20
Trichloroethene	0.16		0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.51		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.20	U	0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **AMB-021314**

Lab Sample ID: 200-20969-2
Client Matrix: Air

Date Sampled: 02/13/2014 2000
Date Received: 02/17/2014 0940

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_021.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/25/2014 0413			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 0413			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.077	J	0.013	0.20
m,p-Xylene	0.22	J	0.023	0.50
Xylene, o-	0.071	J	0.016	0.20
Xylene (total)	0.29		0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.022	J	0.018	0.20
1,3,5-Trimethylbenzene	0.020	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.051	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.5		0.15	2.5
Freon 22	1.1	J	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.1		0.28	1.0
n-Butane	5.1		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.2		0.17	1.1
Freon 113	0.59	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	9.6	J	3.0	12
Isopropyl alcohol	5.8	J	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **AMB-021314**

Lab Sample ID: 200-20969-2
Client Matrix: Air

Date Sampled: 02/13/2014 2000
Date Received: 02/17/2014 0940

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_021.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/25/2014 0413			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 0413			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	1.7	U	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	1.8		0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.30	J	0.086	0.69
Carbon tetrachloride	0.47		0.13	0.25
2,2,4-Trimethylpentane	0.72	J	0.13	0.93
Benzene	1.4		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	1.4		0.19	0.82
Trichloroethene	0.84		0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	1.9		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.33	J	0.056	0.87
m,p-Xylene	0.96	J	0.10	2.2
Xylene, o-	0.31	J	0.069	0.87
Xylene (total)	1.3		0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.11	J	0.088	0.98
1,3,5-Trimethylbenzene	0.097	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.25	J	0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Client Sample ID: **AMB-021314**

Lab Sample ID: 200-20969-2
Client Matrix: Air

Date Sampled: 02/13/2014 2000
Date Received: 02/17/2014 0940

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_021.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/25/2014 0413			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 0413			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68420

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68420/4	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6171_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/17/2014 1241	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 1241			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	0.50	U	0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.20	U	0.030	0.20
Freon 113	0.20	U	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.0	U	1.3	5.0
Isopropyl alcohol	5.0	U	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.50	U	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.20	U	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68420

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68420/4	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6171_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/17/2014 1241	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 1241			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.20	U	0.016	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.20	U	0.013	0.20
m,p-Xylene	0.50	U	0.023	0.50
Xylene, o-	0.20	U	0.016	0.20
Xylene (total)	0.20	U	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68420

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68420/4	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6171_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/17/2014 1241	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 1241			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	2.5	U	0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.1	U	0.17	1.1
Freon 113	1.5	U	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12	U	3.0	12
Isopropyl alcohol	12	U	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6
Methylene Chloride	1.7	U	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	0.75	U	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68420

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68420/4	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6171_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/17/2014 1241	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 1241			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.87	U	0.056	0.87
m,p-Xylene	2.2	U	0.10	2.2
Xylene, o-	0.87	U	0.069	0.87
Xylene (total)	0.87	U	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Control Sample - Batch: 200-68420

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68420/3	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6171_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/17/2014 1132	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 1132			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Freon 12	10.0	9.74	97	70 - 130	
Freon 22	10.0	9.58	96	70 - 130	
Freon-114	10.0	10.1	101	70 - 130	
Chloromethane	10.0	9.00	90	70 - 130	
n-Butane	10.0	9.76	98	70 - 130	
Vinyl chloride	10.0	8.69	87	70 - 130	
1,3-Butadiene	10.0	9.52	95	70 - 130	
Bromomethane	10.0	8.79	88	70 - 130	
Chloroethane	10.0	8.93	89	70 - 130	
Vinyl bromide	10.0	9.54	95	70 - 130	
Freon 11	10.0	9.62	96	70 - 130	
Freon 113	10.0	9.14	91	70 - 130	
1,1-Dichloroethene	10.0	9.57	96	70 - 130	
Acetone	10.0	10.9	109	70 - 130	
Isopropyl alcohol	10.0	8.16	82	70 - 130	
Carbon disulfide	10.0	10.6	106	70 - 130	
Allyl chloride	10.0	10.3	103	70 - 130	
Methylene Chloride	10.0	9.61	96	70 - 130	
tert-Butyl alcohol	10.0	9.11	91	70 - 130	
Methyl tert-butyl ether	10.0	11.4	114	70 - 130	
trans-1,2-Dichloroethene	10.0	10.5	105	70 - 130	
Hexane	10.0	11.5	115	70 - 130	
1,1-Dichloroethane	10.0	9.26	93	70 - 130	
Methyl Ethyl Ketone	10.0	9.57	96	70 - 130	
cis-1,2-Dichloroethene	10.0	9.94	99	70 - 130	
Chloroform	10.0	9.63	96	70 - 130	
Tetrahydrofuran	10.0	9.88	99	70 - 130	
1,1,1-Trichloroethane	10.0	9.90	99	70 - 130	
Cyclohexane	10.0	10.5	105	70 - 130	
Carbon tetrachloride	10.0	9.51	95	70 - 130	
2,2,4-Trimethylpentane	10.0	10.8	108	70 - 130	
Benzene	10.0	9.27	93	70 - 130	
1,2-Dichloroethane	10.0	10.1	101	70 - 130	
Heptane	10.0	11.0	110	70 - 130	
Trichloroethene	10.0	9.79	98	70 - 130	
Methyl methacrylate	10.0	10.2	102	70 - 130	
1,2-Dichloropropane	10.0	9.35	93	70 - 130	
1,4-Dioxane	10.0	7.65	77	70 - 130	
Bromodichloromethane	10.0	9.71	97	70 - 130	
cis-1,3-Dichloropropene	10.0	10.9	109	70 - 130	
methyl isobutyl ketone	10.0	10.2	102	70 - 130	
Toluene	10.0	9.79	98	70 - 130	
trans-1,3-Dichloropropene	10.0	10.7	107	70 - 130	
1,1,2-Trichloroethane	10.0	9.23	92	70 - 130	
Tetrachloroethene	10.0	9.48	95	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.1	101	70 - 130	

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Control Sample - Batch: 200-68420

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68420/3	Analysis Batch:	200-68420	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6171_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/17/2014 1132	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/17/2014 1132			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	9.57	96	70 - 130	
1,2-Dibromoethane	10.0	9.84	98	70 - 130	
Chlorobenzene	10.0	8.97	90	70 - 130	
Ethylbenzene	10.0	10.1	101	70 - 130	
m,p-Xylene	20.0	19.4	97	70 - 130	
Xylene, o-	10.0	10.4	104	70 - 130	
Styrene	10.0	10.5	105	70 - 130	
Bromoform	10.0	9.71	97	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	8.98	90	70 - 130	
n-Propylbenzene	10.0	10.3	104	70 - 130	
4-Ethyltoluene	10.0	10.0	100	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.84	98	70 - 130	
2-Chlorotoluene	10.0	9.59	96	70 - 130	
tert-Butylbenzene	10.0	9.92	99	70 - 130	
1,2,4-Trimethylbenzene	10.0	10.1	101	70 - 130	
sec-Butylbenzene	10.0	9.90	99	70 - 130	
4-Isopropyltoluene	10.0	10.2	102	70 - 130	
1,3-Dichlorobenzene	10.0	9.30	93	70 - 130	
1,4-Dichlorobenzene	10.0	9.74	97	70 - 130	
Benzyl chloride	10.0	9.91	99	70 - 130	
n-Butylbenzene	10.0	9.67	97	70 - 130	
1,2-Dichlorobenzene	10.0	9.32	93	70 - 130	
1,2,4-Trichlorobenzene	10.0	7.75	78	70 - 130	
Hexachloro-1,3-butadiene	10.0	8.95	90	70 - 130	
Naphthalene	10.0	7.15	72	70 - 130	

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68679

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68679/4	Analysis Batch:	200-68679	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6267_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/21/2014 1323	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 1323			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	0.50	U	0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.20	U	0.030	0.20
Freon 113	0.20	U	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.0	U	1.3	5.0
Isopropyl alcohol	5.0	U	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.50	U	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.20	U	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68679

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68679/4	Analysis Batch:	200-68679	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6267_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/21/2014 1323	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 1323			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.20	U	0.016	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.20	U	0.013	0.20
m,p-Xylene	0.50	U	0.023	0.50
Xylene, o-	0.20	U	0.016	0.20
Xylene (total)	0.20	U	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68679

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68679/4	Analysis Batch:	200-68679	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6267_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/21/2014 1323	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 1323			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	2.5	U	0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.1	U	0.17	1.1
Freon 113	1.5	U	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12	U	3.0	12
Isopropyl alcohol	12	U	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6
Methylene Chloride	1.7	U	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	0.75	U	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68679

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68679/4	Analysis Batch:	200-68679	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6267_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/21/2014 1323	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 1323			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.87	U	0.056	0.87
m,p-Xylene	2.2	U	0.10	2.2
Xylene, o-	0.87	U	0.069	0.87
Xylene (total)	0.87	U	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Control Sample - Batch: 200-68679

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68679/3	Analysis Batch:	200-68679	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6267_003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/21/2014 1236	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 1236			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Freon 12	10.0	8.98	90	70 - 130	
Freon 22	10.0	8.83	88	70 - 130	
Freon-114	10.0	9.89	99	70 - 130	
Chloromethane	10.0	8.50	85	70 - 130	
n-Butane	10.0	8.85	89	70 - 130	
Vinyl chloride	10.0	8.30	83	70 - 130	
1,3-Butadiene	10.0	8.47	85	70 - 130	
Bromomethane	10.0	9.02	90	70 - 130	
Chloroethane	10.0	8.92	89	70 - 130	
Vinyl bromide	10.0	9.04	90	70 - 130	
Freon 11	10.0	8.79	88	70 - 130	
Freon 113	10.0	9.04	90	70 - 130	
1,1-Dichloroethene	10.0	8.79	88	70 - 130	
Acetone	10.0	11.2	112	70 - 130	
Isopropyl alcohol	10.0	7.72	77	70 - 130	
Carbon disulfide	10.0	10.2	102	70 - 130	
Allyl chloride	10.0	8.56	86	70 - 130	
Methylene Chloride	10.0	8.89	89	70 - 130	
tert-Butyl alcohol	10.0	8.24	82	70 - 130	
Methyl tert-butyl ether	10.0	9.10	91	70 - 130	
trans-1,2-Dichloroethene	10.0	9.62	96	70 - 130	
Hexane	10.0	9.59	96	70 - 130	
1,1-Dichloroethane	10.0	9.09	91	70 - 130	
Methyl Ethyl Ketone	10.0	8.96	90	70 - 130	
cis-1,2-Dichloroethene	10.0	8.92	89	70 - 130	
Chloroform	10.0	9.06	91	70 - 130	
Tetrahydrofuran	10.0	9.27	93	70 - 130	
1,1,1-Trichloroethane	10.0	9.11	91	70 - 130	
Cyclohexane	10.0	9.16	92	70 - 130	
Carbon tetrachloride	10.0	9.01	90	70 - 130	
2,2,4-Trimethylpentane	10.0	9.02	90	70 - 130	
Benzene	10.0	9.03	90	70 - 130	
1,2-Dichloroethane	10.0	9.05	90	70 - 130	
Heptane	10.0	8.72	87	70 - 130	
Trichloroethene	10.0	8.88	89	70 - 130	
Methyl methacrylate	10.0	9.86	99	70 - 130	
1,2-Dichloropropane	10.0	9.10	91	70 - 130	
1,4-Dioxane	10.0	8.27	83	70 - 130	
Bromodichloromethane	10.0	9.43	94	70 - 130	
cis-1,3-Dichloropropene	10.0	9.53	95	70 - 130	
methyl isobutyl ketone	10.0	9.16	92	70 - 130	
Toluene	10.0	9.06	91	70 - 130	
trans-1,3-Dichloropropene	10.0	9.56	96	70 - 130	
1,1,2-Trichloroethane	10.0	9.05	91	70 - 130	
Tetrachloroethene	10.0	8.97	90	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.24	92	70 - 130	

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Control Sample - Batch: 200-68679

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68679/3	Analysis Batch:	200-68679	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6267_003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/21/2014 1236	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 1236			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	9.38	94	70 - 130	
1,2-Dibromoethane	10.0	9.47	95	70 - 130	
Chlorobenzene	10.0	9.21	92	70 - 130	
Ethylbenzene	10.0	9.13	91	70 - 130	
m,p-Xylene	20.0	18.2	91	70 - 130	
Xylene, o-	10.0	8.98	90	70 - 130	
Styrene	10.0	9.67	97	70 - 130	
Bromoform	10.0	9.91	99	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.17	92	70 - 130	
n-Propylbenzene	10.0	9.19	92	70 - 130	
4-Ethyltoluene	10.0	9.45	94	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.06	91	70 - 130	
2-Chlorotoluene	10.0	9.02	90	70 - 130	
tert-Butylbenzene	10.0	8.91	89	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.21	92	70 - 130	
sec-Butylbenzene	10.0	9.09	91	70 - 130	
4-Isopropyltoluene	10.0	9.26	93	70 - 130	
1,3-Dichlorobenzene	10.0	9.97	100	70 - 130	
1,4-Dichlorobenzene	10.0	10.0	100	70 - 130	
Benzyl chloride	10.0	9.43	94	70 - 130	
n-Butylbenzene	10.0	9.42	94	70 - 130	
1,2-Dichlorobenzene	10.0	9.72	97	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.29	93	70 - 130	
Hexachloro-1,3-butadiene	10.0	12.1	121	70 - 130	
Naphthalene	10.0	8.79	88	70 - 130	

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68730

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68730/4	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6282_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1346	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1346			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	0.50	U	0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.20	U	0.030	0.20
Freon 113	0.20	U	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.0	U	1.3	5.0
Isopropyl alcohol	5.0	U	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.50	U	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.20	U	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68730

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68730/4	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6282_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1346	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1346			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.20	U	0.016	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.20	U	0.013	0.20
m,p-Xylene	0.50	U	0.023	0.50
Xylene, o-	0.20	U	0.016	0.20
Xylene (total)	0.20	U	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.0272	J	0.014	0.20
1,4-Dichlorobenzene	0.0353	J	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68730

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68730/4	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6282_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1346	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1346			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	2.5	U	0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.1	U	0.17	1.1
Freon 113	1.5	U	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12	U	3.0	12
Isopropyl alcohol	12	U	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6
Methylene Chloride	1.7	U	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	0.75	U	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68730

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68730/4	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6282_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1346	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1346			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.87	U	0.056	0.87
m,p-Xylene	2.2	U	0.10	2.2
Xylene, o-	0.87	U	0.069	0.87
Xylene (total)	0.87	U	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	0.163	J	0.084	1.2
1,4-Dichlorobenzene	0.212	J	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Control Sample - Batch: 200-68730

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68730/3	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6282_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1229	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1229			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Freon 12	10.0	8.87	89	70 - 130	
Freon 22	10.0	8.79	88	70 - 130	
Freon-114	10.0	9.45	95	70 - 130	
Chloromethane	10.0	8.46	85	70 - 130	
n-Butane	10.0	9.17	92	70 - 130	
Vinyl chloride	10.0	8.29	83	70 - 130	
1,3-Butadiene	10.0	8.98	90	70 - 130	
Bromomethane	10.0	8.31	83	70 - 130	
Chloroethane	10.0	8.51	85	70 - 130	
Vinyl bromide	10.0	9.15	92	70 - 130	
Freon 11	10.0	8.59	86	70 - 130	
Freon 113	10.0	8.70	87	70 - 130	
1,1-Dichloroethene	10.0	9.34	93	70 - 130	
Acetone	10.0	9.94	99	70 - 130	
Isopropyl alcohol	10.0	8.46	85	70 - 130	
Carbon disulfide	10.0	10.3	103	70 - 130	
Allyl chloride	10.0	9.58	96	70 - 130	
Methylene Chloride	10.0	8.94	89	70 - 130	
tert-Butyl alcohol	10.0	8.99	90	70 - 130	
Methyl tert-butyl ether	10.0	10.6	106	70 - 130	
trans-1,2-Dichloroethene	10.0	9.87	99	70 - 130	
Hexane	10.0	11.1	111	70 - 130	
1,1-Dichloroethane	10.0	8.75	87	70 - 130	
Methyl Ethyl Ketone	10.0	9.47	95	70 - 130	
cis-1,2-Dichloroethene	10.0	9.53	95	70 - 130	
Chloroform	10.0	8.94	89	70 - 130	
Tetrahydrofuran	10.0	9.51	95	70 - 130	
1,1,1-Trichloroethane	10.0	8.99	90	70 - 130	
Cyclohexane	10.0	10.2	102	70 - 130	
Carbon tetrachloride	10.0	8.59	86	70 - 130	
2,2,4-Trimethylpentane	10.0	10.5	105	70 - 130	
Benzene	10.0	9.01	90	70 - 130	
1,2-Dichloroethane	10.0	9.08	91	70 - 130	
Heptane	10.0	10.5	105	70 - 130	
Trichloroethene	10.0	9.44	94	70 - 130	
Methyl methacrylate	10.0	9.95	100	70 - 130	
1,2-Dichloropropane	10.0	9.06	91	70 - 130	
1,4-Dioxane	10.0	8.81	88	70 - 130	
Bromodichloromethane	10.0	9.00	90	70 - 130	
cis-1,3-Dichloropropene	10.0	10.5	105	70 - 130	
methyl isobutyl ketone	10.0	9.70	97	70 - 130	
Toluene	10.0	9.69	97	70 - 130	
trans-1,3-Dichloropropene	10.0	10.1	101	70 - 130	
1,1,2-Trichloroethane	10.0	9.17	92	70 - 130	
Tetrachloroethene	10.0	9.22	92	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.74	97	70 - 130	

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Control Sample - Batch: 200-68730

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68730/3	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6282_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1229	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1229			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	9.14	91	70 - 130	
1,2-Dibromoethane	10.0	9.57	96	70 - 130	
Chlorobenzene	10.0	8.91	89	70 - 130	
Ethylbenzene	10.0	9.74	97	70 - 130	
m,p-Xylene	20.0	19.0	95	70 - 130	
Xylene, o-	10.0	10.2	102	70 - 130	
Styrene	10.0	10.3	103	70 - 130	
Bromoform	10.0	9.24	92	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	8.76	88	70 - 130	
n-Propylbenzene	10.0	9.84	98	70 - 130	
4-Ethyltoluene	10.0	9.67	97	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.32	93	70 - 130	
2-Chlorotoluene	10.0	9.09	91	70 - 130	
tert-Butylbenzene	10.0	9.50	95	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.60	96	70 - 130	
sec-Butylbenzene	10.0	9.52	95	70 - 130	
4-Isopropyltoluene	10.0	9.81	98	70 - 130	
1,3-Dichlorobenzene	10.0	9.12	91	70 - 130	
1,4-Dichlorobenzene	10.0	9.63	96	70 - 130	
Benzyl chloride	10.0	9.76	98	70 - 130	
n-Butylbenzene	10.0	9.20	92	70 - 130	
1,2-Dichlorobenzene	10.0	9.05	91	70 - 130	
1,2,4-Trichlorobenzene	10.0	8.37	84	70 - 130	
Hexachloro-1,3-butadiene	10.0	8.77	88	70 - 130	
Naphthalene	10.0	8.30	83	70 - 130	

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68811

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68811/5	Analysis Batch:	200-68811	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6318_005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/25/2014 1701	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 1701			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	0.50	U	0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.20	U	0.030	0.20
Freon 113	0.20	U	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.0	U	1.3	5.0
Isopropyl alcohol	5.0	U	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.50	U	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.20	U	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68811

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68811/5	Analysis Batch:	200-68811	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6318_005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/25/2014 1701	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 1701			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.20	U	0.016	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.20	U	0.013	0.20
m,p-Xylene	0.50	U	0.023	0.50
Xylene, o-	0.20	U	0.016	0.20
Xylene (total)	0.20	U	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68811

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68811/5	Analysis Batch:	200-68811	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6318_005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/25/2014 1701	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 1701			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	2.5	U	0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.1	U	0.17	1.1
Freon 113	1.5	U	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12	U	3.0	12
Isopropyl alcohol	12	U	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6
Methylene Chloride	1.7	U	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	0.75	U	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68811

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68811/5	Analysis Batch:	200-68811	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6318_005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/25/2014 1701	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 1701			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.87	U	0.056	0.87
m,p-Xylene	2.2	U	0.10	2.2
Xylene, o-	0.87	U	0.069	0.87
Xylene (total)	0.87	U	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Control Sample - Batch: 200-68811

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68811/3	Analysis Batch:	200-68811	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6318_003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/25/2014 1351	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 1351			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Freon 12	10.0	10.4	104	70 - 130	
Freon 22	10.0	10.7	107	70 - 130	
Freon-114	10.0	10.4	104	70 - 130	
Chloromethane	10.0	10.6	107	70 - 130	
n-Butane	10.0	10.6	106	70 - 130	
Vinyl chloride	10.0	10.1	101	70 - 130	
1,3-Butadiene	10.0	10.5	105	70 - 130	
Bromomethane	10.0	10.3	103	70 - 130	
Chloroethane	10.0	10.3	103	70 - 130	
Vinyl bromide	10.0	10.4	105	70 - 130	
Freon 11	10.0	10.1	101	70 - 130	
Freon 113	10.0	10.2	102	70 - 130	
1,1-Dichloroethene	10.0	10.2	102	70 - 130	
Acetone	10.0	10.0	100	70 - 130	
Isopropyl alcohol	10.0	10.7	107	70 - 130	
Carbon disulfide	10.0	10.4	104	70 - 130	
Allyl chloride	10.0	10.6	106	70 - 130	
Methylene Chloride	10.0	10.3	103	70 - 130	
tert-Butyl alcohol	10.0	10.4	104	70 - 130	
Methyl tert-butyl ether	10.0	10.5	105	70 - 130	
trans-1,2-Dichloroethene	10.0	10.5	105	70 - 130	
Hexane	10.0	10.3	104	70 - 130	
1,1-Dichloroethane	10.0	10.4	104	70 - 130	
Methyl Ethyl Ketone	10.0	9.83	98	70 - 130	
cis-1,2-Dichloroethene	10.0	10.4	104	70 - 130	
Chloroform	10.0	10.2	102	70 - 130	
Tetrahydrofuran	10.0	10.7	107	70 - 130	
1,1,1-Trichloroethane	10.0	10.1	101	70 - 130	
Cyclohexane	10.0	10.3	103	70 - 130	
Carbon tetrachloride	10.0	10.0	100	70 - 130	
2,2,4-Trimethylpentane	10.0	10.4	104	70 - 130	
Benzene	10.0	10.2	102	70 - 130	
1,2-Dichloroethane	10.0	10.2	102	70 - 130	
Heptane	10.0	9.98	100	70 - 130	
Trichloroethene	10.0	9.84	98	70 - 130	
Methyl methacrylate	10.0	10.7	107	70 - 130	
1,2-Dichloropropane	10.0	10.4	104	70 - 130	
1,4-Dioxane	10.0	10.8	108	70 - 130	
Bromodichloromethane	10.0	10.6	106	70 - 130	
cis-1,3-Dichloropropene	10.0	10.7	107	70 - 130	
methyl isobutyl ketone	10.0	10.6	106	70 - 130	
Toluene	10.0	10.2	102	70 - 130	
trans-1,3-Dichloropropene	10.0	10.7	107	70 - 130	
1,1,2-Trichloroethane	10.0	10.2	102	70 - 130	
Tetrachloroethene	10.0	10.0	100	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	11.0	110	70 - 130	

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Control Sample - Batch: 200-68811

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68811/3	Analysis Batch:	200-68811	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6318_003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/25/2014 1351	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 1351			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	10.9	109	70 - 130	
1,2-Dibromoethane	10.0	10.6	106	70 - 130	
Chlorobenzene	10.0	10.4	104	70 - 130	
Ethylbenzene	10.0	10.4	104	70 - 130	
m,p-Xylene	20.0	20.9	104	70 - 130	
Xylene, o-	10.0	10.5	105	70 - 130	
Styrene	10.0	11.2	112	70 - 130	
Bromoform	10.0	11.3	114	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.4	104	70 - 130	
n-Propylbenzene	10.0	10.6	106	70 - 130	
4-Ethyltoluene	10.0	10.7	107	70 - 130	
1,3,5-Trimethylbenzene	10.0	10.5	105	70 - 130	
2-Chlorotoluene	10.0	10.3	103	70 - 130	
tert-Butylbenzene	10.0	10.3	103	70 - 130	
1,2,4-Trimethylbenzene	10.0	10.6	106	70 - 130	
sec-Butylbenzene	10.0	10.5	106	70 - 130	
4-Isopropyltoluene	10.0	10.7	107	70 - 130	
1,3-Dichlorobenzene	10.0	11.4	114	70 - 130	
1,4-Dichlorobenzene	10.0	11.6	116	70 - 130	
Benzyl chloride	10.0	11.9	119	70 - 130	
n-Butylbenzene	10.0	11.0	110	70 - 130	
1,2-Dichlorobenzene	10.0	11.1	111	70 - 130	
1,2,4-Trichlorobenzene	10.0	11.3	113	70 - 130	
Hexachloro-1,3-butadiene	10.0	14.5	145	70 - 130	*
Naphthalene	10.0	12.0	120	70 - 130	

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68870

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68870/5	Analysis Batch:	200-68870	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6343_05.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/26/2014 1438	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/26/2014 1438			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	0.50	U	0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.20	U	0.030	0.20
Freon 113	0.20	U	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.0	U	1.3	5.0
Isopropyl alcohol	5.0	U	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.50	U	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.20	U	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68870

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68870/5	Analysis Batch:	200-68870	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6343_05.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/26/2014 1438	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/26/2014 1438			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.20	U	0.016	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.0162	J	0.0081	0.20
Ethylbenzene	0.20	U	0.013	0.20
m,p-Xylene	0.0261	J	0.023	0.50
Xylene, o-	0.20	U	0.016	0.20
Xylene (total)	0.20	U	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.0179	J	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.0167	J	0.014	0.20
1,4-Dichlorobenzene	0.0214	J	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.0160	J	0.014	0.20
1,2,4-Trichlorobenzene	0.0298	J	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U ^	0.20	0.50

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68870

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68870/5	Analysis Batch:	200-68870	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6343_05.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/26/2014 1438	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/26/2014 1438			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	2.5	U	0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.1	U	0.17	1.1
Freon 113	1.5	U	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12	U	3.0	12
Isopropyl alcohol	12	U	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6
Methylene Chloride	1.7	U	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	0.75	U	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Method Blank - Batch: 200-68870

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68870/5	Analysis Batch:	200-68870	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6343_05.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/26/2014 1438	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/26/2014 1438			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.0745	J	0.037	0.92
Ethylbenzene	0.87	U	0.056	0.87
m,p-Xylene	0.113	J	0.10	2.2
Xylene, o-	0.87	U	0.069	0.87
Xylene (total)	0.87	U	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	0.0925	J	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	0.100	J	0.084	1.2
1,4-Dichlorobenzene	0.129	J	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	0.0963	J	0.084	1.2
1,2,4-Trichlorobenzene	0.221	J	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U ^	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Control Sample - Batch: 200-68870

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68870/4	Analysis Batch:	200-68870	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6343_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/26/2014 1346	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/26/2014 1346			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Freon 12	10.0	11.8	118	70 - 130	
Freon 22	10.0	12.5	125	70 - 130	
Freon-114	10.0	11.5	115	70 - 130	
Chloromethane	10.0	12.2	122	70 - 130	
n-Butane	10.0	12.5	125	70 - 130	
Vinyl chloride	10.0	12.1	121	70 - 130	
1,3-Butadiene	10.0	12.0	120	70 - 130	
Bromomethane	10.0	11.4	114	70 - 130	
Chloroethane	10.0	12.0	120	70 - 130	
Vinyl bromide	10.0	11.0	110	70 - 130	
Freon 11	10.0	11.3	113	70 - 130	
Freon 113	10.0	11.2	112	70 - 130	
1,1-Dichloroethene	10.0	11.1	111	70 - 130	
Acetone	10.0	12.2	122	70 - 130	
Isopropyl alcohol	10.0	12.1	121	70 - 130	
Carbon disulfide	10.0	11.0	110	70 - 130	
Allyl chloride	10.0	12.4	124	70 - 130	
Methylene Chloride	10.0	11.5	115	70 - 130	
tert-Butyl alcohol	10.0	11.2	112	70 - 130	
Methyl tert-butyl ether	10.0	11.2	112	70 - 130	
trans-1,2-Dichloroethene	10.0	11.5	115	70 - 130	
Hexane	10.0	11.1	111	70 - 130	
1,1-Dichloroethane	10.0	11.3	113	70 - 130	
Methyl Ethyl Ketone	10.0	10.1	101	70 - 130	
cis-1,2-Dichloroethene	10.0	10.7	107	70 - 130	
Chloroform	10.0	10.8	108	70 - 130	
Tetrahydrofuran	10.0	12.5	125	70 - 130	
1,1,1-Trichloroethane	10.0	11.2	112	70 - 130	
Cyclohexane	10.0	10.8	108	70 - 130	
Carbon tetrachloride	10.0	11.4	114	70 - 130	
2,2,4-Trimethylpentane	10.0	10.9	109	70 - 130	
Benzene	10.0	10.6	106	70 - 130	
1,2-Dichloroethane	10.0	11.4	114	70 - 130	
Heptane	10.0	11.1	111	70 - 130	
Trichloroethene	10.0	10.8	108	70 - 130	
Methyl methacrylate	10.0	10.8	108	70 - 130	
1,2-Dichloropropane	10.0	10.6	106	70 - 130	
1,4-Dioxane	10.0	10.4	104	70 - 130	
Bromodichloromethane	10.0	11.3	113	70 - 130	
cis-1,3-Dichloropropene	10.0	11.0	110	70 - 130	
methyl isobutyl ketone	10.0	11.5	116	70 - 130	
Toluene	10.0	10.7	107	70 - 130	
trans-1,3-Dichloropropene	10.0	10.9	109	70 - 130	
1,1,2-Trichloroethane	10.0	10.8	108	70 - 130	
Tetrachloroethene	10.0	11.4	114	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	11.6	116	70 - 130	

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Control Sample - Batch: 200-68870

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68870/4	Analysis Batch:	200-68870	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6343_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/26/2014 1346	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/26/2014 1346			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	11.3	113	70 - 130	
1,2-Dibromoethane	10.0	11.0	110	70 - 130	
Chlorobenzene	10.0	10.8	108	70 - 130	
Ethylbenzene	10.0	10.9	109	70 - 130	
m,p-Xylene	20.0	22.1	110	70 - 130	
Xylene, o-	10.0	10.8	108	70 - 130	
Styrene	10.0	11.1	111	70 - 130	
Bromoform	10.0	11.5	115	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	11.0	110	70 - 130	
n-Propylbenzene	10.0	11.1	111	70 - 130	
4-Ethyltoluene	10.0	11.5	115	70 - 130	
1,3,5-Trimethylbenzene	10.0	11.1	111	70 - 130	
2-Chlorotoluene	10.0	11.4	114	70 - 130	
tert-Butylbenzene	10.0	11.0	110	70 - 130	
1,2,4-Trimethylbenzene	10.0	11.2	112	70 - 130	
sec-Butylbenzene	10.0	11.1	111	70 - 130	
4-Isopropyltoluene	10.0	11.2	112	70 - 130	
1,3-Dichlorobenzene	10.0	11.2	112	70 - 130	
1,4-Dichlorobenzene	10.0	11.2	112	70 - 130	
Benzyl chloride	10.0	11.1	111	70 - 130	
n-Butylbenzene	10.0	11.8	118	70 - 130	
1,2-Dichlorobenzene	10.0	11.0	111	70 - 130	
1,2,4-Trichlorobenzene	10.0	13.2	132	70 - 130	*
Hexachloro-1,3-butadiene	10.0	12.0	120	70 - 130	
Naphthalene	10.0	15.7	157	70 - 130	^ *

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

Lab Section	Qualifier	Description
Air - GC/MS VOA		
	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	^	Instrument related QC exceeds the control limits
	*	Recovery or RPD exceeds control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
Sdg Number: 200-20955-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-68420					
LCS 200-68420/3	Lab Control Sample	T	Air	TO-15	
MB 200-68420/4	Method Blank	T	Air	TO-15	
200-20955-1	IA-VMP-1B	T	Air	TO-15	
200-20955-3	IA-VMP-2B	T	Air	TO-15	
200-20955-5	IA-VMP-2C	T	Air	TO-15	
200-20955-9	IA-VMP-3B	T	Air	TO-15	
200-20955-11	IA-VMP-3D	T	Air	TO-15	
200-20955-19	IA-VMP-3E	T	Air	TO-15	
200-20955-21	IA-VMP-4	T	Air	TO-15	
Analysis Batch:200-68679					
LCS 200-68679/3	Lab Control Sample	T	Air	TO-15	
MB 200-68679/4	Method Blank	T	Air	TO-15	
Analysis Batch:200-68730					
LCS 200-68730/3	Lab Control Sample	T	Air	TO-15	
MB 200-68730/4	Method Blank	T	Air	TO-15	
200-20955-26	IA-VMP-7A	T	Air	TO-15	
200-20955-29	IA-VMP-8D	T	Air	TO-15	
200-20955-31	IA-DUP-021214	T	Air	TO-15	
200-20969-2	AMB-021314	T	Air	TO-15	
Analysis Batch:200-68745					
200-20955-7	IA-VMP-3A	T	Air	TO-15	
200-20955-13	IA-VMP-5B	T	Air	TO-15	
200-20955-15	IA-VMP-6A	T	Air	TO-15	
200-20955-17	IA-VMP-6B	T	Air	TO-15	
Analysis Batch:200-68811					
LCS 200-68811/3	Lab Control Sample	T	Air	TO-15	
MB 200-68811/5	Method Blank	T	Air	TO-15	
200-20955-27	IA-VMP-7	T	Air	TO-15	
Analysis Batch:200-68870					
LCS 200-68870/4	Lab Control Sample	T	Air	TO-15	
MB 200-68870/5	Method Blank	T	Air	TO-15	
200-20955-23	IA-VMP-5A	T	Air	TO-15	

Report Basis
T = Total

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
SDG: 200-20955-1

Laboratory Chronicle

Lab ID: 200-20955-1 **Client ID:** IA-VMP-1B

Sample Date/Time: 02/12/2014 19:05 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-1		200-68420		02/17/2014 23:03	1	TAL BUR	BPL
A:TO-15	200-20955-A-1		200-68420		02/17/2014 23:03	1	TAL BUR	BPL

Lab ID: 200-20955-3 **Client ID:** IA-VMP-2B

Sample Date/Time: 02/12/2014 17:24 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-3		200-68420		02/17/2014 23:52	1	TAL BUR	BPL
A:TO-15	200-20955-A-3		200-68420		02/17/2014 23:52	1	TAL BUR	BPL

Lab ID: 200-20955-5 **Client ID:** IA-VMP-2C

Sample Date/Time: 02/12/2014 17:27 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-5		200-68420		02/18/2014 00:44	1	TAL BUR	BPL
A:TO-15	200-20955-A-5		200-68420		02/18/2014 00:44	1	TAL BUR	BPL

Lab ID: 200-20955-7 **Client ID:** IA-VMP-3A

Sample Date/Time: 02/12/2014 17:02 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-7		200-68745		02/22/2014 01:30	12.9	TAL BUR	PAD
A:TO-15	200-20955-A-7		200-68745		02/22/2014 01:30	12.9	TAL BUR	PAD

Lab ID: 200-20955-9 **Client ID:** IA-VMP-3B

Sample Date/Time: 02/12/2014 17:22 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-9		200-68420		02/18/2014 02:23	1	TAL BUR	BPL
A:TO-15	200-20955-A-9		200-68420		02/18/2014 02:23	1	TAL BUR	BPL

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
SDG: 200-20955-1

Laboratory Chronicle

Lab ID: 200-20955-11 **Client ID:** IA-VMP-3D

Sample Date/Time: 02/12/2014 16:32 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-11		200-68420		02/18/2014 03:13	1	TAL BUR	BPL
A:TO-15	200-20955-A-11		200-68420		02/18/2014 03:13	1	TAL BUR	BPL

Lab ID: 200-20955-13 **Client ID:** IA-VMP-5B

Sample Date/Time: 02/12/2014 17:14 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-13		200-68745		02/22/2014 04:38	13	TAL BUR	PAD
A:TO-15	200-20955-A-13		200-68745		02/22/2014 04:38	13	TAL BUR	PAD

Lab ID: 200-20955-15 **Client ID:** IA-VMP-6A

Sample Date/Time: 02/12/2014 16:52 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-15		200-68745		02/22/2014 06:11	14.8	TAL BUR	PAD
A:TO-15	200-20955-A-15		200-68745		02/22/2014 06:11	14.8	TAL BUR	PAD

Lab ID: 200-20955-17 **Client ID:** IA-VMP-6B

Sample Date/Time: 02/12/2014 17:08 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-17		200-68745		02/22/2014 07:45	10	TAL BUR	PAD
A:TO-15	200-20955-A-17		200-68745		02/22/2014 07:45	10	TAL BUR	PAD

Lab ID: 200-20955-19 **Client ID:** IA-VMP-3E

Sample Date/Time: 02/12/2014 16:40 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-19		200-68420		02/18/2014 06:37	1	TAL BUR	BPL
A:TO-15	200-20955-A-19		200-68420		02/18/2014 06:37	1	TAL BUR	BPL

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
SDG: 200-20955-1

Laboratory Chronicle

Lab ID: 200-20955-21 **Client ID:** IA-VMP-4

Sample Date/Time: 02/12/2014 17:30 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-21		200-68420		02/18/2014 07:28	1	TAL BUR	BPL
A:TO-15	200-20955-A-21		200-68420		02/18/2014 07:28	1	TAL BUR	BPL

Lab ID: 200-20955-23 **Client ID:** IA-VMP-5A

Sample Date/Time: 02/12/2014 16:55 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-23		200-68870		02/26/2014 23:37	38.3	TAL BUR	WRD
A:TO-15	200-20955-A-23		200-68870		02/26/2014 23:37	38.3	TAL BUR	WRD

Lab ID: 200-20955-26 **Client ID:** IA-VMP-7A

Sample Date/Time: 02/12/2014 18:15 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-26		200-68730		02/25/2014 07:37	10	TAL BUR	BPL
A:TO-15	200-20955-A-26		200-68730		02/25/2014 07:37	10	TAL BUR	BPL

Lab ID: 200-20955-27 **Client ID:** IA-VMP-7

Sample Date/Time: 02/12/2014 19:07 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-27		200-68811		02/25/2014 20:57	10	TAL BUR	BPL
A:TO-15	200-20955-A-27		200-68811		02/25/2014 20:57	10	TAL BUR	BPL

Lab ID: 200-20955-29 **Client ID:** IA-VMP-8D

Sample Date/Time: 02/12/2014 16:34 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-29		200-68730		02/24/2014 17:31	1	TAL BUR	BPL
A:TO-15	200-20955-A-29		200-68730		02/24/2014 17:31	1	TAL BUR	BPL

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
SDG: 200-20955-1

Laboratory Chronicle

Lab ID: 200-20955-31 **Client ID:** IA-DUP-021214

Sample Date/Time: 02/12/2014 00:00 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-31		200-68730		02/24/2014 18:25	1	TAL BUR	BPL
A:TO-15	200-20955-A-31		200-68730		02/24/2014 18:25	1	TAL BUR	BPL

Lab ID: 200-20969-2 **Client ID:** AMB-021314

Sample Date/Time: 02/13/2014 20:00 Received Date/Time: 02/17/2014 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20969-A-2		200-68730		02/25/2014 04:13	1	TAL BUR	BPL
A:TO-15	200-20969-A-2		200-68730		02/25/2014 04:13	1	TAL BUR	BPL

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-68420/4		200-68420		02/17/2014 12:41	1	TAL BUR	BPL
A:TO-15	MB 200-68420/4		200-68420		02/17/2014 12:41	1	TAL BUR	BPL
P:Summa Canister	MB 200-68679/4		200-68679		02/21/2014 13:23	1	TAL BUR	BPL
A:TO-15	MB 200-68679/4		200-68679		02/21/2014 13:23	1	TAL BUR	BPL
P:Summa Canister	MB 200-68730/4		200-68730		02/24/2014 13:46	1	TAL BUR	BPL
A:TO-15	MB 200-68730/4		200-68730		02/24/2014 13:46	1	TAL BUR	BPL
P:Summa Canister	MB 200-68811/5		200-68811		02/25/2014 17:01	1	TAL BUR	BPL
A:TO-15	MB 200-68811/5		200-68811		02/25/2014 17:01	1	TAL BUR	BPL
P:Summa Canister	MB 200-68870/5		200-68870		02/26/2014 14:38	1	TAL BUR	WRD
A:TO-15	MB 200-68870/5		200-68870		02/26/2014 14:38	1	TAL BUR	WRD

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
SDG: 200-20955-1

Laboratory Chronicle

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-68420/3		200-68420		02/17/2014 11:32	1	TAL BUR	BPL
A:TO-15	LCS 200-68420/3		200-68420		02/17/2014 11:32	1	TAL BUR	BPL
P:Summa Canister	LCS 200-68679/3		200-68679		02/21/2014 12:36	1	TAL BUR	BPL
A:TO-15	LCS 200-68679/3		200-68679		02/21/2014 12:36	1	TAL BUR	BPL
P:Summa Canister	LCS 200-68730/3		200-68730		02/24/2014 12:29	1	TAL BUR	BPL
A:TO-15	LCS 200-68730/3		200-68730		02/24/2014 12:29	1	TAL BUR	BPL
P:Summa Canister	LCS 200-68811/3		200-68811		02/25/2014 13:51	1	TAL BUR	BPL
A:TO-15	LCS 200-68811/3		200-68811		02/25/2014 13:51	1	TAL BUR	BPL
P:Summa Canister	LCS 200-68870/4		200-68870		02/26/2014 13:46	1	TAL BUR	WRD
A:TO-15	LCS 200-68870/4		200-68870		02/26/2014 13:46	1	TAL BUR	WRD

Lab References:
TAL BUR = TestAmerica Burlington

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: LMC Utica

TestAmerica Job ID: 200-20955-1
SDG: 200-20955-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA
TestAmerica Burlington	Florida	NELAP	4	E87467
TestAmerica Burlington	L-A-B	DoD ELAP		L2336
TestAmerica Burlington	Louisiana	NELAP	6	176292
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAP	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAP	1	2006
TestAmerica Burlington	New Jersey	NELAP	2	VT972
TestAmerica Burlington	New York	NELAP	2	10391
TestAmerica Burlington	Pennsylvania	NELAP	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	US Fish & Wildlife	Federal		LE-058448-0
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAP	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method TO15

Volatile Organic Compounds (GC/MS)
by Method TO15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Matrix: Air Level: Low Lab File ID: 6171_003.d

Lab ID: LCS 200-68420/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 12	10.0	9.74	97	70-130	
Freon 22	10.0	9.58	96	70-130	
Freon-114	10.0	10.1	101	70-130	
Chloromethane	10.0	9.00	90	70-130	
n-Butane	10.0	9.76	98	70-130	
Vinyl chloride	10.0	8.69	87	70-130	
1,3-Butadiene	10.0	9.52	95	70-130	
Bromomethane	10.0	8.79	88	70-130	
Chloroethane	10.0	8.93	89	70-130	
Vinyl bromide	10.0	9.54	95	70-130	
Freon 11	10.0	9.62	96	70-130	
Freon 113	10.0	9.14	91	70-130	
1,1-Dichloroethene	10.0	9.57	96	70-130	
Acetone	10.0	10.9	109	70-130	
Isopropyl alcohol	10.0	8.16	82	70-130	
Carbon disulfide	10.0	10.6	106	70-130	
Allyl chloride	10.0	10.3	103	70-130	
Methylene Chloride	10.0	9.61	96	70-130	
tert-Butyl alcohol	10.0	9.11	91	70-130	
Methyl tert-butyl ether	10.0	11.4	114	70-130	
trans-1,2-Dichloroethene	10.0	10.5	105	70-130	
Hexane	10.0	11.5	115	70-130	
1,1-Dichloroethane	10.0	9.26	93	70-130	
Methyl Ethyl Ketone	10.0	9.57	96	70-130	
cis-1,2-Dichloroethene	10.0	9.94	99	70-130	
Chloroform	10.0	9.63	96	70-130	
Tetrahydrofuran	10.0	9.88	99	70-130	
1,1,1-Trichloroethane	10.0	9.90	99	70-130	
Cyclohexane	10.0	10.5	105	70-130	
Carbon tetrachloride	10.0	9.51	95	70-130	
2,2,4-Trimethylpentane	10.0	10.8	108	70-130	
Benzene	10.0	9.27	93	70-130	
1,2-Dichloroethane	10.0	10.1	101	70-130	
Heptane	10.0	11.0	110	70-130	
Trichloroethene	10.0	9.79	98	70-130	
Methyl methacrylate	10.0	10.2	102	70-130	
1,2-Dichloropropane	10.0	9.35	93	70-130	
1,4-Dioxane	10.0	7.65	77	70-130	
Bromodichloromethane	10.0	9.71	97	70-130	
cis-1,3-Dichloropropene	10.0	10.9	109	70-130	
methyl isobutyl ketone	10.0	10.2	102	70-130	
Toluene	10.0	9.79	98	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Matrix: Air Level: Low Lab File ID: 6171_003.d

Lab ID: LCS 200-68420/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.7	107	70-130	
1,1,2-Trichloroethane	10.0	9.23	92	70-130	
Tetrachloroethene	10.0	9.48	95	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.1	101	70-130	
Dibromochloromethane	10.0	9.57	96	70-130	
1,2-Dibromoethane	10.0	9.84	98	70-130	
Chlorobenzene	10.0	8.97	90	70-130	
Ethylbenzene	10.0	10.1	101	70-130	
m,p-Xylene	20.0	19.4	97	70-130	
Xylene, o-	10.0	10.4	104	70-130	
Styrene	10.0	10.5	105	70-130	
Bromoform	10.0	9.71	97	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.98	90	70-130	
n-Propylbenzene	10.0	10.3	104	70-130	
4-Ethyltoluene	10.0	10.0	100	70-130	
1,3,5-Trimethylbenzene	10.0	9.84	98	70-130	
2-Chlorotoluene	10.0	9.59	96	70-130	
tert-Butylbenzene	10.0	9.92	99	70-130	
1,2,4-Trimethylbenzene	10.0	10.1	101	70-130	
sec-Butylbenzene	10.0	9.90	99	70-130	
4-Isopropyltoluene	10.0	10.2	102	70-130	
1,3-Dichlorobenzene	10.0	9.30	93	70-130	
1,4-Dichlorobenzene	10.0	9.74	97	70-130	
Benzyl chloride	10.0	9.91	99	70-130	
n-Butylbenzene	10.0	9.67	97	70-130	
1,2-Dichlorobenzene	10.0	9.32	93	70-130	
1,2,4-Trichlorobenzene	10.0	7.75	78	70-130	
Hexachloro-1,3-butadiene	10.0	8.95	90	70-130	
Naphthalene	10.0	7.15	72	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Matrix: Air Level: Low Lab File ID: 6267_003.D

Lab ID: LCS 200-68679/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 12	10.0	8.98	90	70-130	
Freon 22	10.0	8.83	88	70-130	
Freon-114	10.0	9.89	99	70-130	
Chloromethane	10.0	8.50	85	70-130	
n-Butane	10.0	8.85	89	70-130	
Vinyl chloride	10.0	8.30	83	70-130	
1,3-Butadiene	10.0	8.47	85	70-130	
Bromomethane	10.0	9.02	90	70-130	
Chloroethane	10.0	8.92	89	70-130	
Vinyl bromide	10.0	9.04	90	70-130	
Freon 11	10.0	8.79	88	70-130	
Freon 113	10.0	9.04	90	70-130	
1,1-Dichloroethene	10.0	8.79	88	70-130	
Acetone	10.0	11.2	112	70-130	
Isopropyl alcohol	10.0	7.72	77	70-130	
Carbon disulfide	10.0	10.2	102	70-130	
Allyl chloride	10.0	8.56	86	70-130	
Methylene Chloride	10.0	8.89	89	70-130	
tert-Butyl alcohol	10.0	8.24	82	70-130	
Methyl tert-butyl ether	10.0	9.10	91	70-130	
trans-1,2-Dichloroethene	10.0	9.62	96	70-130	
Hexane	10.0	9.59	96	70-130	
1,1-Dichloroethane	10.0	9.09	91	70-130	
Methyl Ethyl Ketone	10.0	8.96	90	70-130	
cis-1,2-Dichloroethene	10.0	8.92	89	70-130	
Chloroform	10.0	9.06	91	70-130	
Tetrahydrofuran	10.0	9.27	93	70-130	
1,1,1-Trichloroethane	10.0	9.11	91	70-130	
Cyclohexane	10.0	9.16	92	70-130	
Carbon tetrachloride	10.0	9.01	90	70-130	
2,2,4-Trimethylpentane	10.0	9.02	90	70-130	
Benzene	10.0	9.03	90	70-130	
1,2-Dichloroethane	10.0	9.05	90	70-130	
Heptane	10.0	8.72	87	70-130	
Trichloroethene	10.0	8.88	89	70-130	
Methyl methacrylate	10.0	9.86	99	70-130	
1,2-Dichloropropane	10.0	9.10	91	70-130	
1,4-Dioxane	10.0	8.27	83	70-130	
Bromodichloromethane	10.0	9.43	94	70-130	
cis-1,3-Dichloropropene	10.0	9.53	95	70-130	
methyl isobutyl ketone	10.0	9.16	92	70-130	
Toluene	10.0	9.06	91	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Matrix: Air Level: Low Lab File ID: 6267_003.D

Lab ID: LCS 200-68679/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	9.56	96	70-130	
1,1,2-Trichloroethane	10.0	9.05	91	70-130	
Tetrachloroethene	10.0	8.97	90	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.24	92	70-130	
Dibromochloromethane	10.0	9.38	94	70-130	
1,2-Dibromoethane	10.0	9.47	95	70-130	
Chlorobenzene	10.0	9.21	92	70-130	
Ethylbenzene	10.0	9.13	91	70-130	
m,p-Xylene	20.0	18.2	91	70-130	
Xylene, o-	10.0	8.98	90	70-130	
Styrene	10.0	9.67	97	70-130	
Bromoform	10.0	9.91	99	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.17	92	70-130	
n-Propylbenzene	10.0	9.19	92	70-130	
4-Ethyltoluene	10.0	9.45	94	70-130	
1,3,5-Trimethylbenzene	10.0	9.06	91	70-130	
2-Chlorotoluene	10.0	9.02	90	70-130	
tert-Butylbenzene	10.0	8.91	89	70-130	
1,2,4-Trimethylbenzene	10.0	9.21	92	70-130	
sec-Butylbenzene	10.0	9.09	91	70-130	
4-Isopropyltoluene	10.0	9.26	93	70-130	
1,3-Dichlorobenzene	10.0	9.97	100	70-130	
1,4-Dichlorobenzene	10.0	10.0	100	70-130	
Benzyl chloride	10.0	9.43	94	70-130	
n-Butylbenzene	10.0	9.42	94	70-130	
1,2-Dichlorobenzene	10.0	9.72	97	70-130	
1,2,4-Trichlorobenzene	10.0	9.29	93	70-130	
Hexachloro-1,3-butadiene	10.0	12.1	121	70-130	
Naphthalene	10.0	8.79	88	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Matrix: Air Level: Low Lab File ID: 6282_003.d

Lab ID: LCS 200-68730/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 12	10.0	8.87	89	70-130	
Freon 22	10.0	8.79	88	70-130	
Freon-114	10.0	9.45	95	70-130	
Chloromethane	10.0	8.46	85	70-130	
n-Butane	10.0	9.17	92	70-130	
Vinyl chloride	10.0	8.29	83	70-130	
1,3-Butadiene	10.0	8.98	90	70-130	
Bromomethane	10.0	8.31	83	70-130	
Chloroethane	10.0	8.51	85	70-130	
Vinyl bromide	10.0	9.15	92	70-130	
Freon 11	10.0	8.59	86	70-130	
Freon 113	10.0	8.70	87	70-130	
1,1-Dichloroethene	10.0	9.34	93	70-130	
Acetone	10.0	9.94	99	70-130	
Isopropyl alcohol	10.0	8.46	85	70-130	
Carbon disulfide	10.0	10.3	103	70-130	
Allyl chloride	10.0	9.58	96	70-130	
Methylene Chloride	10.0	8.94	89	70-130	
tert-Butyl alcohol	10.0	8.99	90	70-130	
Methyl tert-butyl ether	10.0	10.6	106	70-130	
trans-1,2-Dichloroethene	10.0	9.87	99	70-130	
Hexane	10.0	11.1	111	70-130	
1,1-Dichloroethane	10.0	8.75	87	70-130	
Methyl Ethyl Ketone	10.0	9.47	95	70-130	
cis-1,2-Dichloroethene	10.0	9.53	95	70-130	
Chloroform	10.0	8.94	89	70-130	
Tetrahydrofuran	10.0	9.51	95	70-130	
1,1,1-Trichloroethane	10.0	8.99	90	70-130	
Cyclohexane	10.0	10.2	102	70-130	
Carbon tetrachloride	10.0	8.59	86	70-130	
2,2,4-Trimethylpentane	10.0	10.5	105	70-130	
Benzene	10.0	9.01	90	70-130	
1,2-Dichloroethane	10.0	9.08	91	70-130	
Heptane	10.0	10.5	105	70-130	
Trichloroethene	10.0	9.44	94	70-130	
Methyl methacrylate	10.0	9.95	100	70-130	
1,2-Dichloropropane	10.0	9.06	91	70-130	
1,4-Dioxane	10.0	8.81	88	70-130	
Bromodichloromethane	10.0	9.00	90	70-130	
cis-1,3-Dichloropropene	10.0	10.5	105	70-130	
methyl isobutyl ketone	10.0	9.70	97	70-130	
Toluene	10.0	9.69	97	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Matrix: Air Level: Low Lab File ID: 6282_003.d

Lab ID: LCS 200-68730/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.1	101	70-130	
1,1,2-Trichloroethane	10.0	9.17	92	70-130	
Tetrachloroethene	10.0	9.22	92	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.74	97	70-130	
Dibromochloromethane	10.0	9.14	91	70-130	
1,2-Dibromoethane	10.0	9.57	96	70-130	
Chlorobenzene	10.0	8.91	89	70-130	
Ethylbenzene	10.0	9.74	97	70-130	
m,p-Xylene	20.0	19.0	95	70-130	
Xylene, o-	10.0	10.2	102	70-130	
Styrene	10.0	10.3	103	70-130	
Bromoform	10.0	9.24	92	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.76	88	70-130	
n-Propylbenzene	10.0	9.84	98	70-130	
4-Ethyltoluene	10.0	9.67	97	70-130	
1,3,5-Trimethylbenzene	10.0	9.32	93	70-130	
2-Chlorotoluene	10.0	9.09	91	70-130	
tert-Butylbenzene	10.0	9.50	95	70-130	
1,2,4-Trimethylbenzene	10.0	9.60	96	70-130	
sec-Butylbenzene	10.0	9.52	95	70-130	
4-Isopropyltoluene	10.0	9.81	98	70-130	
1,3-Dichlorobenzene	10.0	9.12	91	70-130	
1,4-Dichlorobenzene	10.0	9.63	96	70-130	
Benzyl chloride	10.0	9.76	98	70-130	
n-Butylbenzene	10.0	9.20	92	70-130	
1,2-Dichlorobenzene	10.0	9.05	91	70-130	
1,2,4-Trichlorobenzene	10.0	8.37	84	70-130	
Hexachloro-1,3-butadiene	10.0	8.77	88	70-130	
Naphthalene	10.0	8.30	83	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Matrix: Air Level: Low Lab File ID: 6318_003.D

Lab ID: LCS 200-68811/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 12	10.0	10.4	104	70-130	
Freon 22	10.0	10.7	107	70-130	
Freon-114	10.0	10.4	104	70-130	
Chloromethane	10.0	10.6	107	70-130	
n-Butane	10.0	10.6	106	70-130	
Vinyl chloride	10.0	10.1	101	70-130	
1,3-Butadiene	10.0	10.5	105	70-130	
Bromomethane	10.0	10.3	103	70-130	
Chloroethane	10.0	10.3	103	70-130	
Vinyl bromide	10.0	10.4	105	70-130	
Freon 11	10.0	10.1	101	70-130	
Freon 113	10.0	10.2	102	70-130	
1,1-Dichloroethene	10.0	10.2	102	70-130	
Acetone	10.0	10.0	100	70-130	
Isopropyl alcohol	10.0	10.7	107	70-130	
Carbon disulfide	10.0	10.4	104	70-130	
Allyl chloride	10.0	10.6	106	70-130	
Methylene Chloride	10.0	10.3	103	70-130	
tert-Butyl alcohol	10.0	10.4	104	70-130	
Methyl tert-butyl ether	10.0	10.5	105	70-130	
trans-1,2-Dichloroethene	10.0	10.5	105	70-130	
Hexane	10.0	10.3	104	70-130	
1,1-Dichloroethane	10.0	10.4	104	70-130	
Methyl Ethyl Ketone	10.0	9.83	98	70-130	
cis-1,2-Dichloroethene	10.0	10.4	104	70-130	
Chloroform	10.0	10.2	102	70-130	
Tetrahydrofuran	10.0	10.7	107	70-130	
1,1,1-Trichloroethane	10.0	10.1	101	70-130	
Cyclohexane	10.0	10.3	103	70-130	
Carbon tetrachloride	10.0	10.0	100	70-130	
2,2,4-Trimethylpentane	10.0	10.4	104	70-130	
Benzene	10.0	10.2	102	70-130	
1,2-Dichloroethane	10.0	10.2	102	70-130	
Heptane	10.0	9.98	100	70-130	
Trichloroethene	10.0	9.84	98	70-130	
Methyl methacrylate	10.0	10.7	107	70-130	
1,2-Dichloropropane	10.0	10.4	104	70-130	
1,4-Dioxane	10.0	10.8	108	70-130	
Bromodichloromethane	10.0	10.6	106	70-130	
cis-1,3-Dichloropropene	10.0	10.7	107	70-130	
methyl isobutyl ketone	10.0	10.6	106	70-130	
Toluene	10.0	10.2	102	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Matrix: Air Level: Low Lab File ID: 6318_003.D

Lab ID: LCS 200-68811/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.7	107	70-130	
1,1,2-Trichloroethane	10.0	10.2	102	70-130	
Tetrachloroethene	10.0	10.0	100	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	11.0	110	70-130	
Dibromochloromethane	10.0	10.9	109	70-130	
1,2-Dibromoethane	10.0	10.6	106	70-130	
Chlorobenzene	10.0	10.4	104	70-130	
Ethylbenzene	10.0	10.4	104	70-130	
m,p-Xylene	20.0	20.9	104	70-130	
Xylene, o-	10.0	10.5	105	70-130	
Styrene	10.0	11.2	112	70-130	
Bromoform	10.0	11.3	114	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.4	104	70-130	
n-Propylbenzene	10.0	10.6	106	70-130	
4-Ethyltoluene	10.0	10.7	107	70-130	
1,3,5-Trimethylbenzene	10.0	10.5	105	70-130	
2-Chlorotoluene	10.0	10.3	103	70-130	
tert-Butylbenzene	10.0	10.3	103	70-130	
1,2,4-Trimethylbenzene	10.0	10.6	106	70-130	
sec-Butylbenzene	10.0	10.5	106	70-130	
4-Isopropyltoluene	10.0	10.7	107	70-130	
1,3-Dichlorobenzene	10.0	11.4	114	70-130	
1,4-Dichlorobenzene	10.0	11.6	116	70-130	
Benzyl chloride	10.0	11.9	119	70-130	
n-Butylbenzene	10.0	11.0	110	70-130	
1,2-Dichlorobenzene	10.0	11.1	111	70-130	
1,2,4-Trichlorobenzene	10.0	11.3	113	70-130	
Hexachloro-1,3-butadiene	10.0	14.5	145	70-130	*
Naphthalene	10.0	12.0	120	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Matrix: Air Level: Low Lab File ID: 6343_04.D

Lab ID: LCS 200-68870/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 12	10.0	11.8	118	70-130	
Freon 22	10.0	12.5	125	70-130	
Freon-114	10.0	11.5	115	70-130	
Chloromethane	10.0	12.2	122	70-130	
n-Butane	10.0	12.5	125	70-130	
Vinyl chloride	10.0	12.1	121	70-130	
1,3-Butadiene	10.0	12.0	120	70-130	
Bromomethane	10.0	11.4	114	70-130	
Chloroethane	10.0	12.0	120	70-130	
Vinyl bromide	10.0	11.0	110	70-130	
Freon 11	10.0	11.3	113	70-130	
Freon 113	10.0	11.2	112	70-130	
1,1-Dichloroethene	10.0	11.1	111	70-130	
Acetone	10.0	12.2	122	70-130	
Isopropyl alcohol	10.0	12.1	121	70-130	
Carbon disulfide	10.0	11.0	110	70-130	
Allyl chloride	10.0	12.4	124	70-130	
Methylene Chloride	10.0	11.5	115	70-130	
tert-Butyl alcohol	10.0	11.2	112	70-130	
Methyl tert-butyl ether	10.0	11.2	112	70-130	
trans-1,2-Dichloroethene	10.0	11.5	115	70-130	
Hexane	10.0	11.1	111	70-130	
1,1-Dichloroethane	10.0	11.3	113	70-130	
Methyl Ethyl Ketone	10.0	10.1	101	70-130	
cis-1,2-Dichloroethene	10.0	10.7	107	70-130	
Chloroform	10.0	10.8	108	70-130	
Tetrahydrofuran	10.0	12.5	125	70-130	
1,1,1-Trichloroethane	10.0	11.2	112	70-130	
Cyclohexane	10.0	10.8	108	70-130	
Carbon tetrachloride	10.0	11.4	114	70-130	
2,2,4-Trimethylpentane	10.0	10.9	109	70-130	
Benzene	10.0	10.6	106	70-130	
1,2-Dichloroethane	10.0	11.4	114	70-130	
Heptane	10.0	11.1	111	70-130	
Trichloroethene	10.0	10.8	108	70-130	
Methyl methacrylate	10.0	10.8	108	70-130	
1,2-Dichloropropane	10.0	10.6	106	70-130	
1,4-Dioxane	10.0	10.4	104	70-130	
Bromodichloromethane	10.0	11.3	113	70-130	
cis-1,3-Dichloropropene	10.0	11.0	110	70-130	
methyl isobutyl ketone	10.0	11.5	116	70-130	
Toluene	10.0	10.7	107	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Matrix: Air Level: Low Lab File ID: 6343_04.D

Lab ID: LCS 200-68870/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.9	109	70-130	
1,1,2-Trichloroethane	10.0	10.8	108	70-130	
Tetrachloroethene	10.0	11.4	114	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	11.6	116	70-130	
Dibromochloromethane	10.0	11.3	113	70-130	
1,2-Dibromoethane	10.0	11.0	110	70-130	
Chlorobenzene	10.0	10.8	108	70-130	
Ethylbenzene	10.0	10.9	109	70-130	
m,p-Xylene	20.0	22.1	110	70-130	
Xylene, o-	10.0	10.8	108	70-130	
Styrene	10.0	11.1	111	70-130	
Bromoform	10.0	11.5	115	70-130	
1,1,2,2-Tetrachloroethane	10.0	11.0	110	70-130	
n-Propylbenzene	10.0	11.1	111	70-130	
4-Ethyltoluene	10.0	11.5	115	70-130	
1,3,5-Trimethylbenzene	10.0	11.1	111	70-130	
2-Chlorotoluene	10.0	11.4	114	70-130	
tert-Butylbenzene	10.0	11.0	110	70-130	
1,2,4-Trimethylbenzene	10.0	11.2	112	70-130	
sec-Butylbenzene	10.0	11.1	111	70-130	
4-Isopropyltoluene	10.0	11.2	112	70-130	
1,3-Dichlorobenzene	10.0	11.2	112	70-130	
1,4-Dichlorobenzene	10.0	11.2	112	70-130	
Benzyl chloride	10.0	11.1	111	70-130	
n-Butylbenzene	10.0	11.8	118	70-130	
1,2-Dichlorobenzene	10.0	11.0	111	70-130	
1,2,4-Trichlorobenzene	10.0	13.2	132	70-130	*
Hexachloro-1,3-butadiene	10.0	12.0	120	70-130	
Naphthalene	10.0	15.7	157	70-130	^ *

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab File ID: 6171_004.d Lab Sample ID: MB 200-68420/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 02/17/2014 12:41

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-68420/3	6171_003.d	02/17/2014 11:32
IA-VMP-1B	200-20955-1	6171_015.d	02/17/2014 23:03
IA-VMP-2B	200-20955-3	6171_016.d	02/17/2014 23:52
IA-VMP-2C	200-20955-5	6171_017.d	02/18/2014 00:44
IA-VMP-3B	200-20955-9	6171_019.d	02/18/2014 02:23
IA-VMP-3D	200-20955-11	6171_020.d	02/18/2014 03:13
IA-VMP-3E	200-20955-19	6171_024.d	02/18/2014 06:37
IA-VMP-4	200-20955-21	6171_025.d	02/18/2014 07:28

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab File ID: 6267_004.D Lab Sample ID: MB 200-68679/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHG.i Date Analyzed: 02/21/2014 13:23

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-68679/3	6267_003.D	02/21/2014 12:36
IA-VMP-3A	200-20955-7	6267_019.D	02/22/2014 01:30
IA-VMP-5B	200-20955-13	6267_023.D	02/22/2014 04:38
IA-VMP-6A	200-20955-15	6267_025.D	02/22/2014 06:11
IA-VMP-6B	200-20955-17	6267_027.D	02/22/2014 07:45

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab File ID: 6282_004.d Lab Sample ID: MB 200-68730/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 02/24/2014 13:46

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-68730/3	6282_003.d	02/24/2014 12:29
IA-VMP-8D	200-20955-29	6282_008.d	02/24/2014 17:31
IA-DUP-021214	200-20955-31	6282_009.d	02/24/2014 18:25
AMB-021314	200-20969-2	6282_021.d	02/25/2014 04:13
IA-VMP-7A	200-20955-26	6282_025.d	02/25/2014 07:37

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab File ID: 6318_005.D Lab Sample ID: MB 200-68811/5

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHG.i Date Analyzed: 02/25/2014 17:01

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-68811/3	6318_003.D	02/25/2014 13:51
IA-VMP-7	200-20955-27	6318_010.D	02/25/2014 20:57

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab File ID: 6343_05.D Lab Sample ID: MB 200-68870/5

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHC.i Date Analyzed: 02/26/2014 14:38

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-68870/4	6343_04.D	02/26/2014 13:46
IA-VMP-5A	200-20955-23	6343_15.D	02/26/2014 23:37

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab File ID: cma001.D BFB Injection Date: 01/03/2014

Instrument ID: CHC.i BFB Injection Time: 07:37

Analysis Batch No.: 66774

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.4	
75	30.0 - 66.0% of mass 95	49.0	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	67.2	
175	4.0 - 9.0 % of mass 174	4.6	(6.8)1
176	93.0 - 101.0% of mass 174	64.6	(96.1)1
177	5.0 - 9.0% of mass 176	4.2	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-66774/3	cma003.D	01/03/2014	09:43
	IC 200-66774/4	cma004.D	01/03/2014	10:35
	IC 200-66774/5	cma005.D	01/03/2014	11:28
	IC 200-66774/6	cma006.D	01/03/2014	12:20
	ICIS 200-66774/7	cma007.D	01/03/2014	13:12
	IC 200-66774/8	cma008.D	01/03/2014	14:04
	IC 200-66774/9	cma009.D	01/03/2014	14:56
	IC 200-66774/10	cma010.D	01/03/2014	15:48
	ICV 200-66774/13	cma013.D	01/03/2014	17:25

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab File ID: 6343_01.D BFB Injection Date: 02/26/2014

Instrument ID: CHC.i BFB Injection Time: 11:15

Analysis Batch No.: 68870

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.3	
75	30.0 - 66.0% of mass 95	44.0	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.1	(0.2)1
174	50.0 - 120.0% of mass 95	70.0	
175	4.0 - 9.0 % of mass 174	4.8	(6.9)1
176	93.0 - 101.0% of mass 174	67.0	(95.7)1
177	5.0 - 9.0% of mass 176	4.3	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-68870/3	6343_03.D	02/26/2014	12:54
	LCS 200-68870/4	6343_04.D	02/26/2014	13:46
	MB 200-68870/5	6343_05.D	02/26/2014	14:38
IA-VMP-5A	200-20955-23	6343_15.D	02/26/2014	23:37

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab File ID: 6246_001.D BFB Injection Date: 02/20/2014

Instrument ID: CHG.i BFB Injection Time: 12:20

Analysis Batch No.: 68619

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.5	
75	30.0 - 66.0% of mass 95	40.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	93.6	
175	4.0 - 9.0 % of mass 174	6.7	(7.2)1
176	93.0 - 101.0% of mass 174	90.8	(97.1)1
177	5.0 - 9.0% of mass 176	5.8	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-68619/6	6246_006.D	02/20/2014	16:25
	IC 200-68619/7	6246_007.D	02/20/2014	17:12
	IC 200-68619/8	6246_008.D	02/20/2014	17:59
	IC 200-68619/9	6246_009.D	02/20/2014	18:46
	ICIS 200-68619/10	6246_010.D	02/20/2014	19:33
	IC 200-68619/11	6246_011.D	02/20/2014	20:20
	IC 200-68619/12	6246_012.D	02/20/2014	21:07
	IC 200-68619/13	6246_013.D	02/20/2014	21:54
	ICV 200-68619/16	6246_016.D	02/21/2014	00:15

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab File ID: 6267_001.D BFB Injection Date: 02/21/2014

Instrument ID: CHG.i BFB Injection Time: 11:00

Analysis Batch No.: 68679

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.2	
75	30.0 - 66.0% of mass 95	39.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.4	(0.4)1
174	50.0 - 120.0% of mass 95	99.3	
175	4.0 - 9.0 % of mass 174	6.9	(7.0)1
176	93.0 - 101.0% of mass 174	97.3	(98.0)1
177	5.0 - 9.0% of mass 176	6.2	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-68679/2	6267_002.D	02/21/2014	11:48
	LCS 200-68679/3	6267_003.D	02/21/2014	12:36
	MB 200-68679/4	6267_004.D	02/21/2014	13:23
IA-VMP-3A	200-20955-7	6267_019.D	02/22/2014	01:30
IA-VMP-5B	200-20955-13	6267_023.D	02/22/2014	04:38
IA-VMP-6A	200-20955-15	6267_025.D	02/22/2014	06:11
IA-VMP-6B	200-20955-17	6267_027.D	02/22/2014	07:45

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab File ID: 6318_001.D BFB Injection Date: 02/25/2014

Instrument ID: CHG.i BFB Injection Time: 11:56

Analysis Batch No.: 68811

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.0	
75	30.0 - 66.0% of mass 95	39.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.4	(0.5)1
174	50.0 - 120.0% of mass 95	96.1	
175	4.0 - 9.0 % of mass 174	6.9	(7.2)1
176	93.0 - 101.0% of mass 174	94.4	(98.2)1
177	5.0 - 9.0% of mass 176	6.2	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-68811/2	6318_002.D	02/25/2014	12:49
	LCS 200-68811/3	6318_003.D	02/25/2014	13:51
	MB 200-68811/5	6318_005.D	02/25/2014	17:01
IA-VMP-7	200-20955-27	6318_010.D	02/25/2014	20:57

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab File ID: 6099_001.d BFB Injection Date: 02/11/2014

Instrument ID: CHW.i BFB Injection Time: 16:00

Analysis Batch No.: 68234

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.8	
75	30.0 - 66.0% of mass 95	46.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.6	(0.6)1
174	50.0 - 120.0% of mass 95	104.2	
175	4.0 - 9.0 % of mass 174	7.5	(7.2)1
176	93.0 - 101.0% of mass 174	101.9	(97.8)1
177	5.0 - 9.0% of mass 176	6.6	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-68234/4	6101_004.d	02/11/2014	19:12
	IC 200-68234/5	6101_005.d	02/11/2014	20:02
	IC 200-68234/6	6101_006.d	02/11/2014	20:50
	IC 200-68234/7	6101_007.d	02/11/2014	21:39
	ICIS 200-68234/8	6101_008.d	02/11/2014	22:30
	IC 200-68234/9	6101_009.d	02/11/2014	23:18
	IC 200-68234/10	6101_010.d	02/12/2014	00:07
	IC 200-68234/11	6101_011.d	02/12/2014	00:55
	ICV 200-68234/14	6101_014.d	02/12/2014	03:20

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab File ID: 6171_001.d BFB Injection Date: 02/17/2014

Instrument ID: CHW.i BFB Injection Time: 09:39

Analysis Batch No.: 68420

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.3	
75	30.0 - 66.0% of mass 95	47.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.6	(0.6)1
174	50.0 - 120.0% of mass 95	97.8	
175	4.0 - 9.0 % of mass 174	6.9	(7.0)1
176	93.0 - 101.0% of mass 174	94.8	(96.9)1
177	5.0 - 9.0% of mass 176	6.4	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-68420/2	6171_002.d	02/17/2014	10:36
	LCS 200-68420/3	6171_003.d	02/17/2014	11:32
	MB 200-68420/4	6171_004.d	02/17/2014	12:41
IA-VMP-1B	200-20955-1	6171_015.d	02/17/2014	23:03
IA-VMP-2B	200-20955-3	6171_016.d	02/17/2014	23:52
IA-VMP-2C	200-20955-5	6171_017.d	02/18/2014	00:44
IA-VMP-3B	200-20955-9	6171_019.d	02/18/2014	02:23
IA-VMP-3D	200-20955-11	6171_020.d	02/18/2014	03:13
IA-VMP-3E	200-20955-19	6171_024.d	02/18/2014	06:37
IA-VMP-4	200-20955-21	6171_025.d	02/18/2014	07:28

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab File ID: 6282_001.d BFB Injection Date: 02/24/2014

Instrument ID: CHW.i BFB Injection Time: 10:20

Analysis Batch No.: 68730

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.6	
75	30.0 - 66.0% of mass 95	45.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	100.9	
175	4.0 - 9.0 % of mass 174	7.3	(7.3)1
176	93.0 - 101.0% of mass 174	98.6	(97.7)1
177	5.0 - 9.0% of mass 176	6.4	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-68730/2	6282_002.d	02/24/2014	11:15
	LCS 200-68730/3	6282_003.d	02/24/2014	12:29
	MB 200-68730/4	6282_004.d	02/24/2014	13:46
IA-VMP-8D	200-20955-29	6282_008.d	02/24/2014	17:31
IA-DUP-021214	200-20955-31	6282_009.d	02/24/2014	18:25
AMB-021314	200-20969-2	6282_021.d	02/25/2014	04:13
IA-VMP-7A	200-20955-26	6282_025.d	02/25/2014	07:37

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Sample No.: ICIS 200-66774/7 Date Analyzed: 01/03/2014 13:12

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): cma007.D Heated Purge: (Y/N) N

Calibration ID: 25229

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		524149	10.94	2939250	13.01	2821366	19.15
UPPER LIMIT		733809	11.27	4114950	13.34	3949912	19.48
LOWER LIMIT		314489	10.61	1763550	12.68	1692820	18.82
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-66774/13		545172	10.94	3224050	13.01	3112926	19.15

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Sample No.: CCVIS 200-68870/3 Date Analyzed: 02/26/2014 12:54

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6343_03.D Heated Purge: (Y/N) N

Calibration ID: 25229

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		398950	10.92	2187236	12.99	2080040	19.13
UPPER LIMIT		558530	11.25	3062130	13.32	2912056	19.46
LOWER LIMIT		239370	10.59	1312342	12.66	1248024	18.80
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-68870/4		401448	10.92	2212895	12.99	2125844	19.13
MB 200-68870/5		381709	10.91	2141658	12.99	1969452	19.13
200-20955-23	IA-VMP-5A	365998	10.92	2015877	12.99	1814381	19.13

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Sample No.: ICIS 200-68619/10 Date Analyzed: 02/20/2014 19:33

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6246_010.D Heated Purge: (Y/N) N

Calibration ID: 25722

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		715346	10.56	4040627	12.63	4191149	18.79
UPPER LIMIT		1001484	10.89	5656878	12.96	5867609	19.12
LOWER LIMIT		429208	10.23	2424376	12.30	2514689	18.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-68619/16		732981	10.56	4217854	12.62	4337814	18.79

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Sample No.: CCVIS 200-68679/2 Date Analyzed: 02/21/2014 11:48

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6267_002.D Heated Purge: (Y/N) N

Calibration ID: 25611

LCS 200-68679/3		02/21/2014 12:36	6267_003.D	10.56	12.62	18.79
MB 200-68679/4		02/21/2014 13:23	6267_004.D	10.56	12.62	18.79
200-20955-7	IA-VMP-3A	02/22/2014 01:30	6267_019.D	10.56	12.62	18.79
200-20955-13	IA-VMP-5B	02/22/2014 04:38	6267_023.D	10.56	12.62	18.78
200-20955-15	IA-VMP-6A	02/22/2014 06:11	6267_025.D	10.56	12.62	18.79
200-20955-17	IA-VMP-6B	02/22/2014 07:45	6267_027.D	10.56	12.62	18.79

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Sample No.: CCVIS 200-68811/2 Date Analyzed: 02/25/2014 12:49

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6318_002.D Heated Purge: (Y/N) N

Calibration ID: 25722

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		704232	10.56	4070343	12.62	4190829	18.79
UPPER LIMIT		985925	10.89	5698480	12.95	5867161	19.12
LOWER LIMIT		422539	10.23	2442206	12.29	2514497	18.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-68811/3		688967	10.56	3939447	12.62	4046568	18.79
MB 200-68811/5		805163	10.56	4714661	12.62	4366233	18.79
200-20955-27	IA-VMP-7	673078	10.56	3753593	12.62	3462353	18.79

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Sample No.: ICIS 200-68234/8 Date Analyzed: 02/11/2014 22:30

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6101_008.d Heated Purge: (Y/N) N

Calibration ID: 25497

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		501508	12.85	2304289	14.75	2110792	20.44
UPPER LIMIT		702111	13.18	3226005	15.08	2955109	20.77
LOWER LIMIT		300905	12.52	1382573	14.42	1266475	20.11
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-68234/14		576959	12.86	2743463	14.75	2494405	20.44

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Sample No.: CCVIS 200-68420/2 Date Analyzed: 02/17/2014 10:36

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6171_002.d Heated Purge: (Y/N) N

Calibration ID: 25497

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		356833	12.85	1710087	14.75	1561721	20.44
UPPER LIMIT		499566	13.18	2394122	15.08	2186409	20.77
LOWER LIMIT		214100	12.52	1026052	14.42	937033	20.11
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-68420/3		375523	12.85	1810989	14.75	1651635	20.44
MB 200-68420/4		391869	12.86	1876819	14.75	1583123	20.44
200-20955-1	IA-VMP-1B	360991	12.85	1690237	14.74	1521369	20.44
200-20955-3	IA-VMP-2B	374943	12.87	1779240	14.75	1593871	20.45
200-20955-5	IA-VMP-2C	357600	12.87	1672703	14.76	1474613	20.45
200-20955-9	IA-VMP-3B	386084	12.87	1881646	14.75	1663066	20.44
200-20955-11	IA-VMP-3D	369118	12.87	1714680	14.76	1565957	20.45
200-20955-19	IA-VMP-3E	341368	12.87	1633931	14.75	1478873	20.45
200-20955-21	IA-VMP-4	376478	12.86	1814952	14.75	1672363	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Sample No.: CCVIS 200-68730/2 Date Analyzed: 02/24/2014 11:15

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6282_002.d Heated Purge: (Y/N) N

Calibration ID: 25497

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		410568	12.86	1953552	14.74	1777392	20.44
UPPER LIMIT		574795	13.19	2734973	15.07	2488349	20.77
LOWER LIMIT		246341	12.53	1172131	14.41	1066435	20.11
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-68730/3		442925	12.86	2117890	14.75	1915306	20.44
MB 200-68730/4		450039	12.85	2201278	14.74	1928409	20.44
200-20955-29	IA-VMP-8D	429480	12.86	2071911	14.75	1815913	20.44
200-20955-31	IA-DUP-021214	351491	12.85	1648487	14.74	1509300	20.44
200-20969-2	AMB-021314	314932	12.87	1473988	14.75	1298327	20.45
200-20955-26	IA-VMP-7A	360587	12.85	1663993	14.75	1415539	20.44

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-1B Lab Sample ID: 200-20955-1

Matrix: Air Lab File ID: 6171_015.d

Analysis Method: TO-15 Date Collected: 02/12/2014 19:05

Sample wt/vol: 344(mL) Date Analyzed: 02/17/2014 23:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.51		0.50	0.030
75-45-6	Freon 22	86.47	0.31	J	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.55		0.50	0.14
106-97-8	n-Butane	58.12	1.4		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.26		0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.60		0.20	0.030
76-13-1	Freon 113	187.38	0.081	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	4.4	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	82	E	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	1.5		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.53		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.54		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	16		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.060		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.29		0.20	0.027
71-43-2	Benzene	78.11	0.31		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.38		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-1B Lab Sample ID: 200-20955-1

Matrix: Air Lab File ID: 6171_015.d

Analysis Method: TO-15 Date Collected: 02/12/2014 19:05

Sample wt/vol: 344(mL) Date Analyzed: 02/17/2014 23:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.75		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.032	J	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.080	J	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.12	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.17	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.058	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.23		0.20	0.034
100-42-5	Styrene	104.15	0.23		0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.052	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.055	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.29		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.13	J	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-1B Lab Sample ID: 200-20955-1

Matrix: Air Lab File ID: 6171_015.d

Analysis Method: TO-15 Date Collected: 02/12/2014 19:05

Sample wt/vol: 344(mL) Date Analyzed: 02/17/2014 23:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-1B Lab Sample ID: 200-20955-1

Matrix: Air Lab File ID: 6171_015.d

Analysis Method: TO-15 Date Collected: 02/12/2014 19:05

Sample wt/vol: 344(mL) Date Analyzed: 02/17/2014 23:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5		2.5	0.15
75-45-6	Freon 22	86.47	1.1	J	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.1		1.0	0.28
106-97-8	n-Butane	58.12	3.4		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.58		0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	3.4		1.1	0.17
76-13-1	Freon 113	187.38	0.62	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	11	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	200	E	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	5.3		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	1.9		0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.6		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	55		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.38		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	1.4		0.93	0.13
71-43-2	Benzene	78.11	1.0		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	1.6		0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-1B Lab Sample ID: 200-20955-1

Matrix: Air Lab File ID: 6171_015.d

Analysis Method: TO-15 Date Collected: 02/12/2014 19:05

Sample wt/vol: 344(mL) Date Analyzed: 02/17/2014 23:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	2.8		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	0.22	J	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.37	J	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.51	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.72	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.25	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.99		0.87	0.15
100-42-5	Styrene	104.15	0.98		0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.25	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.27	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.6		1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	0.69	J	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-1B Lab Sample ID: 200-20955-1

Matrix: Air Lab File ID: 6171_015.d

Analysis Method: TO-15 Date Collected: 02/12/2014 19:05

Sample wt/vol: 344(mL) Date Analyzed: 02/17/2014 23:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d
Lims ID: 200-20955-A-1 Lab Sample ID: 200-20955-1
Client ID: IA-VMP-1B
Sample Type: Client
Inject. Date: 17-Feb-2014 23:03:30 ALS Bottle#: 13 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006171-015
Misc. Info.: 200-20955-A-1 cdf=1.72 344ml
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Feb-2014 11:48:24 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK028

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.469	4.474	-0.005	94	84161	0.5098	
6 Chlorodifluoromethane	51	4.538	4.538	0.0	71	19556	0.3127	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.827					
8 Chloromethane	50	5.020	5.020	0.0	95	15595	0.5487	
9 Butane	43	5.282	5.287	-0.005	96	65185	1.42	
10 Vinyl chloride	62		5.341					
11 Butadiene	54	5.442	5.442	0.0	94	6580	0.2616	
12 Bromomethane	94		6.309					
14 Chloroethane	64		6.593					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101	7.197	7.192	0.005	84	111398	0.6020	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.449	8.438	0.011	78	9437	0.0815	
24 1,1-Dichloroethene	96		8.513					
25 Acetone	43	8.759	8.749	0.011	87	233033	4.45	
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45	9.043	9.027	0.016	97	3599085	81.9	E
29 3-Chloro-1-propene	41		9.407					
31 Methylene Chloride	49	9.744	9.733	0.011	75	56209	1.54	
32 2-Methyl-2-propanol	59		9.904					
33 Methyl tert-butyl ether	73		10.155					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.230					
36 Hexane	57	10.658	10.648	0.010	85	26917	0.5327	
37 1,1-Dichloroethane	63		11.199					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72	12.386	12.392	-0.006	97	12046	0.5427	
44 Tetrahydrofuran	42		12.852					
* 43 Chlorobromomethane	128	12.852	12.852	0.0	69	360991	10.0	
45 Chloroform	83		12.964					
46 Cyclohexane	84	13.264	13.258	0.006	83	978188	15.9	
47 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117	13.521	13.531	-0.011	59	9709	0.0602	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v		Flags
	51	Isooctane	57	13.932	13.927	0.005	95	47931	0.2916		
	50	Benzene	78	13.981	13.986	-0.005	92	46222	0.3138		
	52	1,2-Dichloroethane	62		14.141						
	53	n-Heptane	43	14.275	14.275	0.0	77	19481	0.3796		
*	54	1,4-Difluorobenzene	114	14.740	14.746	-0.006	93	1690237	10.0		
	56	Trichloroethene	95		15.206						
	58	1,2-Dichloropropane	63		15.730						
	59	Methyl methacrylate	69		15.810						
	60	1,4-Dioxane	88		15.901						
	62	Dichlorobromomethane	83		16.222						
	64	cis-1,3-Dichloropropene	75		17.083						
	65	4-Methyl-2-pentanone (MIBK)	43		17.319						
	66	Toluene	92	17.661	17.661	0.0	93	82838	0.7508		
	70	trans-1,3-Dichloropropene	75		18.191						
	71	1,1,2-Trichloroethane	83		18.560						
	72	Tetrachloroethene	166	18.704	18.694	0.010	67	4403	0.0321		
	73	2-Hexanone	43		18.950						
	74	Chlorodibromomethane	129		19.314						
	75	Ethylene Dibromide	107		19.598						
S	82	Xylenes, Total	106				0		0.2242		7
*	76	Chlorobenzene-d5	117	20.443	20.443	0.0	83	1521369	10.0		
	77	Chlorobenzene	112	20.502	20.496	0.006	30	14782	0.0801		
	78	Ethylbenzene	91	20.609	20.614	-0.005	79	30171	0.1170		
	80	m-Xylene & p-Xylene	106	20.828	20.833	-0.005	98	17285	0.1663		
	83	o-Xylene	106	21.545	21.545	0.0	42	5688	0.0580		
	84	Styrene	104	21.583	21.582	0.001	94	33651	0.2311		
	85	Bromoform	173		21.962						
$	87	4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1014437	NC		
	88	1,1,2,2-Tetrachloroethane	83		22.668						
	90	N-Propylbenzene	91		22.743						
	91	4-Ethyltoluene	105	22.872	22.909	-0.037	84	17343	0.0516		
	92	2-Chlorotoluene	91		22.941						
	94	1,3,5-Trimethylbenzene	105	22.909	23.000	-0.091	45	9473	0.0305		
	96	tert-Butylbenzene	119		23.476						
	97	1,2,4-Trimethylbenzene	105	23.567	23.573	-0.006	79	16260	0.0548		
	98	sec-Butylbenzene	105	23.926	23.808	0.118	38	117746	0.2880		
	99	4-Isopropyltoluene	119	23.926	24.011	-0.085	41	45270	0.1259		
	100	1,3-Dichlorobenzene	146		24.081						
	101	1,4-Dichlorobenzene	146		24.225						
	102	Benzyl chloride	91		24.434						
	103	n-Butylbenzene	91		24.653						
	105	1,2-Dichlorobenzene	146		24.830						
	107	1,2,4-Trichlorobenzene	180		27.724						
	108	Hexachlorobutadiene	225		27.927						
	109	Naphthalene	128		28.312						

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

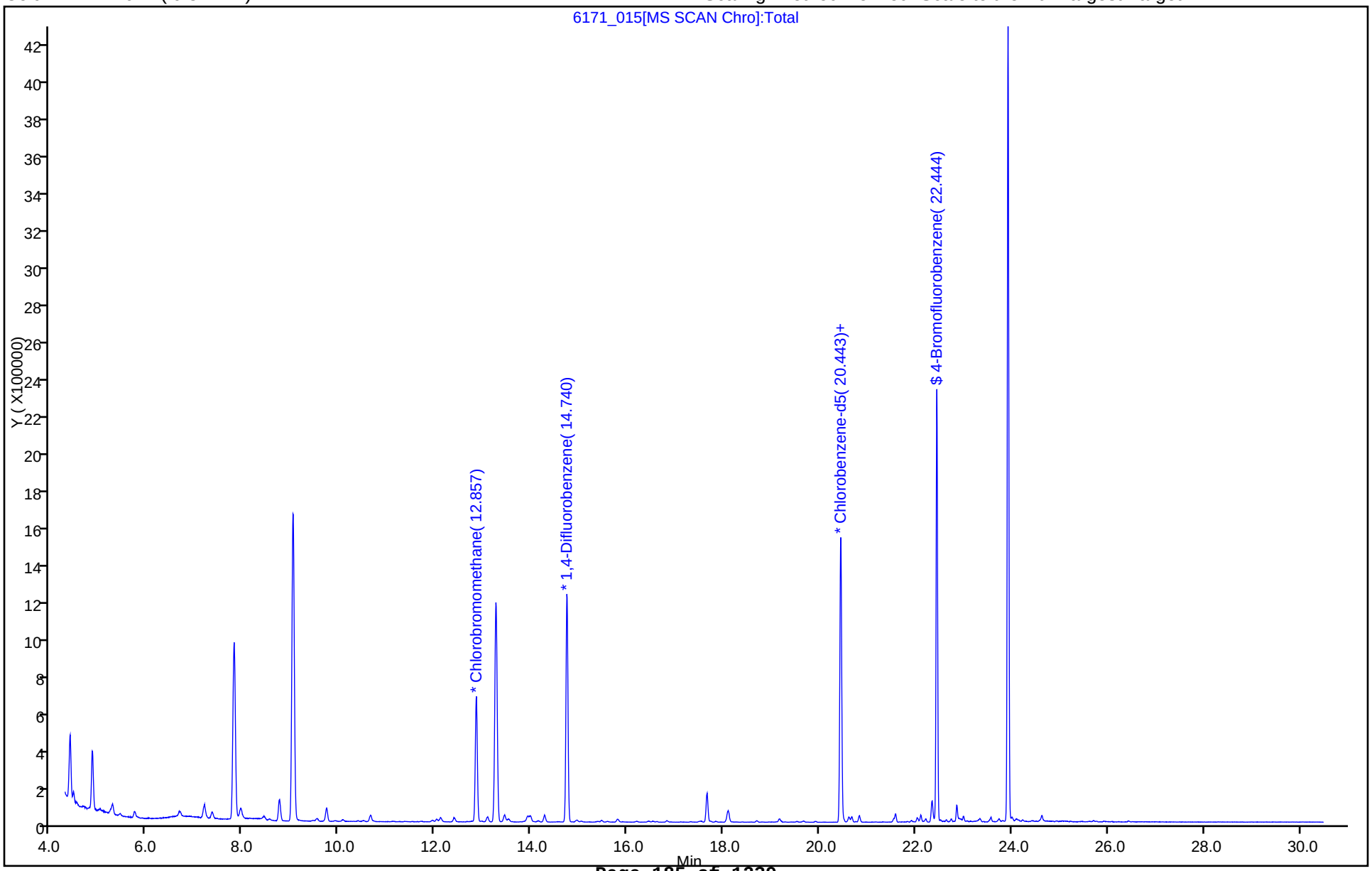
Report Date: 18-Feb-2014 11:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1	Worklist Smp#:	15
Client ID:	IA-VMP-1B				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



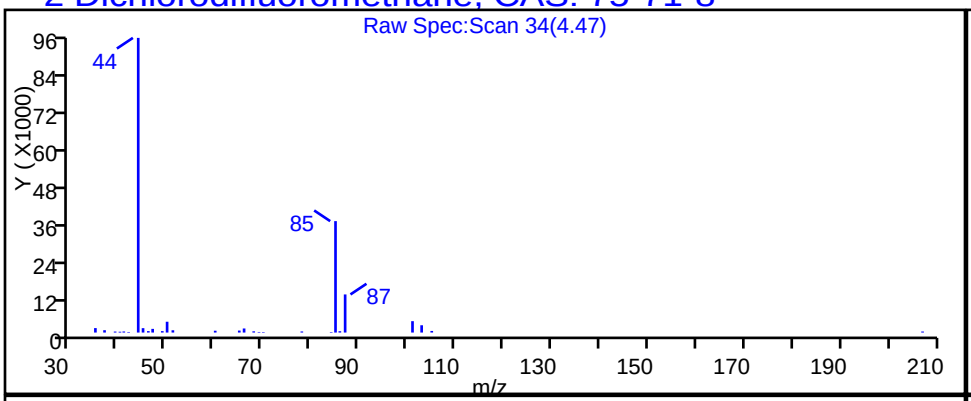
Report Date: 18-Feb-2014 11:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

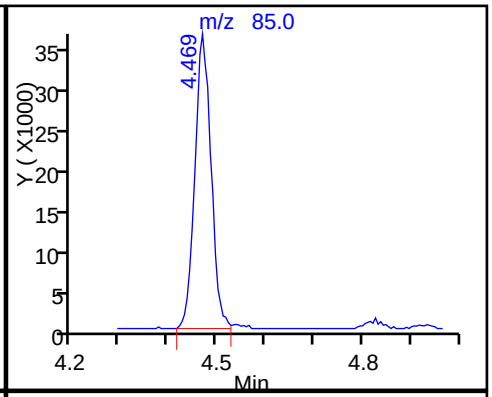
TestAmerica Burlington

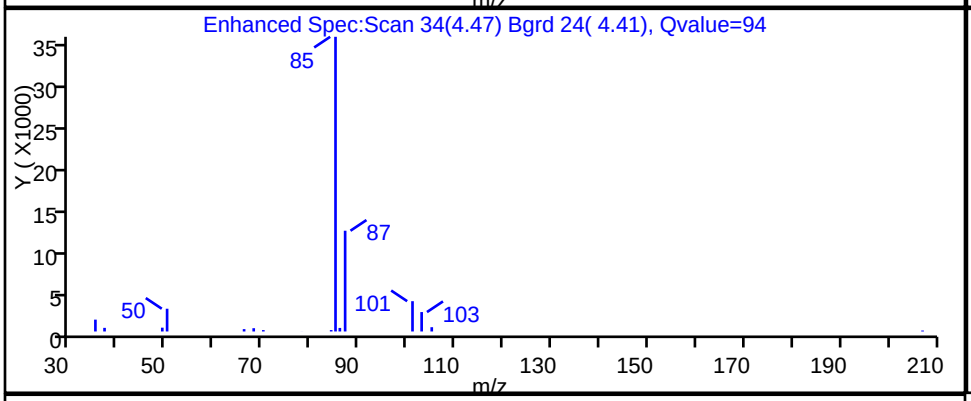
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

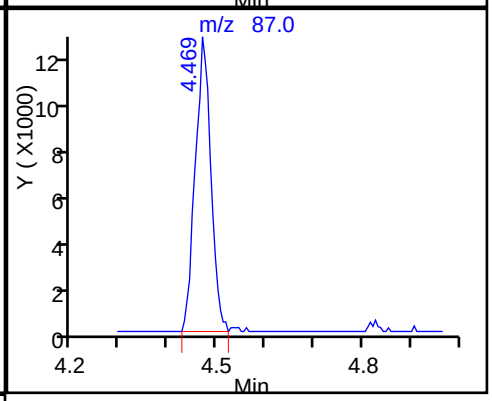
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

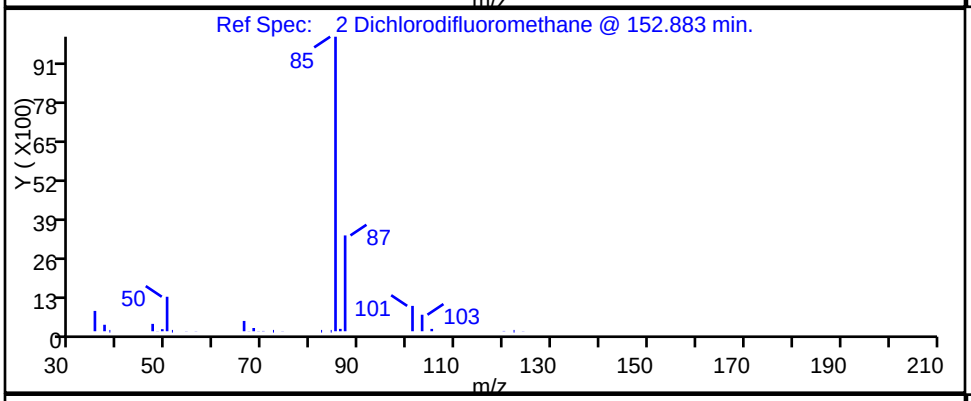
2 Dichlorodifluoromethane, CAS: 75-71-8

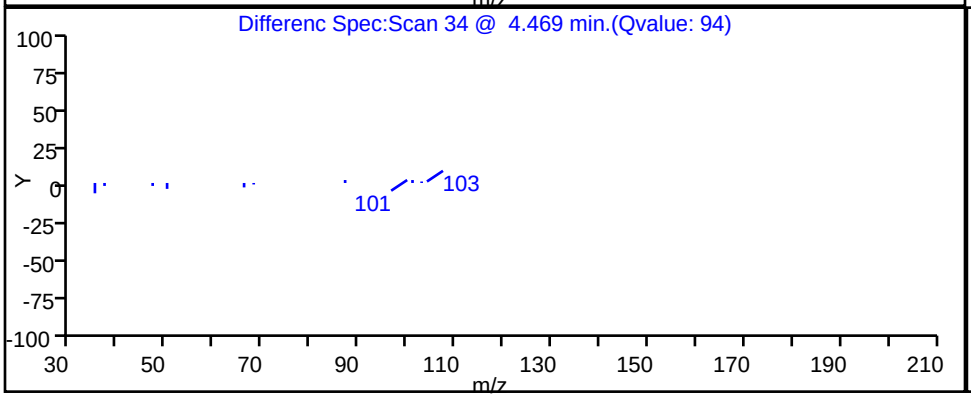


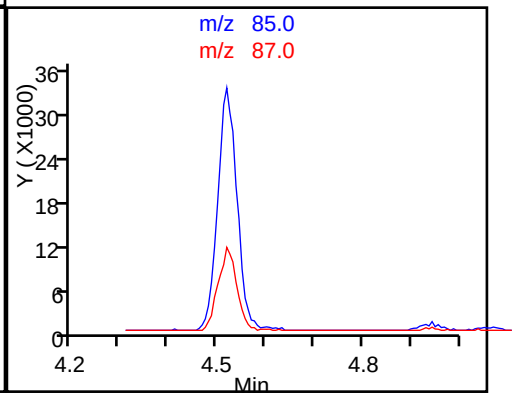












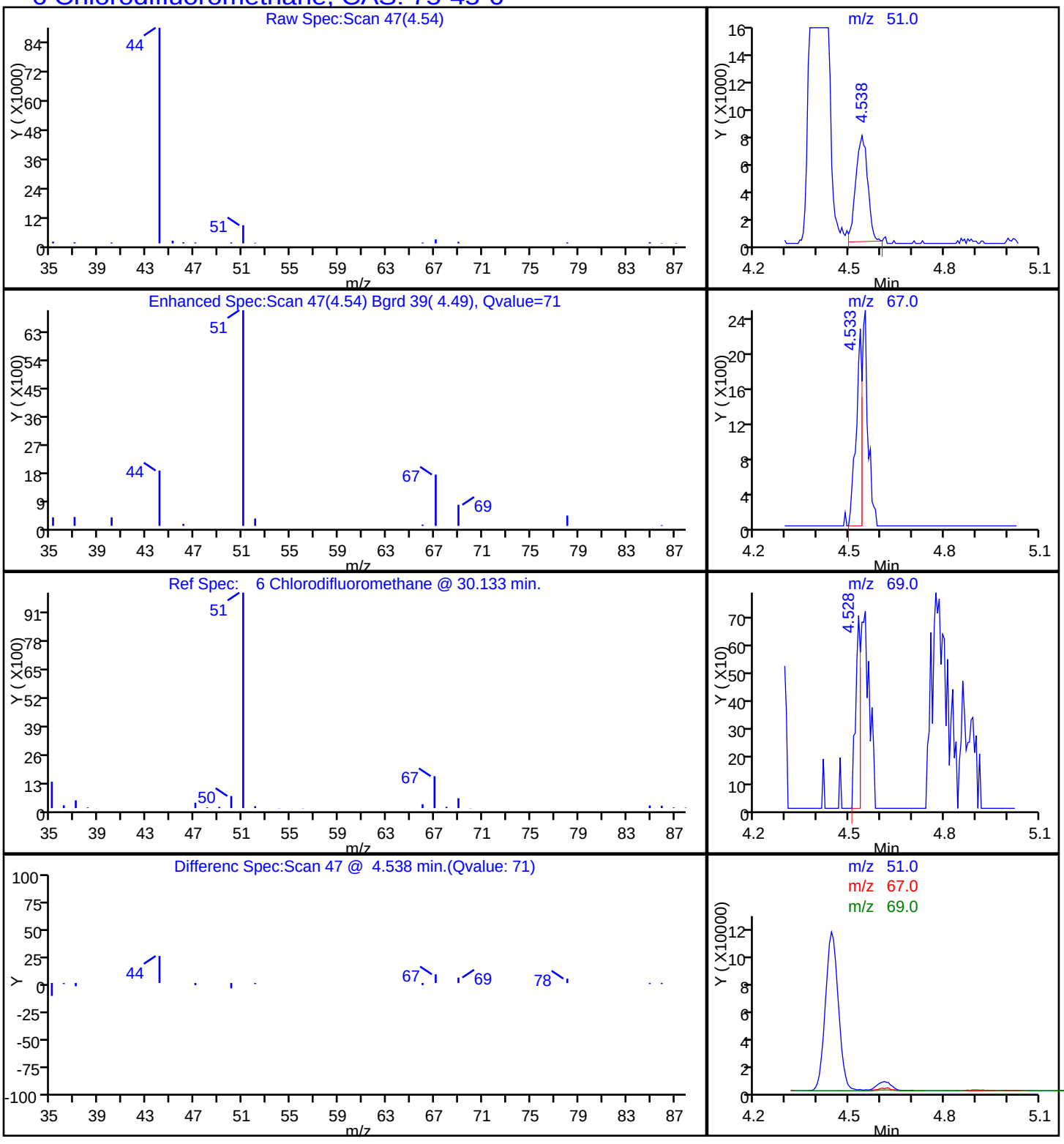
Report Date: 18-Feb-2014 11:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



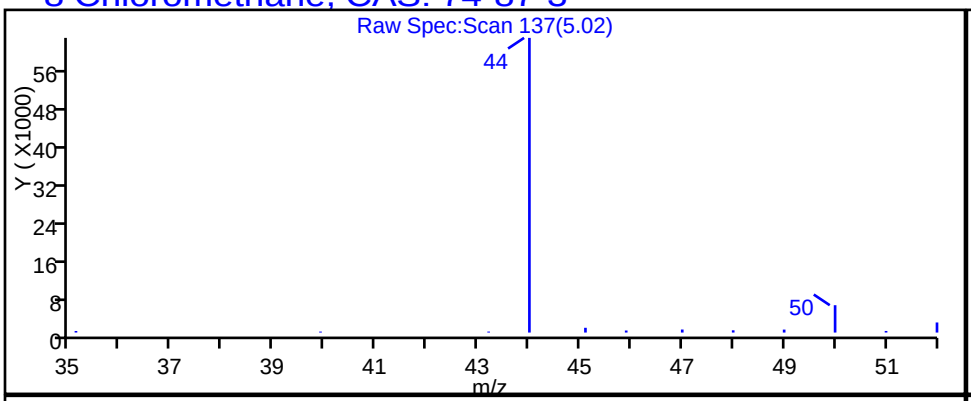
Report Date: 18-Feb-2014 11:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

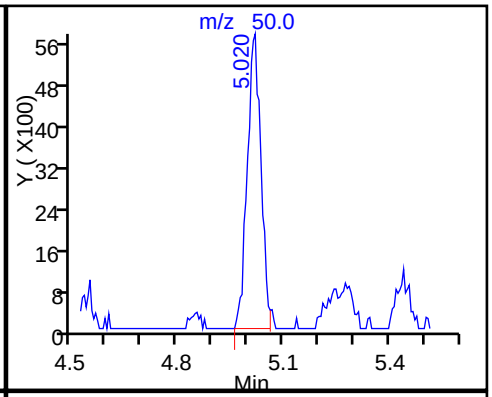
TestAmerica Burlington

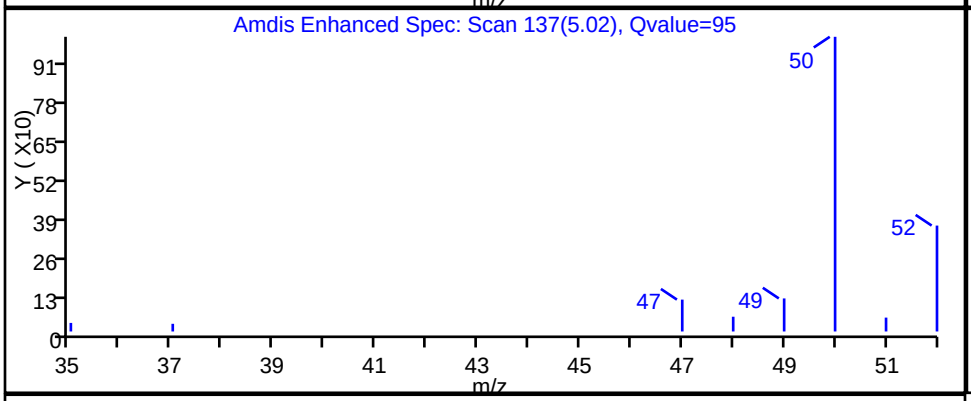
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

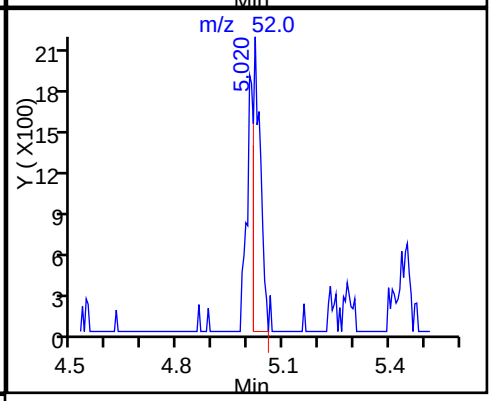
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

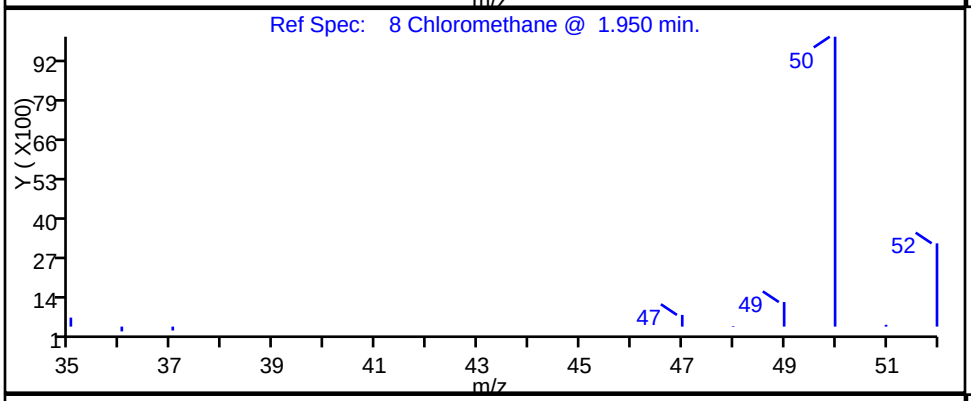
8 Chloromethane, CAS: 74-87-3

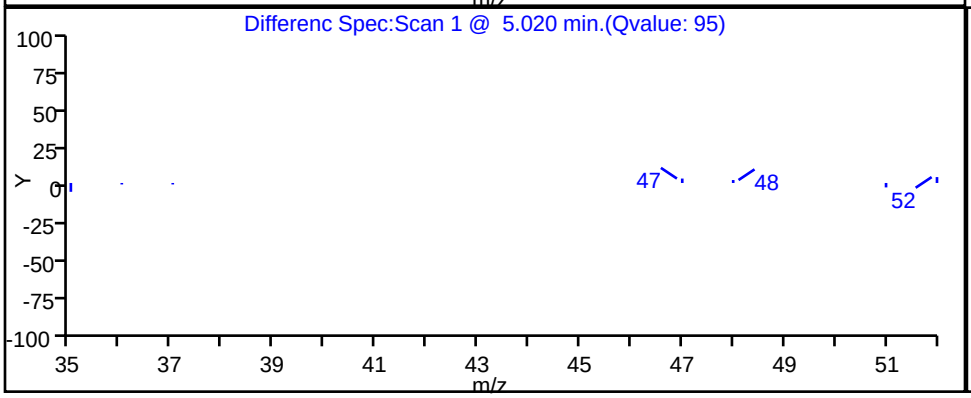


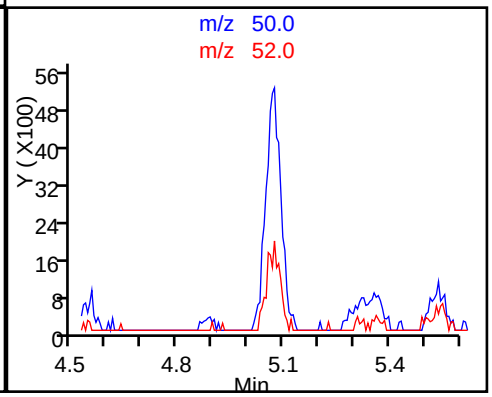












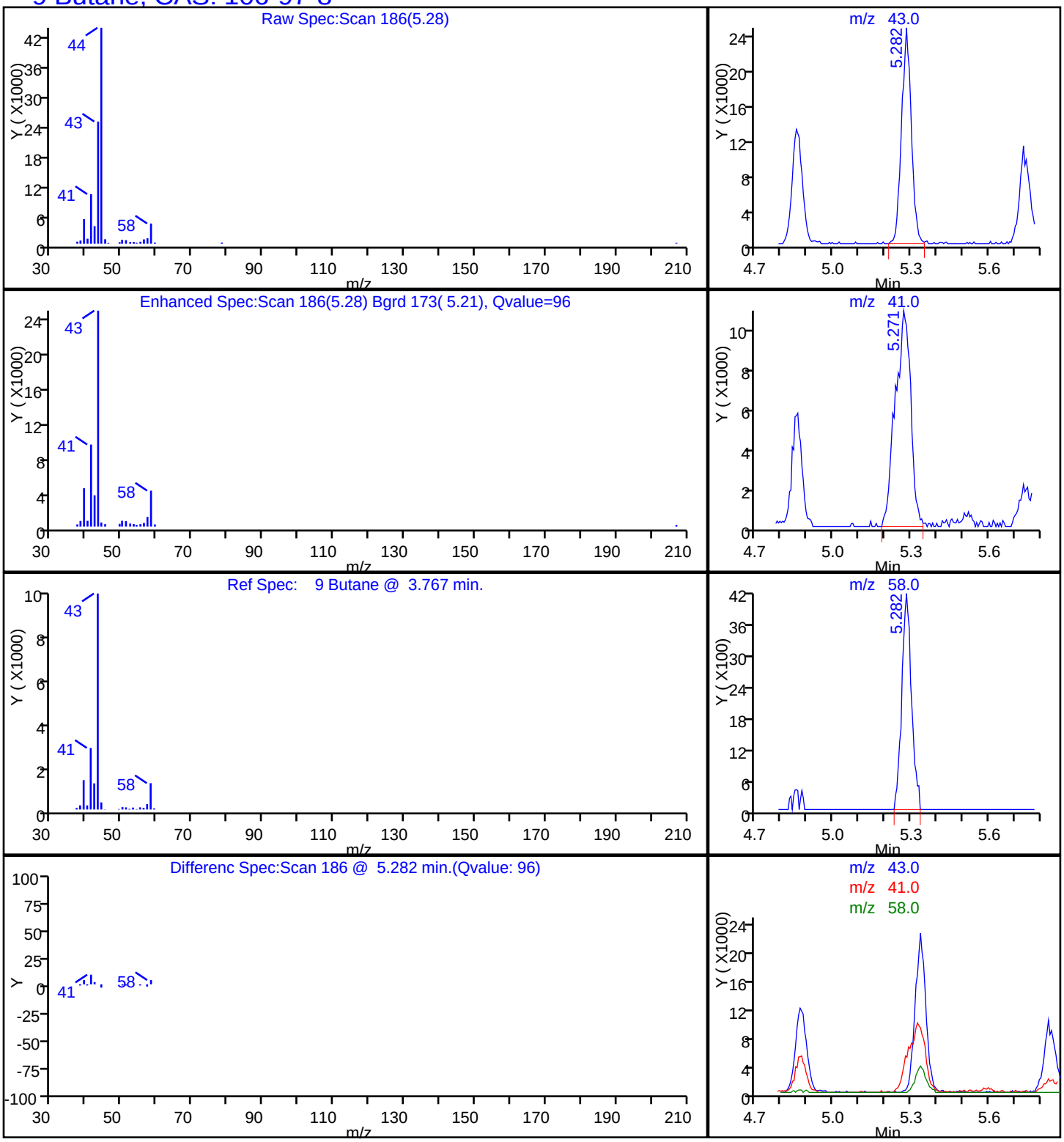
Report Date: 18-Feb-2014 11:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



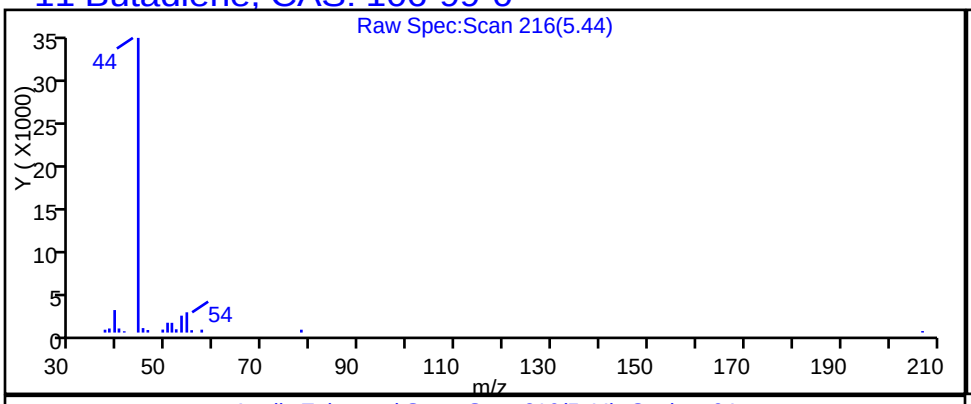
Report Date: 18-Feb-2014 11:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

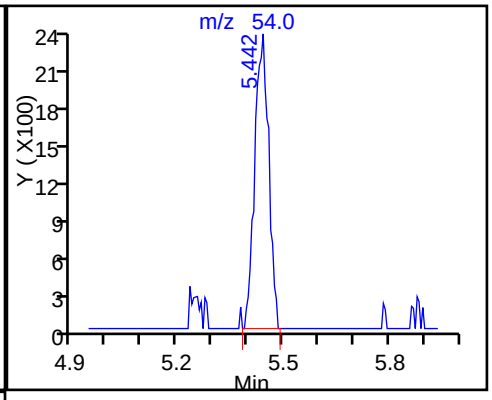
TestAmerica Burlington

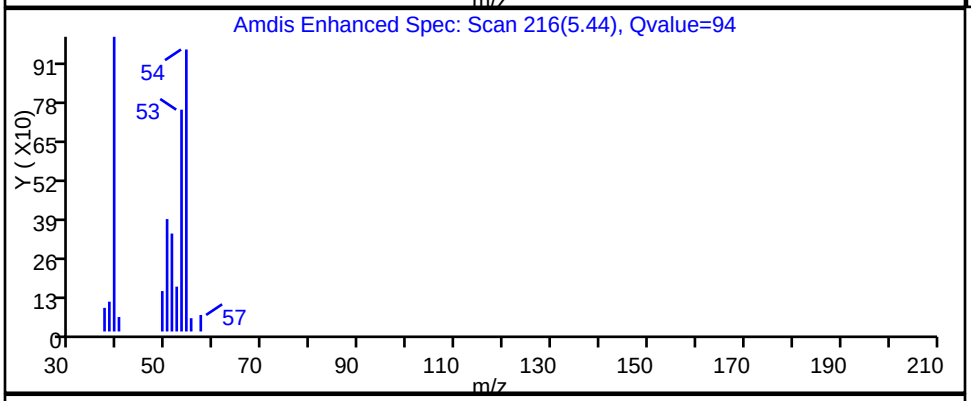
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

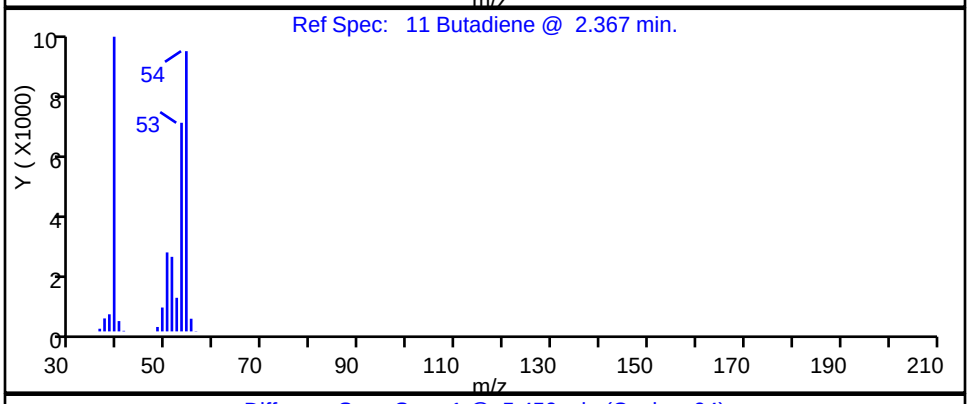
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

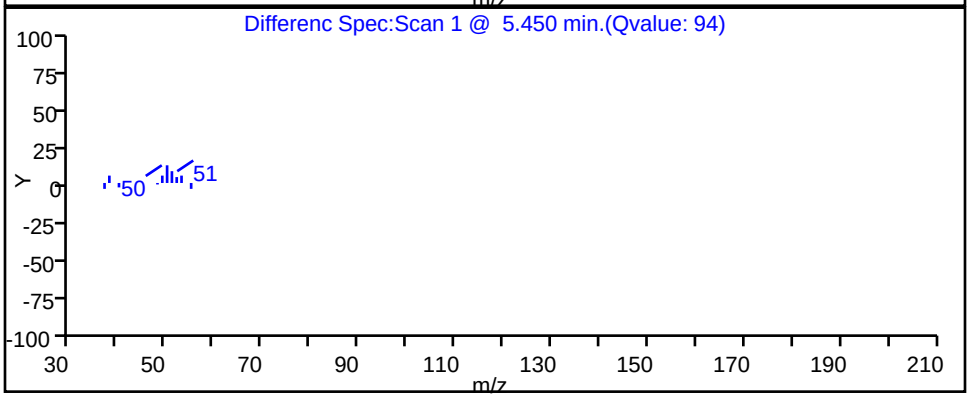
11 Butadiene, CAS: 106-99-0











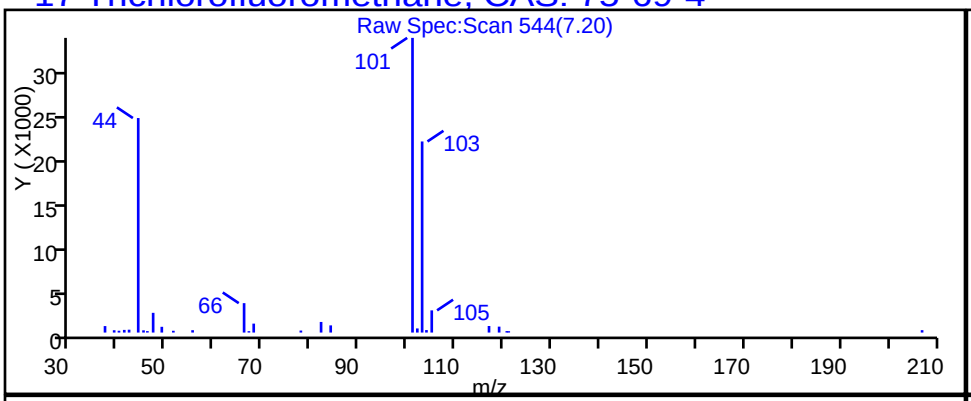
Report Date: 18-Feb-2014 11:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

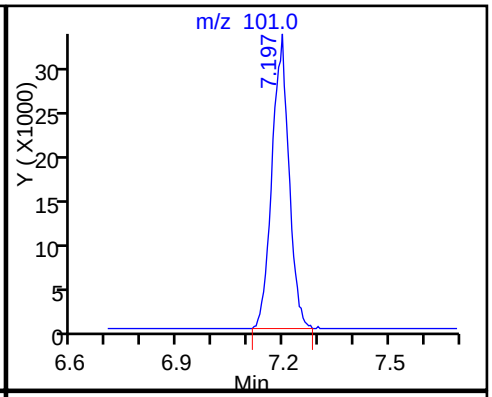
TestAmerica Burlington

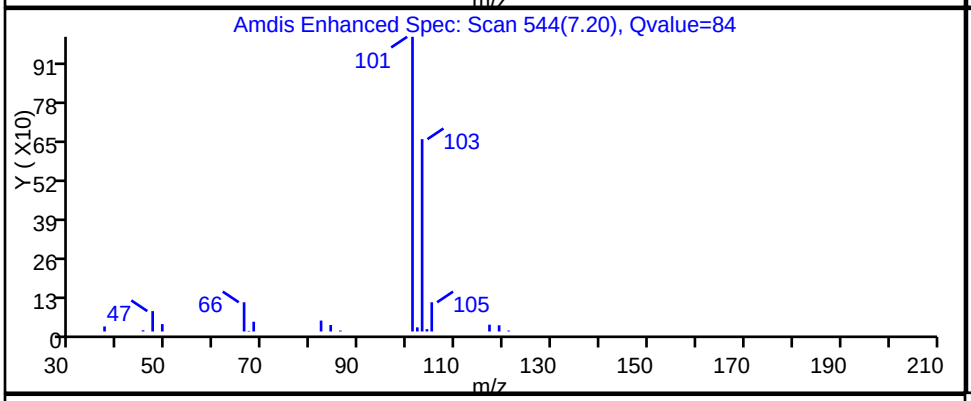
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

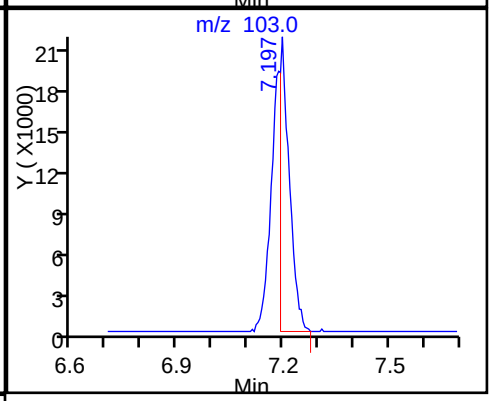
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

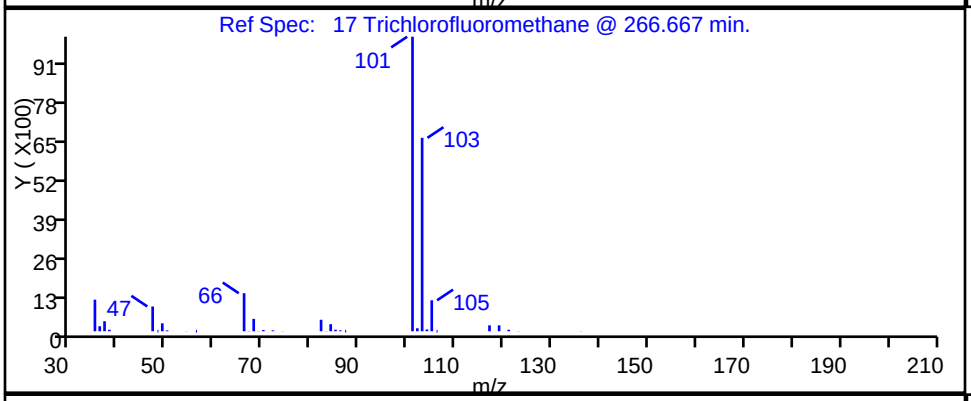
17 Trichlorofluoromethane, CAS: 75-69-4

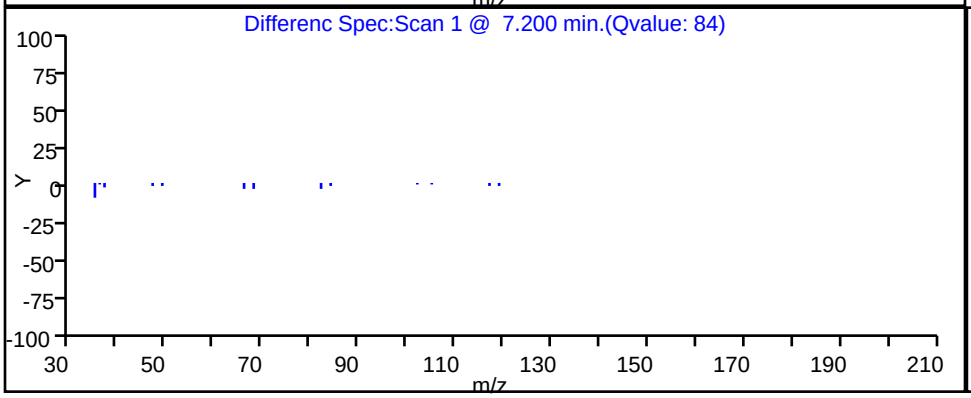


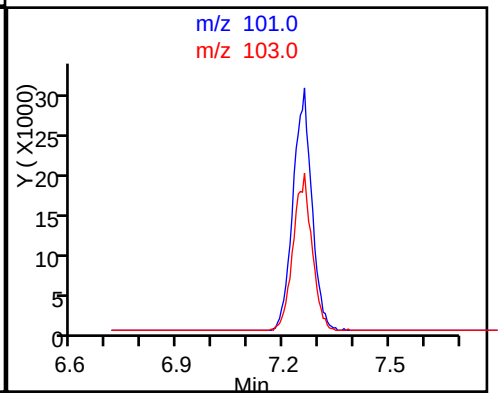












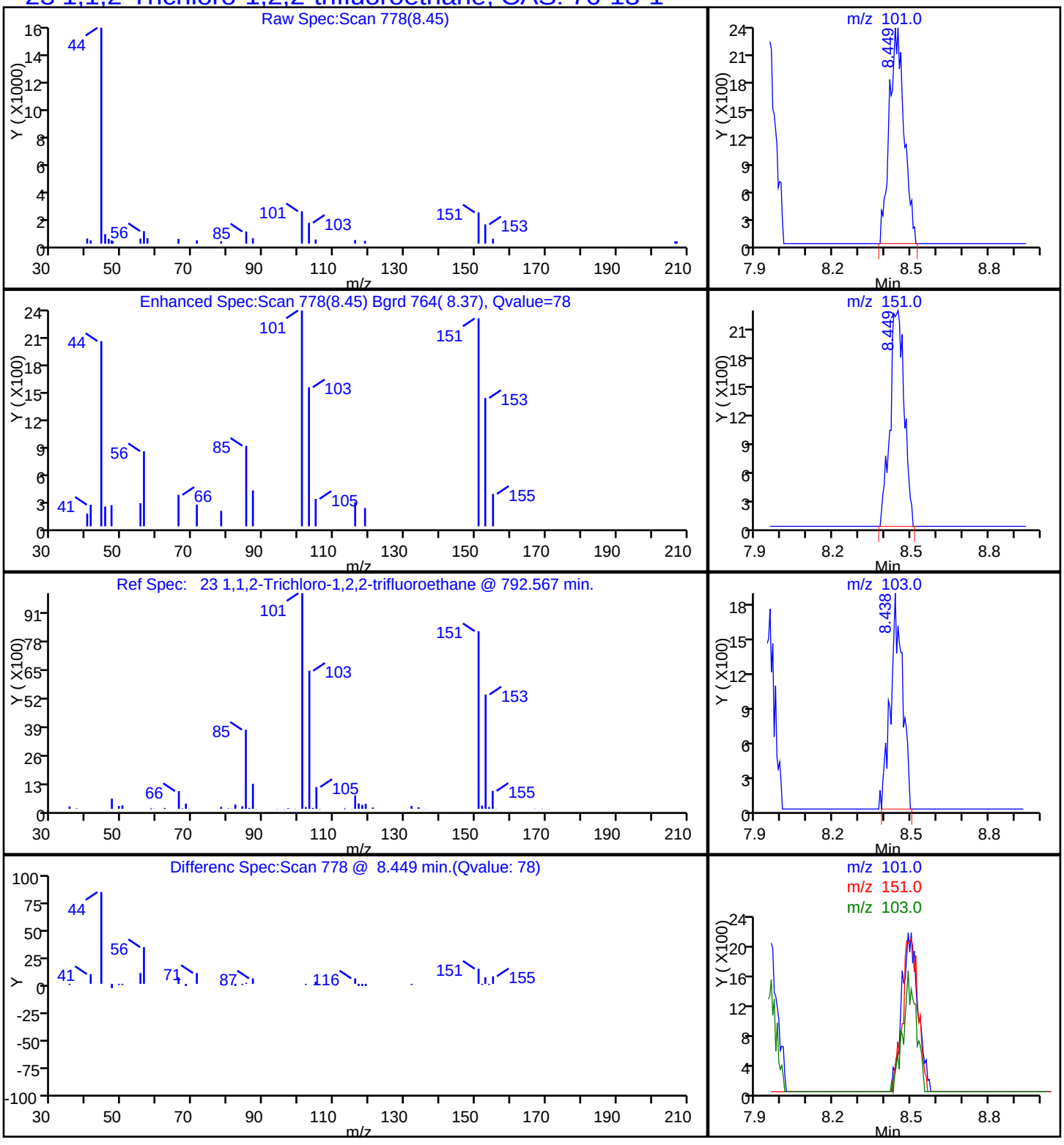
Report Date: 18-Feb-2014 11:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



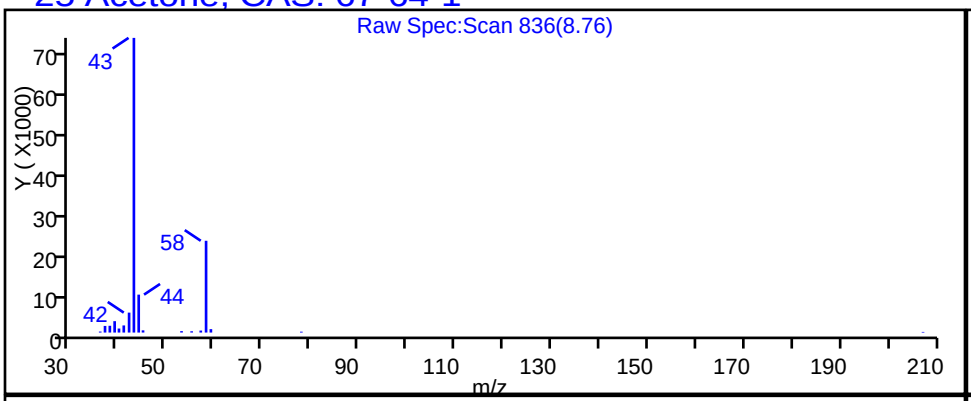
Report Date: 18-Feb-2014 11:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

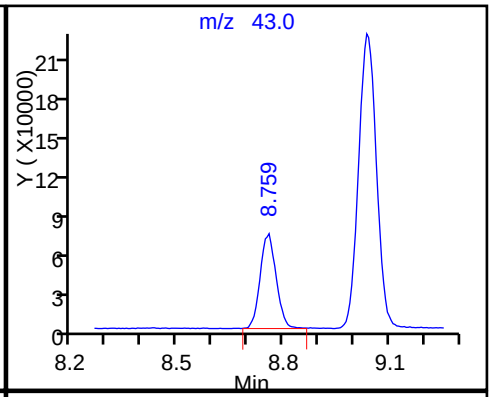
TestAmerica Burlington

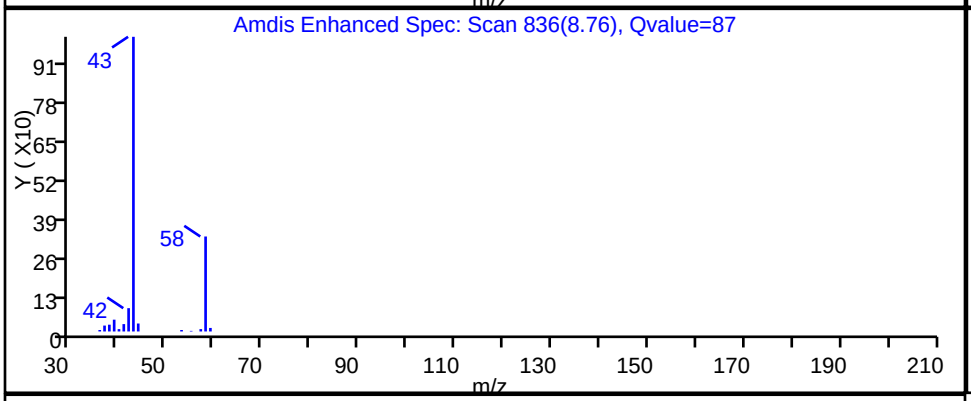
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

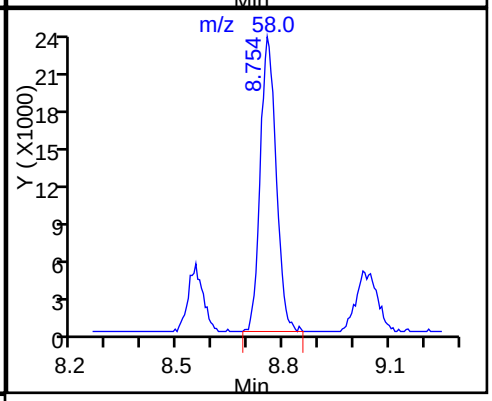
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

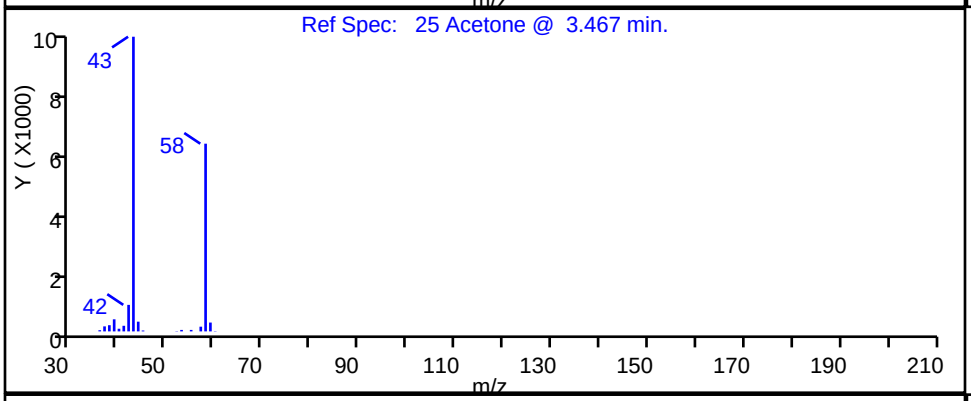
25 Acetone, CAS: 67-64-1

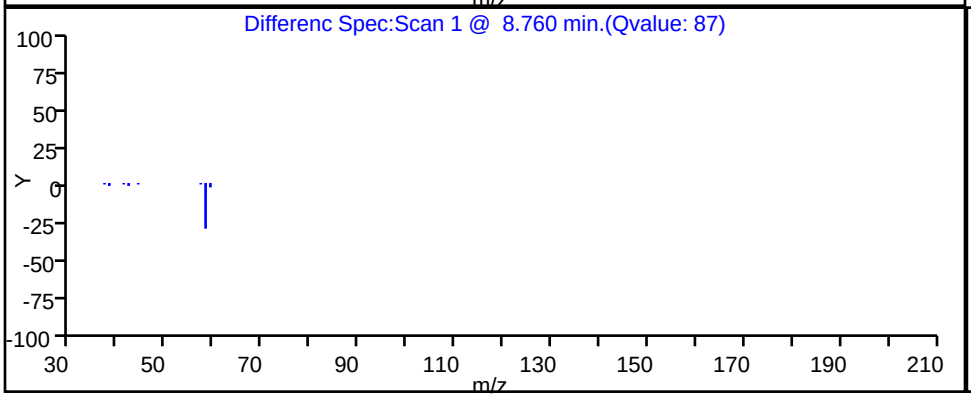


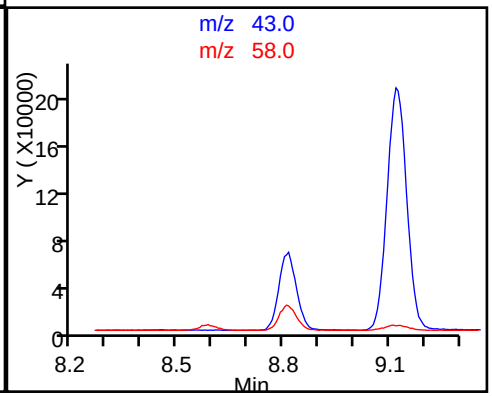












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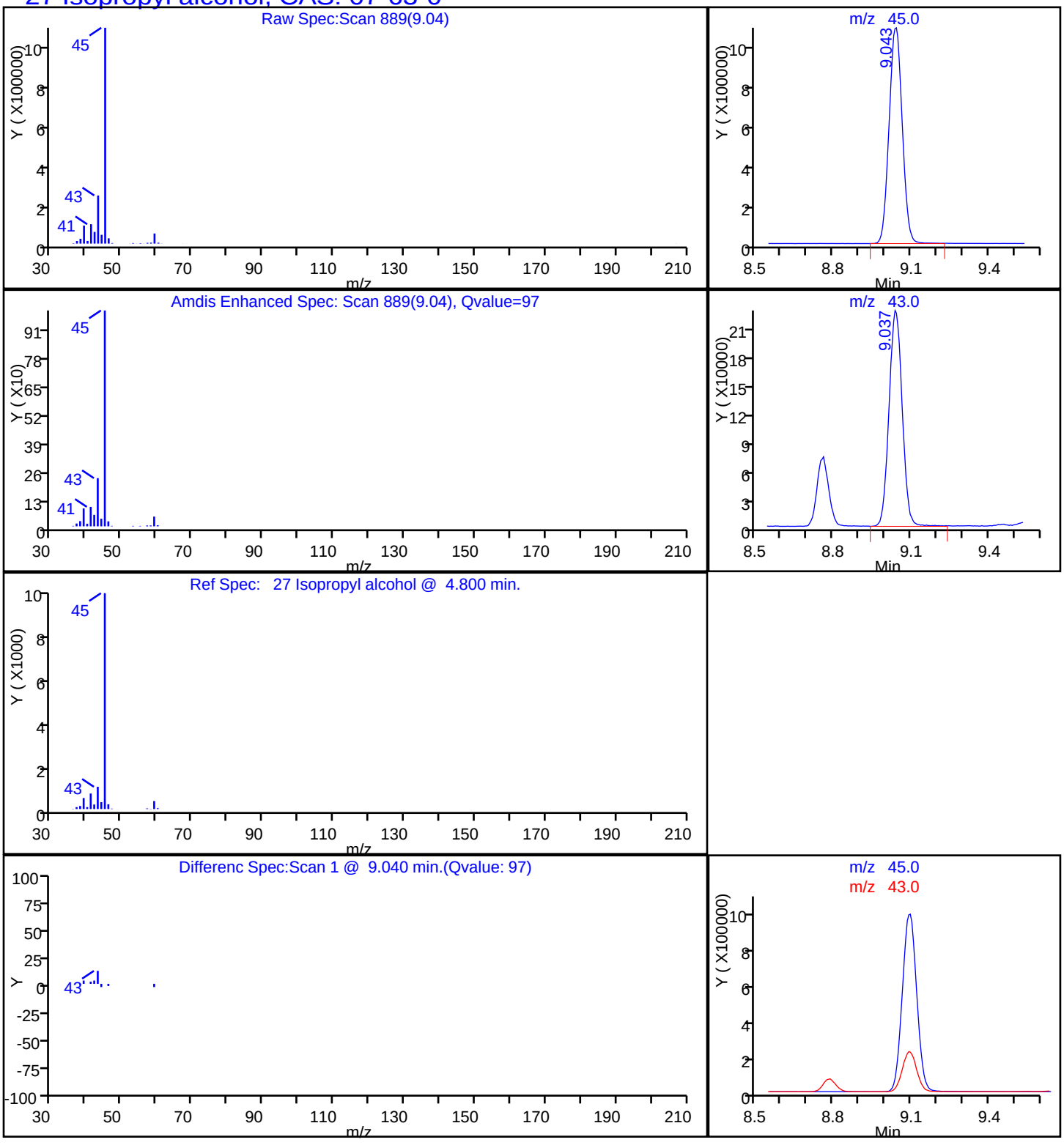
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



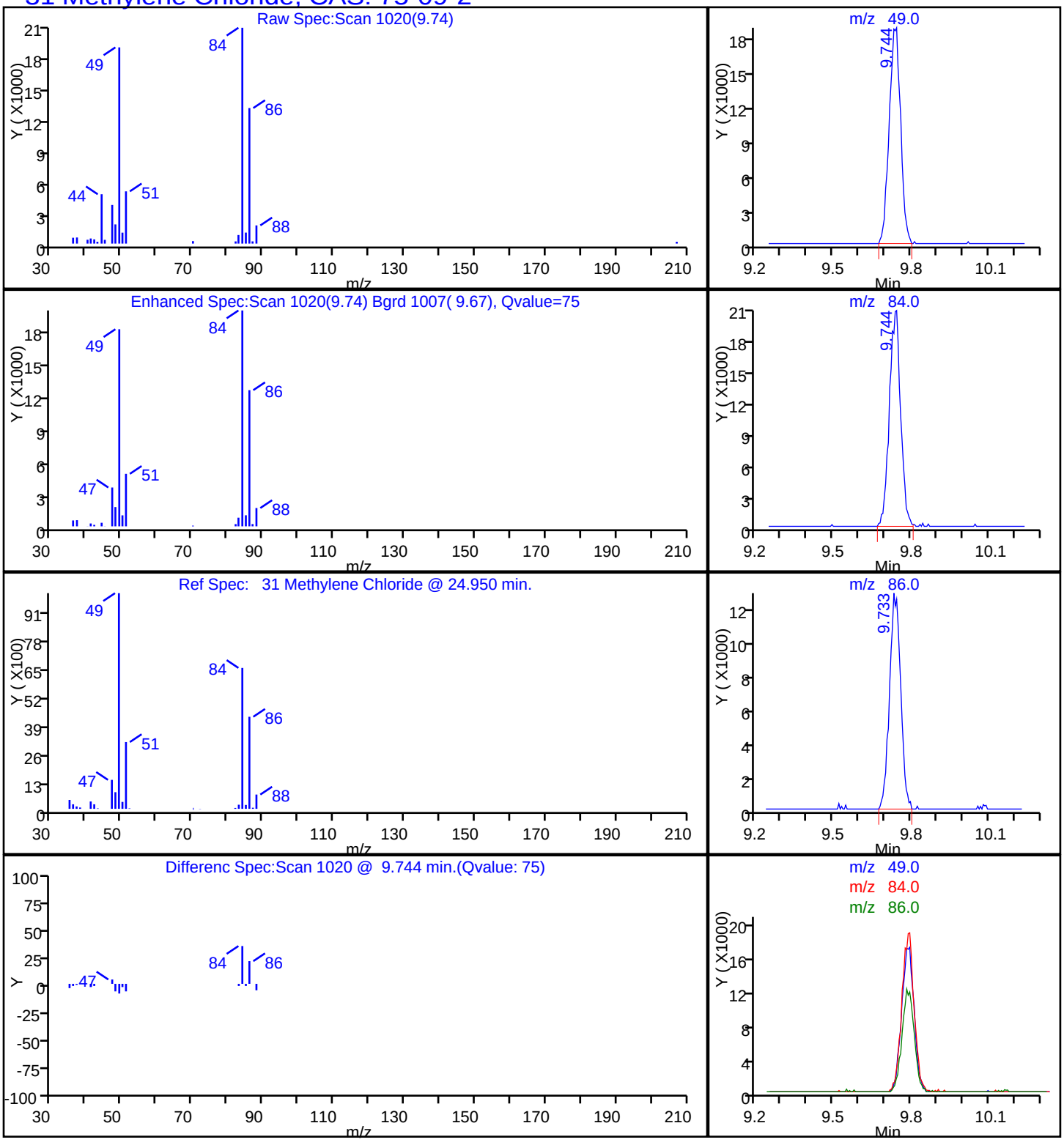
Report Date: 18-Feb-2014 11:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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TestAmerica Burlington

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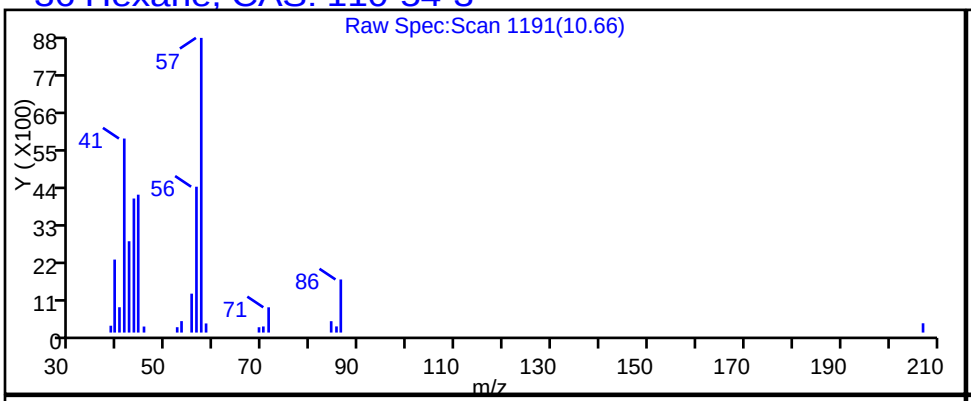
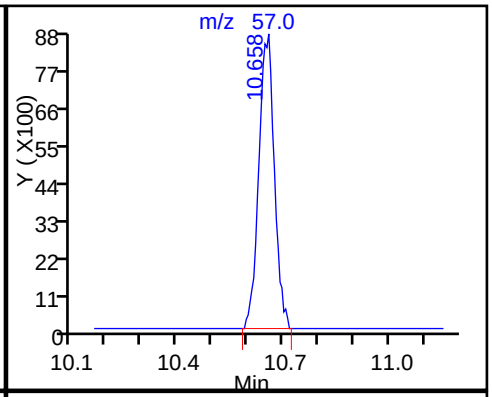
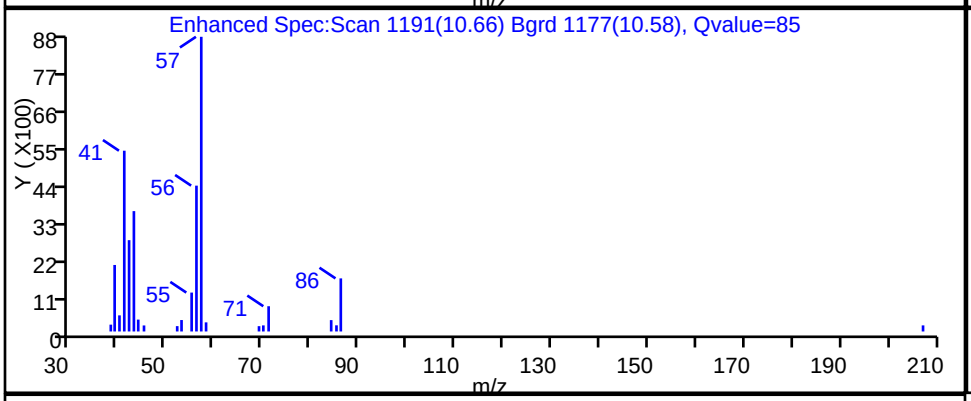
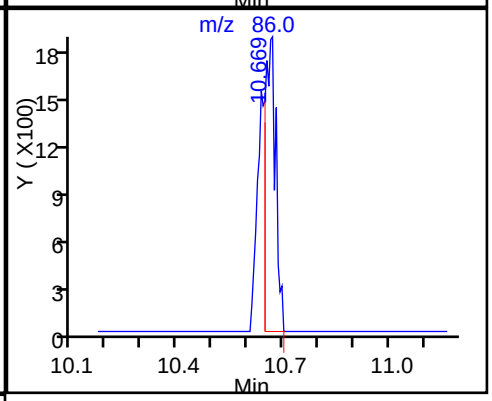
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

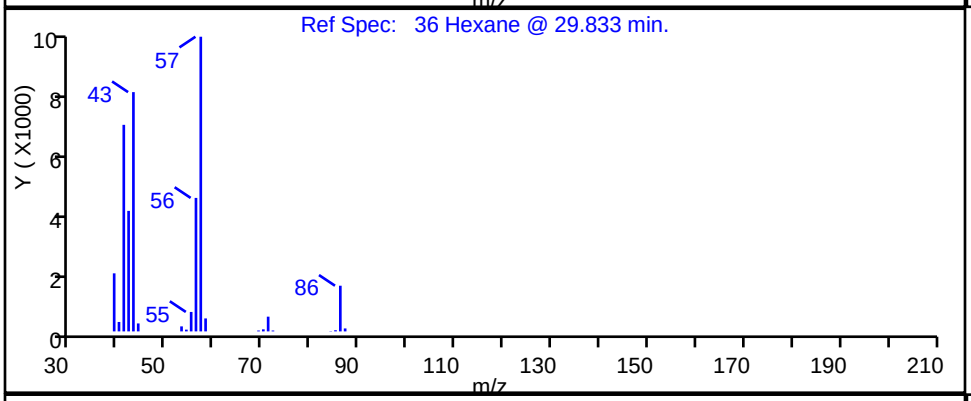
36 Hexane, CAS: 110-54-3

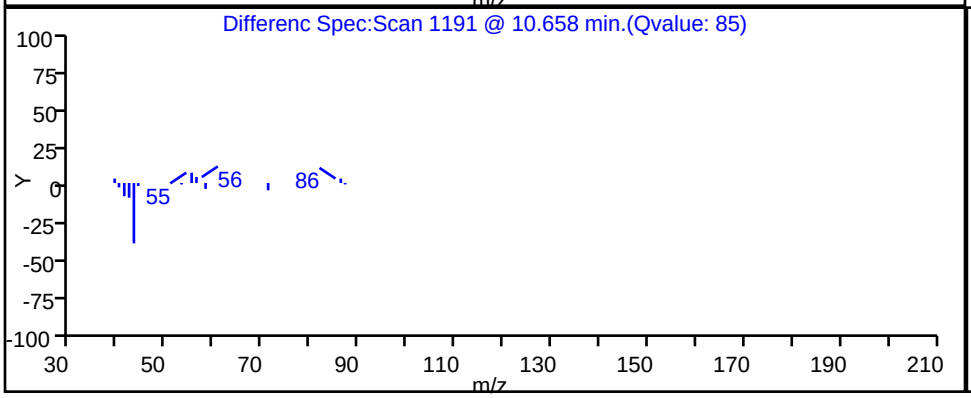


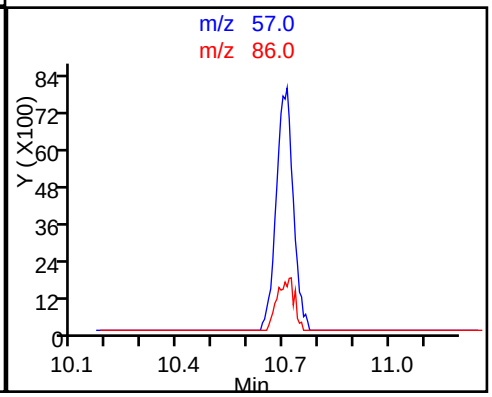












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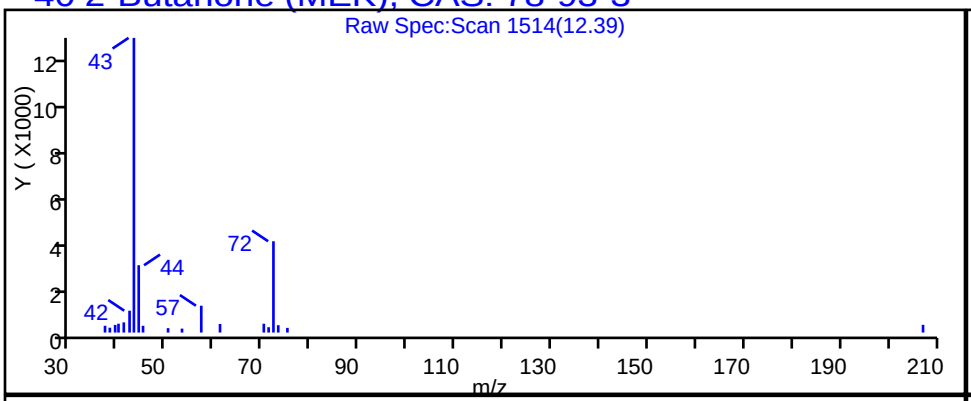
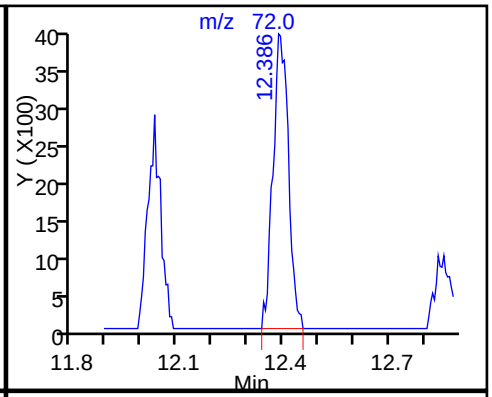
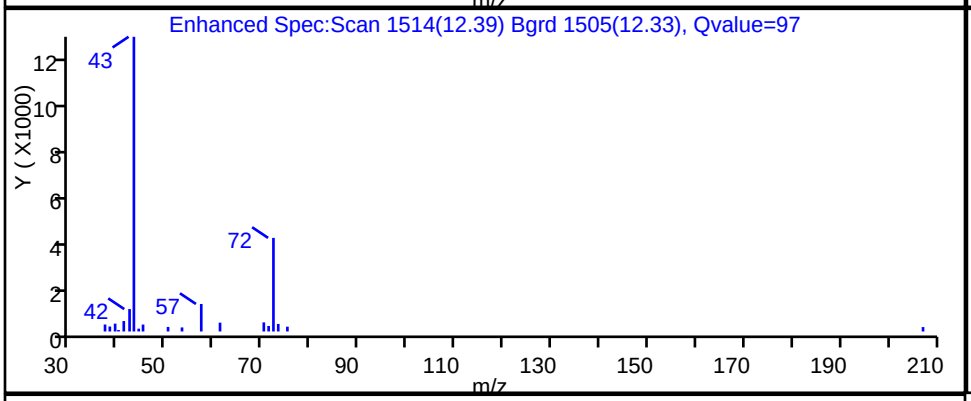
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

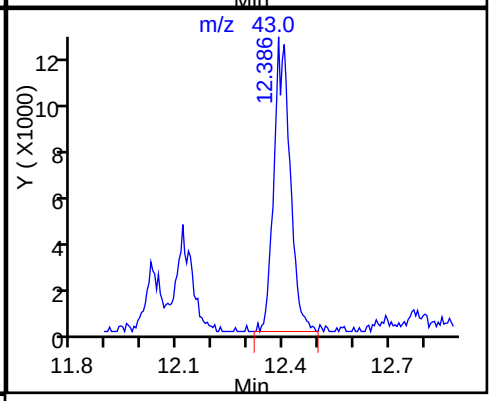
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

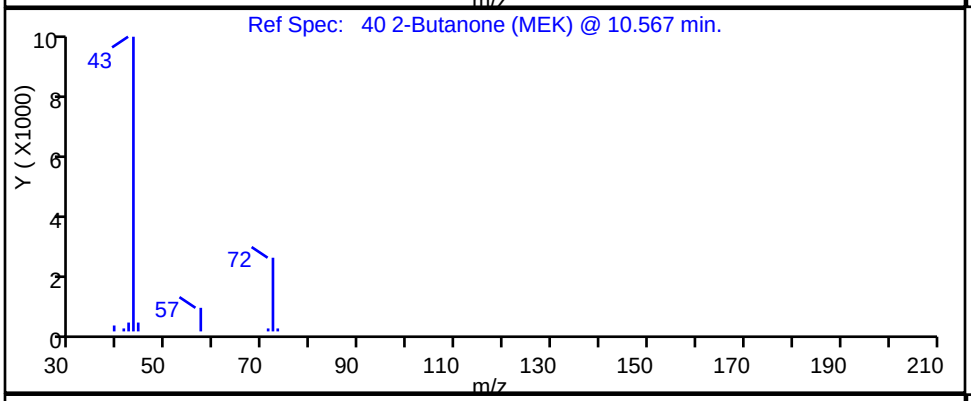
40 2-Butanone (MEK), CAS: 78-93-3

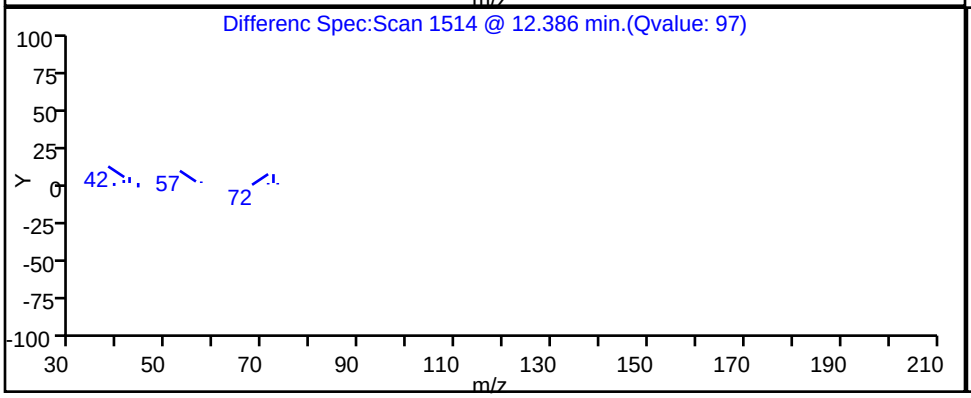


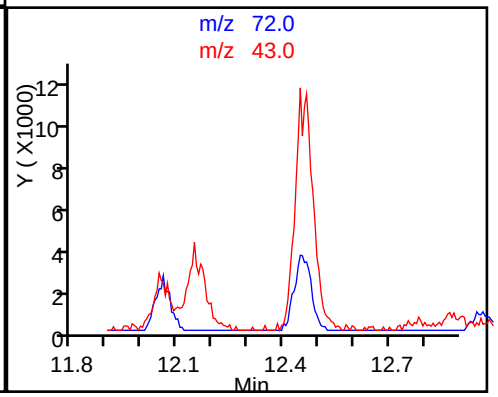












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TestAmerica Burlington

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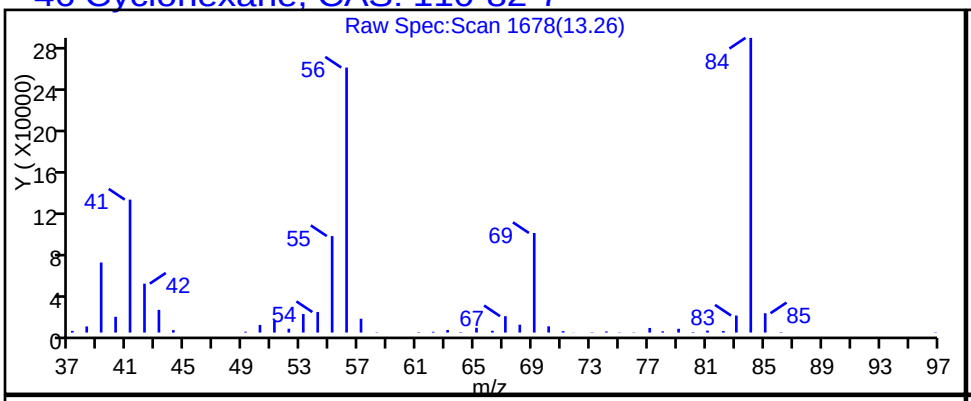
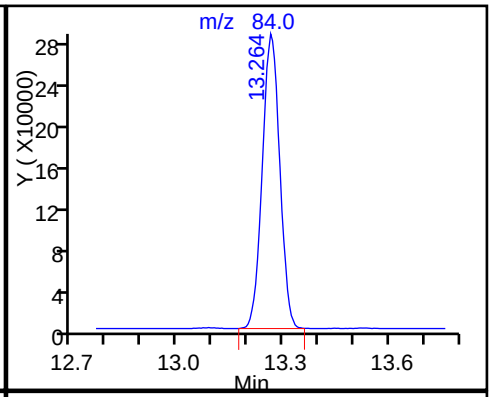
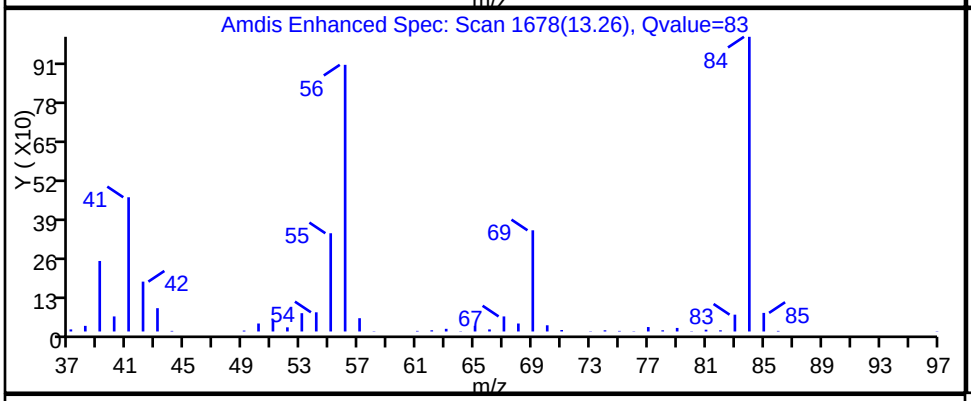
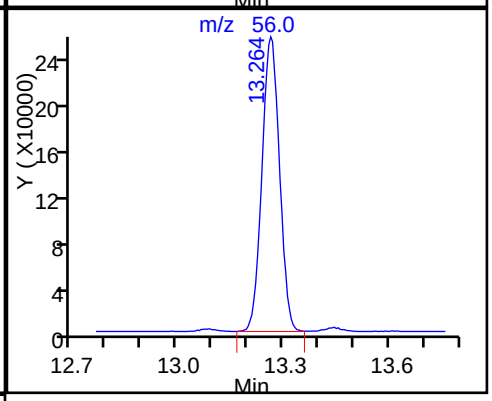
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

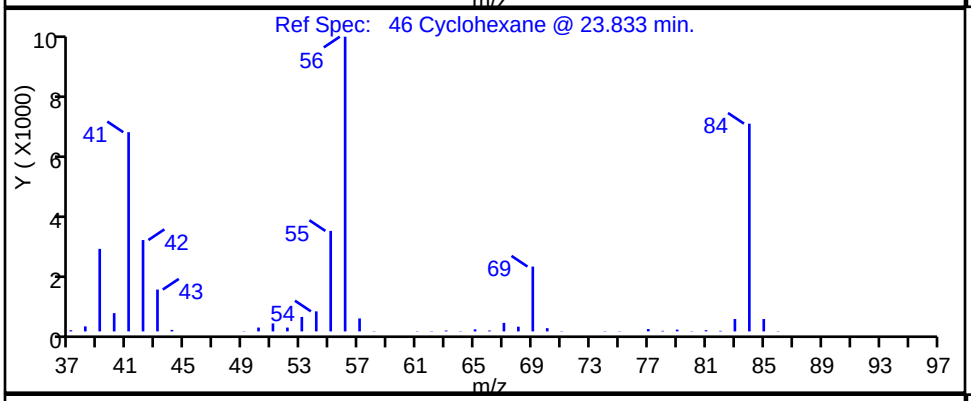
46 Cyclohexane, CAS: 110-82-7

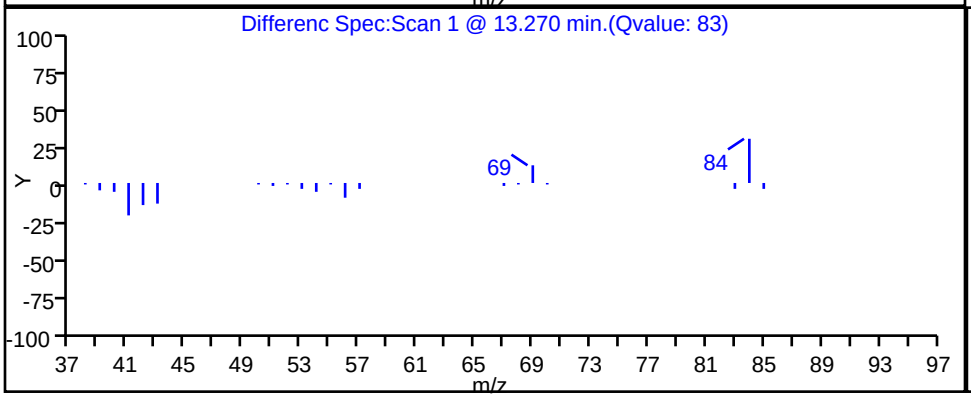


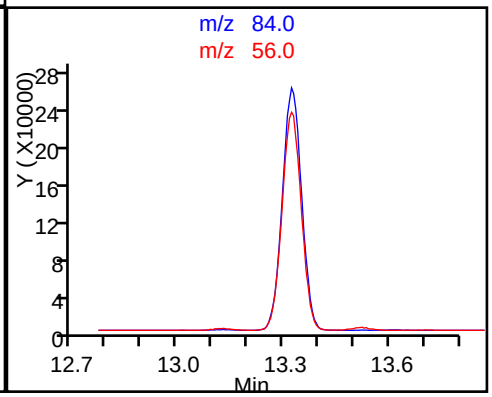












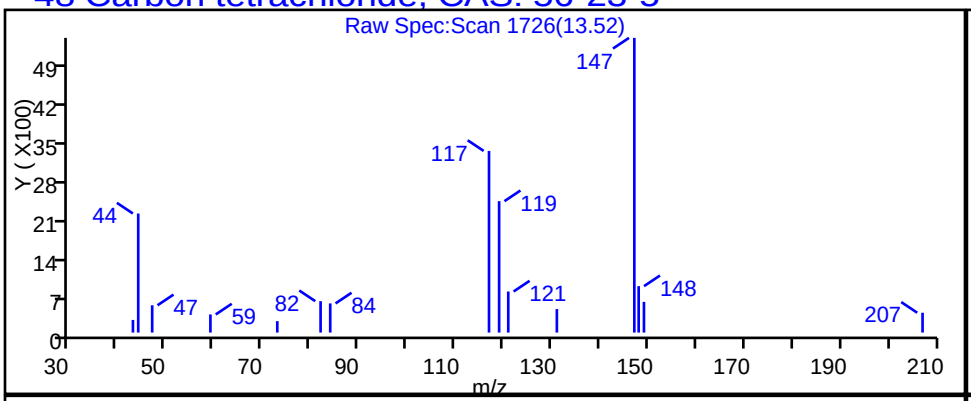
Report Date: 18-Feb-2014 11:48:25 Chrom Revision: 2.2 06-Feb-2014 15:19:06

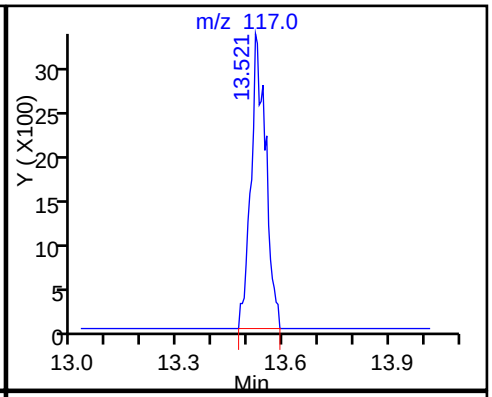
TestAmerica Burlington

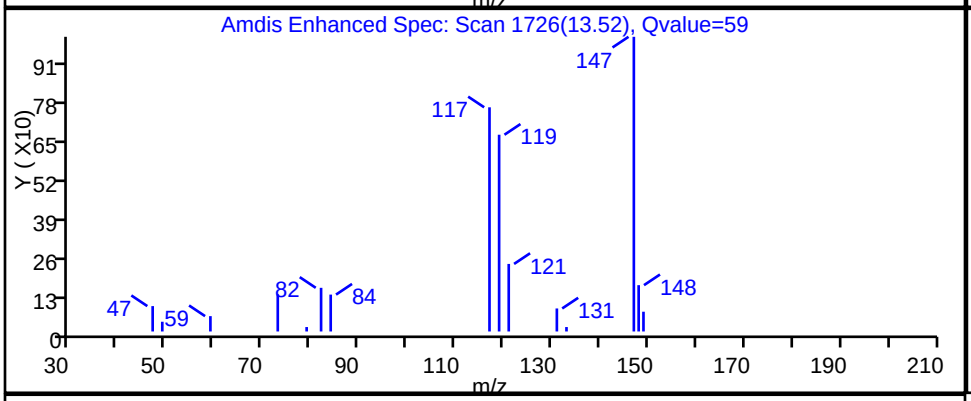
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

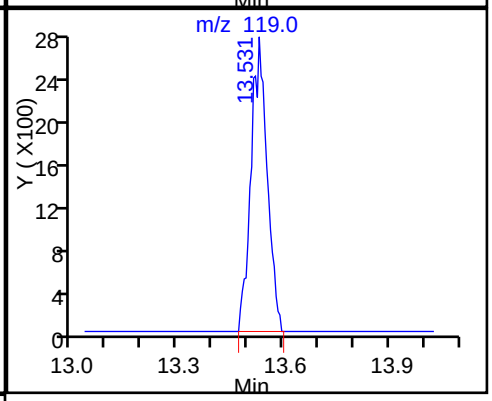
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

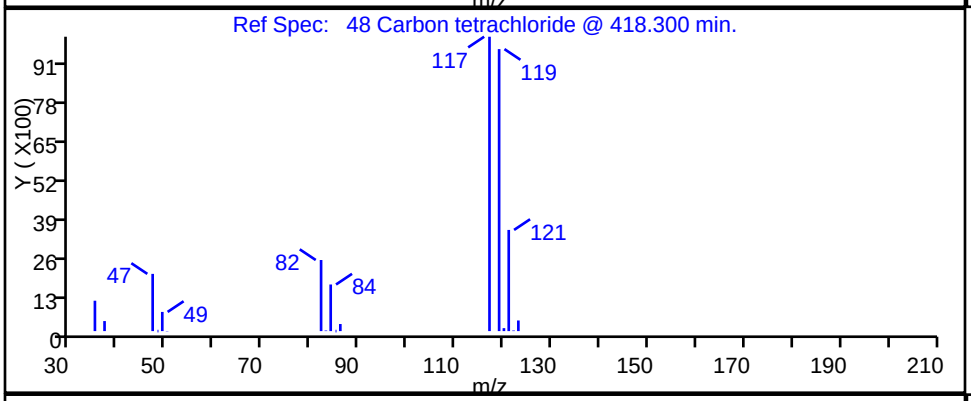
48 Carbon tetrachloride, CAS: 56-23-5

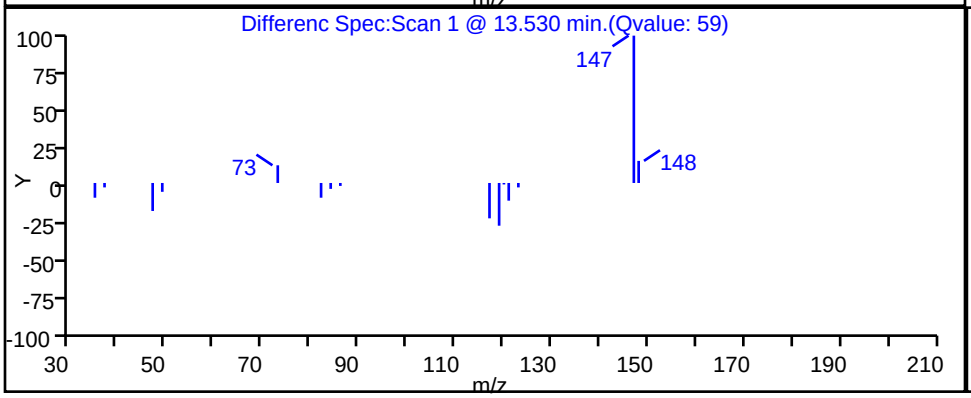


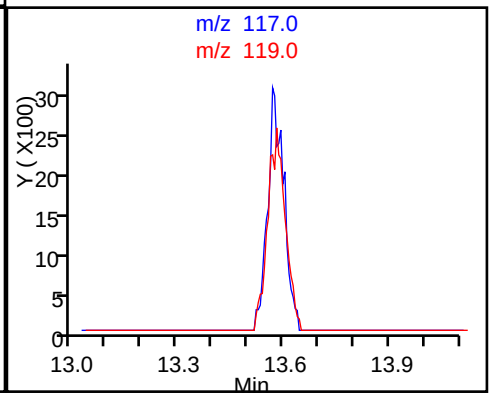












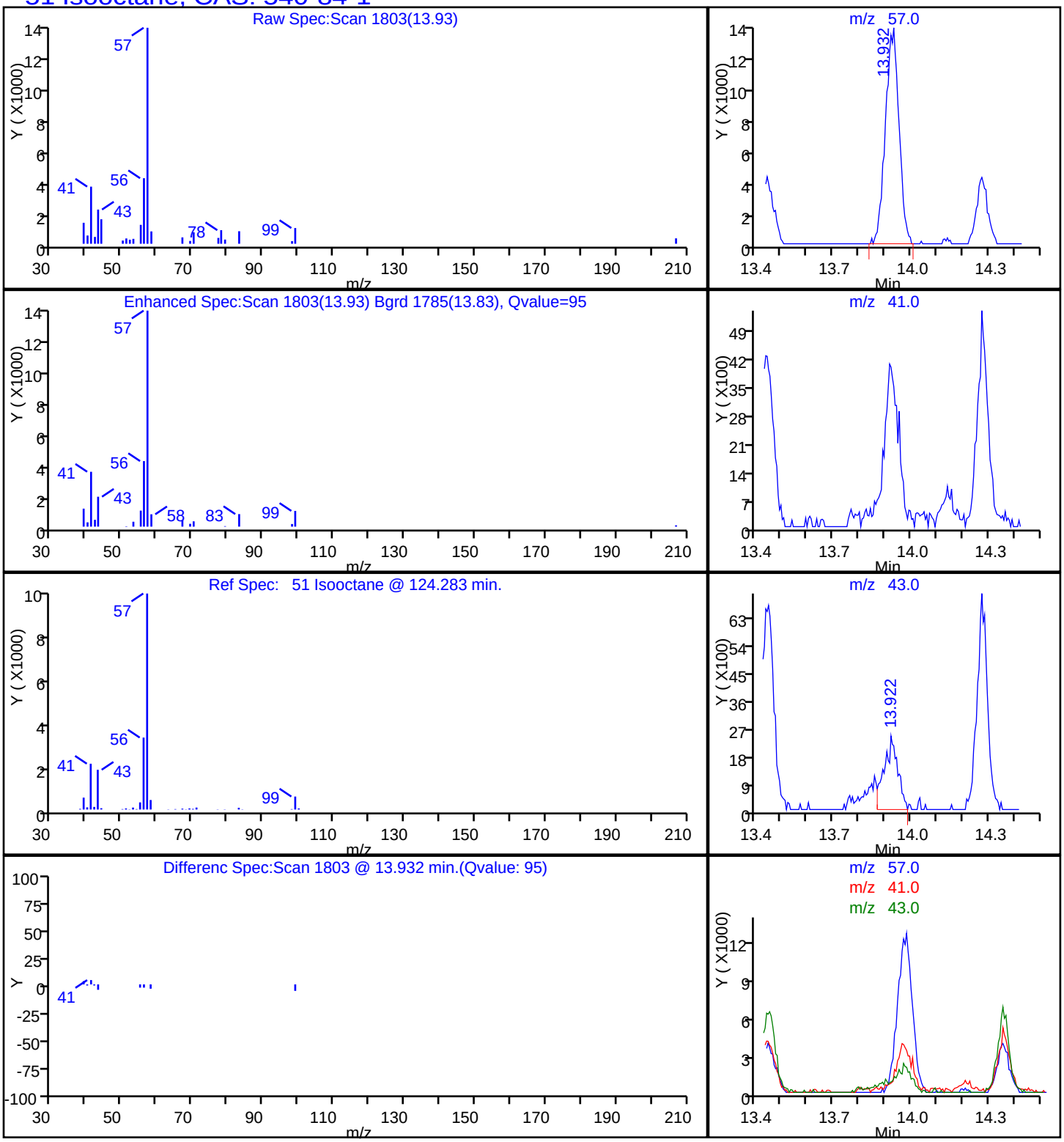
Report Date: 18-Feb-2014 11:48:25 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1



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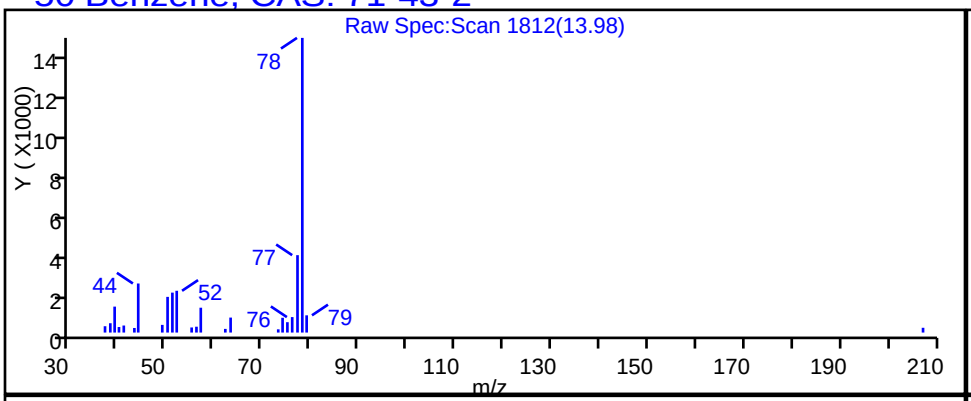
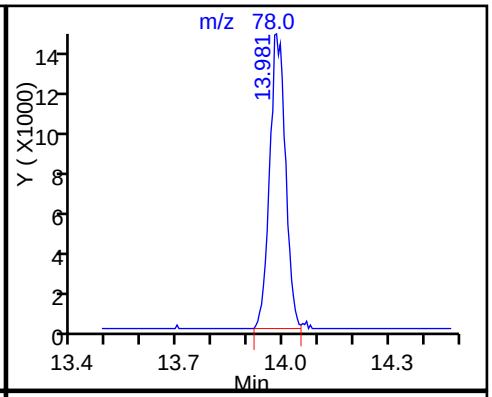
TestAmerica Burlington

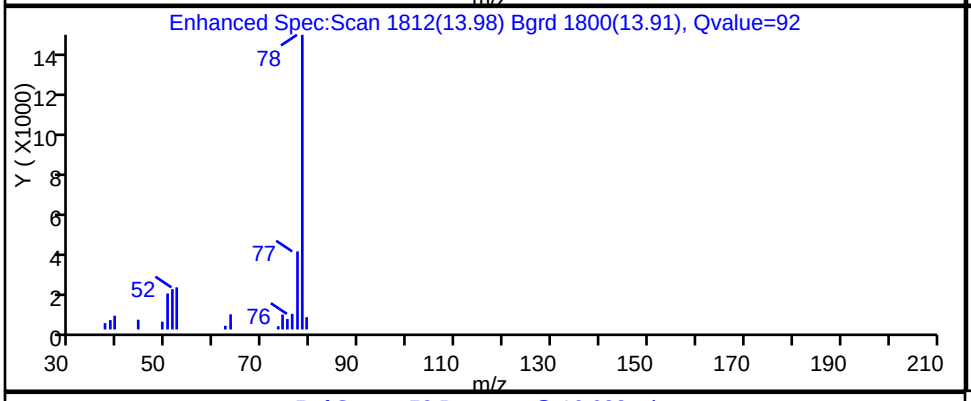
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

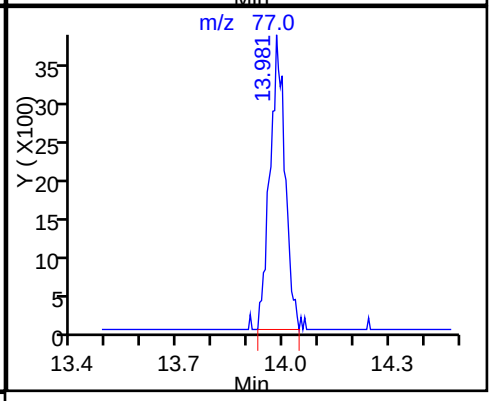
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

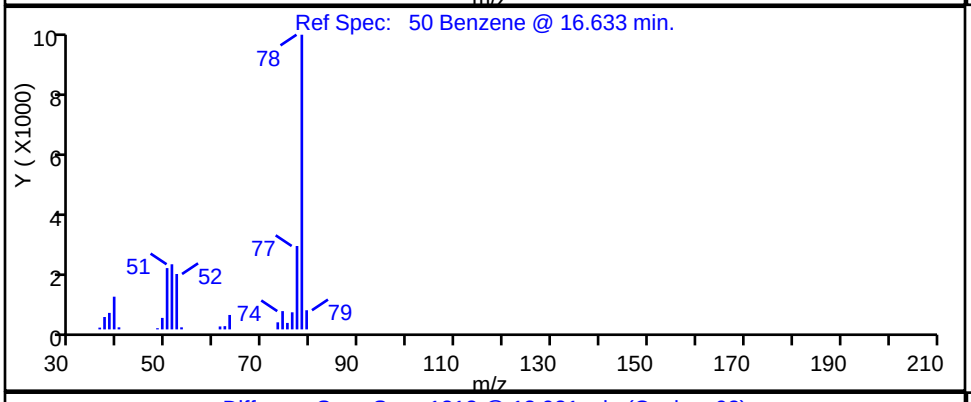
50 Benzene, CAS: 71-43-2

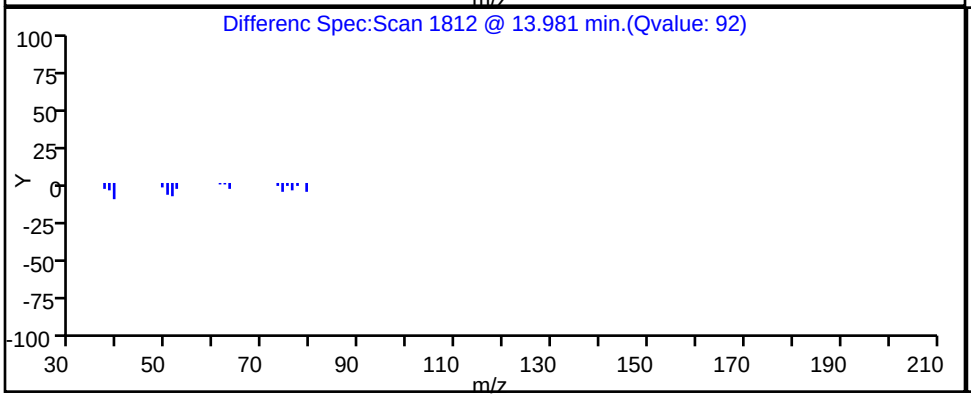


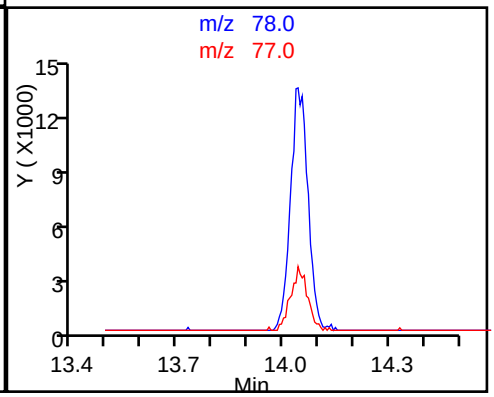












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TestAmerica Burlington

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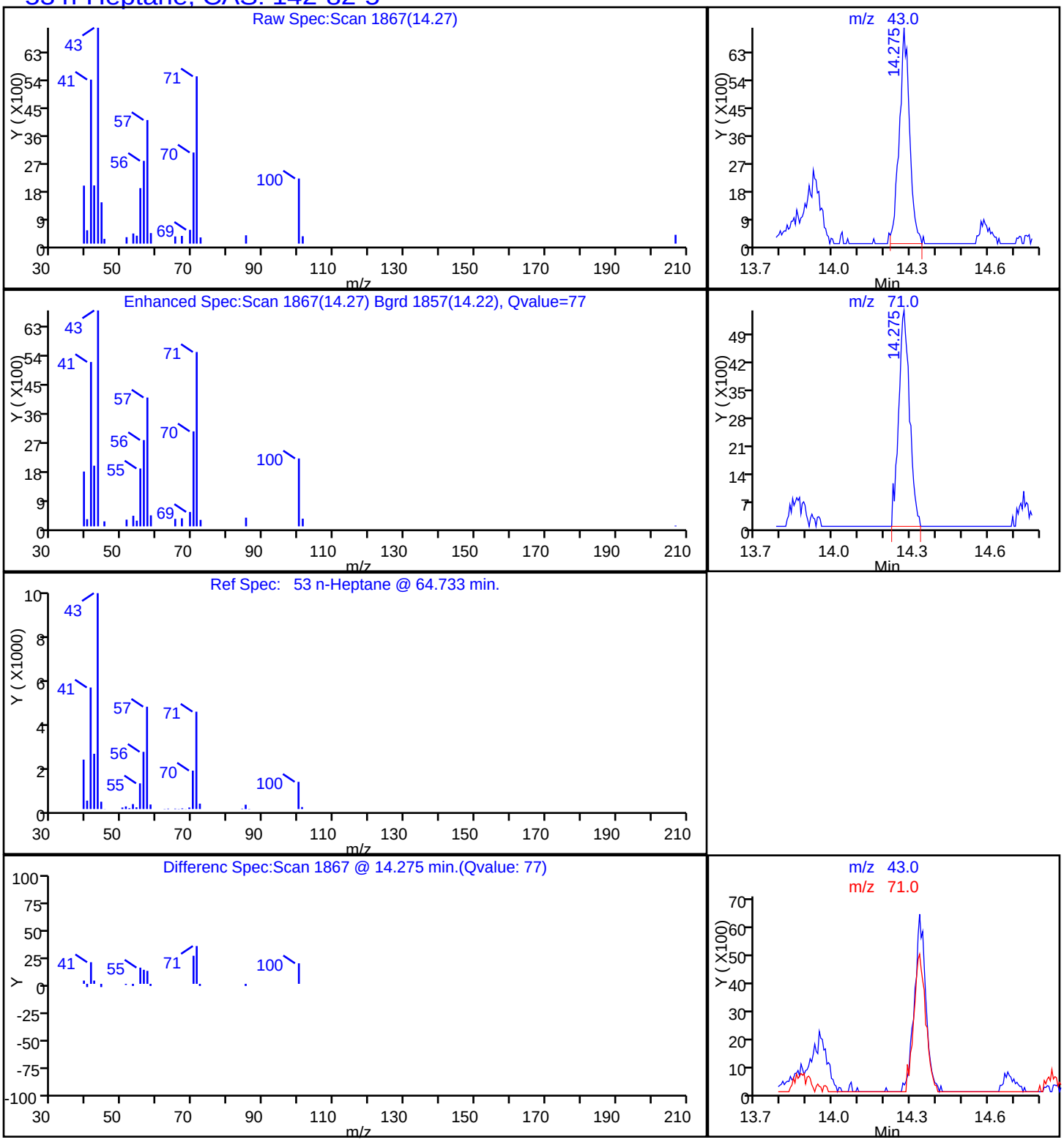
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5



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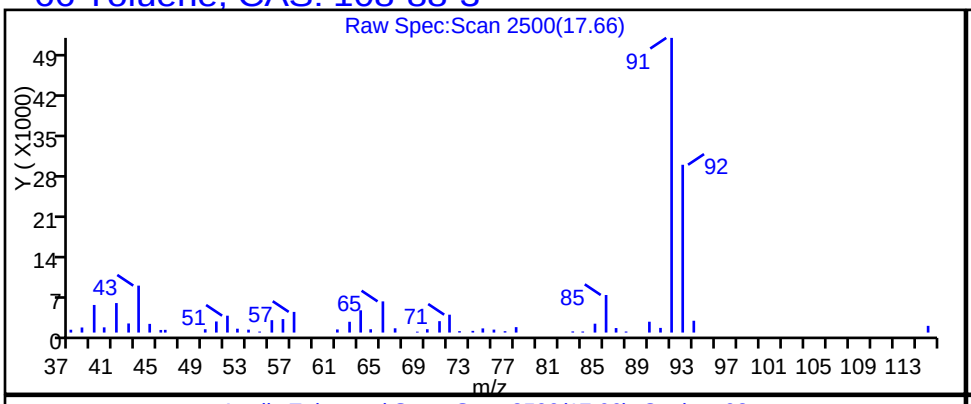
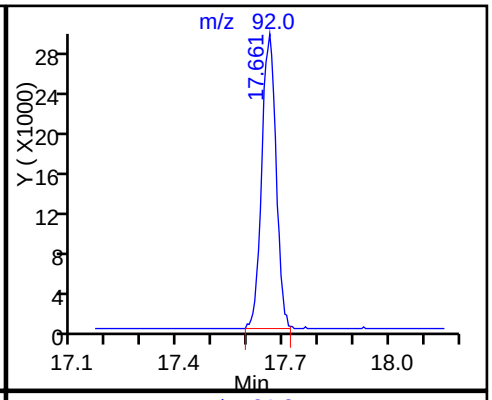
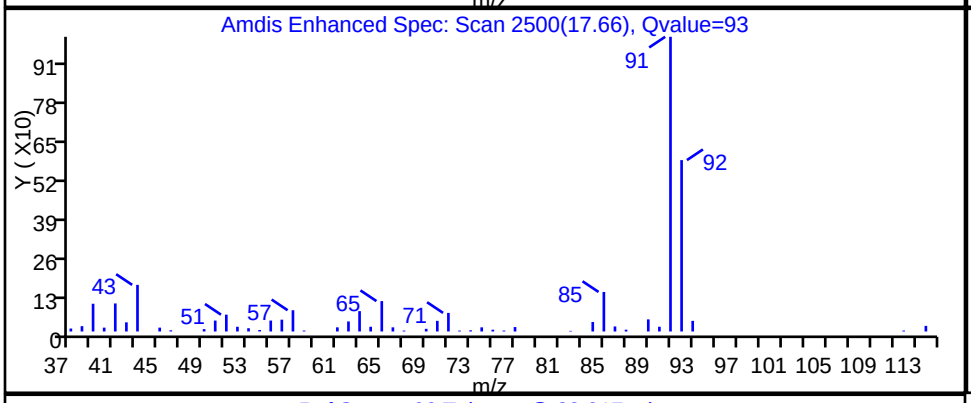
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

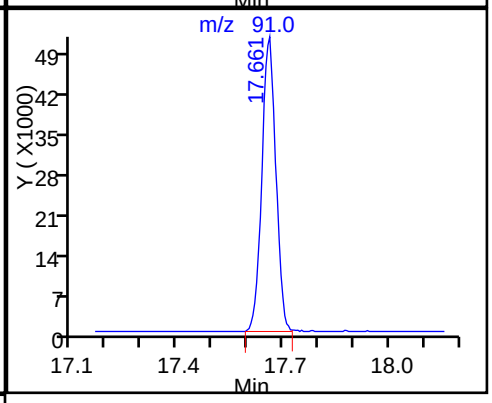
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

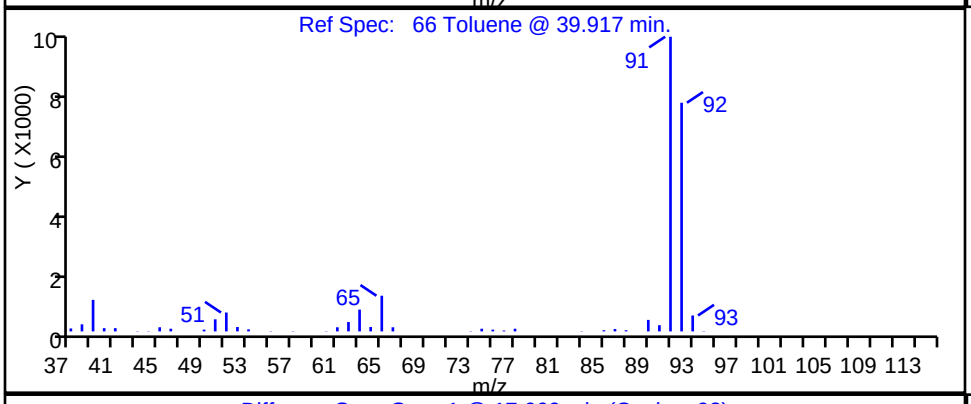
66 Toluene, CAS: 108-88-3

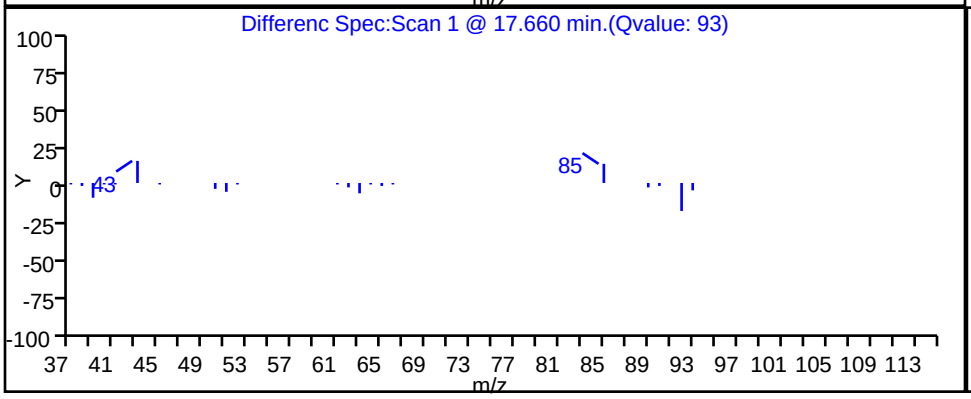


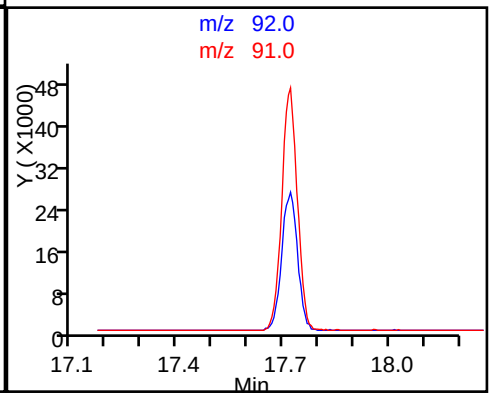












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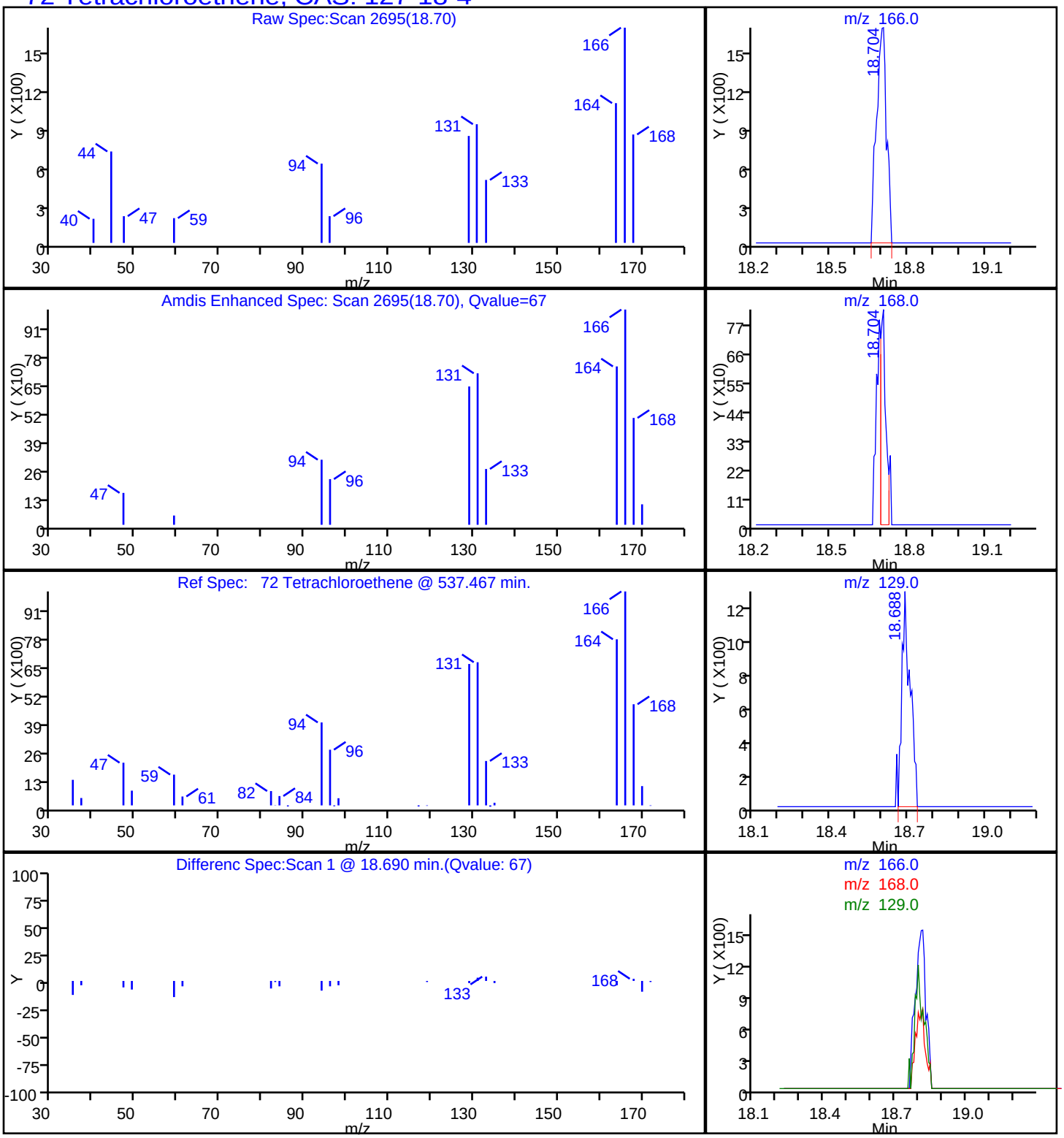
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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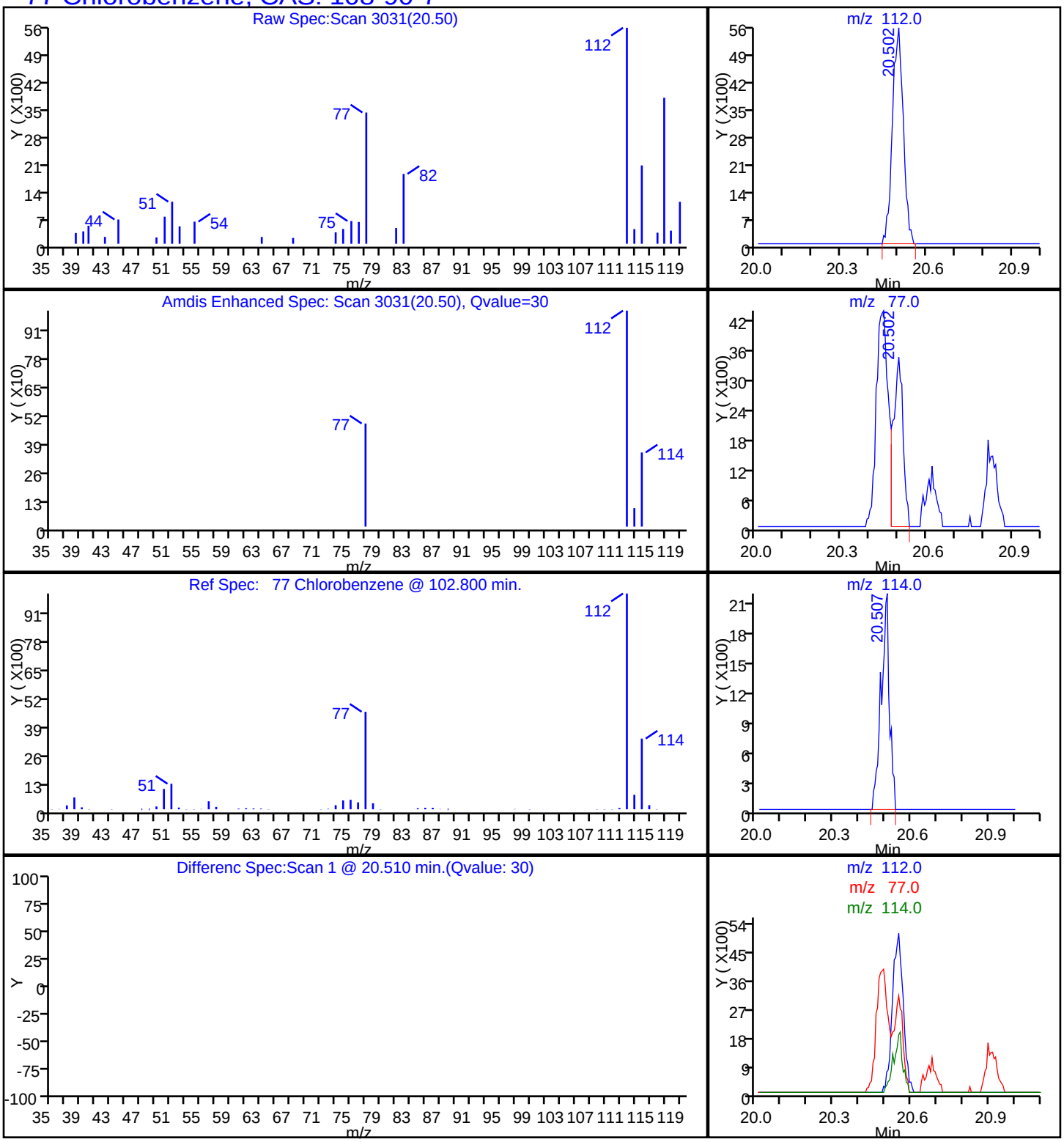
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

77 Chlorobenzene, CAS: 108-90-7



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TestAmerica Burlington

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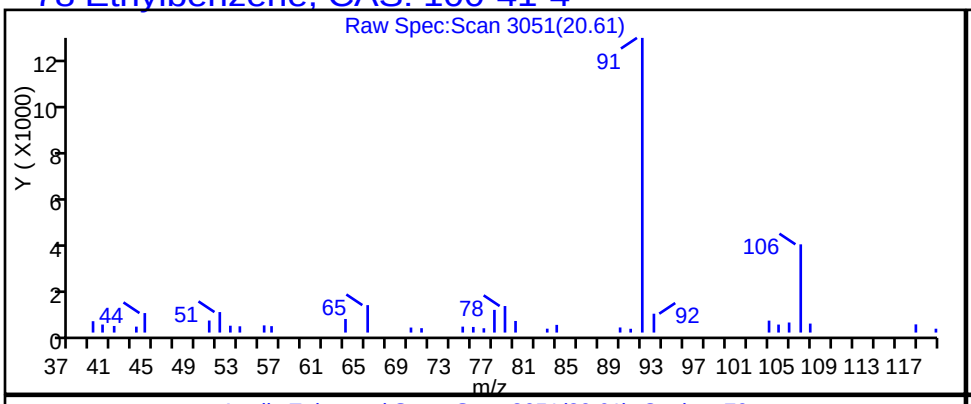
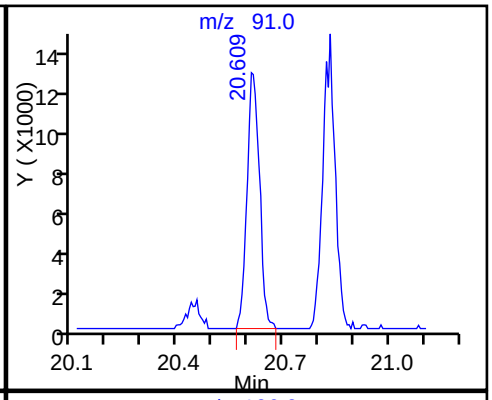
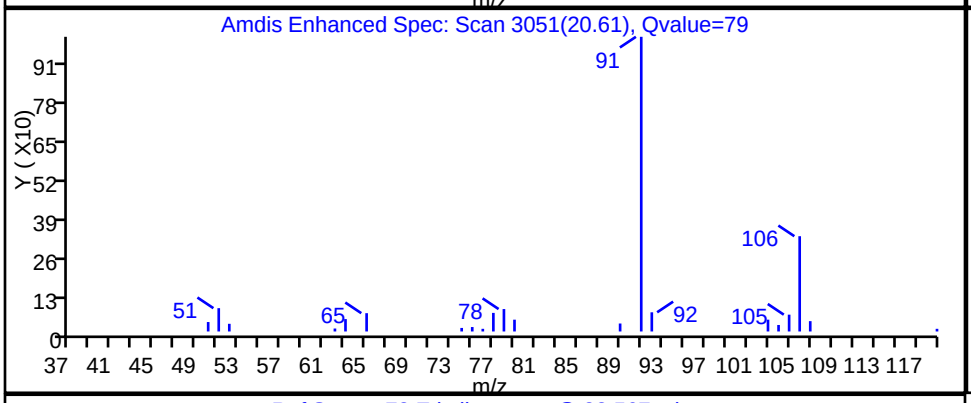
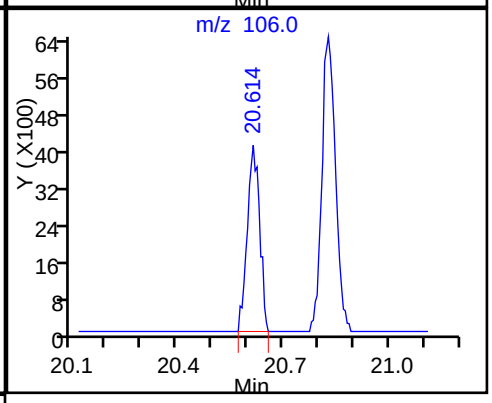
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

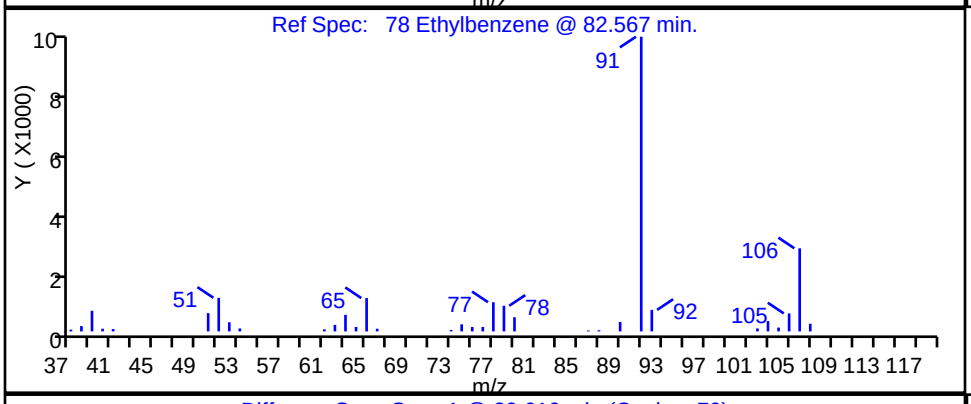
78 Ethylbenzene, CAS: 100-41-4

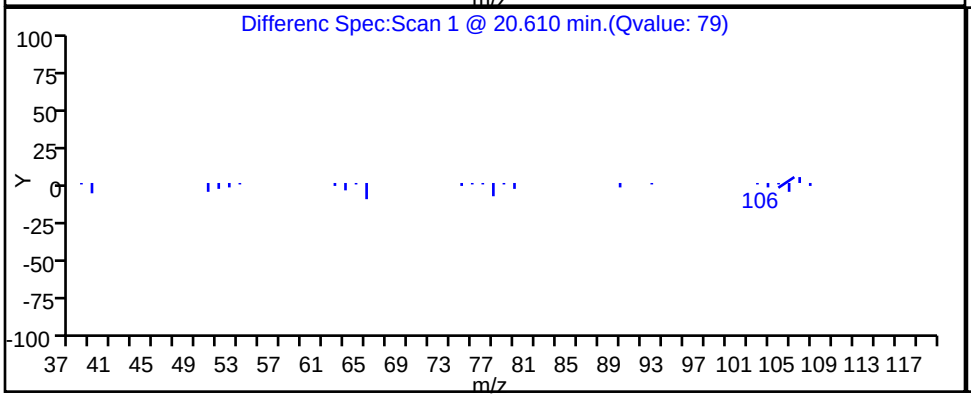


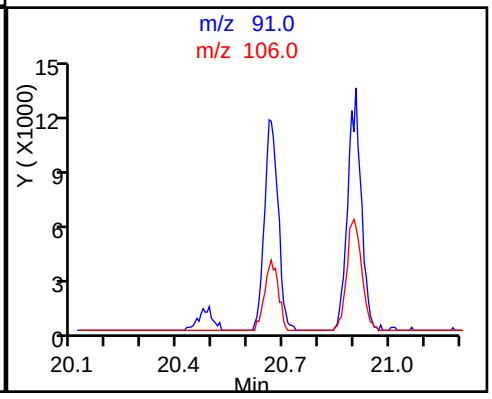












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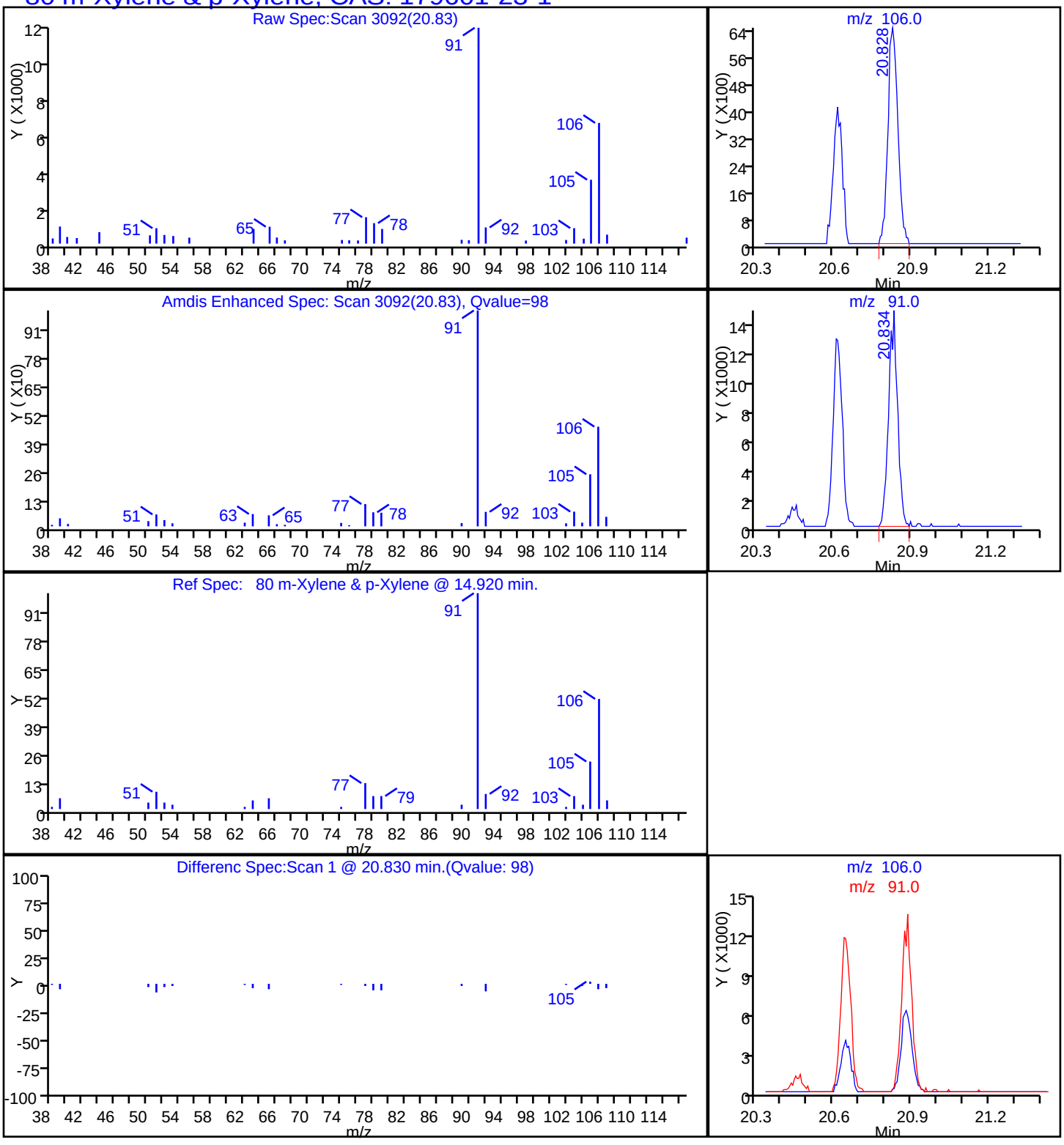
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



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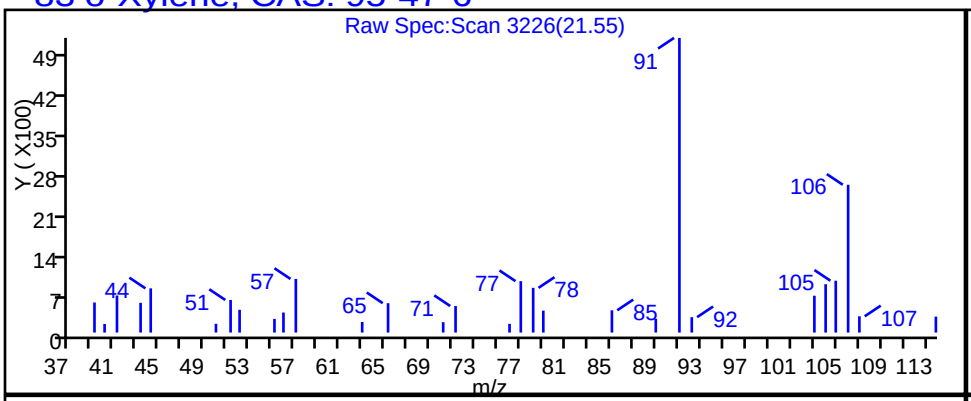
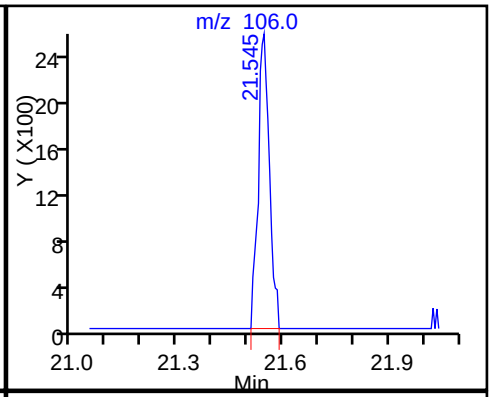
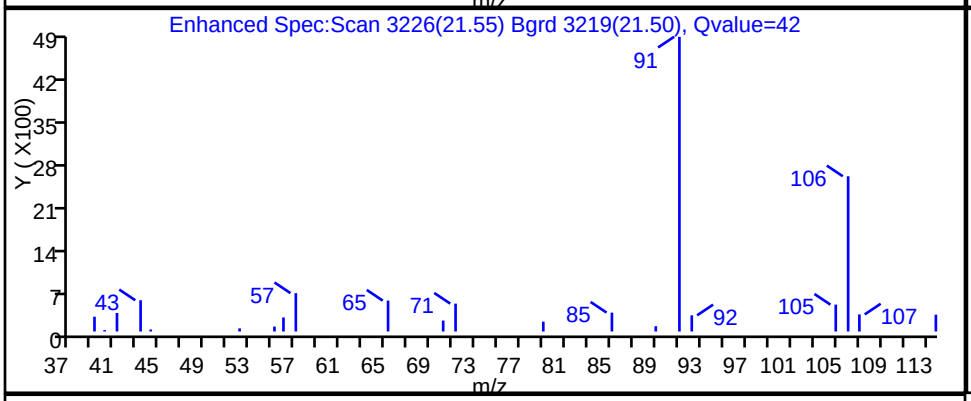
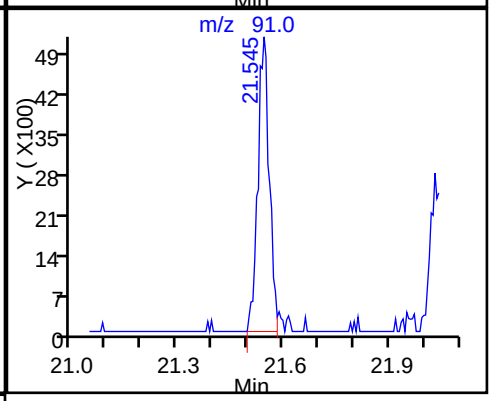
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

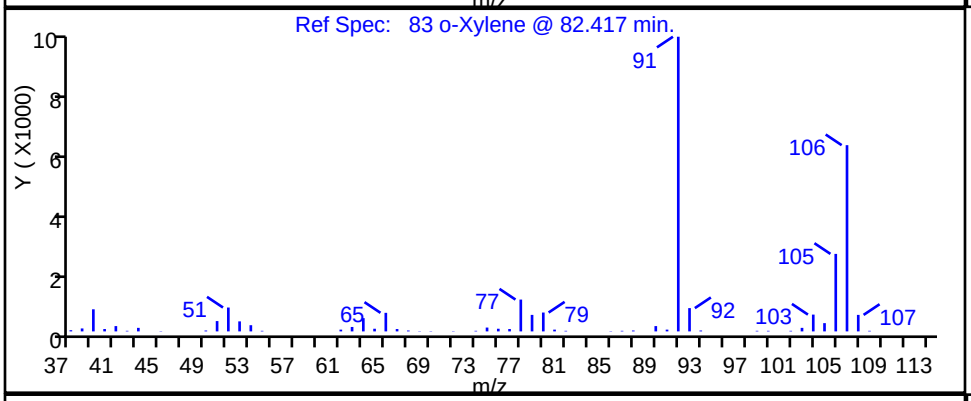
83 o-Xylene, CAS: 95-47-6

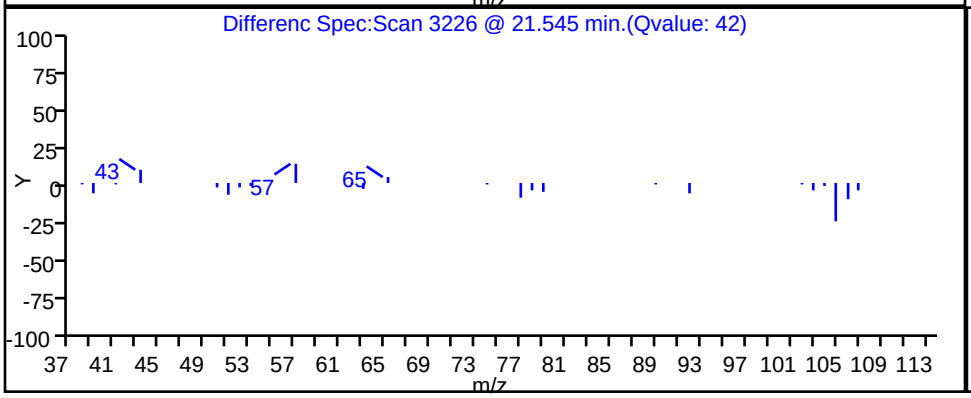


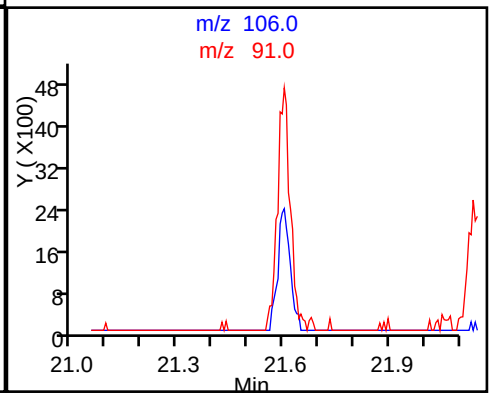












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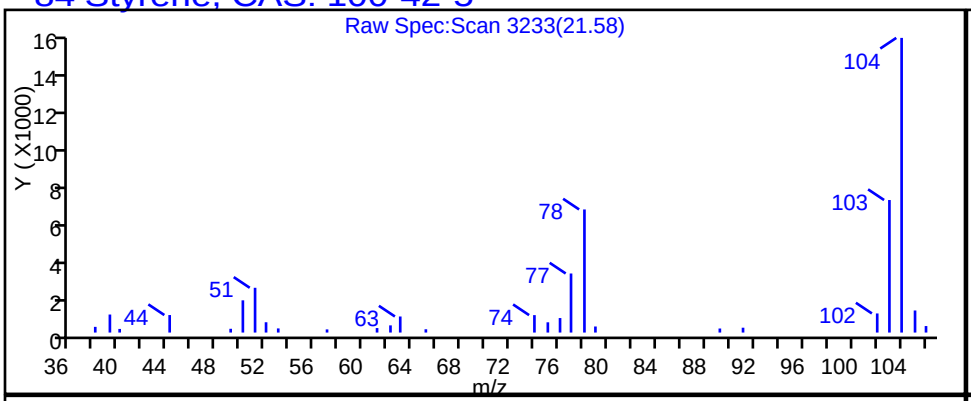
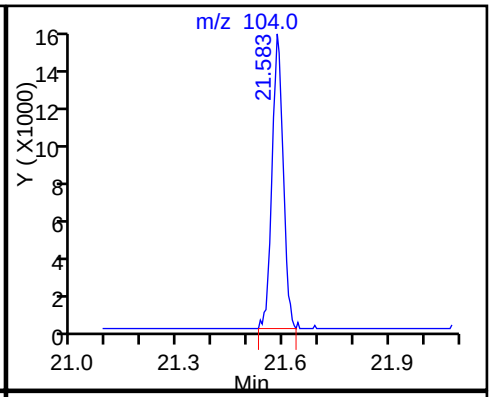
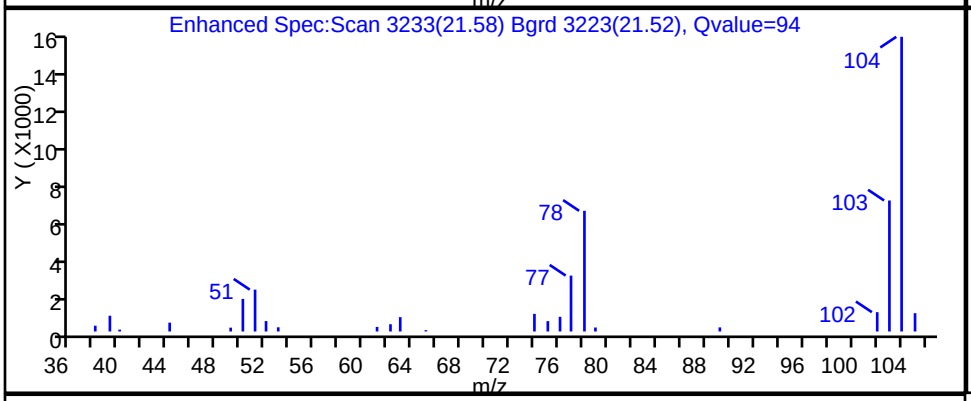
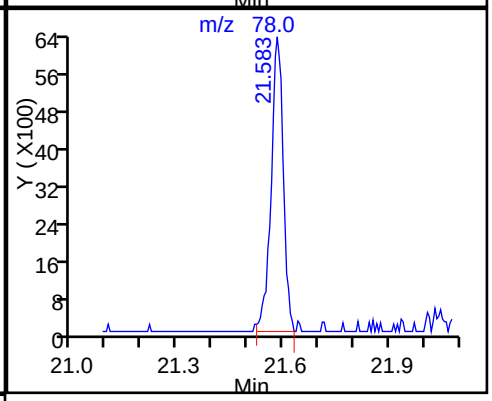
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

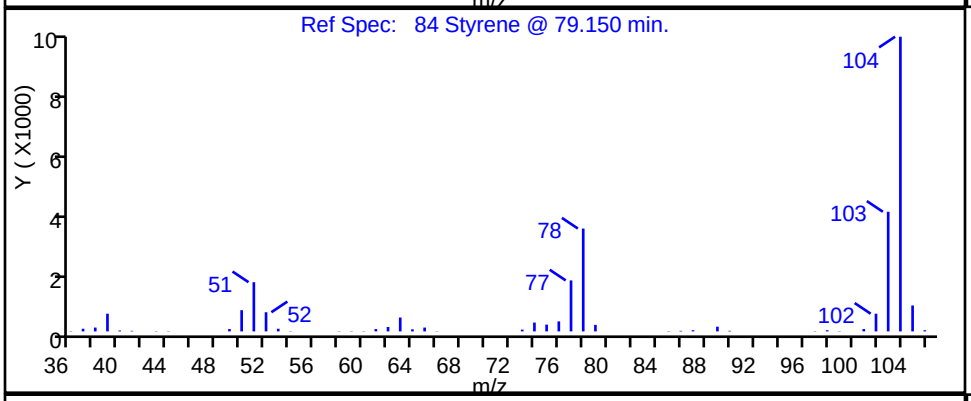
84 Styrene, CAS: 100-42-5

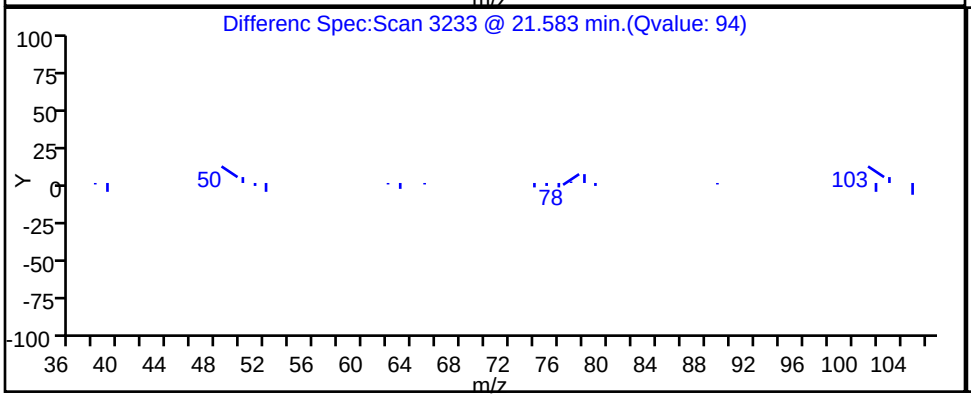


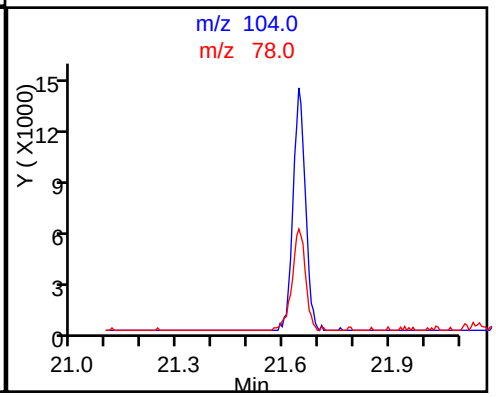












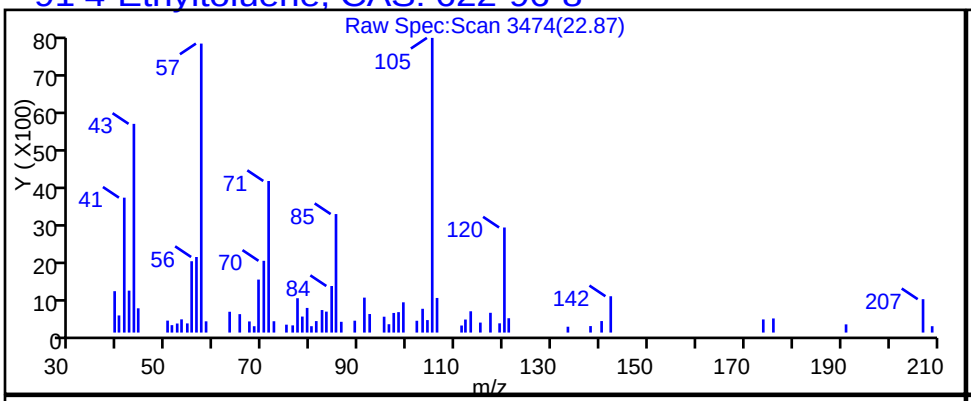
Report Date: 18-Feb-2014 11:48:25 Chrom Revision: 2.2 06-Feb-2014 15:19:06

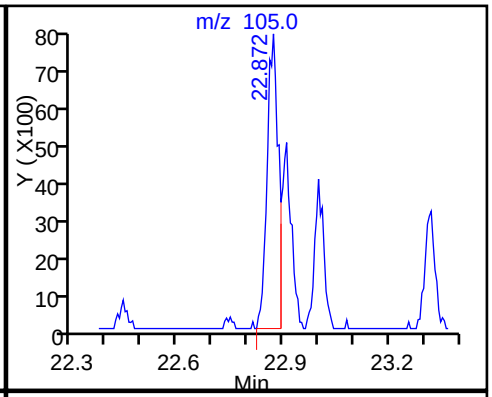
TestAmerica Burlington

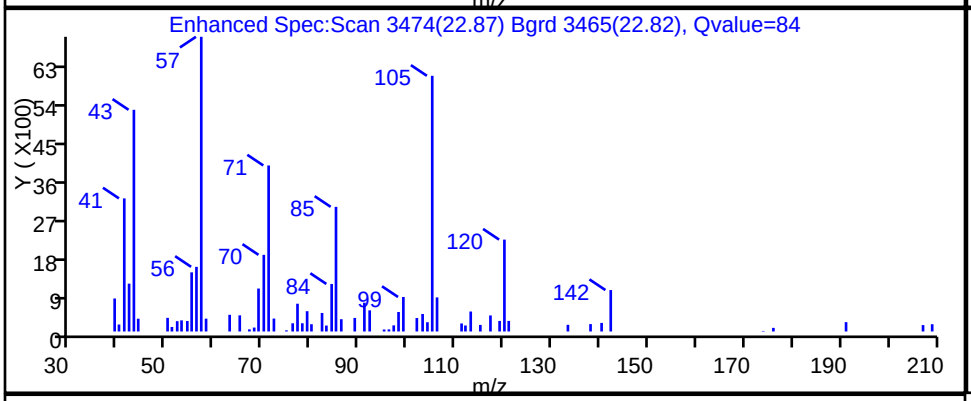
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

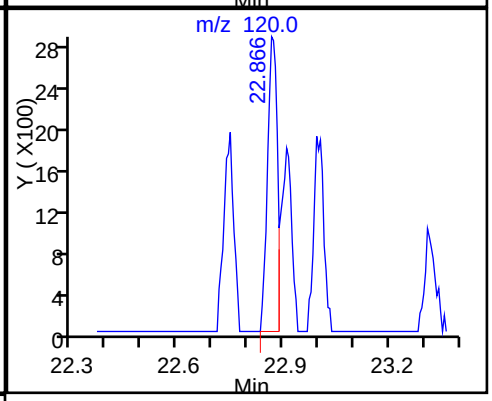
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

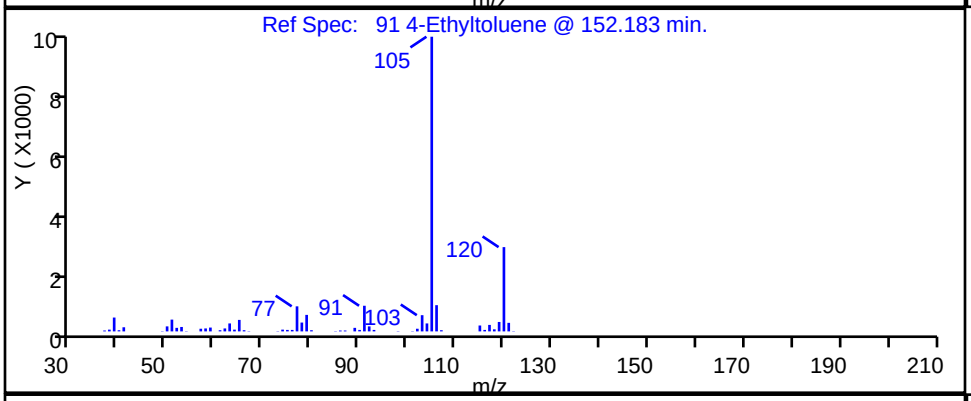
91 4-Ethyltoluene, CAS: 622-96-8

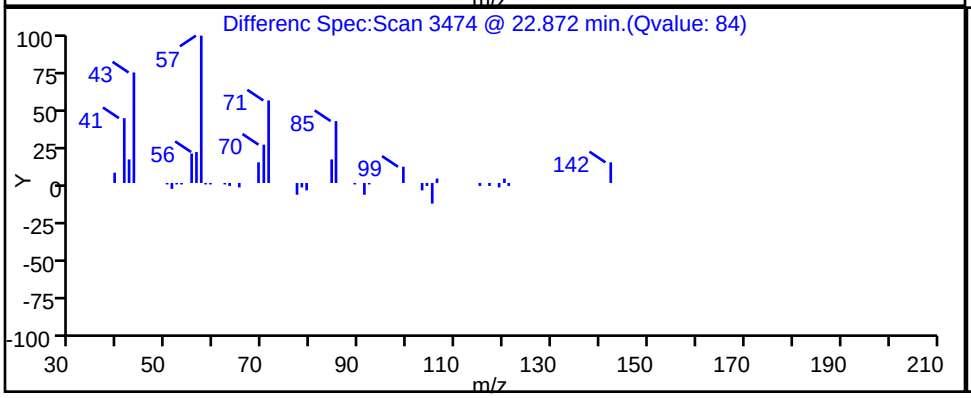


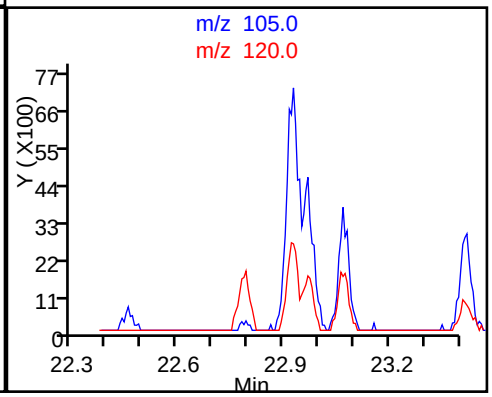












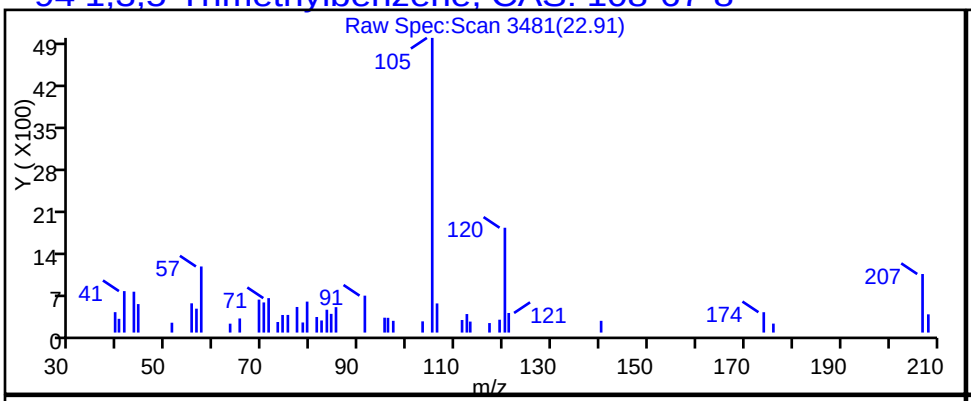
Report Date: 18-Feb-2014 11:48:25 Chrom Revision: 2.2 06-Feb-2014 15:19:06

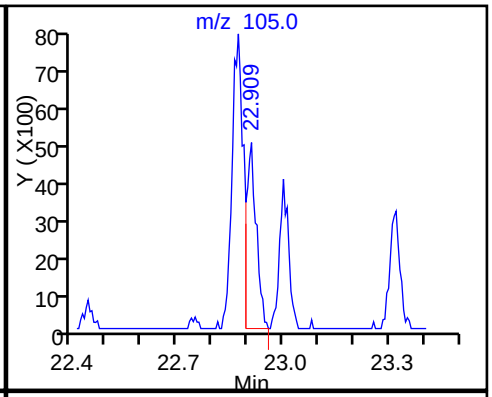
TestAmerica Burlington

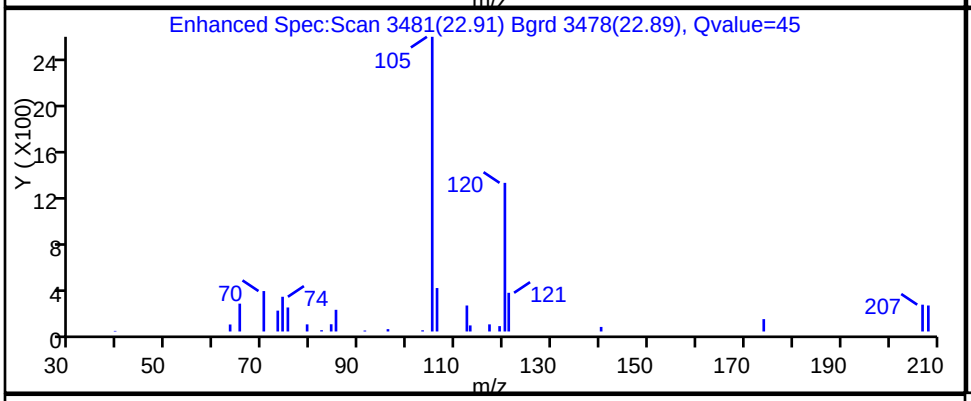
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

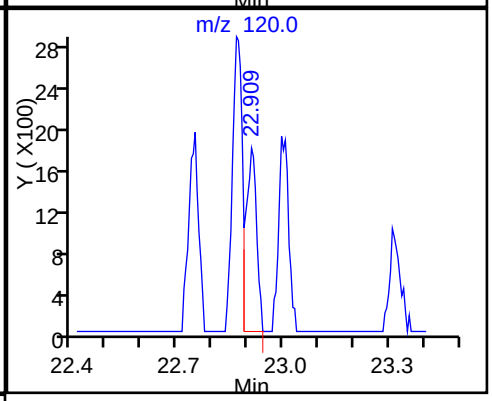
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

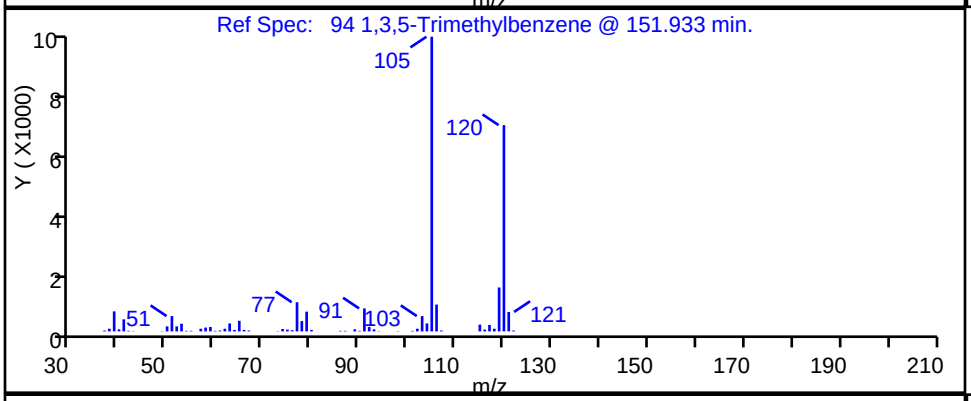
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

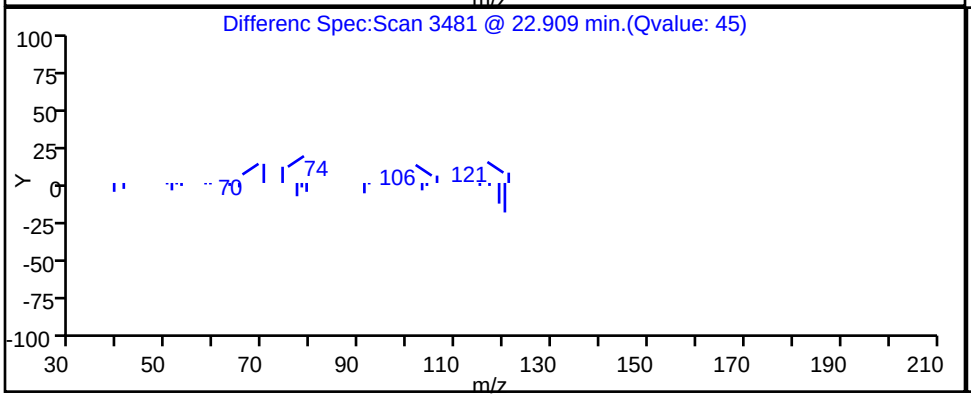


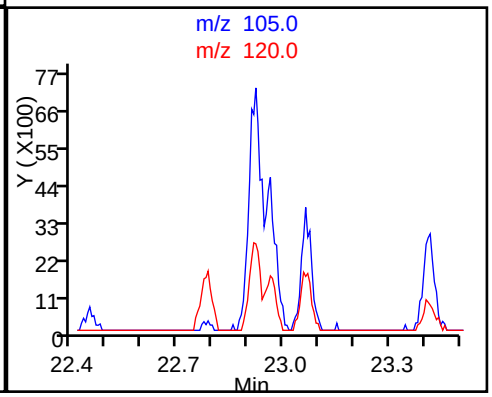












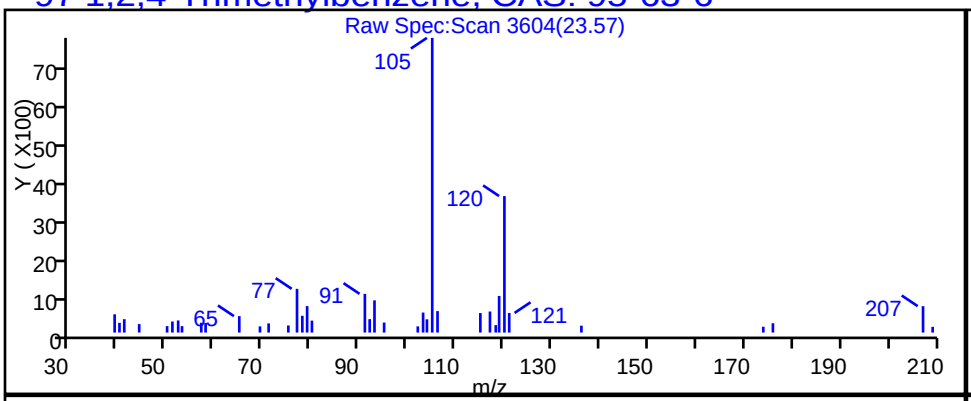
Report Date: 18-Feb-2014 11:48:25 Chrom Revision: 2.2 06-Feb-2014 15:19:06

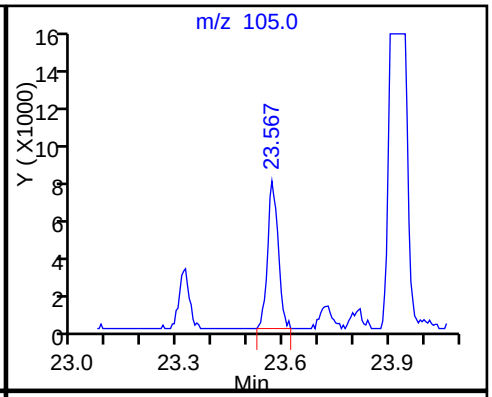
TestAmerica Burlington

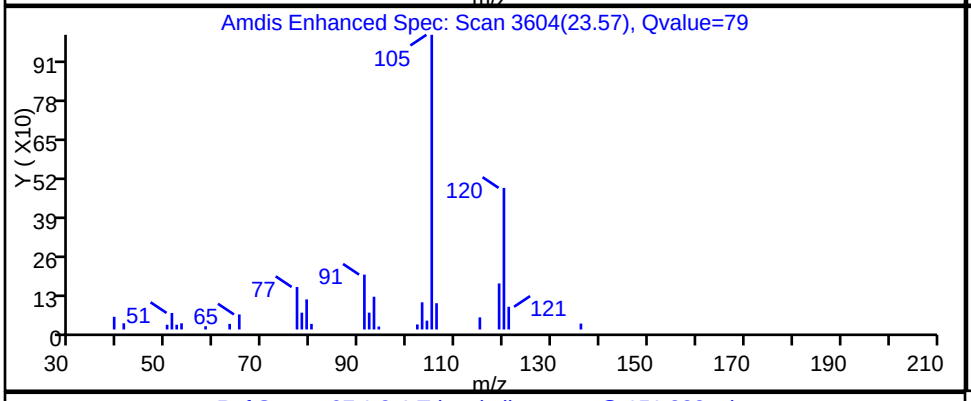
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

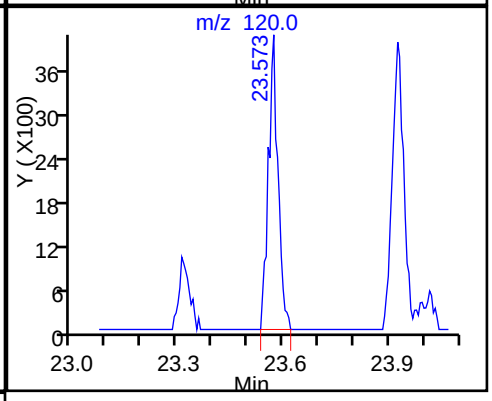
Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

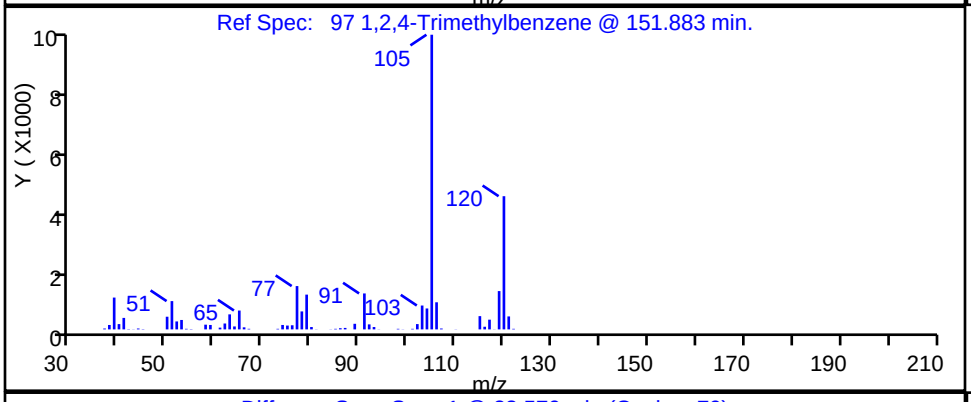
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

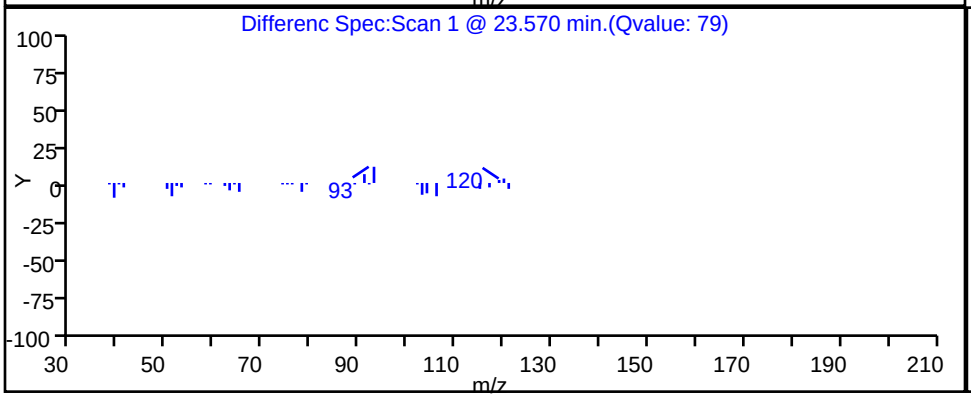


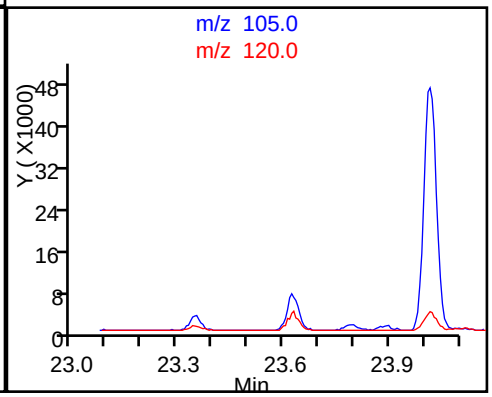












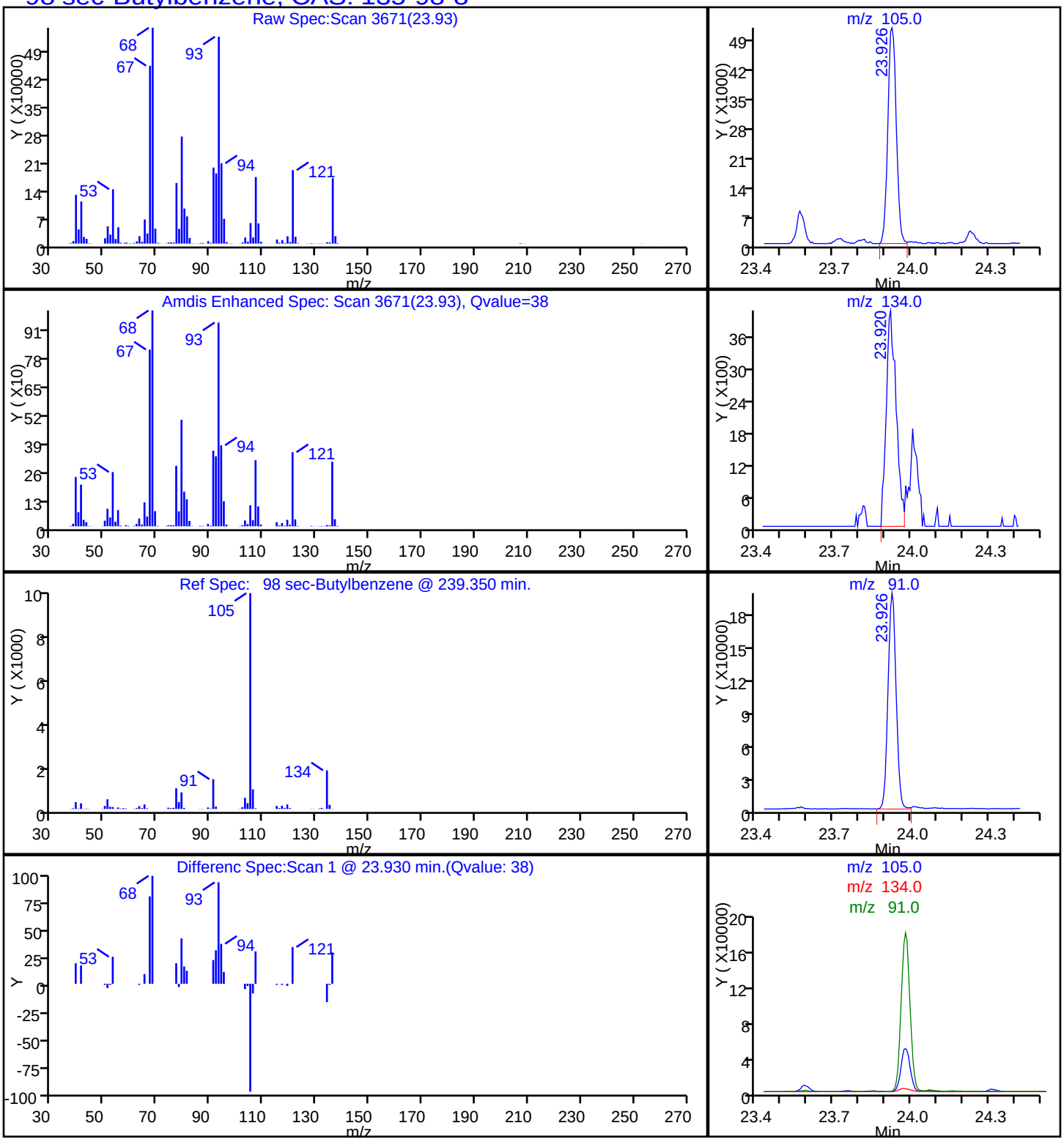
Report Date: 18-Feb-2014 11:48:25 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

98 sec-Butylbenzene, CAS: 135-98-8



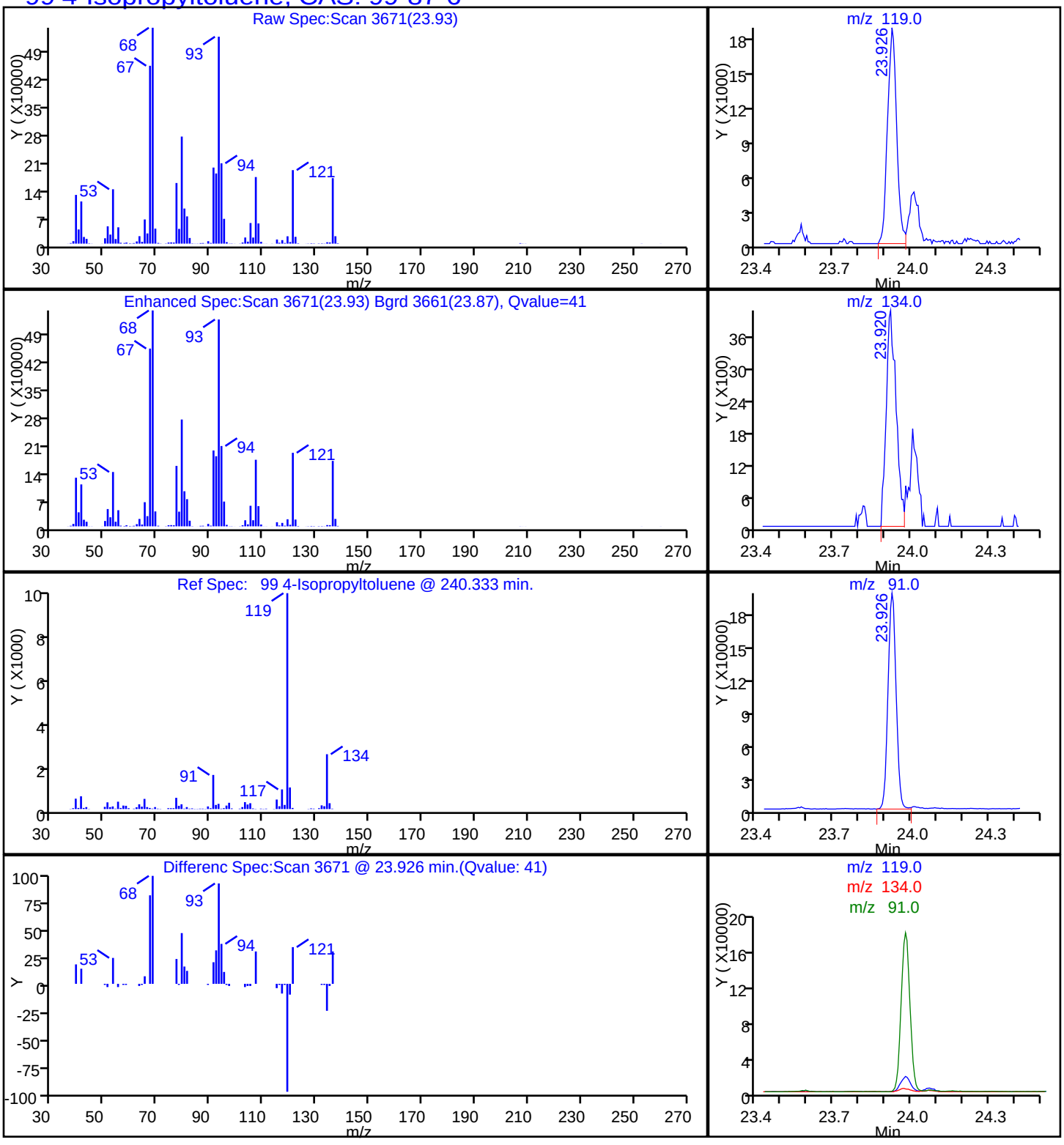
Report Date: 18-Feb-2014 11:48:25 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_015.d

Injection Date:	17-Feb-2014 23:03:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-1	Lab Sample ID:	200-20955-1		
Client ID:	IA-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

99 4-Isopropyltoluene, CAS: 99-87-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-2B Lab Sample ID: 200-20955-3

Matrix: Air Lab File ID: 6171_016.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:24

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 23:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.48	J	0.50	0.030
75-45-6	Freon 22	86.47	10		0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.51		0.50	0.14
106-97-8	n-Butane	58.12	1.1		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.37		0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.43		0.20	0.030
76-13-1	Freon 113	187.38	0.068	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	3.5	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	140	E	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	1.1		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.52		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	18		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.069		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.31		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-2B Lab Sample ID: 200-20955-3

Matrix: Air Lab File ID: 6171_016.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:24

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 23:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.68		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.11	J	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.13	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.11	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.039	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.15	J	0.20	0.034
100-42-5	Styrene	104.15	0.42		0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.050	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.054	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.051	J	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.042	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.090	J	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-2B Lab Sample ID: 200-20955-3

Matrix: Air Lab File ID: 6171_016.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:24

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 23:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-2B Lab Sample ID: 200-20955-3

Matrix: Air Lab File ID: 6171_016.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:24

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 23:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.4	J	2.5	0.15
75-45-6	Freon 22	86.47	36		1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.1		1.0	0.28
106-97-8	n-Butane	58.12	2.5		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.81		0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	2.4		1.1	0.17
76-13-1	Freon 113	187.38	0.52	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	8.4	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	340	E	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	3.8		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.71		0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	64		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.43		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.98		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-2B Lab Sample ID: 200-20955-3

Matrix: Air Lab File ID: 6171_016.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:24

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 23:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	2.5		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.51	J	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.56	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.46	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.17	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.65	J	0.87	0.15
100-42-5	Styrene	104.15	1.8		0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.25	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.27	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	0.26	J	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	0.49	J	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-2B Lab Sample ID: 200-20955-3

Matrix: Air Lab File ID: 6171_016.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:24

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 23:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d
Lims ID: 200-20955-A-3 Lab Sample ID: 200-20955-3
Client ID: IA-VMP-2B
Sample Type: Client
Inject. Date: 17-Feb-2014 23:52:30 ALS Bottle#: 14 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006171-016
Misc. Info.: 200-20955-A-3
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Feb-2014 11:48:25 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK028

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85	4.506	4.474	0.032	83	83021	0.4841	
	6 Chlorodifluoromethane	51	4.431	4.538	-0.107	35	656064	10.1	
	7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.827					
	8 Chloromethane	50	5.046	5.020	0.026	93	15191	0.5146	
	9 Butane	43	5.314	5.287	0.027	94	51167	1.07	
	10 Vinyl chloride	62		5.341					
	11 Butadiene	54	5.469	5.442	0.027	86	9568	0.3662	
	12 Bromomethane	94		6.309					
	14 Chloroethane	64		6.593					
	16 Vinyl bromide	106		7.074					
	17 Trichlorofluoromethane	101	7.224	7.192	0.032	94	82485	0.4291	
	23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.465	8.438	0.027	79	8191	0.0681	
	24 1,1-Dichloroethene	96		8.513					
	25 Acetone	43	8.786	8.749	0.038	87	192473	3.54	
	26 Carbon disulfide	76		9.000					
	27 Isopropyl alcohol	45	9.107	9.027	0.080	97	6287771	137.8	E
	29 3-Chloro-1-propene	41		9.407					
	31 Methylene Chloride	49	9.749	9.733	0.016	79	41334	1.09	
	32 2-Methyl-2-propanol	59		9.904					
	33 Methyl tert-butyl ether	73		10.155					
S	41 1,2-Dichloroethene, Total	61		10.200					
	34 trans-1,2-Dichloroethene	61		10.230					
	36 Hexane	57	10.674	10.648	0.026	80	10578	0.2016	
	37 1,1-Dichloroethane	63		11.199					
	39 cis-1,2-Dichloroethene	96		12.376					
	40 2-Butanone (MEK)	72	12.413	12.392	0.021	100	12022	0.5215	
	44 Tetrahydrofuran	42		12.852					
*	43 Chlorobromomethane	128	12.868	12.852	0.016	69	374943	10.0	
	45 Chloroform	83		12.964					
	46 Cyclohexane	84	13.274	13.258	0.016	83	1198701	18.5	
	47 1,1,1-Trichloroethane	97		13.280					
	48 Carbon tetrachloride	117	13.542	13.531	0.011	64	11721	0.0691	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v		Flags
	51	Isooctane		57		13.927					
	50	Benzene		78	13.991	13.986	0.005	93	47324	0.3052	
	52	1,2-Dichloroethane		62		14.141					
	53	n-Heptane		43		14.275					
*	54	1,4-Difluorobenzene		114	14.751	14.746	0.005	93	1779240	10.0	
	56	Trichloroethene		95		15.206					
	58	1,2-Dichloropropane		63		15.730					
	59	Methyl methacrylate		69		15.810					
	60	1,4-Dioxane		88		15.901					
	62	Dichlorobromomethane		83		16.222					
	64	cis-1,3-Dichloropropene		75		17.083					
	65	4-Methyl-2-pentanone (MIBK)		43		17.319					
	66	Toluene		92	17.672	17.661	0.011	94	78068	0.6754	
	70	trans-1,3-Dichloropropene		75		18.191					
	71	1,1,2-Trichloroethane		83		18.560					
	72	Tetrachloroethene		166		18.694					
	73	2-Hexanone		43		18.950					
	74	Chlorodibromomethane		129		19.314					
	75	Ethylene Dibromide		107		19.598					
S	82	Xylenes, Total		106				0		0.1440	7
*	76	Chlorobenzene-d5		117	20.448	20.443	0.005	83	1593871	10.0	
	77	Chlorobenzene		112	20.507	20.496	0.011	49	21319	0.1103	
	78	Ethylbenzene		91	20.619	20.614	0.005	89	34873	0.1291	
	80	m-Xylene & p-Xylene		106	20.833	20.833	0.0	98	11437	0.1050	
	83	o-Xylene		106	21.550	21.545	0.005	46	4010	0.0390	
	84	Styrene		104	21.588	21.582	0.006	96	64689	0.4241	
	85	Bromoform		173		21.962					
$	87	4-Bromofluorobenzene		95	22.444	22.444	0.0	97	1080671	NC	
	88	1,1,2,2-Tetrachloroethane		83		22.668					
	90	N-Propylbenzene		91		22.743					
	91	4-Ethyltoluene		105	22.872	22.909	-0.037	89	17630	0.0501	
	92	2-Chlorotoluene		91	22.743	22.941	-0.198	6	15726	0.0511	
	94	1,3,5-Trimethylbenzene		105	22.872	23.000	-0.128	77	17630	0.0541	
	96	tert-Butylbenzene		119		23.476					
	97	1,2,4-Trimethylbenzene		105	23.572	23.573	-0.001	76	12934	0.0416	
	98	sec-Butylbenzene		105	23.931	23.808	0.123	39	38333	0.0895	
	99	4-Isopropyltoluene		119		24.011					
	100	1,3-Dichlorobenzene		146		24.081					
	101	1,4-Dichlorobenzene		146		24.225					
	102	Benzyl chloride		91		24.434					
	103	n-Butylbenzene		91		24.653					
	105	1,2-Dichlorobenzene		146		24.830					
	107	1,2,4-Trichlorobenzene		180		27.724					
	108	Hexachlorobutadiene		225		27.927					
	109	Naphthalene		128		28.312					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

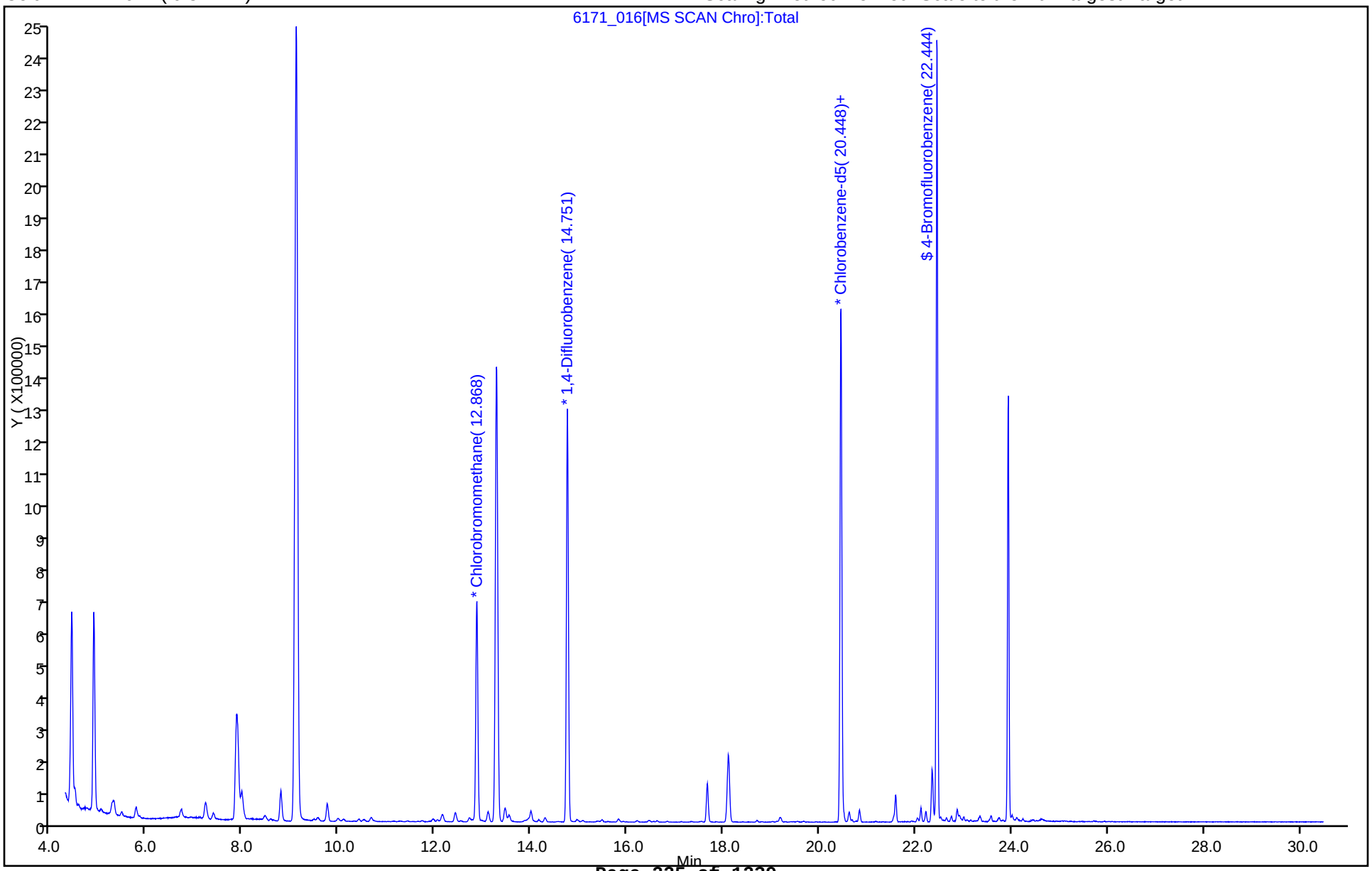
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3	Worklist Smp#:	16
Client ID:	IA-VMP-2B				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



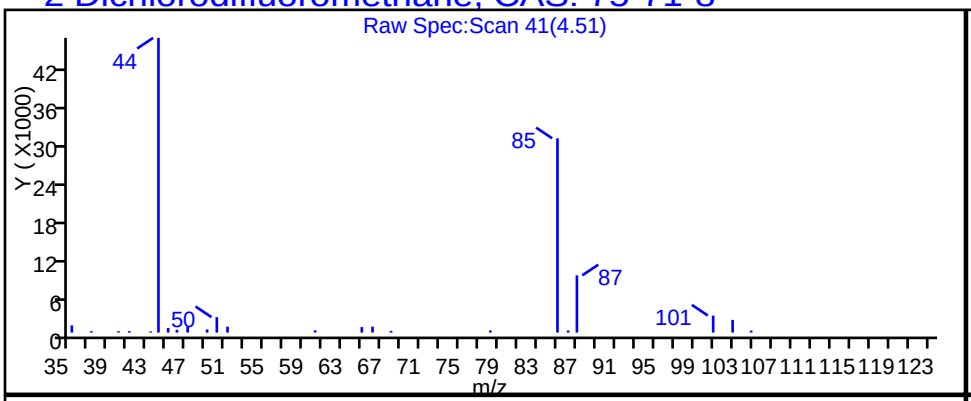
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

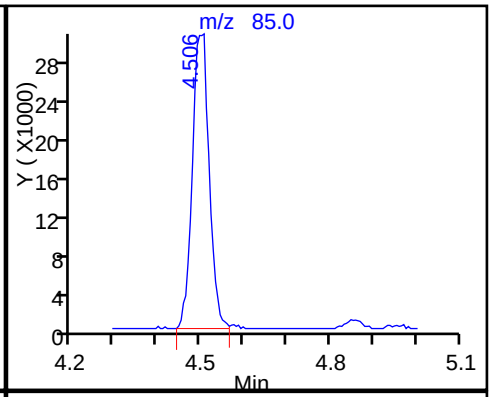
TestAmerica Burlington

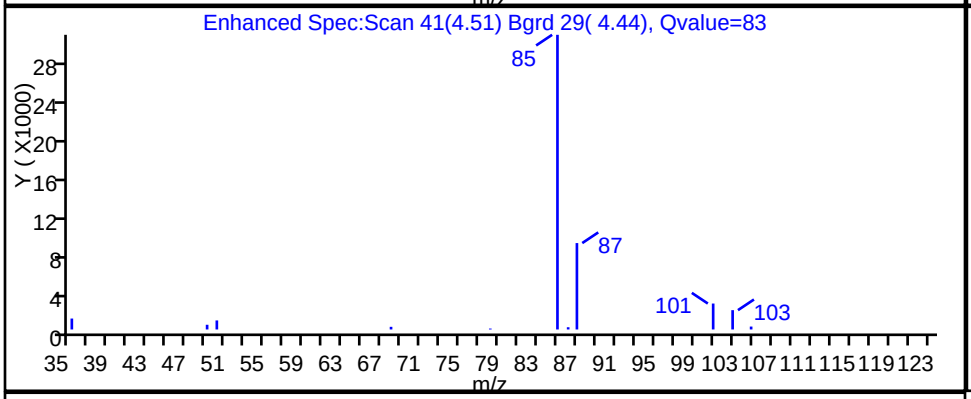
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

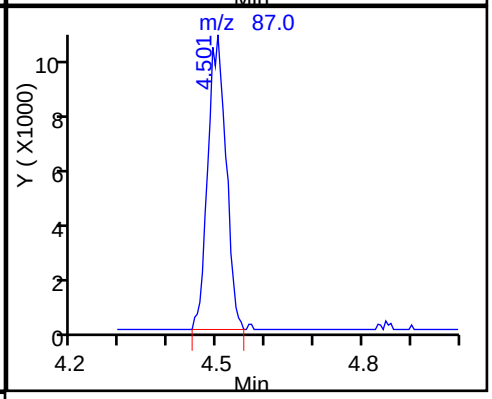
Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

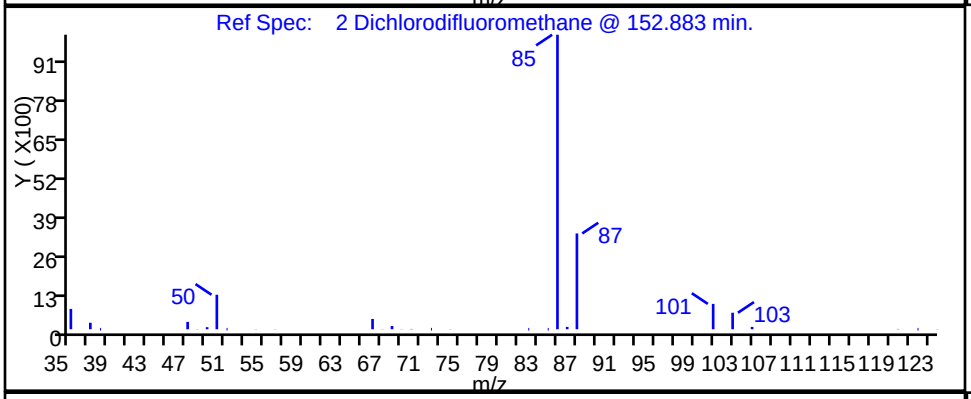
2 Dichlorodifluoromethane, CAS: 75-71-8

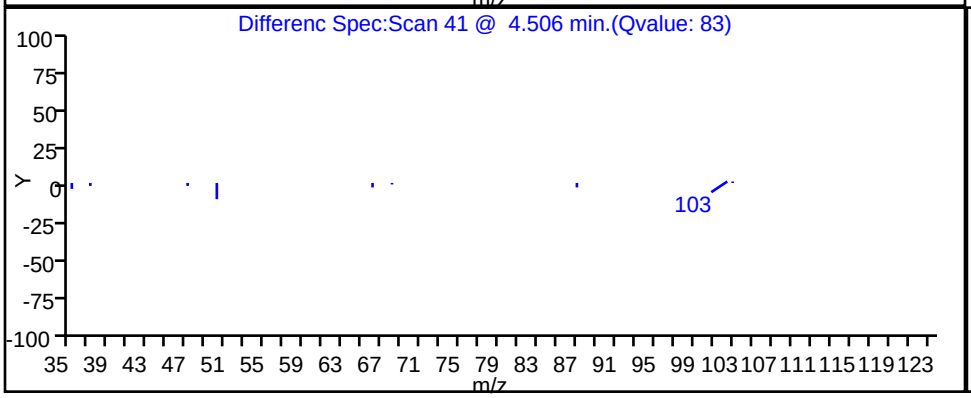


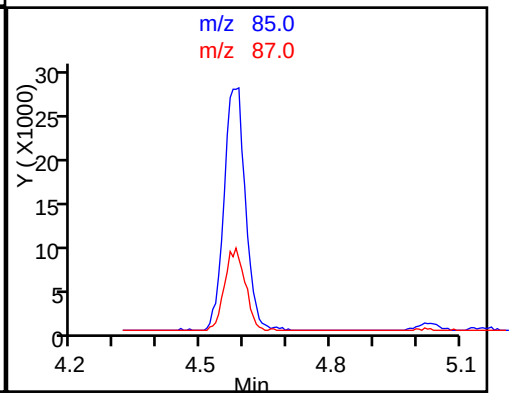












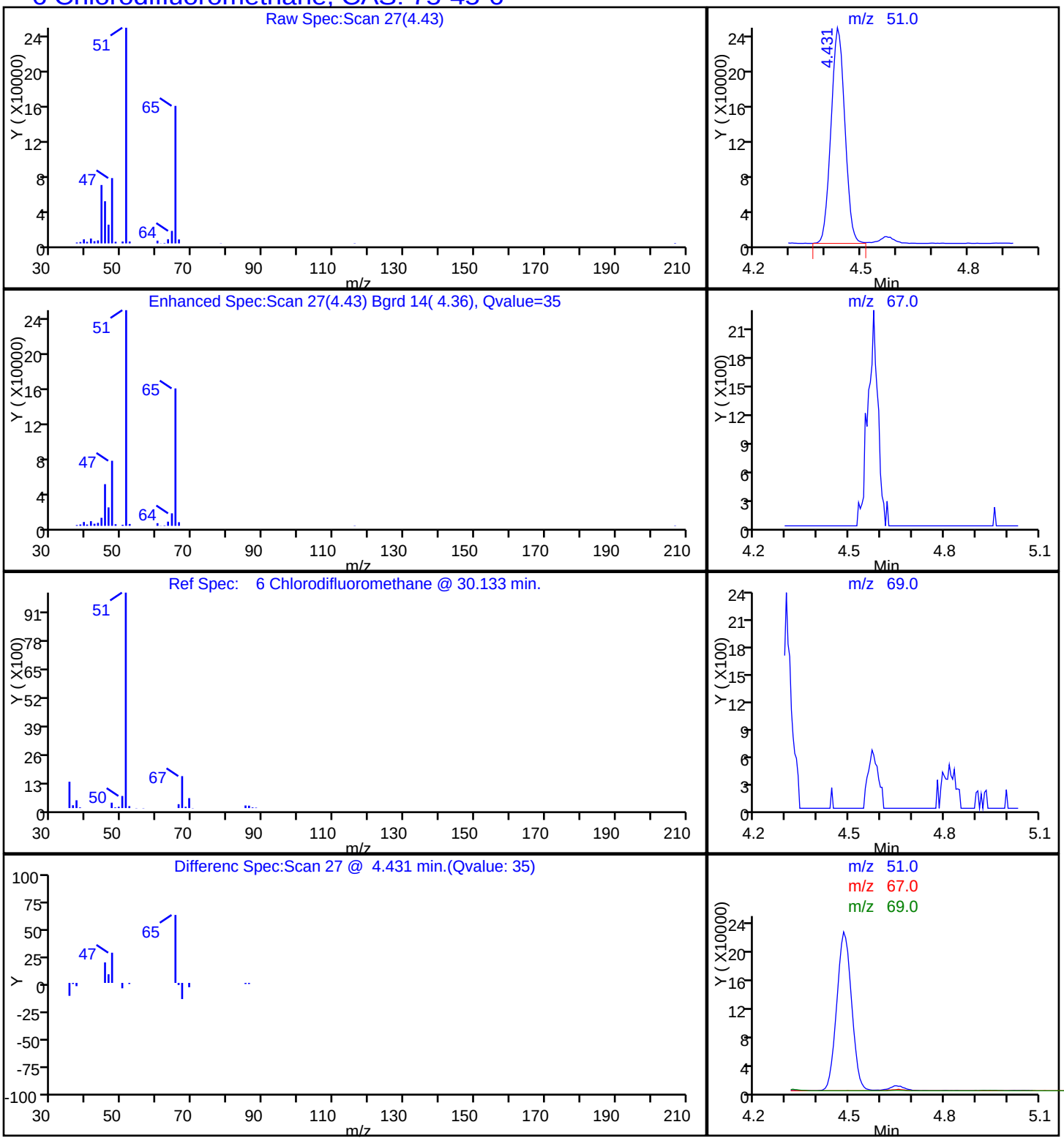
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



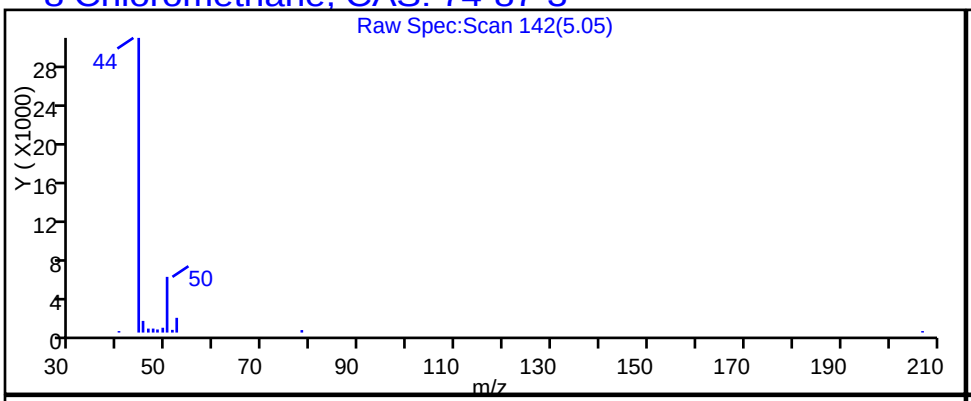
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

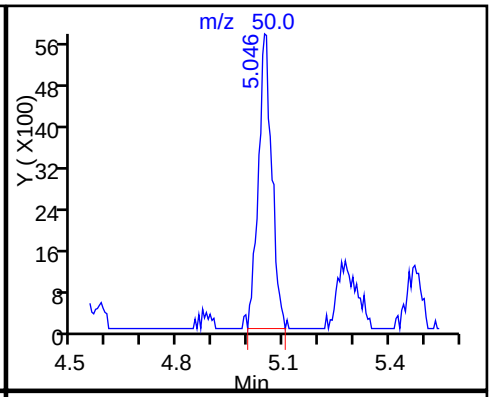
TestAmerica Burlington

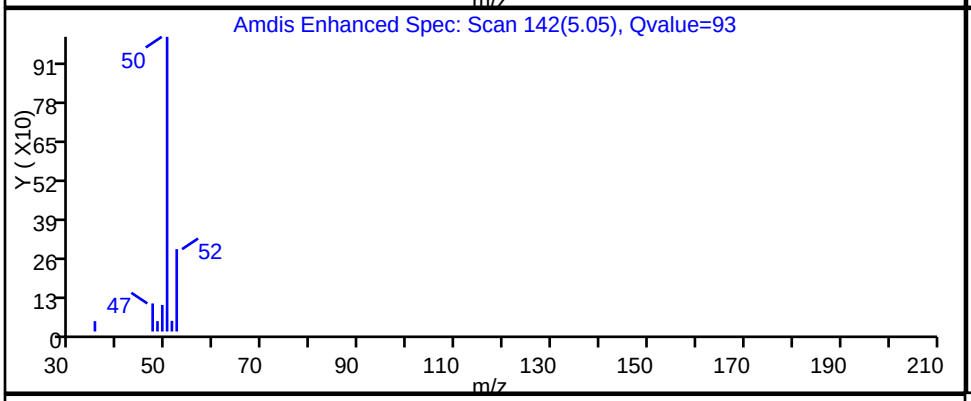
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

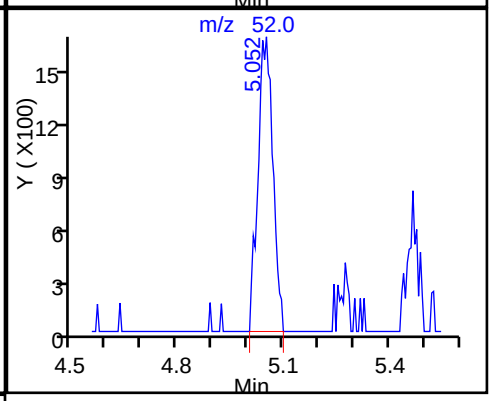
Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

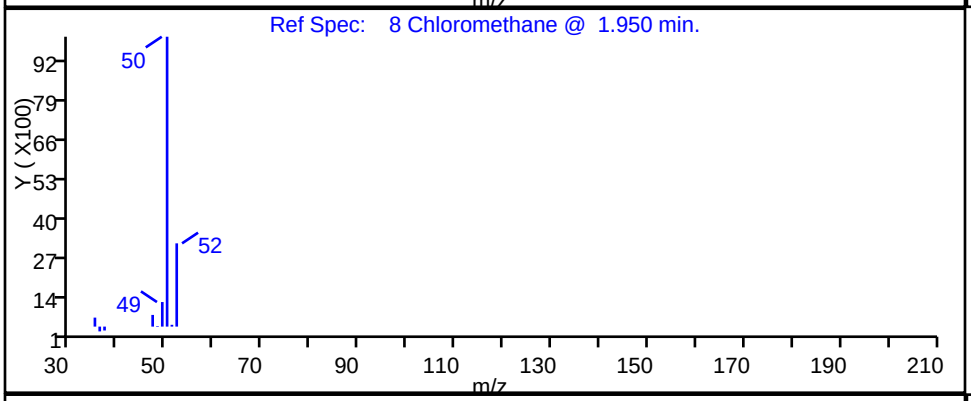
8 Chloromethane, CAS: 74-87-3

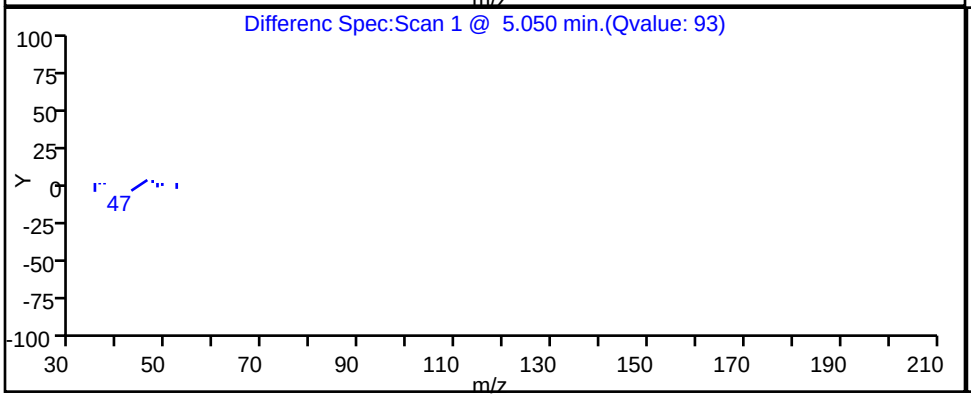


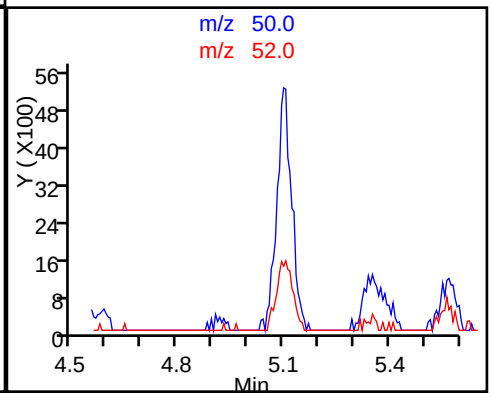












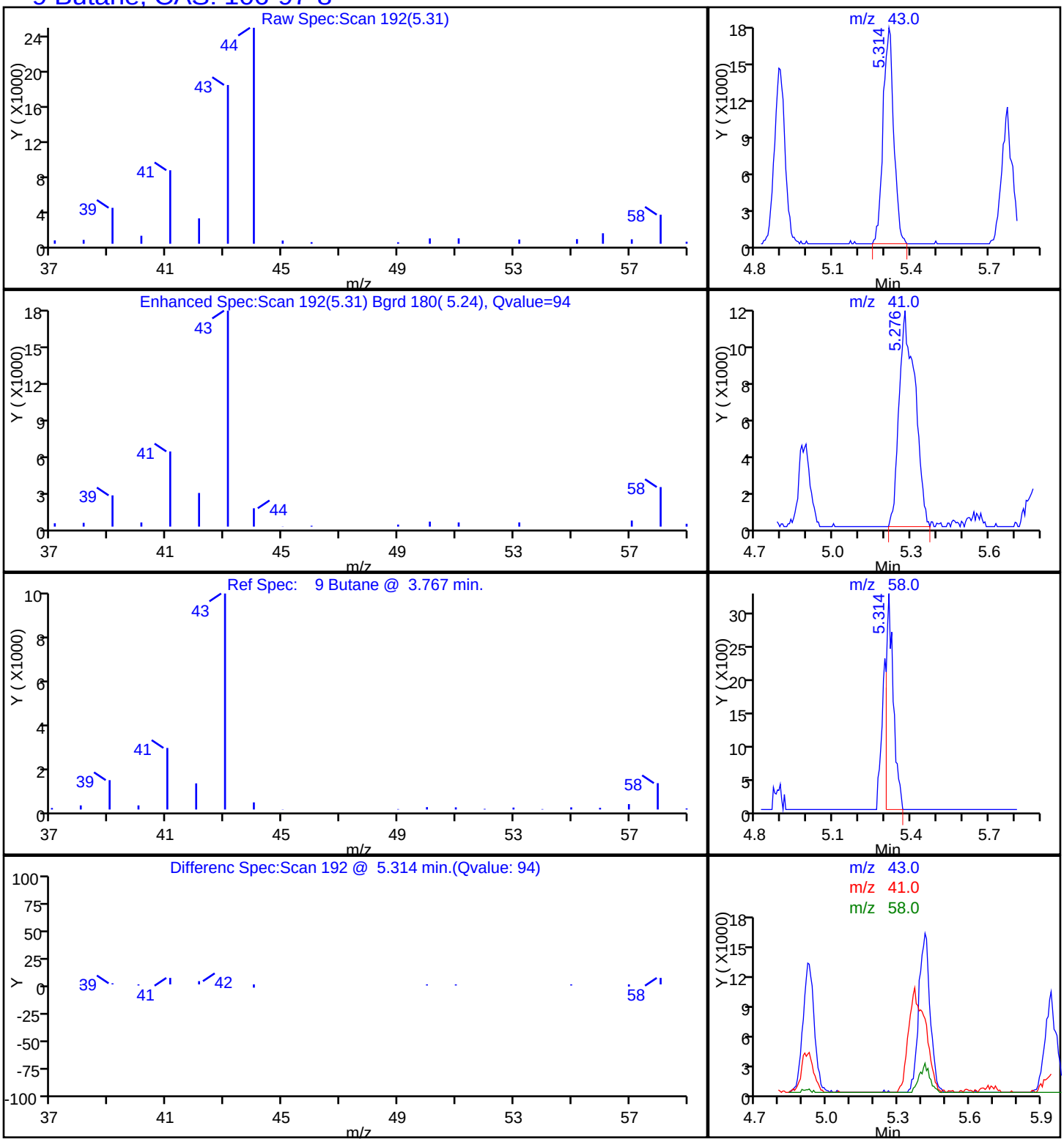
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



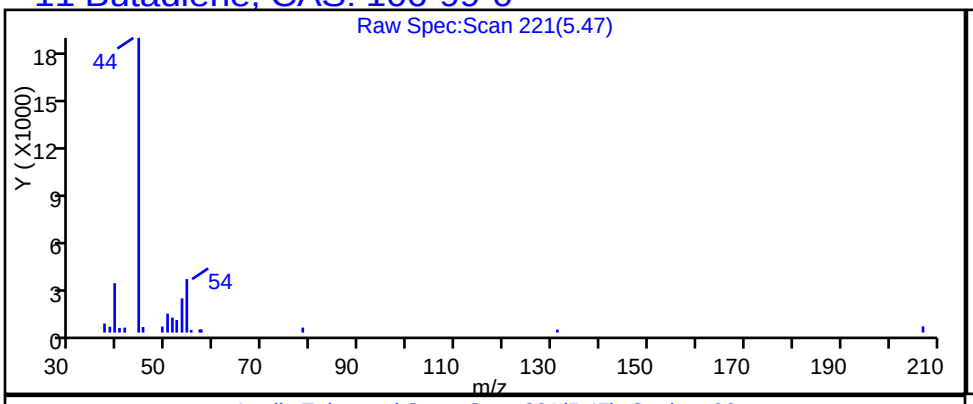
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

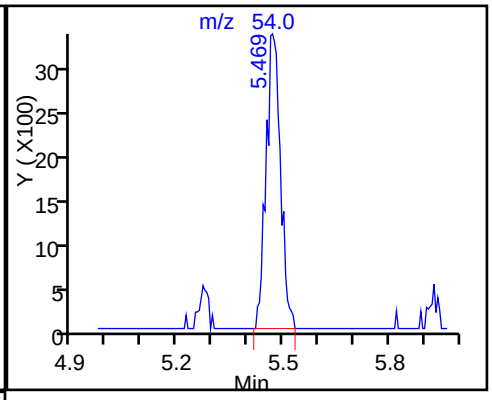
TestAmerica Burlington

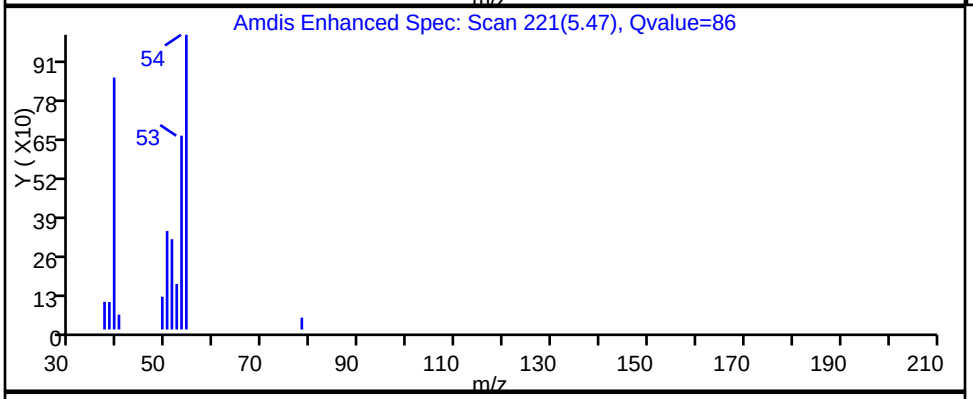
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

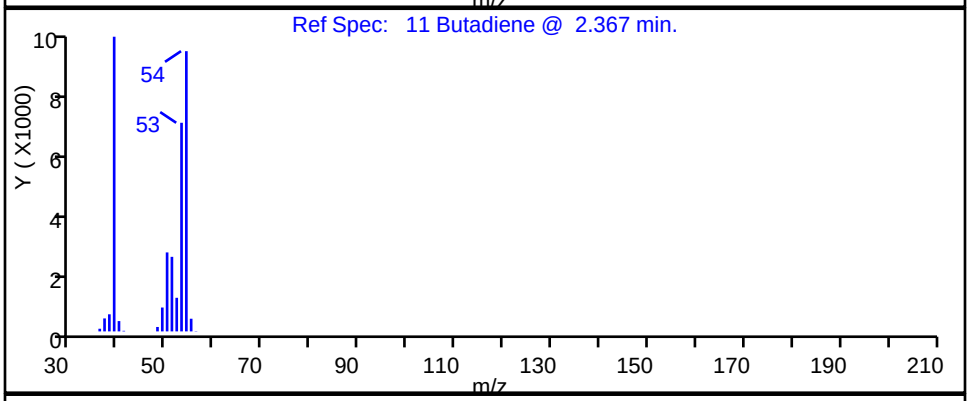
Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

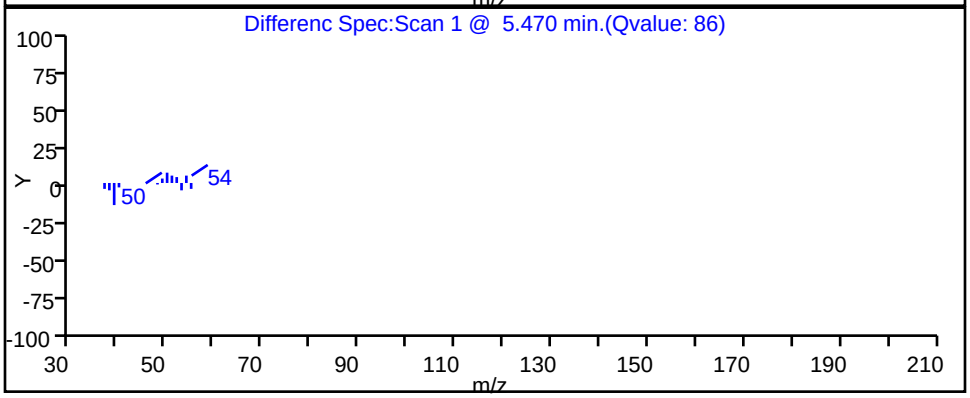
11 Butadiene, CAS: 106-99-0











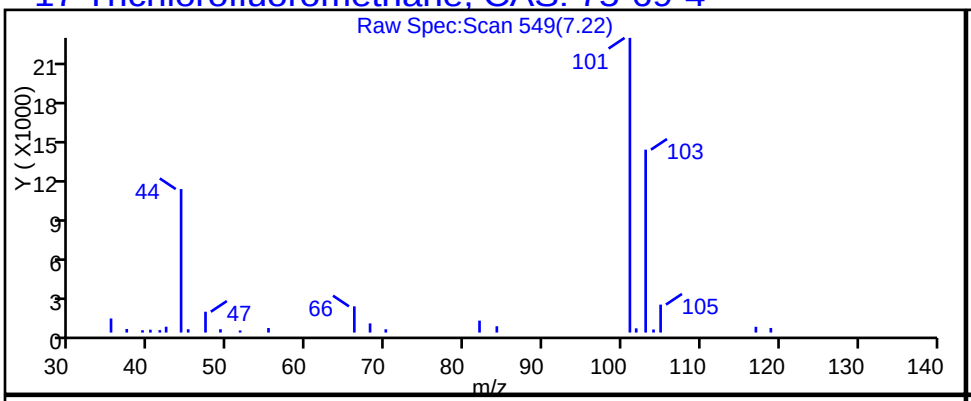
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

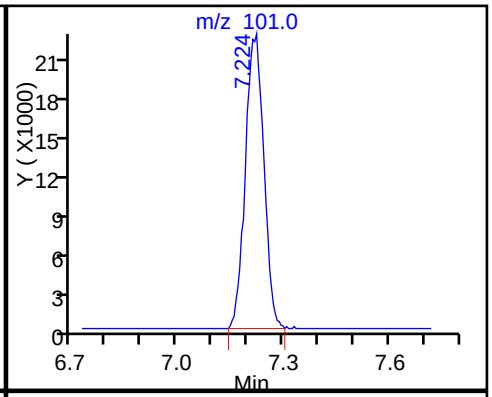
TestAmerica Burlington

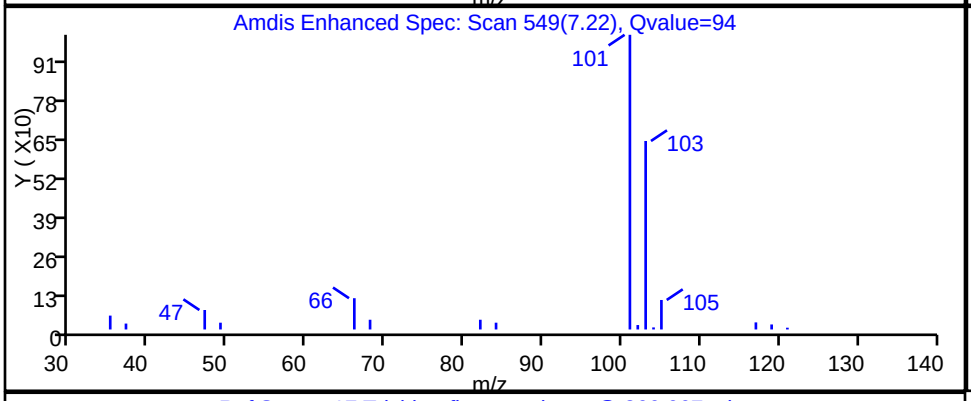
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

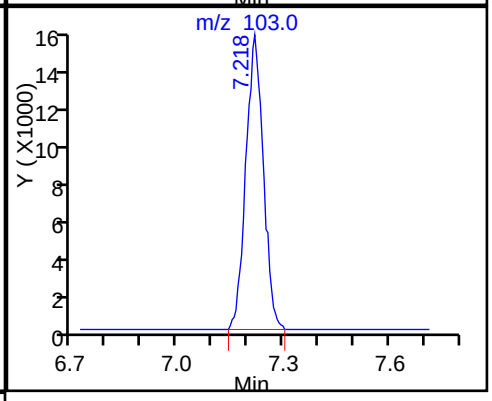
Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

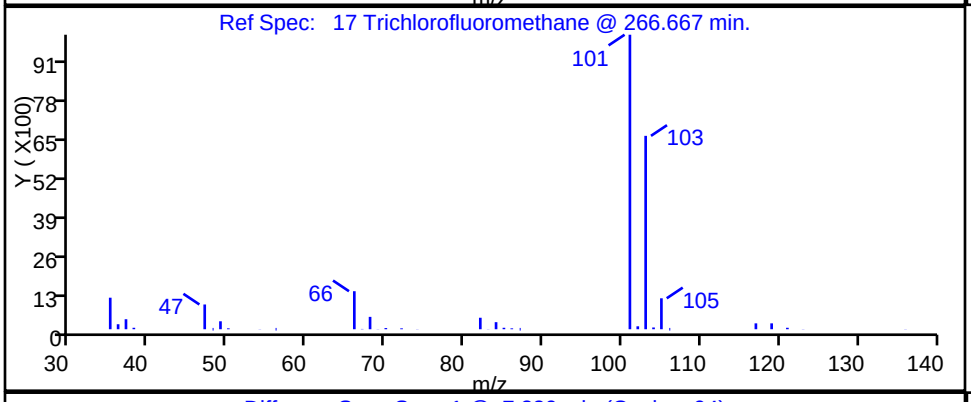
17 Trichlorofluoromethane, CAS: 75-69-4

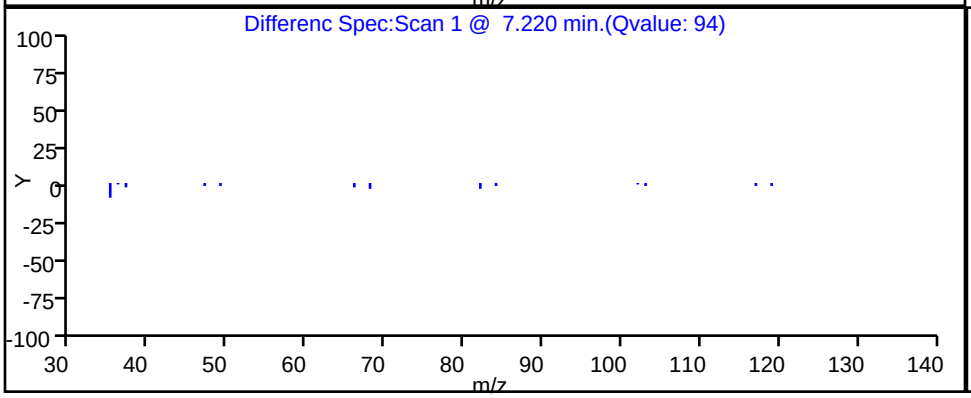


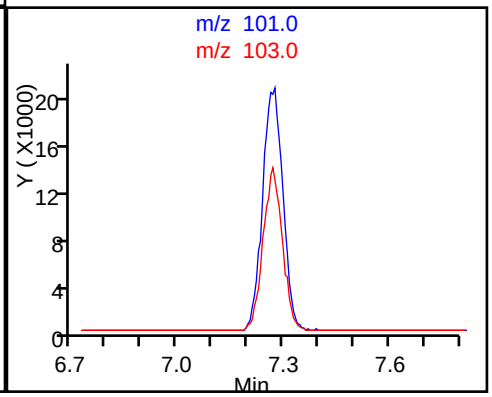












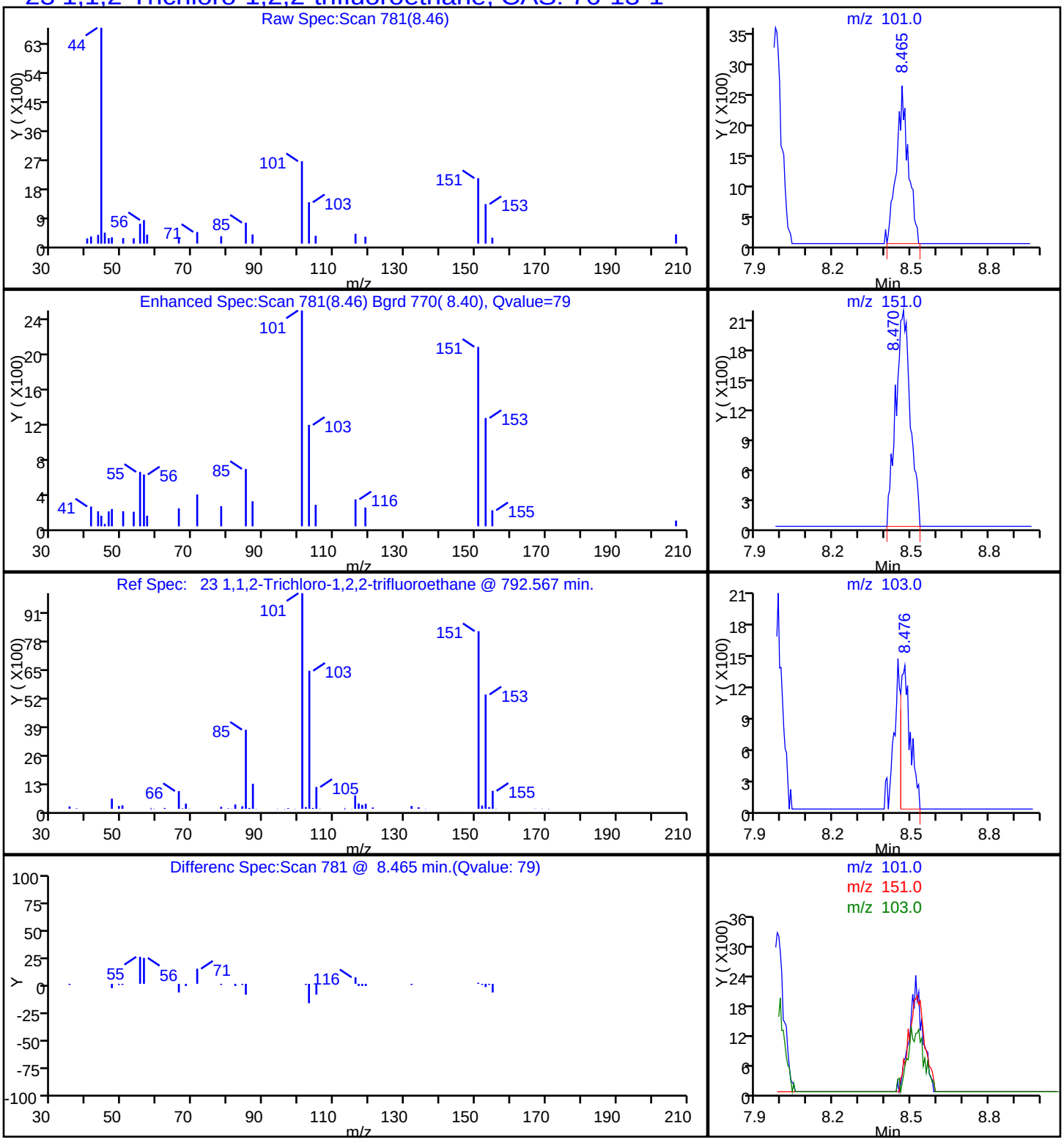
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



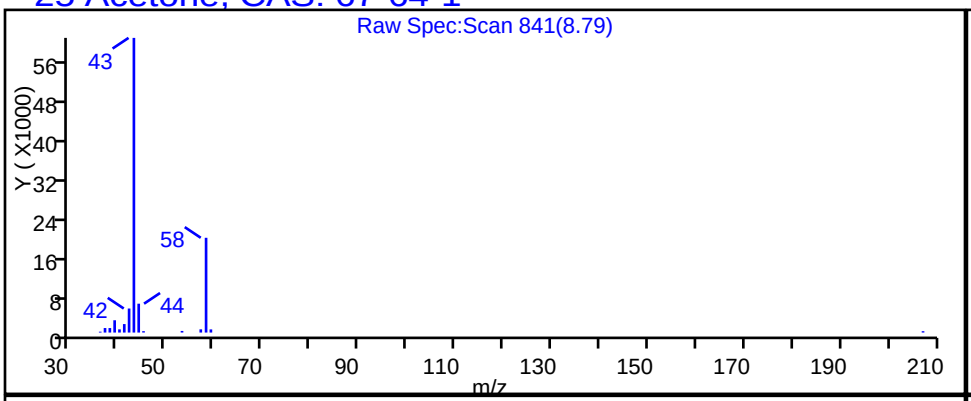
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

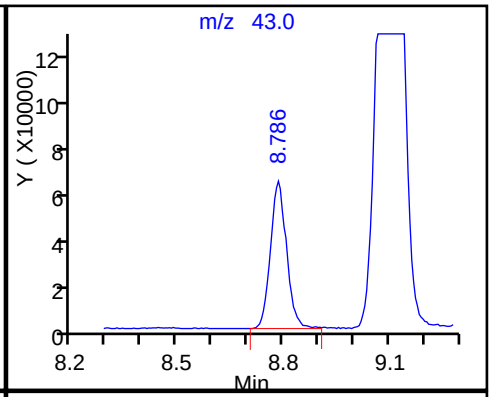
TestAmerica Burlington

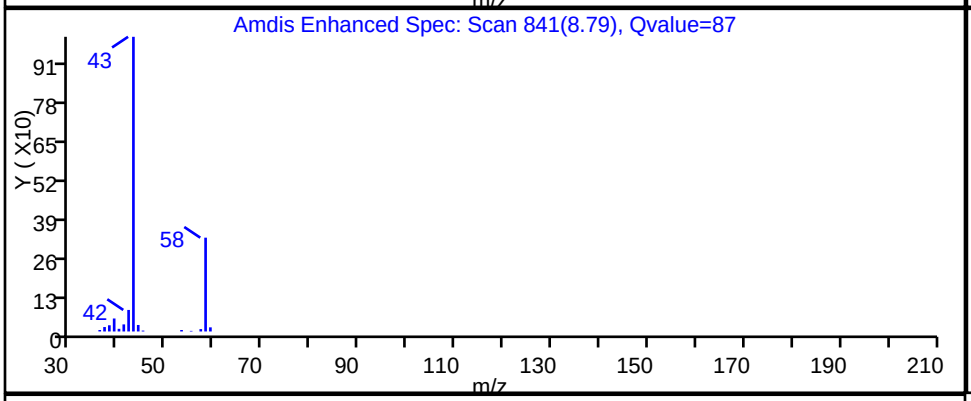
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

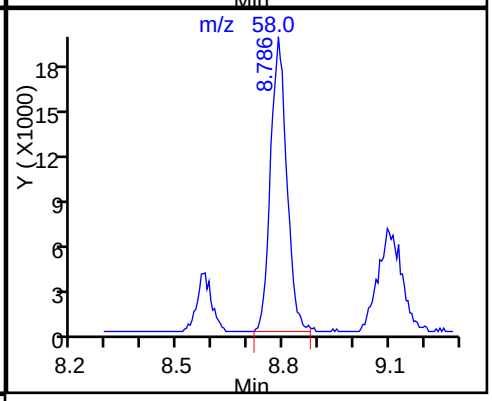
Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

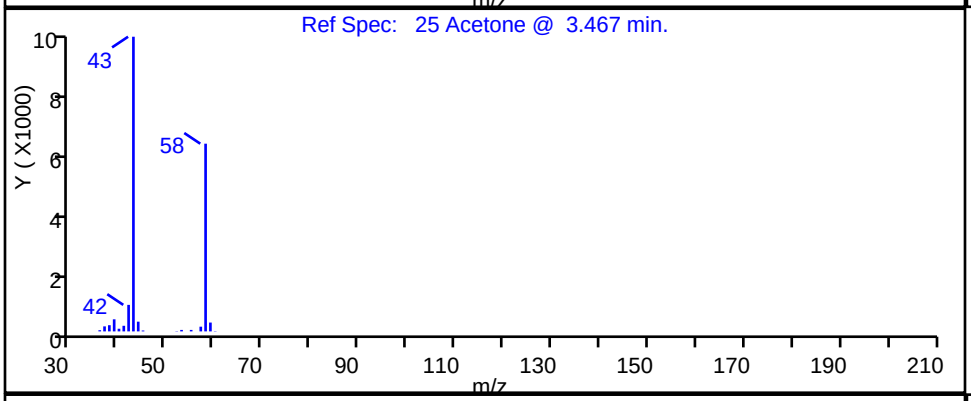
25 Acetone, CAS: 67-64-1

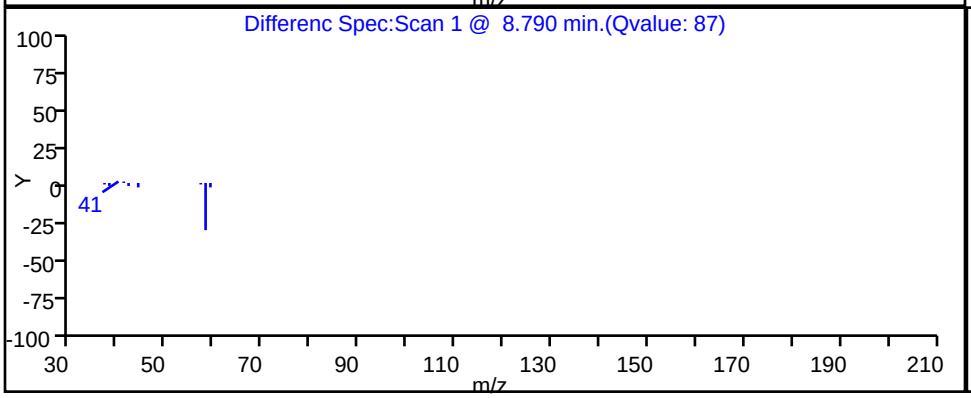


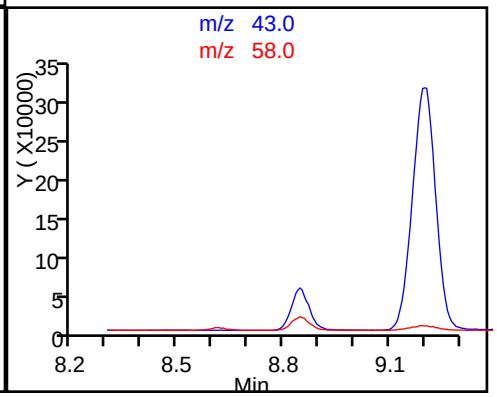












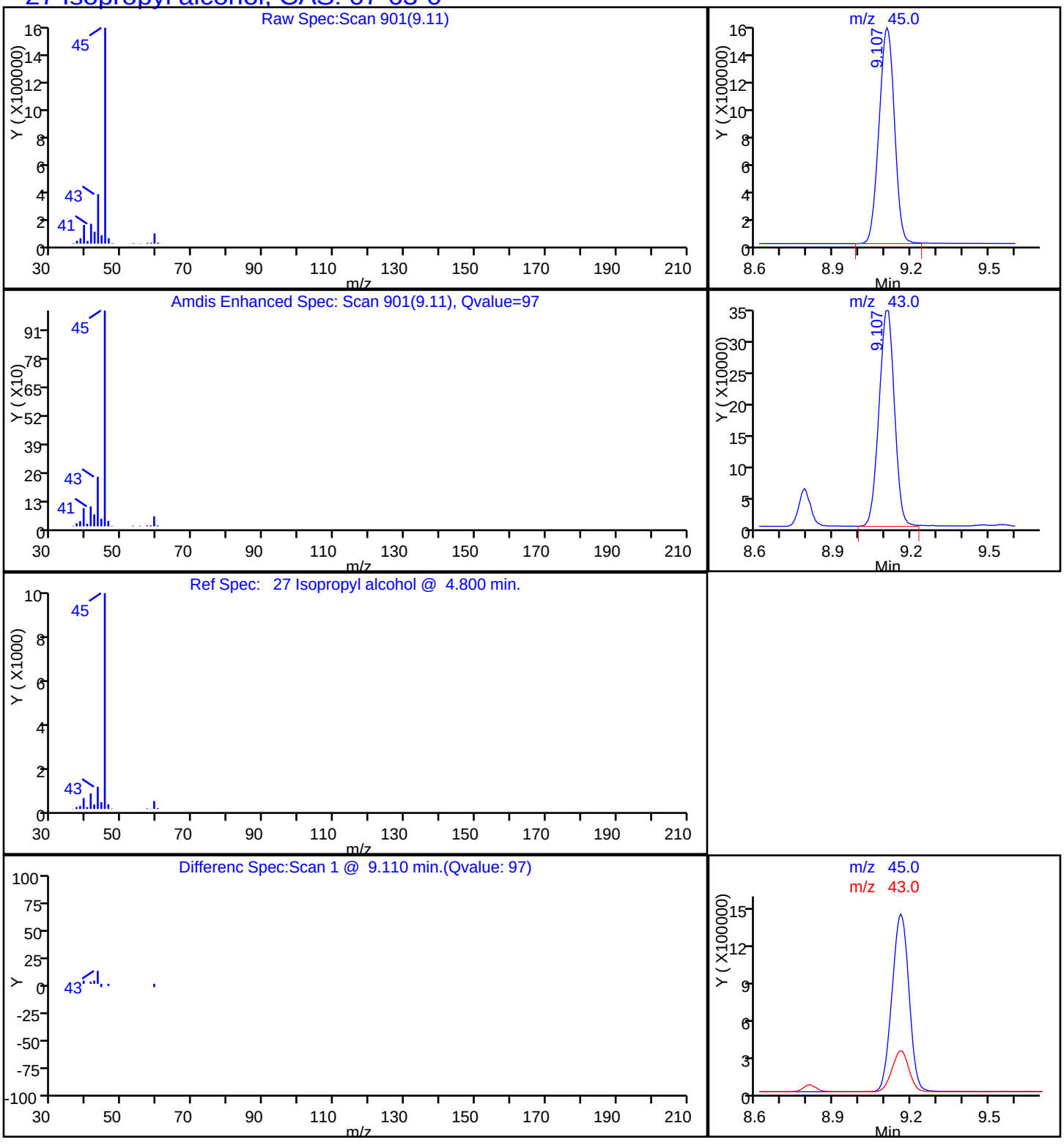
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



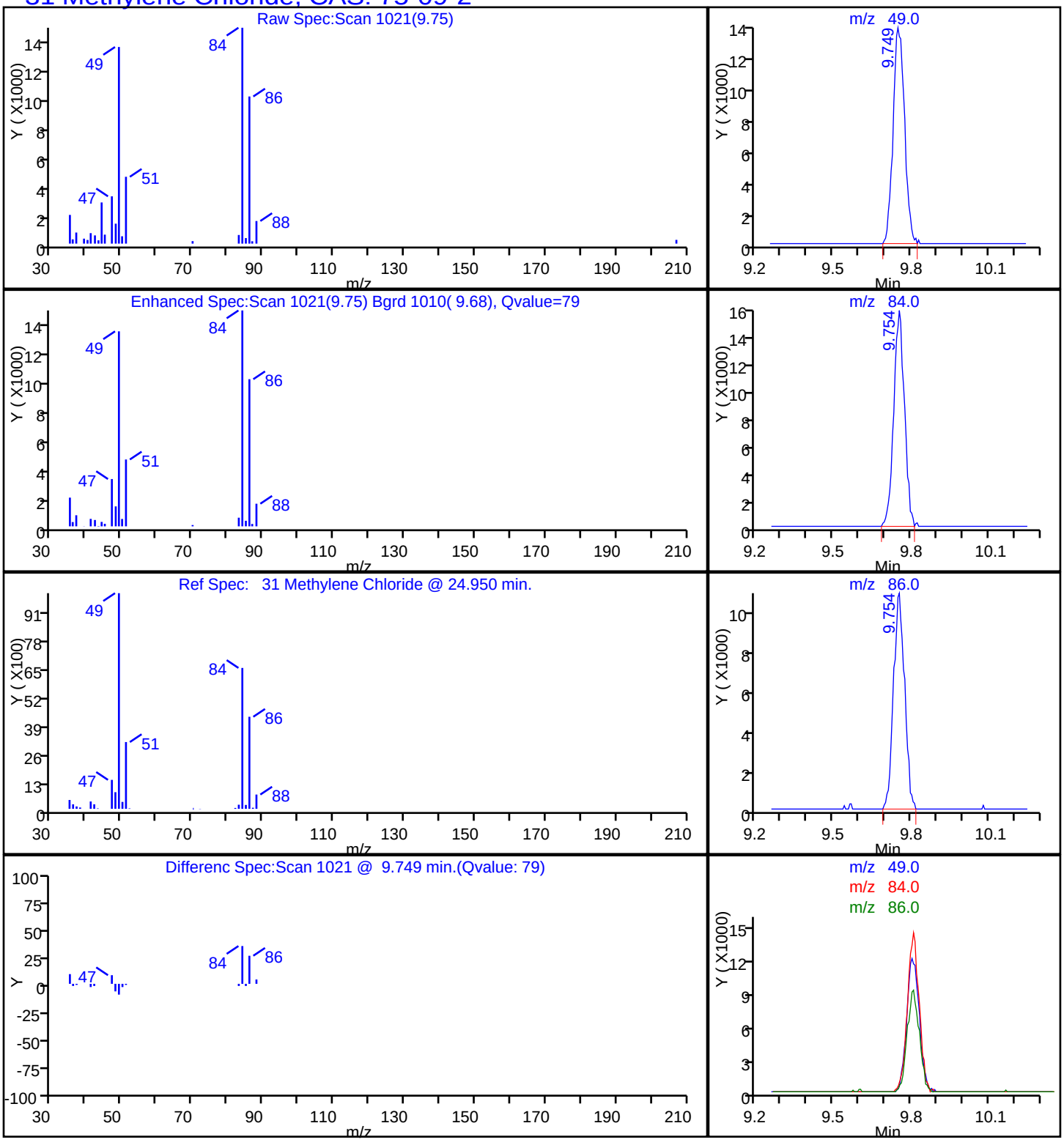
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



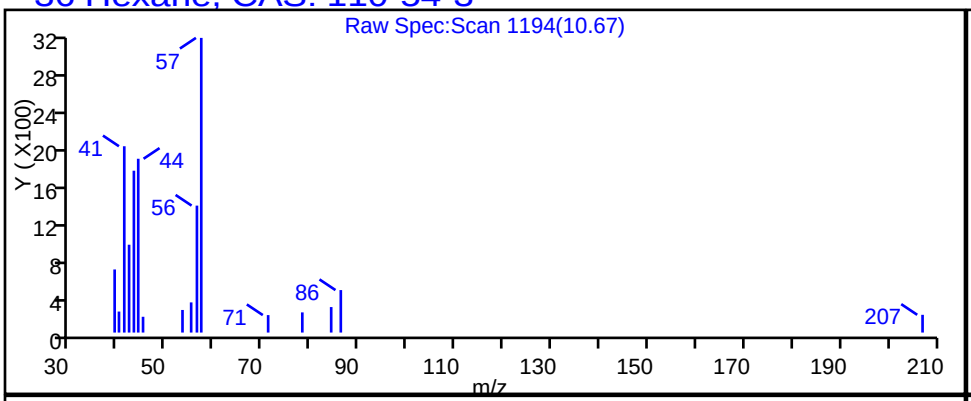
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

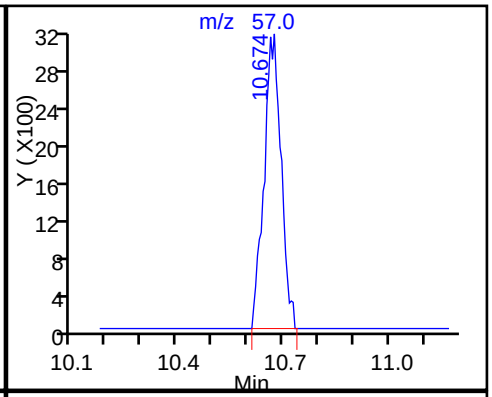
TestAmerica Burlington

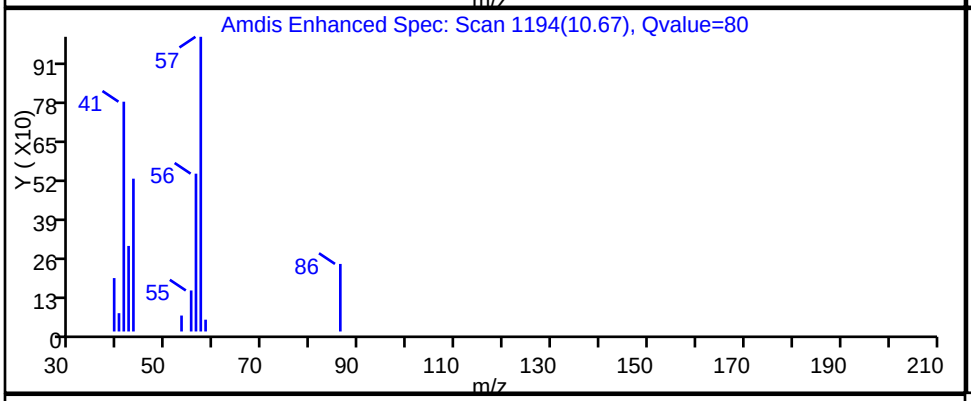
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

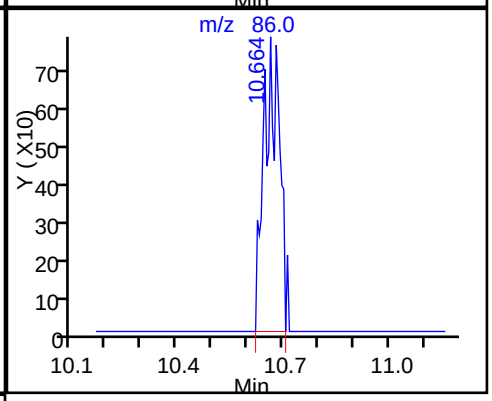
Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

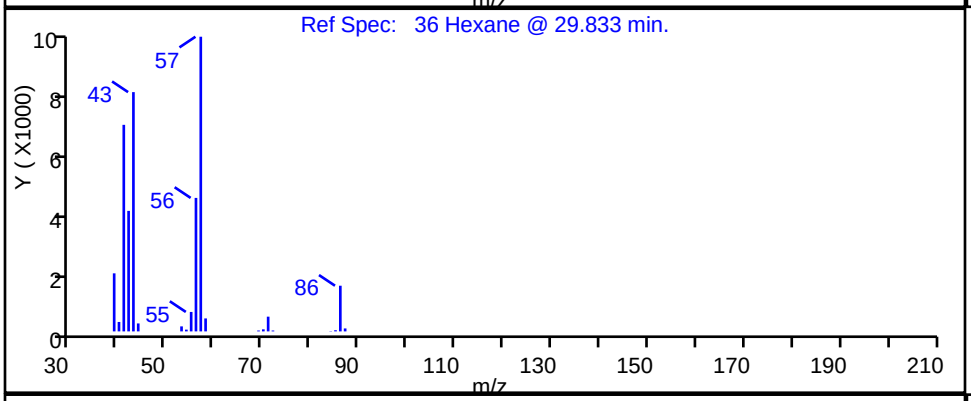
36 Hexane, CAS: 110-54-3

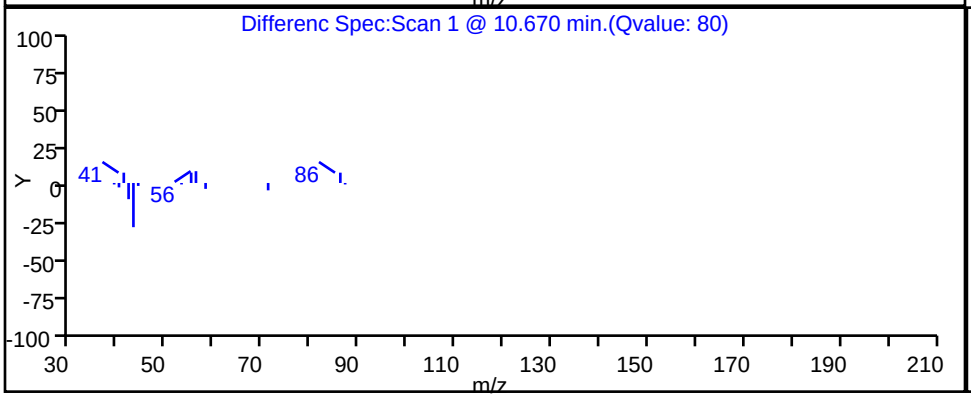


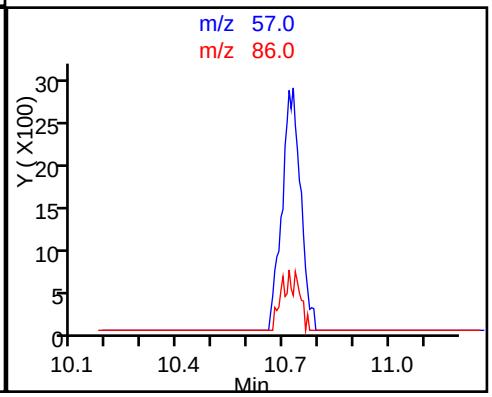












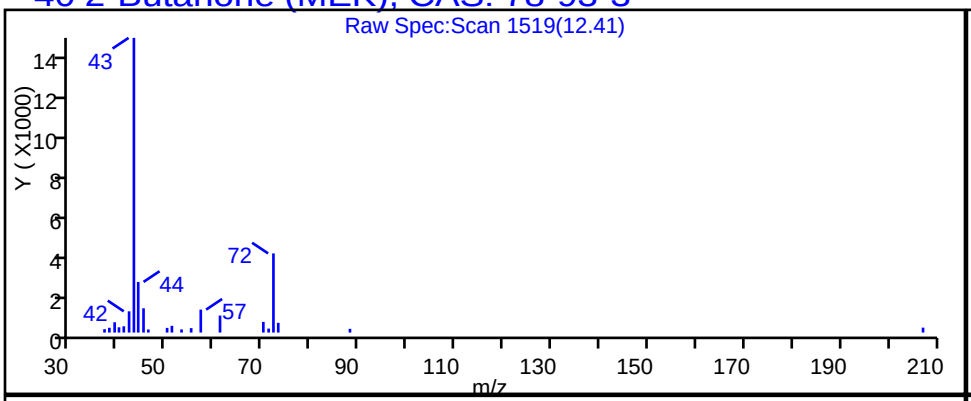
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

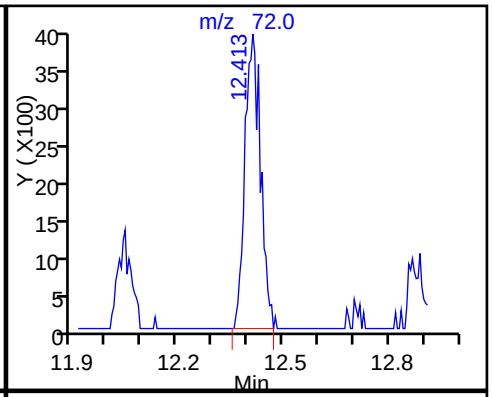
TestAmerica Burlington

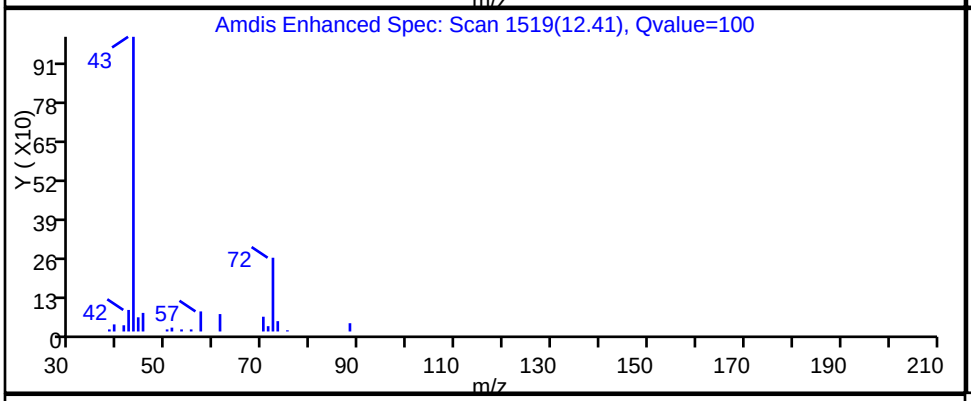
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

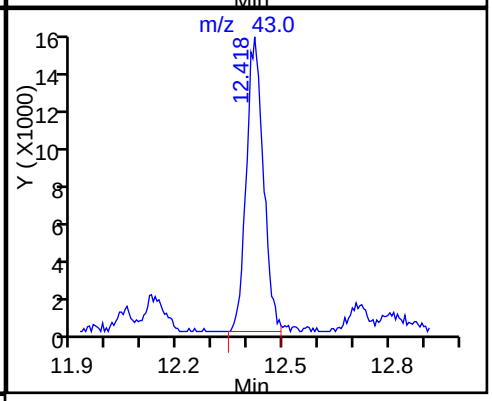
Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

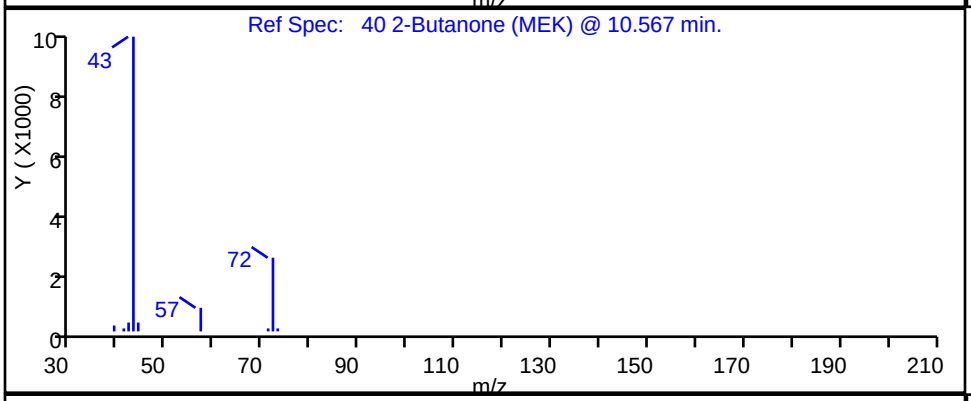
40 2-Butanone (MEK), CAS: 78-93-3

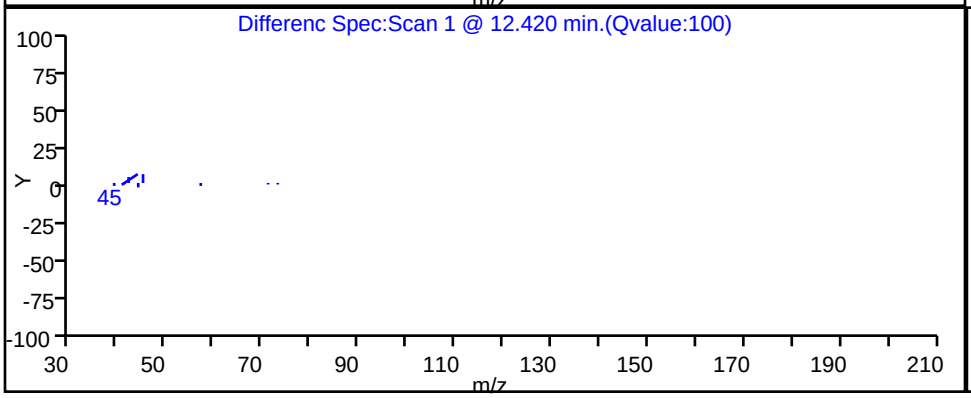


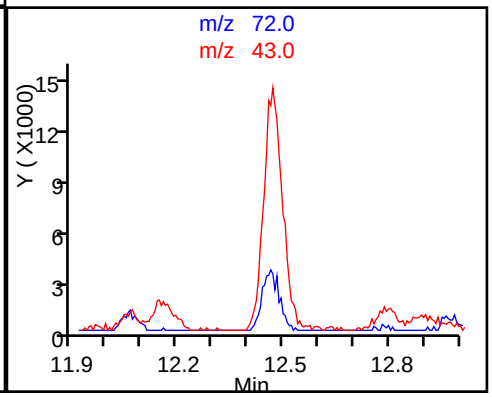












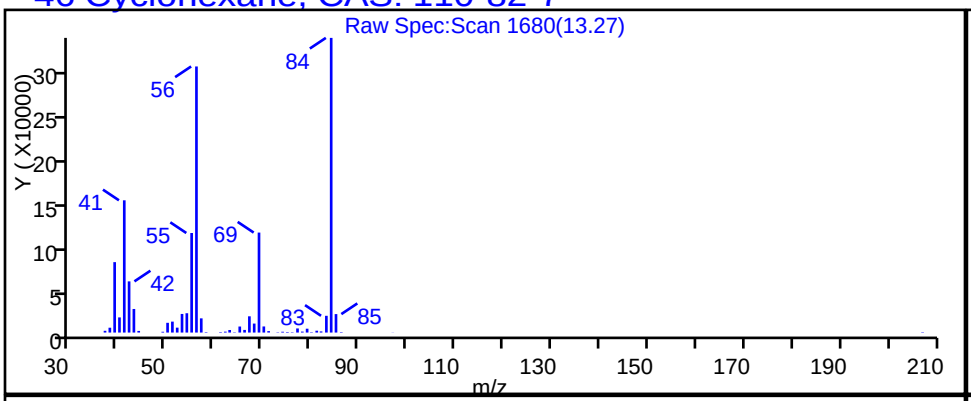
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

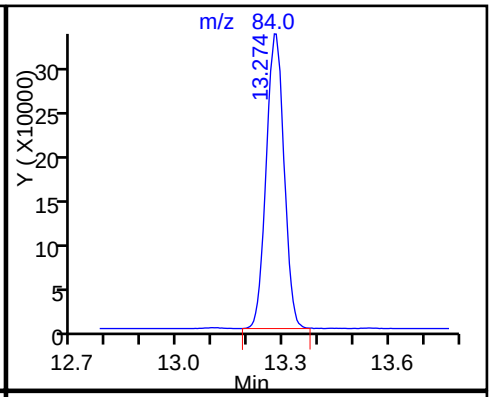
TestAmerica Burlington

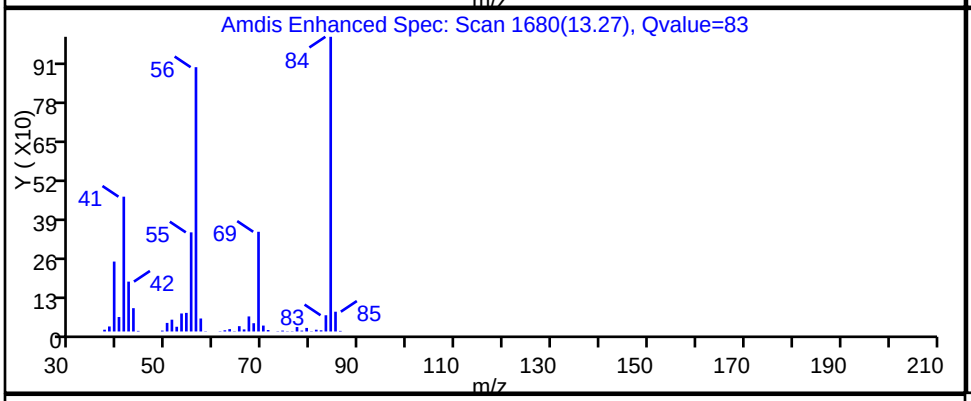
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

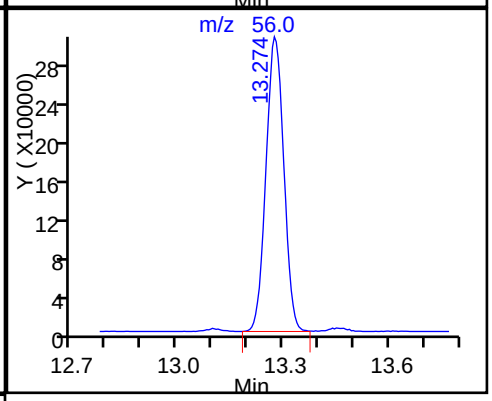
Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

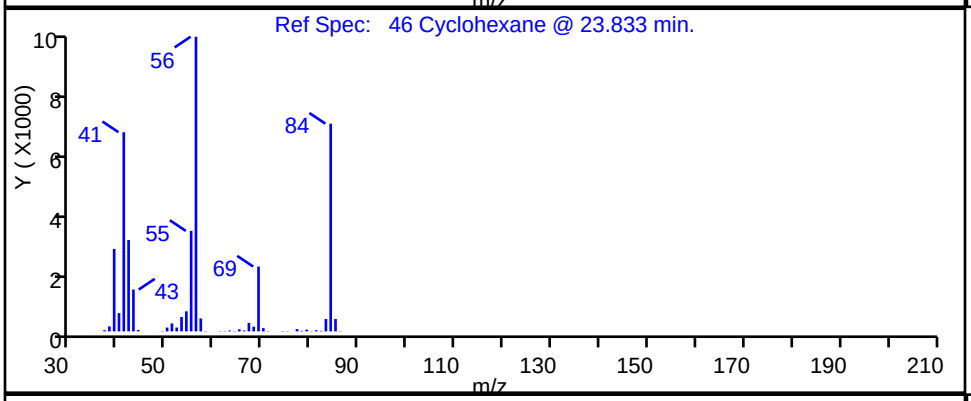
46 Cyclohexane, CAS: 110-82-7

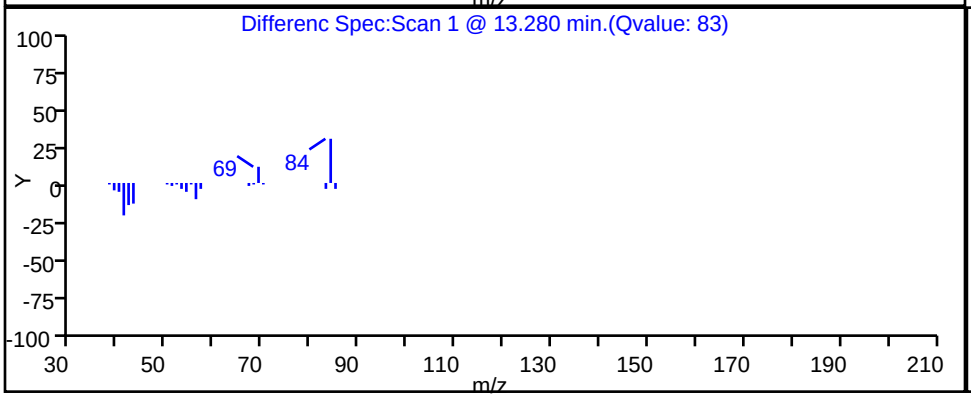


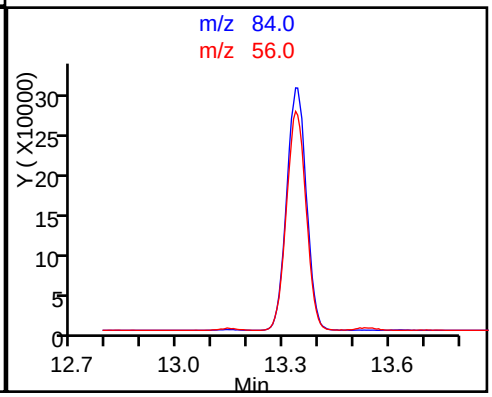












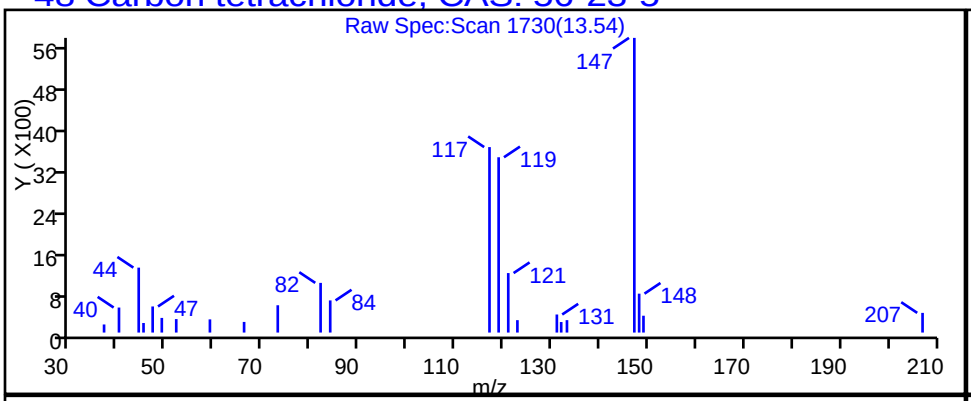
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

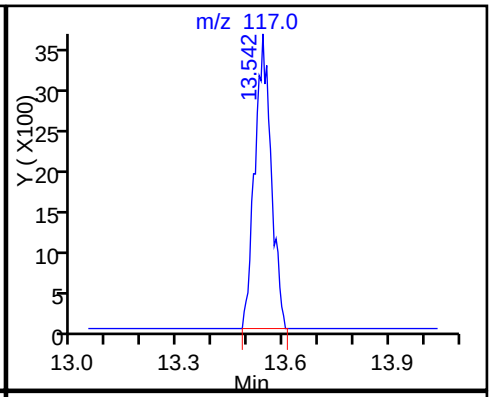
TestAmerica Burlington

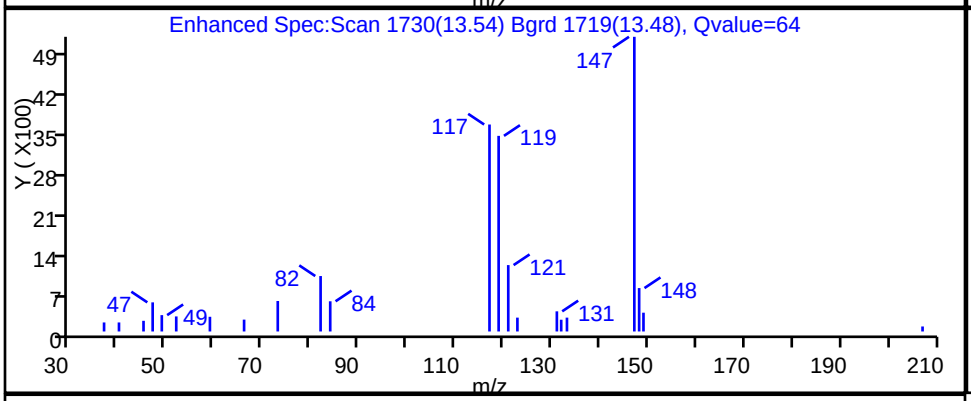
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

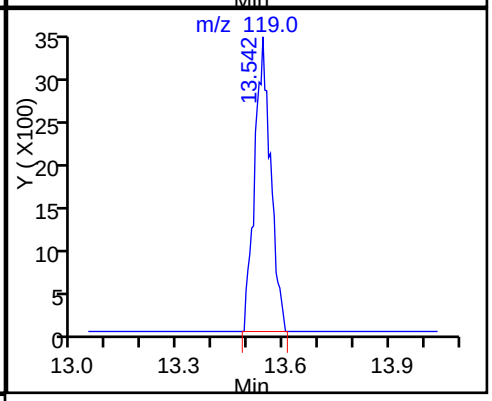
Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

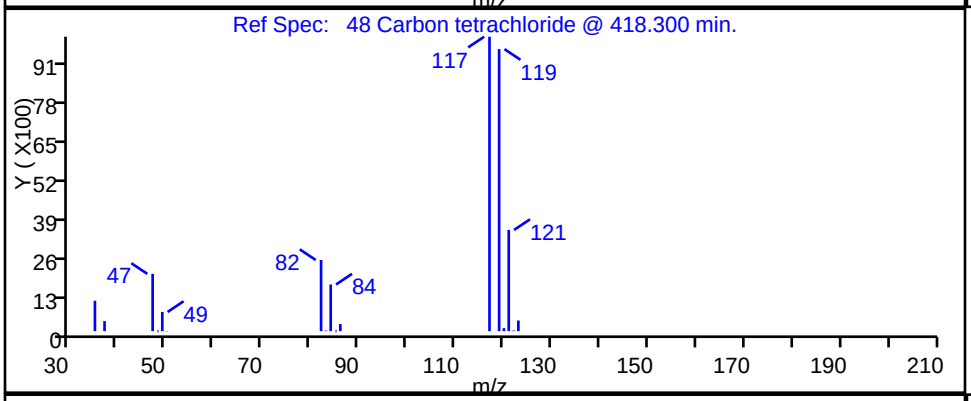
48 Carbon tetrachloride, CAS: 56-23-5

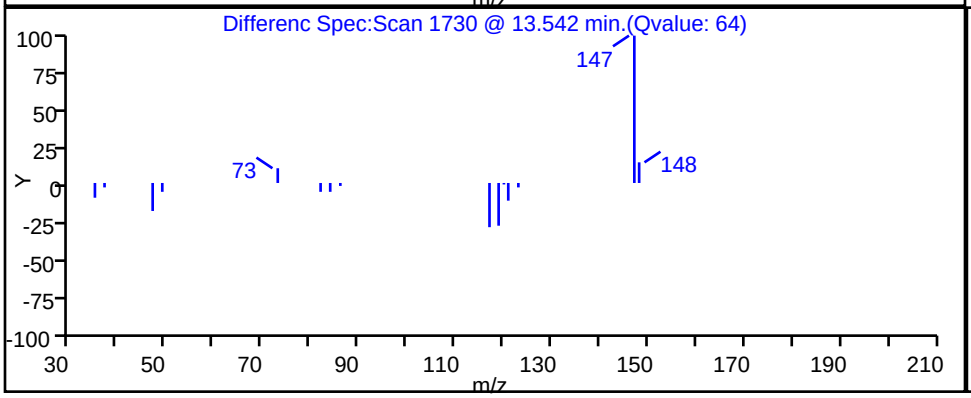


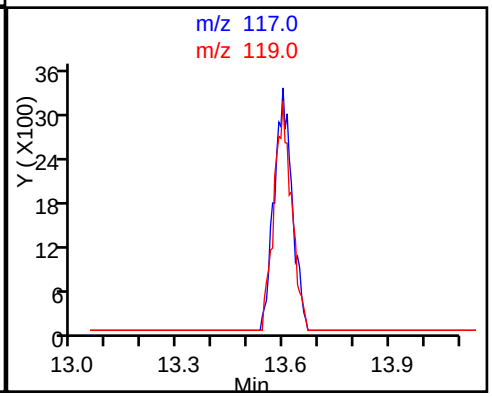












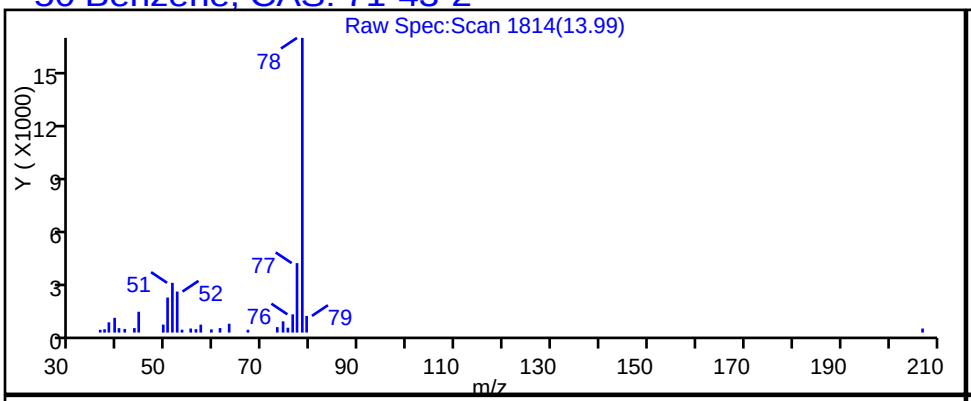
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

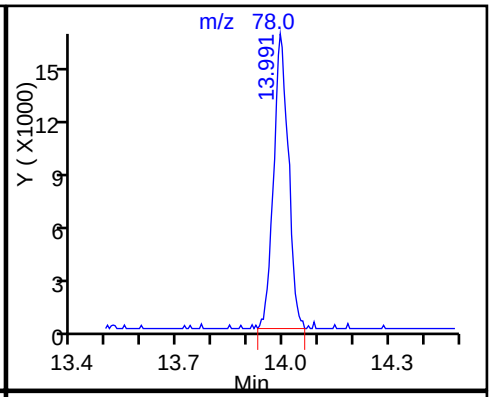
TestAmerica Burlington

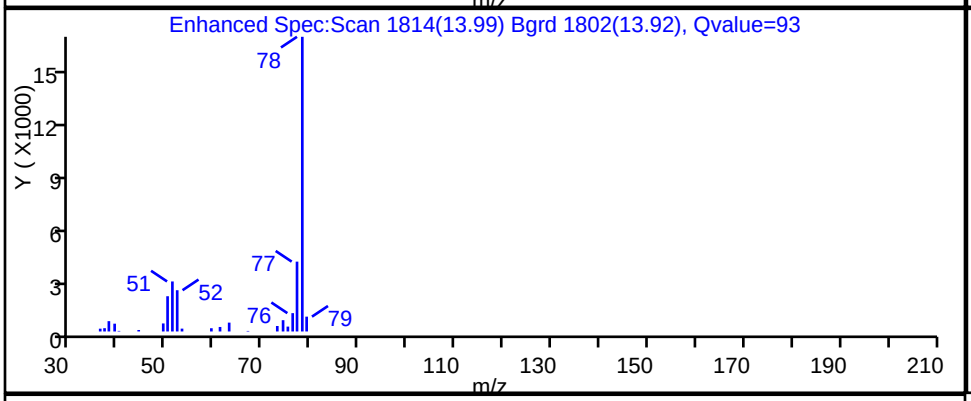
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

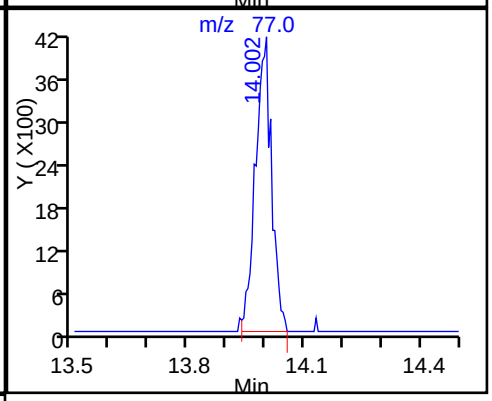
Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

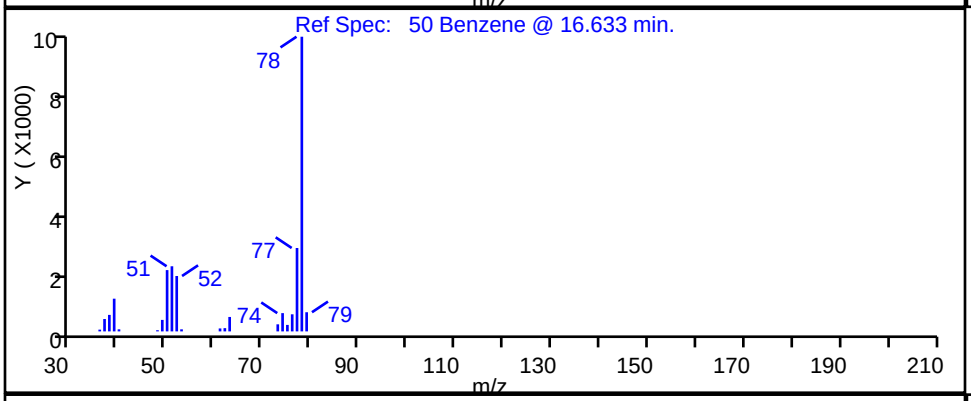
50 Benzene, CAS: 71-43-2

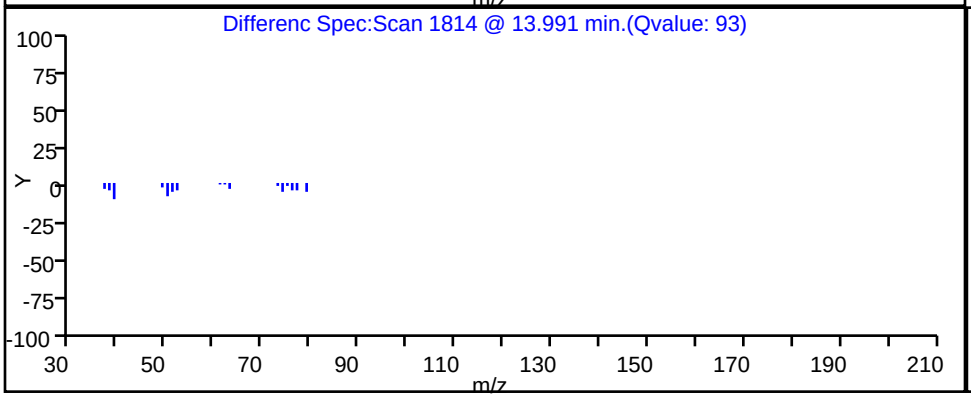


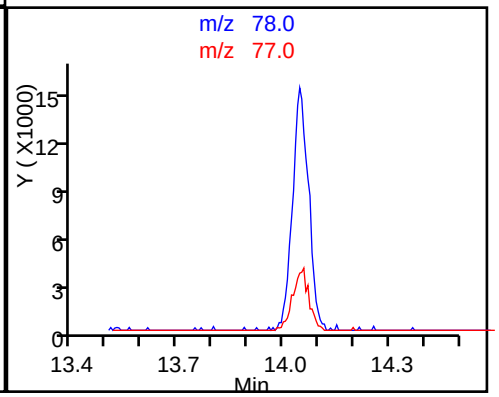












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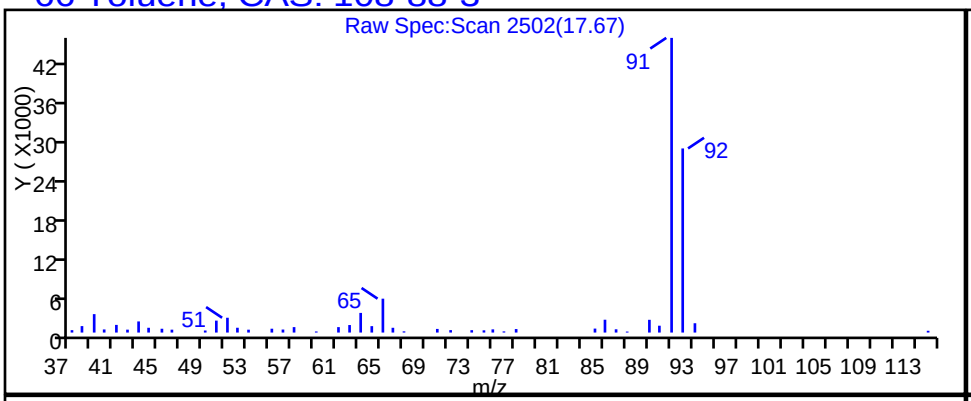
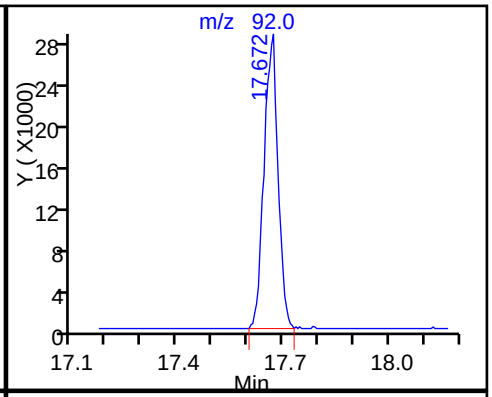
TestAmerica Burlington

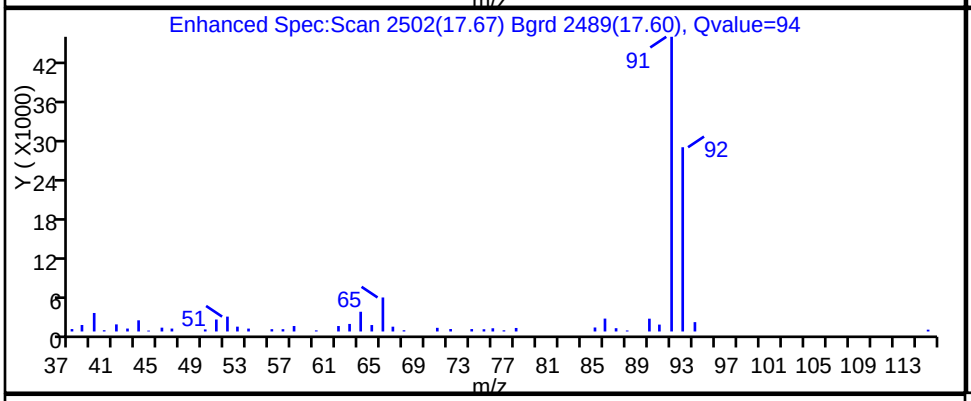
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

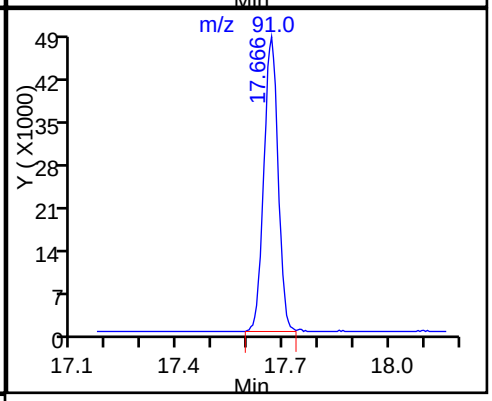
Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

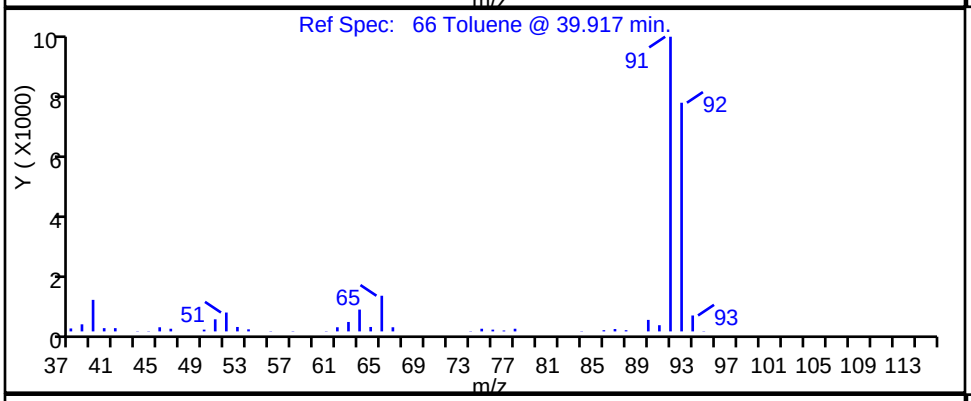
66 Toluene, CAS: 108-88-3

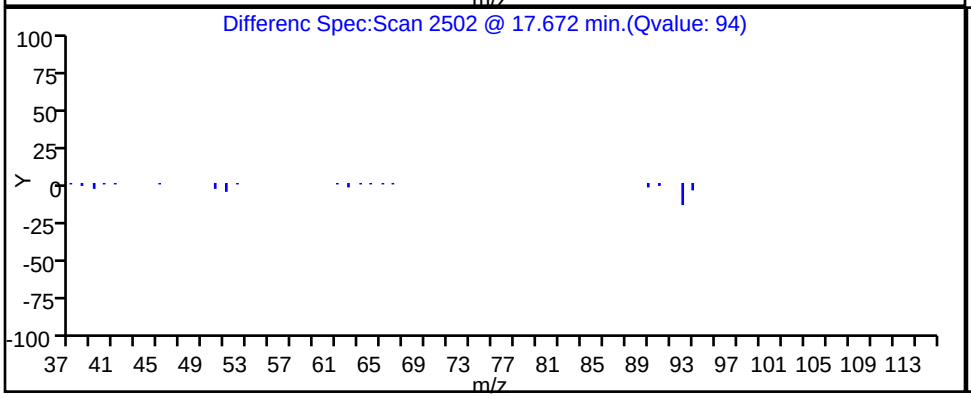


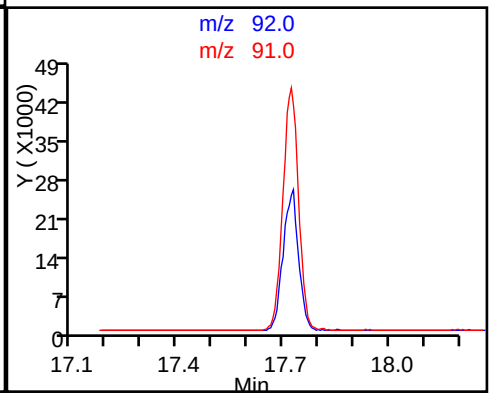












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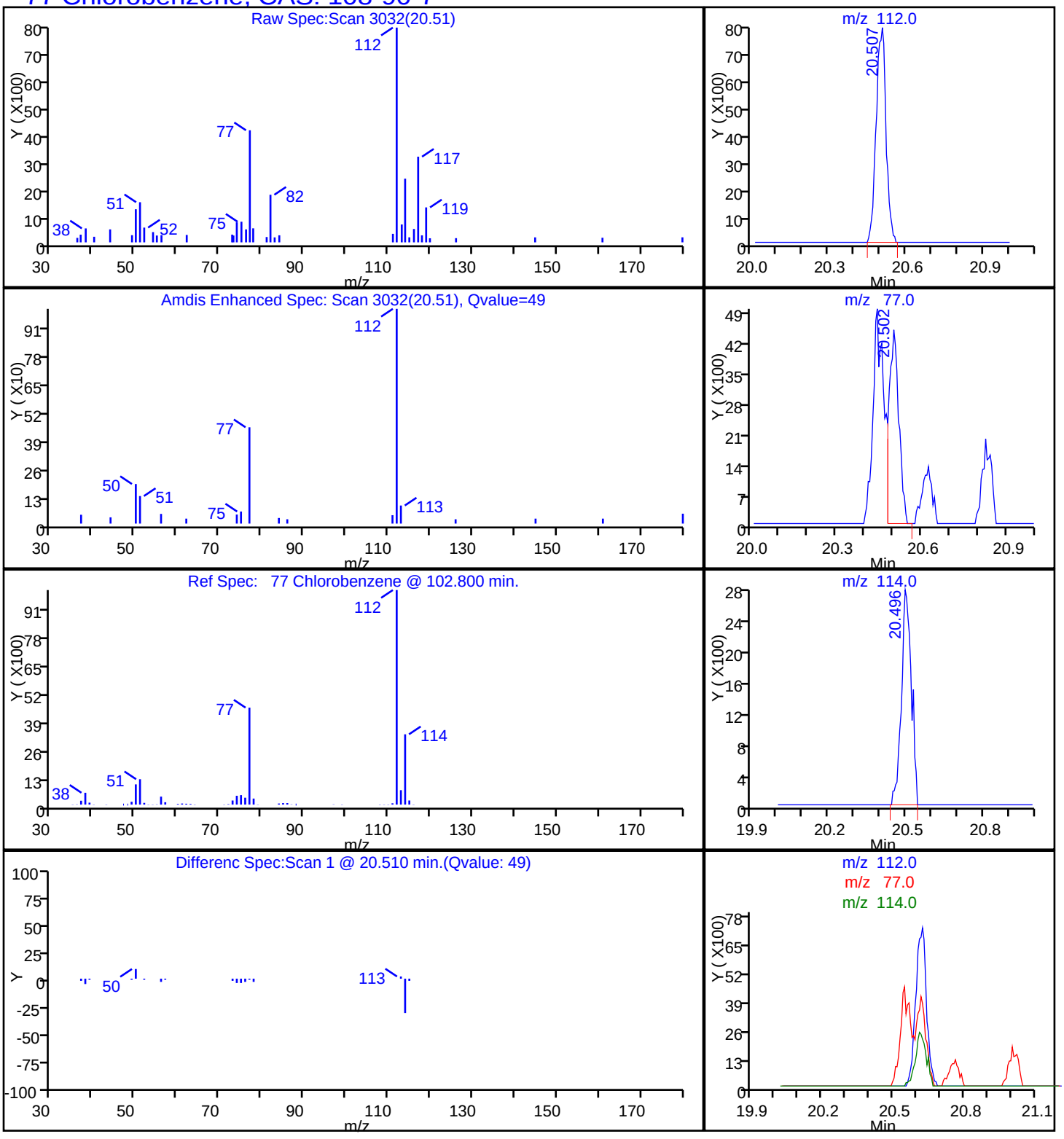
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3
Client ID:	IA-VMP-2B		
Operator ID:	bl	ALS Bottle#:	14 Worklist Smp#: 16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

77 Chlorobenzene, CAS: 108-90-7



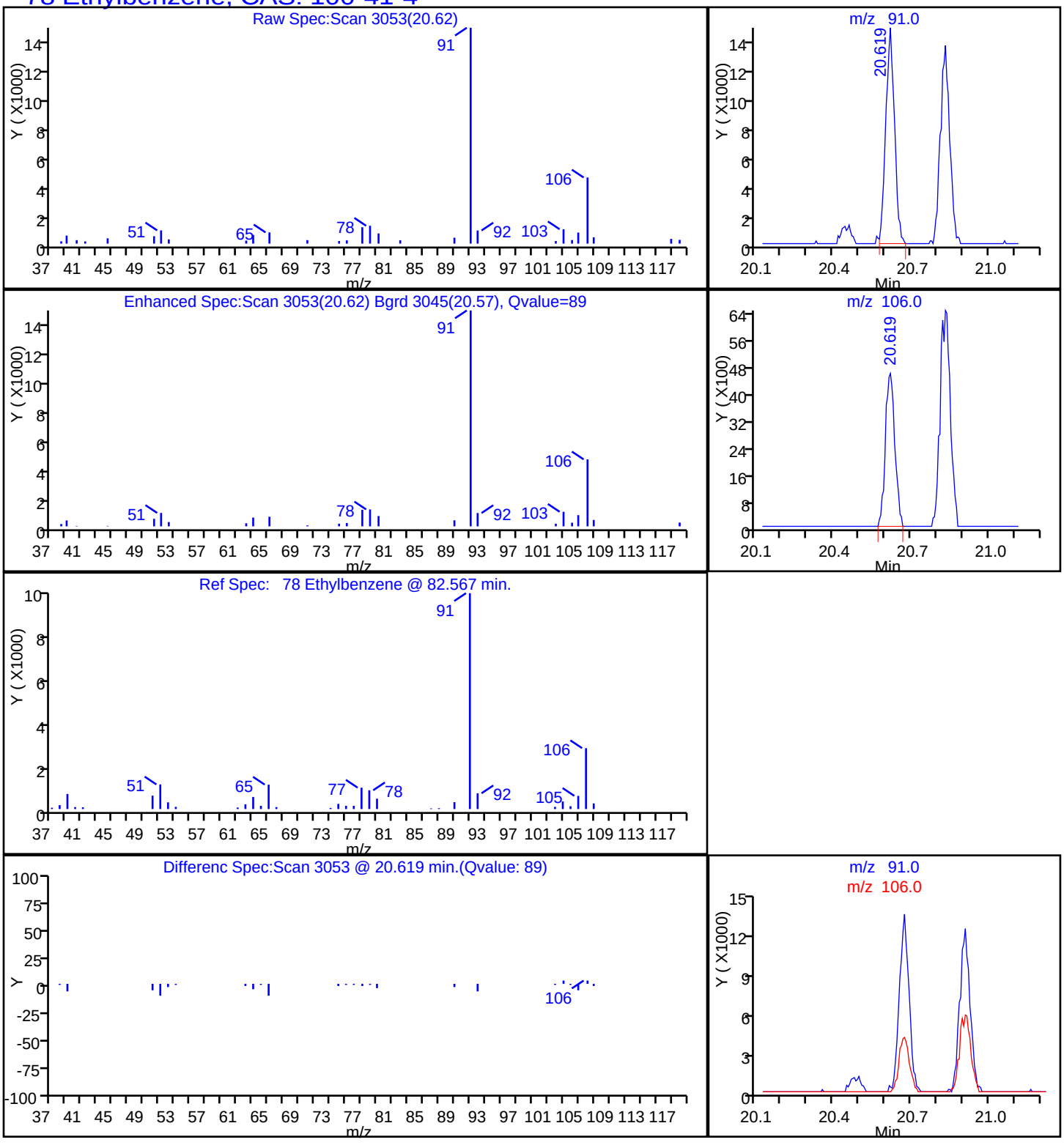
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4



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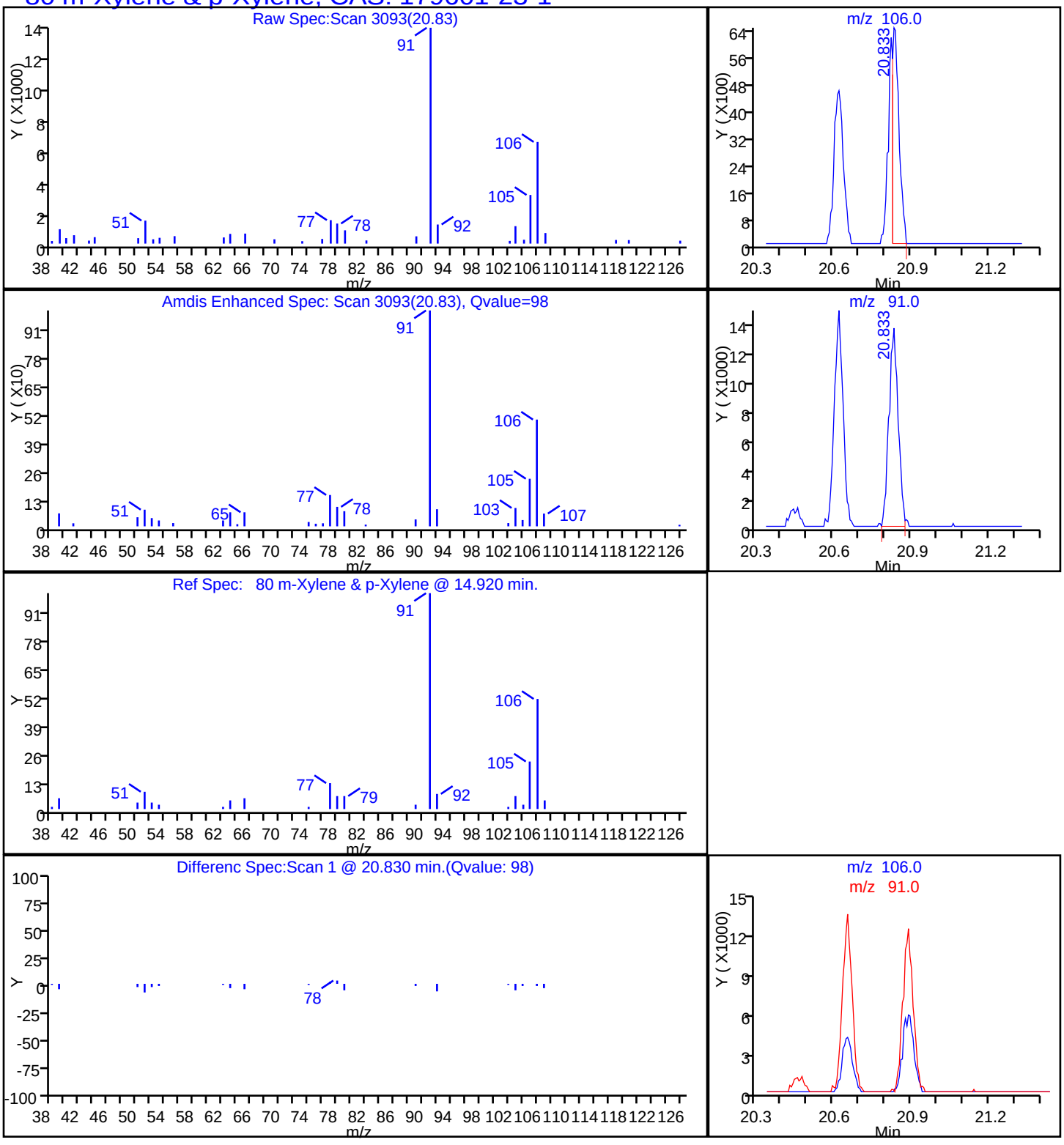
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3
Client ID:	IA-VMP-2B		
Operator ID:	bl	ALS Bottle#:	14 Worklist Smp#: 16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

80 m-Xylene & p-Xylene, CAS: 179601-23-1



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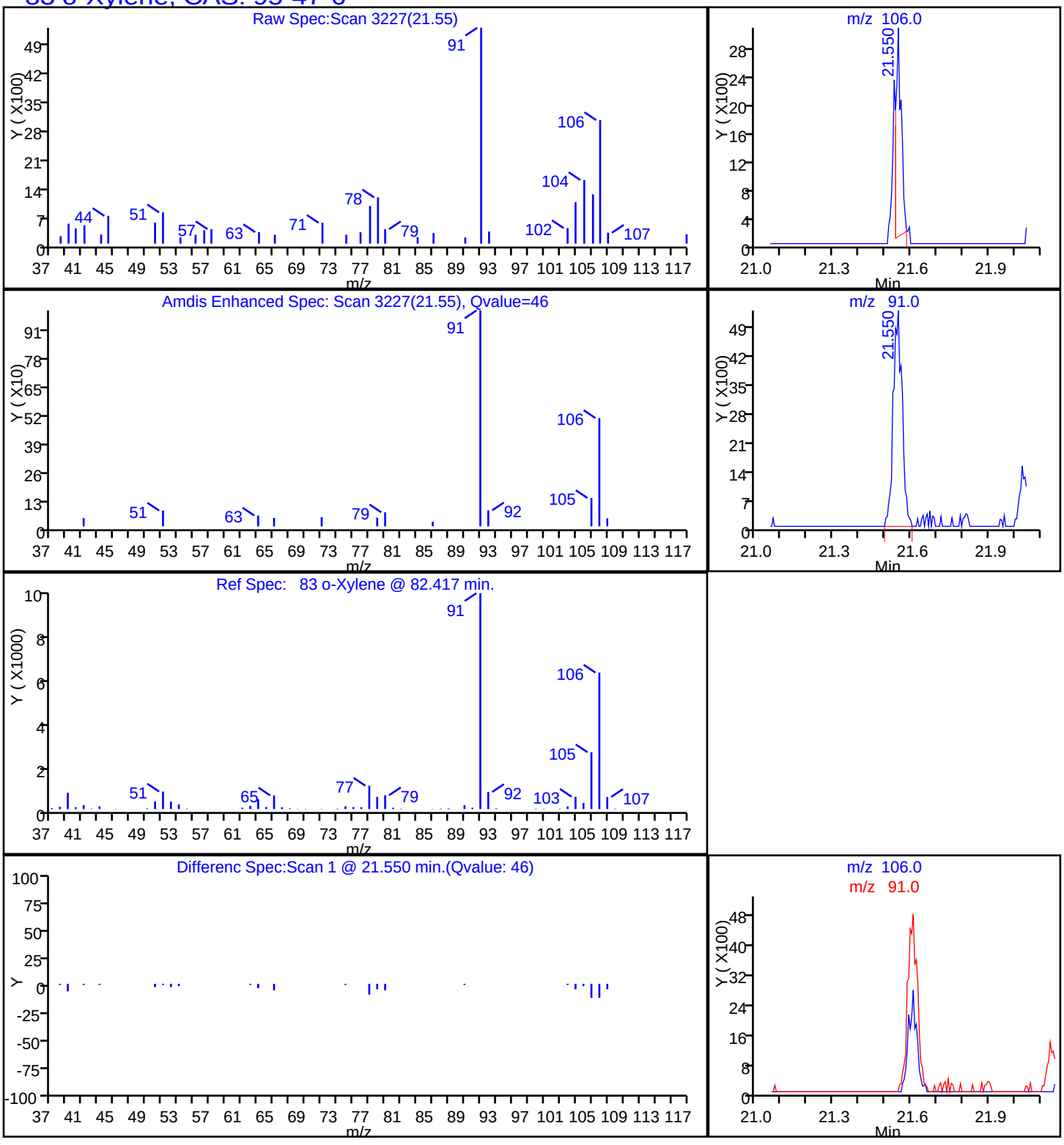
Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3
Client ID:	IA-VMP-2B		
Operator ID:	bl	ALS Bottle#:	14 Worklist Smp#: 16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

83 o-Xylene, CAS: 95-47-6



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Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i
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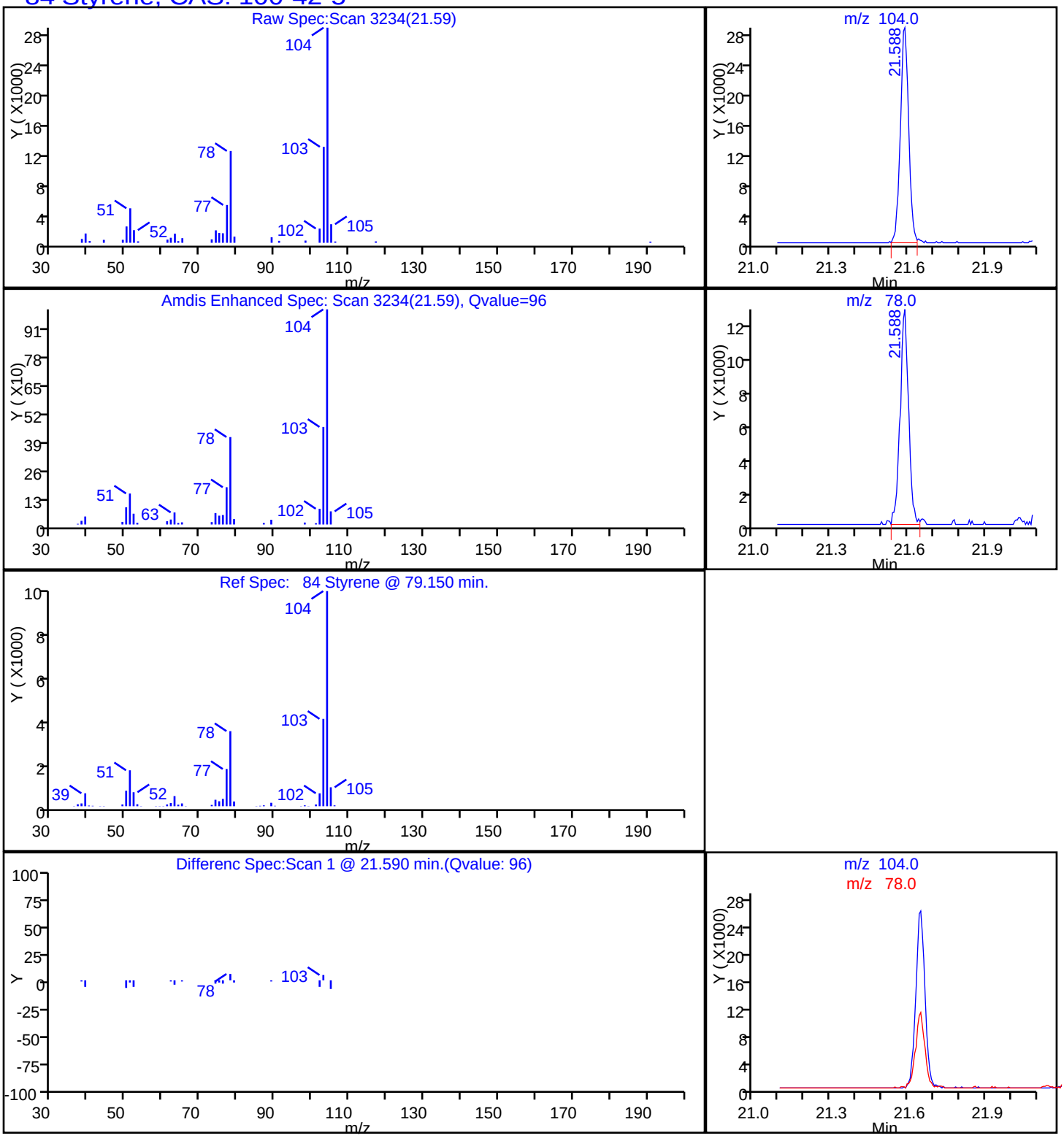
Client ID:	IA-VMP-2B		
Operator ID:	bl	ALS Bottle#:	14 Worklist Smp#: 16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

84 Styrene, CAS: 100-42-5



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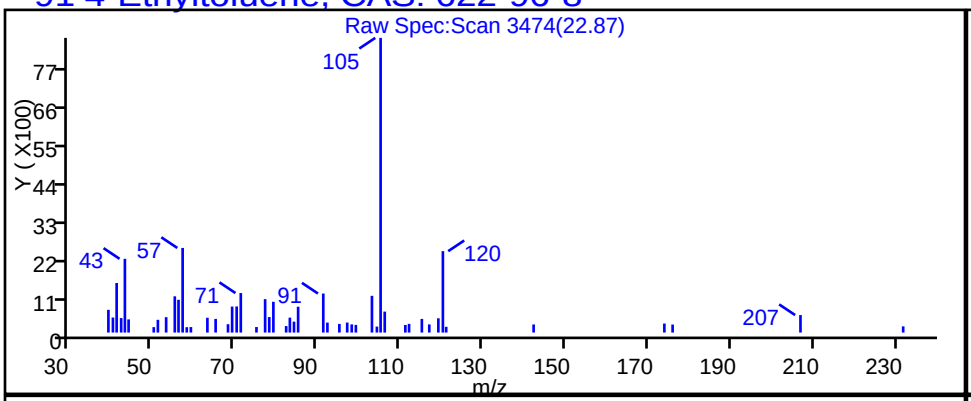
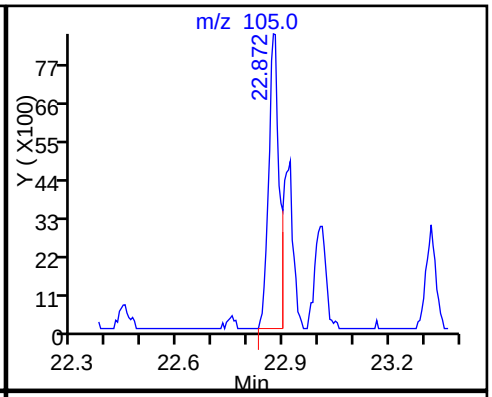
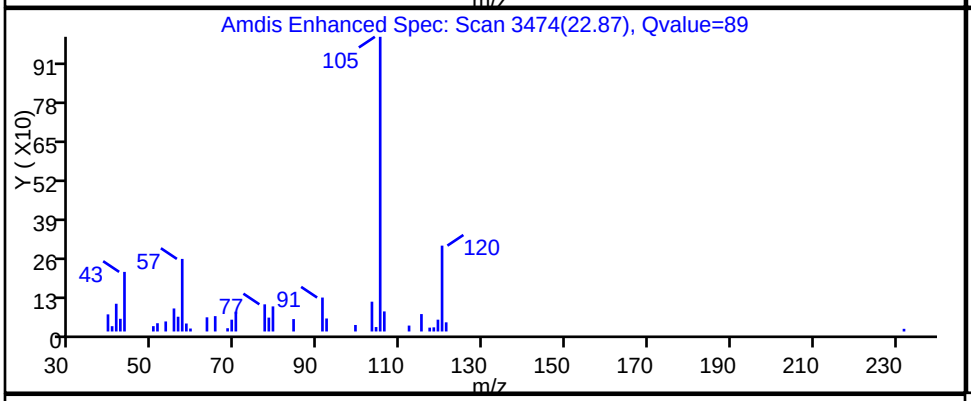
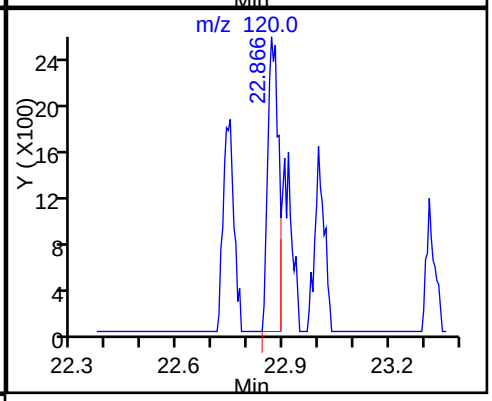
Client ID:	IA-VMP-2B		
Operator ID:	bl	ALS Bottle#:	14 Worklist Smp#: 16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

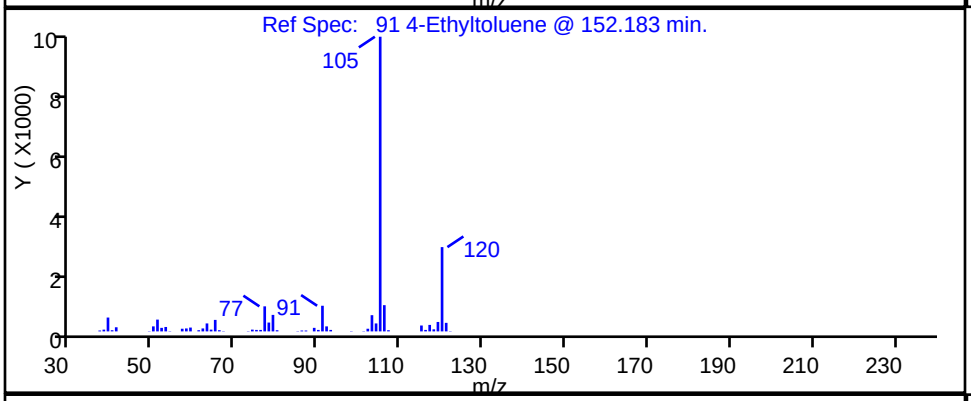
91 4-Ethyltoluene, CAS: 622-96-8

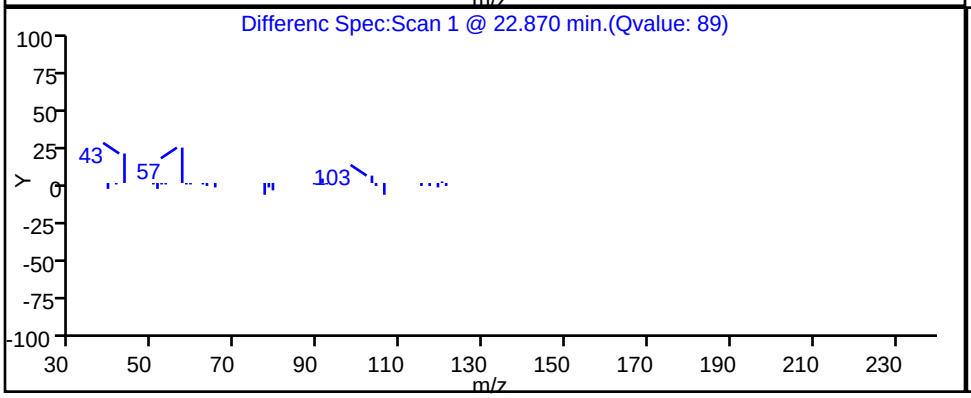


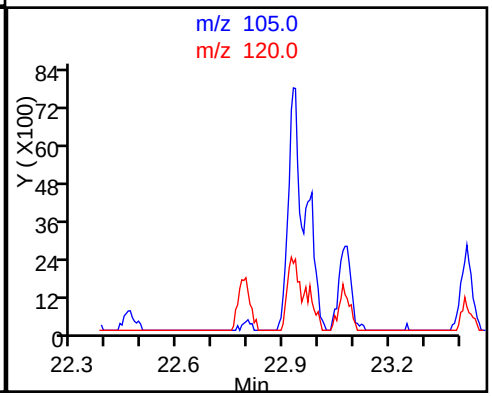












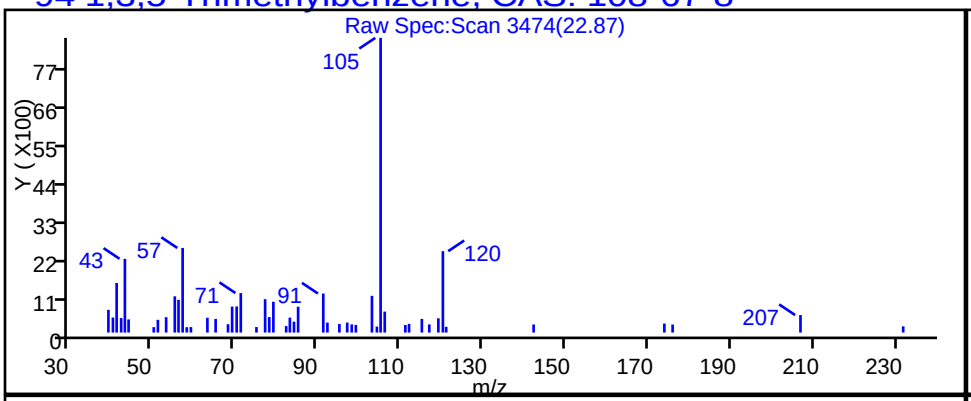
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

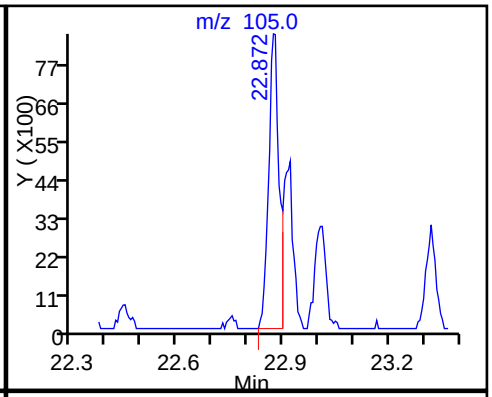
TestAmerica Burlington

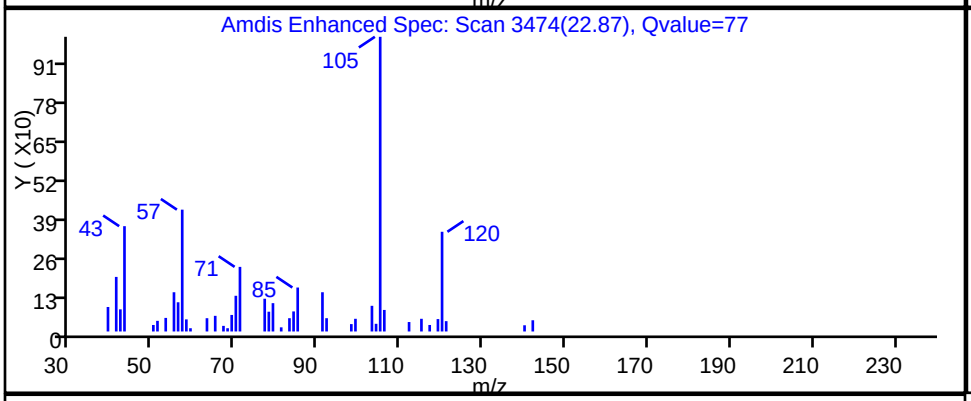
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

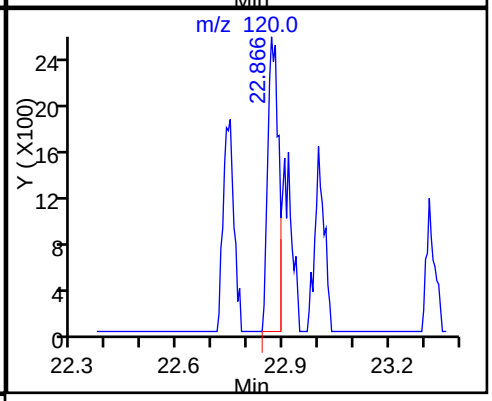
Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

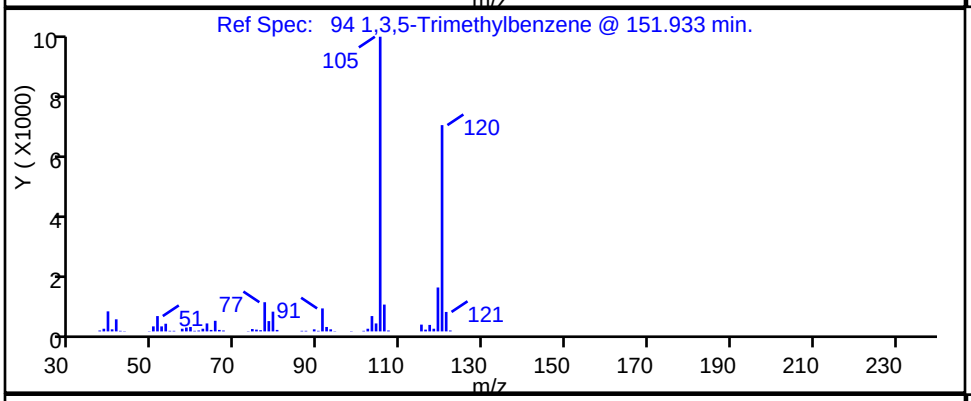
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

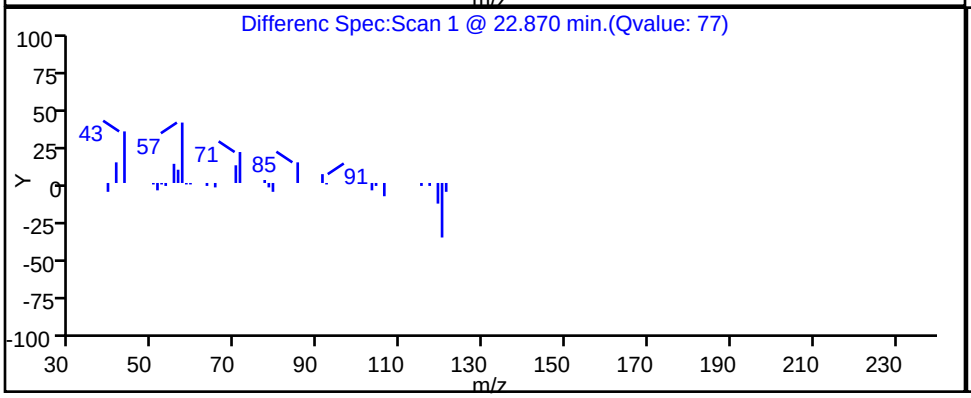


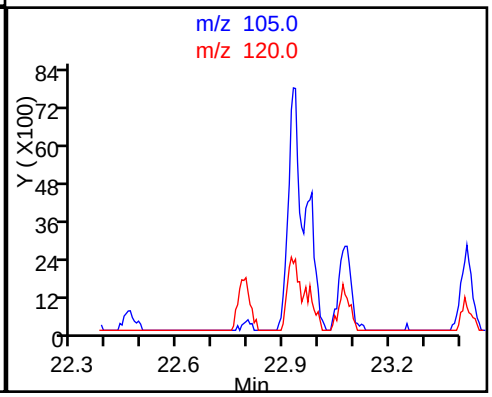












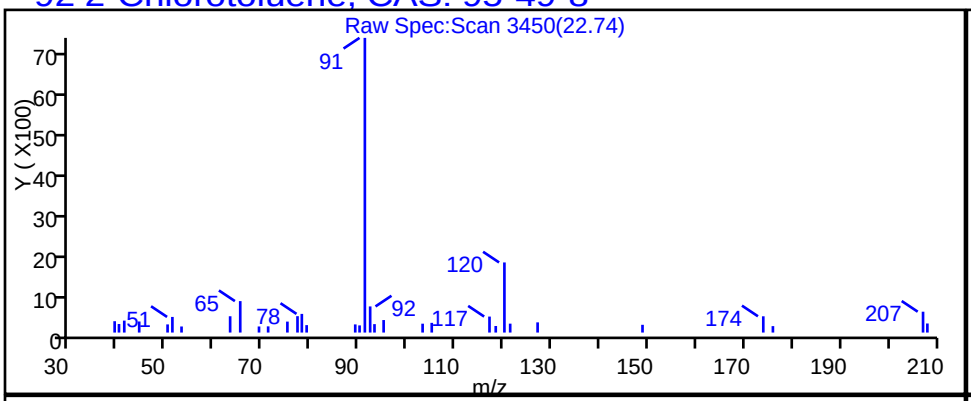
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

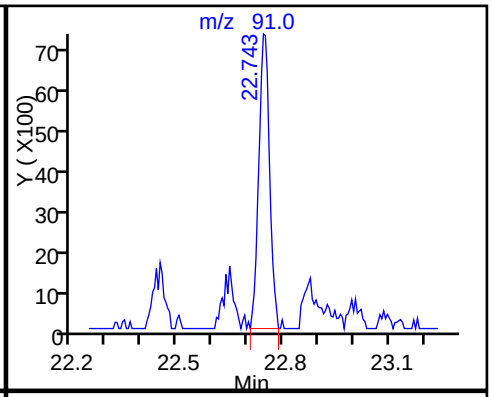
TestAmerica Burlington

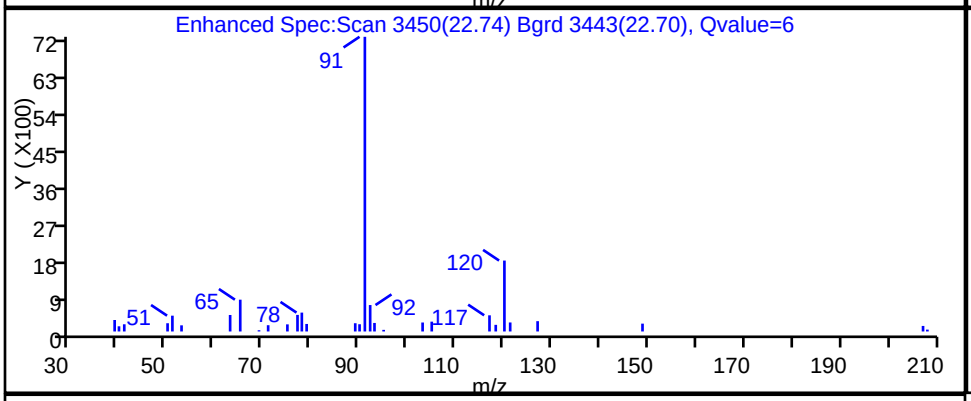
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

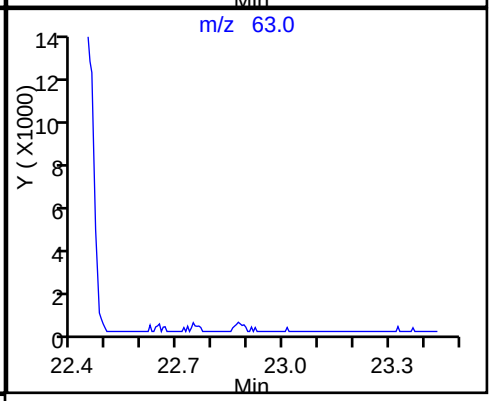
Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

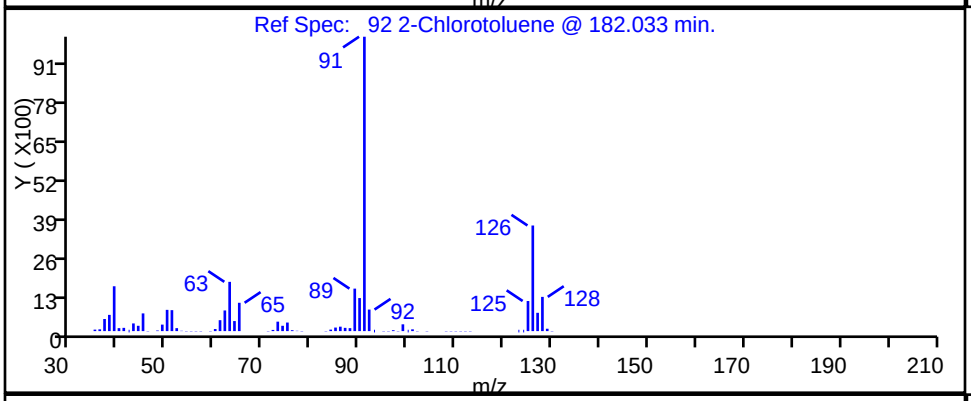
92 2-Chlorotoluene, CAS: 95-49-8

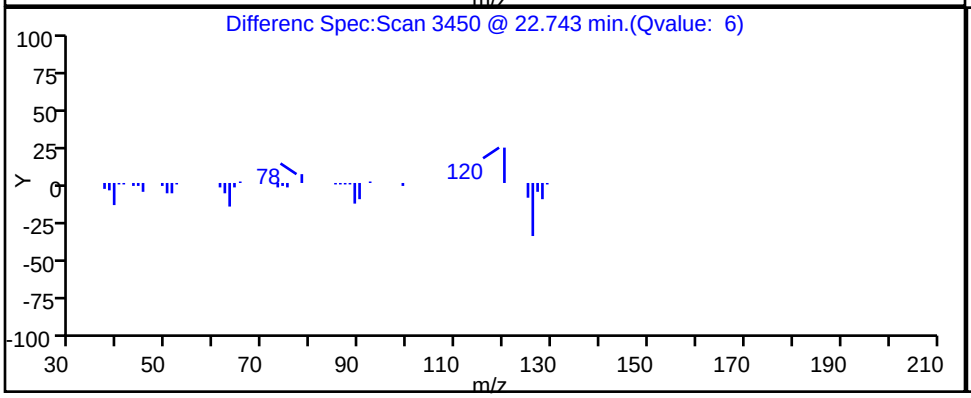


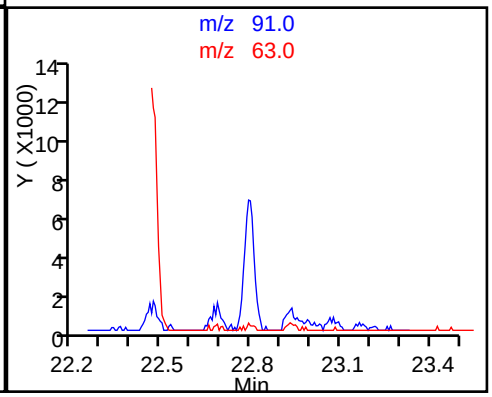












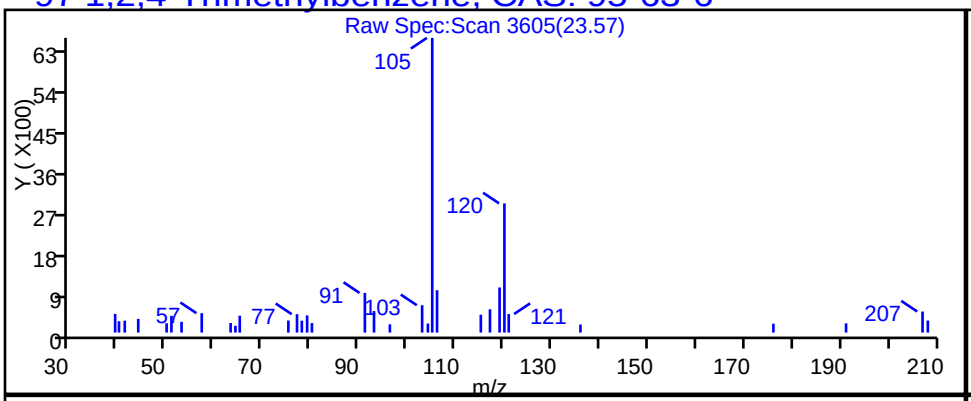
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

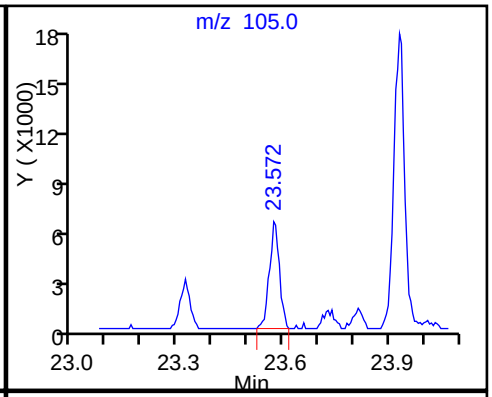
TestAmerica Burlington

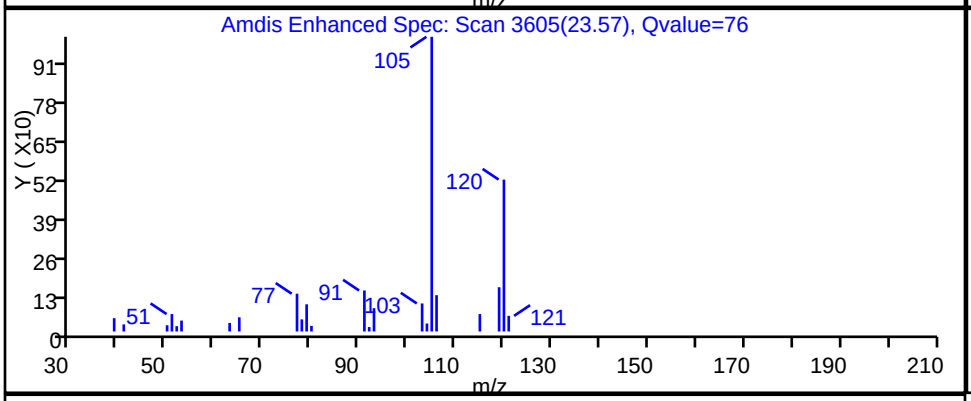
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

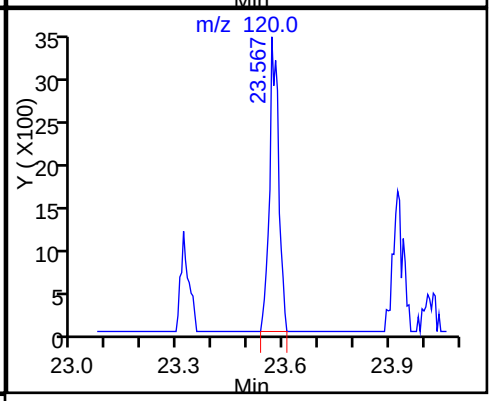
Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

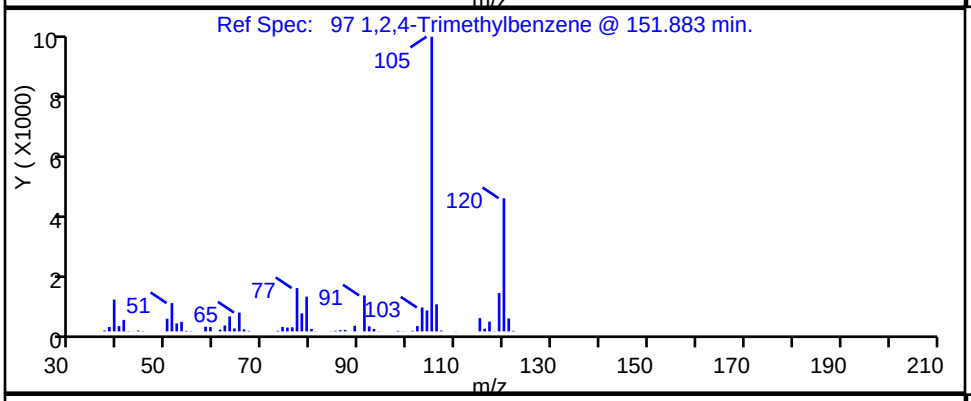
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

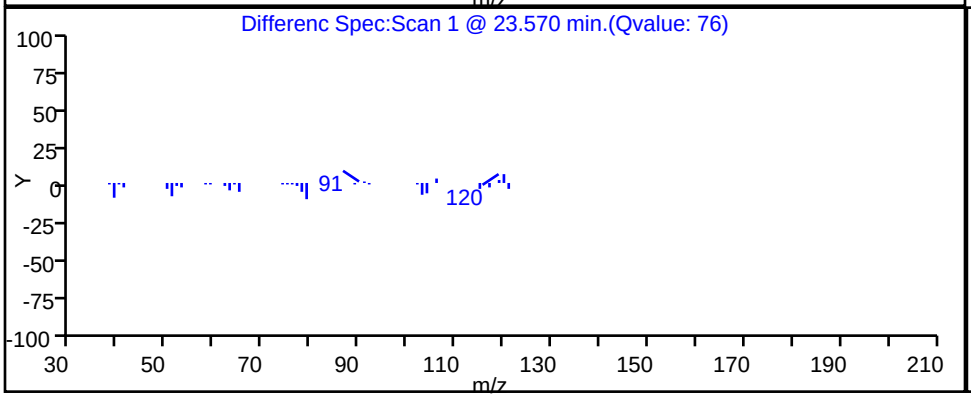


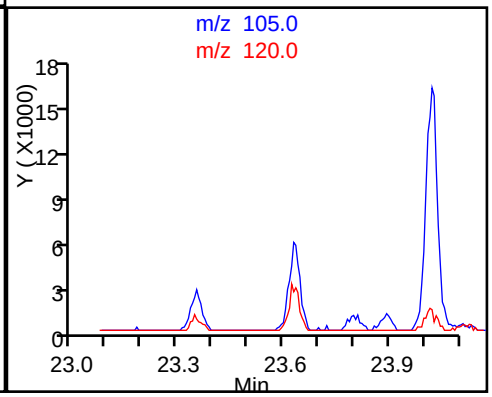












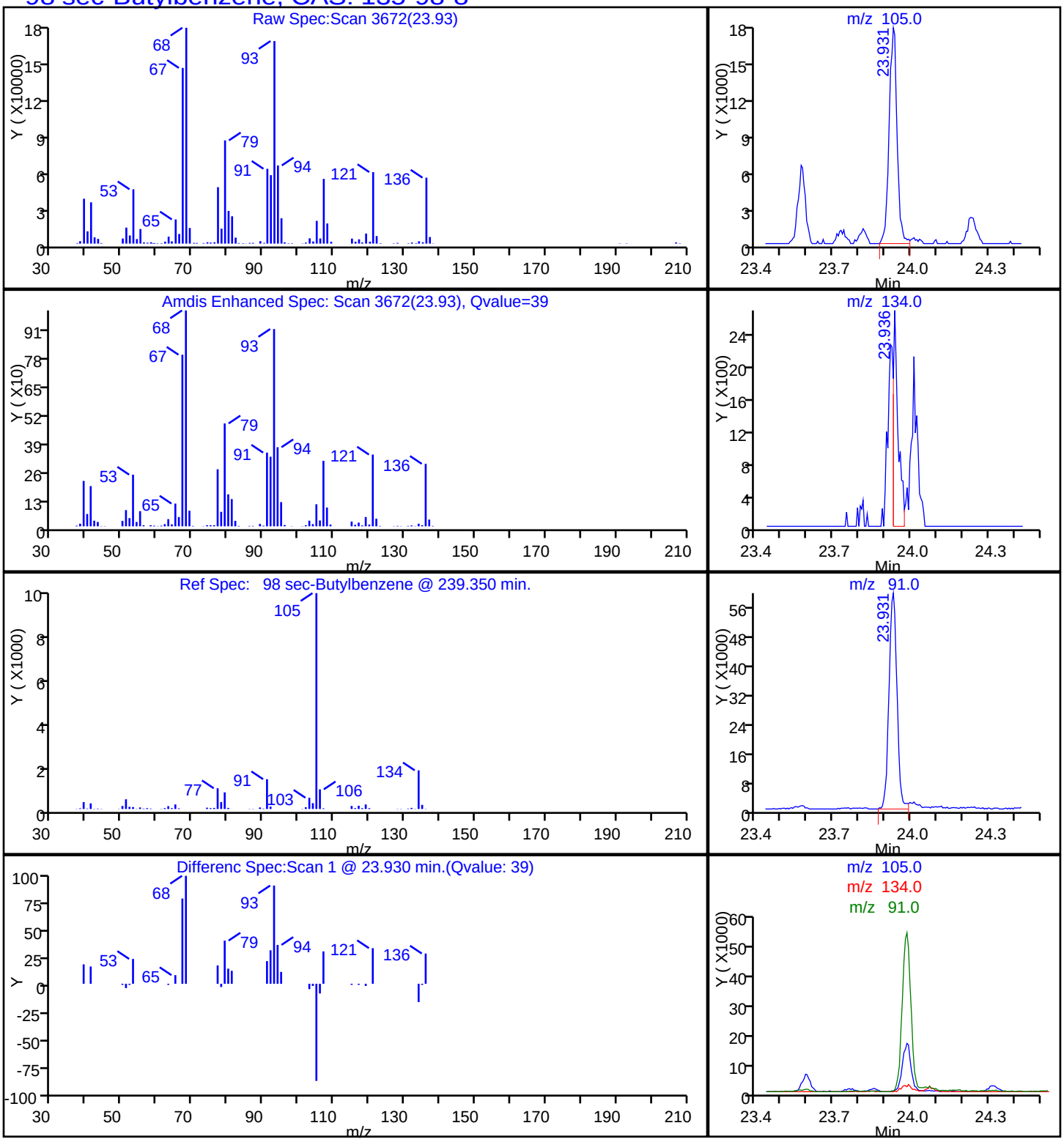
Report Date: 18-Feb-2014 11:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_016.d

Injection Date:	17-Feb-2014 23:52:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-3	Lab Sample ID:	200-20955-3		
Client ID:	IA-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

98 sec-Butylbenzene, CAS: 135-98-8



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-2C Lab Sample ID: 200-20955-5

Matrix: Air Lab File ID: 6171_017.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:27

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 00:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.49	J	0.50	0.030
75-45-6	Freon 22	86.47	9.4		0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.52		0.50	0.14
106-97-8	n-Butane	58.12	1.3		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.31		0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.44		0.20	0.030
76-13-1	Freon 113	187.38	0.075	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	4.6	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	150	E	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	1.8		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.27		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.71		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	0.32	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	20		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.074		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.32		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.18	J	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-2C Lab Sample ID: 200-20955-5

Matrix: Air Lab File ID: 6171_017.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:27

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 00:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.10	J	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.78		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.12	J	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.14	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.18	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.065	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.25		0.20	0.034
100-42-5	Styrene	104.15	0.50		0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.078	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.032	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.066	J	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.071	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.12	J	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-2C Lab Sample ID: 200-20955-5

Matrix: Air Lab File ID: 6171_017.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:27

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 00:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-2C Lab Sample ID: 200-20955-5

Matrix: Air Lab File ID: 6171_017.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:27

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 00:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.4	J	2.5	0.15
75-45-6	Freon 22	86.47	33		1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.1		1.0	0.28
106-97-8	n-Butane	58.12	3.0		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.68		0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	2.5		1.1	0.17
76-13-1	Freon 113	187.38	0.58	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	11	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	380	E	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	6.4		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.94		0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	2.1		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.95	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	67		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.47		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	1.0		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.72	J	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-2C Lab Sample ID: 200-20955-5

Matrix: Air Lab File ID: 6171_017.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:27

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 00:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	0.42	J	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	2.9		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.57	J	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.63	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.79	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.28	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	1.1		0.87	0.15
100-42-5	Styrene	104.15	2.1		0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.38	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.16	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	0.34	J	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.35	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	0.64	J	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-2C Lab Sample ID: 200-20955-5

Matrix: Air Lab File ID: 6171_017.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:27

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 00:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d
Lims ID: 200-20955-A-5 Lab Sample ID: 200-20955-5
Client ID: IA-VMP-2C
Sample Type: Client
Inject. Date: 18-Feb-2014 00:44:30 ALS Bottle#: 15 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006171-017
Misc. Info.: 200-20955-A-5
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Feb-2014 11:48:27 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK028

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.501	4.474	0.027	83	80695	0.4934	
6 Chlorodifluoromethane	51	4.431	4.538	-0.107	38	582217	9.40	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.827					
8 Chloromethane	50	5.041	5.020	0.021	90	14596	0.5185	
9 Butane	43	5.309	5.287	0.022	90	57076	1.25	
10 Vinyl chloride	62		5.341					
11 Butadiene	54	5.469	5.442	0.027	85	7650	0.3070	
12 Bromomethane	94		6.309					
14 Chloroethane	64		6.593					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101	7.213	7.192	0.021	83	80290	0.4380	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.481	8.438	0.043	76	8625	0.0752	
24 1,1-Dichloroethene	96		8.513					
25 Acetone	43	8.786	8.749	0.038	87	240350	4.63	
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45	9.112	9.027	0.085	97	6714102	154.3	E
29 3-Chloro-1-propene	41		9.407					
31 Methylene Chloride	49	9.754	9.733	0.021	77	66529	1.84	
32 2-Methyl-2-propanol	59		9.904					
33 Methyl tert-butyl ether	73		10.155					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.230					
36 Hexane	57	10.669	10.648	0.021	87	13291	0.2656	
37 1,1-Dichloroethane	63		11.199					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72	12.413	12.392	0.021	97	15703	0.7142	
44 Tetrahydrofuran	42	13.098	12.852	0.246	27	10186	0.3218	
* 43 Chlorobromomethane	128	12.868	12.852	0.016	69	357600	10.0	
45 Chloroform	83		12.964					
46 Cyclohexane	84	13.280	13.258	0.022	83	1192245	19.5	
47 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117	13.547	13.531	0.016	58	11867	0.0744	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v		Flags
	51	Isooctane	57		13.927						
	50	Benzene	78	14.002	13.986	0.016	90	46484	0.3189		
	52	1,2-Dichloroethane	62		14.141						
	53	n-Heptane	43	14.291	14.275	0.016	62	8959	0.1764		
*	54	1,4-Difluorobenzene	114	14.756	14.746	0.010	93	1672703	10.0		
	56	Trichloroethene	95		15.206						
	58	1,2-Dichloropropane	63		15.730						
	59	Methyl methacrylate	69	15.826	15.810	0.016	71	4725	0.1026		
	60	1,4-Dioxane	88		15.901						
	62	Dichlorobromomethane	83		16.222						
	64	cis-1,3-Dichloropropene	75		17.083						
	65	4-Methyl-2-pentanone (MIBK)	43		17.319						
	66	Toluene	92	17.666	17.661	0.005	93	82993	0.7761		
	70	trans-1,3-Dichloropropene	75		18.191						
	71	1,1,2-Trichloroethane	83		18.560						
	72	Tetrachloroethene	166		18.694						
	73	2-Hexanone	43		18.950						
	74	Chlorodibromomethane	129		19.314						
	75	Ethylene Dibromide	107		19.598						
S	82	Xylenes, Total	106				0		0.2462		7
*	76	Chlorobenzene-d5	117	20.448	20.443	0.005	81	1474613	10.0		
	77	Chlorobenzene	112	20.507	20.496	0.011	38	22254	0.1244		
	78	Ethylbenzene	91	20.619	20.614	0.005	91	36144	0.1447		
	80	m-Xylene & p-Xylene	106	20.828	20.833	-0.005	100	18233	0.1809		
	83	o-Xylene	106	21.550	21.545	0.005	38	6211	0.0653		
	84	Styrene	104	21.588	21.582	0.006	98	70920	0.5026		
	85	Bromoform	173		21.962						
$	87	4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1004508	NC		
	88	1,1,2,2-Tetrachloroethane	83		22.668						
	90	N-Propylbenzene	91		22.743						
	91	4-Ethyltoluene	105	22.872	22.909	-0.037	91	25231	0.0775		
	92	2-Chlorotoluene	91	22.749	22.941	-0.192	1	18886	0.0663		
	94	1,3,5-Trimethylbenzene	105	22.909	23.000	-0.091	45	9653	0.0320		
	96	tert-Butylbenzene	119		23.476						
	97	1,2,4-Trimethylbenzene	105	23.572	23.573	-0.001	84	20293	0.0706		
	98	sec-Butylbenzene	105	23.926	23.808	0.118	39	45983	0.1161		
	99	4-Isopropyltoluene	119		24.011						
	100	1,3-Dichlorobenzene	146		24.081						
	101	1,4-Dichlorobenzene	146		24.225						
	102	Benzyl chloride	91		24.434						
	103	n-Butylbenzene	91		24.653						
	105	1,2-Dichlorobenzene	146		24.830						
	107	1,2,4-Trichlorobenzene	180		27.724						
	108	Hexachlorobutadiene	225		27.927						
	109	Naphthalene	128		28.312						

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

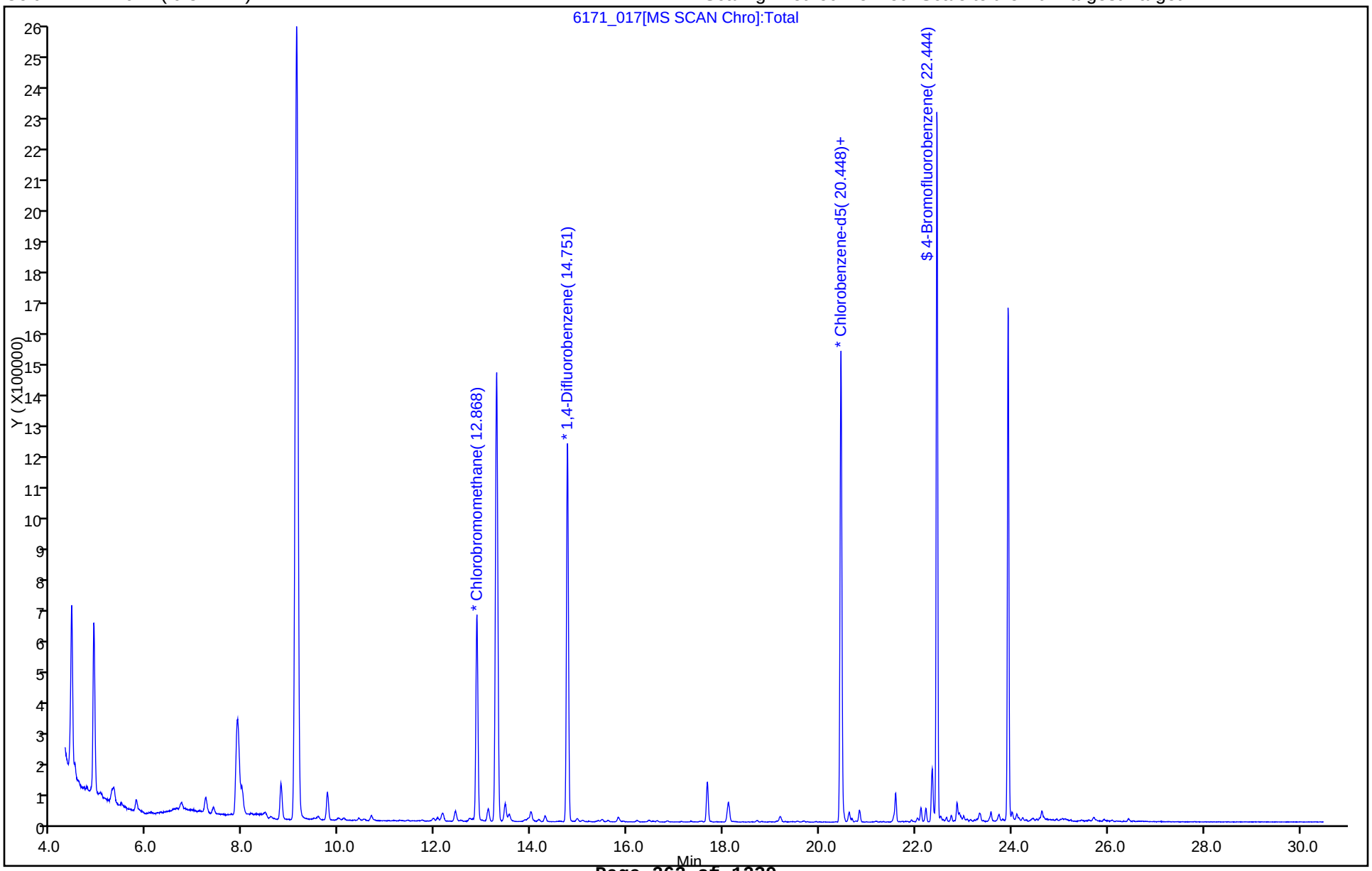
Report Date: 18-Feb-2014 11:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5	Worklist Smp#:	17
Client ID:	IA-VMP-2C				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



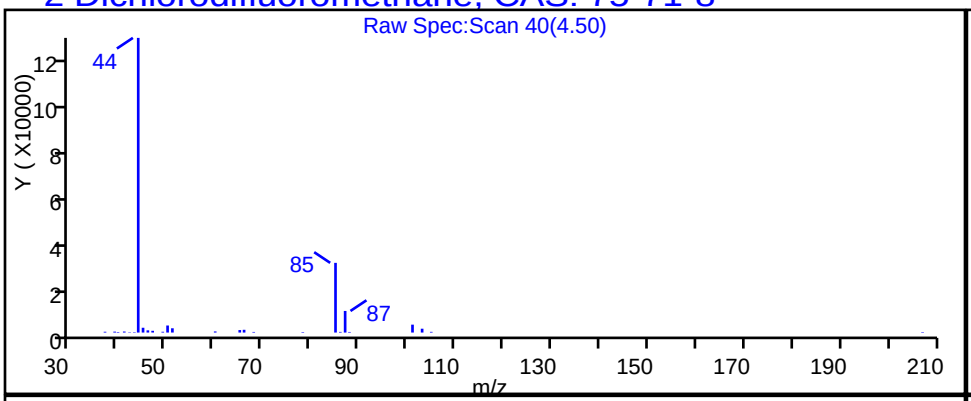
Report Date: 18-Feb-2014 11:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

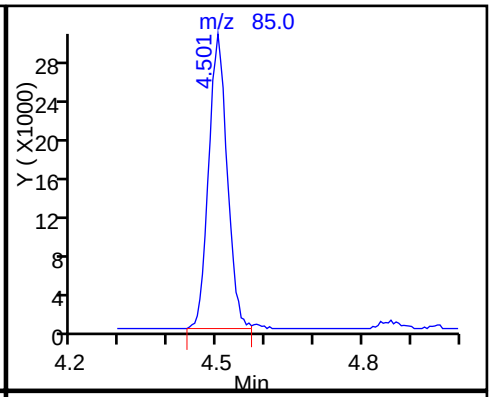
TestAmerica Burlington

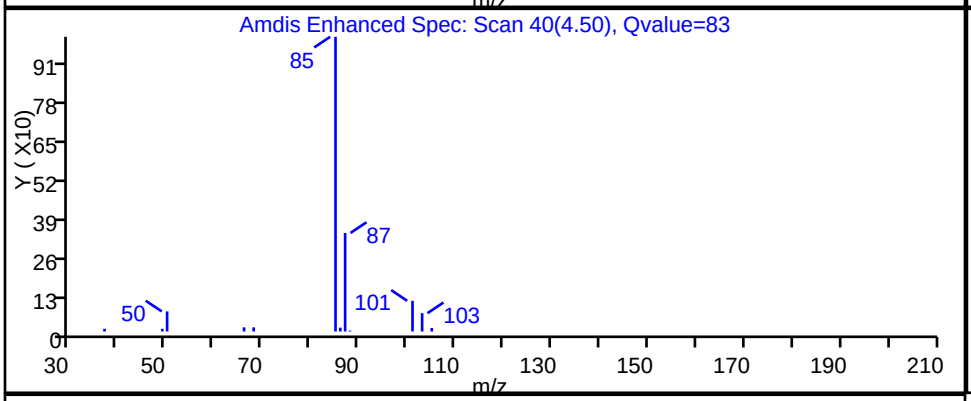
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

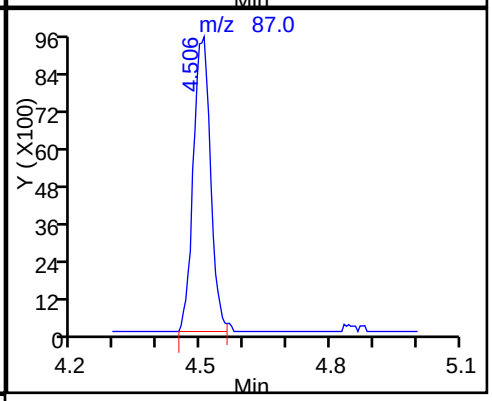
Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

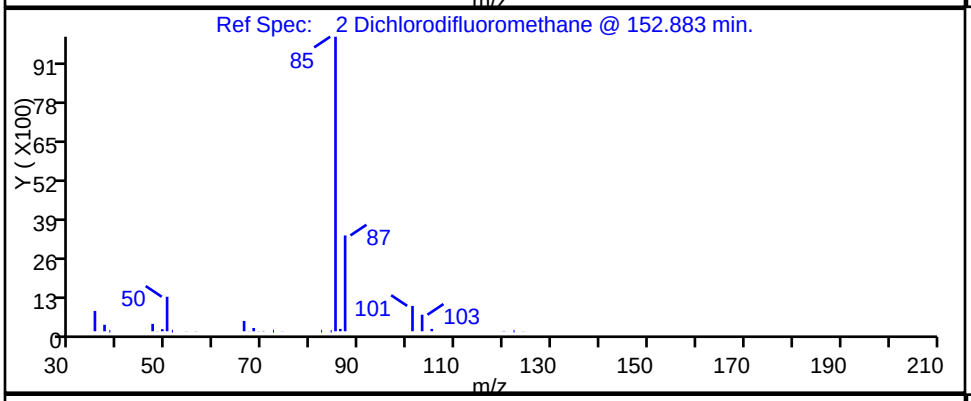
2 Dichlorodifluoromethane, CAS: 75-71-8

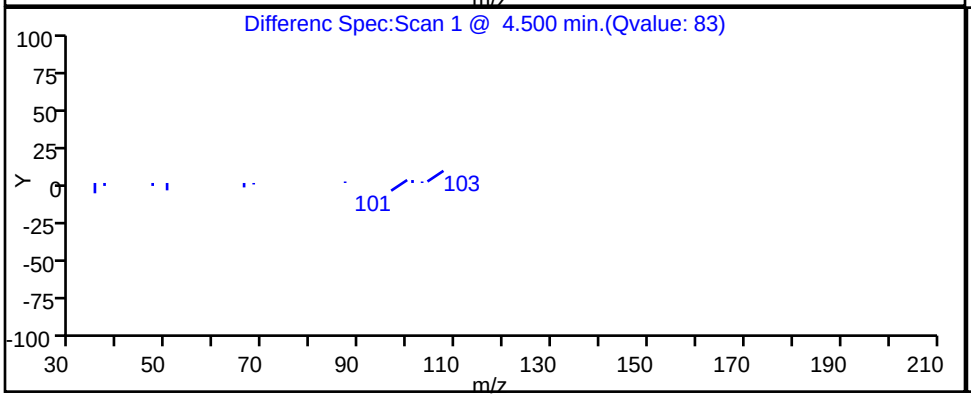


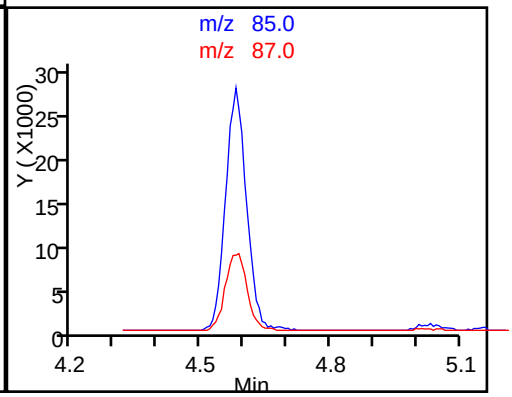












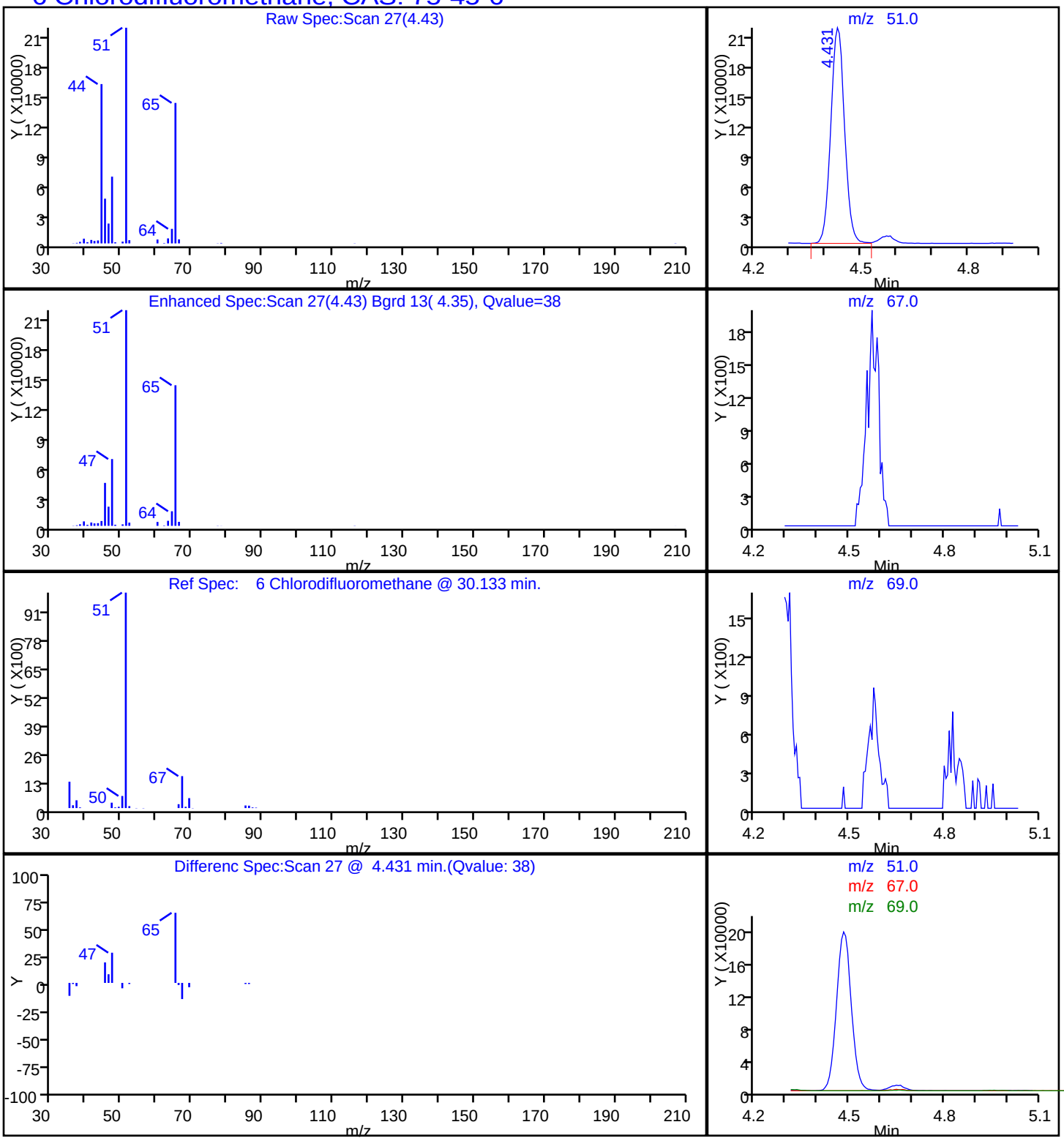
Report Date: 18-Feb-2014 11:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



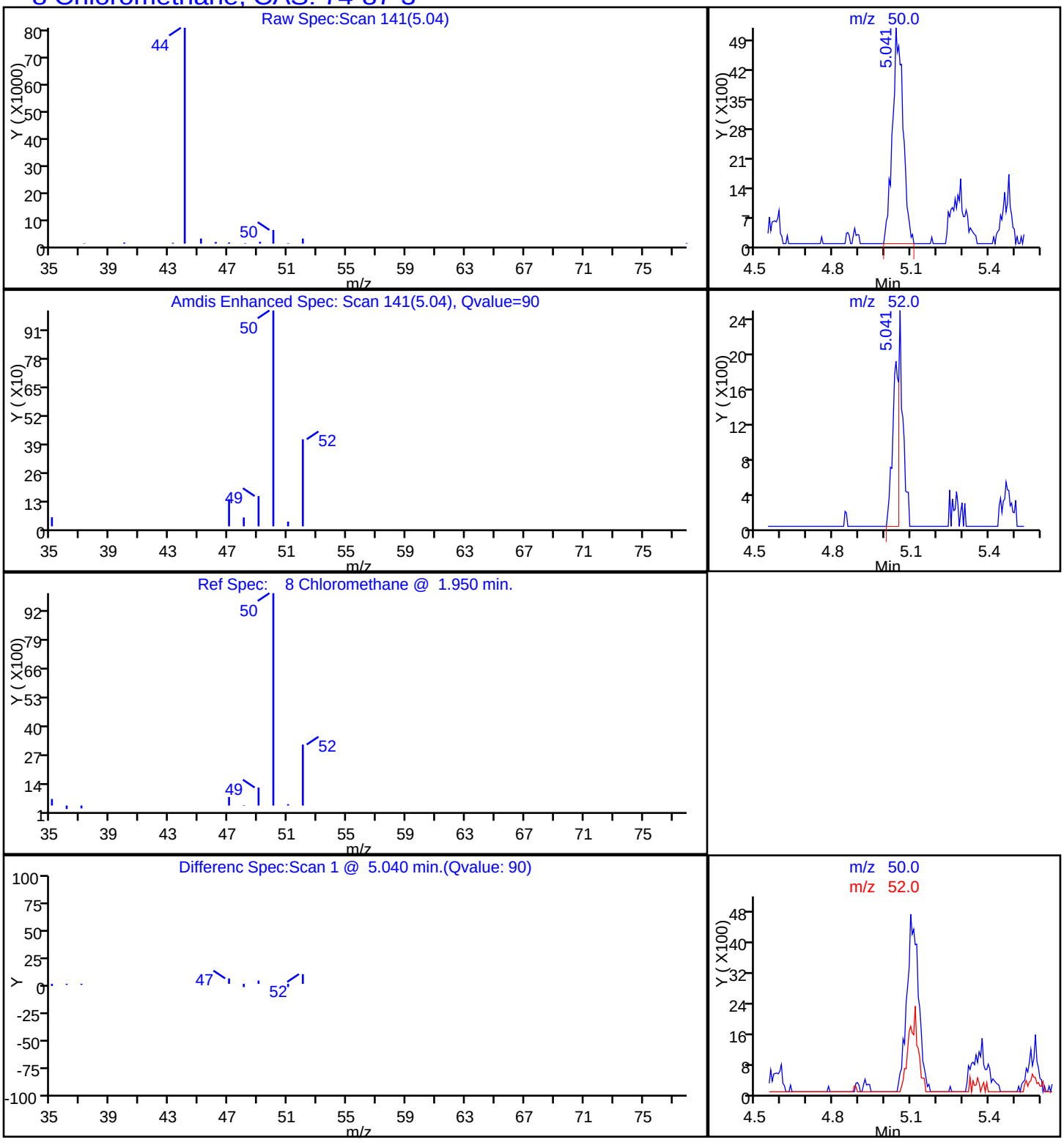
Report Date: 18-Feb-2014 11:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3



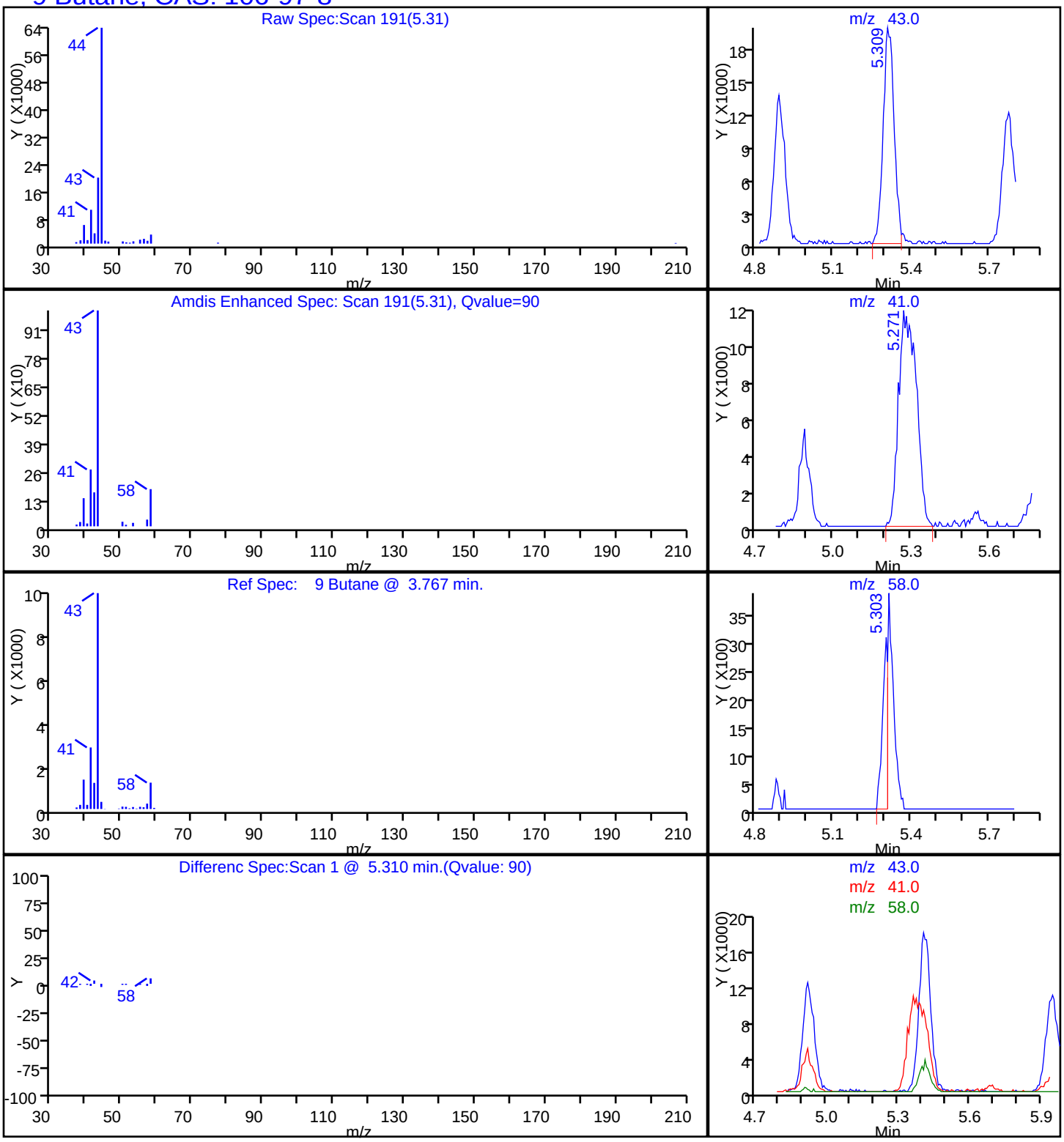
Report Date: 18-Feb-2014 11:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5
Client ID:	IA-VMP-2C		
Operator ID:	bl	ALS Bottle#:	15 Worklist Smp#: 17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

9 Butane, CAS: 106-97-8



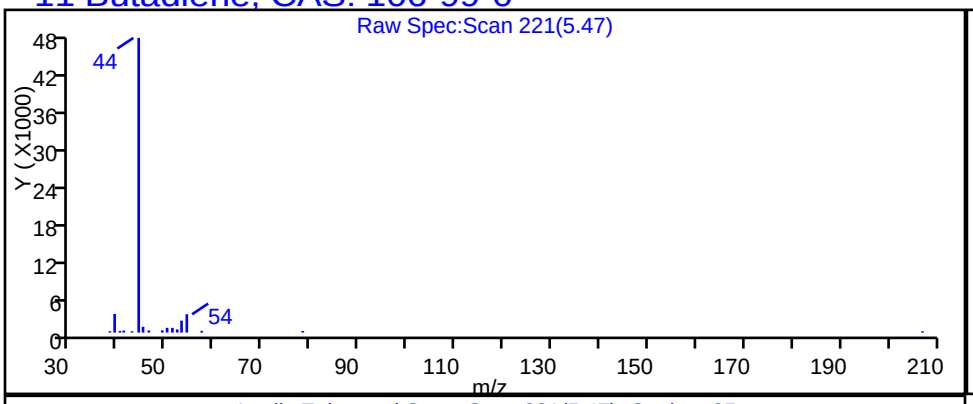
Report Date: 18-Feb-2014 11:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

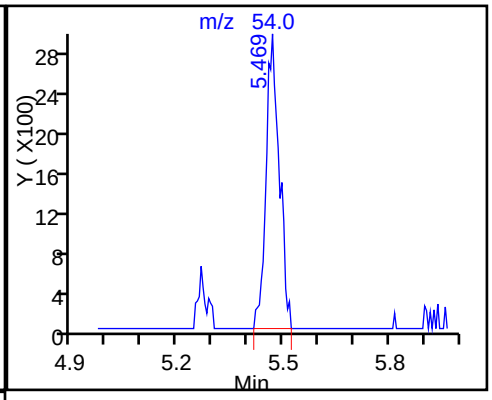
TestAmerica Burlington

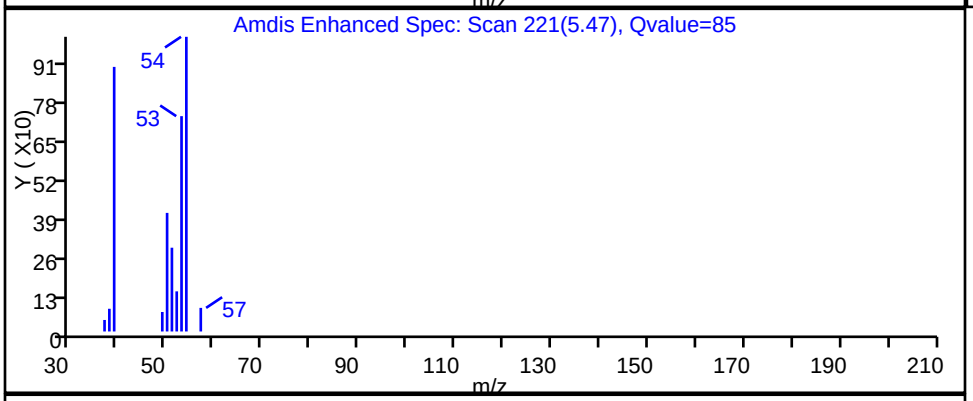
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

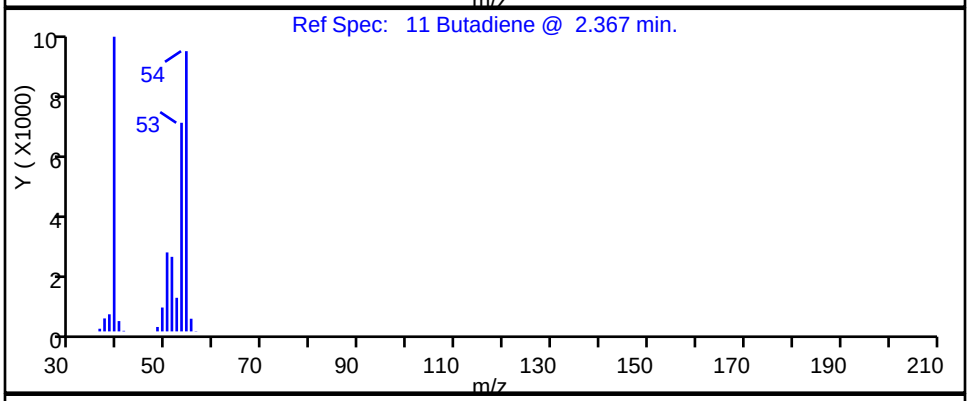
Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

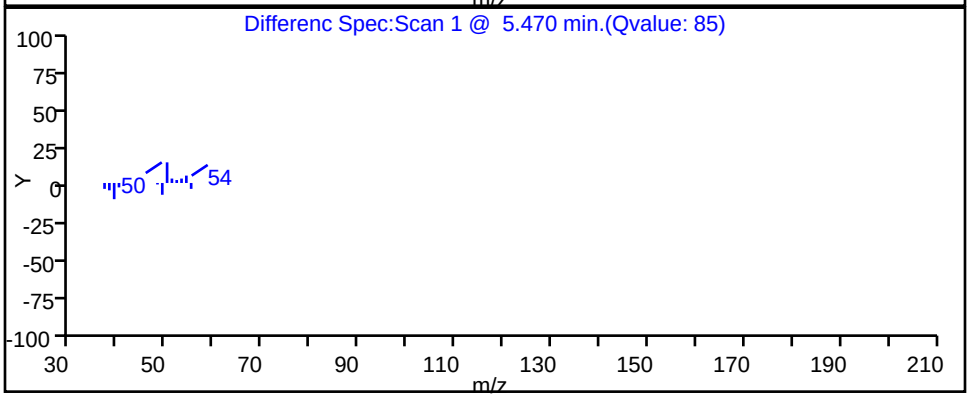
11 Butadiene, CAS: 106-99-0











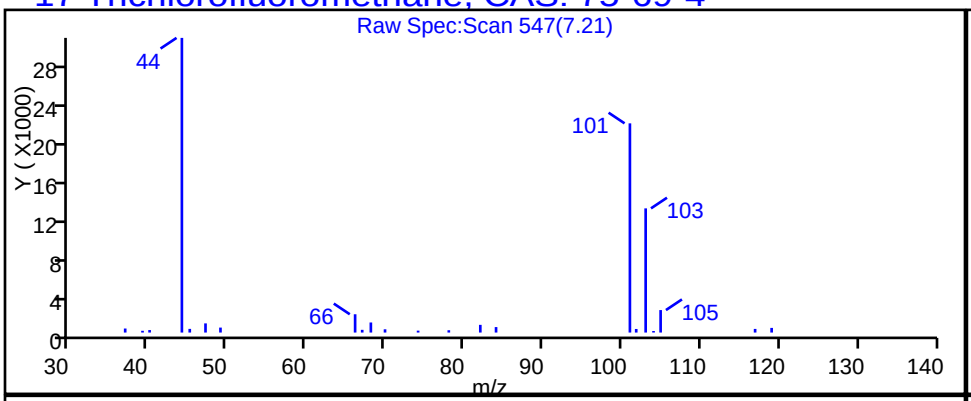
Report Date: 18-Feb-2014 11:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

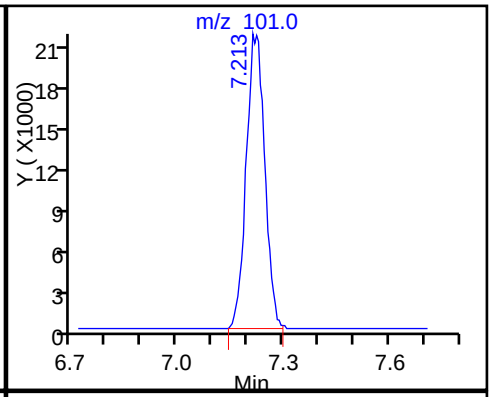
TestAmerica Burlington

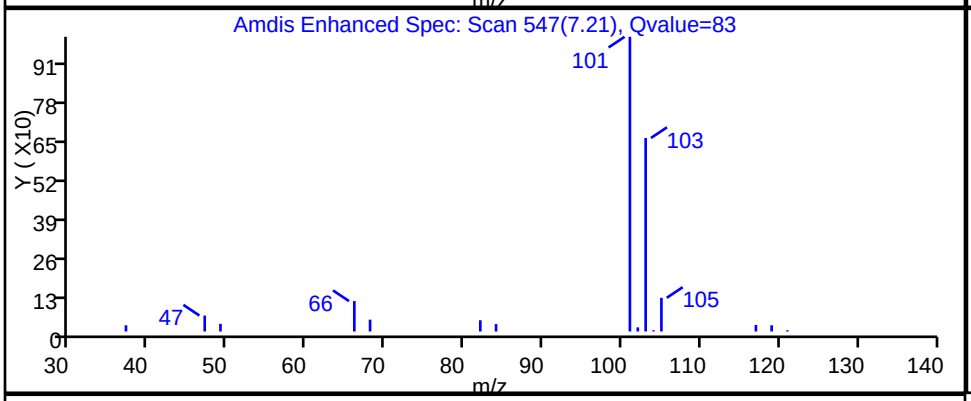
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

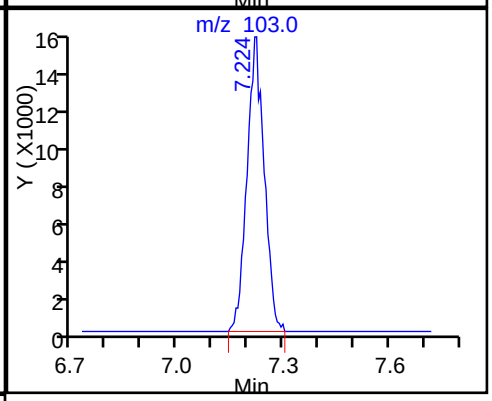
Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

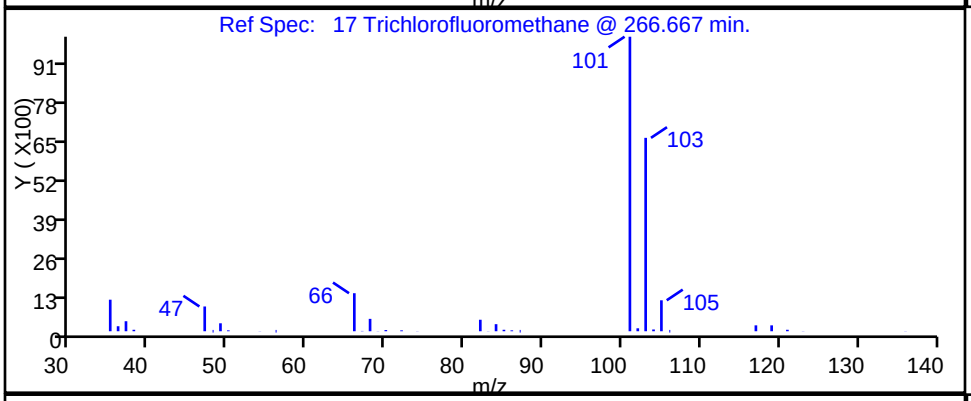
17 Trichlorofluoromethane, CAS: 75-69-4

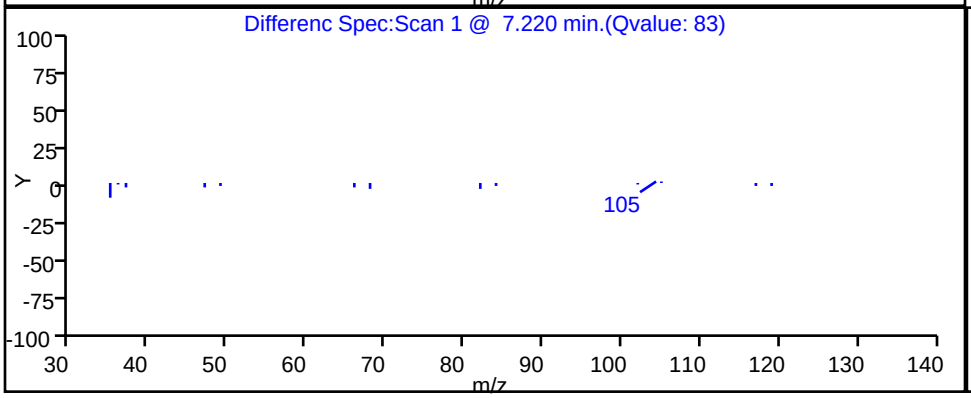


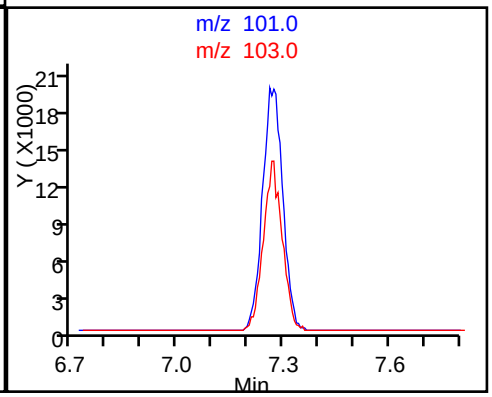












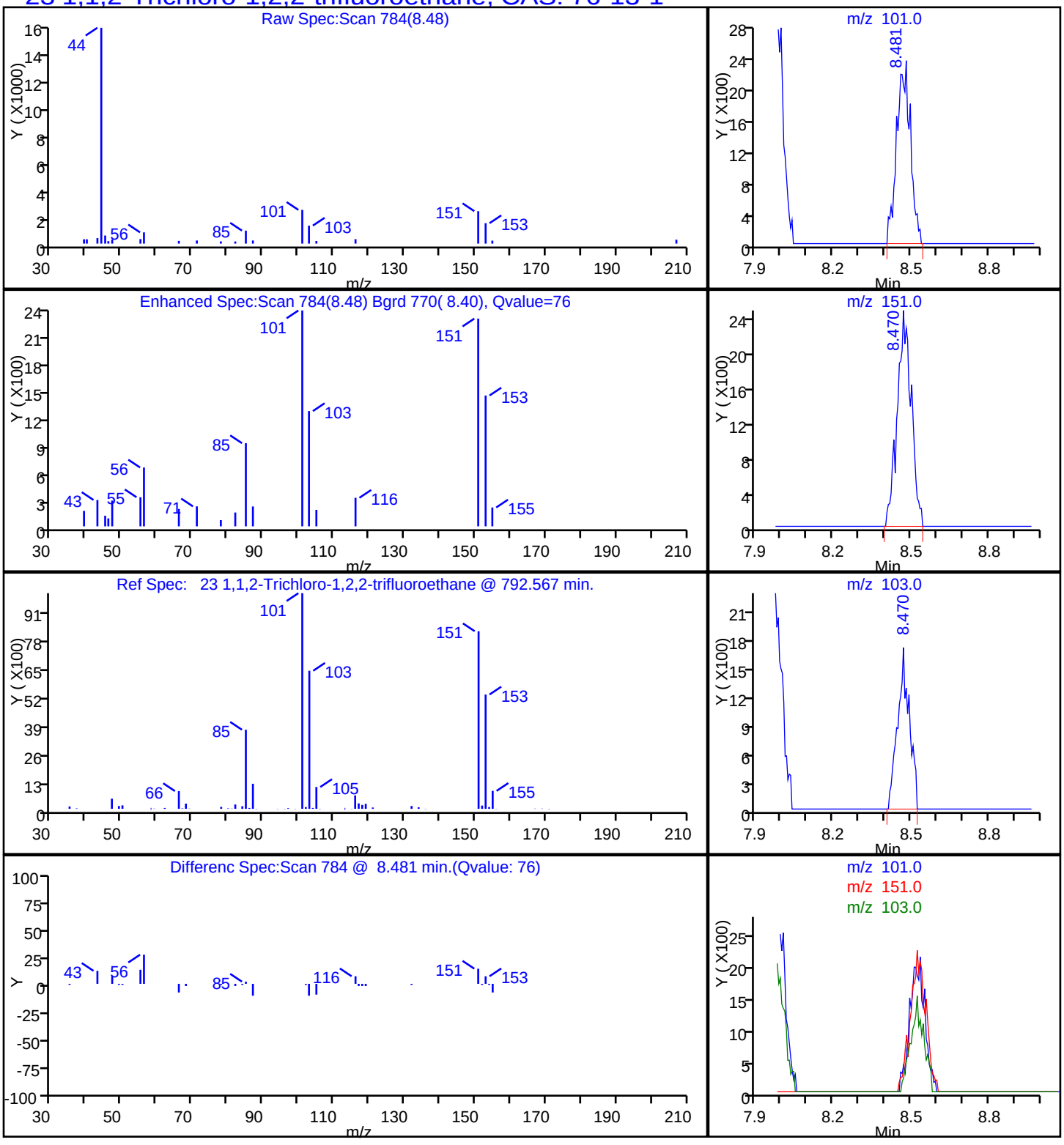
Report Date: 18-Feb-2014 11:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



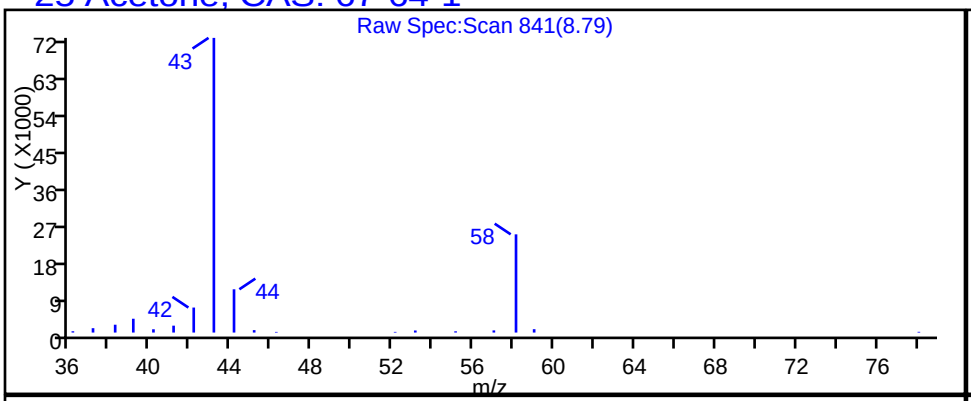
Report Date: 18-Feb-2014 11:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

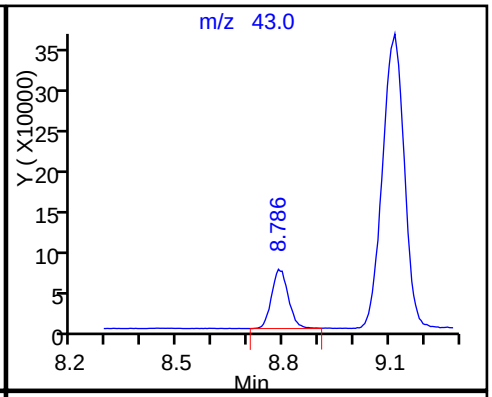
TestAmerica Burlington

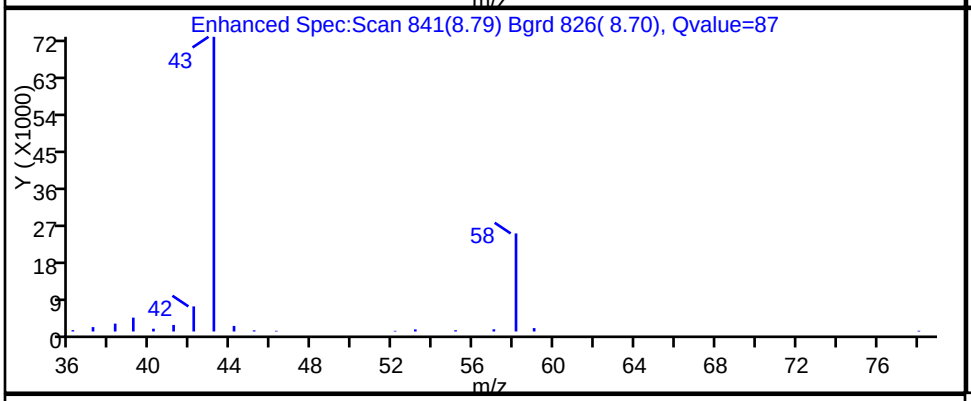
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

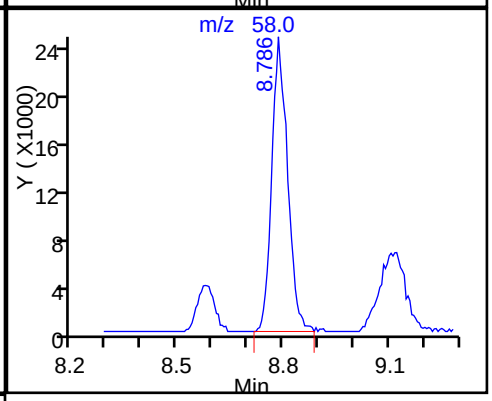
Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

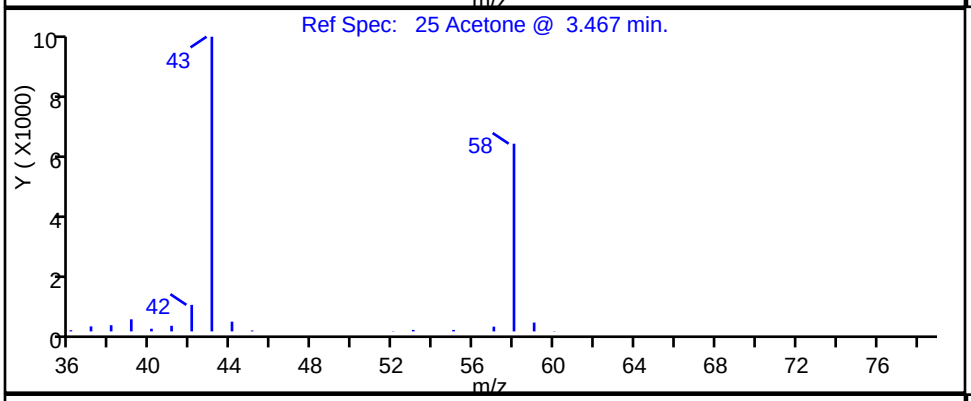
25 Acetone, CAS: 67-64-1

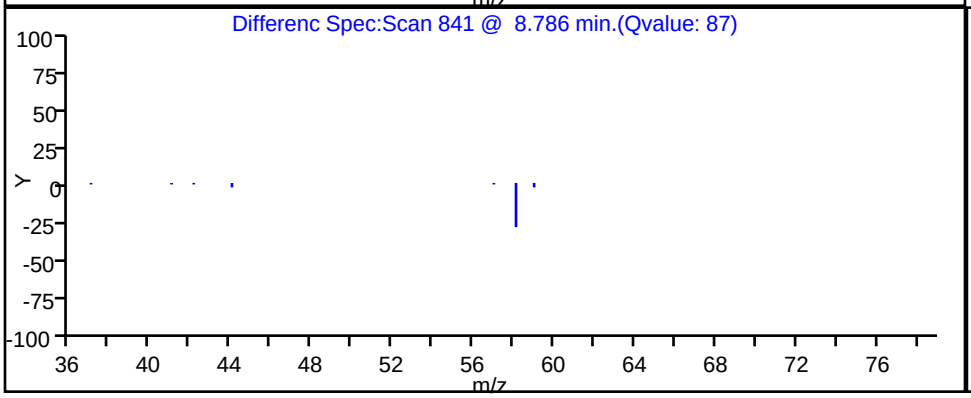


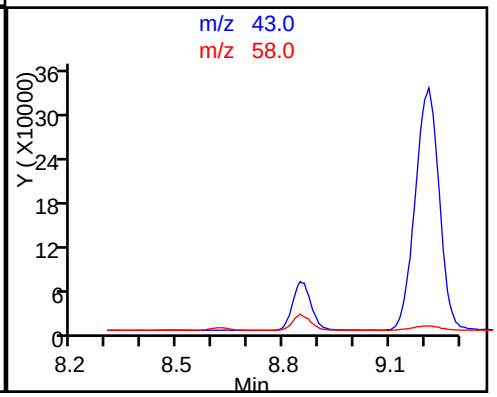












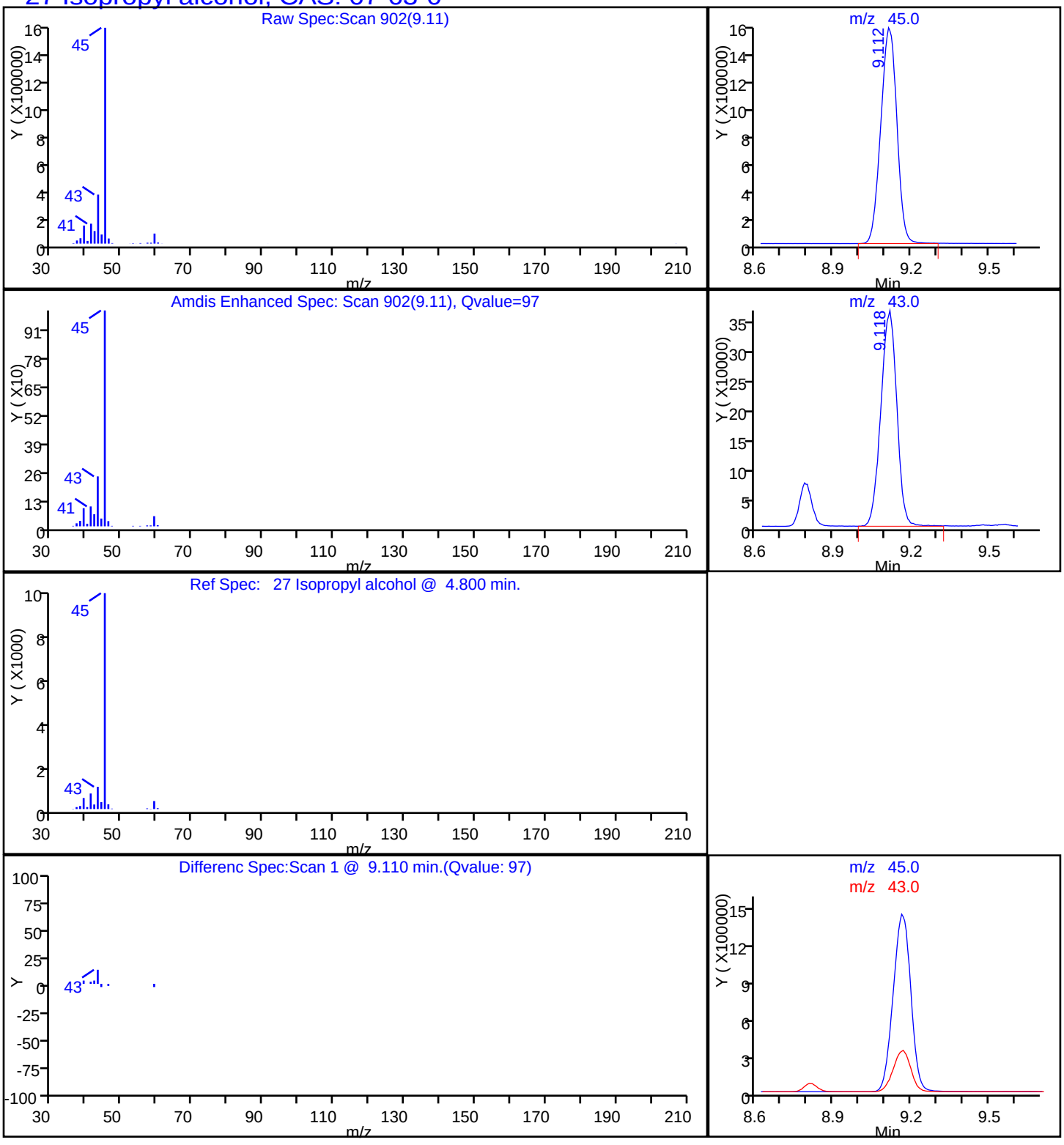
Report Date: 18-Feb-2014 11:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



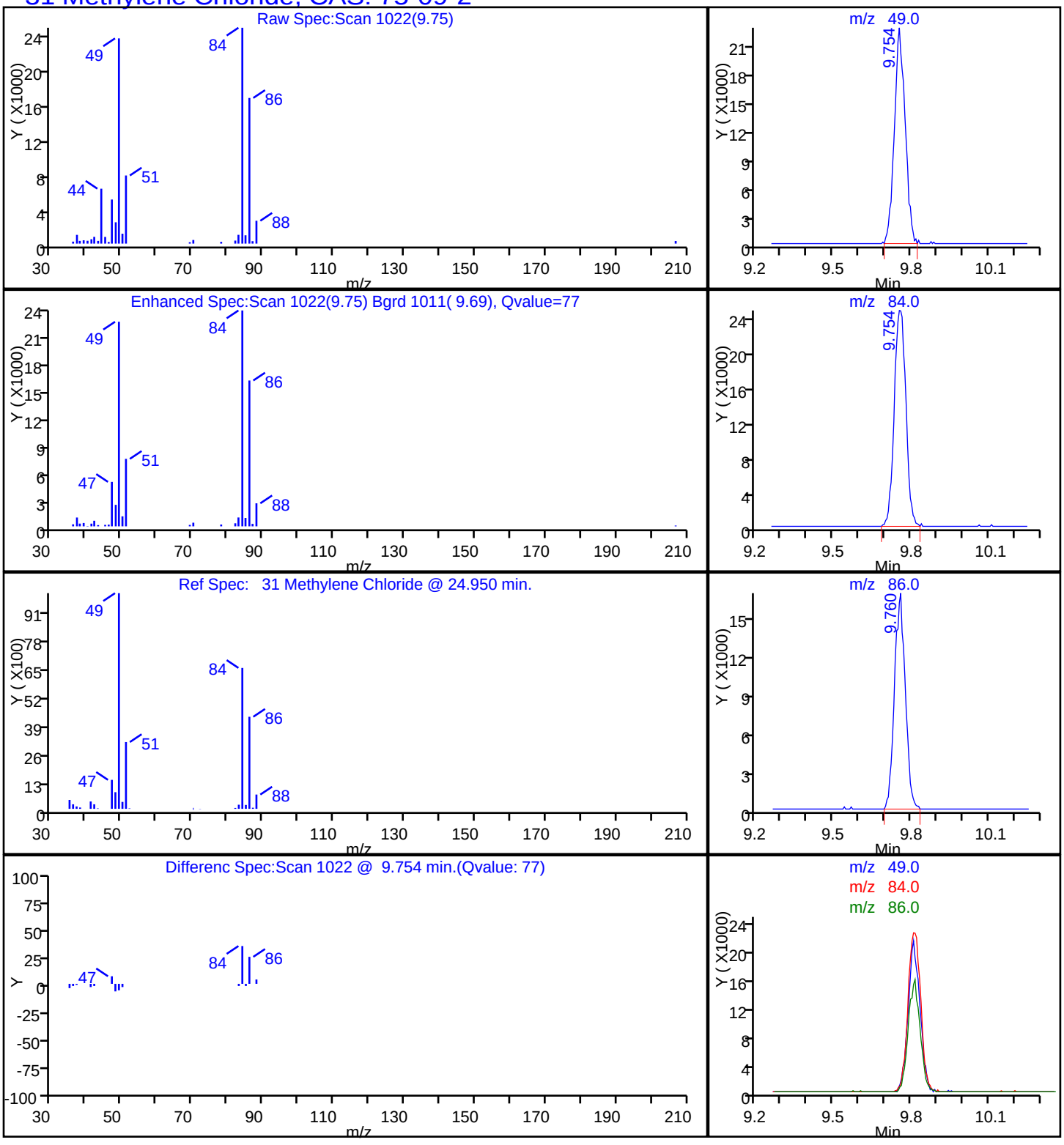
Report Date: 18-Feb-2014 11:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



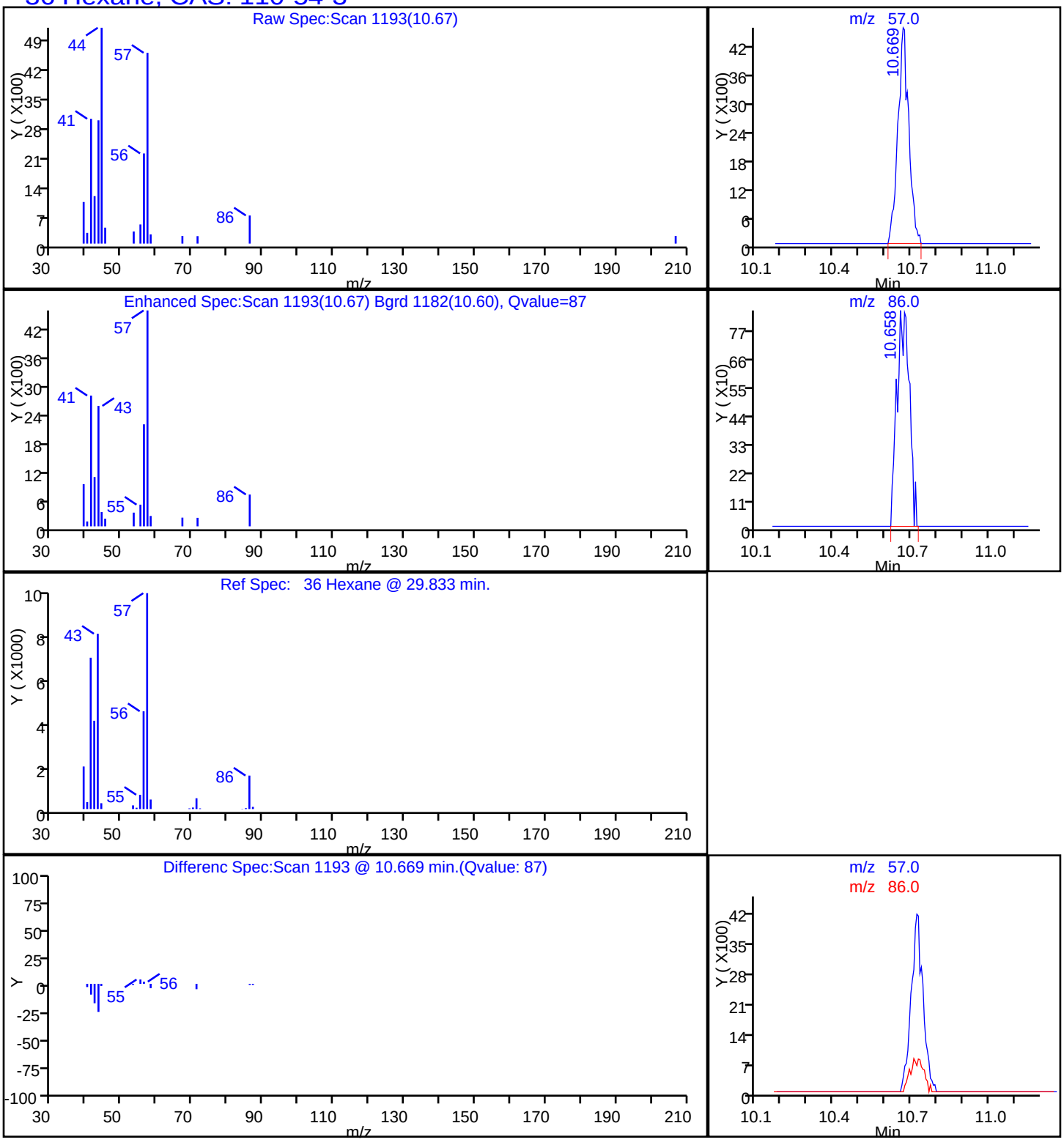
Report Date: 18-Feb-2014 11:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



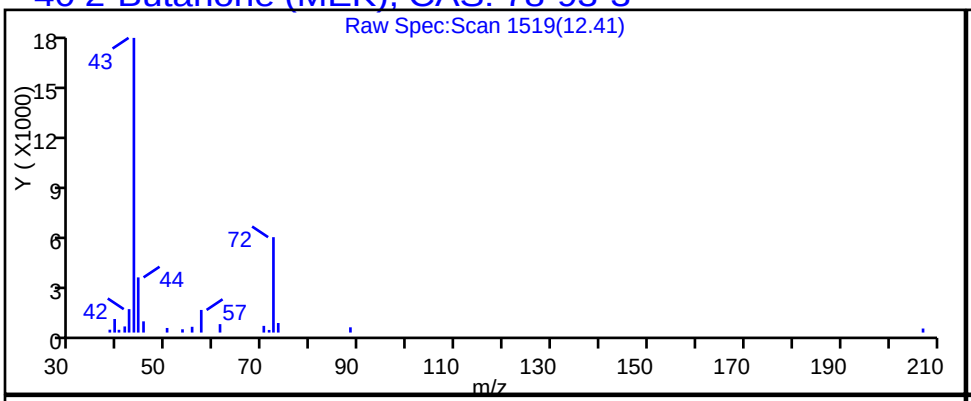
Report Date: 18-Feb-2014 11:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

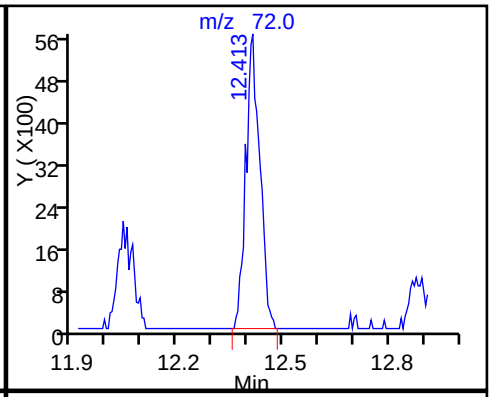
TestAmerica Burlington

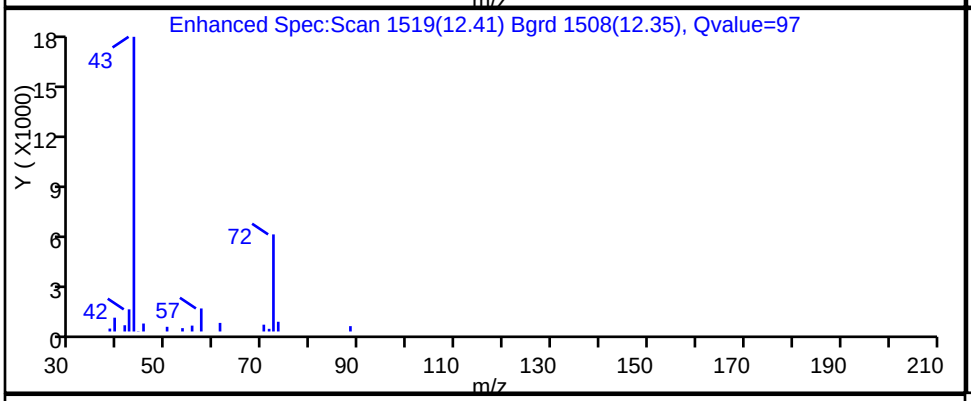
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

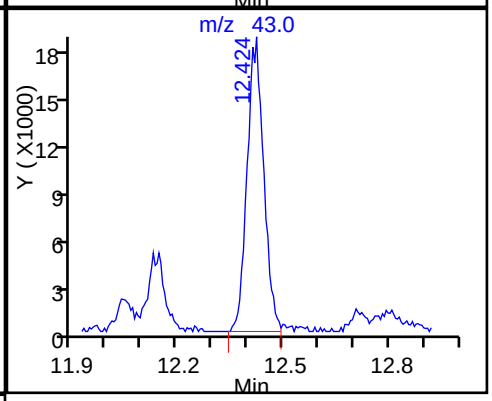
Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

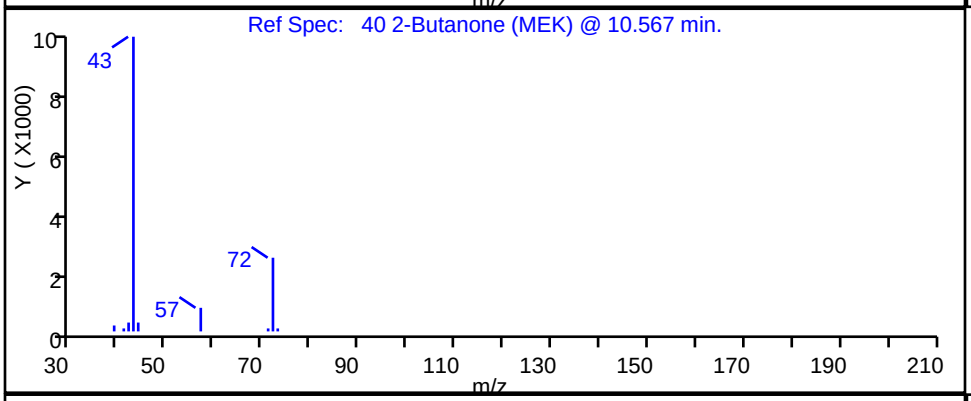
40 2-Butanone (MEK), CAS: 78-93-3

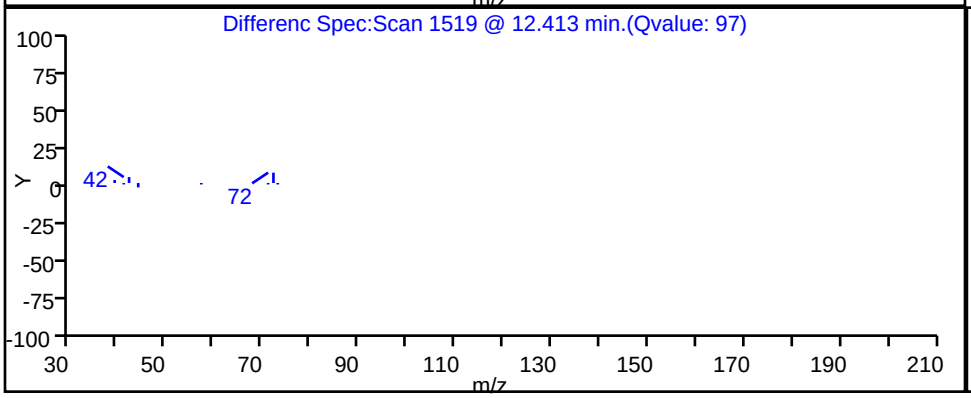


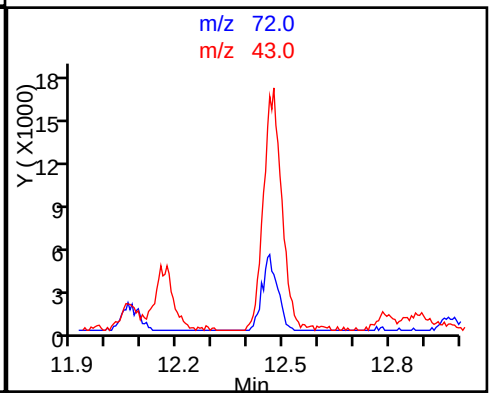












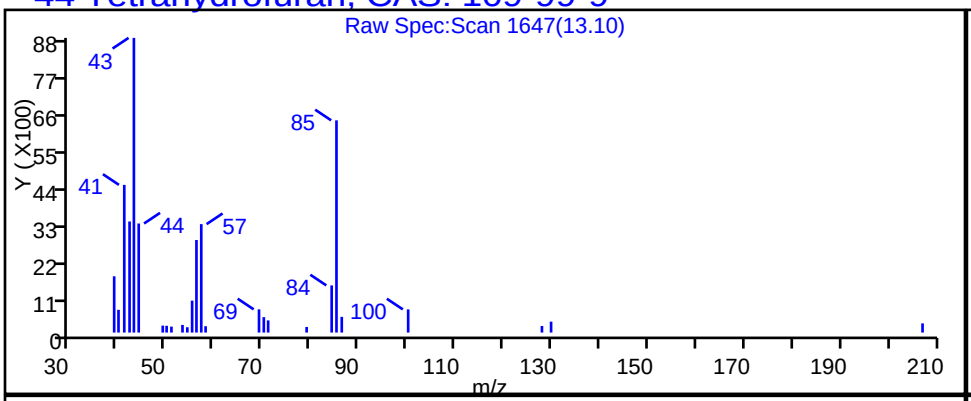
Report Date: 18-Feb-2014 11:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

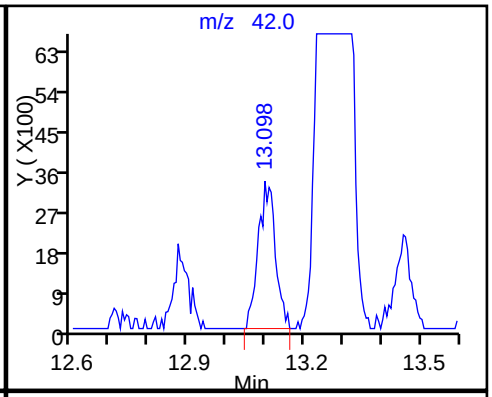
TestAmerica Burlington

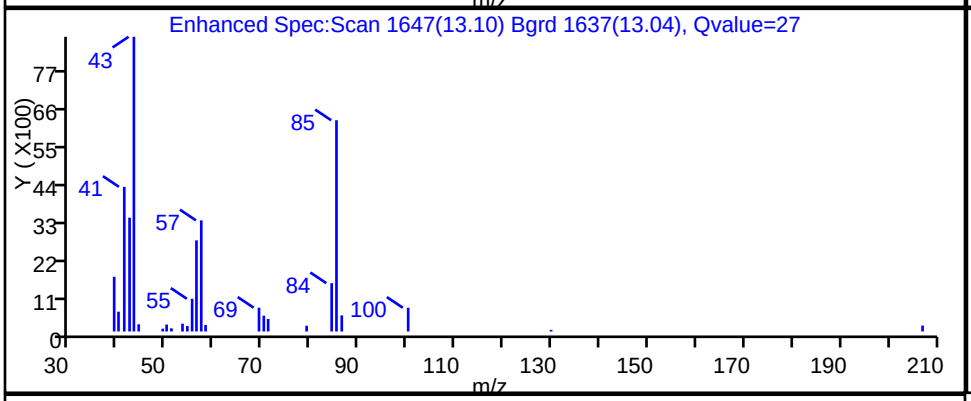
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

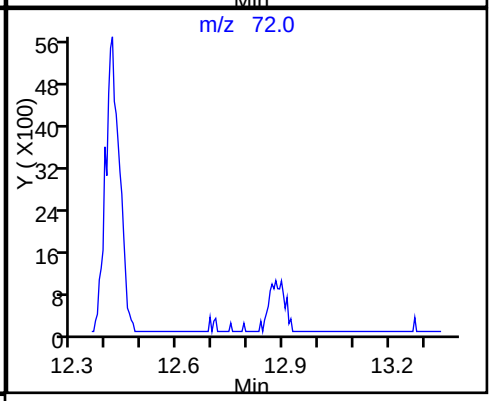
Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

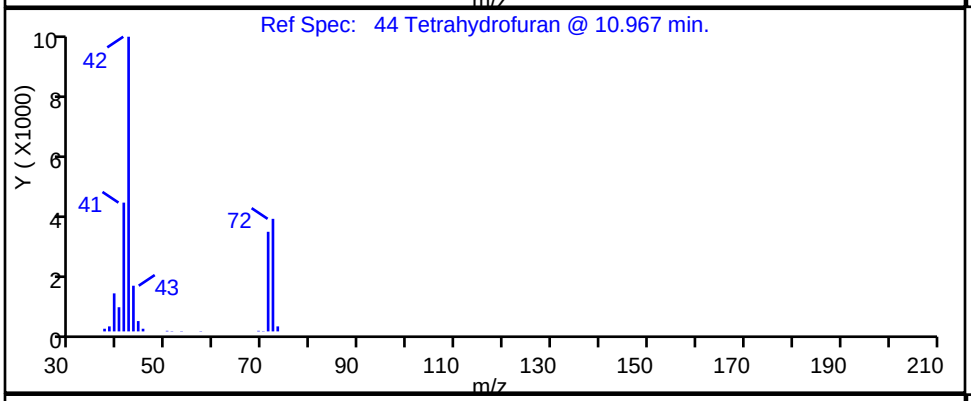
44 Tetrahydrofuran, CAS: 109-99-9

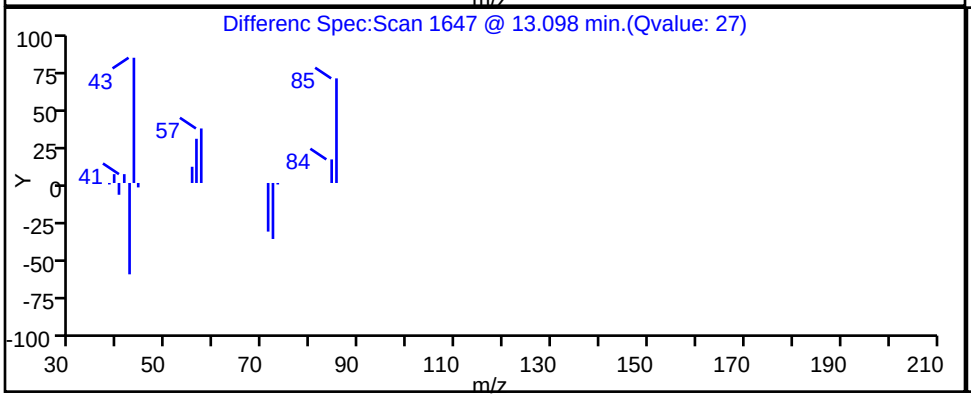


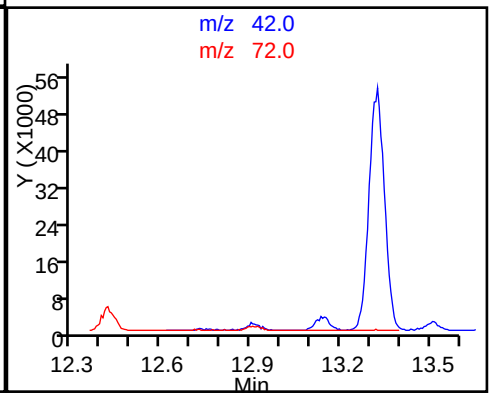












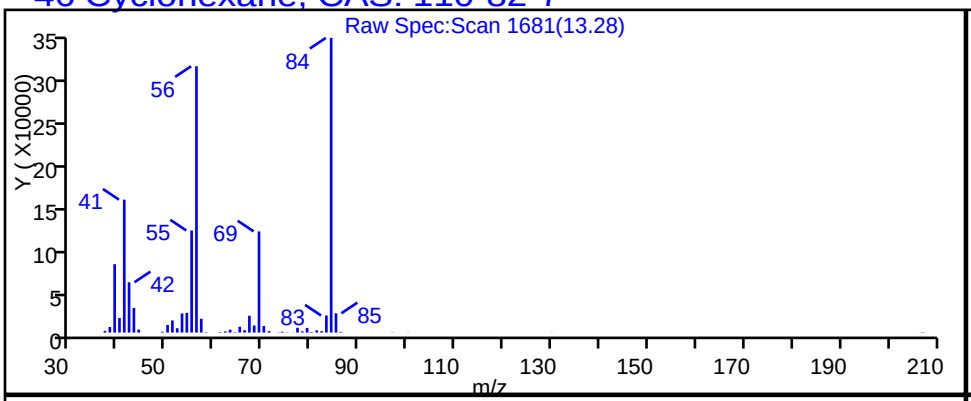
Report Date: 18-Feb-2014 11:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

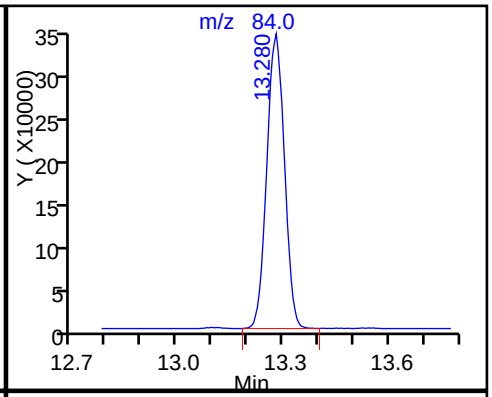
TestAmerica Burlington

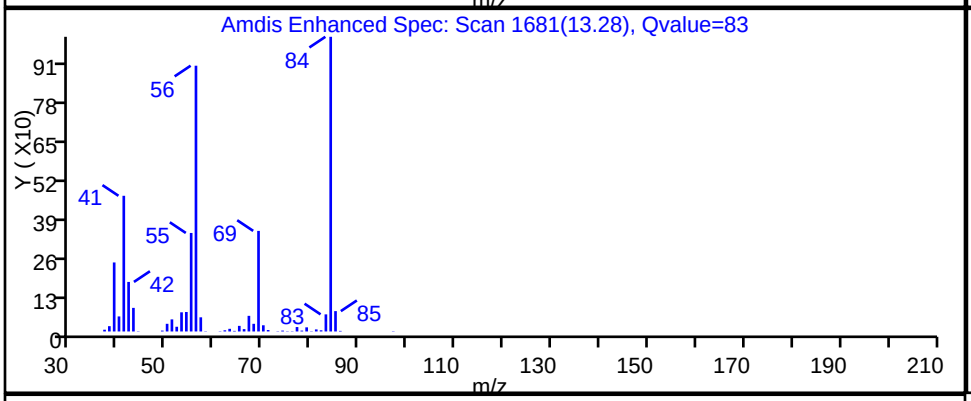
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

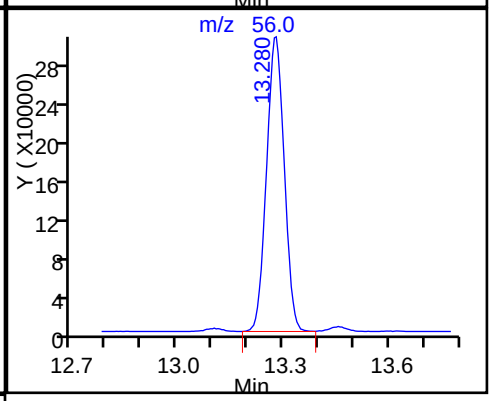
Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

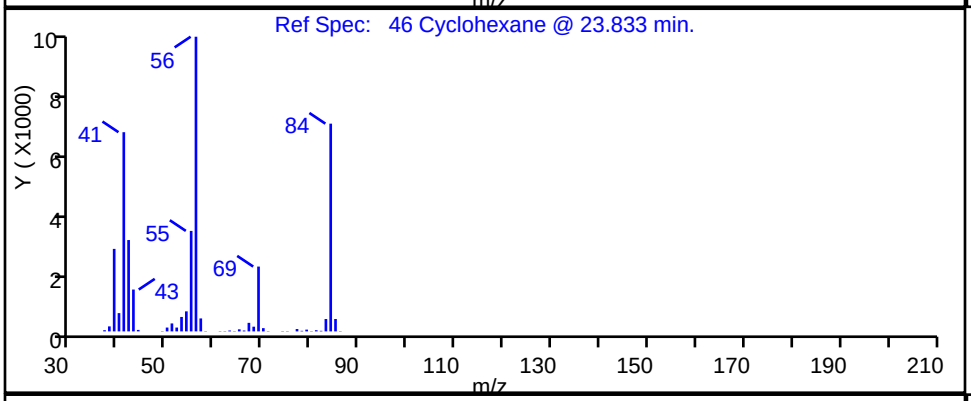
46 Cyclohexane, CAS: 110-82-7

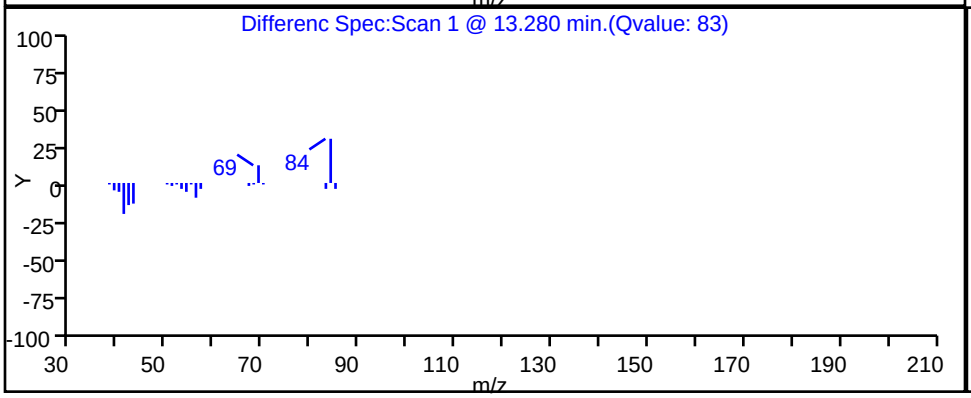


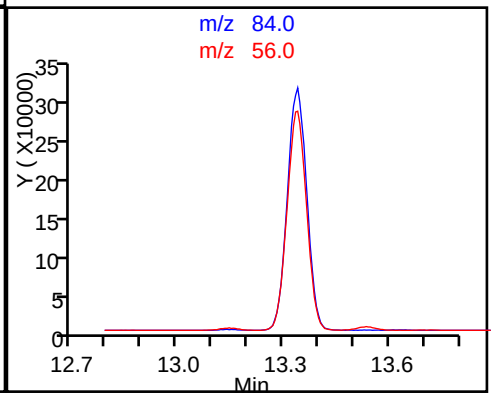












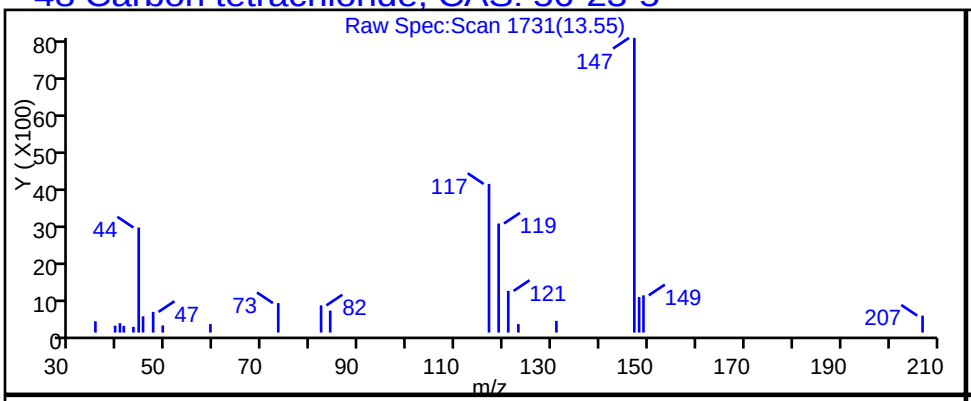
Report Date: 18-Feb-2014 11:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

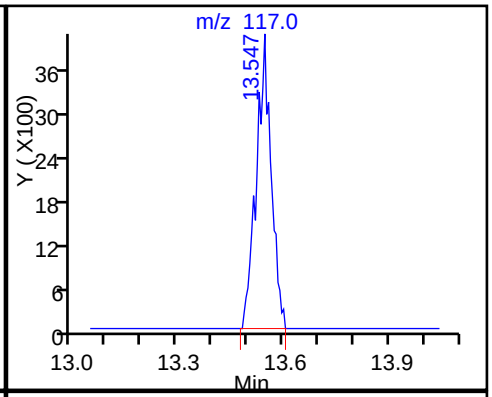
TestAmerica Burlington

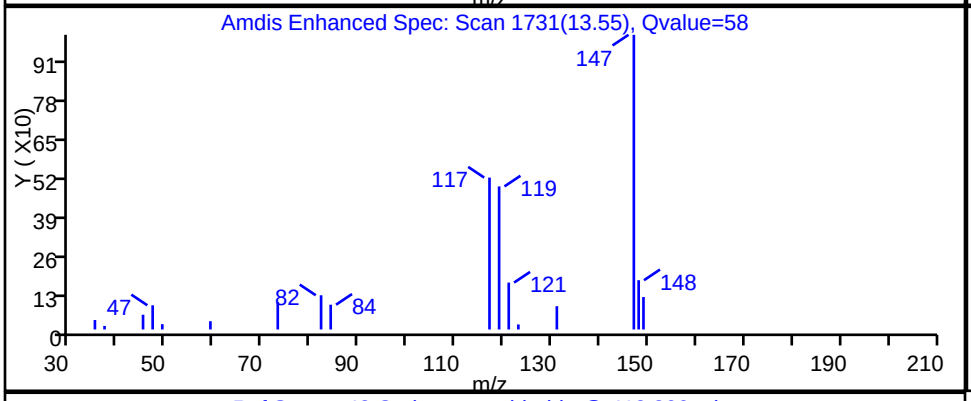
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

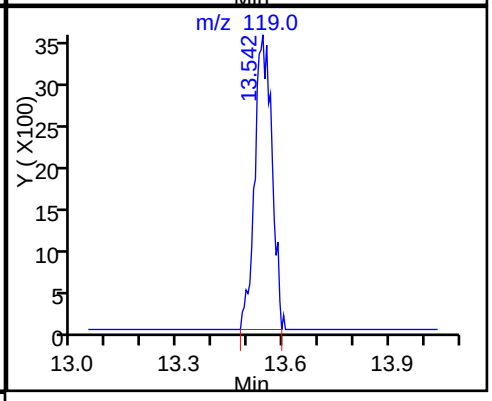
Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5
Client ID:	IA-VMP-2C		
Operator ID:	bl	ALS Bottle#:	15 Worklist Smp#: 17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

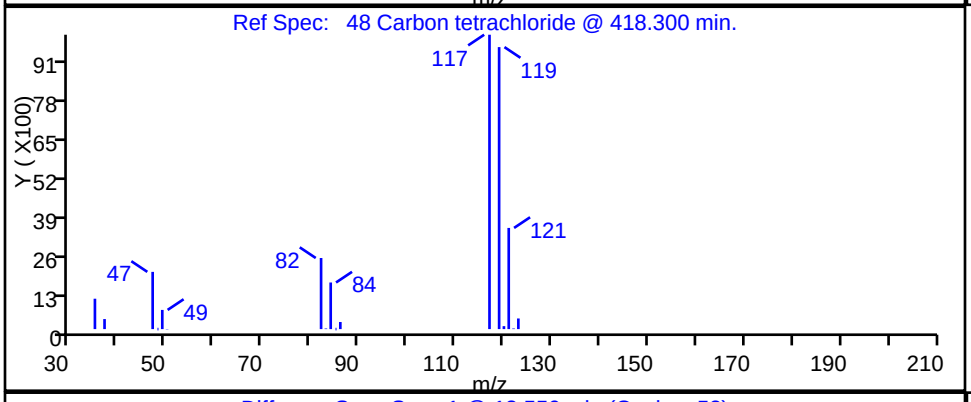
48 Carbon tetrachloride, CAS: 56-23-5

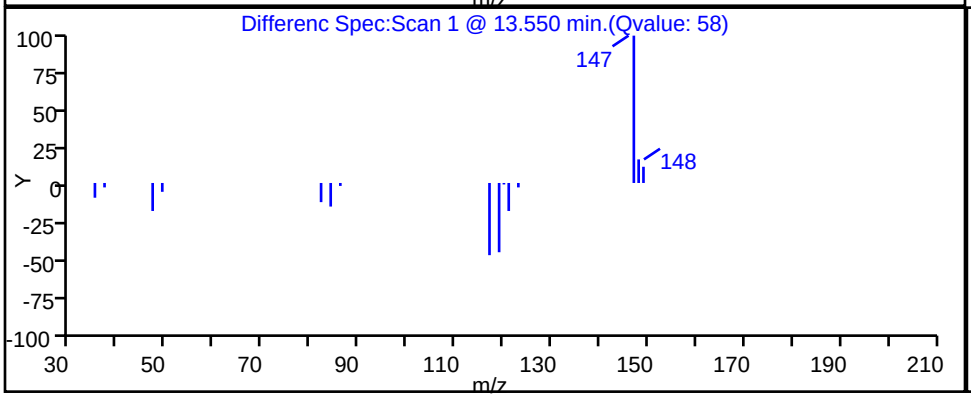


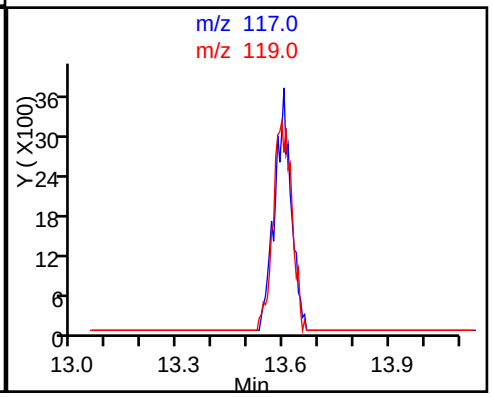












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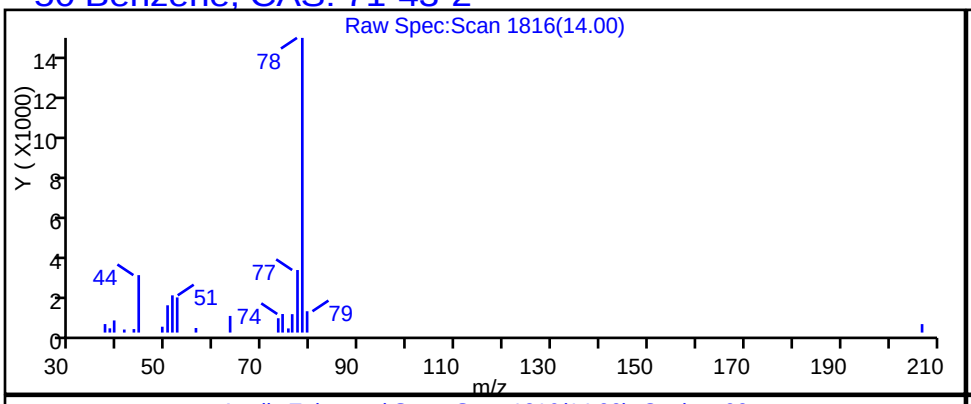
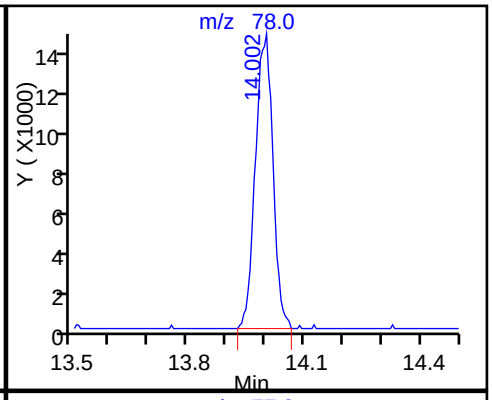
TestAmerica Burlington

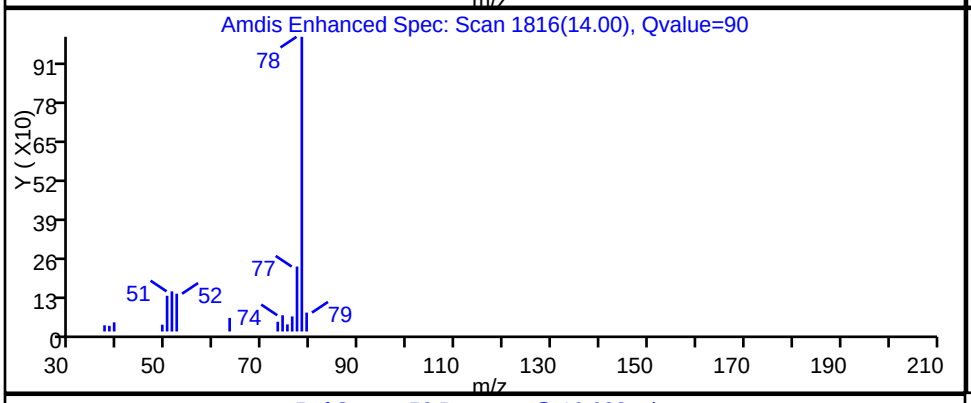
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

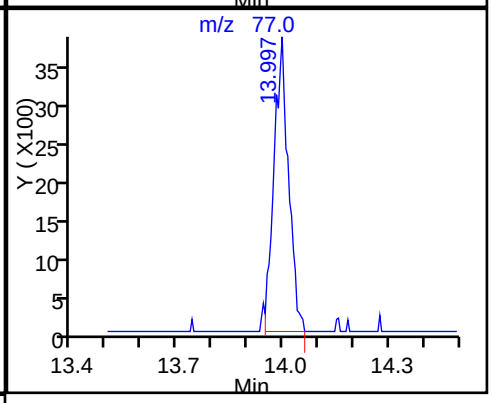
Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5
Client ID:	IA-VMP-2C		
Operator ID:	bl	ALS Bottle#:	15 Worklist Smp#: 17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

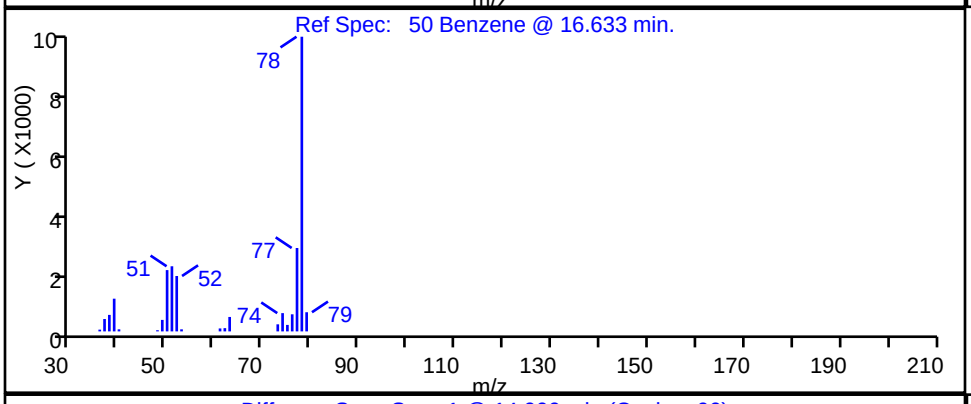
50 Benzene, CAS: 71-43-2

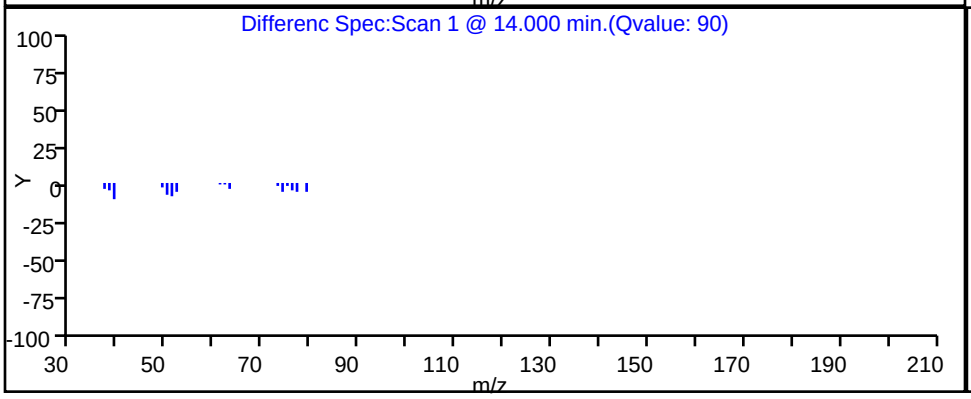


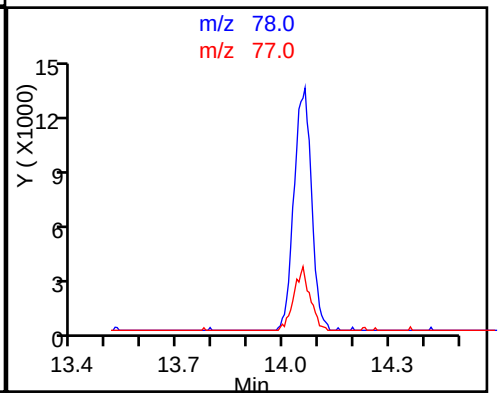












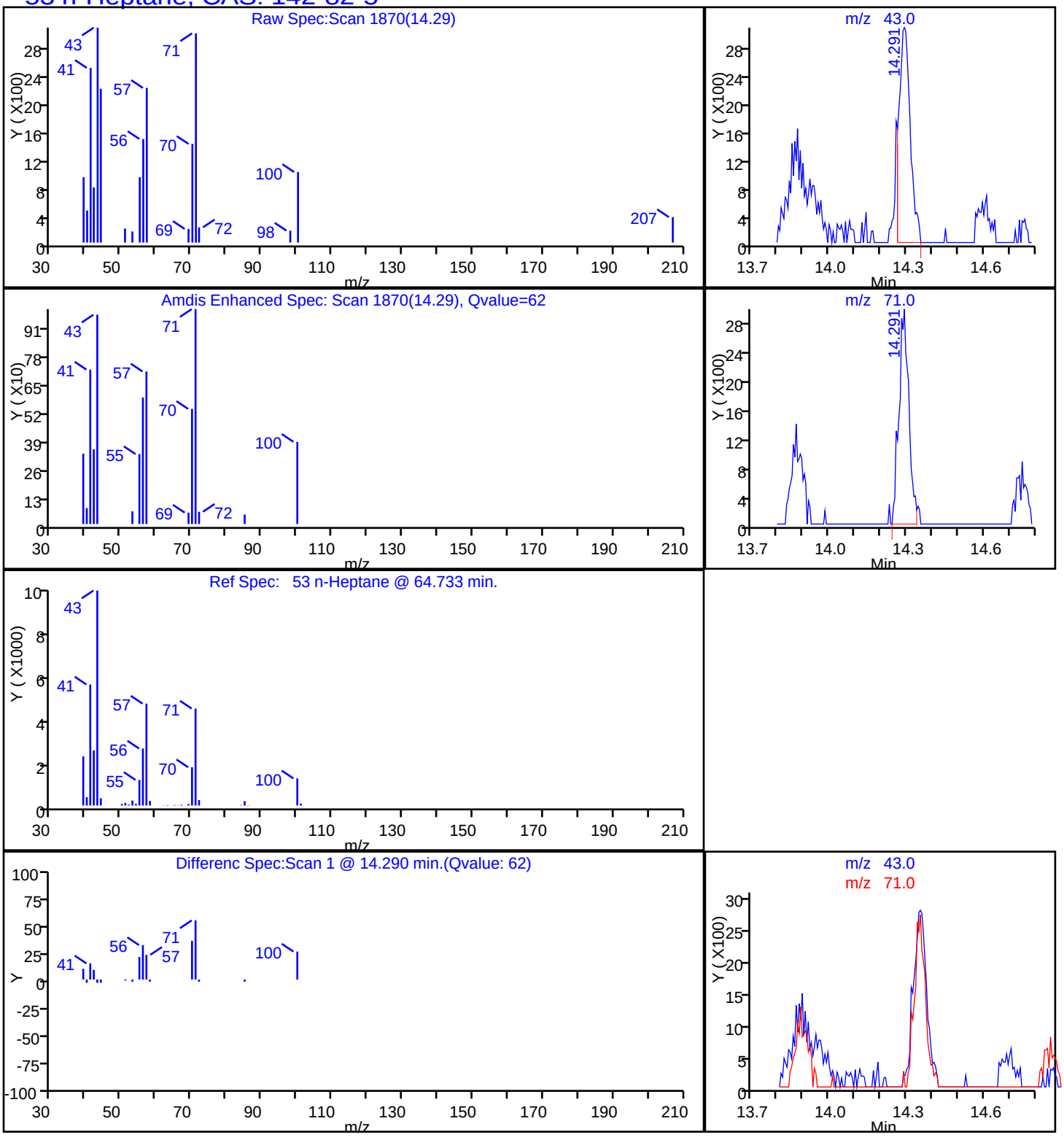
Report Date: 18-Feb-2014 11:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5



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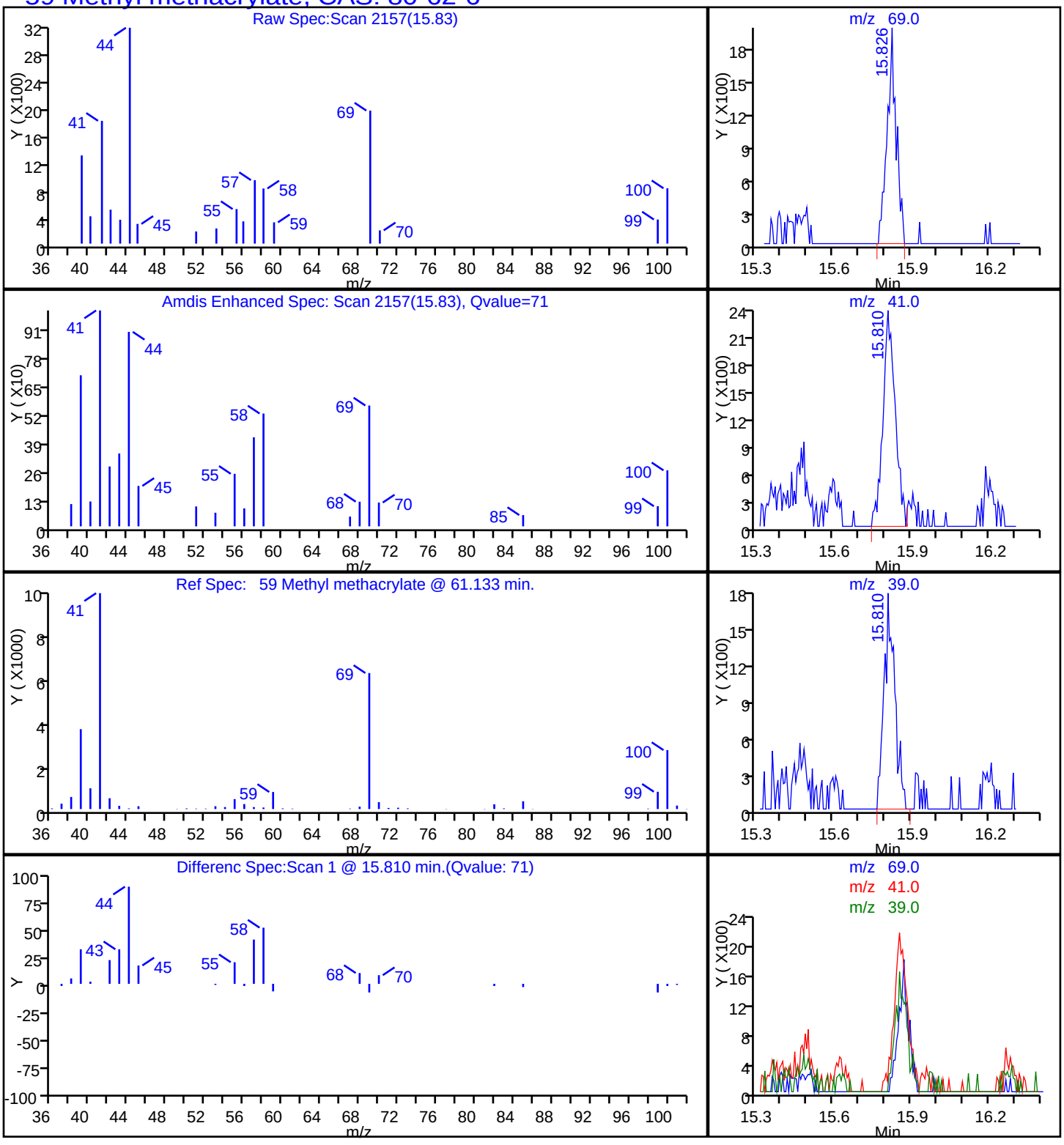
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5
Client ID:	IA-VMP-2C		
Operator ID:	bl	ALS Bottle#:	15 Worklist Smp#: 17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

59 Methyl methacrylate, CAS: 80-62-6



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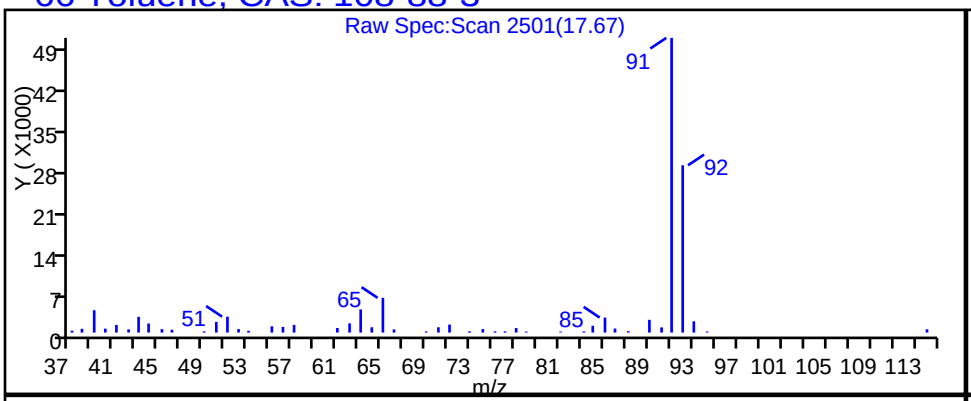
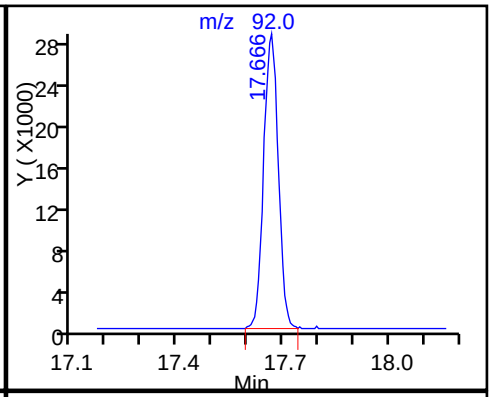
TestAmerica Burlington

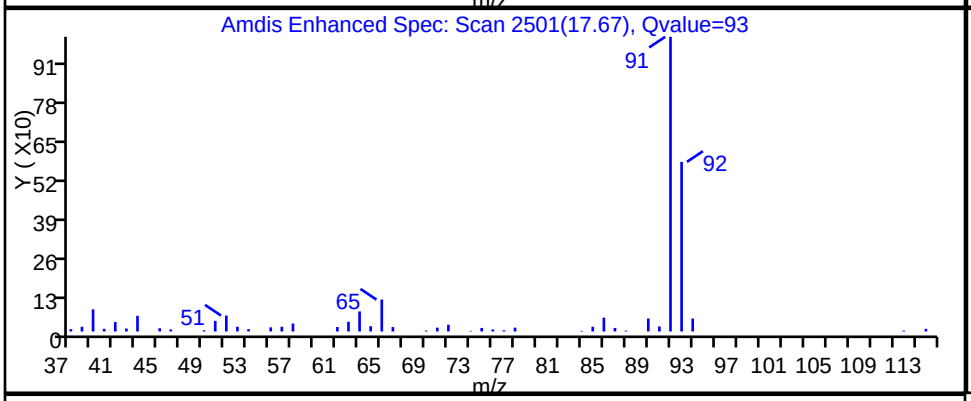
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

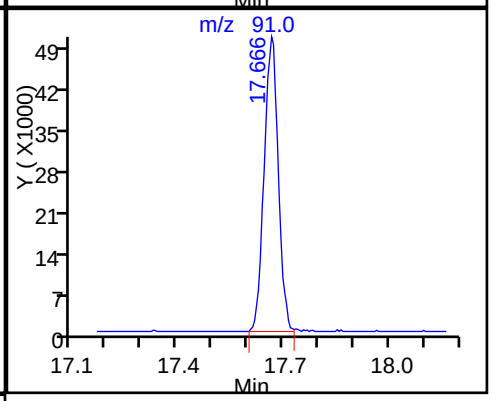
Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

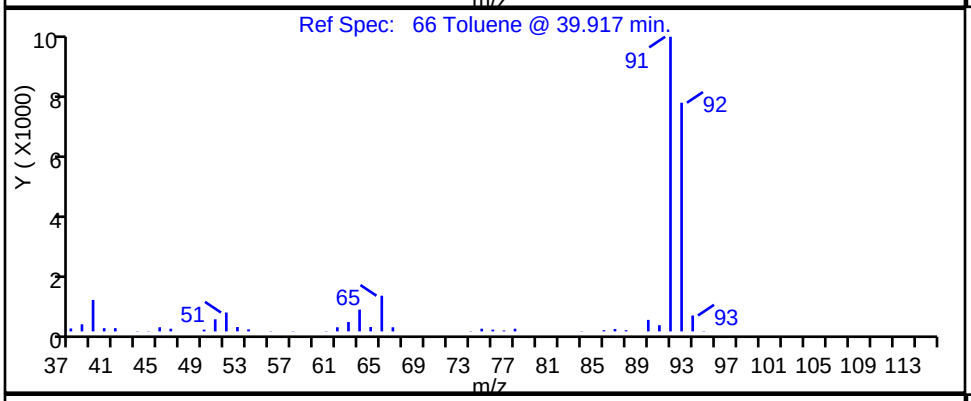
66 Toluene, CAS: 108-88-3

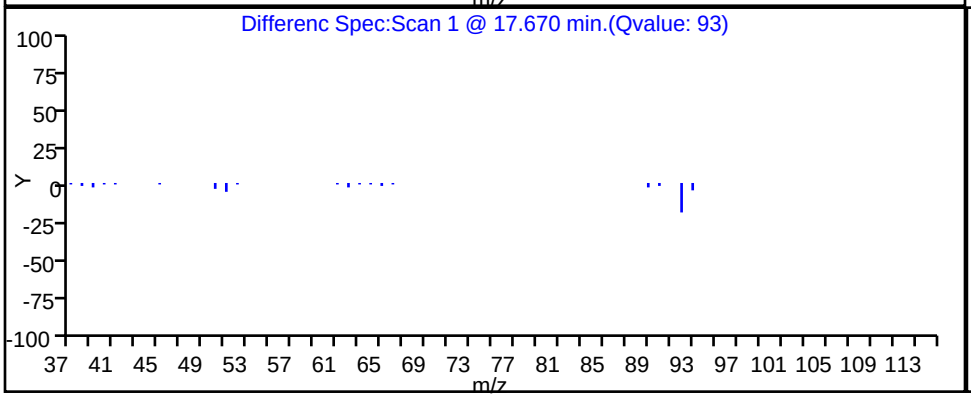


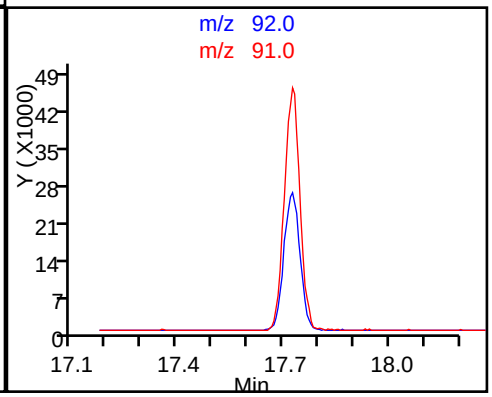












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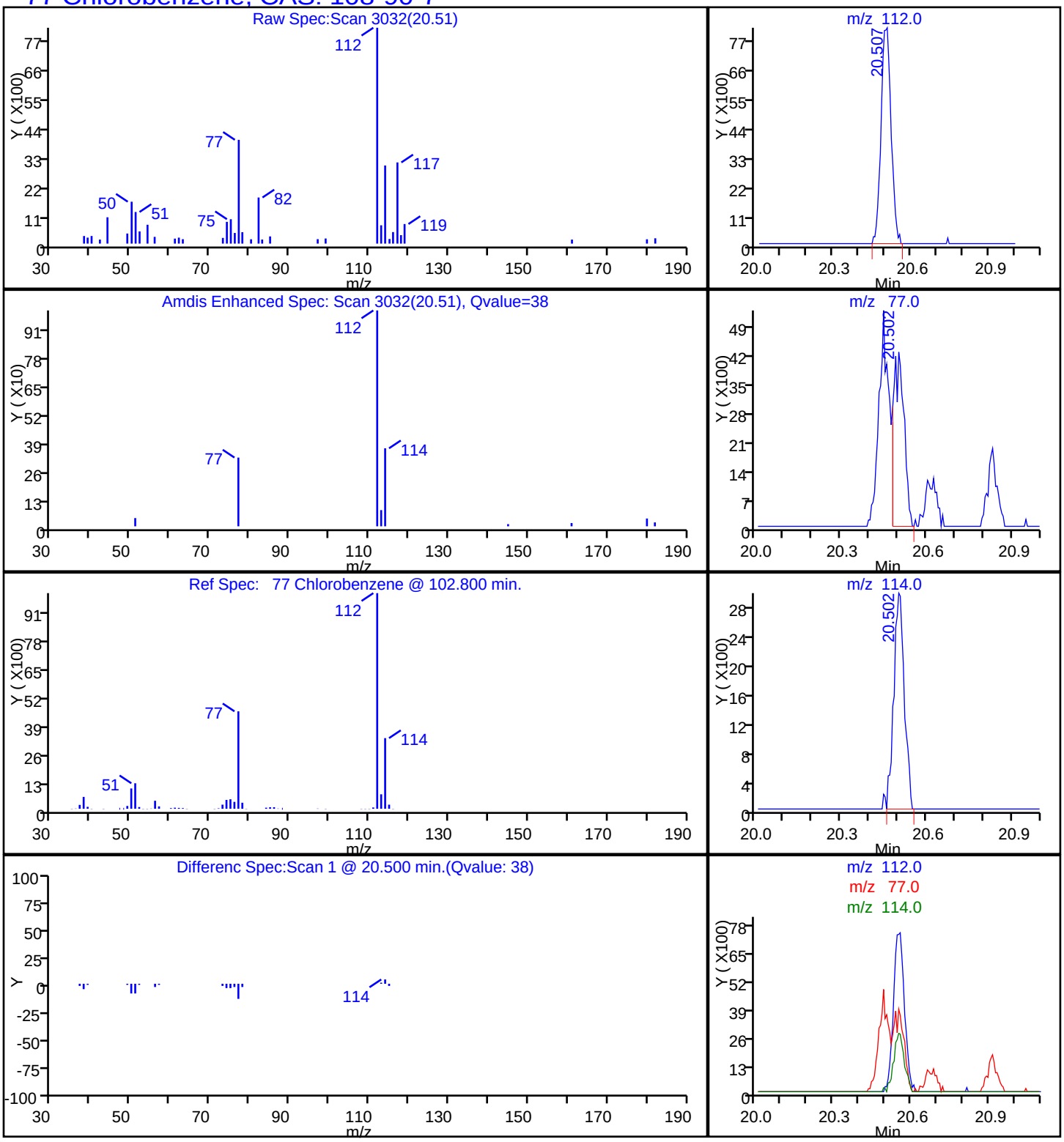
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

77 Chlorobenzene, CAS: 108-90-7



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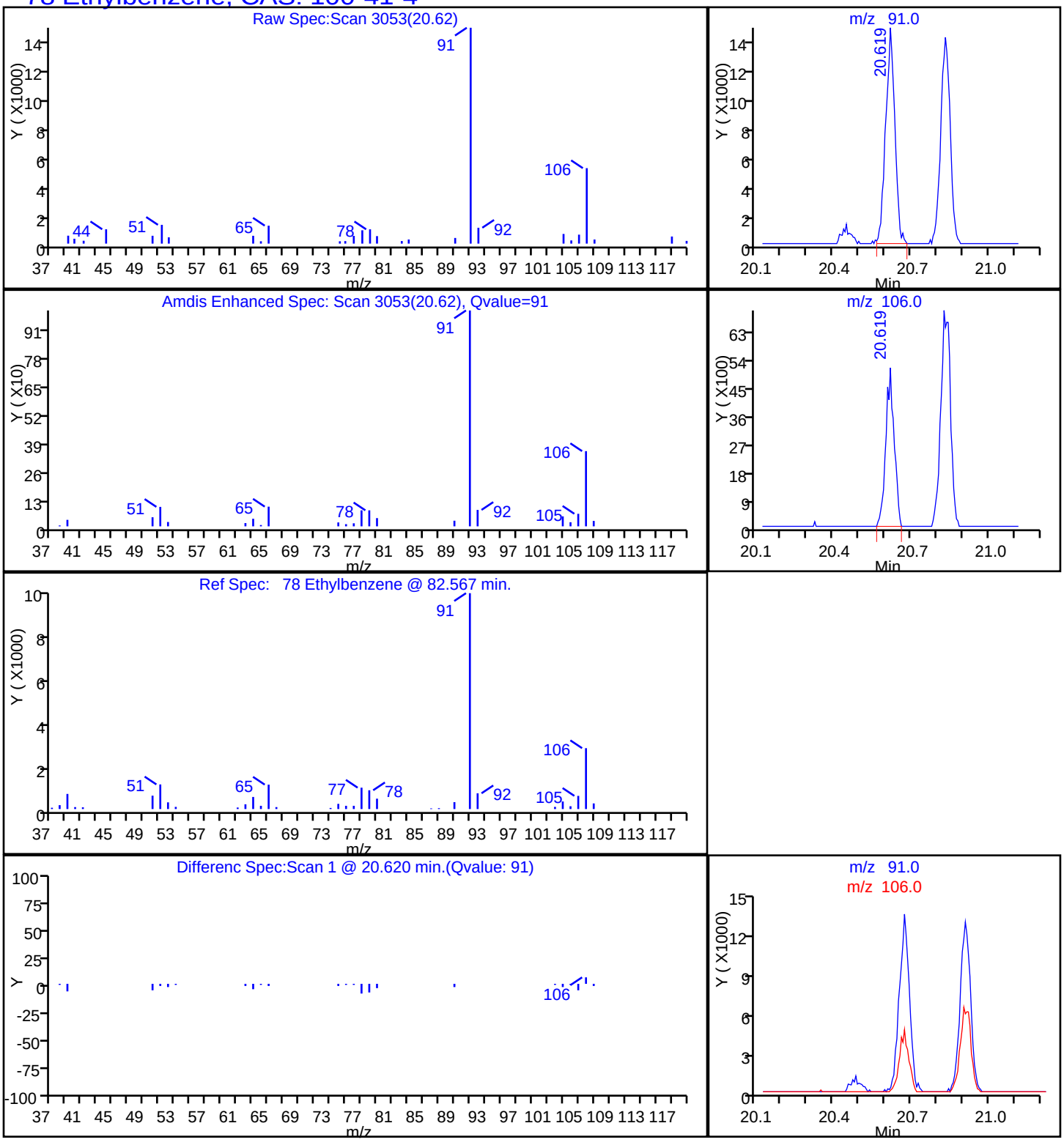
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4



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Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

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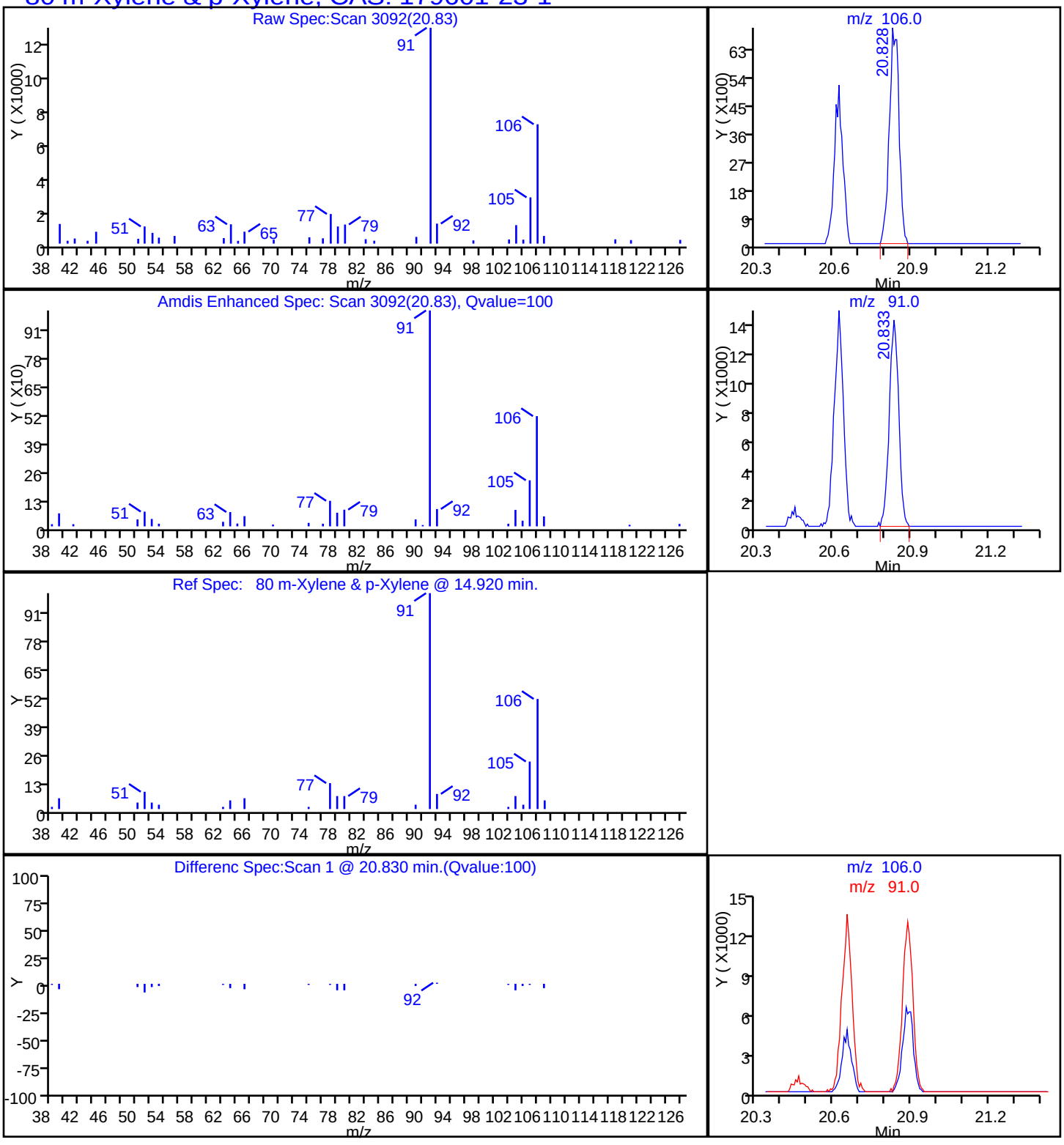
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



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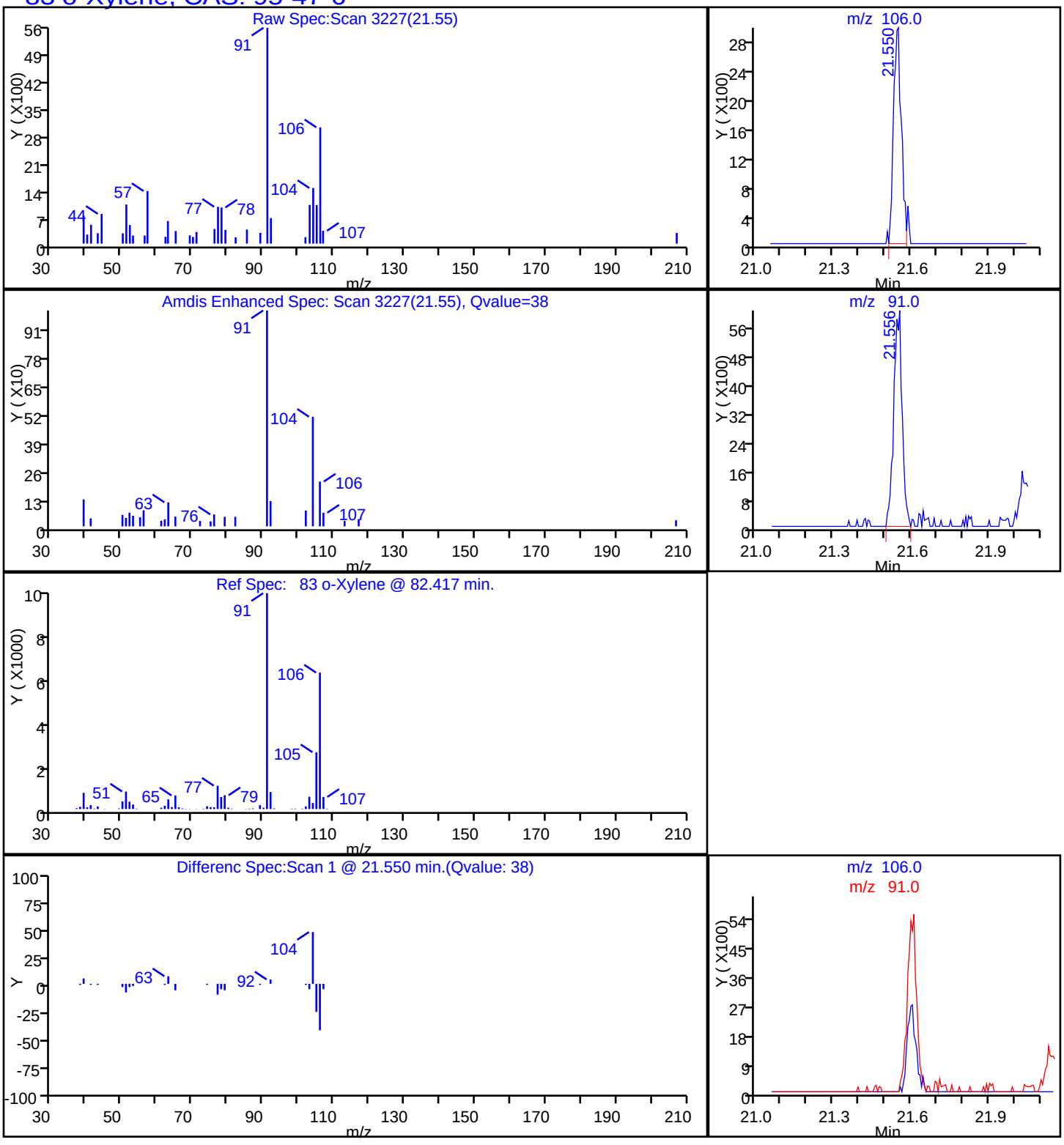
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5
Client ID:	IA-VMP-2C		
Operator ID:	bl	ALS Bottle#:	15 Worklist Smp#: 17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

83 o-Xylene, CAS: 95-47-6



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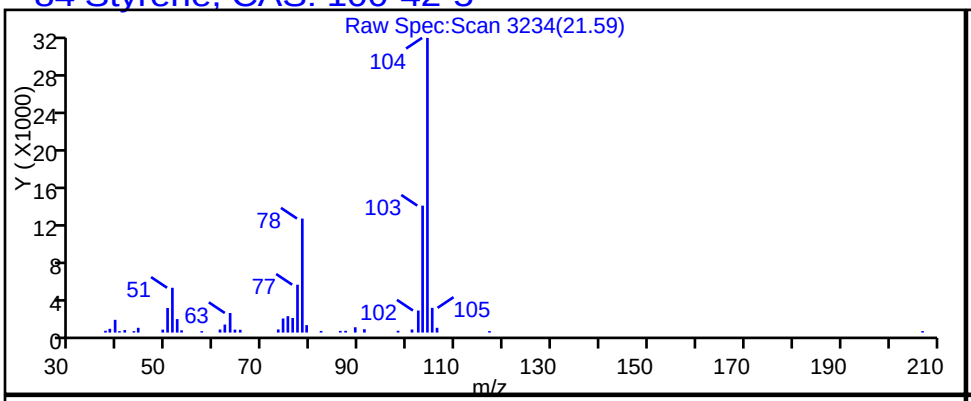
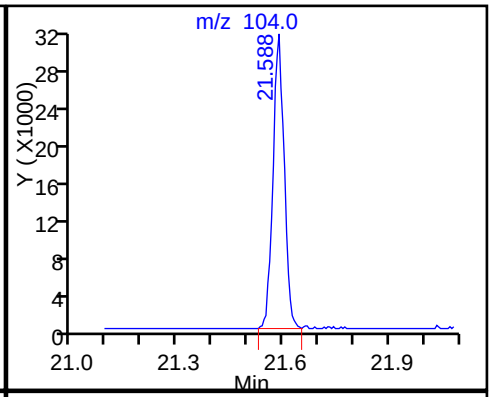
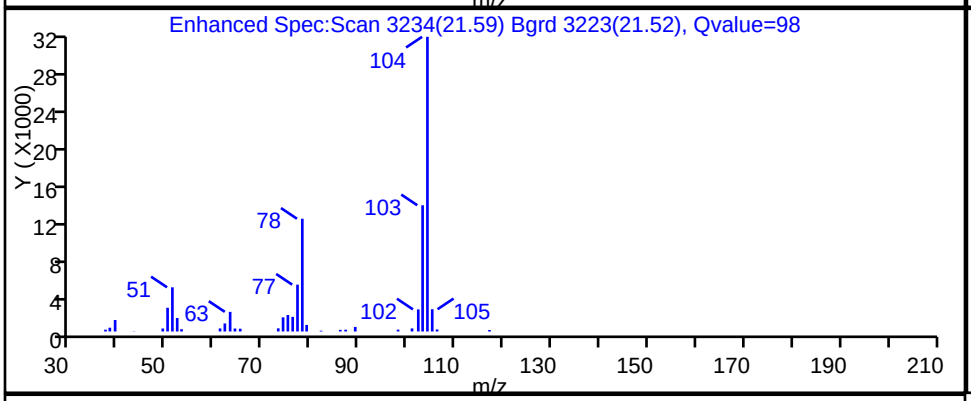
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

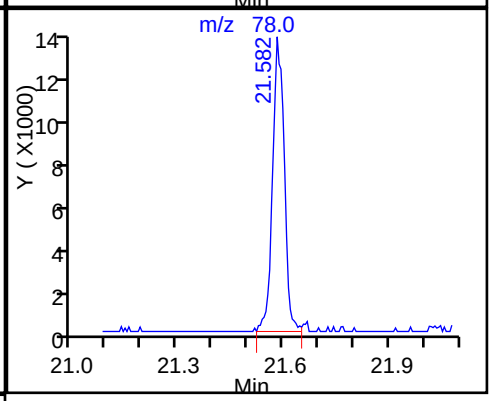
Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

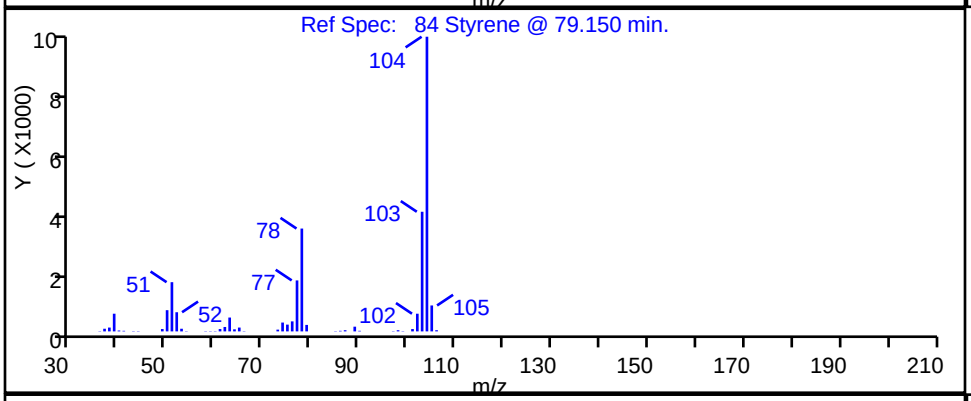
84 Styrene, CAS: 100-42-5

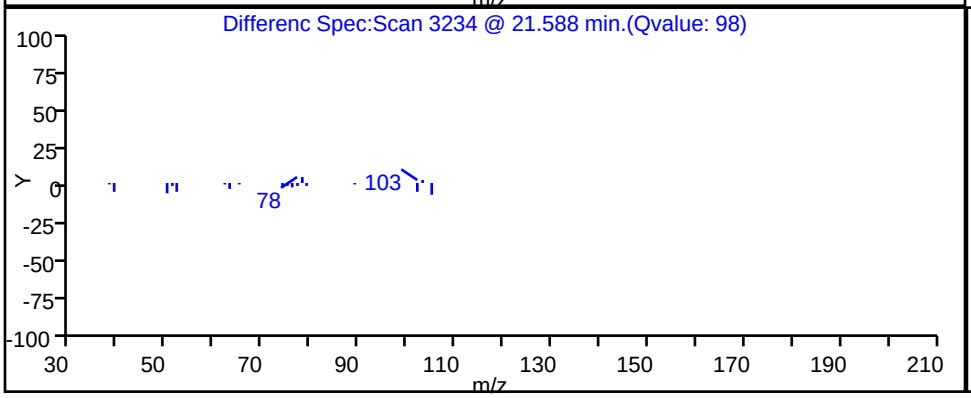


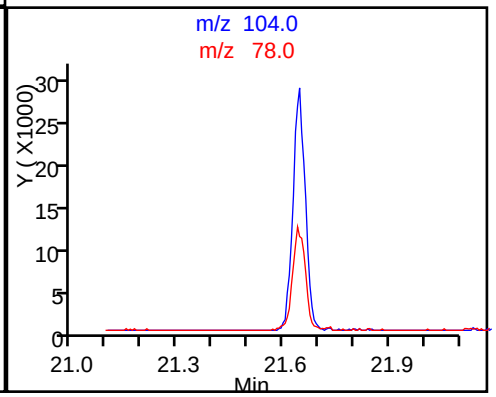












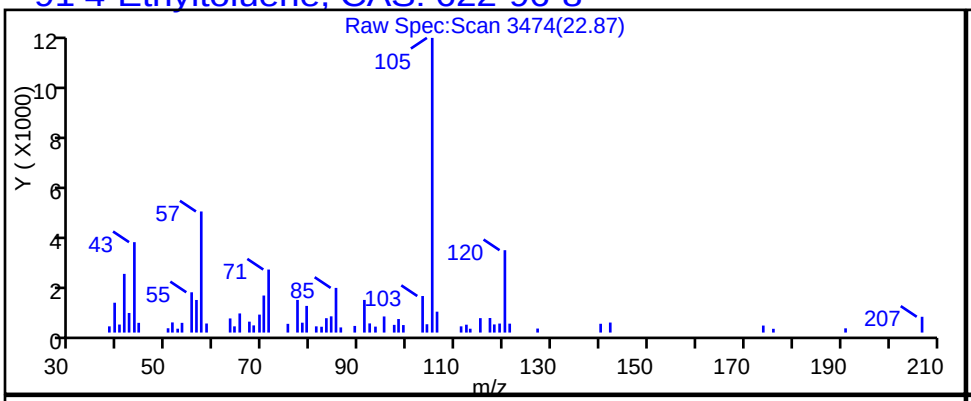
Report Date: 18-Feb-2014 11:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

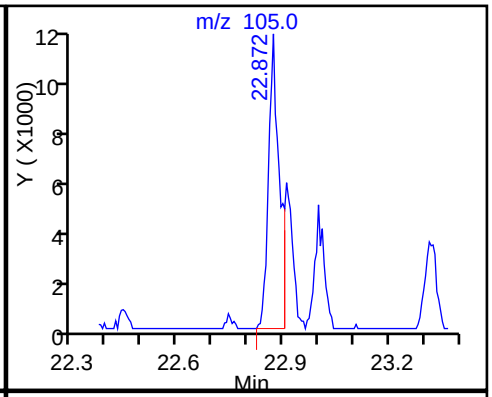
TestAmerica Burlington

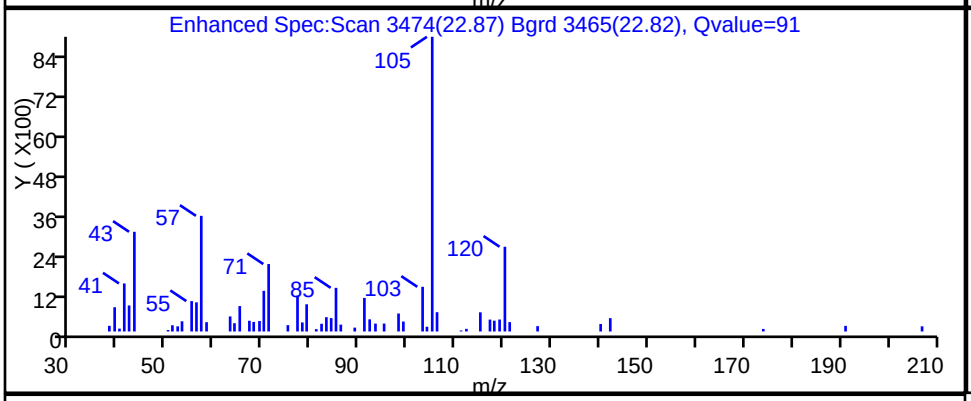
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

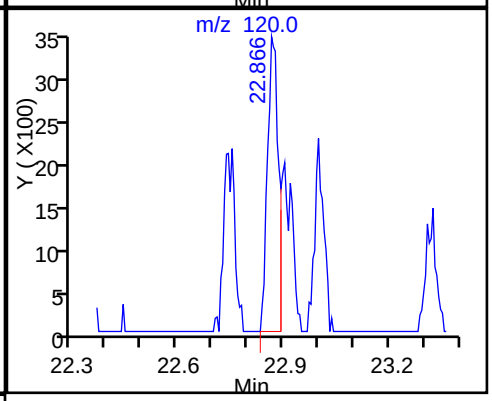
Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

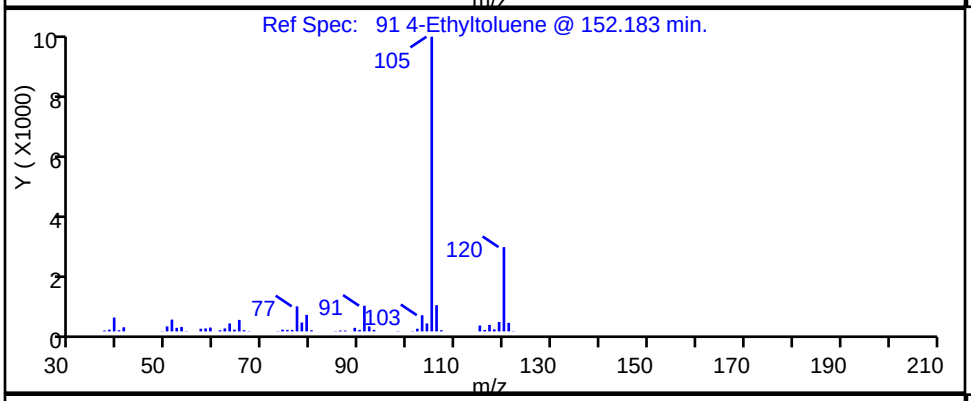
91 4-Ethyltoluene, CAS: 622-96-8

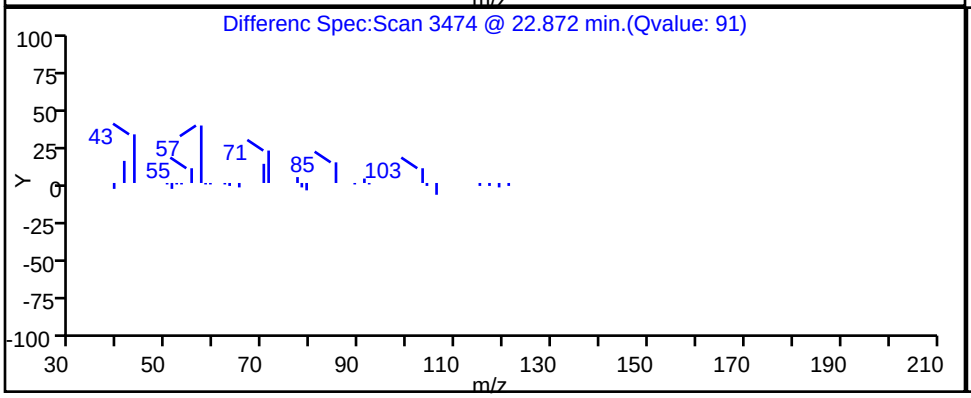


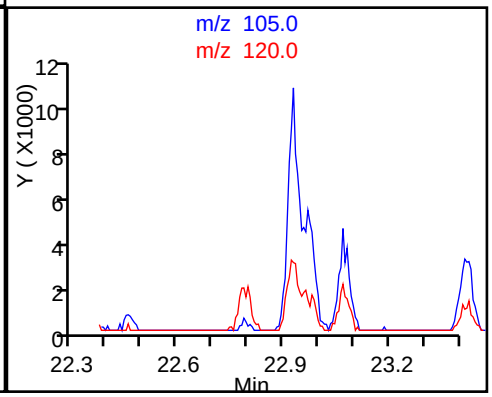












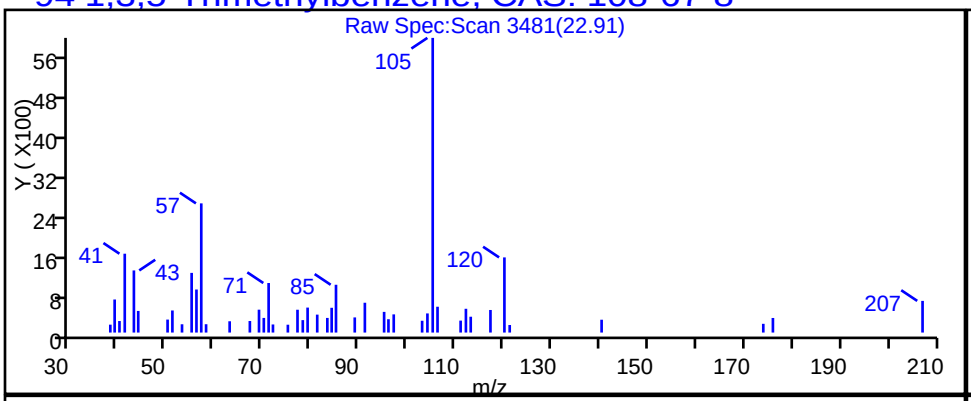
Report Date: 18-Feb-2014 11:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

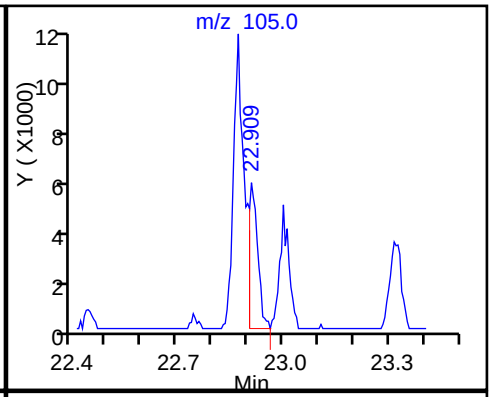
TestAmerica Burlington

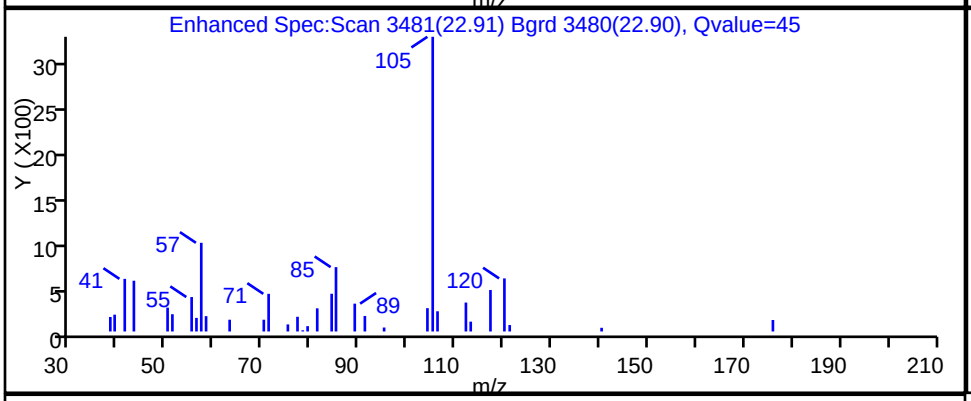
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

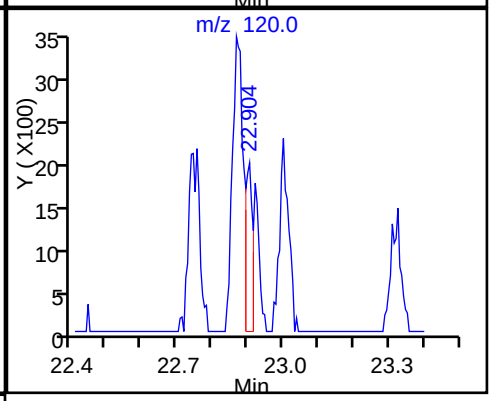
Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

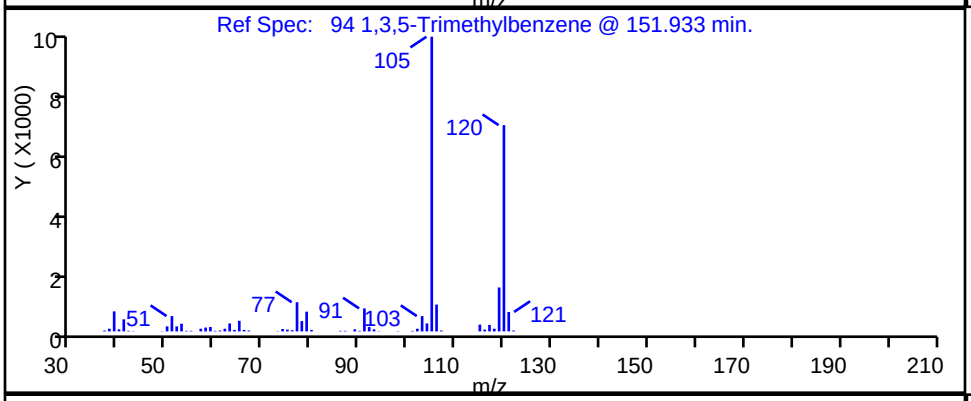
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

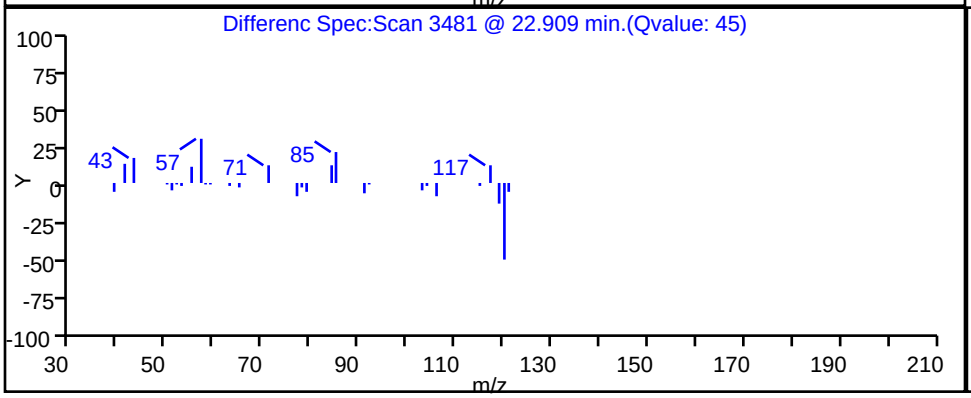


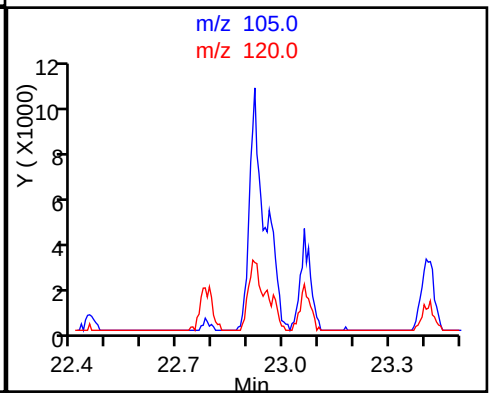












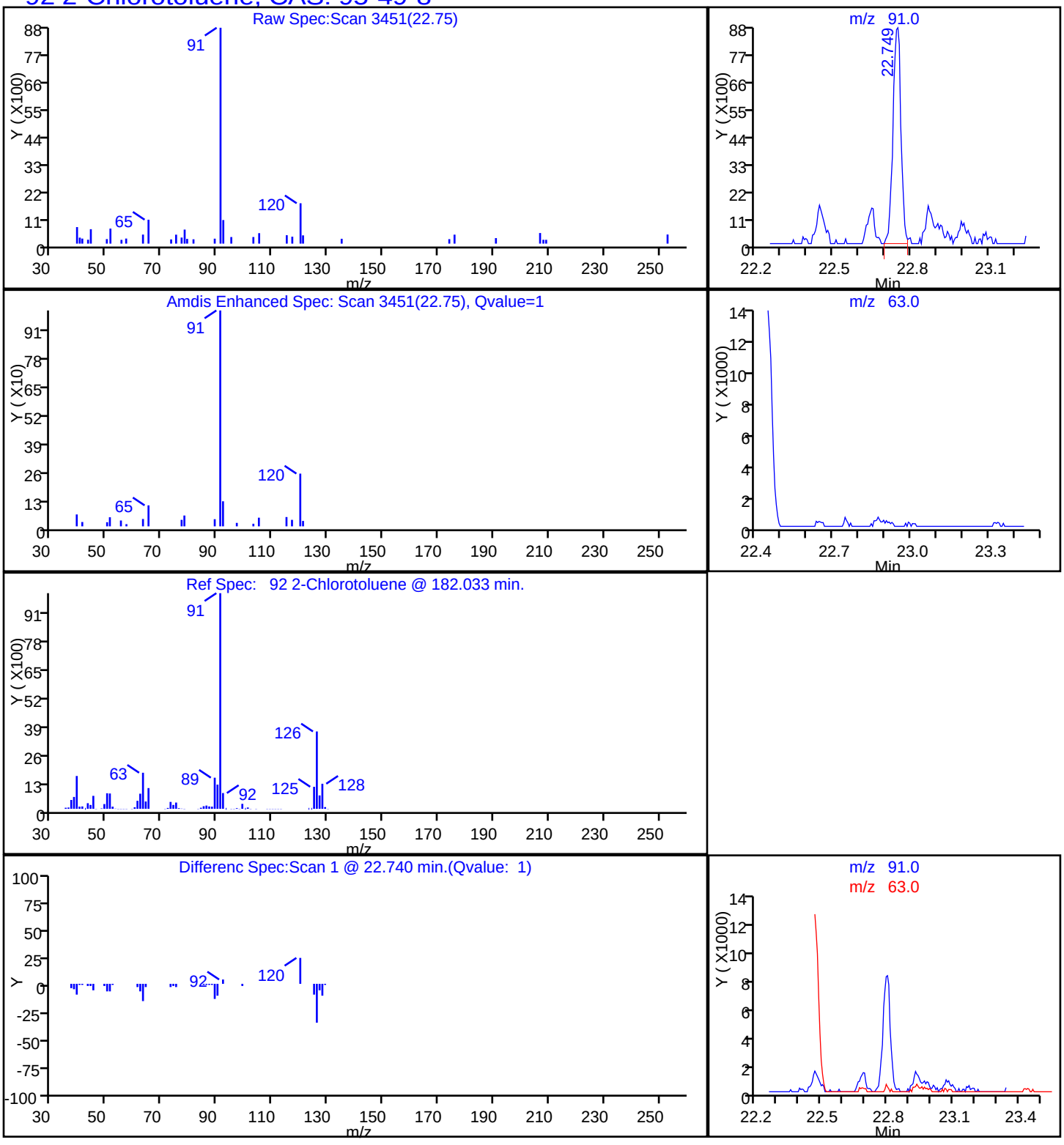
Report Date: 18-Feb-2014 11:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

92 2-Chlorotoluene, CAS: 95-49-8



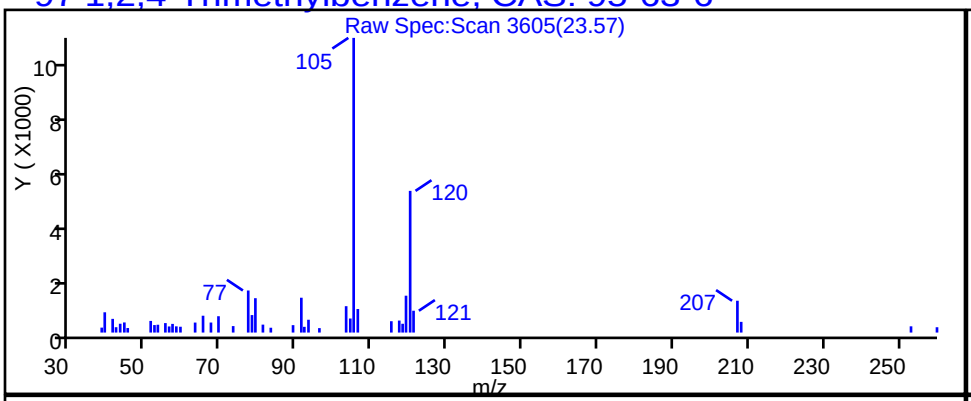
Report Date: 18-Feb-2014 11:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

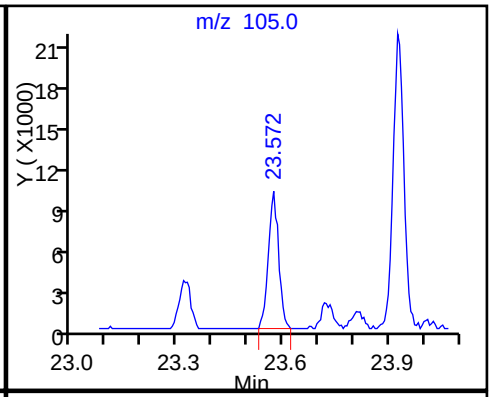
TestAmerica Burlington

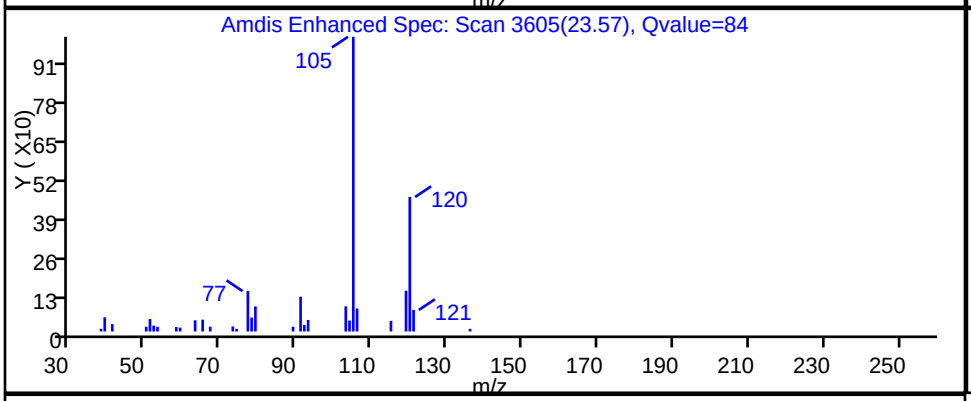
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d

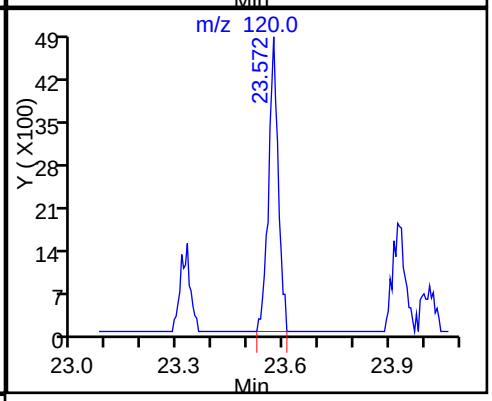
Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

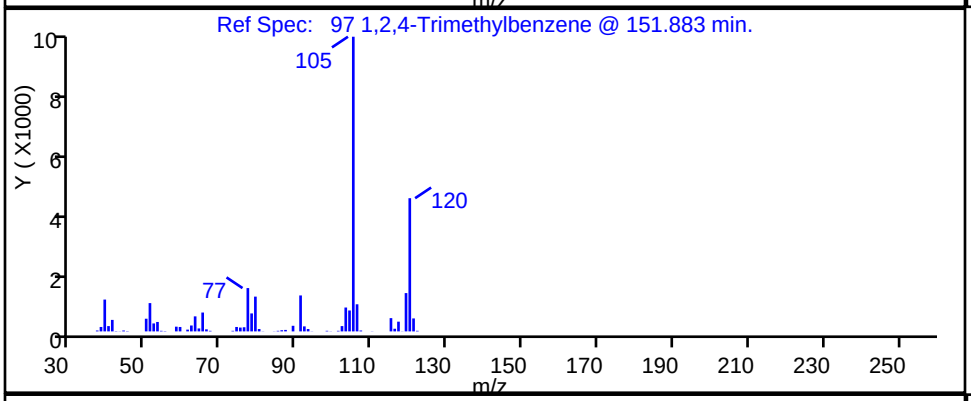
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

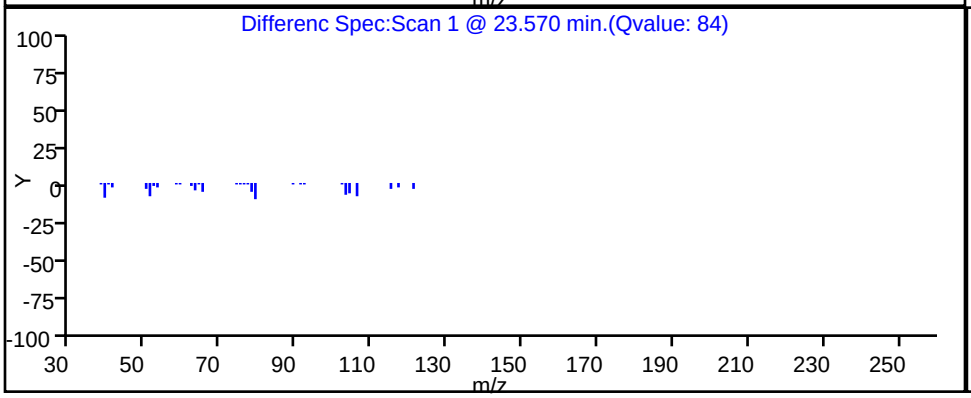


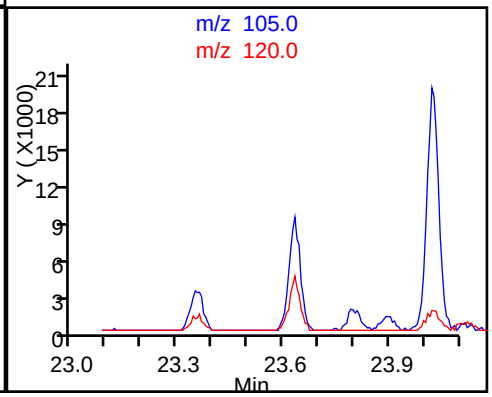










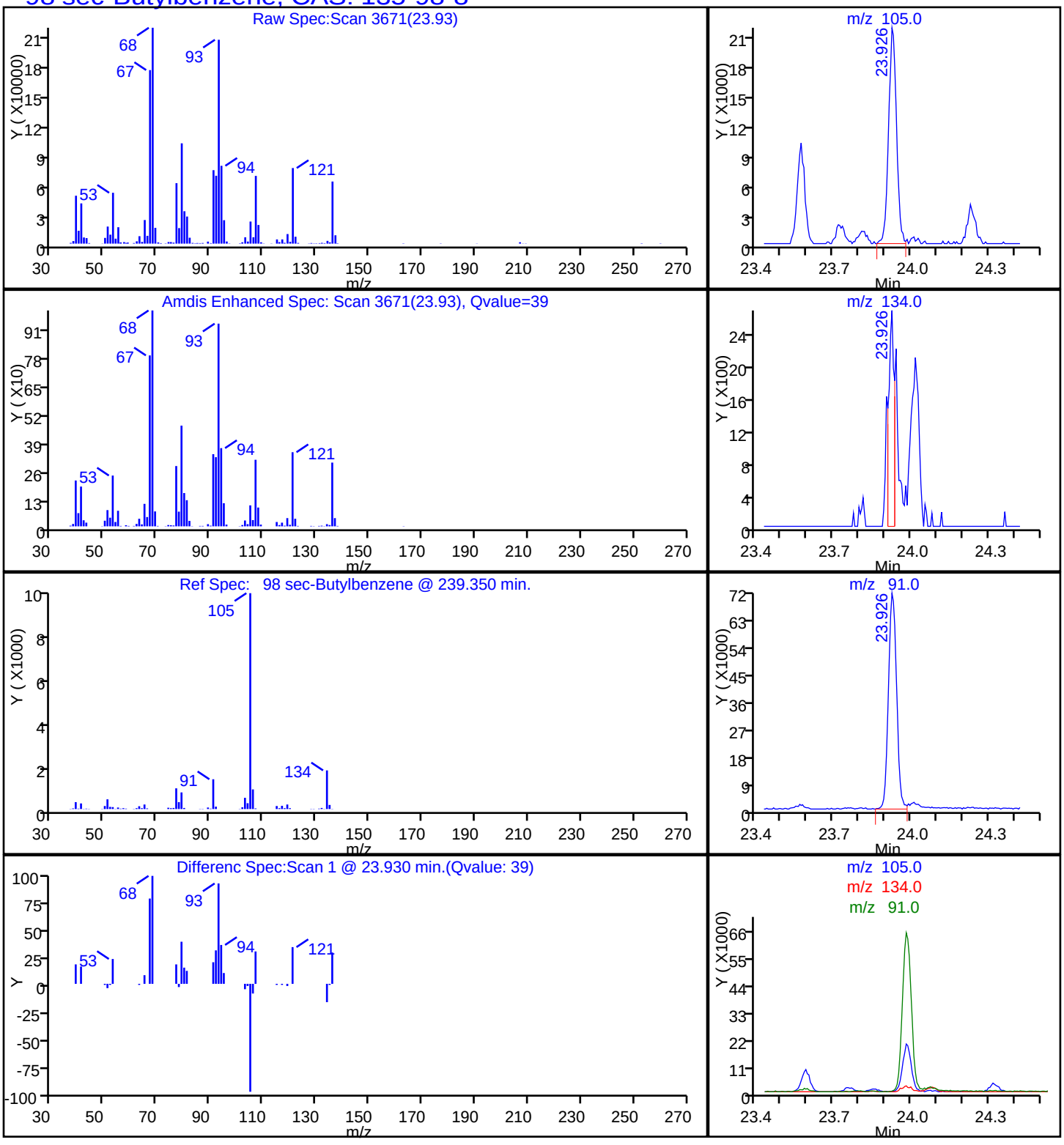


Report Date: 18-Feb-2014 11:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_017.d				
Injection Date:	18-Feb-2014 00:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-5	Lab Sample ID:	200-20955-5		
Client ID:	IA-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

98 sec-Butylbenzene, CAS: 135-98-8



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3A Lab Sample ID: 200-20955-7

Matrix: Air Lab File ID: 6267_019.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:02

Sample wt/vol: 47(mL) Date Analyzed: 02/22/2014 01:30

Soil Aliquot Vol: Dilution Factor: 12.9

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	6.5	U	6.5	0.39
75-45-6	Freon 22	86.47	2.8	J	6.5	0.62
76-14-2	Freon-114	170.92	2.6	U	2.6	0.45
74-87-3	Chloromethane	50.49	6.5	U	6.5	1.8
106-97-8	n-Butane	58.12	6.5	U	6.5	3.6
75-01-4	Vinyl chloride	62.50	0.52	U	0.52	0.49
106-99-0	1,3-Butadiene	54.09	2.6	U	2.6	0.54
74-83-9	Bromomethane	94.94	2.6	U	2.6	0.36
75-00-3	Chloroethane	64.52	6.5	U	6.5	0.39
593-60-2	Vinyl bromide	106.96	2.6	U	2.6	0.39
75-69-4	Freon 11	137.37	2.6	U	2.6	0.39
76-13-1	Freon 113	187.38	2.6	U	2.6	0.23
75-35-4	1,1-Dichloroethene	96.94	2.6	U	2.6	0.31
67-64-1	Acetone	58.08	65	U	65	16
67-63-0	Isopropyl alcohol	60.10	330		65	2.8
75-15-0	Carbon disulfide	76.14	6.5	U	6.5	0.85
107-05-1	Allyl chloride	76.53	6.5	U	6.5	0.44
75-09-2	Methylene Chloride	84.93	440		6.5	1.6
75-65-0	tert-Butyl alcohol	74.12	65	U	65	4.2
1634-04-4	Methyl tert-butyl ether	88.15	2.6	U	2.6	0.28
156-60-5	trans-1,2-Dichloroethene	96.94	2.6	U	2.6	0.37
110-54-3	Hexane	86.17	2.6	U	2.6	0.44
75-34-3	1,1-Dichloroethane	98.96	2.6	U	2.6	0.49
78-93-3	Methyl Ethyl Ketone	72.11	6.5	U	6.5	3.1
156-59-2	cis-1,2-Dichloroethene	96.94	2.6	U	2.6	0.49
540-59-0	1,2-Dichloroethene, Total	96.94	2.6	U	2.6	0.83
67-66-3	Chloroform	119.38	2.6	U	2.6	0.32
109-99-9	Tetrahydrofuran	72.11	6.8	J	65	0.59
71-55-6	1,1,1-Trichloroethane	133.41	2.6	U	2.6	0.27
110-82-7	Cyclohexane	84.16	2.5	J	2.6	0.32
56-23-5	Carbon tetrachloride	153.81	0.52	U	0.52	0.27
540-84-1	2,2,4-Trimethylpentane	114.23	2.6	U	2.6	0.35
71-43-2	Benzene	78.11	2.6	U	2.6	0.25
107-06-2	1,2-Dichloroethane	98.96	2.6	U	2.6	0.22
142-82-5	Heptane	100.21	2.6	U	2.6	0.59

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3A Lab Sample ID: 200-20955-7

Matrix: Air Lab File ID: 6267_019.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:02

Sample wt/vol: 47(mL) Date Analyzed: 02/22/2014 01:30

Soil Aliquot Vol: Dilution Factor: 12.9

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.52	U	0.52	0.31
80-62-6	Methyl methacrylate	100.12	6.5	U	6.5	0.39
78-87-5	1,2-Dichloropropane	112.99	2.6	U	2.6	0.41
123-91-1	1,4-Dioxane	88.11	65	U	65	2.6
75-27-4	Bromodichloromethane	163.83	2.6	U	2.6	0.22
10061-01-5	cis-1,3-Dichloropropene	110.97	2.6	U	2.6	0.36
108-10-1	methyl isobutyl ketone	100.16	6.5	U	6.5	0.35
108-88-3	Toluene	92.14	1.5	J	2.6	0.22
10061-02-6	trans-1,3-Dichloropropene	110.97	2.6	U	2.6	0.28
79-00-5	1,1,2-Trichloroethane	133.41	2.6	U	2.6	0.22
127-18-4	Tetrachloroethene	165.83	2.6	U	2.6	0.21
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	6.5	U	6.5	2.6
124-48-1	Dibromochloromethane	208.29	2.6	U	2.6	0.26
106-93-4	1,2-Dibromoethane	187.87	2.6	U	2.6	0.26
108-90-7	Chlorobenzene	112.56	2.6	U	2.6	0.10
100-41-4	Ethylbenzene	106.17	2.6	U	2.6	0.17
179601-23-1	m,p-Xylene	106.17	6.5	U	6.5	0.30
95-47-6	Xylene, o-	106.17	2.6	U	2.6	0.21
1330-20-7	Xylene (total)	106.17	2.6	U	2.6	0.44
100-42-5	Styrene	104.15	2.6	U	2.6	0.23
75-25-2	Bromoform	252.75	2.6	U	2.6	0.13
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.6	U	2.6	0.21
103-65-1	n-Propylbenzene	120.19	2.6	U	2.6	1.0
622-96-8	4-Ethyltoluene	120.20	2.6	U	2.6	0.23
108-67-8	1,3,5-Trimethylbenzene	120.20	2.6	U	2.6	0.15
95-49-8	2-Chlorotoluene	126.59	2.6	U	2.6	0.17
98-06-6	tert-Butylbenzene	134.22	2.6	U	2.6	0.22
95-63-6	1,2,4-Trimethylbenzene	120.20	2.6	U	2.6	0.18
135-98-8	sec-Butylbenzene	134.22	2.6	U	2.6	1.0
99-87-6	4-Isopropyltoluene	134.22	2.6	U	2.6	1.0
541-73-1	1,3-Dichlorobenzene	147.00	2.6	U	2.6	0.18
106-46-7	1,4-Dichlorobenzene	147.00	2.6	U	2.6	0.18
100-44-7	Benzyl chloride	126.58	2.6	U	2.6	1.0
104-51-8	n-Butylbenzene	134.22	2.6	U	2.6	1.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3A Lab Sample ID: 200-20955-7

Matrix: Air Lab File ID: 6267_019.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:02

Sample wt/vol: 47(mL) Date Analyzed: 02/22/2014 01:30

Soil Aliquot Vol: Dilution Factor: 12.9

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	2.6	U	2.6	0.18
120-82-1	1,2,4-Trichlorobenzene	181.45	6.5	U	6.5	0.35
87-68-3	Hexachloro-1,3-butadiene	260.76	2.6	U	2.6	0.28
91-20-3	Naphthalene	128.17	6.5	U	6.5	2.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3A Lab Sample ID: 200-20955-7

Matrix: Air Lab File ID: 6267_019.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:02

Sample wt/vol: 47(mL) Date Analyzed: 02/22/2014 01:30

Soil Aliquot Vol: Dilution Factor: 12.9

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	32	U	32	1.9
75-45-6	Freon 22	86.47	9.8	J	23	2.2
76-14-2	Freon-114	170.92	18	U	18	3.2
74-87-3	Chloromethane	50.49	13	U	13	3.6
106-97-8	n-Butane	58.12	15	U	15	8.6
75-01-4	Vinyl chloride	62.50	1.3	U	1.3	1.3
106-99-0	1,3-Butadiene	54.09	5.7	U	5.7	1.2
74-83-9	Bromomethane	94.94	10	U	10	1.4
75-00-3	Chloroethane	64.52	17	U	17	1.0
593-60-2	Vinyl bromide	106.96	11	U	11	1.7
75-69-4	Freon 11	137.37	14	U	14	2.2
76-13-1	Freon 113	187.38	20	U	20	1.8
75-35-4	1,1-Dichloroethene	96.94	10	U	10	1.2
67-64-1	Acetone	58.08	150	U	150	38
67-63-0	Isopropyl alcohol	60.10	810		160	6.8
75-15-0	Carbon disulfide	76.14	20	U	20	2.7
107-05-1	Allyl chloride	76.53	20	U	20	1.4
75-09-2	Methylene Chloride	84.93	1500		22	5.6
75-65-0	tert-Butyl alcohol	74.12	200	U	200	13
1634-04-4	Methyl tert-butyl ether	88.15	9.3	U	9.3	1.0
156-60-5	trans-1,2-Dichloroethene	96.94	10	U	10	1.5
110-54-3	Hexane	86.17	9.1	U	9.1	1.5
75-34-3	1,1-Dichloroethane	98.96	10	U	10	2.0
78-93-3	Methyl Ethyl Ketone	72.11	19	U	19	9.2
156-59-2	cis-1,2-Dichloroethene	96.94	10	U	10	1.9
540-59-0	1,2-Dichloroethene, Total	96.94	10	U	10	3.3
67-66-3	Chloroform	119.38	13	U	13	1.6
109-99-9	Tetrahydrofuran	72.11	20	J	190	1.8
71-55-6	1,1,1-Trichloroethane	133.41	14	U	14	1.5
110-82-7	Cyclohexane	84.16	8.7	J	8.9	1.1
56-23-5	Carbon tetrachloride	153.81	3.2	U	3.2	1.7
540-84-1	2,2,4-Trimethylpentane	114.23	12	U	12	1.6
71-43-2	Benzene	78.11	8.2	U	8.2	0.78
107-06-2	1,2-Dichloroethane	98.96	10	U	10	0.89
142-82-5	Heptane	100.21	11	U	11	2.4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3A Lab Sample ID: 200-20955-7

Matrix: Air Lab File ID: 6267_019.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:02

Sample wt/vol: 47(mL) Date Analyzed: 02/22/2014 01:30

Soil Aliquot Vol: Dilution Factor: 12.9

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.8	U	2.8	1.7
80-62-6	Methyl methacrylate	100.12	26	U	26	1.6
78-87-5	1,2-Dichloropropane	112.99	12	U	12	1.9
123-91-1	1,4-Dioxane	88.11	230	U	230	9.3
75-27-4	Bromodichloromethane	163.83	17	U	17	1.5
10061-01-5	cis-1,3-Dichloropropene	110.97	12	U	12	1.6
108-10-1	methyl isobutyl ketone	100.16	26	U	26	1.4
108-88-3	Toluene	92.14	5.5	J	9.7	0.83
10061-02-6	trans-1,3-Dichloropropene	110.97	12	U	12	1.3
79-00-5	1,1,2-Trichloroethane	133.41	14	U	14	1.2
127-18-4	Tetrachloroethene	165.83	17	U	17	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	26	U	26	11
124-48-1	Dibromochloromethane	208.29	22	U	22	2.2
106-93-4	1,2-Dibromoethane	187.87	20	U	20	2.0
108-90-7	Chlorobenzene	112.56	12	U	12	0.48
100-41-4	Ethylbenzene	106.17	11	U	11	0.73
179601-23-1	m,p-Xylene	106.17	28	U	28	1.3
95-47-6	Xylene, o-	106.17	11	U	11	0.90
1330-20-7	Xylene (total)	106.17	11	U	11	1.9
100-42-5	Styrene	104.15	11	U	11	0.99
75-25-2	Bromoform	252.75	27	U	27	1.3
79-34-5	1,1,2,2-Tetrachloroethane	167.85	18	U	18	1.4
103-65-1	n-Propylbenzene	120.19	13	U	13	5.1
622-96-8	4-Ethyltoluene	120.20	13	U	13	1.1
108-67-8	1,3,5-Trimethylbenzene	120.20	13	U	13	0.76
95-49-8	2-Chlorotoluene	126.59	13	U	13	0.87
98-06-6	tert-Butylbenzene	134.22	14	U	14	1.2
95-63-6	1,2,4-Trimethylbenzene	120.20	13	U	13	0.89
135-98-8	sec-Butylbenzene	134.22	14	U	14	5.7
99-87-6	4-Isopropyltoluene	134.22	14	U	14	5.7
541-73-1	1,3-Dichlorobenzene	147.00	16	U	16	1.1
106-46-7	1,4-Dichlorobenzene	147.00	16	U	16	1.1
100-44-7	Benzyl chloride	126.58	13	U	13	5.3
104-51-8	n-Butylbenzene	134.22	14	U	14	5.7

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3A Lab Sample ID: 200-20955-7

Matrix: Air Lab File ID: 6267_019.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:02

Sample wt/vol: 47(mL) Date Analyzed: 02/22/2014 01:30

Soil Aliquot Vol: Dilution Factor: 12.9

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	16	U	16	1.1
120-82-1	1,2,4-Trichlorobenzene	181.45	48	U	48	2.6
87-68-3	Hexachloro-1,3-butadiene	260.76	28	U	28	3.0
91-20-3	Naphthalene	128.17	34	U	34	14

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_019.D
Lims ID: 200-20955-A-7 Lab Sample ID: 200-20955-7
Client ID: IA-VMP-3A
Sample Type: Client
Inject. Date: 22-Feb-2014 01:30:30 ALS Bottle#: 16 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 12.9000
Sample Info: 200-0006267-019
Misc. Info.: 20955-7
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:38:08 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: lyonsb Date: 24-Feb-2014 10:46:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		3.127					
6 Chlorodifluoromethane	51	3.181	3.181	0.001	87	17354	0.2141	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.405					
8 Chloromethane	50		3.539					
9 Butane	43		3.758					
10 Vinyl chloride	62		3.796					
11 Butadiene	54		3.876					
12 Bromomethane	94		4.577					
14 Chloroethane	64		4.828					
16 Vinyl bromide	106		5.229					
17 Trichlorofluoromethane	101		5.347					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.476					
24 1,1-Dichloroethene	96		6.497					
25 Acetone	43		6.717					
26 Carbon disulfide	76		6.883					
27 Isopropyl alcohol	45	7.038	7.038	0.0	98	1243696	25.6	
29 3-Chloro-1-propene	41		7.300					
31 Methylene Chloride	49	7.594	7.599	-0.005	80	1668754	34.4	
32 2-Methyl-2-propanol	59		7.835					
33 Methyl tert-butyl ether	73		8.038					
34 trans-1,2-Dichloroethene	61		8.059					
36 Hexane	57		8.493					
37 1,1-Dichloroethane	63		8.947					
39 cis-1,2-Dichloroethene	96		10.087					
40 2-Butanone (MEK)	72		10.135					
S 41 1,2-Dichloroethene, Total	61		10.200					
* 43 Chlorobromomethane	128	10.558	10.563	-0.005	67	686284	10.0	
44 Tetrahydrofuran	42	10.579	10.579	0.0	83	24431	0.5233	
45 Chloroform	83		10.702					
46 Cyclohexane	84	10.986	10.991	-0.005	78	19197	0.1959	M
47 1,1,1-Trichloroethane	97		11.002					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	48	Carbon tetrachloride	117		11.269					
	50	Benzene	78		11.740					
	51	Isooctane	57		11.761					
	52	1,2-Dichloroethane	62		11.911					
	53	n-Heptane	43		12.168					
*	54	1,4-Difluorobenzene	114	12.617	12.623	-0.006	91	3925820	10.0	
	56	Trichloroethene	95		13.110					
	58	1,2-Dichloropropane	63		13.682					
	59	Methyl methacrylate	69		13.880					
	60	1,4-Dioxane	88		13.917					
	62	Dichlorobromomethane	83		14.249					
	64	cis-1,3-Dichloropropene	75		15.228					
	65	4-Methyl-2-pentanone (MIBK)	43		15.528					
	66	Toluene	92	15.854	15.849	0.005	86	31364	0.1136	
	70	trans-1,3-Dichloropropene	75		16.437					
	71	1,1,2-Trichloroethane	83		16.812					
	72	Tetrachloroethene	166		16.961					
	73	2-Hexanone	43		17.282					
	74	Chlorodibromomethane	129		17.587					
	75	Ethylene Dibromide	107		17.860					
*	76	Chlorobenzene-d5	117	18.786	18.786	0.0	81	3769324	10.0	
	77	Chlorobenzene	112		18.844					
	78	Ethylbenzene	91		19.016					
	80	m-Xylene & p-Xylene	106		19.272					
S	82	Xylenes, Total	106		20.100					
	83	o-Xylene	106		20.102					
	84	Styrene	104		20.144					
	85	Bromoform	173		20.530					
$	87	4-Bromofluorobenzene	95	21.107	21.107	0.0	98	1785967	NC	
	88	1,1,2,2-Tetrachloroethane	83		21.364					
	90	N-Propylbenzene	91		21.471					
	92	2-Chlorotoluene	91		21.653					
	91	4-Ethyltoluene	105		21.653					
	94	1,3,5-Trimethylbenzene	105		21.760					
	96	tert-Butylbenzene	119		22.242					
	97	1,2,4-Trimethylbenzene	105		22.332					
	98	sec-Butylbenzene	105		22.562					
	99	4-Isopropyltoluene	119		22.760					
	100	1,3-Dichlorobenzene	146		22.776					
	101	1,4-Dichlorobenzene	146		22.910					
	102	Benzyl chloride	91		23.103					
	103	n-Butylbenzene	91		23.338					
	105	1,2-Dichlorobenzene	146		23.451					
	107	1,2,4-Trichlorobenzene	180		26.013					
	108	Hexachlorobutadiene	225		26.227					
	109	Naphthalene	128		26.505					

QC Flag Legend

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

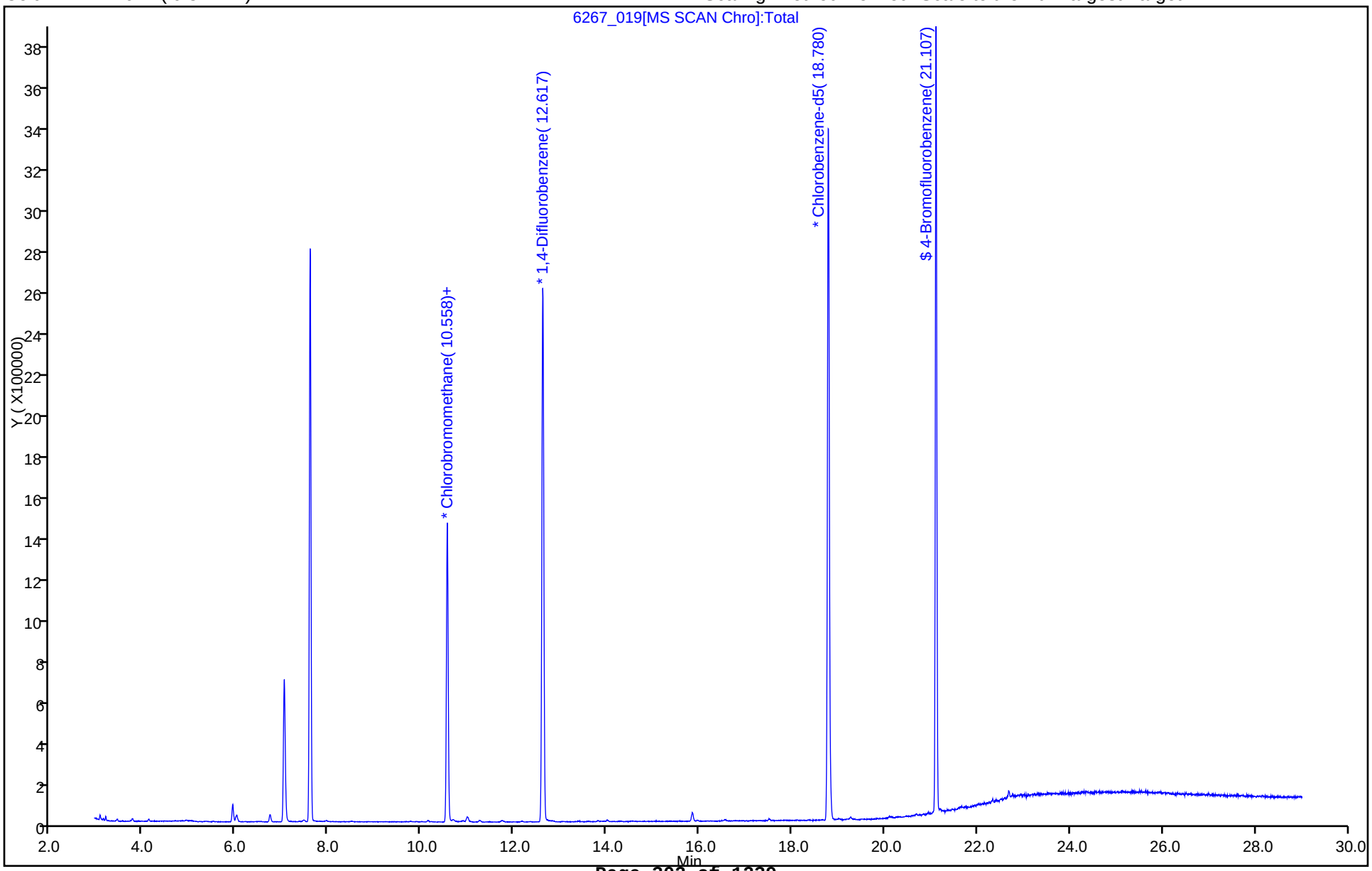
Report Date: 24-Feb-2014 11:38:38 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_019.D

Injection Date:	22-Feb-2014 01:30:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	200-20955-A-7	Lab Sample ID:	200-20955-7	Worklist Smp#:	19
Client ID:	IA-VMP-3A				
Purge Vol:	200.000 mL	Dil. Factor:	12.9000	ALS Bottle#:	16
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



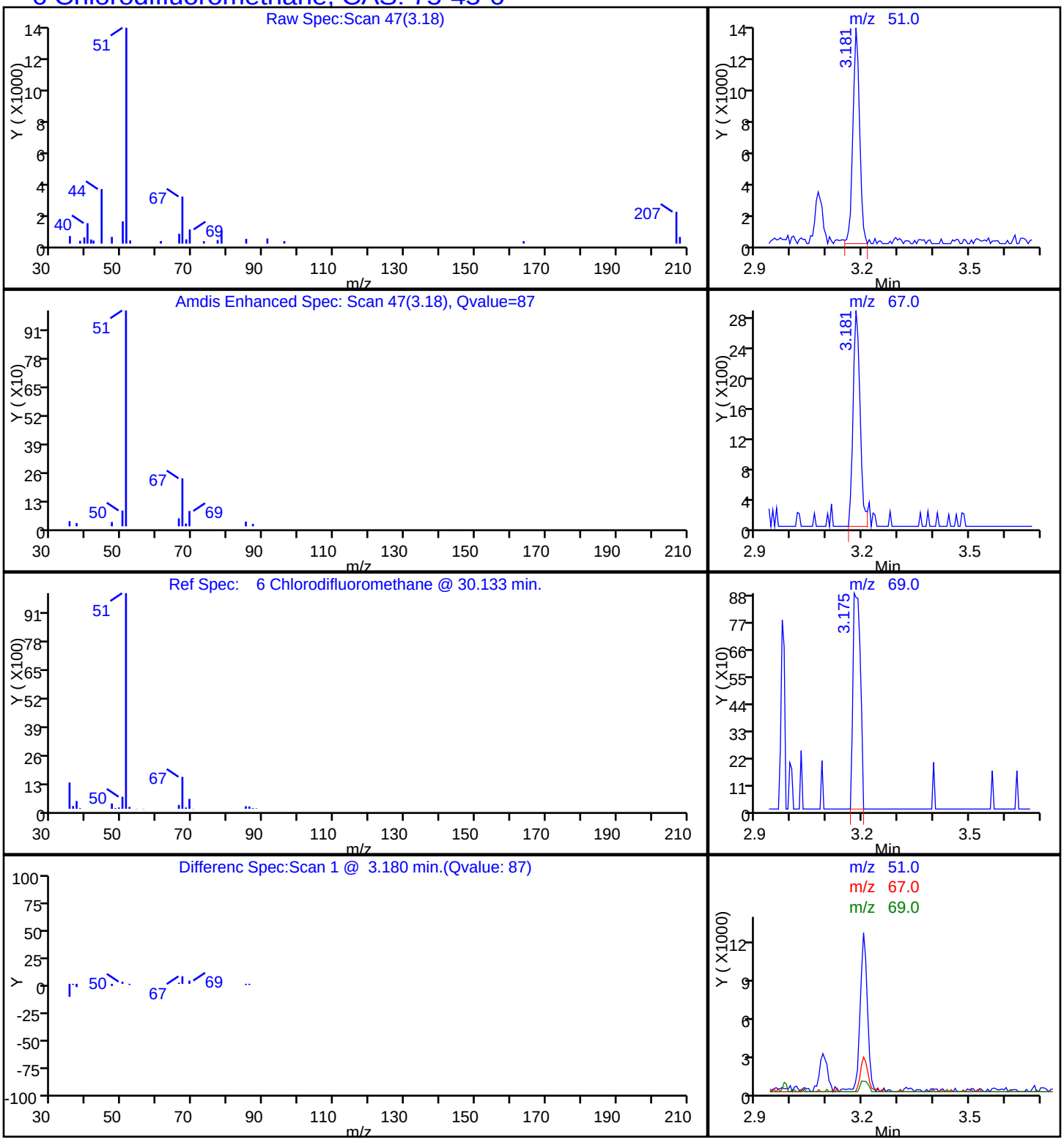
Report Date: 24-Feb-2014 11:38:38 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_019.D

Injection Date:	22-Feb-2014 01:30:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-7	Lab Sample ID:	200-20955-7		
Client ID:	IA-VMP-3A				
Operator ID:	bl	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	12.9000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



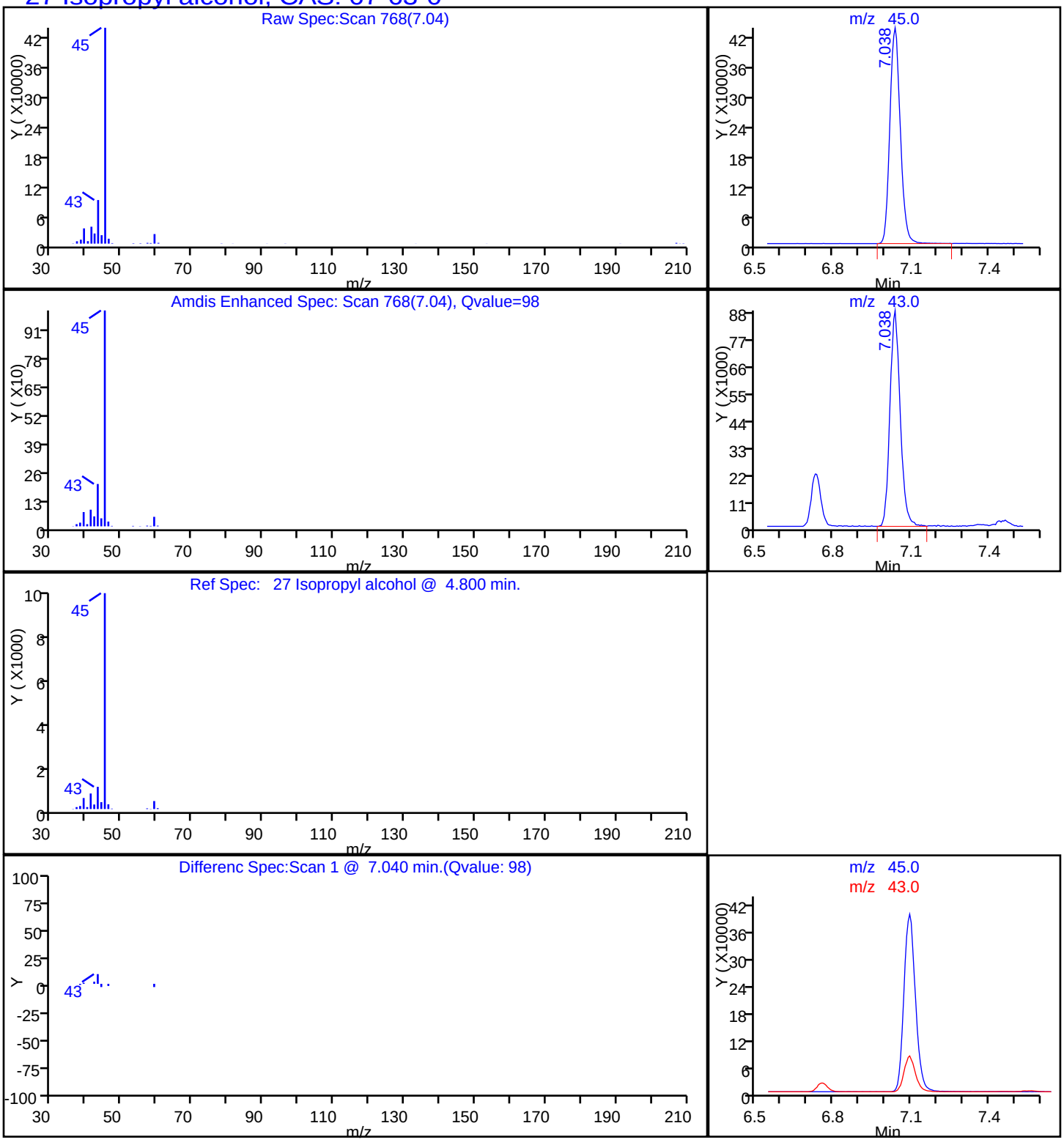
Report Date: 24-Feb-2014 11:38:38 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_019.D

Injection Date:	22-Feb-2014 01:30:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-7	Lab Sample ID:	200-20955-7		
Client ID:	IA-VMP-3A				
Operator ID:	bl	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	12.9000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



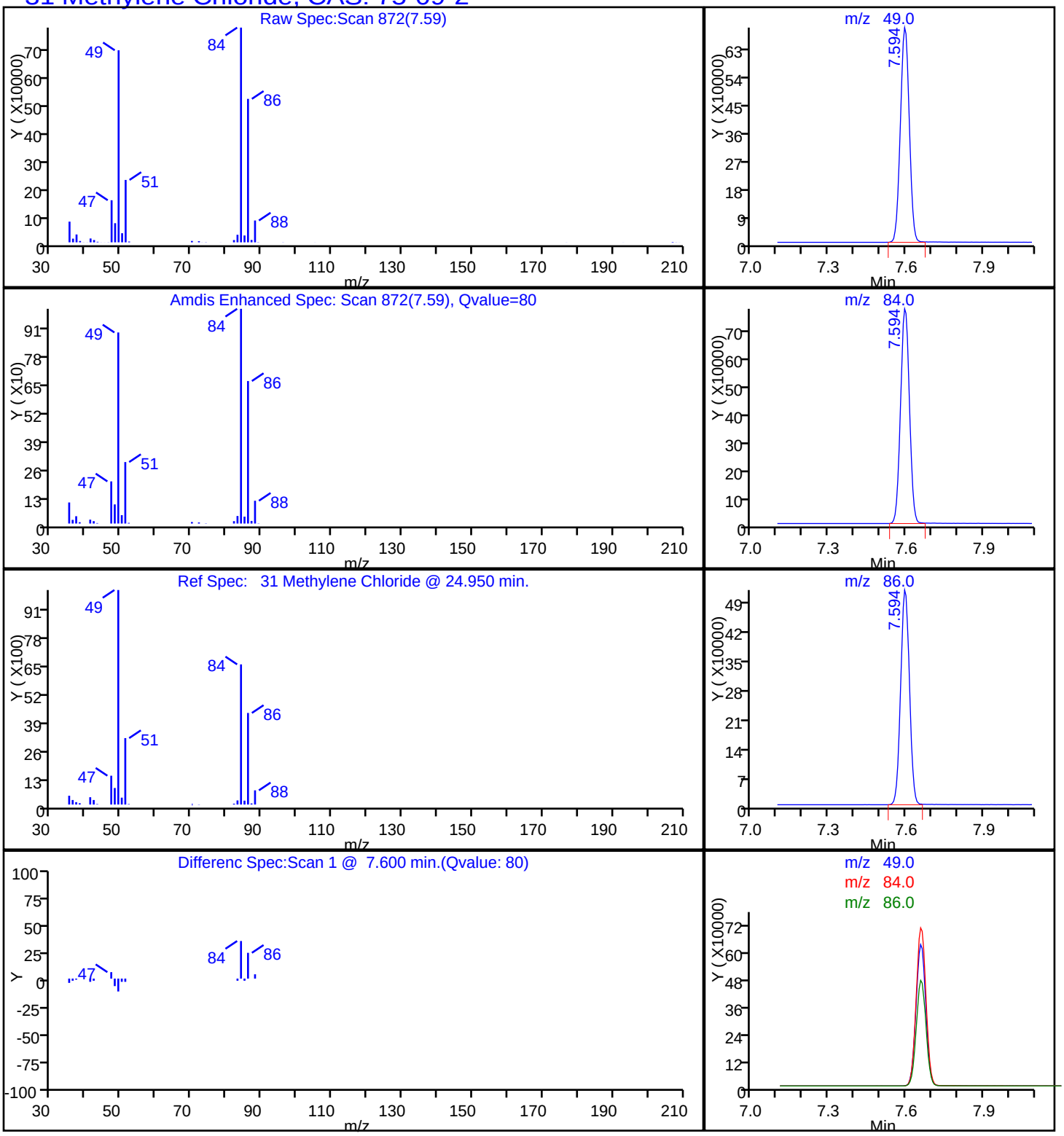
Report Date: 24-Feb-2014 11:38:38 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_019.D

Injection Date:	22-Feb-2014 01:30:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-7	Lab Sample ID:	200-20955-7		
Client ID:	IA-VMP-3A				
Operator ID:	bl	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	12.9000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



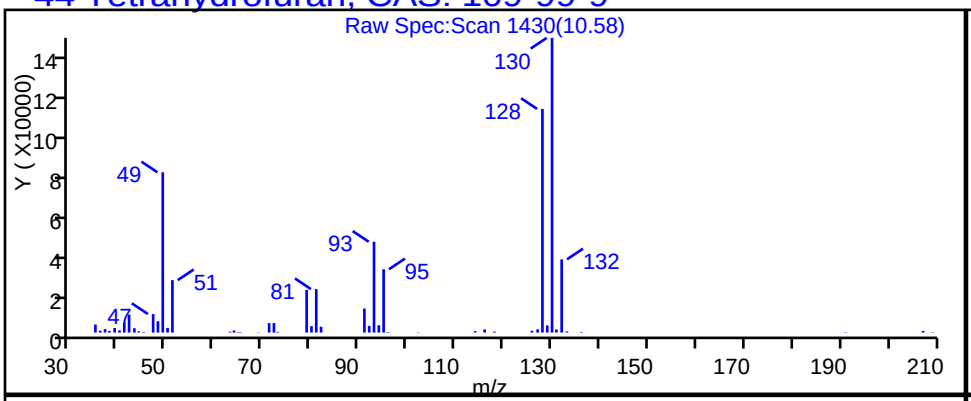
Report Date: 24-Feb-2014 11:38:38 Chrom Revision: 2.2 06-Feb-2014 15:19:06

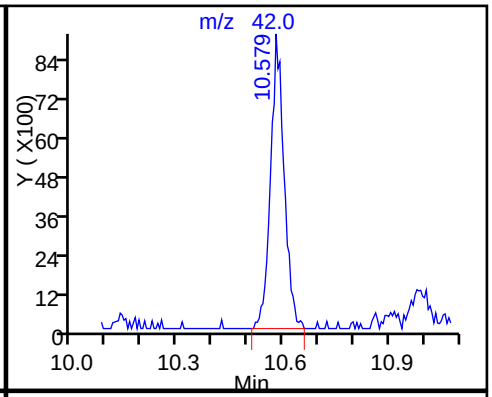
TestAmerica Burlington

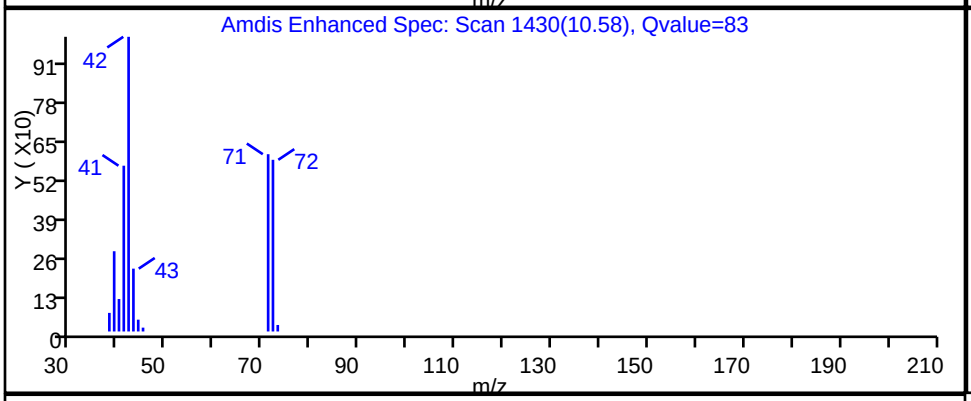
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_019.D

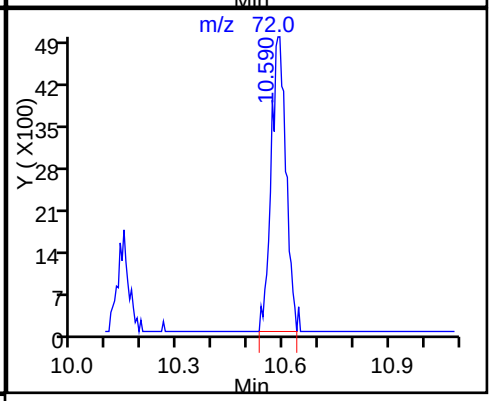
Injection Date:	22-Feb-2014 01:30:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-7	Lab Sample ID:	200-20955-7		
Client ID:	IA-VMP-3A				
Operator ID:	bl	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	12.9000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

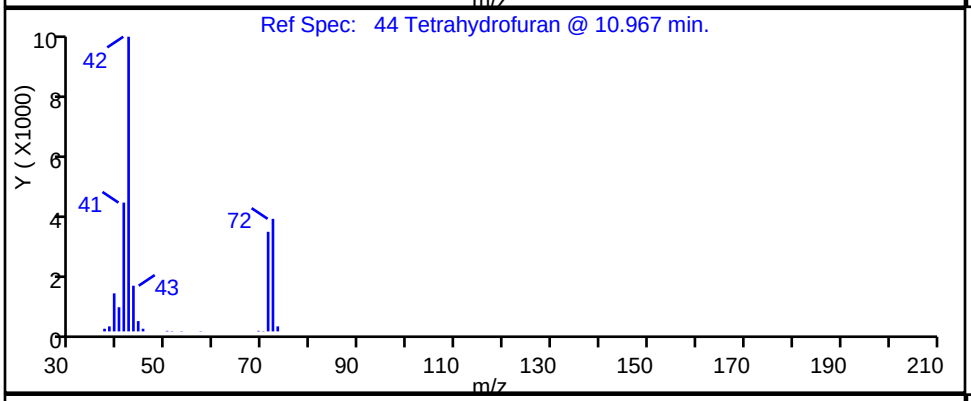
44 Tetrahydrofuran, CAS: 109-99-9

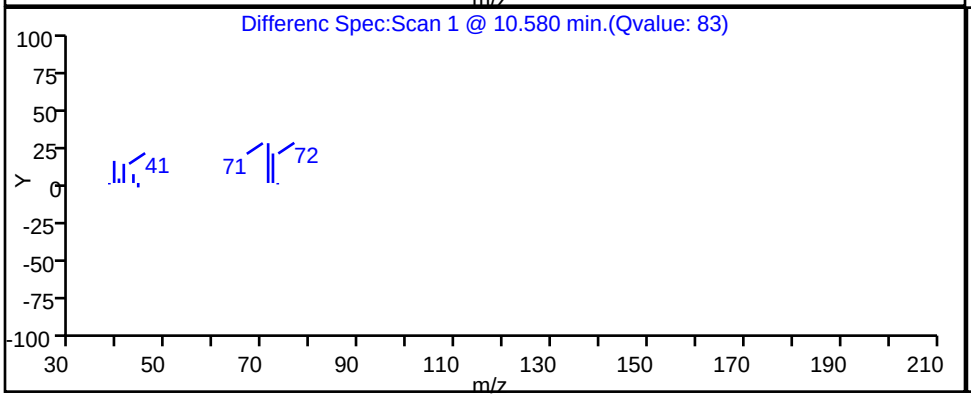


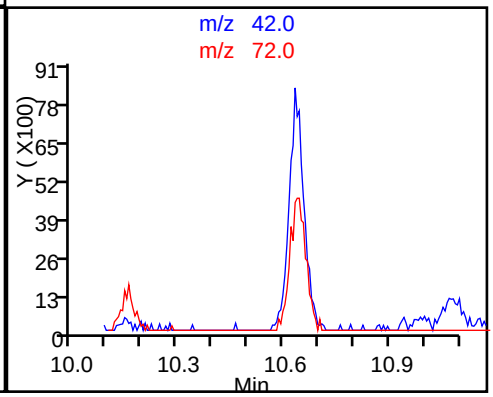












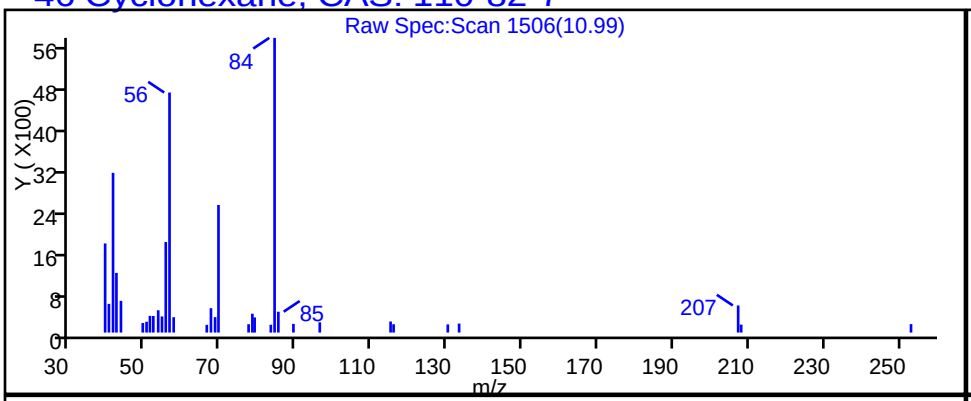
Report Date: 24-Feb-2014 11:38:38 Chrom Revision: 2.2 06-Feb-2014 15:19:06

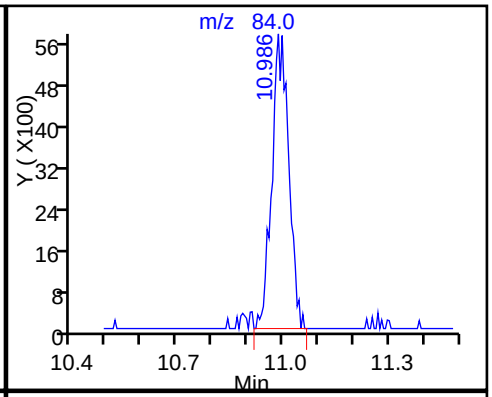
TestAmerica Burlington

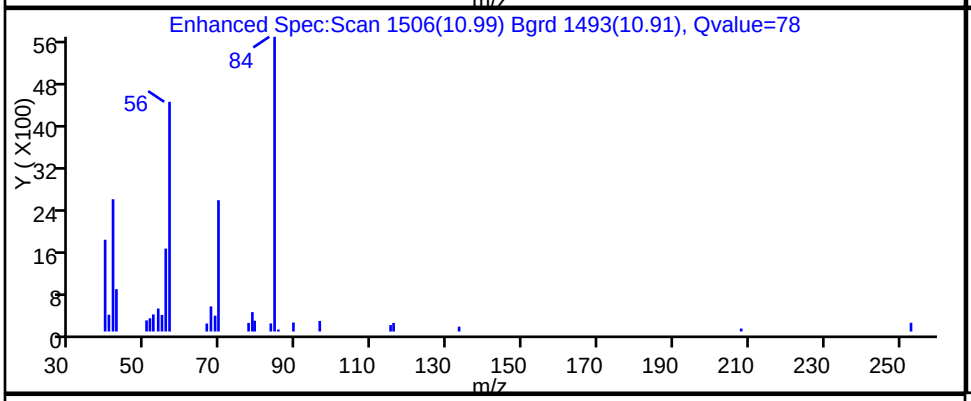
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_019.D

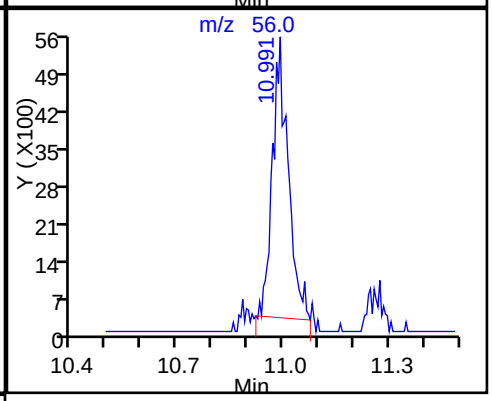
Injection Date:	22-Feb-2014 01:30:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-7	Lab Sample ID:	200-20955-7		
Client ID:	IA-VMP-3A				
Operator ID:	bl	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	12.9000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

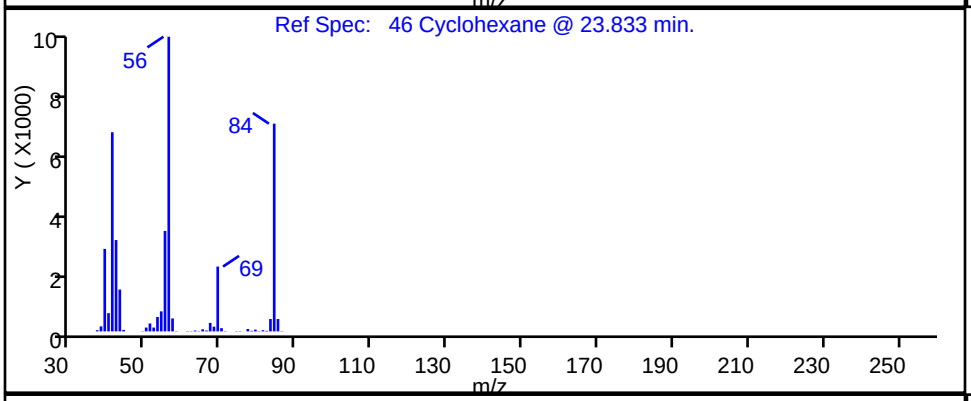
46 Cyclohexane, CAS: 110-82-7

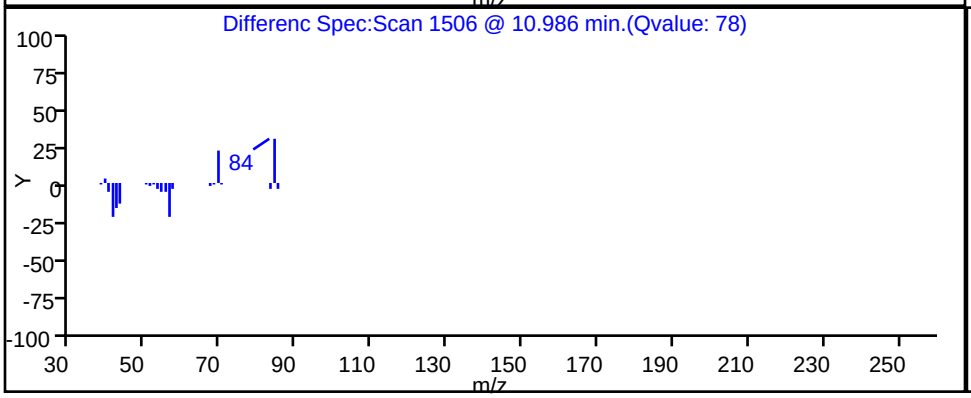


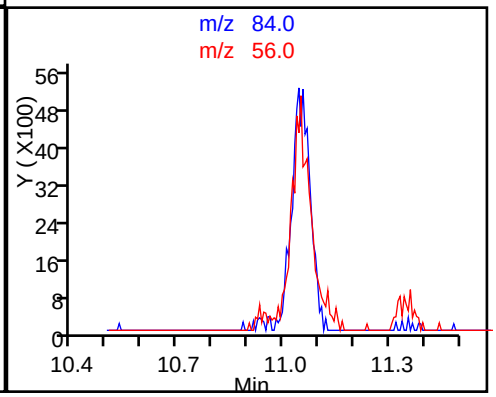












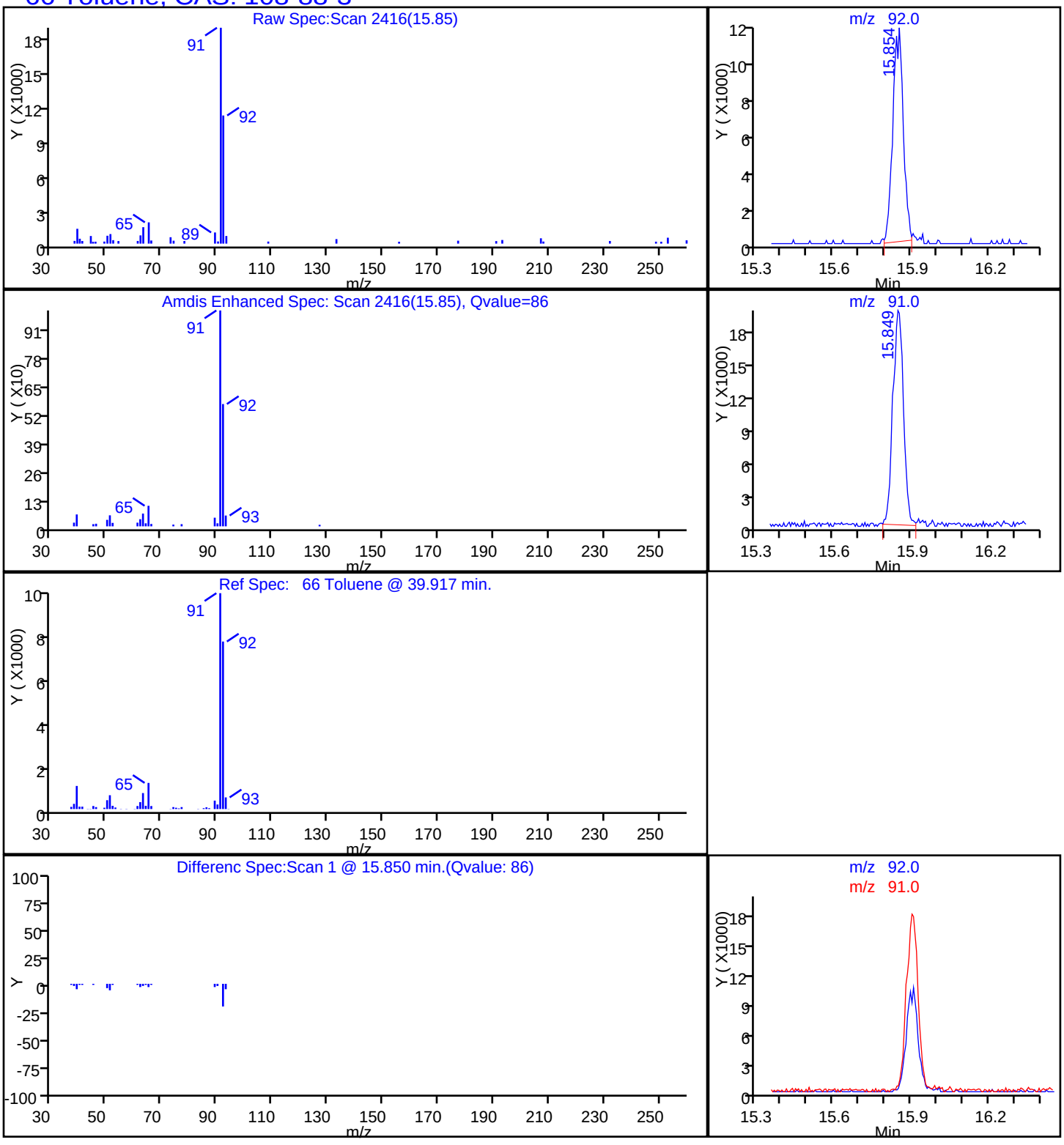
Report Date: 24-Feb-2014 11:38:38 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_019.D

Injection Date:	22-Feb-2014 01:30:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-7	Lab Sample ID:	200-20955-7		
Client ID:	IA-VMP-3A				
Operator ID:	bl	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	12.9000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



Manual Integration/User Assign Peak Report

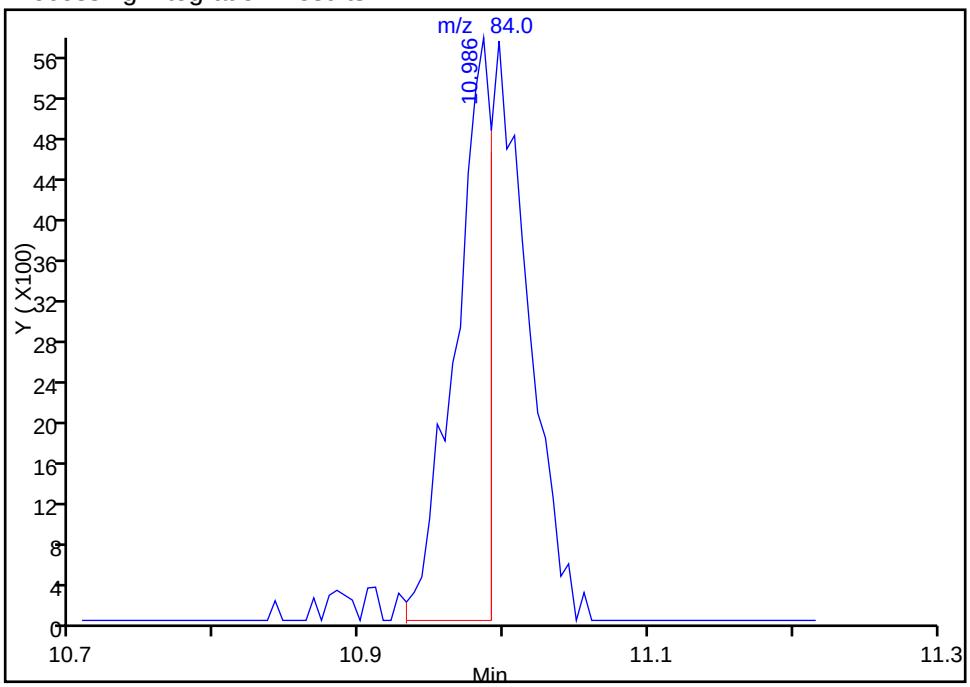
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_019.D				
Injection Date:	22-Feb-2014 01:30:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-7	Lab Sample ID:	200-20955-7		
Client ID:	IA-VMP-3A				
Operator ID:	bl	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	12.9000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

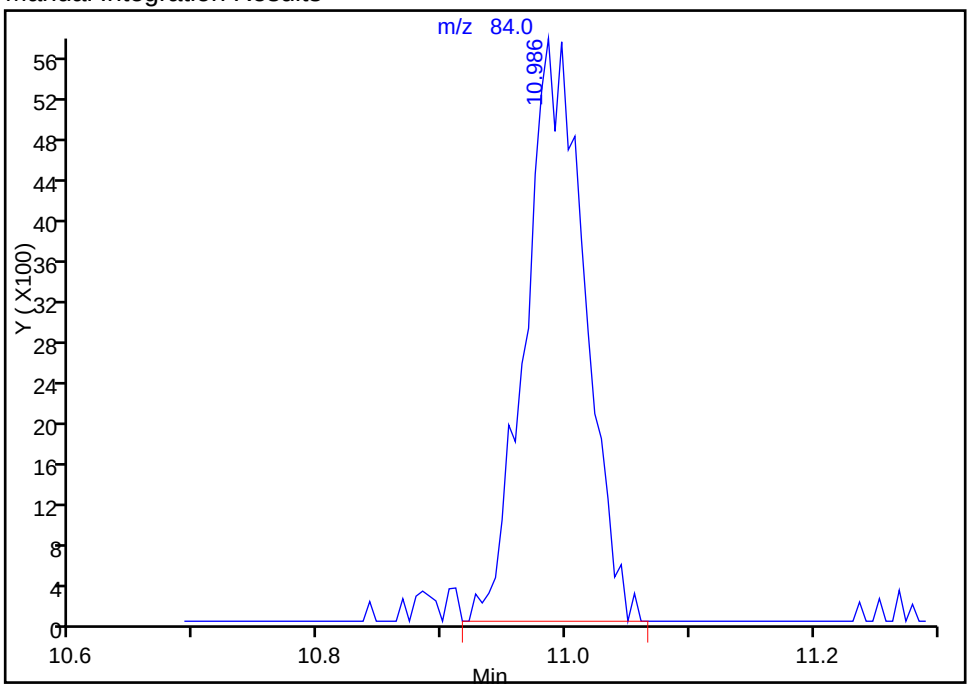
Processing Integration Results

RT: 10.99
Response: 10067
Amount: 0.102740



Manual Integration Results

RT: 10.99
Response: 19197
Amount: 0.195918



Reviewer: lyonsb, 24-Feb-2014 10:46:22
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

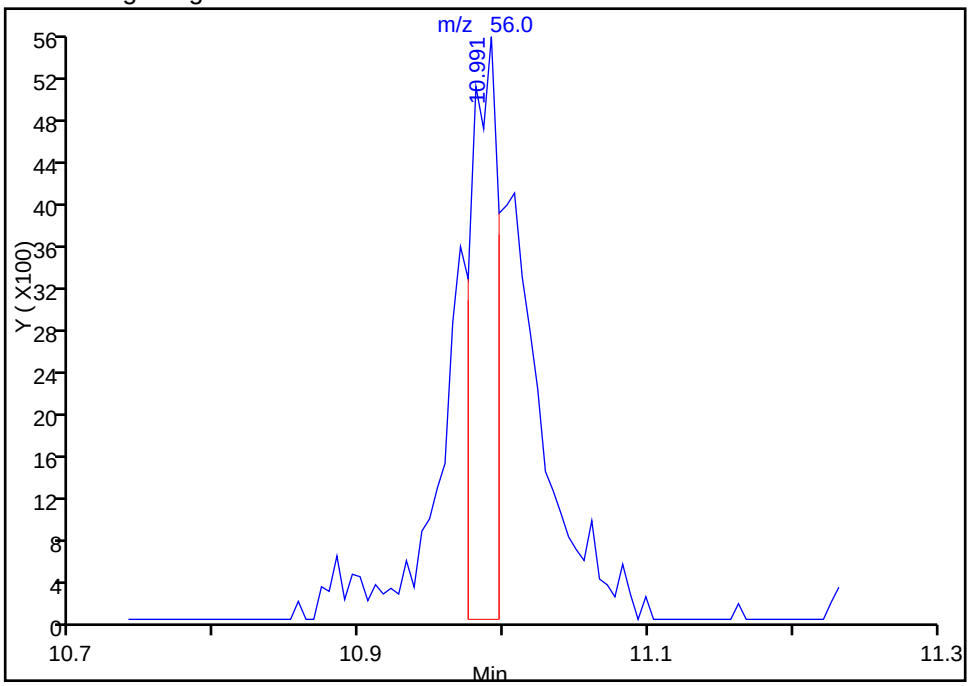
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_019.D				
Injection Date:	22-Feb-2014 01:30:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-7	Lab Sample ID:	200-20955-7		
Client ID:	IA-VMP-3A				
Operator ID:	bl	ALS Bottle#:	16	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	12.9000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

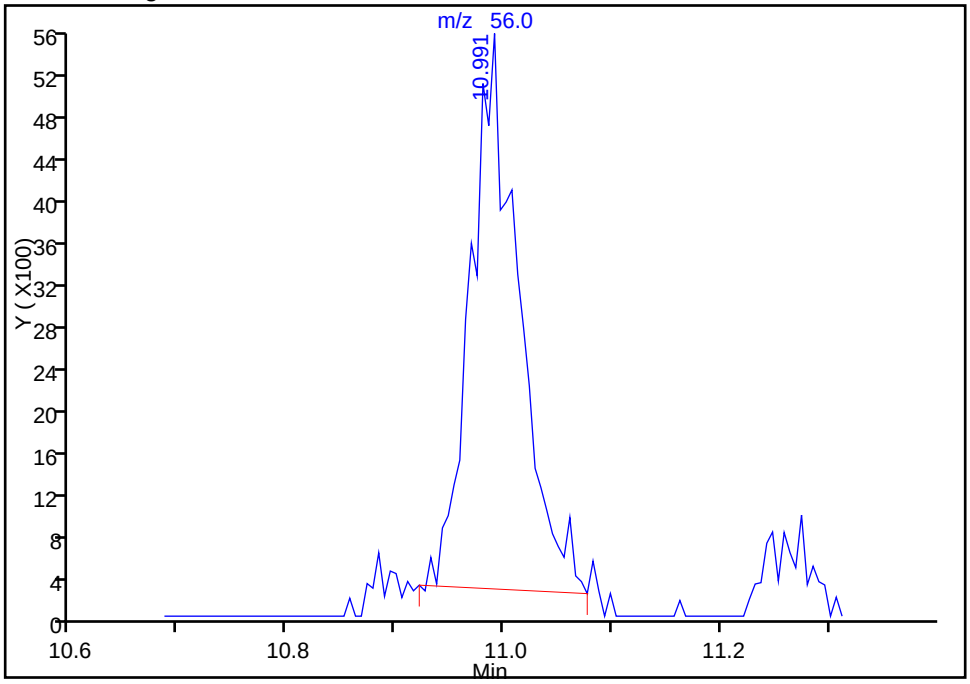
Processing Integration Results

RT: 10.99
Response: 7231
Amount: 0.102740



Manual Integration Results

RT: 10.99
Response: 16394
Amount: 0.195918



Reviewer: lyonsb, 24-Feb-2014 10:46:22
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3B Lab Sample ID: 200-20955-9

Matrix: Air Lab File ID: 6171_019.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:22

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 02:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.46	J	0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	1.0		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.25		0.20	0.030
76-13-1	Freon 113	187.38	0.072	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	4.9	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	38		5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	11		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.13	J	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.79		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.83		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.065		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.27		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.12	J	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3B Lab Sample ID: 200-20955-9

Matrix: Air Lab File ID: 6171_019.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:22

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 02:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.56		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.047	J	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.048	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.091	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.091	J	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3B Lab Sample ID: 200-20955-9

Matrix: Air Lab File ID: 6171_019.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:22

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 02:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3B Lab Sample ID: 200-20955-9

Matrix: Air Lab File ID: 6171_019.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:22

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 02:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.3	J	2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	2.4		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.4		1.1	0.17
76-13-1	Freon 113	187.38	0.56	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	94		12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	39		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.47	J	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	2.3		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	2.9		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.41		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.86		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.49	J	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3B Lab Sample ID: 200-20955-9

Matrix: Air Lab File ID: 6171_019.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:22

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 02:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	2.1		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	0.32	J	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.21	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.39	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.40	J	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3B Lab Sample ID: 200-20955-9

Matrix: Air Lab File ID: 6171_019.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:22

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 02:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d
Lims ID: 200-20955-A-9 Lab Sample ID: 200-20955-9
Client ID: IA-VMP-3B
Sample Type: Client
Inject. Date: 18-Feb-2014 02:23:30 ALS Bottle#: 1 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006171-019
Misc. Info.: 200-20955-A-9
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Feb-2014 11:48:30 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK028

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85	4.485	4.474	0.011	83	81195	0.4598	
	6 Chlorodifluoromethane	51		4.538					
	7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.827					
	8 Chloromethane	50		5.020					
	9 Butane	43	5.293	5.287	0.006	90	49054	1.00	
	10 Vinyl chloride	62		5.341					
	11 Butadiene	54		5.442					
	12 Bromomethane	94		6.309					
	14 Chloroethane	64		6.593					
	16 Vinyl bromide	106		7.074					
	17 Trichlorofluoromethane	101	7.213	7.192	0.021	93	49396	0.2496	
	23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.460	8.438	0.022	77	8976	0.0725	
	24 1,1-Dichloroethene	96		8.513					
	25 Acetone	43	8.770	8.749	0.022	87	276773	4.94	
	26 Carbon disulfide	76		9.000					
	27 Isopropyl alcohol	45	9.080	9.027	0.053	97	1797416	38.3	
	29 3-Chloro-1-propene	41		9.407					
	31 Methylene Chloride	49	9.749	9.733	0.016	79	439939	11.3	
	32 2-Methyl-2-propanol	59		9.904					
	33 Methyl tert-butyl ether	73		10.155					
S	41 1,2-Dichloroethene, Total	61		10.200					
	34 trans-1,2-Dichloroethene	61		10.230					
	36 Hexane	57	10.669	10.648	0.021	82	7214	0.1335	
	37 1,1-Dichloroethane	63		11.199					
	39 cis-1,2-Dichloroethene	96		12.376					
	40 2-Butanone (MEK)	72	12.402	12.392	0.010	97	18822	0.7929	
	44 Tetrahydrofuran	42		12.852					
*	43 Chlorobromomethane	128	12.868	12.852	0.016	67	386084	10.0	
	45 Chloroform	83		12.964					
	46 Cyclohexane	84	13.264	13.258	0.006	80	57351	0.8348	M
	47 1,1,1-Trichloroethane	97		13.280					
	48 Carbon tetrachloride	117	13.542	13.531	0.011	78	11619	0.0648	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	51 Isooctane	57		13.927						
	50 Benzene	78	13.997	13.986	0.011	94	44335	0.2704		M
	52 1,2-Dichloroethane	62		14.141						
	53 n-Heptane	43	14.275	14.275	0.0	62	6770	0.1185		M
*	54 1,4-Difluorobenzene	114	14.751	14.746	0.005	93	1881646	10.0		
	56 Trichloroethene	95		15.206						
	58 1,2-Dichloropropane	63		15.730						
	59 Methyl methacrylate	69		15.810						
	60 1,4-Dioxane	88		15.901						
	62 Dichlorobromomethane	83		16.222						
	64 cis-1,3-Dichloropropene	75		17.083						
	65 4-Methyl-2-pentanone (MIBK)	43		17.319						
	66 Toluene	92	17.661	17.661	0.0	95	67812	0.5623		
	70 trans-1,3-Dichloropropene	75		18.191						
	71 1,1,2-Trichloroethane	83		18.560						
	72 Tetrachloroethene	166	18.699	18.694	0.005	73	7095	0.0473		M
	73 2-Hexanone	43		18.950						
	74 Chlorodibromomethane	129		19.314						
	75 Ethylene Dibromide	107		19.598						
S	82 Xylenes, Total	106				0		0.0910		7
*	76 Chlorobenzene-d5	117	20.443	20.443	0.0	84	1663066	10.0		
	77 Chlorobenzene	112		20.496						
	78 Ethylbenzene	91	20.614	20.614	0.0	79	13457	0.0478		
	80 m-Xylene & p-Xylene	106	20.828	20.833	-0.005	98	10337	0.0910		
	83 o-Xylene	106		21.545						
	84 Styrene	104		21.582						
	85 Bromoform	173		21.962						
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1082057	NC		
	88 1,1,2,2-Tetrachloroethane	83		22.668						
	90 N-Propylbenzene	91		22.743						
	91 4-Ethyltoluene	105		22.909						
	92 2-Chlorotoluene	91		22.941						
	94 1,3,5-Trimethylbenzene	105		23.000						
	96 tert-Butylbenzene	119		23.476						
	97 1,2,4-Trimethylbenzene	105		23.573						
	98 sec-Butylbenzene	105		23.808						
	99 4-Isopropyltoluene	119		24.011						
	100 1,3-Dichlorobenzene	146		24.081						
	101 1,4-Dichlorobenzene	146		24.225						
	102 Benzyl chloride	91		24.434						
	103 n-Butylbenzene	91		24.653						
	105 1,2-Dichlorobenzene	146		24.830						
	107 1,2,4-Trichlorobenzene	180		27.724						
	108 Hexachlorobutadiene	225		27.927						
	109 Naphthalene	128		28.312						

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

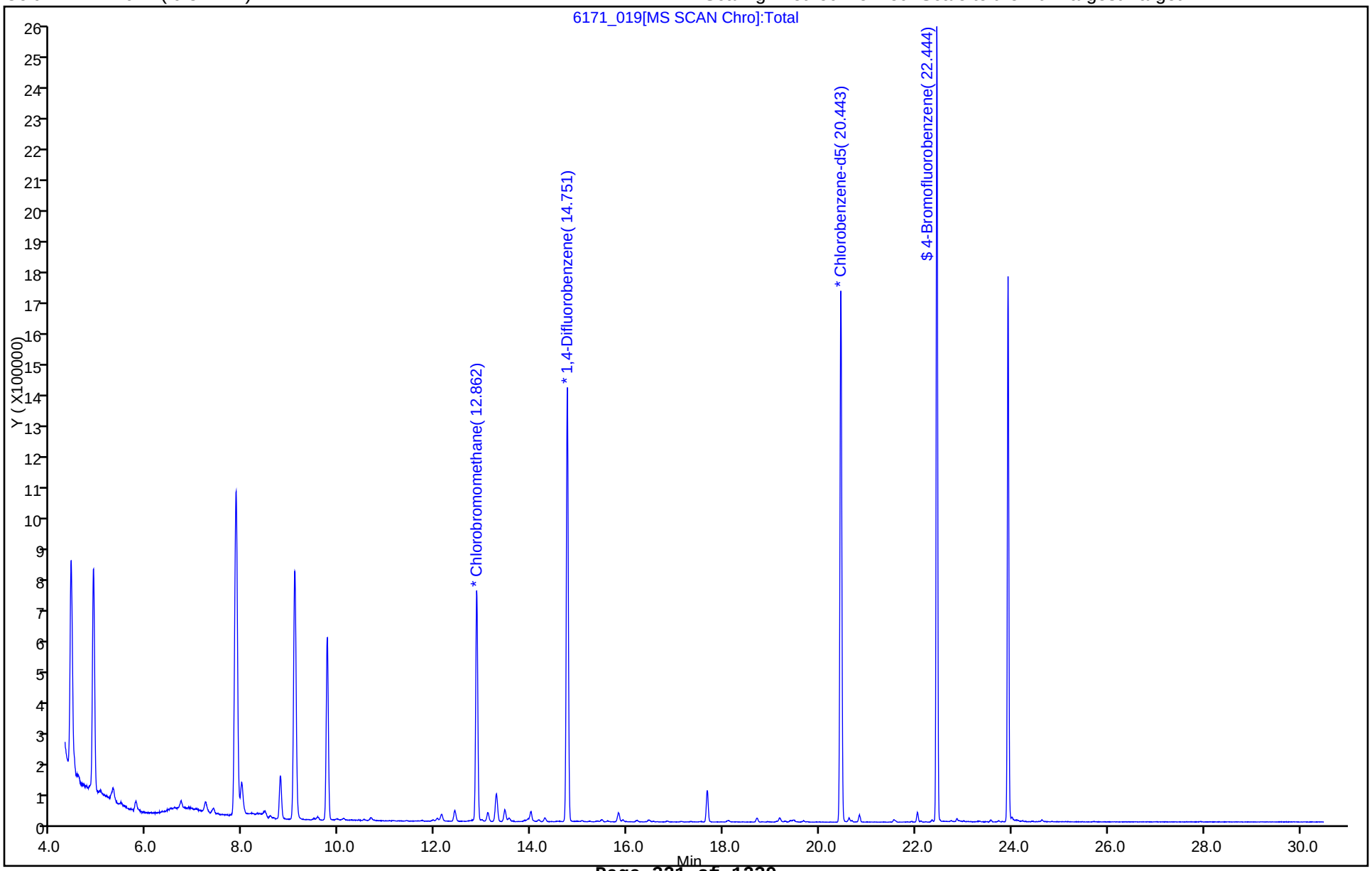
Report Date: 18-Feb-2014 11:48:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d

Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9	Worklist Smp#:	19
Client ID:	IA-VMP-3B				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



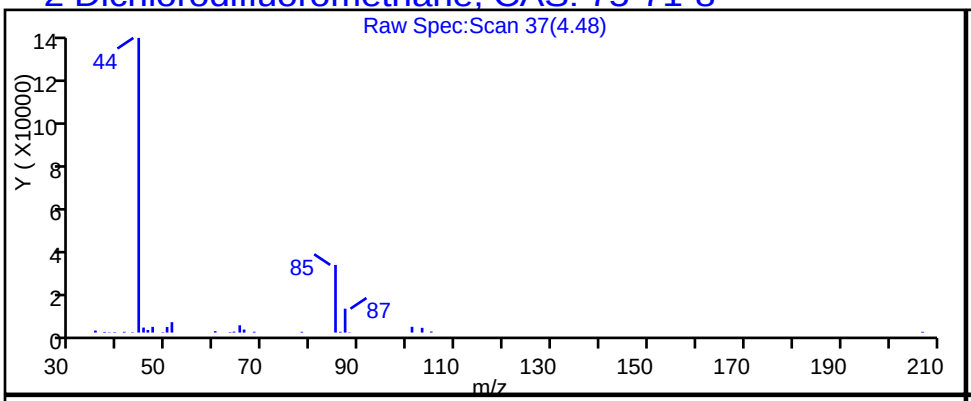
Report Date: 18-Feb-2014 11:48:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

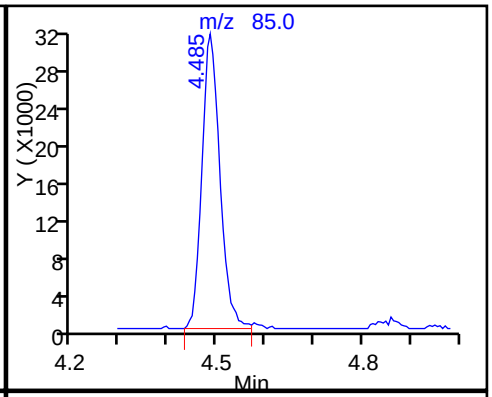
TestAmerica Burlington

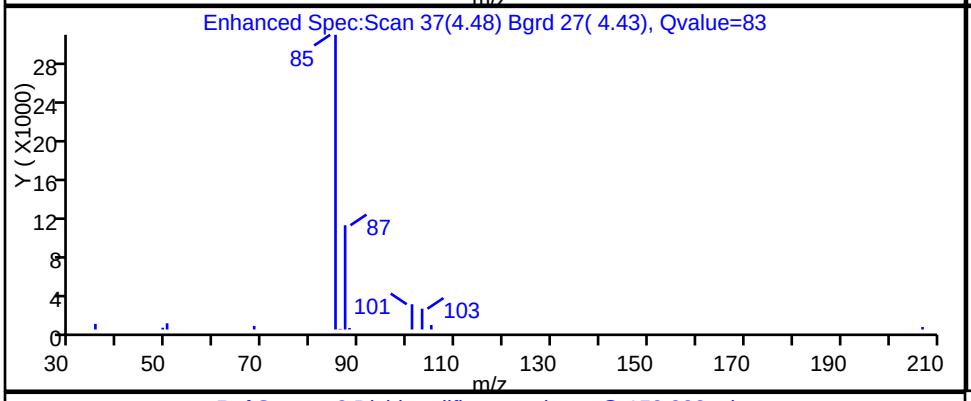
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d

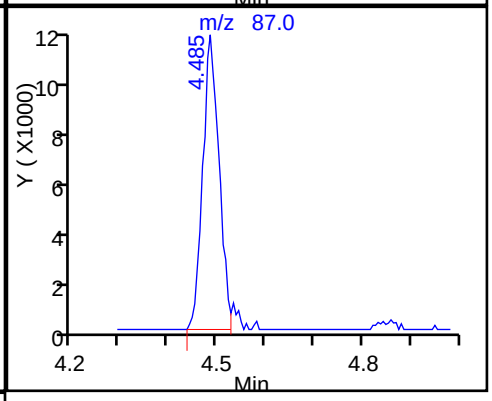
Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

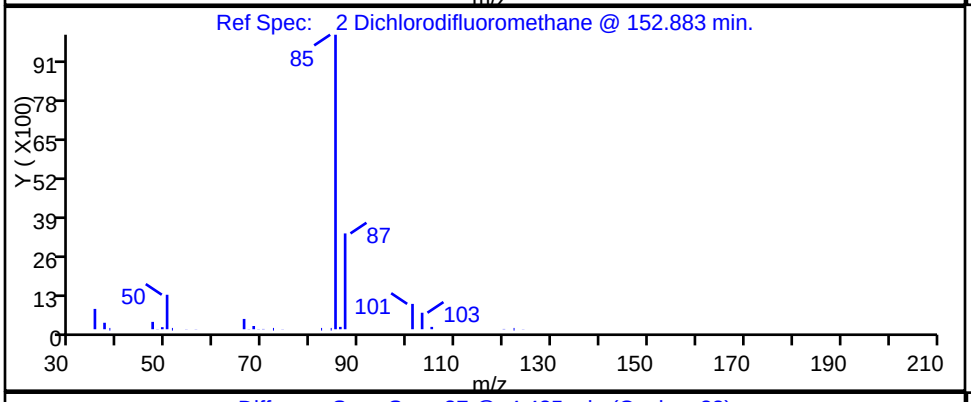
2 Dichlorodifluoromethane, CAS: 75-71-8

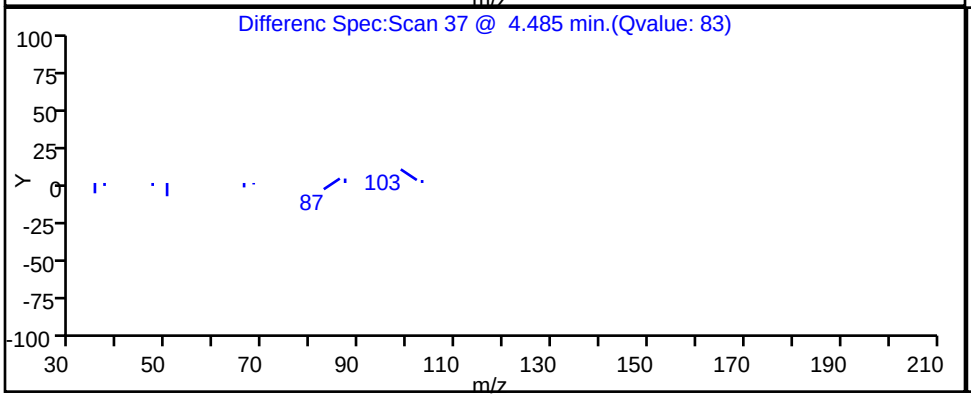


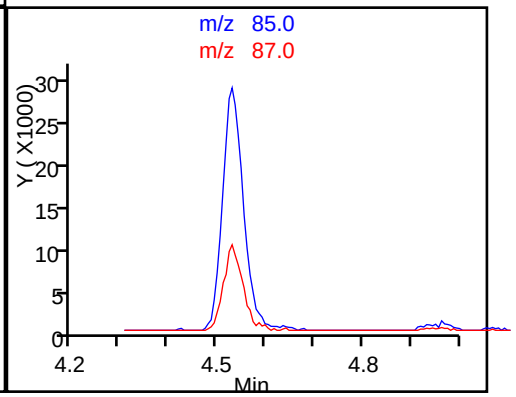












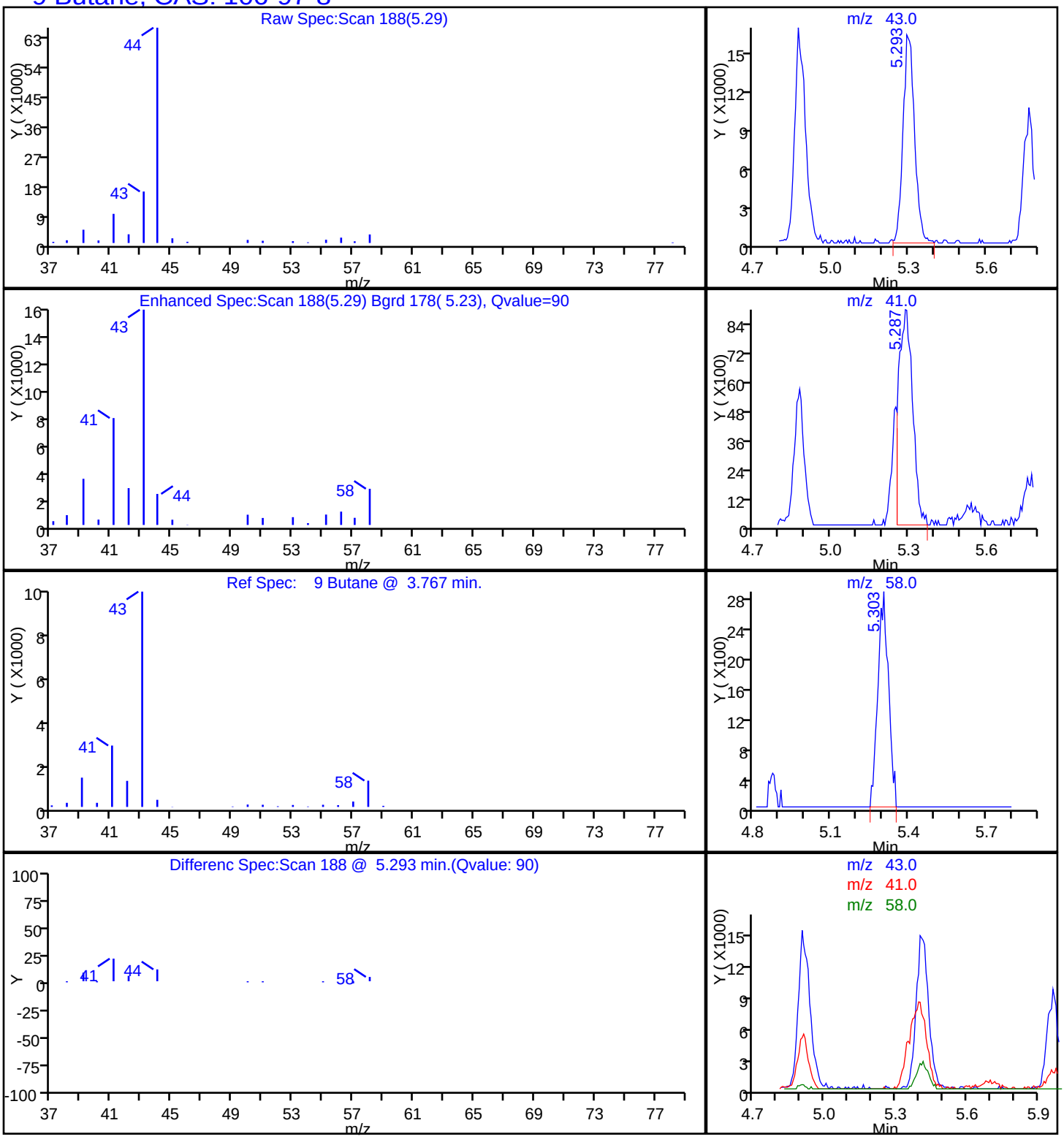
Report Date: 18-Feb-2014 11:48:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d

Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8

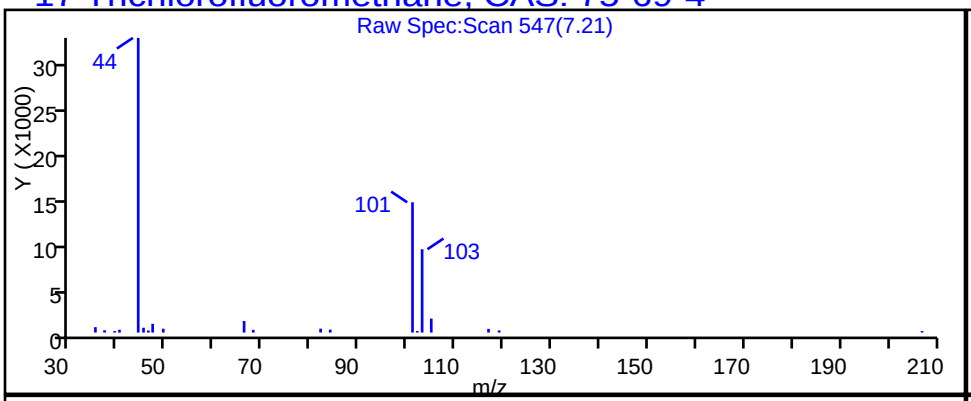


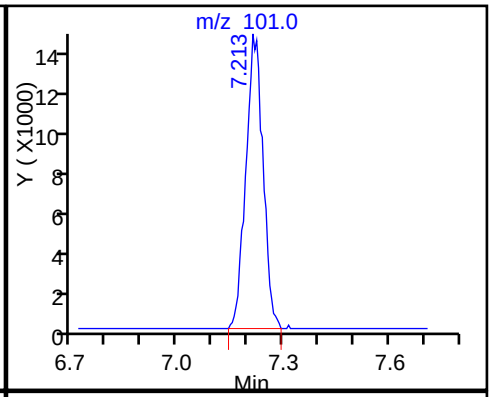
Report Date: 18-Feb-2014 11:48:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

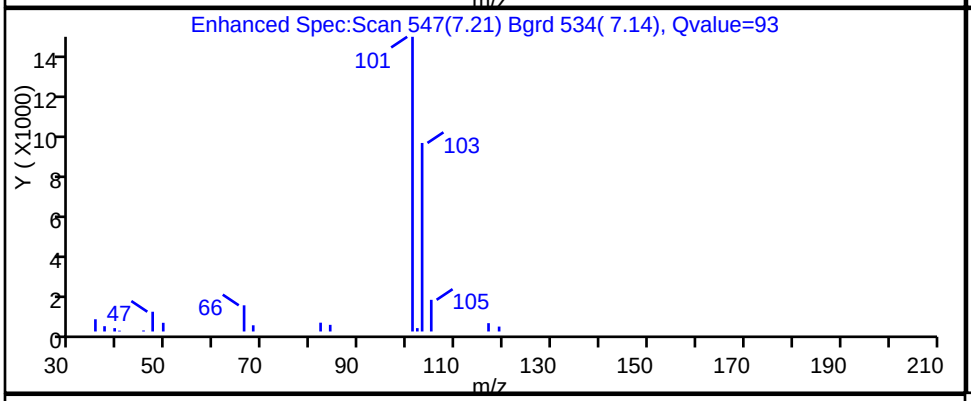
TestAmerica Burlington

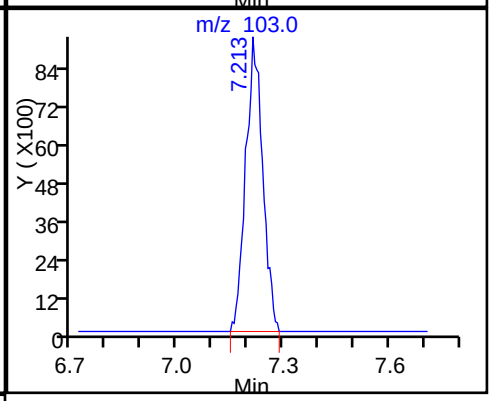
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d				
Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

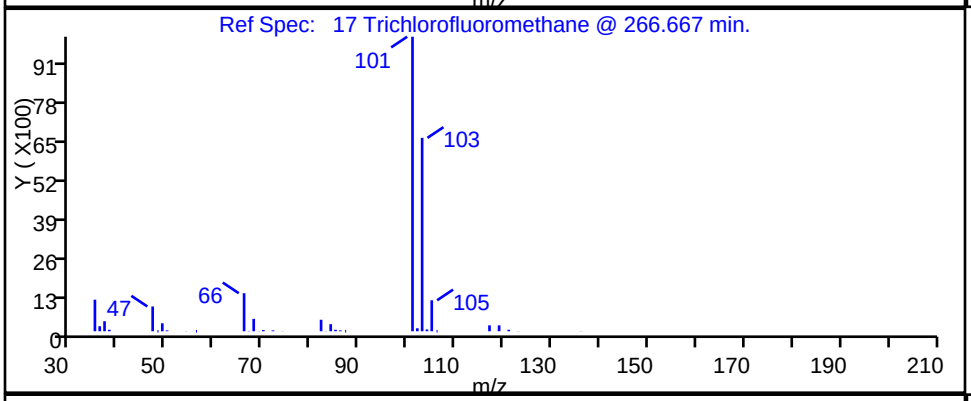
17 Trichlorofluoromethane, CAS: 75-69-4

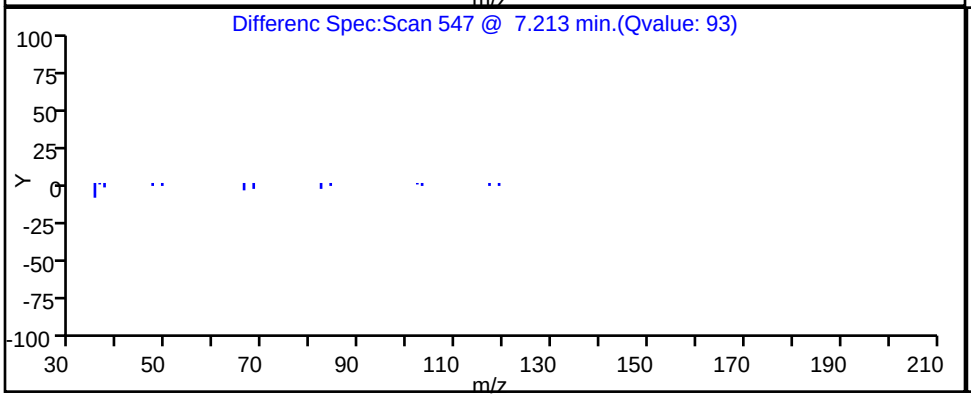


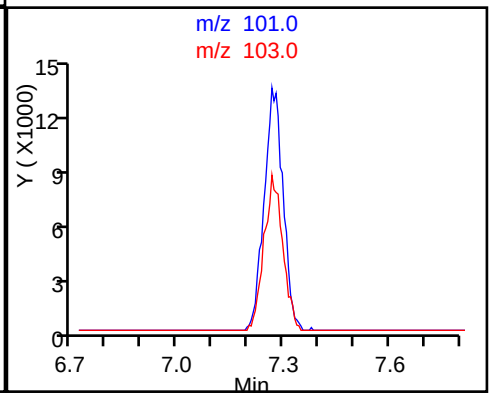












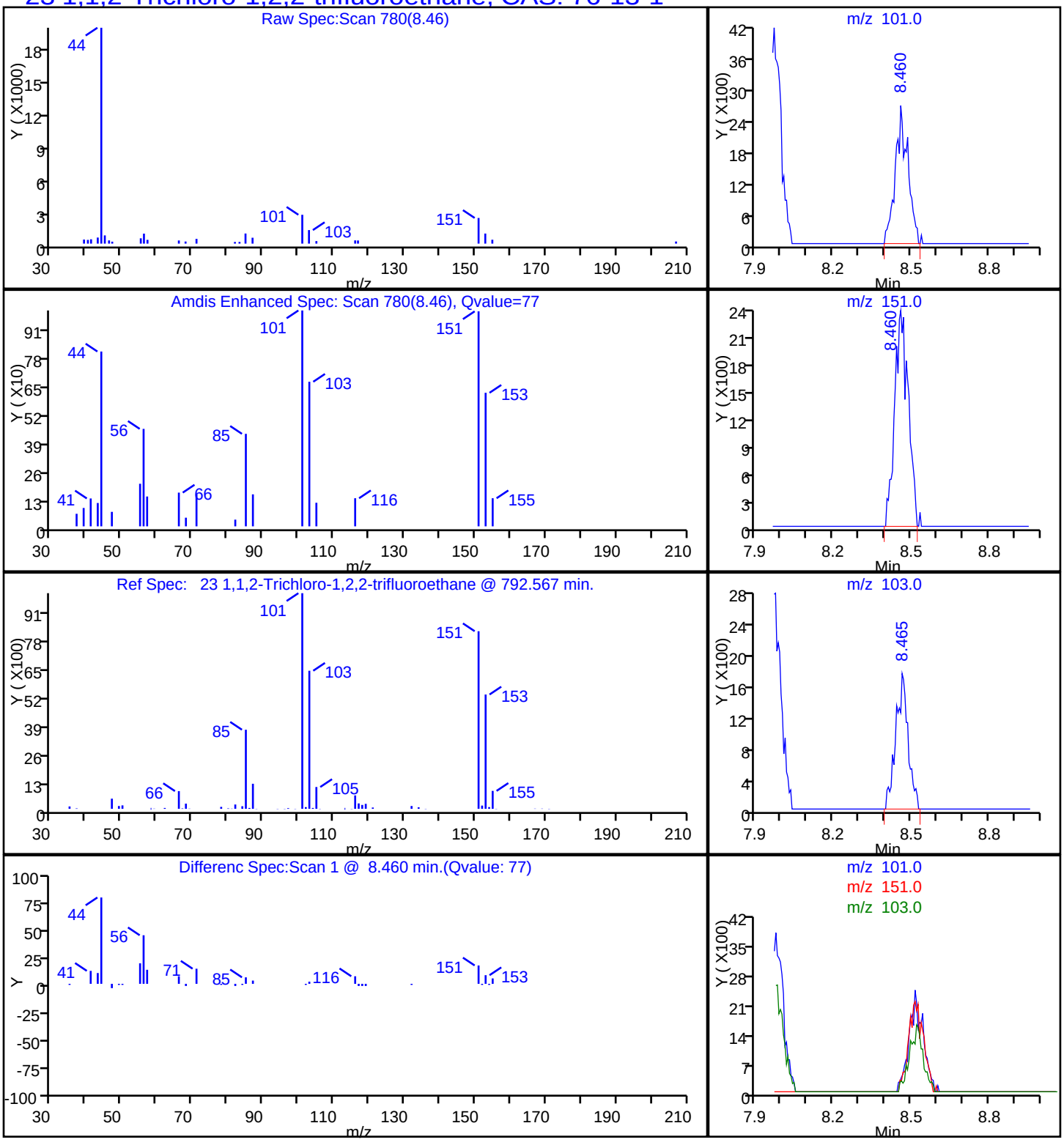
Report Date: 18-Feb-2014 11:48:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d

Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



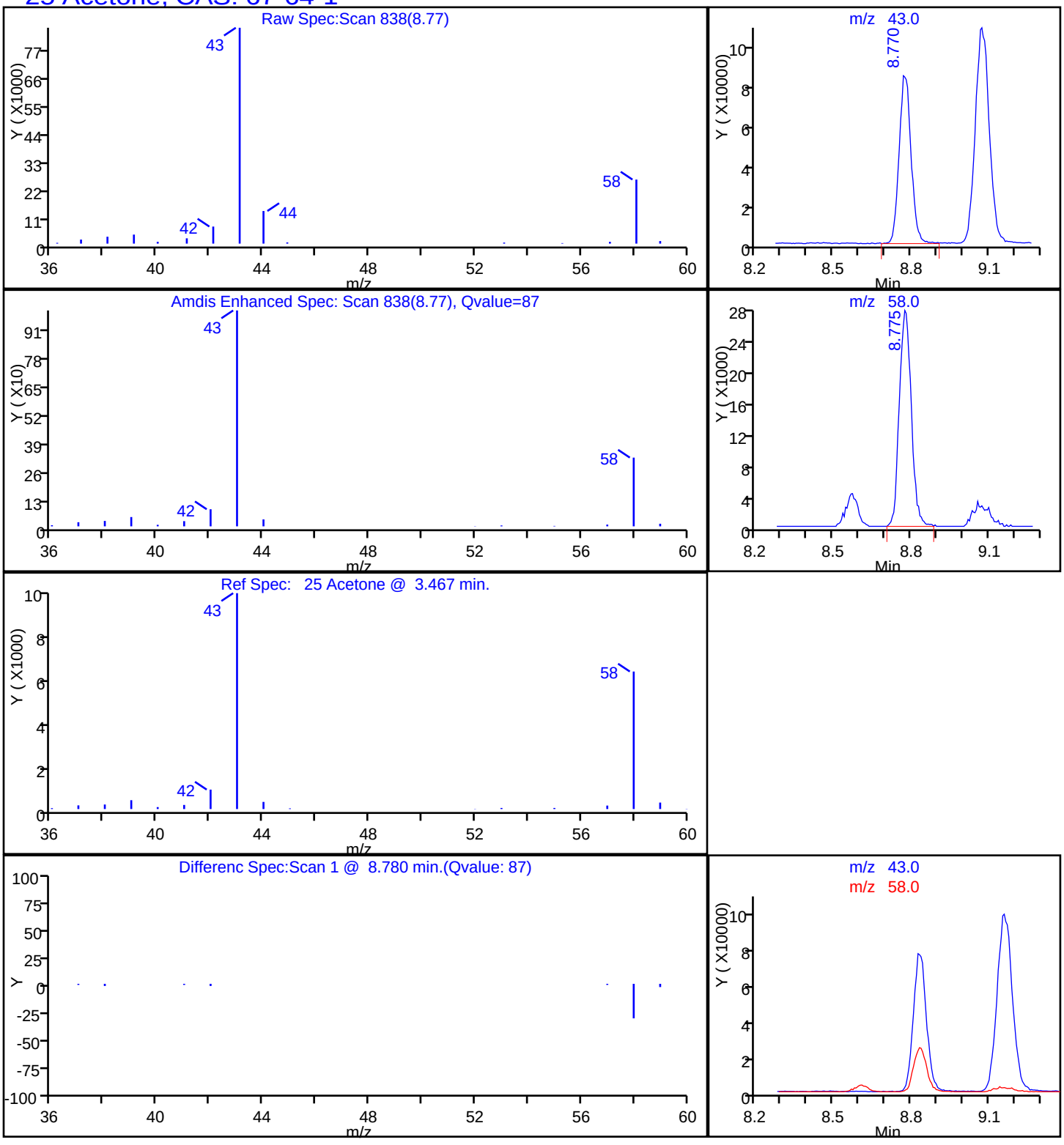
Report Date: 18-Feb-2014 11:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d

Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9
Client ID:	IA-VMP-3B		
Operator ID:	bl	ALS Bottle#:	1 Worklist Smp#: 19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

25 Acetone, CAS: 67-64-1



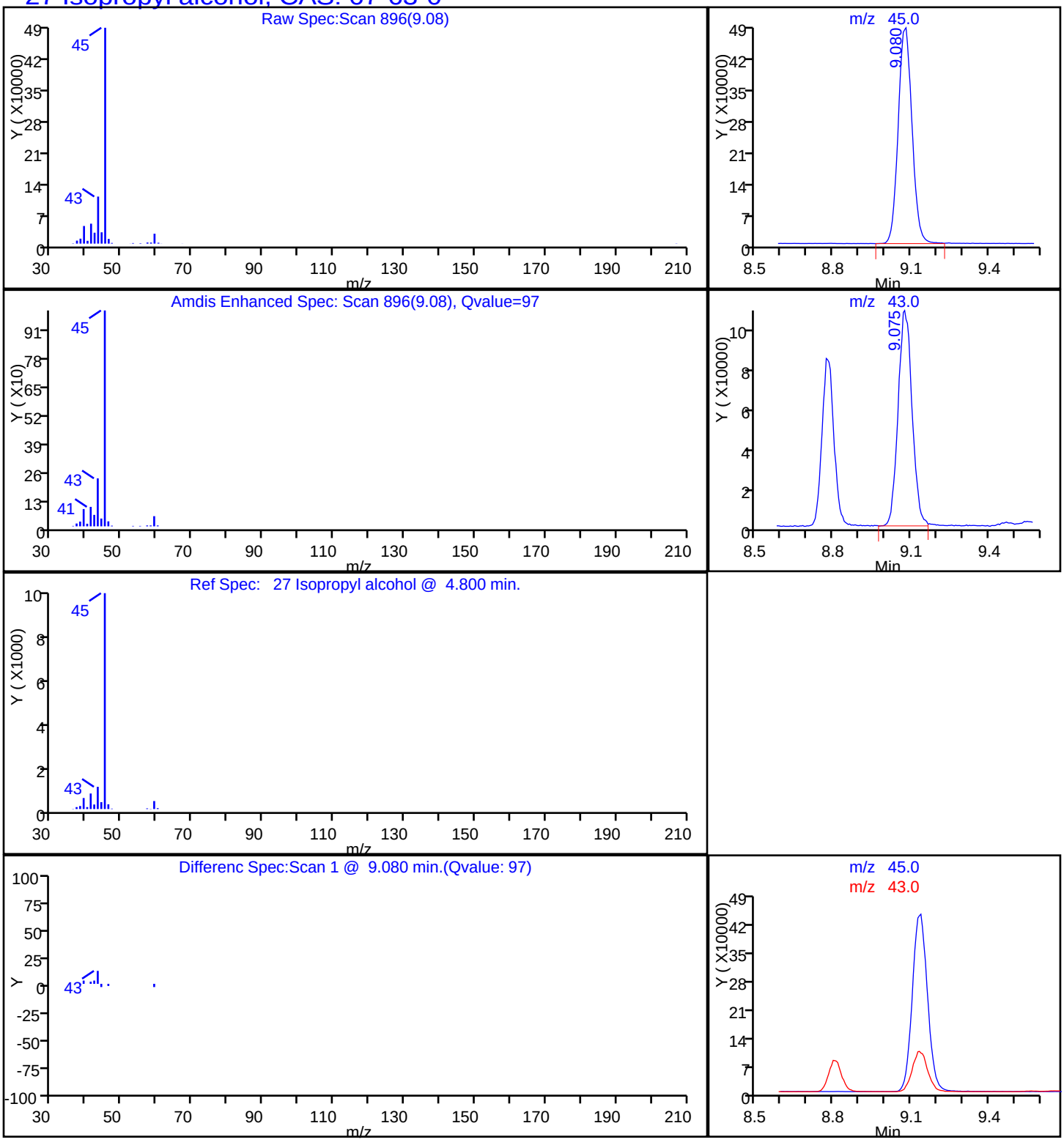
Report Date: 18-Feb-2014 11:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d

Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



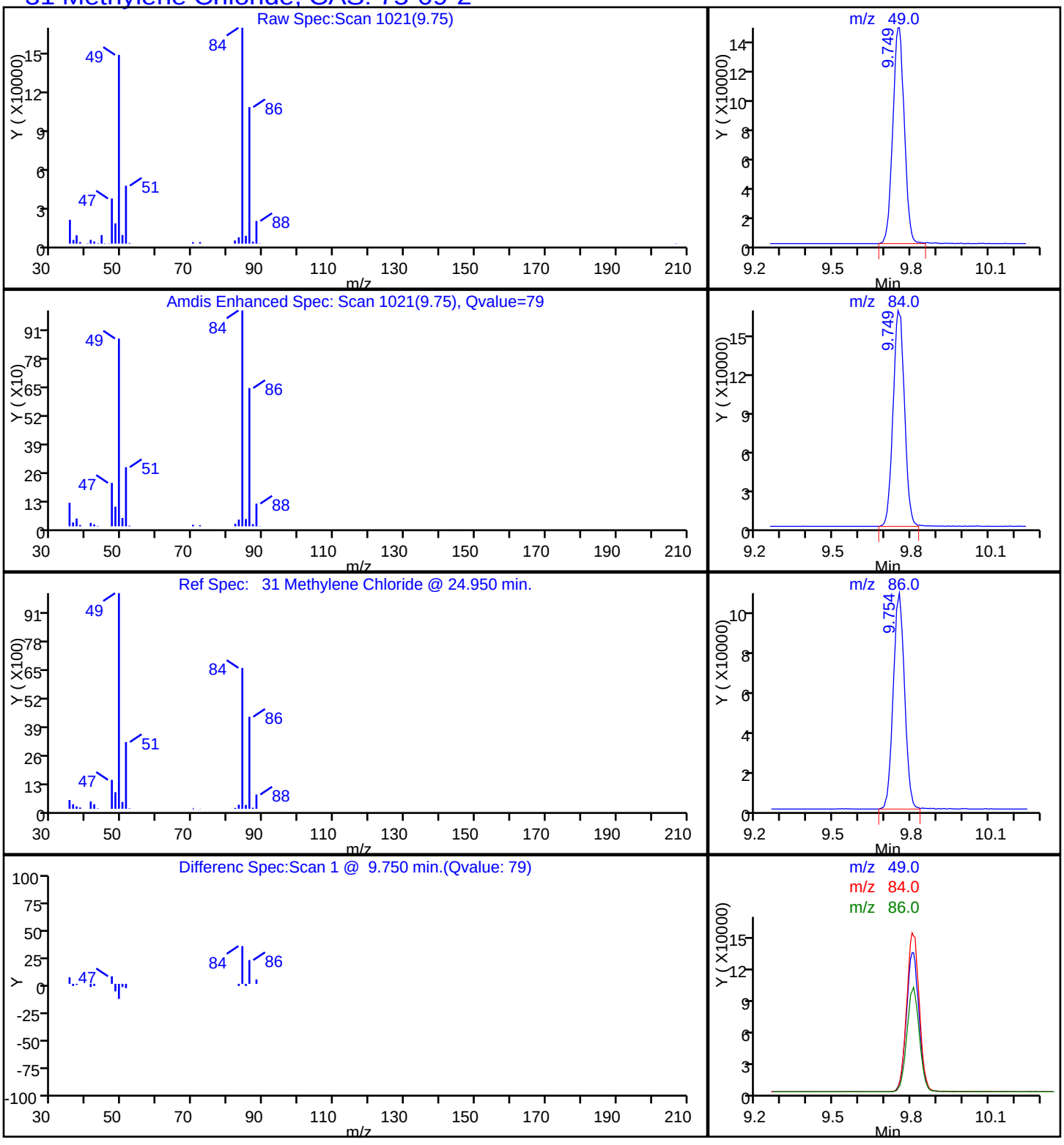
Report Date: 18-Feb-2014 11:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d

Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9
Client ID:	IA-VMP-3B		
Operator ID:	bl	ALS Bottle#:	1 Worklist Smp#: 19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

31 Methylene Chloride, CAS: 75-09-2



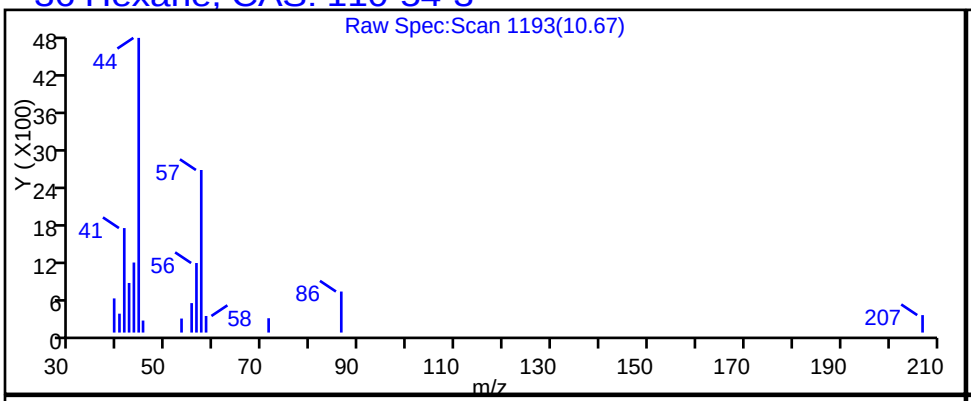
Report Date: 18-Feb-2014 11:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

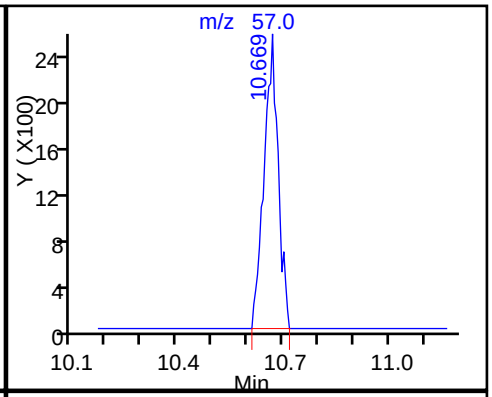
TestAmerica Burlington

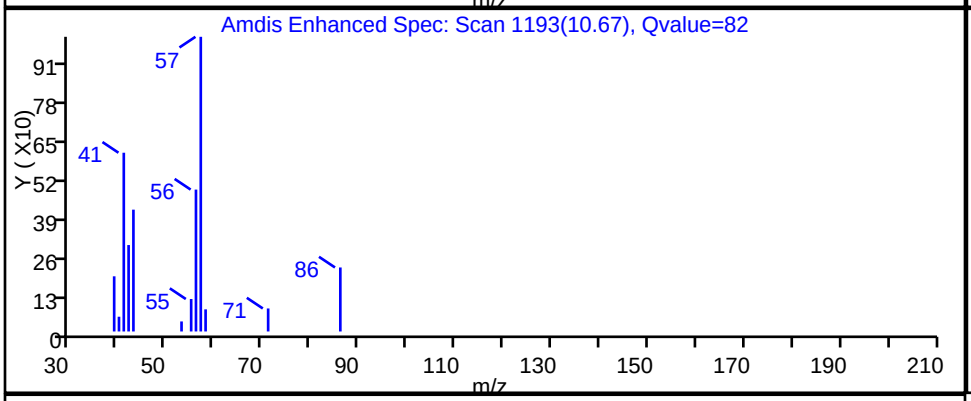
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d

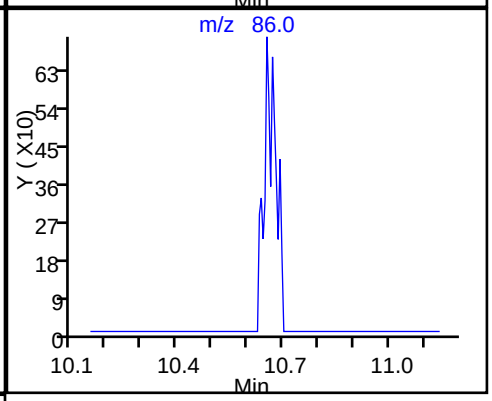
Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

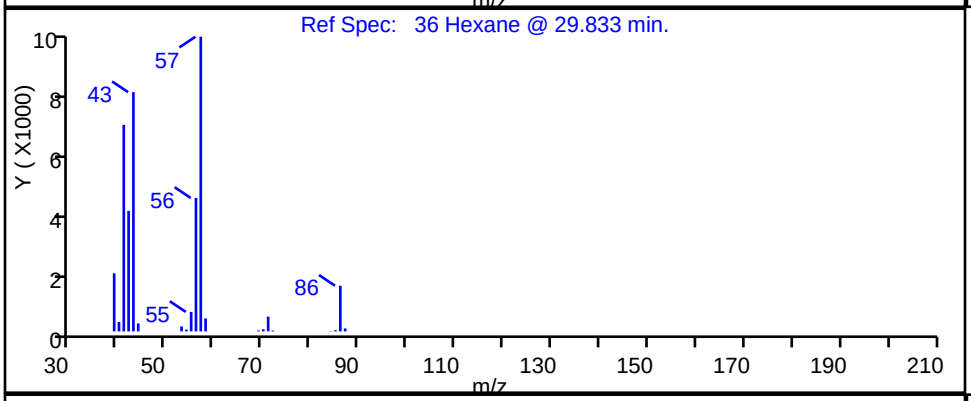
36 Hexane, CAS: 110-54-3

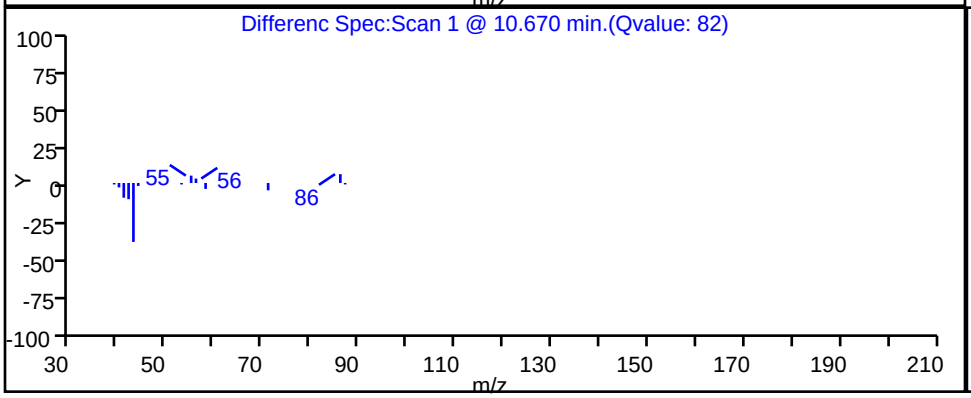


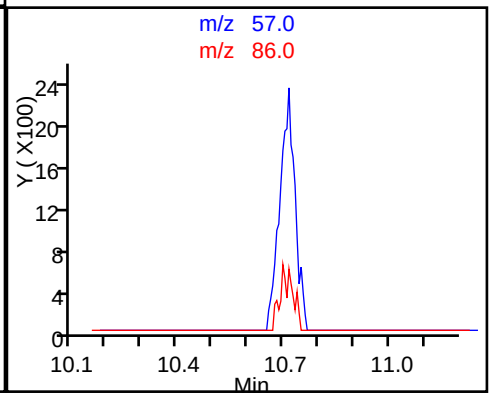










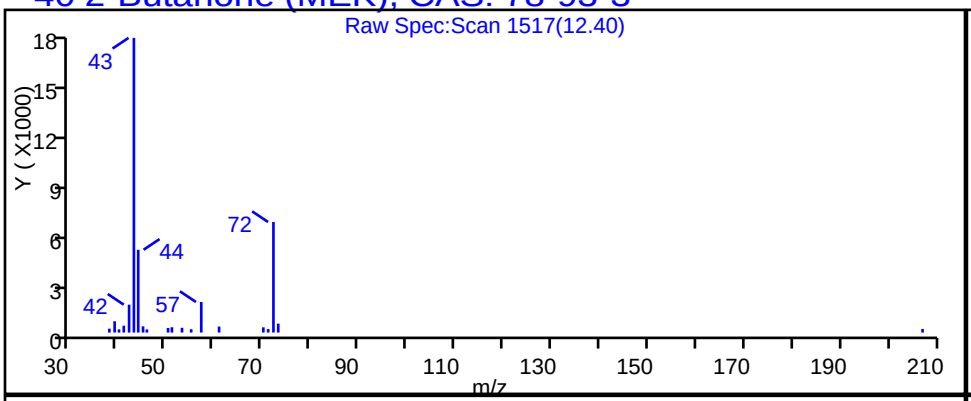


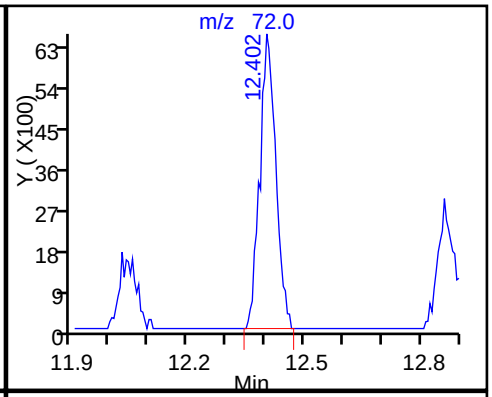
Report Date: 18-Feb-2014 11:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

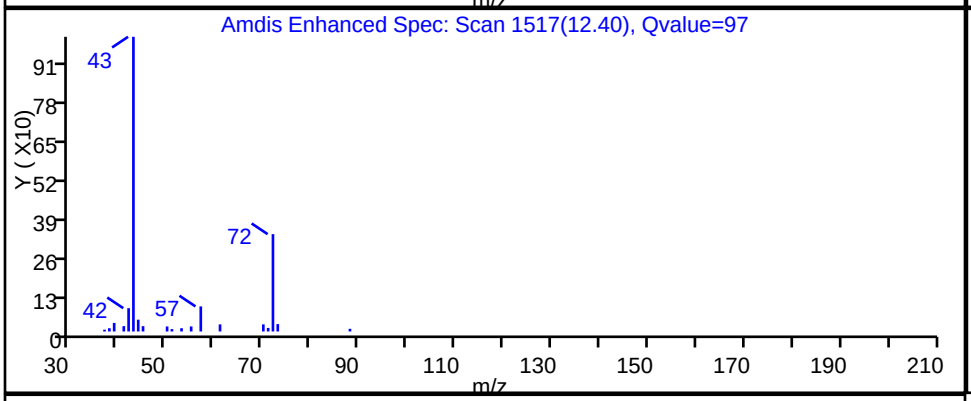
TestAmerica Burlington

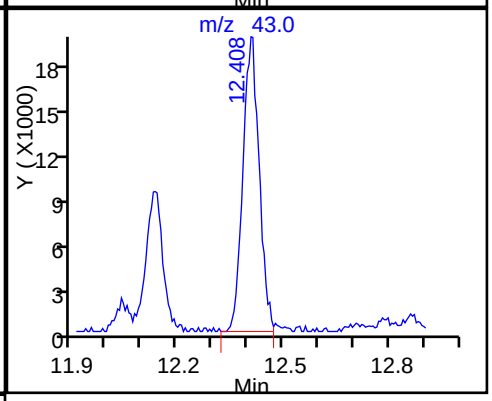
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d				
Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

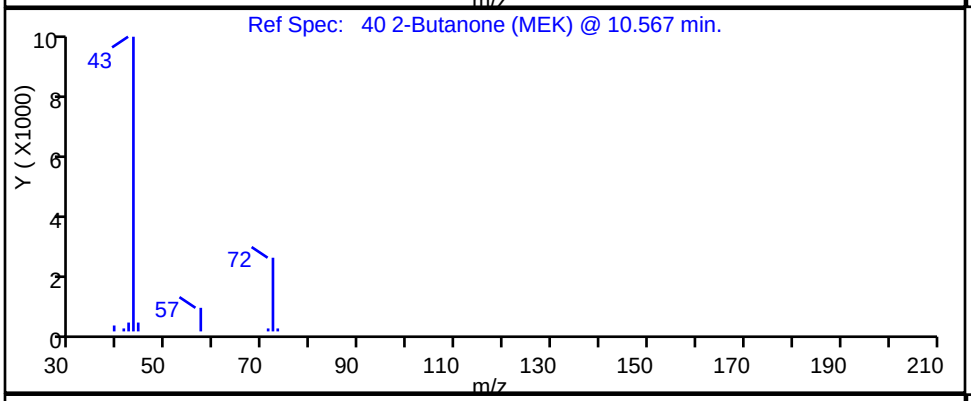
40 2-Butanone (MEK), CAS: 78-93-3

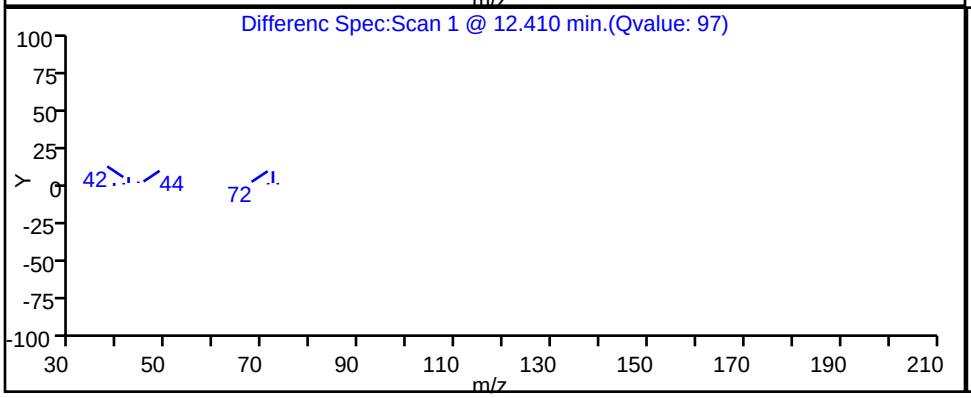


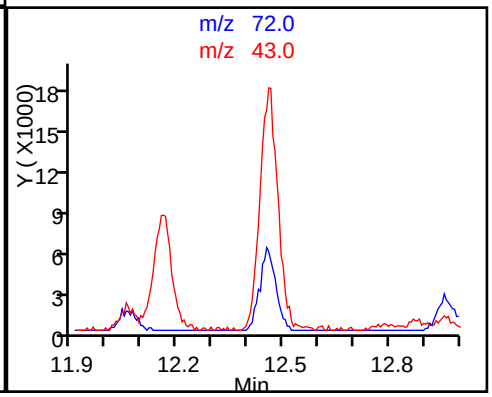












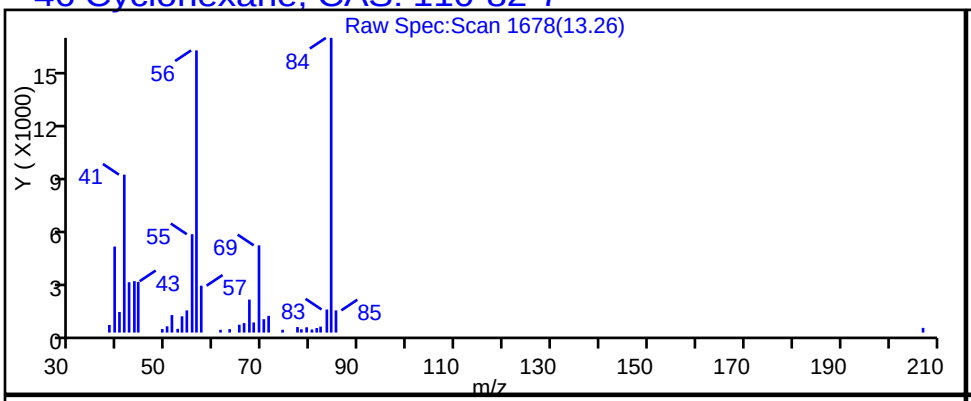
Report Date: 18-Feb-2014 11:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

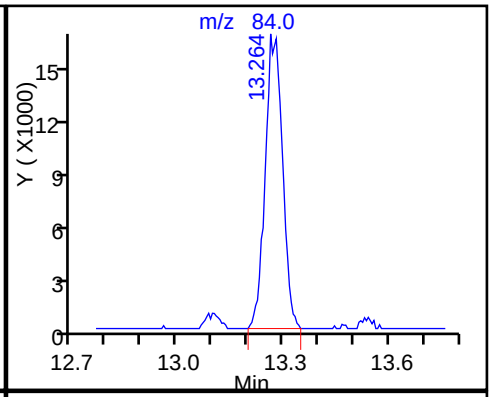
TestAmerica Burlington

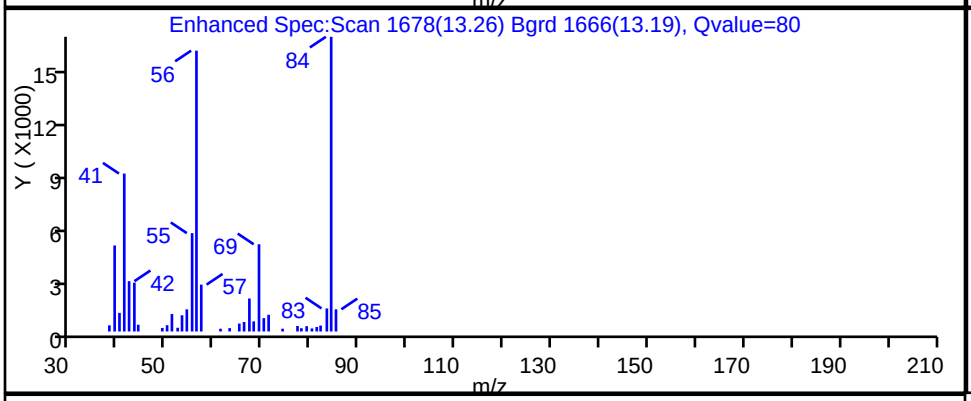
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d

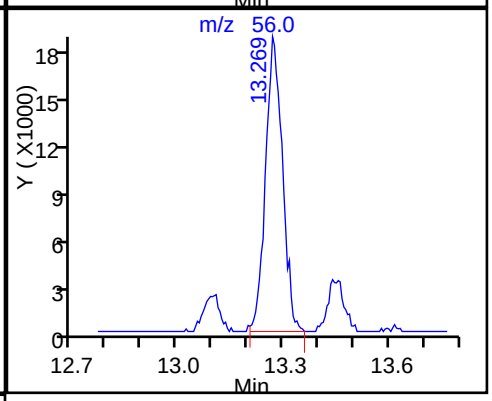
Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

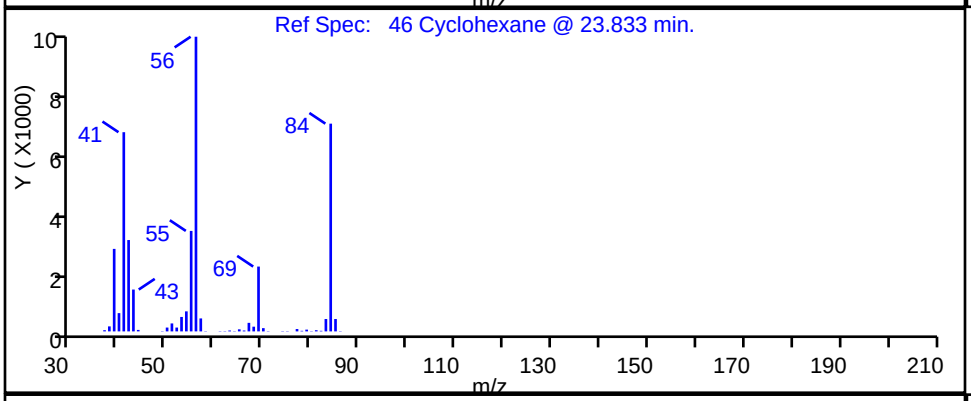
46 Cyclohexane, CAS: 110-82-7

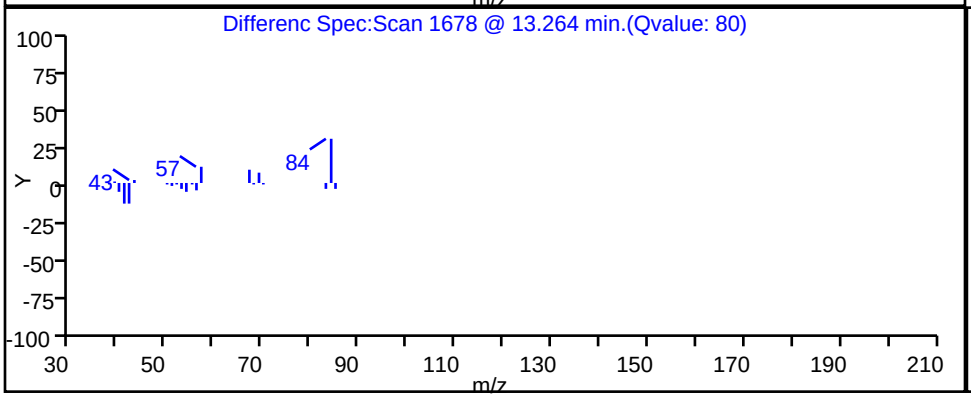


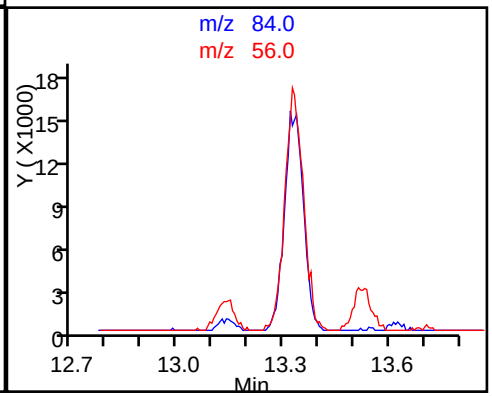












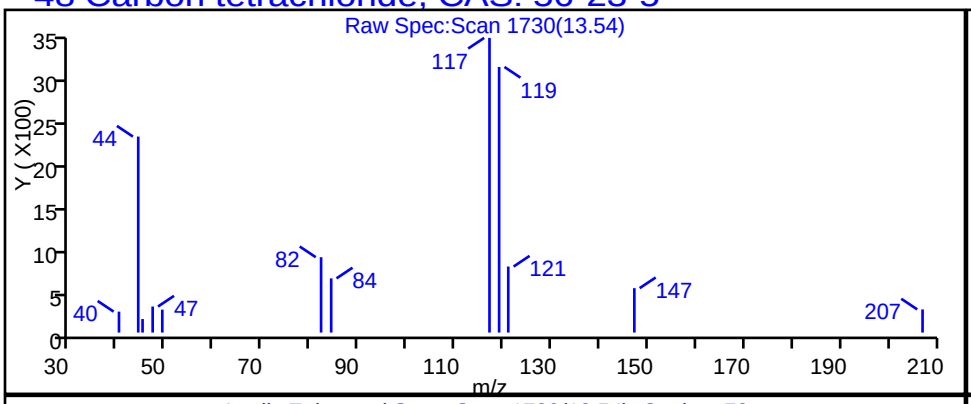
Report Date: 18-Feb-2014 11:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

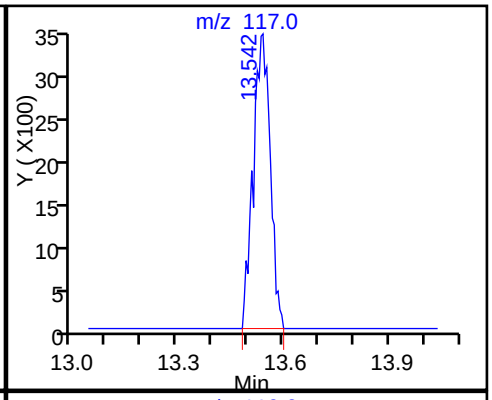
TestAmerica Burlington

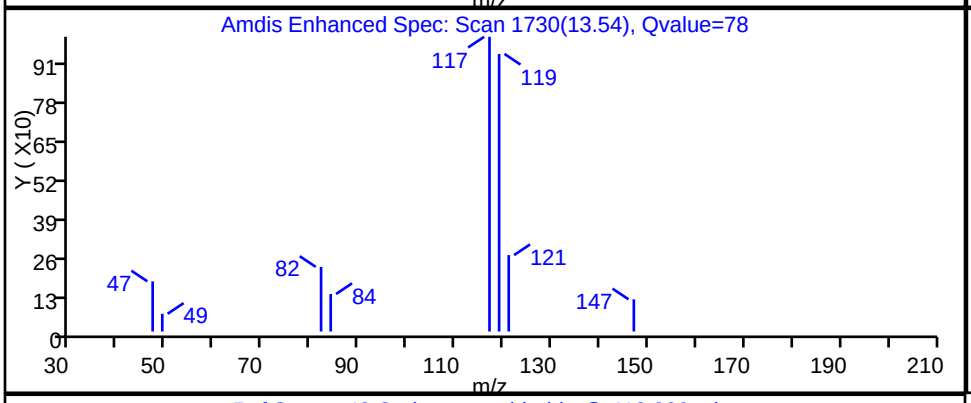
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d

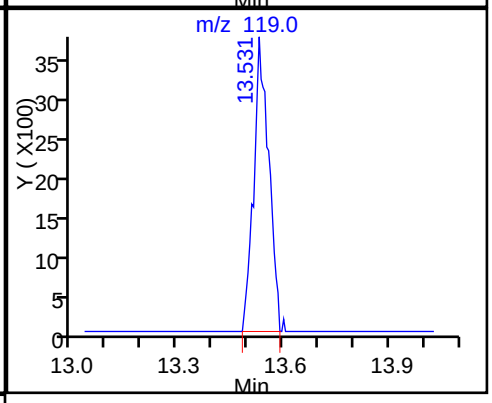
Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9
Client ID:	IA-VMP-3B		
Operator ID:	bl	ALS Bottle#:	1 Worklist Smp#: 19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

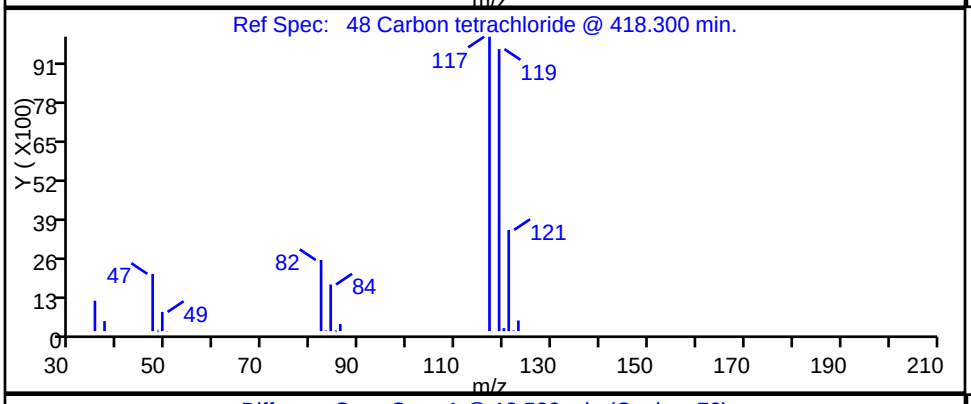
48 Carbon tetrachloride, CAS: 56-23-5

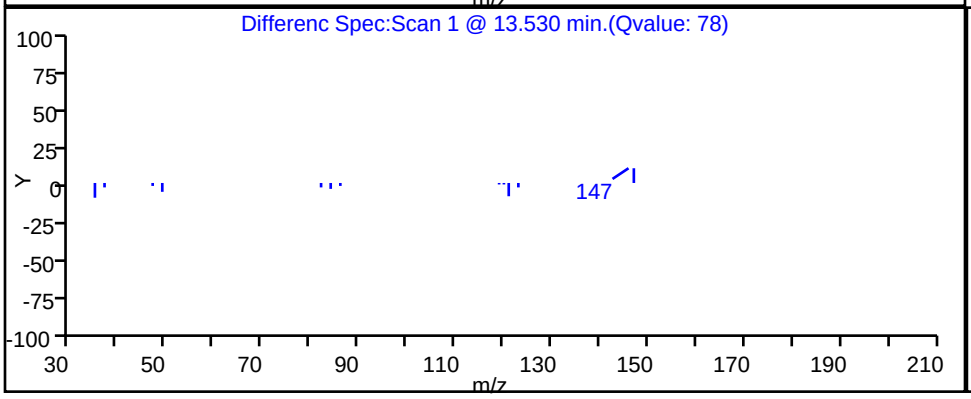


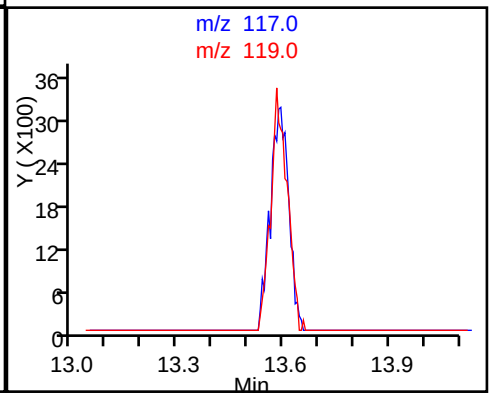












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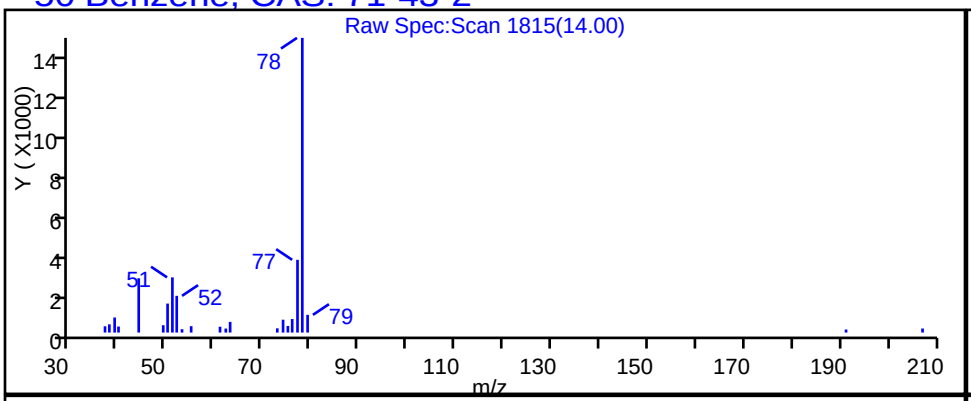
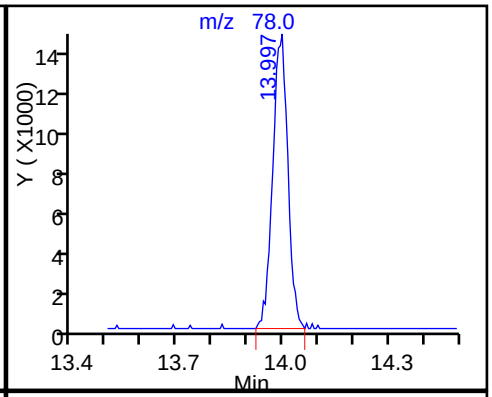
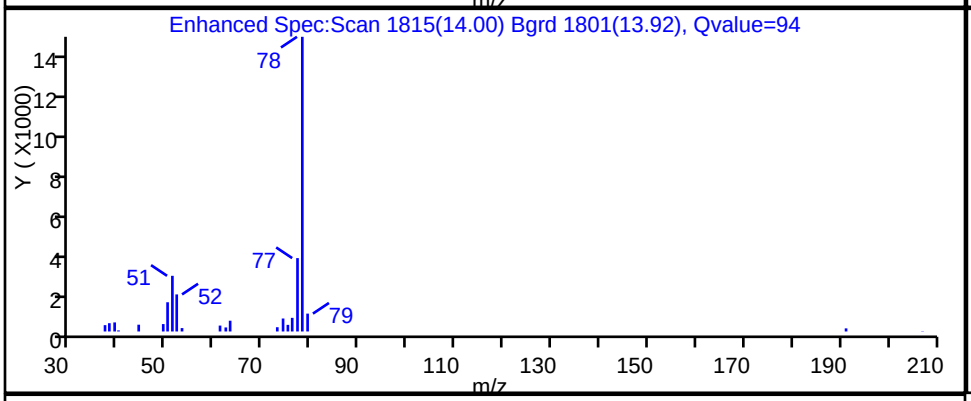
TestAmerica Burlington

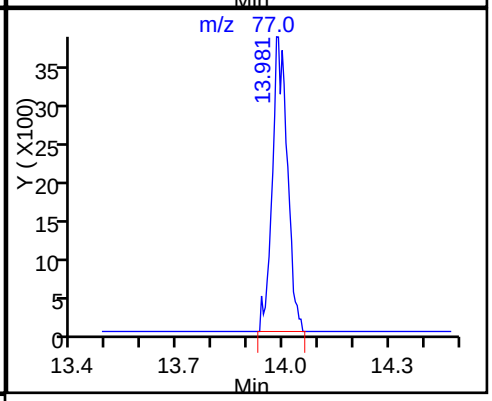
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d				
Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

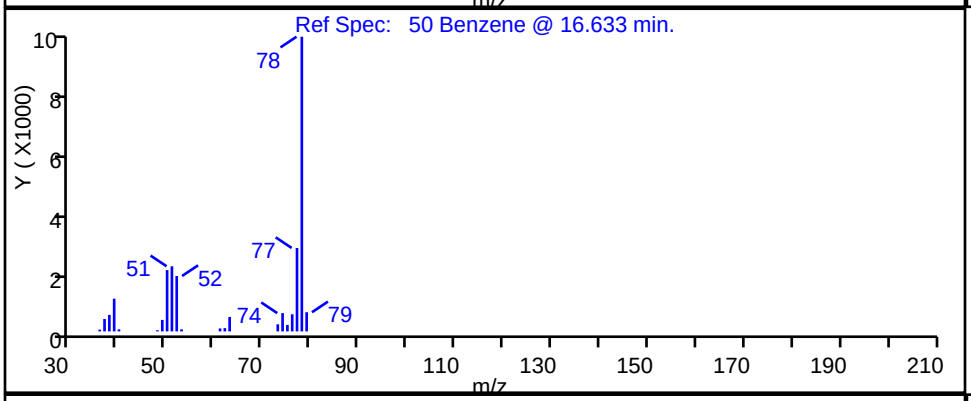
50 Benzene, CAS: 71-43-2

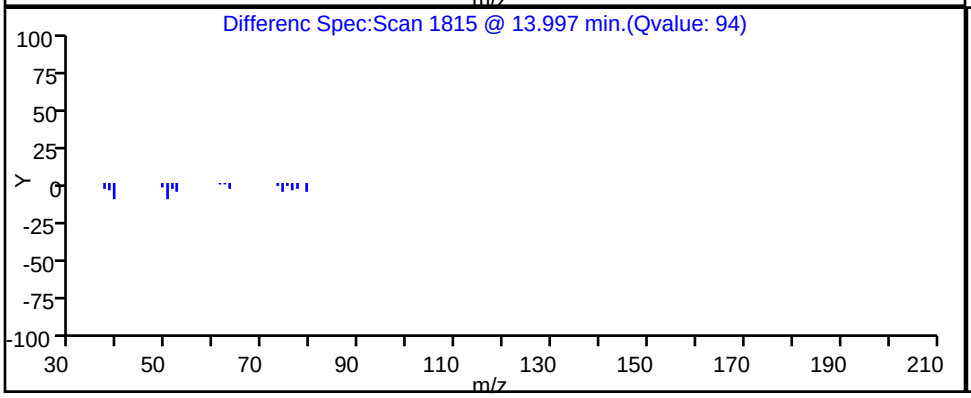


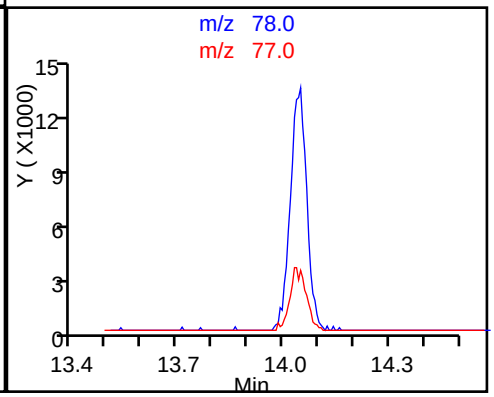












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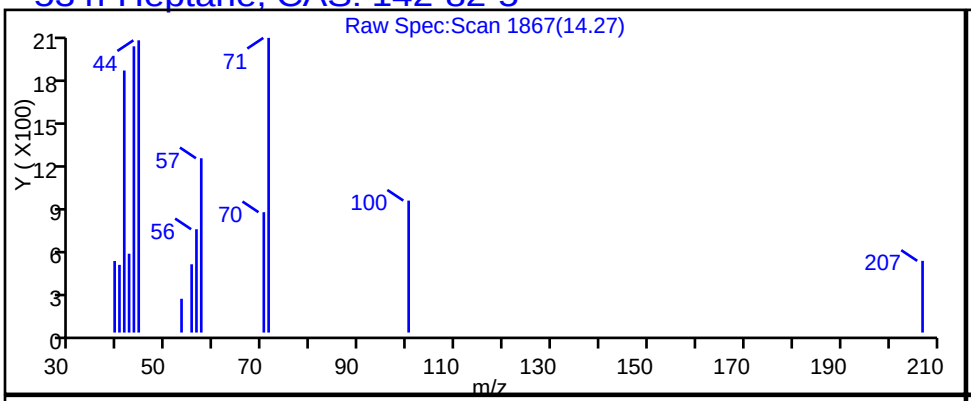
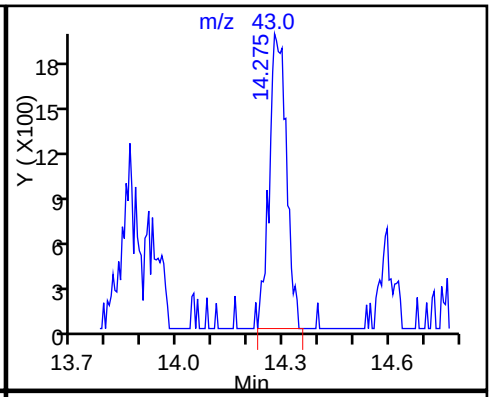
TestAmerica Burlington

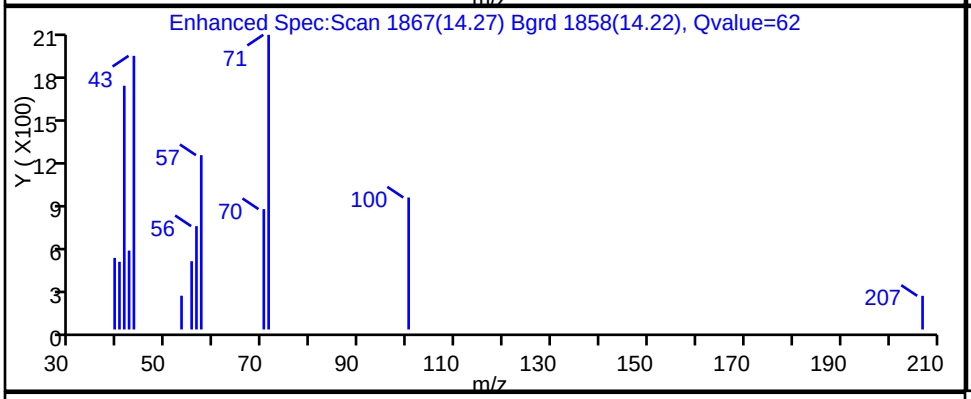
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d

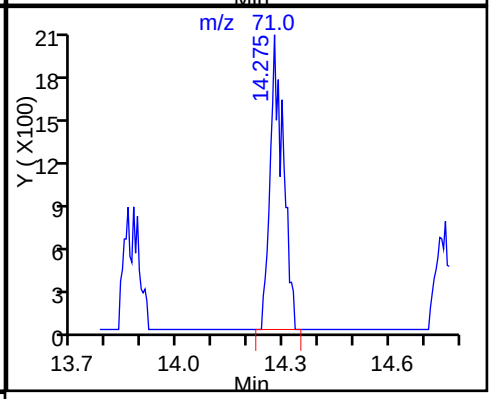
Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

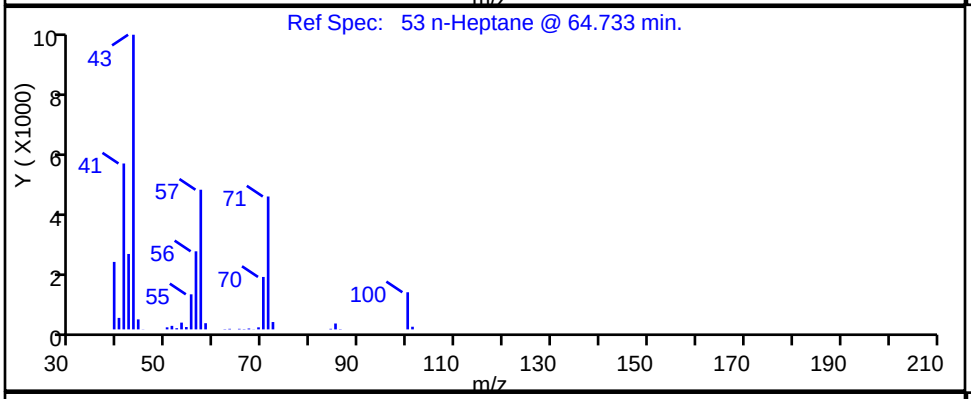
53 n-Heptane, CAS: 142-82-5

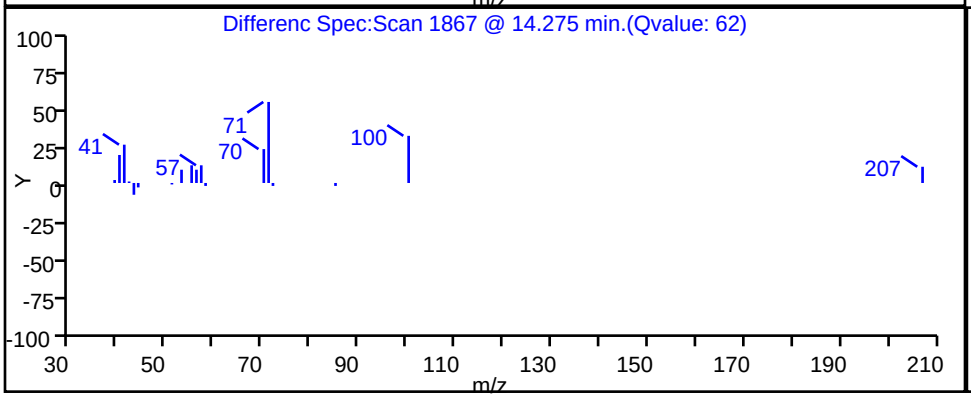


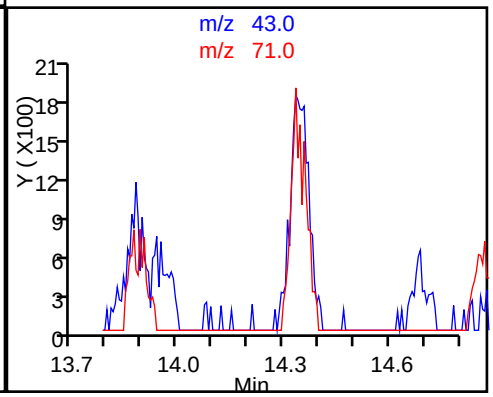










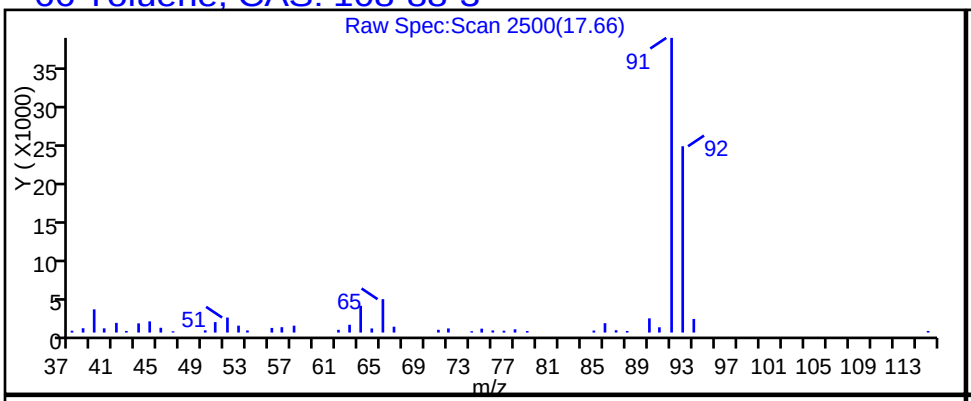


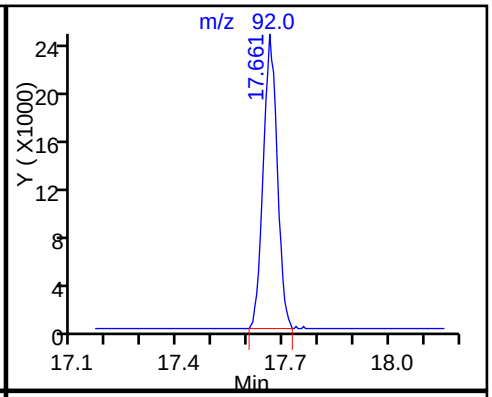
Report Date: 18-Feb-2014 11:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

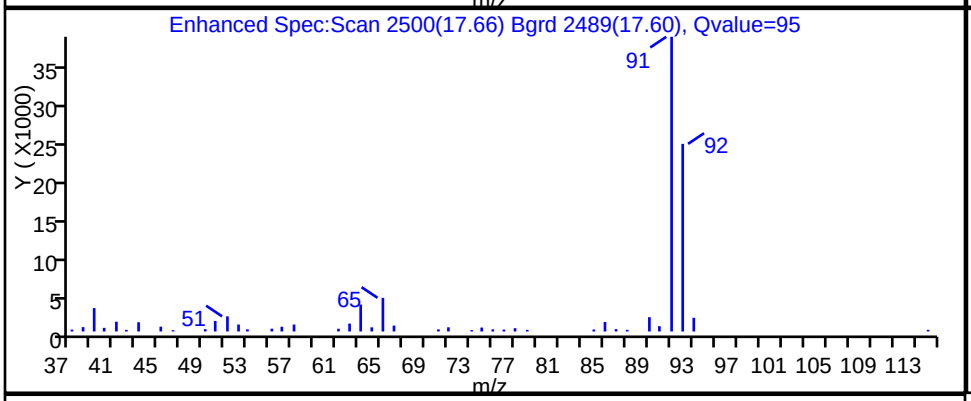
TestAmerica Burlington

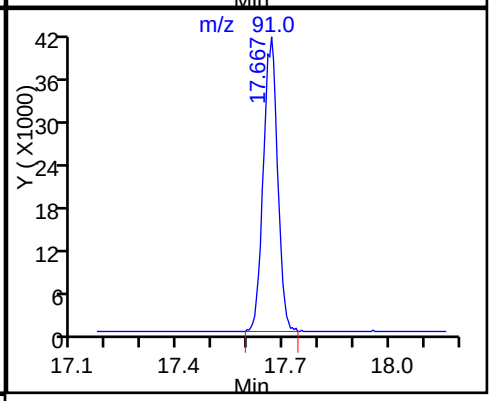
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d				
Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

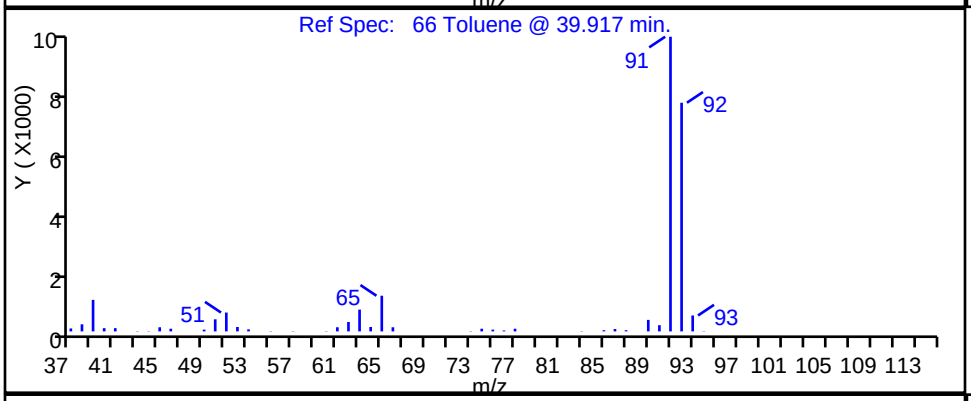
66 Toluene, CAS: 108-88-3

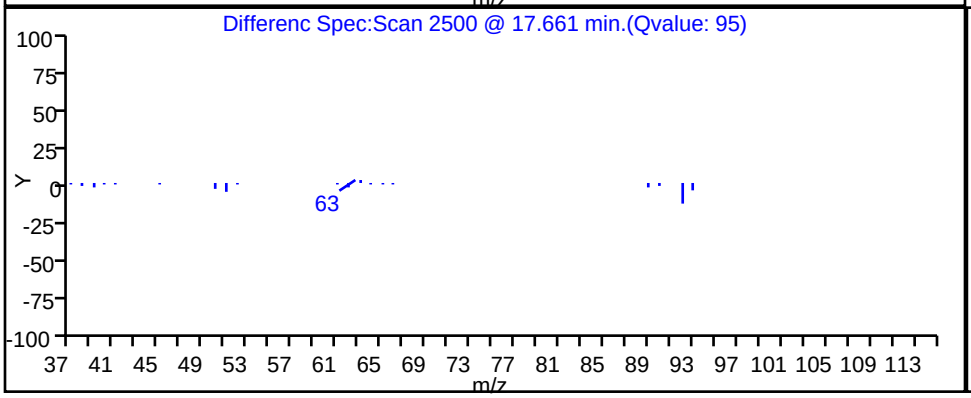


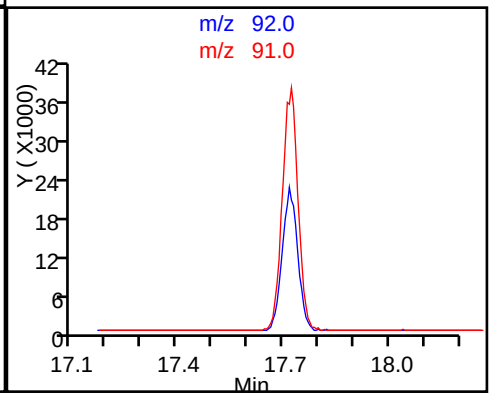












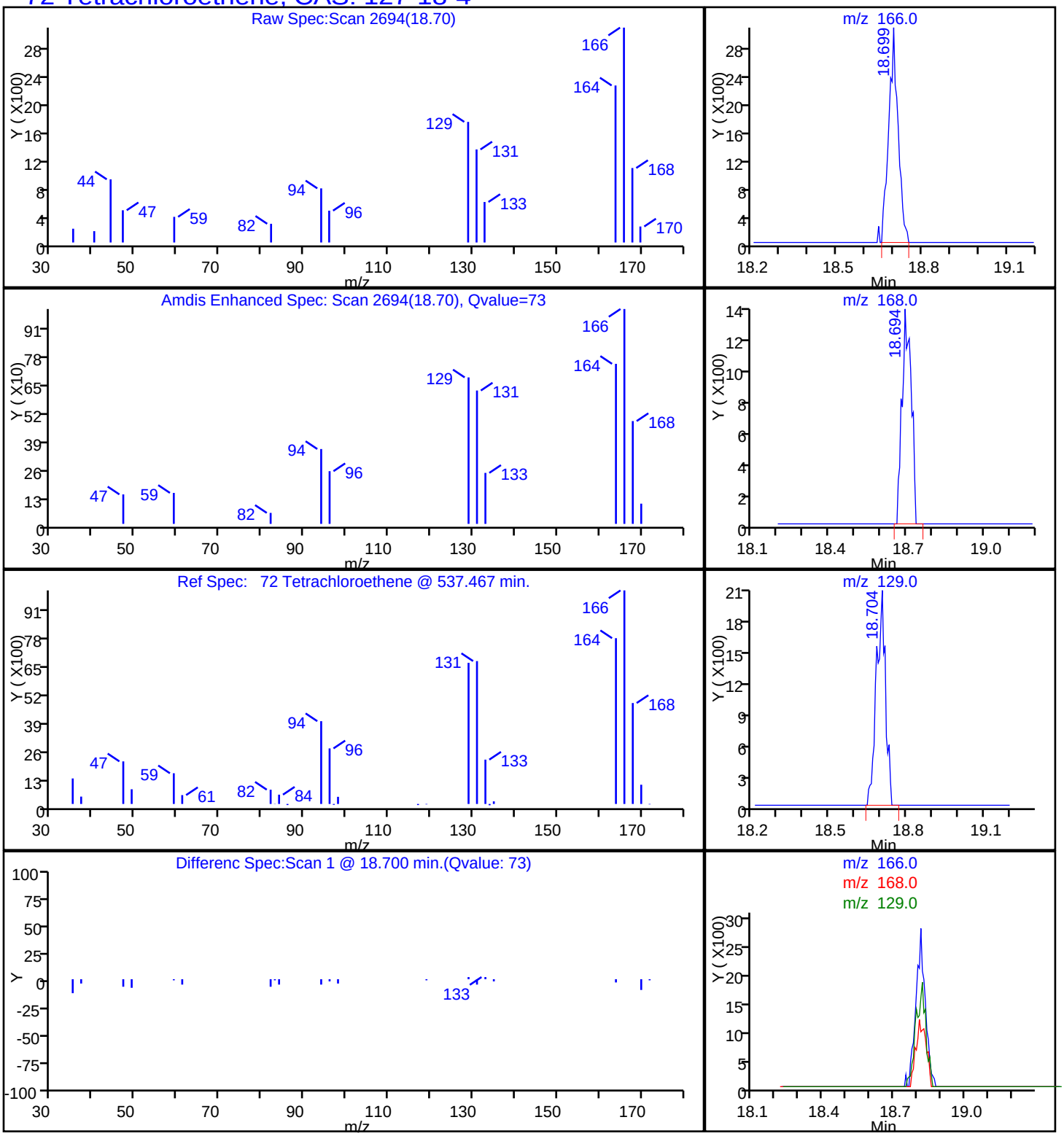
Report Date: 18-Feb-2014 11:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d

Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



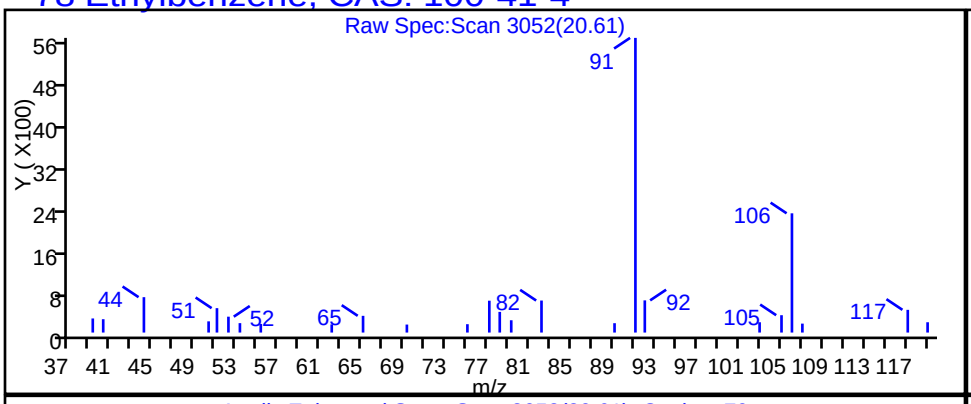
Report Date: 18-Feb-2014 11:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

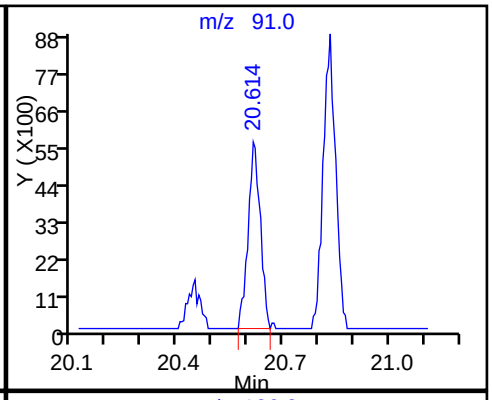
TestAmerica Burlington

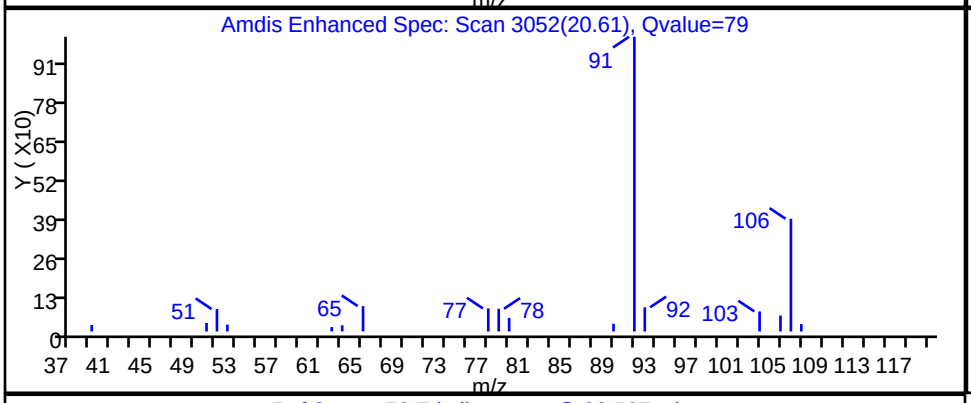
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d

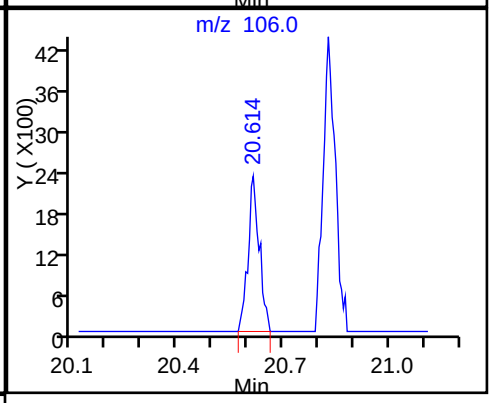
Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9
Client ID:	IA-VMP-3B		
Operator ID:	bl	ALS Bottle#:	1 Worklist Smp#: 19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

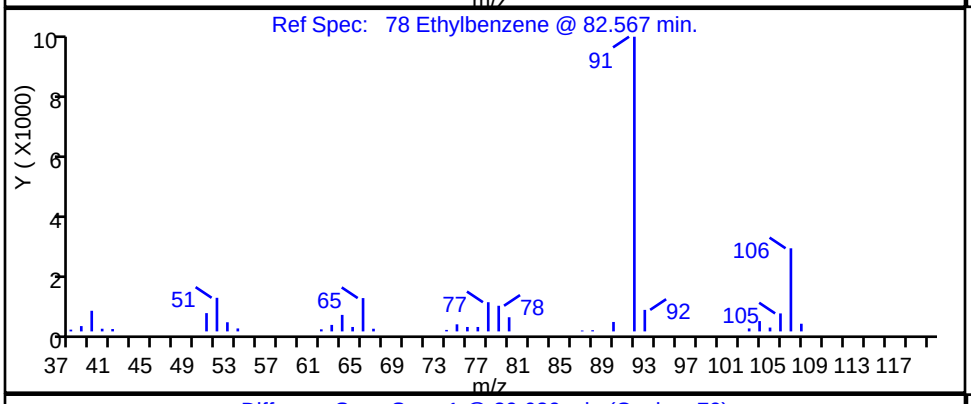
78 Ethylbenzene, CAS: 100-41-4

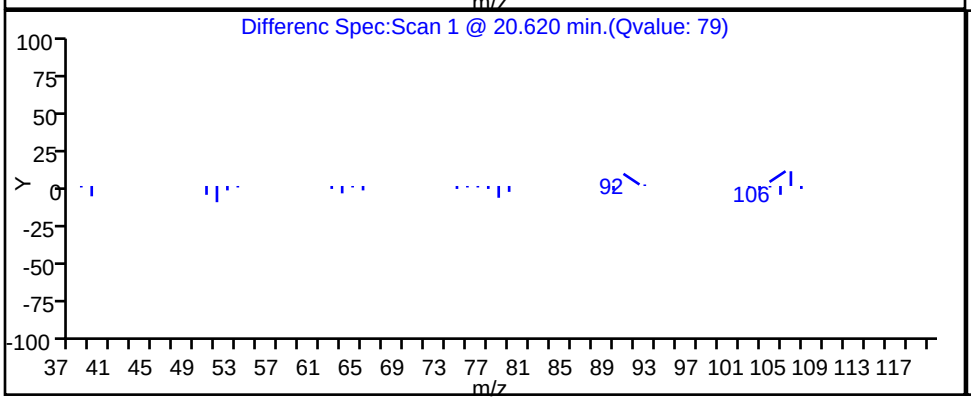


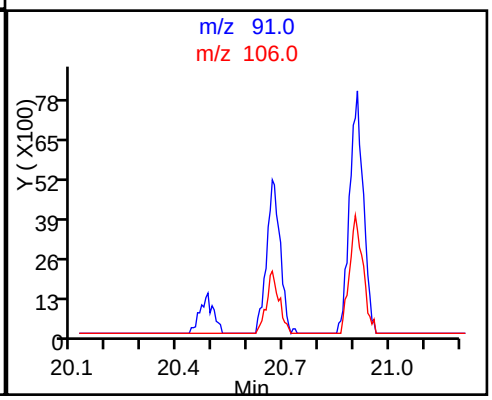












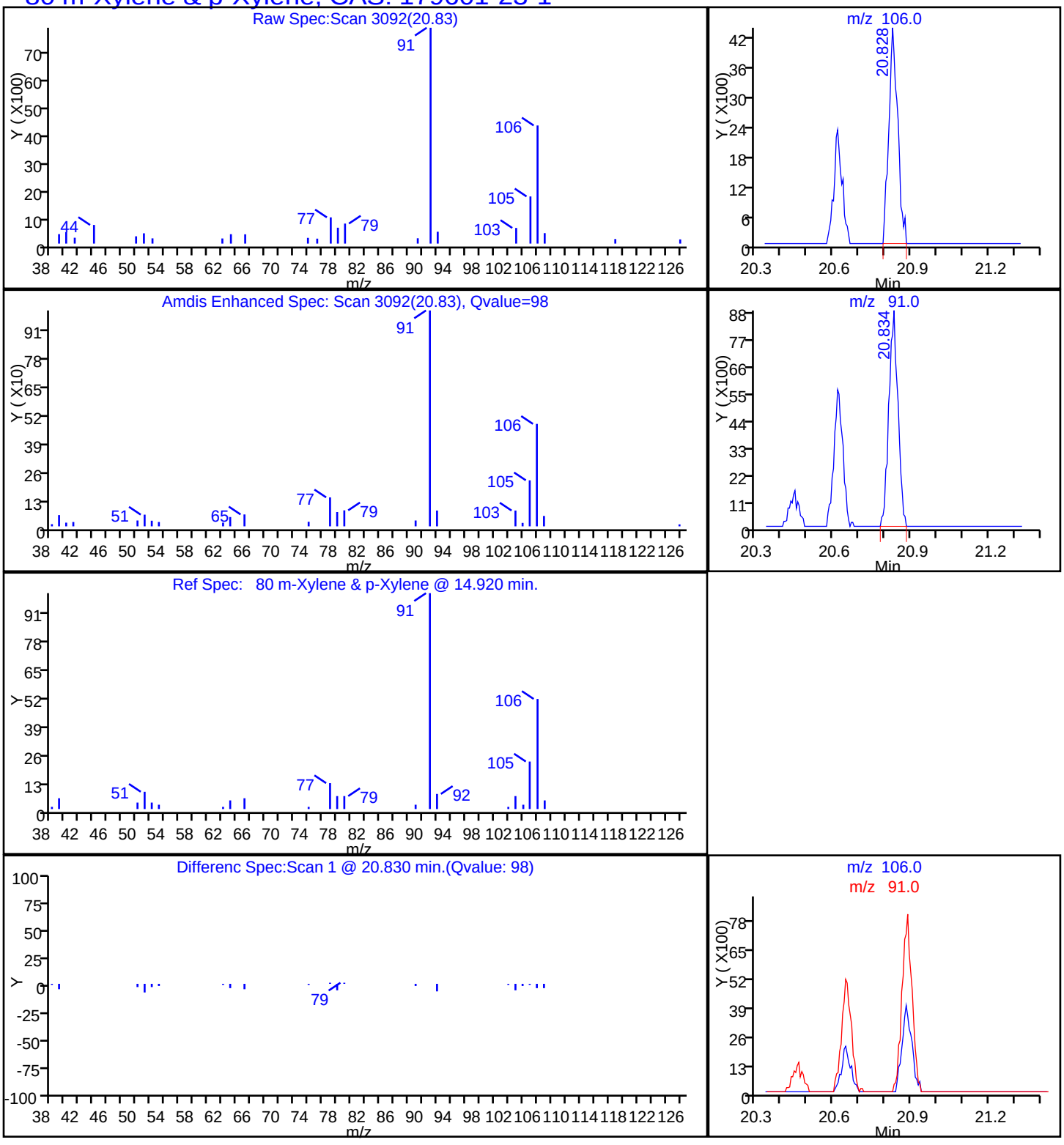
Report Date: 18-Feb-2014 11:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d

Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



Manual Integration/User Assign Peak Report

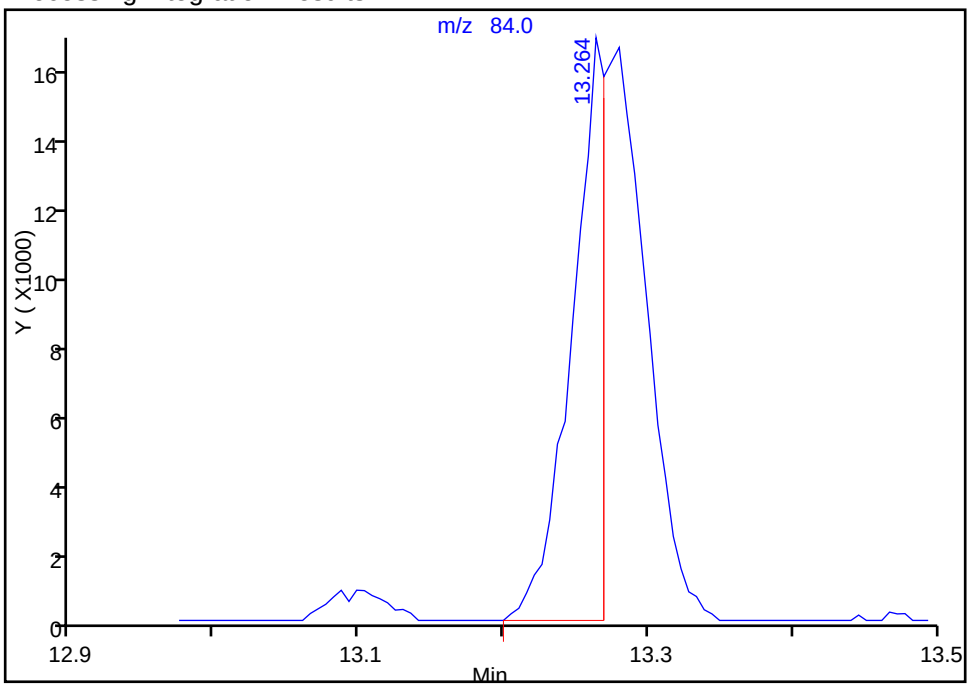
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d				
Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

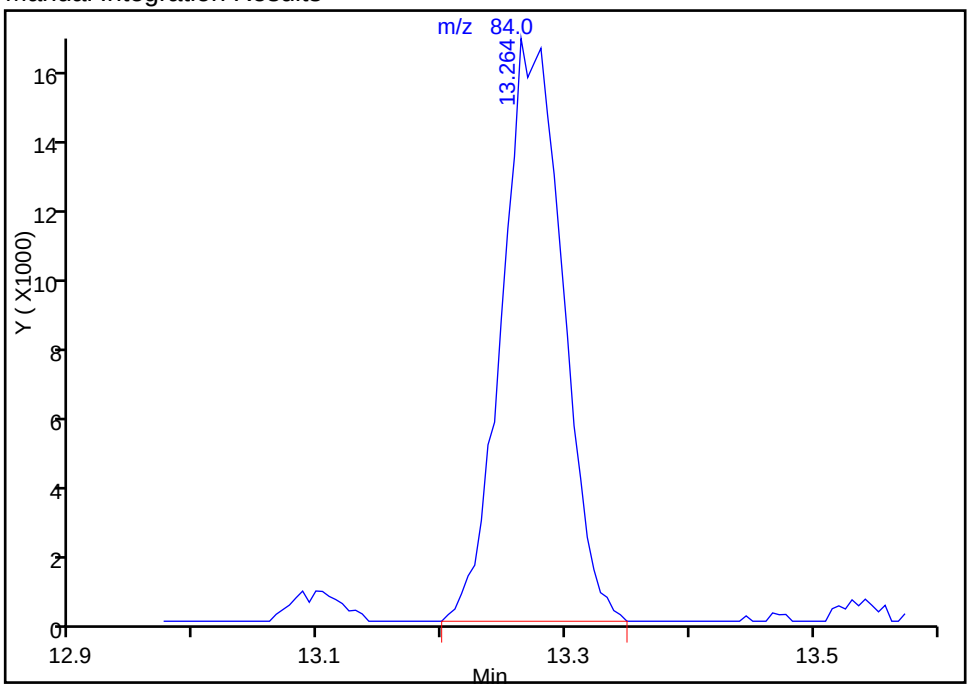
Processing Integration Results

RT: 13.26
Response: 26948
Amount: 0.392260



Manual Integration Results

RT: 13.26
Response: 57351
Amount: 0.834811



Reviewer: lyonsb, 18-Feb-2014 10:45:40
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

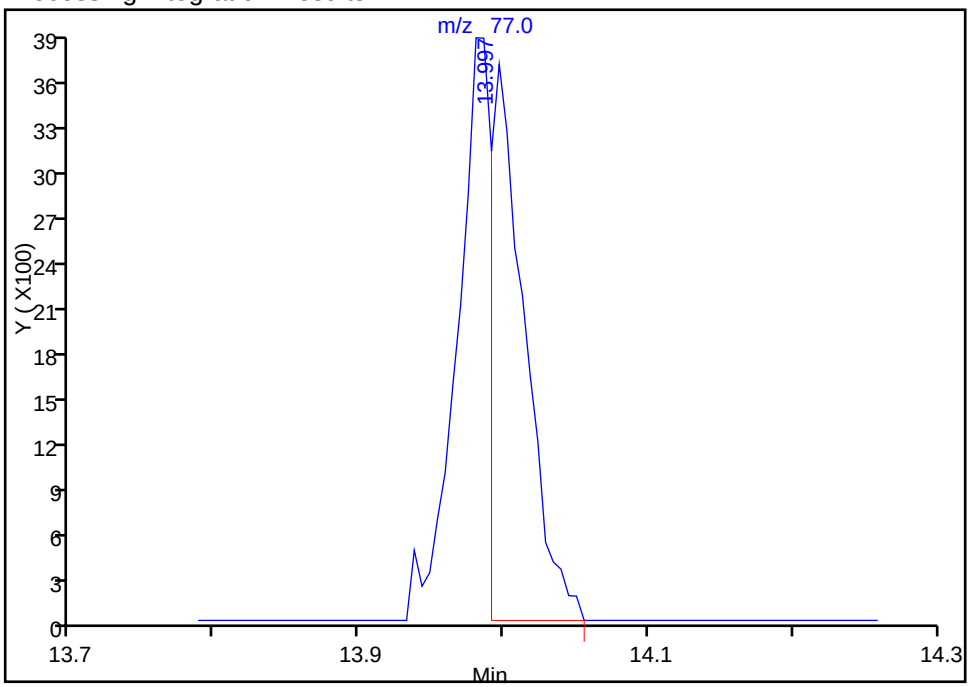
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d				
Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2

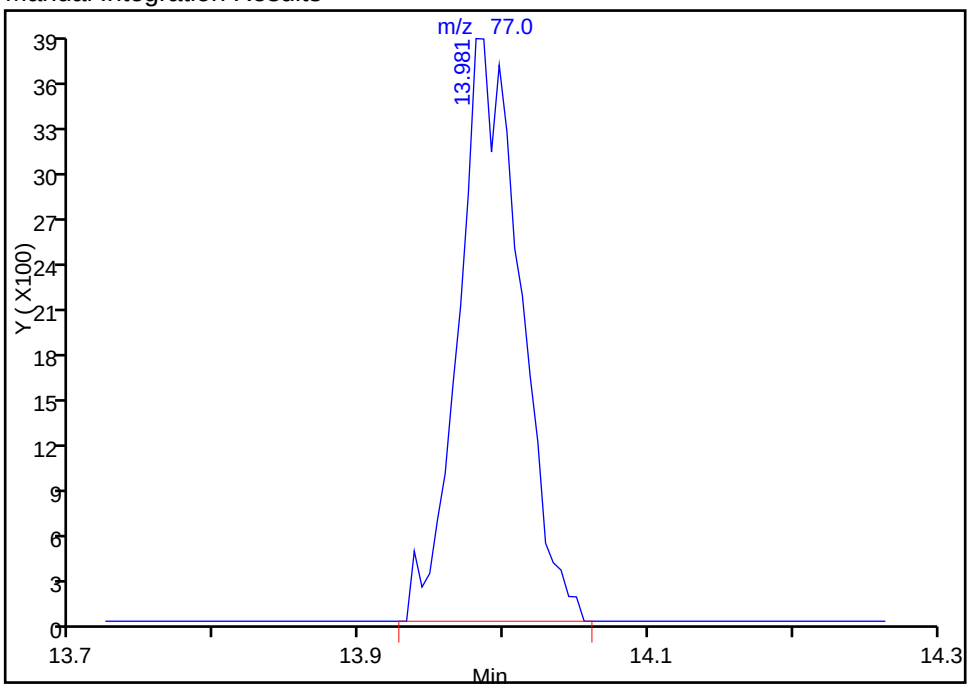
Processing Integration Results

RT: 14.00
Response: 6074
Amount: 0.270379



Manual Integration Results

RT: 13.98
Response: 11451
Amount: 0.270379



Reviewer: lyonsb, 18-Feb-2014 10:45:40
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

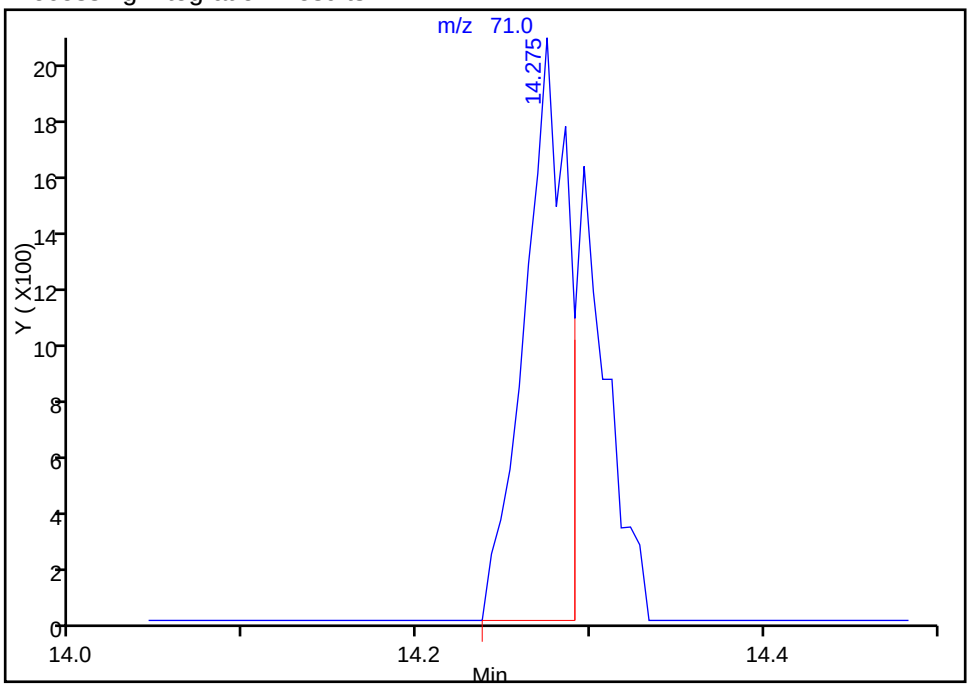
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d				
Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

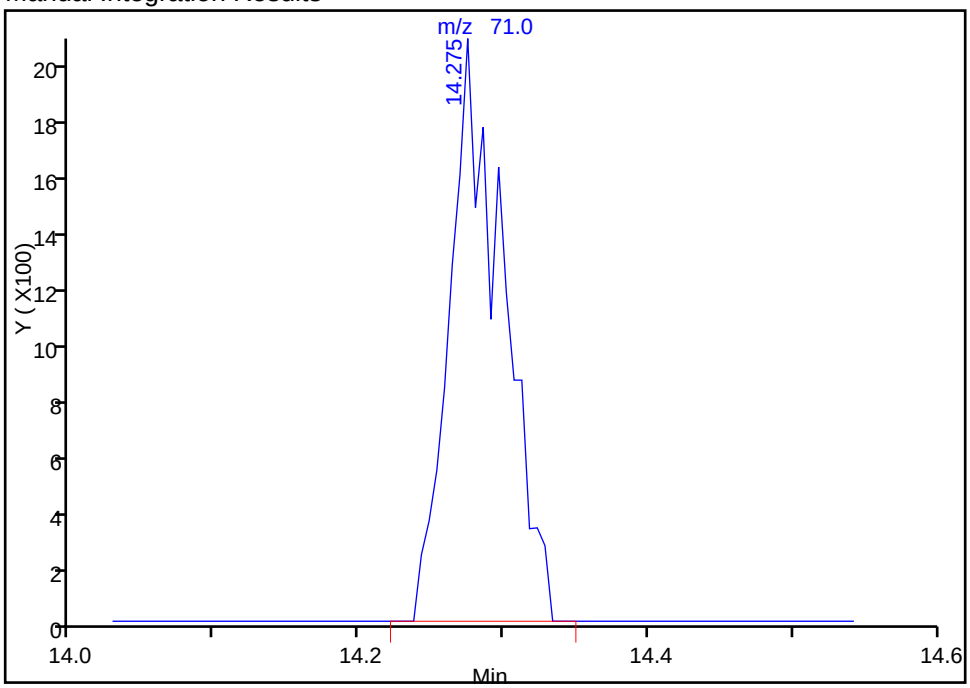
Processing Integration Results

RT: 14.27
Response: 3571
Amount: 0.115802



Manual Integration Results

RT: 14.27
Response: 5302
Amount: 0.118498



Reviewer: lyonsb, 18-Feb-2014 10:45:40
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

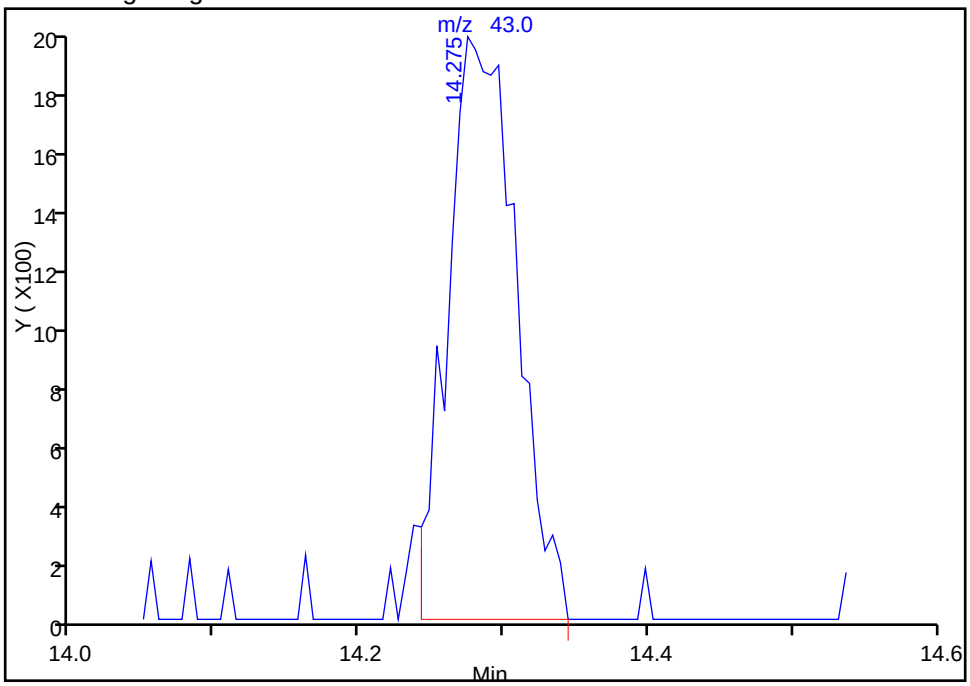
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d				
Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

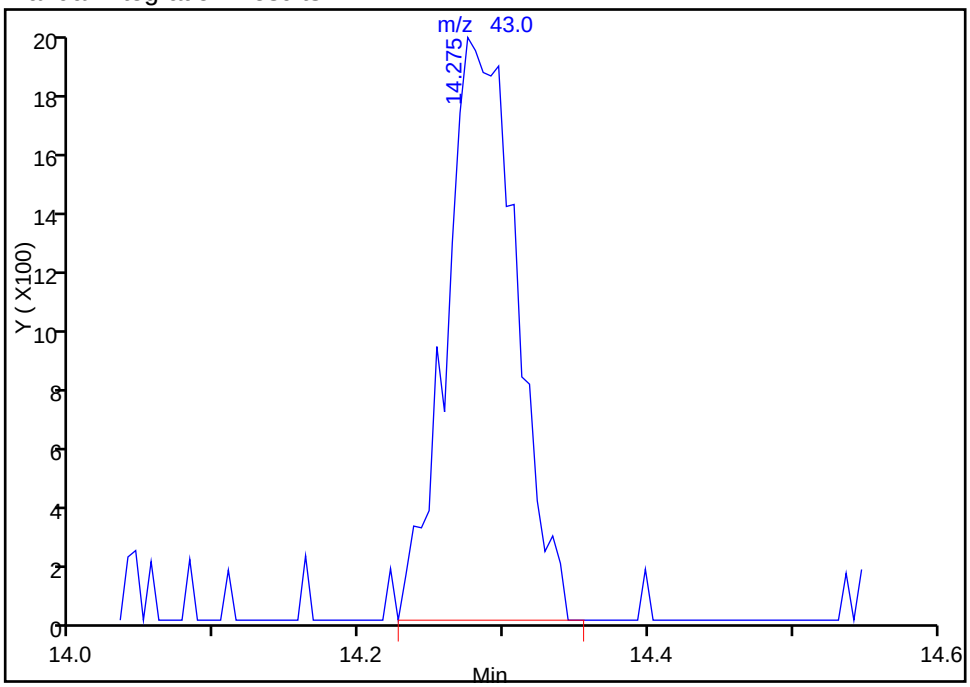
Processing Integration Results

RT: 14.27
Response: 6616
Amount: 0.115802



Manual Integration Results

RT: 14.27
Response: 6770
Amount: 0.118498



Reviewer: lyonsb, 18-Feb-2014 10:45:40
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

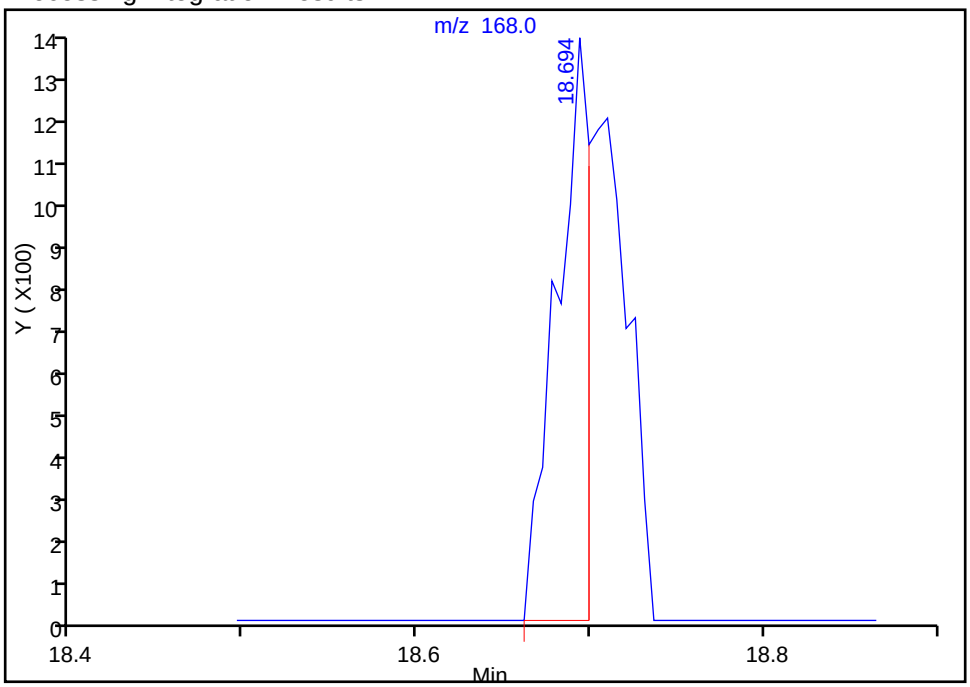
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d				
Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

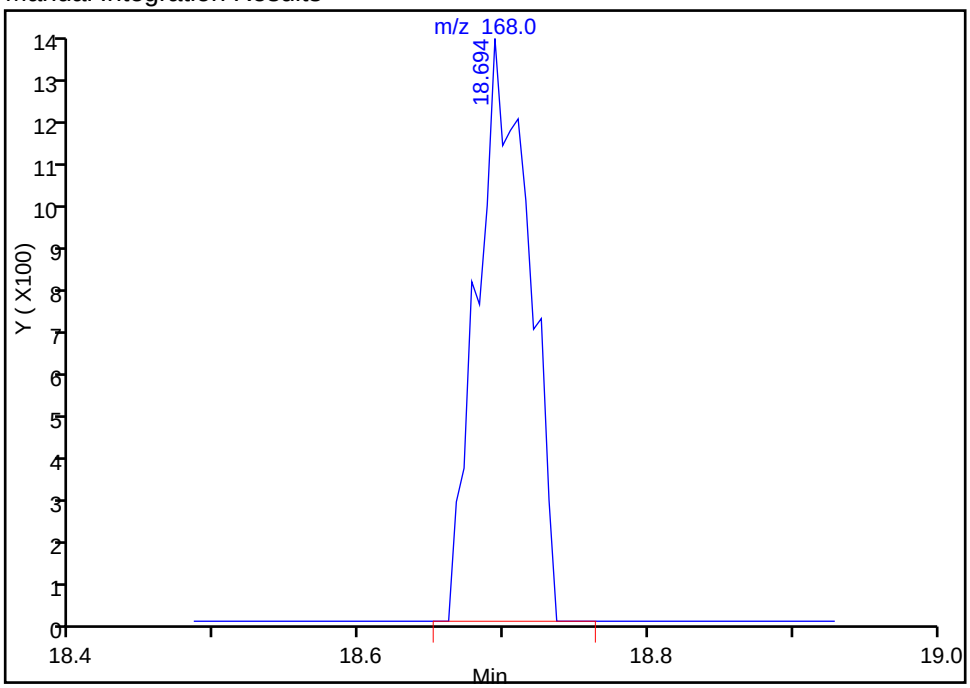
Processing Integration Results

RT: 18.69
Response: 1738
Amount: 0.047275



Manual Integration Results

RT: 18.69
Response: 3278
Amount: 0.047275



Reviewer: lyonsb, 18-Feb-2014 10:45:40
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

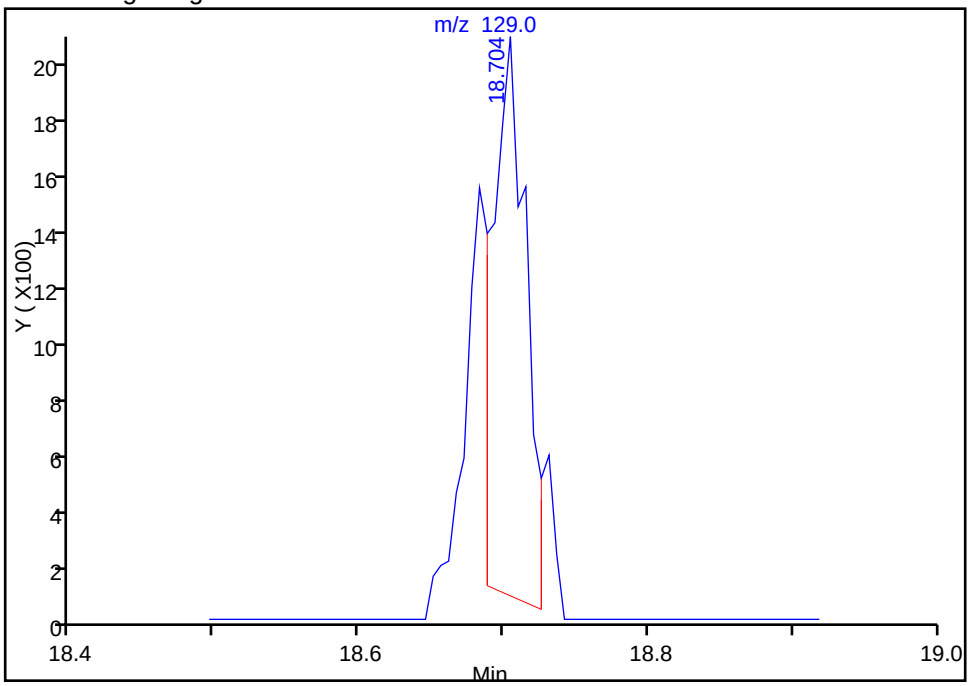
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_019.d				
Injection Date:	18-Feb-2014 02:23:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-9	Lab Sample ID:	200-20955-9		
Client ID:	IA-VMP-3B				
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

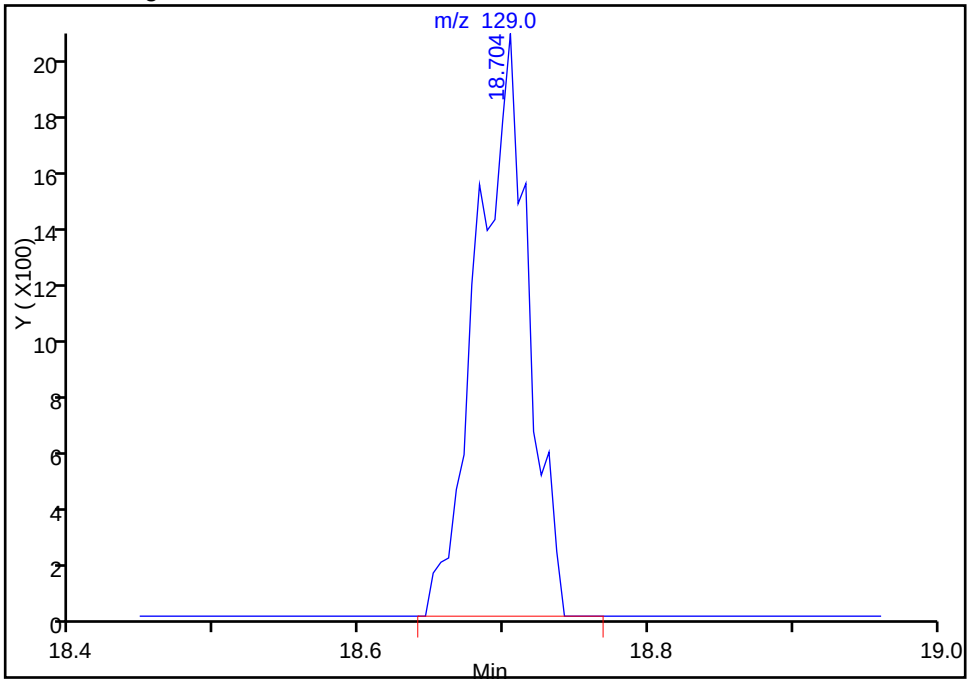
Processing Integration Results

RT: 18.70
Response: 3214
Amount: 0.047275



Manual Integration Results

RT: 18.70
Response: 5024
Amount: 0.047275



Reviewer: lyonsb, 18-Feb-2014 10:45:40
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3D Lab Sample ID: 200-20955-11

Matrix: Air Lab File ID: 6171_020.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:32

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 03:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.48	J	0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.98		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.26		0.20	0.030
76-13-1	Freon 113	187.38	0.081	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	3.6	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	31		5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	6.8		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.14	J	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.87		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.072		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.31		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3D Lab Sample ID: 200-20955-11

Matrix: Air Lab File ID: 6171_020.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:32

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 03:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.30	J	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.46		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.057	J	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.056	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.13	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.044	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.17	J	0.20	0.034
100-42-5	Styrene	104.15	0.066	J	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.041	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3D Lab Sample ID: 200-20955-11

Matrix: Air Lab File ID: 6171_020.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:32

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 03:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3D Lab Sample ID: 200-20955-11

Matrix: Air Lab File ID: 6171_020.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:32

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 03:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.4	J	2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	2.3		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.5		1.1	0.17
76-13-1	Freon 113	187.38	0.62	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	8.4	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	76		12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	24		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.48	J	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	3.0		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.45		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.98		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3D Lab Sample ID: 200-20955-11

Matrix: Air Lab File ID: 6171_020.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:32

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 03:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	1.2	J	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	1.7		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	0.39	J	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.24	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.56	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.19	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.76	J	0.87	0.15
100-42-5	Styrene	104.15	0.28	J	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3D Lab Sample ID: 200-20955-11

Matrix: Air Lab File ID: 6171_020.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:32

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 03:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d
Lims ID: 200-20955-A-11 Lab Sample ID: 200-20955-11
Client ID: IA-VMP-3D
Sample Type: Client
Inject. Date: 18-Feb-2014 03:13:30 ALS Bottle#: 2 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006171-020
Misc. Info.: 200-20955-A-11
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Feb-2014 11:48:31 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK028

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85	4.496	4.474	0.022	87	80809	0.4787	
	6 Chlorodifluoromethane	51		4.538					
	7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.827					
	8 Chloromethane	50		5.020					
	9 Butane	43	5.314	5.287	0.027	95	46306	0.9834	
	10 Vinyl chloride	62		5.341					
	11 Butadiene	54		5.442					
	12 Bromomethane	94		6.309					
	14 Chloroethane	64		6.593					
	16 Vinyl bromide	106		7.074					
	17 Trichlorofluoromethane	101	7.219	7.192	0.027	91	49087	0.2594	
	23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.486	8.438	0.048	83	9602	0.0811	M
	24 1,1-Dichloroethene	96		8.513					
	25 Acetone	43	8.797	8.749	0.049	87	190525	3.55	
	26 Carbon disulfide	76		9.000					
	27 Isopropyl alcohol	45	9.144	9.027	0.117	97	1396106	31.1	
	29 3-Chloro-1-propene	41		9.407					
	31 Methylene Chloride	49	9.760	9.733	0.027	79	253011	6.78	
	32 2-Methyl-2-propanol	59		9.904					
	33 Methyl tert-butyl ether	73		10.155					
S	41 1,2-Dichloroethene, Total	61		10.200					
	34 trans-1,2-Dichloroethene	61		10.230					
	36 Hexane	57	10.680	10.648	0.032	70	7069	0.1368	M
	37 1,1-Dichloroethane	63		11.199					
	39 cis-1,2-Dichloroethene	96		12.376					
	40 2-Butanone (MEK)	72		12.392					
	44 Tetrahydrofuran	42		12.852					
*	43 Chlorobromomethane	128	12.873	12.852	0.021	69	369118	10.0	
	45 Chloroform	83		12.964					
	46 Cyclohexane	84	13.285	13.258	0.027	88	54380	0.8686	
	47 1,1,1-Trichloroethane	97		13.280					
	48 Carbon tetrachloride	117	13.553	13.531	0.022	92	11746	0.0719	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	51 Isooctane	57		13.927						
	50 Benzene	78	13.997	13.986	0.011	90	45999	0.3078		
	52 1,2-Dichloroethane	62		14.141						
	53 n-Heptane	43		14.275						
*	54 1,4-Difluorobenzene	114	14.756	14.746	0.010	93	1714680	10.0		
	56 Trichloroethene	95		15.206						
	58 1,2-Dichloropropane	63		15.730						
	59 Methyl methacrylate	69	15.826	15.810	0.016	76	14297	0.3030		
	60 1,4-Dioxane	88		15.901						
	62 Dichlorobromomethane	83		16.222						
	64 cis-1,3-Dichloropropene	75		17.083						
	65 4-Methyl-2-pentanone (MIBK)	43		17.319						
	66 Toluene	92	17.672	17.661	0.011	96	52439	0.4618		
	70 trans-1,3-Dichloropropene	75		18.191						
	71 1,1,2-Trichloroethane	83		18.560						
	72 Tetrachloroethene	166	18.710	18.694	0.016	74	8091	0.0573		M
	73 2-Hexanone	43		18.950						
	74 Chlorodibromomethane	129		19.314						
	75 Ethylene Dibromide	107		19.598						
S	82 Xylenes, Total	106				0		0.1733		7
*	76 Chlorobenzene-d5	117	20.448	20.443	0.005	84	1565957	10.0		
	77 Chlorobenzene	112		20.496						
	78 Ethylbenzene	91	20.614	20.614	0.0	68	14845	0.0559		
	80 m-Xylene & p-Xylene	106	20.828	20.833	-0.005	98	13829	0.1292		M
	83 o-Xylene	106	21.545	21.545	0.0	48	4450	0.0441		M
	84 Styrene	104	21.583	21.582	0.0	83	9889	0.0660		
	85 Bromoform	173		21.962						
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1075767	NC		
	88 1,1,2,2-Tetrachloroethane	83		22.668						
	90 N-Propylbenzene	91		22.743						
	91 4-Ethyltoluene	105		22.909						
	92 2-Chlorotoluene	91		22.941						
	94 1,3,5-Trimethylbenzene	105		23.000						
	96 tert-Butylbenzene	119		23.476						
	97 1,2,4-Trimethylbenzene	105	23.573	23.573	0.0	77	12513	0.0410		
	98 sec-Butylbenzene	105		23.808						
	99 4-Isopropyltoluene	119		24.011						
	100 1,3-Dichlorobenzene	146		24.081						
	101 1,4-Dichlorobenzene	146		24.225						
	102 Benzyl chloride	91		24.434						
	103 n-Butylbenzene	91		24.653						
	105 1,2-Dichlorobenzene	146		24.830						
	107 1,2,4-Trichlorobenzene	180		27.724						
	108 Hexachlorobutadiene	225		27.927						
	109 Naphthalene	128		28.312						

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

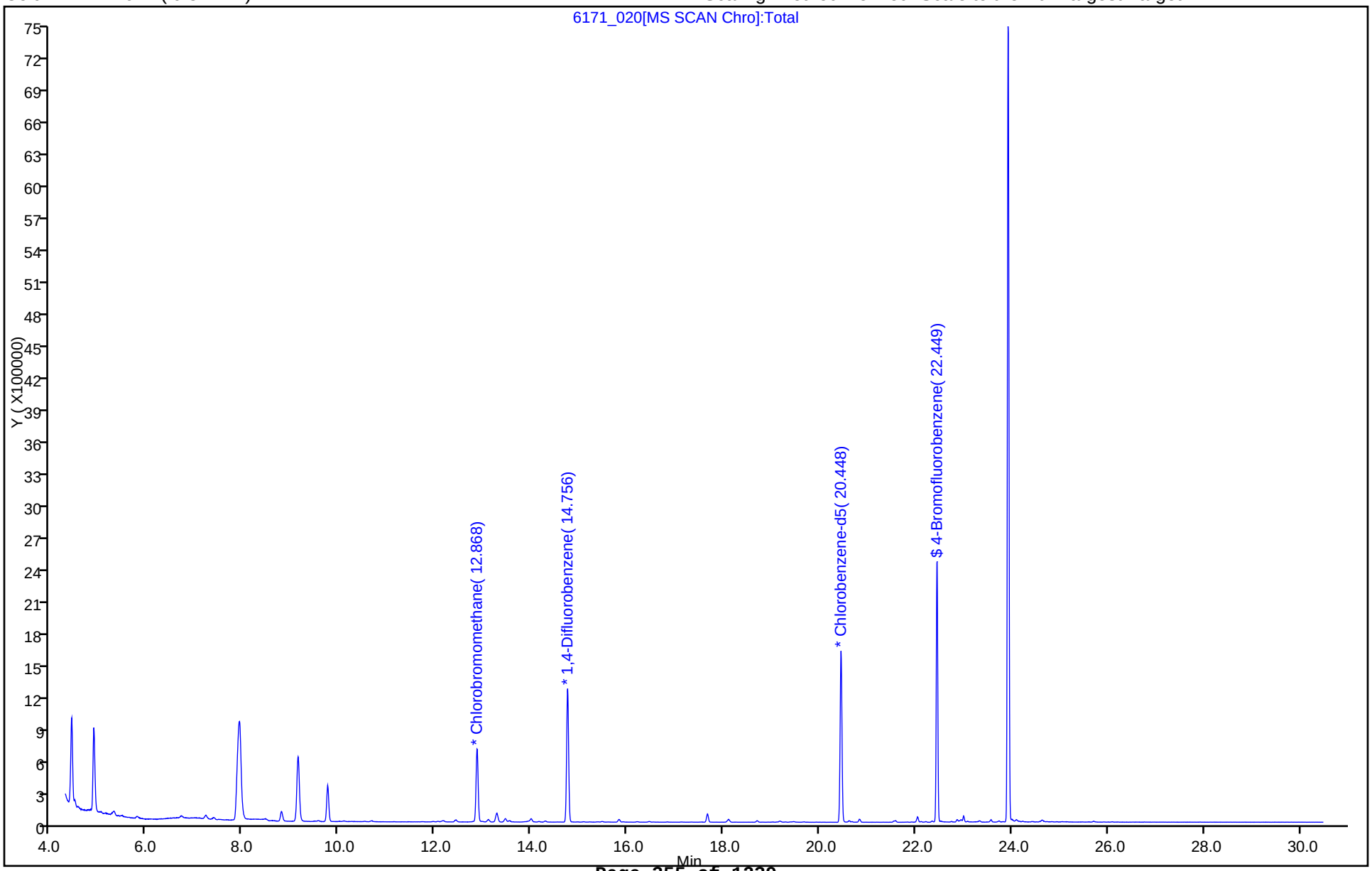
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11	Worklist Smp#:	20
Client ID:	IA-VMP-3D				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



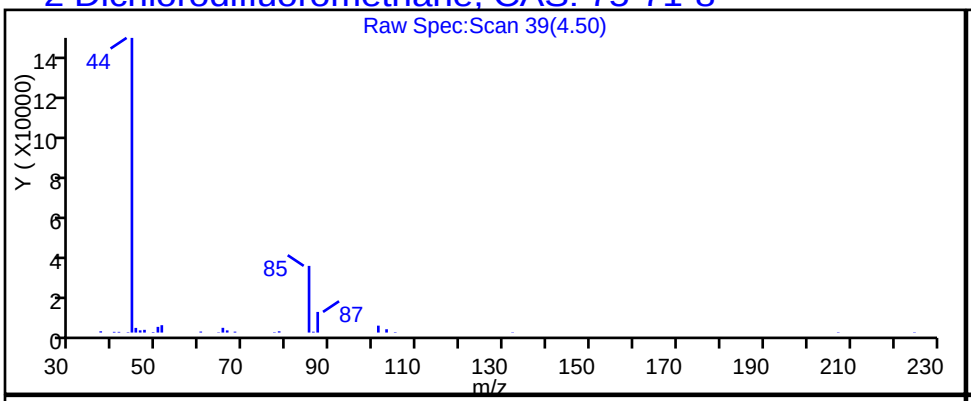
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

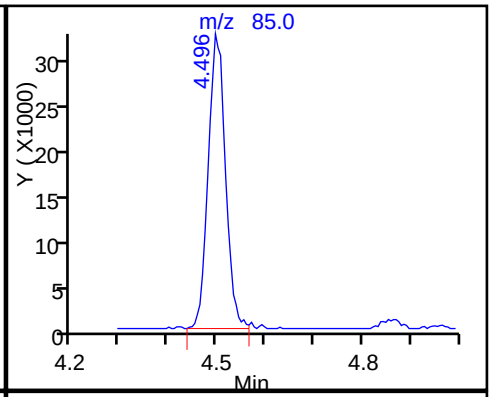
TestAmerica Burlington

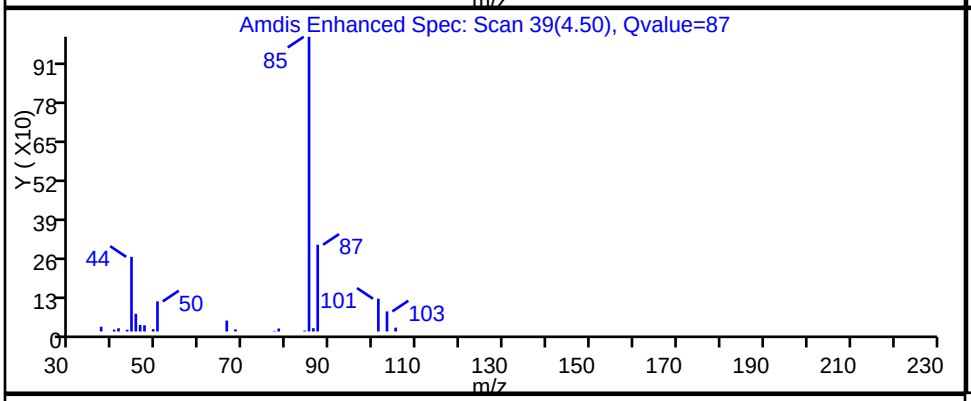
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

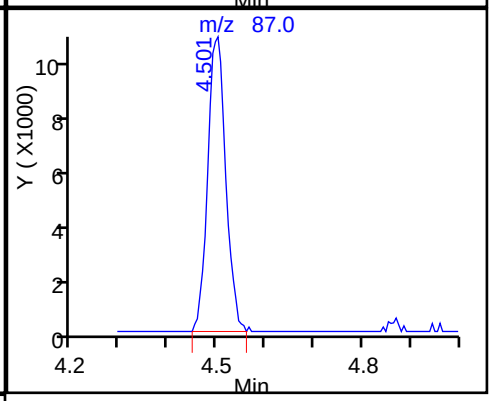
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

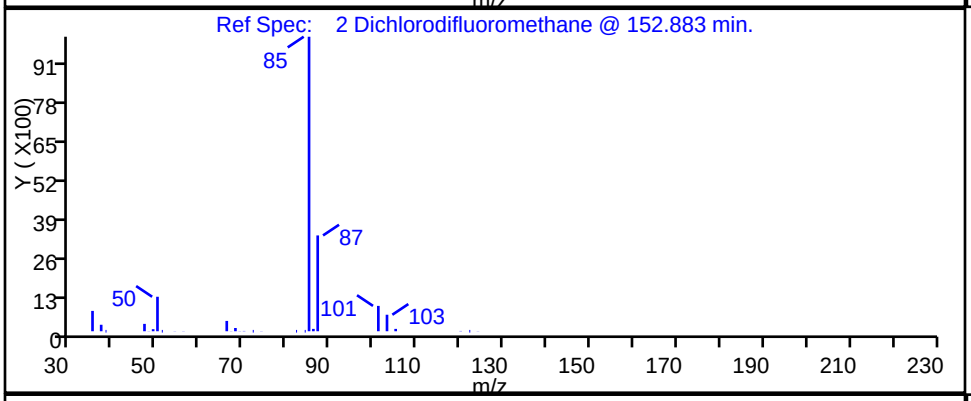
2 Dichlorodifluoromethane, CAS: 75-71-8

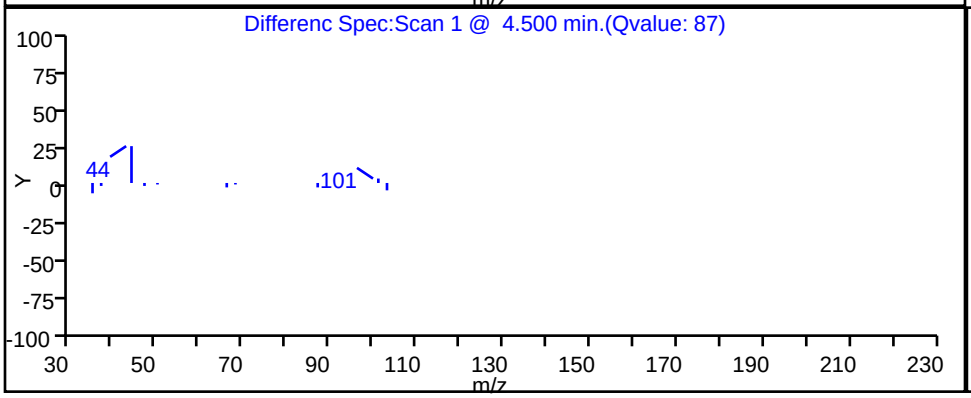


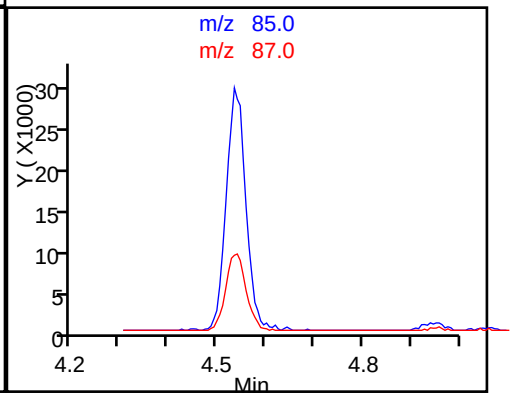












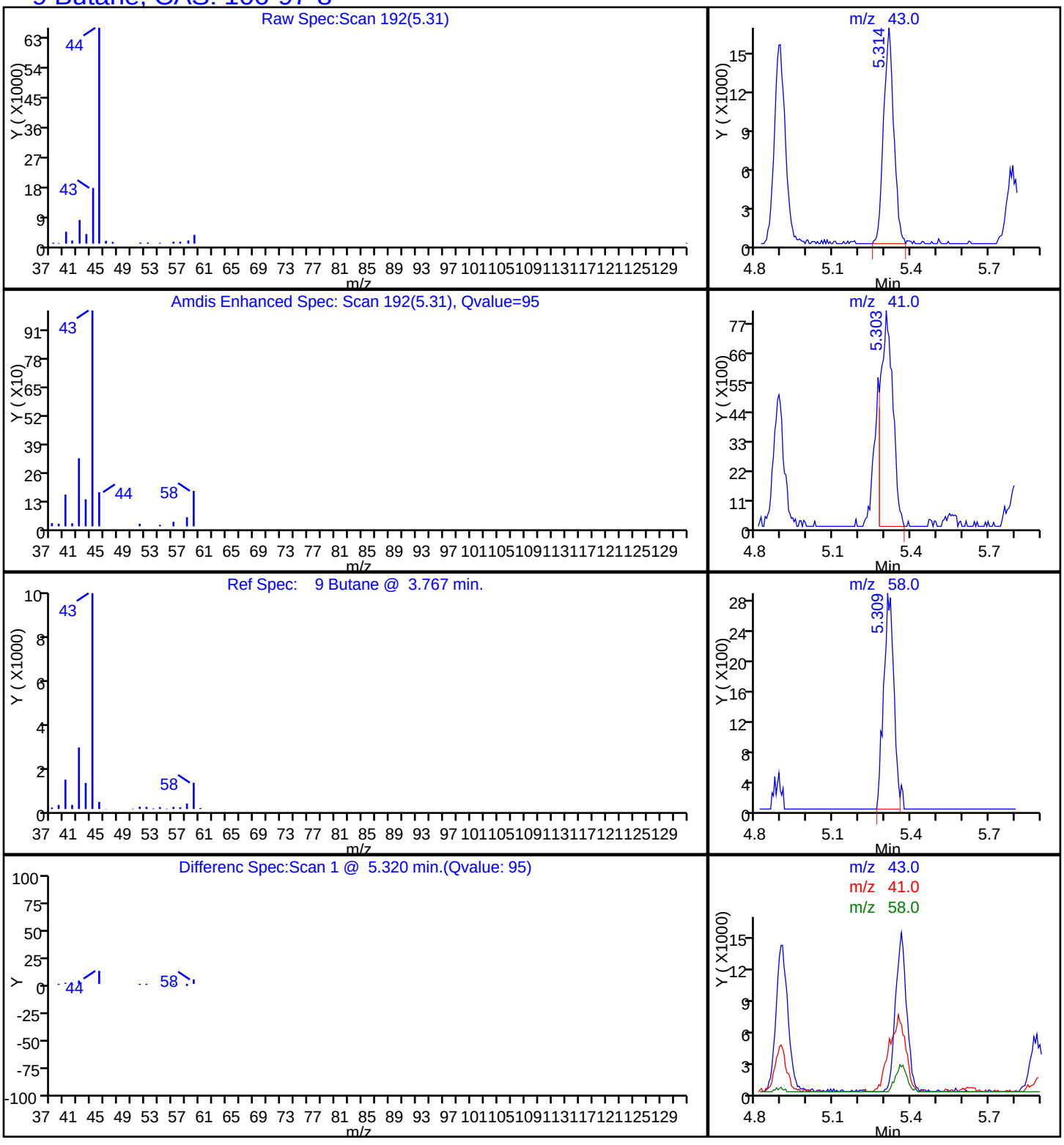
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



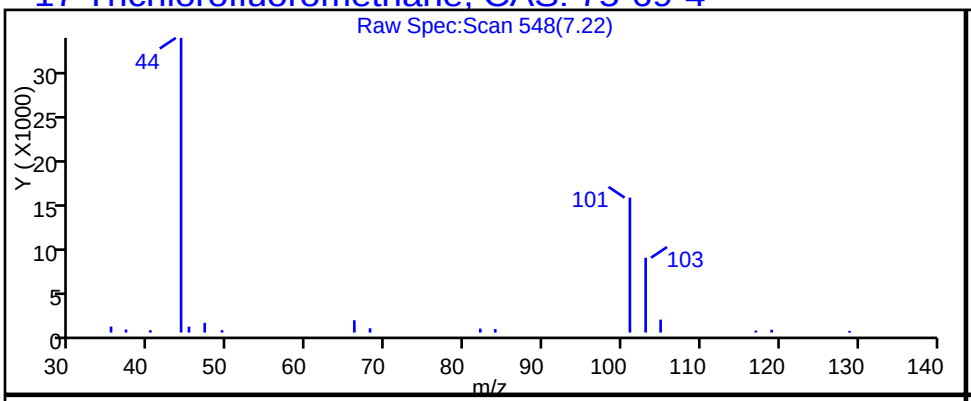
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

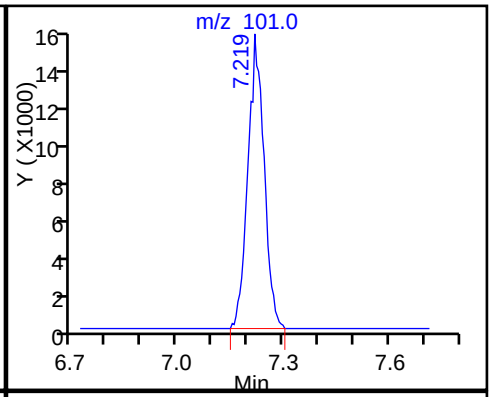
TestAmerica Burlington

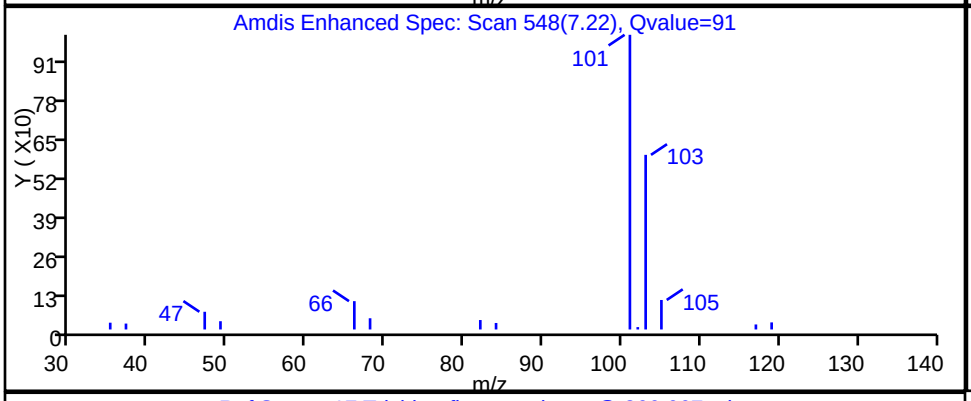
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

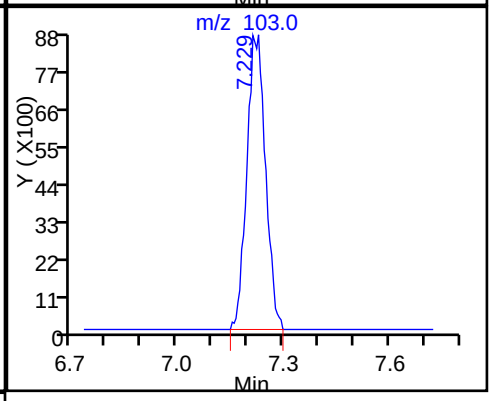
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

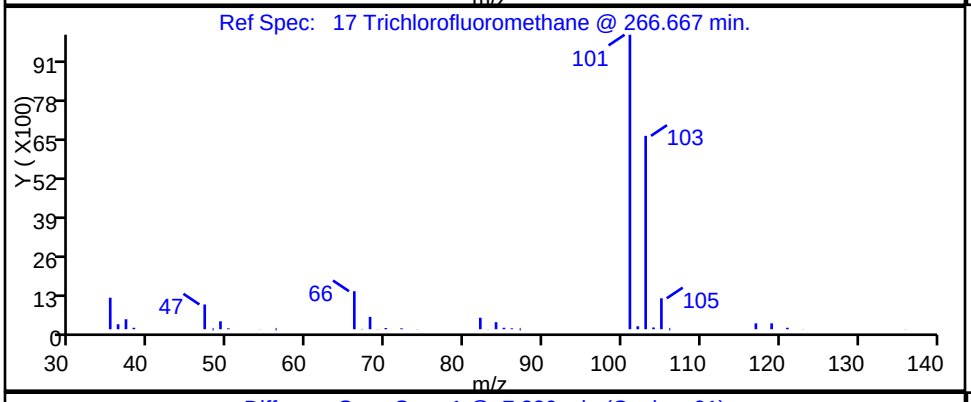
17 Trichlorofluoromethane, CAS: 75-69-4

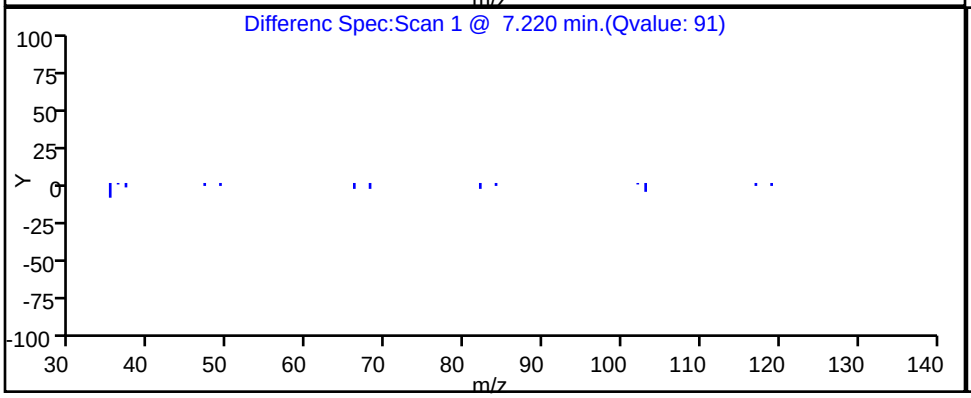


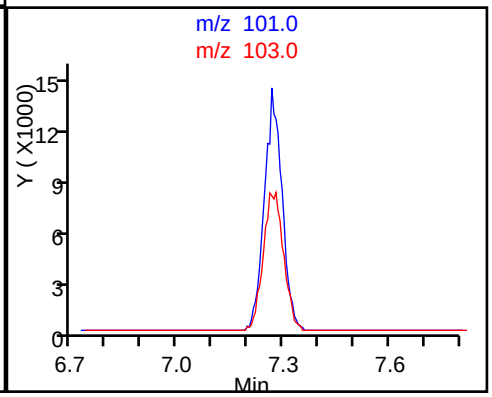












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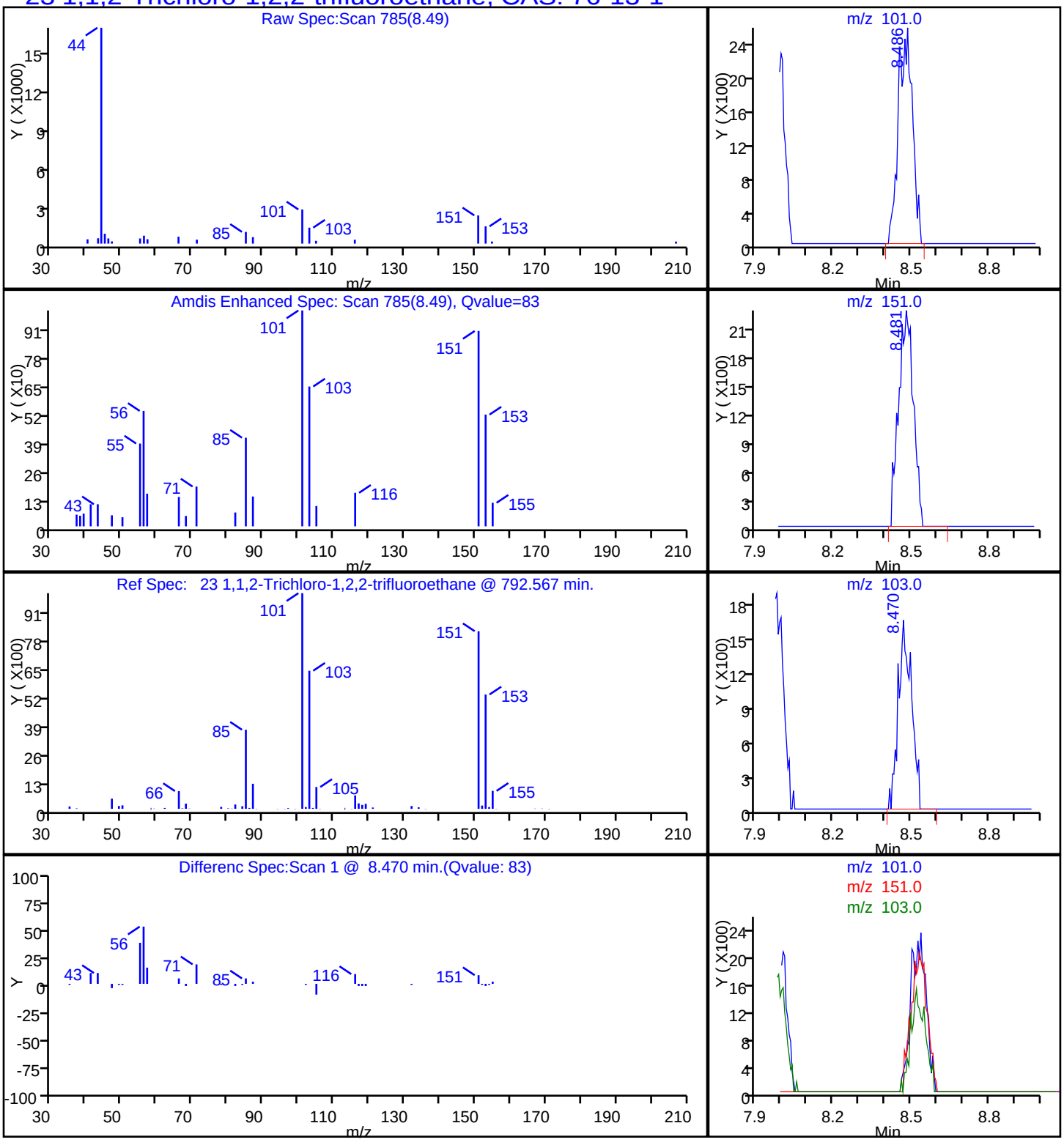
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



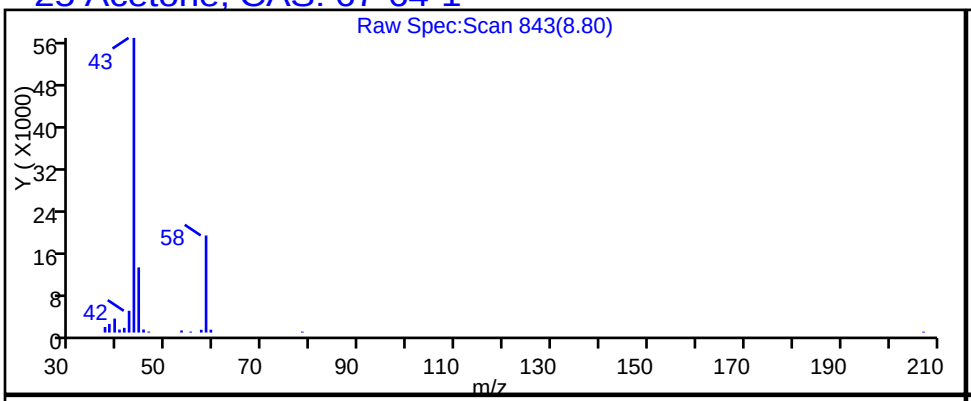
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

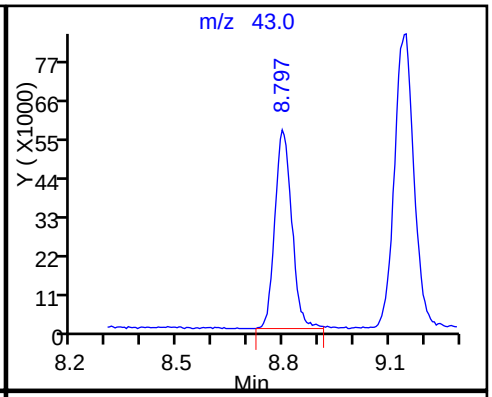
TestAmerica Burlington

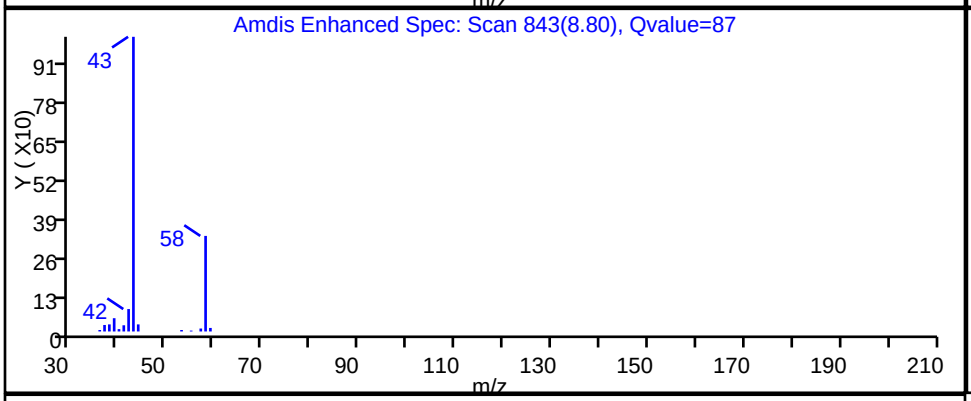
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

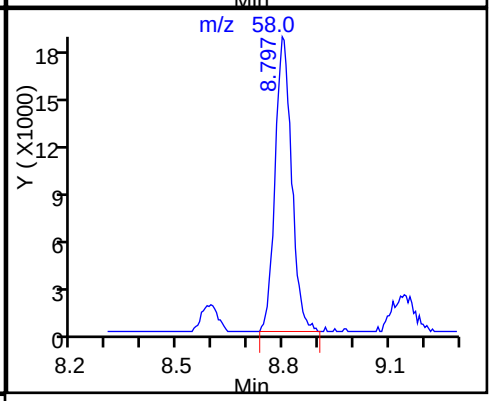
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11
Client ID:	IA-VMP-3D		
Operator ID:	bl	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

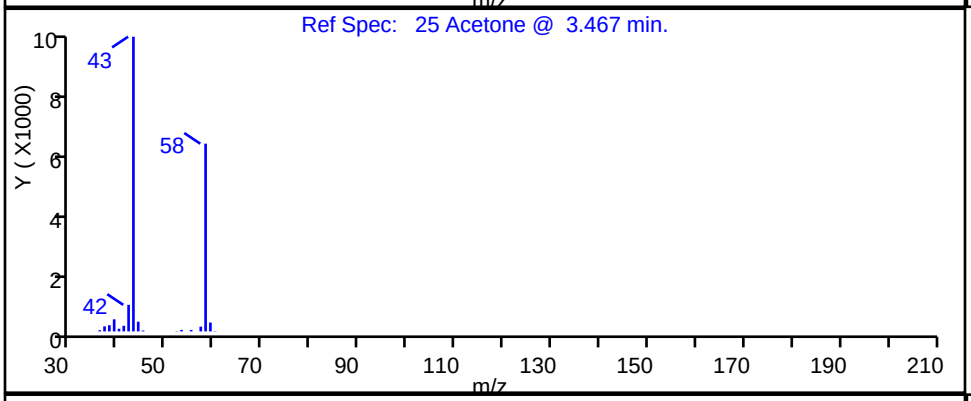
25 Acetone, CAS: 67-64-1

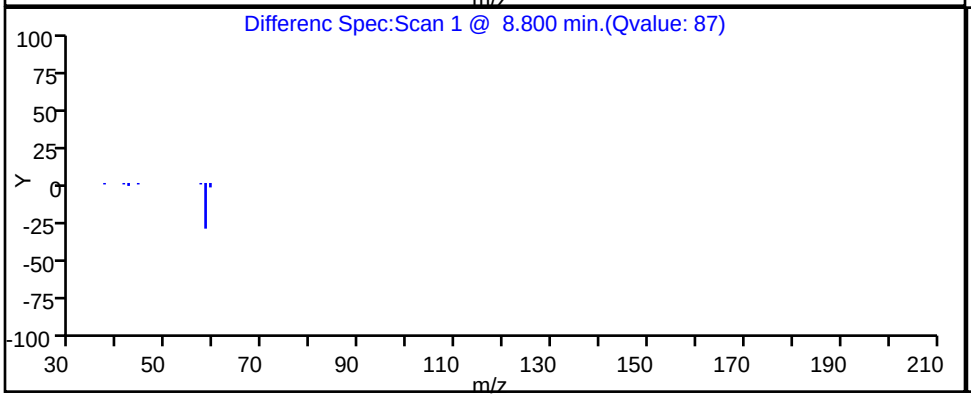


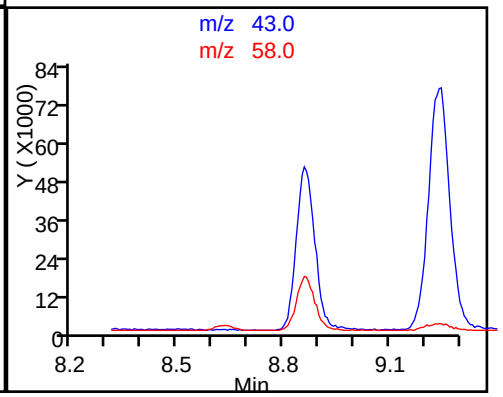












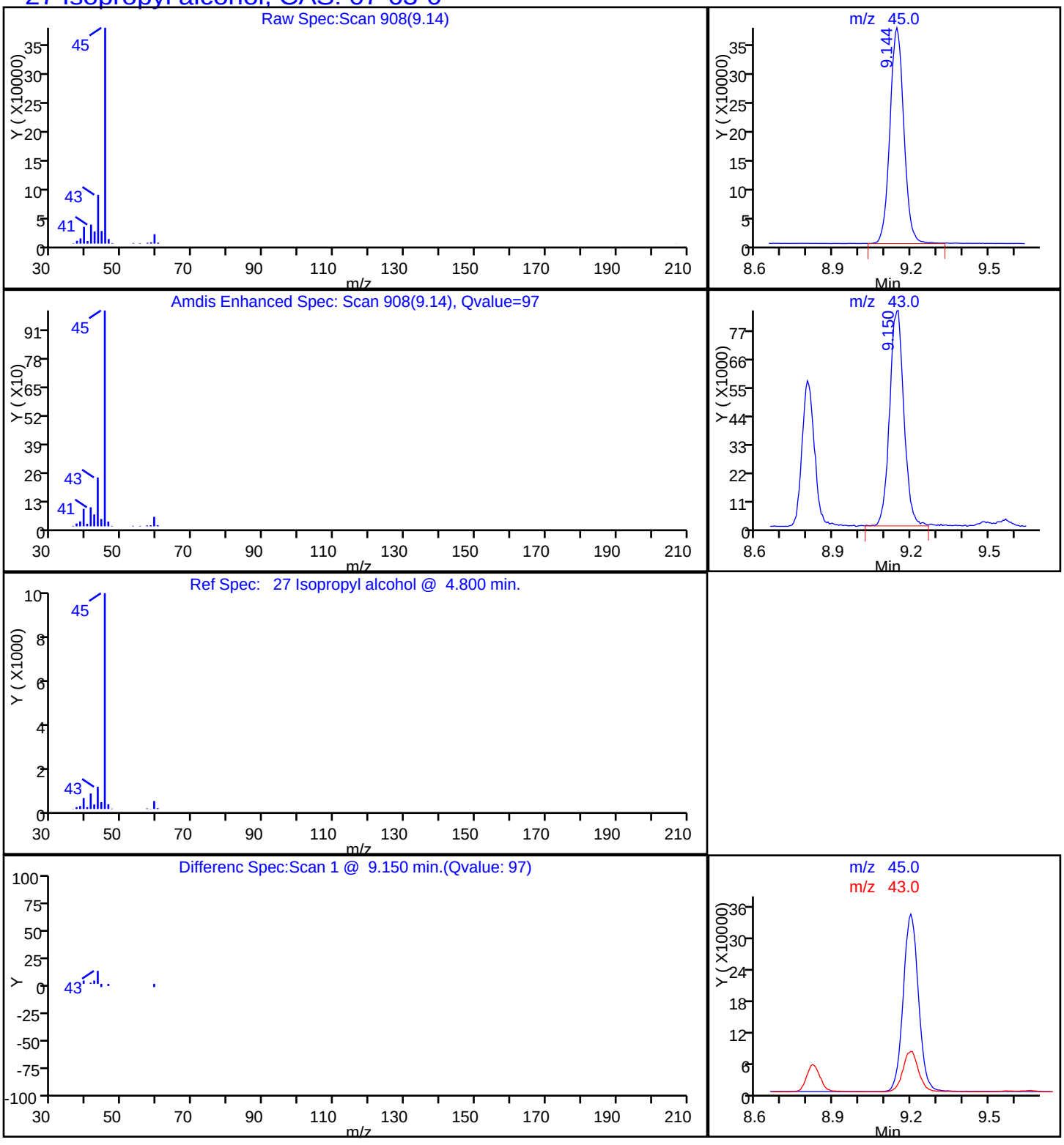
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



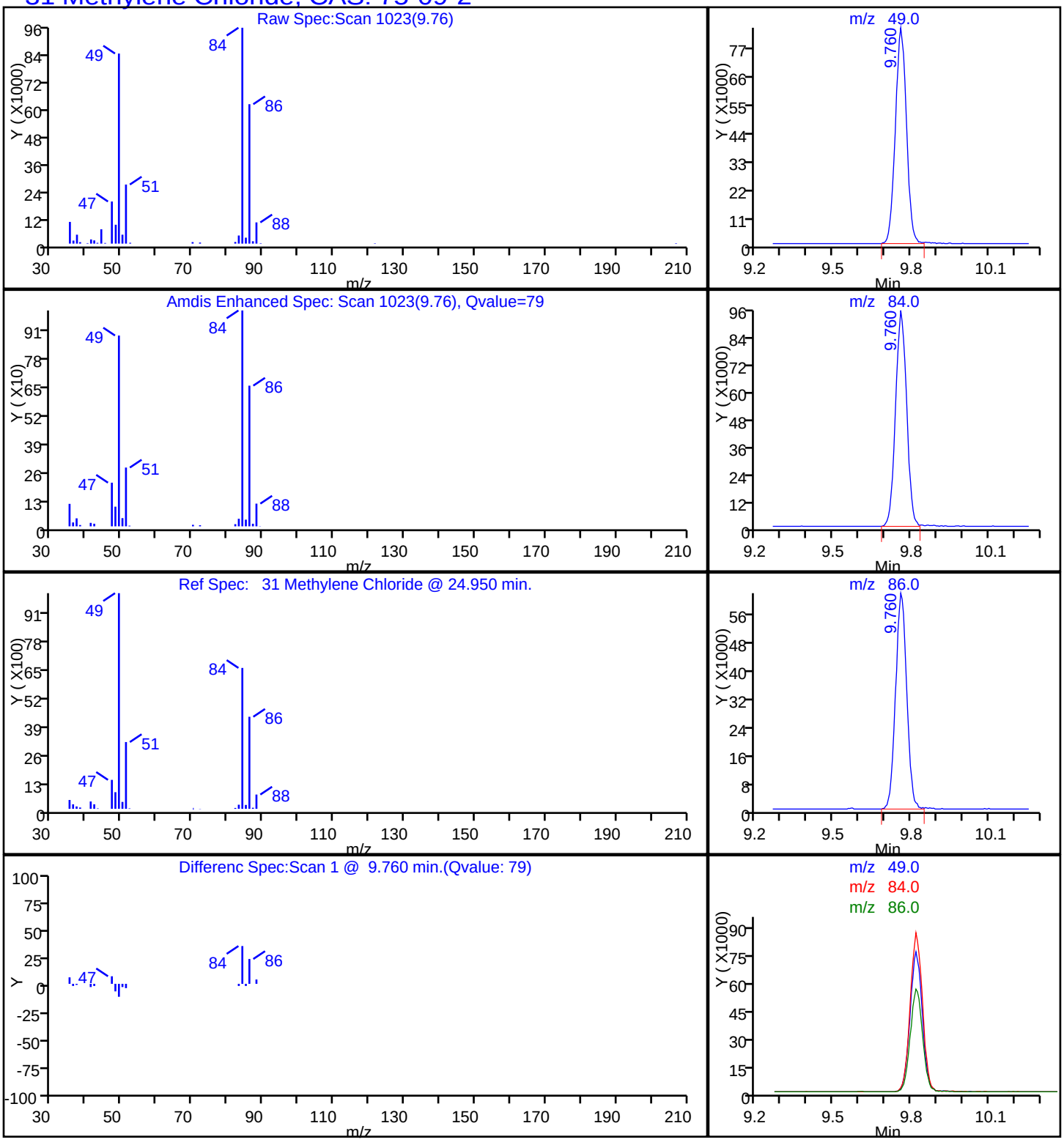
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11
Client ID:	IA-VMP-3D		
Operator ID:	bl	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

31 Methylene Chloride, CAS: 75-09-2



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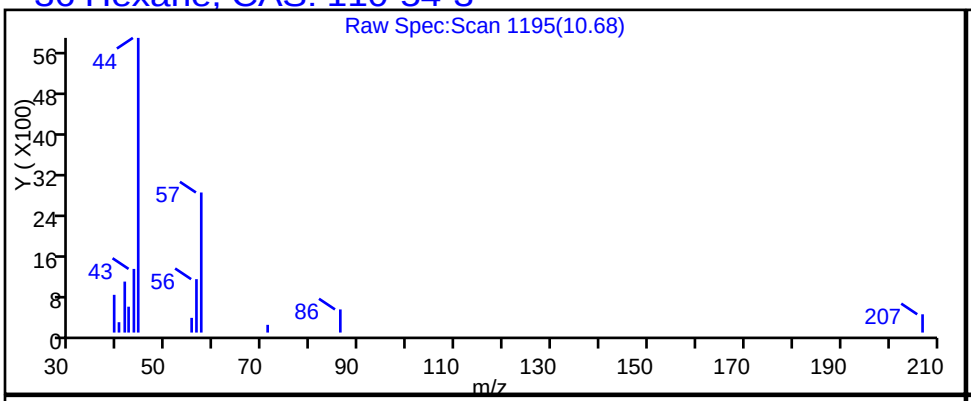
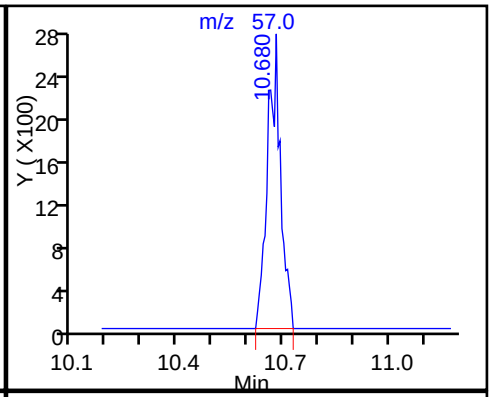
TestAmerica Burlington

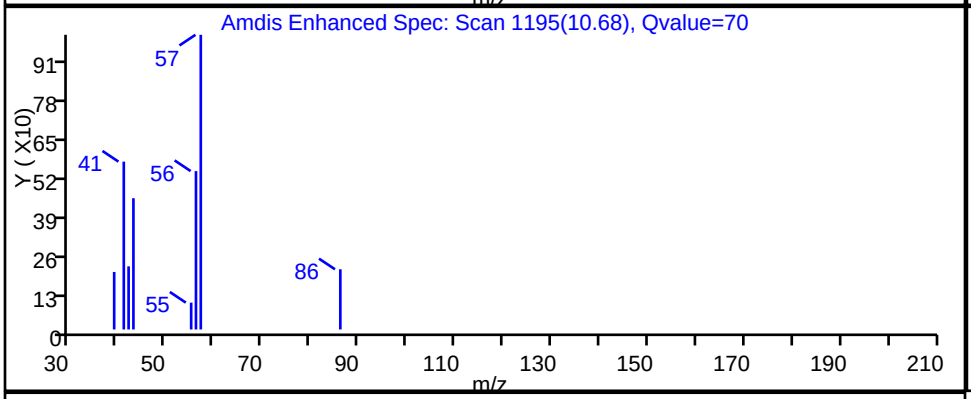
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

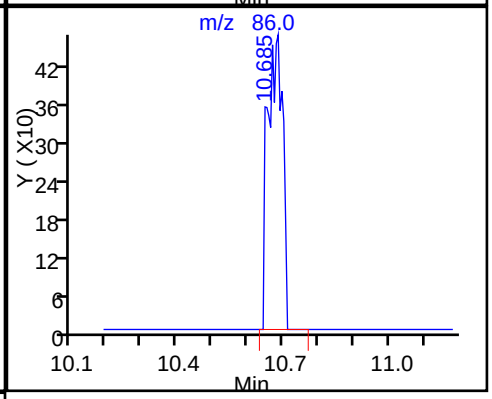
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11
Client ID:	IA-VMP-3D		
Operator ID:	bl	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

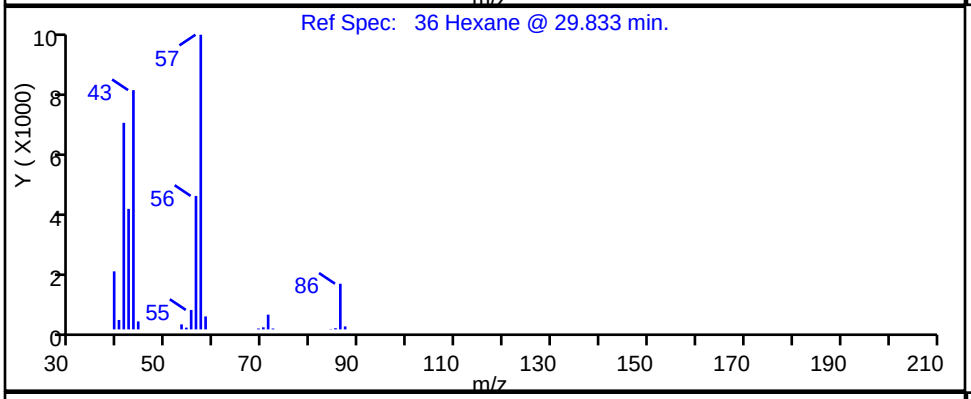
36 Hexane, CAS: 110-54-3

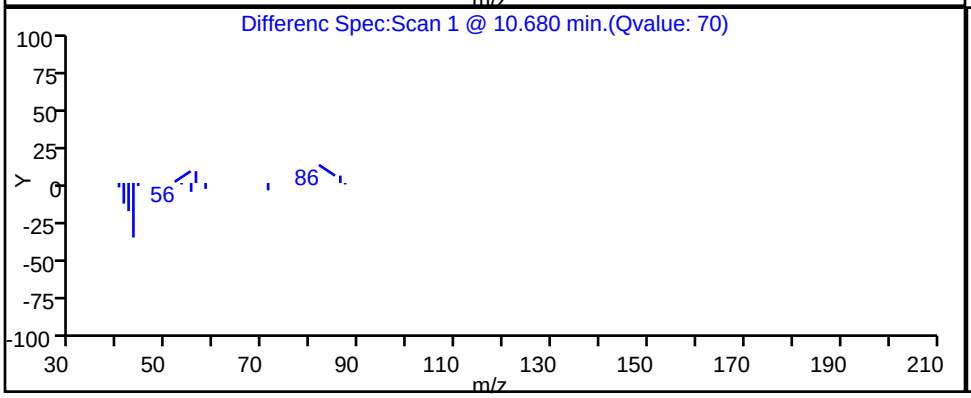


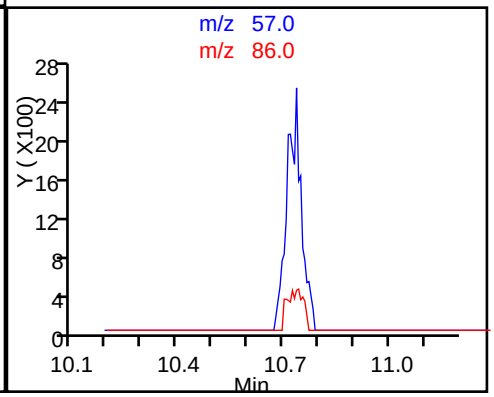












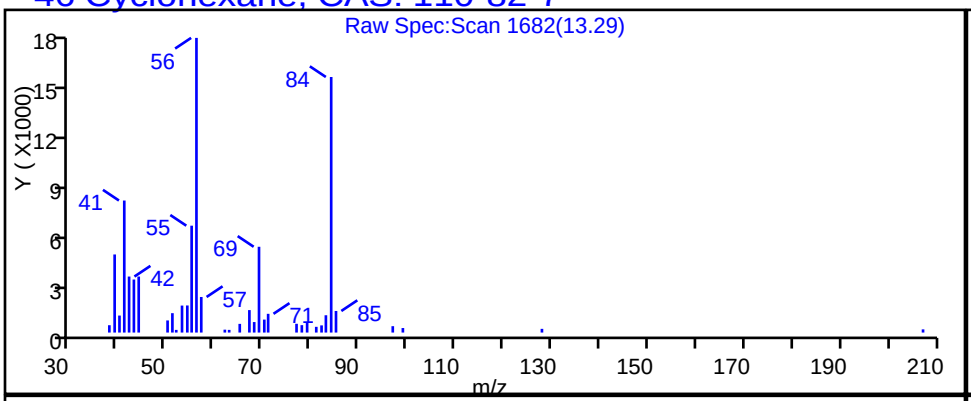
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

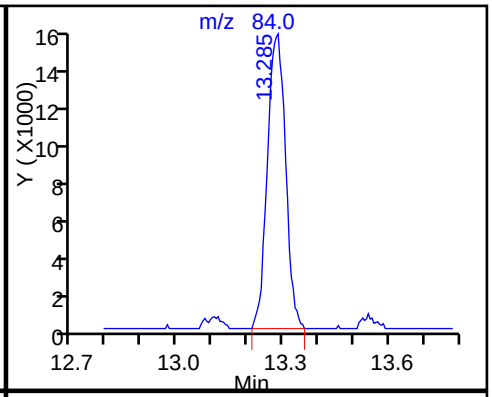
TestAmerica Burlington

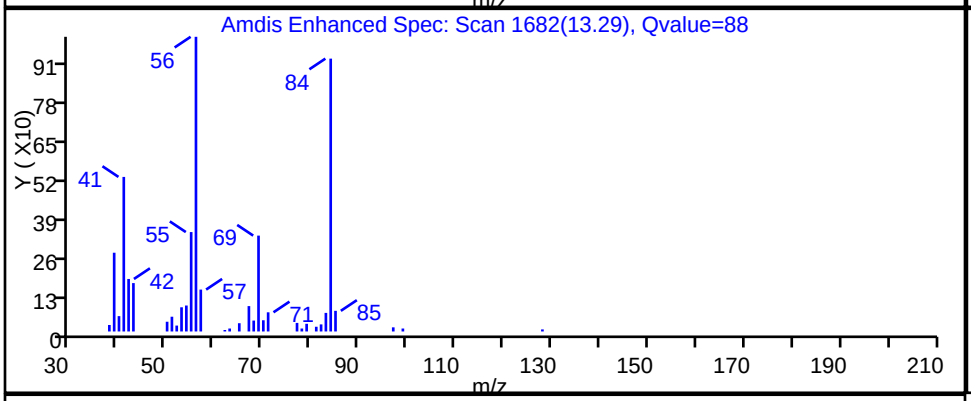
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

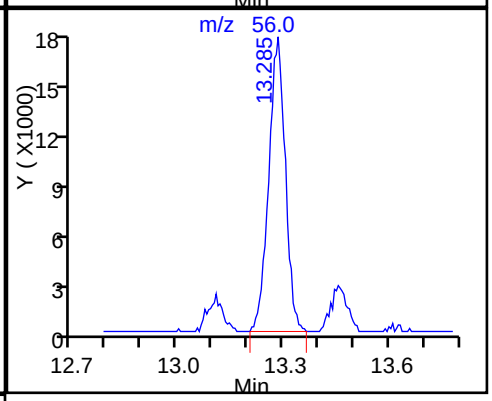
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

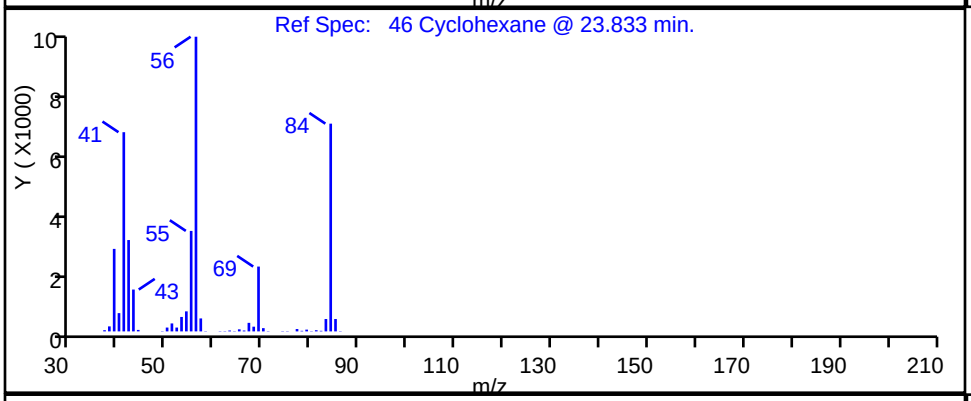
46 Cyclohexane, CAS: 110-82-7

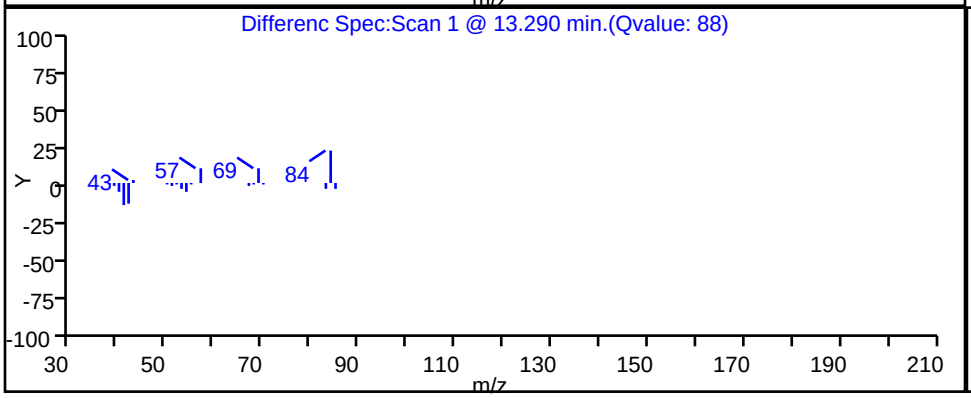


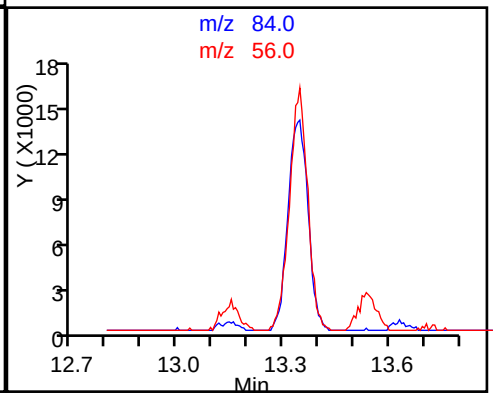












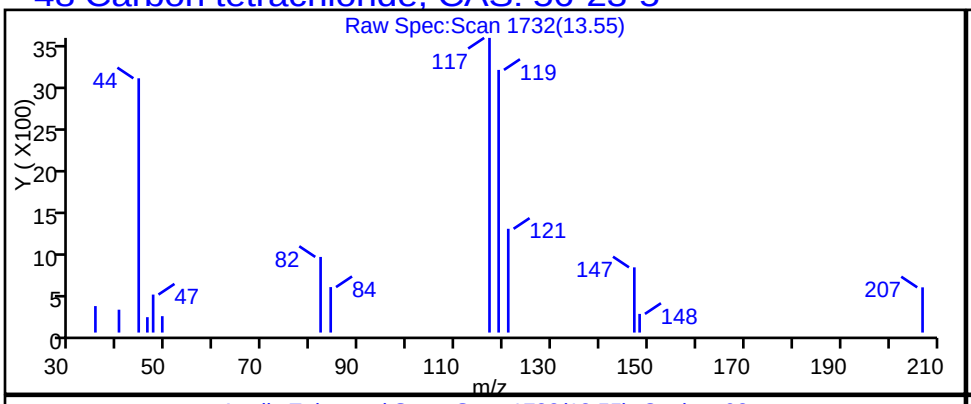
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

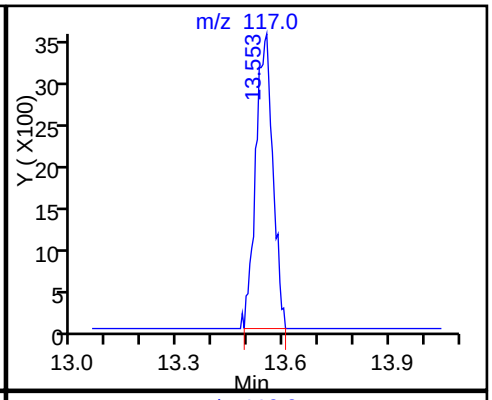
TestAmerica Burlington

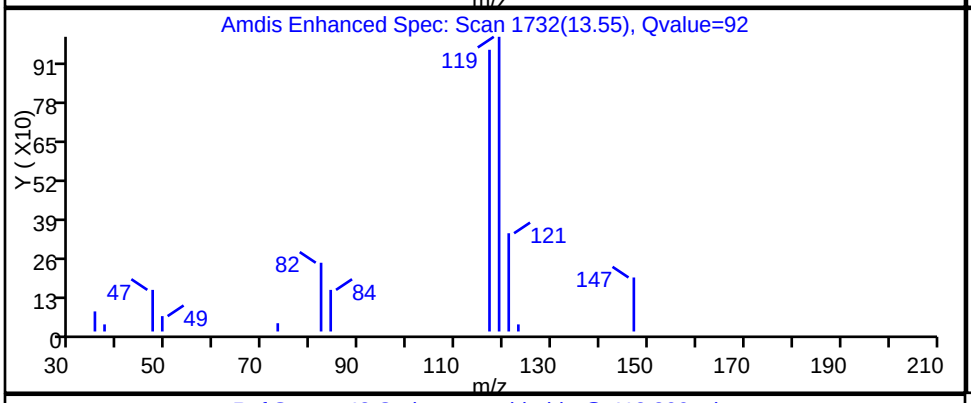
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

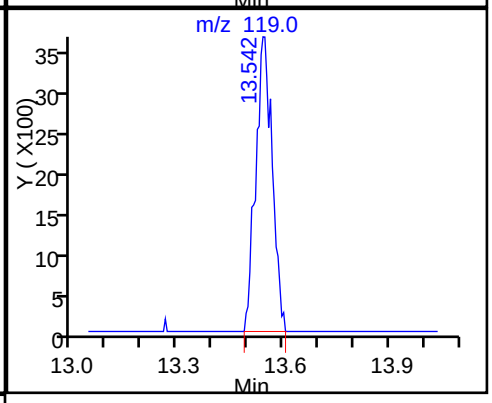
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

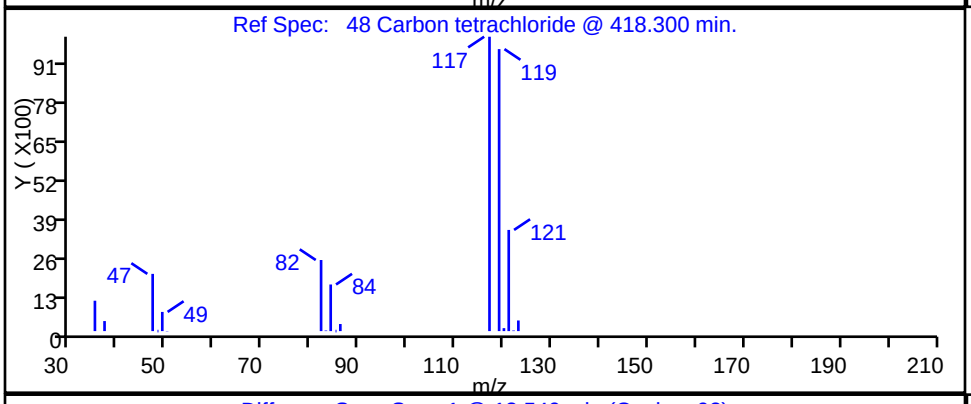
48 Carbon tetrachloride, CAS: 56-23-5

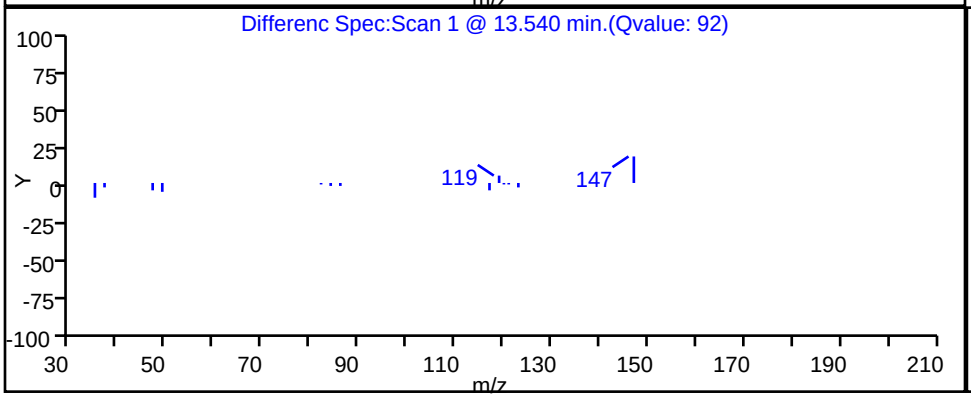


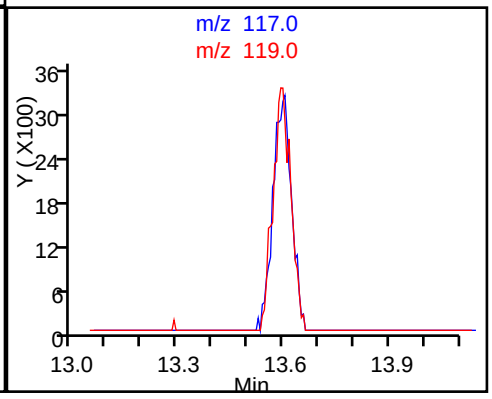












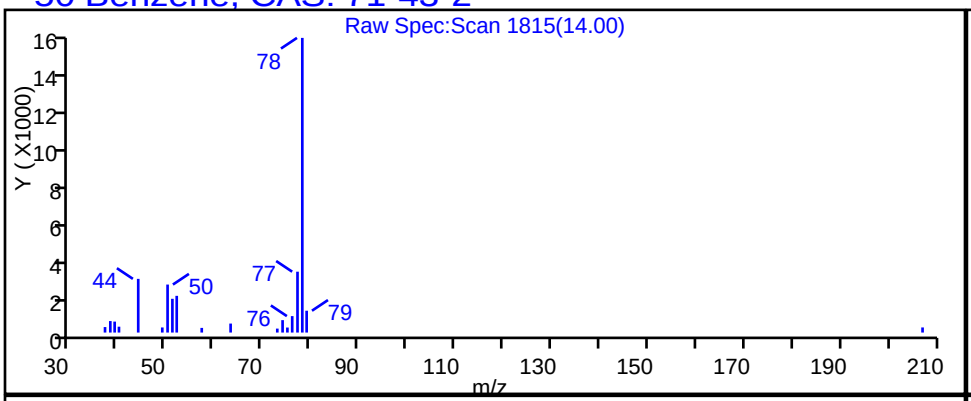
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

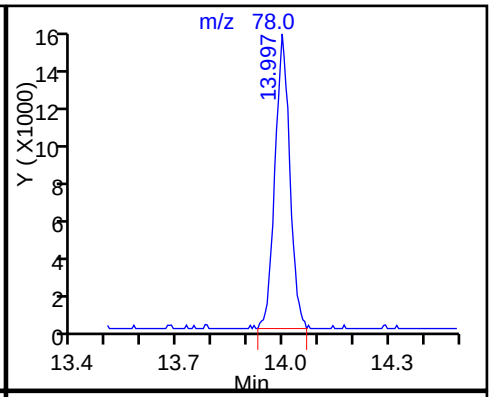
TestAmerica Burlington

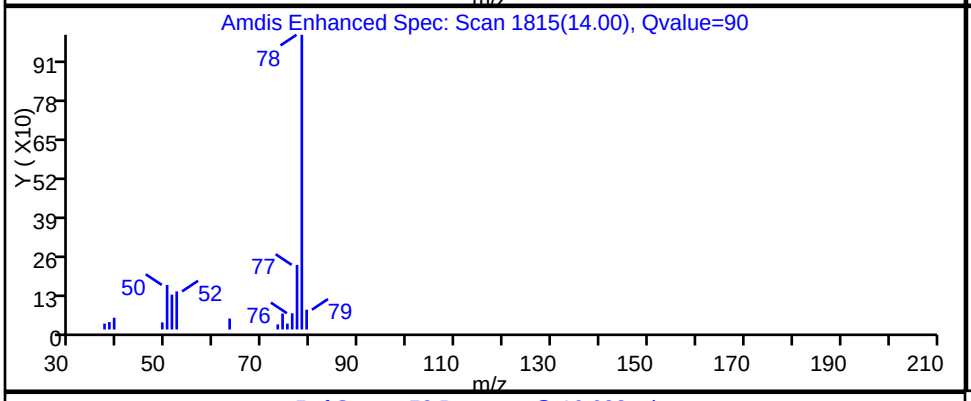
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

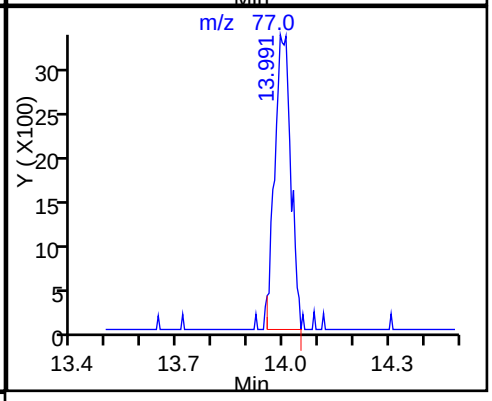
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

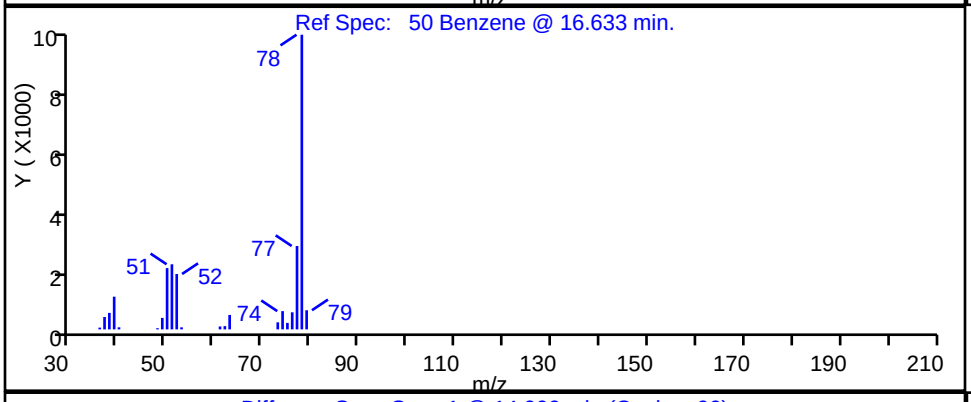
50 Benzene, CAS: 71-43-2

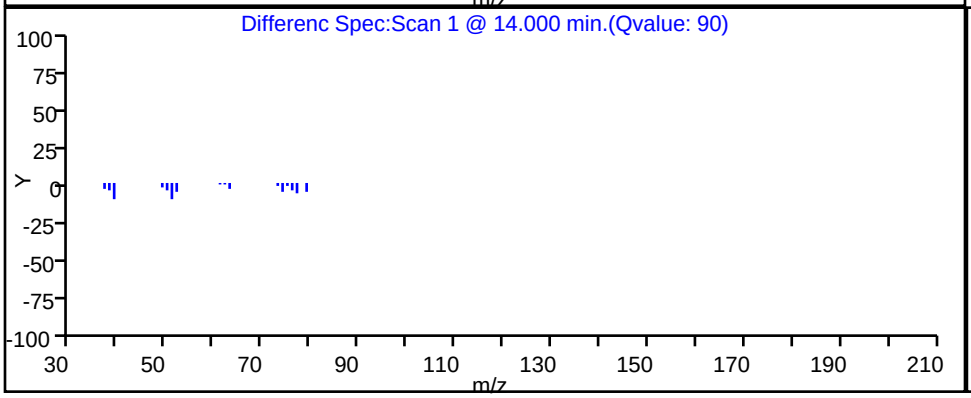


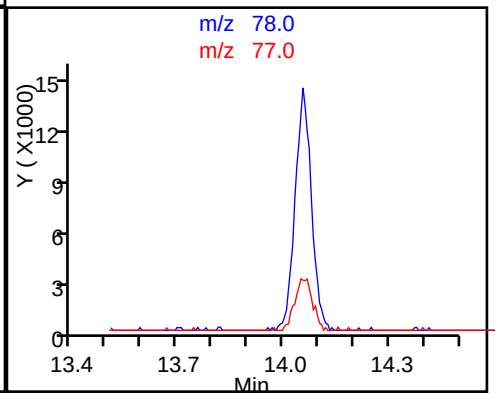












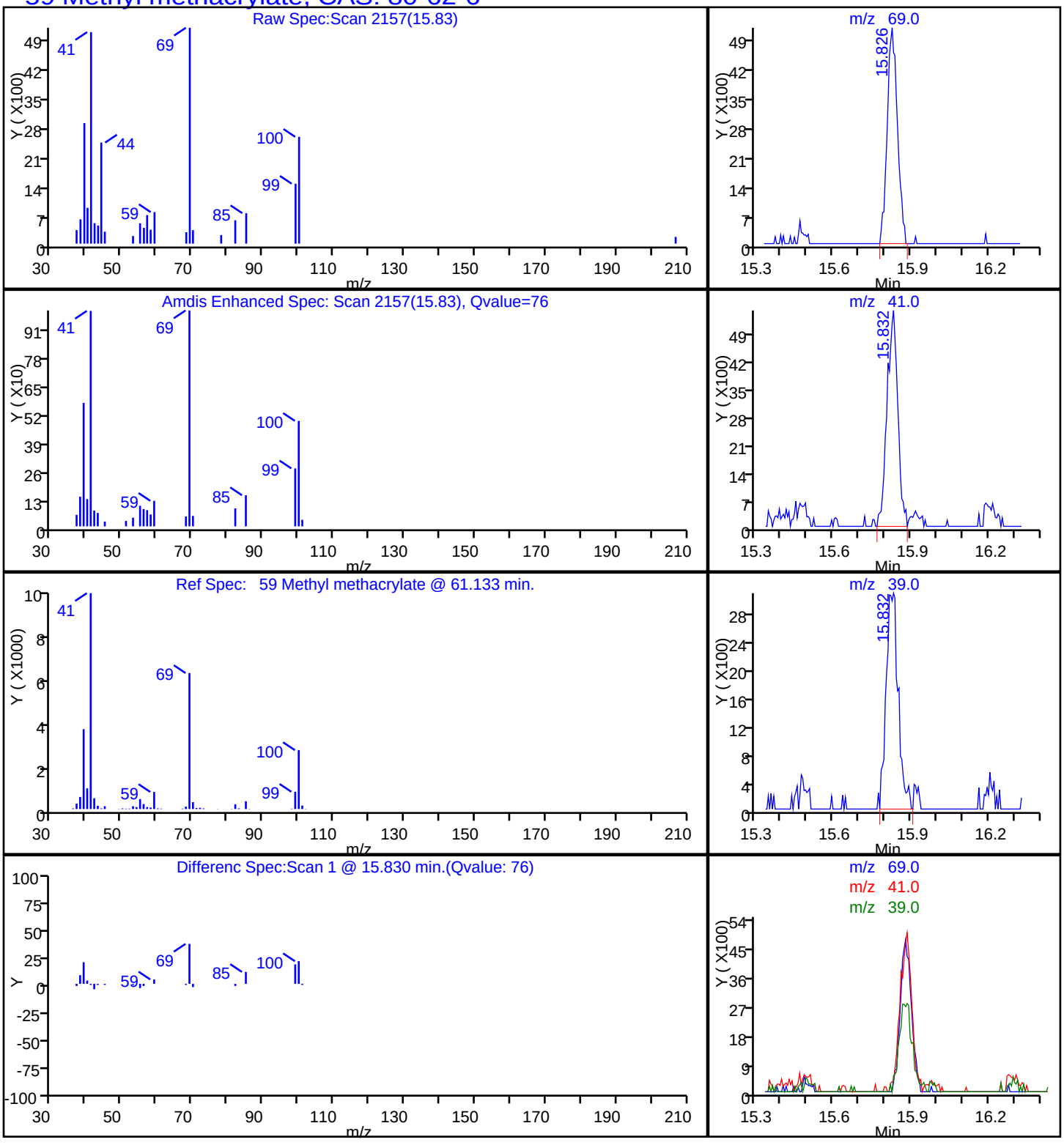
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11
Client ID:	IA-VMP-3D		
Operator ID:	bl	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

59 Methyl methacrylate, CAS: 80-62-6



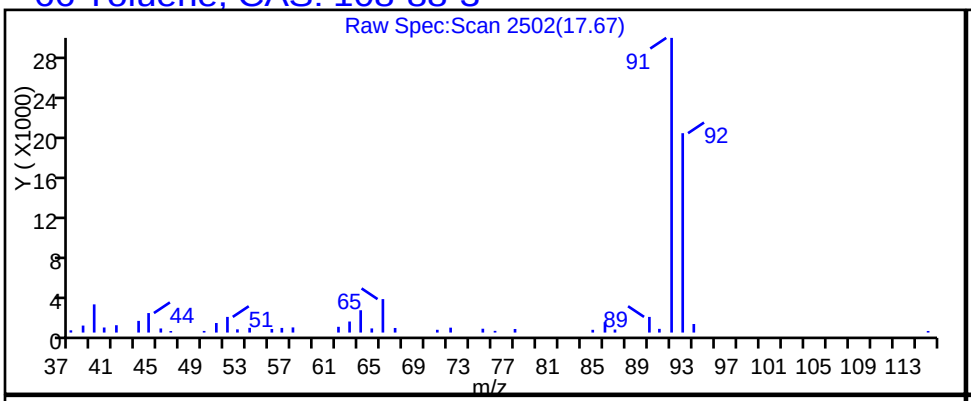
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

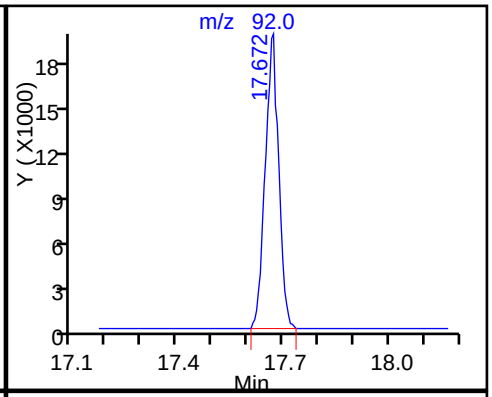
TestAmerica Burlington

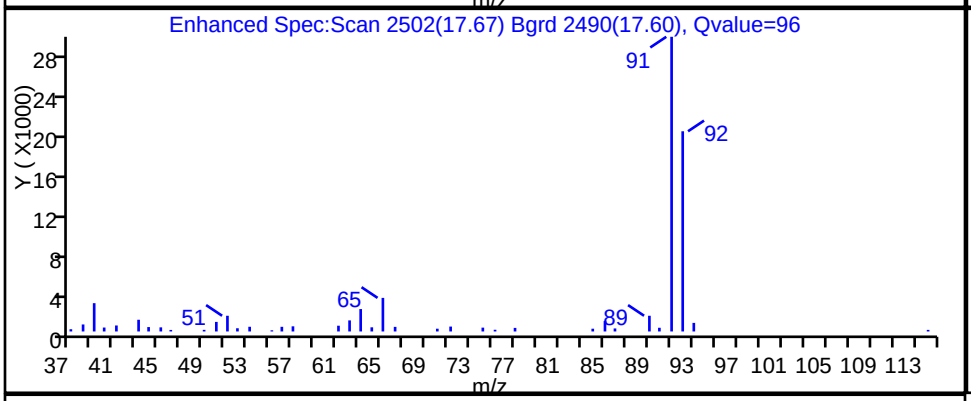
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

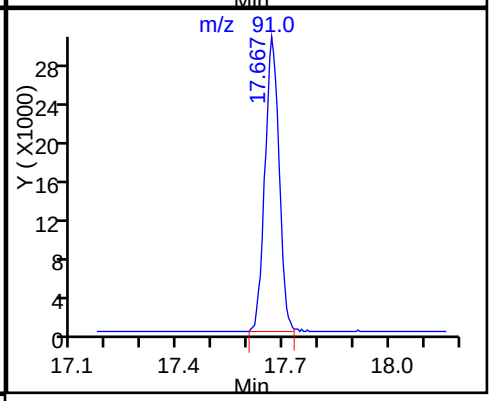
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

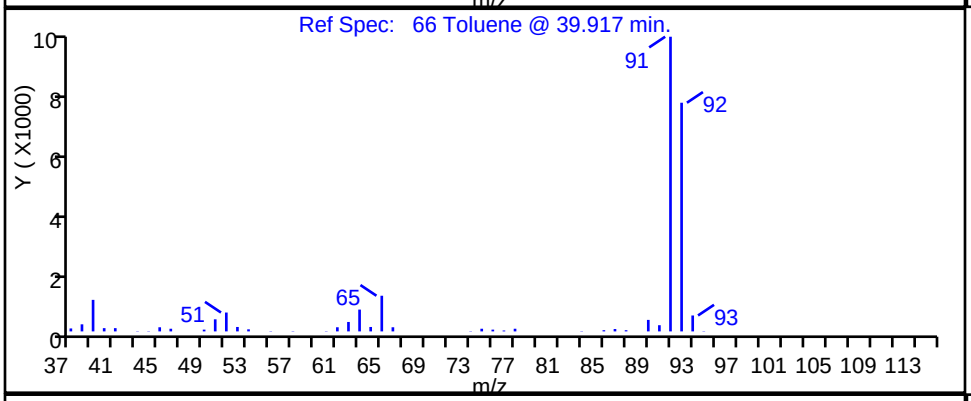
66 Toluene, CAS: 108-88-3

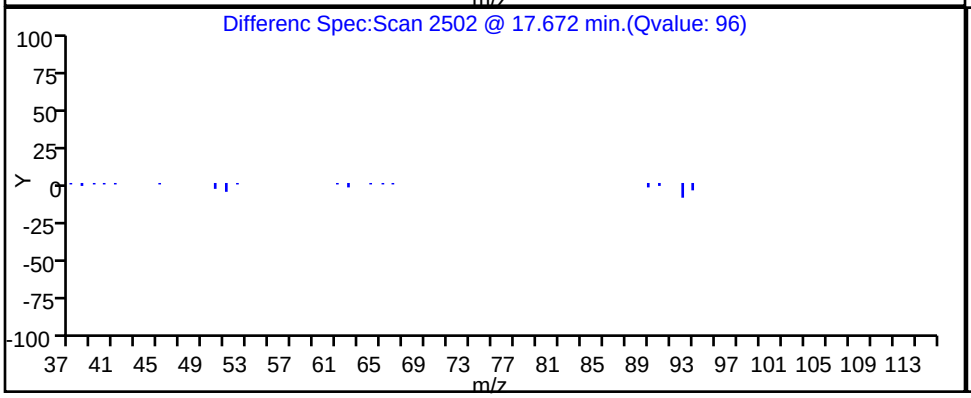


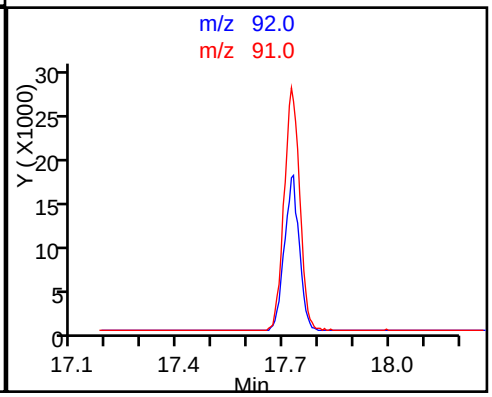












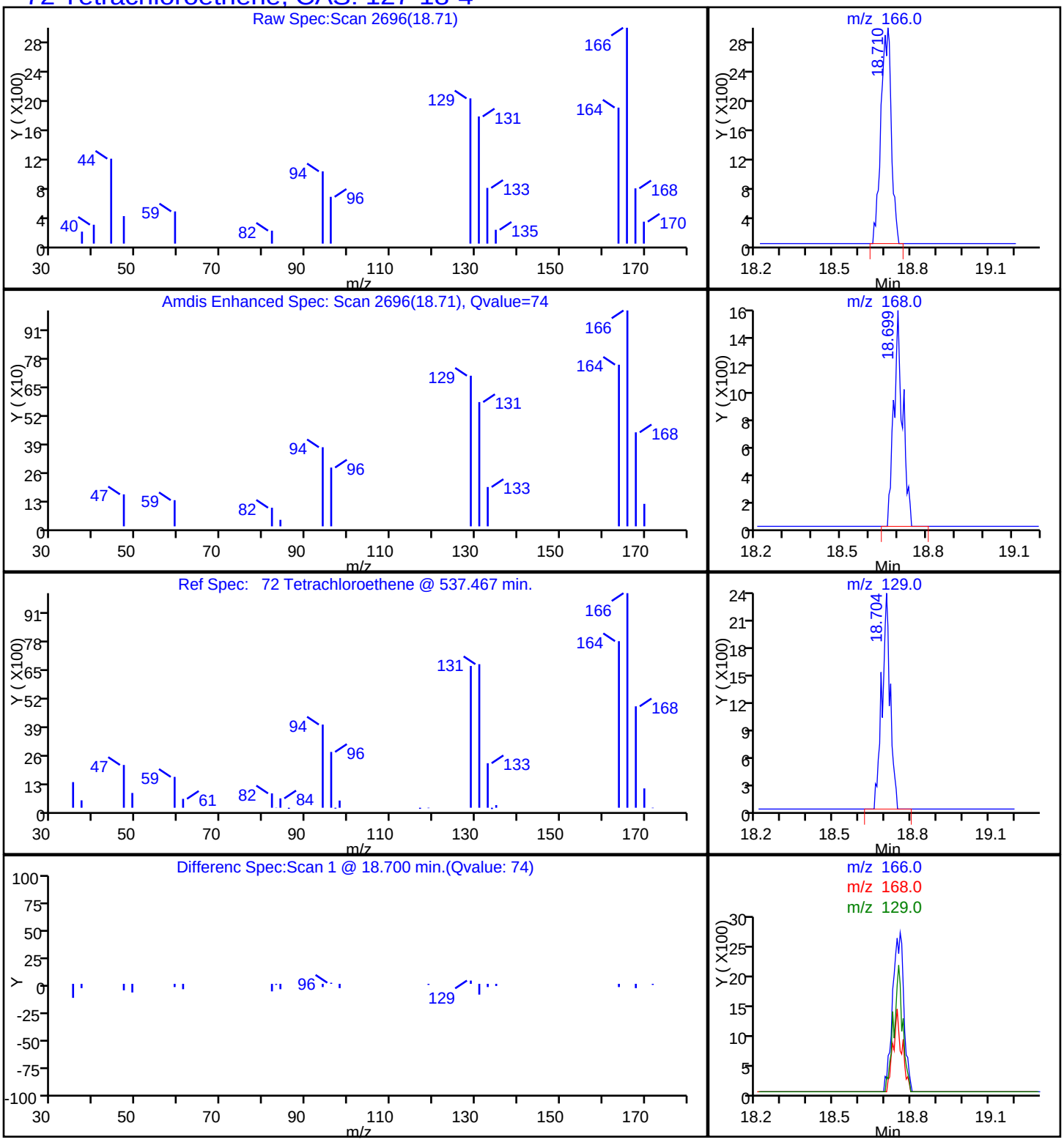
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11
Client ID:	IA-VMP-3D		
Operator ID:	bl	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

72 Tetrachloroethene, CAS: 127-18-4



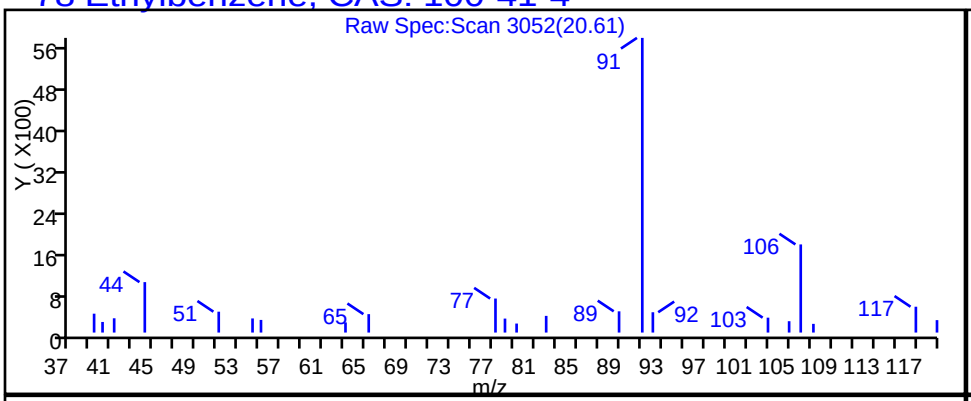
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

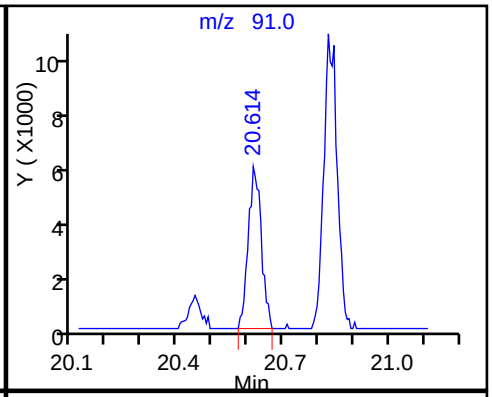
TestAmerica Burlington

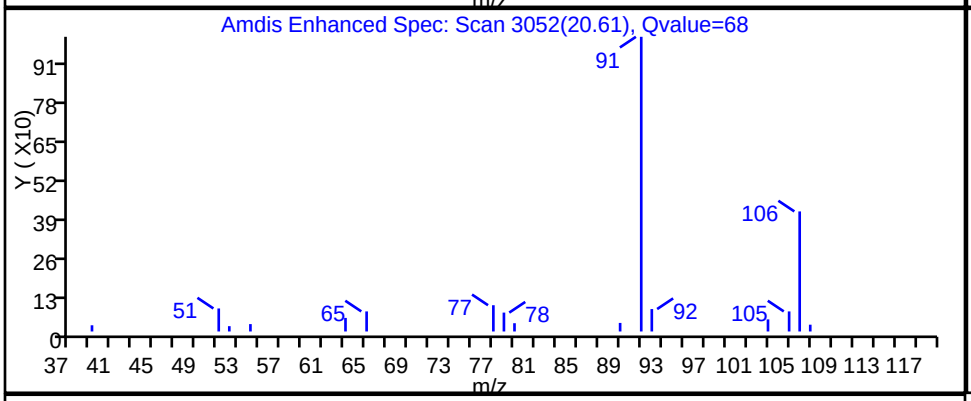
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

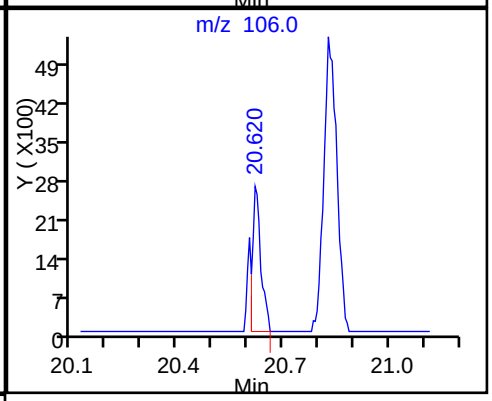
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11
Client ID:	IA-VMP-3D		
Operator ID:	bl	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

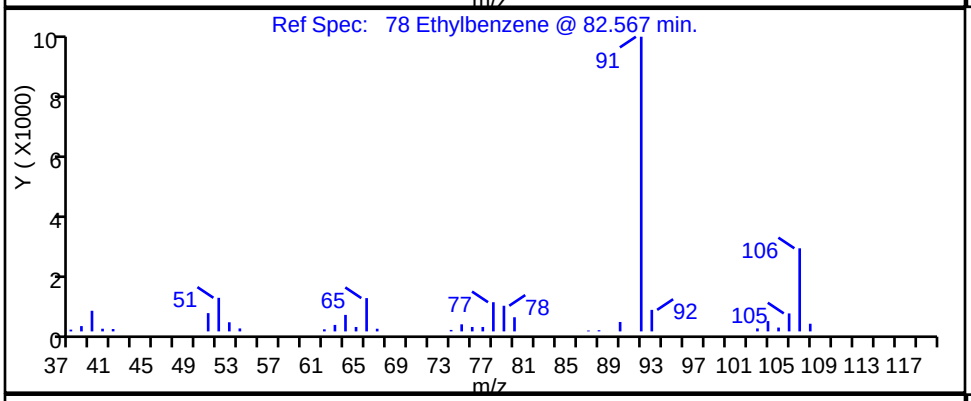
78 Ethylbenzene, CAS: 100-41-4

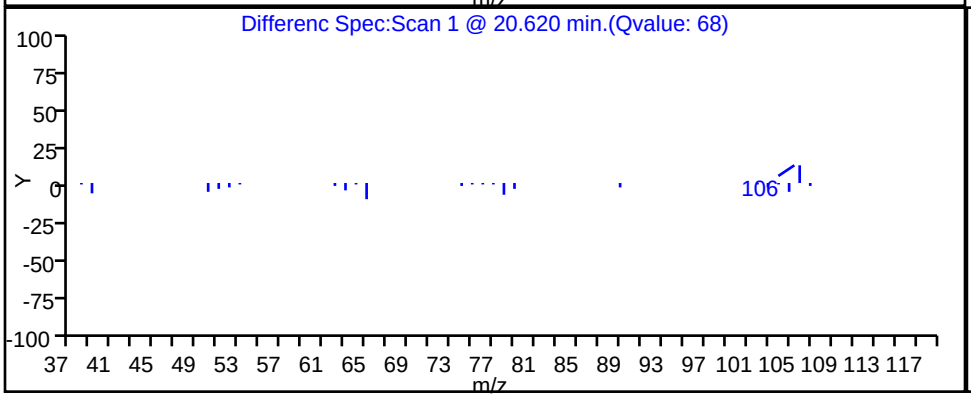


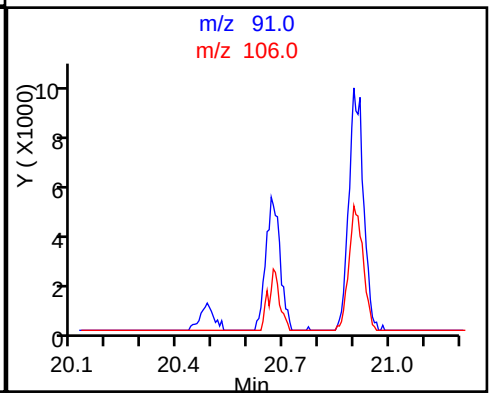












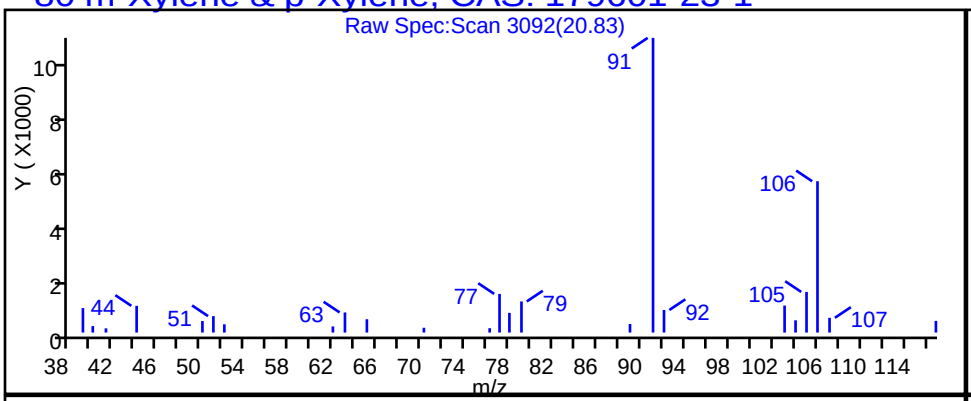
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

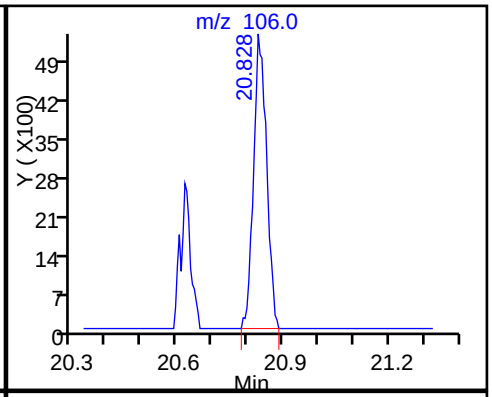
TestAmerica Burlington

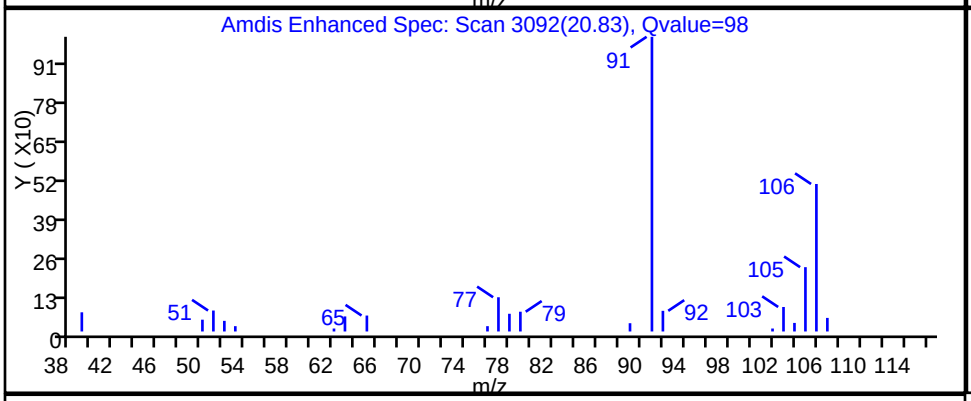
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

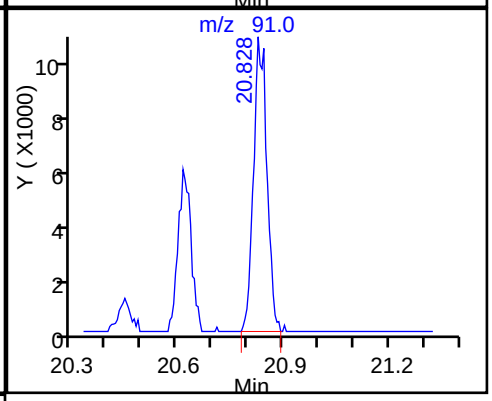
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

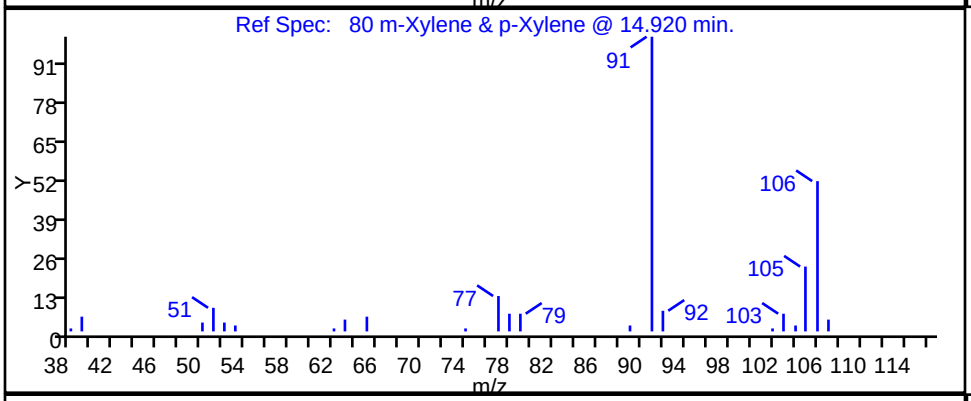
80 m-Xylene & p-Xylene, CAS: 179601-23-1

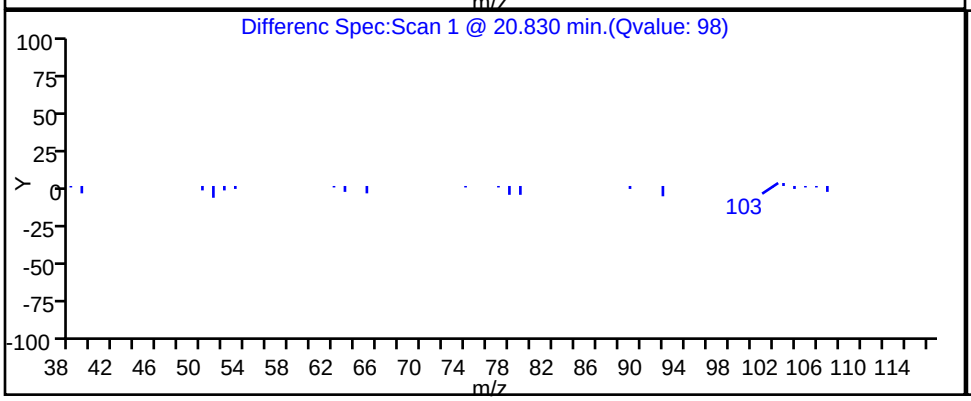


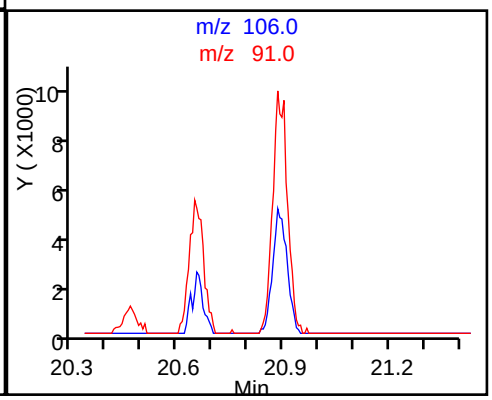












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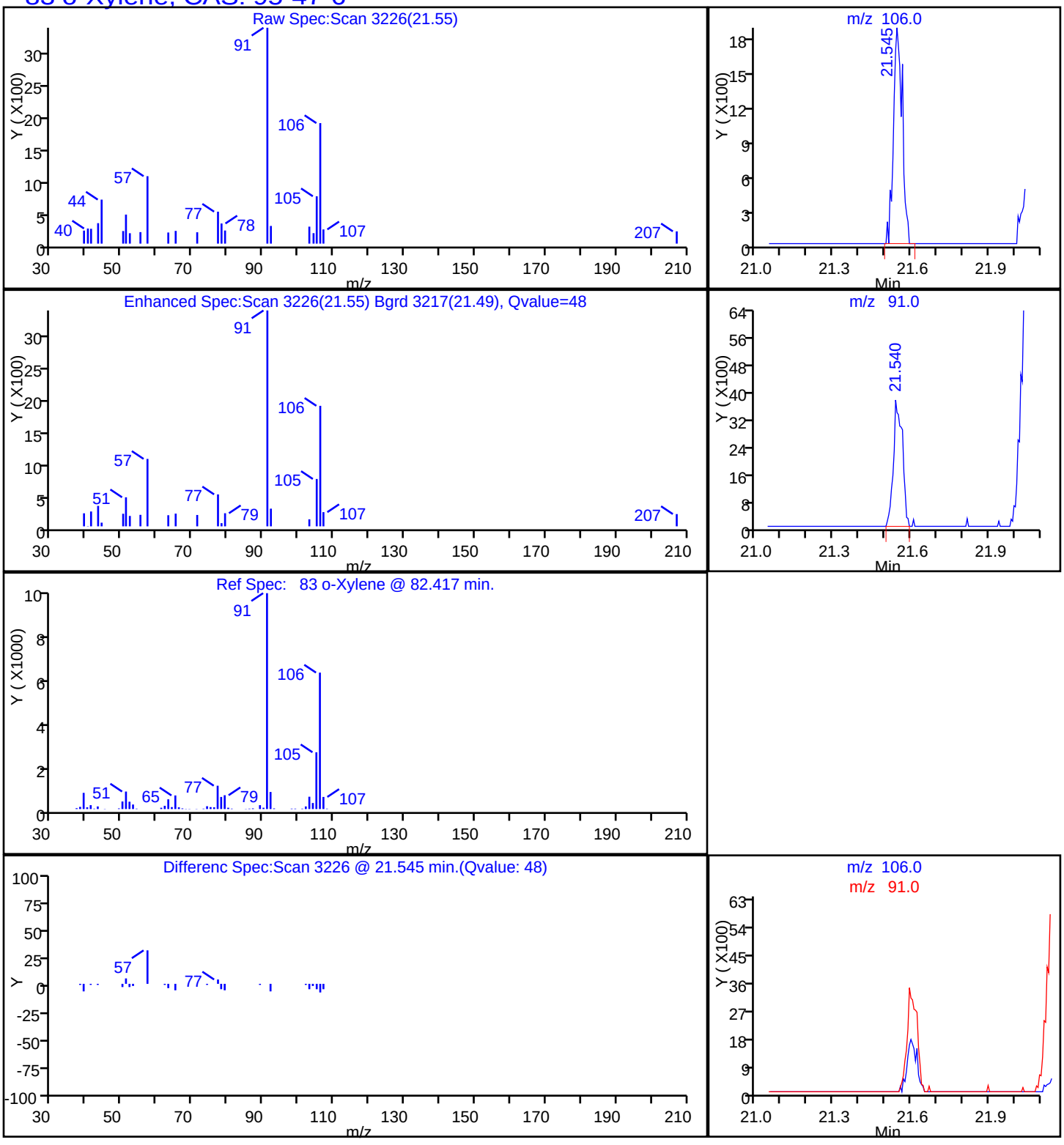
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



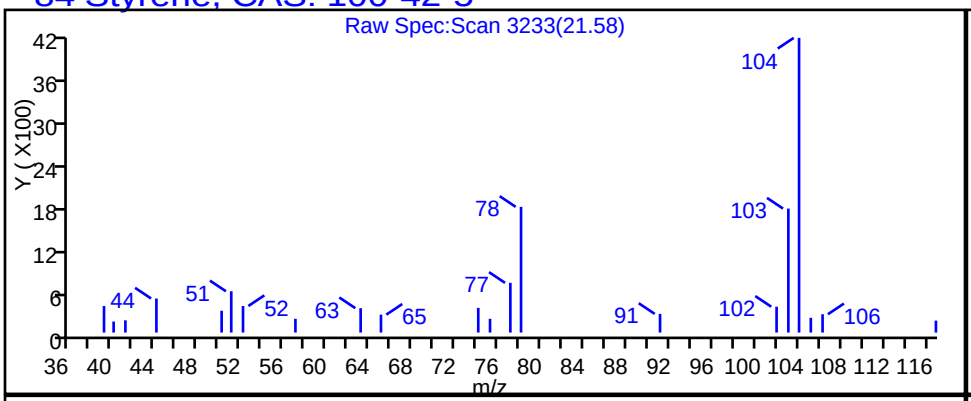
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

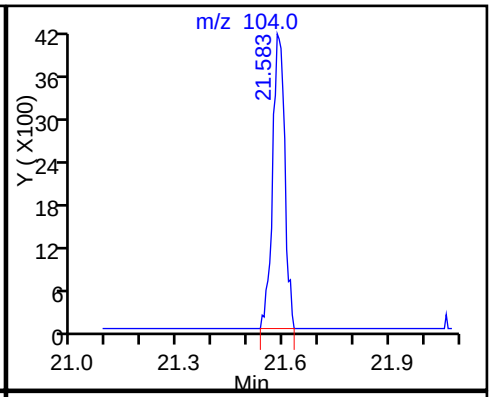
TestAmerica Burlington

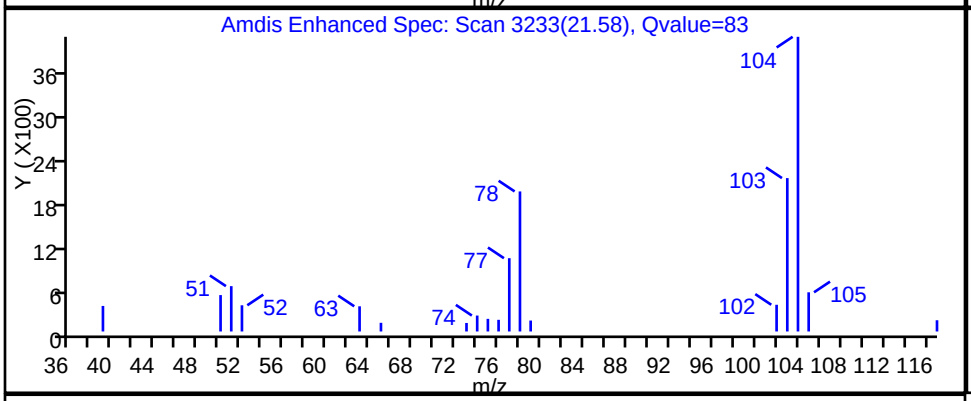
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d

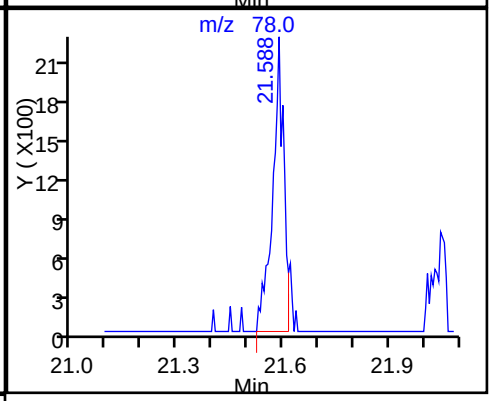
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

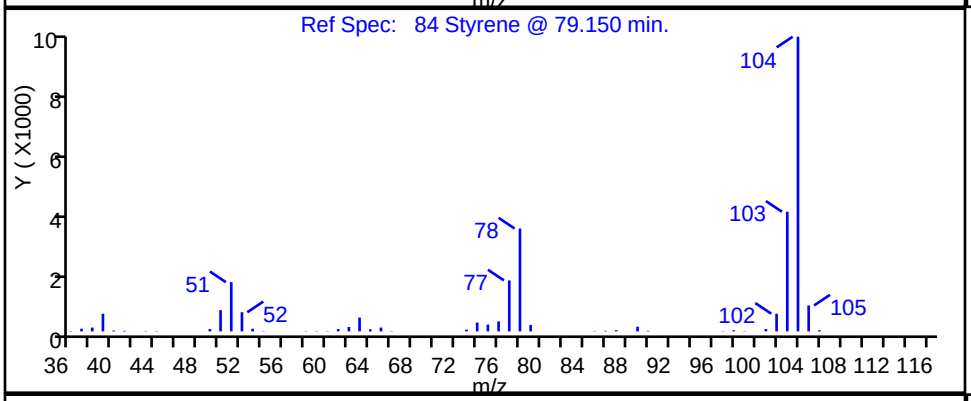
84 Styrene, CAS: 100-42-5

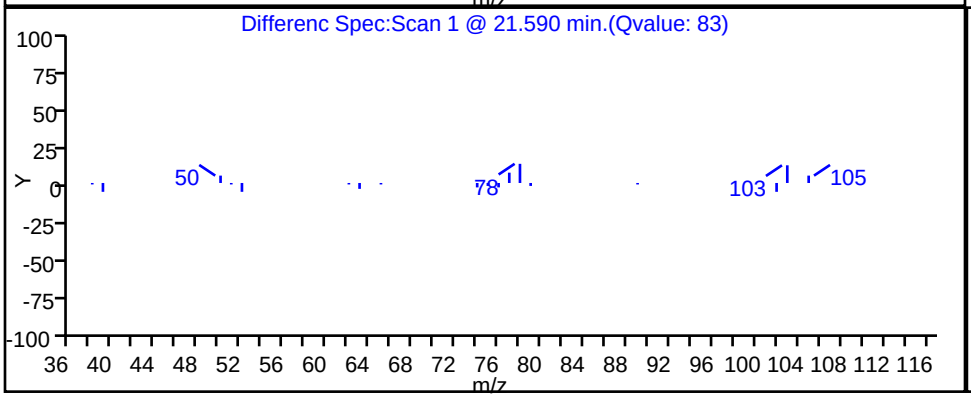


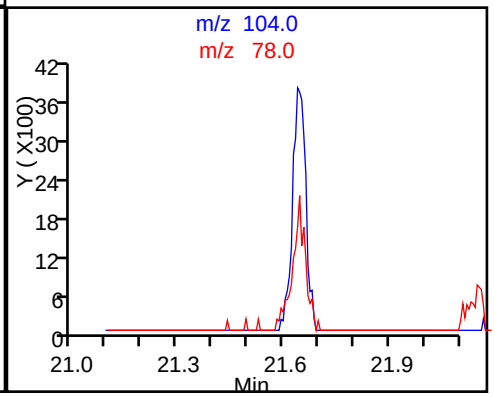










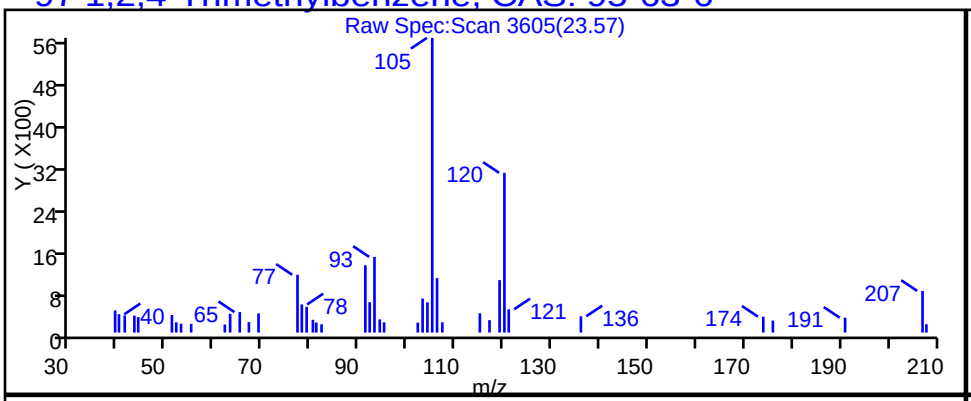


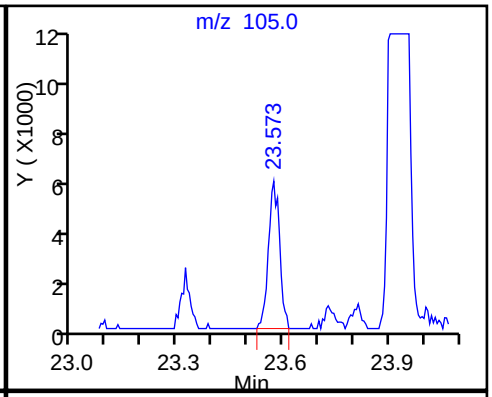
Report Date: 18-Feb-2014 11:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

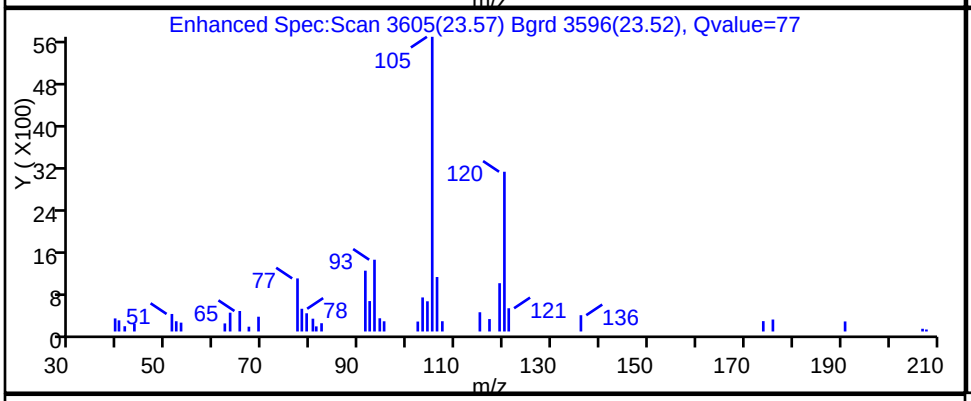
TestAmerica Burlington

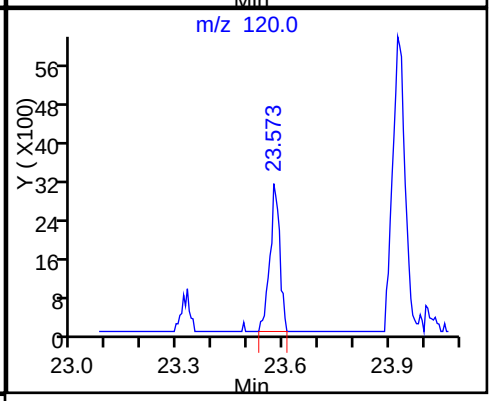
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d				
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

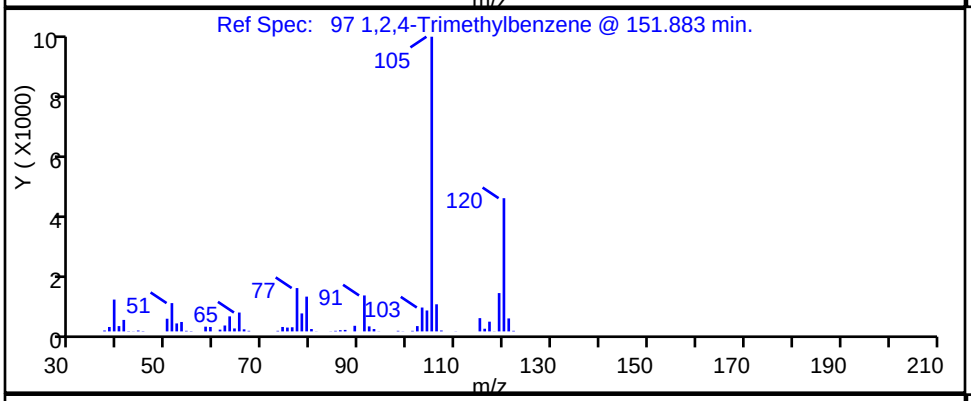
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

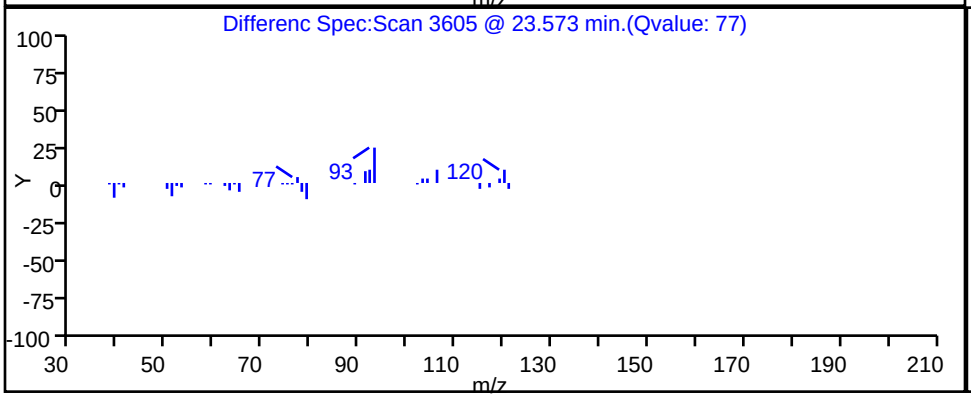


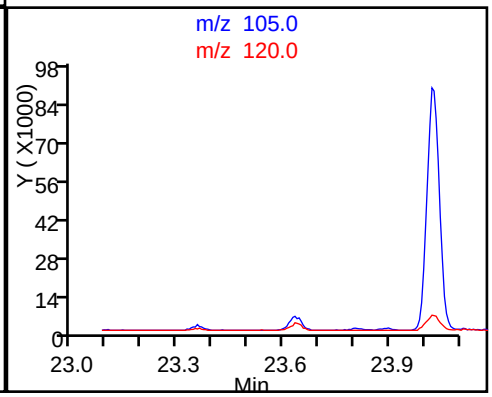












Manual Integration/User Assign Peak Report

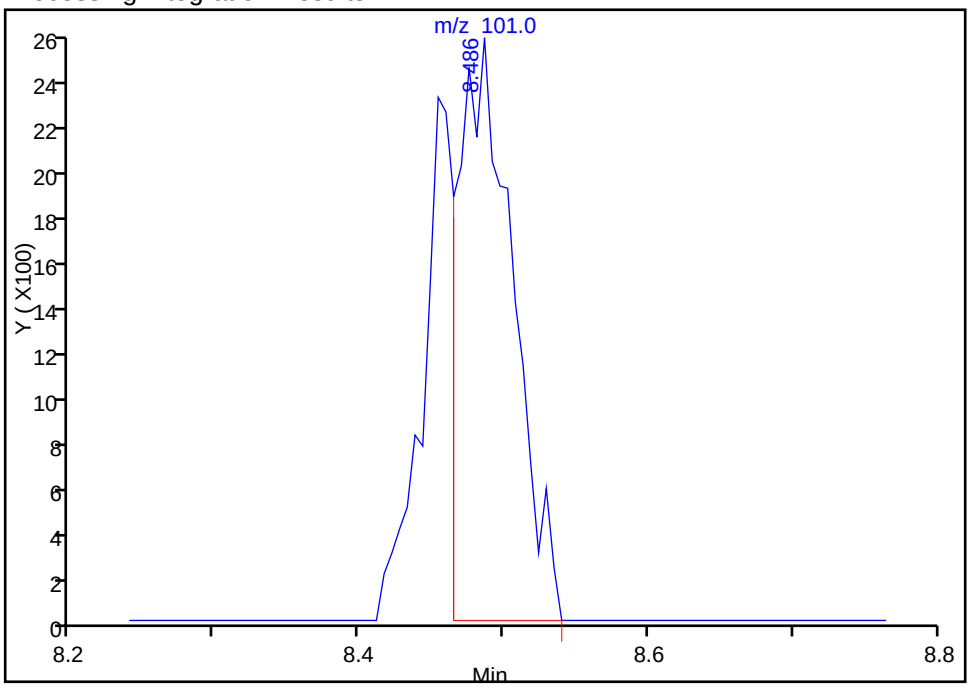
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d				
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

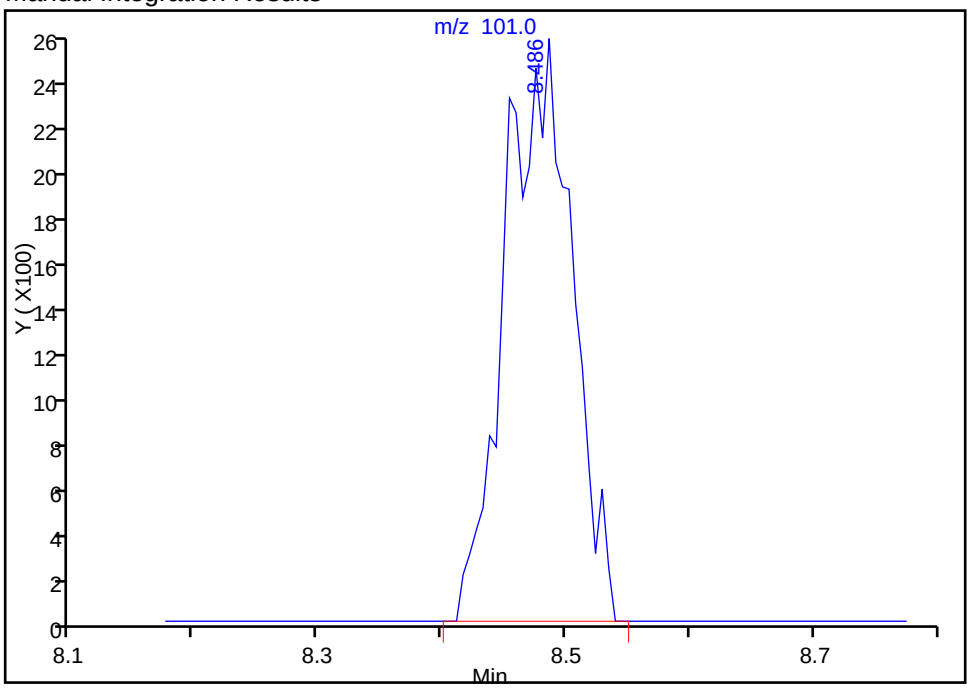
Processing Integration Results

RT: 8.49
Response: 6728
Amount: 0.056816



Manual Integration Results

RT: 8.49
Response: 9602
Amount: 0.081086



Reviewer: lyonsb, 18-Feb-2014 10:47:29
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

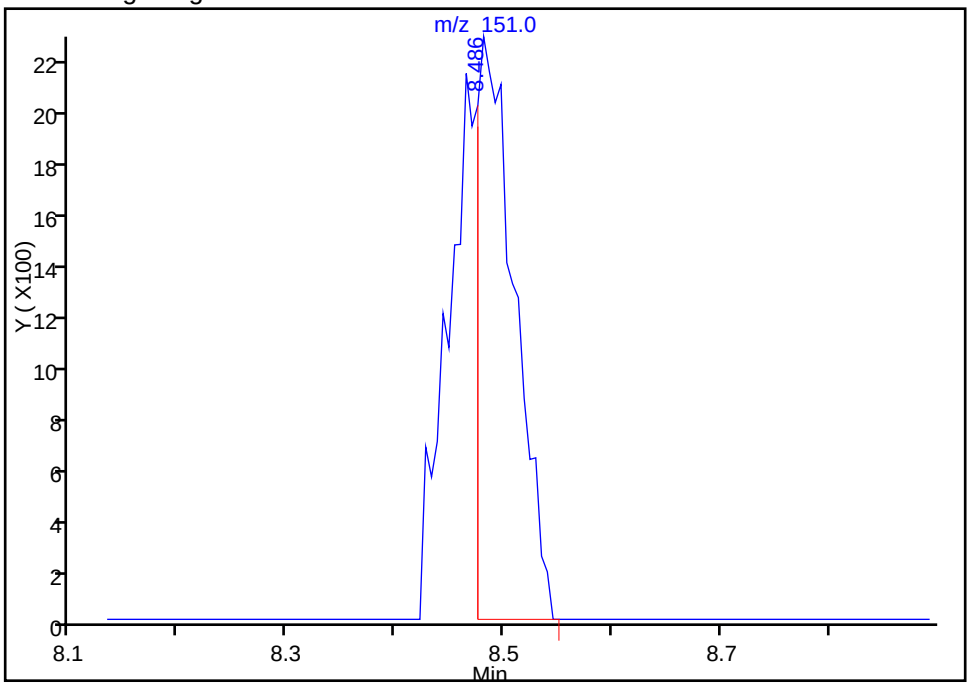
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d				
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

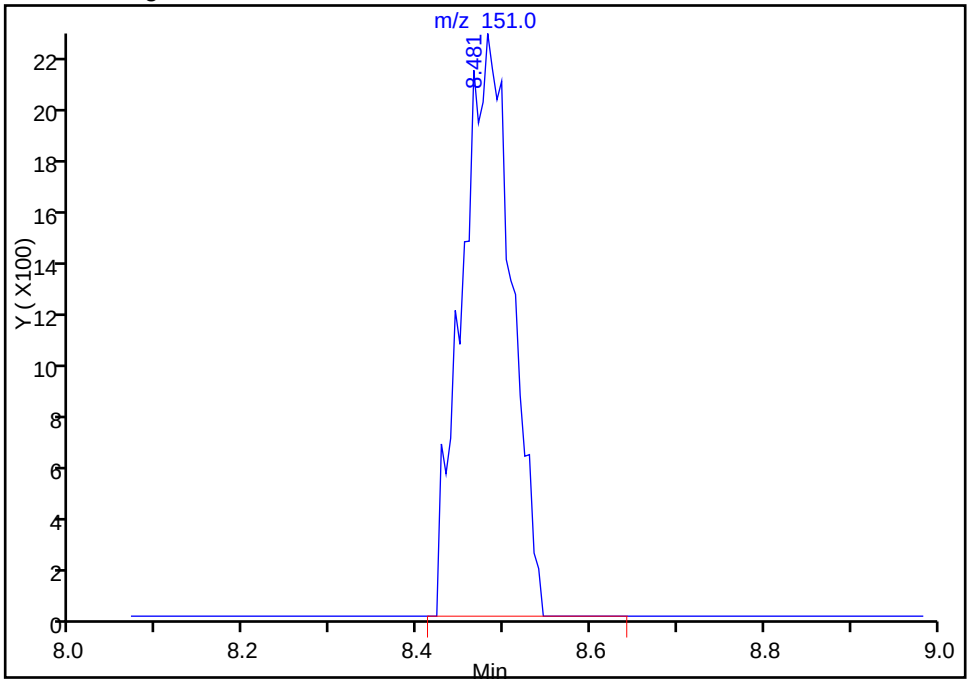
Processing Integration Results

RT: 8.49
Response: 5366
Amount: 0.056816



Manual Integration Results

RT: 8.48
Response: 8883
Amount: 0.081086



Reviewer: lyonsb, 18-Feb-2014 10:47:29
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

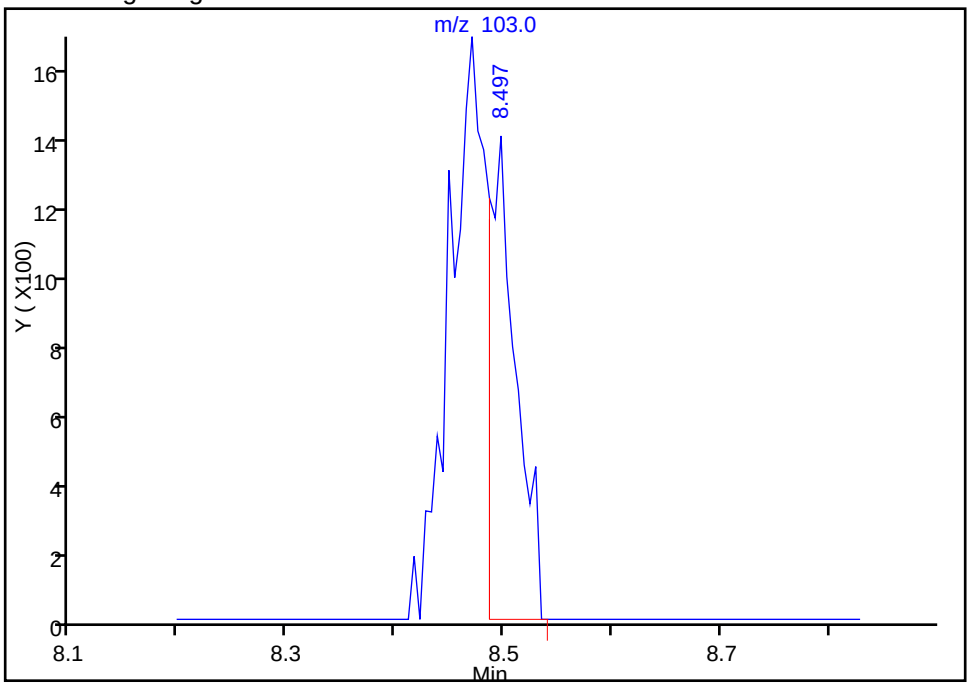
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d				
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

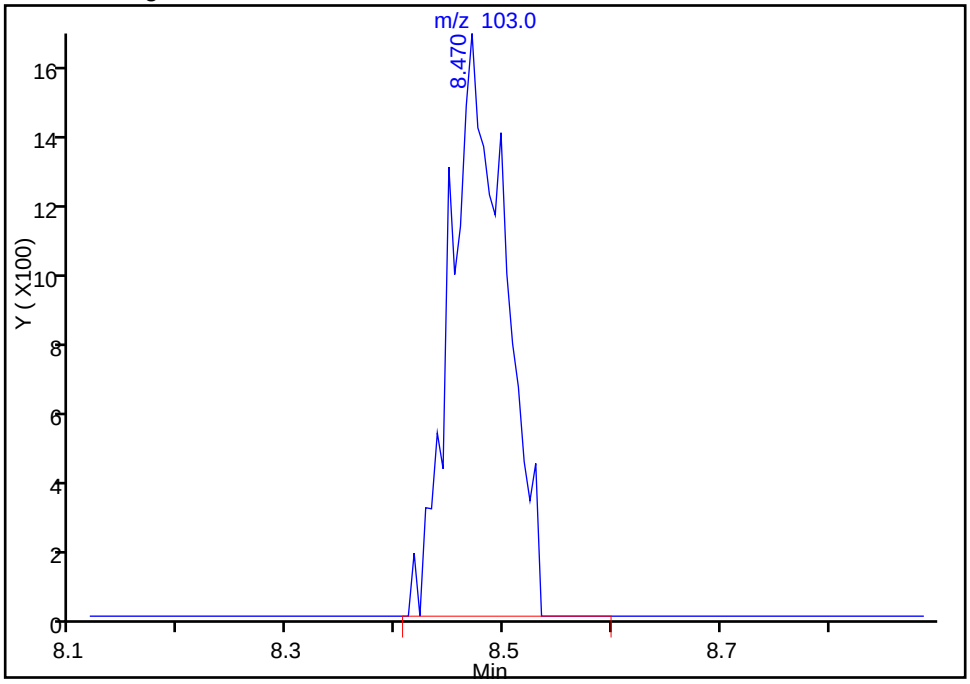
Processing Integration Results

RT: 8.50
Response: 2330
Amount: 0.056816



Manual Integration Results

RT: 8.47
Response: 5809
Amount: 0.081086



Reviewer: lyonsb, 18-Feb-2014 10:47:29
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d				
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

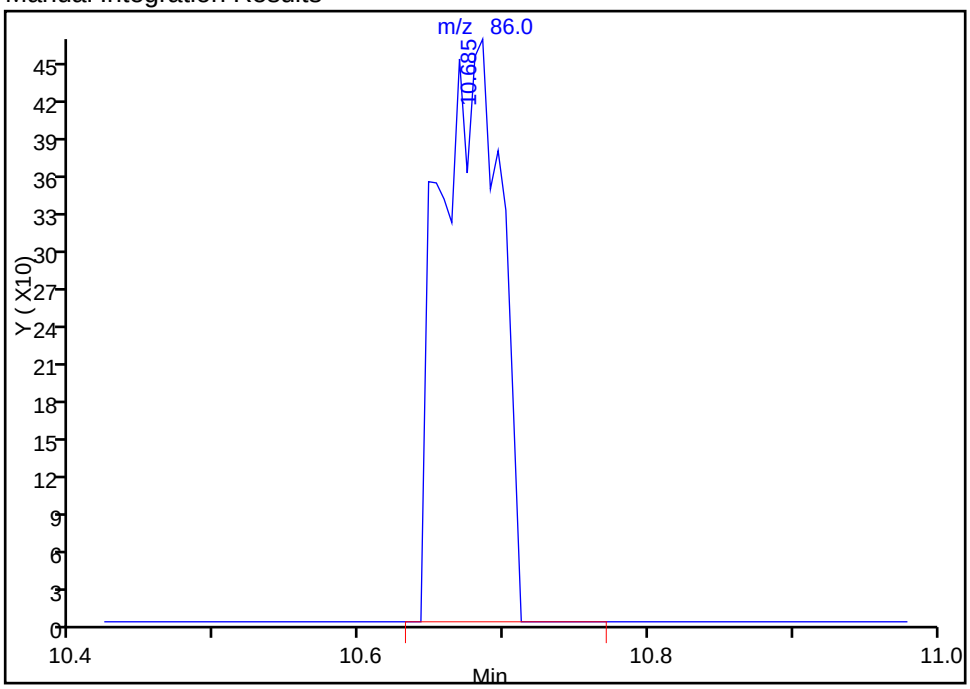
36 Hexane, CAS: 110-54-3

Processing Integration Results

RT: 10.65
Response: 0
Amount: 0.136829

Manual Integration Results

RT: 10.69
Response: 1394
Amount: 0.136829



Reviewer: lyonsb, 18-Feb-2014 10:47:29
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

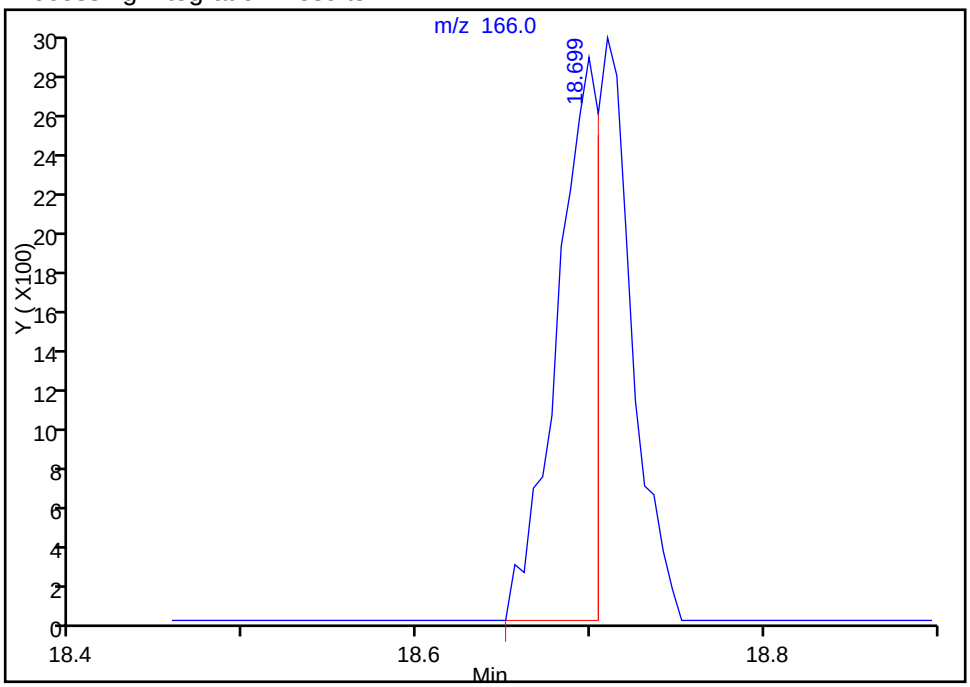
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d				
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

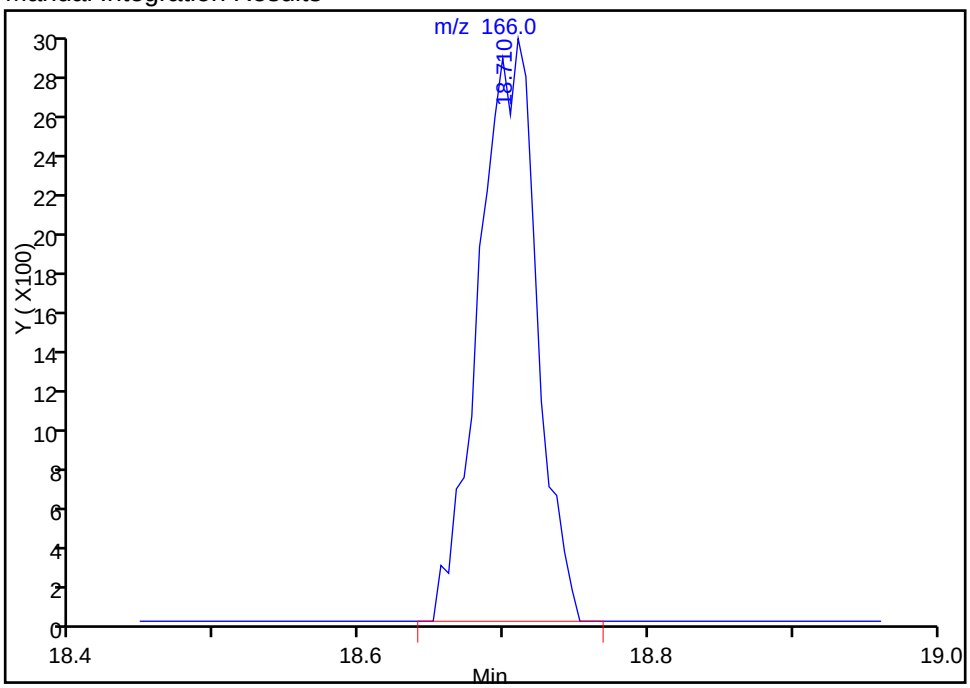
Processing Integration Results

RT: 18.70
Response: 4739
Amount: 0.033535



Manual Integration Results

RT: 18.71
Response: 8091
Amount: 0.057255



Reviewer: lyonsb, 18-Feb-2014 10:47:29
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

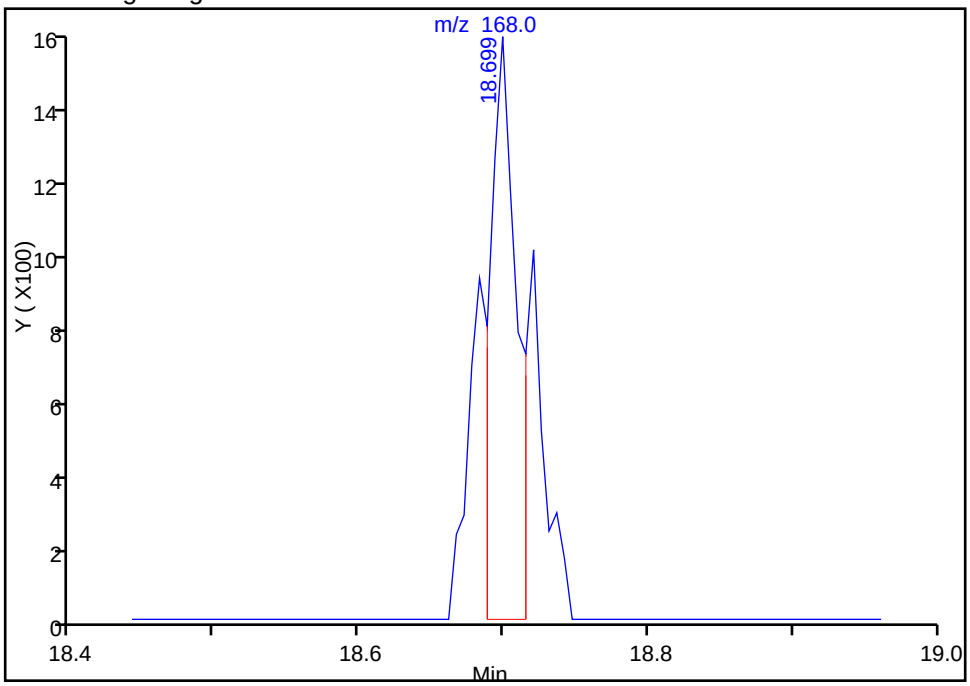
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d				
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

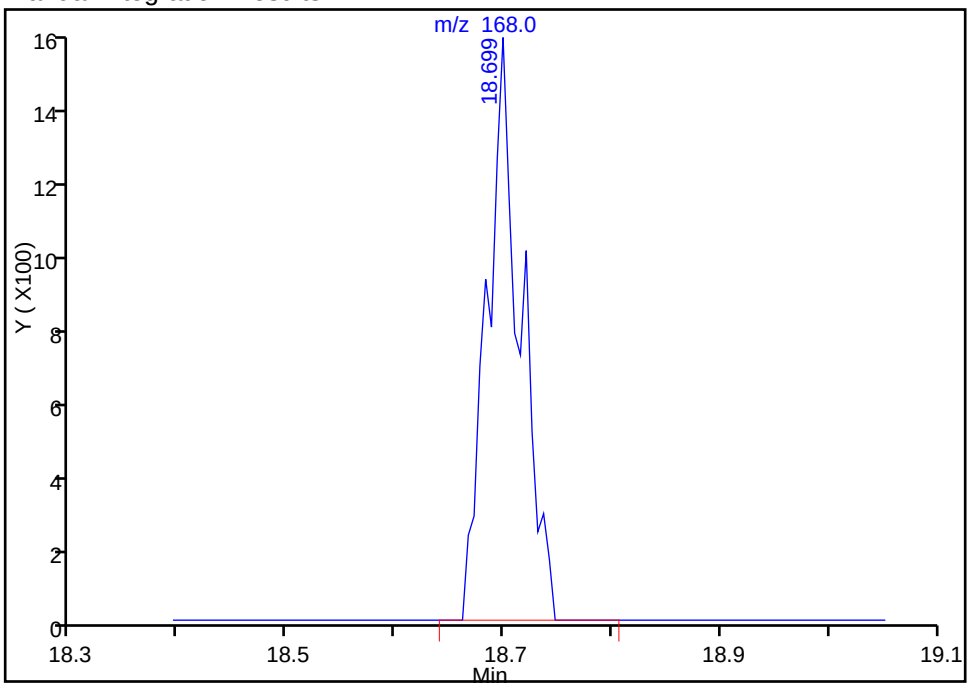
Processing Integration Results

RT: 18.70
Response: 1927
Amount: 0.033535



Manual Integration Results

RT: 18.70
Response: 3256
Amount: 0.057255



Reviewer: lyonsb, 18-Feb-2014 10:47:29
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

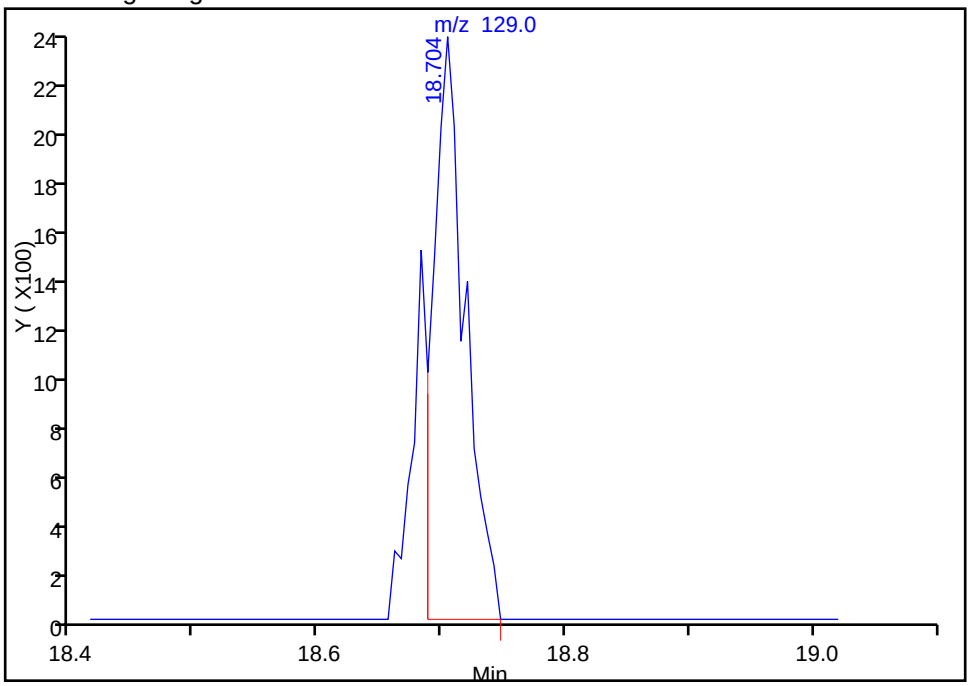
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d				
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

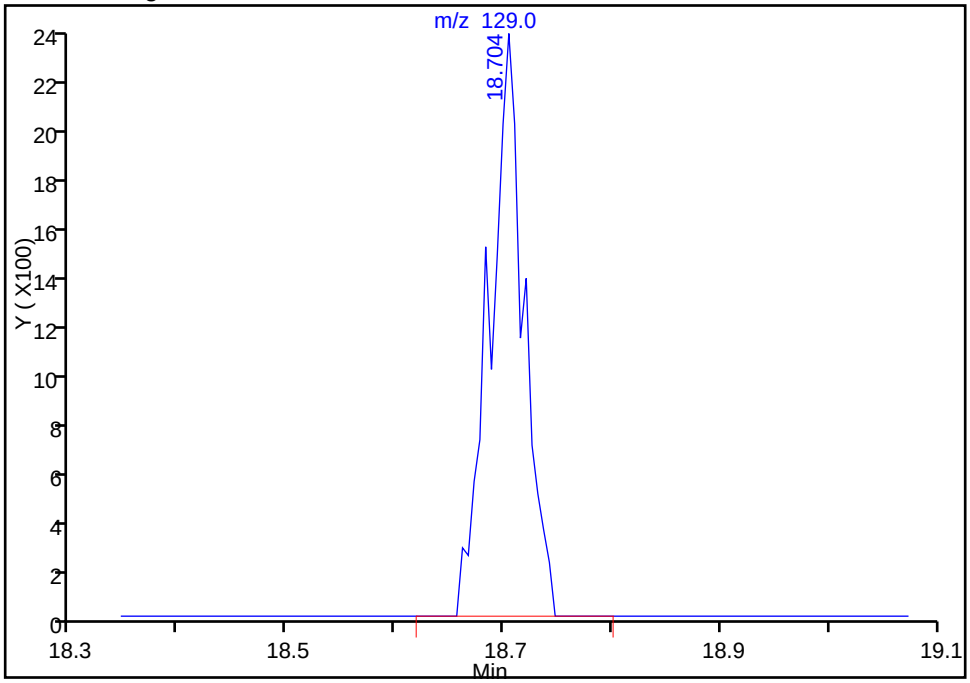
Processing Integration Results

RT: 18.70
Response: 4105
Amount: 0.033535



Manual Integration Results

RT: 18.70
Response: 5136
Amount: 0.057255



Reviewer: lyonsb, 18-Feb-2014 10:47:29
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

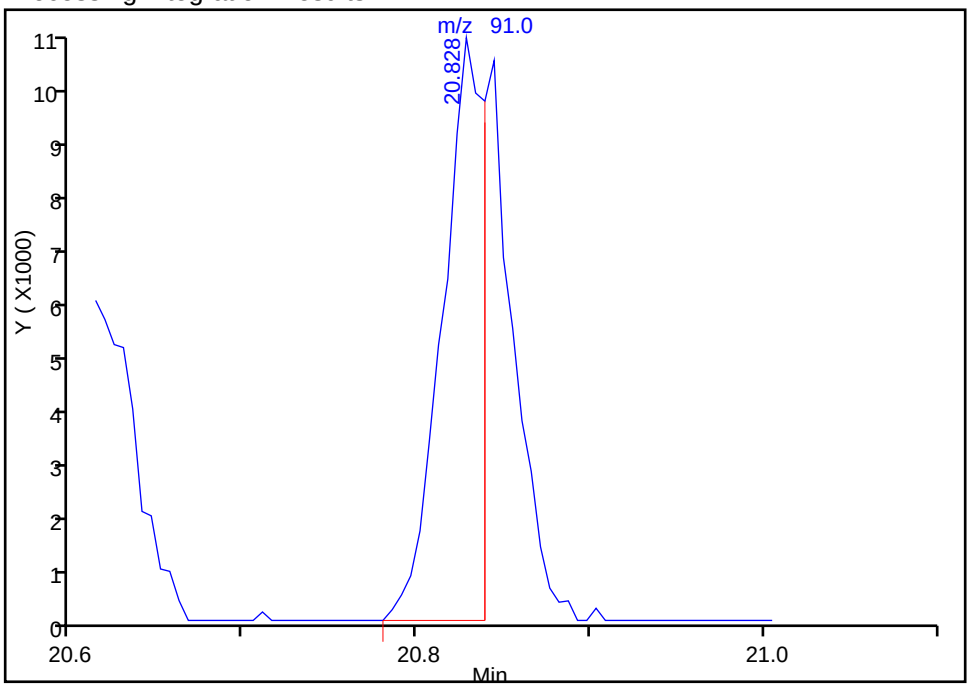
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d				
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1

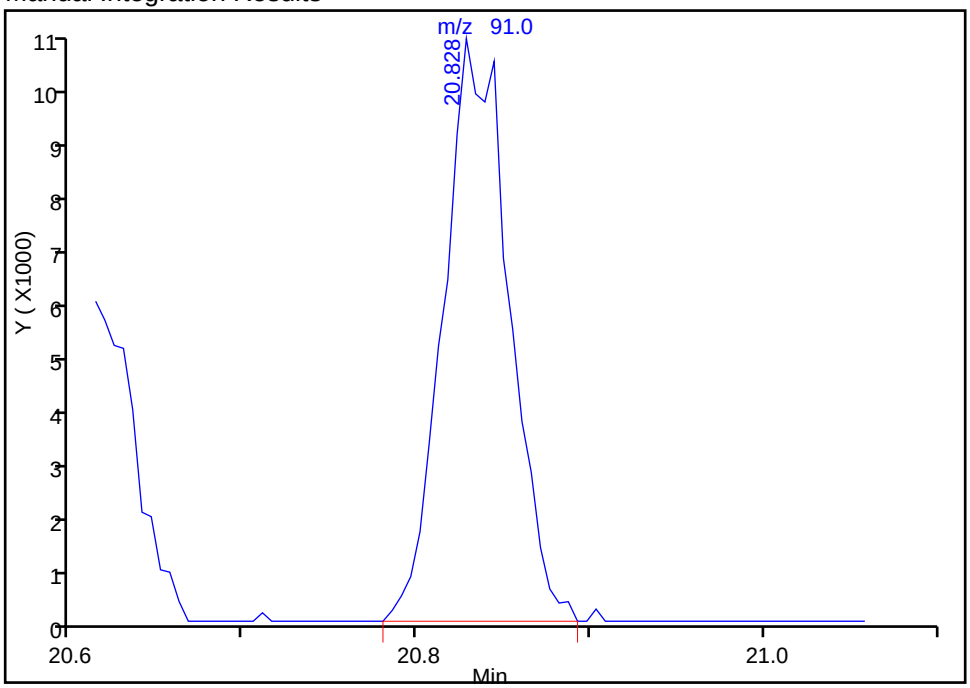
Processing Integration Results

RT: 20.83
Response: 17816
Amount: 0.129224



Manual Integration Results

RT: 20.83
Response: 27680
Amount: 0.129224



Reviewer: lyonsb, 18-Feb-2014 10:47:29
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

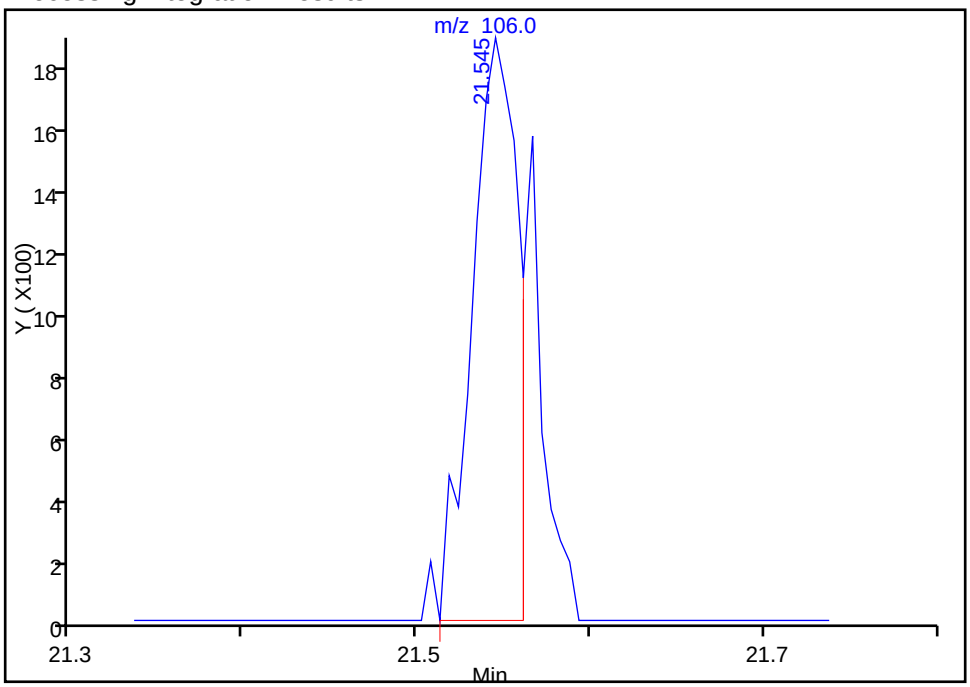
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_020.d				
Injection Date:	18-Feb-2014 03:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-11	Lab Sample ID:	200-20955-11		
Client ID:	IA-VMP-3D				
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6

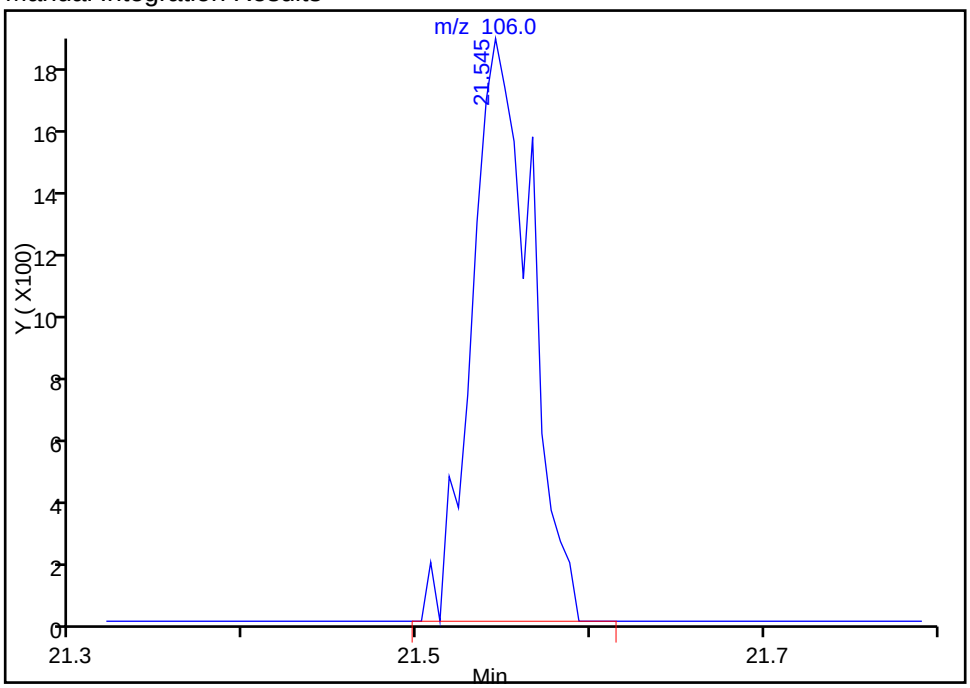
Processing Integration Results

RT: 21.55
Response: 3441
Amount: 0.034070



Manual Integration Results

RT: 21.55
Response: 4450
Amount: 0.044060



Reviewer: lyonsb, 18-Feb-2014 10:47:29
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-5B Lab Sample ID: 200-20955-13

Matrix: Air Lab File ID: 6267_023.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:14

Sample wt/vol: 24(mL) Date Analyzed: 02/22/2014 04:38

Soil Aliquot Vol: Dilution Factor: 13

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	6.5	U	6.5	0.39
75-45-6	Freon 22	86.47	2.4	J	6.5	0.62
76-14-2	Freon-114	170.92	2.6	U	2.6	0.46
74-87-3	Chloromethane	50.49	6.5	U	6.5	1.8
106-97-8	n-Butane	58.12	6.5	U	6.5	3.7
75-01-4	Vinyl chloride	62.50	0.52	U	0.52	0.49
106-99-0	1,3-Butadiene	54.09	2.6	U	2.6	0.55
74-83-9	Bromomethane	94.94	2.6	U	2.6	0.36
75-00-3	Chloroethane	64.52	6.5	U	6.5	0.39
593-60-2	Vinyl bromide	106.96	2.6	U	2.6	0.39
75-69-4	Freon 11	137.37	2.6	U	2.6	0.39
76-13-1	Freon 113	187.38	2.6	U	2.6	0.23
75-35-4	1,1-Dichloroethene	96.94	2.6	U	2.6	0.31
67-64-1	Acetone	58.08	65	U	65	16
67-63-0	Isopropyl alcohol	60.10	300		65	2.8
75-15-0	Carbon disulfide	76.14	6.5	U	6.5	0.86
107-05-1	Allyl chloride	76.53	6.5	U	6.5	0.44
75-09-2	Methylene Chloride	84.93	420		6.5	1.6
75-65-0	tert-Butyl alcohol	74.12	65	U	65	4.3
1634-04-4	Methyl tert-butyl ether	88.15	2.6	U	2.6	0.29
156-60-5	trans-1,2-Dichloroethene	96.94	2.6	U	2.6	0.38
110-54-3	Hexane	86.17	2.6	U	2.6	0.44
75-34-3	1,1-Dichloroethane	98.96	2.6	U	2.6	0.49
78-93-3	Methyl Ethyl Ketone	72.11	6.5	U	6.5	3.1
156-59-2	cis-1,2-Dichloroethene	96.94	2.6	U	2.6	0.49
540-59-0	1,2-Dichloroethene, Total	96.94	2.6	U	2.6	0.83
67-66-3	Chloroform	119.38	2.6	U	2.6	0.33
109-99-9	Tetrahydrofuran	72.11	6.6	J	65	0.60
71-55-6	1,1,1-Trichloroethane	133.41	2.6	U	2.6	0.27
110-82-7	Cyclohexane	84.16	2.4	J	2.6	0.33
56-23-5	Carbon tetrachloride	153.81	0.52	U	0.52	0.27
540-84-1	2,2,4-Trimethylpentane	114.23	2.6	U	2.6	0.35
71-43-2	Benzene	78.11	2.6	U	2.6	0.25
107-06-2	1,2-Dichloroethane	98.96	2.6	U	2.6	0.22
142-82-5	Heptane	100.21	2.6	U	2.6	0.60

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-5B Lab Sample ID: 200-20955-13

Matrix: Air Lab File ID: 6267_023.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:14

Sample wt/vol: 24(mL) Date Analyzed: 02/22/2014 04:38

Soil Aliquot Vol: Dilution Factor: 13

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.52	U	0.52	0.31
80-62-6	Methyl methacrylate	100.12	6.5	U	6.5	0.39
78-87-5	1,2-Dichloropropane	112.99	2.6	U	2.6	0.42
123-91-1	1,4-Dioxane	88.11	65	U	65	2.6
75-27-4	Bromodichloromethane	163.83	2.6	U	2.6	0.22
10061-01-5	cis-1,3-Dichloropropene	110.97	2.6	U	2.6	0.36
108-10-1	methyl isobutyl ketone	100.16	6.5	U	6.5	0.35
108-88-3	Toluene	92.14	1.4	J	2.6	0.22
10061-02-6	trans-1,3-Dichloropropene	110.97	2.6	U	2.6	0.29
79-00-5	1,1,2-Trichloroethane	133.41	2.6	U	2.6	0.22
127-18-4	Tetrachloroethene	165.83	2.6	U	2.6	0.21
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	6.5	U	6.5	2.6
124-48-1	Dibromochloromethane	208.29	2.6	U	2.6	0.26
106-93-4	1,2-Dibromoethane	187.87	2.6	U	2.6	0.26
108-90-7	Chlorobenzene	112.56	2.6	U	2.6	0.11
100-41-4	Ethylbenzene	106.17	2.6	U	2.6	0.17
179601-23-1	m,p-Xylene	106.17	6.5	U	6.5	0.30
95-47-6	Xylene, o-	106.17	2.6	U	2.6	0.21
1330-20-7	Xylene (total)	106.17	2.6	U	2.6	0.44
100-42-5	Styrene	104.15	2.6	U	2.6	0.23
75-25-2	Bromoform	252.75	2.6	U	2.6	0.13
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.6	U	2.6	0.21
103-65-1	n-Propylbenzene	120.19	2.6	U	2.6	1.0
622-96-8	4-Ethyltoluene	120.20	2.6	U	2.6	0.23
108-67-8	1,3,5-Trimethylbenzene	120.20	2.6	U	2.6	0.16
95-49-8	2-Chlorotoluene	126.59	2.6	U	2.6	0.17
98-06-6	tert-Butylbenzene	134.22	2.6	U	2.6	0.22
95-63-6	1,2,4-Trimethylbenzene	120.20	2.6	U	2.6	0.18
135-98-8	sec-Butylbenzene	134.22	2.6	U	2.6	1.0
99-87-6	4-Isopropyltoluene	134.22	2.6	U	2.6	1.0
541-73-1	1,3-Dichlorobenzene	147.00	2.6	U	2.6	0.18
106-46-7	1,4-Dichlorobenzene	147.00	2.6	U	2.6	0.18
100-44-7	Benzyl chloride	126.58	2.6	U	2.6	1.0
104-51-8	n-Butylbenzene	134.22	2.6	U	2.6	1.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-5B Lab Sample ID: 200-20955-13

Matrix: Air Lab File ID: 6267_023.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:14

Sample wt/vol: 24(mL) Date Analyzed: 02/22/2014 04:38

Soil Aliquot Vol: Dilution Factor: 13

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	2.6	U	2.6	0.18
120-82-1	1,2,4-Trichlorobenzene	181.45	6.5	U	6.5	0.35
87-68-3	Hexachloro-1,3-butadiene	260.76	2.6	U	2.6	0.29
91-20-3	Naphthalene	128.17	6.5	U	6.5	2.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-5B Lab Sample ID: 200-20955-13

Matrix: Air Lab File ID: 6267_023.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:14

Sample wt/vol: 24(mL) Date Analyzed: 02/22/2014 04:38

Soil Aliquot Vol: Dilution Factor: 13

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	32	U	32	1.9
75-45-6	Freon 22	86.47	8.5	J	23	2.2
76-14-2	Freon-114	170.92	18	U	18	3.2
74-87-3	Chloromethane	50.49	13	U	13	3.7
106-97-8	n-Butane	58.12	15	U	15	8.7
75-01-4	Vinyl chloride	62.50	1.3	U	1.3	1.3
106-99-0	1,3-Butadiene	54.09	5.8	U	5.8	1.2
74-83-9	Bromomethane	94.94	10	U	10	1.4
75-00-3	Chloroethane	64.52	17	U	17	1.0
593-60-2	Vinyl bromide	106.96	11	U	11	1.7
75-69-4	Freon 11	137.37	15	U	15	2.2
76-13-1	Freon 113	187.38	20	U	20	1.8
75-35-4	1,1-Dichloroethene	96.94	10	U	10	1.2
67-64-1	Acetone	58.08	150	U	150	39
67-63-0	Isopropyl alcohol	60.10	740		160	6.9
75-15-0	Carbon disulfide	76.14	20	U	20	2.7
107-05-1	Allyl chloride	76.53	20	U	20	1.4
75-09-2	Methylene Chloride	84.93	1500		23	5.6
75-65-0	tert-Butyl alcohol	74.12	200	U	200	13
1634-04-4	Methyl tert-butyl ether	88.15	9.4	U	9.4	1.0
156-60-5	trans-1,2-Dichloroethene	96.94	10	U	10	1.5
110-54-3	Hexane	86.17	9.2	U	9.2	1.6
75-34-3	1,1-Dichloroethane	98.96	11	U	11	2.0
78-93-3	Methyl Ethyl Ketone	72.11	19	U	19	9.3
156-59-2	cis-1,2-Dichloroethene	96.94	10	U	10	2.0
540-59-0	1,2-Dichloroethene, Total	96.94	10	U	10	3.3
67-66-3	Chloroform	119.38	13	U	13	1.6
109-99-9	Tetrahydrofuran	72.11	19	J	190	1.8
71-55-6	1,1,1-Trichloroethane	133.41	14	U	14	1.5
110-82-7	Cyclohexane	84.16	8.3	J	8.9	1.1
56-23-5	Carbon tetrachloride	153.81	3.3	U	3.3	1.7
540-84-1	2,2,4-Trimethylpentane	114.23	12	U	12	1.6
71-43-2	Benzene	78.11	8.3	U	8.3	0.79
107-06-2	1,2-Dichloroethane	98.96	11	U	11	0.89
142-82-5	Heptane	100.21	11	U	11	2.5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-5B Lab Sample ID: 200-20955-13

Matrix: Air Lab File ID: 6267_023.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:14

Sample wt/vol: 24(mL) Date Analyzed: 02/22/2014 04:38

Soil Aliquot Vol: Dilution Factor: 13

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.8	U	2.8	1.7
80-62-6	Methyl methacrylate	100.12	27	U	27	1.6
78-87-5	1,2-Dichloropropane	112.99	12	U	12	1.9
123-91-1	1,4-Dioxane	88.11	230	U	230	9.4
75-27-4	Bromodichloromethane	163.83	17	U	17	1.5
10061-01-5	cis-1,3-Dichloropropene	110.97	12	U	12	1.7
108-10-1	methyl isobutyl ketone	100.16	27	U	27	1.4
108-88-3	Toluene	92.14	5.4	J	9.8	0.83
10061-02-6	trans-1,3-Dichloropropene	110.97	12	U	12	1.3
79-00-5	1,1,2-Trichloroethane	133.41	14	U	14	1.2
127-18-4	Tetrachloroethene	165.83	18	U	18	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	27	U	27	11
124-48-1	Dibromochloromethane	208.29	22	U	22	2.2
106-93-4	1,2-Dibromoethane	187.87	20	U	20	2.0
108-90-7	Chlorobenzene	112.56	12	U	12	0.48
100-41-4	Ethylbenzene	106.17	11	U	11	0.73
179601-23-1	m,p-Xylene	106.17	28	U	28	1.3
95-47-6	Xylene, o-	106.17	11	U	11	0.90
1330-20-7	Xylene (total)	106.17	11	U	11	1.9
100-42-5	Styrene	104.15	11	U	11	1.0
75-25-2	Bromoform	252.75	27	U	27	1.3
79-34-5	1,1,2,2-Tetrachloroethane	167.85	18	U	18	1.4
103-65-1	n-Propylbenzene	120.19	13	U	13	5.1
622-96-8	4-Ethyltoluene	120.20	13	U	13	1.2
108-67-8	1,3,5-Trimethylbenzene	120.20	13	U	13	0.77
95-49-8	2-Chlorotoluene	126.59	13	U	13	0.87
98-06-6	tert-Butylbenzene	134.22	14	U	14	1.2
95-63-6	1,2,4-Trimethylbenzene	120.20	13	U	13	0.89
135-98-8	sec-Butylbenzene	134.22	14	U	14	5.7
99-87-6	4-Isopropyltoluene	134.22	14	U	14	5.7
541-73-1	1,3-Dichlorobenzene	147.00	16	U	16	1.1
106-46-7	1,4-Dichlorobenzene	147.00	16	U	16	1.1
100-44-7	Benzyl chloride	126.58	13	U	13	5.4
104-51-8	n-Butylbenzene	134.22	14	U	14	5.7

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-5B Lab Sample ID: 200-20955-13

Matrix: Air Lab File ID: 6267_023.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:14

Sample wt/vol: 24(mL) Date Analyzed: 02/22/2014 04:38

Soil Aliquot Vol: Dilution Factor: 13

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	16	U	16	1.1
120-82-1	1,2,4-Trichlorobenzene	181.45	48	U	48	2.6
87-68-3	Hexachloro-1,3-butadiene	260.76	28	U	28	3.1
91-20-3	Naphthalene	128.17	34	U	34	14

Report Date: 24-Feb-2014 11:38:45 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_023.D
Lims ID: 200-20955-A-13 Lab Sample ID: 200-20955-13
Client ID: IA-VMP-5B
Sample Type: Client
Inject. Date: 22-Feb-2014 04:38:30 ALS Bottle#: 20 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 13.0000
Sample Info: 200-0006267-023
Misc. Info.: 20955-13
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:38:08 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: lyonsb Date: 24-Feb-2014 10:48:38

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85		3.127					
	6 Chlorodifluoromethane	51	3.181	3.181	0.001	87	14557	0.1841	
	7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.405					
	8 Chloromethane	50		3.539					
	9 Butane	43		3.758					
	10 Vinyl chloride	62		3.796					
	11 Butadiene	54		3.876					
	12 Bromomethane	94		4.577					
	14 Chloroethane	64		4.828					
	16 Vinyl bromide	106		5.229					
	17 Trichlorofluoromethane	101		5.347					
	23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.476					
	24 1,1-Dichloroethene	96		6.497					
	25 Acetone	43		6.717					
	26 Carbon disulfide	76		6.883					
	27 Isopropyl alcohol	45	7.038	7.038	0.0	98	1104267	23.3	
	29 3-Chloro-1-propene	41		7.300					
	31 Methylene Chloride	49	7.594	7.599	-0.005	80	1524793	32.2	
	32 2-Methyl-2-propanol	59		7.835					
	33 Methyl tert-butyl ether	73		8.038					
	34 trans-1,2-Dichloroethene	61		8.059					
	36 Hexane	57		8.493					
	37 1,1-Dichloroethane	63		8.947					
	39 cis-1,2-Dichloroethene	96		10.087					
	40 2-Butanone (MEK)	72		10.135					
S	41 1,2-Dichloroethene, Total	61		10.200					
*	43 Chlorobromomethane	128	10.558	10.563	-0.005	68	669630	10.0	
	44 Tetrahydrofuran	42	10.579	10.579	0.0	84	23074	0.5084	
	45 Chloroform	83		10.702					
	46 Cyclohexane	84	10.991	10.991	0.0	67	17639	0.1852	
	47 1,1,1-Trichloroethane	97		11.002					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	48	Carbon tetrachloride	117		11.269					
	50	Benzene	78		11.740					
	51	Isooctane	57		11.761					
	52	1,2-Dichloroethane	62		11.911					
	53	n-Heptane	43		12.168					
*	54	1,4-Difluorobenzene	114	12.618	12.623	-0.005	91	3815744	10.0	
	56	Trichloroethene	95		13.110					
	58	1,2-Dichloropropane	63		13.682					
	59	Methyl methacrylate	69		13.880					
	60	1,4-Dioxane	88		13.917					
	62	Dichlorobromomethane	83		14.249					
	64	cis-1,3-Dichloropropene	75		15.228					
	65	4-Methyl-2-pentanone (MIBK)	43		15.528					
	66	Toluene	92	15.843	15.849	-0.006	91	29251	0.1100	
	70	trans-1,3-Dichloropropene	75		16.437					
	71	1,1,2-Trichloroethane	83		16.812					
	72	Tetrachloroethene	166		16.961					
	73	2-Hexanone	43		17.282					
	74	Chlorodibromomethane	129		17.587					
	75	Ethylene Dibromide	107		17.860					
*	76	Chlorobenzene-d5	117	18.780	18.786	-0.006	81	3629925	10.0	
	77	Chlorobenzene	112		18.844					
	78	Ethylbenzene	91		19.016					
	80	m-Xylene & p-Xylene	106		19.272					
S	82	Xylenes, Total	106		20.100					
	83	o-Xylene	106		20.102					
	84	Styrene	104		20.144					
	85	Bromoform	173		20.530					
$	87	4-Bromofluorobenzene	95	21.107	21.107	0.0	99	1731005	NC	
	88	1,1,2,2-Tetrachloroethane	83		21.364					
	90	N-Propylbenzene	91		21.471					
	92	2-Chlorotoluene	91		21.653					
	91	4-Ethyltoluene	105		21.653					
	94	1,3,5-Trimethylbenzene	105		21.760					
	96	tert-Butylbenzene	119		22.242					
	97	1,2,4-Trimethylbenzene	105		22.332					
	98	sec-Butylbenzene	105		22.562					
	99	4-Isopropyltoluene	119		22.760					
	100	1,3-Dichlorobenzene	146		22.776					
	101	1,4-Dichlorobenzene	146		22.910					
	102	Benzyl chloride	91		23.103					
	103	n-Butylbenzene	91		23.338					
	105	1,2-Dichlorobenzene	146		23.451					
	107	1,2,4-Trichlorobenzene	180		26.013					
	108	Hexachlorobutadiene	225		26.227					
	109	Naphthalene	128		26.505					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

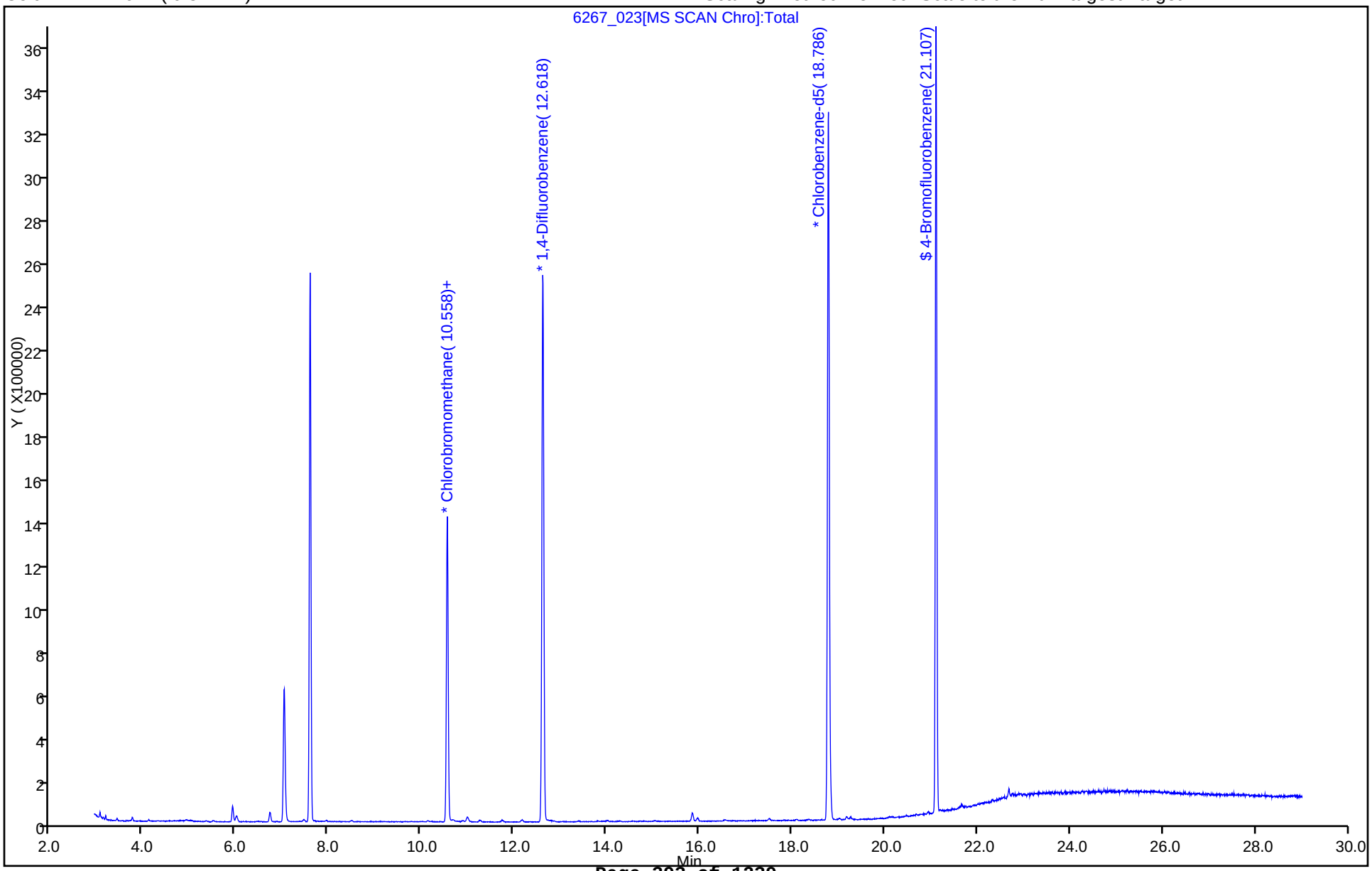
Report Date: 24-Feb-2014 11:38:45 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_023.D

Injection Date:	22-Feb-2014 04:38:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	200-20955-A-13	Lab Sample ID:	200-20955-13	Worklist Smp#:	23
Client ID:	IA-VMP-5B				
Purge Vol:	200.000 mL	Dil. Factor:	13.0000	ALS Bottle#:	20
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



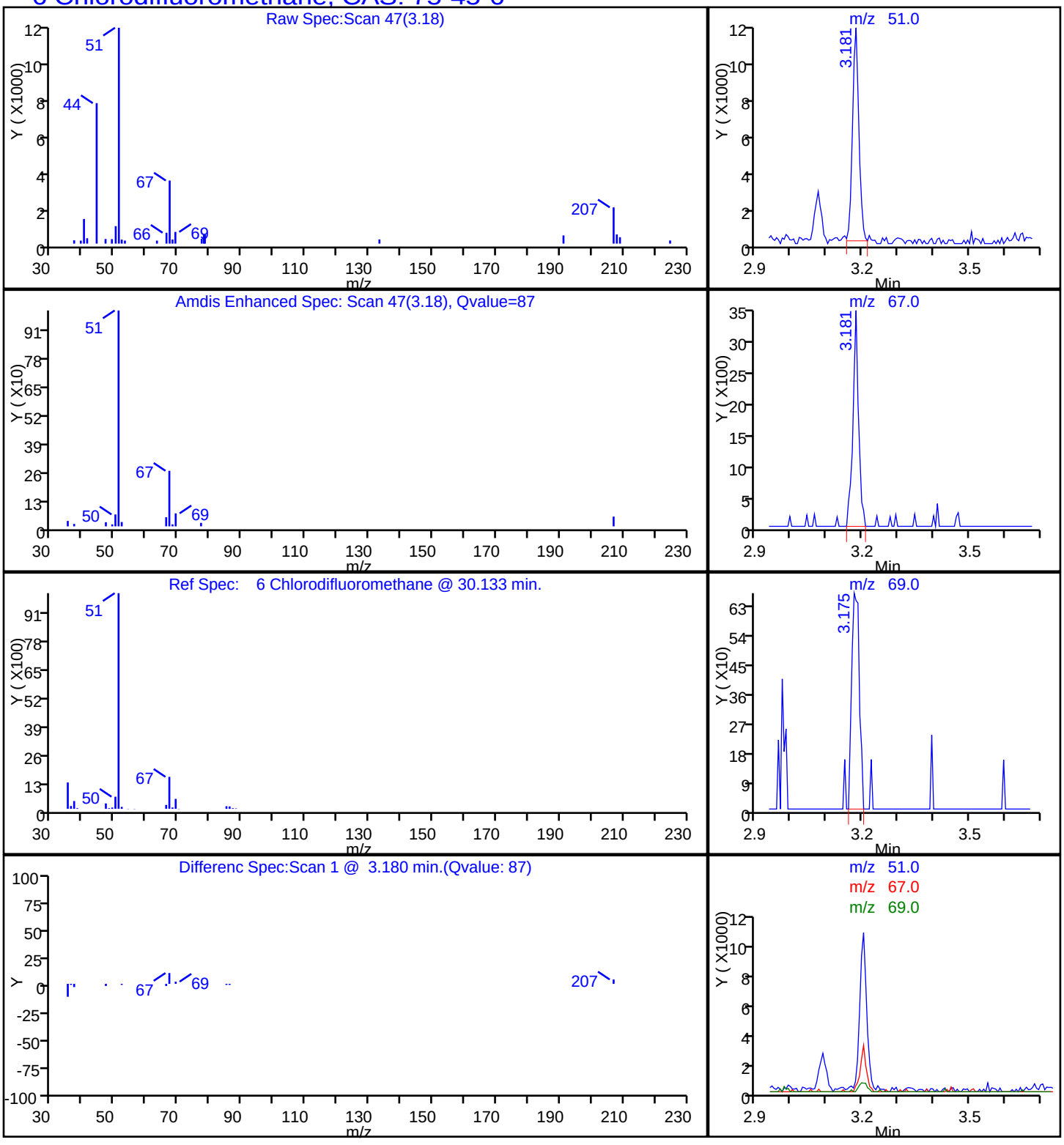
Report Date: 24-Feb-2014 11:38:45 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_023.D

Injection Date:	22-Feb-2014 04:38:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-13	Lab Sample ID:	200-20955-13		
Client ID:	IA-VMP-5B				
Operator ID:	bl	ALS Bottle#:	20	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	13.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



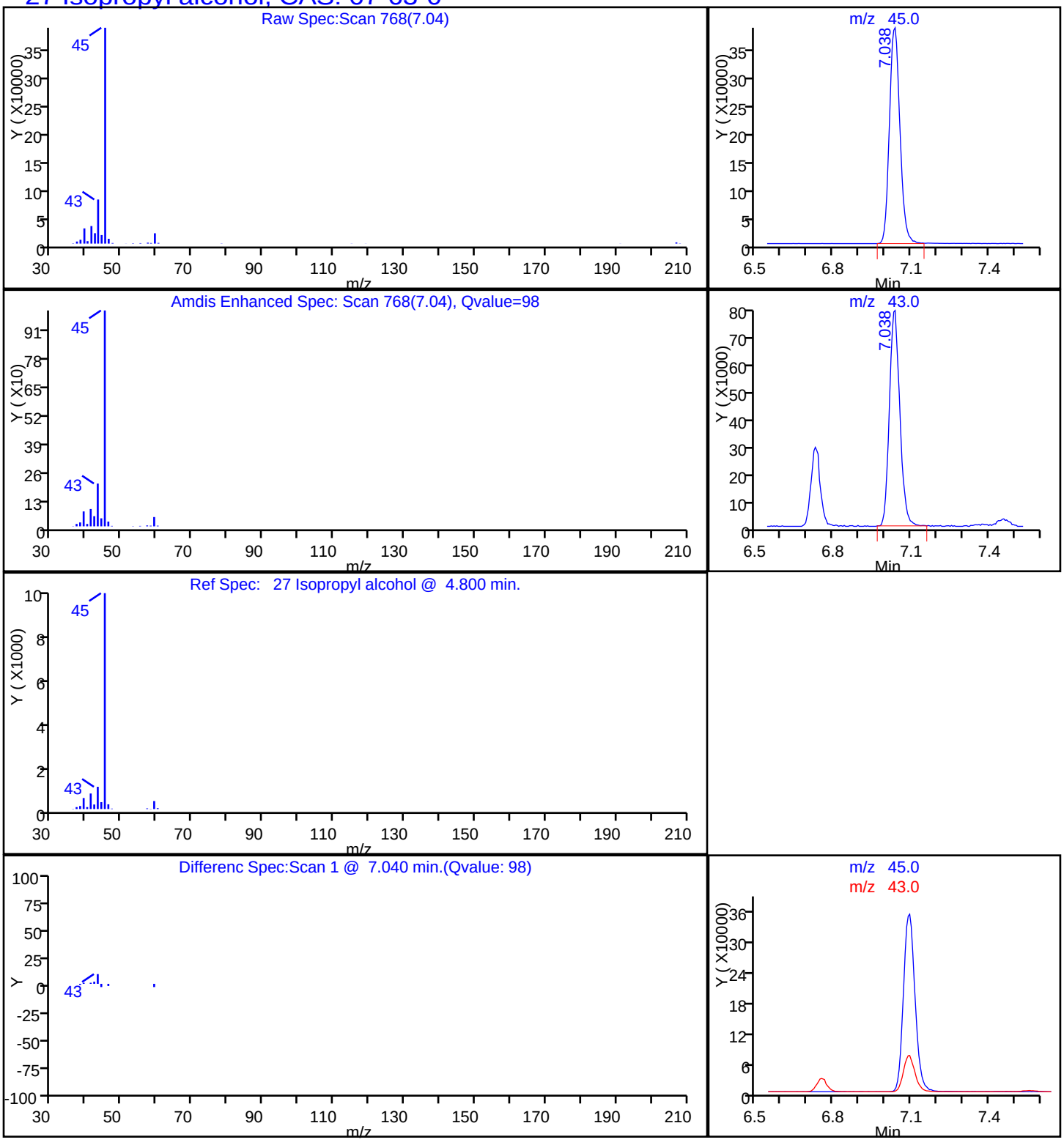
Report Date: 24-Feb-2014 11:38:45 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_023.D

Injection Date:	22-Feb-2014 04:38:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-13	Lab Sample ID:	200-20955-13		
Client ID:	IA-VMP-5B				
Operator ID:	bl	ALS Bottle#:	20	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	13.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



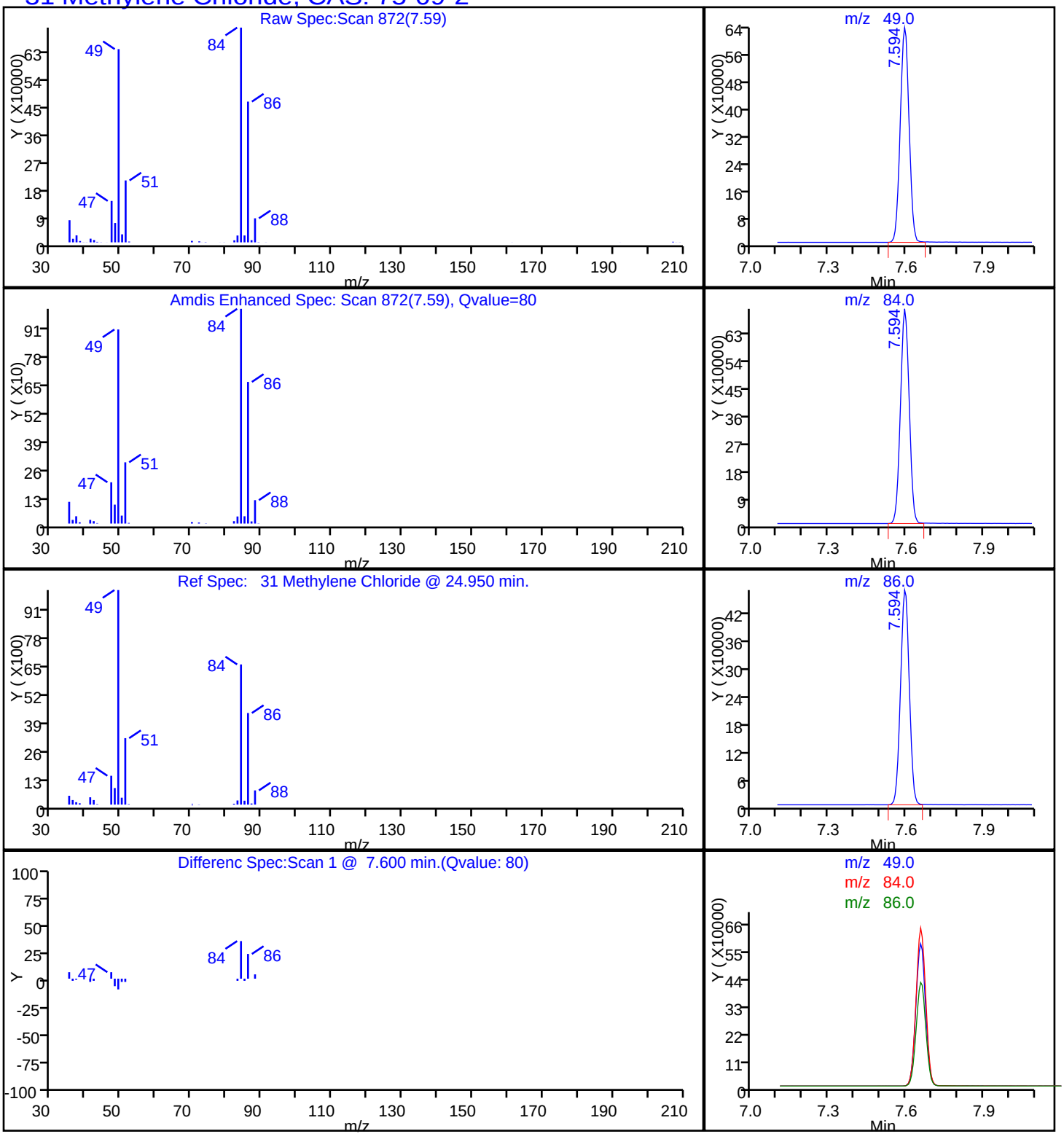
Report Date: 24-Feb-2014 11:38:45 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_023.D

Injection Date:	22-Feb-2014 04:38:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-13	Lab Sample ID:	200-20955-13		
Client ID:	IA-VMP-5B				
Operator ID:	bl	ALS Bottle#:	20	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	13.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



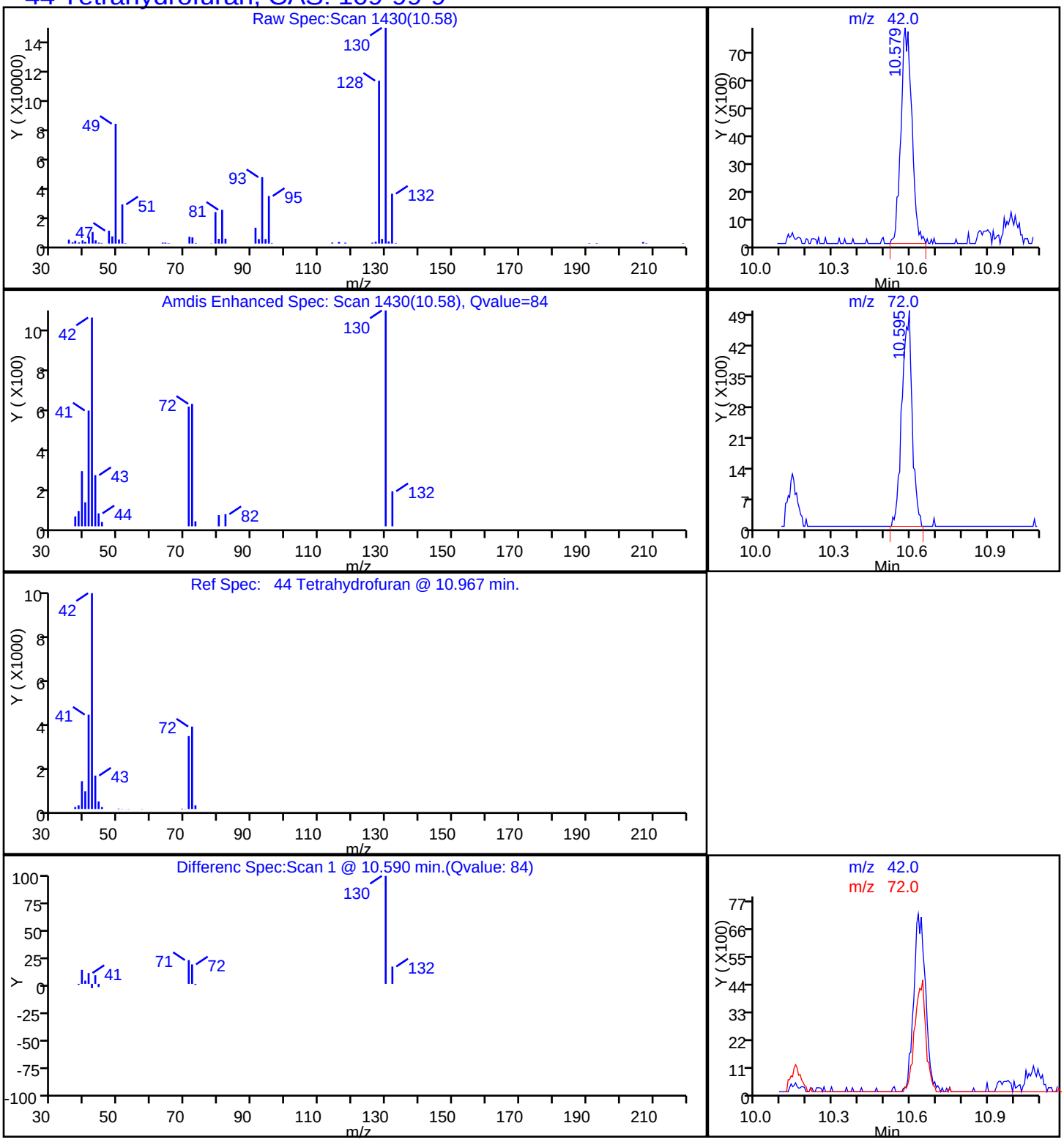
Report Date: 24-Feb-2014 11:38:45 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_023.D

Injection Date:	22-Feb-2014 04:38:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-13	Lab Sample ID:	200-20955-13		
Client ID:	IA-VMP-5B				
Operator ID:	bl	ALS Bottle#:	20	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	13.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Tetrahydrofuran, CAS: 109-99-9



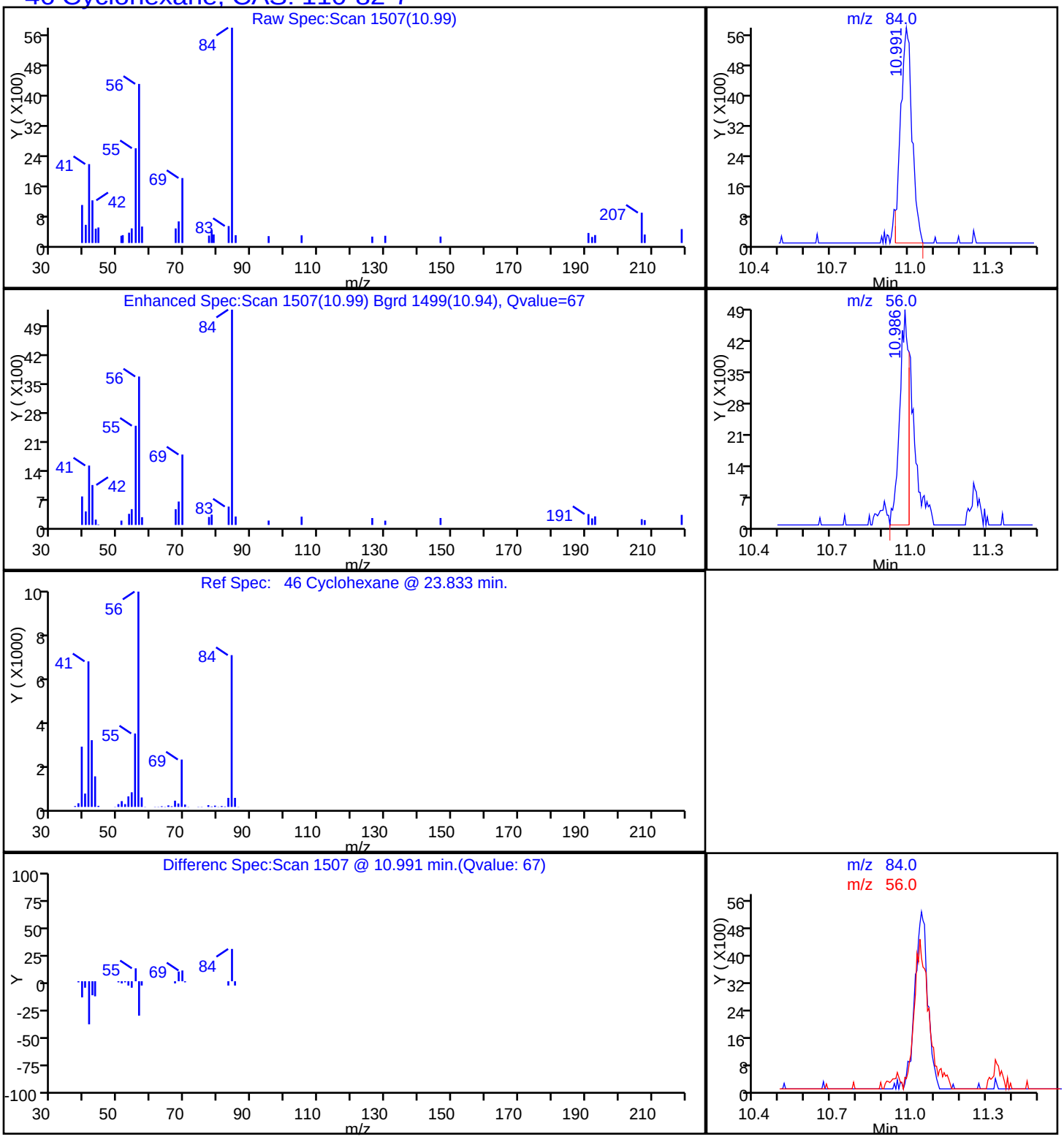
Report Date: 24-Feb-2014 11:38:45 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_023.D

Injection Date:	22-Feb-2014 04:38:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-13	Lab Sample ID:	200-20955-13		
Client ID:	IA-VMP-5B				
Operator ID:	bl	ALS Bottle#:	20	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	13.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



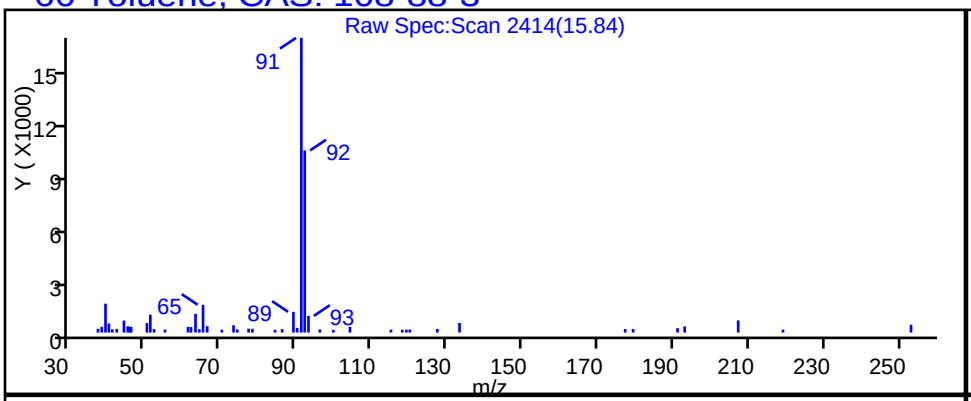
Report Date: 24-Feb-2014 11:38:45 Chrom Revision: 2.2 06-Feb-2014 15:19:06

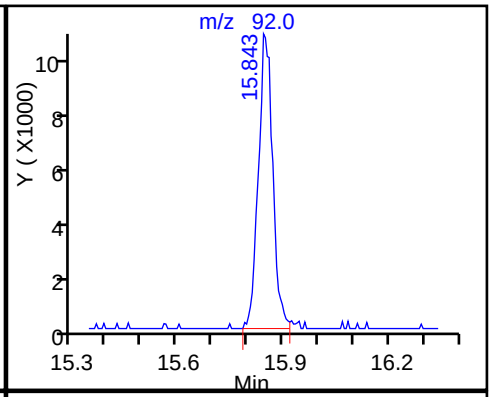
TestAmerica Burlington

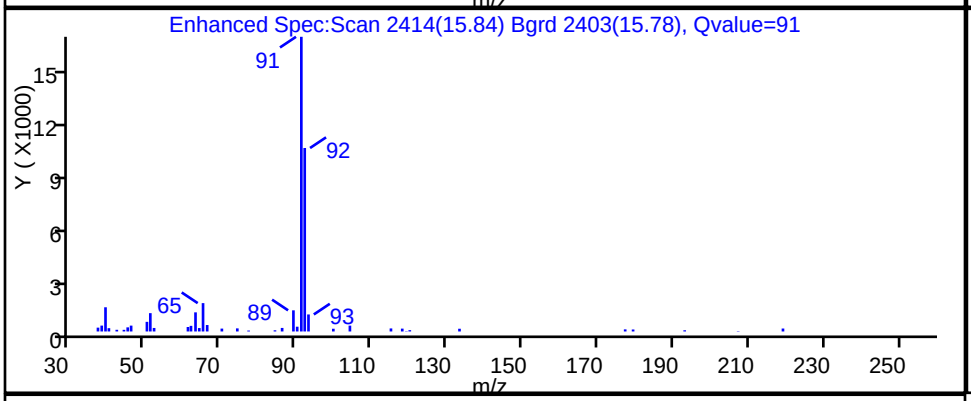
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_023.D

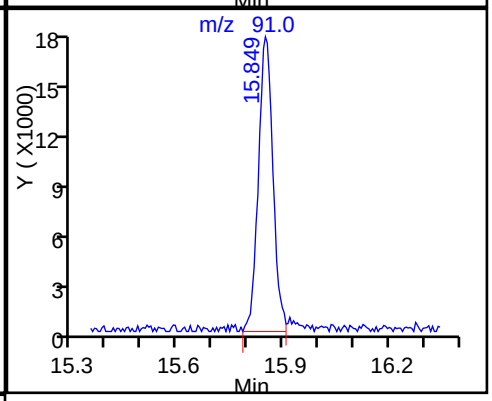
Injection Date:	22-Feb-2014 04:38:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-13	Lab Sample ID:	200-20955-13		
Client ID:	IA-VMP-5B				
Operator ID:	bl	ALS Bottle#:	20	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	13.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

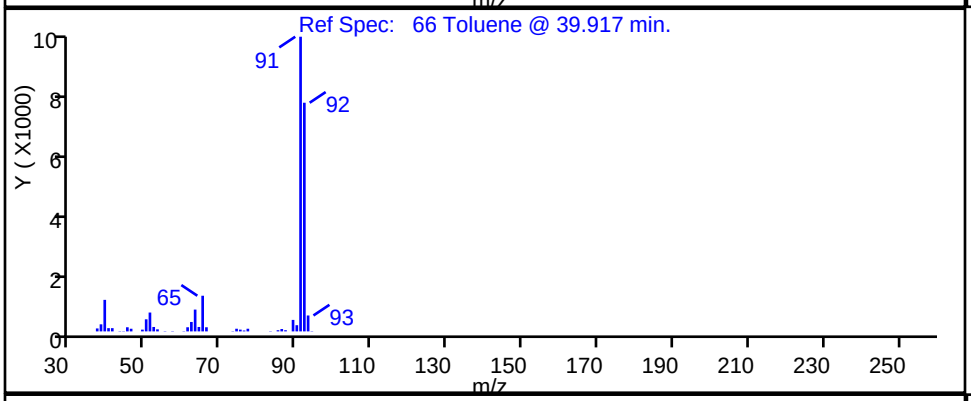
66 Toluene, CAS: 108-88-3

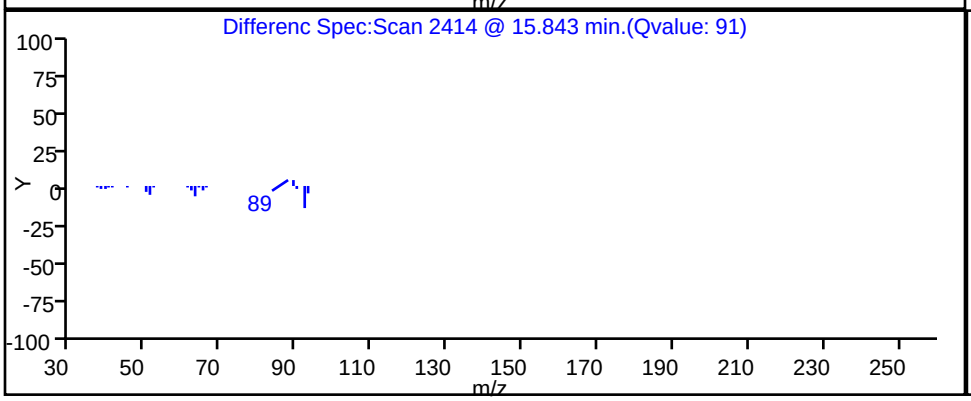


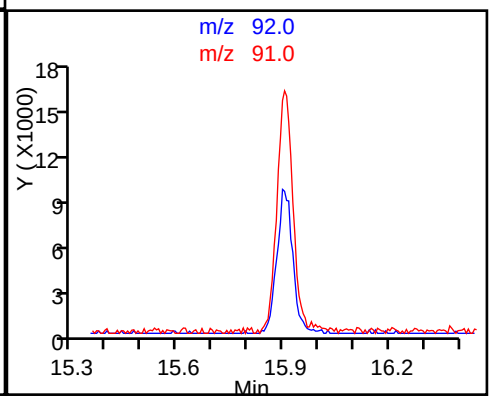












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-6A Lab Sample ID: 200-20955-15

Matrix: Air Lab File ID: 6267_025.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:52

Sample wt/vol: 36(mL) Date Analyzed: 02/22/2014 06:11

Soil Aliquot Vol: Dilution Factor: 14.8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	7.4	U	7.4	0.44
75-45-6	Freon 22	86.47	7.4	U	7.4	0.71
76-14-2	Freon-114	170.92	3.0	U	3.0	0.52
74-87-3	Chloromethane	50.49	7.4	U	7.4	2.0
106-97-8	n-Butane	58.12	7.4	U	7.4	4.2
75-01-4	Vinyl chloride	62.50	0.59	U	0.59	0.56
106-99-0	1,3-Butadiene	54.09	3.0	U	3.0	0.62
74-83-9	Bromomethane	94.94	3.0	U	3.0	0.41
75-00-3	Chloroethane	64.52	7.4	U	7.4	0.44
593-60-2	Vinyl bromide	106.96	3.0	U	3.0	0.44
75-69-4	Freon 11	137.37	3.0	U	3.0	0.44
76-13-1	Freon 113	187.38	3.0	U	3.0	0.27
75-35-4	1,1-Dichloroethene	96.94	3.0	U	3.0	0.36
67-64-1	Acetone	58.08	74	U	74	19
67-63-0	Isopropyl alcohol	60.10	430		74	3.2
75-15-0	Carbon disulfide	76.14	7.4	U	7.4	0.98
107-05-1	Allyl chloride	76.53	7.4	U	7.4	0.50
75-09-2	Methylene Chloride	84.93	320		7.4	1.9
75-65-0	tert-Butyl alcohol	74.12	74	U	74	4.9
1634-04-4	Methyl tert-butyl ether	88.15	3.0	U	3.0	0.33
156-60-5	trans-1,2-Dichloroethene	96.94	3.0	U	3.0	0.43
110-54-3	Hexane	86.17	3.0	U	3.0	0.50
75-34-3	1,1-Dichloroethane	98.96	3.0	U	3.0	0.56
78-93-3	Methyl Ethyl Ketone	72.11	7.4	U	7.4	3.6
156-59-2	cis-1,2-Dichloroethene	96.94	3.0	U	3.0	0.56
540-59-0	1,2-Dichloroethene, Total	96.94	3.0	U	3.0	0.95
67-66-3	Chloroform	119.38	3.0	U	3.0	0.37
109-99-9	Tetrahydrofuran	72.11	19	J	74	0.68
71-55-6	1,1,1-Trichloroethane	133.41	3.0	U	3.0	0.31
110-82-7	Cyclohexane	84.16	3.3		3.0	0.37
56-23-5	Carbon tetrachloride	153.81	0.59	U	0.59	0.31
540-84-1	2,2,4-Trimethylpentane	114.23	3.0	U	3.0	0.40
71-43-2	Benzene	78.11	3.0	U	3.0	0.28
107-06-2	1,2-Dichloroethane	98.96	3.0	U	3.0	0.25
142-82-5	Heptane	100.21	3.0	U	3.0	0.68

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-6A Lab Sample ID: 200-20955-15

Matrix: Air Lab File ID: 6267_025.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:52

Sample wt/vol: 36(mL) Date Analyzed: 02/22/2014 06:11

Soil Aliquot Vol: Dilution Factor: 14.8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.59	U	0.59	0.36
80-62-6	Methyl methacrylate	100.12	7.4	U	7.4	0.44
78-87-5	1,2-Dichloropropane	112.99	3.0	U	3.0	0.47
123-91-1	1,4-Dioxane	88.11	74	U	74	3.0
75-27-4	Bromodichloromethane	163.83	3.0	U	3.0	0.25
10061-01-5	cis-1,3-Dichloropropene	110.97	3.0	U	3.0	0.41
108-10-1	methyl isobutyl ketone	100.16	7.4	U	7.4	0.40
108-88-3	Toluene	92.14	1.7	J	3.0	0.25
10061-02-6	trans-1,3-Dichloropropene	110.97	3.0	U	3.0	0.33
79-00-5	1,1,2-Trichloroethane	133.41	3.0	U	3.0	0.25
127-18-4	Tetrachloroethene	165.83	3.0	U	3.0	0.24
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	7.4	U	7.4	3.0
124-48-1	Dibromochloromethane	208.29	3.0	U	3.0	0.30
106-93-4	1,2-Dibromoethane	187.87	3.0	U	3.0	0.30
108-90-7	Chlorobenzene	112.56	3.0	U	3.0	0.12
100-41-4	Ethylbenzene	106.17	3.0	U	3.0	0.19
179601-23-1	m,p-Xylene	106.17	7.4	U	7.4	0.34
95-47-6	Xylene, o-	106.17	3.0	U	3.0	0.24
1330-20-7	Xylene (total)	106.17	3.0	U	3.0	0.50
100-42-5	Styrene	104.15	3.0	U	3.0	0.27
75-25-2	Bromoform	252.75	3.0	U	3.0	0.15
79-34-5	1,1,2,2-Tetrachloroethane	167.85	3.0	U	3.0	0.24
103-65-1	n-Propylbenzene	120.19	3.0	U	3.0	1.2
622-96-8	4-Ethyltoluene	120.20	3.0	U	3.0	0.27
108-67-8	1,3,5-Trimethylbenzene	120.20	3.0	U	3.0	0.18
95-49-8	2-Chlorotoluene	126.59	3.0	U	3.0	0.19
98-06-6	tert-Butylbenzene	134.22	3.0	U	3.0	0.25
95-63-6	1,2,4-Trimethylbenzene	120.20	3.0	U	3.0	0.21
135-98-8	sec-Butylbenzene	134.22	3.0	U	3.0	1.2
99-87-6	4-Isopropyltoluene	134.22	3.0	U	3.0	1.2
541-73-1	1,3-Dichlorobenzene	147.00	3.0	U	3.0	0.21
106-46-7	1,4-Dichlorobenzene	147.00	3.0	U	3.0	0.21
100-44-7	Benzyl chloride	126.58	3.0	U	3.0	1.2
104-51-8	n-Butylbenzene	134.22	3.0	U	3.0	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-6A Lab Sample ID: 200-20955-15

Matrix: Air Lab File ID: 6267_025.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:52

Sample wt/vol: 36(mL) Date Analyzed: 02/22/2014 06:11

Soil Aliquot Vol: Dilution Factor: 14.8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	3.0	U	3.0	0.21
120-82-1	1,2,4-Trichlorobenzene	181.45	7.4	U	7.4	0.40
87-68-3	Hexachloro-1,3-butadiene	260.76	3.0	U	3.0	0.33
91-20-3	Naphthalene	128.17	7.4	U	7.4	3.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-6A Lab Sample ID: 200-20955-15

Matrix: Air Lab File ID: 6267_025.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:52

Sample wt/vol: 36(mL) Date Analyzed: 02/22/2014 06:11

Soil Aliquot Vol: Dilution Factor: 14.8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	37	U	37	2.2
75-45-6	Freon 22	86.47	26	U	26	2.5
76-14-2	Freon-114	170.92	21	U	21	3.6
74-87-3	Chloromethane	50.49	15	U	15	4.2
106-97-8	n-Butane	58.12	18	U	18	9.9
75-01-4	Vinyl chloride	62.50	1.5	U	1.5	1.4
106-99-0	1,3-Butadiene	54.09	6.5	U	6.5	1.4
74-83-9	Bromomethane	94.94	11	U	11	1.6
75-00-3	Chloroethane	64.52	20	U	20	1.2
593-60-2	Vinyl bromide	106.96	13	U	13	1.9
75-69-4	Freon 11	137.37	17	U	17	2.5
76-13-1	Freon 113	187.38	23	U	23	2.0
75-35-4	1,1-Dichloroethene	96.94	12	U	12	1.4
67-64-1	Acetone	58.08	180	U	180	44
67-63-0	Isopropyl alcohol	60.10	1100		180	7.8
75-15-0	Carbon disulfide	76.14	23	U	23	3.0
107-05-1	Allyl chloride	76.53	23	U	23	1.6
75-09-2	Methylene Chloride	84.93	1100		26	6.4
75-65-0	tert-Butyl alcohol	74.12	220	U	220	15
1634-04-4	Methyl tert-butyl ether	88.15	11	U	11	1.2
156-60-5	trans-1,2-Dichloroethene	96.94	12	U	12	1.7
110-54-3	Hexane	86.17	10	U	10	1.8
75-34-3	1,1-Dichloroethane	98.96	12	U	12	2.3
78-93-3	Methyl Ethyl Ketone	72.11	22	U	22	11
156-59-2	cis-1,2-Dichloroethene	96.94	12	U	12	2.2
540-59-0	1,2-Dichloroethene, Total	96.94	12	U	12	3.8
67-66-3	Chloroform	119.38	14	U	14	1.8
109-99-9	Tetrahydrofuran	72.11	57	J	220	2.0
71-55-6	1,1,1-Trichloroethane	133.41	16	U	16	1.7
110-82-7	Cyclohexane	84.16	11		10	1.3
56-23-5	Carbon tetrachloride	153.81	3.7	U	3.7	2.0
540-84-1	2,2,4-Trimethylpentane	114.23	14	U	14	1.9
71-43-2	Benzene	78.11	9.5	U	9.5	0.90
107-06-2	1,2-Dichloroethane	98.96	12	U	12	1.0
142-82-5	Heptane	100.21	12	U	12	2.8

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-6A Lab Sample ID: 200-20955-15

Matrix: Air Lab File ID: 6267_025.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:52

Sample wt/vol: 36(mL) Date Analyzed: 02/22/2014 06:11

Soil Aliquot Vol: Dilution Factor: 14.8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	3.2	U	3.2	1.9
80-62-6	Methyl methacrylate	100.12	30	U	30	1.8
78-87-5	1,2-Dichloropropane	112.99	14	U	14	2.2
123-91-1	1,4-Dioxane	88.11	270	U	270	11
75-27-4	Bromodichloromethane	163.83	20	U	20	1.7
10061-01-5	cis-1,3-Dichloropropene	110.97	13	U	13	1.9
108-10-1	methyl isobutyl ketone	100.16	30	U	30	1.6
108-88-3	Toluene	92.14	6.3	J	11	0.95
10061-02-6	trans-1,3-Dichloropropene	110.97	13	U	13	1.5
79-00-5	1,1,2-Trichloroethane	133.41	16	U	16	1.4
127-18-4	Tetrachloroethene	165.83	20	U	20	1.6
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	30	U	30	12
124-48-1	Dibromochloromethane	208.29	25	U	25	2.5
106-93-4	1,2-Dibromoethane	187.87	23	U	23	2.3
108-90-7	Chlorobenzene	112.56	14	U	14	0.55
100-41-4	Ethylbenzene	106.17	13	U	13	0.84
179601-23-1	m,p-Xylene	106.17	32	U	32	1.5
95-47-6	Xylene, o-	106.17	13	U	13	1.0
1330-20-7	Xylene (total)	106.17	13	U	13	2.2
100-42-5	Styrene	104.15	13	U	13	1.1
75-25-2	Bromoform	252.75	31	U	31	1.5
79-34-5	1,1,2,2-Tetrachloroethane	167.85	20	U	20	1.6
103-65-1	n-Propylbenzene	120.19	15	U	15	5.8
622-96-8	4-Ethyltoluene	120.20	15	U	15	1.3
108-67-8	1,3,5-Trimethylbenzene	120.20	15	U	15	0.87
95-49-8	2-Chlorotoluene	126.59	15	U	15	1.0
98-06-6	tert-Butylbenzene	134.22	16	U	16	1.4
95-63-6	1,2,4-Trimethylbenzene	120.20	15	U	15	1.0
135-98-8	sec-Butylbenzene	134.22	16	U	16	6.5
99-87-6	4-Isopropyltoluene	134.22	16	U	16	6.5
541-73-1	1,3-Dichlorobenzene	147.00	18	U	18	1.2
106-46-7	1,4-Dichlorobenzene	147.00	18	U	18	1.2
100-44-7	Benzyl chloride	126.58	15	U	15	6.1
104-51-8	n-Butylbenzene	134.22	16	U	16	6.5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-6A Lab Sample ID: 200-20955-15

Matrix: Air Lab File ID: 6267_025.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:52

Sample wt/vol: 36(mL) Date Analyzed: 02/22/2014 06:11

Soil Aliquot Vol: Dilution Factor: 14.8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	18	U	18	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	55	U	55	3.0
87-68-3	Hexachloro-1,3-butadiene	260.76	32	U	32	3.5
91-20-3	Naphthalene	128.17	39	U	39	16

Report Date: 24-Feb-2014 11:38:47 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_025.D
Lims ID: 200-20955-A-15 Lab Sample ID: 200-20955-15
Client ID: IA-VMP-6A
Sample Type: Client
Inject. Date: 22-Feb-2014 06:11:30 ALS Bottle#: 22 Worklist Smp#: 25
Purge Vol: 200.000 mL Dil. Factor: 14.8000
Sample Info: 200-0006267-025
Misc. Info.: 20955-15
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:38:08 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: lyonsb Date: 24-Feb-2014 10:49:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		3.127					
6 Chlorodifluoromethane	51		3.181					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.405					
8 Chloromethane	50		3.539					
9 Butane	43		3.758					
10 Vinyl chloride	62		3.796					
11 Butadiene	54		3.876					
12 Bromomethane	94		4.577					
14 Chloroethane	64		4.828					
16 Vinyl bromide	106		5.229					
17 Trichlorofluoromethane	101		5.347					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.476					
24 1,1-Dichloroethene	96		6.497					
25 Acetone	43		6.717					
26 Carbon disulfide	76		6.883					
27 Isopropyl alcohol	45	7.033	7.038	-0.006	98	1387699	29.3	
29 3-Chloro-1-propene	41		7.300					
31 Methylene Chloride	49	7.594	7.599	-0.005	81	1029225	21.8	
32 2-Methyl-2-propanol	59		7.835					
33 Methyl tert-butyl ether	73		8.038					
34 trans-1,2-Dichloroethene	61		8.059					
36 Hexane	57		8.493					
37 1,1-Dichloroethane	63		8.947					
39 cis-1,2-Dichloroethene	96		10.087					
40 2-Butanone (MEK)	72		10.135					
S 41 1,2-Dichloroethene, Total	61		10.200					
* 43 Chlorobromomethane	128	10.558	10.563	-0.005	68	668908	10.0	
44 Tetrahydrofuran	42	10.585	10.579	0.006	79	59458	1.32	
45 Chloroform	83		10.702					
46 Cyclohexane	84	10.986	10.991	-0.005	67	21355	0.2254	M
47 1,1,1-Trichloroethane	97		11.002					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	48	Carbon tetrachloride	117		11.269					
	50	Benzene	78		11.740					
	51	Isooctane	57		11.761					
	52	1,2-Dichloroethane	62		11.911					
	53	n-Heptane	43		12.168					
*	54	1,4-Difluorobenzene	114	12.623	12.623	0.0	91	3796713	10.0	
	56	Trichloroethene	95		13.110					
	58	1,2-Dichloropropane	63		13.682					
	59	Methyl methacrylate	69		13.880					
	60	1,4-Dioxane	88		13.917					
	62	Dichlorobromomethane	83		14.249					
	64	cis-1,3-Dichloropropene	75		15.228					
	65	4-Methyl-2-pentanone (MIBK)	43		15.528					
	66	Toluene	92	15.854	15.849	0.005	91	29512	0.1127	
	70	trans-1,3-Dichloropropene	75		16.437					
	71	1,1,2-Trichloroethane	83		16.812					
	72	Tetrachloroethene	166		16.961					
	73	2-Hexanone	43		17.282					
	74	Chlorodibromomethane	129		17.587					
	75	Ethylene Dibromide	107		17.860					
*	76	Chlorobenzene-d5	117	18.786	18.786	0.0	81	3575711	10.0	
	77	Chlorobenzene	112		18.844					
	78	Ethylbenzene	91		19.016					
	80	m-Xylene & p-Xylene	106		19.272					
S	82	Xylenes, Total	106		20.100					
	83	o-Xylene	106		20.102					
	84	Styrene	104		20.144					
	85	Bromoform	173		20.530					
$	87	4-Bromofluorobenzene	95	21.108	21.107	0.001	98	1698755	NC	
	88	1,1,2,2-Tetrachloroethane	83		21.364					
	90	N-Propylbenzene	91		21.471					
	92	2-Chlorotoluene	91		21.653					
	91	4-Ethyltoluene	105		21.653					
	94	1,3,5-Trimethylbenzene	105		21.760					
	96	tert-Butylbenzene	119		22.242					
	97	1,2,4-Trimethylbenzene	105		22.332					
	98	sec-Butylbenzene	105		22.562					
	99	4-Isopropyltoluene	119		22.760					
	100	1,3-Dichlorobenzene	146		22.776					
	101	1,4-Dichlorobenzene	146		22.910					
	102	Benzyl chloride	91		23.103					
	103	n-Butylbenzene	91		23.338					
	105	1,2-Dichlorobenzene	146		23.451					
	107	1,2,4-Trichlorobenzene	180		26.013					
	108	Hexachlorobutadiene	225		26.227					
	109	Naphthalene	128		26.505					

QC Flag Legend

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

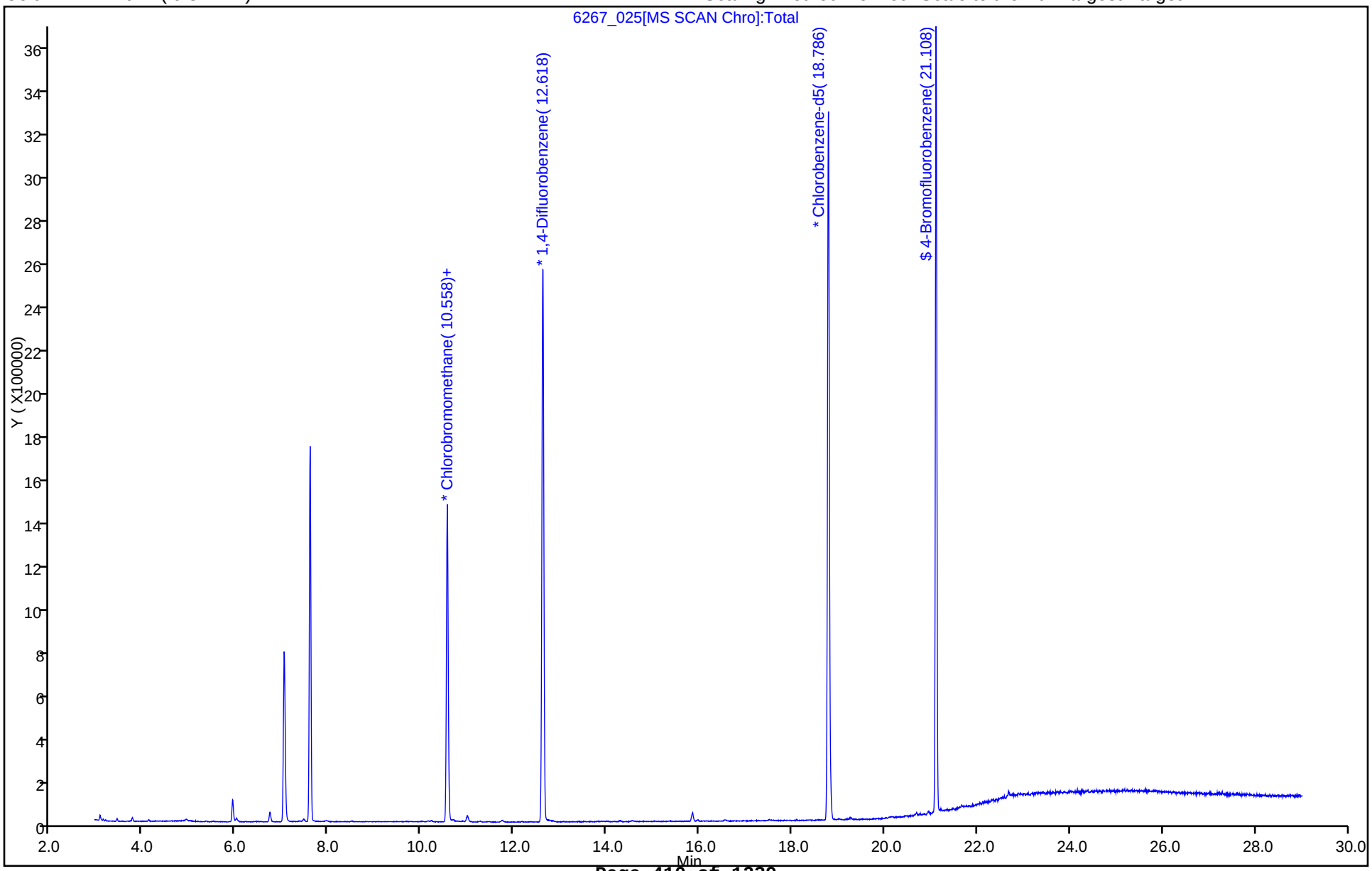
Report Date: 24-Feb-2014 11:38:47 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_025.D

Injection Date:	22-Feb-2014 06:11:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	200-20955-A-15	Lab Sample ID:	200-20955-15	Worklist Smp#:	25
Client ID:	IA-VMP-6A				
Purge Vol:	200.000 mL	Dil. Factor:	14.8000	ALS Bottle#:	22
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



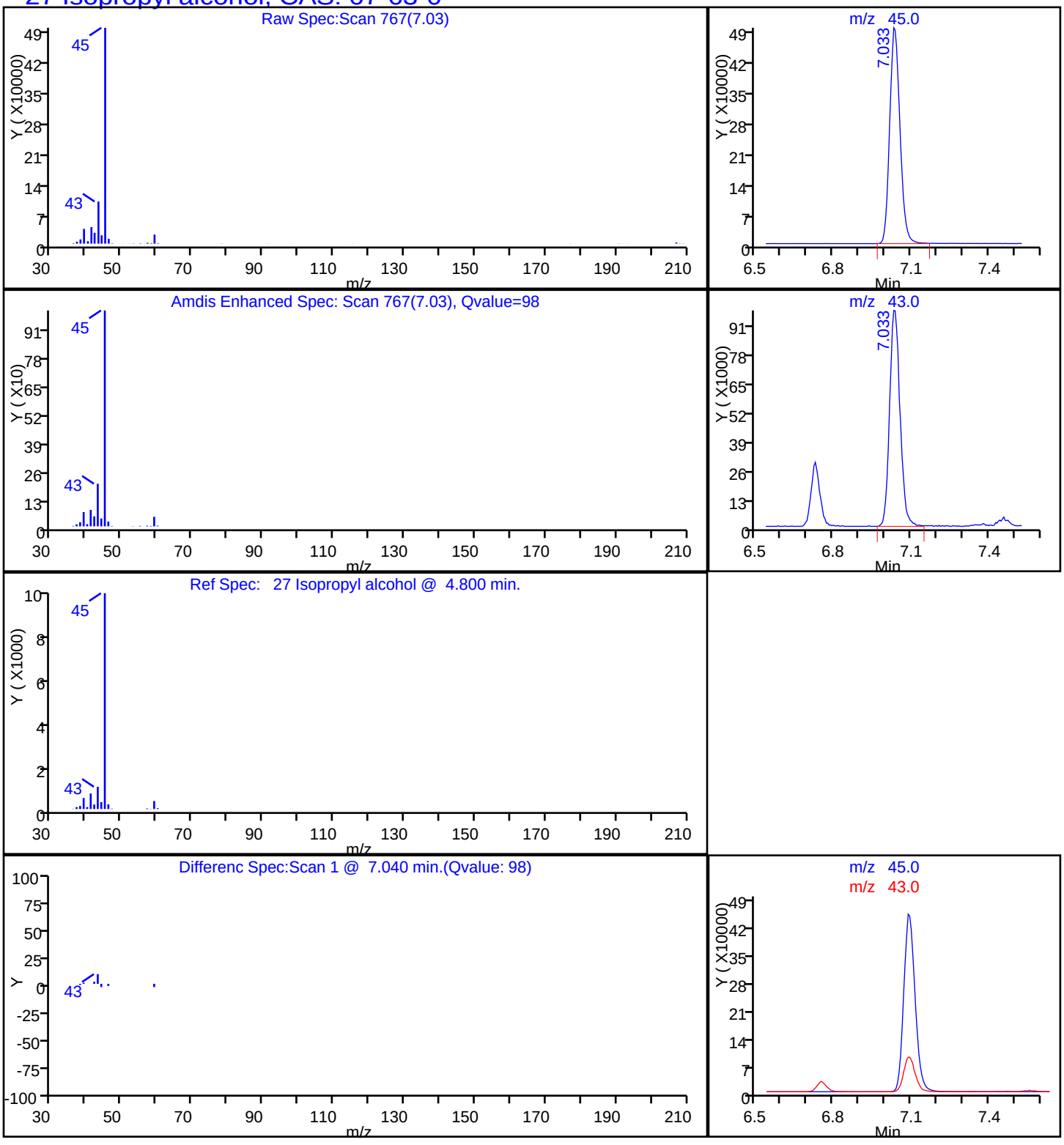
Report Date: 24-Feb-2014 11:38:47 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_025.D

Injection Date:	22-Feb-2014 06:11:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-15	Lab Sample ID:	200-20955-15		
Client ID:	IA-VMP-6A				
Operator ID:	bl	ALS Bottle#:	22	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	14.8000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



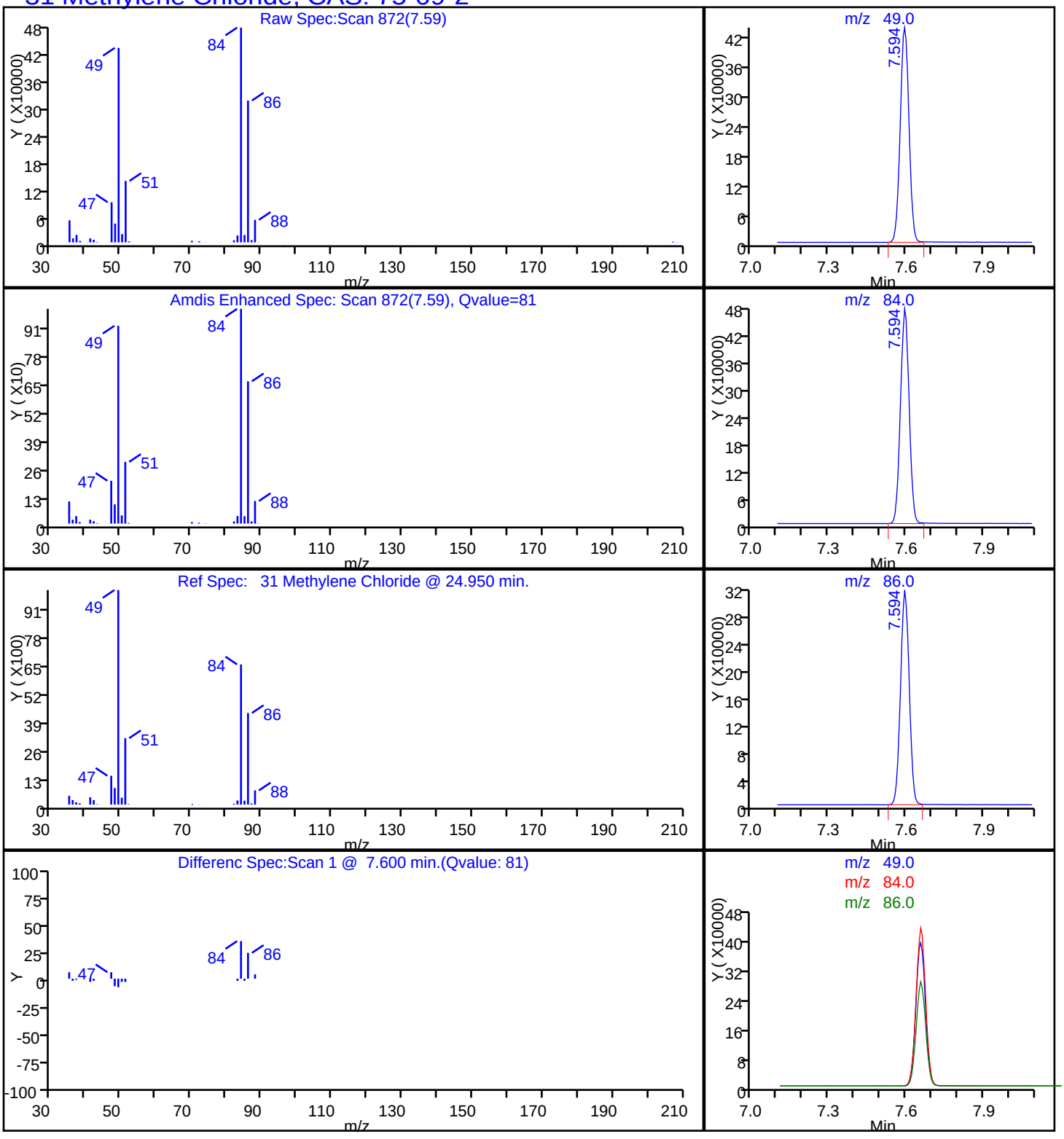
Report Date: 24-Feb-2014 11:38:47 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_025.D

Injection Date:	22-Feb-2014 06:11:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-15	Lab Sample ID:	200-20955-15		
Client ID:	IA-VMP-6A				
Operator ID:	bl	ALS Bottle#:	22	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	14.8000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



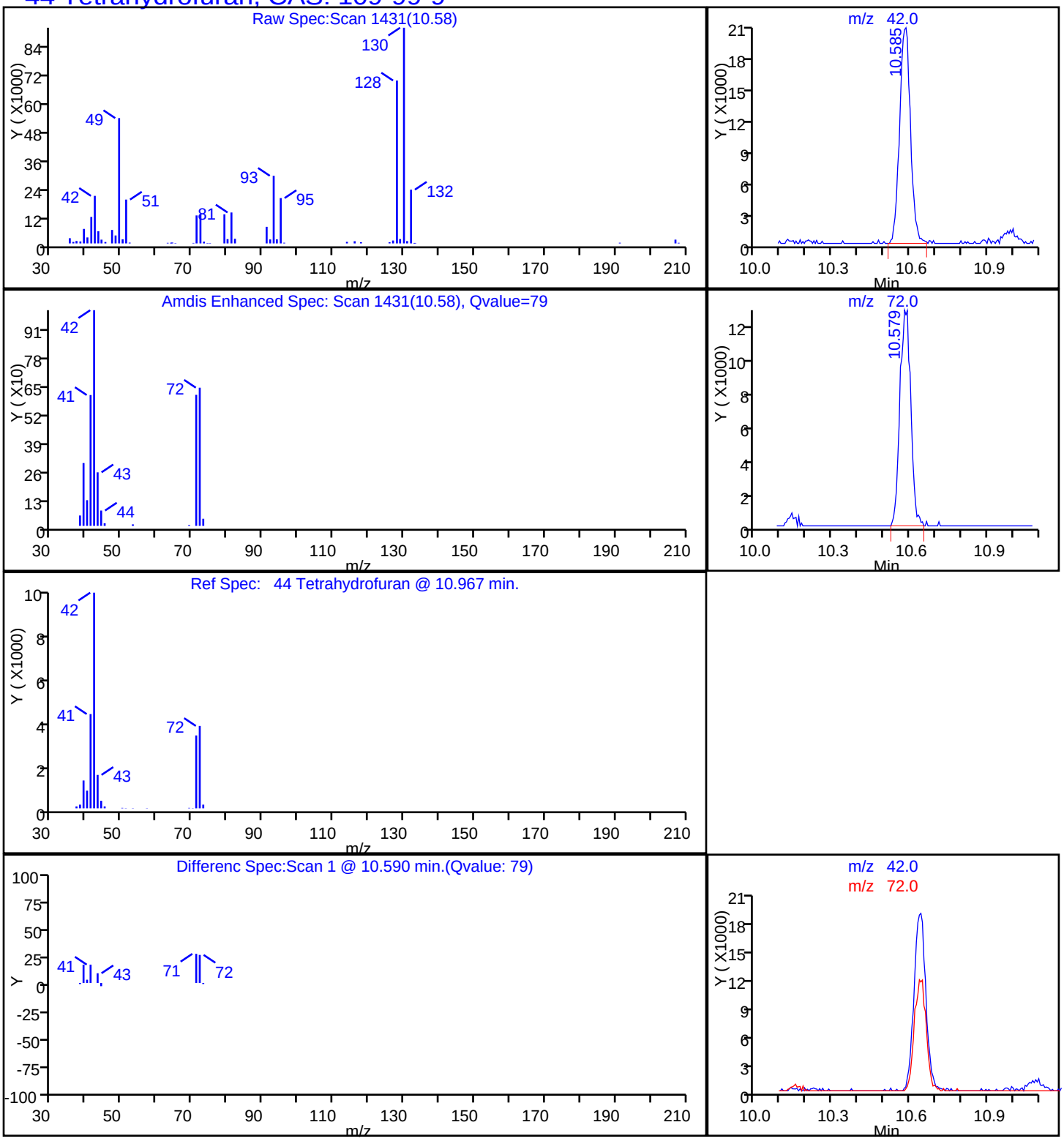
Report Date: 24-Feb-2014 11:38:47 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_025.D

Injection Date:	22-Feb-2014 06:11:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-15	Lab Sample ID:	200-20955-15		
Client ID:	IA-VMP-6A				
Operator ID:	bl	ALS Bottle#:	22	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	14.8000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Tetrahydrofuran, CAS: 109-99-9



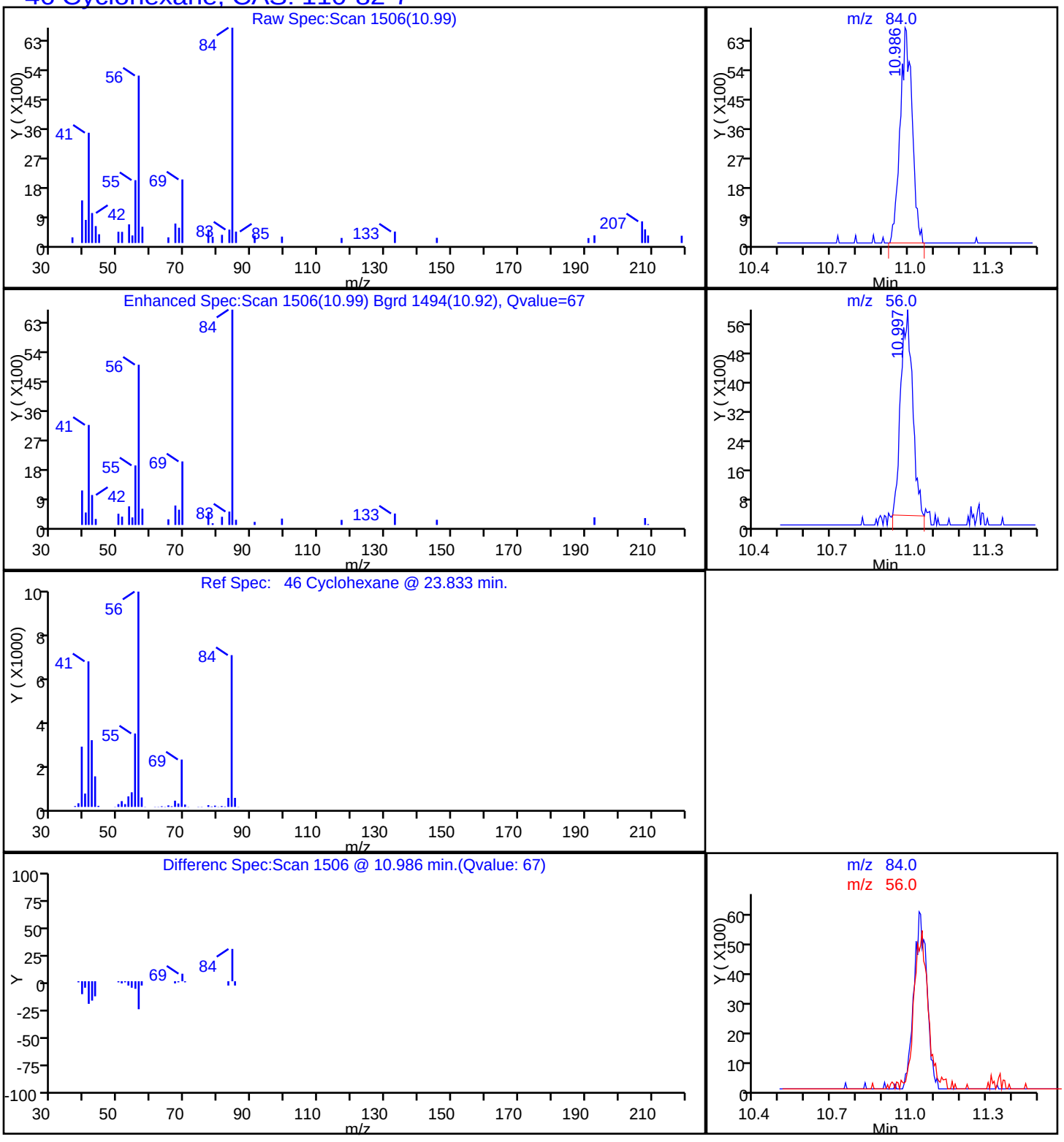
Report Date: 24-Feb-2014 11:38:47 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_025.D

Injection Date:	22-Feb-2014 06:11:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-15	Lab Sample ID:	200-20955-15		
Client ID:	IA-VMP-6A				
Operator ID:	bl	ALS Bottle#:	22	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	14.8000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



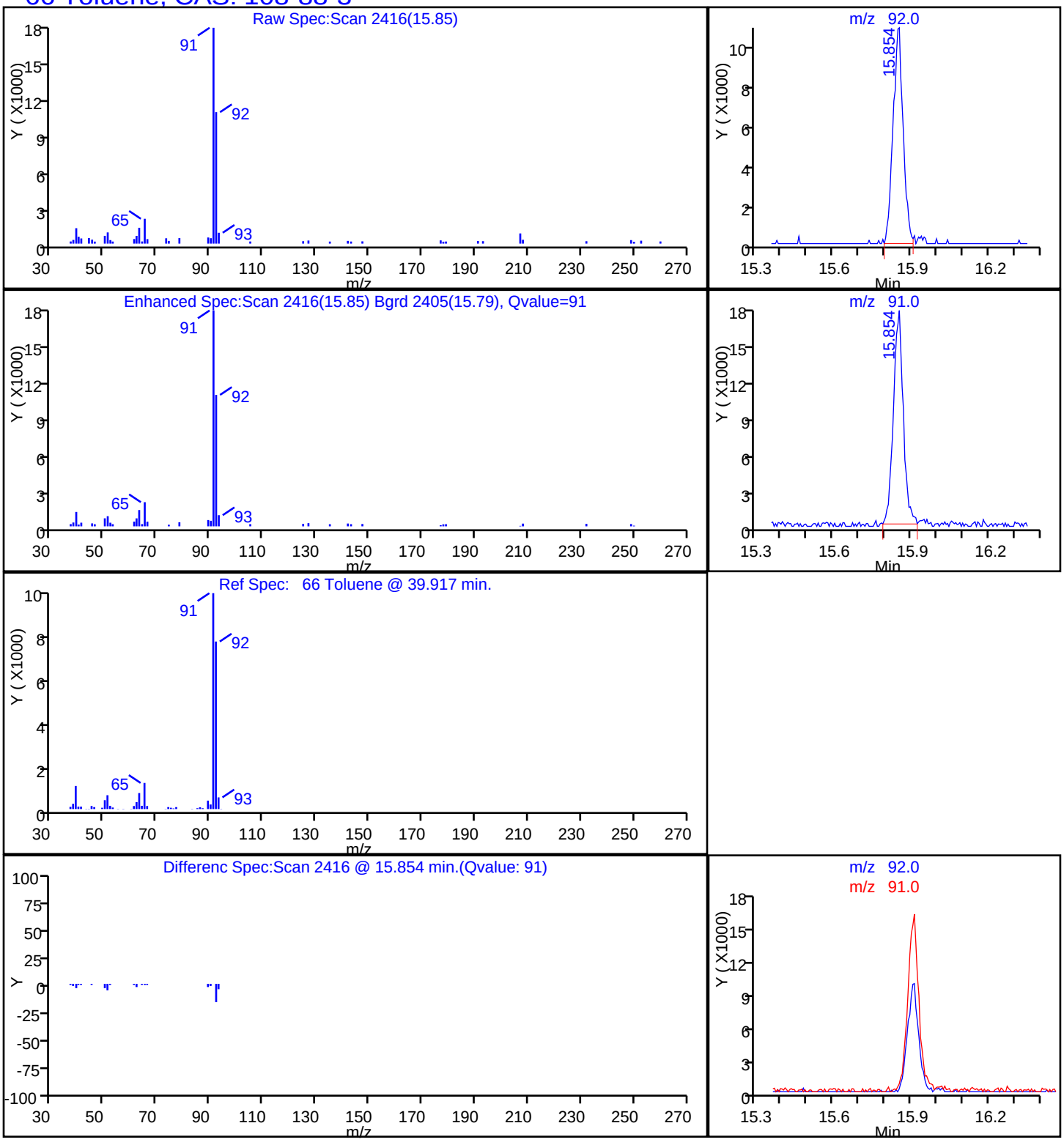
Report Date: 24-Feb-2014 11:38:47 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_025.D

Injection Date:	22-Feb-2014 06:11:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-15	Lab Sample ID:	200-20955-15		
Client ID:	IA-VMP-6A				
Operator ID:	bl	ALS Bottle#:	22	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	14.8000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



Manual Integration/User Assign Peak Report

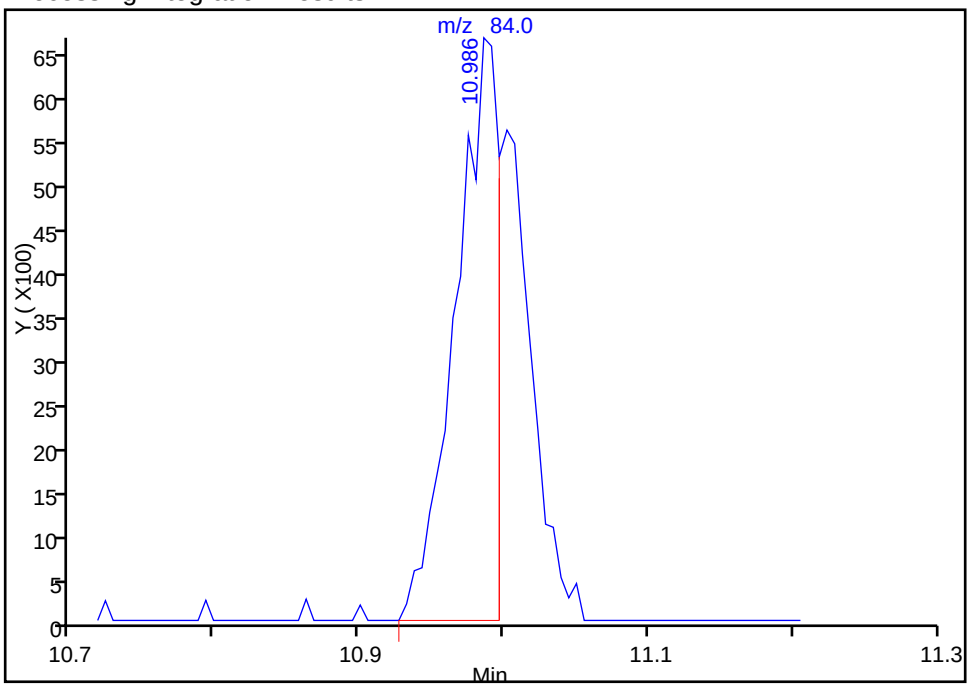
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_025.D				
Injection Date:	22-Feb-2014 06:11:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-15	Lab Sample ID:	200-20955-15		
Client ID:	IA-VMP-6A				
Operator ID:	bl	ALS Bottle#:	22	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	14.8000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

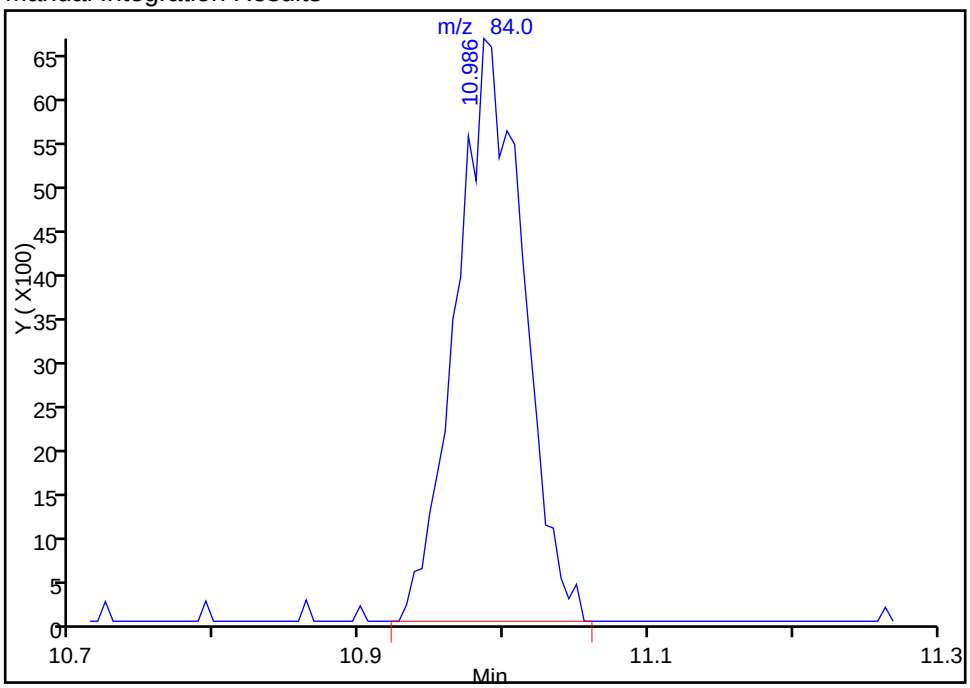
Processing Integration Results

RT: 10.99
Response: 13718
Amount: 0.144762



Manual Integration Results

RT: 10.99
Response: 21355
Amount: 0.225353



Reviewer: lyonsb, 24-Feb-2014 10:49:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

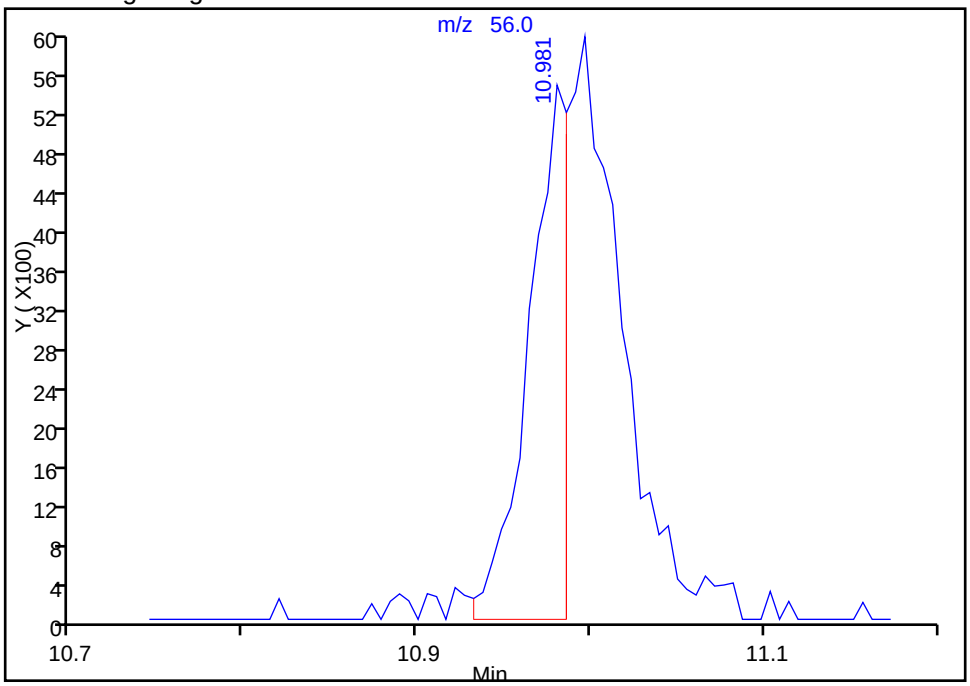
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_025.D				
Injection Date:	22-Feb-2014 06:11:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-15	Lab Sample ID:	200-20955-15		
Client ID:	IA-VMP-6A				
Operator ID:	bl	ALS Bottle#:	22	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	14.8000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

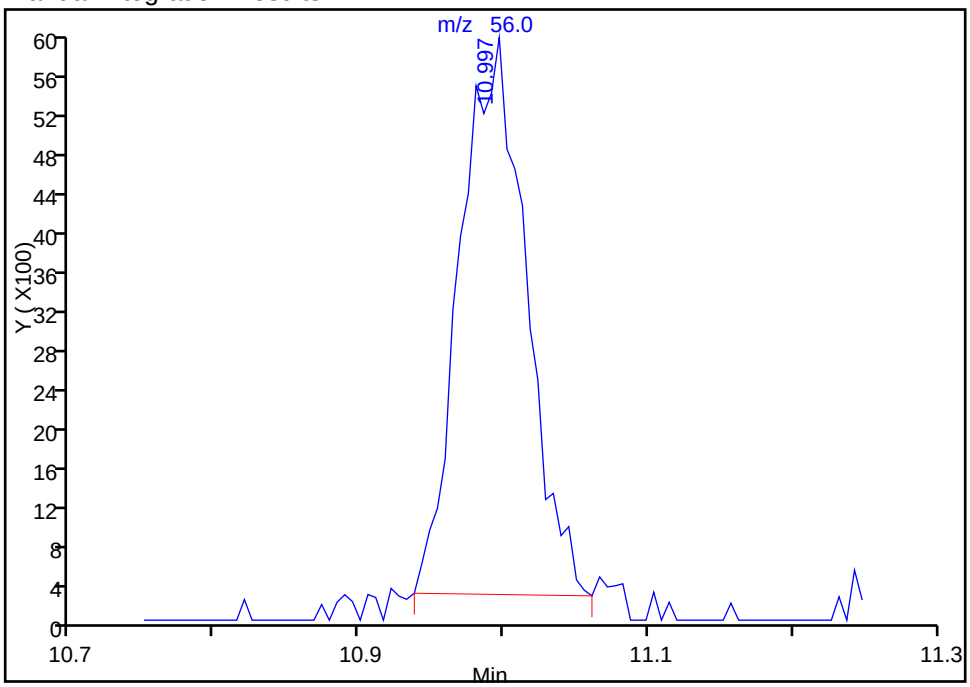
Processing Integration Results

RT: 10.98
Response: 8589
Amount: 0.144762



Manual Integration Results

RT: 11.00
Response: 17935
Amount: 0.225353



Reviewer: lyonsb, 24-Feb-2014 10:49:24
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-6B Lab Sample ID: 200-20955-17

Matrix: Air Lab File ID: 6267_027.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:08

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 07:45

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	5.0	U	5.0	0.30
75-45-6	Freon 22	86.47	0.75	J	5.0	0.48
76-14-2	Freon-114	170.92	2.0	U	2.0	0.35
74-87-3	Chloromethane	50.49	5.0	U	5.0	1.4
106-97-8	n-Butane	58.12	5.0	U	5.0	2.8
75-01-4	Vinyl chloride	62.50	0.40	U	0.40	0.38
106-99-0	1,3-Butadiene	54.09	2.0	U	2.0	0.42
74-83-9	Bromomethane	94.94	2.0	U	2.0	0.28
75-00-3	Chloroethane	64.52	5.0	U	5.0	0.30
593-60-2	Vinyl bromide	106.96	2.0	U	2.0	0.30
75-69-4	Freon 11	137.37	2.0	U	2.0	0.30
76-13-1	Freon 113	187.38	2.0	U	2.0	0.18
75-35-4	1,1-Dichloroethene	96.94	2.0	U	2.0	0.24
67-64-1	Acetone	58.08	50	U	50	13
67-63-0	Isopropyl alcohol	60.10	280		50	2.2
75-15-0	Carbon disulfide	76.14	5.0	U	5.0	0.66
107-05-1	Allyl chloride	76.53	5.0	U	5.0	0.34
75-09-2	Methylene Chloride	84.93	370		5.0	1.3
75-65-0	tert-Butyl alcohol	74.12	50	U	50	3.3
1634-04-4	Methyl tert-butyl ether	88.15	2.0	U	2.0	0.22
156-60-5	trans-1,2-Dichloroethene	96.94	2.0	U	2.0	0.29
110-54-3	Hexane	86.17	2.0	U	2.0	0.34
75-34-3	1,1-Dichloroethane	98.96	2.0	U	2.0	0.38
78-93-3	Methyl Ethyl Ketone	72.11	5.0	U	5.0	2.4
156-59-2	cis-1,2-Dichloroethene	96.94	2.0	U	2.0	0.38
540-59-0	1,2-Dichloroethene, Total	96.94	2.0	U	2.0	0.64
67-66-3	Chloroform	119.38	2.0	U	2.0	0.25
109-99-9	Tetrahydrofuran	72.11	9.2	J	50	0.46
71-55-6	1,1,1-Trichloroethane	133.41	2.0	U	2.0	0.21
110-82-7	Cyclohexane	84.16	3.1		2.0	0.25
56-23-5	Carbon tetrachloride	153.81	0.40	U	0.40	0.21
540-84-1	2,2,4-Trimethylpentane	114.23	2.0	U	2.0	0.27
71-43-2	Benzene	78.11	2.0	U	2.0	0.19
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	0.17
142-82-5	Heptane	100.21	2.0	U	2.0	0.46

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-6B Lab Sample ID: 200-20955-17

Matrix: Air Lab File ID: 6267_027.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:08

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 07:45

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.40	U	0.40	0.24
80-62-6	Methyl methacrylate	100.12	5.0	U	5.0	0.30
78-87-5	1,2-Dichloropropane	112.99	2.0	U	2.0	0.32
123-91-1	1,4-Dioxane	88.11	50	U	50	2.0
75-27-4	Bromodichloromethane	163.83	2.0	U	2.0	0.17
10061-01-5	cis-1,3-Dichloropropene	110.97	2.0	U	2.0	0.28
108-10-1	methyl isobutyl ketone	100.16	5.0	U	5.0	0.27
108-88-3	Toluene	92.14	1.5	J	2.0	0.17
10061-02-6	trans-1,3-Dichloropropene	110.97	2.0	U	2.0	0.22
79-00-5	1,1,2-Trichloroethane	133.41	2.0	U	2.0	0.17
127-18-4	Tetrachloroethene	165.83	2.0	U	2.0	0.16
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.0	U	5.0	2.0
124-48-1	Dibromochloromethane	208.29	2.0	U	2.0	0.20
106-93-4	1,2-Dibromoethane	187.87	2.0	U	2.0	0.20
108-90-7	Chlorobenzene	112.56	2.0	U	2.0	0.081
100-41-4	Ethylbenzene	106.17	2.0	U	2.0	0.13
179601-23-1	m,p-Xylene	106.17	5.0	U	5.0	0.23
95-47-6	Xylene, o-	106.17	2.0	U	2.0	0.16
1330-20-7	Xylene (total)	106.17	2.0	U	2.0	0.34
100-42-5	Styrene	104.15	2.0	U	2.0	0.18
75-25-2	Bromoform	252.75	2.0	U	2.0	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.0	U	2.0	0.16
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.80
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.18
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	0.12
95-49-8	2-Chlorotoluene	126.59	2.0	U	2.0	0.13
98-06-6	tert-Butylbenzene	134.22	2.0	U	2.0	0.17
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0	U	2.0	0.14
135-98-8	sec-Butylbenzene	134.22	2.0	U	2.0	0.80
99-87-6	4-Isopropyltoluene	134.22	2.0	U	2.0	0.80
541-73-1	1,3-Dichlorobenzene	147.00	2.0	U	2.0	0.14
106-46-7	1,4-Dichlorobenzene	147.00	2.0	U	2.0	0.14
100-44-7	Benzyl chloride	126.58	2.0	U	2.0	0.80
104-51-8	n-Butylbenzene	134.22	2.0	U	2.0	0.80

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-6B Lab Sample ID: 200-20955-17

Matrix: Air Lab File ID: 6267_027.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:08

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 07:45

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	2.0	U	2.0	0.14
120-82-1	1,2,4-Trichlorobenzene	181.45	5.0	U	5.0	0.27
87-68-3	Hexachloro-1,3-butadiene	260.76	2.0	U	2.0	0.22
91-20-3	Naphthalene	128.17	5.0	U	5.0	2.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-6B Lab Sample ID: 200-20955-17

Matrix: Air Lab File ID: 6267_027.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:08

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 07:45

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	25	U	25	1.5
75-45-6	Freon 22	86.47	2.7	J	18	1.7
76-14-2	Freon-114	170.92	14	U	14	2.4
74-87-3	Chloromethane	50.49	10	U	10	2.8
106-97-8	n-Butane	58.12	12	U	12	6.7
75-01-4	Vinyl chloride	62.50	1.0	U	1.0	0.97
106-99-0	1,3-Butadiene	54.09	4.4	U	4.4	0.93
74-83-9	Bromomethane	94.94	7.8	U	7.8	1.1
75-00-3	Chloroethane	64.52	13	U	13	0.79
593-60-2	Vinyl bromide	106.96	8.7	U	8.7	1.3
75-69-4	Freon 11	137.37	11	U	11	1.7
76-13-1	Freon 113	187.38	15	U	15	1.4
75-35-4	1,1-Dichloroethene	96.94	7.9	U	7.9	0.95
67-64-1	Acetone	58.08	120	U	120	30
67-63-0	Isopropyl alcohol	60.10	690		120	5.3
75-15-0	Carbon disulfide	76.14	16	U	16	2.1
107-05-1	Allyl chloride	76.53	16	U	16	1.1
75-09-2	Methylene Chloride	84.93	1300		17	4.3
75-65-0	tert-Butyl alcohol	74.12	150	U	150	9.9
1634-04-4	Methyl tert-butyl ether	88.15	7.2	U	7.2	0.79
156-60-5	trans-1,2-Dichloroethene	96.94	7.9	U	7.9	1.1
110-54-3	Hexane	86.17	7.0	U	7.0	1.2
75-34-3	1,1-Dichloroethane	98.96	8.1	U	8.1	1.5
78-93-3	Methyl Ethyl Ketone	72.11	15	U	15	7.1
156-59-2	cis-1,2-Dichloroethene	96.94	7.9	U	7.9	1.5
540-59-0	1,2-Dichloroethene, Total	96.94	7.9	U	7.9	2.5
67-66-3	Chloroform	119.38	9.8	U	9.8	1.2
109-99-9	Tetrahydrofuran	72.11	27	J	150	1.4
71-55-6	1,1,1-Trichloroethane	133.41	11	U	11	1.1
110-82-7	Cyclohexane	84.16	11		6.9	0.86
56-23-5	Carbon tetrachloride	153.81	2.5	U	2.5	1.3
540-84-1	2,2,4-Trimethylpentane	114.23	9.3	U	9.3	1.3
71-43-2	Benzene	78.11	6.4	U	6.4	0.61
107-06-2	1,2-Dichloroethane	98.96	8.1	U	8.1	0.69
142-82-5	Heptane	100.21	8.2	U	8.2	1.9

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-6B Lab Sample ID: 200-20955-17

Matrix: Air Lab File ID: 6267_027.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:08

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 07:45

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.1	U	2.1	1.3
80-62-6	Methyl methacrylate	100.12	20	U	20	1.2
78-87-5	1,2-Dichloropropane	112.99	9.2	U	9.2	1.5
123-91-1	1,4-Dioxane	88.11	180	U	180	7.2
75-27-4	Bromodichloromethane	163.83	13	U	13	1.1
10061-01-5	cis-1,3-Dichloropropene	110.97	9.1	U	9.1	1.3
108-10-1	methyl isobutyl ketone	100.16	20	U	20	1.1
108-88-3	Toluene	92.14	5.6	J	7.5	0.64
10061-02-6	trans-1,3-Dichloropropene	110.97	9.1	U	9.1	1.0
79-00-5	1,1,2-Trichloroethane	133.41	11	U	11	0.93
127-18-4	Tetrachloroethene	165.83	14	U	14	1.1
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	20	U	20	8.2
124-48-1	Dibromochloromethane	208.29	17	U	17	1.7
106-93-4	1,2-Dibromoethane	187.87	15	U	15	1.5
108-90-7	Chlorobenzene	112.56	9.2	U	9.2	0.37
100-41-4	Ethylbenzene	106.17	8.7	U	8.7	0.56
179601-23-1	m,p-Xylene	106.17	22	U	22	1.0
95-47-6	Xylene, o-	106.17	8.7	U	8.7	0.69
1330-20-7	Xylene (total)	106.17	8.7	U	8.7	1.5
100-42-5	Styrene	104.15	8.5	U	8.5	0.77
75-25-2	Bromoform	252.75	21	U	21	1.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	14	U	14	1.1
103-65-1	n-Propylbenzene	120.19	9.8	U	9.8	3.9
622-96-8	4-Ethyltoluene	120.20	9.8	U	9.8	0.88
108-67-8	1,3,5-Trimethylbenzene	120.20	9.8	U	9.8	0.59
95-49-8	2-Chlorotoluene	126.59	10	U	10	0.67
98-06-6	tert-Butylbenzene	134.22	11	U	11	0.93
95-63-6	1,2,4-Trimethylbenzene	120.20	9.8	U	9.8	0.69
135-98-8	sec-Butylbenzene	134.22	11	U	11	4.4
99-87-6	4-Isopropyltoluene	134.22	11	U	11	4.4
541-73-1	1,3-Dichlorobenzene	147.00	12	U	12	0.84
106-46-7	1,4-Dichlorobenzene	147.00	12	U	12	0.84
100-44-7	Benzyl chloride	126.58	10	U	10	4.1
104-51-8	n-Butylbenzene	134.22	11	U	11	4.4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-6B Lab Sample ID: 200-20955-17

Matrix: Air Lab File ID: 6267_027.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:08

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 07:45

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	12	U	12	0.84
120-82-1	1,2,4-Trichlorobenzene	181.45	37	U	37	2.0
87-68-3	Hexachloro-1,3-butadiene	260.76	21	U	21	2.3
91-20-3	Naphthalene	128.17	26	U	26	10

Report Date: 24-Feb-2014 11:38:50 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_027.D
Lims ID: 200-20955-A-17 Lab Sample ID: 200-20955-17
Client ID: IA-VMP-6B
Sample Type: Client
Inject. Date: 22-Feb-2014 07:45:30 ALS Bottle#: 24 Worklist Smp#: 27
Purge Vol: 200.000 mL Dil. Factor: 10.0000
Sample Info: 200-0006267-027
Misc. Info.: 20955-17
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:38:08 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: lyonsb Date: 24-Feb-2014 10:51:00

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85		3.127					
	6 Chlorodifluoromethane	51	3.181	3.181	0.001	49	5845	0.0753	7
	7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.405					
	8 Chloromethane	50		3.539					
	9 Butane	43		3.758					
	10 Vinyl chloride	62		3.796					
	11 Butadiene	54		3.876					
	12 Bromomethane	94		4.577					
	14 Chloroethane	64		4.828					
	16 Vinyl bromide	106		5.229					
	17 Trichlorofluoromethane	101		5.347					
	23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.476					
	24 1,1-Dichloroethene	96		6.497					
	25 Acetone	43		6.717					
	26 Carbon disulfide	76		6.883					
	27 Isopropyl alcohol	45	7.038	7.038	0.0	98	1312470	28.2	
	29 3-Chloro-1-propene	41		7.300					
	31 Methylene Chloride	49	7.594	7.599	-0.005	80	1712301	36.9	
	32 2-Methyl-2-propanol	59		7.835					
	33 Methyl tert-butyl ether	73		8.038					
	34 trans-1,2-Dichloroethene	61		8.059					
	36 Hexane	57		8.493					
	37 1,1-Dichloroethane	63		8.947					
	39 cis-1,2-Dichloroethene	96		10.087					
	40 2-Butanone (MEK)	72		10.135					
S	41 1,2-Dichloroethene, Total	61		10.200					
*	43 Chlorobromomethane	128	10.558	10.563	-0.005	68	657026	10.0	
	44 Tetrahydrofuran	42	10.585	10.579	0.006	79	41526	0.9219	
	45 Chloroform	83		10.702					
	46 Cyclohexane	84	10.991	10.991	0.0	79	29217	0.3091	M
	47 1,1,1-Trichloroethane	97		11.002					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	48	Carbon tetrachloride	117		11.269					
	50	Benzene	78		11.740					
	51	Isooctane	57		11.761					
	52	1,2-Dichloroethane	62		11.911					
	53	n-Heptane	43		12.168					
*	54	1,4-Difluorobenzene	114	12.617	12.623	-0.006	91	3787447	10.0	
	56	Trichloroethene	95		13.110					
	58	1,2-Dichloropropane	63		13.682					
	59	Methyl methacrylate	69		13.880					
	60	1,4-Dioxane	88		13.917					
	62	Dichlorobromomethane	83		14.249					
	64	cis-1,3-Dichloropropene	75		15.228					
	65	4-Methyl-2-pentanone (MIBK)	43		15.528					
	66	Toluene	92	15.854	15.849	0.005	91	38547	0.1478	
	70	trans-1,3-Dichloropropene	75		16.437					
	71	1,1,2-Trichloroethane	83		16.812					
	72	Tetrachloroethene	166		16.961					
	73	2-Hexanone	43		17.282					
	74	Chlorodibromomethane	129		17.587					
	75	Ethylene Dibromide	107		17.860					
*	76	Chlorobenzene-d5	117	18.786	18.786	0.0	81	3560147	10.0	
	77	Chlorobenzene	112		18.844					
	78	Ethylbenzene	91		19.016					
	80	m-Xylene & p-Xylene	106		19.272					
S	82	Xylenes, Total	106		20.100					
	83	o-Xylene	106		20.102					
	84	Styrene	104		20.144					
	85	Bromoform	173		20.530					
$	87	4-Bromofluorobenzene	95	21.107	21.107	0.0	98	1697200	NC	
	88	1,1,2,2-Tetrachloroethane	83		21.364					
	90	N-Propylbenzene	91		21.471					
	92	2-Chlorotoluene	91		21.653					
	91	4-Ethyltoluene	105		21.653					
	94	1,3,5-Trimethylbenzene	105		21.760					
	96	tert-Butylbenzene	119		22.242					
	97	1,2,4-Trimethylbenzene	105		22.332					
	98	sec-Butylbenzene	105		22.562					
	99	4-Isopropyltoluene	119		22.760					
	100	1,3-Dichlorobenzene	146		22.776					
	101	1,4-Dichlorobenzene	146		22.910					
	102	Benzyl chloride	91		23.103					
	103	n-Butylbenzene	91		23.338					
	105	1,2-Dichlorobenzene	146		23.451					
	107	1,2,4-Trichlorobenzene	180		26.013					
	108	Hexachlorobutadiene	225		26.227					
	109	Naphthalene	128		26.505					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

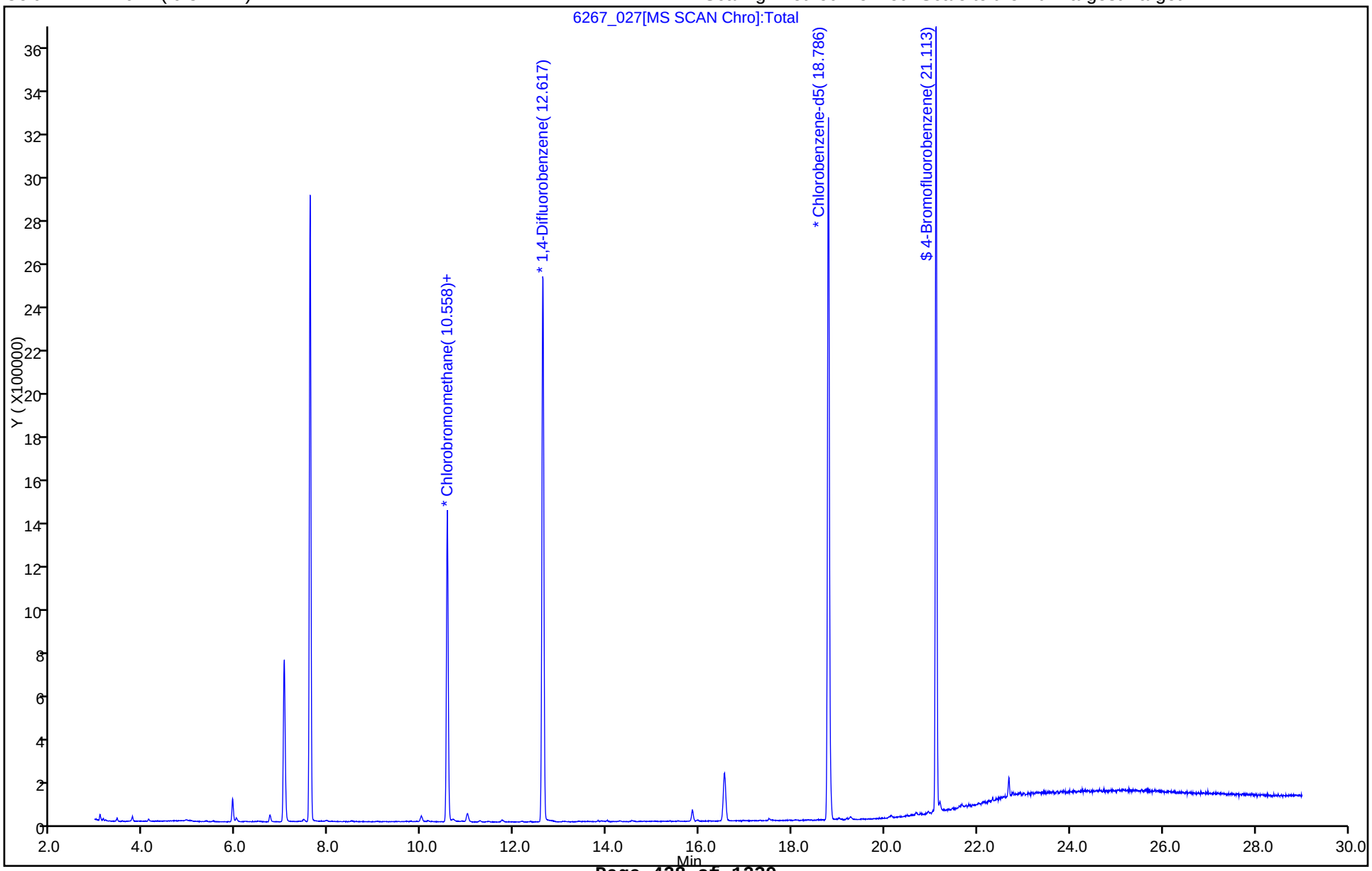
Report Date: 24-Feb-2014 11:38:50 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_027.D

Injection Date:	22-Feb-2014 07:45:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	200-20955-A-17	Lab Sample ID:	200-20955-17	Worklist Smp#:	27
Client ID:	IA-VMP-6B				
Purge Vol:	200.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	24
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



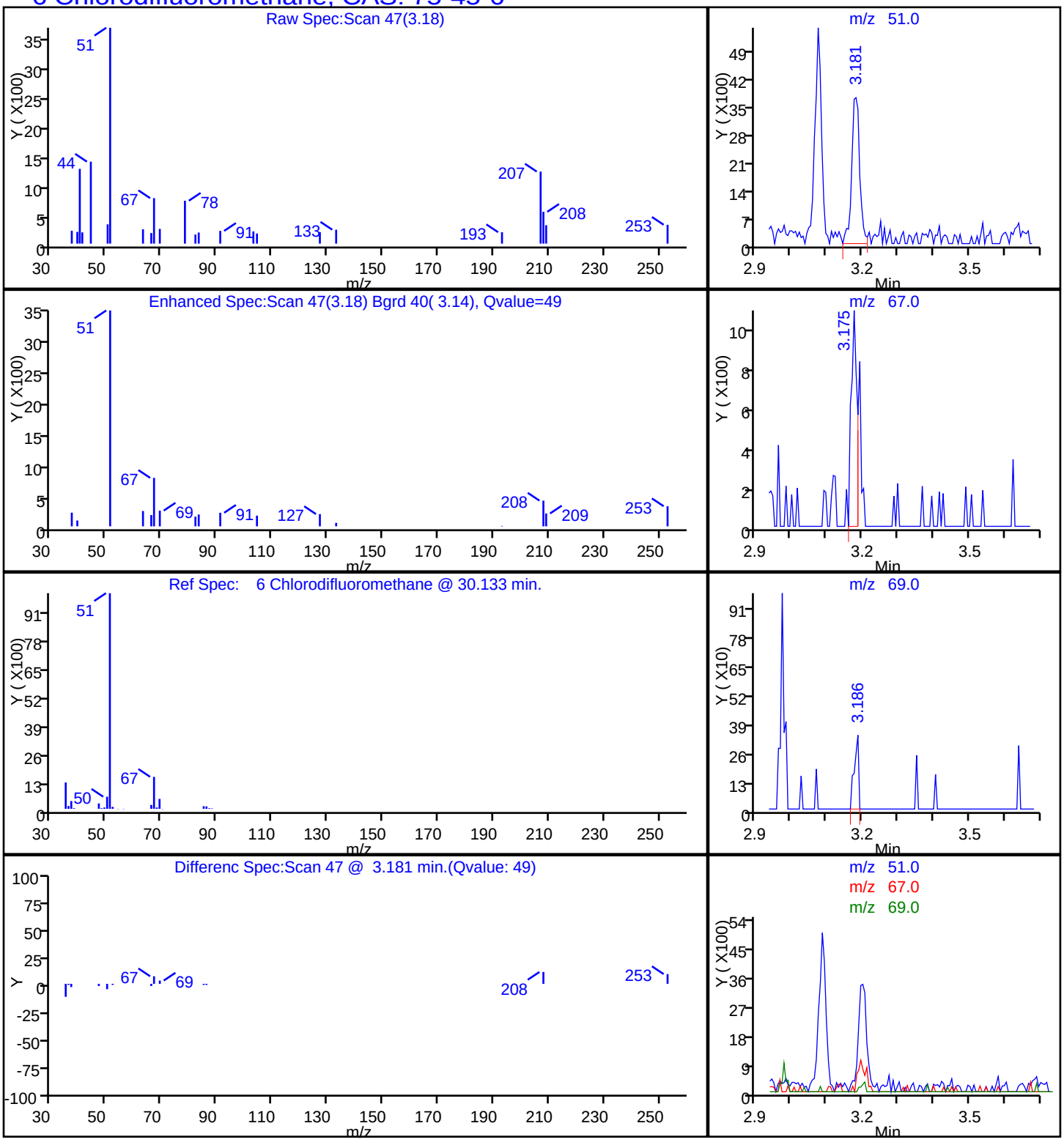
Report Date: 24-Feb-2014 11:38:50 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_027.D

Injection Date:	22-Feb-2014 07:45:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-17	Lab Sample ID:	200-20955-17		
Client ID:	IA-VMP-6B				
Operator ID:	bl	ALS Bottle#:	24	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



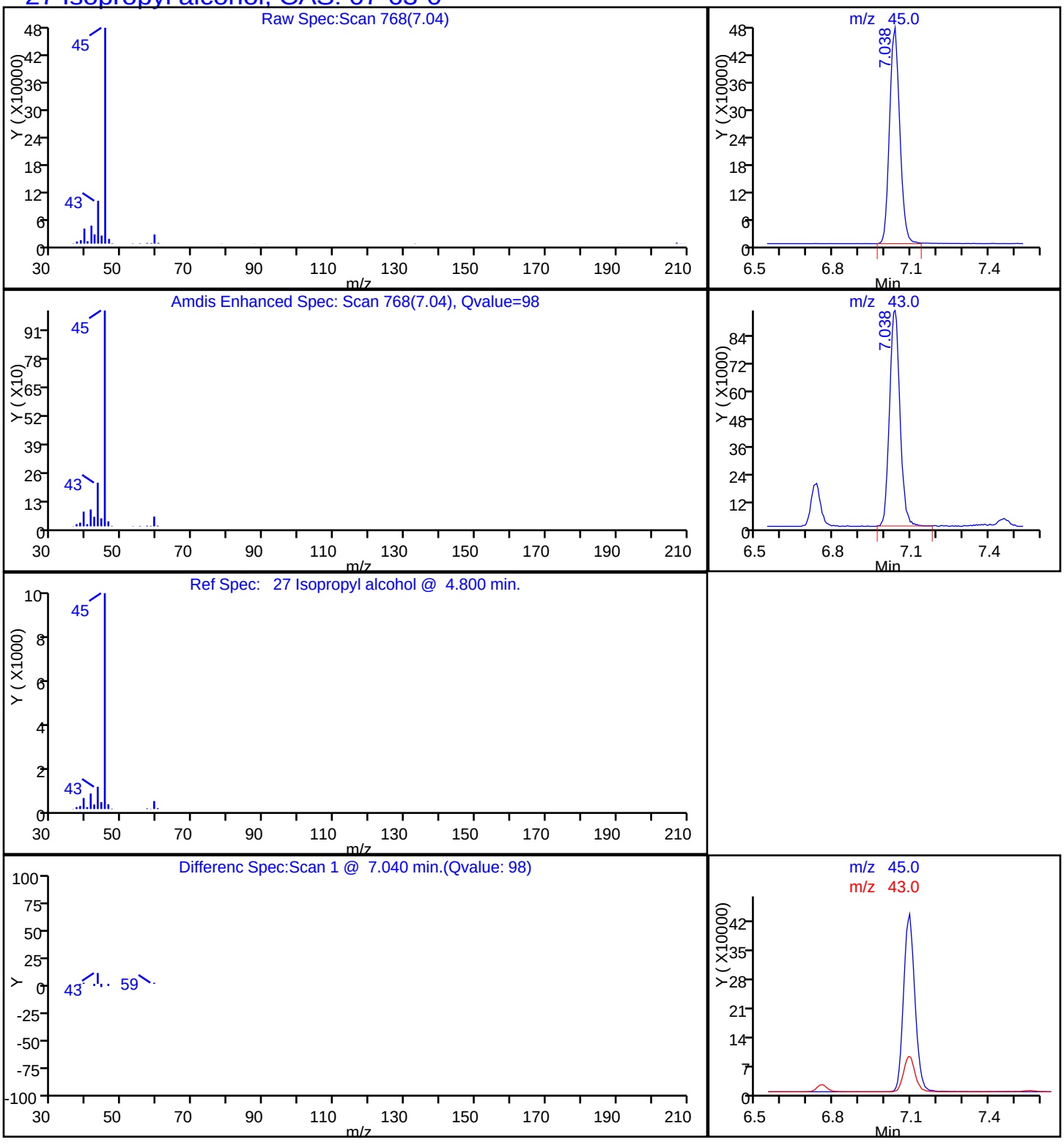
Report Date: 24-Feb-2014 11:38:50 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_027.D

Injection Date:	22-Feb-2014 07:45:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-17	Lab Sample ID:	200-20955-17		
Client ID:	IA-VMP-6B				
Operator ID:	bl	ALS Bottle#:	24	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



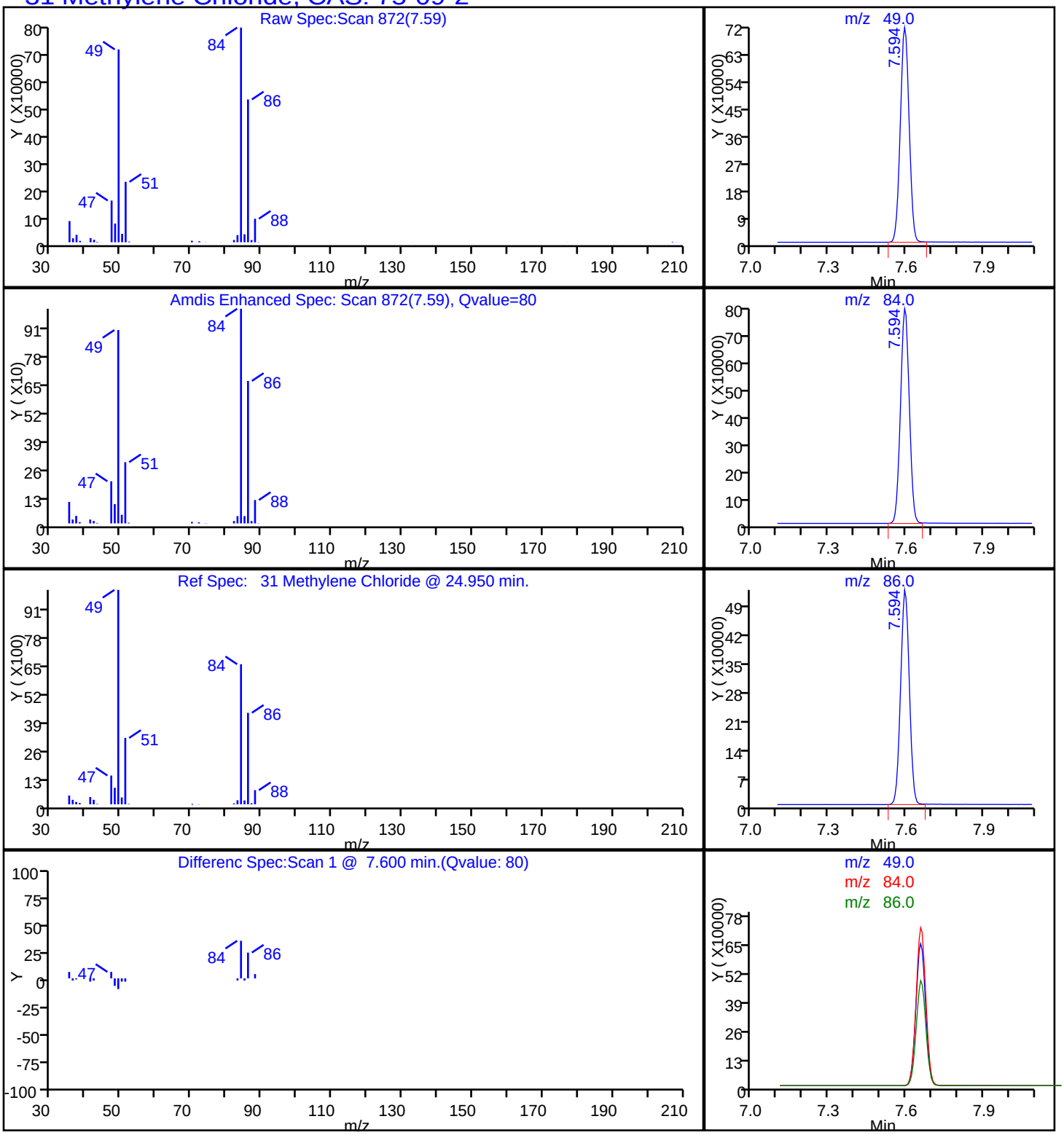
Report Date: 24-Feb-2014 11:38:50 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_027.D

Injection Date:	22-Feb-2014 07:45:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-17	Lab Sample ID:	200-20955-17		
Client ID:	IA-VMP-6B				
Operator ID:	bl	ALS Bottle#:	24	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



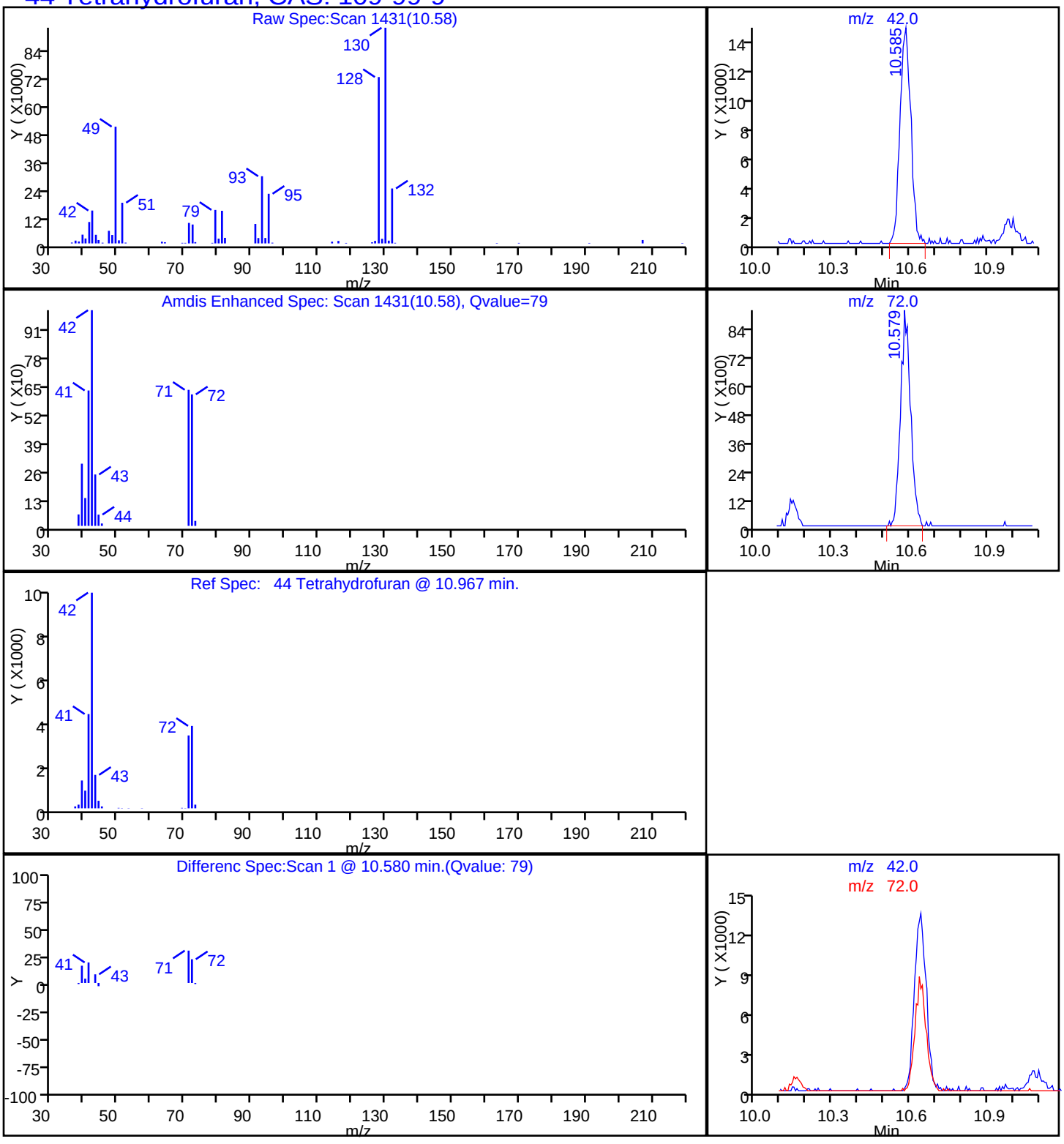
Report Date: 24-Feb-2014 11:38:50 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_027.D

Injection Date:	22-Feb-2014 07:45:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-17	Lab Sample ID:	200-20955-17		
Client ID:	IA-VMP-6B				
Operator ID:	bl	ALS Bottle#:	24	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Tetrahydrofuran, CAS: 109-99-9



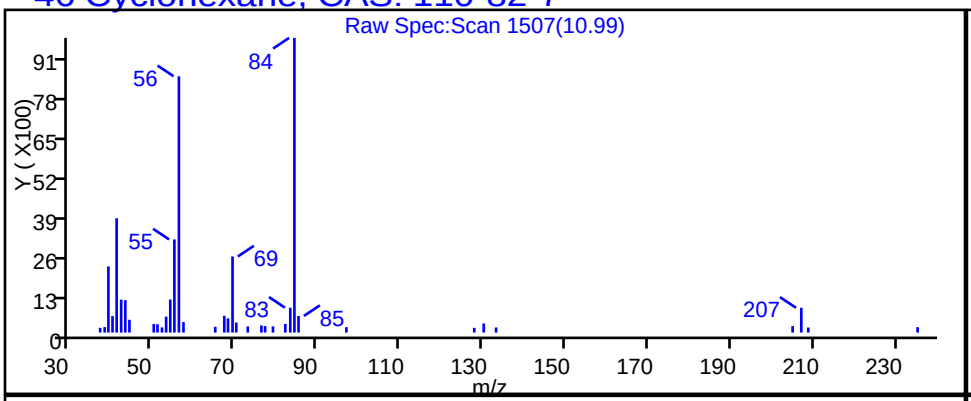
Report Date: 24-Feb-2014 11:38:50 Chrom Revision: 2.2 06-Feb-2014 15:19:06

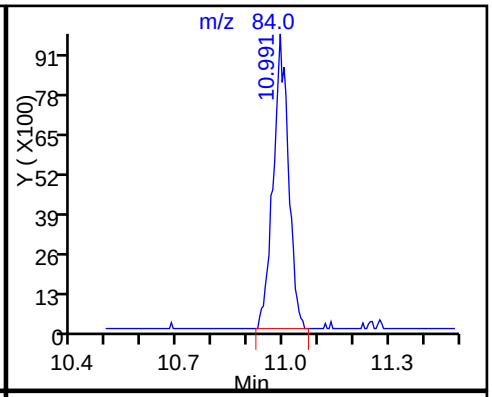
TestAmerica Burlington

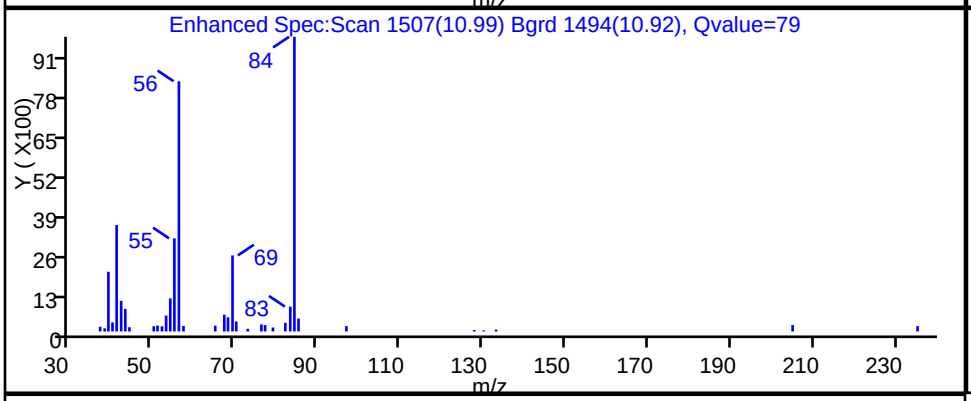
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_027.D

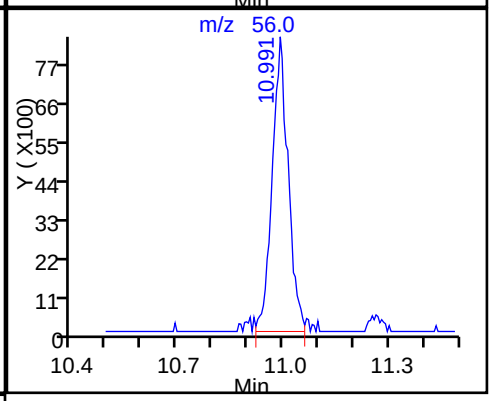
Injection Date:	22-Feb-2014 07:45:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-17	Lab Sample ID:	200-20955-17		
Client ID:	IA-VMP-6B				
Operator ID:	bl	ALS Bottle#:	24	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

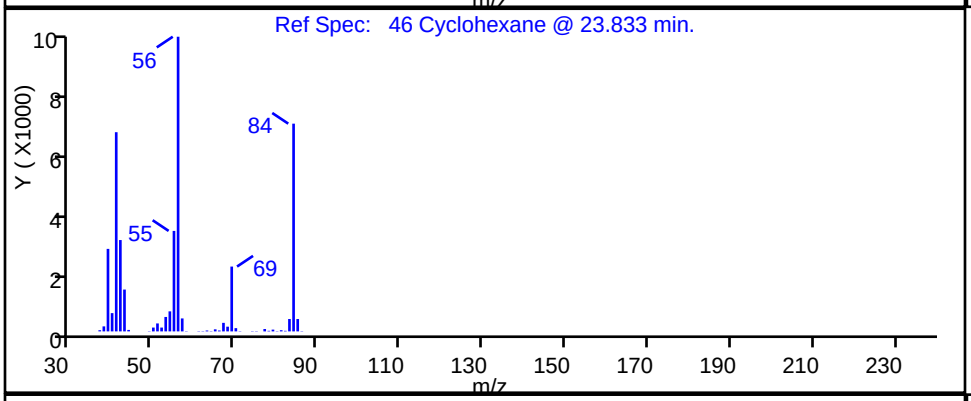
46 Cyclohexane, CAS: 110-82-7

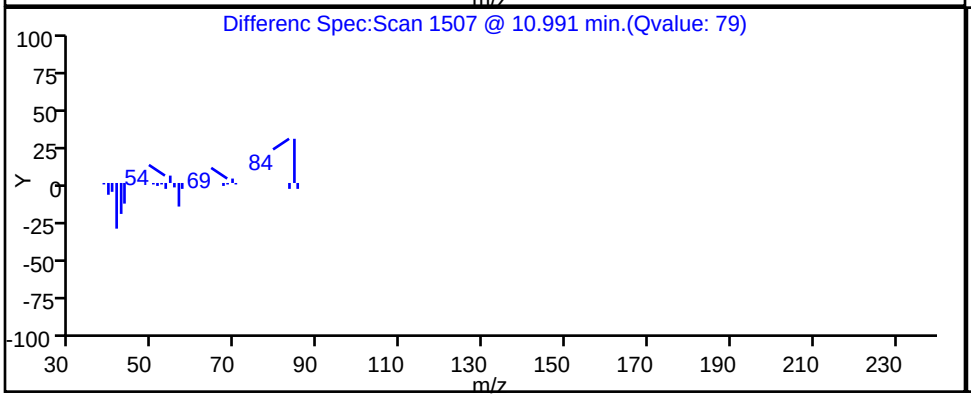


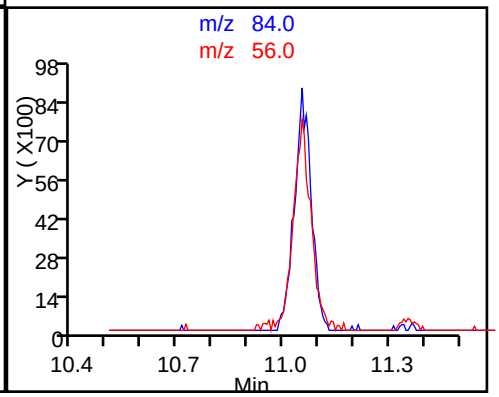












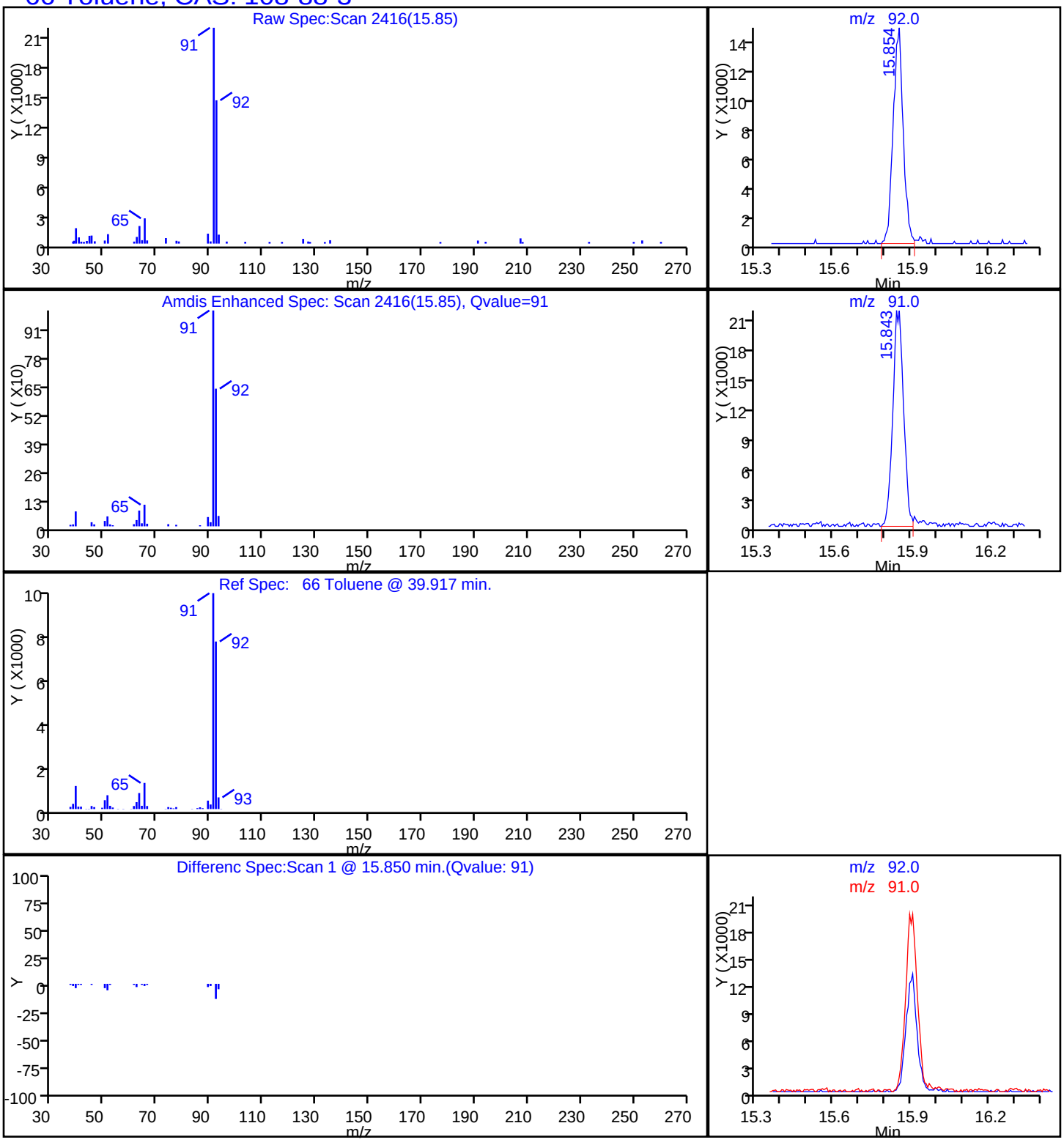
Report Date: 24-Feb-2014 11:38:50 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_027.D

Injection Date:	22-Feb-2014 07:45:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-17	Lab Sample ID:	200-20955-17		
Client ID:	IA-VMP-6B				
Operator ID:	bl	ALS Bottle#:	24	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



Manual Integration/User Assign Peak Report

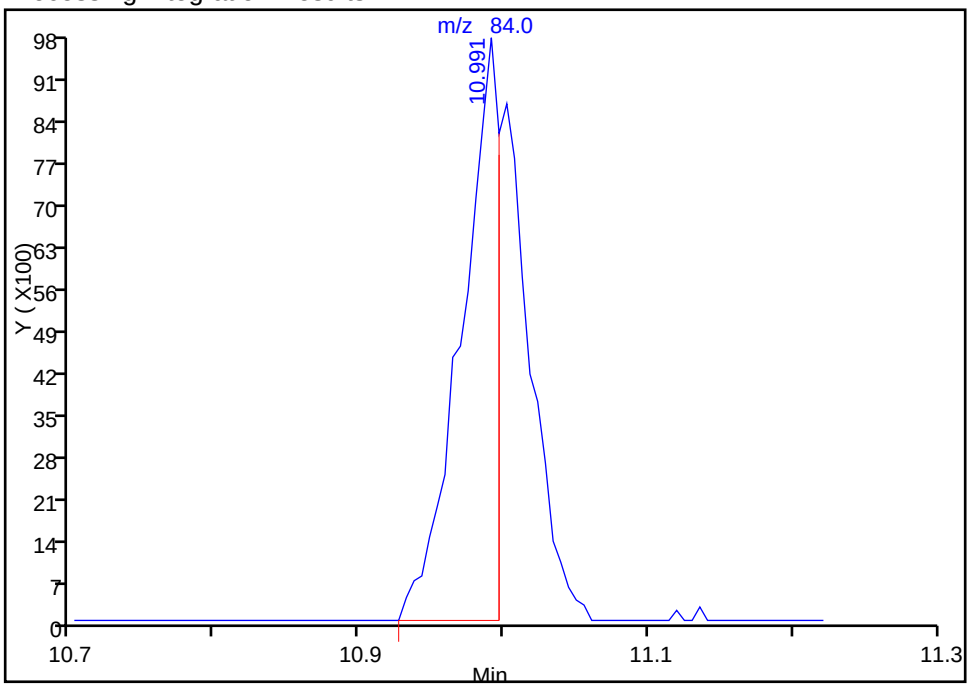
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_027.D				
Injection Date:	22-Feb-2014 07:45:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-17	Lab Sample ID:	200-20955-17		
Client ID:	IA-VMP-6B				
Operator ID:	bl	ALS Bottle#:	24	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

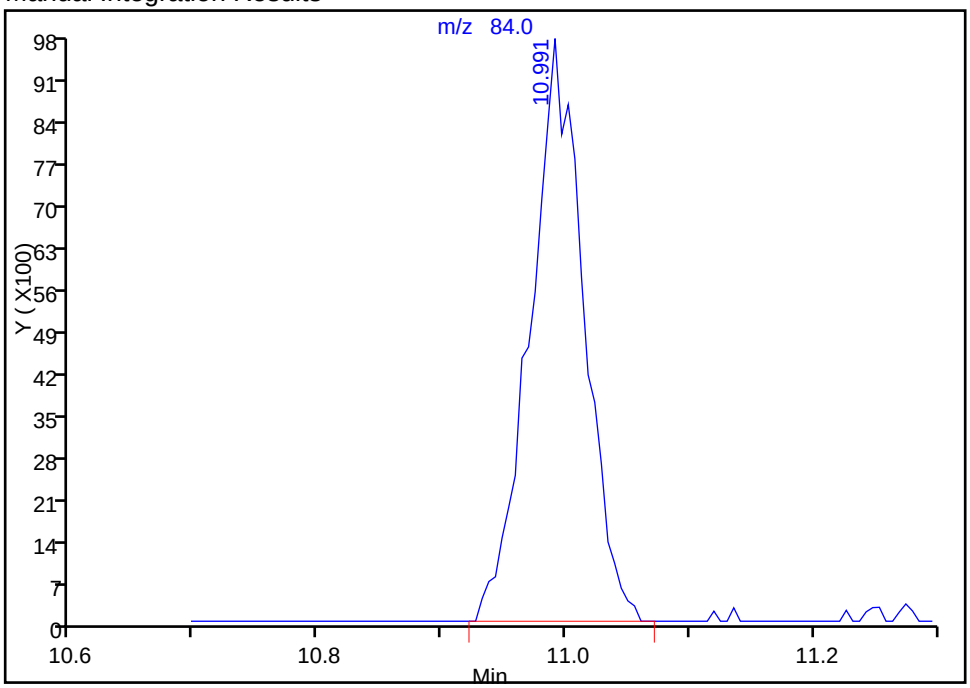
Processing Integration Results

RT: 10.99
Response: 17713
Amount: 0.187377



Manual Integration Results

RT: 10.99
Response: 29217
Amount: 0.309073



Reviewer: lyonsb, 24-Feb-2014 10:51:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3E Lab Sample ID: 200-20955-19

Matrix: Air Lab File ID: 6171_024.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:40

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 06:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.53		0.50	0.030
75-45-6	Freon 22	86.47	4.1		0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.62		0.50	0.14
106-97-8	n-Butane	58.12	1.4		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.12	J	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.29		0.20	0.030
76-13-1	Freon 113	187.38	0.086	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	6.3		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	46	E	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	2.2		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.27		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.51		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	0.093	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	1.9		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.068		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.094	J	0.20	0.027
71-43-2	Benzene	78.11	0.33		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3E Lab Sample ID: 200-20955-19

Matrix: Air Lab File ID: 6171_024.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:40

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 06:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.088	J	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.87		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.058	J	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.083	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.18	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.047	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.23		0.20	0.034
100-42-5	Styrene	104.15	0.031	J	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.70		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.25		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3E Lab Sample ID: 200-20955-19

Matrix: Air Lab File ID: 6171_024.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:40

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 06:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3E Lab Sample ID: 200-20955-19

Matrix: Air Lab File ID: 6171_024.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:40

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 06:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.6		2.5	0.15
75-45-6	Freon 22	86.47	14		1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.3		1.0	0.28
106-97-8	n-Butane	58.12	3.2		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.27	J	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.6		1.1	0.17
76-13-1	Freon 113	187.38	0.66	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	15		12	3.0
67-63-0	Isopropyl alcohol	60.10	110	E	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	7.5		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.96		0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.27	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	6.5		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.43		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.44	J	0.93	0.13
71-43-2	Benzene	78.11	1.1		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3E Lab Sample ID: 200-20955-19

Matrix: Air Lab File ID: 6171_024.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:40

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 06:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	0.36	J	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	3.3		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	0.39	J	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.36	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.79	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.21	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.99		0.87	0.15
100-42-5	Styrene	104.15	0.13	J	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	3.8		1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.4		1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-3E Lab Sample ID: 200-20955-19

Matrix: Air Lab File ID: 6171_024.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:40

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 06:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d
Lims ID: 200-20955-A-19 Lab Sample ID: 200-20955-19
Client ID: IA-VMP-3E
Sample Type: Client
Inject. Date: 18-Feb-2014 06:37:30 ALS Bottle#: 6 Worklist Smp#: 24
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006171-024
Misc. Info.: 200-20955-A-19
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Feb-2014 11:48:38 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK028

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85	4.501	4.474	0.027	94	83333	0.5338	
	6 Chlorodifluoromethane	51	4.426	4.538	-0.112	37	242450	4.10	
	7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.827					
	8 Chloromethane	50	5.036	5.020	0.016	92	16538	0.6154	
	9 Butane	43	5.309	5.287	0.022	95	59261	1.36	
	10 Vinyl chloride	62		5.341					
	11 Butadiene	54	5.464	5.442	0.022	58	2937	0.1235	
	12 Bromomethane	94		6.309					
	14 Chloroethane	64		6.593					
	16 Vinyl bromide	106		7.074					
	17 Trichlorofluoromethane	101	7.213	7.192	0.021	93	50395	0.2880	
	23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.460	8.438	0.022	78	9391	0.0858	
	24 1,1-Dichloroethene	96		8.513					
	25 Acetone	43	8.775	8.749	0.027	87	314602	6.35	
	26 Carbon disulfide	76		9.000					
	27 Isopropyl alcohol	45	9.128	9.027	0.101	97	1893816	45.6	E
	29 3-Chloro-1-propene	41		9.407					
	31 Methylene Chloride	49	9.749	9.733	0.016	81	74247	2.15	
	32 2-Methyl-2-propanol	59		9.904					
	33 Methyl tert-butyl ether	73		10.155					
S	41 1,2-Dichloroethene, Total	61		10.200					
	34 trans-1,2-Dichloroethene	61		10.230					
	36 Hexane	57	10.664	10.648	0.016	86	13015	0.2724	
	37 1,1-Dichloroethane	63		11.199					
	39 cis-1,2-Dichloroethene	96		12.376					
	40 2-Butanone (MEK)	72	12.402	12.392	0.010	94	10741	0.5117	
	44 Tetrahydrofuran	42	12.873	12.852	0.021	28	2866	0.0927	
*	43 Chlorobromomethane	128	12.868	12.852	0.016	69	341368	10.0	
	45 Chloroform	83		12.964					
	46 Cyclohexane	84	13.274	13.258	0.016	83	113156	1.90	
	47 1,1,1-Trichloroethane	97		13.280					
	48 Carbon tetrachloride	117	13.536	13.531	0.005	86	10656	0.0684	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v		Flags
	51	Isooctane	57	13.932	13.927	0.005	80	14861	0.0935		
	50	Benzene	78	13.991	13.986	0.005	92	46905	0.3294		
	52	1,2-Dichloroethane	62		14.141						
	53	n-Heptane	43		14.275						
*	54	1,4-Difluorobenzene	114	14.751	14.746	0.005	93	1633931	10.0		
	56	Trichloroethene	95		15.206						
	58	1,2-Dichloropropane	63		15.730						
	59	Methyl methacrylate	69	15.826	15.810	0.016	82	3963	0.0881		
	60	1,4-Dioxane	88		15.901						
	62	Dichlorobromomethane	83		16.222						
	64	cis-1,3-Dichloropropene	75		17.083						
	65	4-Methyl-2-pentanone (MIBK)	43		17.319						
	66	Toluene	92	17.672	17.661	0.011	94	93105	0.8681		
	70	trans-1,3-Dichloropropene	75		18.191						
	71	1,1,2-Trichloroethane	83		18.560						
	72	Tetrachloroethene	166	18.699	18.694	0.005	89	7683	0.0576		
	73	2-Hexanone	43		18.950						
	74	Chlorodibromomethane	129		19.314						
	75	Ethylene Dibromide	107		19.598						
S	82	Xylenes, Total	106				0		0.2290		7
*	76	Chlorobenzene-d5	117	20.448	20.443	0.005	84	1478873	10.0		
	77	Chlorobenzene	112		20.496						
	78	Ethylbenzene	91	20.625	20.614	0.011	85	20907	0.0834		
	80	m-Xylene & p-Xylene	106	20.828	20.833	-0.005	99	18354	0.1816		
	83	o-Xylene	106	21.550	21.545	0.005	78	4519	0.0474		
	84	Styrene	104	21.582	21.582	0.0	46	4416	0.0312		
	85	Bromoform	173		21.962						
$	87	4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1003258	NC		
	88	1,1,2,2-Tetrachloroethane	83		22.668						
	90	N-Propylbenzene	91		22.743						
	91	4-Ethyltoluene	105		22.909						
	92	2-Chlorotoluene	91		22.941						
	94	1,3,5-Trimethylbenzene	105		23.000						
	96	tert-Butylbenzene	119		23.476						
	97	1,2,4-Trimethylbenzene	105		23.573						
	98	sec-Butylbenzene	105	23.931	23.808	0.123	37	276672	0.6963		
	99	4-Isopropyltoluene	119	23.931	24.011	-0.080	39	87034	0.2490		
	100	1,3-Dichlorobenzene	146		24.081						
	101	1,4-Dichlorobenzene	146		24.225						
	102	Benzyl chloride	91		24.434						
	103	n-Butylbenzene	91		24.653						
	105	1,2-Dichlorobenzene	146		24.830						
	107	1,2,4-Trichlorobenzene	180		27.724						
	108	Hexachlorobutadiene	225		27.927						
	109	Naphthalene	128		28.312						

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

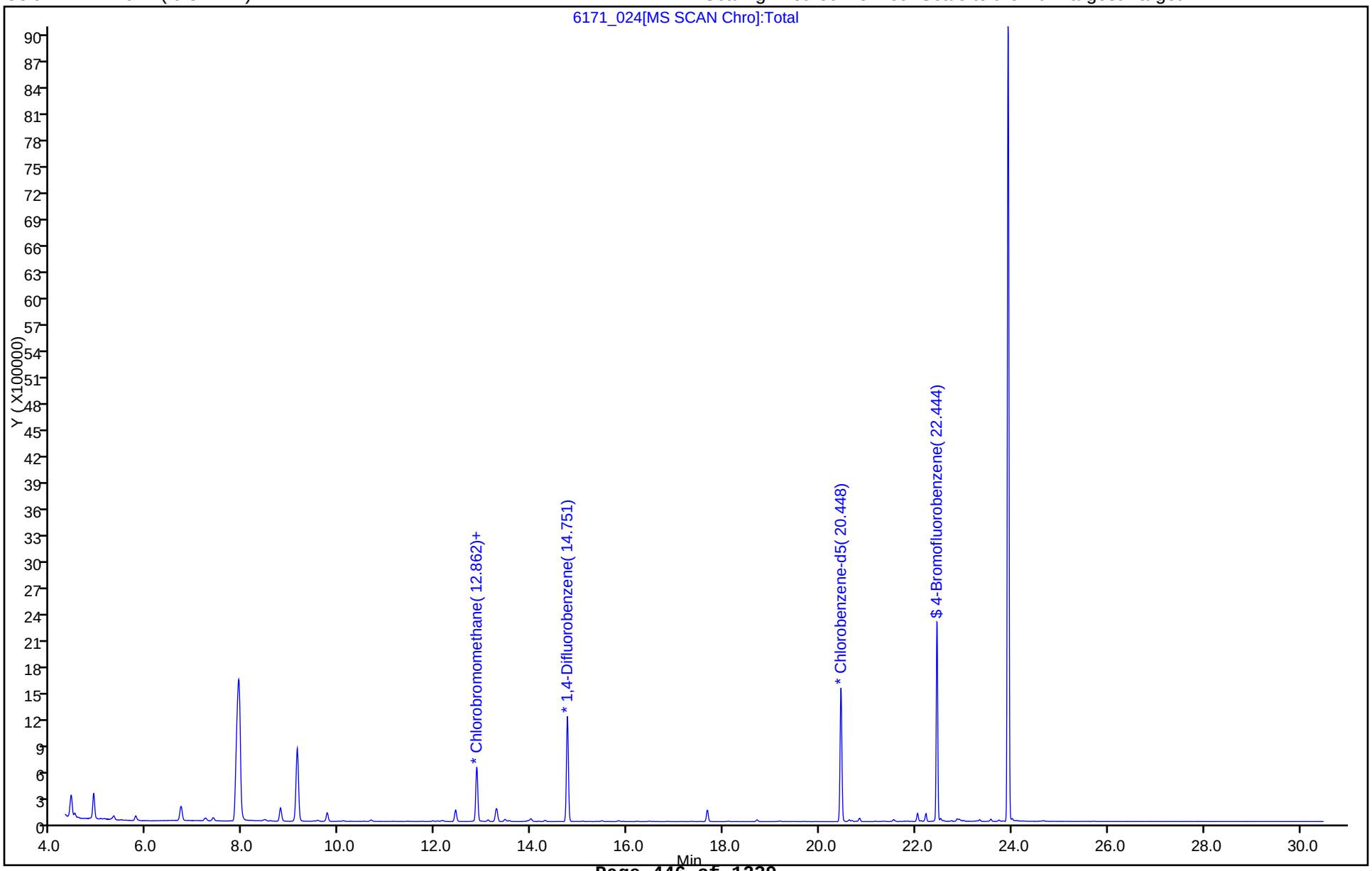
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19	Worklist Smp#:	24
Client ID:	IA-VMP-3E				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



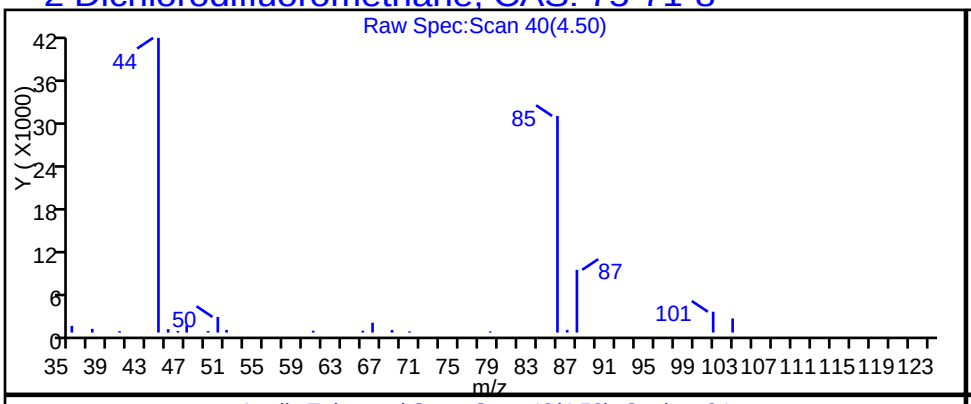
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

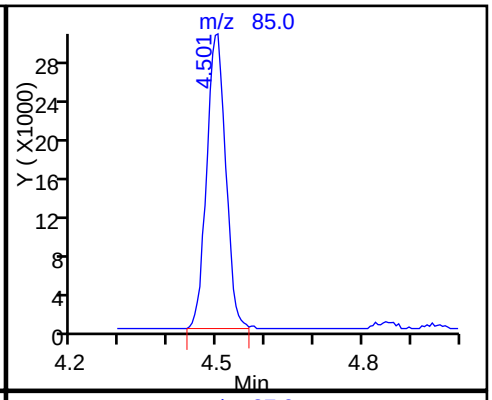
TestAmerica Burlington

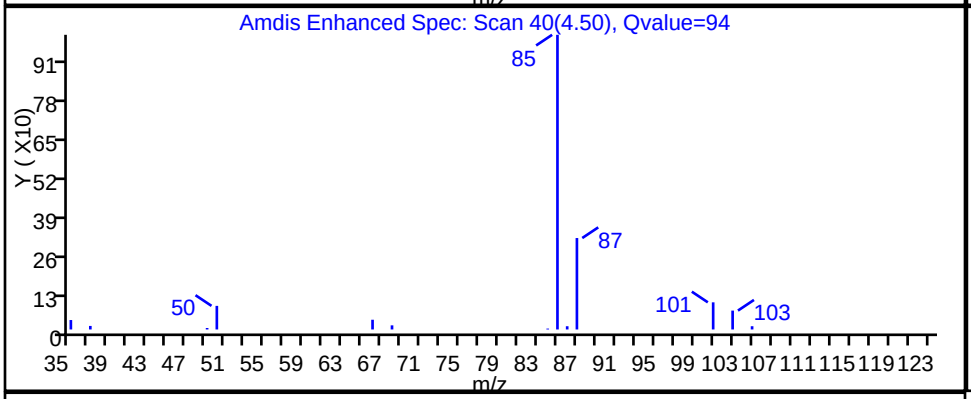
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

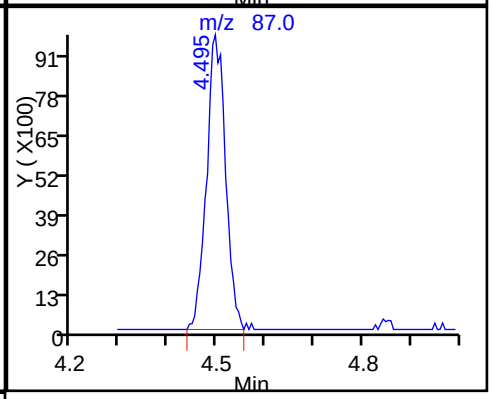
Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

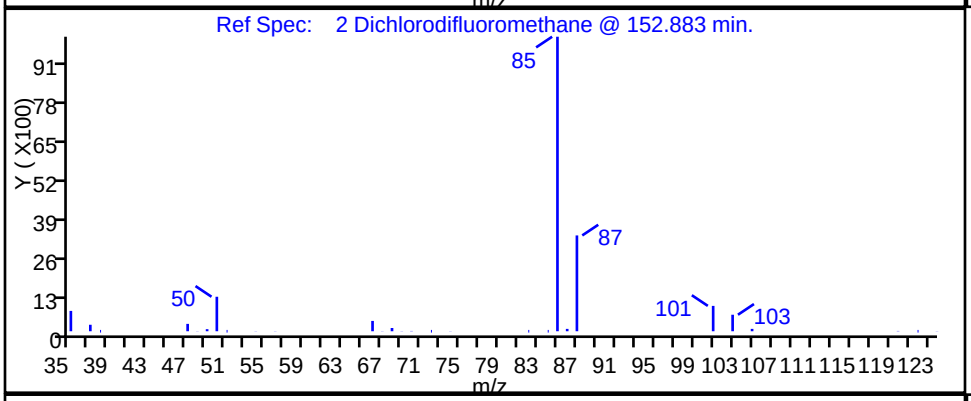
2 Dichlorodifluoromethane, CAS: 75-71-8

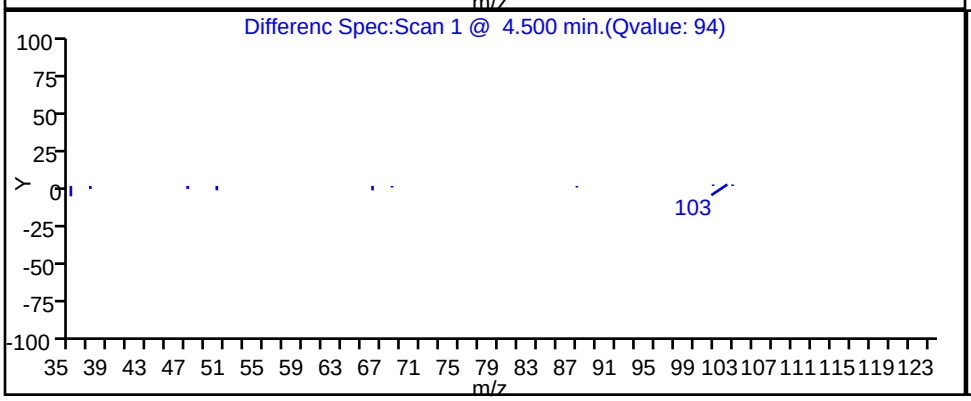


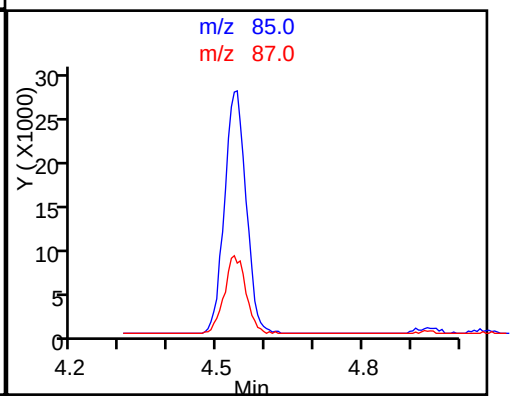












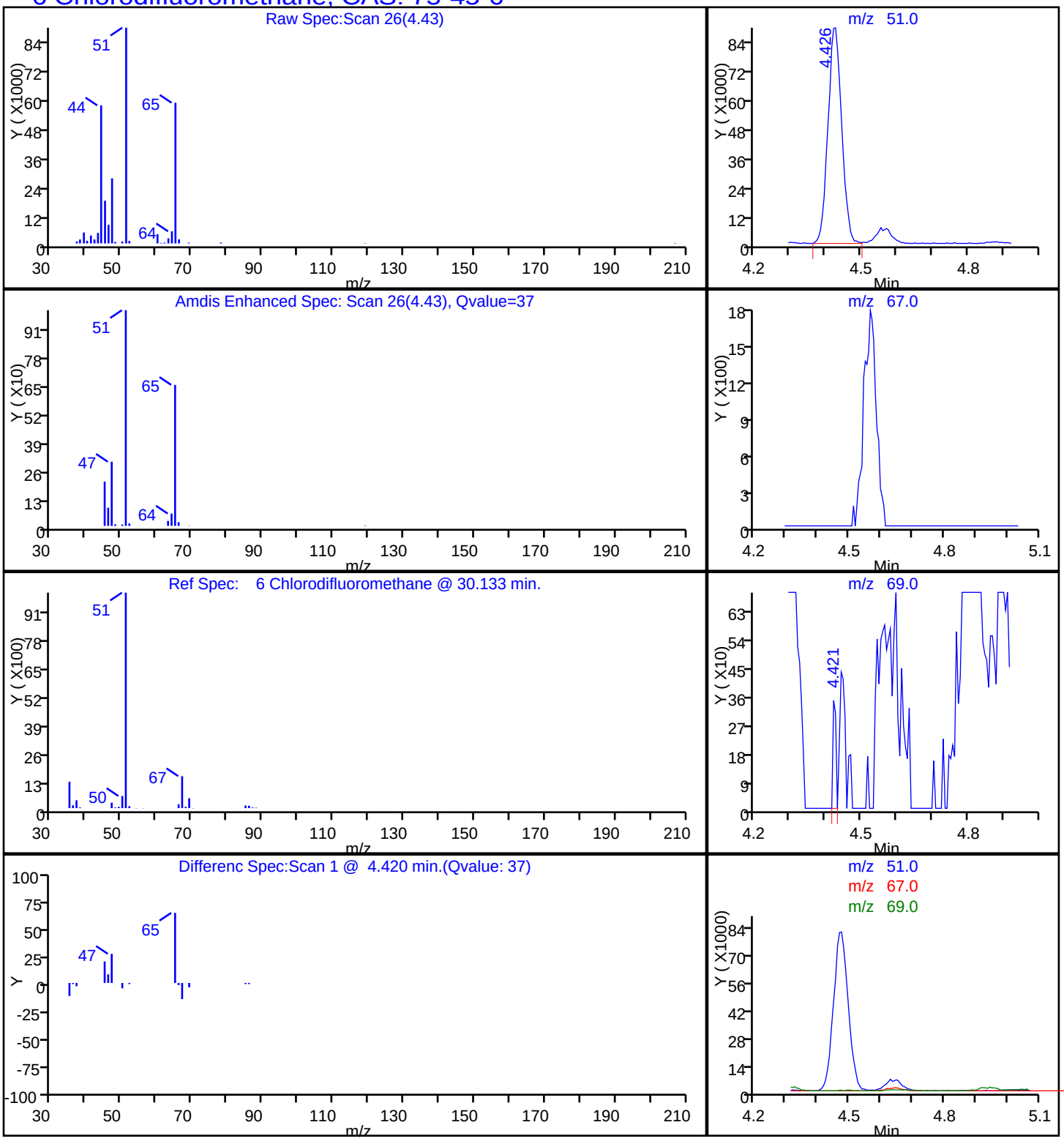
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



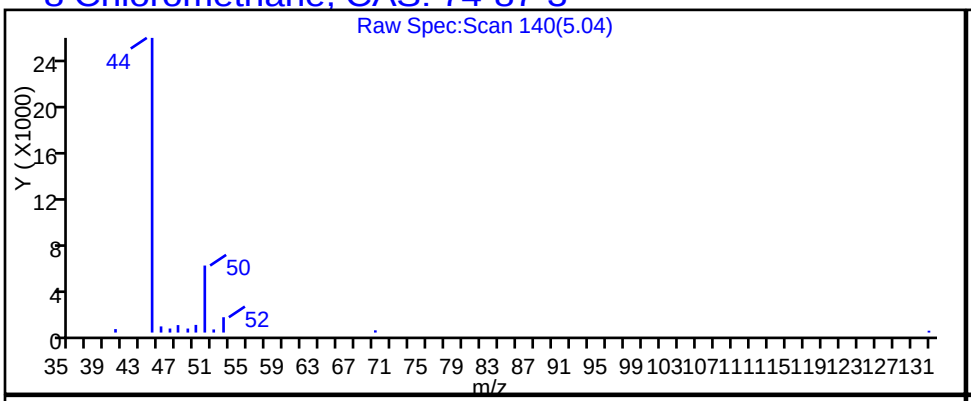
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

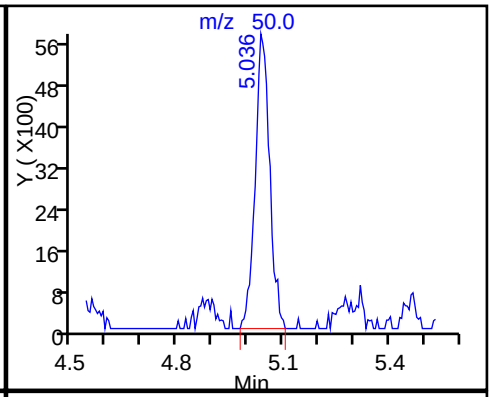
TestAmerica Burlington

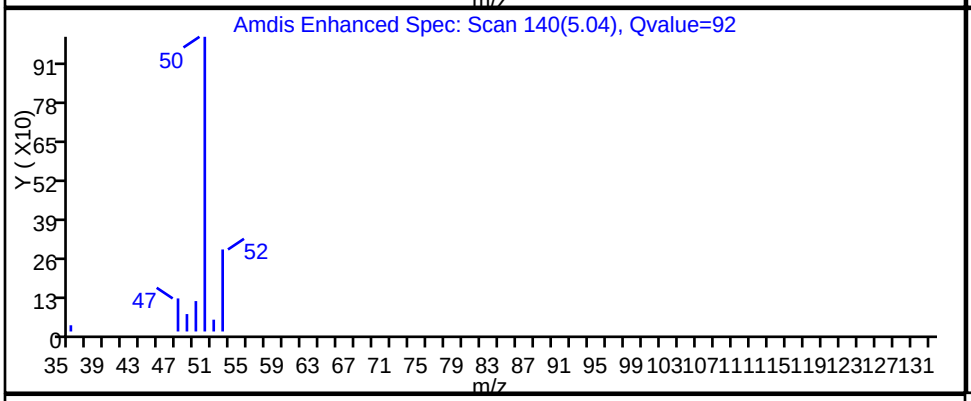
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

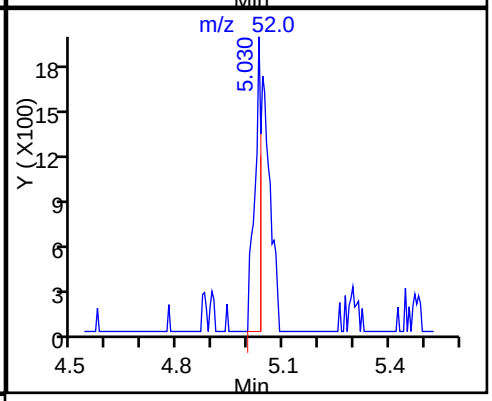
Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

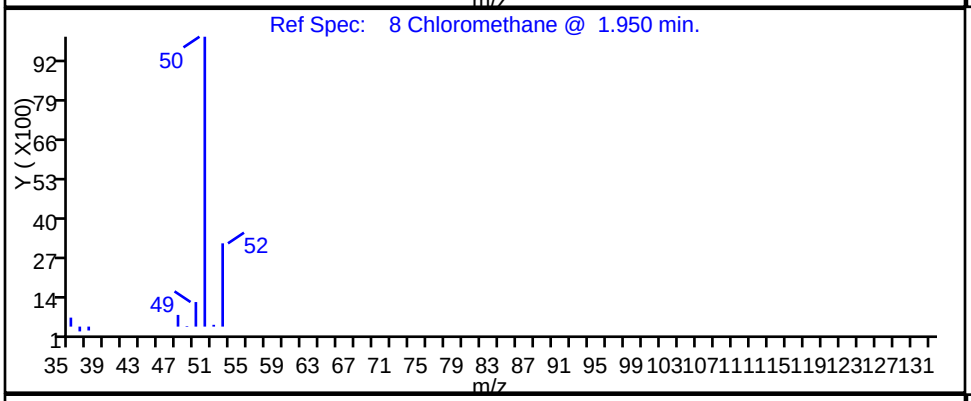
8 Chloromethane, CAS: 74-87-3

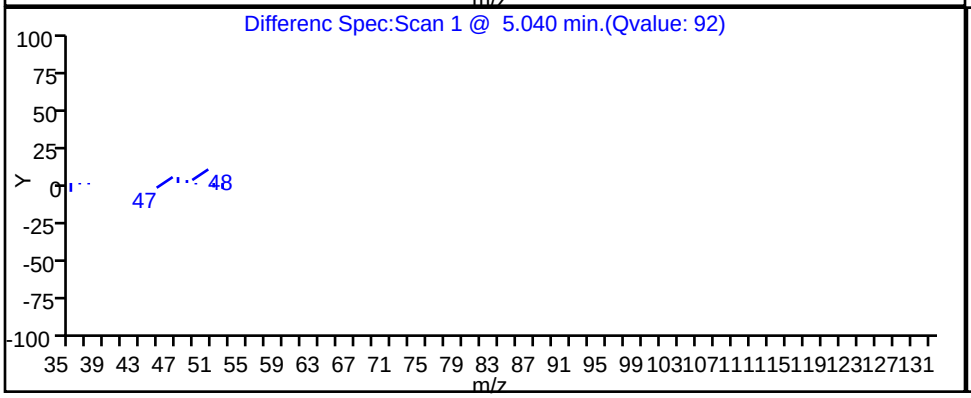


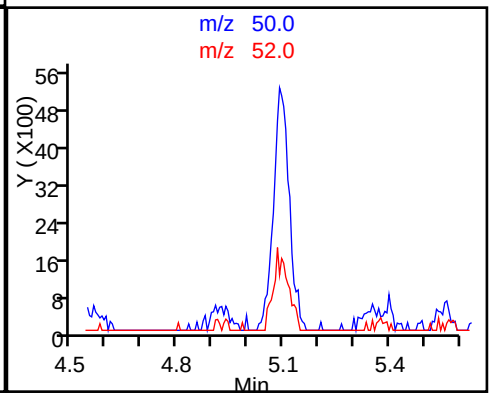












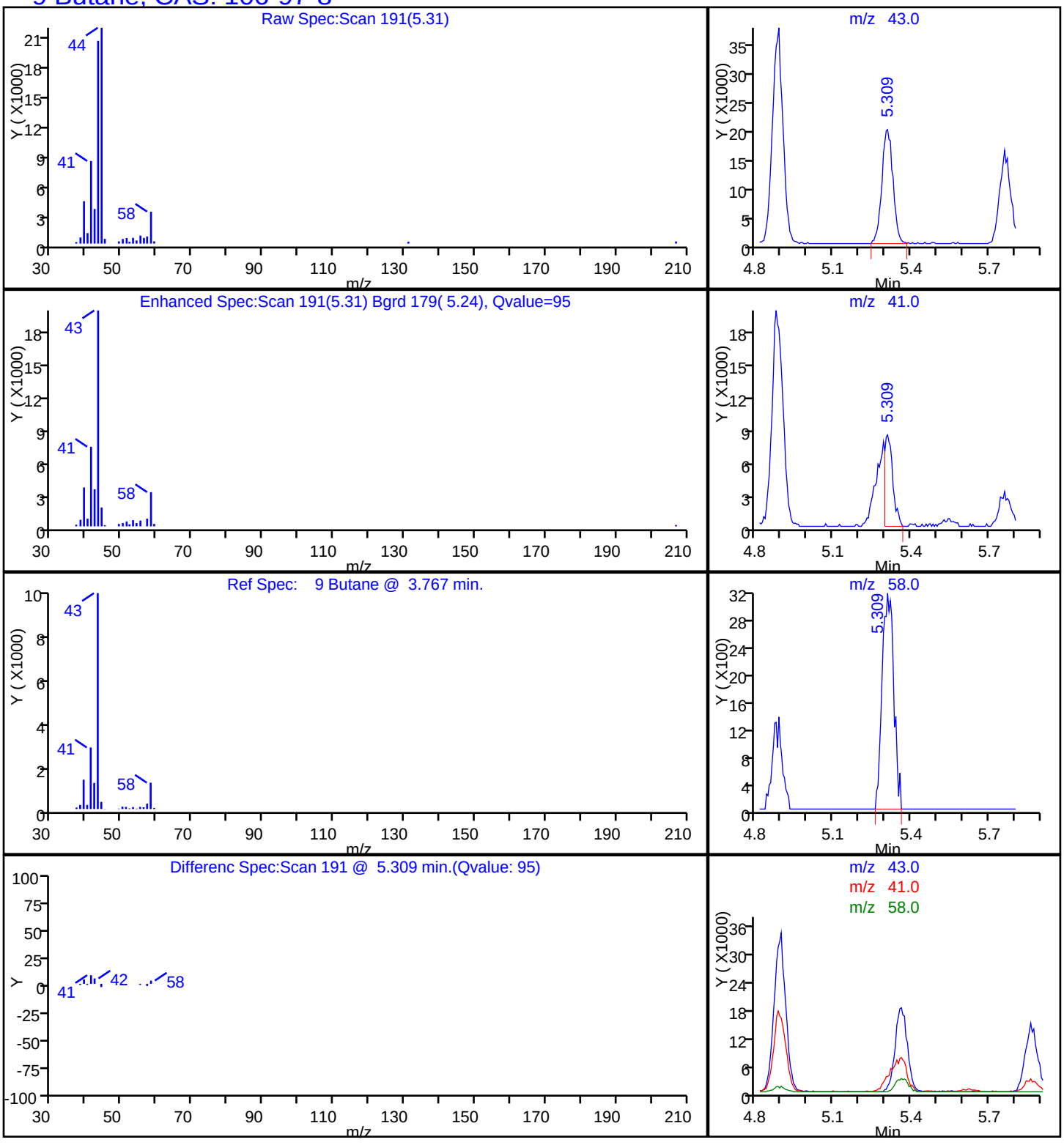
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19
Client ID:	IA-VMP-3E		
Operator ID:	bl	ALS Bottle#:	6 Worklist Smp#: 24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

9 Butane, CAS: 106-97-8

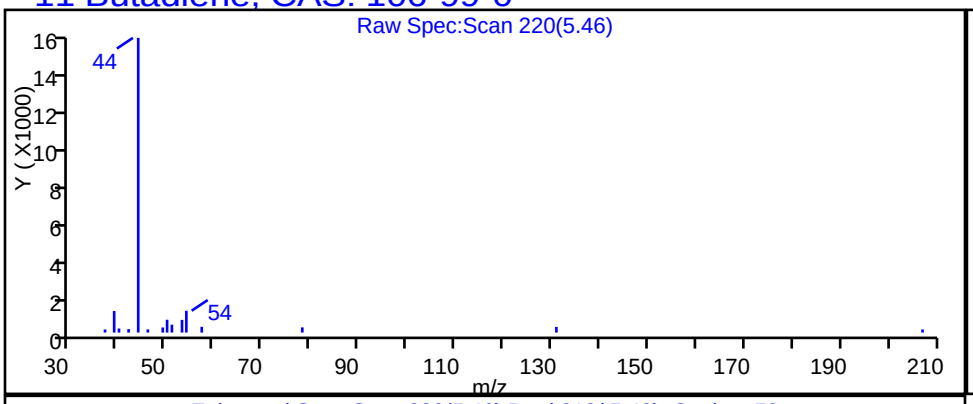


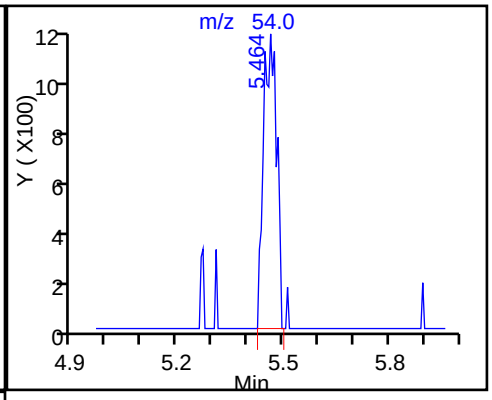
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

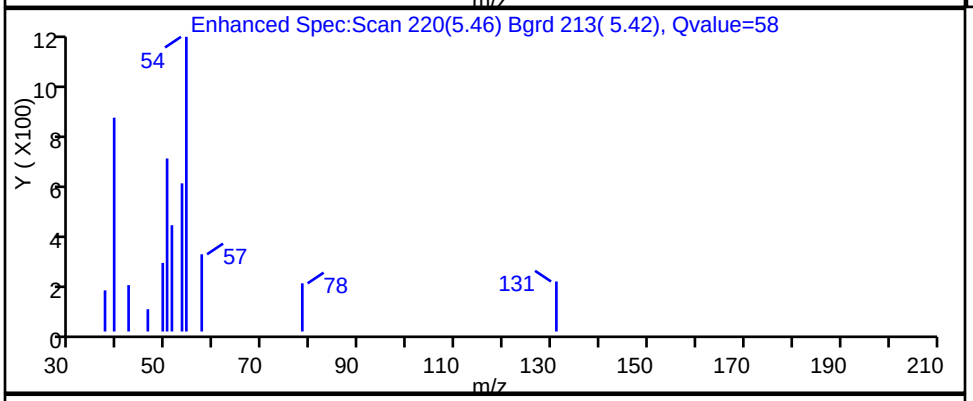
TestAmerica Burlington

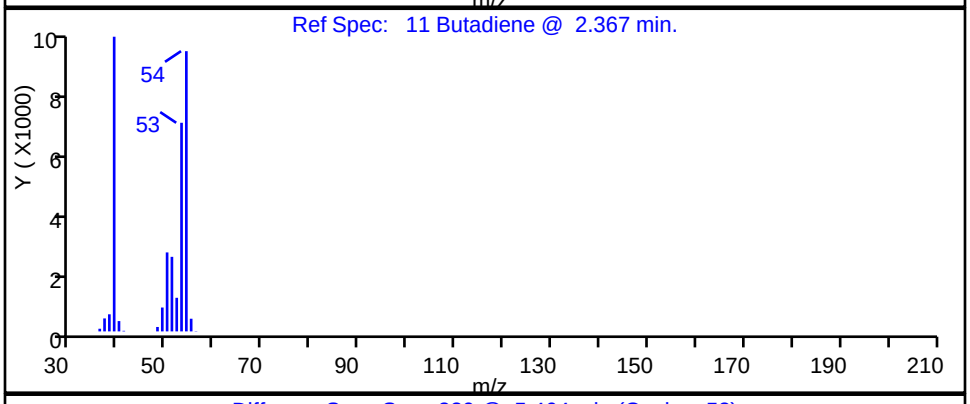
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d				
Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

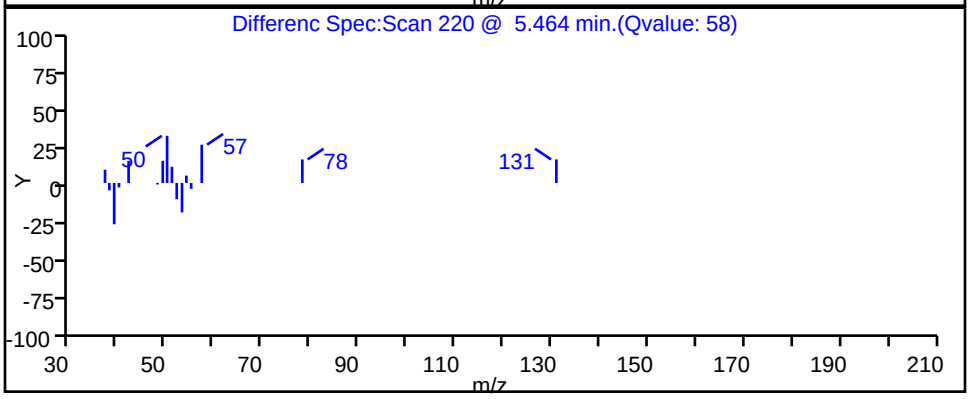
11 Butadiene, CAS: 106-99-0











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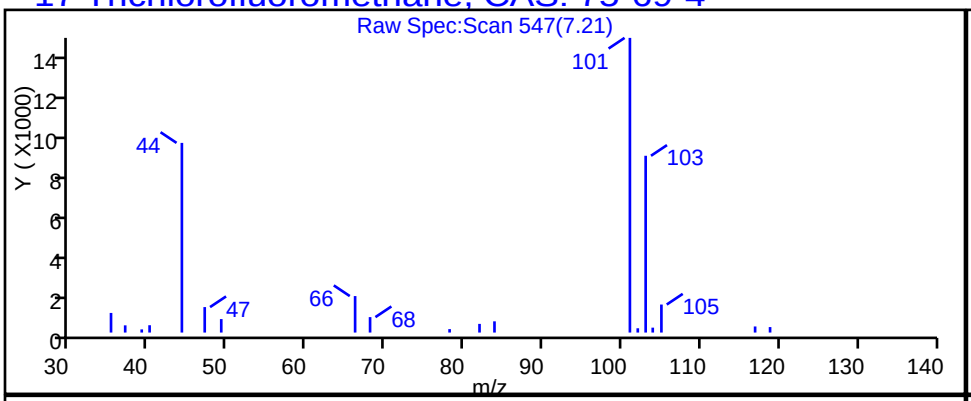
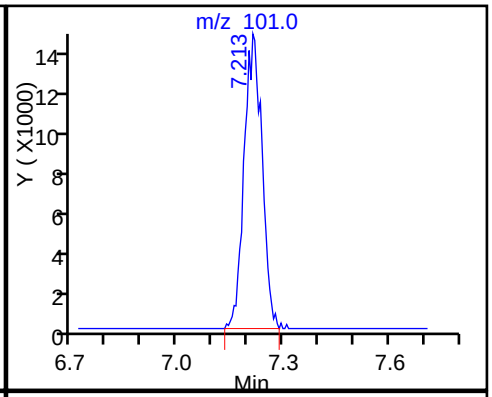
TestAmerica Burlington

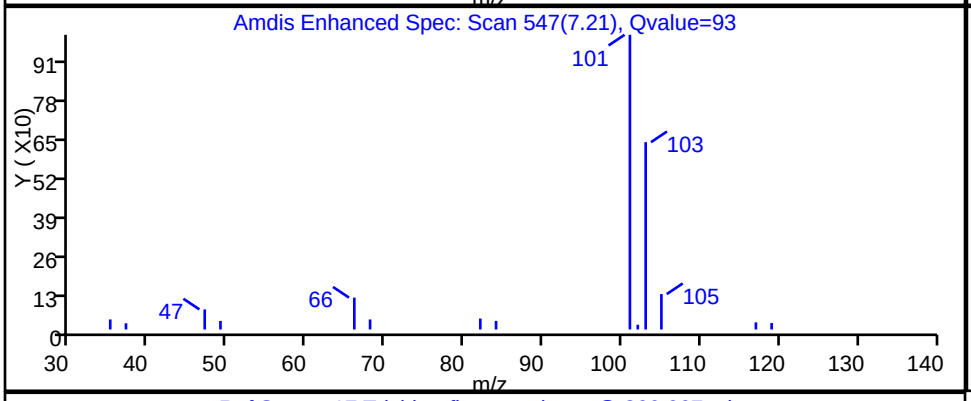
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

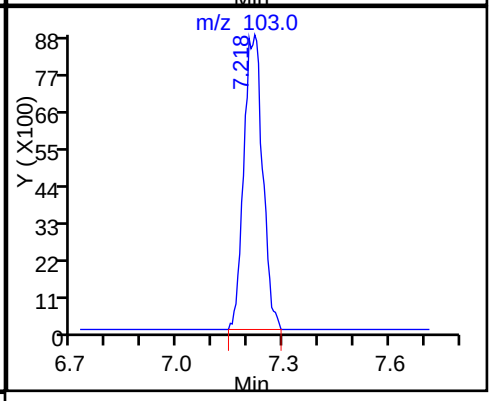
Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

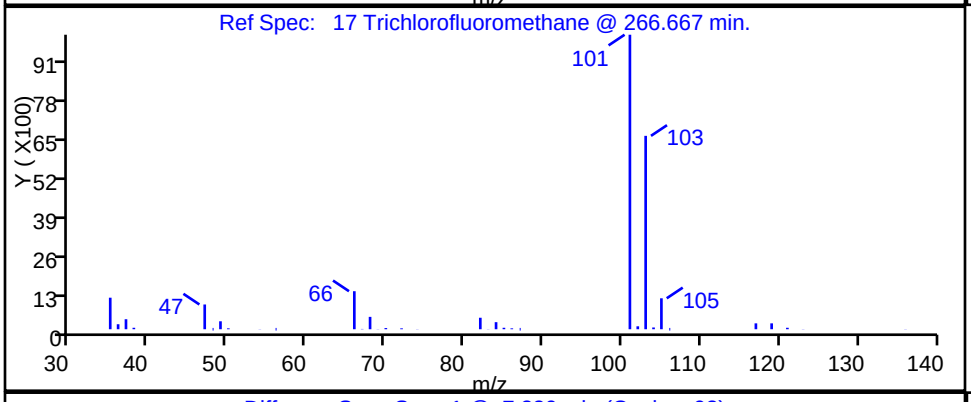
17 Trichlorofluoromethane, CAS: 75-69-4

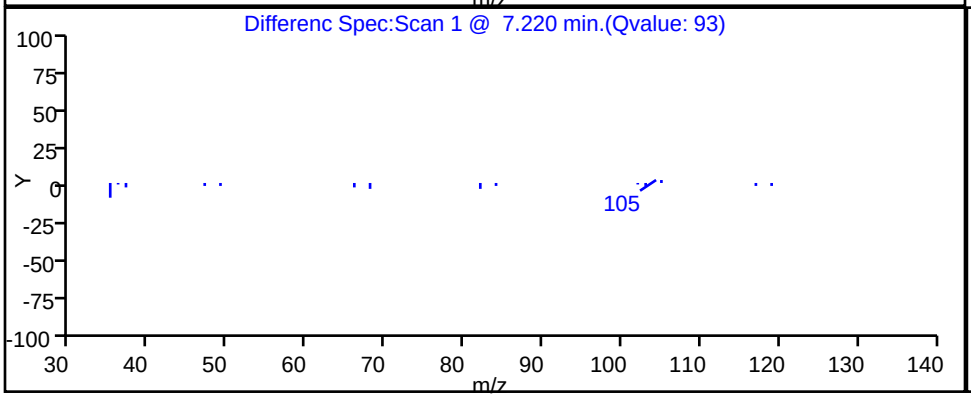


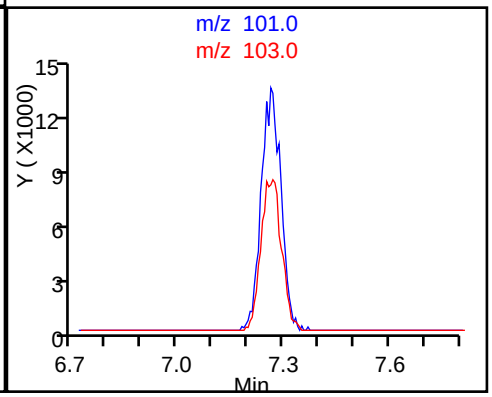












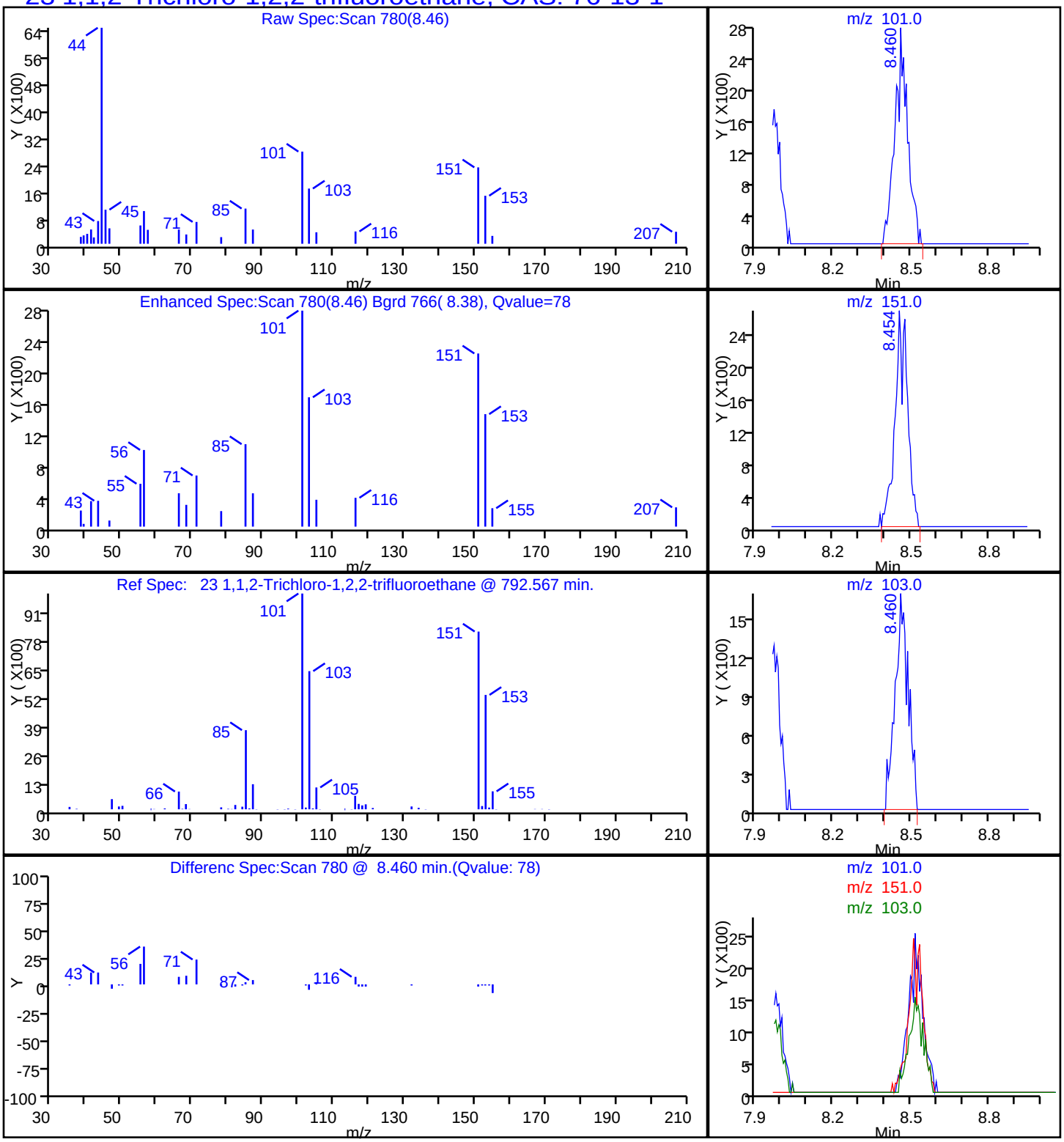
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



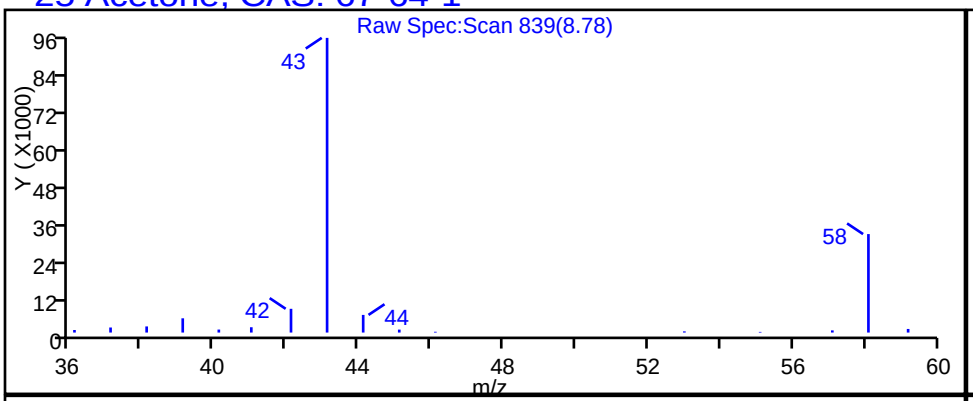
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

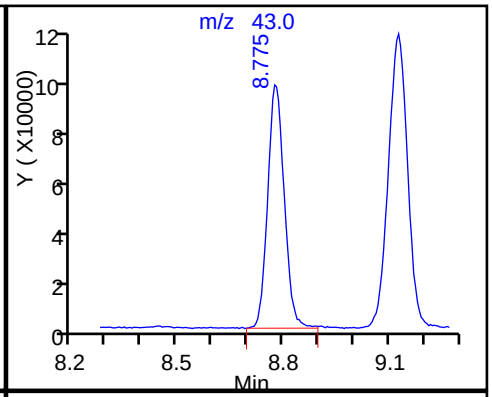
TestAmerica Burlington

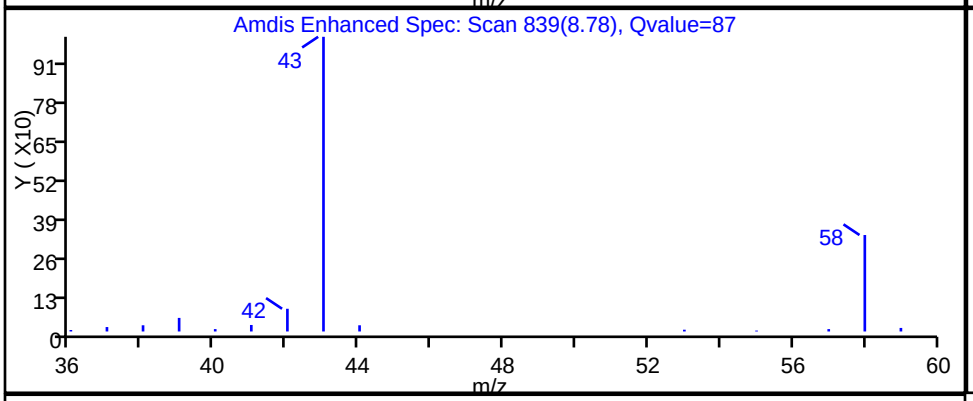
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

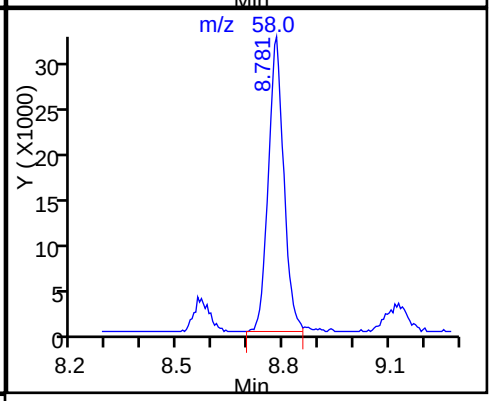
Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

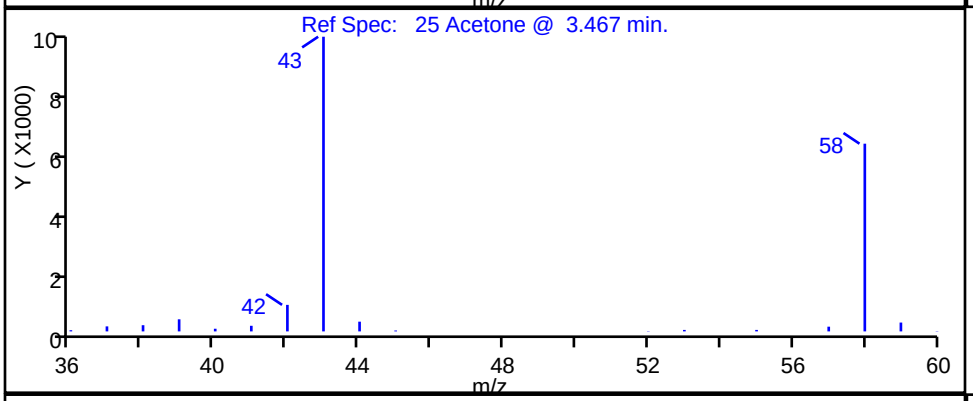
25 Acetone, CAS: 67-64-1

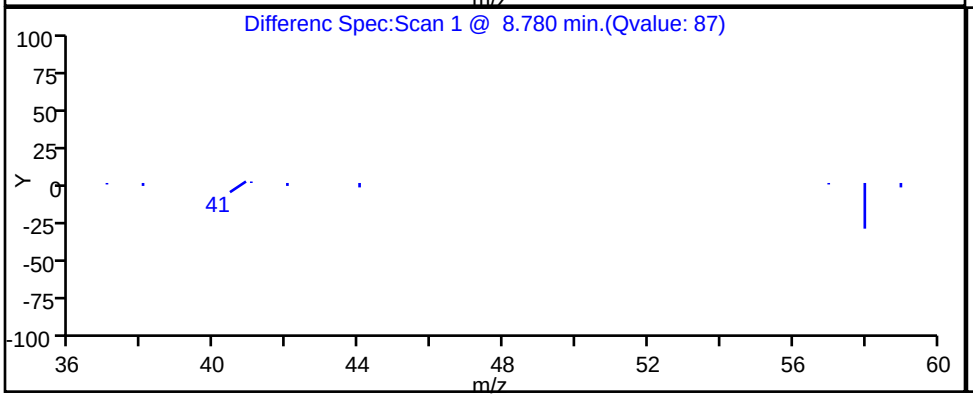


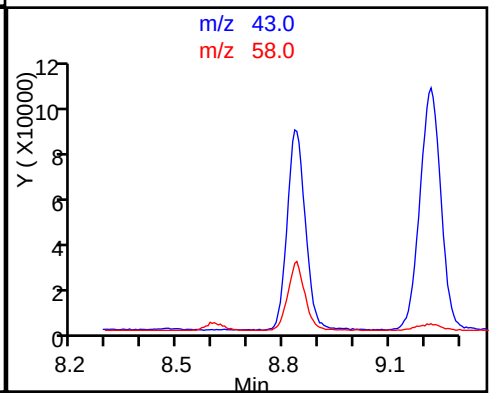












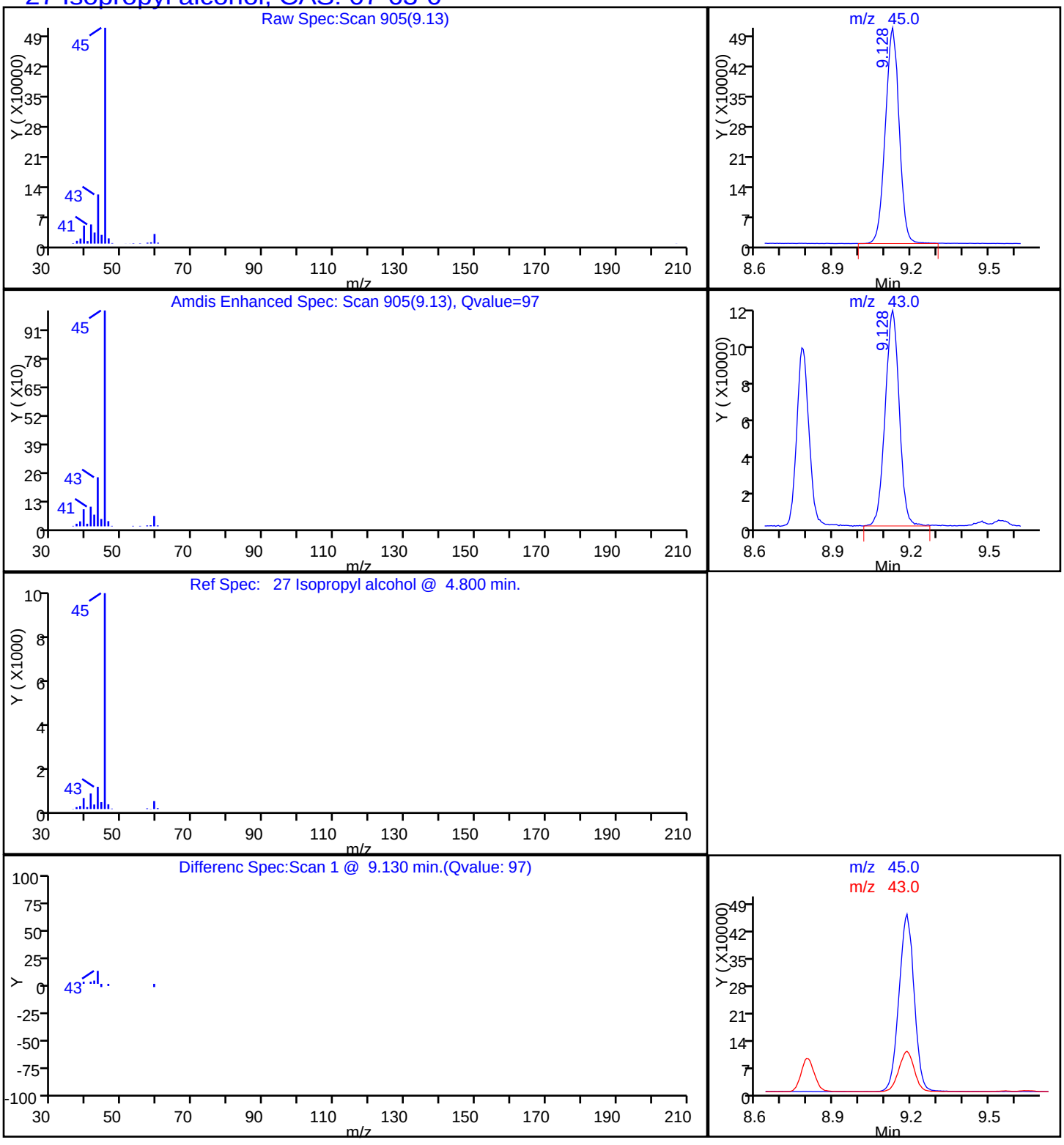
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



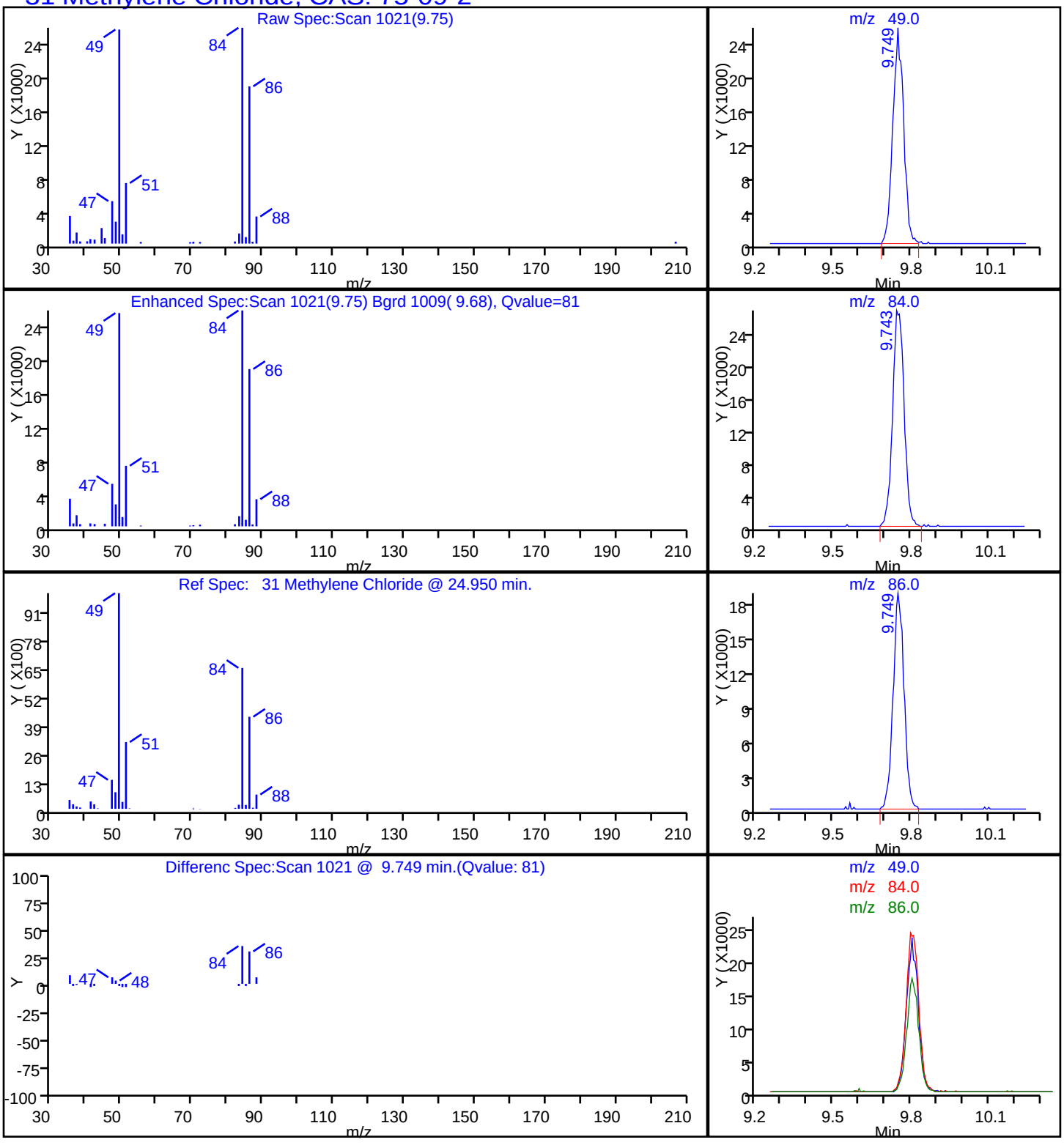
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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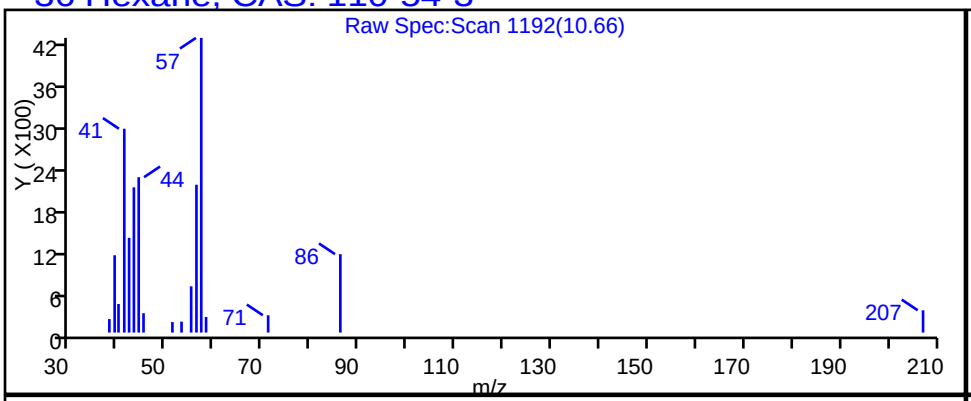
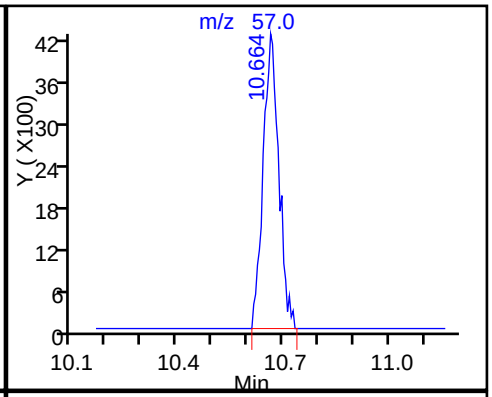
TestAmerica Burlington

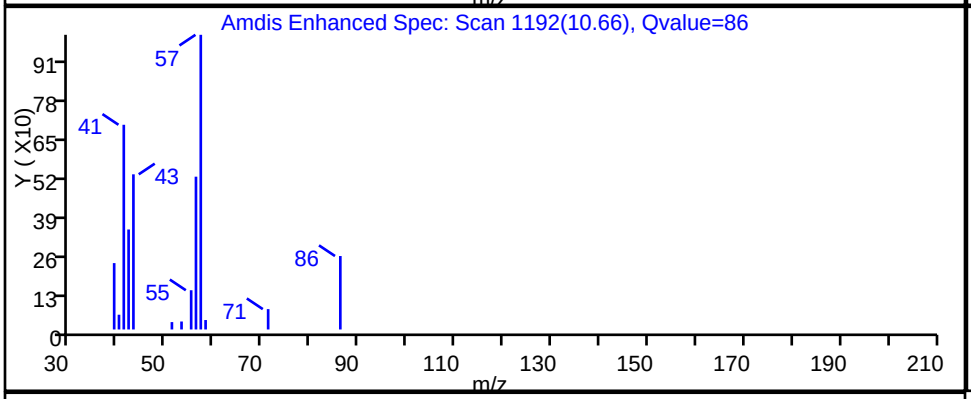
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

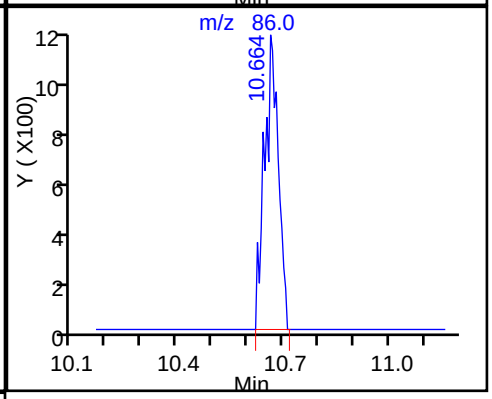
Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

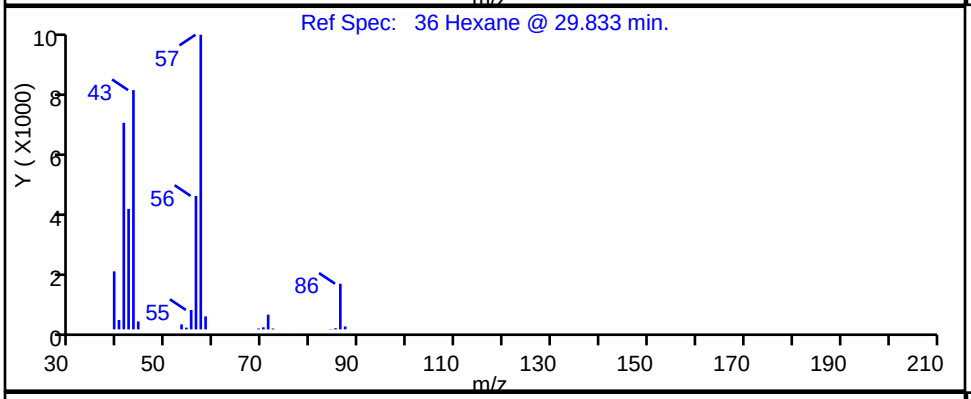
36 Hexane, CAS: 110-54-3

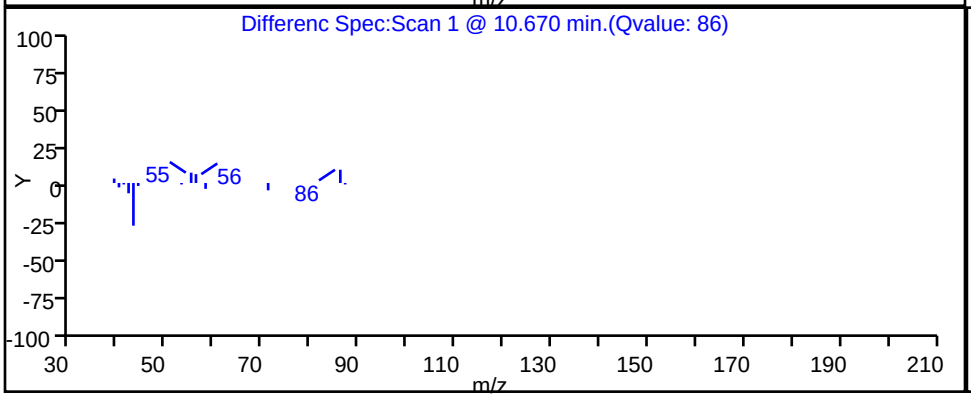


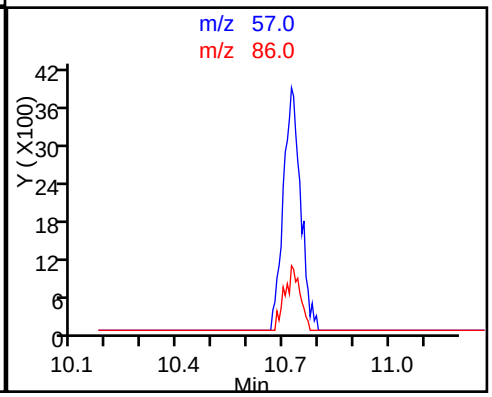










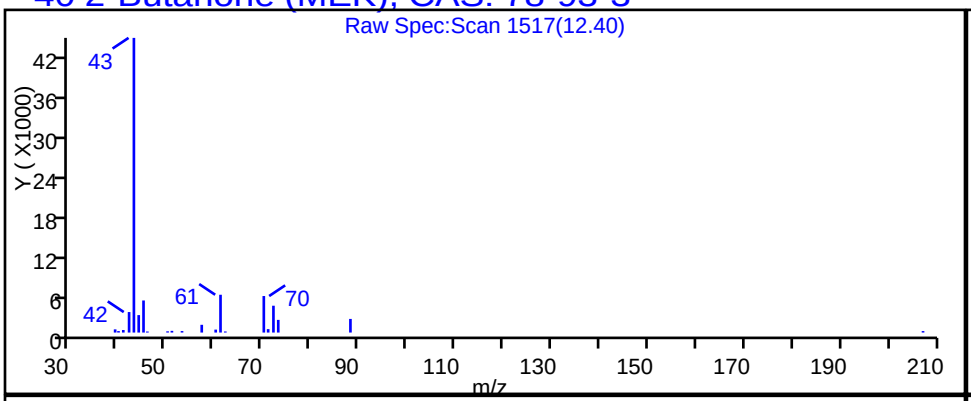


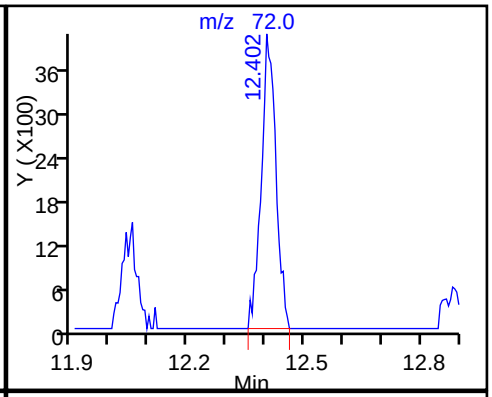
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

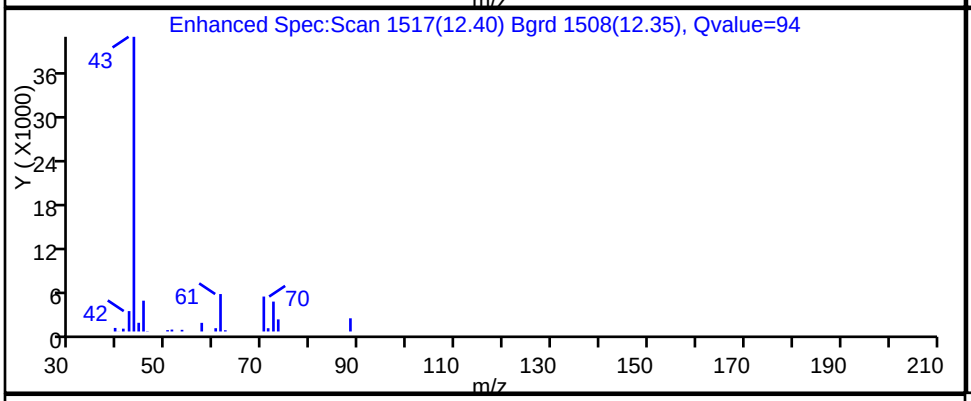
TestAmerica Burlington

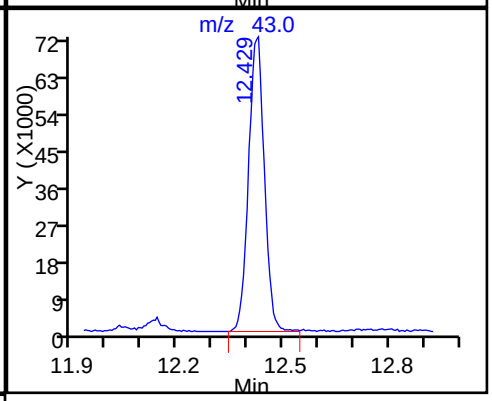
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d				
Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

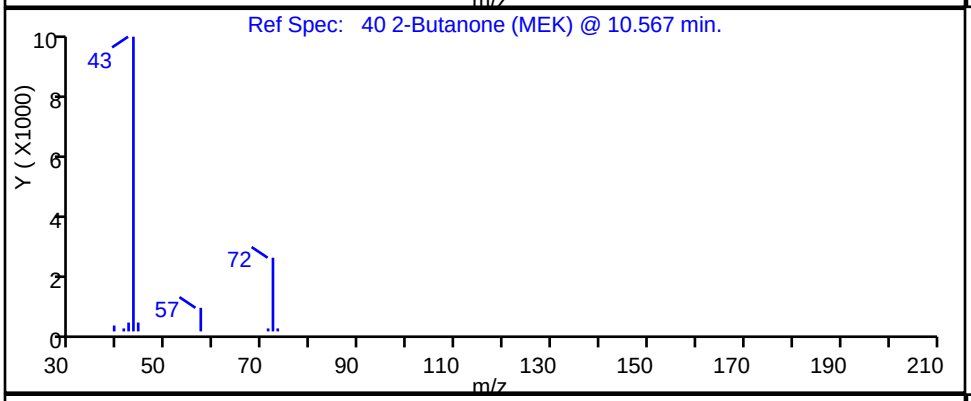
40 2-Butanone (MEK), CAS: 78-93-3

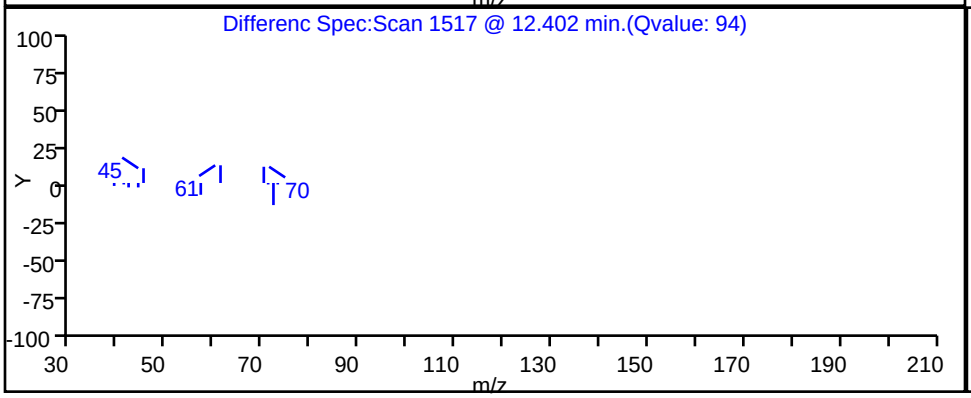


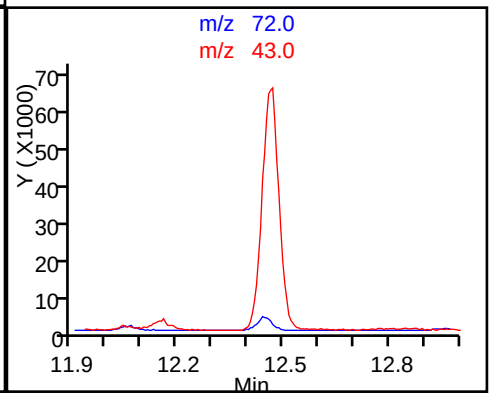












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TestAmerica Burlington

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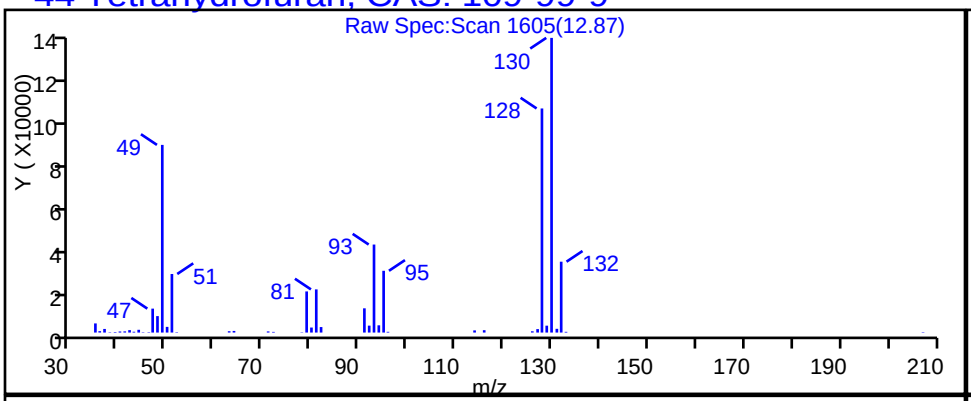
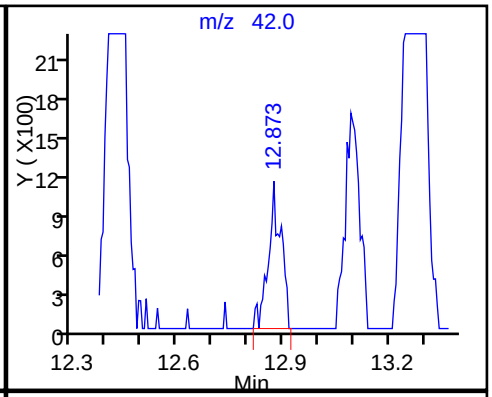
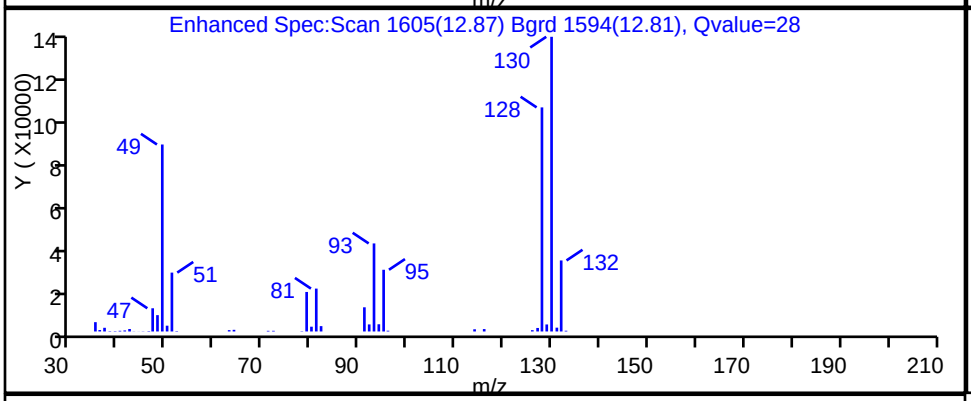
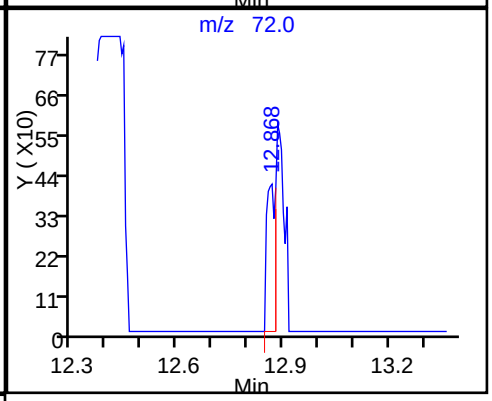
Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

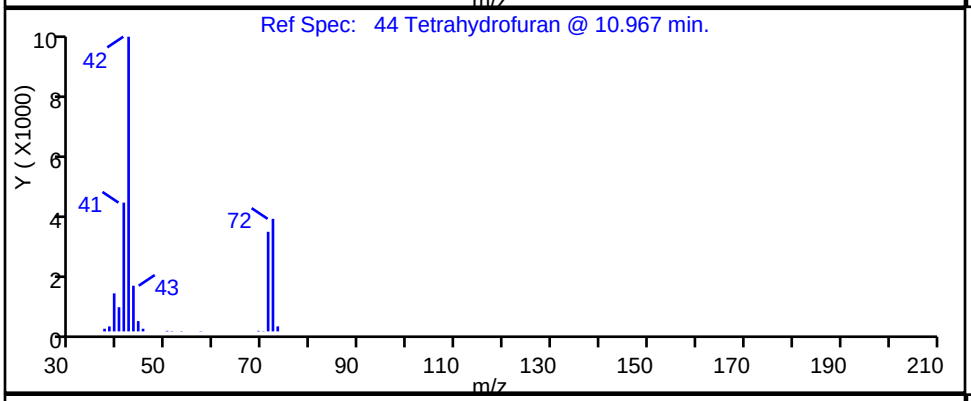
44 Tetrahydrofuran, CAS: 109-99-9

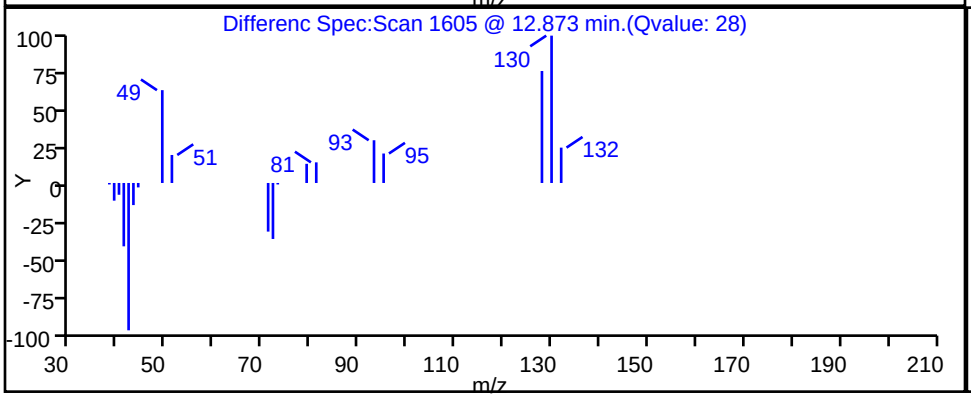


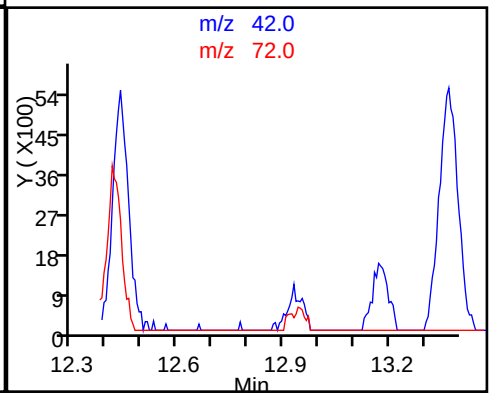












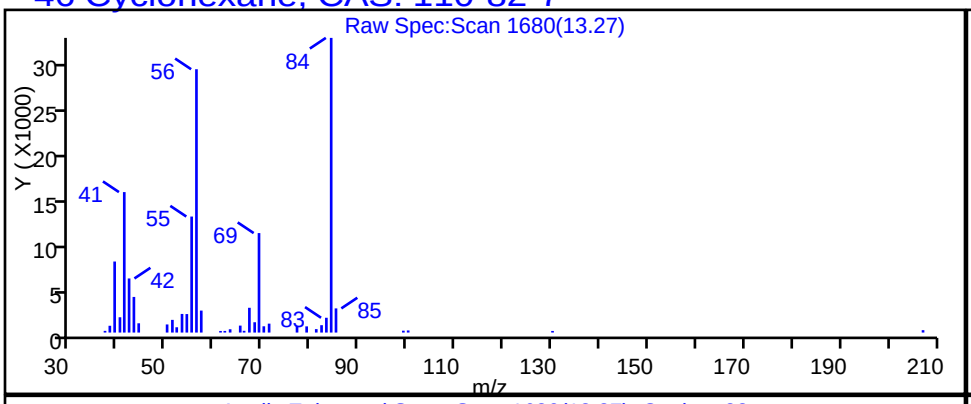
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

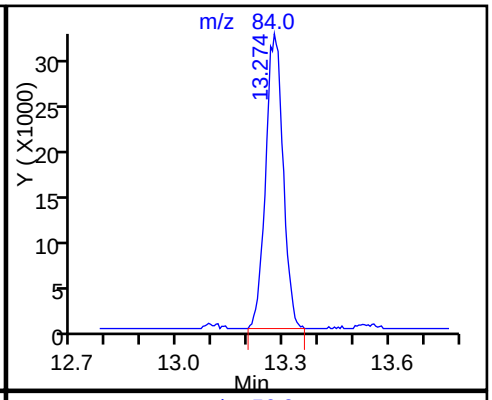
TestAmerica Burlington

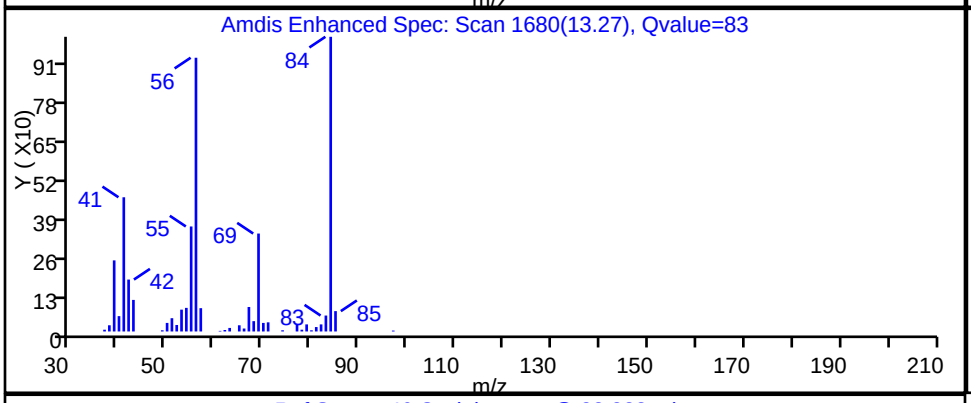
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

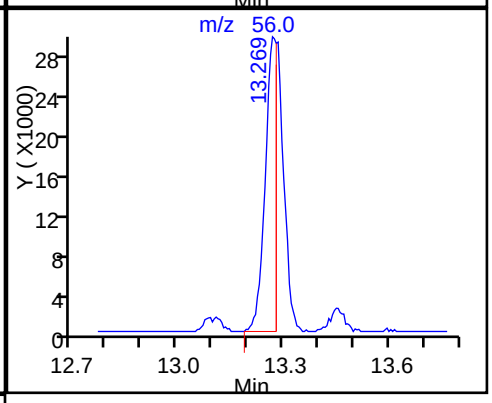
Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

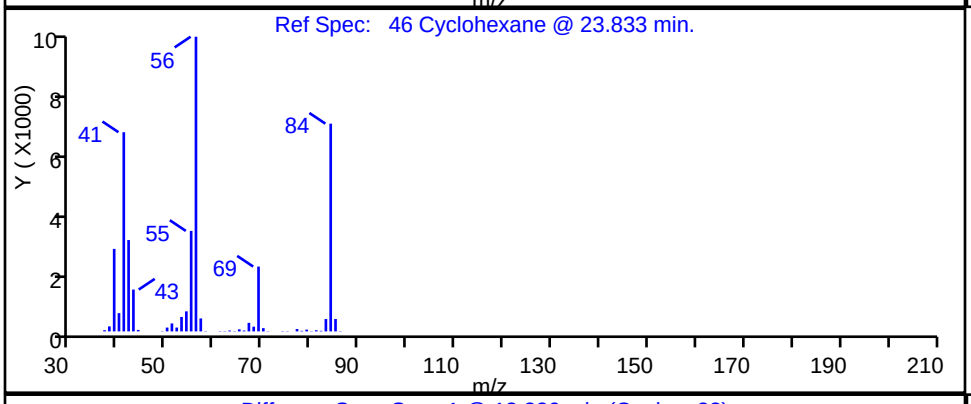
46 Cyclohexane, CAS: 110-82-7

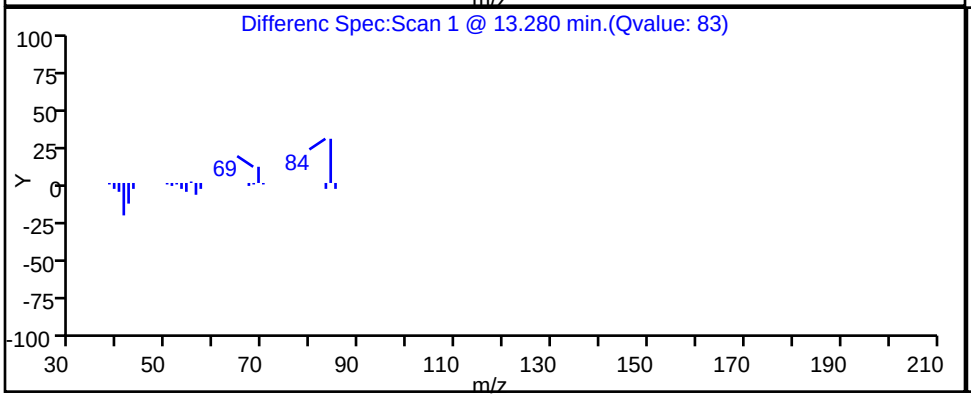


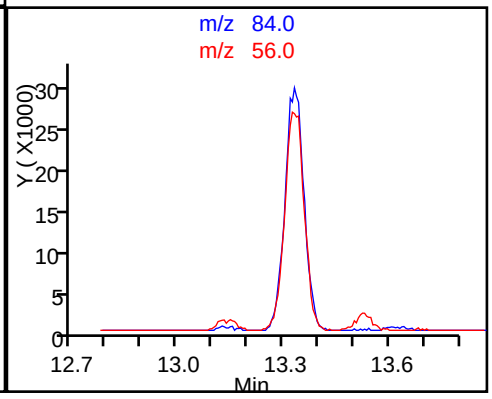












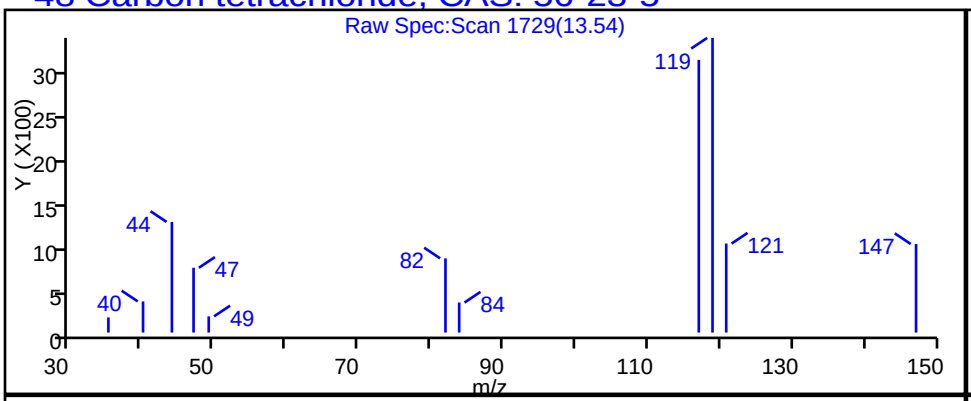
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

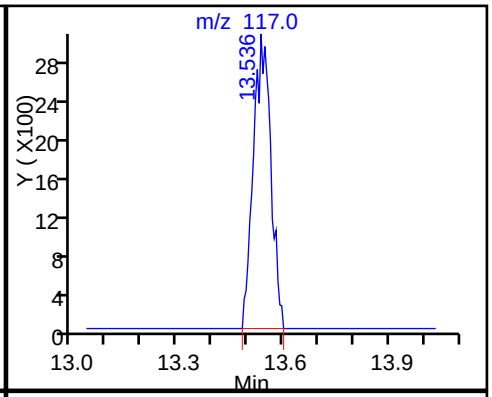
TestAmerica Burlington

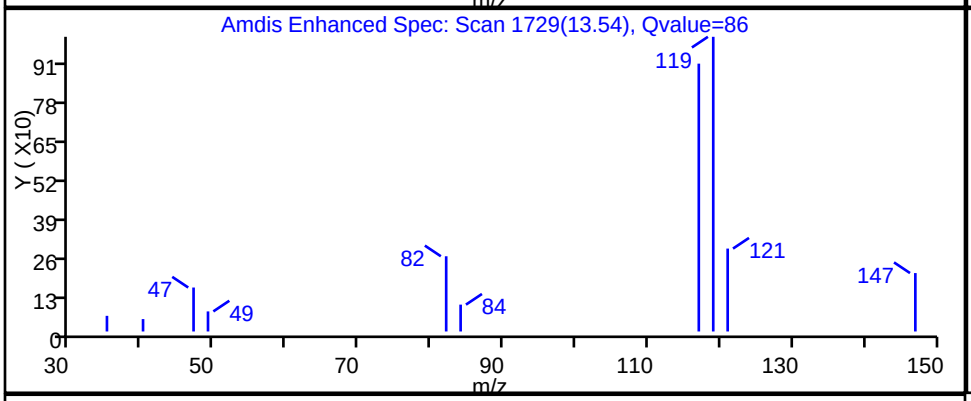
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

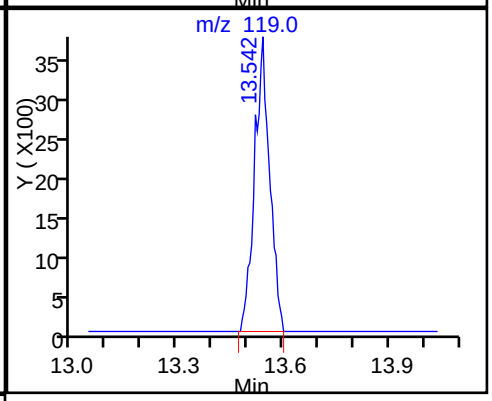
Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

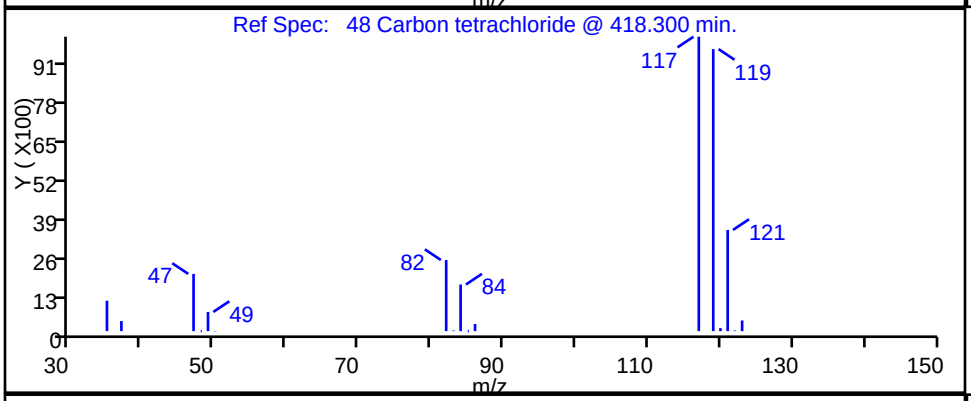
48 Carbon tetrachloride, CAS: 56-23-5

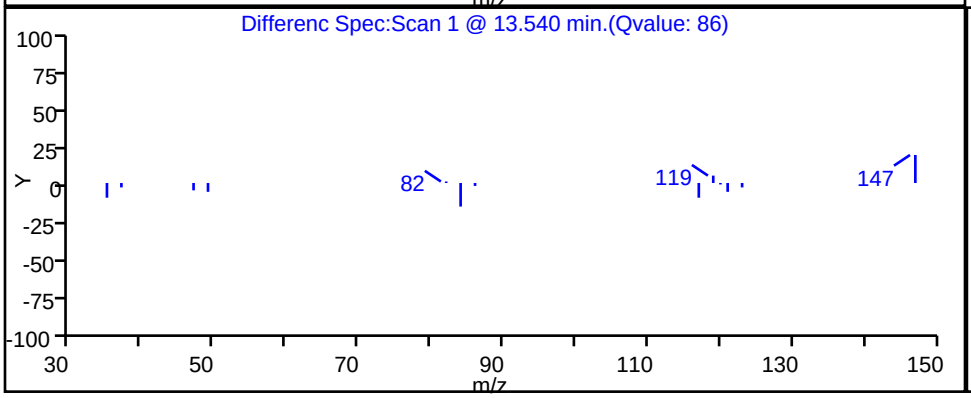


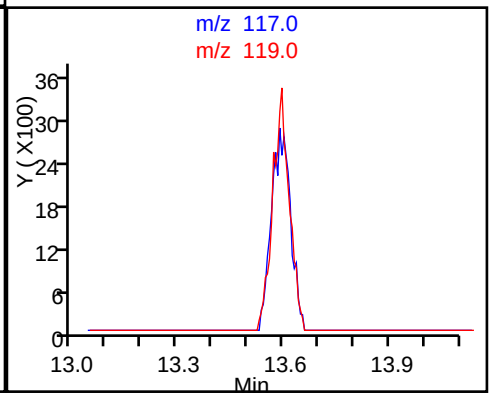












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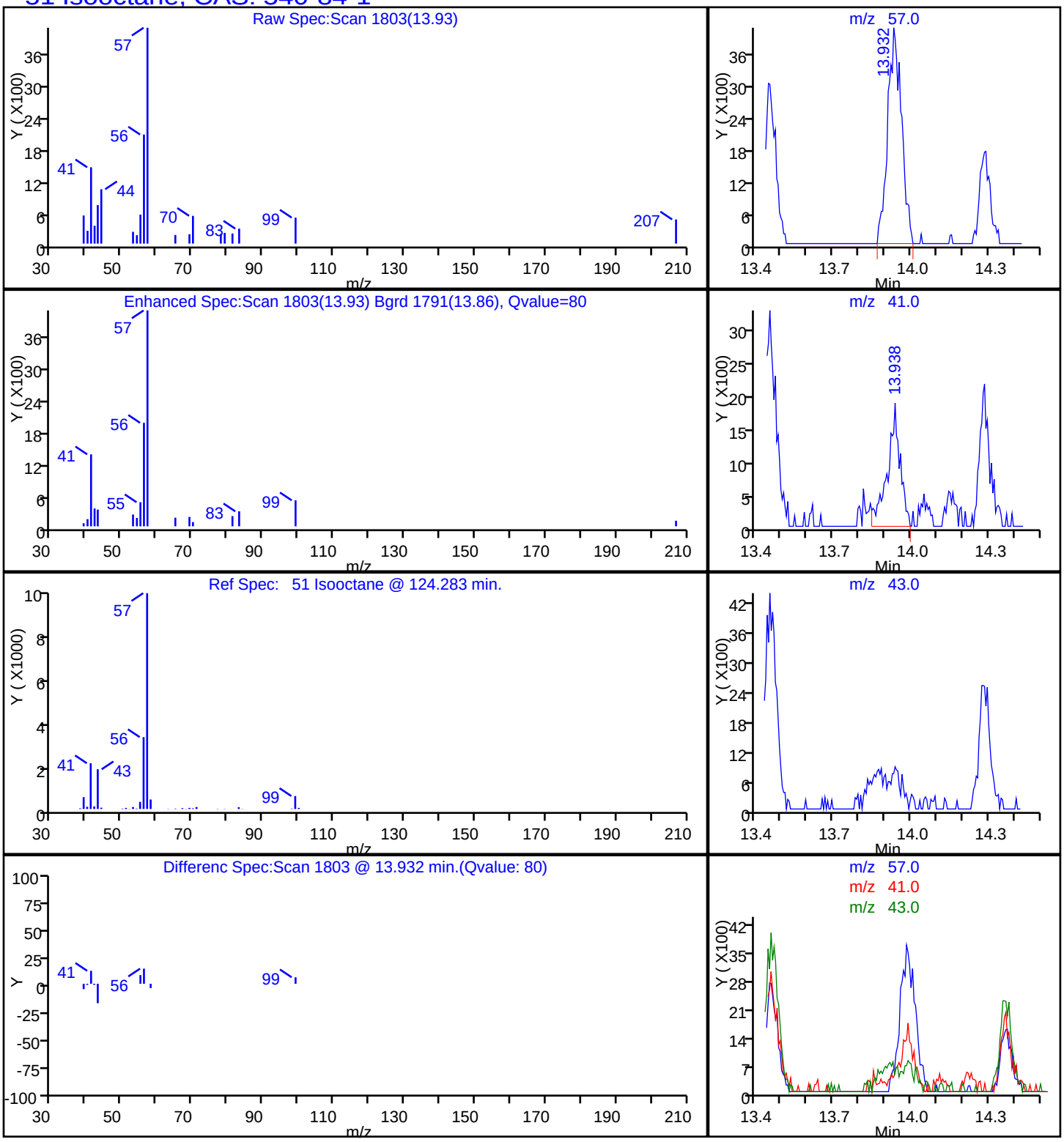
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1



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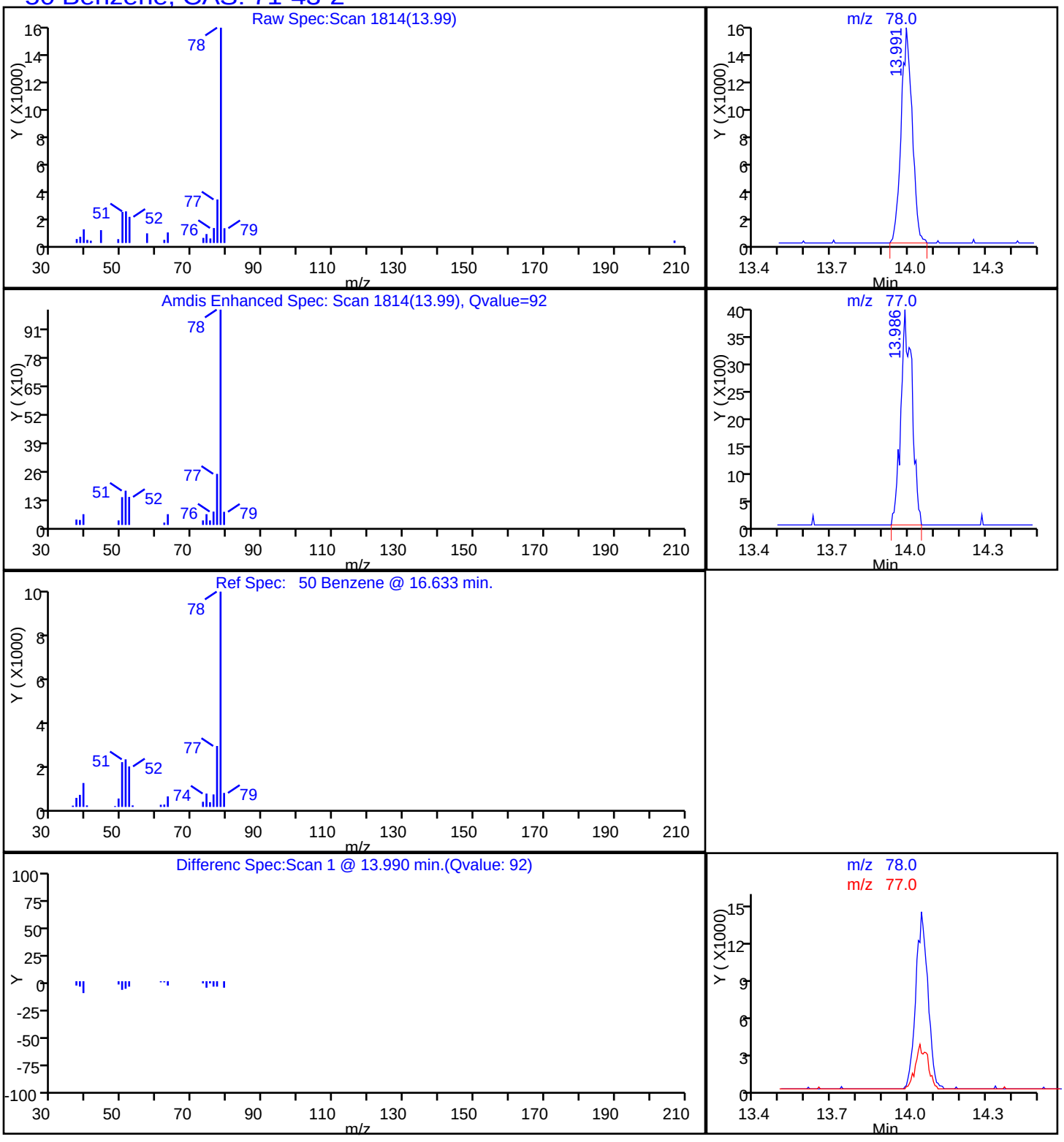
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19
Client ID:	IA-VMP-3E		
Operator ID:	bl	ALS Bottle#:	6 Worklist Smp#: 24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

50 Benzene, CAS: 71-43-2



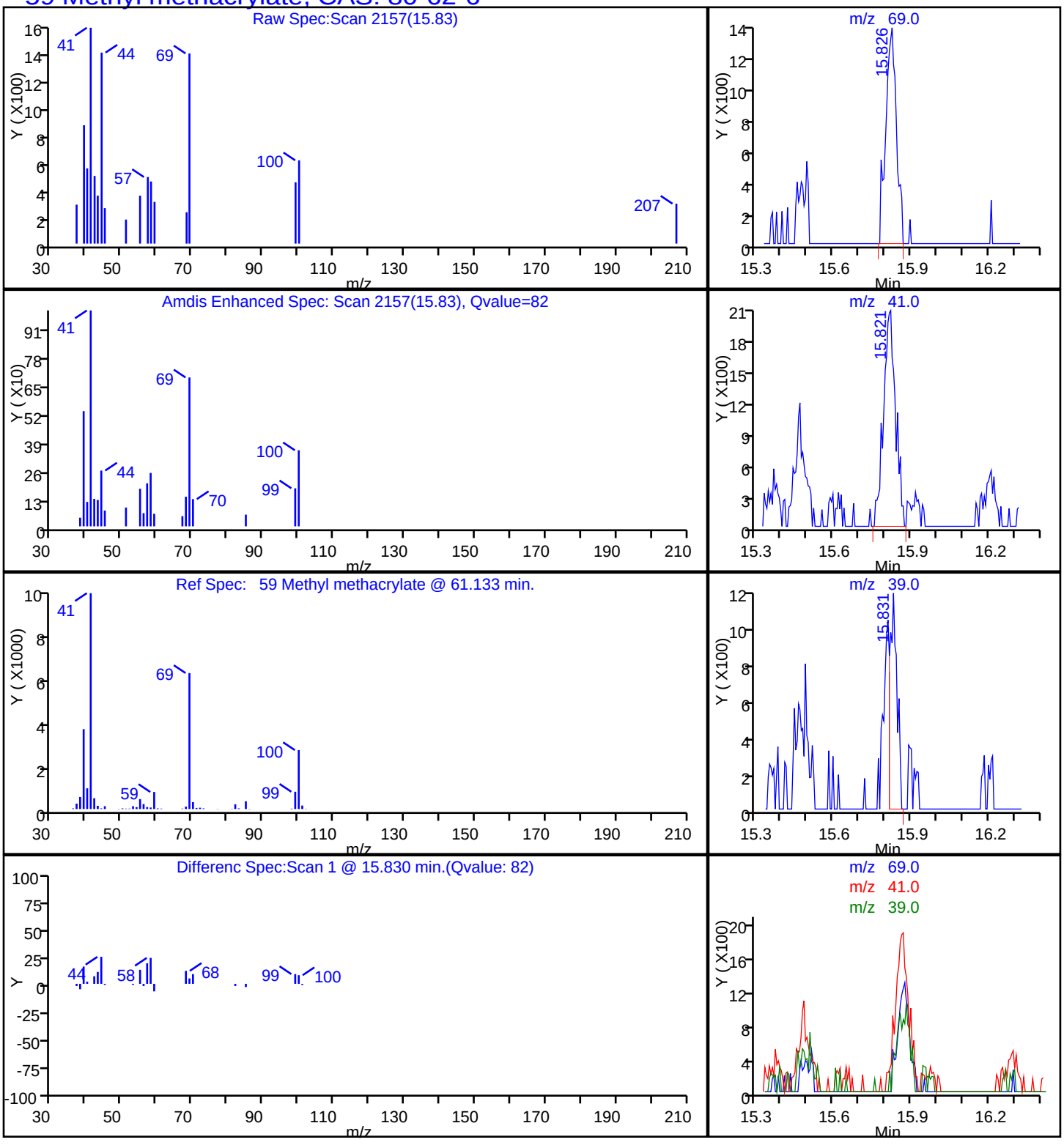
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

59 Methyl methacrylate, CAS: 80-62-6



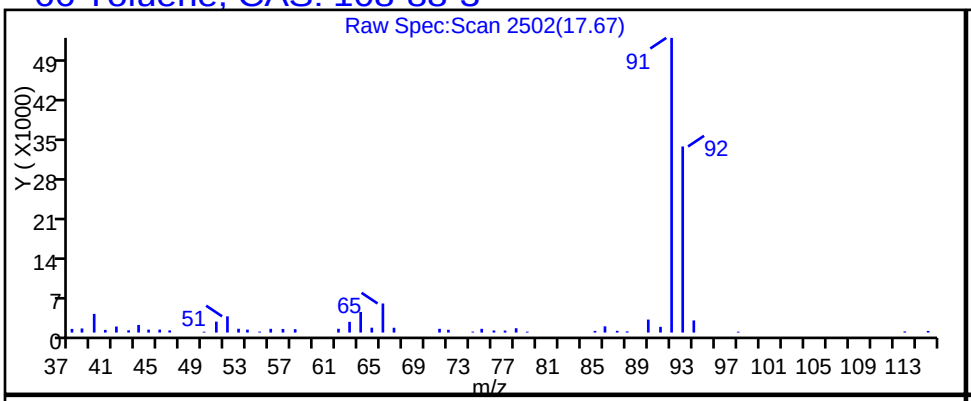
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

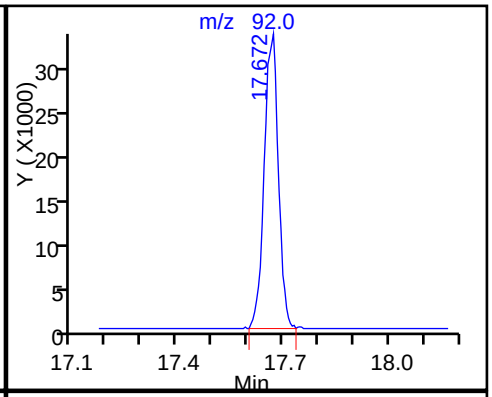
TestAmerica Burlington

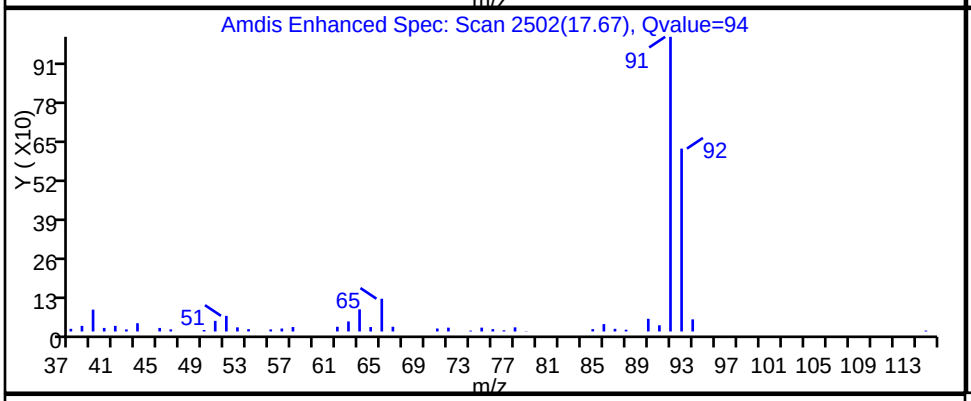
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

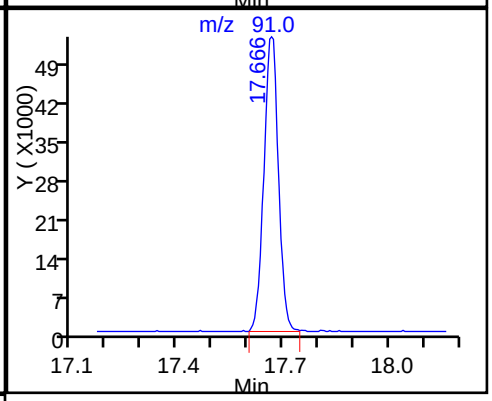
Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

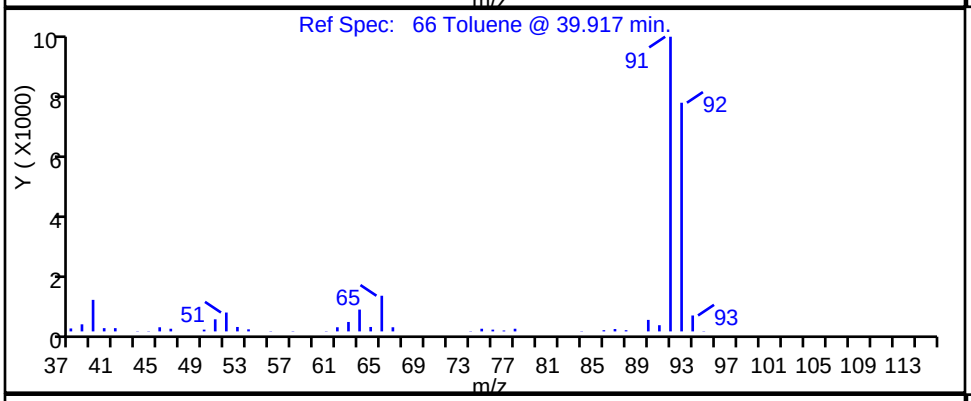
66 Toluene, CAS: 108-88-3

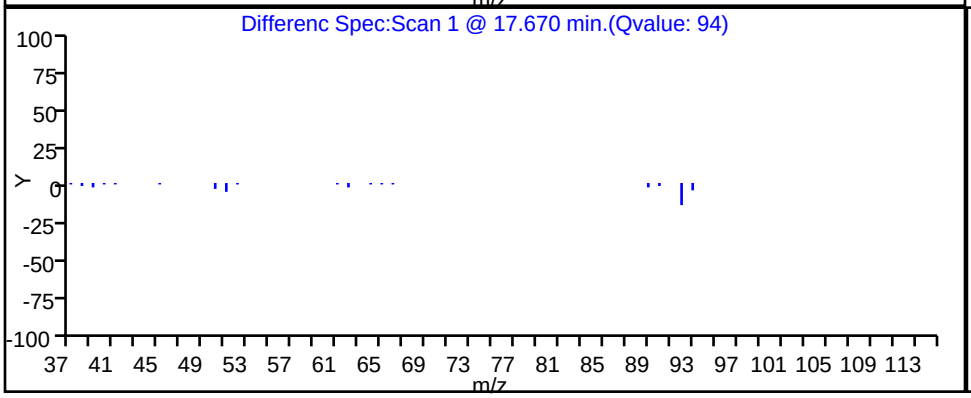


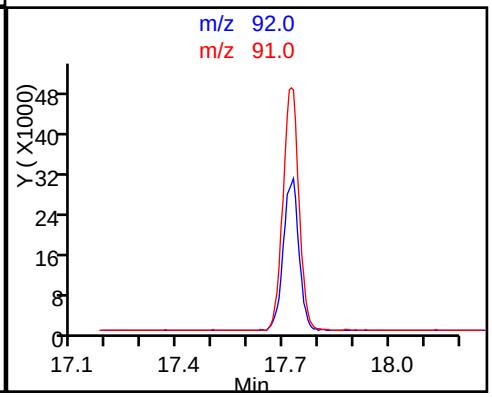












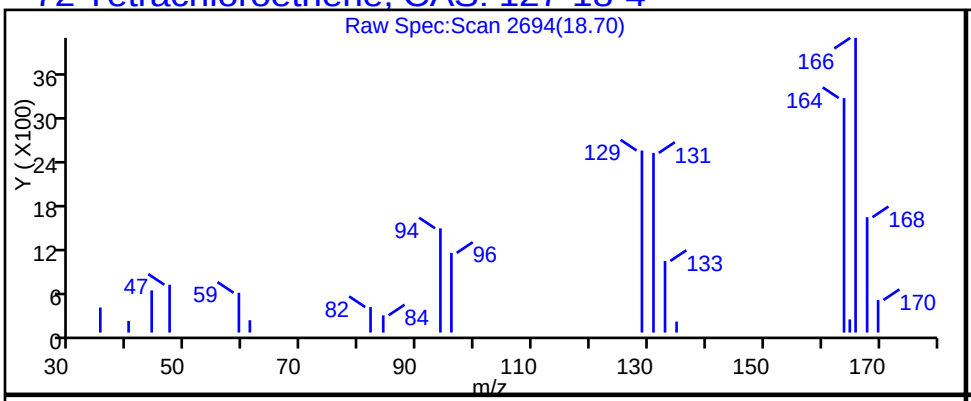
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

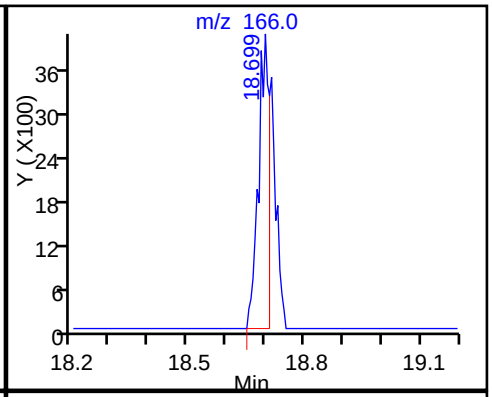
TestAmerica Burlington

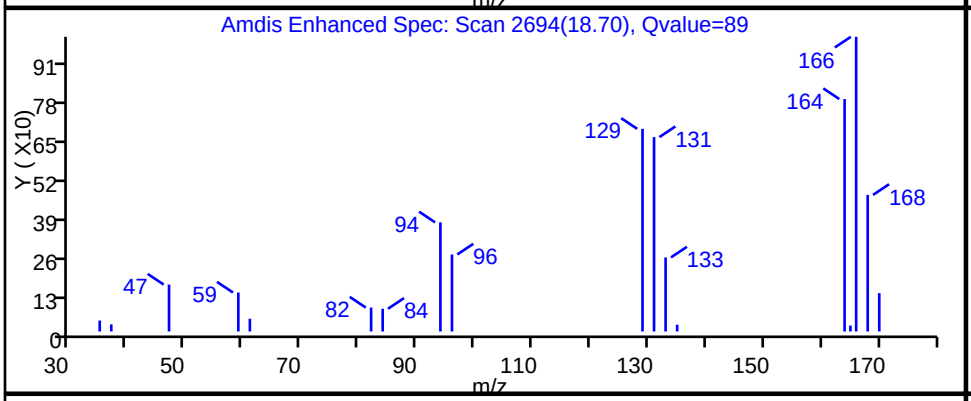
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

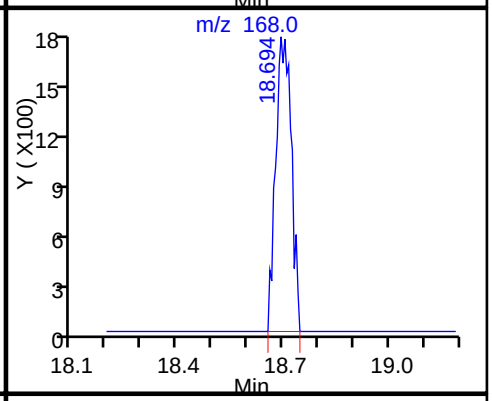
Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

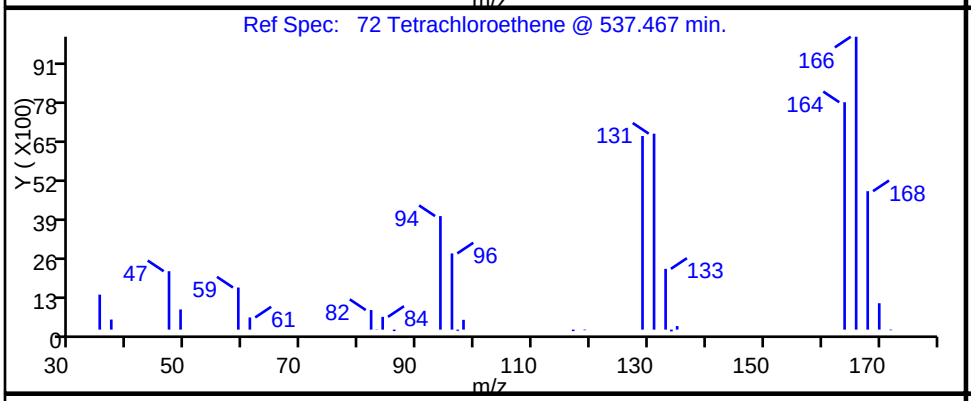
72 Tetrachloroethene, CAS: 127-18-4

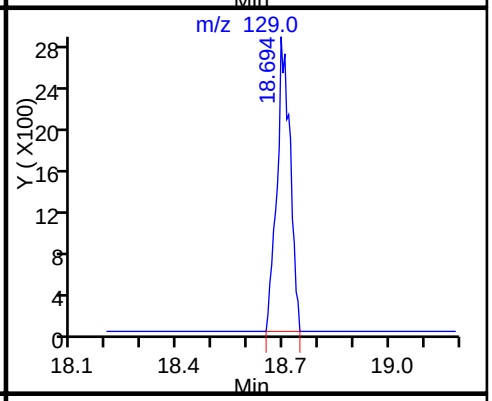


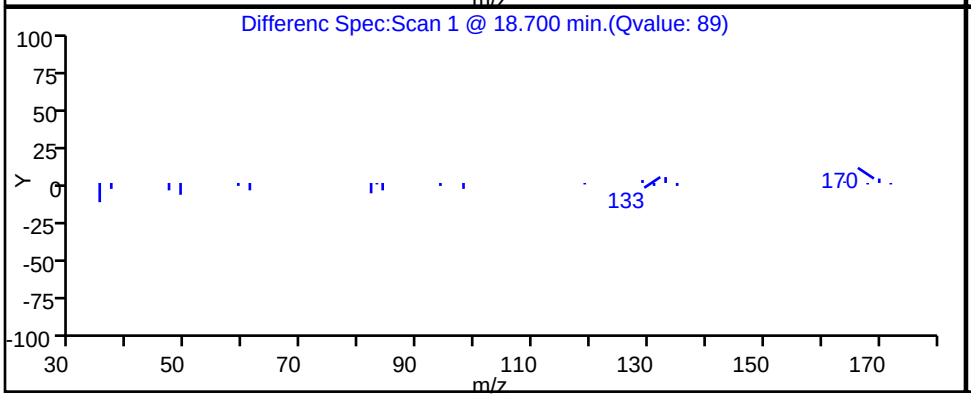


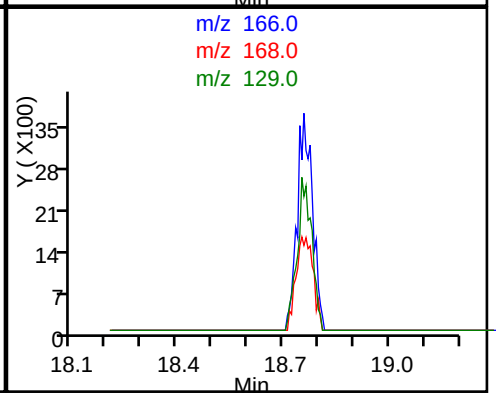












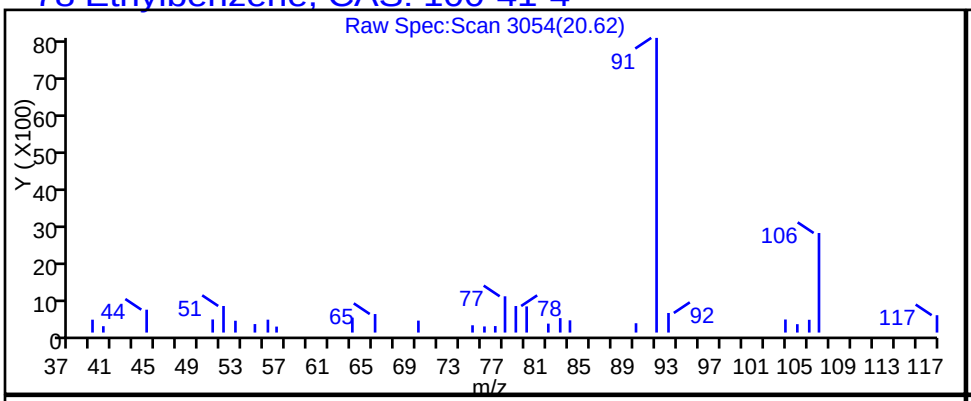
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

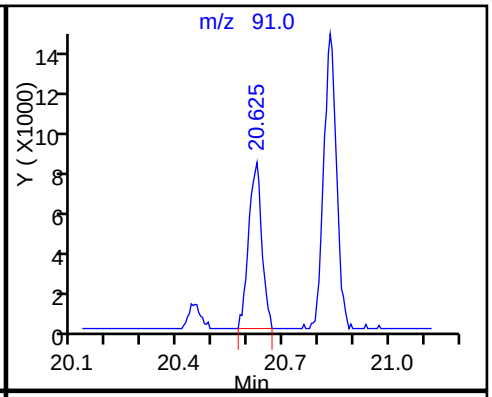
TestAmerica Burlington

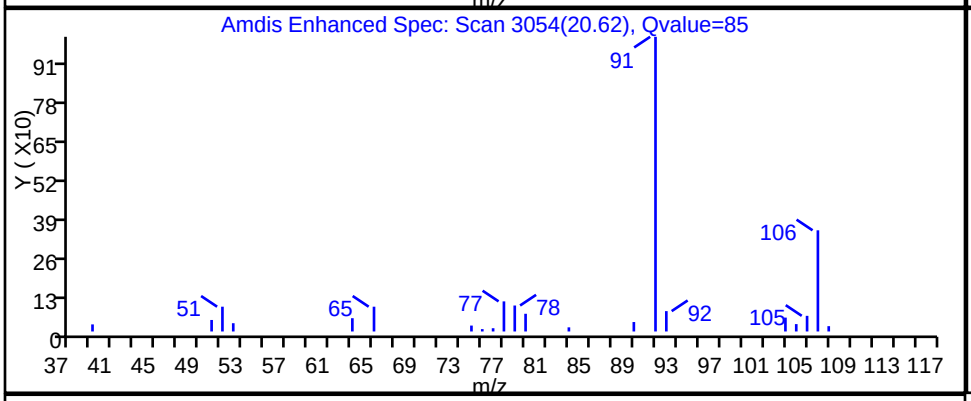
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

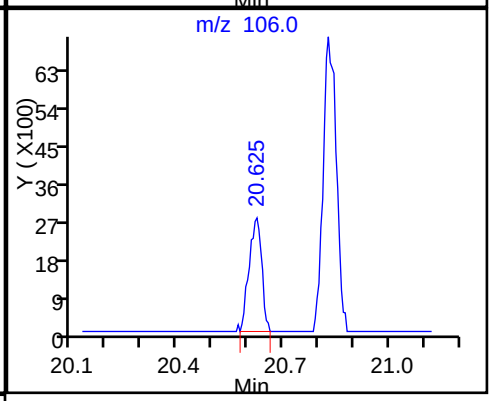
Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

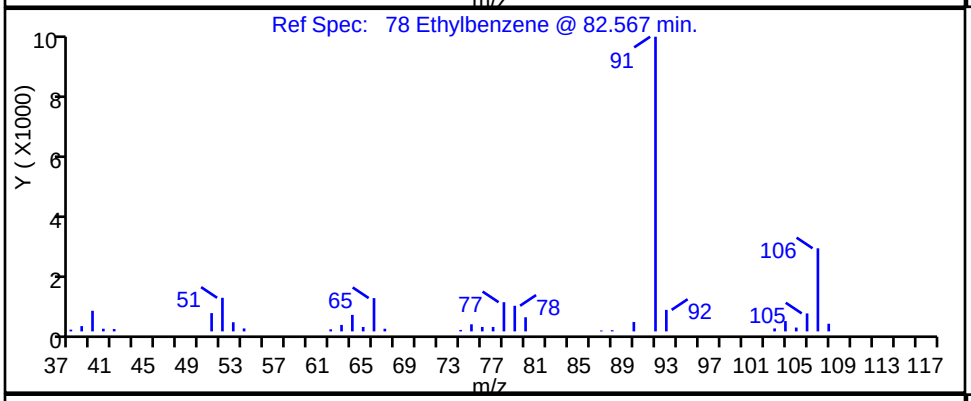
78 Ethylbenzene, CAS: 100-41-4

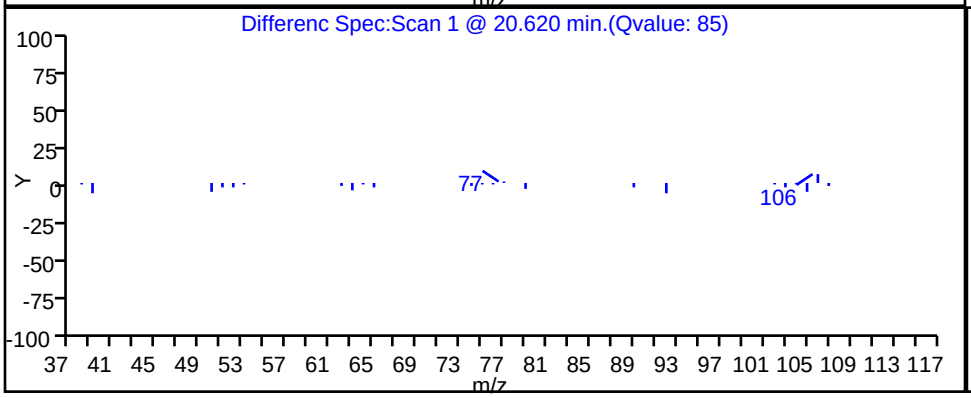


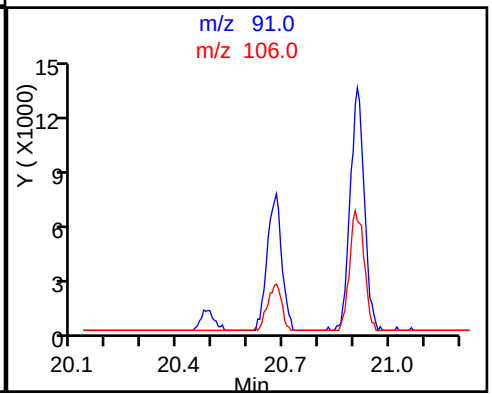










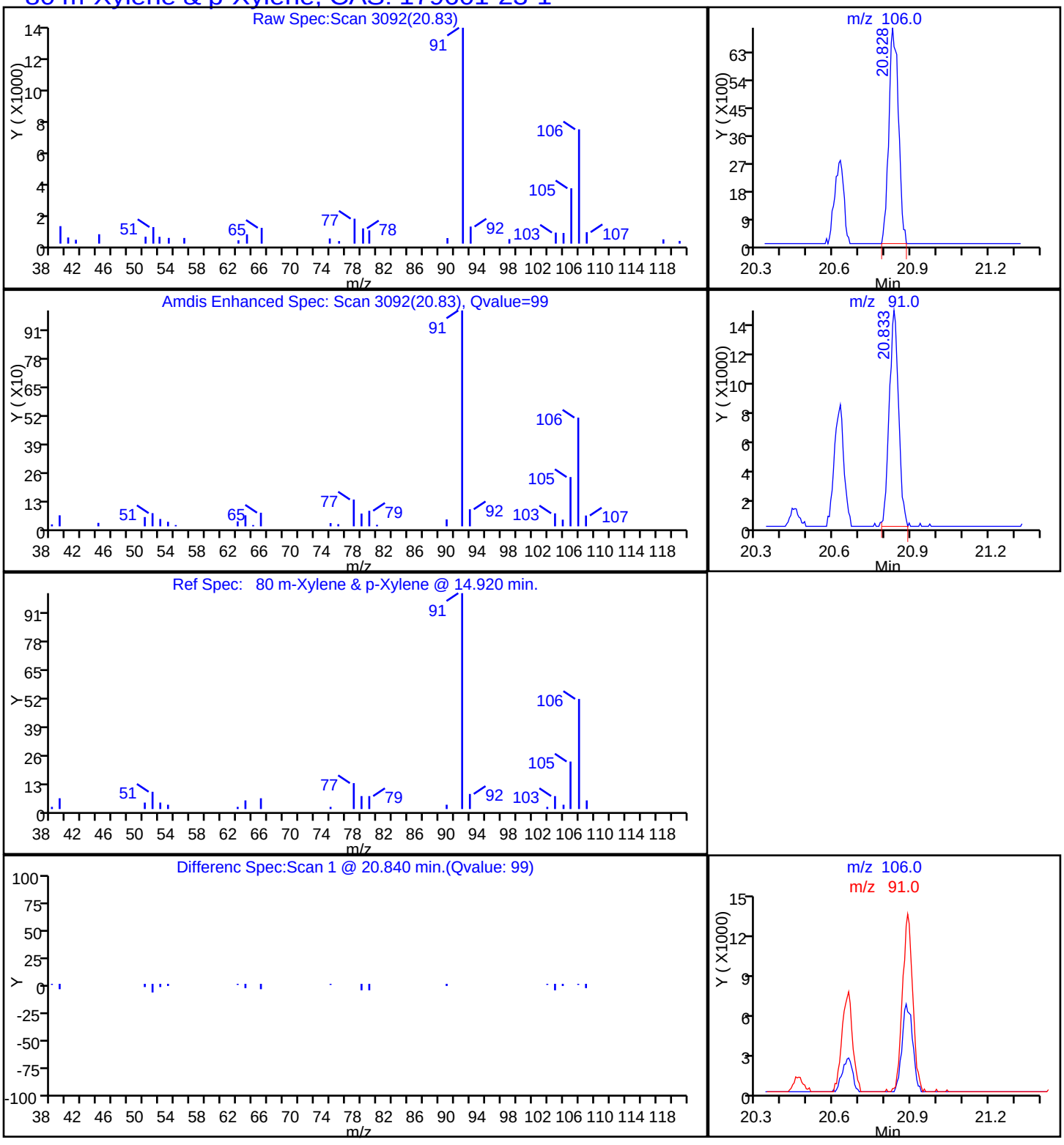


Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d				
Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



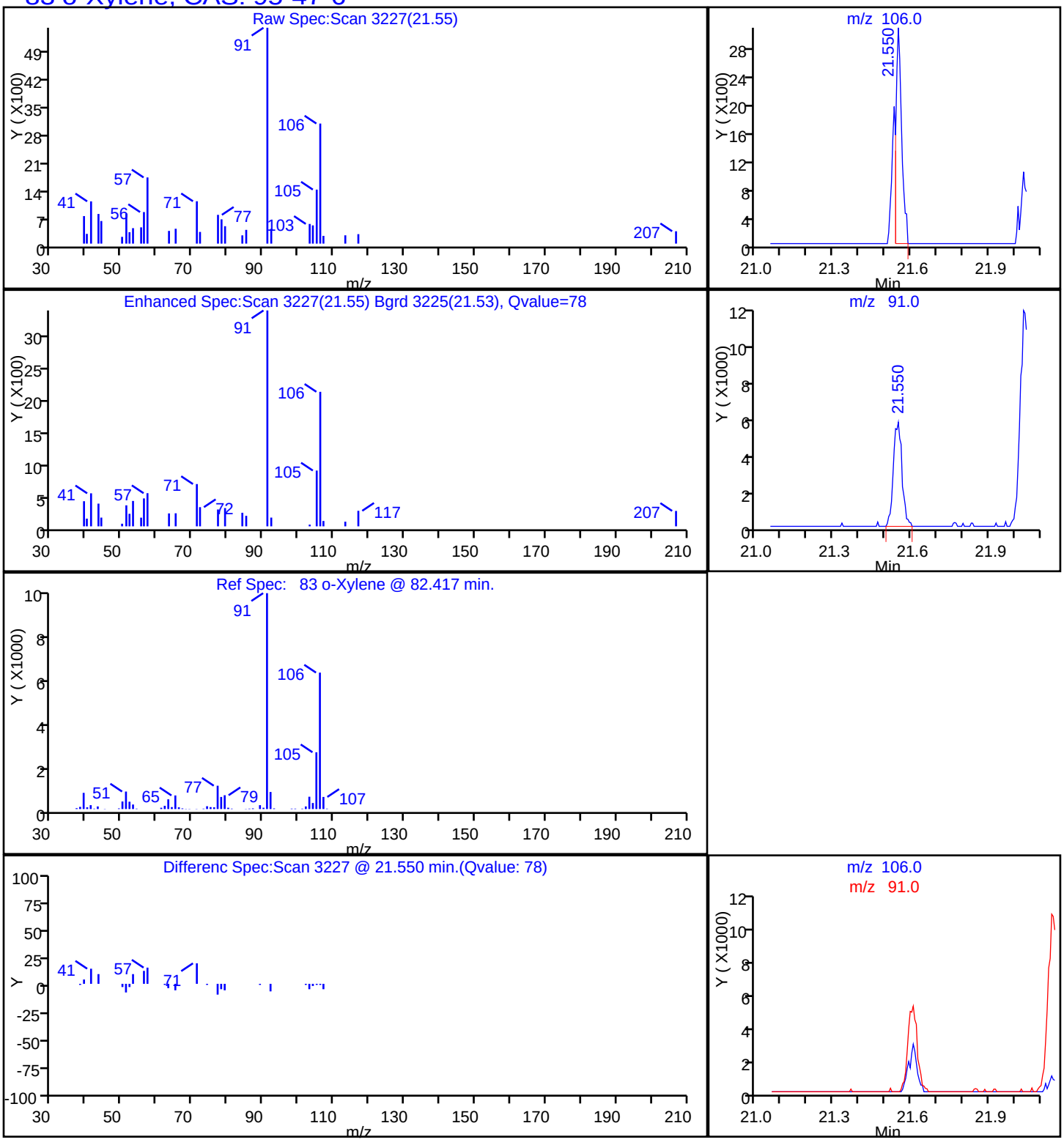
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



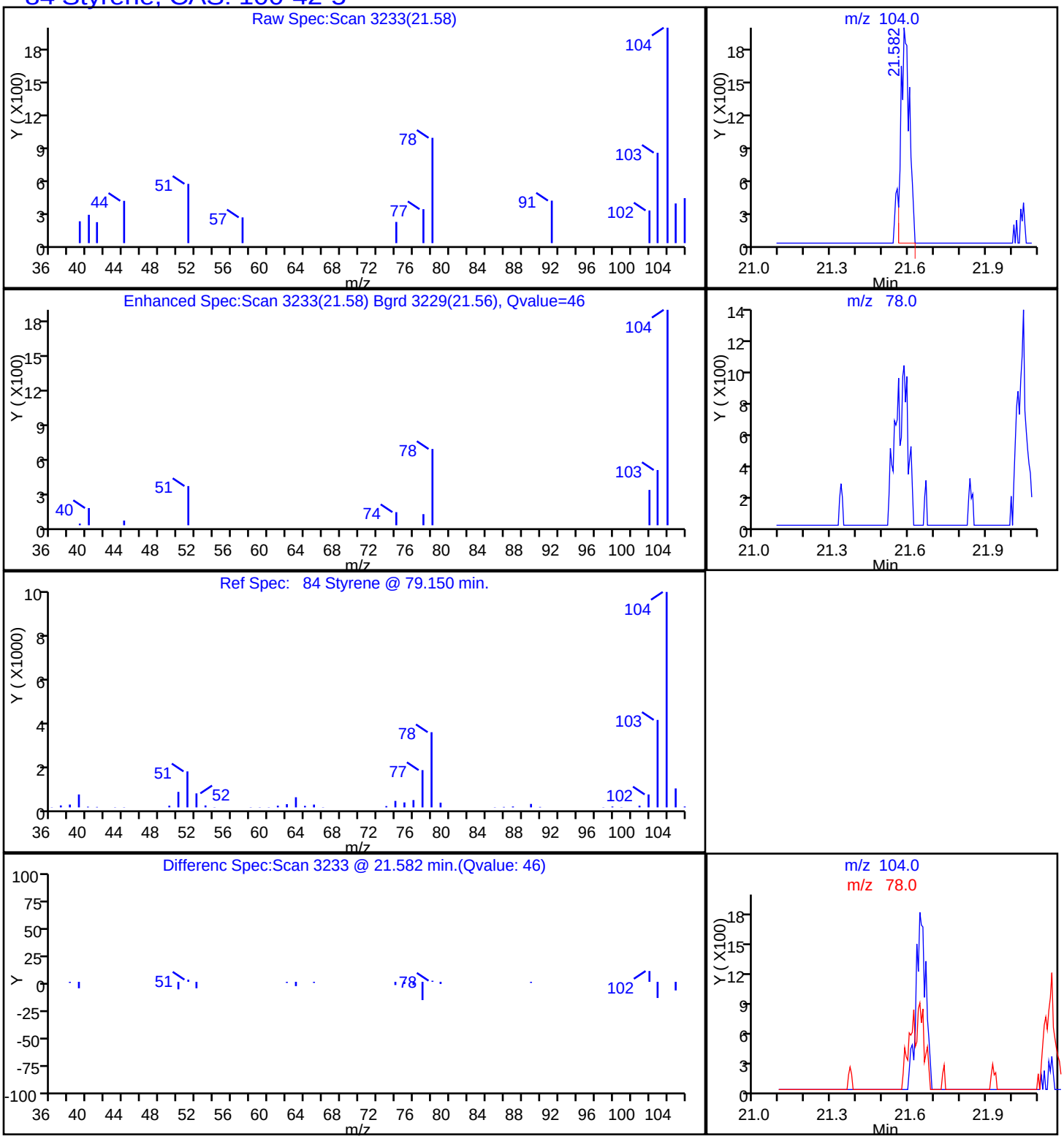
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5



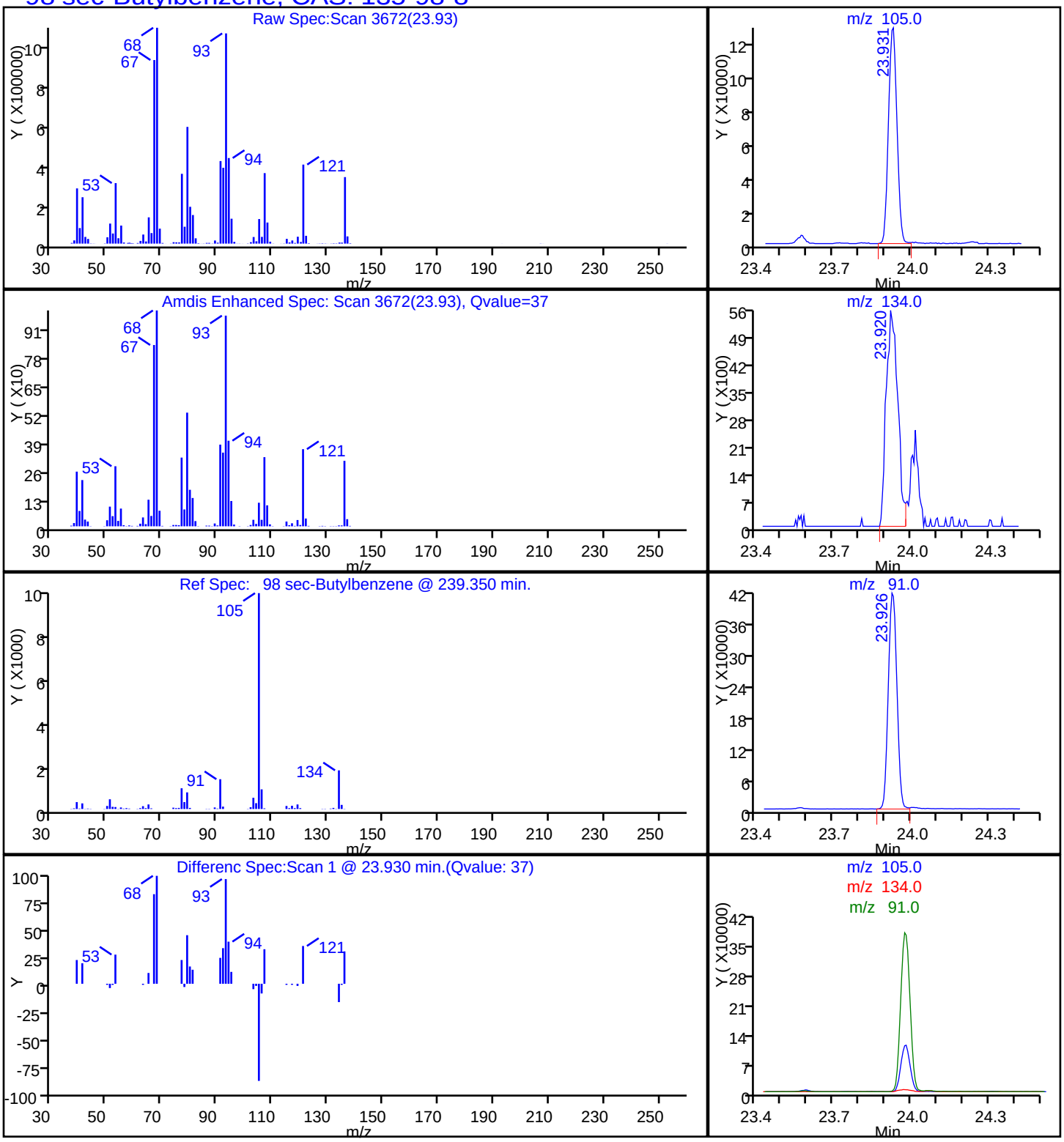
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

98 sec-Butylbenzene, CAS: 135-98-8



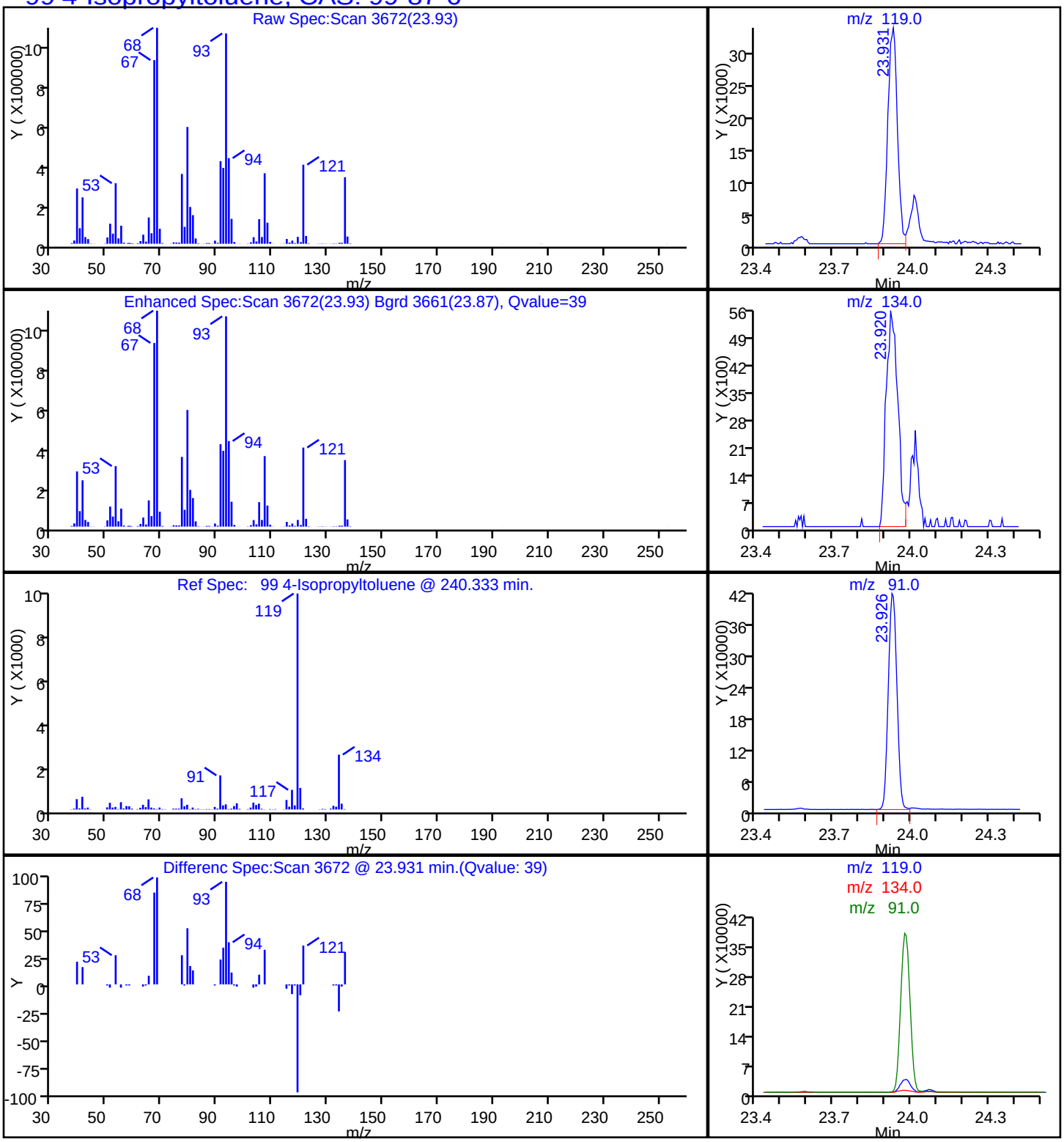
Report Date: 18-Feb-2014 11:48:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_024.d

Injection Date:	18-Feb-2014 06:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-19	Lab Sample ID:	200-20955-19		
Client ID:	IA-VMP-3E				
Operator ID:	bl	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

99 4-Isopropyltoluene, CAS: 99-87-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-4 Lab Sample ID: 200-20955-21

Matrix: Air Lab File ID: 6171_025.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:30

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 07:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.49	J	0.50	0.030
75-45-6	Freon 22	86.47	14		0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	1.1		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.23		0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.44		0.20	0.030
76-13-1	Freon 113	187.38	0.052	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	4.5	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	160	E	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	1.8		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.60		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	19		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.066		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.11	J	0.20	0.027
71-43-2	Benzene	78.11	0.29		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.13	J	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-4 Lab Sample ID: 200-20955-21

Matrix: Air Lab File ID: 6171_025.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:30

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 07:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.097	J	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	0.59	J	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.71		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.097	J	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.13	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.15	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.056	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.21		0.20	0.034
100-42-5	Styrene	104.15	0.47		0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.052	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.031	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.054	J	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.053	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.11	J	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-4 Lab Sample ID: 200-20955-21

Matrix: Air Lab File ID: 6171_025.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:30

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 07:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-4 Lab Sample ID: 200-20955-21

Matrix: Air Lab File ID: 6171_025.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:30

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 07:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.4	J	2.5	0.15
75-45-6	Freon 22	86.47	49		1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	2.5		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.51		0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	2.5		1.1	0.17
76-13-1	Freon 113	187.38	0.40	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	11	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	400	E	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	6.3		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.71		0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.8		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	67		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.42		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.53	J	0.93	0.13
71-43-2	Benzene	78.11	0.93		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.53	J	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-4 Lab Sample ID: 200-20955-21

Matrix: Air Lab File ID: 6171_025.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:30

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 07:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	0.40	J	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	2.1	J	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	2.7		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.45	J	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.55	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.65	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.24	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.89		0.87	0.15
100-42-5	Styrene	104.15	2.0		0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.26	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	0.28	J	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.26	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	0.62	J	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-4 Lab Sample ID: 200-20955-21

Matrix: Air Lab File ID: 6171_025.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:30

Sample wt/vol: 200(mL) Date Analyzed: 02/18/2014 07:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

Report Date: 18-Feb-2014 12:36:11 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d
Lims ID: 200-20955-A-21 Lab Sample ID: 200-20955-21
Client ID: IA-VMP-4
Sample Type: Client
Inject. Date: 18-Feb-2014 07:28:30 ALS Bottle#: 7 Worklist Smp#: 25
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006171-025
Misc. Info.: 200-20955-A-21
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Feb-2014 12:36:06 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: lyonsb Date: 18-Feb-2014 10:49:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.474	4.474	0.0	94	84344	0.4898	
6 Chlorodifluoromethane	51	4.405	4.538	-0.133	35	901249	13.8	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.827					
8 Chloromethane	50		5.020					
9 Butane	43	5.293	5.287	0.006	91	51086	1.06	
10 Vinyl chloride	62		5.341					
11 Butadiene	54	5.453	5.442	0.011	85	5989	0.2283	
12 Bromomethane	94		6.309					
14 Chloroethane	64		6.593					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101	7.202	7.192	0.010	93	85717	0.4441	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.444	8.438	0.006	71	6289	0.0521	
24 1,1-Dichloroethene	96		8.513					
25 Acetone	43	8.770	8.749	0.022	86	248550	4.55	
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45	9.069	9.027	0.042	97	7491593	163.6	E
29 3-Chloro-1-propene	41		9.407					
31 Methylene Chloride	49	9.749	9.733	0.016	78	69281	1.82	
32 2-Methyl-2-propanol	59		9.904					
33 Methyl tert-butyl ether	73		10.155					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.230					
36 Hexane	57	10.658	10.648	0.010	80	10681	0.2027	
37 1,1-Dichloroethane	63		11.199					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72	12.408	12.392	0.016	97	13882	0.5997	
44 Tetrahydrofuran	42		12.852					
* 43 Chlorobromomethane	128	12.857	12.852	0.005	69	376478	10.0	
45 Chloroform	83		12.964					
46 Cyclohexane	84	13.274	13.258	0.016	83	1285578	19.4	
47 1,1,1-Trichloroethane	97		13.280					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	48 Carbon tetrachloride	117	13.536	13.531	0.005	35	11426	0.0660		
	51 Isooctane	57	13.927	13.927	0.0	94	20053	0.1136		
	50 Benzene	78	13.986	13.986	0.0	90	46270	0.2925		
	52 1,2-Dichloroethane	62		14.141						
	53 n-Heptane	43	14.280	14.275	0.005	74	7139	0.1295		
*	54 1,4-Difluorobenzene	114	14.751	14.746	0.005	93	1814952	10.0		
	56 Trichloroethene	95		15.206						
	58 1,2-Dichloropropane	63		15.730						
	59 Methyl methacrylate	69	15.815	15.810	0.005	84	4835	0.0968		
	60 1,4-Dioxane	88	15.906	15.901	0.005	89	16436	0.5936		
	62 Dichlorobromomethane	83		16.222						
	64 cis-1,3-Dichloropropene	75		17.083						
	65 4-Methyl-2-pentanone (MIBK)	43		17.319						
	66 Toluene	92	17.666	17.661	0.005	96	86314	0.7117		
	70 trans-1,3-Dichloropropene	75		18.191						
	71 1,1,2-Trichloroethane	83		18.560						
	72 Tetrachloroethene	166		18.694						
	73 2-Hexanone	43		18.950						
	74 Chlorodibromomethane	129		19.314						
	75 Ethylene Dibromide	107		19.598						
S	82 Xylenes, Total	106				0		0.2051		7
*	76 Chlorobenzene-d5	117	20.448	20.443	0.005	82	1672363	10.0		
	77 Chlorobenzene	112	20.502	20.496	0.006	39	19762	0.0974		
	78 Ethylbenzene	91	20.614	20.614	0.0	91	35871	0.1266		
	80 m-Xylene & p-Xylene	106	20.828	20.833	-0.005	98	16997	0.1487		
	83 o-Xylene	106	21.545	21.545	0.0	65	6081	0.0564		
	84 Styrene	104	21.588	21.582	0.006	96	74600	0.4661		
	85 Bromoform	173		21.962						
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1127799	NC		
	88 1,1,2,2-Tetrachloroethane	83		22.668						
	90 N-Propylbenzene	91		22.743						
	91 4-Ethyltoluene	105	22.872	22.909	-0.037	86	19306	0.0523		
	92 2-Chlorotoluene	91	22.749	22.941	-0.192	1	17295	0.0536		
	94 1,3,5-Trimethylbenzene	105	22.909	23.000	-0.091	62	10657	0.0312		
	96 tert-Butylbenzene	119		23.476						
	97 1,2,4-Trimethylbenzene	105	23.567	23.573	-0.006	80	17354	0.0532		
	98 sec-Butylbenzene	105	23.920	23.808	0.112	40	51116	0.1138		
	99 4-Isopropyltoluene	119		24.011						
	100 1,3-Dichlorobenzene	146		24.081						
	101 1,4-Dichlorobenzene	146		24.225						
	102 Benzyl chloride	91		24.434						
	103 n-Butylbenzene	91		24.653						
	105 1,2-Dichlorobenzene	146		24.830						
	107 1,2,4-Trichlorobenzene	180		27.724						
	108 Hexachlorobutadiene	225		27.927						
	109 Naphthalene	128		28.312						

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

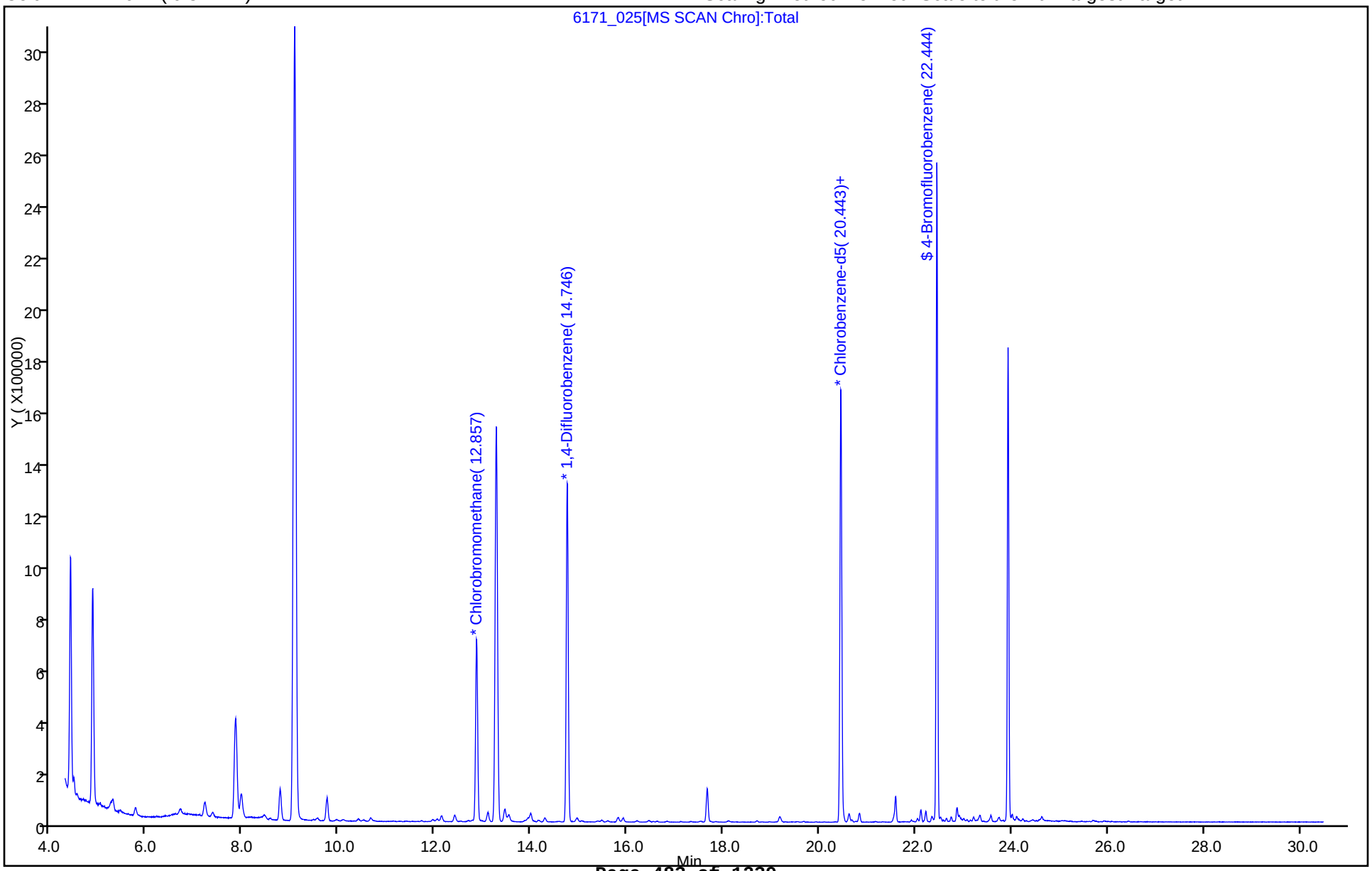
Report Date: 18-Feb-2014 12:36:11 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d

Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21	Worklist Smp#:	25
Client ID:	IA-VMP-4				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



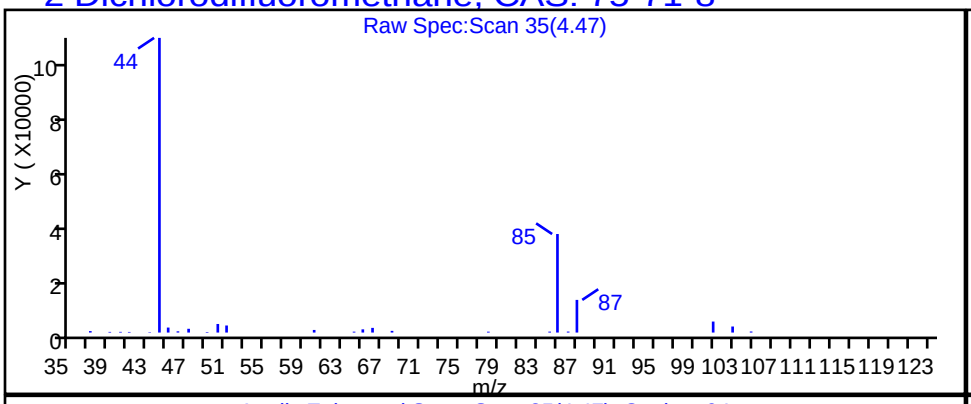
Report Date: 18-Feb-2014 12:36:11 Chrom Revision: 2.2 06-Feb-2014 15:19:06

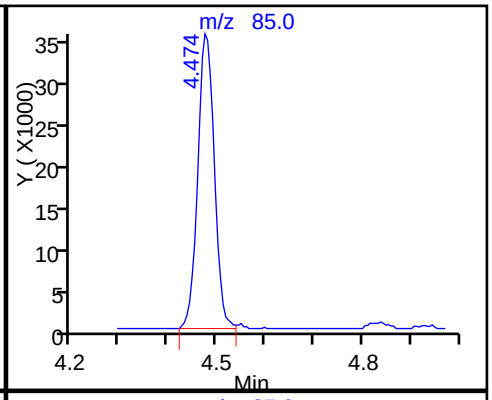
TestAmerica Burlington

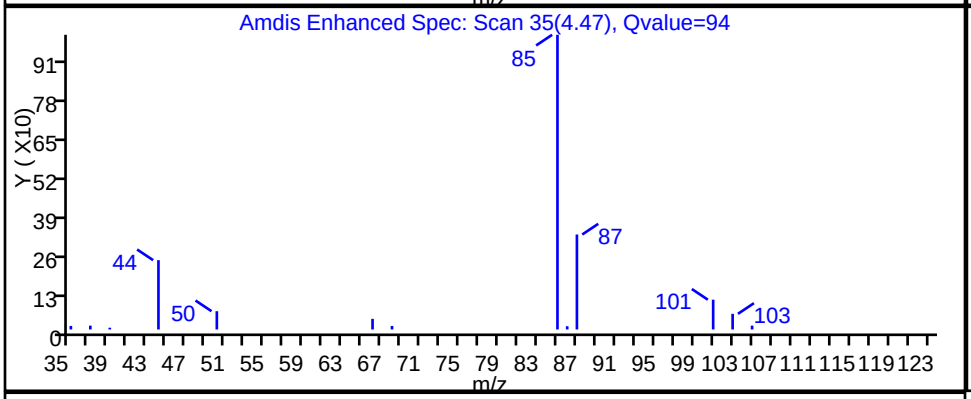
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d

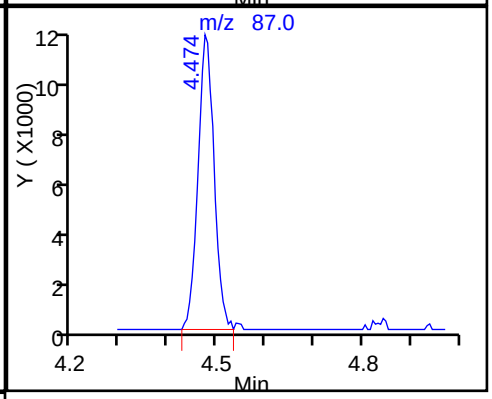
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

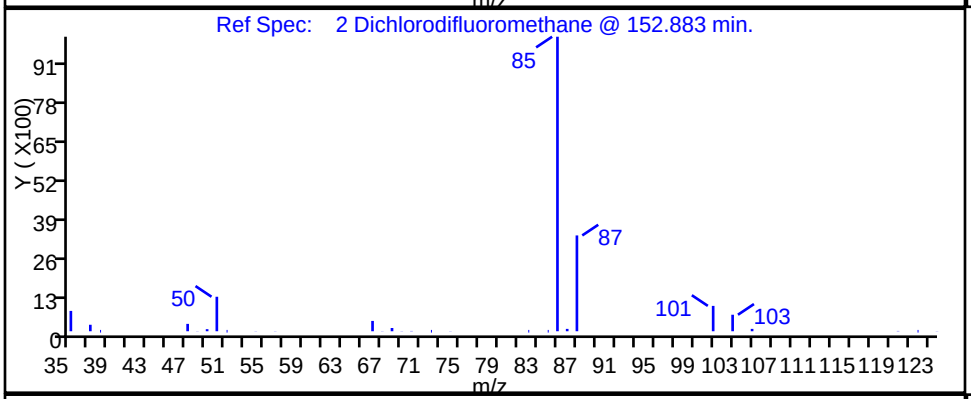
2 Dichlorodifluoromethane, CAS: 75-71-8

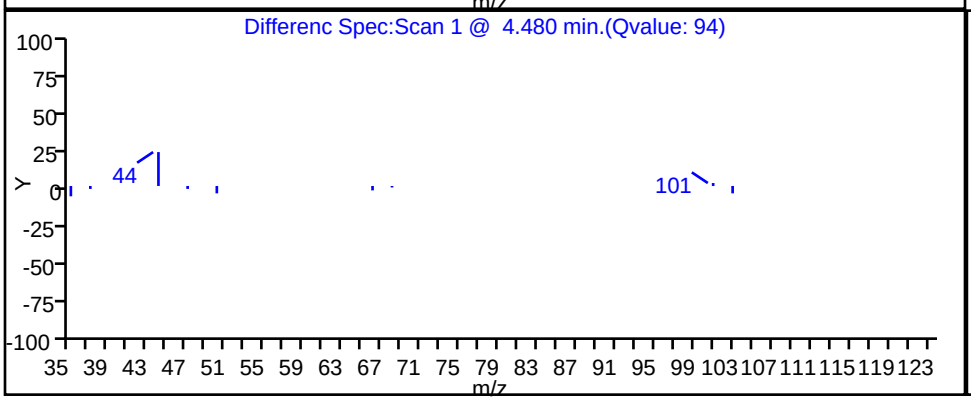


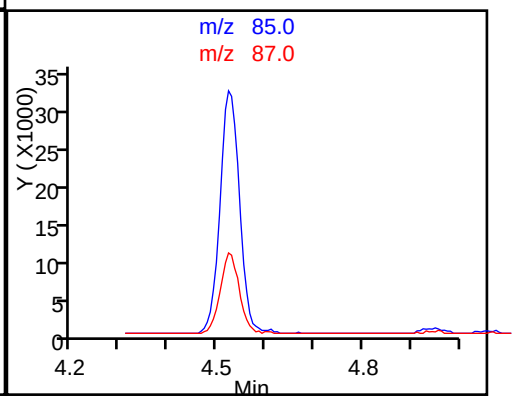










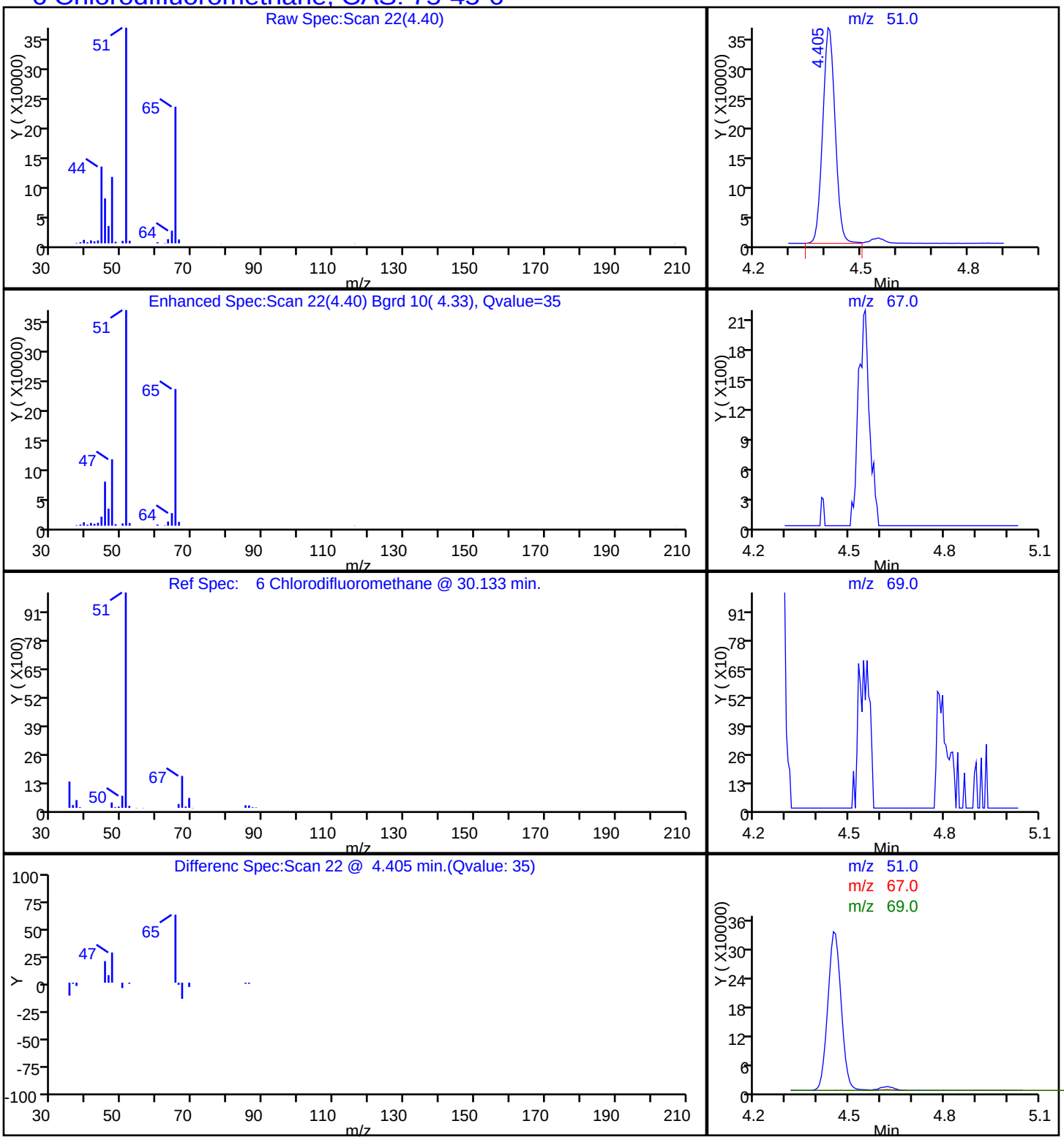


Report Date: 18-Feb-2014 12:36:11 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d				
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



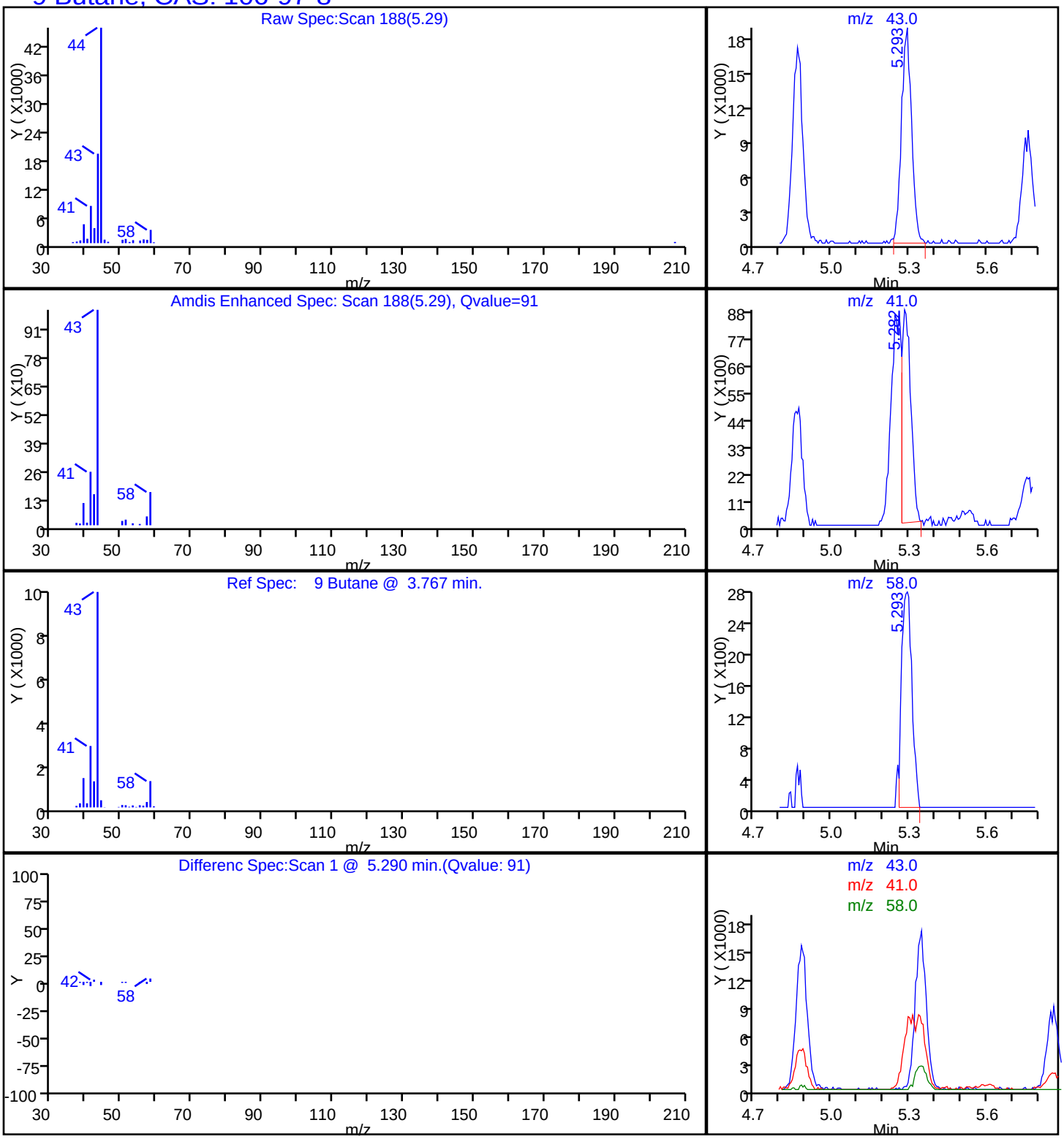
Report Date: 18-Feb-2014 12:36:11 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d

Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21
Client ID:	IA-VMP-4		
Operator ID:	bl	ALS Bottle#:	7 Worklist Smp#: 25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

9 Butane, CAS: 106-97-8



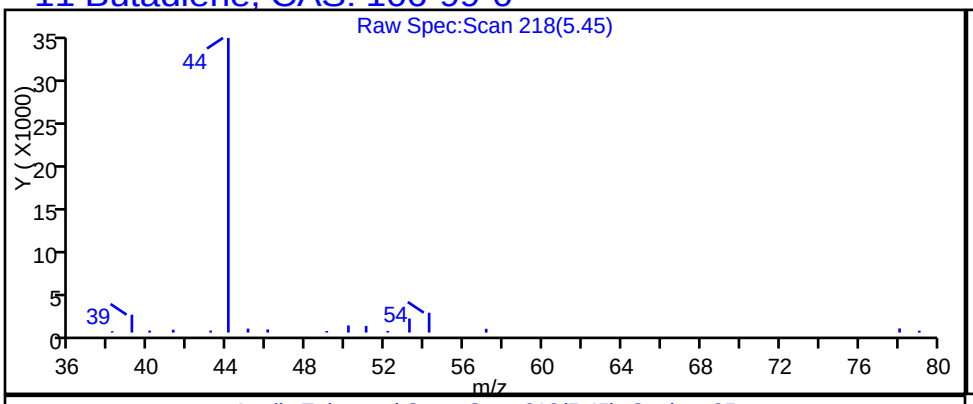
Report Date: 18-Feb-2014 12:36:11 Chrom Revision: 2.2 06-Feb-2014 15:19:06

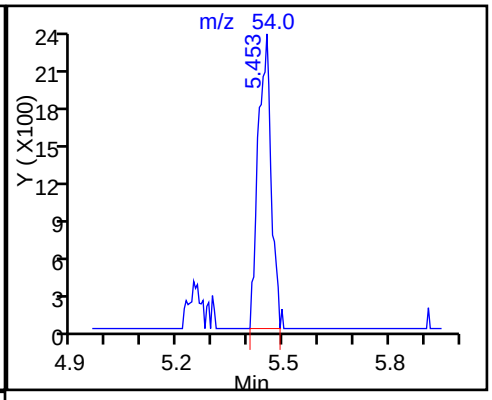
TestAmerica Burlington

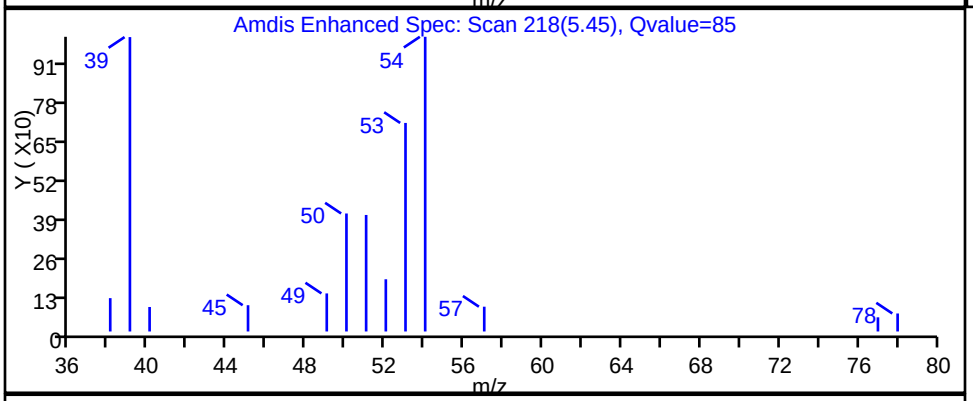
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d

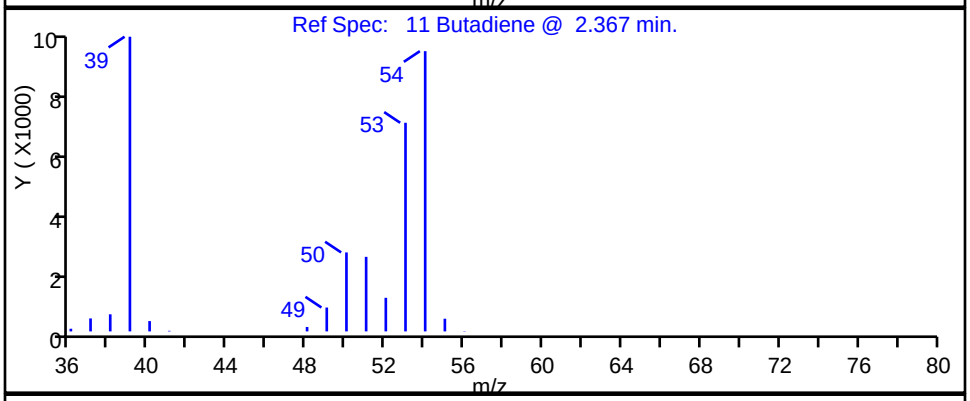
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

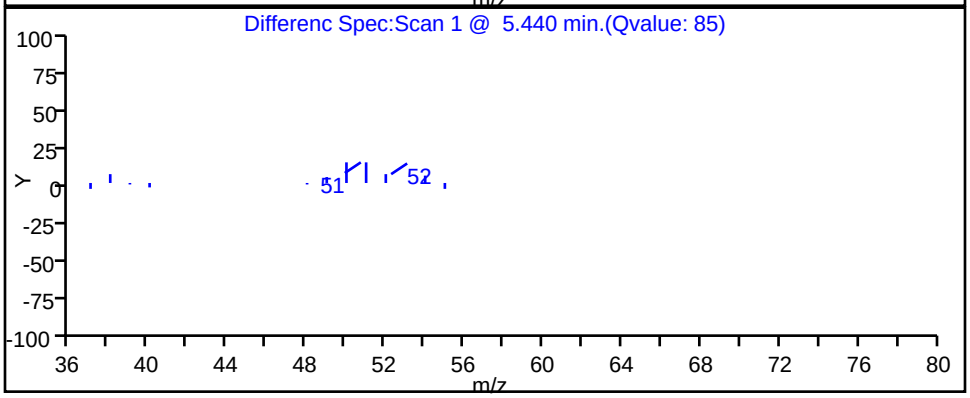
11 Butadiene, CAS: 106-99-0











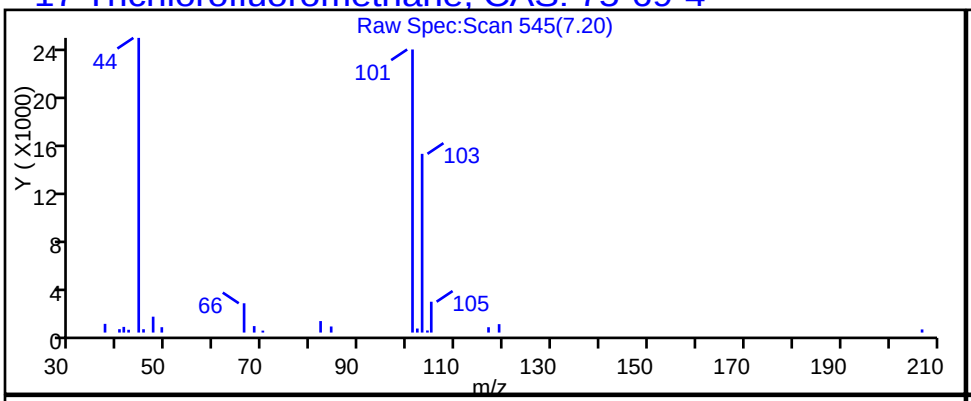
Report Date: 18-Feb-2014 12:36:11 Chrom Revision: 2.2 06-Feb-2014 15:19:06

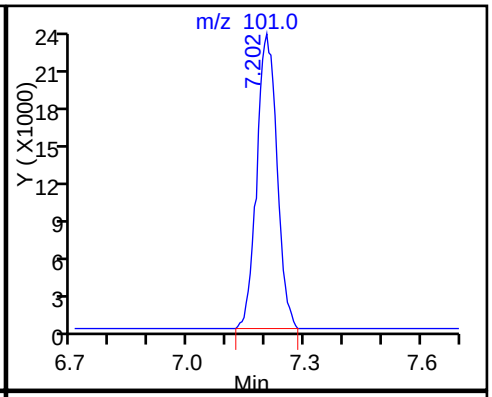
TestAmerica Burlington

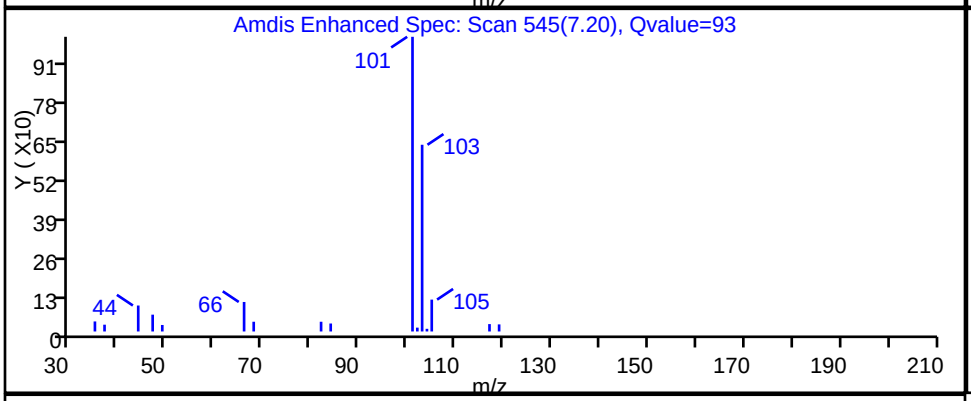
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d

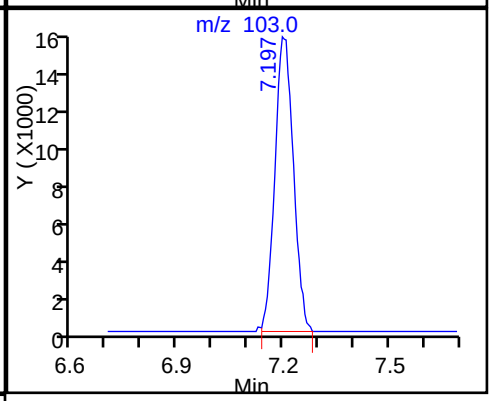
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

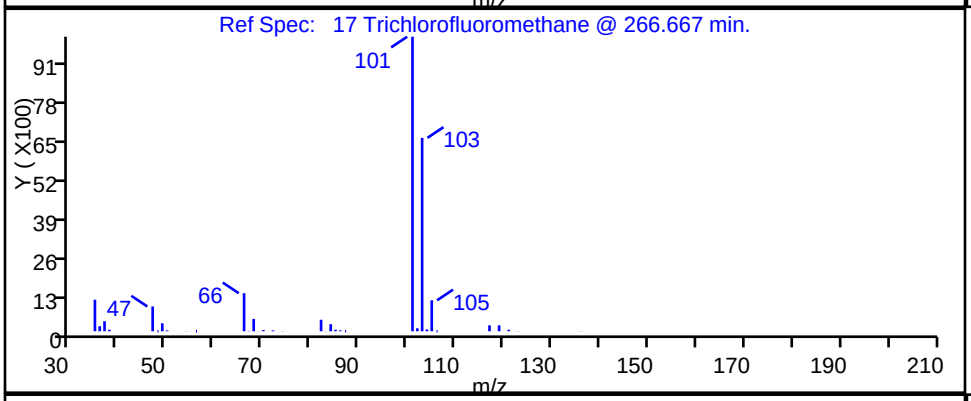
17 Trichlorofluoromethane, CAS: 75-69-4

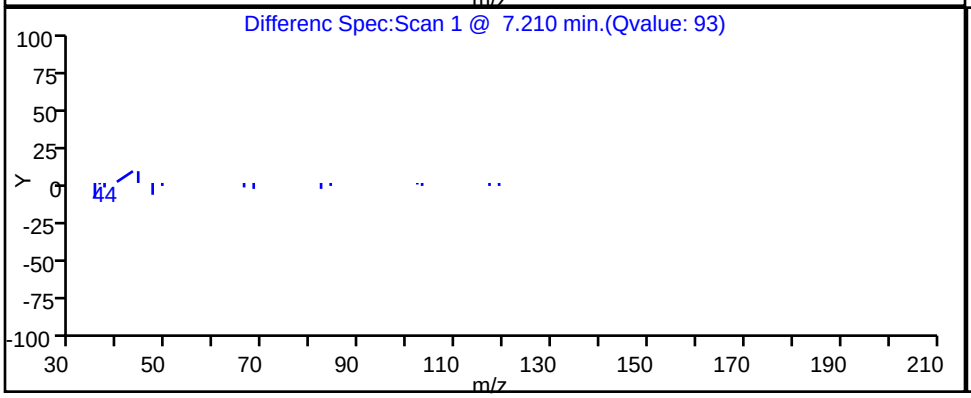


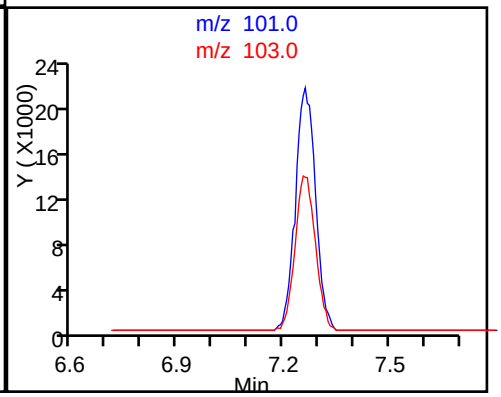












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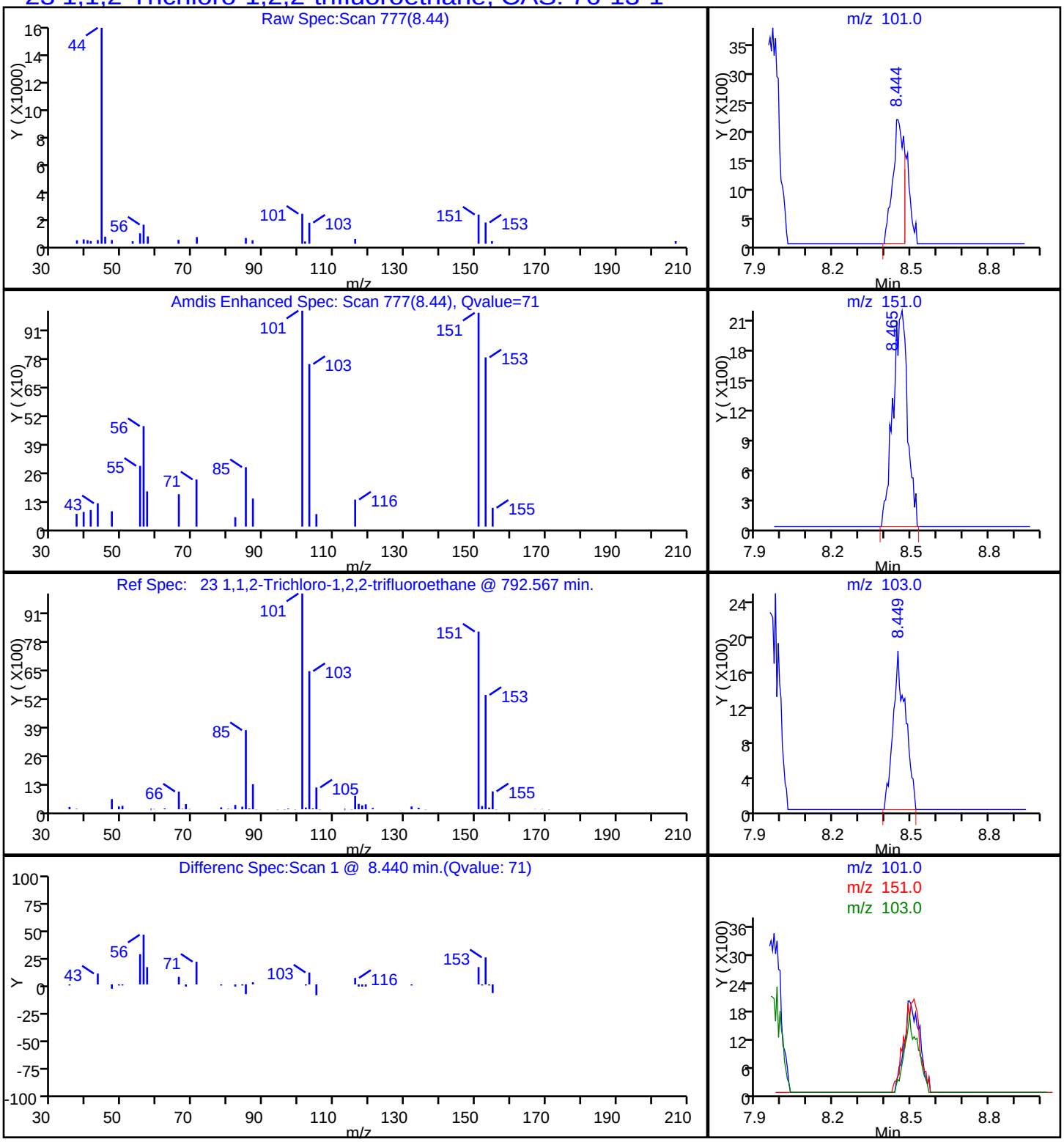
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d

Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

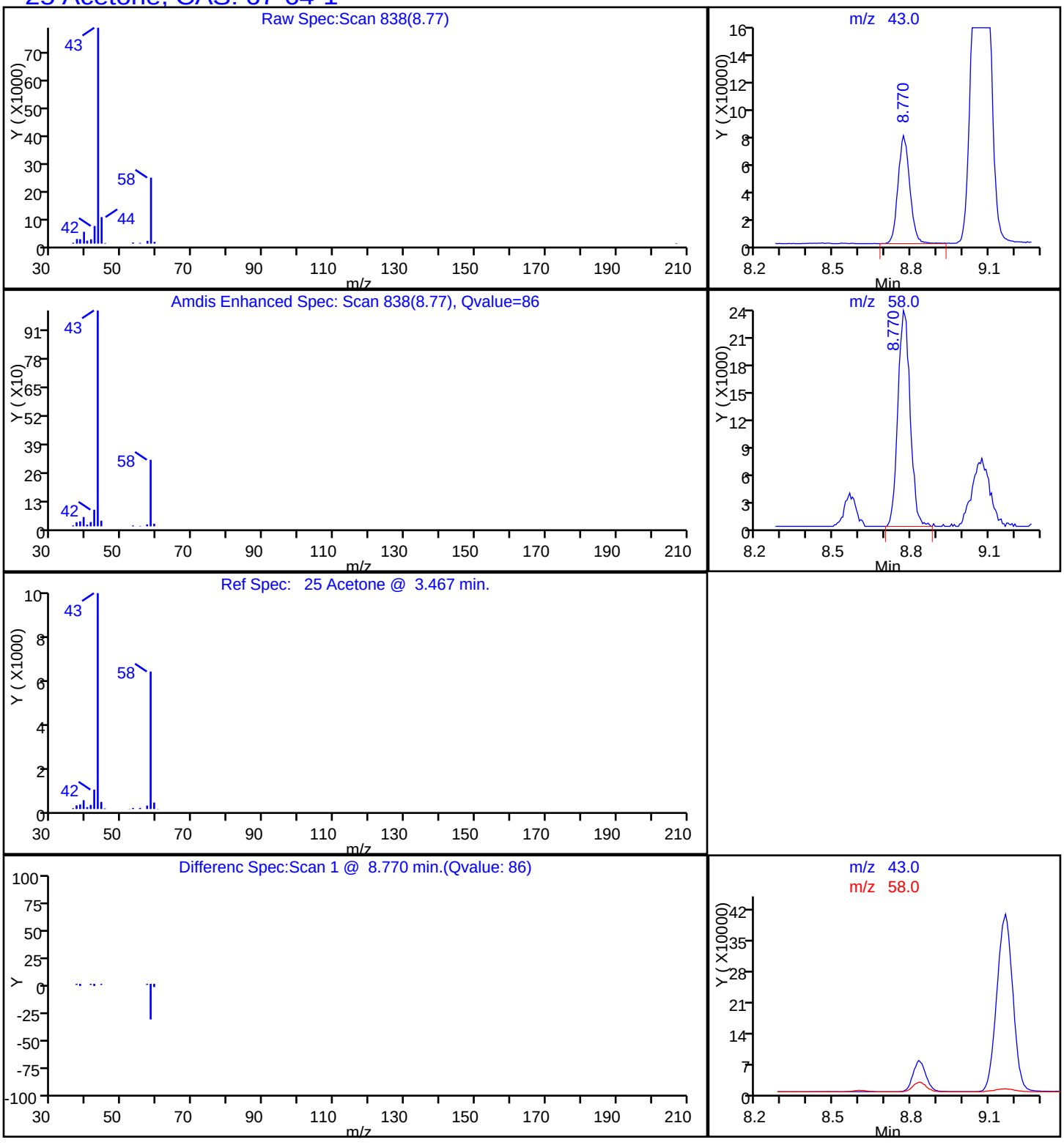


Report Date: 18-Feb-2014 12:36:11 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d		
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21
Client ID:	IA-VMP-4		
Operator ID:	bl	ALS Bottle#:	7 Worklist Smp#: 25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

25 Acetone, CAS: 67-64-1



Report Date: 18-Feb-2014 12:36:12 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

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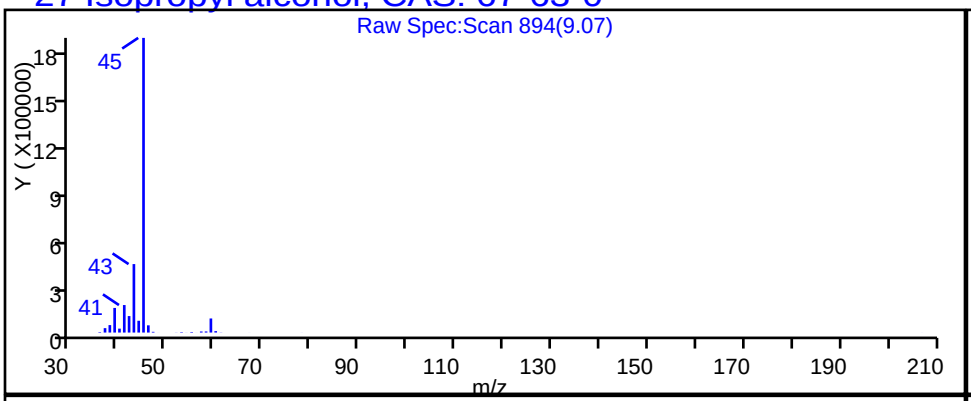
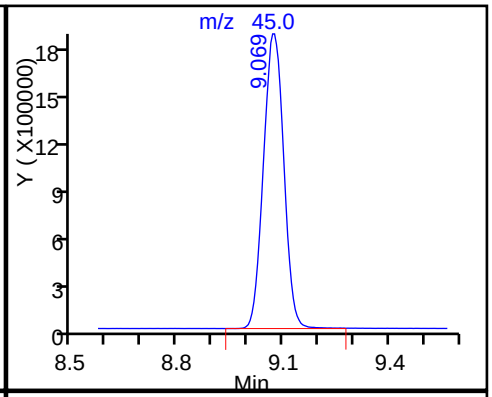
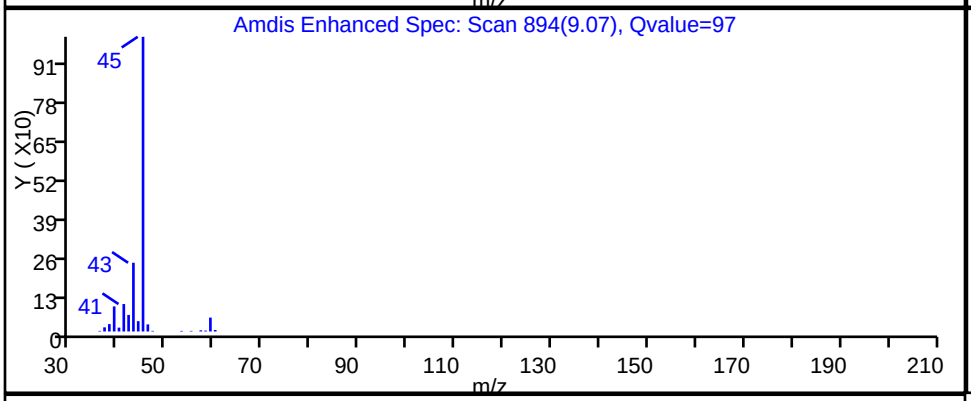
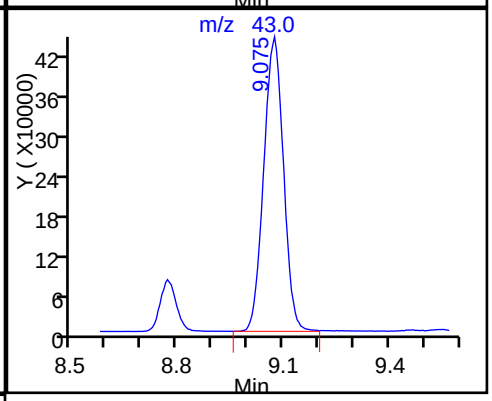
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21
Client ID:	IA-VMP-4		
Operator ID:	bl	ALS Bottle#:	7 Worklist Smp#: 25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

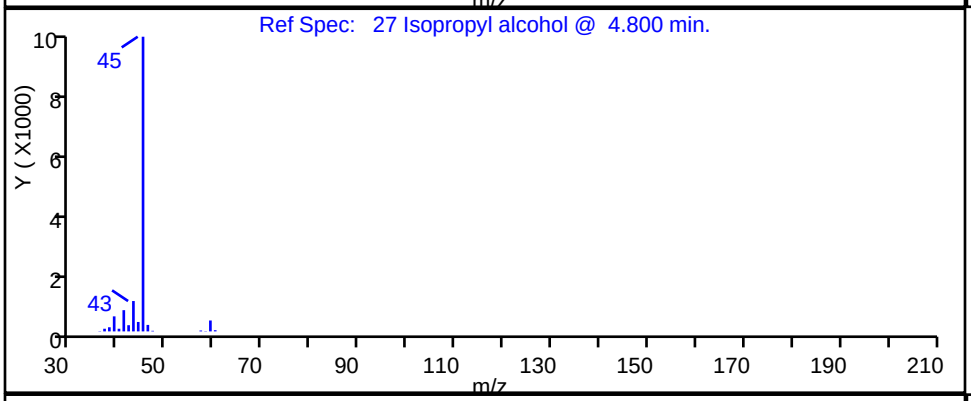
27 Isopropyl alcohol, CAS: 67-63-0

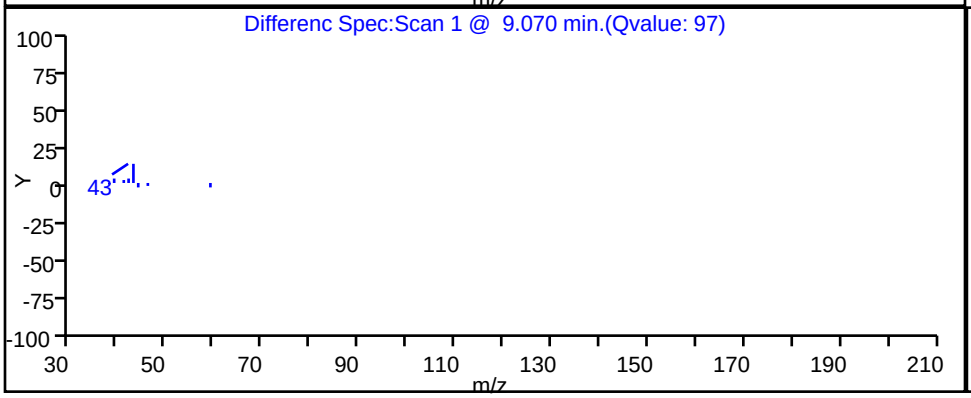


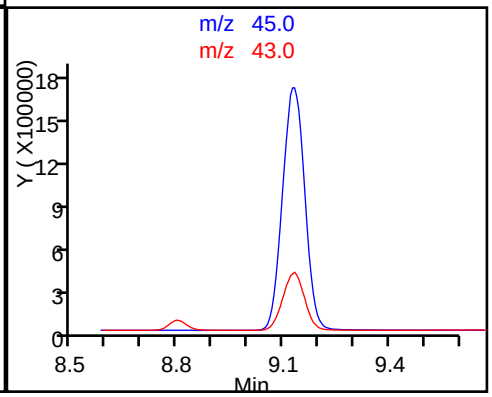












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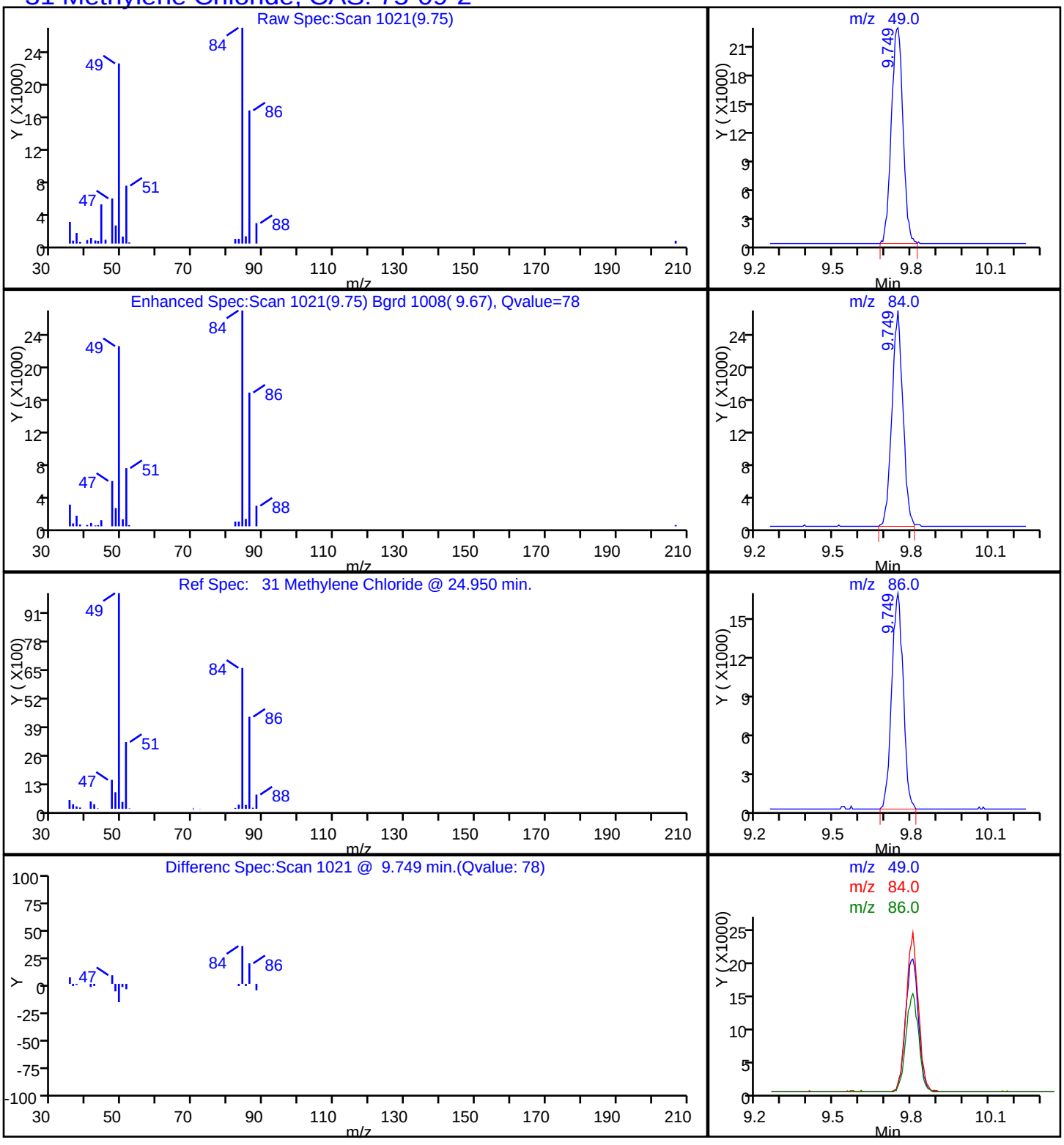
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d

Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



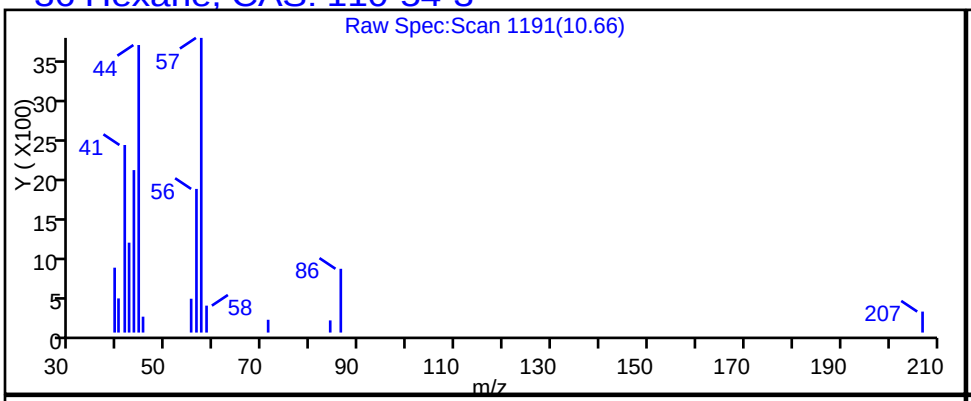
Report Date: 18-Feb-2014 12:36:12 Chrom Revision: 2.2 06-Feb-2014 15:19:06

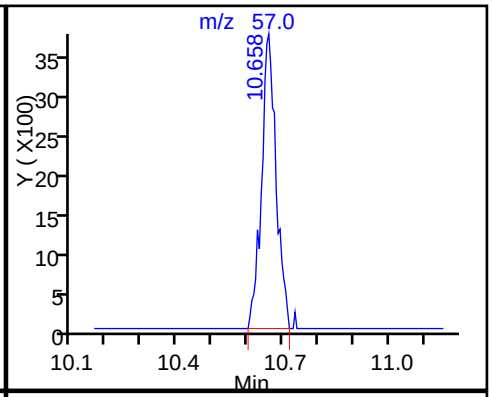
TestAmerica Burlington

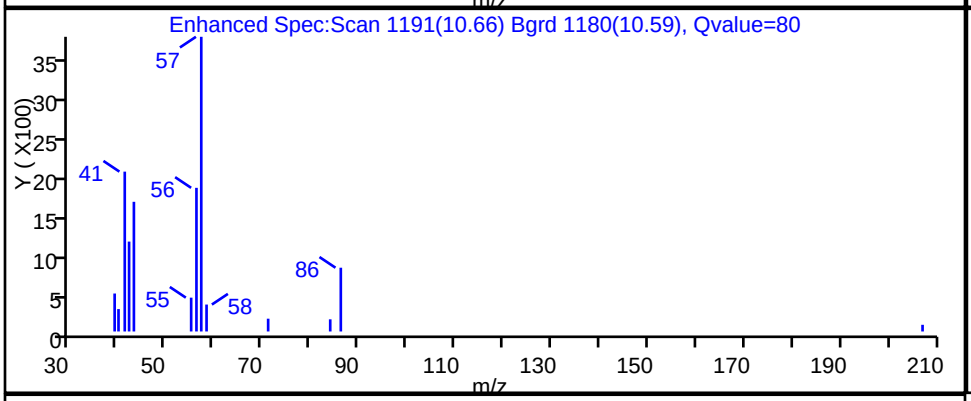
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d

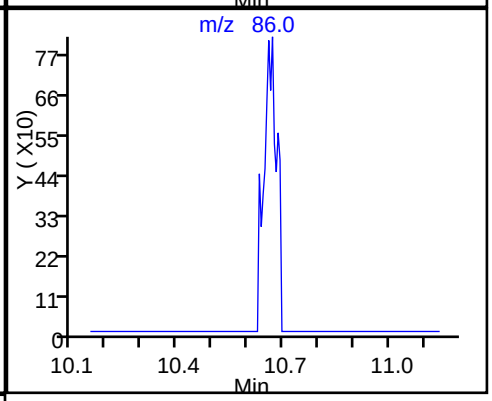
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

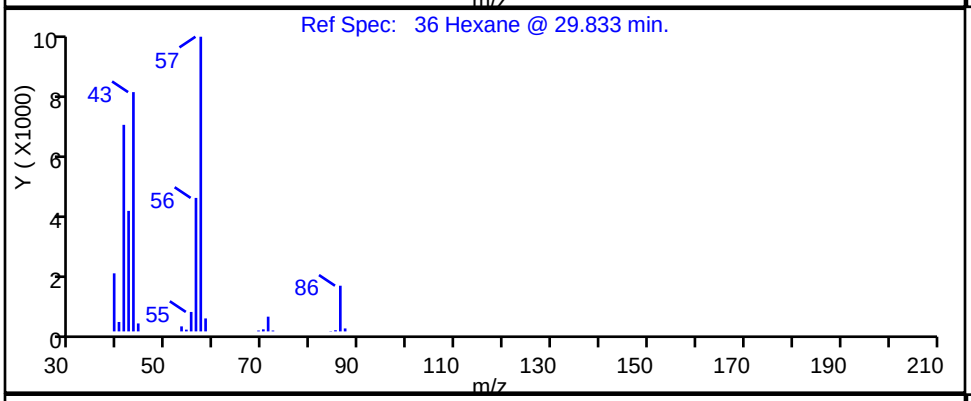
36 Hexane, CAS: 110-54-3

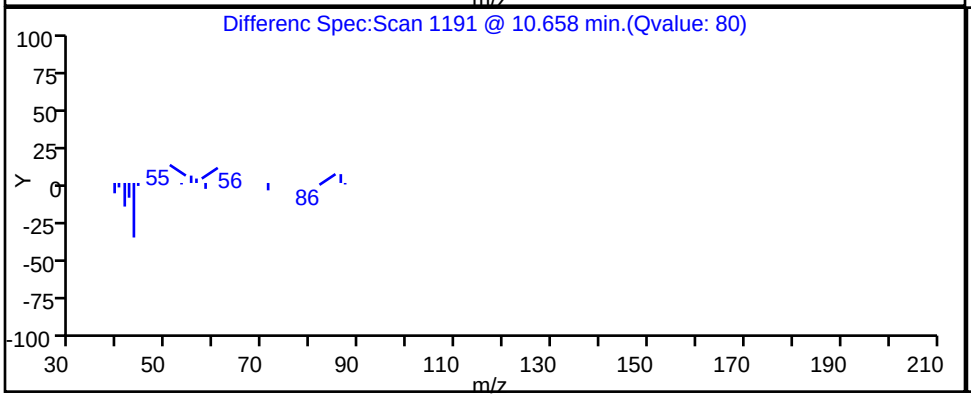


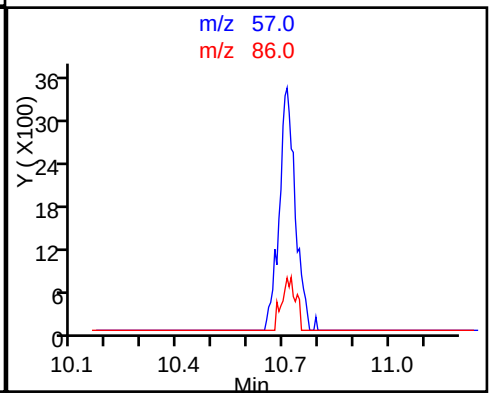










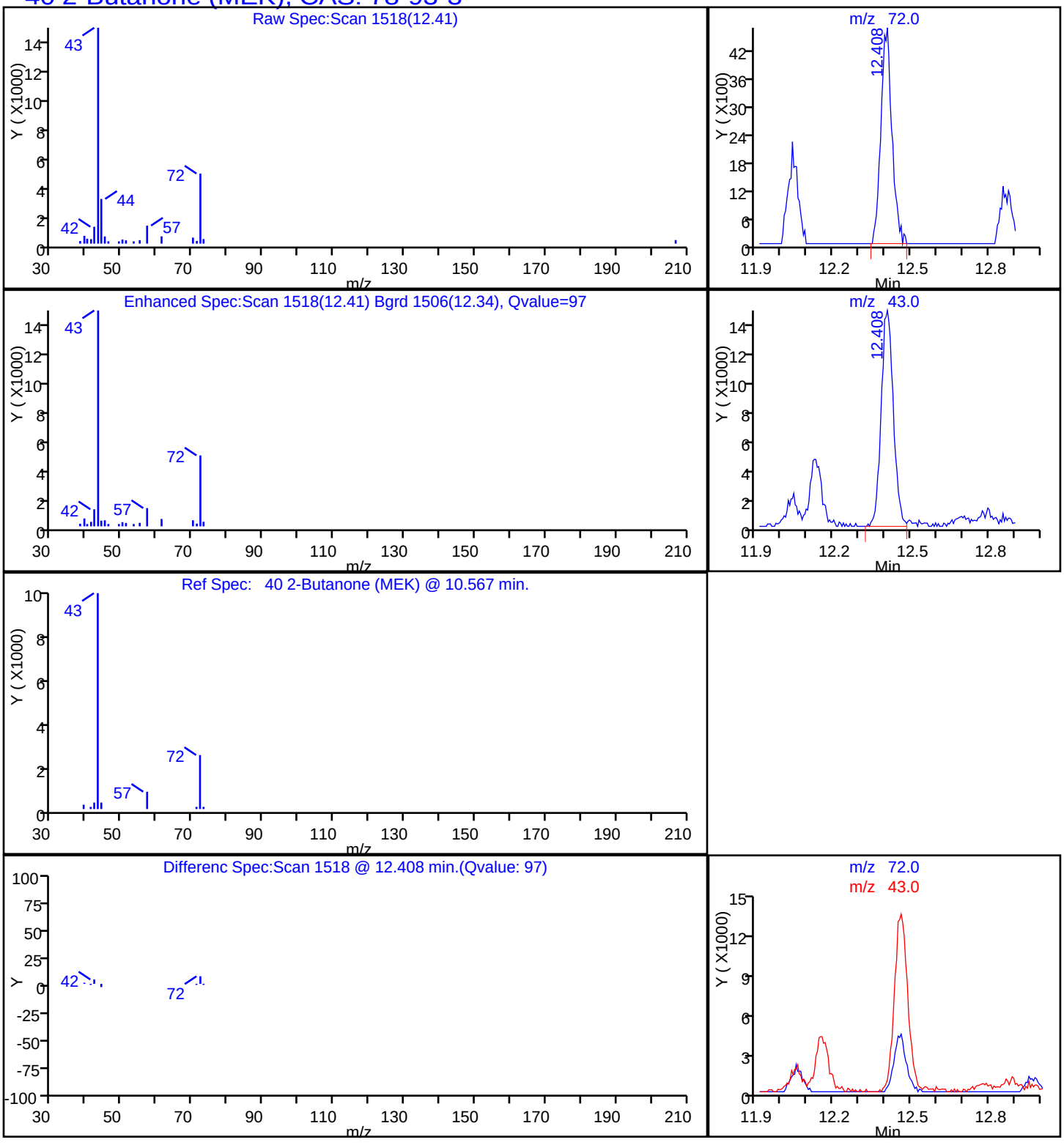


Report Date: 18-Feb-2014 12:36:12 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d				
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3



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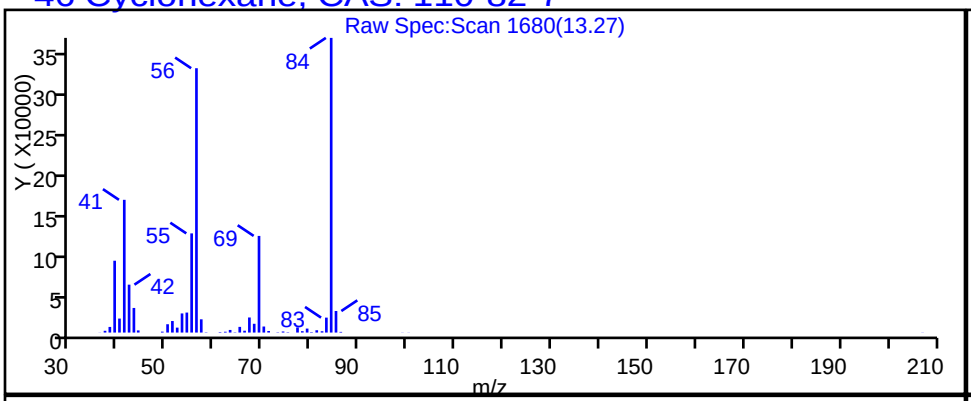
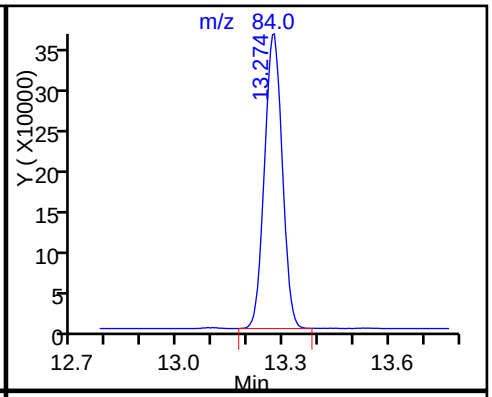
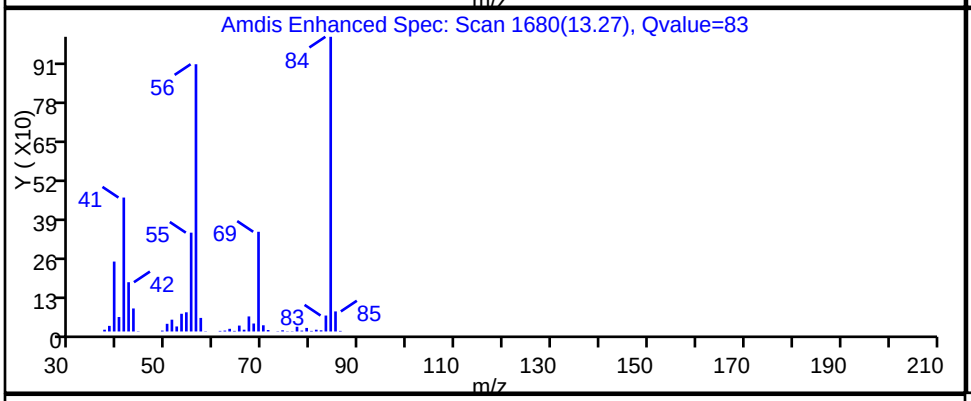
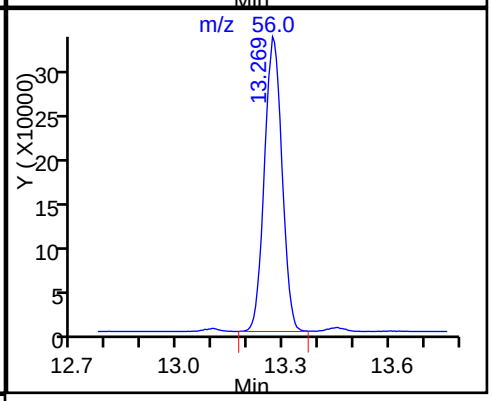
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

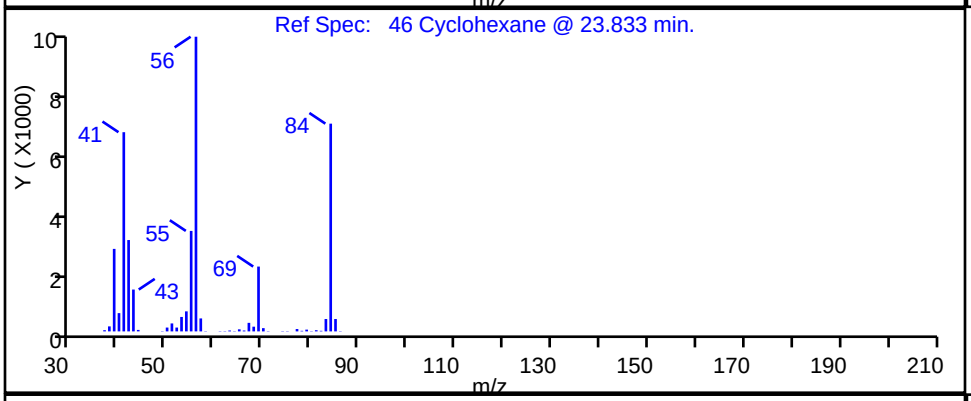
46 Cyclohexane, CAS: 110-82-7

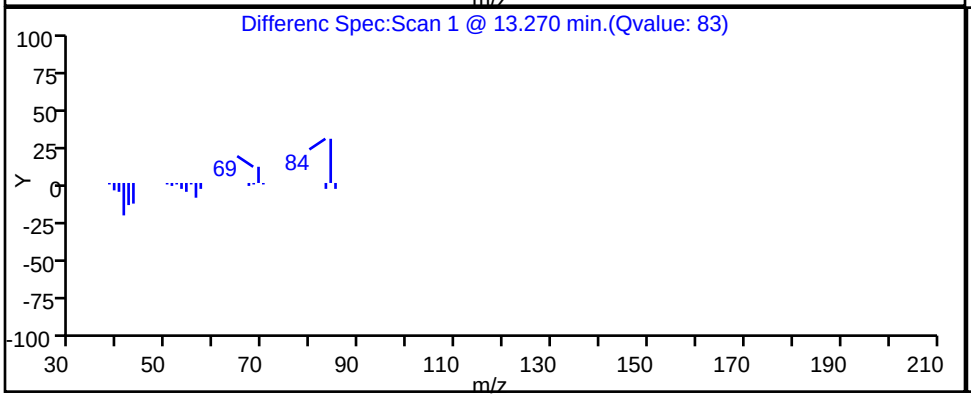


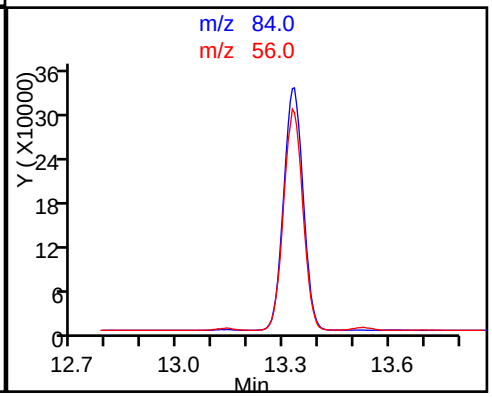












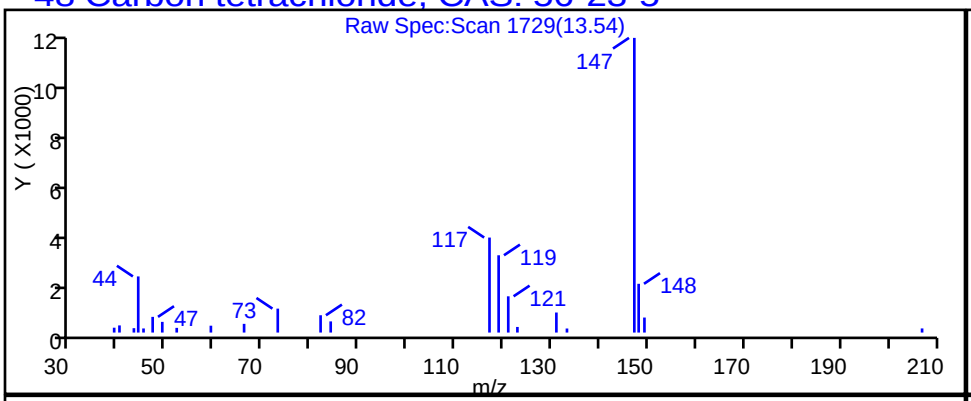
Report Date: 18-Feb-2014 12:36:12 Chrom Revision: 2.2 06-Feb-2014 15:19:06

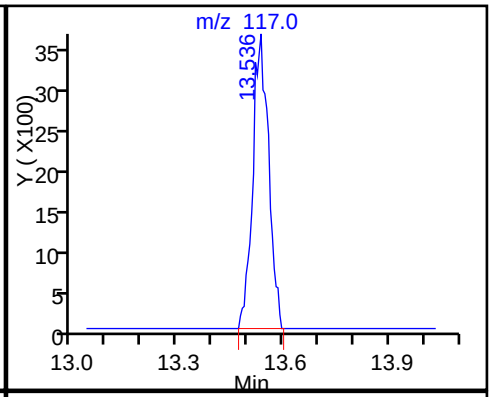
TestAmerica Burlington

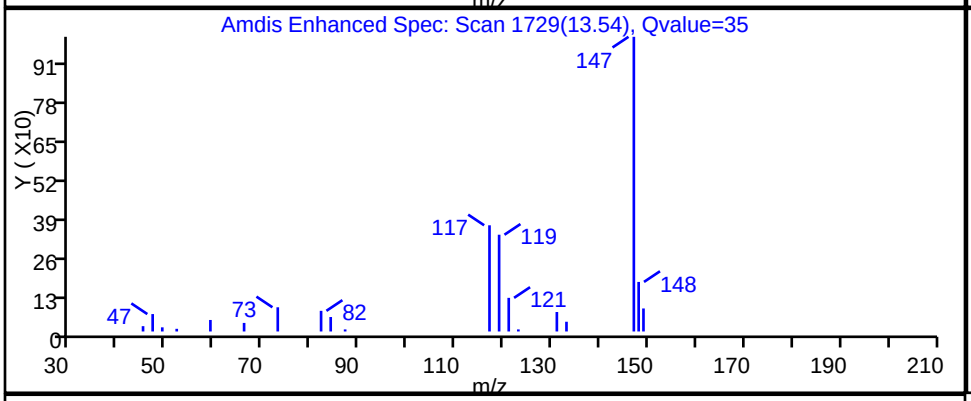
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d

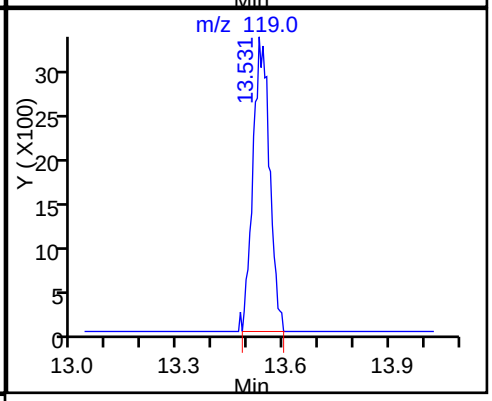
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

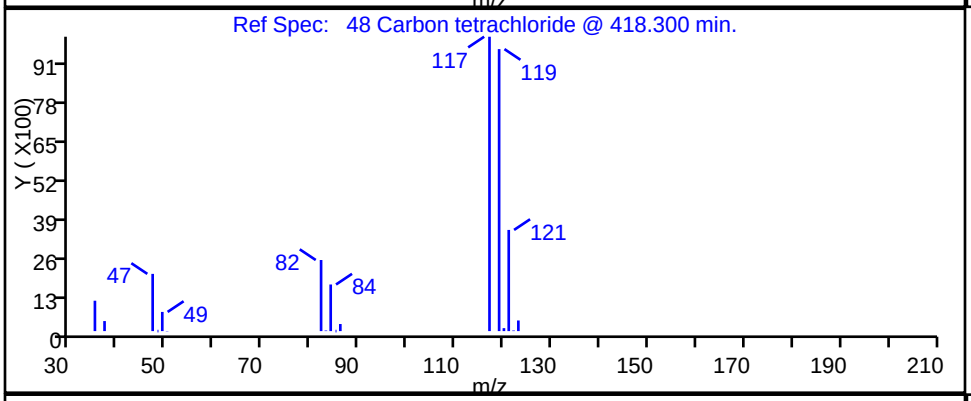
48 Carbon tetrachloride, CAS: 56-23-5

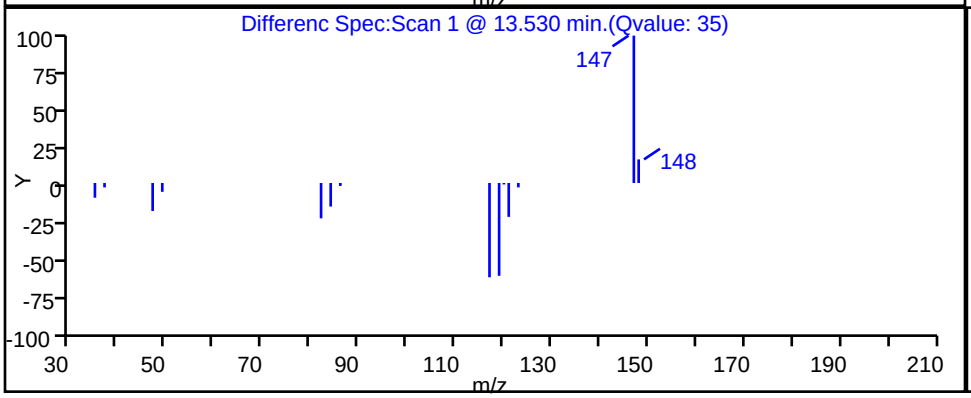


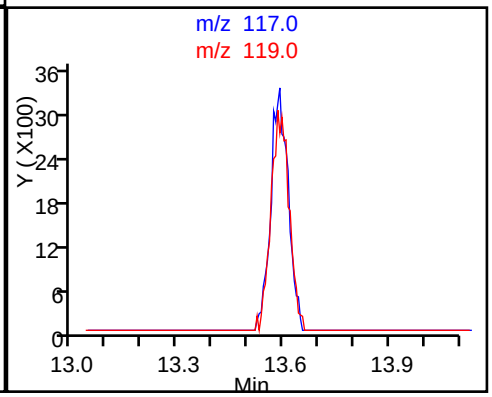












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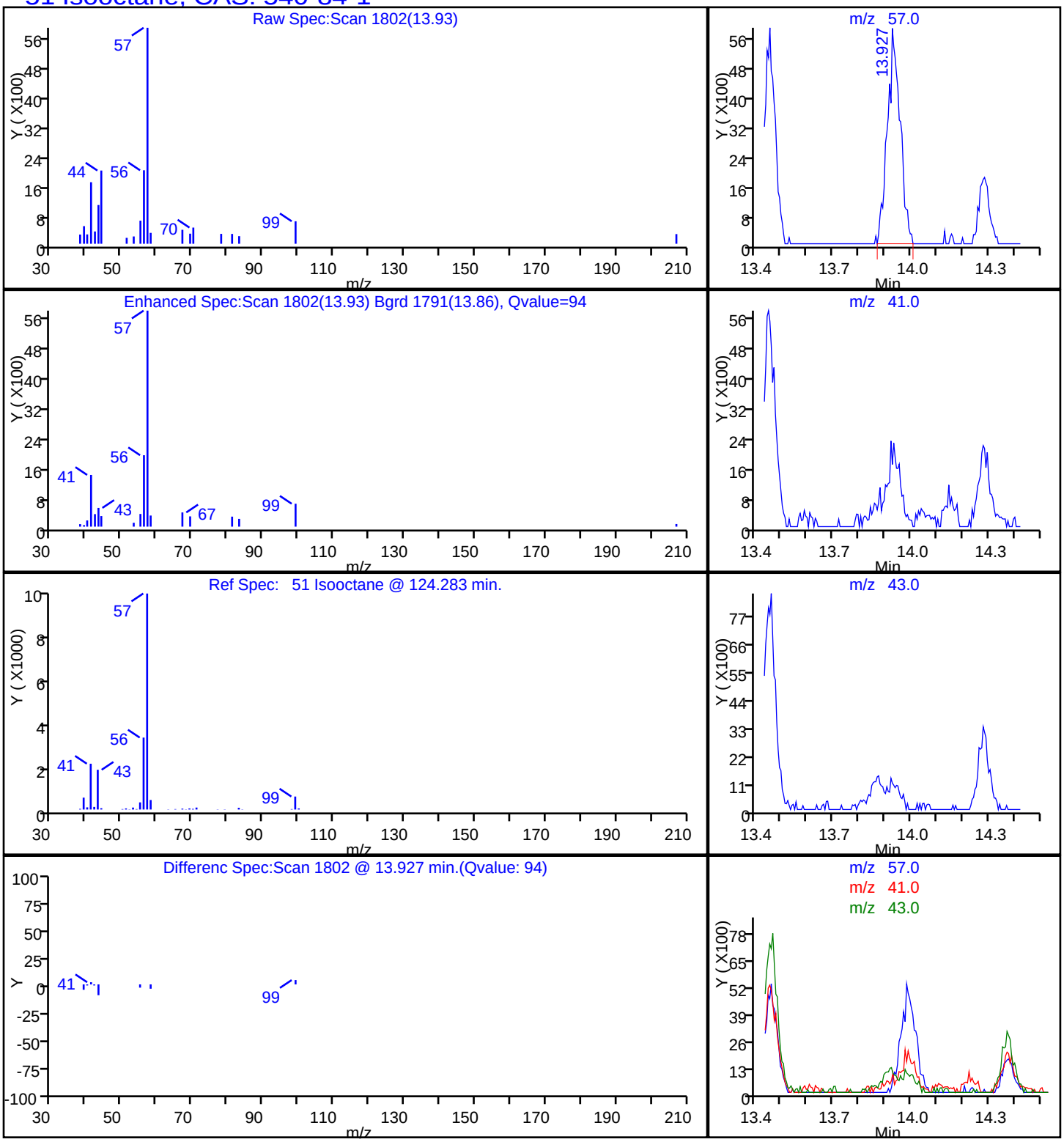
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d

Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1



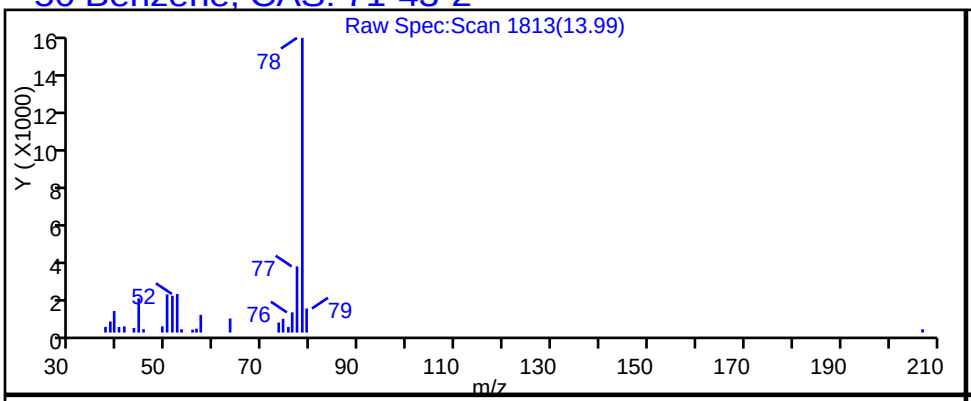
Report Date: 18-Feb-2014 12:36:12 Chrom Revision: 2.2 06-Feb-2014 15:19:06

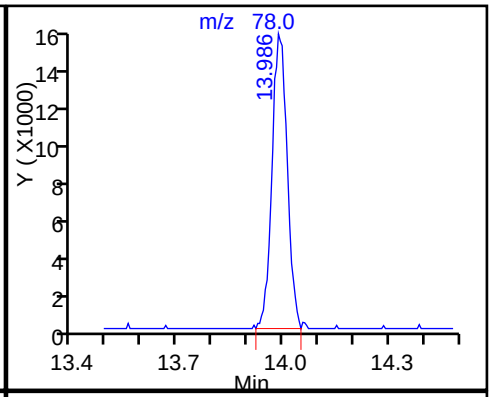
TestAmerica Burlington

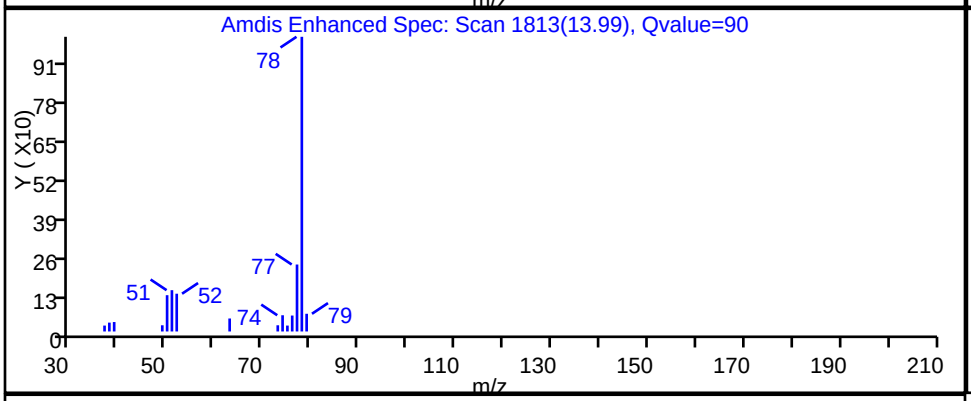
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d

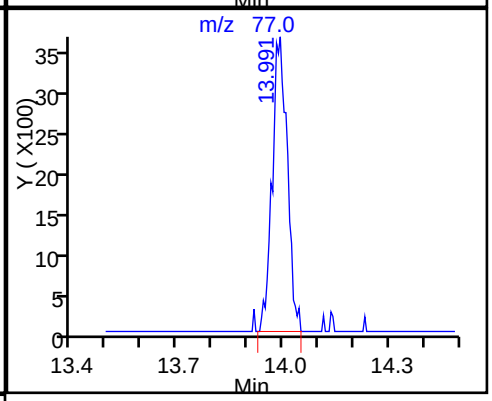
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

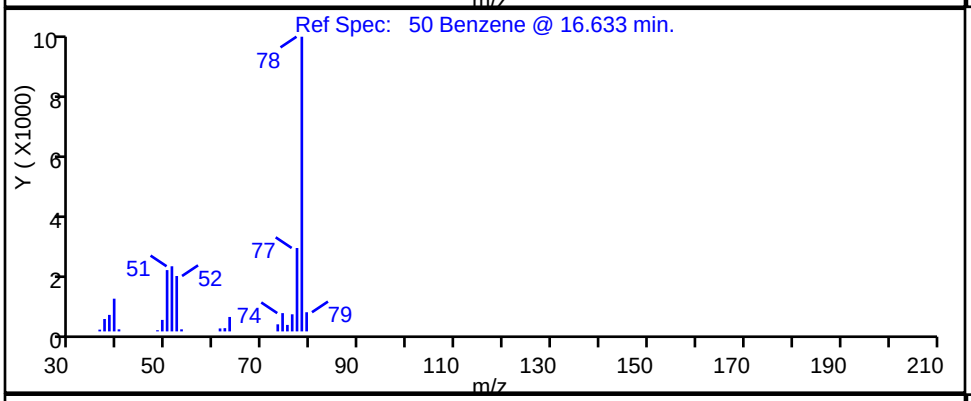
50 Benzene, CAS: 71-43-2

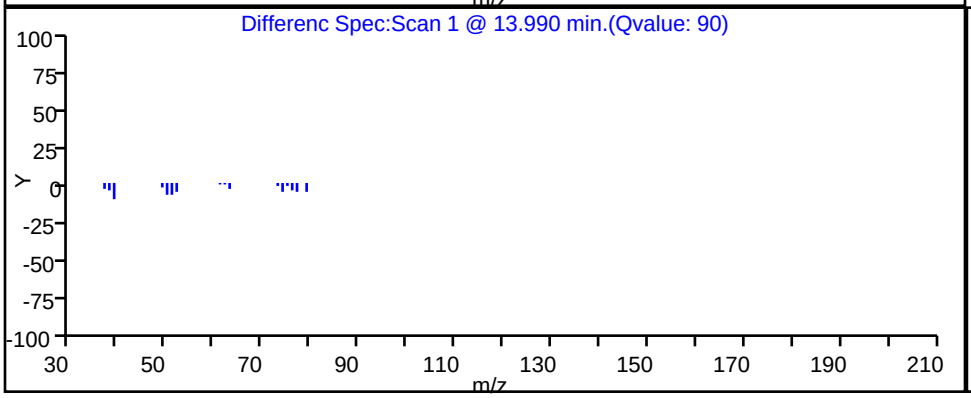


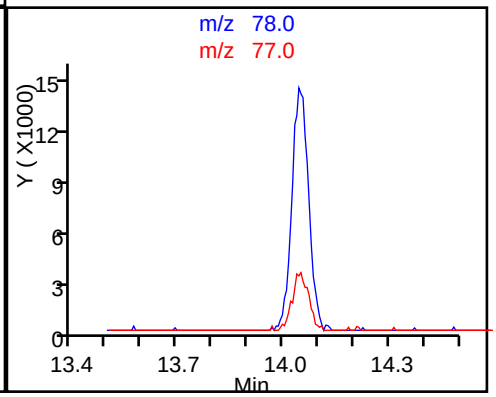












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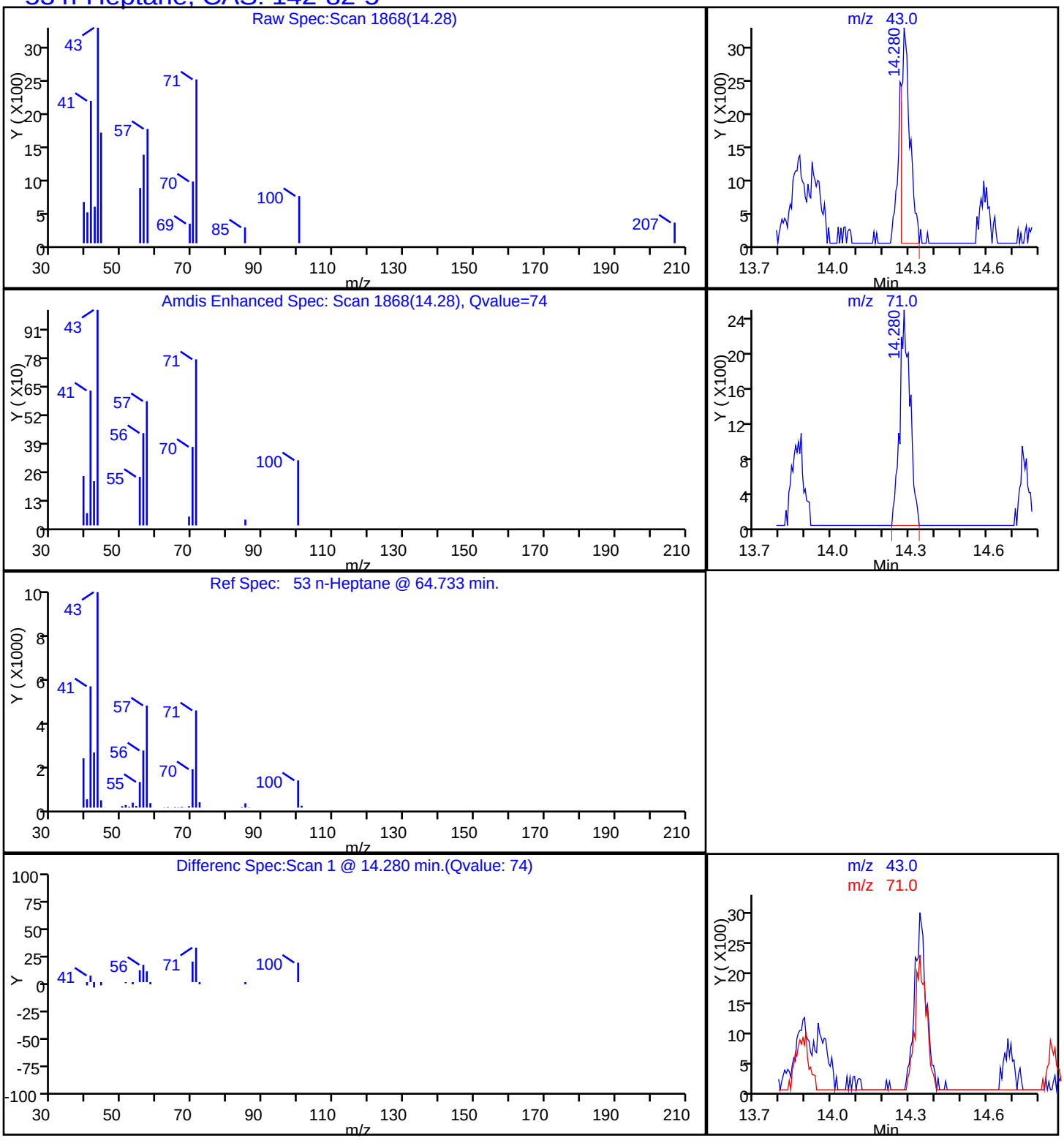
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d				
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5



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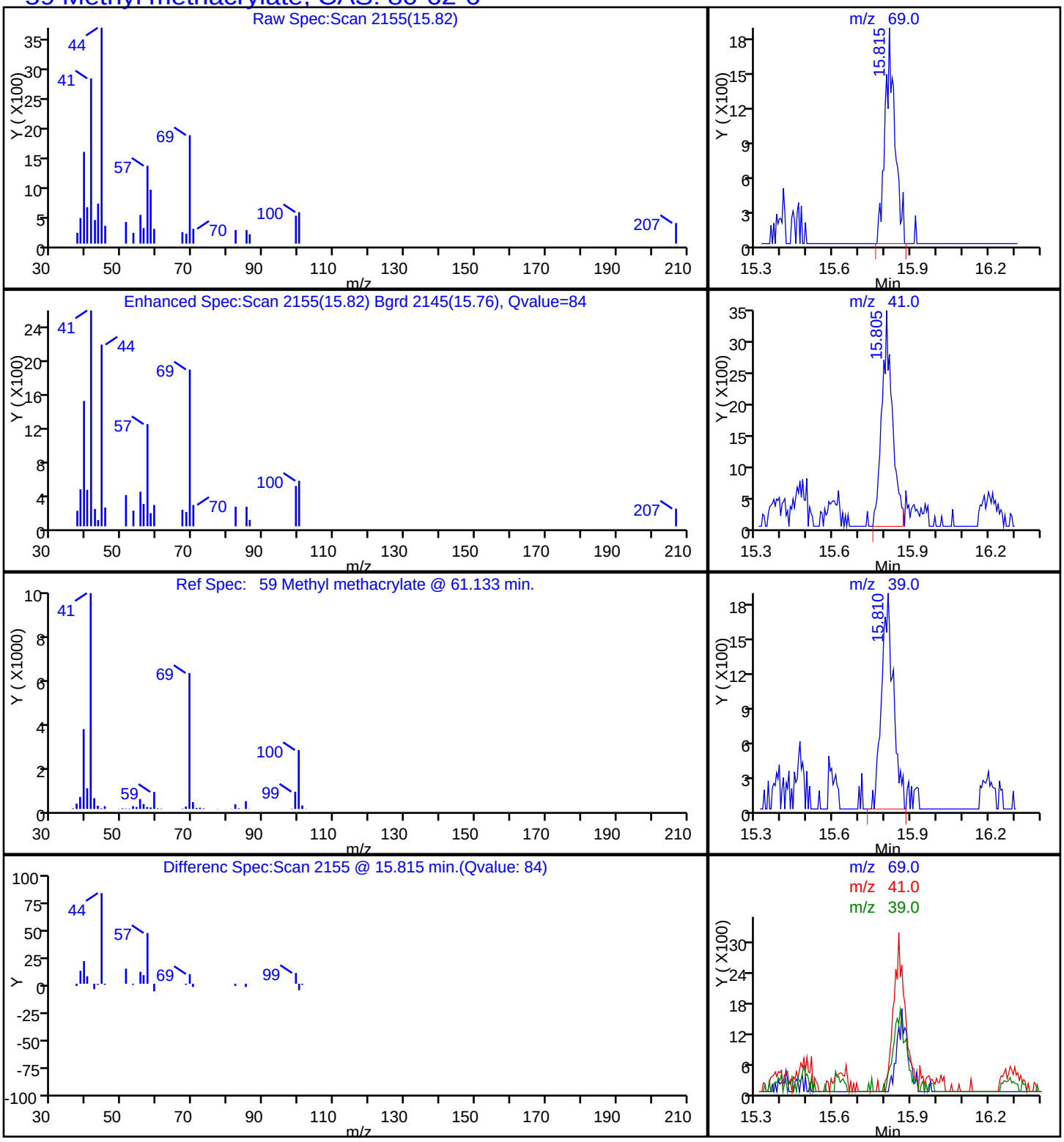
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d

Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

59 Methyl methacrylate, CAS: 80-62-6



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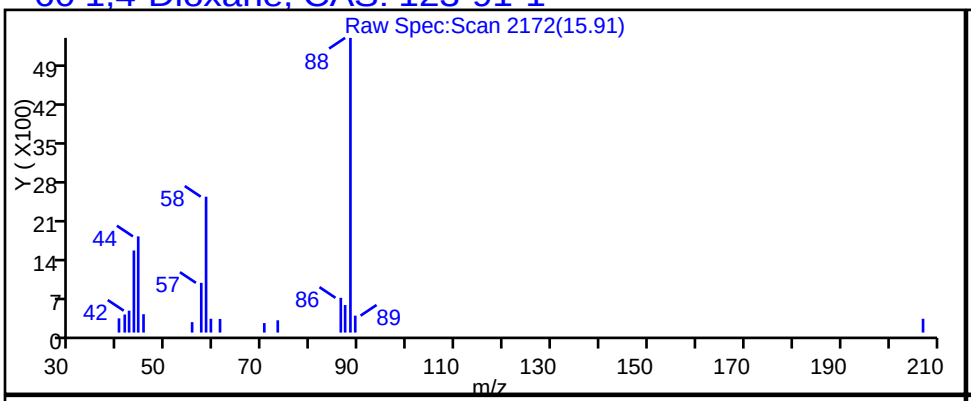
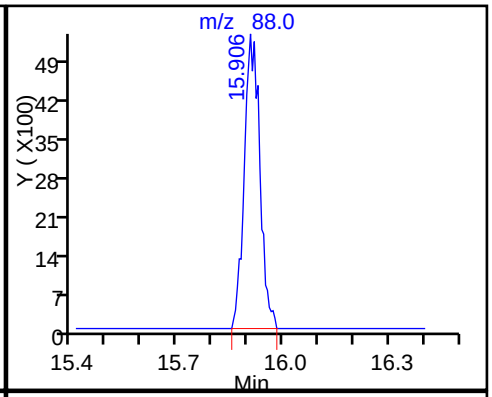
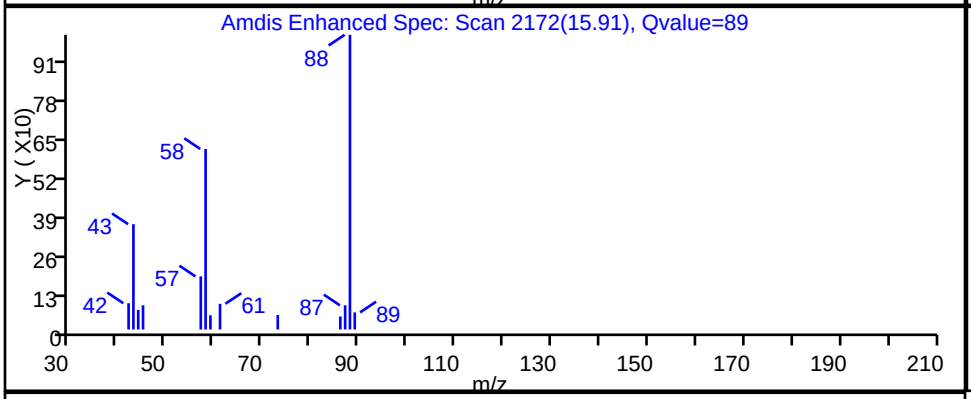
TestAmerica Burlington

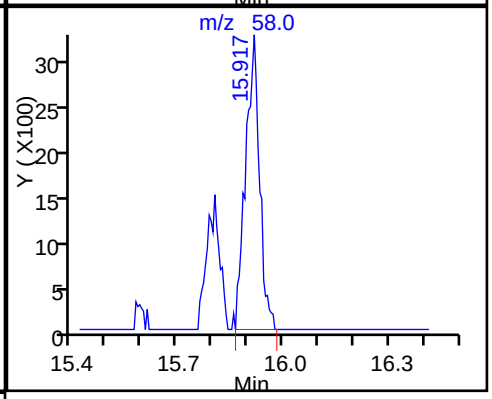
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d				
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

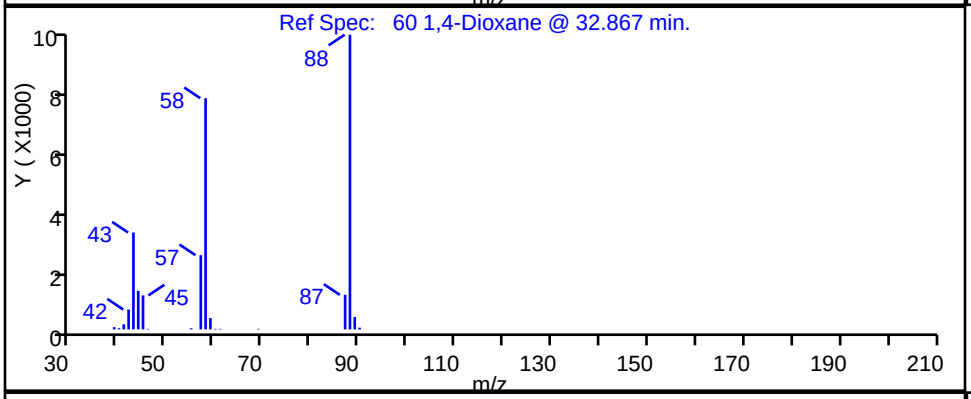
60 1,4-Dioxane, CAS: 123-91-1

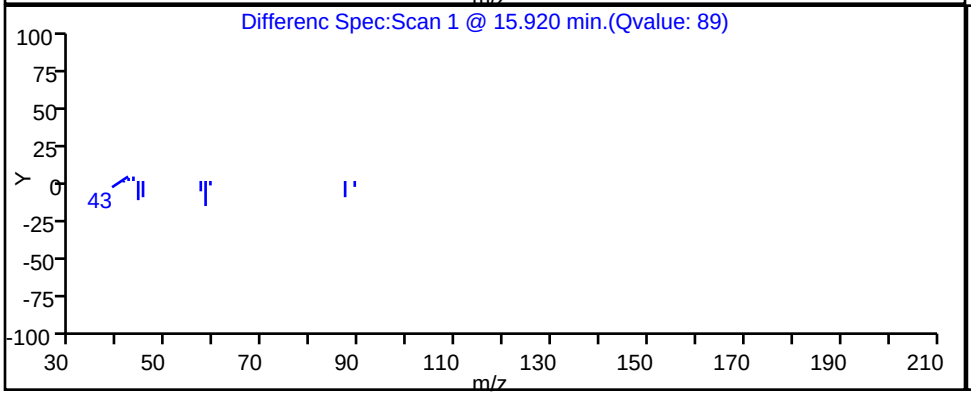


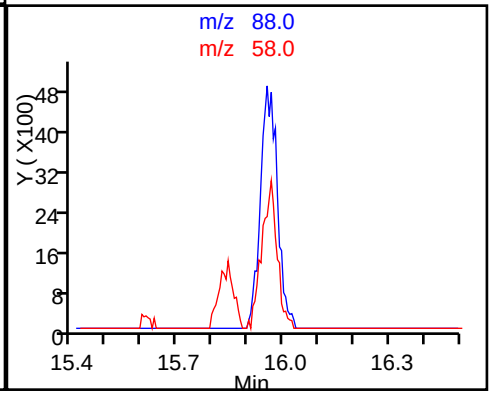












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TestAmerica Burlington

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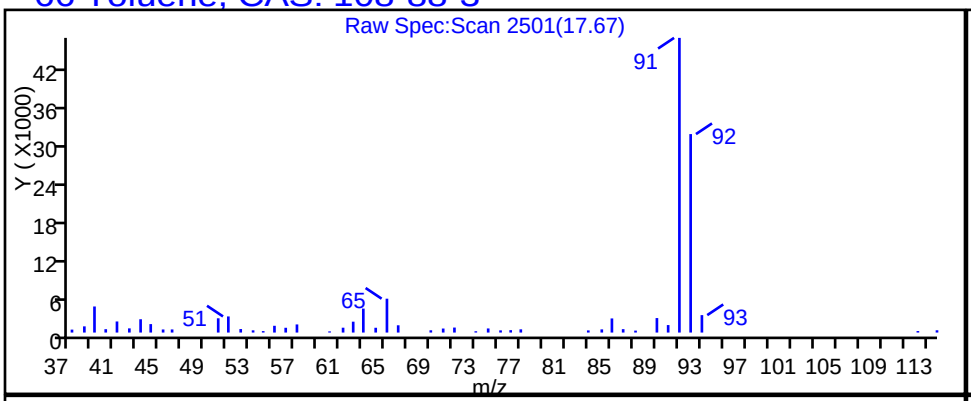
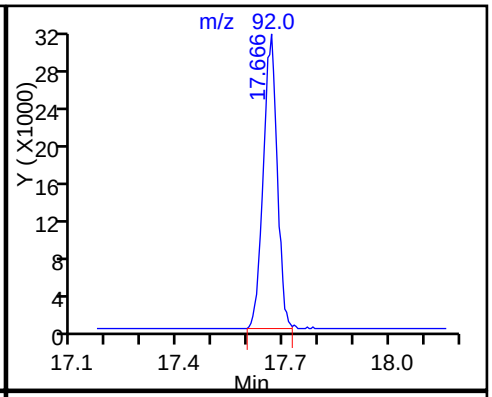
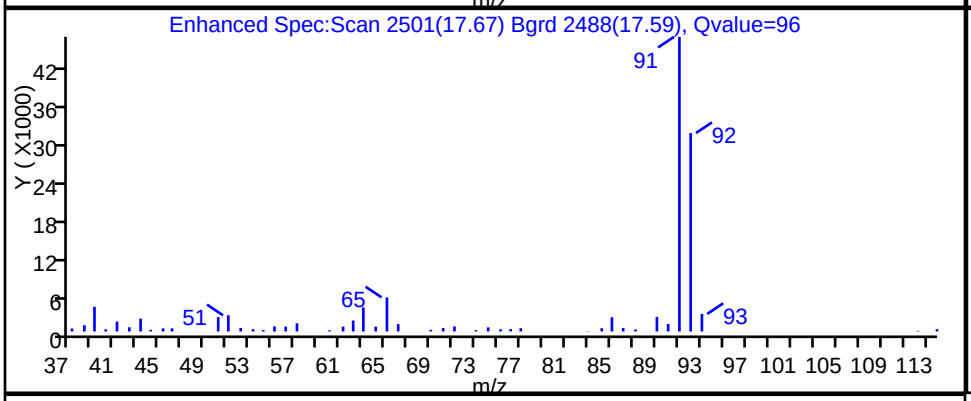
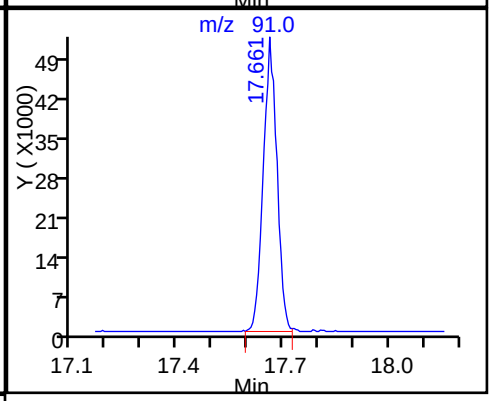
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

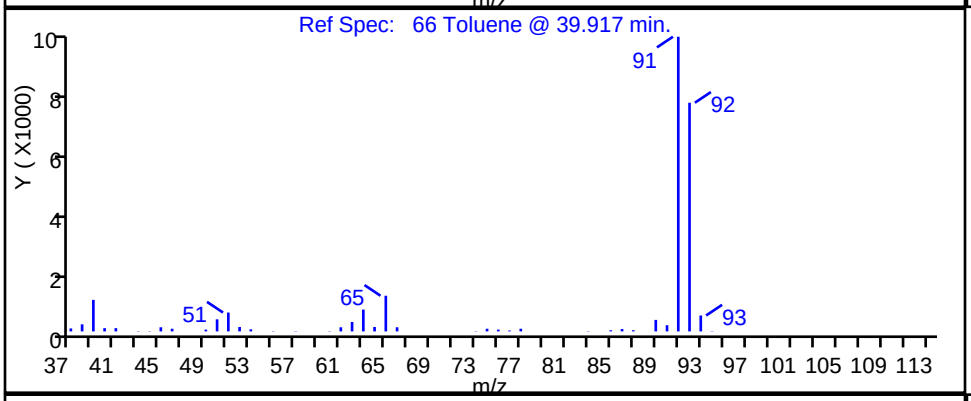
66 Toluene, CAS: 108-88-3

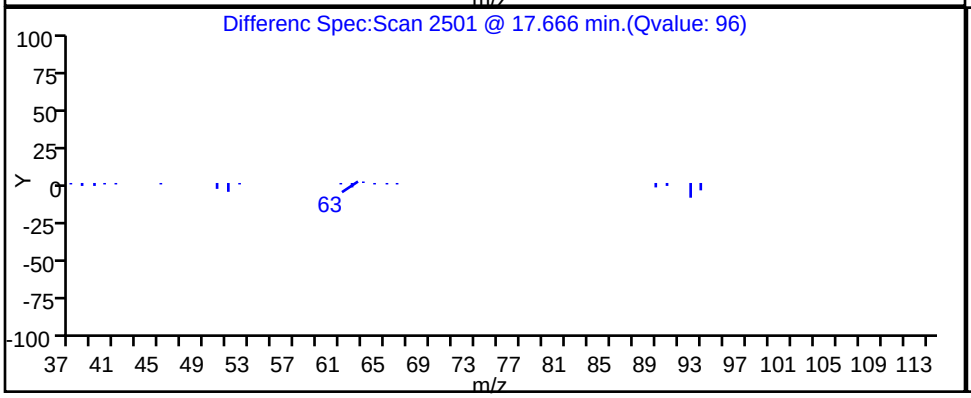


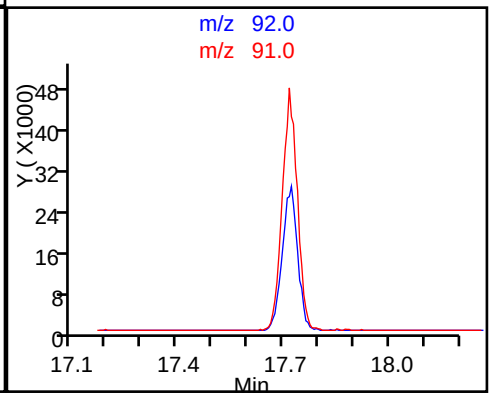












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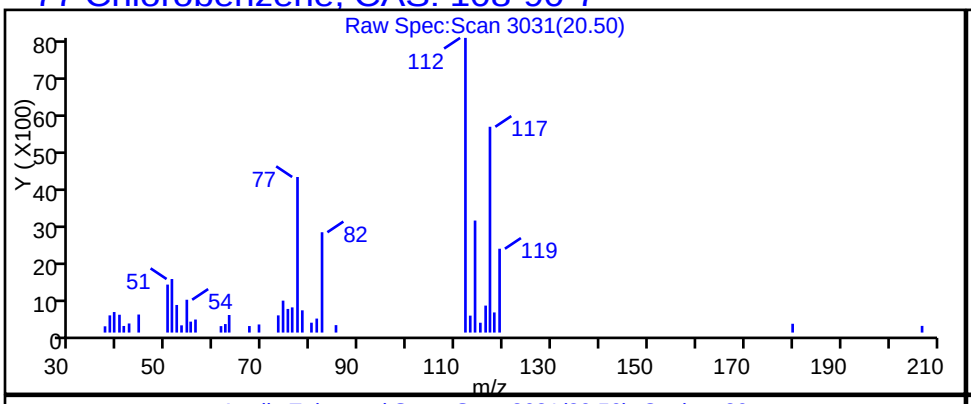
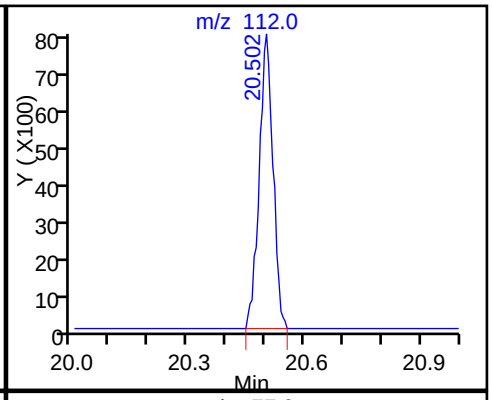
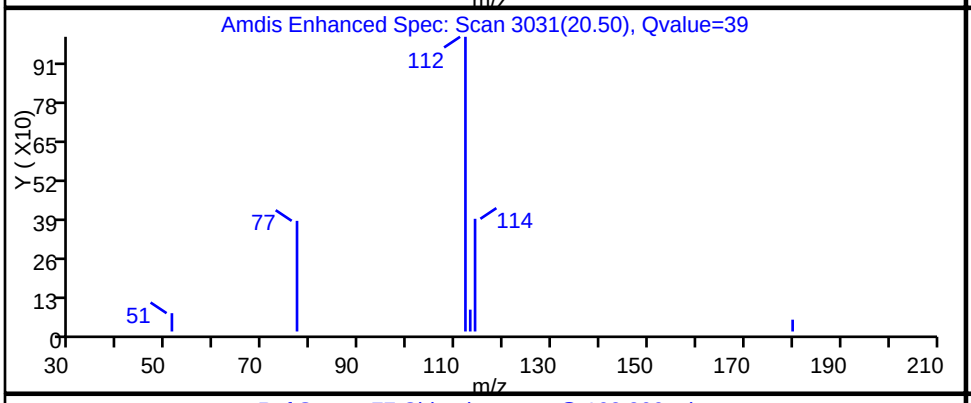
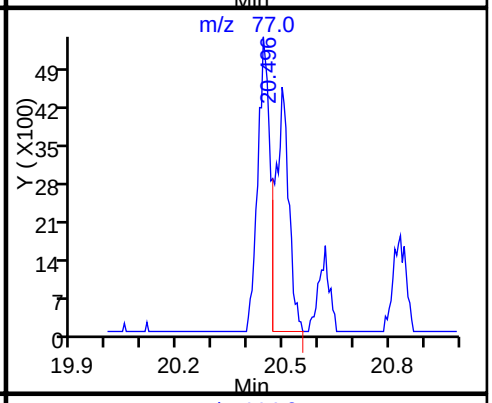
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

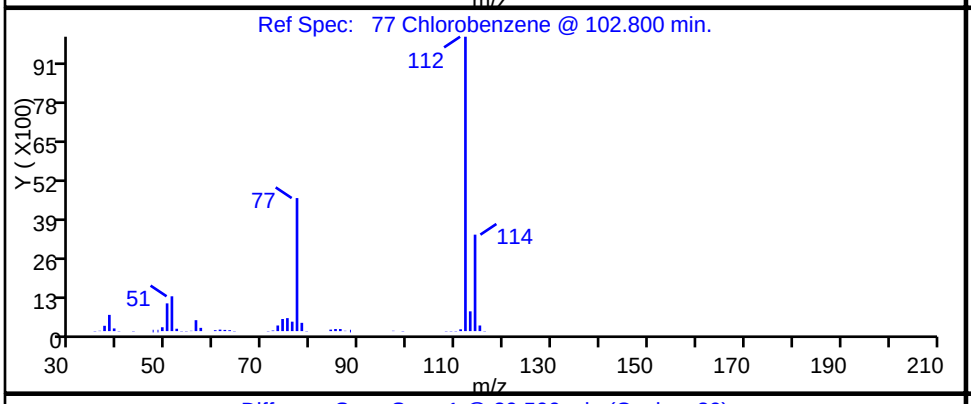
77 Chlorobenzene, CAS: 108-90-7

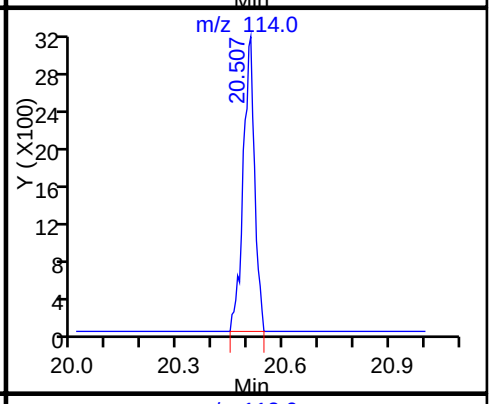


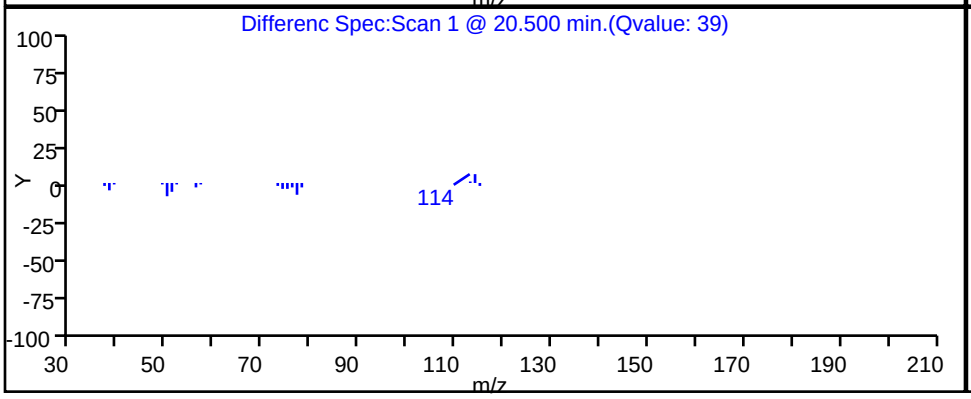


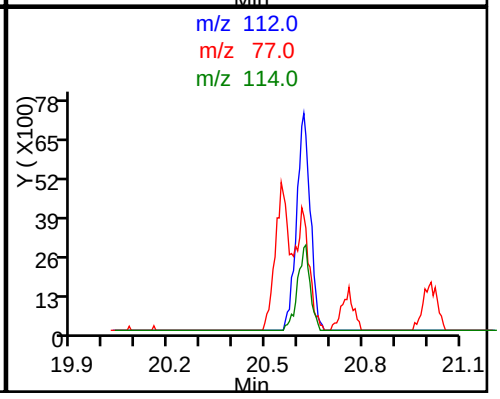










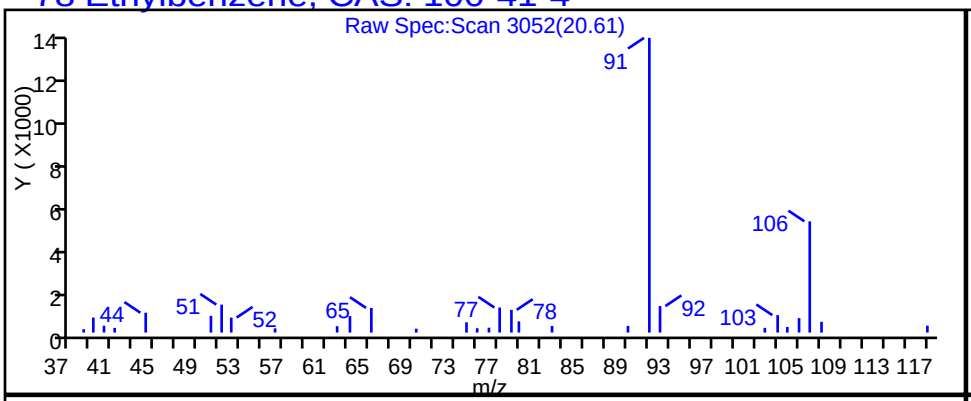


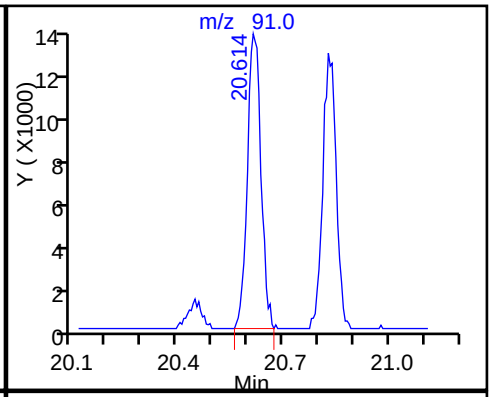
Report Date: 18-Feb-2014 12:36:12 Chrom Revision: 2.2 06-Feb-2014 15:19:06

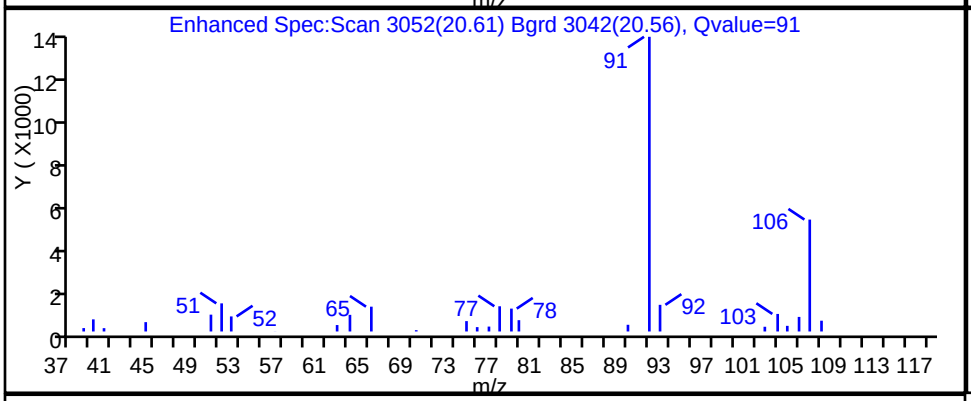
TestAmerica Burlington

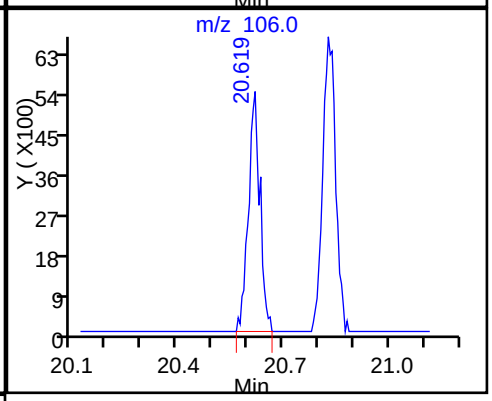
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d				
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

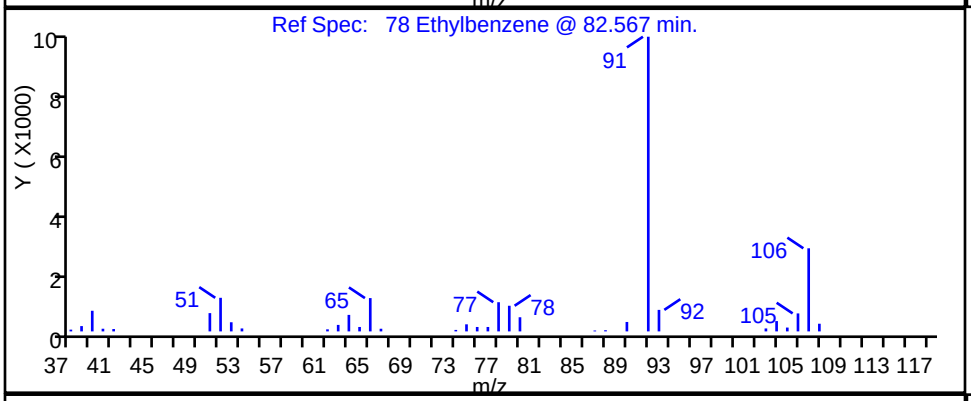
78 Ethylbenzene, CAS: 100-41-4

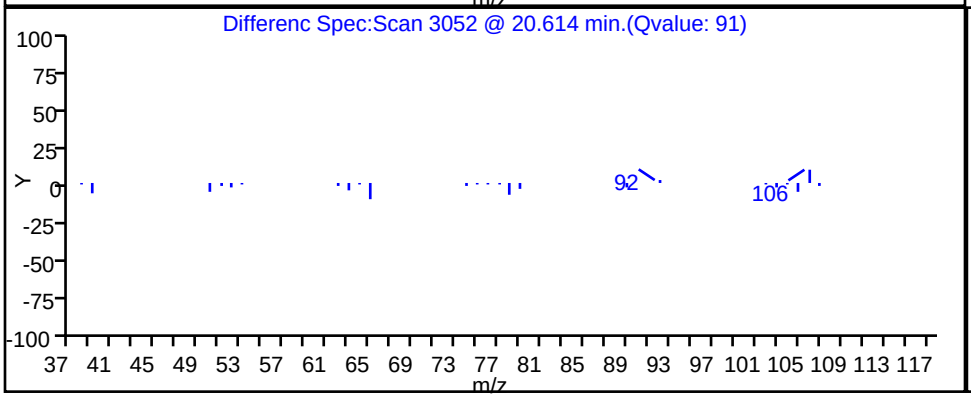


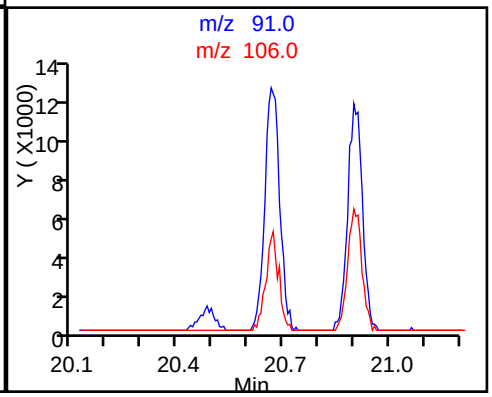












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TestAmerica Burlington

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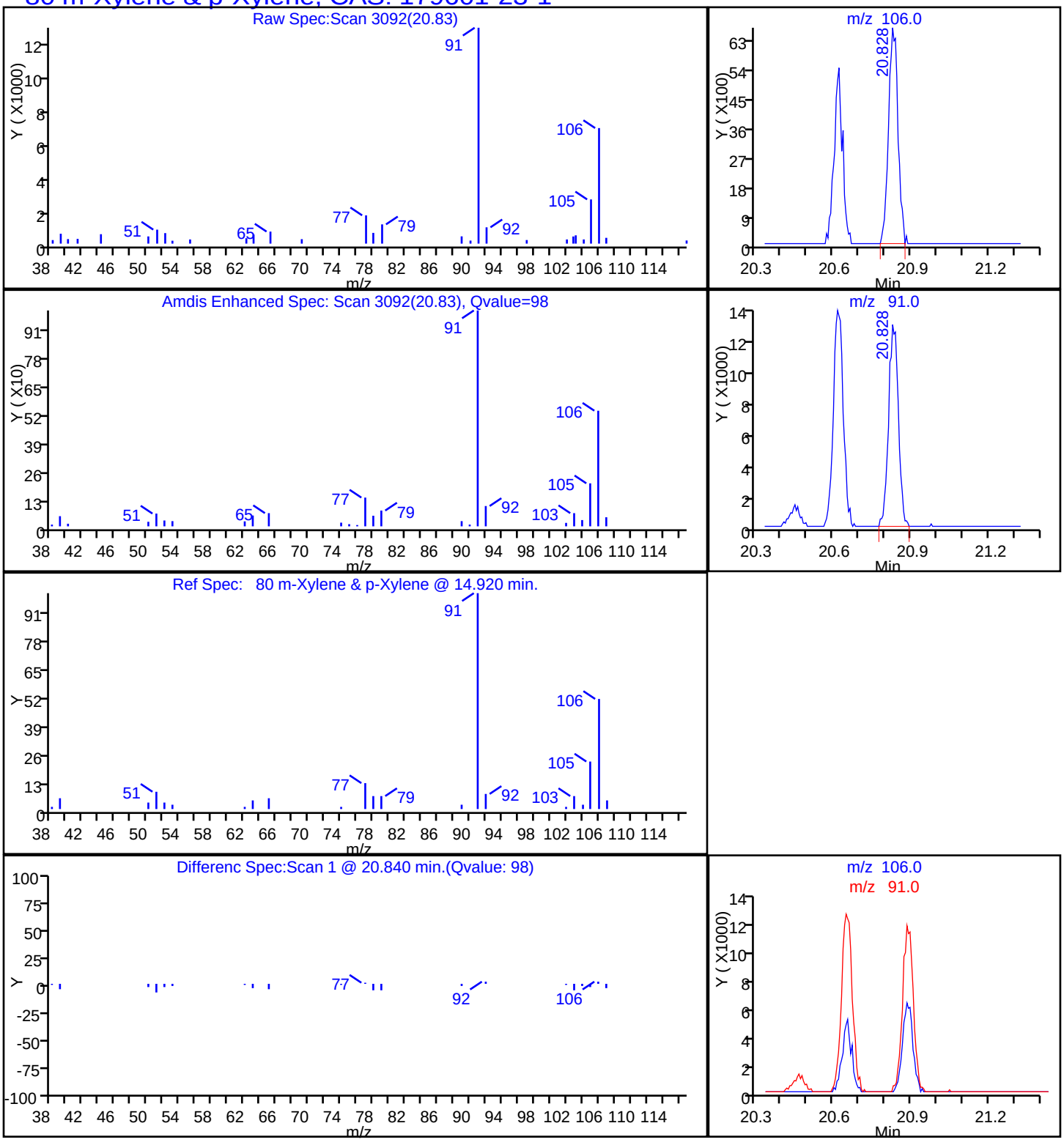
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



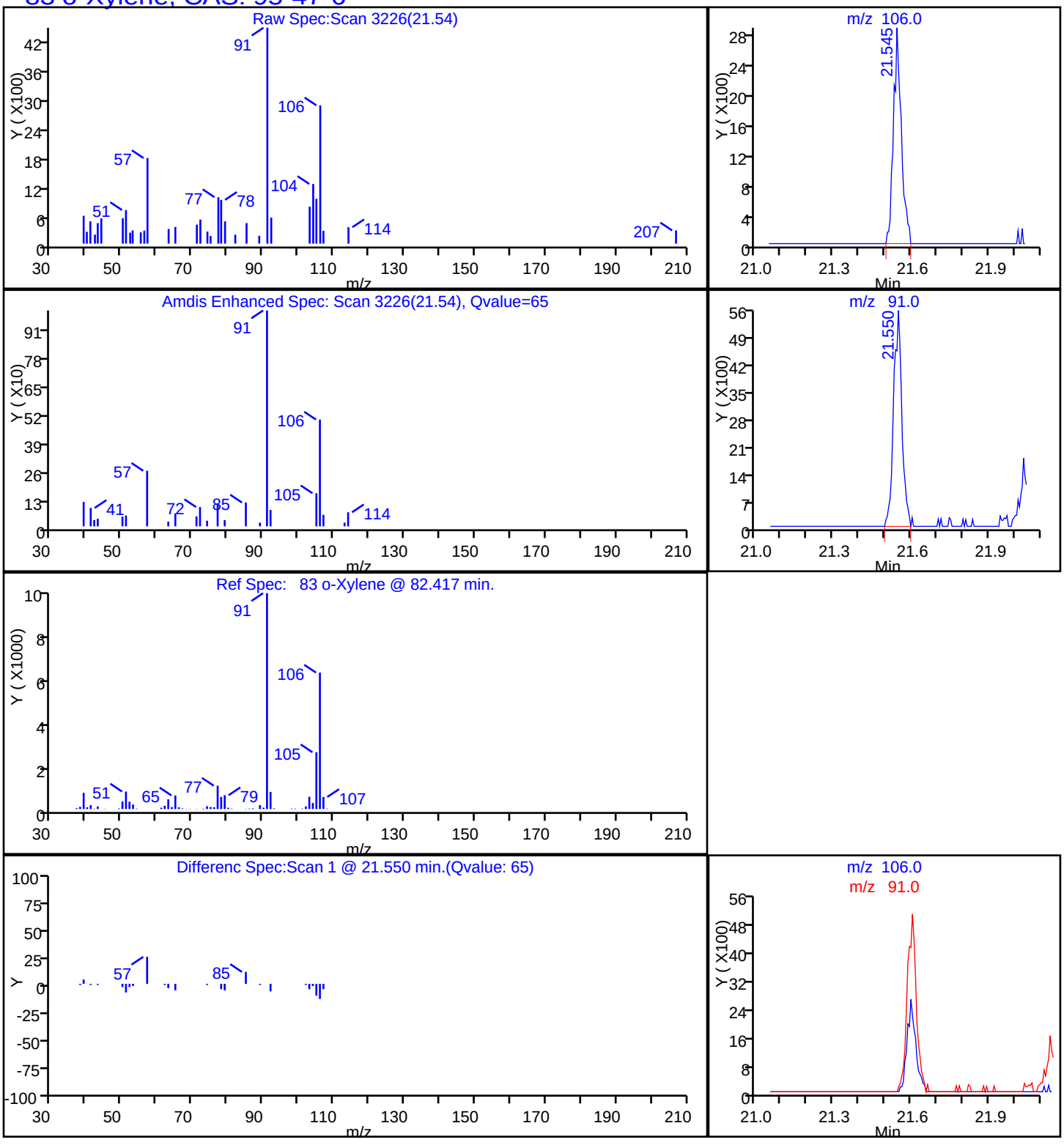
Report Date: 18-Feb-2014 12:36:12 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d

Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21
Client ID:	IA-VMP-4		
Operator ID:	bl	ALS Bottle#:	7 Worklist Smp#: 25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

83 o-Xylene, CAS: 95-47-6



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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d

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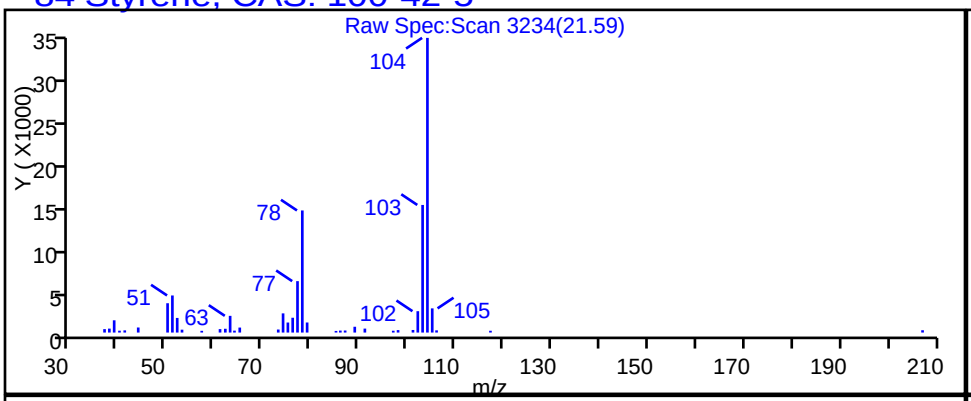
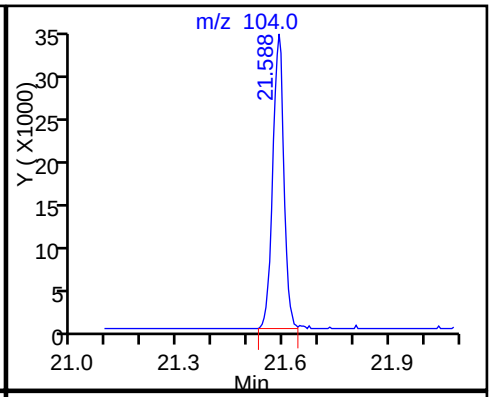
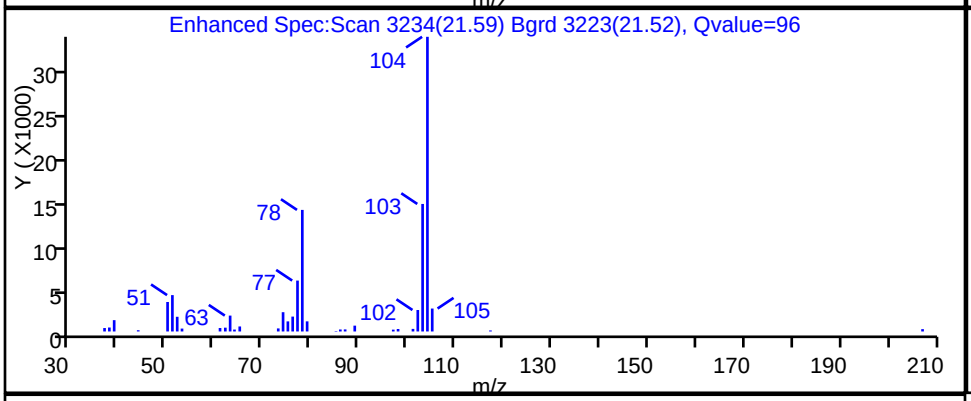
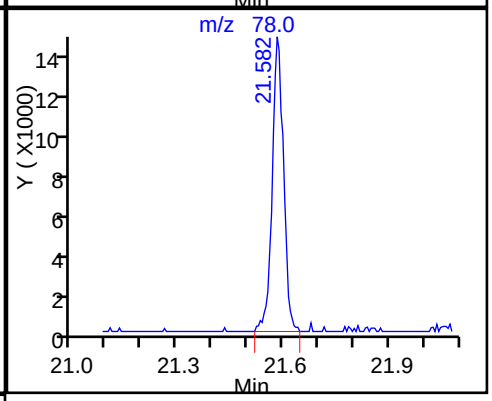
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

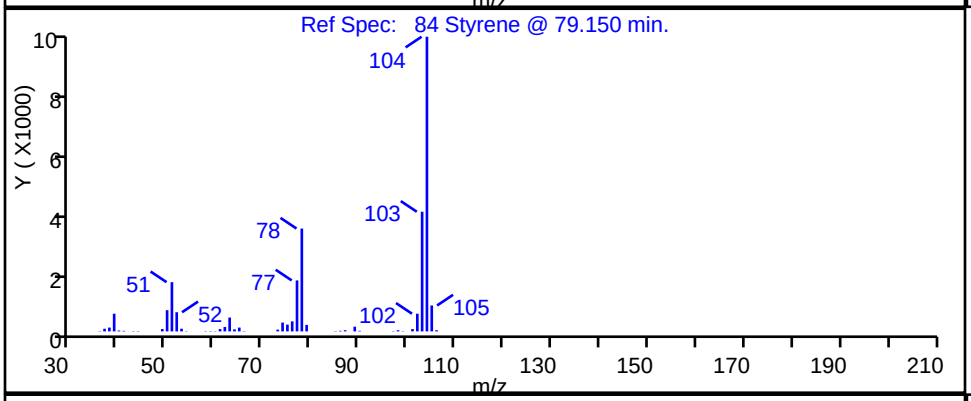
84 Styrene, CAS: 100-42-5

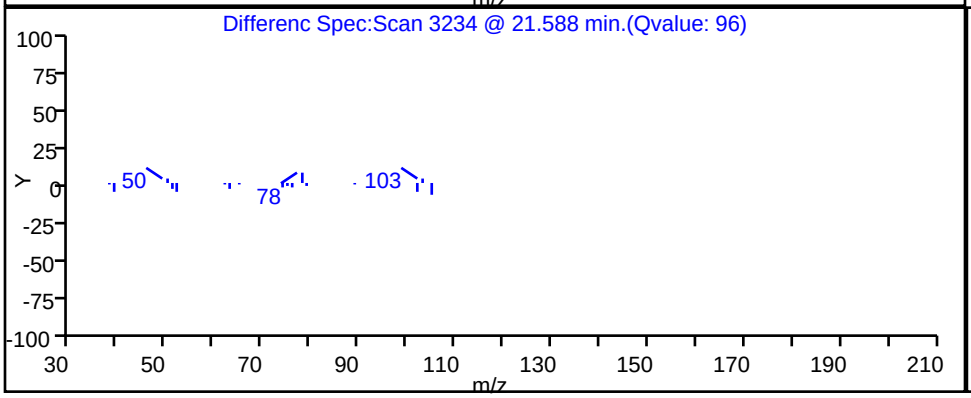


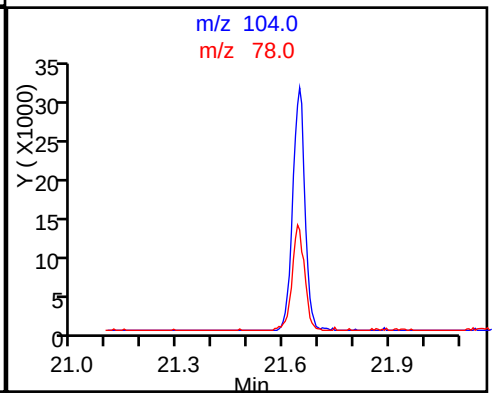










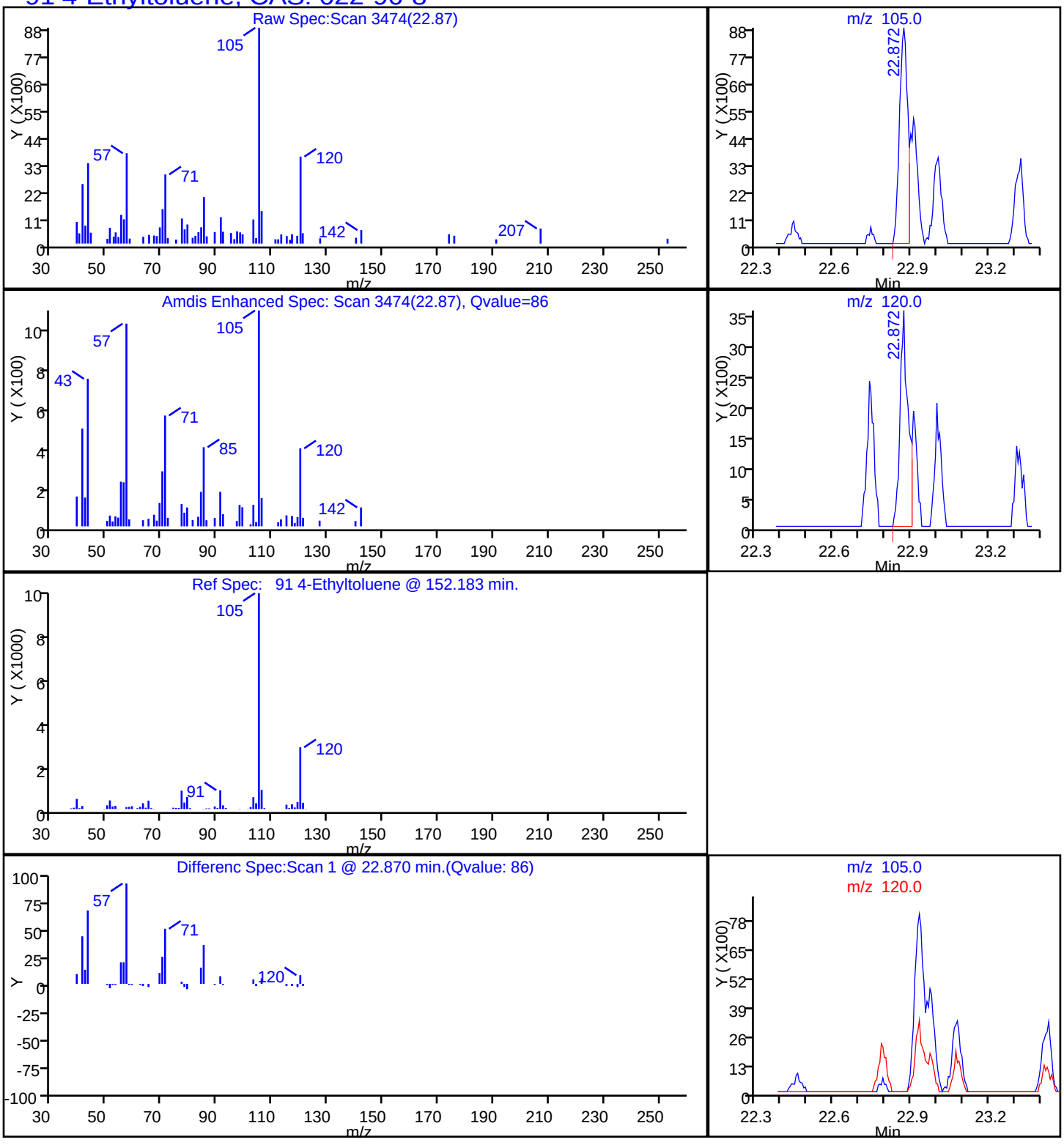


Report Date: 18-Feb-2014 12:36:12 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d				
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 4-Ethyltoluene, CAS: 622-96-8



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TestAmerica Burlington

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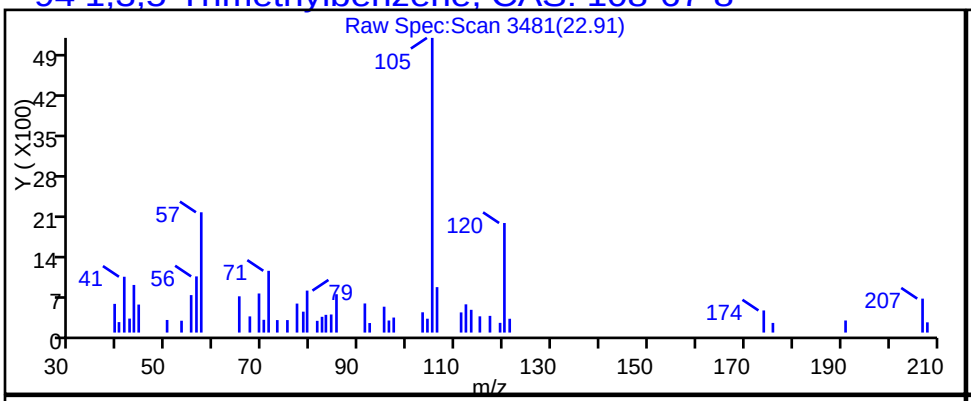
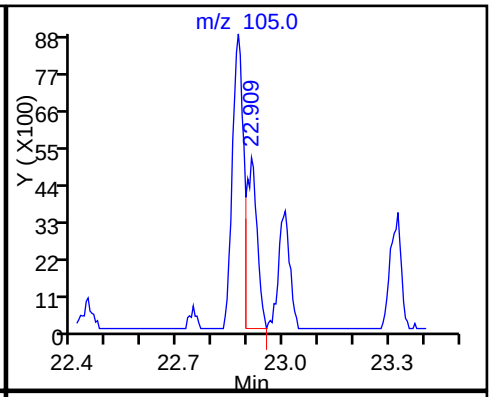
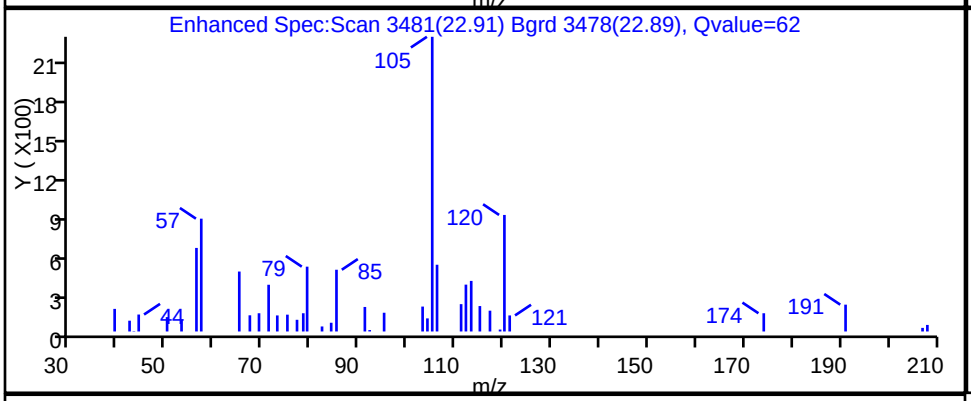
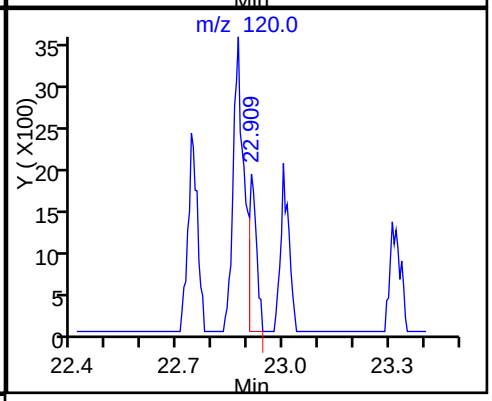
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

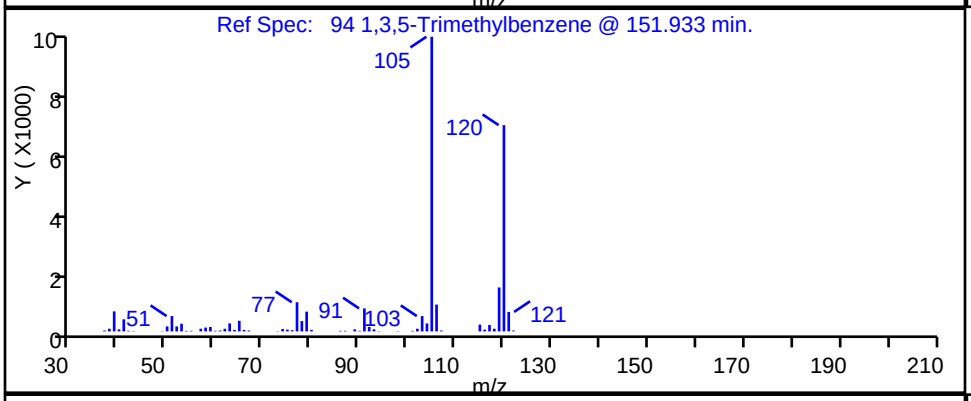
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

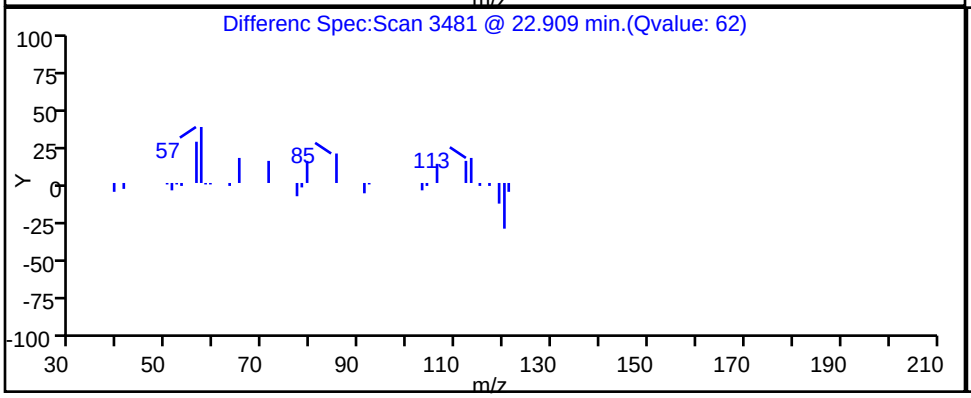


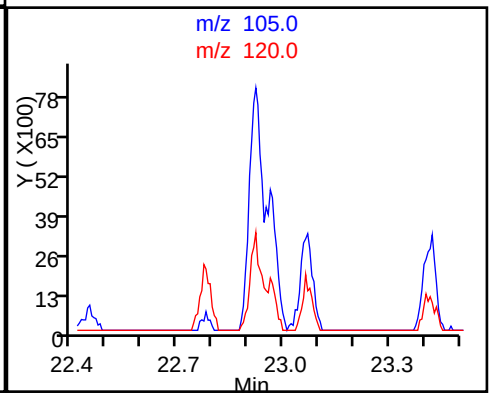












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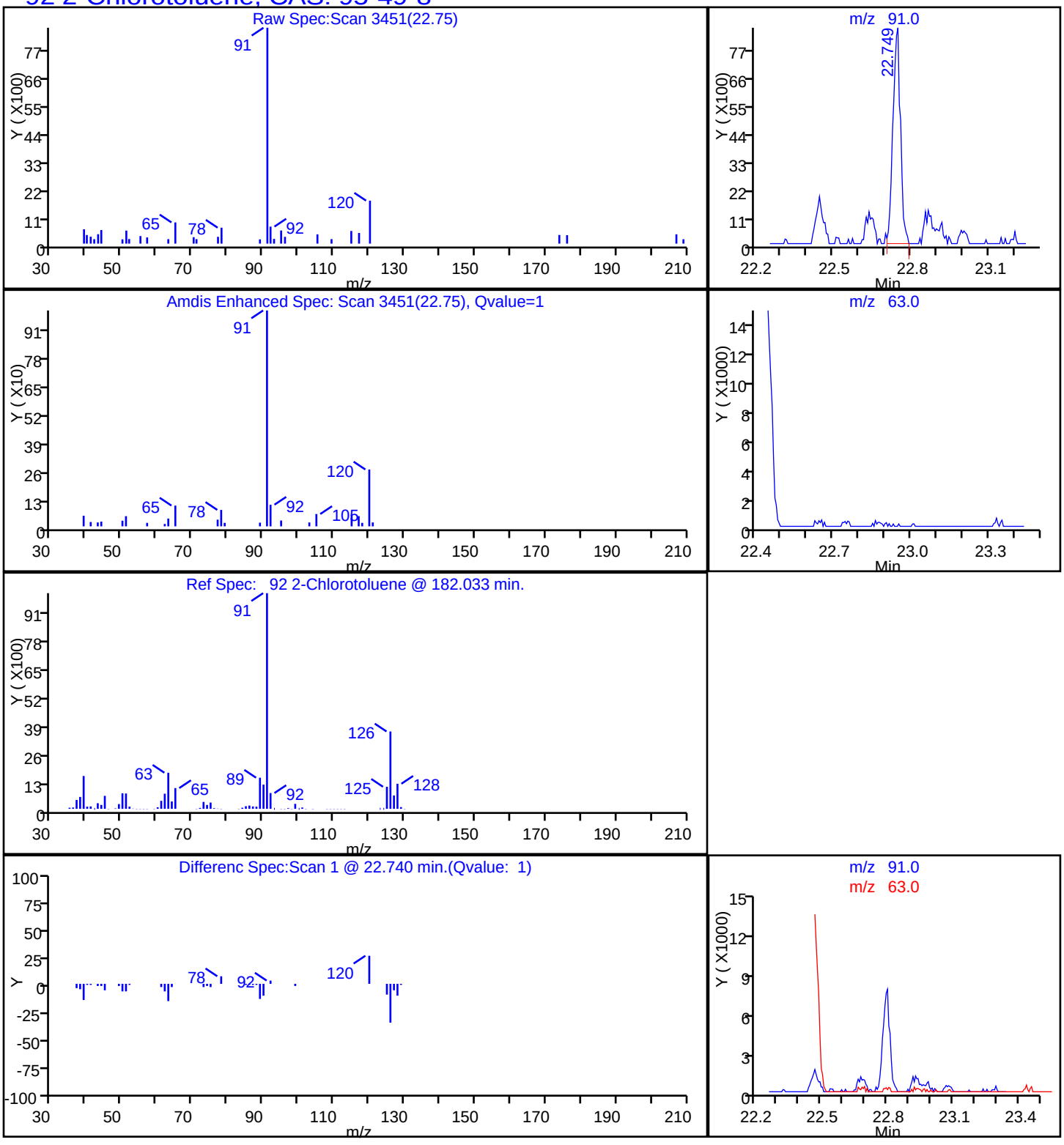
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d

Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21
Client ID:	IA-VMP-4		
Operator ID:	bl	ALS Bottle#:	7 Worklist Smp#: 25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

92 2-Chlorotoluene, CAS: 95-49-8

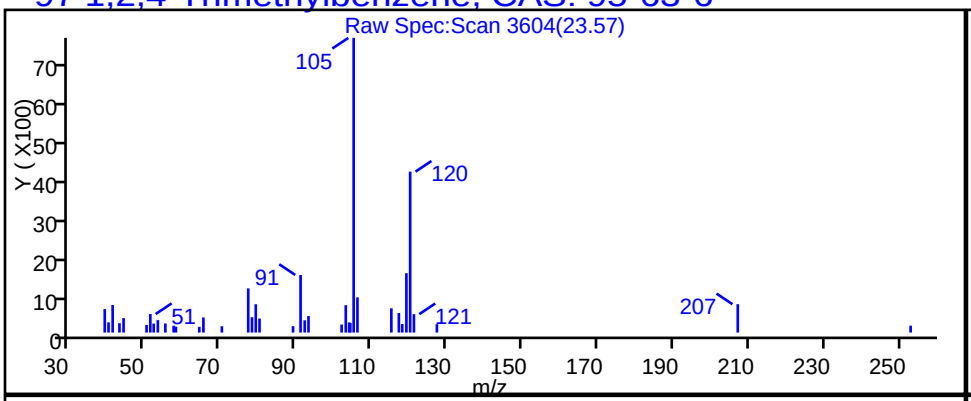


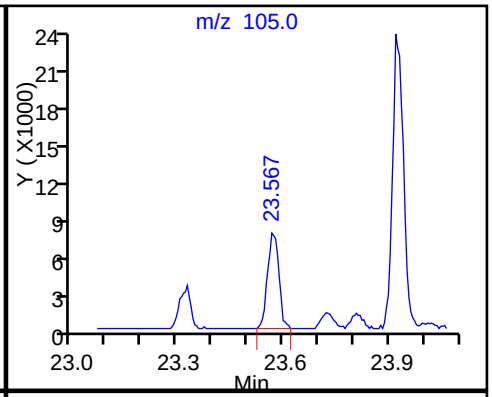
Report Date: 18-Feb-2014 12:36:12 Chrom Revision: 2.2 06-Feb-2014 15:19:06

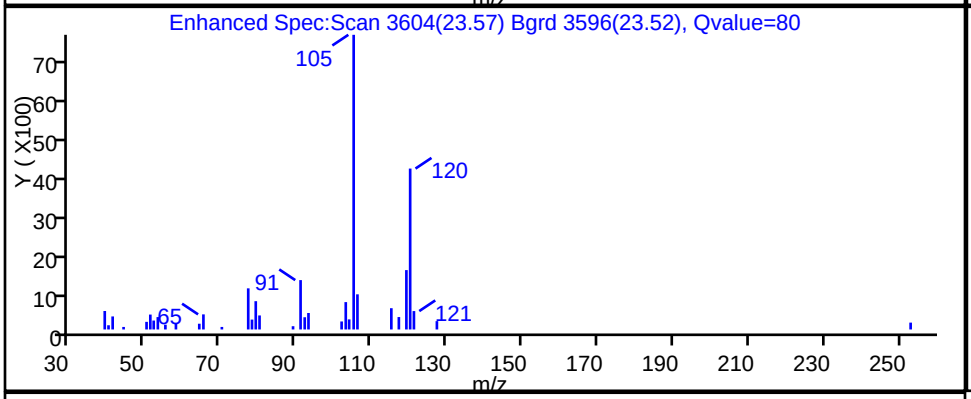
TestAmerica Burlington

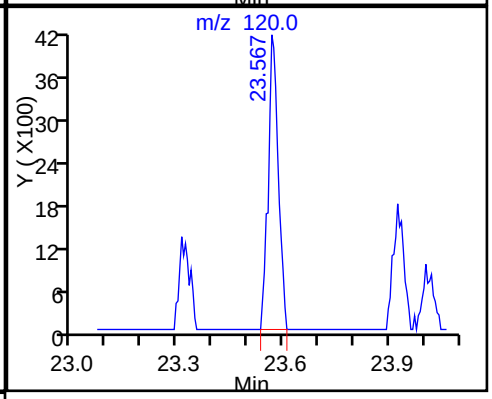
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d				
Injection Date:	18-Feb-2014 07:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-21	Lab Sample ID:	200-20955-21		
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

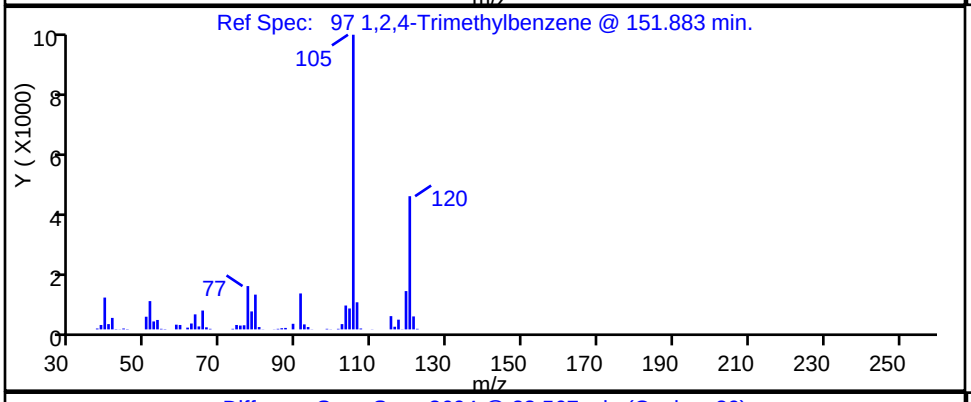
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

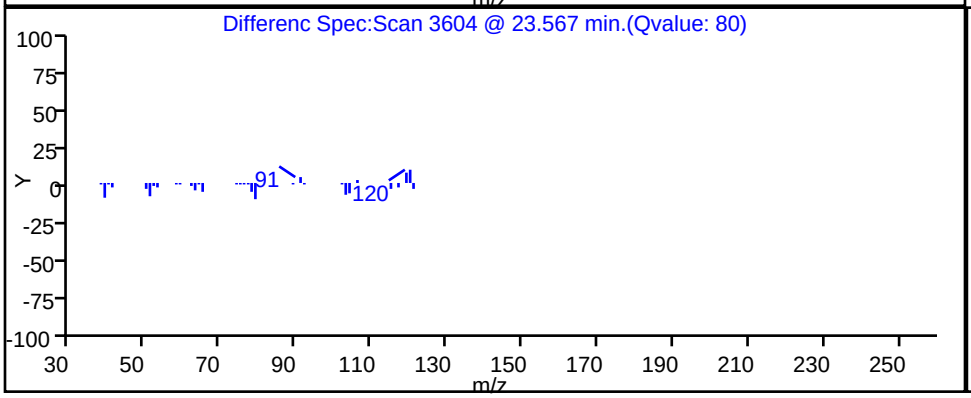


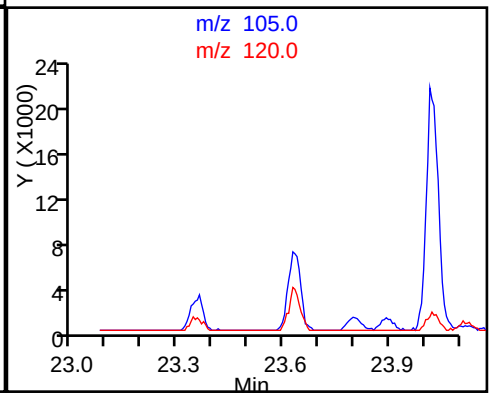












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Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_025.d

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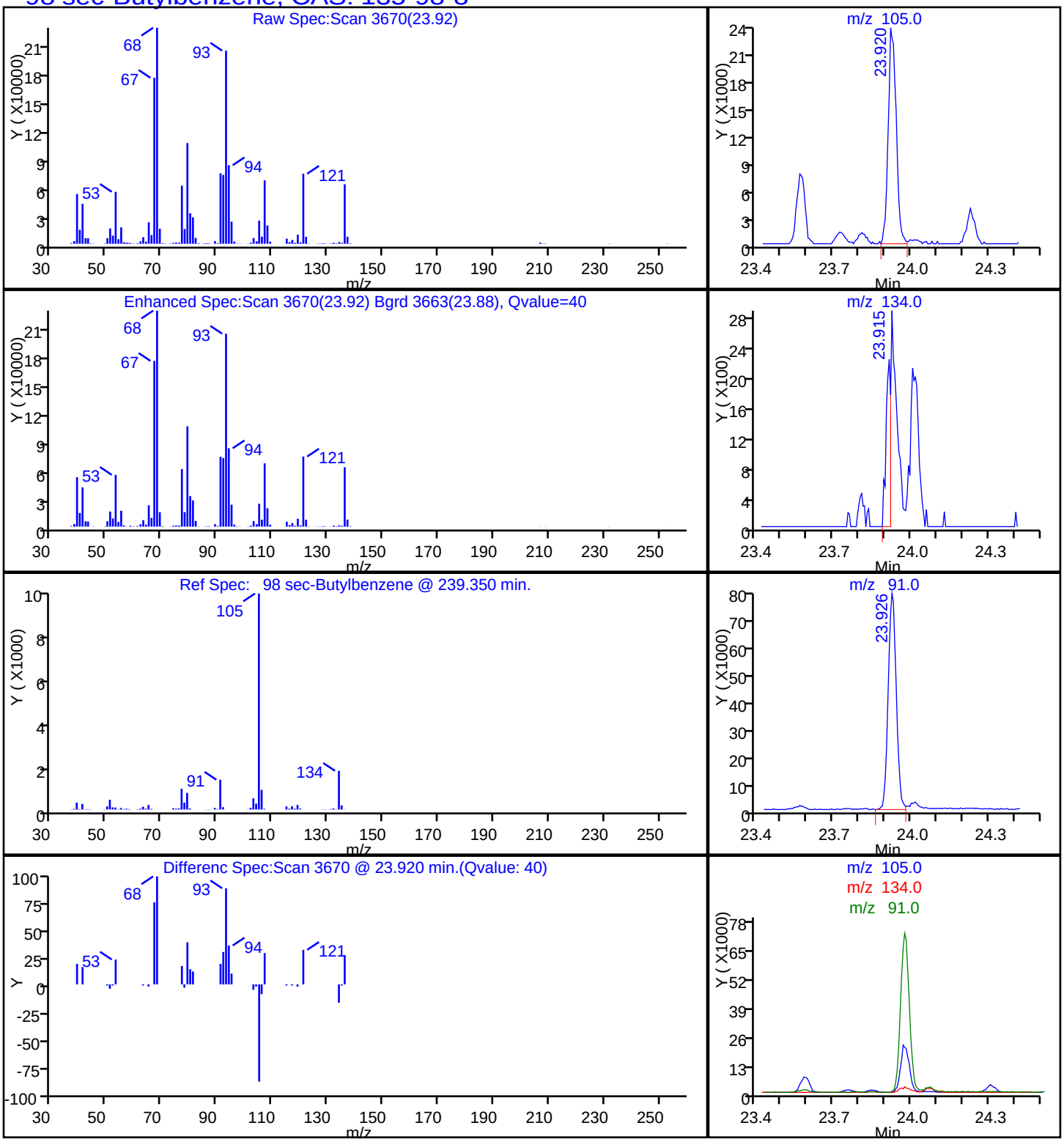
Client ID:	IA-VMP-4				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

98 sec-Butylbenzene, CAS: 135-98-8



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-5A Lab Sample ID: 200-20955-23

Matrix: Air Lab File ID: 6343_15.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:55

Sample wt/vol: 20(mL) Date Analyzed: 02/26/2014 23:37

Soil Aliquot Vol: Dilution Factor: 38.3

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68870 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	19	U	19	1.1
75-45-6	Freon 22	86.47	8.1	J	19	1.8
76-14-2	Freon-114	170.92	7.7	U	7.7	1.3
74-87-3	Chloromethane	50.49	19	U	19	5.2
106-97-8	n-Butane	58.12	19	U	19	11
75-01-4	Vinyl chloride	62.50	1.5	U	1.5	1.5
106-99-0	1,3-Butadiene	54.09	7.7	U	7.7	1.6
74-83-9	Bromomethane	94.94	7.7	U	7.7	1.1
75-00-3	Chloroethane	64.52	19	U	19	1.1
593-60-2	Vinyl bromide	106.96	7.7	U	7.7	1.1
75-69-4	Freon 11	137.37	7.7	U	7.7	1.1
76-13-1	Freon 113	187.38	7.7	U	7.7	0.69
75-35-4	1,1-Dichloroethene	96.94	7.7	U	7.7	0.92
67-64-1	Acetone	58.08	190	U	190	48
67-63-0	Isopropyl alcohol	60.10	710		190	8.2
75-15-0	Carbon disulfide	76.14	19	U	19	2.5
107-05-1	Allyl chloride	76.53	19	U	19	1.3
75-09-2	Methylene Chloride	84.93	470		19	4.8
75-65-0	tert-Butyl alcohol	74.12	190	U	190	13
1634-04-4	Methyl tert-butyl ether	88.15	7.7	U	7.7	0.84
156-60-5	trans-1,2-Dichloroethene	96.94	7.7	U	7.7	1.1
110-54-3	Hexane	86.17	7.7	U	7.7	1.3
75-34-3	1,1-Dichloroethane	98.96	7.7	U	7.7	1.5
78-93-3	Methyl Ethyl Ketone	72.11	19	U	19	9.3
156-59-2	cis-1,2-Dichloroethene	96.94	7.7	U	7.7	1.5
540-59-0	1,2-Dichloroethene, Total	96.94	7.7	U	7.7	2.5
67-66-3	Chloroform	119.38	7.7	U	7.7	0.96
109-99-9	Tetrahydrofuran	72.11	6.4	J	190	1.8
71-55-6	1,1,1-Trichloroethane	133.41	7.7	U	7.7	0.80
110-82-7	Cyclohexane	84.16	7.7	U	7.7	0.96
56-23-5	Carbon tetrachloride	153.81	1.5	U	1.5	0.80
540-84-1	2,2,4-Trimethylpentane	114.23	7.7	U	7.7	1.0
71-43-2	Benzene	78.11	7.7	U	7.7	0.73
107-06-2	1,2-Dichloroethane	98.96	7.7	U	7.7	0.65
142-82-5	Heptane	100.21	7.7	U	7.7	1.8

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-5A Lab Sample ID: 200-20955-23

Matrix: Air Lab File ID: 6343_15.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:55

Sample wt/vol: 20(mL) Date Analyzed: 02/26/2014 23:37

Soil Aliquot Vol: Dilution Factor: 38.3

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68870 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.5	U	1.5	0.92
80-62-6	Methyl methacrylate	100.12	19	U	19	1.1
78-87-5	1,2-Dichloropropane	112.99	7.7	U	7.7	1.2
123-91-1	1,4-Dioxane	88.11	190	U	190	7.7
75-27-4	Bromodichloromethane	163.83	7.7	U	7.7	0.65
10061-01-5	cis-1,3-Dichloropropene	110.97	7.7	U	7.7	1.1
108-10-1	methyl isobutyl ketone	100.16	19	U	19	1.0
108-88-3	Toluene	92.14	1.9	J	7.7	0.65
10061-02-6	trans-1,3-Dichloropropene	110.97	7.7	U	7.7	0.84
79-00-5	1,1,2-Trichloroethane	133.41	7.7	U	7.7	0.65
127-18-4	Tetrachloroethene	165.83	7.7	U	7.7	0.61
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	19	U	19	7.7
124-48-1	Dibromochloromethane	208.29	7.7	U	7.7	0.77
106-93-4	1,2-Dibromoethane	187.87	7.7	U	7.7	0.77
108-90-7	Chlorobenzene	112.56	7.7	U	7.7	0.31
100-41-4	Ethylbenzene	106.17	7.7	U	7.7	0.50
179601-23-1	m,p-Xylene	106.17	19	U	19	0.88
95-47-6	Xylene, o-	106.17	7.7	U	7.7	0.61
1330-20-7	Xylene (total)	106.17	7.7	U	7.7	1.3
100-42-5	Styrene	104.15	7.7	U	7.7	0.69
75-25-2	Bromoform	252.75	7.7	U	7.7	0.38
79-34-5	1,1,2,2-Tetrachloroethane	167.85	7.7	U	7.7	0.61
103-65-1	n-Propylbenzene	120.19	7.7	U	7.7	3.1
622-96-8	4-Ethyltoluene	120.20	7.7	U	7.7	0.69
108-67-8	1,3,5-Trimethylbenzene	120.20	7.7	U	7.7	0.46
95-49-8	2-Chlorotoluene	126.59	7.7	U	7.7	0.50
98-06-6	tert-Butylbenzene	134.22	7.7	U	7.7	0.65
95-63-6	1,2,4-Trimethylbenzene	120.20	7.7	U	7.7	0.54
135-98-8	sec-Butylbenzene	134.22	7.7	U	7.7	3.1
99-87-6	4-Isopropyltoluene	134.22	7.7	U	7.7	3.1
541-73-1	1,3-Dichlorobenzene	147.00	7.7	U	7.7	0.54
106-46-7	1,4-Dichlorobenzene	147.00	7.7	U	7.7	0.54
100-44-7	Benzyl chloride	126.58	7.7	U	7.7	3.1
104-51-8	n-Butylbenzene	134.22	7.7	U	7.7	3.1

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-5A Lab Sample ID: 200-20955-23

Matrix: Air Lab File ID: 6343_15.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:55

Sample wt/vol: 20(mL) Date Analyzed: 02/26/2014 23:37

Soil Aliquot Vol: Dilution Factor: 38.3

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68870 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	7.7	U	7.7	0.54
120-82-1	1,2,4-Trichlorobenzene	181.45	1.1	J * B	19	1.0
87-68-3	Hexachloro-1,3-butadiene	260.76	7.7	U	7.7	0.84
91-20-3	Naphthalene	128.17	19	U * ^	19	7.7

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-5A Lab Sample ID: 200-20955-23

Matrix: Air Lab File ID: 6343_15.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:55

Sample wt/vol: 20(mL) Date Analyzed: 02/26/2014 23:37

Soil Aliquot Vol: Dilution Factor: 38.3

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68870 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	95	U	95	5.7
75-45-6	Freon 22	86.47	29	J	68	6.5
76-14-2	Freon-114	170.92	54	U	54	9.4
74-87-3	Chloromethane	50.49	40	U	40	11
106-97-8	n-Butane	58.12	46	U	46	26
75-01-4	Vinyl chloride	62.50	3.9	U	3.9	3.7
106-99-0	1,3-Butadiene	54.09	17	U	17	3.6
74-83-9	Bromomethane	94.94	30	U	30	4.2
75-00-3	Chloroethane	64.52	51	U	51	3.0
593-60-2	Vinyl bromide	106.96	34	U	34	5.0
75-69-4	Freon 11	137.37	43	U	43	6.5
76-13-1	Freon 113	187.38	59	U	59	5.3
75-35-4	1,1-Dichloroethene	96.94	30	U	30	3.6
67-64-1	Acetone	58.08	450	U	450	110
67-63-0	Isopropyl alcohol	60.10	1700		470	20
75-15-0	Carbon disulfide	76.14	60	U	60	7.9
107-05-1	Allyl chloride	76.53	60	U	60	4.1
75-09-2	Methylene Chloride	84.93	1600		67	17
75-65-0	tert-Butyl alcohol	74.12	580	U	580	38
1634-04-4	Methyl tert-butyl ether	88.15	28	U	28	3.0
156-60-5	trans-1,2-Dichloroethene	96.94	30	U	30	4.4
110-54-3	Hexane	86.17	27	U	27	4.6
75-34-3	1,1-Dichloroethane	98.96	31	U	31	5.9
78-93-3	Methyl Ethyl Ketone	72.11	56	U	56	27
156-59-2	cis-1,2-Dichloroethene	96.94	30	U	30	5.8
540-59-0	1,2-Dichloroethene, Total	96.94	30	U	30	9.7
67-66-3	Chloroform	119.38	37	U	37	4.7
109-99-9	Tetrahydrofuran	72.11	19	J	560	5.2
71-55-6	1,1,1-Trichloroethane	133.41	42	U	42	4.4
110-82-7	Cyclohexane	84.16	26	U	26	3.3
56-23-5	Carbon tetrachloride	153.81	9.6	U	9.6	5.1
540-84-1	2,2,4-Trimethylpentane	114.23	36	U	36	4.8
71-43-2	Benzene	78.11	24	U	24	2.3
107-06-2	1,2-Dichloroethane	98.96	31	U	31	2.6
142-82-5	Heptane	100.21	31	U	31	7.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-5A Lab Sample ID: 200-20955-23

Matrix: Air Lab File ID: 6343_15.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:55

Sample wt/vol: 20(mL) Date Analyzed: 02/26/2014 23:37

Soil Aliquot Vol: Dilution Factor: 38.3

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68870 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	8.2	U	8.2	4.9
80-62-6	Methyl methacrylate	100.12	78	U	78	4.7
78-87-5	1,2-Dichloropropane	112.99	35	U	35	5.7
123-91-1	1,4-Dioxane	88.11	690	U	690	28
75-27-4	Bromodichloromethane	163.83	51	U	51	4.4
10061-01-5	cis-1,3-Dichloropropene	110.97	35	U	35	4.9
108-10-1	methyl isobutyl ketone	100.16	78	U	78	4.2
108-88-3	Toluene	92.14	7.1	J	29	2.5
10061-02-6	trans-1,3-Dichloropropene	110.97	35	U	35	3.8
79-00-5	1,1,2-Trichloroethane	133.41	42	U	42	3.6
127-18-4	Tetrachloroethene	165.83	52	U	52	4.2
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	78	U	78	31
124-48-1	Dibromochloromethane	208.29	65	U	65	6.5
106-93-4	1,2-Dibromoethane	187.87	59	U	59	5.9
108-90-7	Chlorobenzene	112.56	35	U	35	1.4
100-41-4	Ethylbenzene	106.17	33	U	33	2.2
179601-23-1	m,p-Xylene	106.17	83	U	83	3.8
95-47-6	Xylene, o-	106.17	33	U	33	2.7
1330-20-7	Xylene (total)	106.17	33	U	33	5.7
100-42-5	Styrene	104.15	33	U	33	2.9
75-25-2	Bromoform	252.75	79	U	79	4.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	53	U	53	4.2
103-65-1	n-Propylbenzene	120.19	38	U	38	15
622-96-8	4-Ethyltoluene	120.20	38	U	38	3.4
108-67-8	1,3,5-Trimethylbenzene	120.20	38	U	38	2.3
95-49-8	2-Chlorotoluene	126.59	40	U	40	2.6
98-06-6	tert-Butylbenzene	134.22	42	U	42	3.6
95-63-6	1,2,4-Trimethylbenzene	120.20	38	U	38	2.6
135-98-8	sec-Butylbenzene	134.22	42	U	42	17
99-87-6	4-Isopropyltoluene	134.22	42	U	42	17
541-73-1	1,3-Dichlorobenzene	147.00	46	U	46	3.2
106-46-7	1,4-Dichlorobenzene	147.00	46	U	46	3.2
100-44-7	Benzyl chloride	126.58	40	U	40	16
104-51-8	n-Butylbenzene	134.22	42	U	42	17

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-5A Lab Sample ID: 200-20955-23

Matrix: Air Lab File ID: 6343_15.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:55

Sample wt/vol: 20(mL) Date Analyzed: 02/26/2014 23:37

Soil Aliquot Vol: Dilution Factor: 38.3

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68870 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	46	U	46	3.2
120-82-1	1,2,4-Trichlorobenzene	181.45	8.3	J * B	140	7.7
87-68-3	Hexachloro-1,3-butadiene	260.76	82	U	82	9.0
91-20-3	Naphthalene	128.17	100	U * ^	100	40

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_15.D
Lims ID: 200-20955-A-23 Lab Sample ID: 200-20955-23
Client ID: IA-VMP-5A
Sample Type: Client
Inject. Date: 26-Feb-2014 23:37:30 ALS Bottle#: 12 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 38.3000
Sample Info: 200-0006343-015
Misc. Info.: 20955-23
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 27-Feb-2014 10:22:51 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: desjardinsb Date: 27-Feb-2014 10:22:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
5 Dichlorodifluoromethane	85		3.261					
6 Chlorodifluoromethane	51	3.330	3.320	0.010	29	4010	0.2117	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.549					
8 Chloromethane	50		3.699					
9 Butane	43		3.918					
10 Vinyl chloride	62		3.971					
11 Butadiene	54		4.056					
12 Bromomethane	94		4.798					
13 Chloroethane	64		5.054					
15 Vinyl bromide	106		5.471					
16 Trichlorofluoromethane	101		5.577					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.719					
23 1,1-Dichloroethene	96		6.762					
25 Acetone	43		7.045					
26 Carbon disulfide	76		7.152					
28 Isopropyl alcohol	45	7.376	7.365	0.011	98	195572	18.6	
29 3-Chloro-1-propene	41		7.595					
31 Methylene Chloride	49	7.904	7.904	0.0	71	152069	12.4	
32 2-Methyl-2-propanol	59		8.160					
33 Methyl tert-butyl ether	73		8.321					
34 trans-1,2-Dichloroethene	61		8.347					
36 Hexane	57		8.742					
37 1,1-Dichloroethane	63		9.265					
S 39 1,2-Dichloroethene, Total	61		10.200					
40 cis-1,2-Dichloroethene	96		10.434					
41 2-Butanone (MEK)	72		10.509					
* 43 Chlorobromomethane	128	10.919	10.920	-0.001	66	365998	10.0	
44 Tetrahydrofuran	42	10.989	10.936	0.053	54	2155	0.1659	
45 Chloroform	83		11.064					
46 Cyclohexane	84		11.293					
47 1,1,1-Trichloroethane	97		11.336					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	49 Carbon tetrachloride	117		11.592					
	50 Isooctane	57		12.051					
	51 Benzene	78		12.094					
	52 1,2-Dichloroethane	62		12.302					
	53 n-Heptane	43		12.462					
*	54 1,4-Difluorobenzene	114	12.990	12.990	0.0	92	2015877	10.0	
	56 Trichloroethene	95		13.471					
	58 1,2-Dichloropropane	63		14.074					
	59 Methyl methacrylate	69		14.250					
	60 1,4-Dioxane	88		14.319					
	62 Dichlorobromomethane	83		14.639					
	64 cis-1,3-Dichloropropene	75		15.600					
	65 4-Methyl-2-pentanone (MIBK)	43		15.910					
	66 Toluene	92	16.192	16.198	-0.006	48	4416	0.0494	
	70 trans-1,3-Dichloropropene	75		16.812					
	71 1,1,2-Trichloroethane	83		17.190					
	72 Tetrachloroethene	166		17.281					
	73 2-Hexanone	43		17.655					
	74 Chlorodibromomethane	129		17.959					
	75 Ethylene Dibromide	107		18.236					
*	76 Chlorobenzene-d5	117	19.133	19.133	0.0	80	1814381	10.0	
	77 Chlorobenzene	112		19.192					
	79 Ethylbenzene	91		19.341					
	81 m-Xylene & p-Xylene	106	19.592	19.592	0.0	2	1069	0.0134	
S	82 Xylenes, Total	106				0		0.0134	
	83 o-Xylene	106		20.403					
	84 Styrene	104		20.451					
	85 Bromoform	173		20.852					
$	87 4-Bromofluorobenzene	95	21.385	21.391	-0.006	95	1183631	NC	
	88 1,1,2,2-Tetrachloroethane	83		21.657					
	89 N-Propylbenzene	91		21.716					
	92 4-Ethyltoluene	105		21.898					
	93 2-Chlorotoluene	91		21.908					
	94 1,3,5-Trimethylbenzene	105		21.999					
	96 tert-Butylbenzene	119		22.469					
	97 1,2,4-Trimethylbenzene	105		22.559					
	98 sec-Butylbenzene	105		22.784					
	99 4-Isopropyltoluene	119		22.981					
	100 1,3-Dichlorobenzene	146		23.018					
	101 1,4-Dichlorobenzene	146		23.157					
	102 Benzyl chloride	91		23.365					
	103 n-Butylbenzene	91		23.568					
	105 1,2-Dichlorobenzene	146		23.712					
	107 1,2,4-Trichlorobenzene	180	26.348	26.343	0.005	11	2681	0.0290	
	108 Hexachlorobutadiene	225		26.530					
	109 Naphthalene	128		26.866					

WorkSheet Quantitation Report

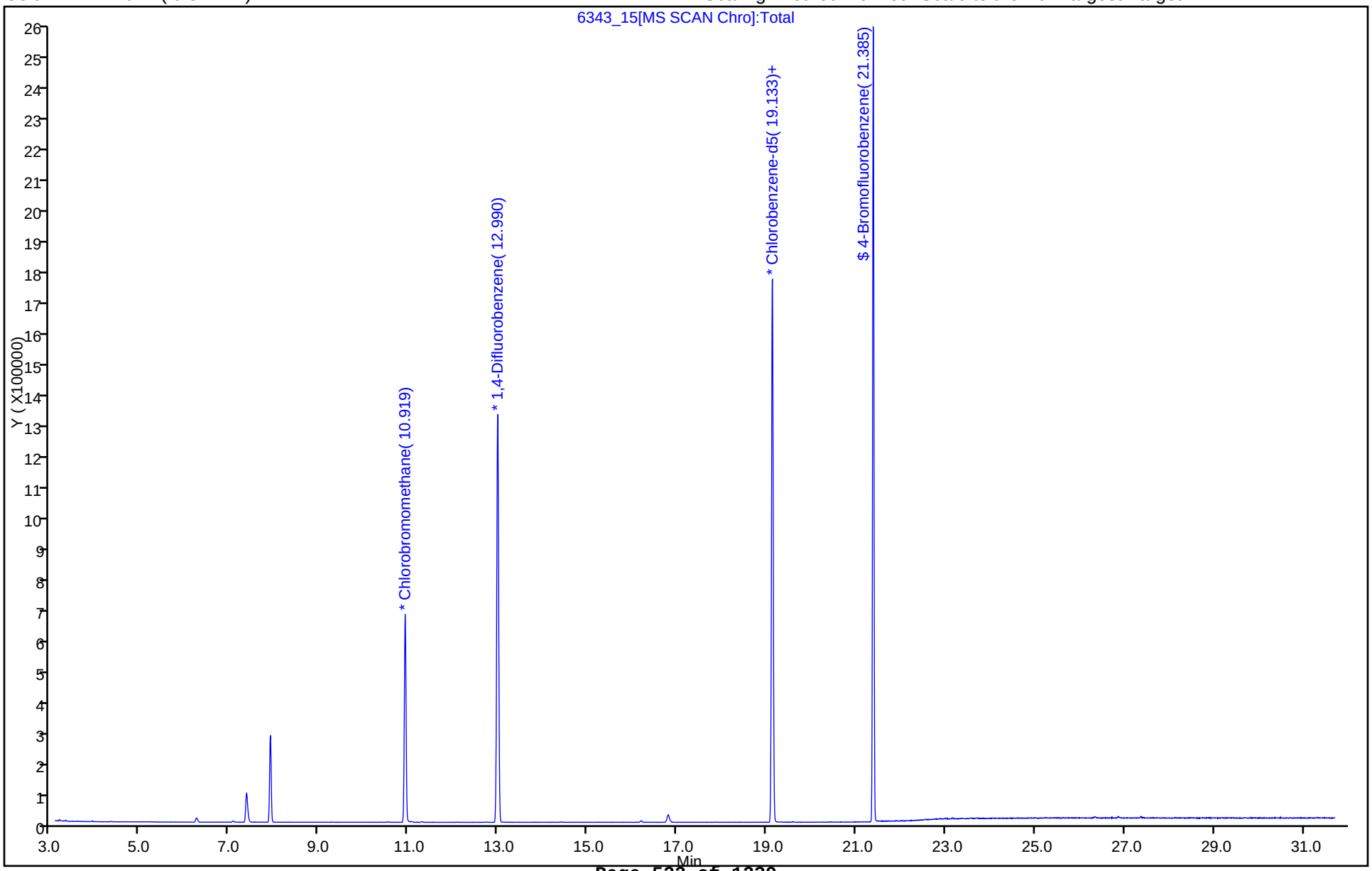
Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 27-Feb-2014 10:22:52 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_15.D				
Injection Date:	26-Feb-2014 23:37:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-20955-A-23	Lab Sample ID:	200-20955-23	Worklist Smp#:	15
Client ID:	IA-VMP-5A				
Purge Vol:	200.000 mL	Dil. Factor:	38.3000	ALS Bottle#:	12
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



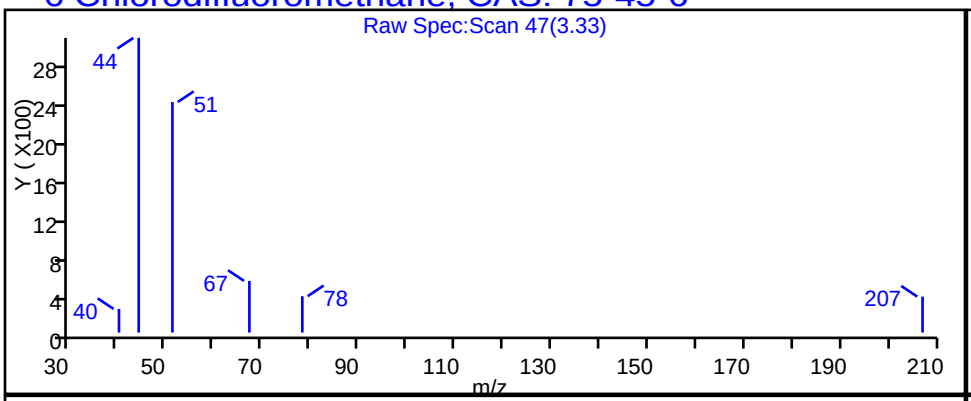
Report Date: 27-Feb-2014 10:22:52 Chrom Revision: 2.2 06-Feb-2014 15:19:06

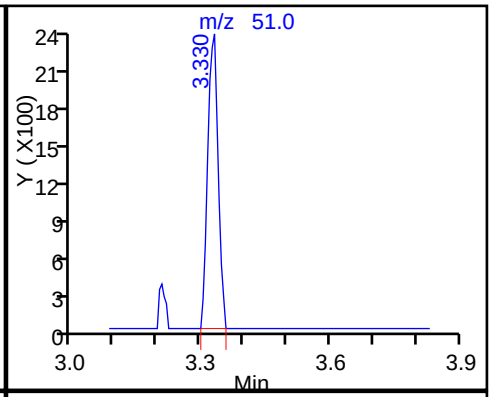
TestAmerica Burlington

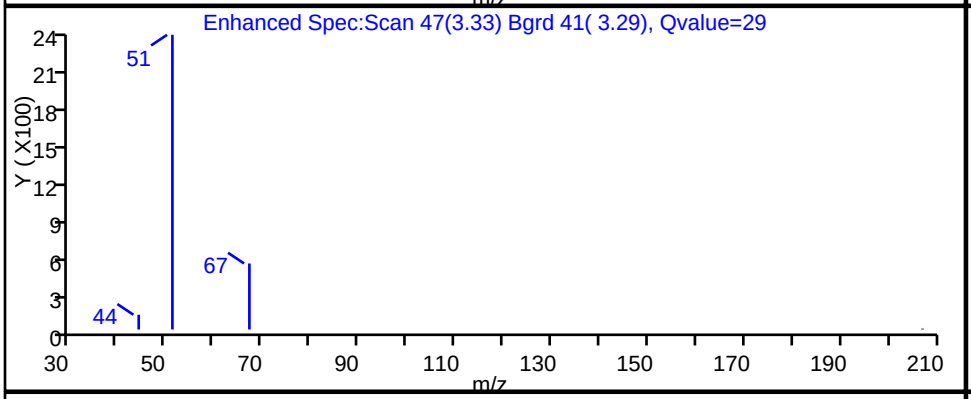
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_15.D

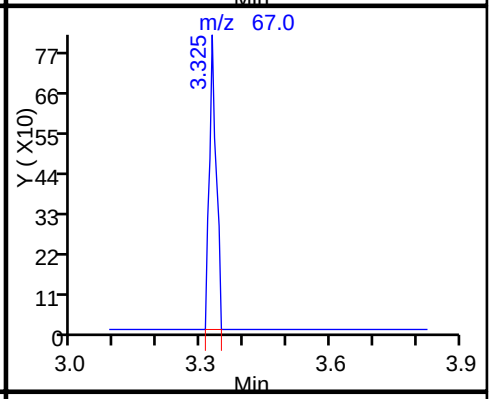
Injection Date:	26-Feb-2014 23:37:30	Instrument ID:	CHC.i		
Lims ID:	200-20955-A-23	Lab Sample ID:	200-20955-23		
Client ID:	IA-VMP-5A				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	38.3000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

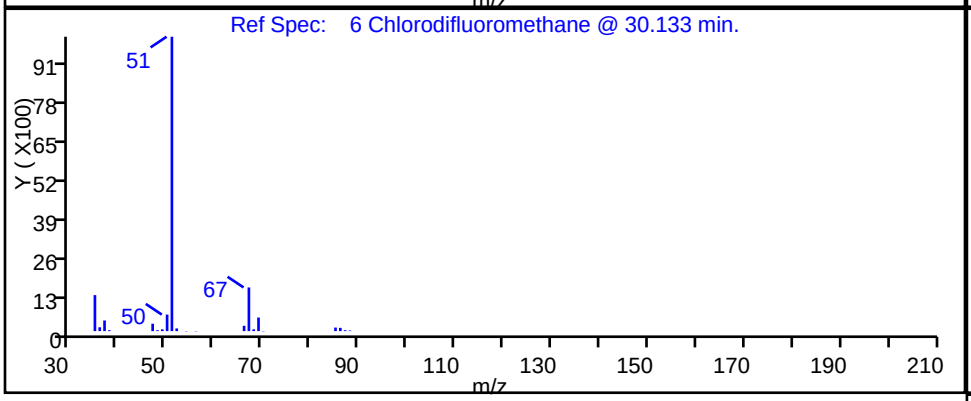
6 Chlorodifluoromethane, CAS: 75-45-6

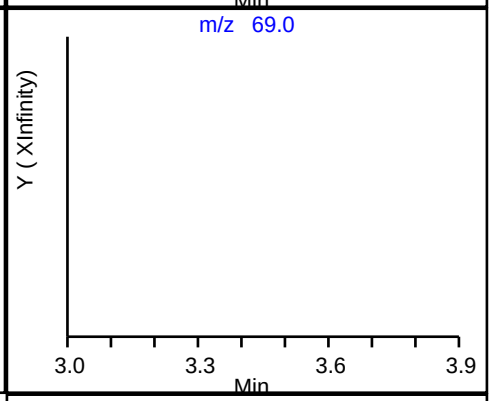


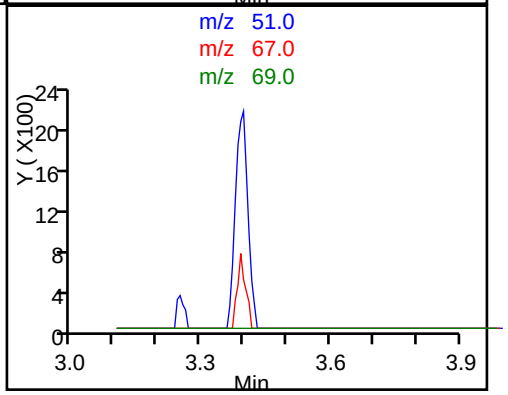












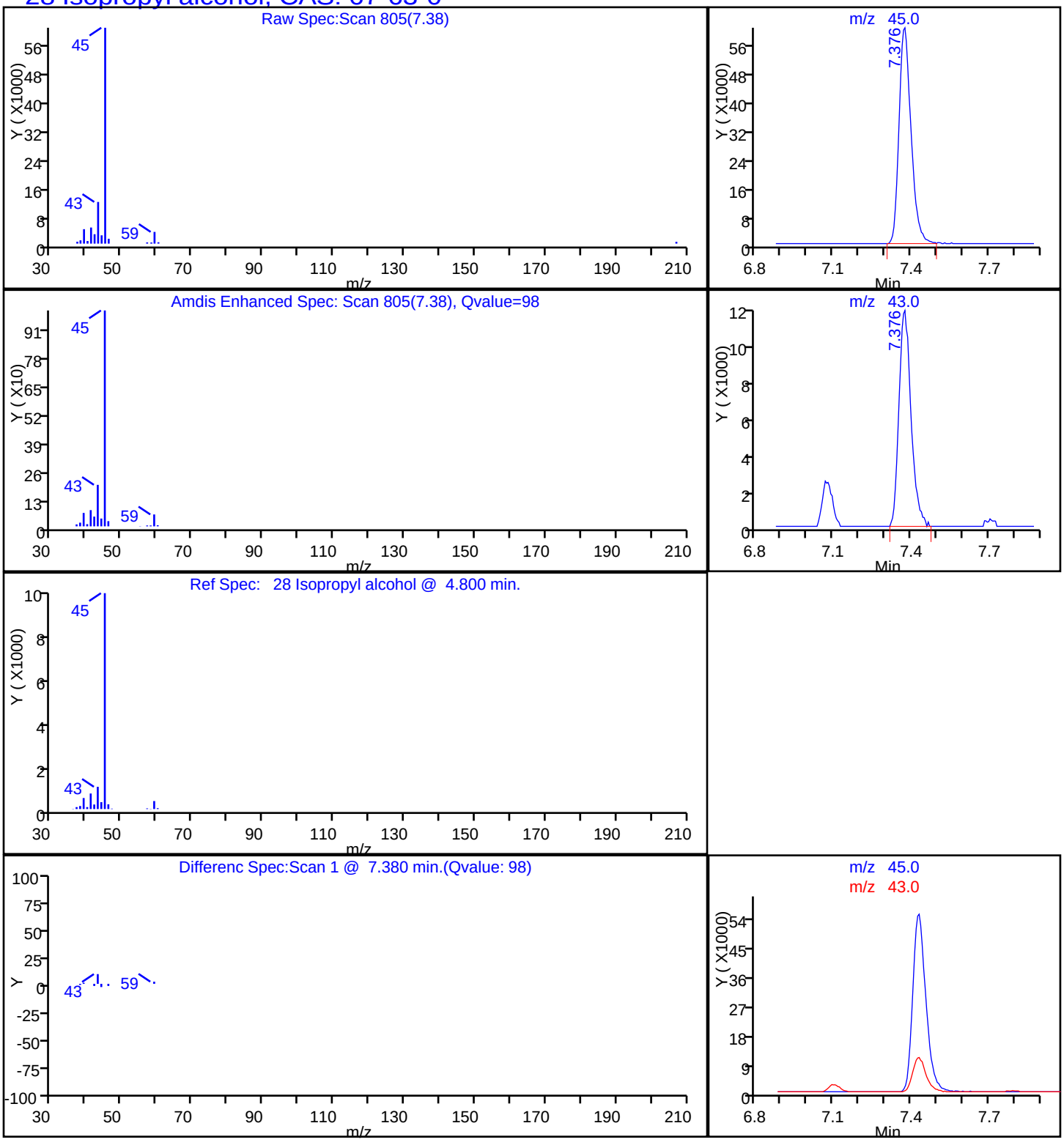
Report Date: 27-Feb-2014 10:22:52 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_15.D

Injection Date:	26-Feb-2014 23:37:30	Instrument ID:	CHC.i		
Lims ID:	200-20955-A-23	Lab Sample ID:	200-20955-23		
Client ID:	IA-VMP-5A				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	38.3000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 Isopropyl alcohol, CAS: 67-63-0



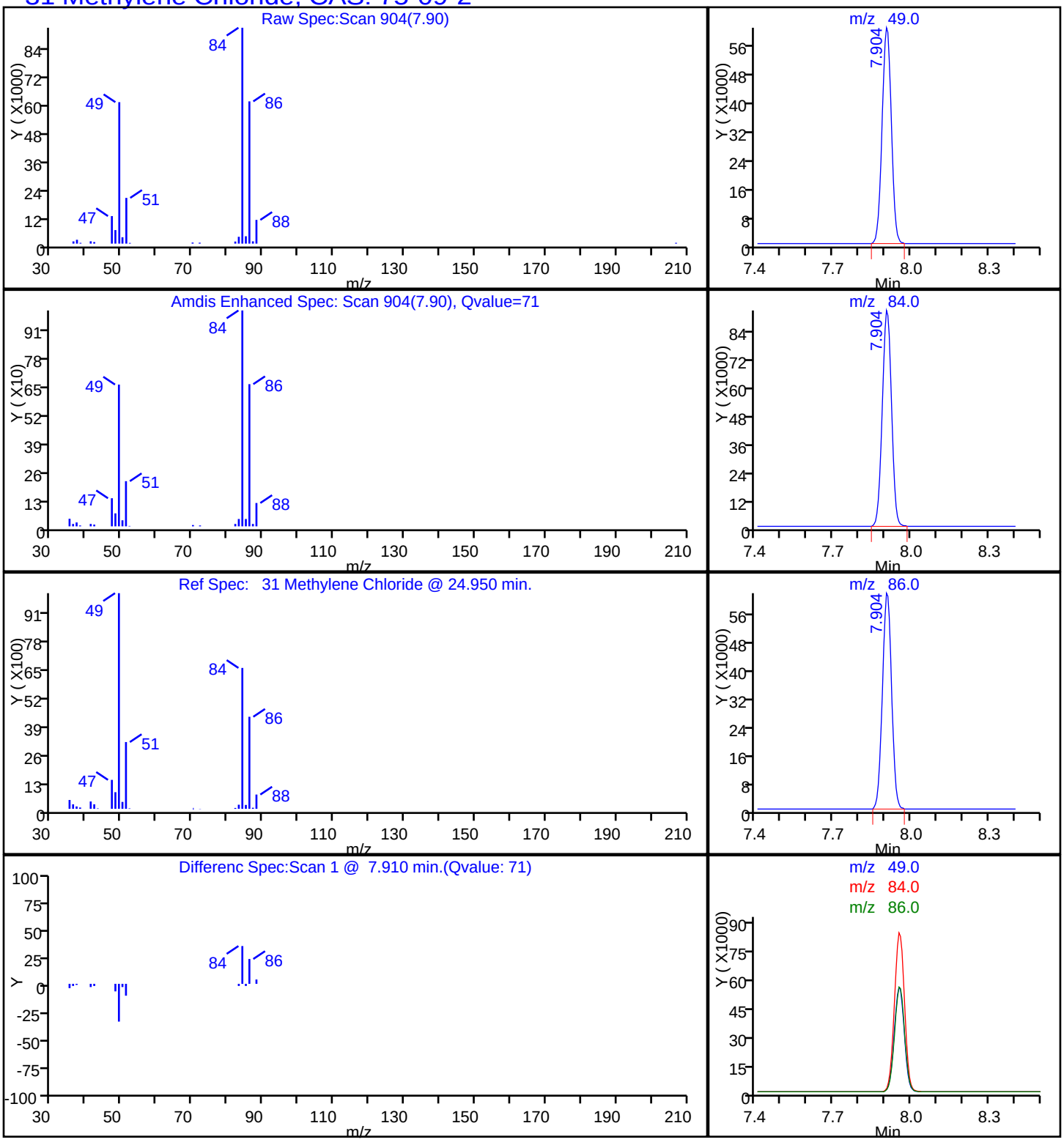
Report Date: 27-Feb-2014 10:22:52 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_15.D

Injection Date:	26-Feb-2014 23:37:30	Instrument ID:	CHC.i		
Lims ID:	200-20955-A-23	Lab Sample ID:	200-20955-23		
Client ID:	IA-VMP-5A				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	38.3000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



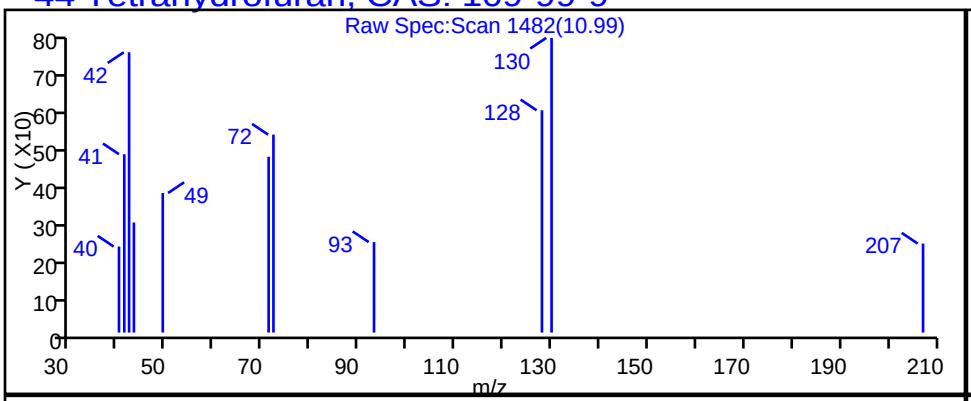
Report Date: 27-Feb-2014 10:22:52 Chrom Revision: 2.2 06-Feb-2014 15:19:06

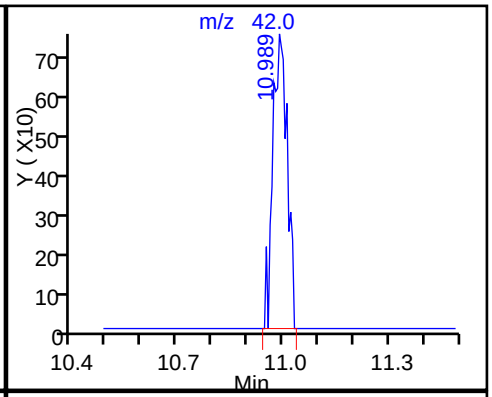
TestAmerica Burlington

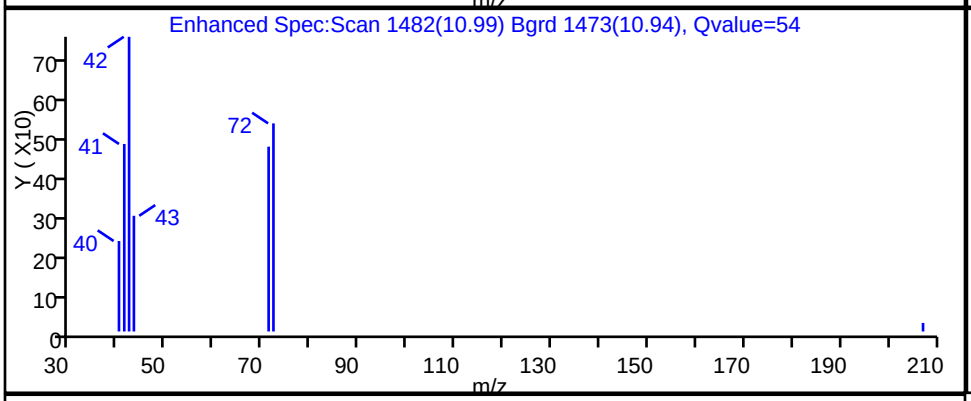
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_15.D

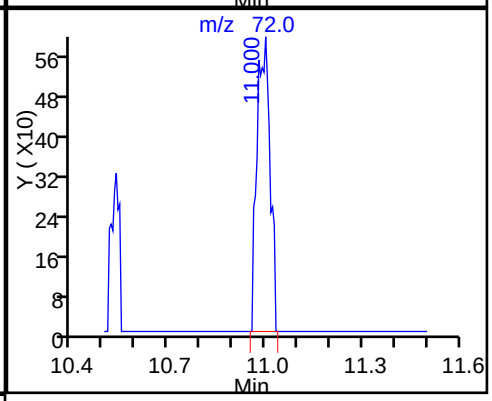
Injection Date:	26-Feb-2014 23:37:30	Instrument ID:	CHC.i		
Lims ID:	200-20955-A-23	Lab Sample ID:	200-20955-23		
Client ID:	IA-VMP-5A				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	38.3000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

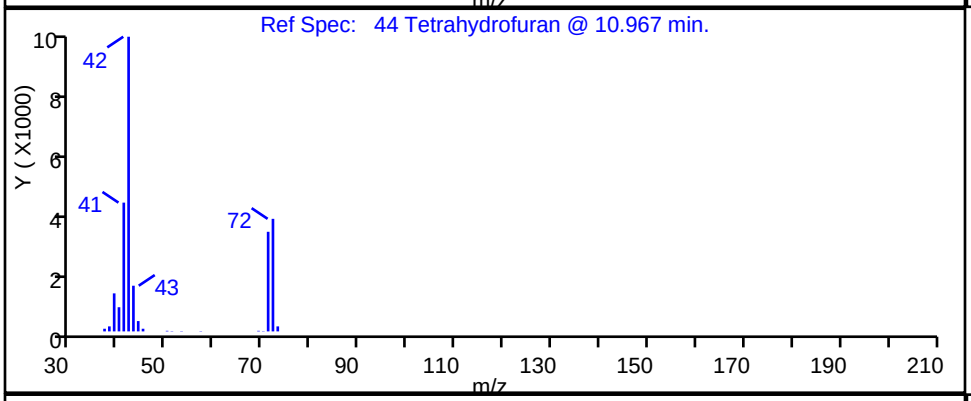
44 Tetrahydrofuran, CAS: 109-99-9

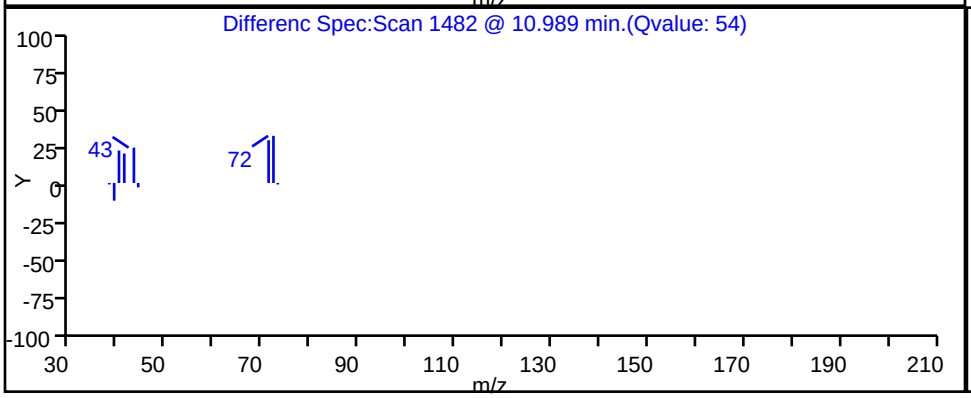


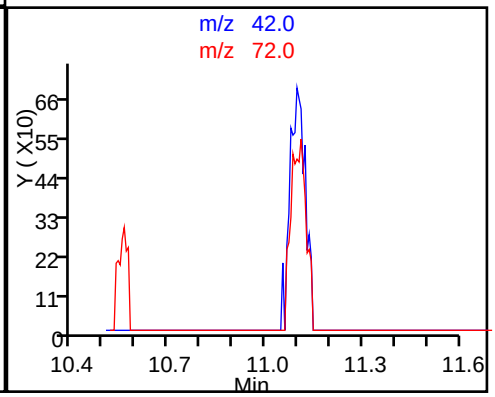












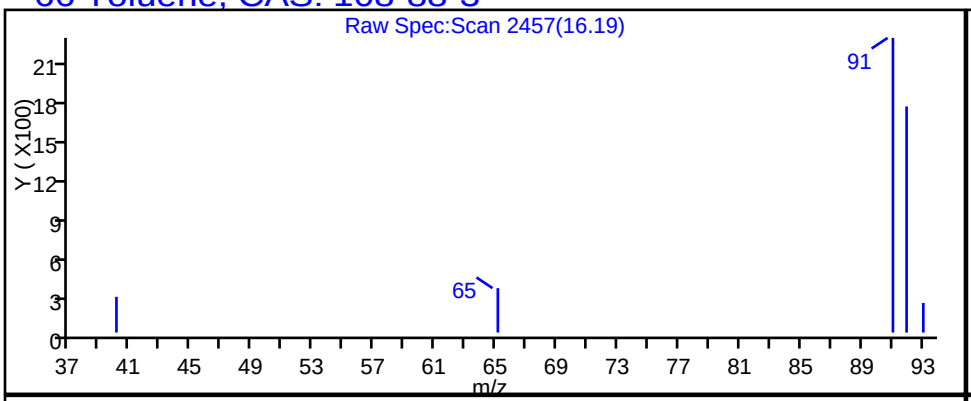
Report Date: 27-Feb-2014 10:22:52 Chrom Revision: 2.2 06-Feb-2014 15:19:06

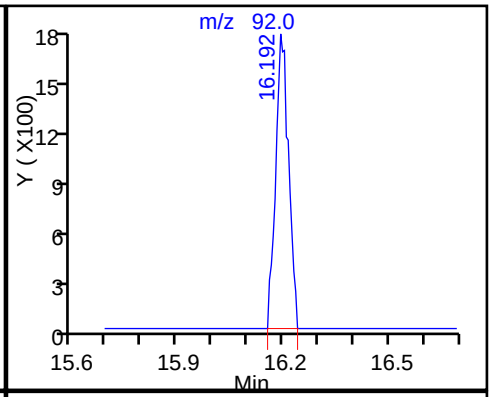
TestAmerica Burlington

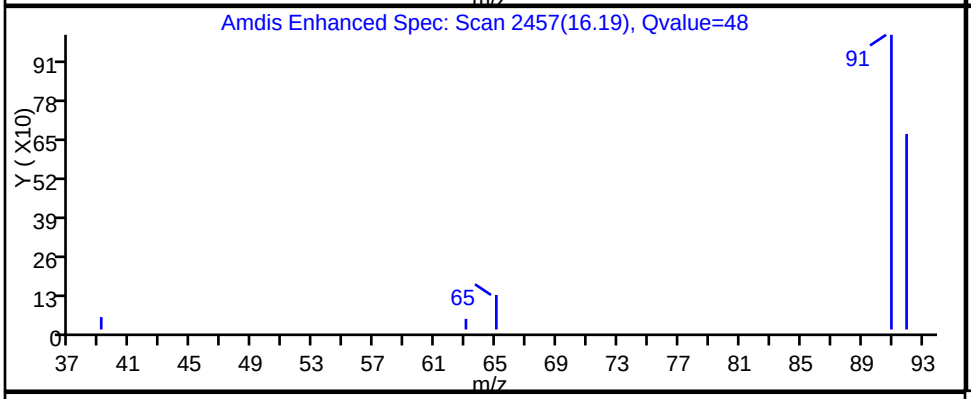
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_15.D

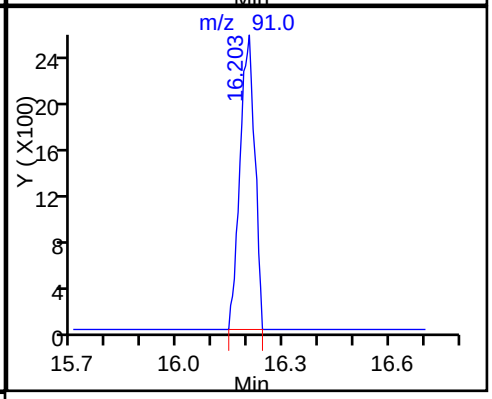
Injection Date:	26-Feb-2014 23:37:30	Instrument ID:	CHC.i		
Lims ID:	200-20955-A-23	Lab Sample ID:	200-20955-23		
Client ID:	IA-VMP-5A				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	38.3000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

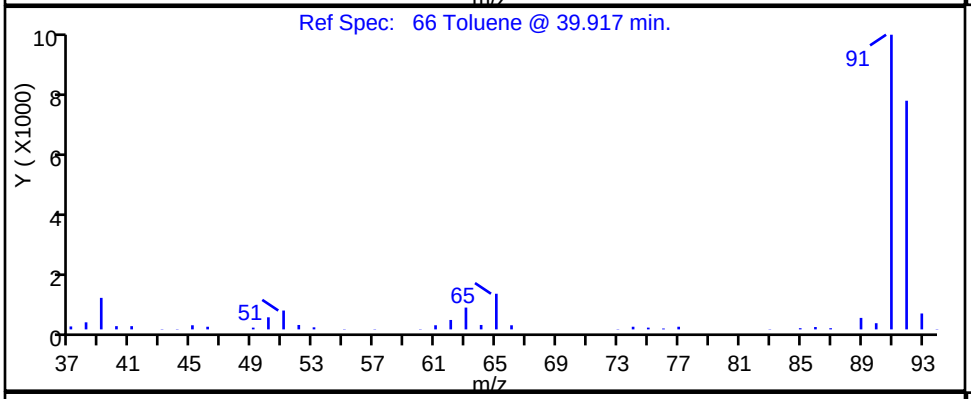
66 Toluene, CAS: 108-88-3

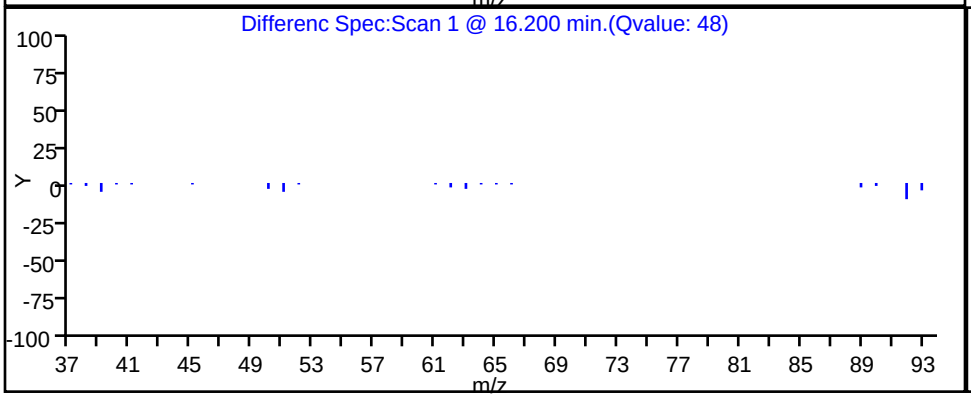


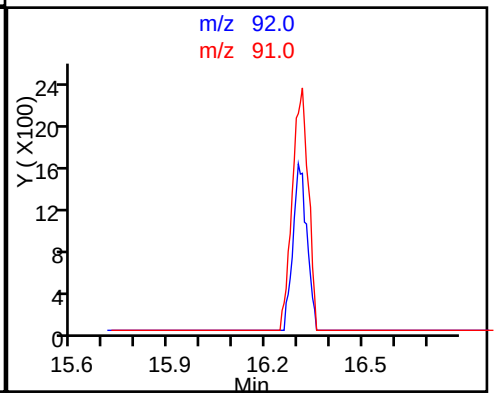












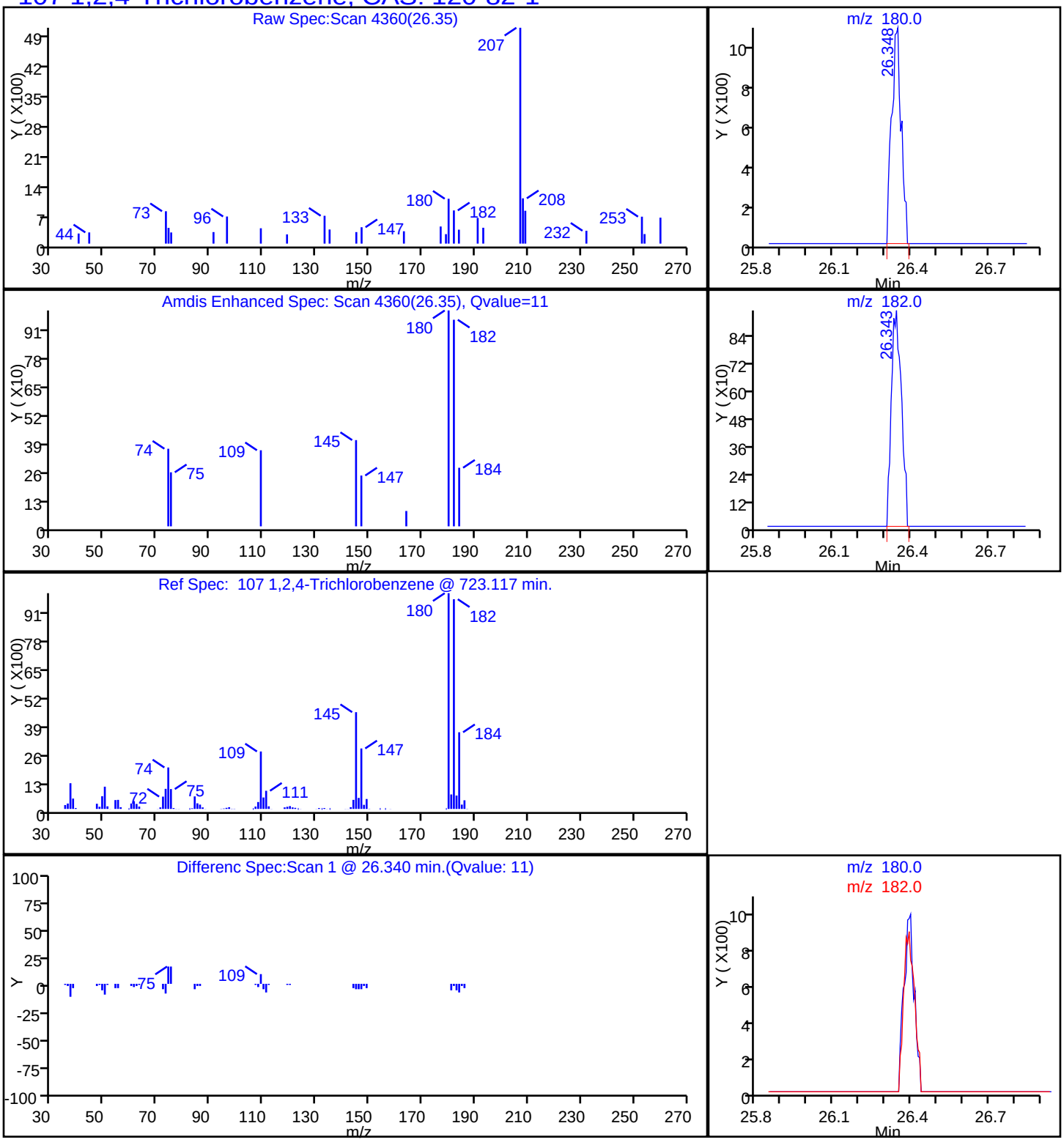
Report Date: 27-Feb-2014 10:22:52 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_15.D

Injection Date:	26-Feb-2014 23:37:30	Instrument ID:	CHC.i		
Lims ID:	200-20955-A-23	Lab Sample ID:	200-20955-23		
Client ID:	IA-VMP-5A				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	38.3000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

107 1,2,4-Trichlorobenzene, CAS: 120-82-1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-7A Lab Sample ID: 200-20955-26

Matrix: Air Lab File ID: 6282_025.d

Analysis Method: TO-15 Date Collected: 02/12/2014 18:15

Sample wt/vol: 20(mL) Date Analyzed: 02/25/2014 07:37

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	5.0	U	5.0	0.30
75-45-6	Freon 22	86.47	5.0	U	5.0	0.48
76-14-2	Freon-114	170.92	2.0	U	2.0	0.35
74-87-3	Chloromethane	50.49	5.0	U	5.0	1.4
106-97-8	n-Butane	58.12	5.0	U	5.0	2.8
75-01-4	Vinyl chloride	62.50	0.40	U	0.40	0.38
106-99-0	1,3-Butadiene	54.09	2.0	U	2.0	0.42
74-83-9	Bromomethane	94.94	2.0	U	2.0	0.28
75-00-3	Chloroethane	64.52	5.0	U	5.0	0.30
593-60-2	Vinyl bromide	106.96	2.0	U	2.0	0.30
75-69-4	Freon 11	137.37	2.0	U	2.0	0.30
76-13-1	Freon 113	187.38	2.0	U	2.0	0.18
75-35-4	1,1-Dichloroethene	96.94	2.0	U	2.0	0.24
67-64-1	Acetone	58.08	50	U	50	13
67-63-0	Isopropyl alcohol	60.10	230		50	2.2
75-15-0	Carbon disulfide	76.14	5.0	U	5.0	0.66
107-05-1	Allyl chloride	76.53	5.0	U	5.0	0.34
75-09-2	Methylene Chloride	84.93	190		5.0	1.3
75-65-0	tert-Butyl alcohol	74.12	50	U	50	3.3
1634-04-4	Methyl tert-butyl ether	88.15	2.0	U	2.0	0.22
156-60-5	trans-1,2-Dichloroethene	96.94	2.0	U	2.0	0.29
110-54-3	Hexane	86.17	2.0	U	2.0	0.34
75-34-3	1,1-Dichloroethane	98.96	2.0	U	2.0	0.38
78-93-3	Methyl Ethyl Ketone	72.11	5.0	U	5.0	2.4
156-59-2	cis-1,2-Dichloroethene	96.94	2.0	U	2.0	0.38
540-59-0	1,2-Dichloroethene, Total	96.94	2.0	U	2.0	0.64
67-66-3	Chloroform	119.38	2.0	U	2.0	0.25
109-99-9	Tetrahydrofuran	72.11	11	J	50	0.46
71-55-6	1,1,1-Trichloroethane	133.41	2.0	U	2.0	0.21
110-82-7	Cyclohexane	84.16	1.6	J	2.0	0.25
56-23-5	Carbon tetrachloride	153.81	0.40	U	0.40	0.21
540-84-1	2,2,4-Trimethylpentane	114.23	2.0	U	2.0	0.27
71-43-2	Benzene	78.11	2.0	U	2.0	0.19
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	0.17
142-82-5	Heptane	100.21	2.0	U	2.0	0.46

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-7A Lab Sample ID: 200-20955-26

Matrix: Air Lab File ID: 6282_025.d

Analysis Method: TO-15 Date Collected: 02/12/2014 18:15

Sample wt/vol: 20(mL) Date Analyzed: 02/25/2014 07:37

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.40	U	0.40	0.24
80-62-6	Methyl methacrylate	100.12	5.0	U	5.0	0.30
78-87-5	1,2-Dichloropropane	112.99	2.0	U	2.0	0.32
123-91-1	1,4-Dioxane	88.11	50	U	50	2.0
75-27-4	Bromodichloromethane	163.83	2.0	U	2.0	0.17
10061-01-5	cis-1,3-Dichloropropene	110.97	2.0	U	2.0	0.28
108-10-1	methyl isobutyl ketone	100.16	5.0	U	5.0	0.27
108-88-3	Toluene	92.14	2.0	U	2.0	0.17
10061-02-6	trans-1,3-Dichloropropene	110.97	2.0	U	2.0	0.22
79-00-5	1,1,2-Trichloroethane	133.41	2.0	U	2.0	0.17
127-18-4	Tetrachloroethene	165.83	2.0	U	2.0	0.16
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.0	U	5.0	2.0
124-48-1	Dibromochloromethane	208.29	2.0	U	2.0	0.20
106-93-4	1,2-Dibromoethane	187.87	2.0	U	2.0	0.20
108-90-7	Chlorobenzene	112.56	2.0	U	2.0	0.081
100-41-4	Ethylbenzene	106.17	2.0	U	2.0	0.13
179601-23-1	m,p-Xylene	106.17	5.0	U	5.0	0.23
95-47-6	Xylene, o-	106.17	2.0	U	2.0	0.16
1330-20-7	Xylene (total)	106.17	2.0	U	2.0	0.34
100-42-5	Styrene	104.15	2.0	U	2.0	0.18
75-25-2	Bromoform	252.75	2.0	U	2.0	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.0	U	2.0	0.16
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.80
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.18
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	0.12
95-49-8	2-Chlorotoluene	126.59	2.0	U	2.0	0.13
98-06-6	tert-Butylbenzene	134.22	2.0	U	2.0	0.17
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0	U	2.0	0.14
135-98-8	sec-Butylbenzene	134.22	2.0	U	2.0	0.80
99-87-6	4-Isopropyltoluene	134.22	2.0	U	2.0	0.80
541-73-1	1,3-Dichlorobenzene	147.00	2.0	U	2.0	0.14
106-46-7	1,4-Dichlorobenzene	147.00	2.0	U	2.0	0.14
100-44-7	Benzyl chloride	126.58	2.0	U	2.0	0.80
104-51-8	n-Butylbenzene	134.22	2.0	U	2.0	0.80

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-7A Lab Sample ID: 200-20955-26

Matrix: Air Lab File ID: 6282_025.d

Analysis Method: TO-15 Date Collected: 02/12/2014 18:15

Sample wt/vol: 20(mL) Date Analyzed: 02/25/2014 07:37

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	2.0	U	2.0	0.14
120-82-1	1,2,4-Trichlorobenzene	181.45	5.0	U	5.0	0.27
87-68-3	Hexachloro-1,3-butadiene	260.76	2.0	U	2.0	0.22
91-20-3	Naphthalene	128.17	5.0	U	5.0	2.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-7A Lab Sample ID: 200-20955-26

Matrix: Air Lab File ID: 6282_025.d

Analysis Method: TO-15 Date Collected: 02/12/2014 18:15

Sample wt/vol: 20(mL) Date Analyzed: 02/25/2014 07:37

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	25	U	25	1.5
75-45-6	Freon 22	86.47	18	U	18	1.7
76-14-2	Freon-114	170.92	14	U	14	2.4
74-87-3	Chloromethane	50.49	10	U	10	2.8
106-97-8	n-Butane	58.12	12	U	12	6.7
75-01-4	Vinyl chloride	62.50	1.0	U	1.0	0.97
106-99-0	1,3-Butadiene	54.09	4.4	U	4.4	0.93
74-83-9	Bromomethane	94.94	7.8	U	7.8	1.1
75-00-3	Chloroethane	64.52	13	U	13	0.79
593-60-2	Vinyl bromide	106.96	8.7	U	8.7	1.3
75-69-4	Freon 11	137.37	11	U	11	1.7
76-13-1	Freon 113	187.38	15	U	15	1.4
75-35-4	1,1-Dichloroethene	96.94	7.9	U	7.9	0.95
67-64-1	Acetone	58.08	120	U	120	30
67-63-0	Isopropyl alcohol	60.10	560		120	5.3
75-15-0	Carbon disulfide	76.14	16	U	16	2.1
107-05-1	Allyl chloride	76.53	16	U	16	1.1
75-09-2	Methylene Chloride	84.93	640		17	4.3
75-65-0	tert-Butyl alcohol	74.12	150	U	150	9.9
1634-04-4	Methyl tert-butyl ether	88.15	7.2	U	7.2	0.79
156-60-5	trans-1,2-Dichloroethene	96.94	7.9	U	7.9	1.1
110-54-3	Hexane	86.17	7.0	U	7.0	1.2
75-34-3	1,1-Dichloroethane	98.96	8.1	U	8.1	1.5
78-93-3	Methyl Ethyl Ketone	72.11	15	U	15	7.1
156-59-2	cis-1,2-Dichloroethene	96.94	7.9	U	7.9	1.5
540-59-0	1,2-Dichloroethene, Total	96.94	7.9	U	7.9	2.5
67-66-3	Chloroform	119.38	9.8	U	9.8	1.2
109-99-9	Tetrahydrofuran	72.11	33	J	150	1.4
71-55-6	1,1,1-Trichloroethane	133.41	11	U	11	1.1
110-82-7	Cyclohexane	84.16	5.5	J	6.9	0.86
56-23-5	Carbon tetrachloride	153.81	2.5	U	2.5	1.3
540-84-1	2,2,4-Trimethylpentane	114.23	9.3	U	9.3	1.3
71-43-2	Benzene	78.11	6.4	U	6.4	0.61
107-06-2	1,2-Dichloroethane	98.96	8.1	U	8.1	0.69
142-82-5	Heptane	100.21	8.2	U	8.2	1.9

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-7A Lab Sample ID: 200-20955-26

Matrix: Air Lab File ID: 6282_025.d

Analysis Method: TO-15 Date Collected: 02/12/2014 18:15

Sample wt/vol: 20(mL) Date Analyzed: 02/25/2014 07:37

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.1	U	2.1	1.3
80-62-6	Methyl methacrylate	100.12	20	U	20	1.2
78-87-5	1,2-Dichloropropane	112.99	9.2	U	9.2	1.5
123-91-1	1,4-Dioxane	88.11	180	U	180	7.2
75-27-4	Bromodichloromethane	163.83	13	U	13	1.1
10061-01-5	cis-1,3-Dichloropropene	110.97	9.1	U	9.1	1.3
108-10-1	methyl isobutyl ketone	100.16	20	U	20	1.1
108-88-3	Toluene	92.14	7.5	U	7.5	0.64
10061-02-6	trans-1,3-Dichloropropene	110.97	9.1	U	9.1	1.0
79-00-5	1,1,2-Trichloroethane	133.41	11	U	11	0.93
127-18-4	Tetrachloroethene	165.83	14	U	14	1.1
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	20	U	20	8.2
124-48-1	Dibromochloromethane	208.29	17	U	17	1.7
106-93-4	1,2-Dibromoethane	187.87	15	U	15	1.5
108-90-7	Chlorobenzene	112.56	9.2	U	9.2	0.37
100-41-4	Ethylbenzene	106.17	8.7	U	8.7	0.56
179601-23-1	m,p-Xylene	106.17	22	U	22	1.0
95-47-6	Xylene, o-	106.17	8.7	U	8.7	0.69
1330-20-7	Xylene (total)	106.17	8.7	U	8.7	1.5
100-42-5	Styrene	104.15	8.5	U	8.5	0.77
75-25-2	Bromoform	252.75	21	U	21	1.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	14	U	14	1.1
103-65-1	n-Propylbenzene	120.19	9.8	U	9.8	3.9
622-96-8	4-Ethyltoluene	120.20	9.8	U	9.8	0.88
108-67-8	1,3,5-Trimethylbenzene	120.20	9.8	U	9.8	0.59
95-49-8	2-Chlorotoluene	126.59	10	U	10	0.67
98-06-6	tert-Butylbenzene	134.22	11	U	11	0.93
95-63-6	1,2,4-Trimethylbenzene	120.20	9.8	U	9.8	0.69
135-98-8	sec-Butylbenzene	134.22	11	U	11	4.4
99-87-6	4-Isopropyltoluene	134.22	11	U	11	4.4
541-73-1	1,3-Dichlorobenzene	147.00	12	U	12	0.84
106-46-7	1,4-Dichlorobenzene	147.00	12	U	12	0.84
100-44-7	Benzyl chloride	126.58	10	U	10	4.1
104-51-8	n-Butylbenzene	134.22	11	U	11	4.4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-7A Lab Sample ID: 200-20955-26

Matrix: Air Lab File ID: 6282_025.d

Analysis Method: TO-15 Date Collected: 02/12/2014 18:15

Sample wt/vol: 20(mL) Date Analyzed: 02/25/2014 07:37

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	12	U	12	0.84
120-82-1	1,2,4-Trichlorobenzene	181.45	37	U	37	2.0
87-68-3	Hexachloro-1,3-butadiene	260.76	21	U	21	2.3
91-20-3	Naphthalene	128.17	26	U	26	10

Report Date: 25-Feb-2014 10:51:19 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_025.d
Lims ID: 200-20955-A-26 Lab Sample ID: 200-20955-26
Client ID: IA-VMP-7A
Sample Type: Client
Inject. Date: 25-Feb-2014 07:37:30 ALS Bottle#: 8 Worklist Smp#: 25
Purge Vol: 200.000 mL Dil. Factor: 10.0000
Sample Info: 200-0006282-025
Misc. Info.: 200-20955-A-26@10 20ml
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 10:51:18 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 25-Feb-2014 09:48:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		4.463					
6 Chlorodifluoromethane	51		4.528					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.816					
8 Chloromethane	50		5.009					
9 Butane	43		5.276					
10 Vinyl chloride	62		5.335					
11 Butadiene	54		5.432					
12 Bromomethane	94		6.298					
14 Chloroethane	64		6.587					
16 Vinyl bromide	106		7.063					
17 Trichlorofluoromethane	101		7.181					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.433					
24 1,1-Dichloroethene	96		8.508					
25 Acetone	43		8.743					
26 Carbon disulfide	76		8.995					
27 Isopropyl alcohol	45	9.037	9.027	0.010	97	1001811	22.8	
29 3-Chloro-1-propene	41		9.401					
31 Methylene Chloride	49	9.743	9.727	0.016	80	675879	18.5	
32 2-Methyl-2-propanol	59		9.904					
33 Methyl tert-butyl ether	73		10.155					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.230					
36 Hexane	57		10.648					
37 1,1-Dichloroethane	63		11.193					
39 cis-1,2-Dichloroethene	96		12.370					
40 2-Butanone (MEK)	72		12.386					
44 Tetrahydrofuran	42	12.868	12.846	0.022	62	35692	1.13	
* 43 Chlorobromomethane	128	12.852	12.857	-0.005	69	360587	10.0	
45 Chloroform	83		12.964					
46 Cyclohexane	84	13.264	13.258	0.006	76	9720	0.1600	M
47 1,1,1-Trichloroethane	97		13.274					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	48	Carbon tetrachloride	117		13.531					
	51	Isooctane	57		13.922					
	50	Benzene	78		13.980					
	52	1,2-Dichloroethane	62		14.141					
	53	n-Heptane	43		14.269					
*	54	1,4-Difluorobenzene	114	14.745	14.745	0.0	93	1663993	10.0	
	56	Trichloroethene	95		15.206					
	58	1,2-Dichloropropane	63		15.730					
	59	Methyl methacrylate	69		15.810					
	60	1,4-Dioxane	88		15.901					
	62	Dichlorobromomethane	83		16.217					
	64	cis-1,3-Dichloropropene	75		17.083					
	65	4-Methyl-2-pentanone (MIBK)	43		17.319					
	66	Toluene	92		17.656					
	70	trans-1,3-Dichloropropene	75		18.191					
	71	1,1,2-Trichloroethane	83		18.554					
	72	Tetrachloroethene	166		18.699					
	73	2-Hexanone	43		18.945					
	74	Chlorodibromomethane	129		19.314					
	75	Ethylene Dibromide	107		19.598					
S	82	Xylenes, Total	106		20.100					
*	76	Chlorobenzene-d5	117	20.443	20.443	0.0	84	1415539	10.0	
	77	Chlorobenzene	112		20.496					
	78	Ethylbenzene	91		20.614					
	80	m-Xylene & p-Xylene	106		20.833					
	83	o-Xylene	106		21.545					
	84	Styrene	104		21.582					
	85	Bromoform	173		21.957					
$	87	4-Bromofluorobenzene	95	22.444	22.444	0.0	97	890339	NC	
	88	1,1,2,2-Tetrachloroethane	83		22.668					
	90	N-Propylbenzene	91		22.743					
	91	4-Ethyltoluene	105		22.909					
	92	2-Chlorotoluene	91		22.941					
	94	1,3,5-Trimethylbenzene	105		23.000					
	96	tert-Butylbenzene	119		23.476					
	97	1,2,4-Trimethylbenzene	105		23.567					
	98	sec-Butylbenzene	105		23.808					
	99	4-Isopropyltoluene	119		24.011					
	100	1,3-Dichlorobenzene	146		24.081					
	101	1,4-Dichlorobenzene	146		24.225					
	102	Benzyl chloride	91		24.434					
	103	n-Butylbenzene	91		24.648					
	105	1,2-Dichlorobenzene	146		24.830					
	107	1,2,4-Trichlorobenzene	180		27.729					
	108	Hexachlorobutadiene	225		27.932					
	109	Naphthalene	128		28.312					

QC Flag Legend

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

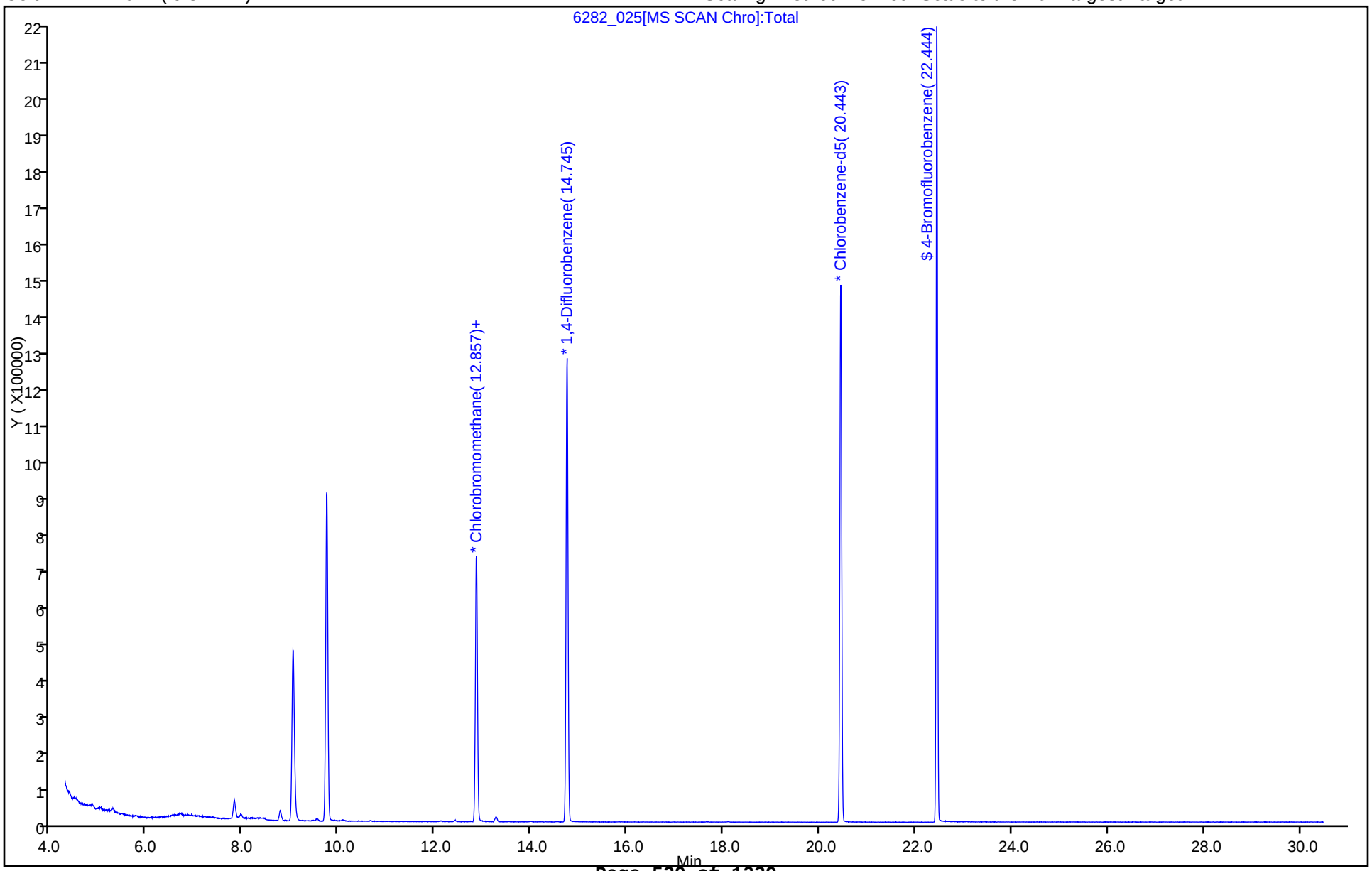
Report Date: 25-Feb-2014 10:51:19 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_025.d

Injection Date:	25-Feb-2014 07:37:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20955-A-26	Lab Sample ID:	200-20955-26	Worklist Smp#:	25
Client ID:	IA-VMP-7A				
Purge Vol:	200.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



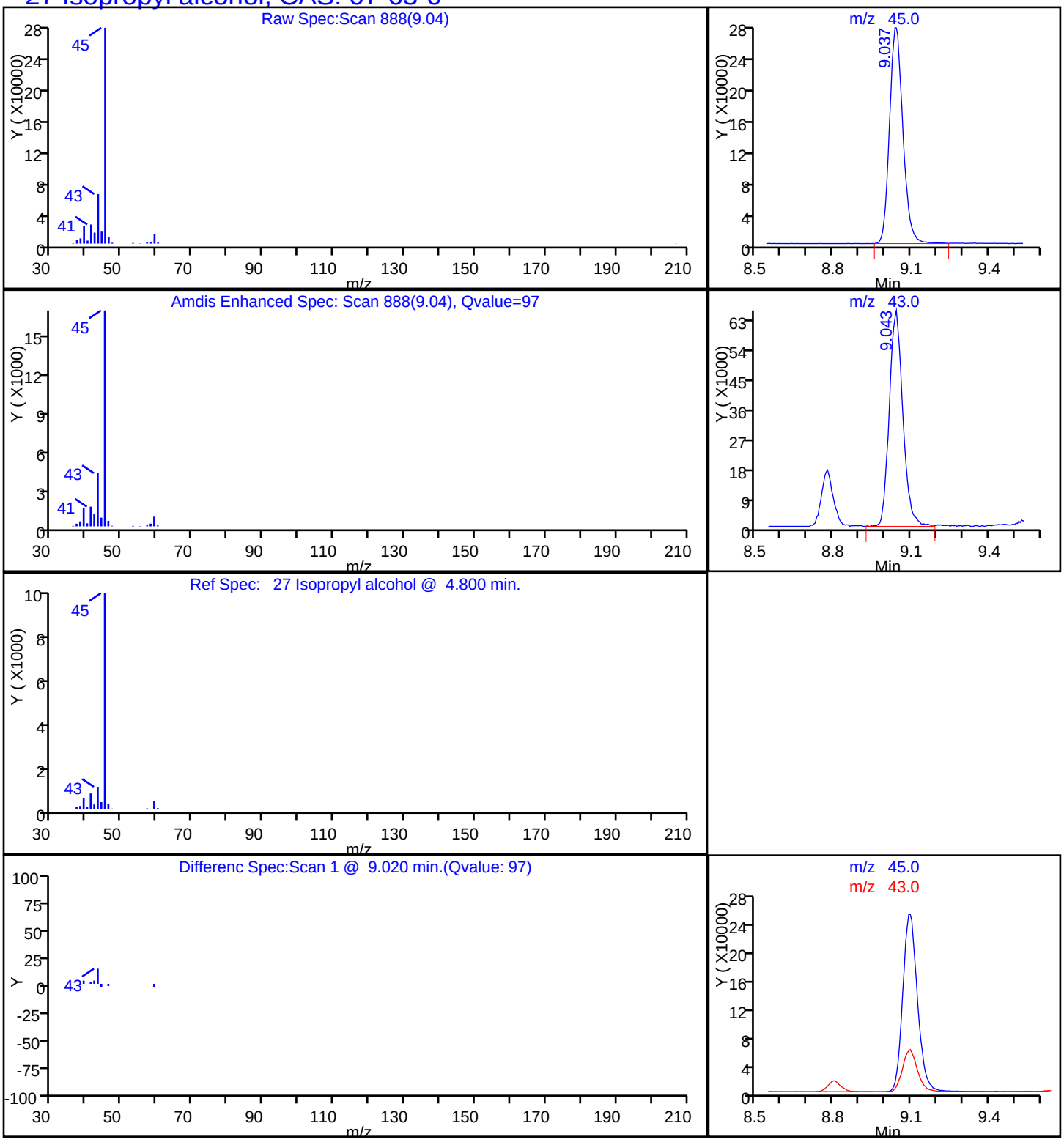
Report Date: 25-Feb-2014 10:51:19 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_025.d

Injection Date:	25-Feb-2014 07:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-26	Lab Sample ID:	200-20955-26		
Client ID:	IA-VMP-7A				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



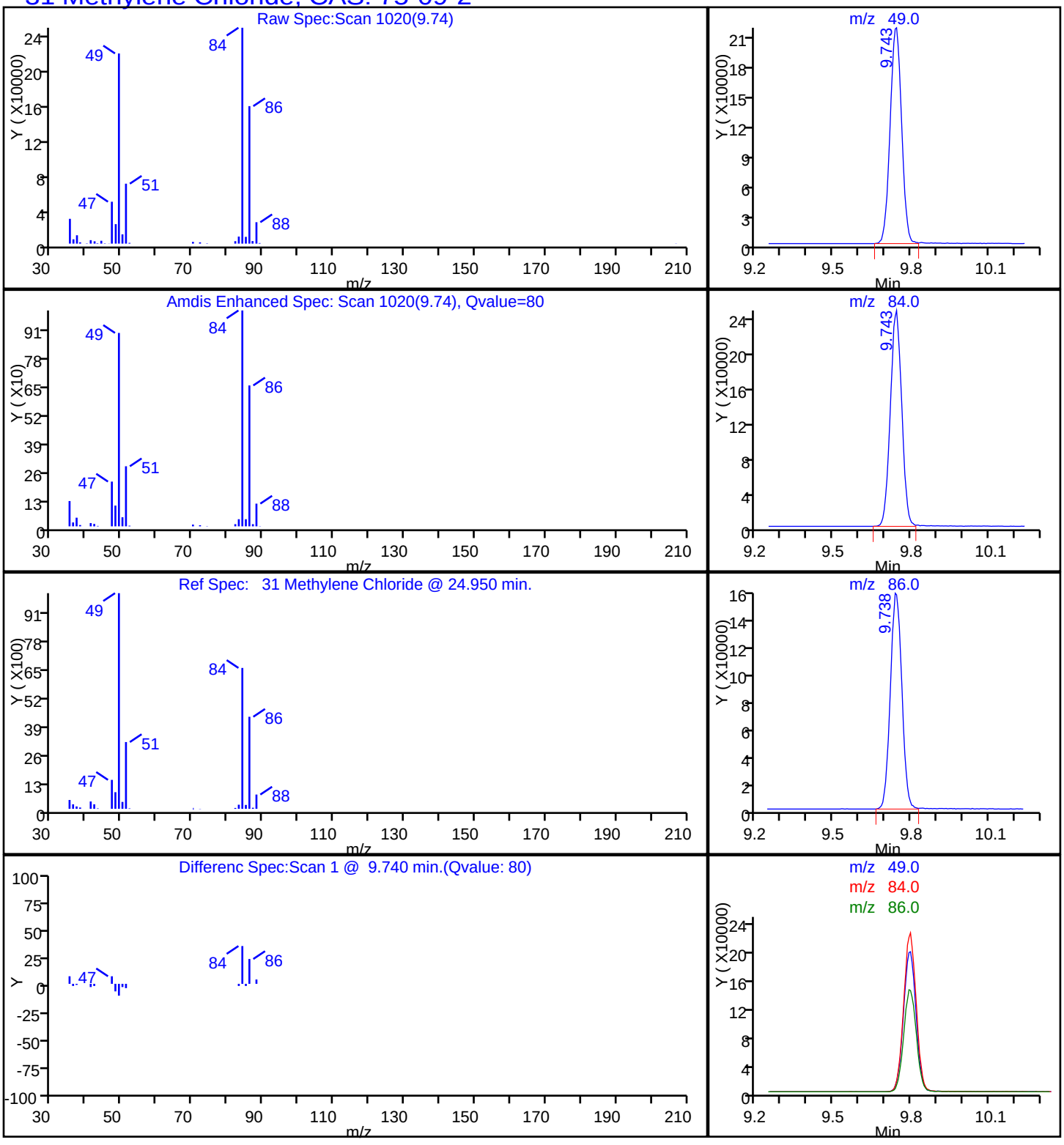
Report Date: 25-Feb-2014 10:51:19 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_025.d

Injection Date:	25-Feb-2014 07:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-26	Lab Sample ID:	200-20955-26		
Client ID:	IA-VMP-7A				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



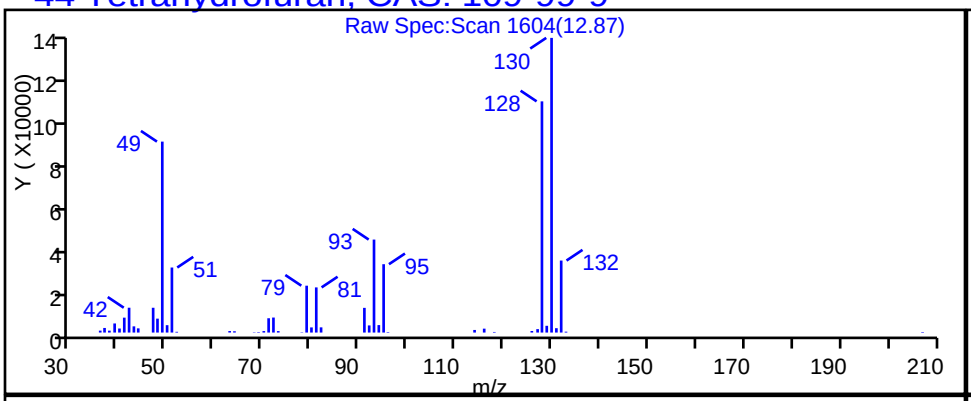
Report Date: 25-Feb-2014 10:51:19 Chrom Revision: 2.2 06-Feb-2014 15:19:06

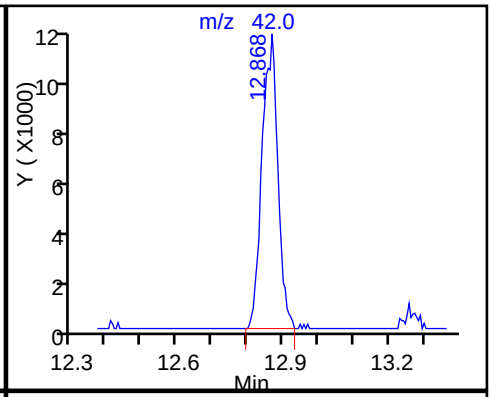
TestAmerica Burlington

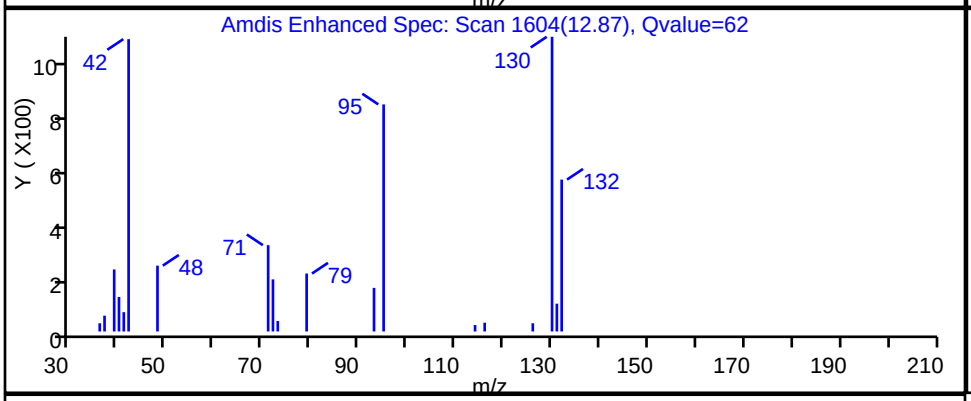
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_025.d

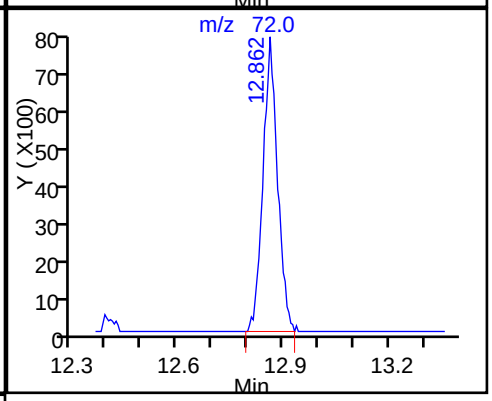
Injection Date:	25-Feb-2014 07:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-26	Lab Sample ID:	200-20955-26		
Client ID:	IA-VMP-7A				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

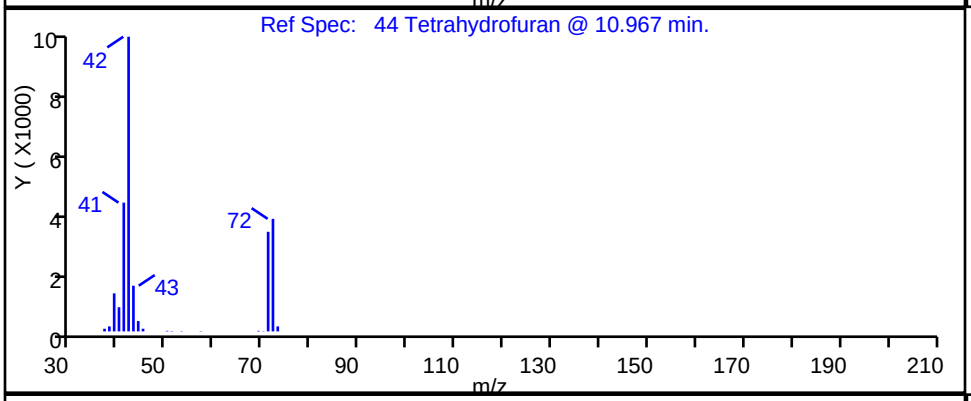
44 Tetrahydrofuran, CAS: 109-99-9

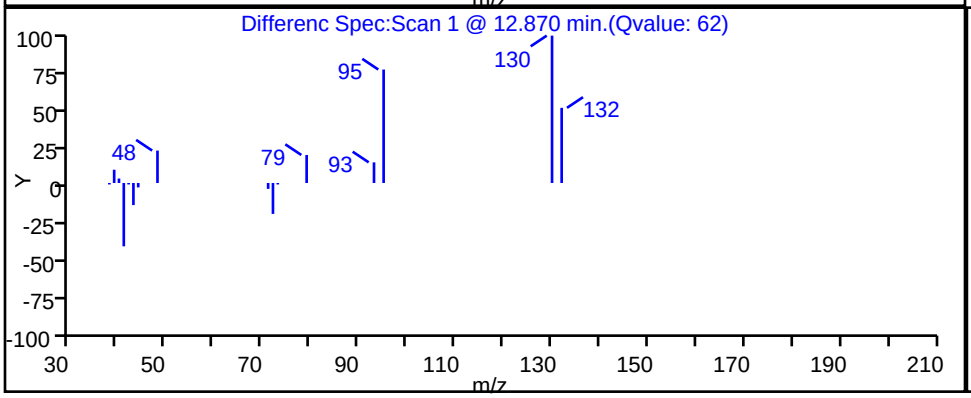


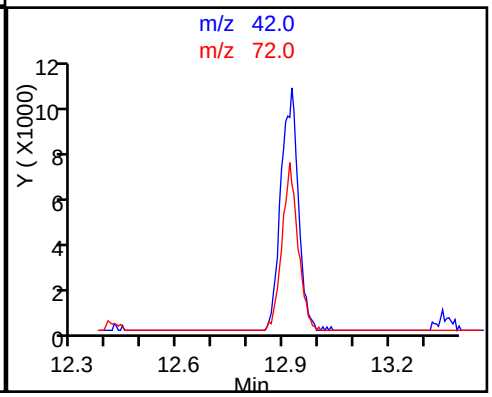












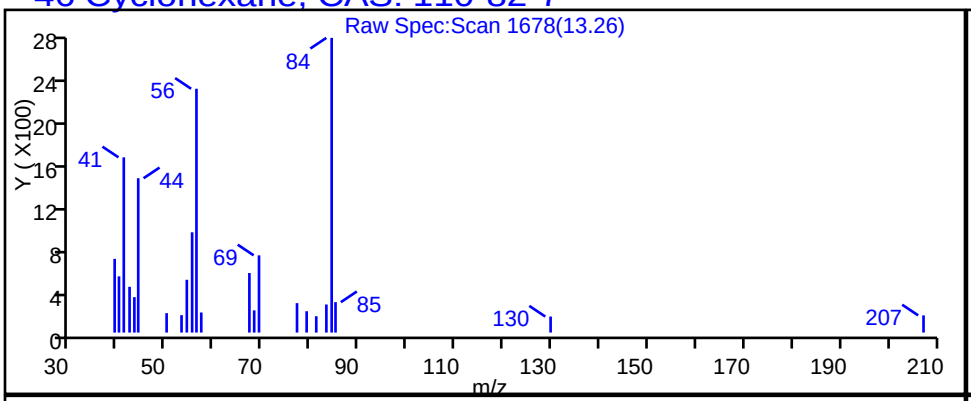
Report Date: 25-Feb-2014 10:51:19 Chrom Revision: 2.2 06-Feb-2014 15:19:06

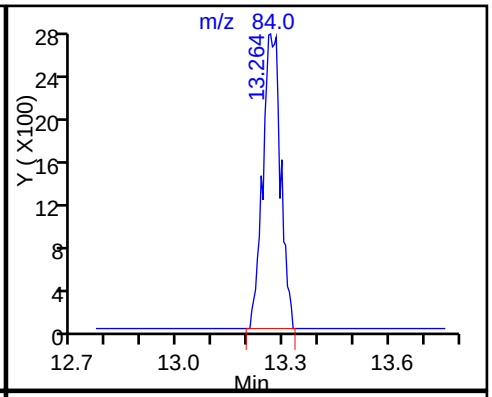
TestAmerica Burlington

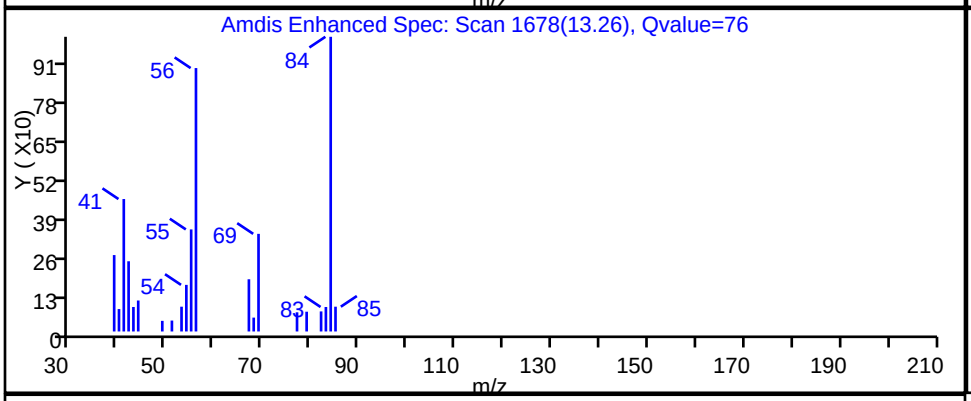
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_025.d

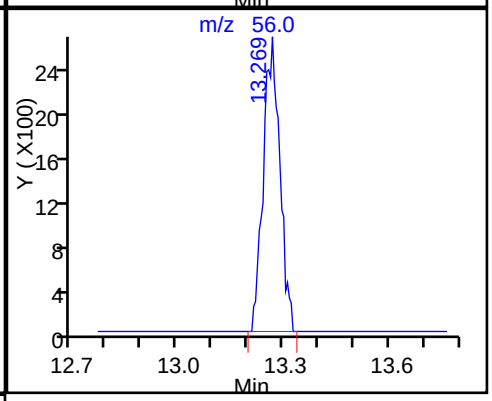
Injection Date:	25-Feb-2014 07:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-26	Lab Sample ID:	200-20955-26		
Client ID:	IA-VMP-7A				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

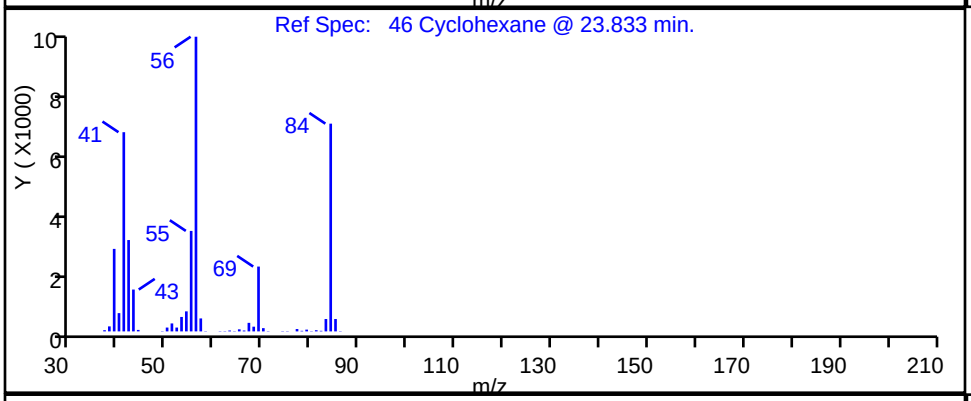
46 Cyclohexane, CAS: 110-82-7

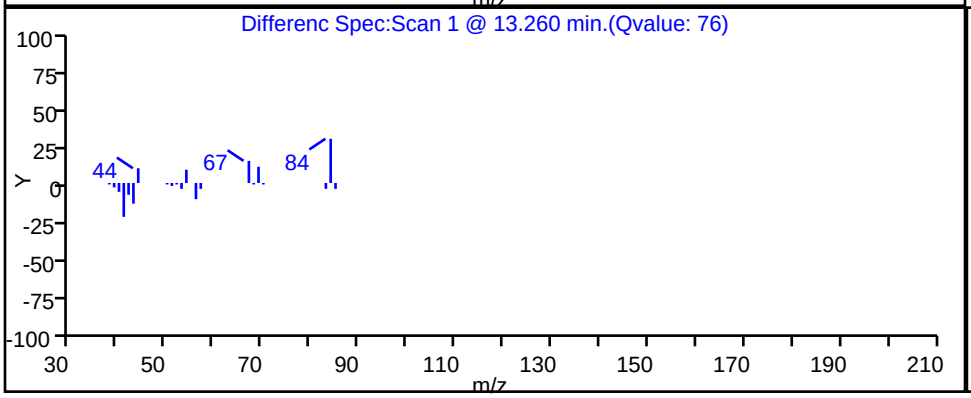


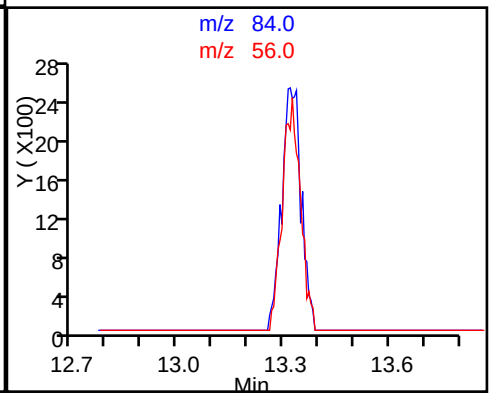












Manual Integration/User Assign Peak Report

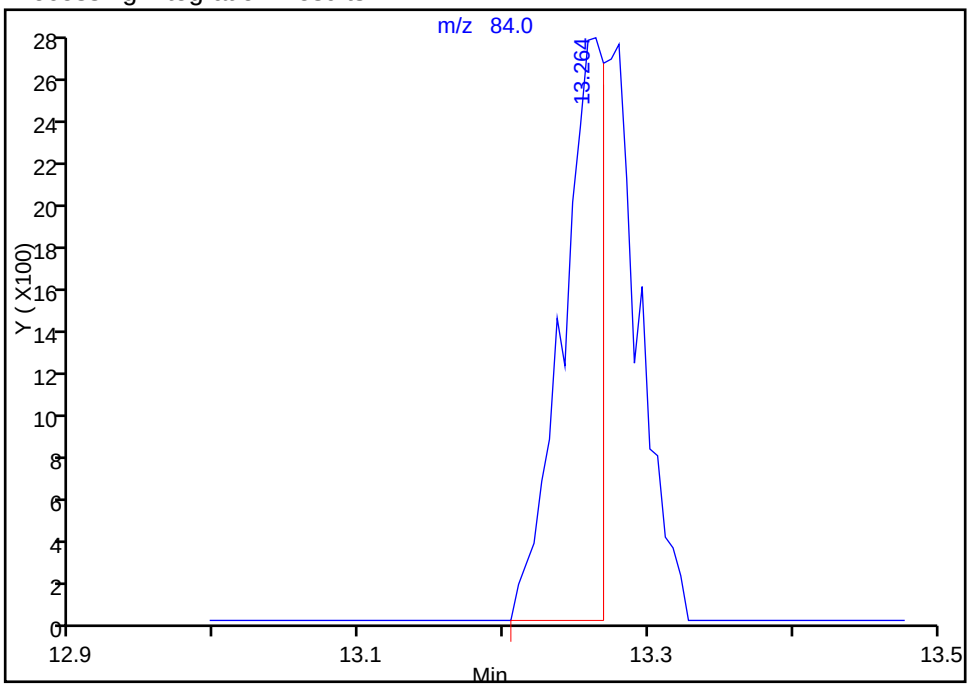
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_025.d				
Injection Date:	25-Feb-2014 07:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-26	Lab Sample ID:	200-20955-26		
Client ID:	IA-VMP-7A				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

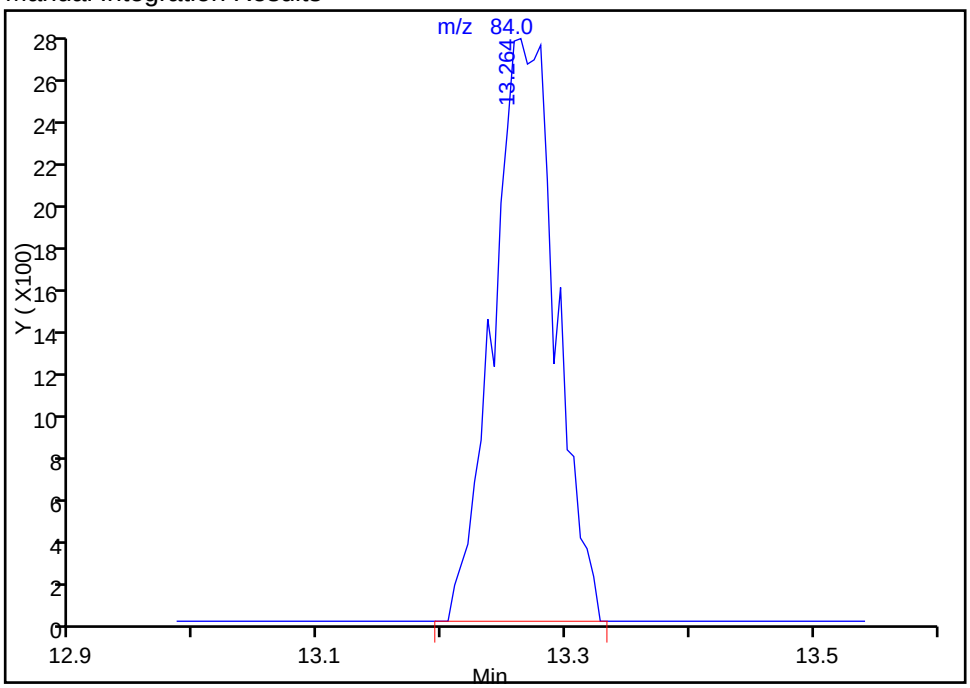
Processing Integration Results

RT: 13.26
Response: 5600
Amount: 0.092177



Manual Integration Results

RT: 13.26
Response: 9720
Amount: 0.159993



Reviewer: lyonsb, 25-Feb-2014 09:48:11
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

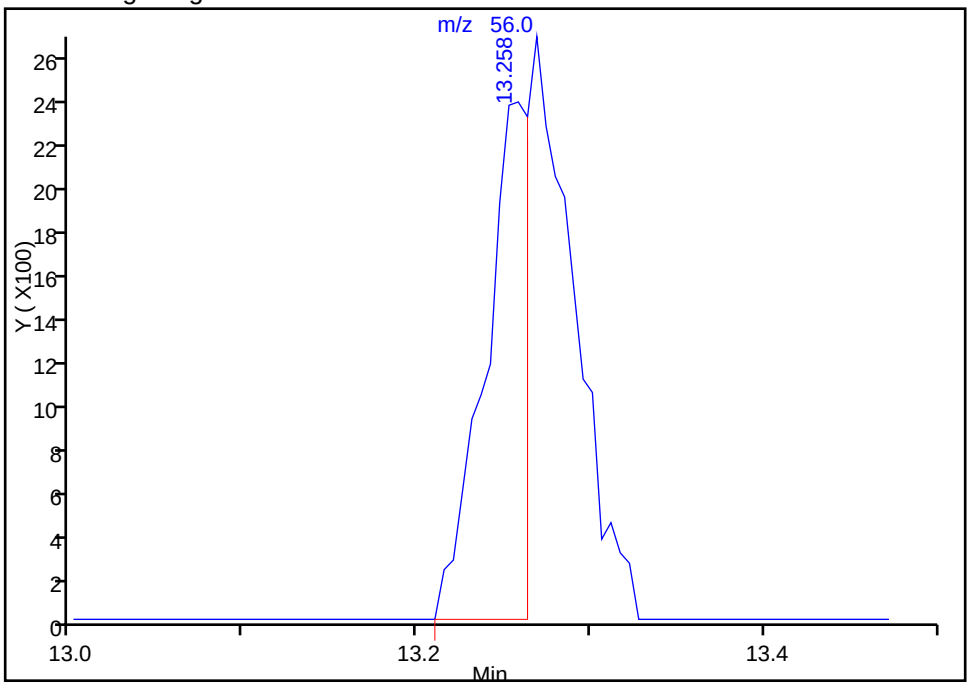
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_025.d				
Injection Date:	25-Feb-2014 07:37:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-26	Lab Sample ID:	200-20955-26		
Client ID:	IA-VMP-7A				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

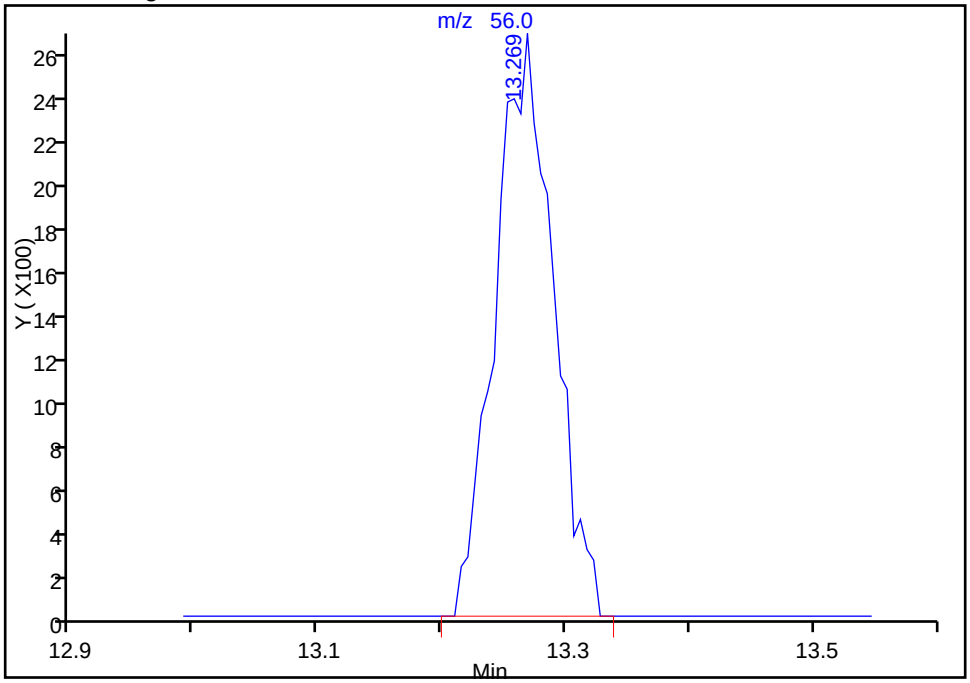
Processing Integration Results

RT: 13.26
Response: 4191
Amount: 0.092177



Manual Integration Results

RT: 13.27
Response: 8628
Amount: 0.159993



Reviewer: lyonsb, 25-Feb-2014 09:48:11
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-7 Lab Sample ID: 200-20955-27

Matrix: Air Lab File ID: 6318_010.D

Analysis Method: TO-15 Date Collected: 02/12/2014 19:07

Sample wt/vol: 20(mL) Date Analyzed: 02/25/2014 20:57

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68811 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	5.0	U	5.0	0.30
75-45-6	Freon 22	86.47	1.7	J	5.0	0.48
76-14-2	Freon-114	170.92	2.0	U	2.0	0.35
74-87-3	Chloromethane	50.49	5.0	U	5.0	1.4
106-97-8	n-Butane	58.12	5.0	U	5.0	2.8
75-01-4	Vinyl chloride	62.50	0.40	U	0.40	0.38
106-99-0	1,3-Butadiene	54.09	2.0	U	2.0	0.42
74-83-9	Bromomethane	94.94	2.0	U	2.0	0.28
75-00-3	Chloroethane	64.52	5.0	U	5.0	0.30
593-60-2	Vinyl bromide	106.96	2.0	U	2.0	0.30
75-69-4	Freon 11	137.37	2.0	U	2.0	0.30
76-13-1	Freon 113	187.38	2.0	U	2.0	0.18
75-35-4	1,1-Dichloroethene	96.94	2.0	U	2.0	0.24
67-64-1	Acetone	58.08	50	U	50	13
67-63-0	Isopropyl alcohol	60.10	130		50	2.2
75-15-0	Carbon disulfide	76.14	5.0	U	5.0	0.66
107-05-1	Allyl chloride	76.53	5.0	U	5.0	0.34
75-09-2	Methylene Chloride	84.93	100		5.0	1.3
75-65-0	tert-Butyl alcohol	74.12	50	U	50	3.3
1634-04-4	Methyl tert-butyl ether	88.15	2.0	U	2.0	0.22
156-60-5	trans-1,2-Dichloroethene	96.94	2.0	U	2.0	0.29
110-54-3	Hexane	86.17	2.0	U	2.0	0.34
75-34-3	1,1-Dichloroethane	98.96	2.0	U	2.0	0.38
78-93-3	Methyl Ethyl Ketone	72.11	5.0	U	5.0	2.4
156-59-2	cis-1,2-Dichloroethene	96.94	2.0	U	2.0	0.38
540-59-0	1,2-Dichloroethene, Total	96.94	2.0	U	2.0	0.64
67-66-3	Chloroform	119.38	2.0	U	2.0	0.25
109-99-9	Tetrahydrofuran	72.11	1.6	J	50	0.46
71-55-6	1,1,1-Trichloroethane	133.41	2.0	U	2.0	0.21
110-82-7	Cyclohexane	84.16	0.54	J	2.0	0.25
56-23-5	Carbon tetrachloride	153.81	0.40	U	0.40	0.21
540-84-1	2,2,4-Trimethylpentane	114.23	2.0	U	2.0	0.27
71-43-2	Benzene	78.11	2.0	U	2.0	0.19
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	0.17
142-82-5	Heptane	100.21	2.0	U	2.0	0.46

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-7 Lab Sample ID: 200-20955-27

Matrix: Air Lab File ID: 6318_010.D

Analysis Method: TO-15 Date Collected: 02/12/2014 19:07

Sample wt/vol: 20(mL) Date Analyzed: 02/25/2014 20:57

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68811 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.40	U	0.40	0.24
80-62-6	Methyl methacrylate	100.12	5.0	U	5.0	0.30
78-87-5	1,2-Dichloropropane	112.99	2.0	U	2.0	0.32
123-91-1	1,4-Dioxane	88.11	50	U	50	2.0
75-27-4	Bromodichloromethane	163.83	2.0	U	2.0	0.17
10061-01-5	cis-1,3-Dichloropropene	110.97	2.0	U	2.0	0.28
108-10-1	methyl isobutyl ketone	100.16	5.0	U	5.0	0.27
108-88-3	Toluene	92.14	0.54	J	2.0	0.17
10061-02-6	trans-1,3-Dichloropropene	110.97	2.0	U	2.0	0.22
79-00-5	1,1,2-Trichloroethane	133.41	2.0	U	2.0	0.17
127-18-4	Tetrachloroethene	165.83	2.0	U	2.0	0.16
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.0	U	5.0	2.0
124-48-1	Dibromochloromethane	208.29	2.0	U	2.0	0.20
106-93-4	1,2-Dibromoethane	187.87	2.0	U	2.0	0.20
108-90-7	Chlorobenzene	112.56	2.0	U	2.0	0.081
100-41-4	Ethylbenzene	106.17	2.0	U	2.0	0.13
179601-23-1	m,p-Xylene	106.17	5.0	U	5.0	0.23
95-47-6	Xylene, o-	106.17	2.0	U	2.0	0.16
1330-20-7	Xylene (total)	106.17	2.0	U	2.0	0.34
100-42-5	Styrene	104.15	2.0	U	2.0	0.18
75-25-2	Bromoform	252.75	2.0	U	2.0	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.0	U	2.0	0.16
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.80
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.18
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	0.12
95-49-8	2-Chlorotoluene	126.59	2.0	U	2.0	0.13
98-06-6	tert-Butylbenzene	134.22	2.0	U	2.0	0.17
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0	U	2.0	0.14
135-98-8	sec-Butylbenzene	134.22	2.0	U	2.0	0.80
99-87-6	4-Isopropyltoluene	134.22	2.0	U	2.0	0.80
541-73-1	1,3-Dichlorobenzene	147.00	2.0	U	2.0	0.14
106-46-7	1,4-Dichlorobenzene	147.00	2.0	U	2.0	0.14
100-44-7	Benzyl chloride	126.58	2.0	U	2.0	0.80
104-51-8	n-Butylbenzene	134.22	2.0	U	2.0	0.80

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-7 Lab Sample ID: 200-20955-27

Matrix: Air Lab File ID: 6318_010.D

Analysis Method: TO-15 Date Collected: 02/12/2014 19:07

Sample wt/vol: 20(mL) Date Analyzed: 02/25/2014 20:57

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68811 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	2.0	U	2.0	0.14
120-82-1	1,2,4-Trichlorobenzene	181.45	5.0	U	5.0	0.27
87-68-3	Hexachloro-1,3-butadiene	260.76	2.0	U *	2.0	0.22
91-20-3	Naphthalene	128.17	5.0	U	5.0	2.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-7 Lab Sample ID: 200-20955-27

Matrix: Air Lab File ID: 6318_010.D

Analysis Method: TO-15 Date Collected: 02/12/2014 19:07

Sample wt/vol: 20(mL) Date Analyzed: 02/25/2014 20:57

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68811 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	25	U	25	1.5
75-45-6	Freon 22	86.47	6.0	J	18	1.7
76-14-2	Freon-114	170.92	14	U	14	2.4
74-87-3	Chloromethane	50.49	10	U	10	2.8
106-97-8	n-Butane	58.12	12	U	12	6.7
75-01-4	Vinyl chloride	62.50	1.0	U	1.0	0.97
106-99-0	1,3-Butadiene	54.09	4.4	U	4.4	0.93
74-83-9	Bromomethane	94.94	7.8	U	7.8	1.1
75-00-3	Chloroethane	64.52	13	U	13	0.79
593-60-2	Vinyl bromide	106.96	8.7	U	8.7	1.3
75-69-4	Freon 11	137.37	11	U	11	1.7
76-13-1	Freon 113	187.38	15	U	15	1.4
75-35-4	1,1-Dichloroethene	96.94	7.9	U	7.9	0.95
67-64-1	Acetone	58.08	120	U	120	30
67-63-0	Isopropyl alcohol	60.10	320		120	5.3
75-15-0	Carbon disulfide	76.14	16	U	16	2.1
107-05-1	Allyl chloride	76.53	16	U	16	1.1
75-09-2	Methylene Chloride	84.93	360		17	4.3
75-65-0	tert-Butyl alcohol	74.12	150	U	150	9.9
1634-04-4	Methyl tert-butyl ether	88.15	7.2	U	7.2	0.79
156-60-5	trans-1,2-Dichloroethene	96.94	7.9	U	7.9	1.1
110-54-3	Hexane	86.17	7.0	U	7.0	1.2
75-34-3	1,1-Dichloroethane	98.96	8.1	U	8.1	1.5
78-93-3	Methyl Ethyl Ketone	72.11	15	U	15	7.1
156-59-2	cis-1,2-Dichloroethene	96.94	7.9	U	7.9	1.5
540-59-0	1,2-Dichloroethene, Total	96.94	7.9	U	7.9	2.5
67-66-3	Chloroform	119.38	9.8	U	9.8	1.2
109-99-9	Tetrahydrofuran	72.11	4.7	J	150	1.4
71-55-6	1,1,1-Trichloroethane	133.41	11	U	11	1.1
110-82-7	Cyclohexane	84.16	1.9	J	6.9	0.86
56-23-5	Carbon tetrachloride	153.81	2.5	U	2.5	1.3
540-84-1	2,2,4-Trimethylpentane	114.23	9.3	U	9.3	1.3
71-43-2	Benzene	78.11	6.4	U	6.4	0.61
107-06-2	1,2-Dichloroethane	98.96	8.1	U	8.1	0.69
142-82-5	Heptane	100.21	8.2	U	8.2	1.9

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-7 Lab Sample ID: 200-20955-27

Matrix: Air Lab File ID: 6318_010.D

Analysis Method: TO-15 Date Collected: 02/12/2014 19:07

Sample wt/vol: 20(mL) Date Analyzed: 02/25/2014 20:57

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68811 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.1	U	2.1	1.3
80-62-6	Methyl methacrylate	100.12	20	U	20	1.2
78-87-5	1,2-Dichloropropane	112.99	9.2	U	9.2	1.5
123-91-1	1,4-Dioxane	88.11	180	U	180	7.2
75-27-4	Bromodichloromethane	163.83	13	U	13	1.1
10061-01-5	cis-1,3-Dichloropropene	110.97	9.1	U	9.1	1.3
108-10-1	methyl isobutyl ketone	100.16	20	U	20	1.1
108-88-3	Toluene	92.14	2.0	J	7.5	0.64
10061-02-6	trans-1,3-Dichloropropene	110.97	9.1	U	9.1	1.0
79-00-5	1,1,2-Trichloroethane	133.41	11	U	11	0.93
127-18-4	Tetrachloroethene	165.83	14	U	14	1.1
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	20	U	20	8.2
124-48-1	Dibromochloromethane	208.29	17	U	17	1.7
106-93-4	1,2-Dibromoethane	187.87	15	U	15	1.5
108-90-7	Chlorobenzene	112.56	9.2	U	9.2	0.37
100-41-4	Ethylbenzene	106.17	8.7	U	8.7	0.56
179601-23-1	m,p-Xylene	106.17	22	U	22	1.0
95-47-6	Xylene, o-	106.17	8.7	U	8.7	0.69
1330-20-7	Xylene (total)	106.17	8.7	U	8.7	1.5
100-42-5	Styrene	104.15	8.5	U	8.5	0.77
75-25-2	Bromoform	252.75	21	U	21	1.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	14	U	14	1.1
103-65-1	n-Propylbenzene	120.19	9.8	U	9.8	3.9
622-96-8	4-Ethyltoluene	120.20	9.8	U	9.8	0.88
108-67-8	1,3,5-Trimethylbenzene	120.20	9.8	U	9.8	0.59
95-49-8	2-Chlorotoluene	126.59	10	U	10	0.67
98-06-6	tert-Butylbenzene	134.22	11	U	11	0.93
95-63-6	1,2,4-Trimethylbenzene	120.20	9.8	U	9.8	0.69
135-98-8	sec-Butylbenzene	134.22	11	U	11	4.4
99-87-6	4-Isopropyltoluene	134.22	11	U	11	4.4
541-73-1	1,3-Dichlorobenzene	147.00	12	U	12	0.84
106-46-7	1,4-Dichlorobenzene	147.00	12	U	12	0.84
100-44-7	Benzyl chloride	126.58	10	U	10	4.1
104-51-8	n-Butylbenzene	134.22	11	U	11	4.4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-7 Lab Sample ID: 200-20955-27

Matrix: Air Lab File ID: 6318_010.D

Analysis Method: TO-15 Date Collected: 02/12/2014 19:07

Sample wt/vol: 20(mL) Date Analyzed: 02/25/2014 20:57

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68811 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	12	U	12	0.84
120-82-1	1,2,4-Trichlorobenzene	181.45	37	U	37	2.0
87-68-3	Hexachloro-1,3-butadiene	260.76	21	U *	21	2.3
91-20-3	Naphthalene	128.17	26	U	26	10

Report Date: 26-Feb-2014 12:35:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_010.D
Lims ID: 200-20955-A-27 Lab Sample ID: 200-20955-27
Client ID: IA-VMP-7
Sample Type: Client
Inject. Date: 25-Feb-2014 20:57:30 ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 10.0000
Sample Info: 200-0006318-010
Misc. Info.: 200-20955-a-27@10
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 26-Feb-2014 12:27:58 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: lyonsb Date: 26-Feb-2014 11:37:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		3.133					
6 Chlorodifluoromethane	51	3.181	3.181	0.0	90	13380	0.1683	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.405					
8 Chloromethane	50		3.539					
9 Butane	43		3.758					
10 Vinyl chloride	62		3.796					
11 Butadiene	54		3.882					
12 Bromomethane	94		4.577					
14 Chloroethane	64		4.828					
16 Vinyl bromide	106		5.235					
17 Trichlorofluoromethane	101		5.353					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.481					
24 1,1-Dichloroethene	96		6.503					
25 Acetone	43		6.722					
26 Carbon disulfide	76		6.888					
27 Isopropyl alcohol	45	7.032	7.038	-0.006	98	619959	13.0	
29 3-Chloro-1-propene	41		7.305					
31 Methylene Chloride	49	7.594	7.600	-0.006	82	494802	10.4	
32 2-Methyl-2-propanol	59		7.840					
33 Methyl tert-butyl ether	73		8.044					
34 trans-1,2-Dichloroethene	61		8.065					
36 Hexane	57		8.493					
37 1,1-Dichloroethane	63		8.948					
39 cis-1,2-Dichloroethene	96		10.087					
40 2-Butanone (MEK)	72		10.141					
S 41 1,2-Dichloroethene, Total	61		10.200					
* 43 Chlorobromomethane	128	10.558	10.563	-0.005	68	673078	10.0	
44 Tetrahydrofuran	42	10.590	10.579	0.011	77	7070	0.1584	
45 Chloroform	83		10.708					
46 Cyclohexane	84	10.991	10.997	-0.006	45	5097	0.0544	M
47 1,1,1-Trichloroethane	97		11.007					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	48 Carbon tetrachloride	117		11.269						
	50 Benzene	78	11.740	11.746	-0.006	39	2025	0.008085		
	51 Isooctane	57		11.762						
	52 1,2-Dichloroethane	62		11.911						
	53 n-Heptane	43	12.179	12.174	0.005	34	1485	0.0134		M
*	54 1,4-Difluorobenzene	114	12.618	12.623	-0.005	91	3753593	10.0		
	56 Trichloroethene	95		13.115						
	58 1,2-Dichloropropane	63		13.682						
	59 Methyl methacrylate	69		13.885						
	60 1,4-Dioxane	88		13.918						
	62 Dichlorobromomethane	83		14.249						
	64 cis-1,3-Dichloropropene	75		15.228						
	65 4-Methyl-2-pentanone (MIBK)	43		15.533						
	66 Toluene	92	15.860	15.854	0.006	79	13659	0.0538		M
	70 trans-1,3-Dichloropropene	75		16.443						
	71 1,1,2-Trichloroethane	83		16.812						
	72 Tetrachloroethene	166		16.967						
	73 2-Hexanone	43		17.288						
	74 Chlorodibromomethane	129		17.587						
	75 Ethylene Dibromide	107		17.866						
*	76 Chlorobenzene-d5	117	18.786	18.791	-0.005	81	3462353	10.0		
	77 Chlorobenzene	112		18.850						
	78 Ethylbenzene	91	19.021	19.016	0.005	5	3074	0.005834		
	80 m-Xylene & p-Xylene	106	19.273	19.273	0.0	65	3089	0.0143		M
S	82 Xylenes, Total	106				0		0.0173		
	83 o-Xylene	106	20.091	20.102	-0.011	29	666	0.002962		M
	84 Styrene	104		20.145						
	85 Bromoform	173		20.535						
$	87 4-Bromofluorobenzene	95	21.113	21.113	0.0	98	1569984	NC		
	88 1,1,2,2-Tetrachloroethane	83		21.370						
	90 N-Propylbenzene	91		21.471						
	92 2-Chlorotoluene	91		21.653						
	91 4-Ethyltoluene	105		21.659						
	94 1,3,5-Trimethylbenzene	105		21.760						
	96 tert-Butylbenzene	119		22.242						
	97 1,2,4-Trimethylbenzene	105		22.333						
	98 sec-Butylbenzene	105		22.563						
	99 4-Isopropyltoluene	119		22.761						
	100 1,3-Dichlorobenzene	146		22.777						
	101 1,4-Dichlorobenzene	146		22.910						
	102 Benzyl chloride	91		23.108						
	103 n-Butylbenzene	91		23.338						
	105 1,2-Dichlorobenzene	146		23.451						
	107 1,2,4-Trichlorobenzene	180		26.019						
	108 Hexachlorobutadiene	225		26.227						
	109 Naphthalene	128		26.505						

QC Flag Legend

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

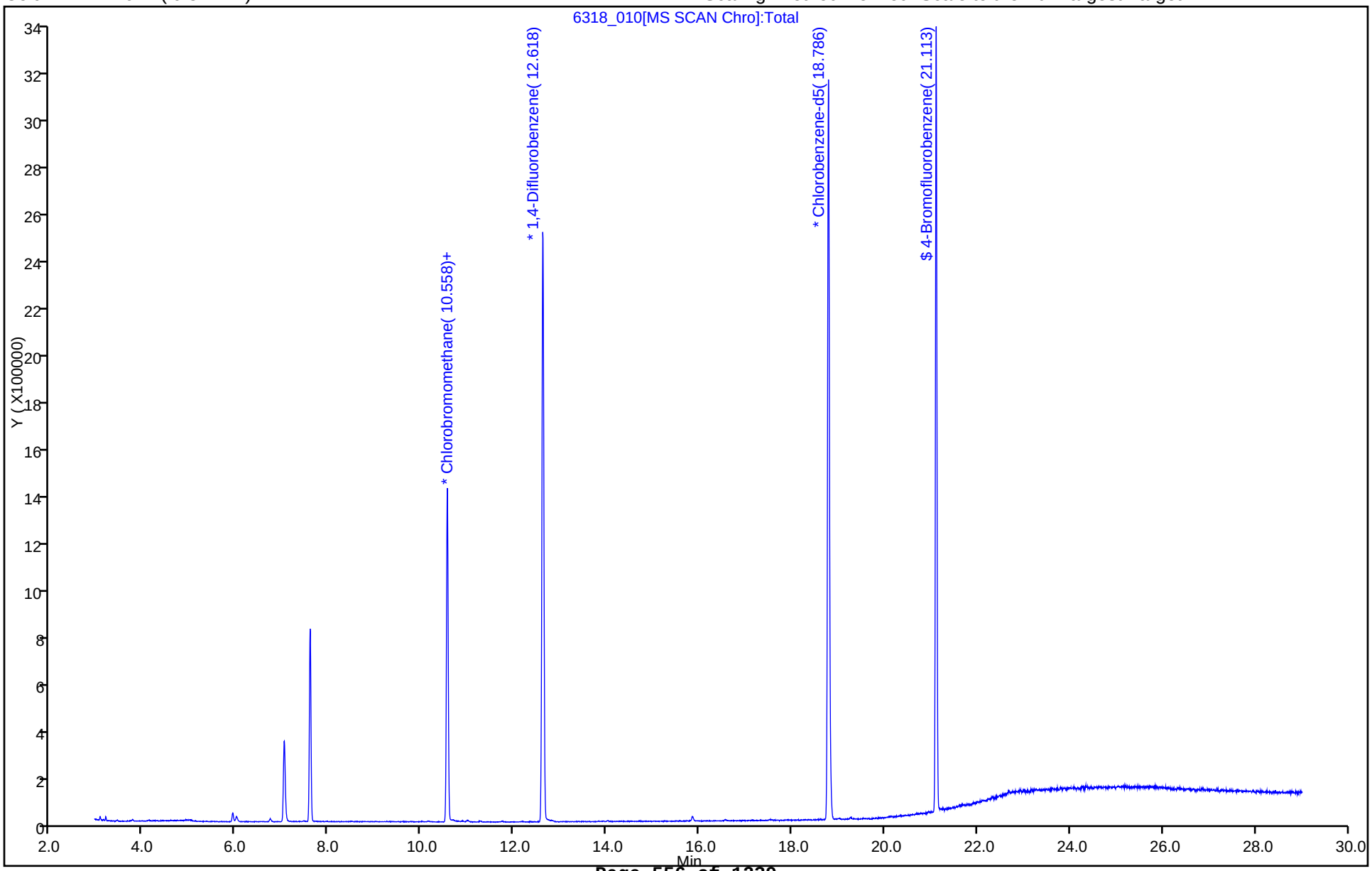
Report Date: 26-Feb-2014 12:35:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_010.D

Injection Date:	25-Feb-2014 20:57:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	200-20955-A-27	Lab Sample ID:	200-20955-27	Worklist Smp#:	10
Client ID:	IA-VMP-7				
Purge Vol:	200.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



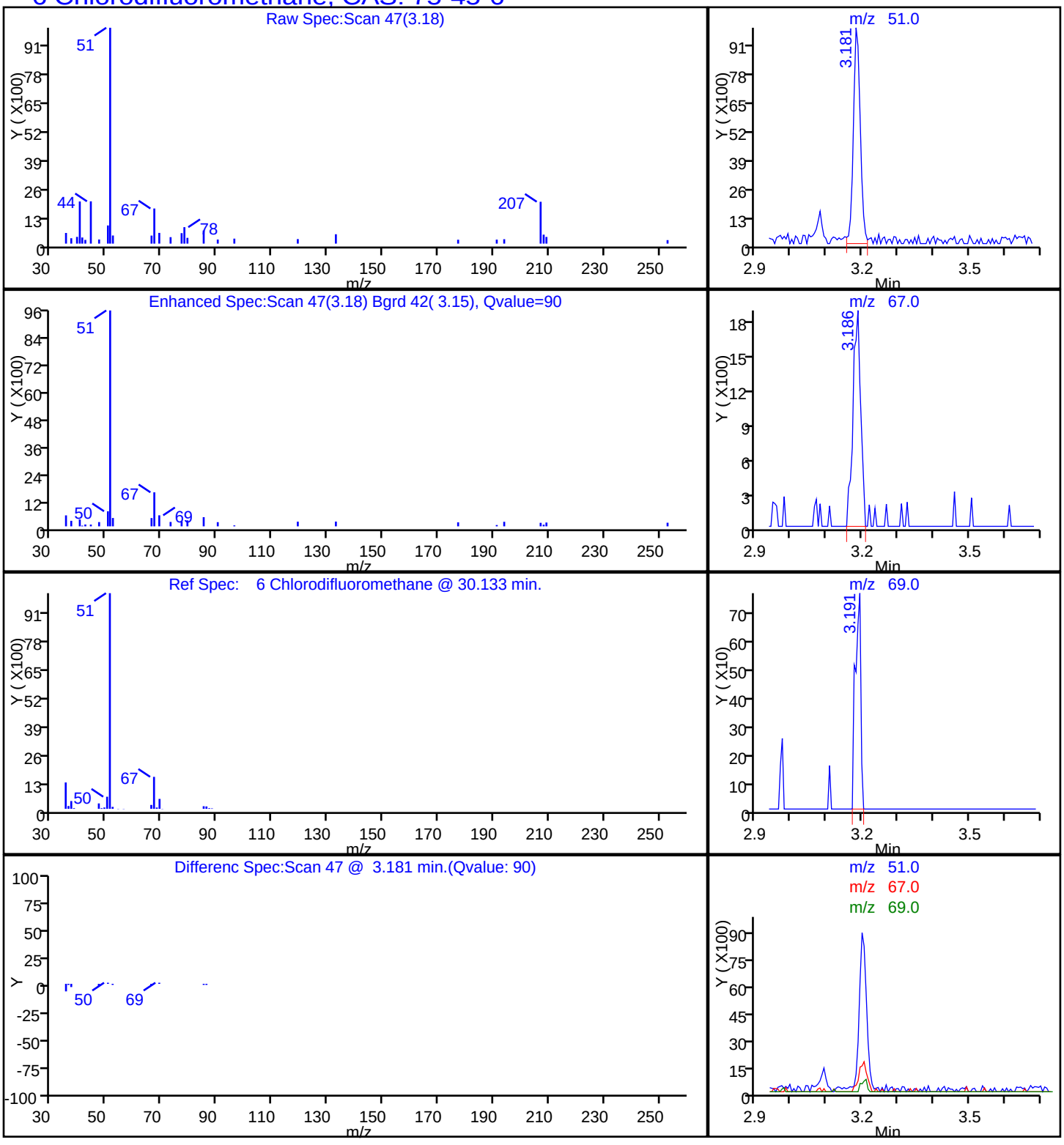
Report Date: 26-Feb-2014 12:35:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_010.D

Injection Date:	25-Feb-2014 20:57:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-27	Lab Sample ID:	200-20955-27		
Client ID:	IA-VMP-7				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



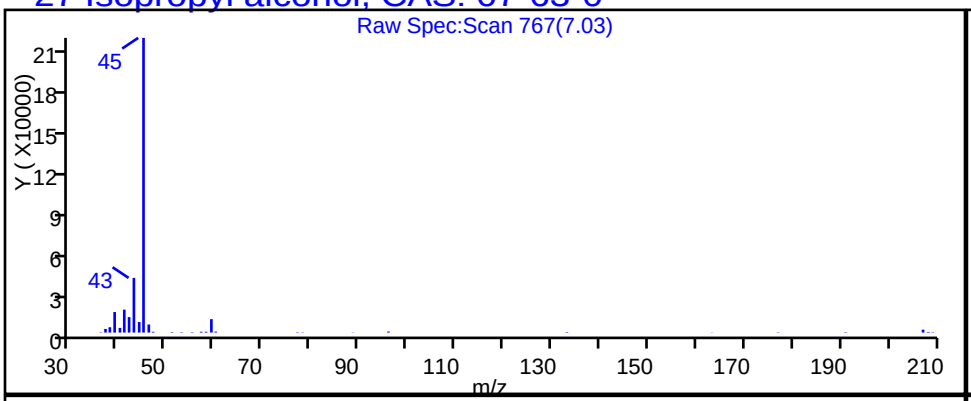
Report Date: 26-Feb-2014 12:35:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

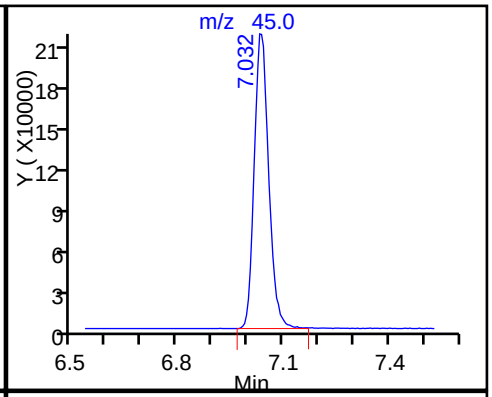
TestAmerica Burlington

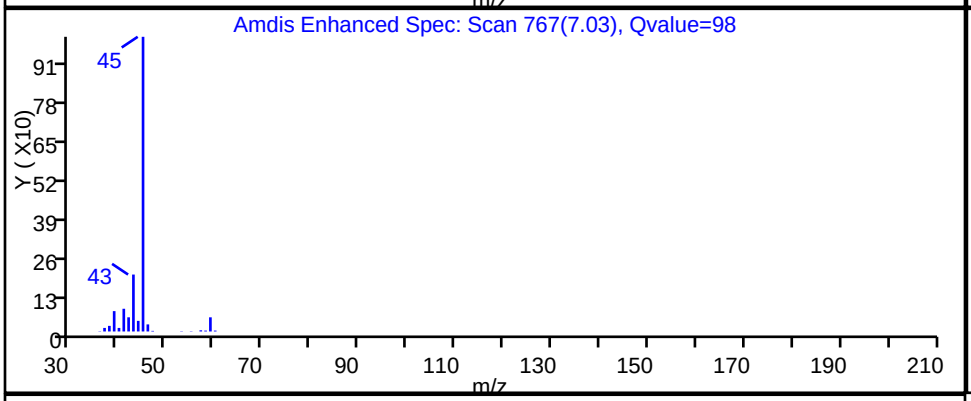
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_010.D

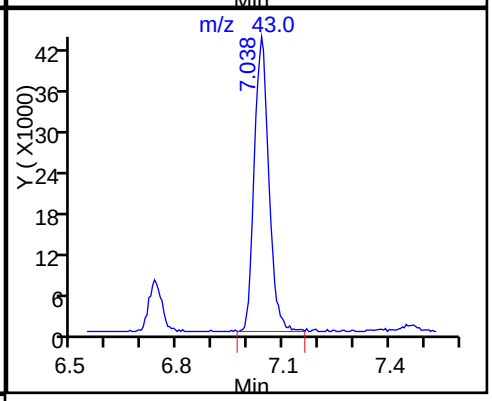
Injection Date:	25-Feb-2014 20:57:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-27	Lab Sample ID:	200-20955-27		
Client ID:	IA-VMP-7				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

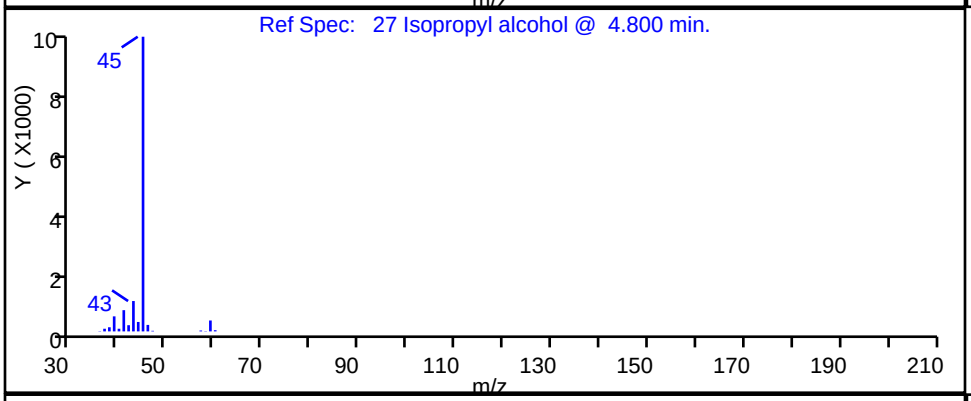
27 Isopropyl alcohol, CAS: 67-63-0

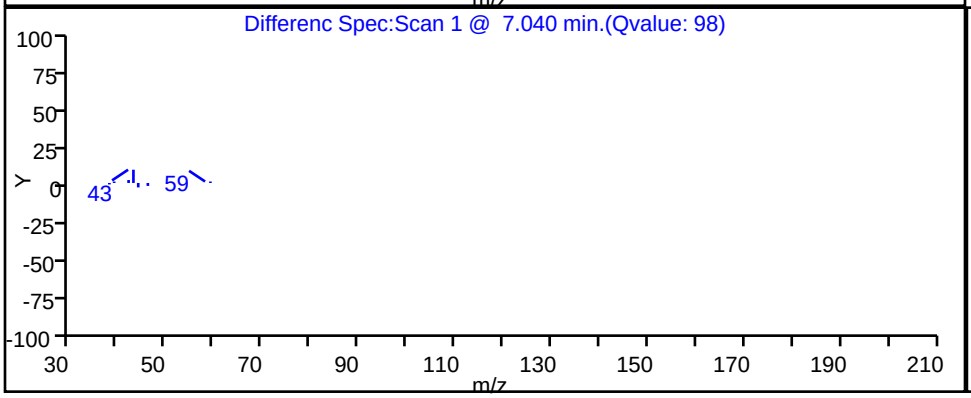


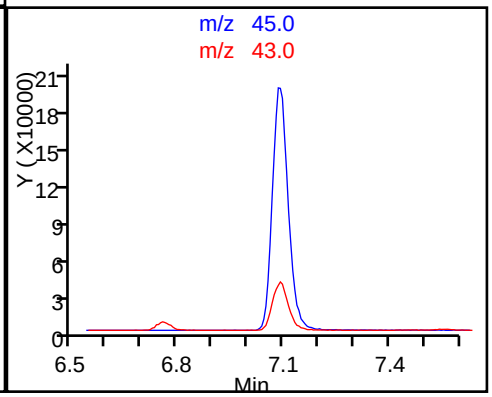












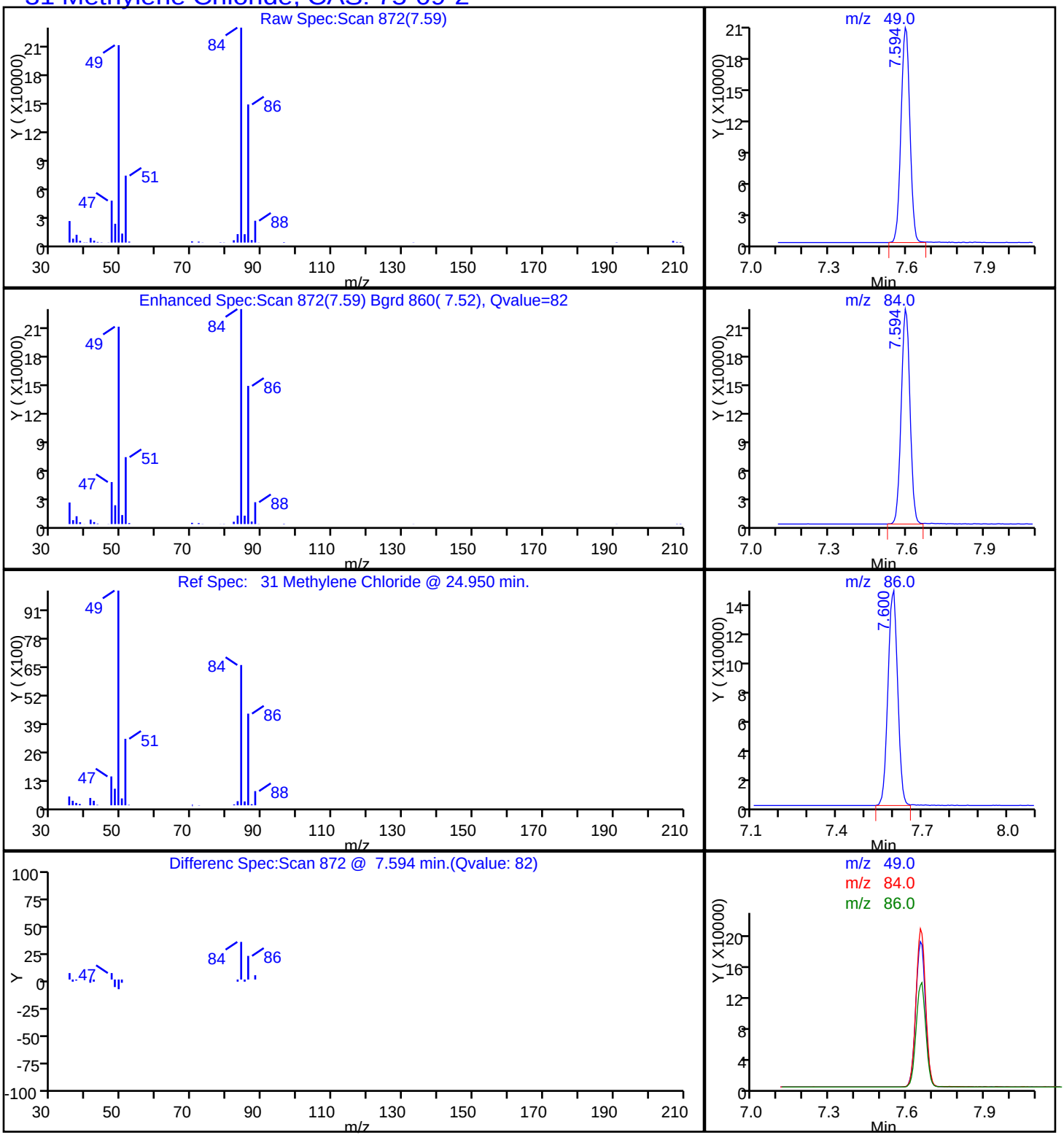
Report Date: 26-Feb-2014 12:35:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_010.D

Injection Date:	25-Feb-2014 20:57:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-27	Lab Sample ID:	200-20955-27		
Client ID:	IA-VMP-7				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



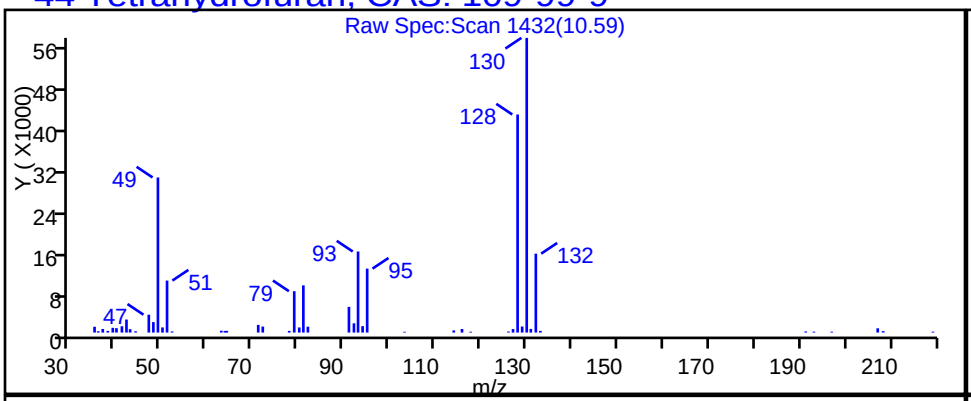
Report Date: 26-Feb-2014 12:35:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

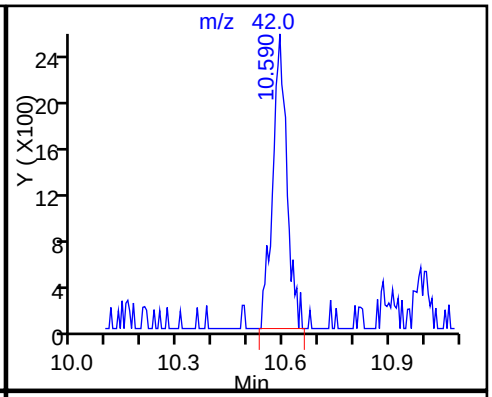
TestAmerica Burlington

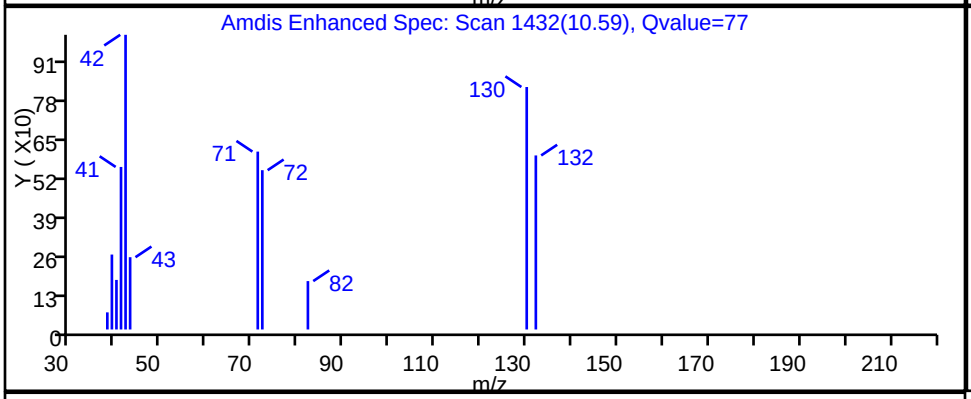
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_010.D

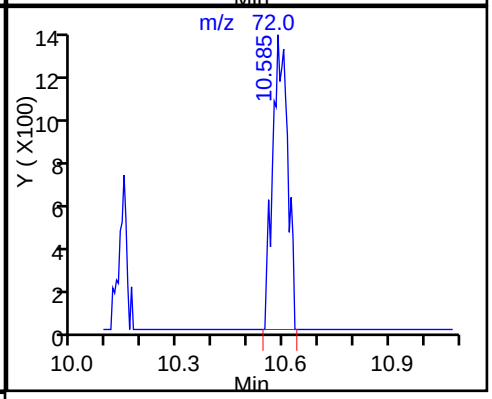
Injection Date:	25-Feb-2014 20:57:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-27	Lab Sample ID:	200-20955-27		
Client ID:	IA-VMP-7				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

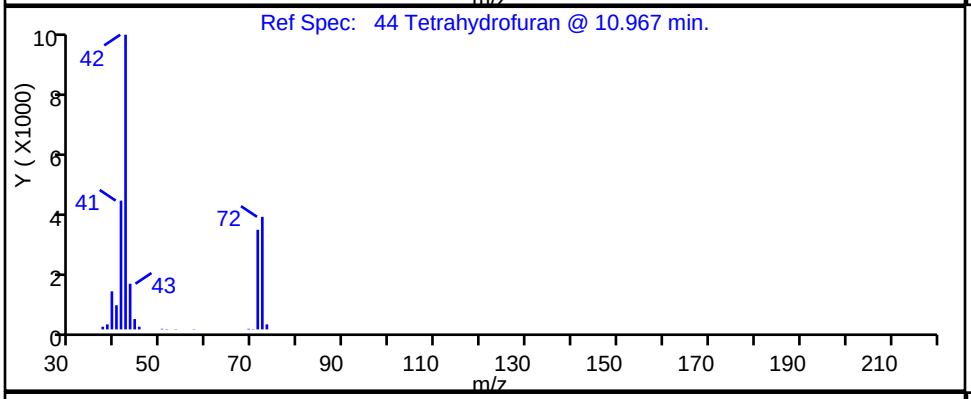
44 Tetrahydrofuran, CAS: 109-99-9

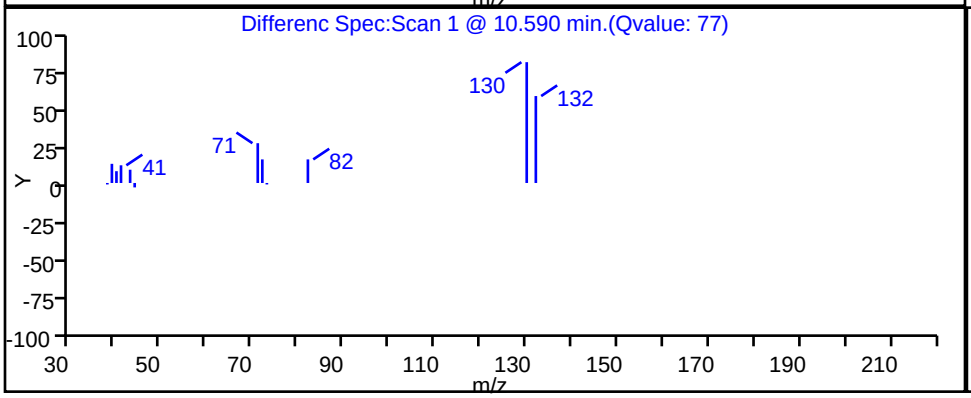


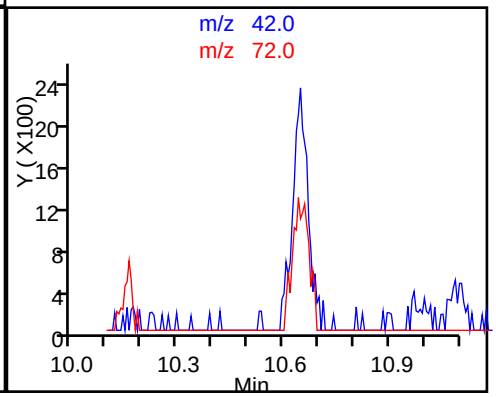












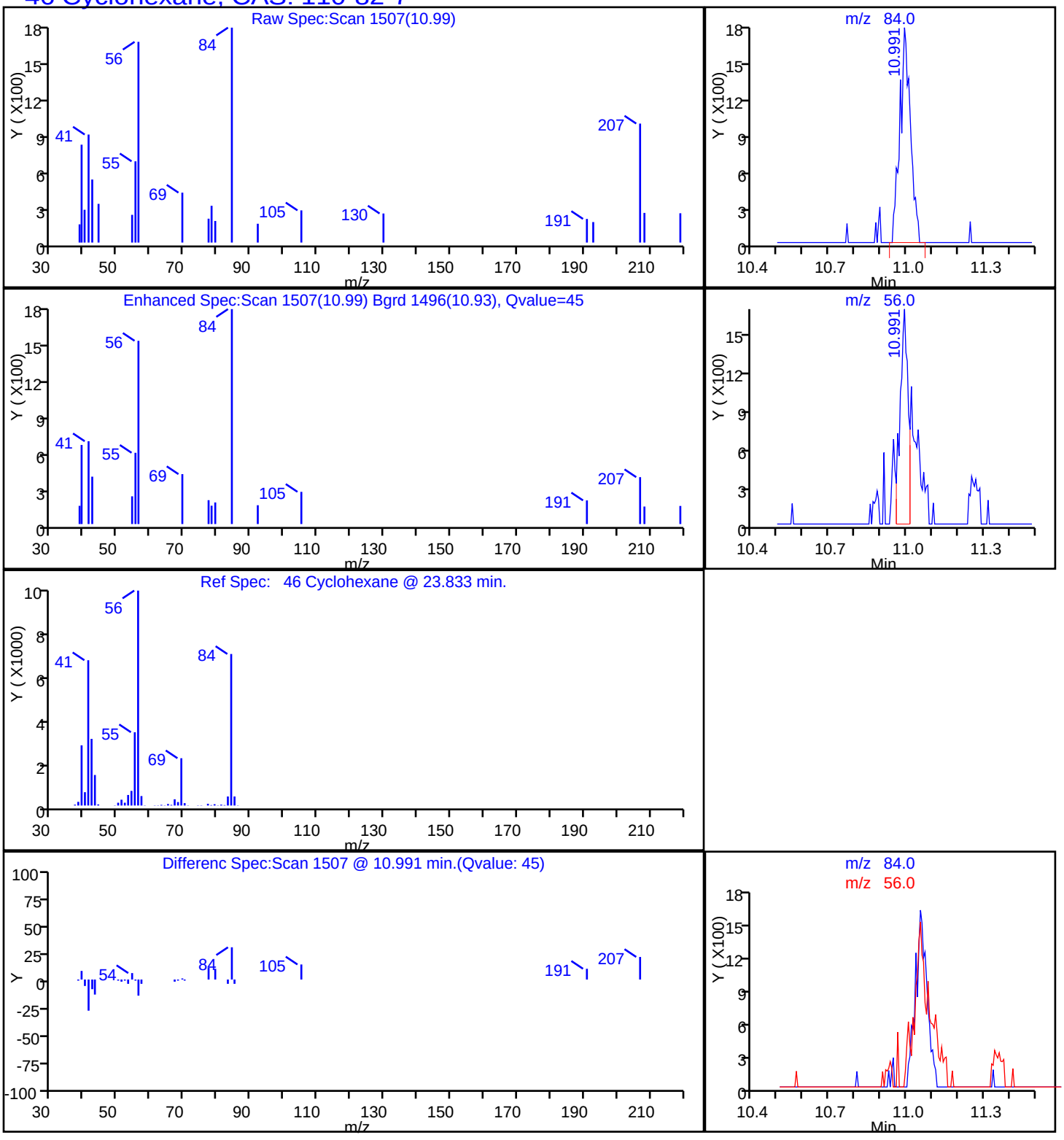
Report Date: 26-Feb-2014 12:35:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_010.D

Injection Date:	25-Feb-2014 20:57:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-27	Lab Sample ID:	200-20955-27		
Client ID:	IA-VMP-7				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



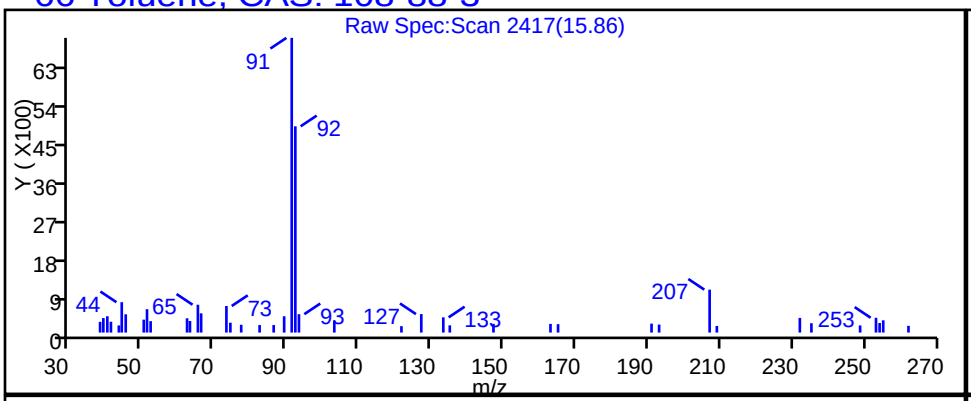
Report Date: 26-Feb-2014 12:35:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

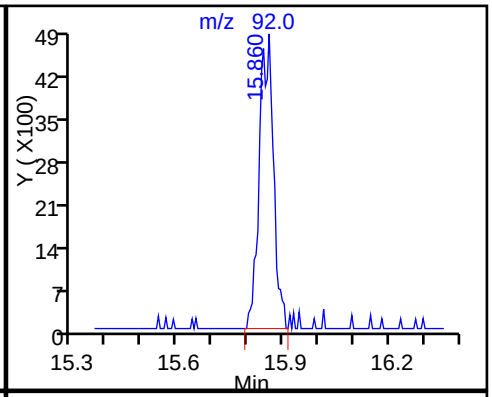
TestAmerica Burlington

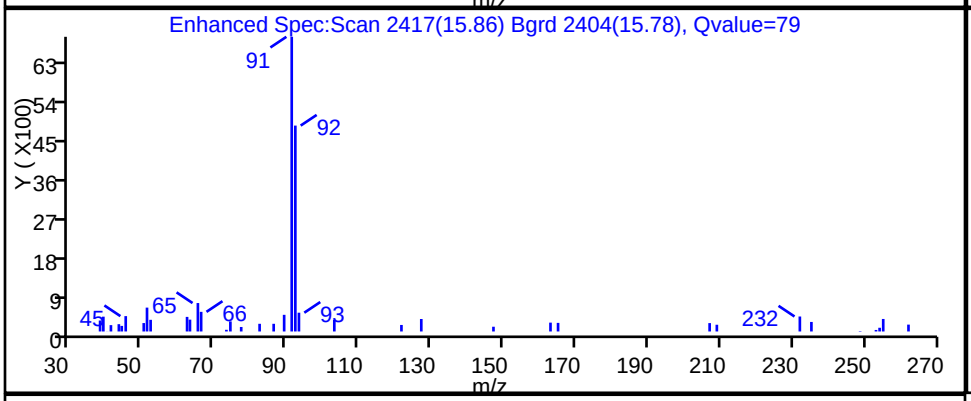
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_010.D

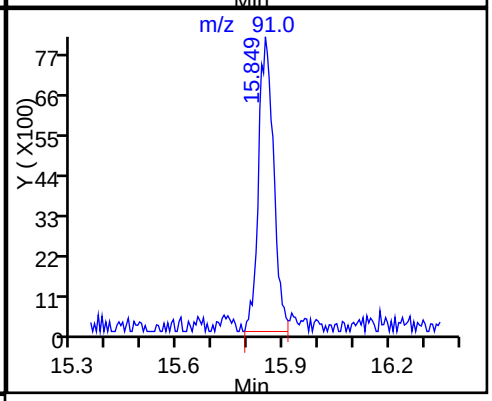
Injection Date:	25-Feb-2014 20:57:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-27	Lab Sample ID:	200-20955-27		
Client ID:	IA-VMP-7				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

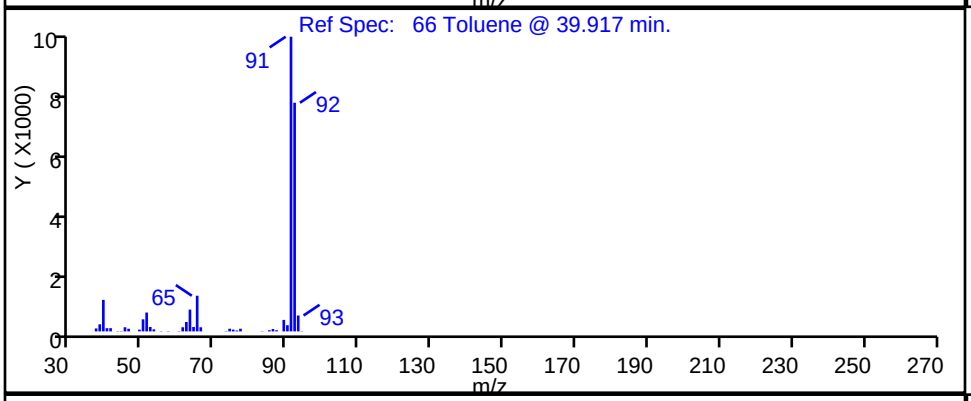
66 Toluene, CAS: 108-88-3

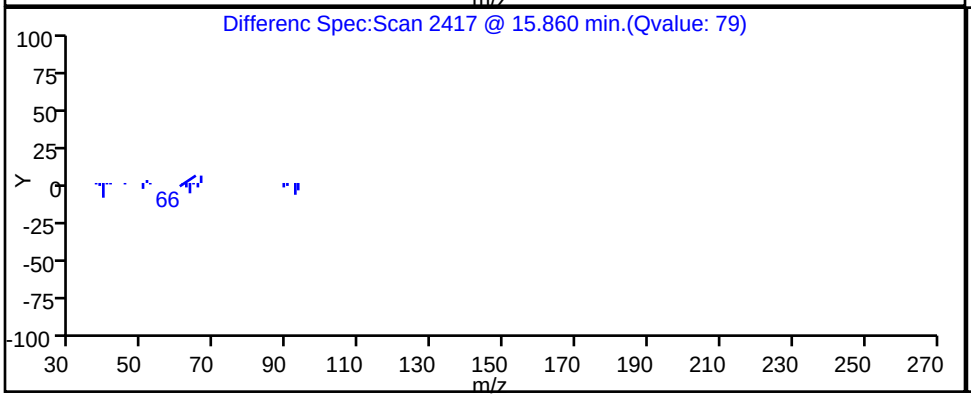


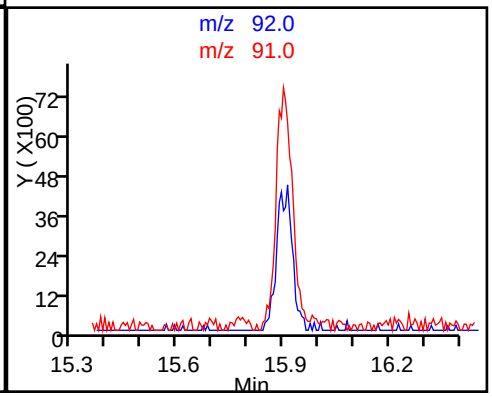












Manual Integration/User Assign Peak Report

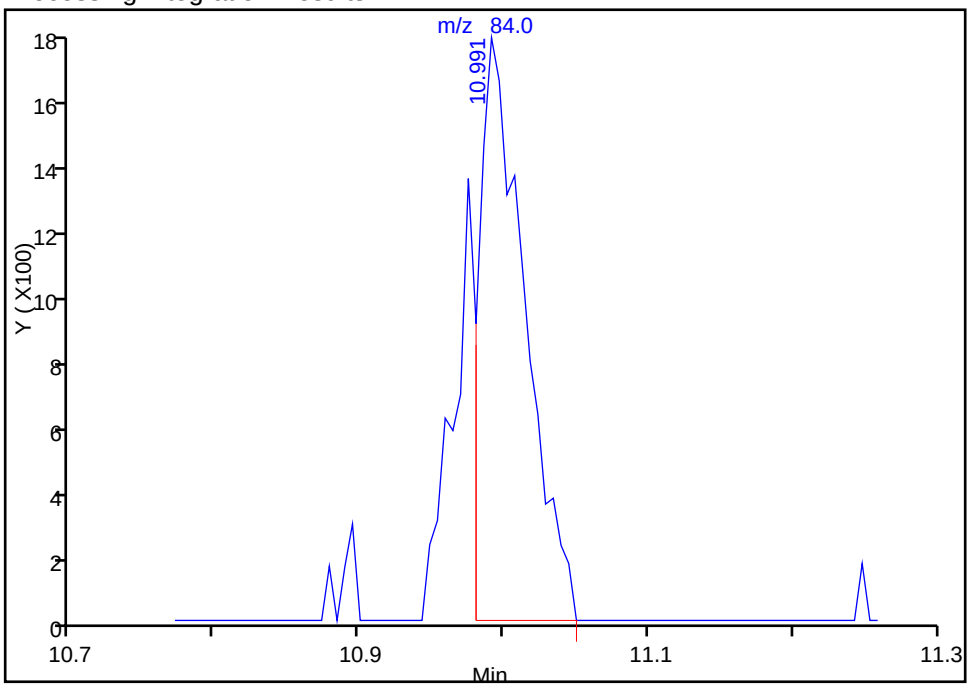
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_010.D				
Injection Date:	25-Feb-2014 20:57:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-27	Lab Sample ID:	200-20955-27		
Client ID:	IA-VMP-7				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

Processing Integration Results

RT: 10.99
Response: 3882
Amount: 0.041436



Manual Integration Results

RT: 10.99
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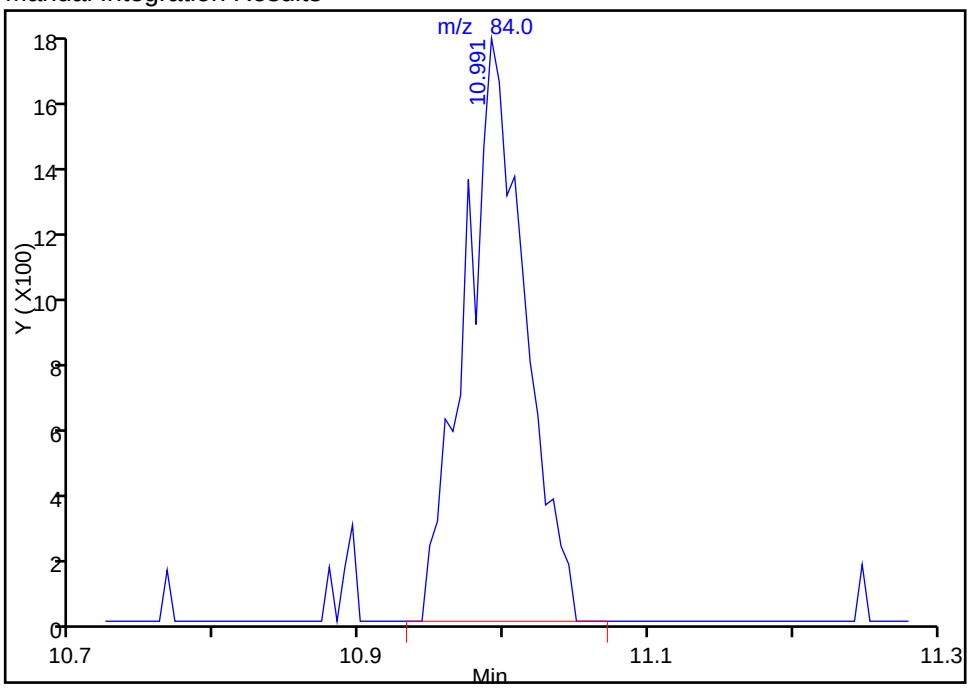
Amount: 0.054405



Reviewer: lyonsb, 26-Feb-2014 11:37:49
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

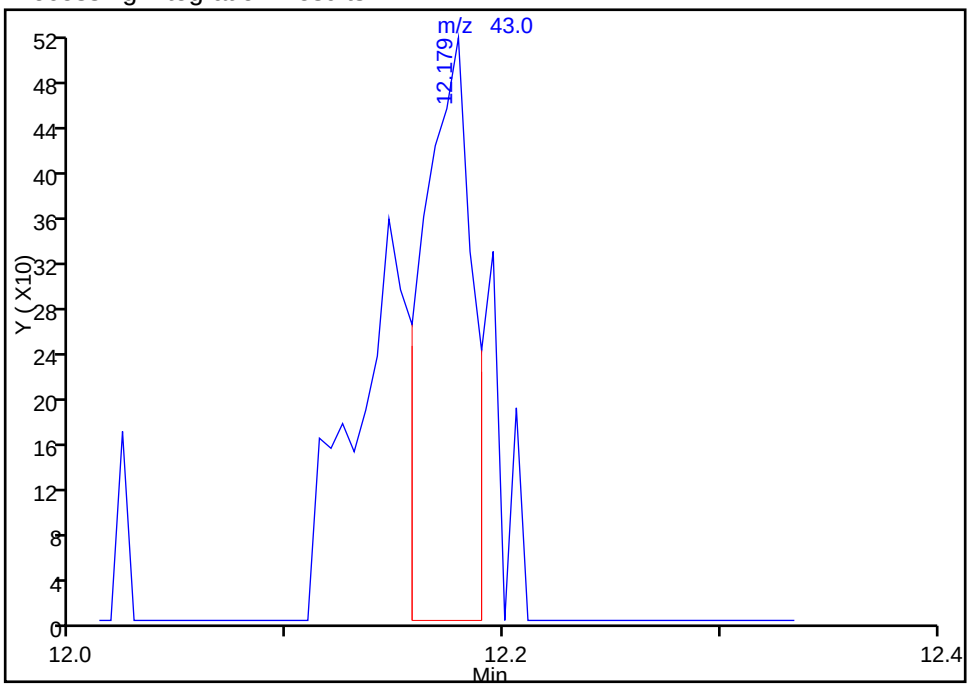
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_010.D				
Injection Date:	25-Feb-2014 20:57:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-27	Lab Sample ID:	200-20955-27		
Client ID:	IA-VMP-7				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

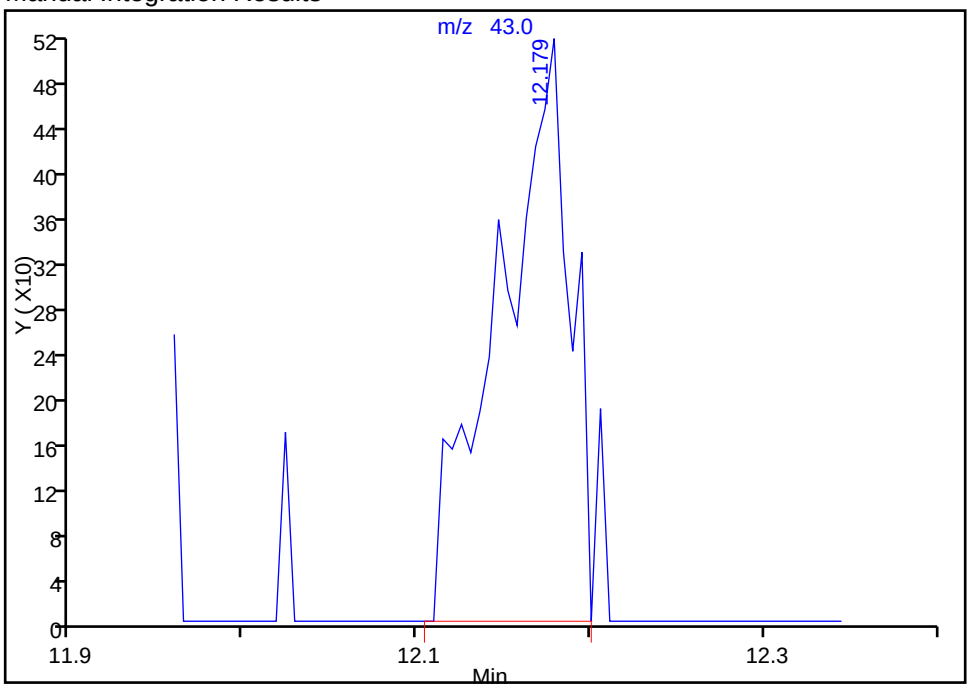
Processing Integration Results

RT: 12.18
Response: 830
Amount: 0.007473



Manual Integration Results

RT: 12.18
Response: 1485
Amount: 0.013370



Reviewer: lyonsb, 26-Feb-2014 11:37:49
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

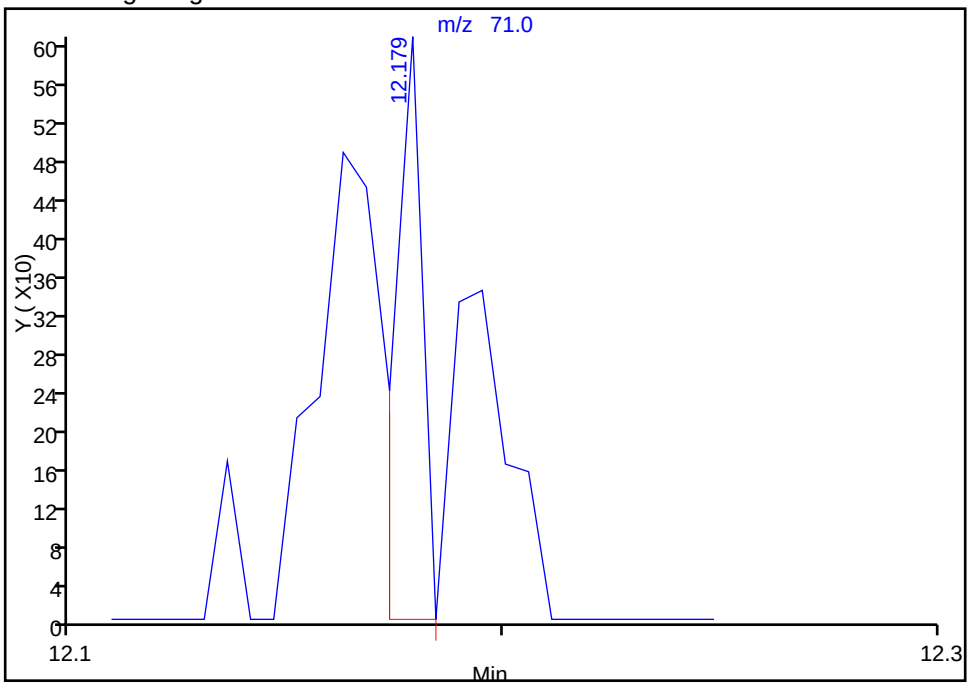
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_010.D				
Injection Date:	25-Feb-2014 20:57:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-27	Lab Sample ID:	200-20955-27		
Client ID:	IA-VMP-7				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

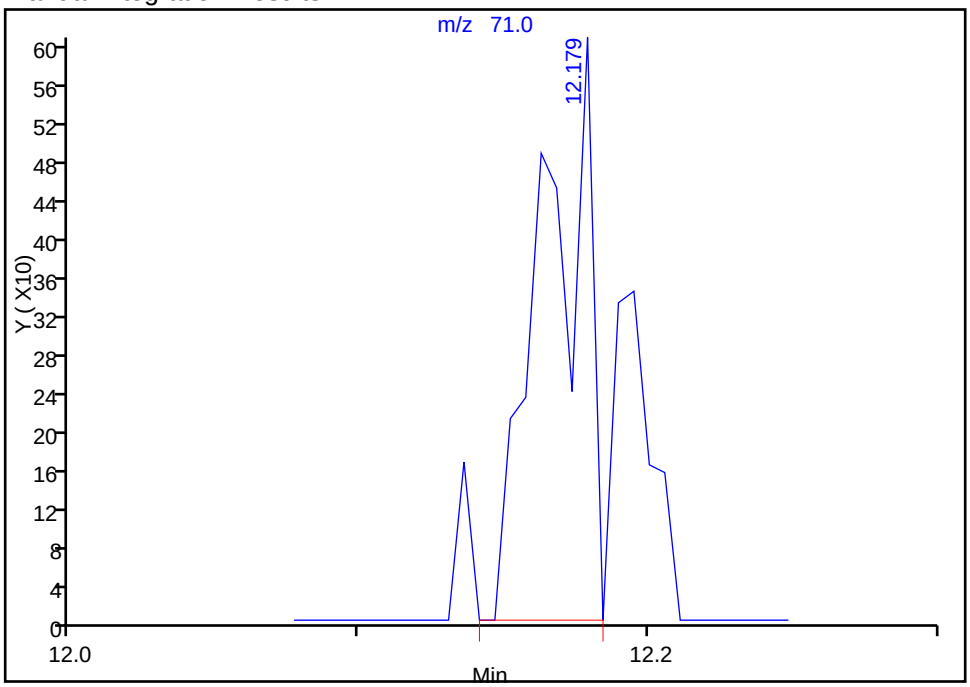
Processing Integration Results

RT: 12.18
Response: 270
Amount: 0.007473



Manual Integration Results

RT: 12.18
Response: 710
Amount: 0.013370



Reviewer: lyonsb, 26-Feb-2014 11:37:49
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

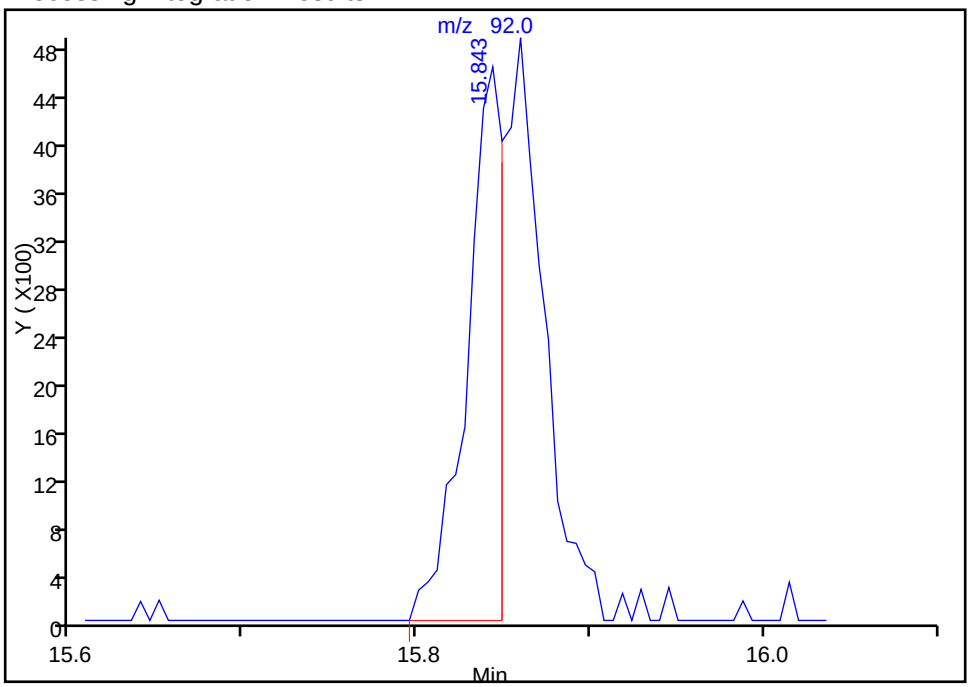
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_010.D				
Injection Date:	25-Feb-2014 20:57:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-27	Lab Sample ID:	200-20955-27		
Client ID:	IA-VMP-7				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3

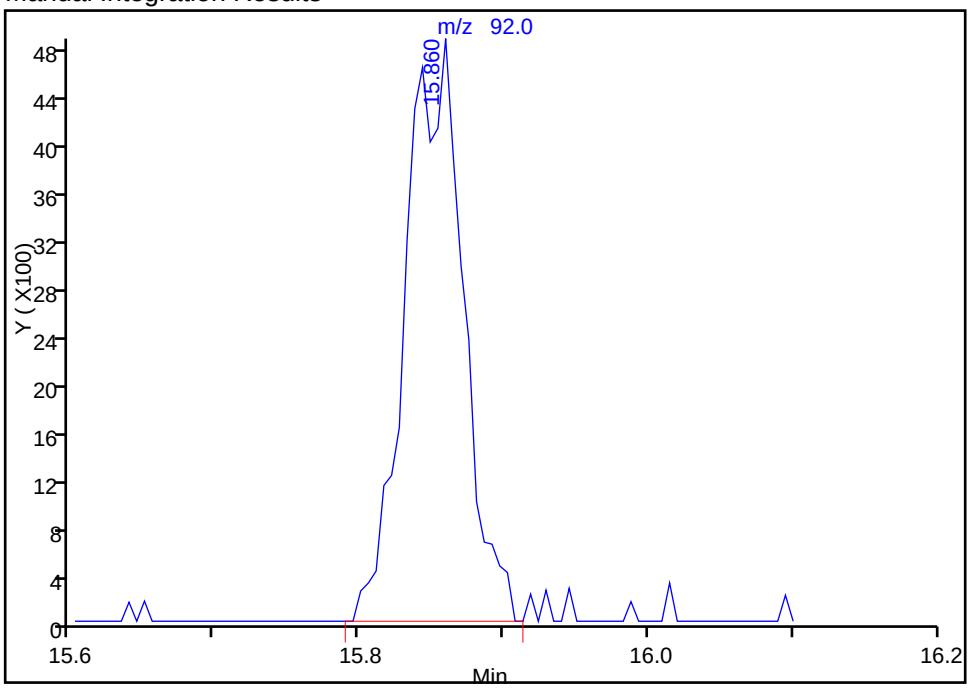
Processing Integration Results

RT: 15.84
Response: 6781
Amount: 0.026734



Manual Integration Results

RT: 15.86
Response: 13659
Amount: 0.053849



Reviewer: lyonsb, 26-Feb-2014 11:37:49
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

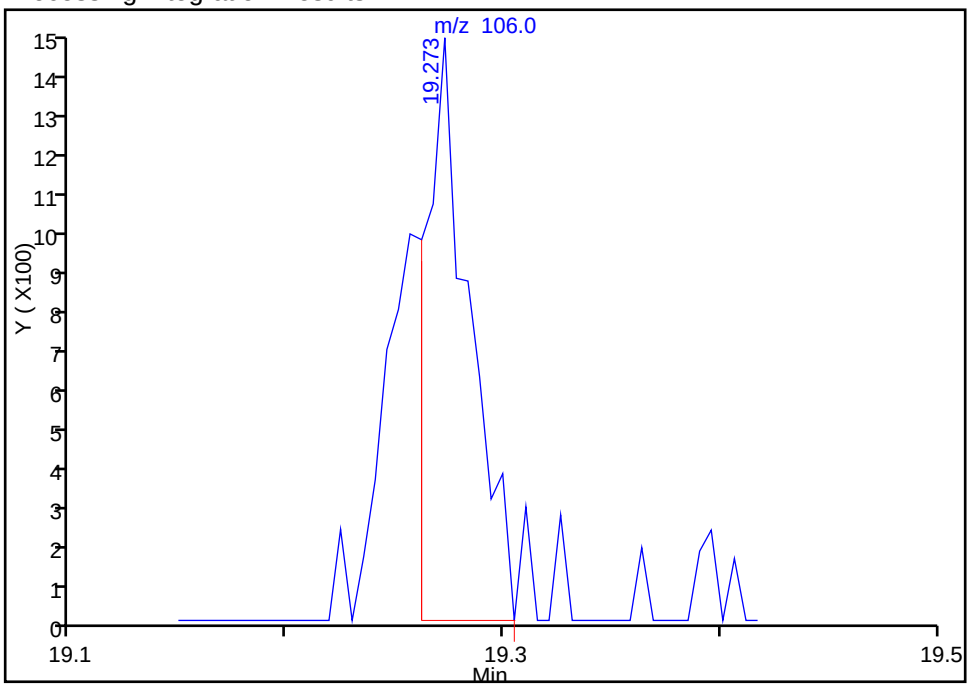
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_010.D				
Injection Date:	25-Feb-2014 20:57:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-27	Lab Sample ID:	200-20955-27		
Client ID:	IA-VMP-7				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1

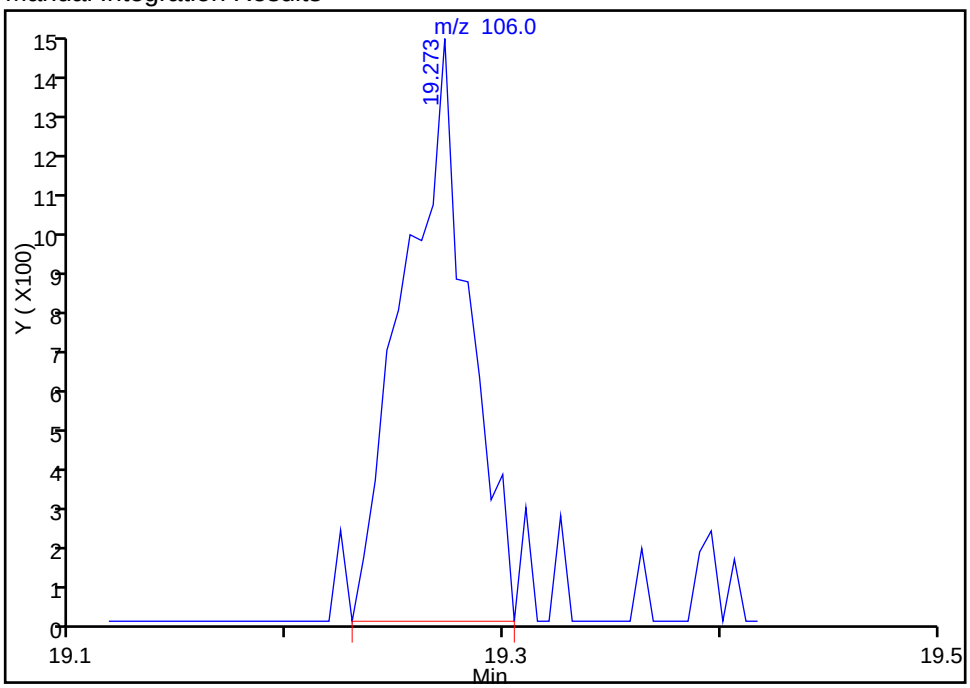
Processing Integration Results

RT: 19.27
Response: 2122
Amount: 0.009851



Manual Integration Results

RT: 19.27
Response: 3089
Amount: 0.014341



Reviewer: lyonsb, 26-Feb-2014 11:37:49
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

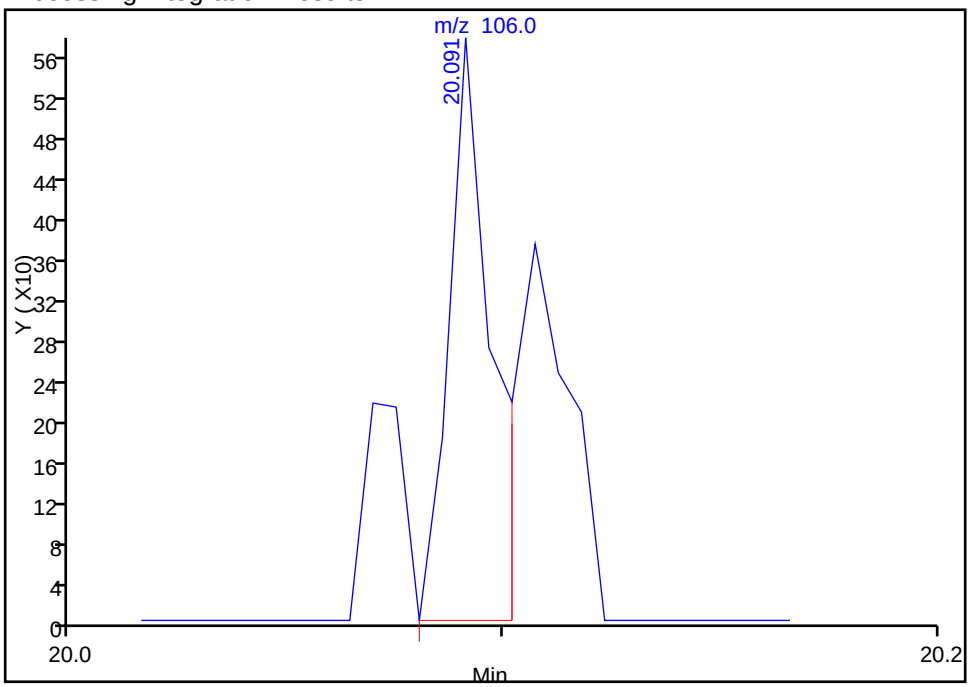
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_010.D				
Injection Date:	25-Feb-2014 20:57:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-27	Lab Sample ID:	200-20955-27		
Client ID:	IA-VMP-7				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6

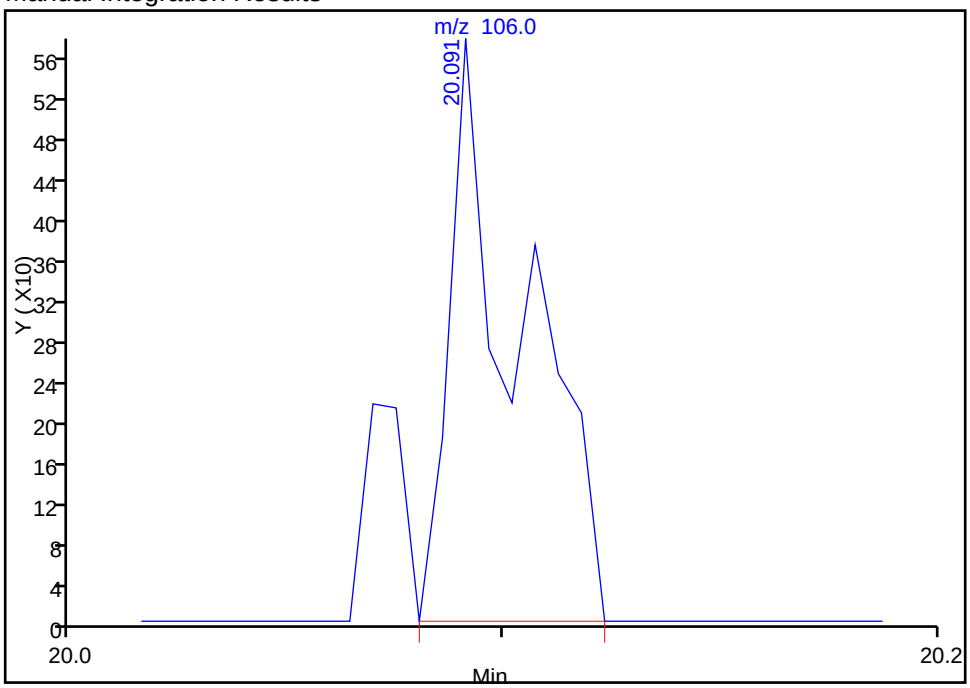
Processing Integration Results

RT: 20.09
Response: 401
Amount: 0.001783



Manual Integration Results

RT: 20.09
Response: 666
Amount: 0.002962



Reviewer: lyonsb, 26-Feb-2014 11:37:49
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-8D Lab Sample ID: 200-20955-29

Matrix: Air Lab File ID: 6282_008.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:34

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 17:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.47	J	0.50	0.030
75-45-6	Freon 22	86.47	0.24	J	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.53		0.50	0.14
106-97-8	n-Butane	58.12	7.2		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.13	J	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.22		0.20	0.030
76-13-1	Freon 113	187.38	0.064	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	8.5		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	8.9		5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.38	J	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.16	J	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	1.8		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.042		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.31		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-8D Lab Sample ID: 200-20955-29

Matrix: Air Lab File ID: 6282_008.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:34

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 17:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.29	J	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	2.1		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.054	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.15	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.055	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.21		0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.091	J	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-8D Lab Sample ID: 200-20955-29

Matrix: Air Lab File ID: 6282_008.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:34

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 17:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-8D Lab Sample ID: 200-20955-29

Matrix: Air Lab File ID: 6282_008.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:34

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 17:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.3	J	2.5	0.15
75-45-6	Freon 22	86.47	0.84	J	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.1		1.0	0.28
106-97-8	n-Butane	58.12	17		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.30	J	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.2		1.1	0.17
76-13-1	Freon 113	187.38	0.49	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	20		12	3.0
67-63-0	Isopropyl alcohol	60.10	22		12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.3	J	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.58	J	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	5.3		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.26		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	1.0		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-8D Lab Sample ID: 200-20955-29

Matrix: Air Lab File ID: 6282_008.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:34

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 17:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	1.2	J	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	8.0		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.24	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.64	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.24	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.89		0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	0.50	J	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-VMP-8D Lab Sample ID: 200-20955-29

Matrix: Air Lab File ID: 6282_008.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:34

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 17:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d
Lims ID: 200-20955-A-29 Lab Sample ID: 200-20955-29
Client ID: IA-VMP-8D
Sample Type: Client
Inject. Date: 24-Feb-2014 17:31:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006282-008
Misc. Info.: 200-20955-a-28
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 09:48:16 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 25-Feb-2014 09:08:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.474	4.463	0.011	88	93054	0.4737	
6 Chlorodifluoromethane	51	4.544	4.528	0.016	66	17628	0.2369	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.816					
8 Chloromethane	50	5.025	5.009	0.016	99	17837	0.5275	
9 Butane	43	5.292	5.276	0.016	96	396836	7.24	
10 Vinyl chloride	62		5.335					
11 Butadiene	54	5.448	5.432	0.016	65	3995	0.1335	
12 Bromomethane	94		6.298					
14 Chloroethane	64		6.587					
16 Vinyl bromide	106		7.063					
17 Trichlorofluoromethane	101	7.213	7.181	0.032	81	47768	0.2170	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.449	8.433	0.016	76	8794	0.0638	
24 1,1-Dichloroethene	96		8.508					
25 Acetone	43	8.770	8.743	0.027	87	531760	8.53	
26 Carbon disulfide	76		8.995					
27 Isopropyl alcohol	45	9.064	9.027	0.037	97	462497	8.85	
29 3-Chloro-1-propene	41		9.401					
31 Methylene Chloride	49	9.743	9.727	0.016	76	16401	0.3777	
32 2-Methyl-2-propanol	59		9.904					
33 Methyl tert-butyl ether	73		10.155					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.230					
36 Hexane	57	10.658	10.648	0.010	74	9878	0.1643	
37 1,1-Dichloroethane	63		11.193					
39 cis-1,2-Dichloroethene	96		12.370					
40 2-Butanone (MEK)	72	12.402	12.386	0.016	96	47448	1.80	
44 Tetrahydrofuran	42		12.846					
* 43 Chlorobromomethane	128	12.862	12.857	0.005	69	429480	10.0	
45 Chloroform	83		12.964					
46 Cyclohexane	84		13.258					
47 1,1,1-Trichloroethane	97		13.274					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	48 Carbon tetrachloride	117	13.542	13.531	0.011	76	8227	0.0416		
	51 Isooctane	57		13.922						
	50 Benzene	78	13.986	13.980	0.006	92	56332	0.3120		
	52 1,2-Dichloroethane	62		14.141						
	53 n-Heptane	43		14.269						
*	54 1,4-Difluorobenzene	114	14.751	14.745	0.006	92	2071911	10.0		
	56 Trichloroethene	95		15.206						
	58 1,2-Dichloropropane	63		15.730						
	59 Methyl methacrylate	69	15.826	15.810	0.016	90	16327	0.2864		
	60 1,4-Dioxane	88		15.901						
	62 Dichlorobromomethane	83		16.217						
	64 cis-1,3-Dichloropropene	75		17.083						
	65 4-Methyl-2-pentanone (MIBK)	43		17.319						
	66 Toluene	92	17.661	17.656	0.005	93	278683	2.12		
	70 trans-1,3-Dichloropropene	75		18.191						
	71 1,1,2-Trichloroethane	83		18.554						
	72 Tetrachloroethene	166		18.699						
	73 2-Hexanone	43		18.945						
	74 Chlorodibromomethane	129		19.314						
	75 Ethylene Dibromide	107		19.598						
S	82 Xylenes, Total	106				0		0.2026		7
*	76 Chlorobenzene-d5	117	20.443	20.443	0.0	82	1815913	10.0		
	77 Chlorobenzene	112		20.496						
	78 Ethylbenzene	91	20.619	20.614	0.005	80	16706	0.0543		
	80 m-Xylene & p-Xylene	106	20.828	20.833	-0.005	98	18284	0.1473		
	83 o-Xylene	106	21.550	21.545	0.005	84	6470	0.0552		
	84 Styrene	104		21.582						
	85 Bromoform	173		21.957						
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1127743	NC		
	88 1,1,2,2-Tetrachloroethane	83		22.668						
	90 N-Propylbenzene	91		22.743						
	91 4-Ethyltoluene	105		22.909						
	92 2-Chlorotoluene	91		22.941						
	94 1,3,5-Trimethylbenzene	105		23.000						
	96 tert-Butylbenzene	119		23.476						
	97 1,2,4-Trimethylbenzene	105		23.567						
	98 sec-Butylbenzene	105		23.808						
	99 4-Isopropyltoluene	119	24.016	24.011	0.005	82	38996	0.0909		
	100 1,3-Dichlorobenzene	146		24.081						
	101 1,4-Dichlorobenzene	146		24.225						
	102 Benzyl chloride	91		24.434						
	103 n-Butylbenzene	91		24.648						
	105 1,2-Dichlorobenzene	146		24.830						
	107 1,2,4-Trichlorobenzene	180		27.729						
	108 Hexachlorobutadiene	225		27.932						
	109 Naphthalene	128		28.312						

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

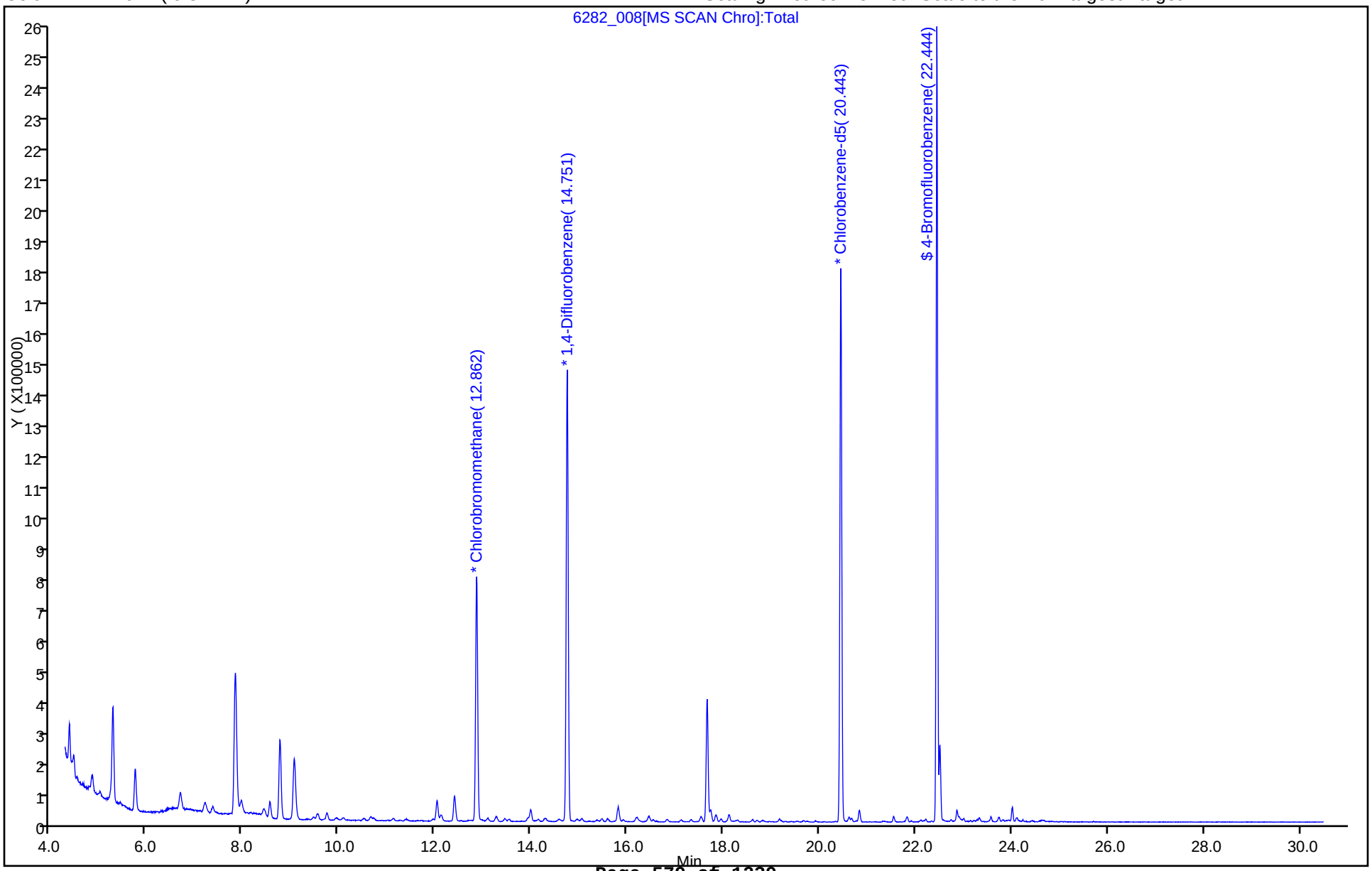
Report Date: 25-Feb-2014 09:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29	Worklist Smp#:	8
Client ID:	IA-VMP-8D				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



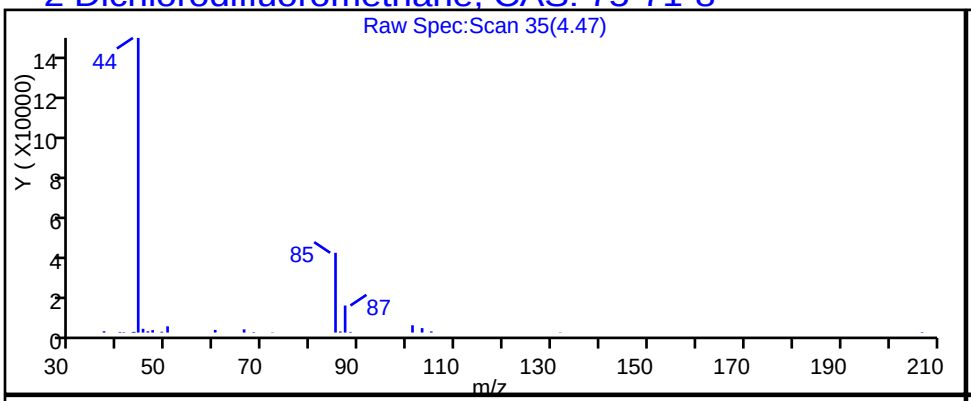
Report Date: 25-Feb-2014 09:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

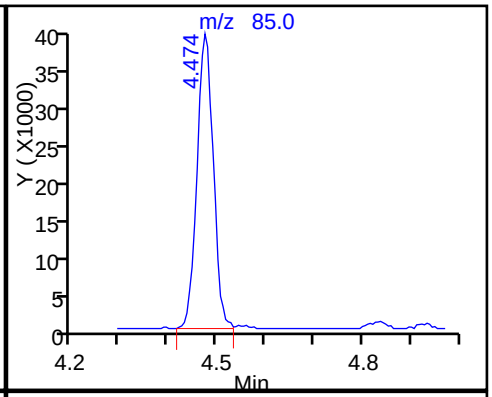
TestAmerica Burlington

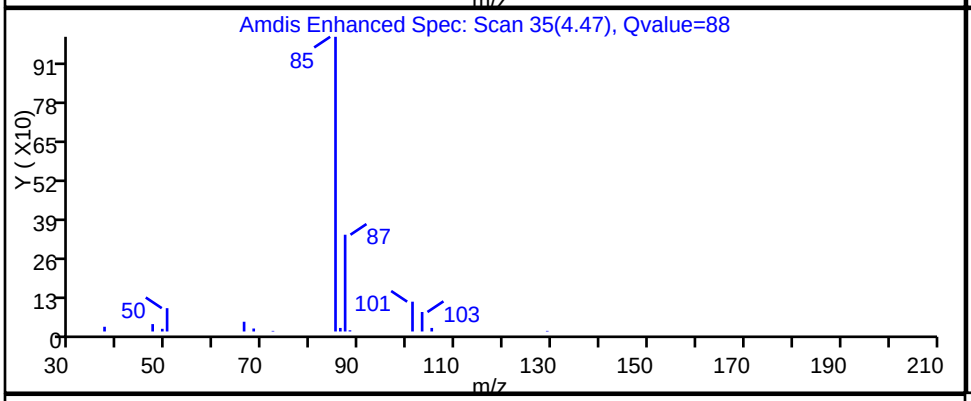
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

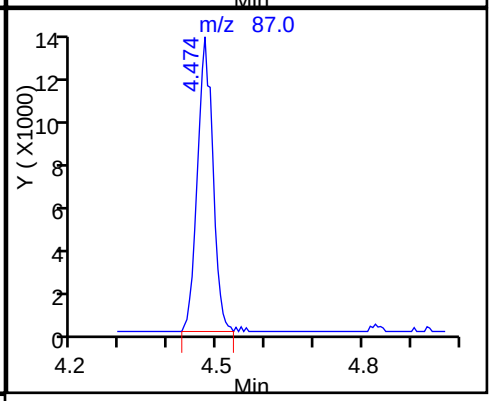
Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

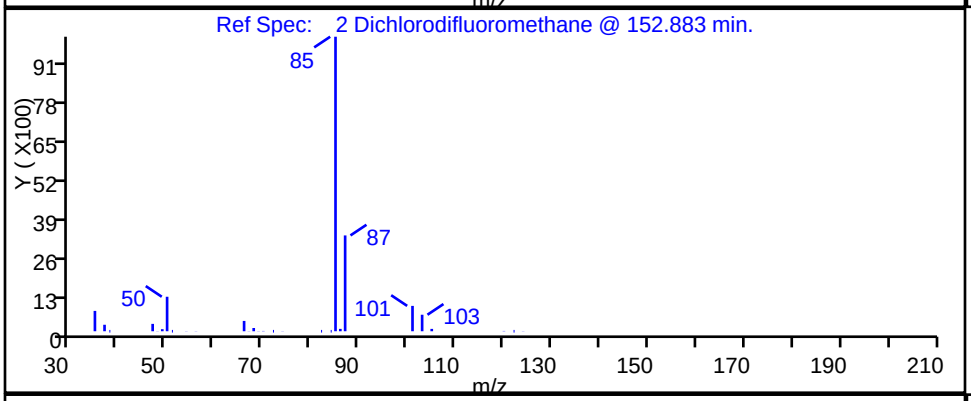
2 Dichlorodifluoromethane, CAS: 75-71-8

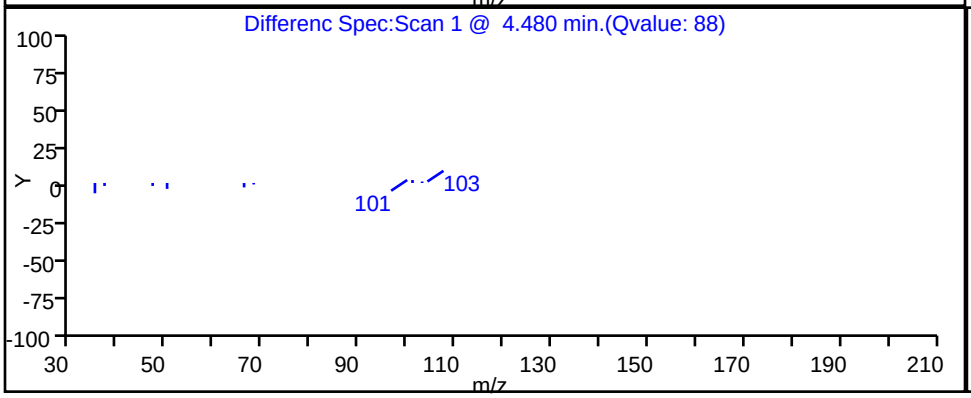


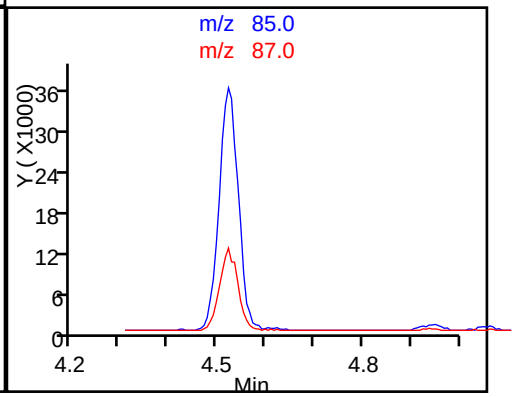












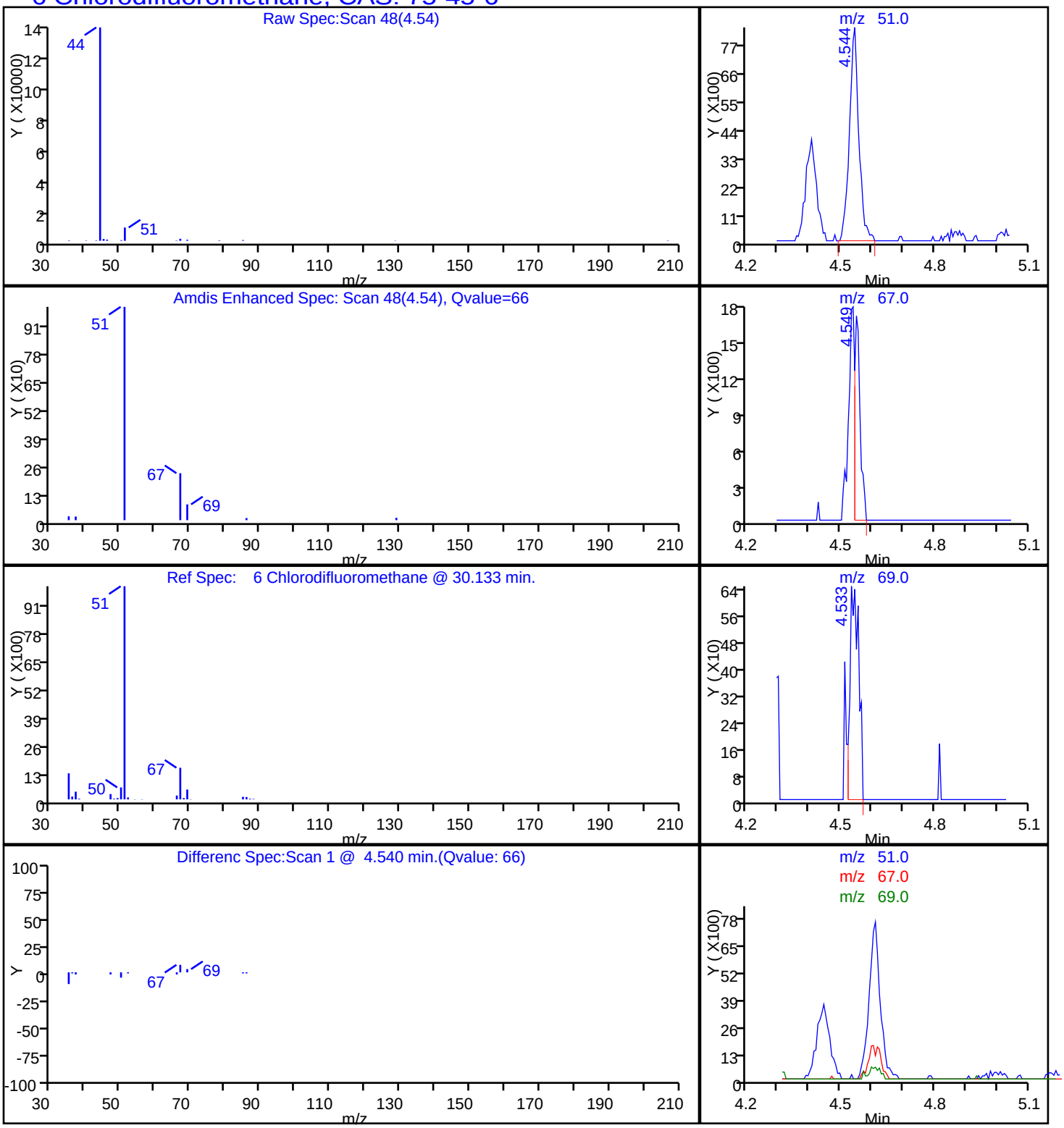
Report Date: 25-Feb-2014 09:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



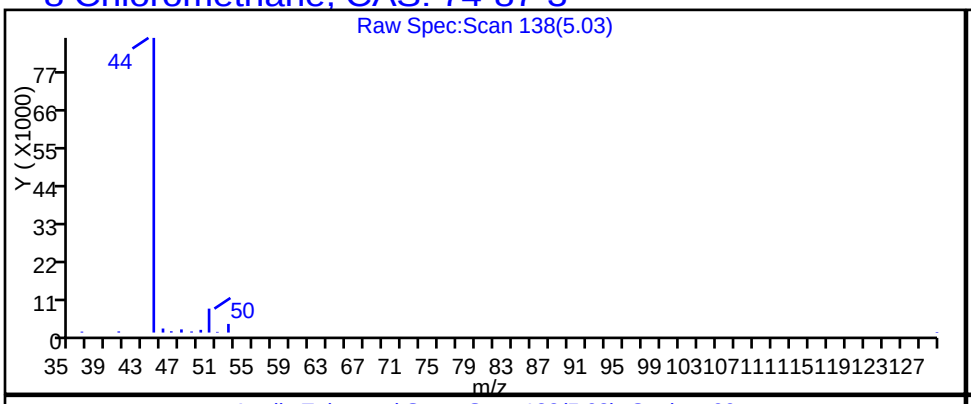
Report Date: 25-Feb-2014 09:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

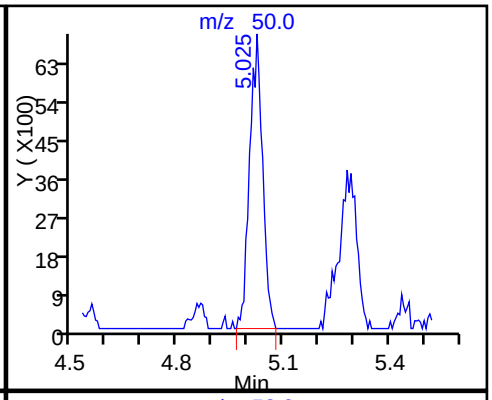
TestAmerica Burlington

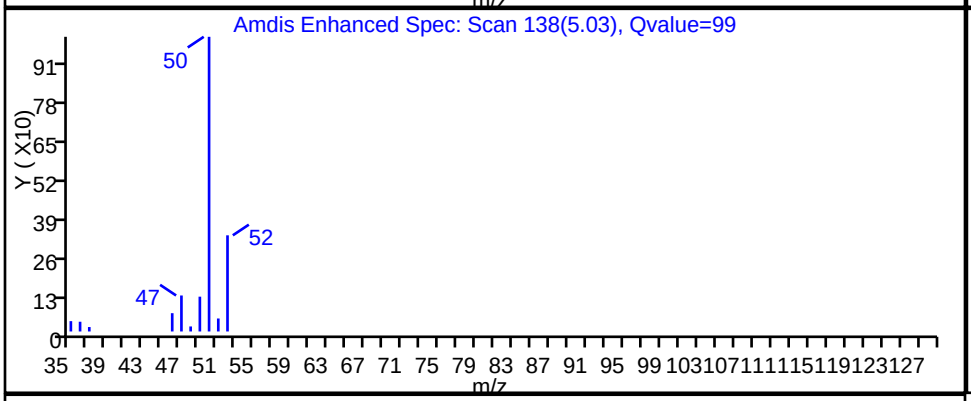
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

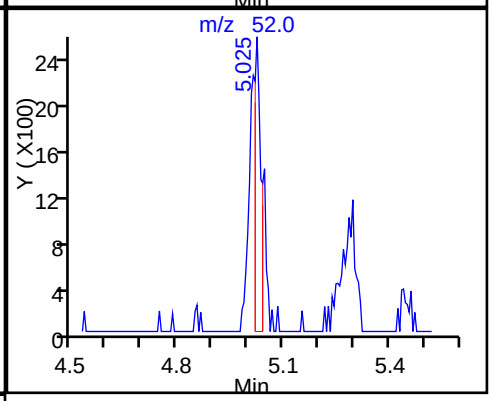
Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

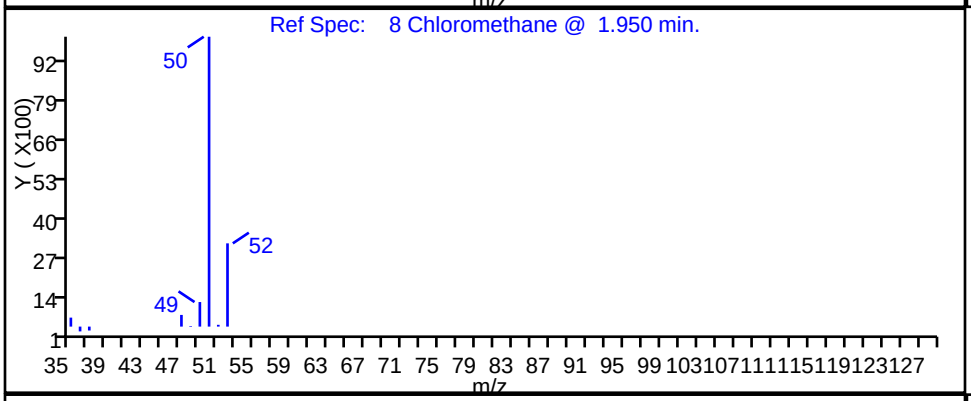
8 Chloromethane, CAS: 74-87-3

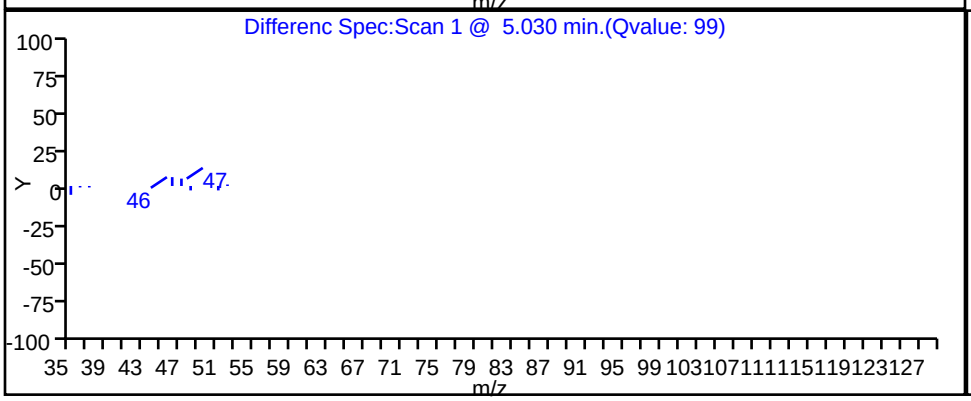


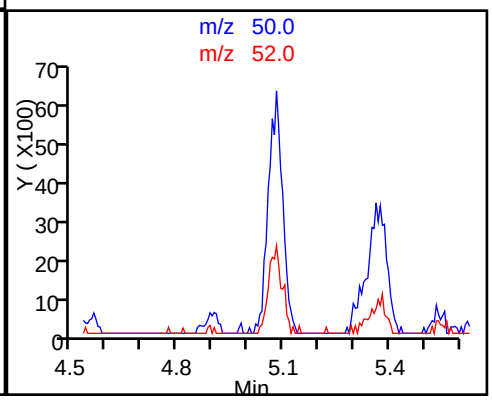












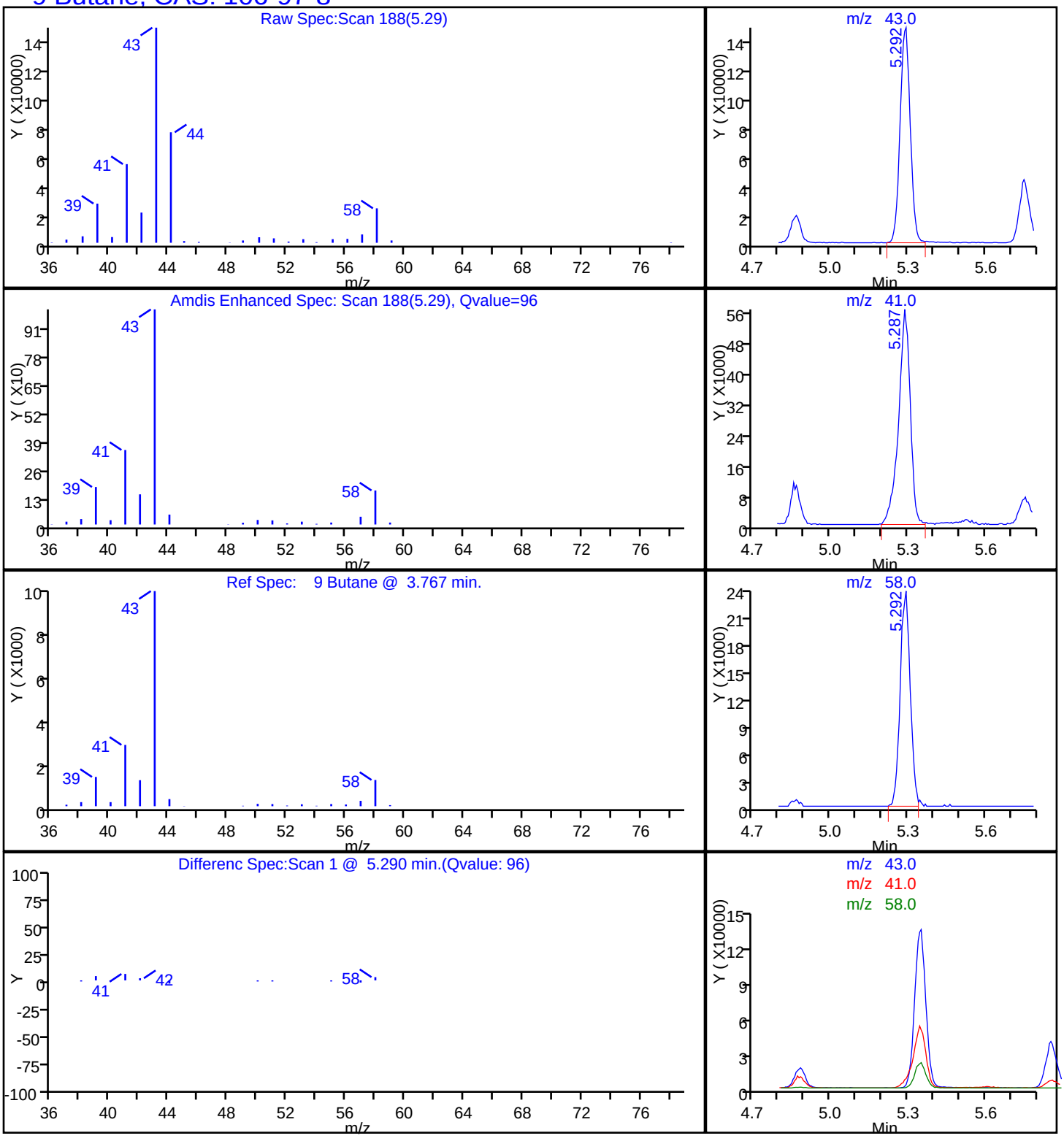
Report Date: 25-Feb-2014 09:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



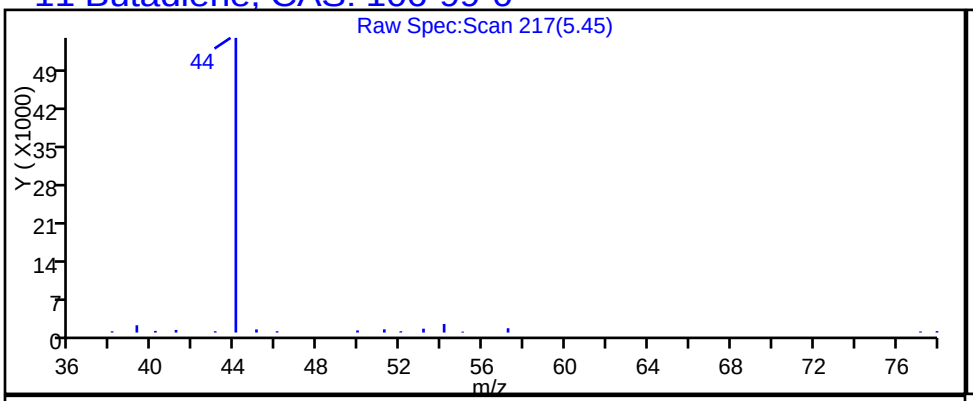
Report Date: 25-Feb-2014 09:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

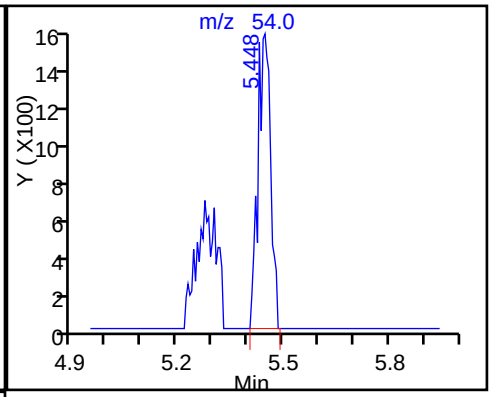
TestAmerica Burlington

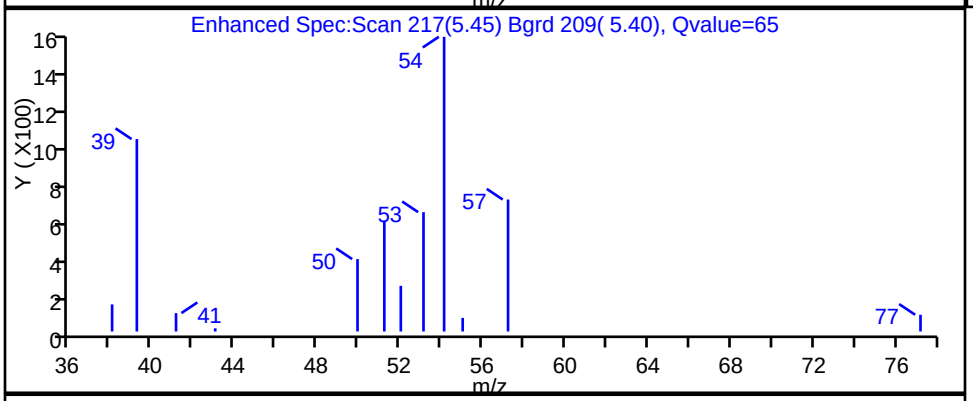
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

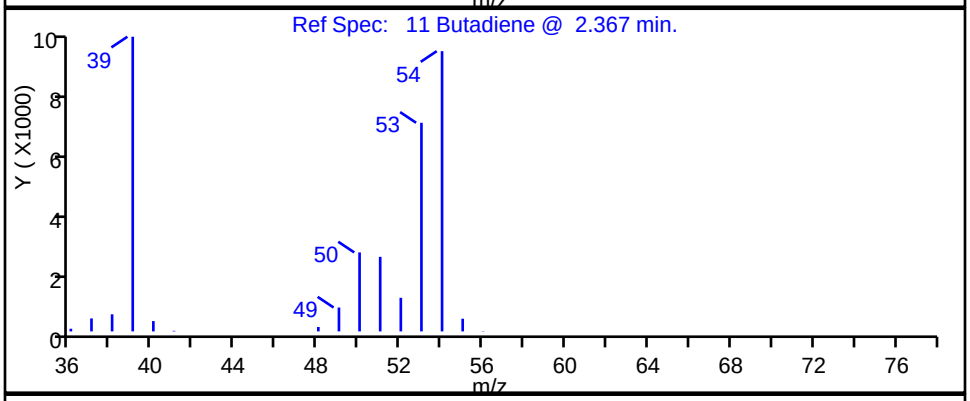
Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

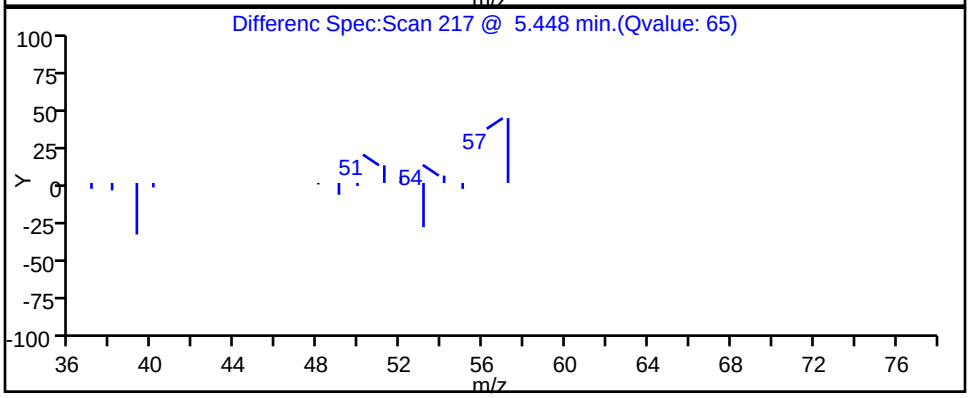
11 Butadiene, CAS: 106-99-0











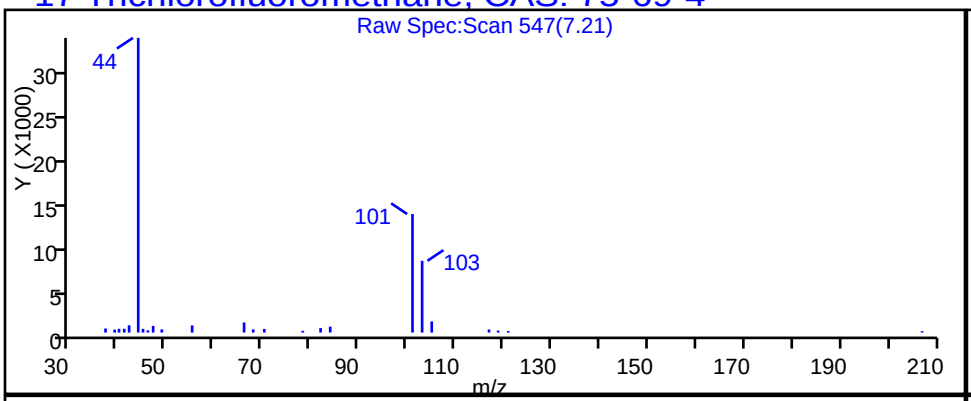
Report Date: 25-Feb-2014 09:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

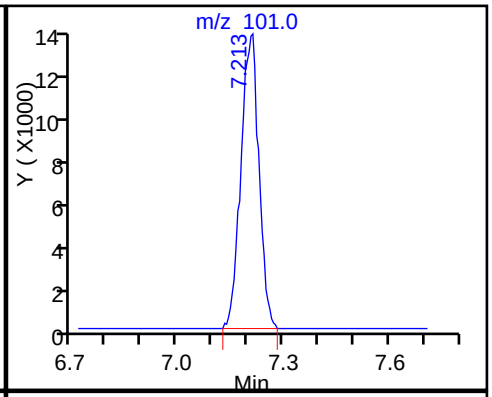
TestAmerica Burlington

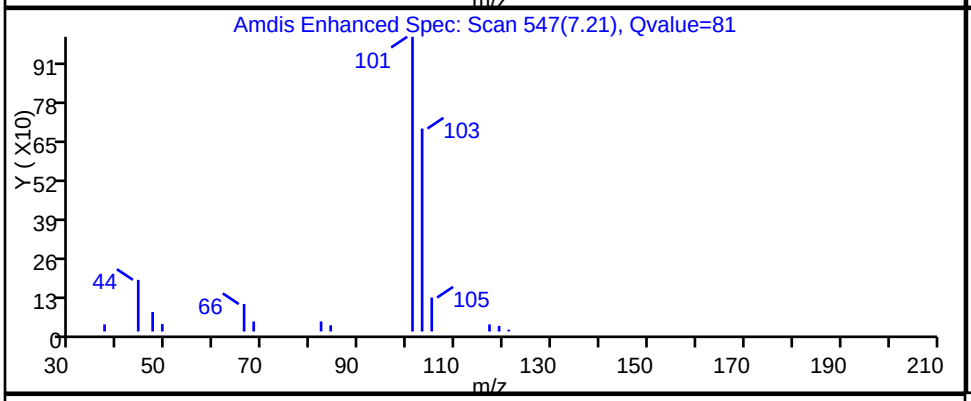
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

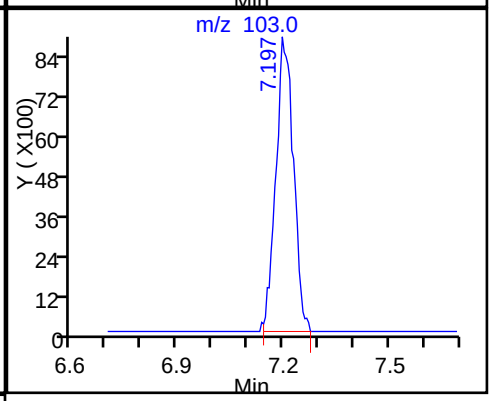
Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

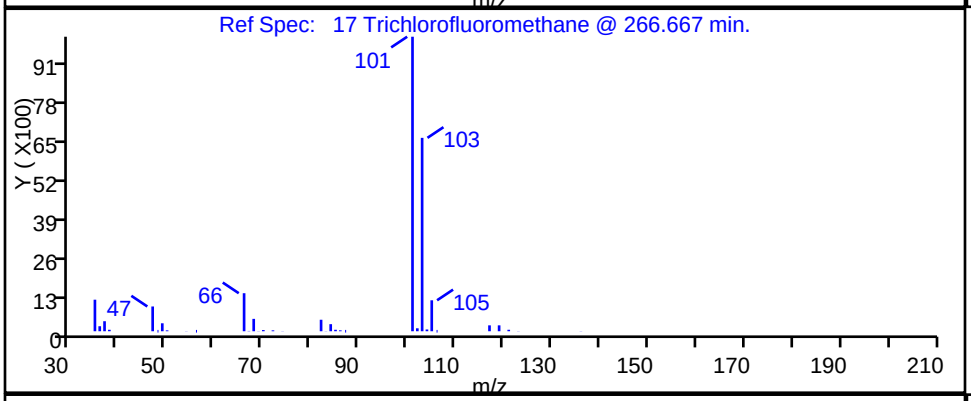
17 Trichlorofluoromethane, CAS: 75-69-4

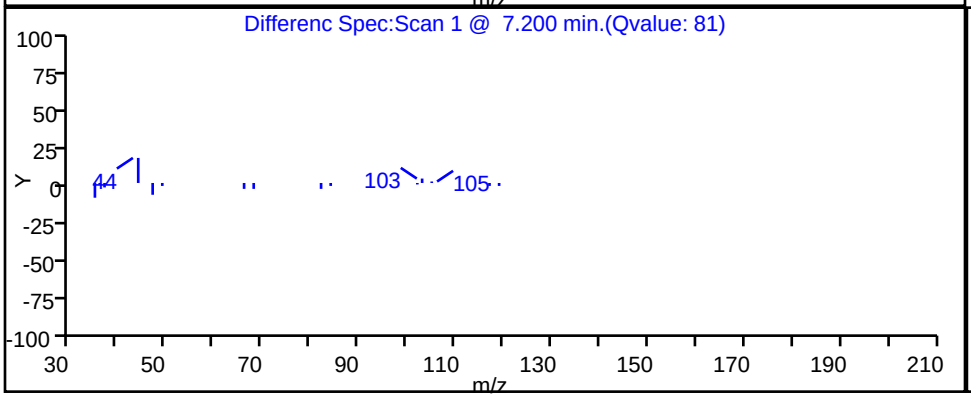


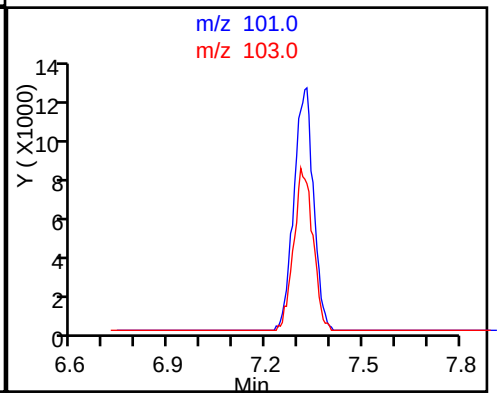












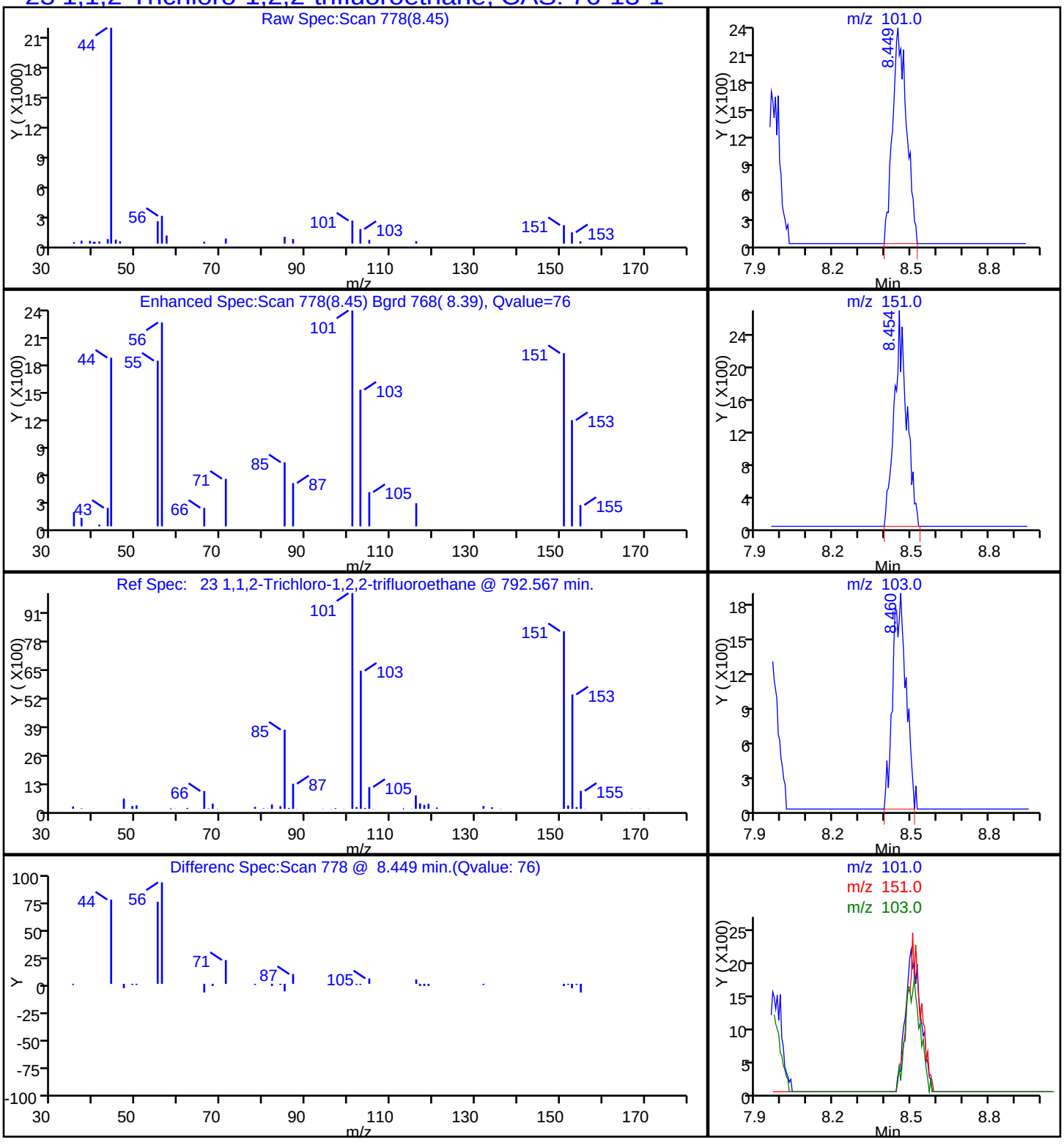
Report Date: 25-Feb-2014 09:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



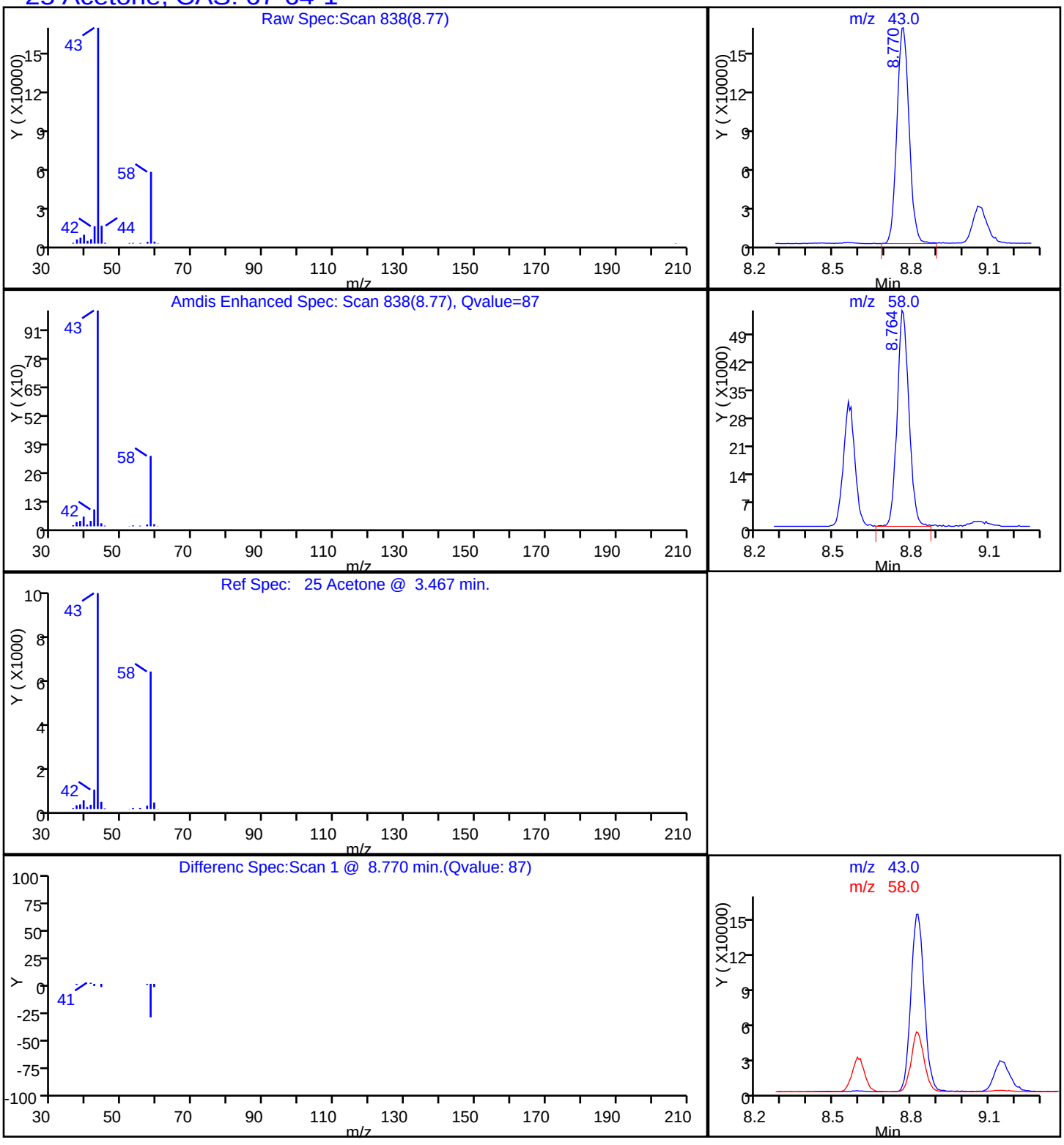
Report Date: 25-Feb-2014 09:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



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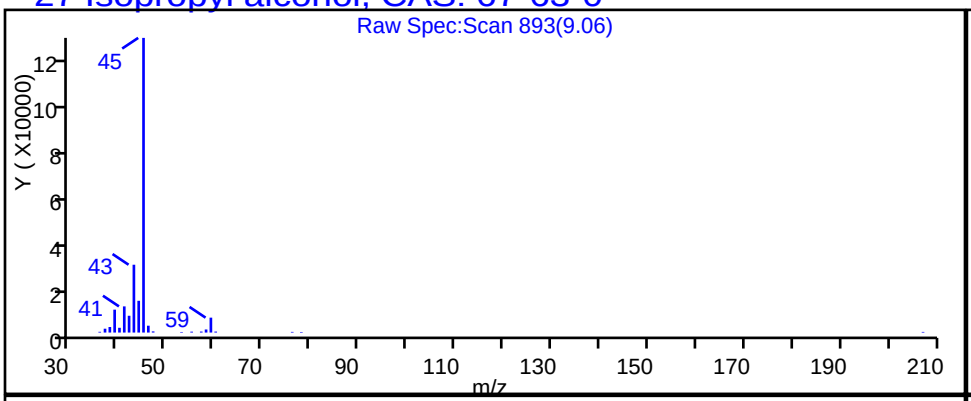
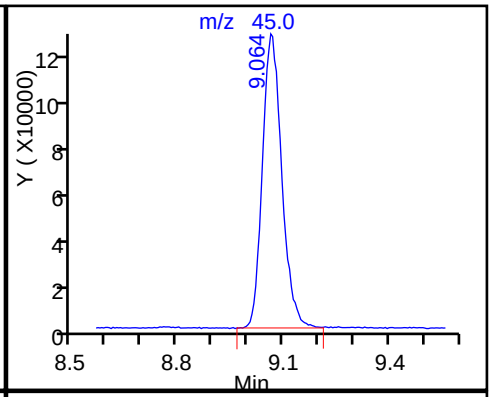
TestAmerica Burlington

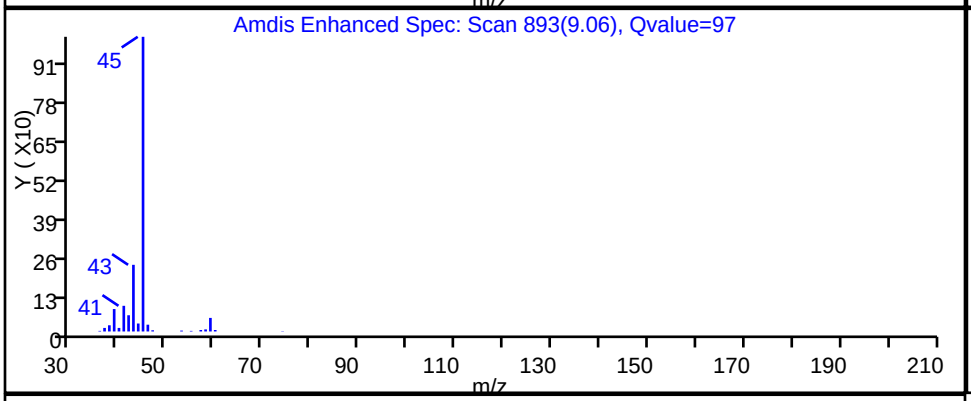
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

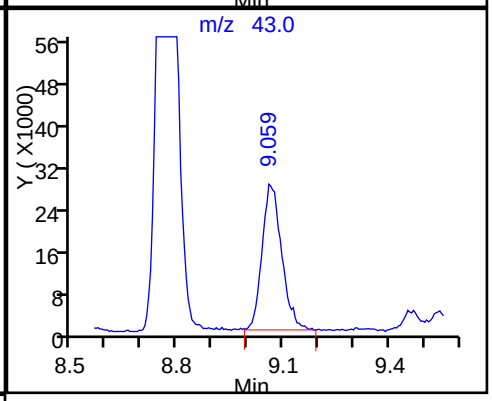
Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29
Client ID:	IA-VMP-8D		
Operator ID:	bl	ALS Bottle#:	7 Worklist Smp#: 8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

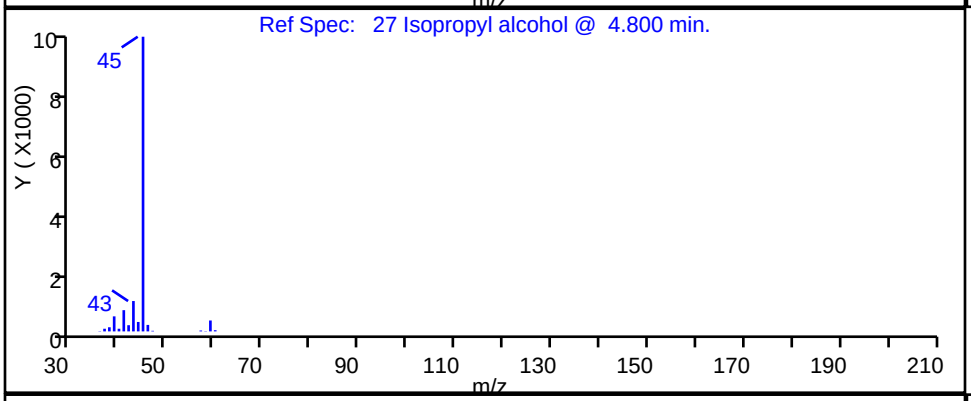
27 Isopropyl alcohol, CAS: 67-63-0

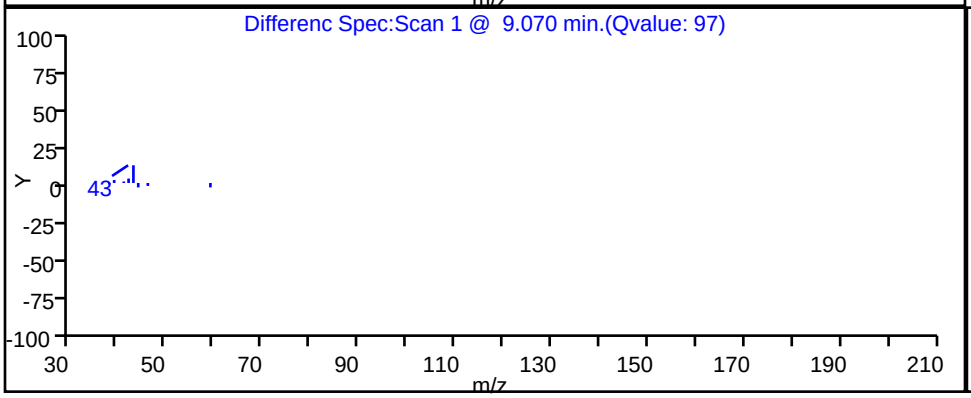


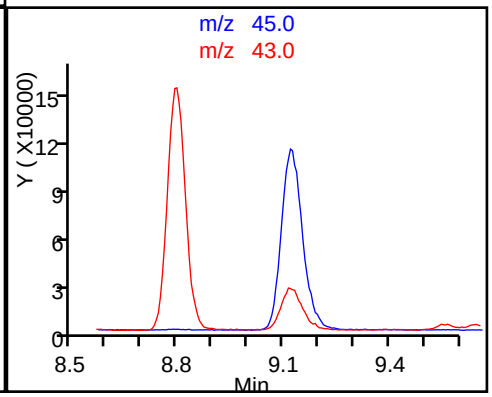












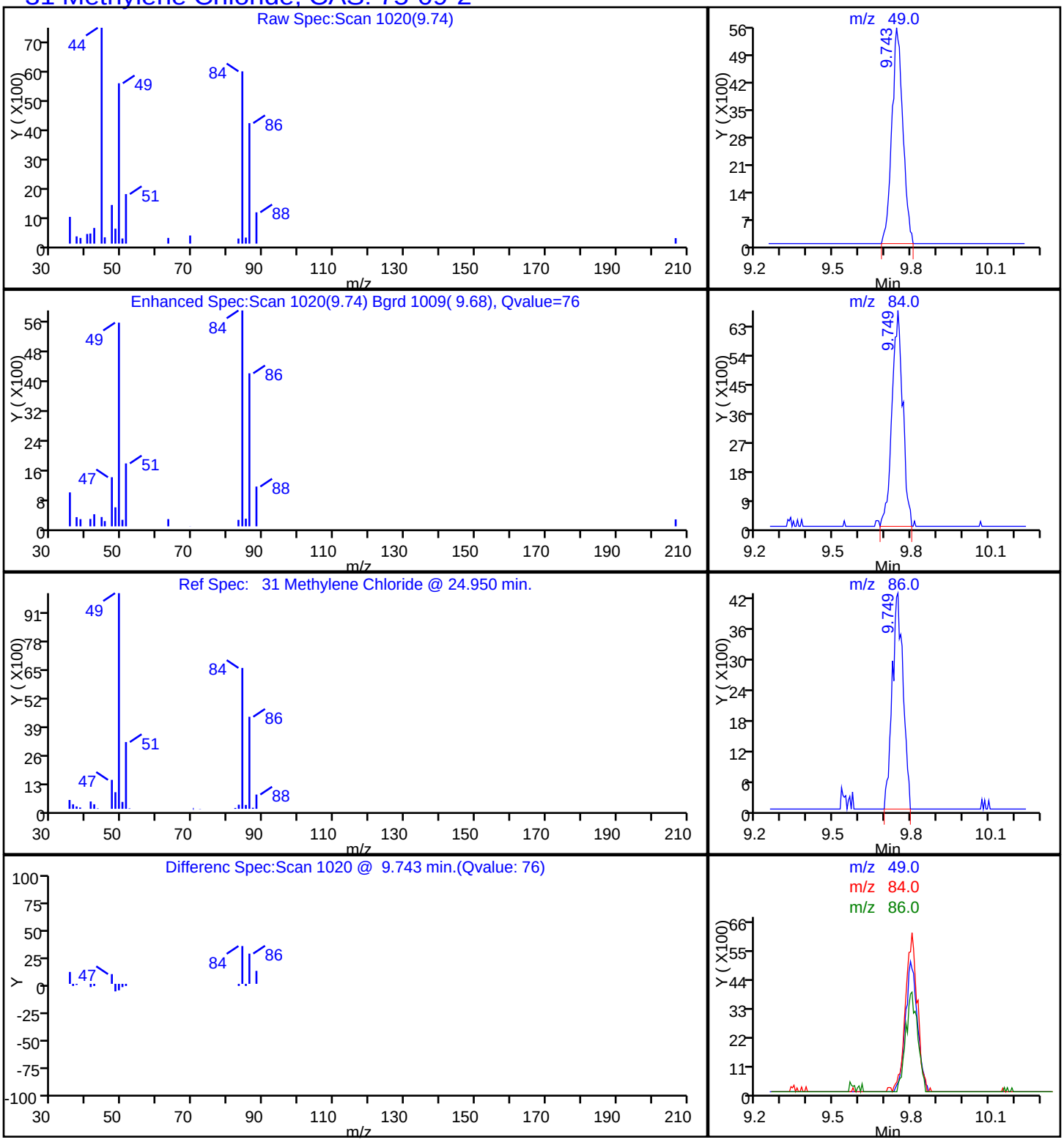
Report Date: 25-Feb-2014 09:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



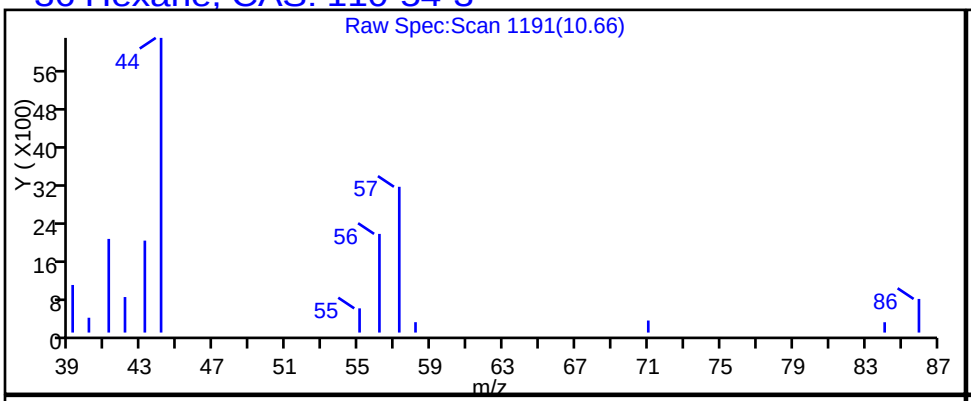
Report Date: 25-Feb-2014 09:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

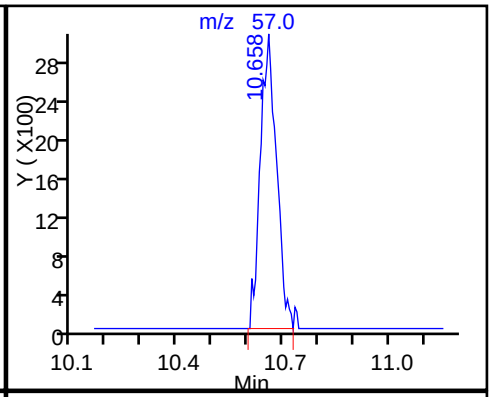
TestAmerica Burlington

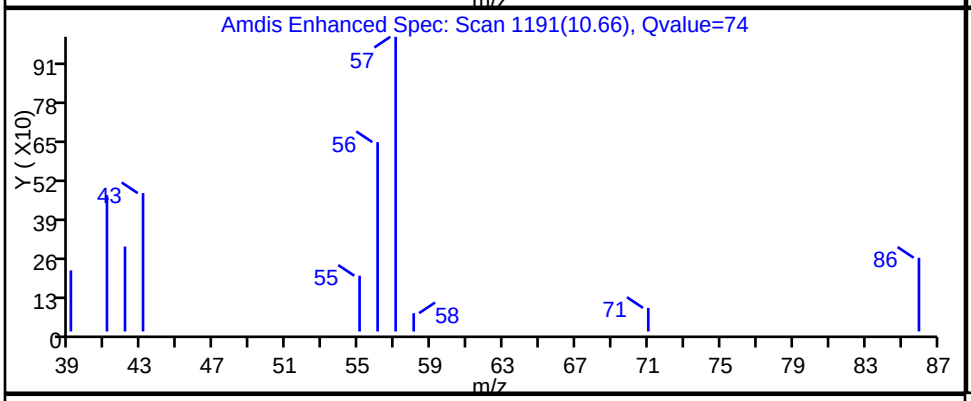
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

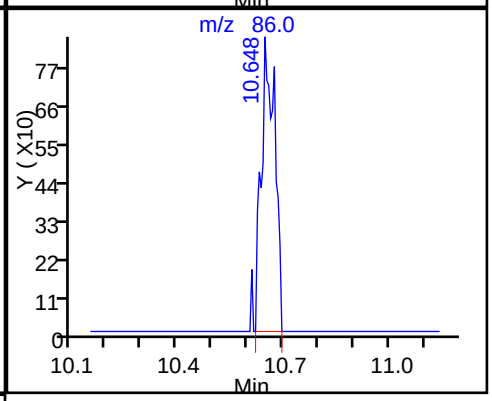
Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

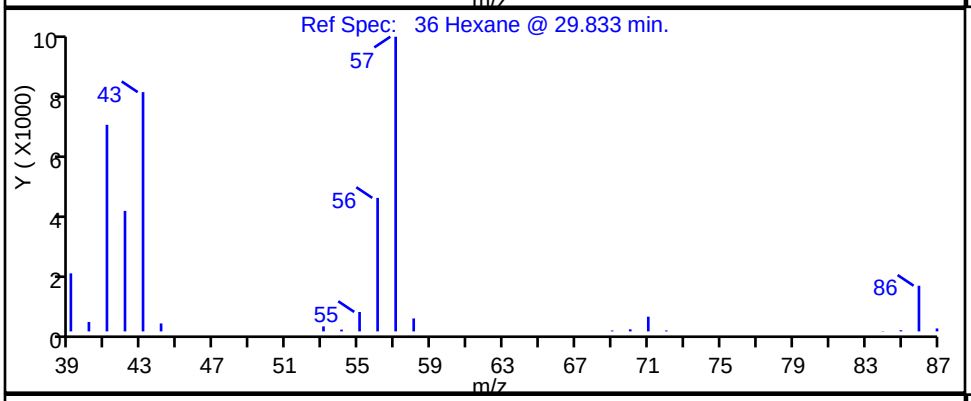
36 Hexane, CAS: 110-54-3

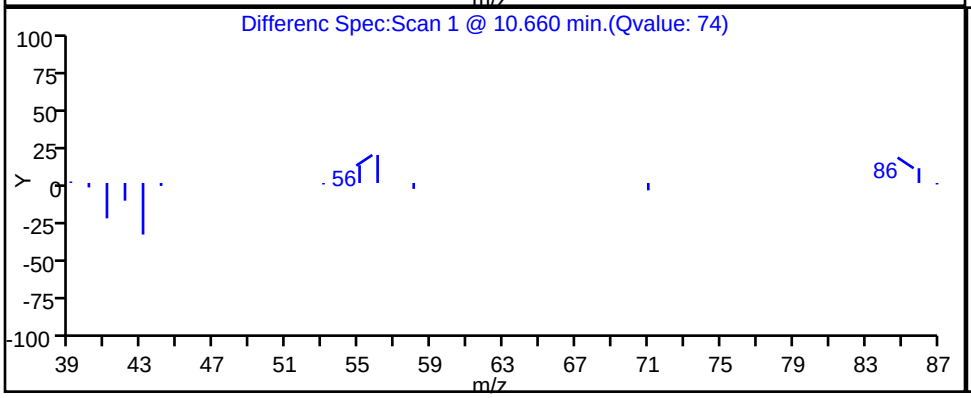


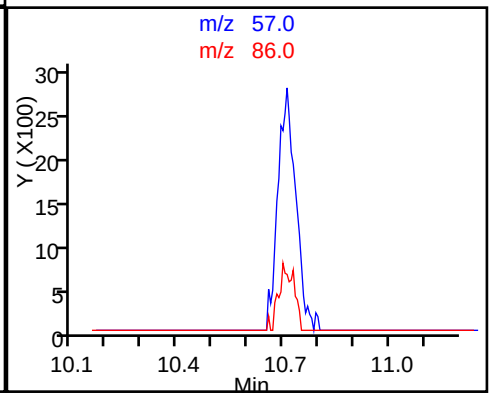












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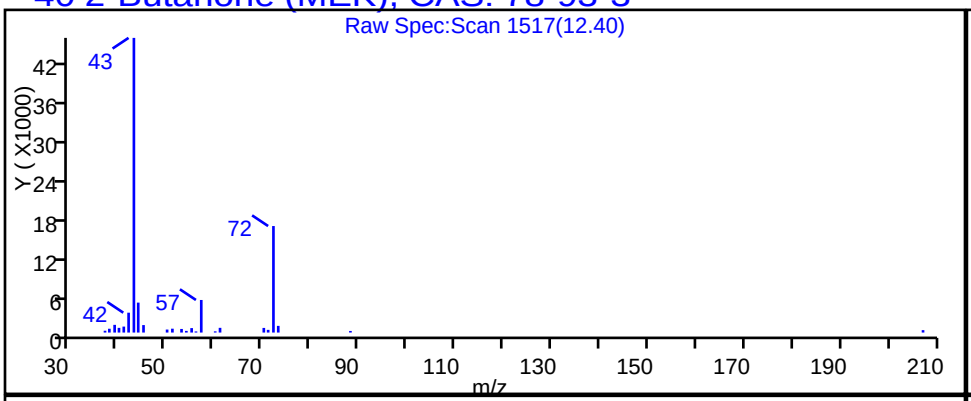
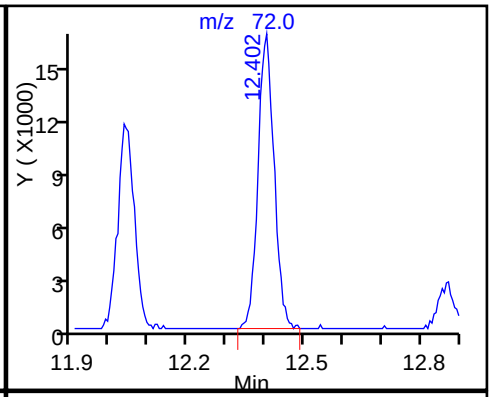
TestAmerica Burlington

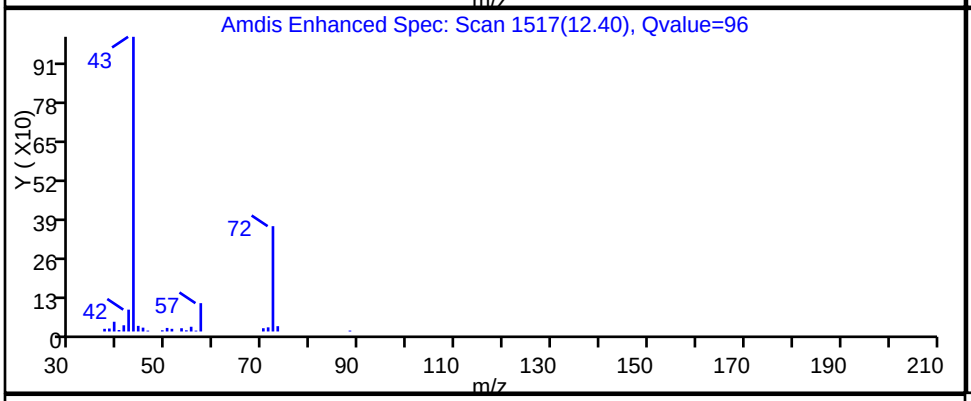
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

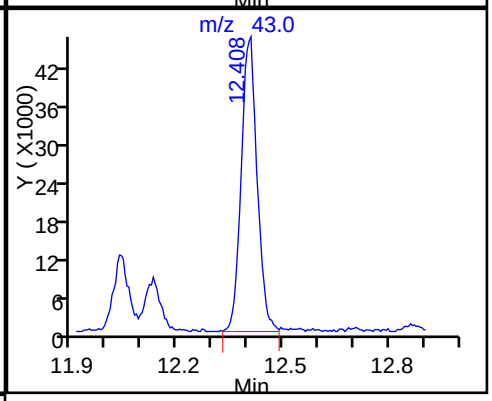
Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

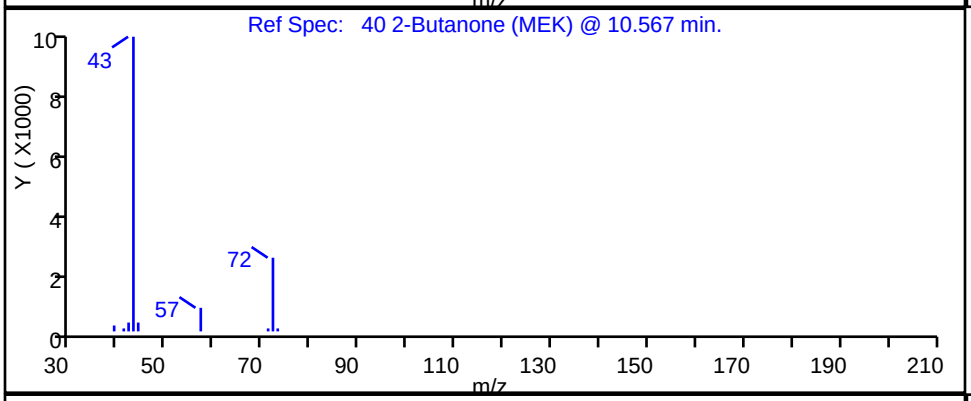
40 2-Butanone (MEK), CAS: 78-93-3

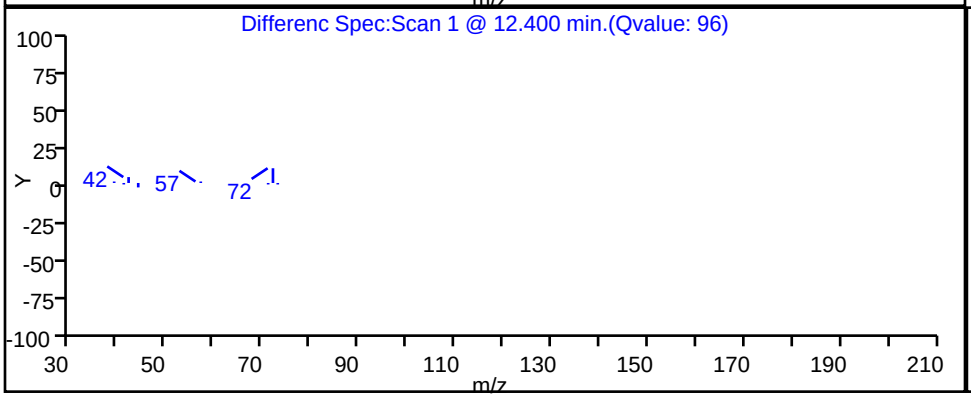


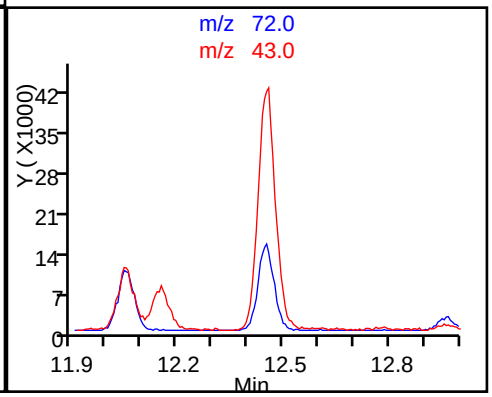












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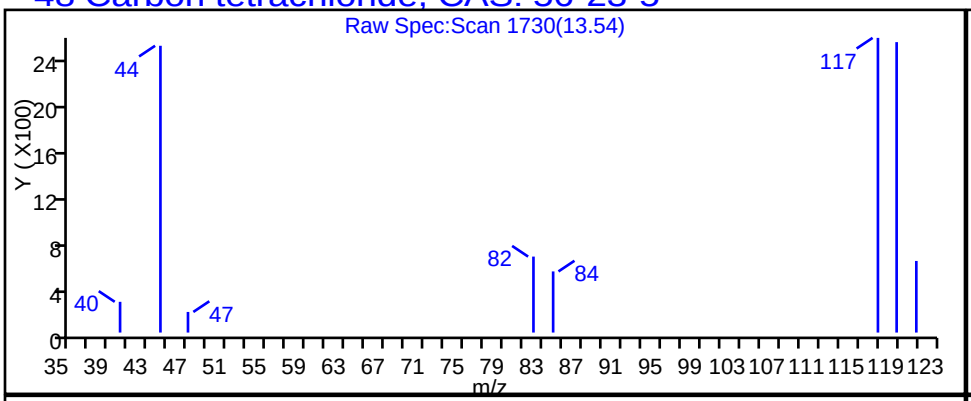
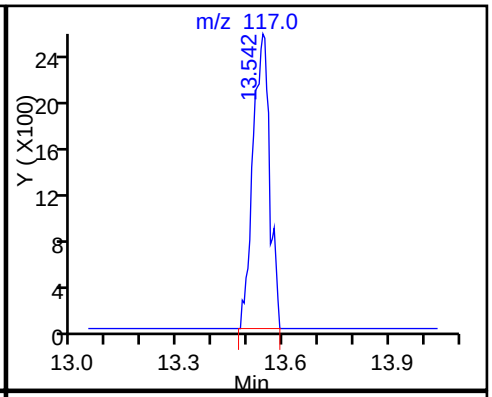
TestAmerica Burlington

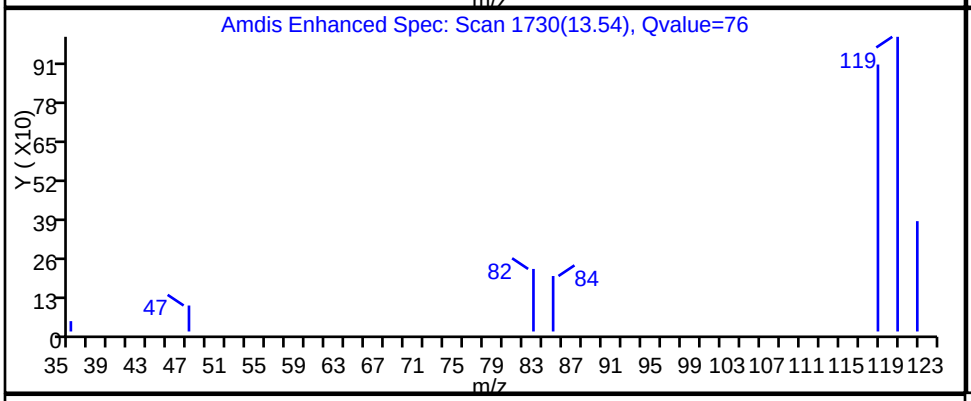
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

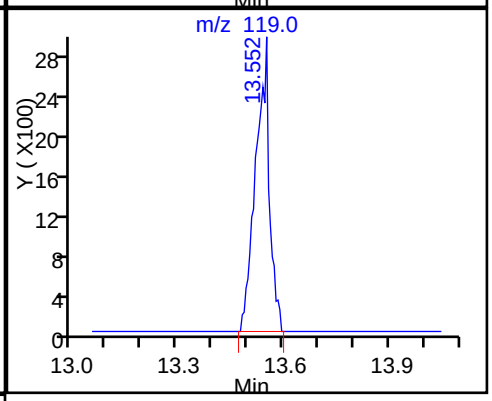
Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

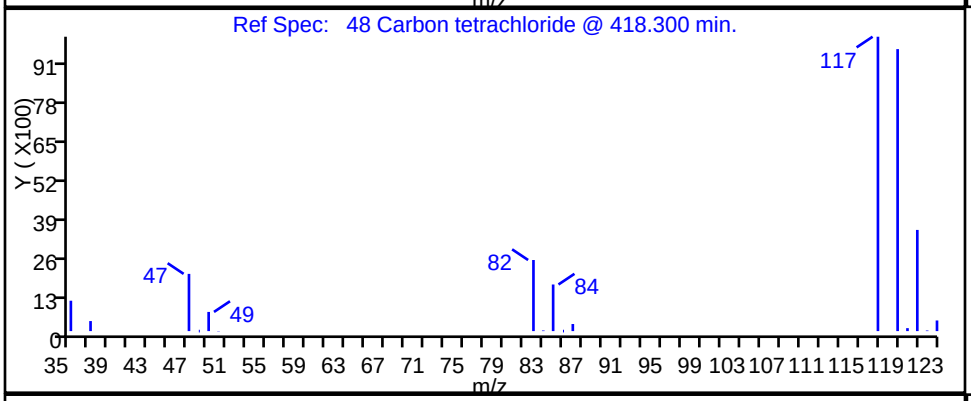
48 Carbon tetrachloride, CAS: 56-23-5

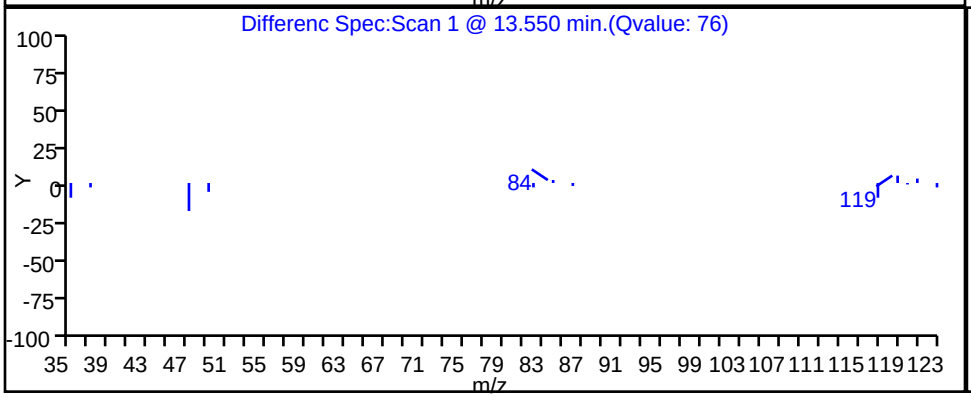


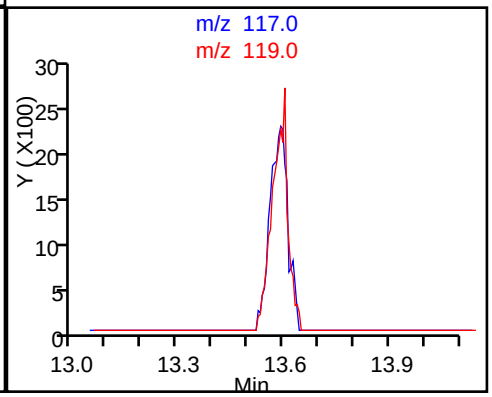












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TestAmerica Burlington

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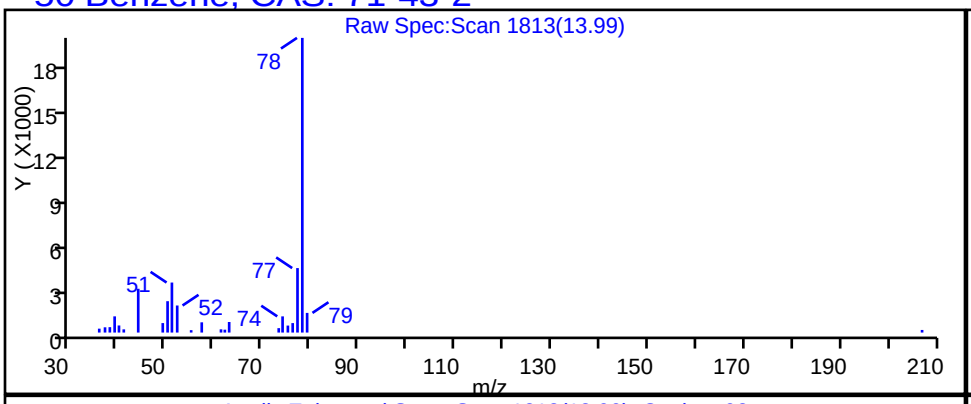
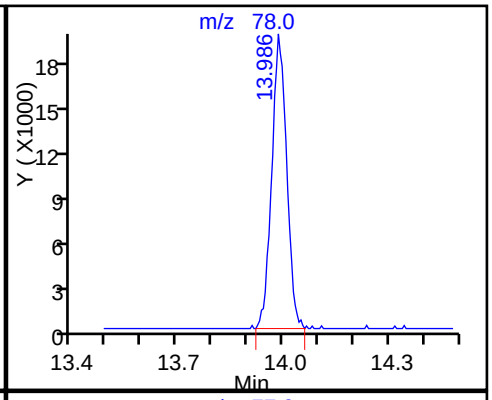
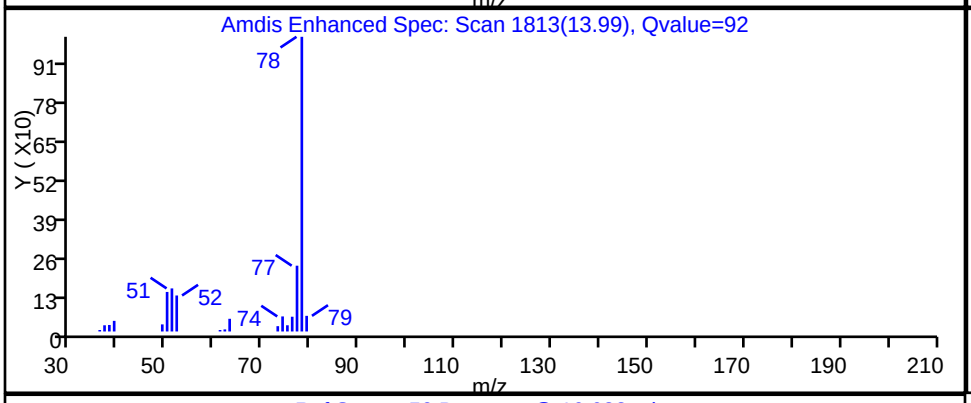
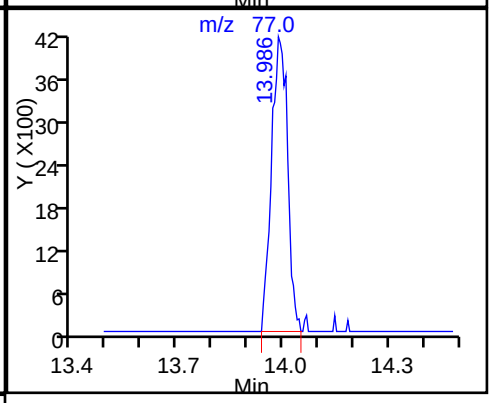
Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

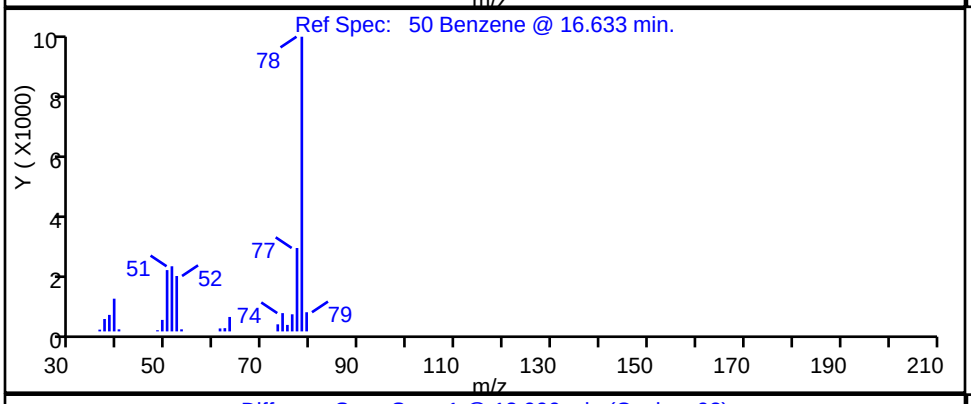
50 Benzene, CAS: 71-43-2

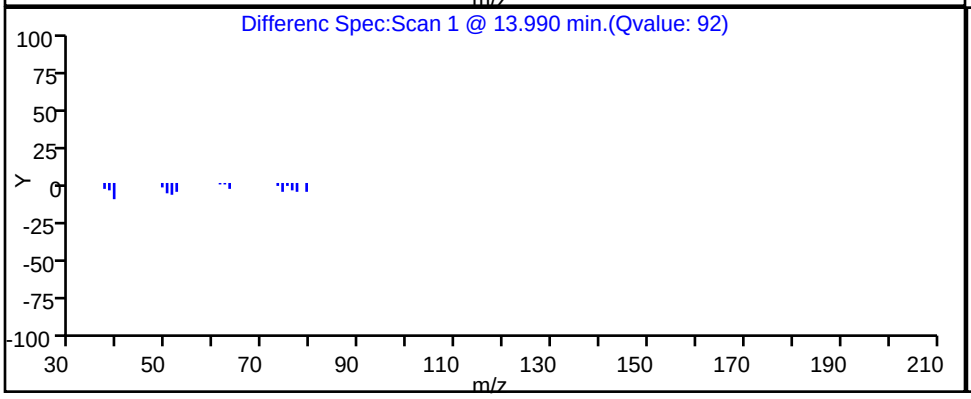


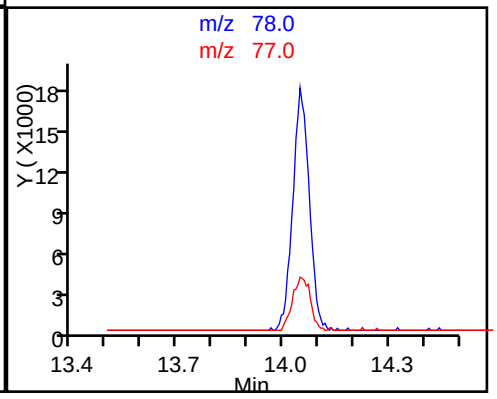












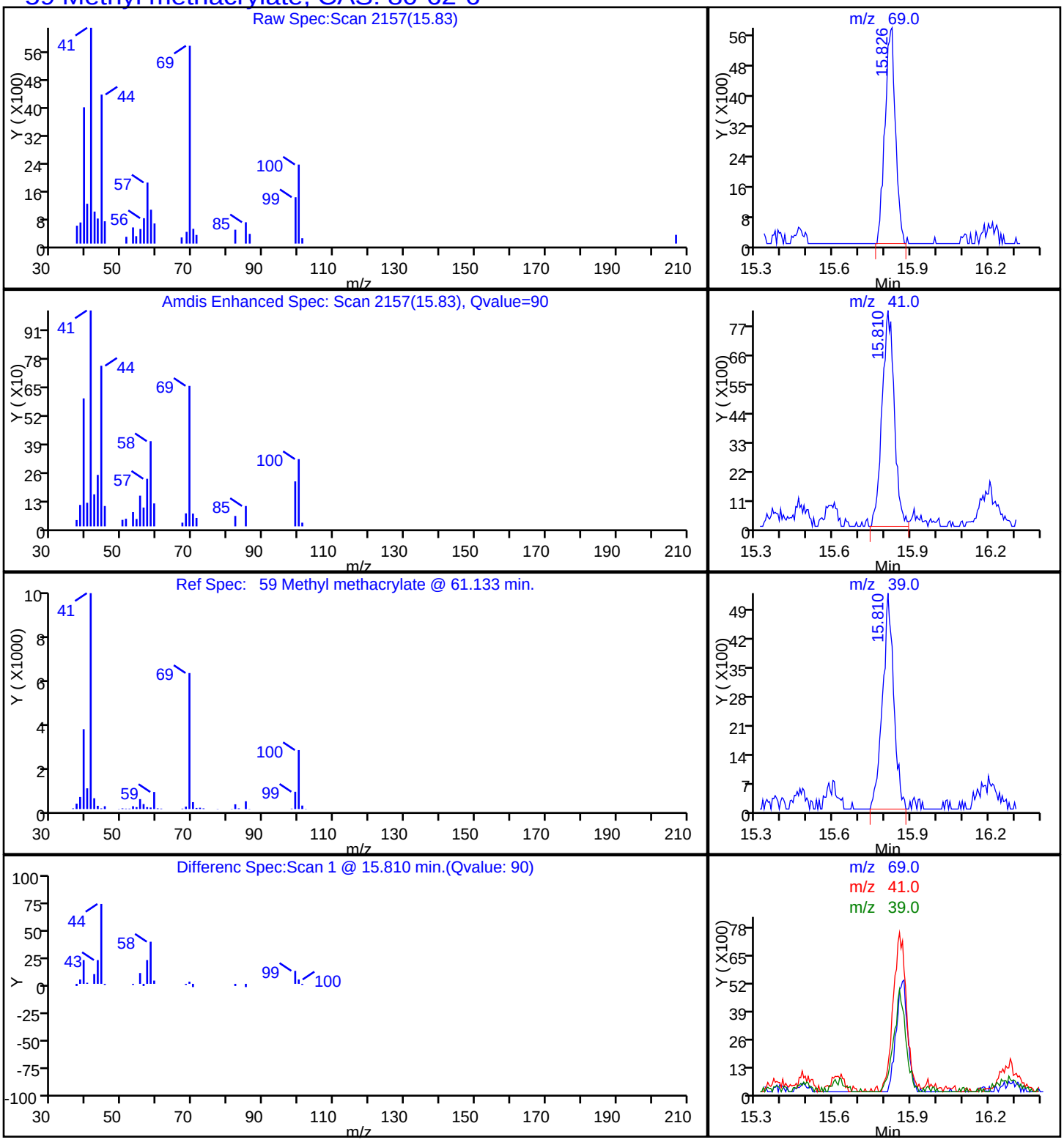
Report Date: 25-Feb-2014 09:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

59 Methyl methacrylate, CAS: 80-62-6

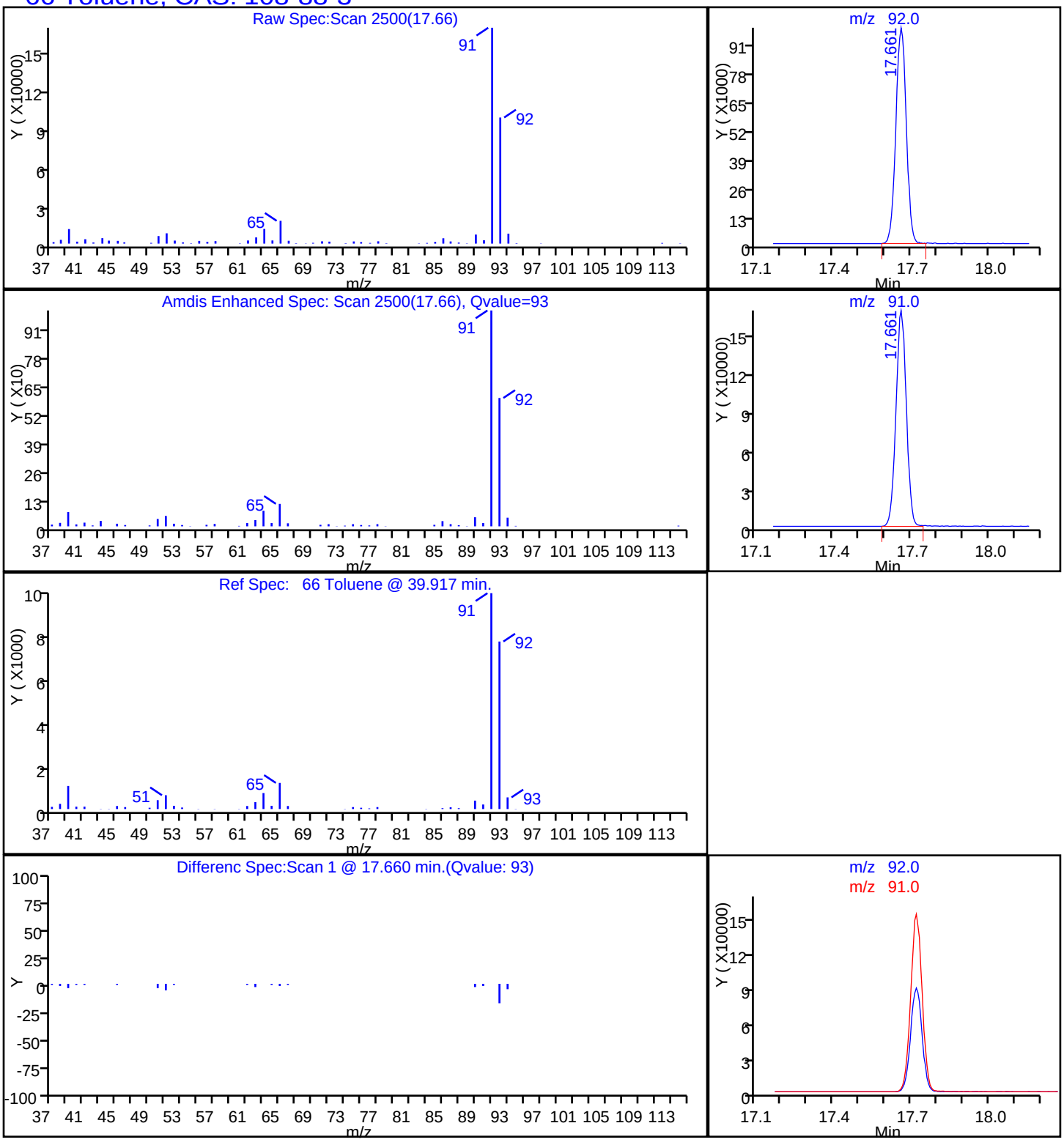


Report Date: 25-Feb-2014 09:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d				
Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



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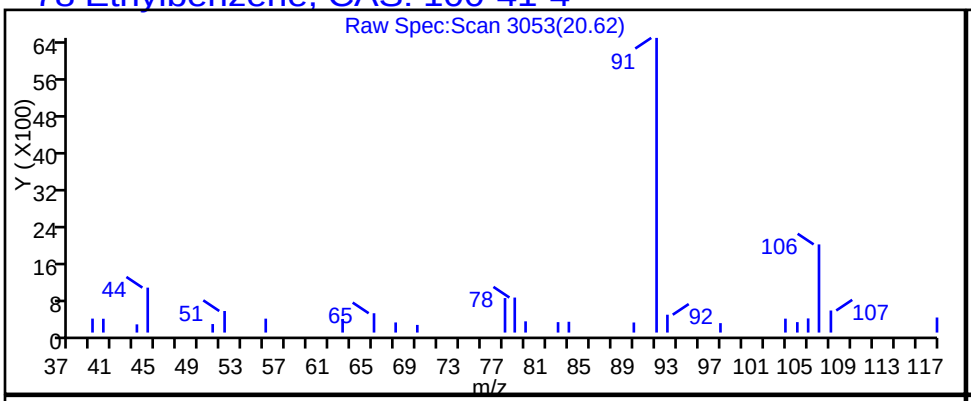
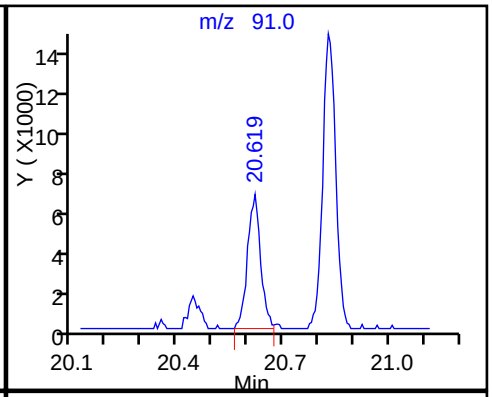
TestAmerica Burlington

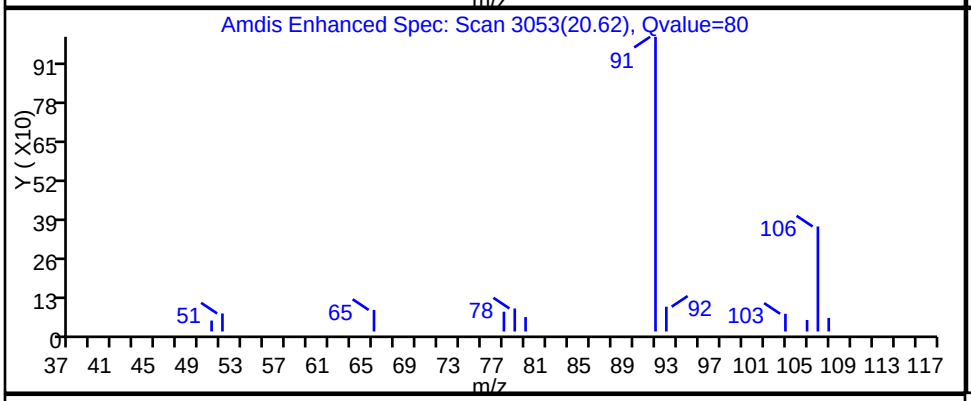
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

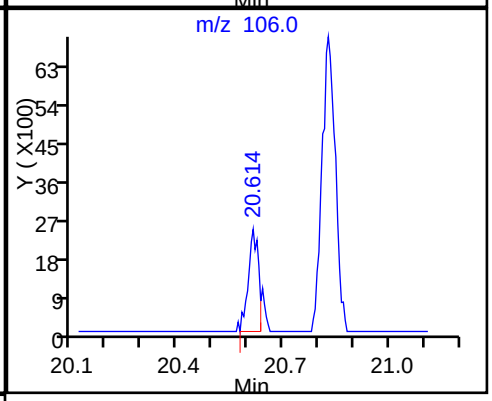
Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

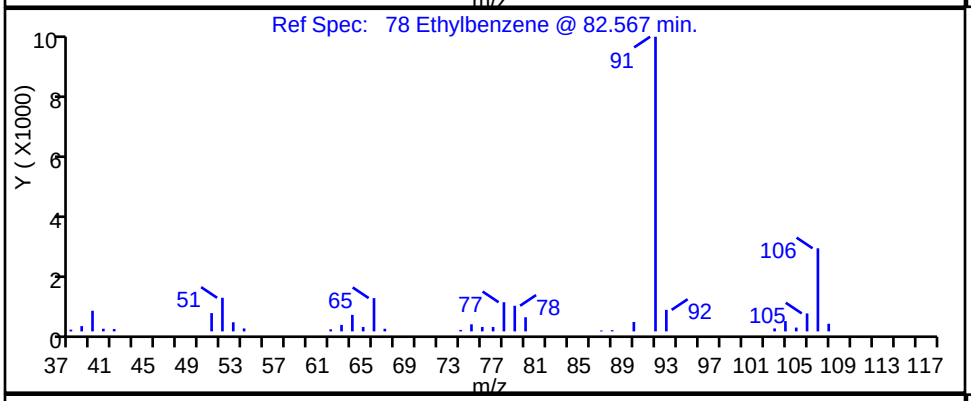
78 Ethylbenzene, CAS: 100-41-4

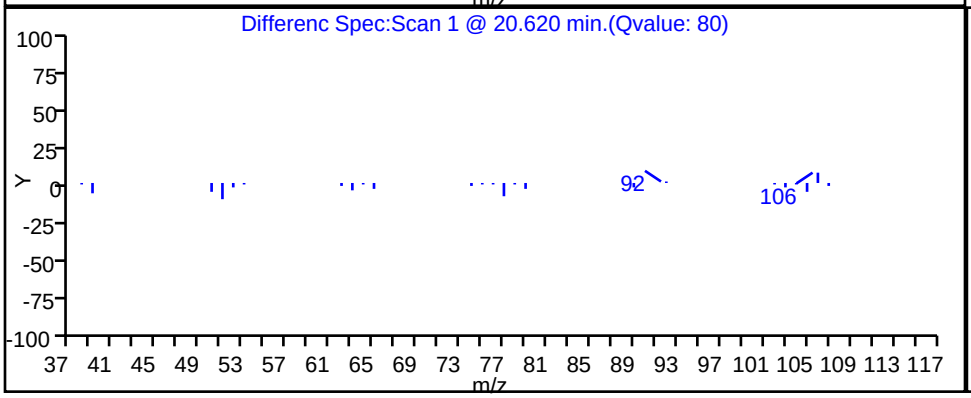


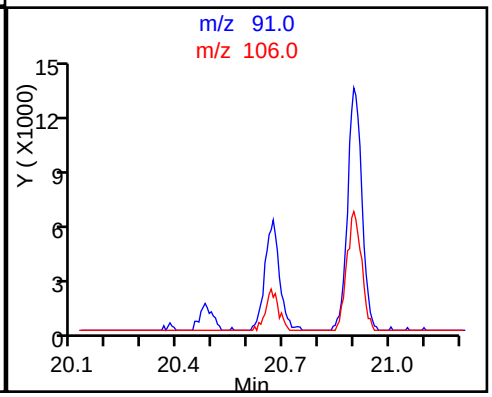












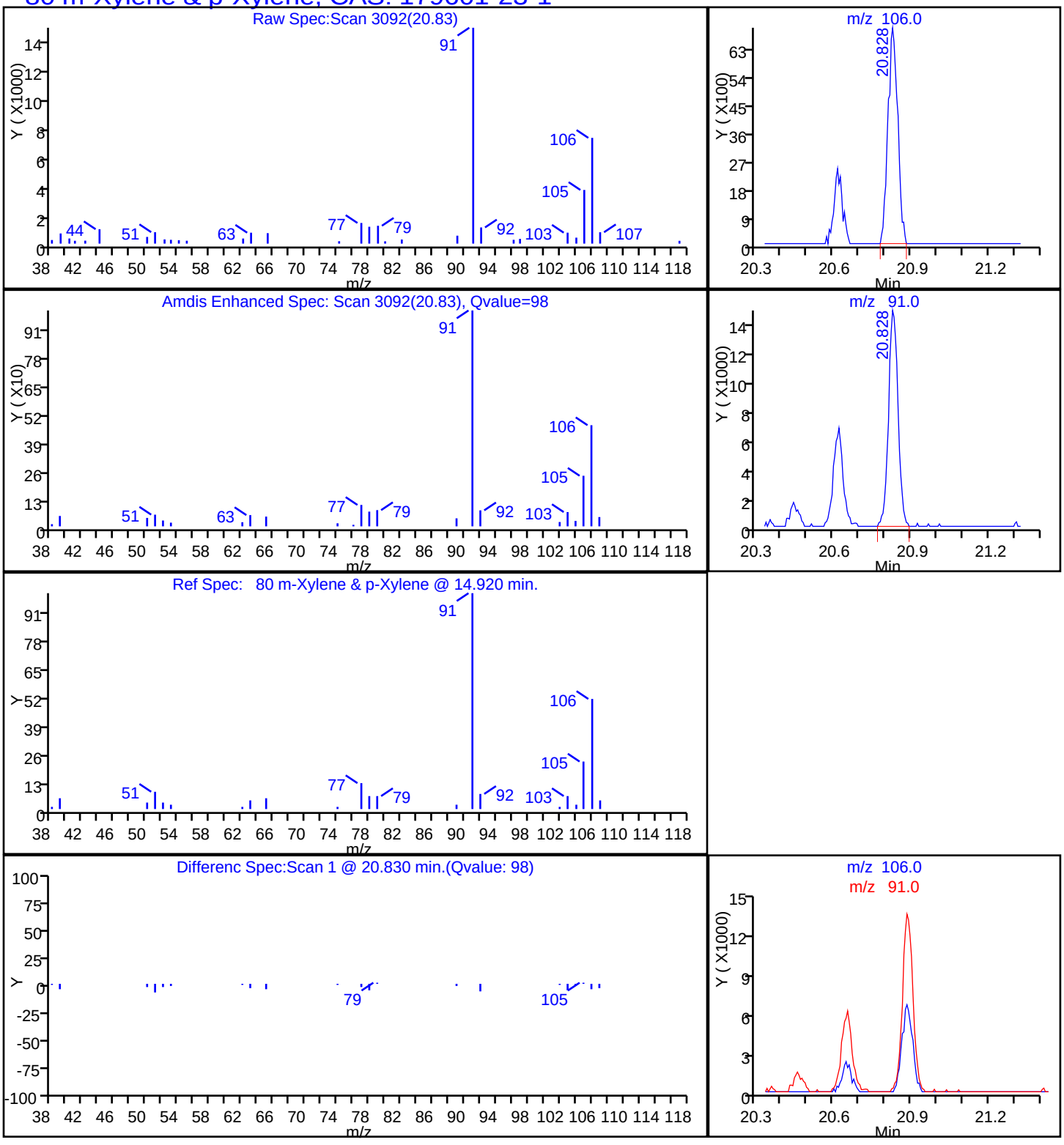
Report Date: 25-Feb-2014 09:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



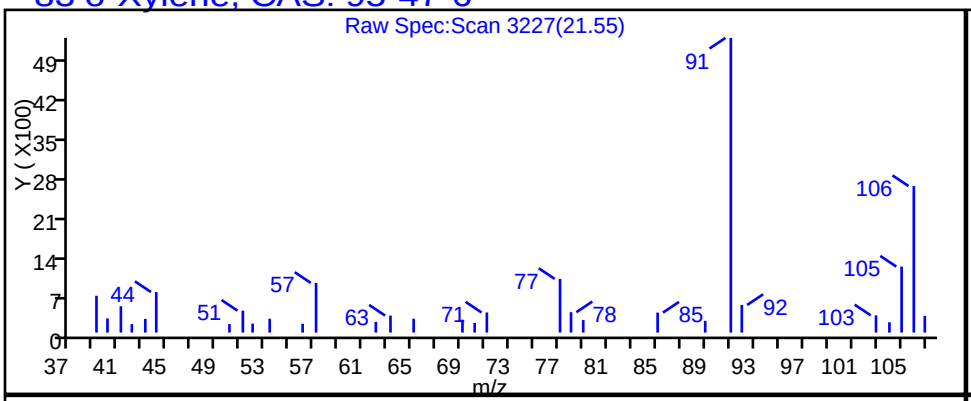
Report Date: 25-Feb-2014 09:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

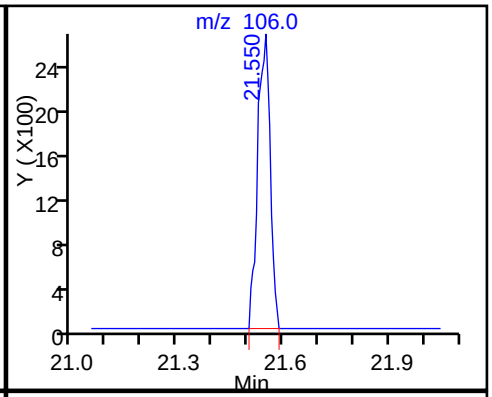
TestAmerica Burlington

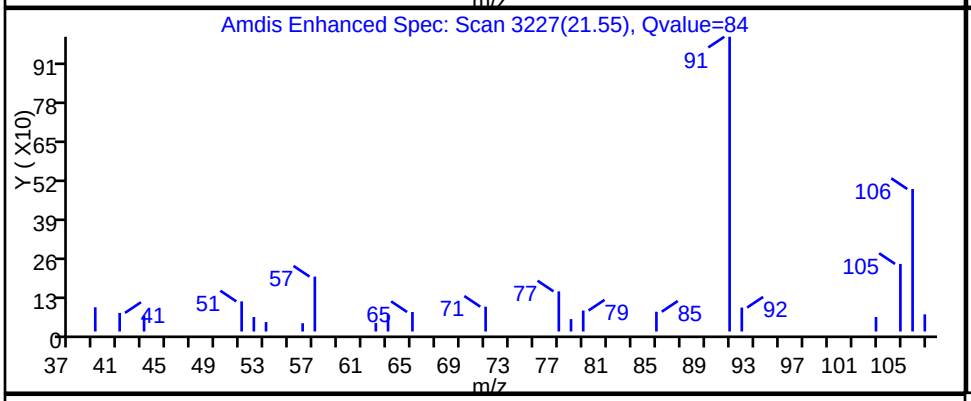
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

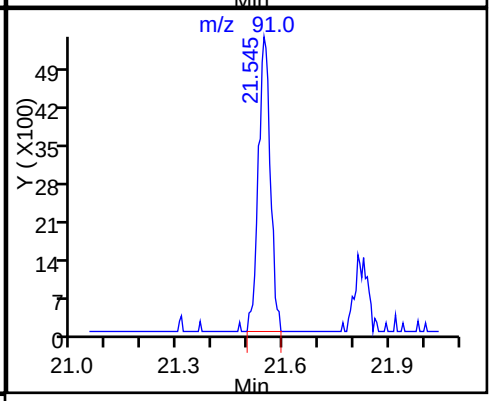
Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

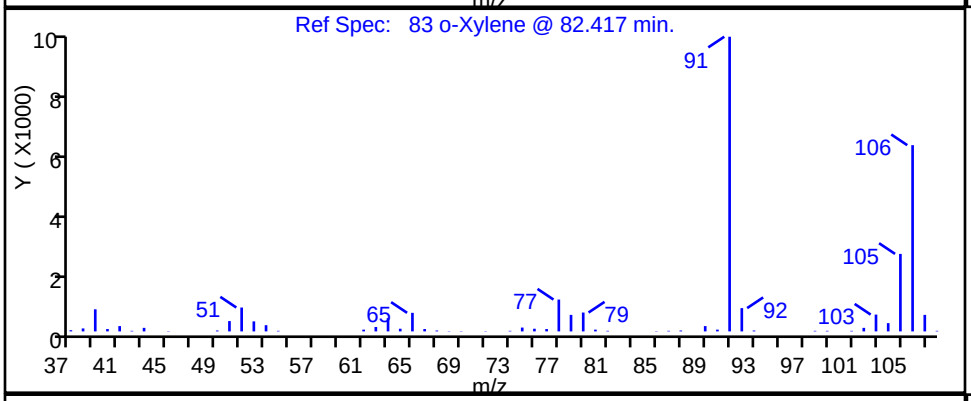
83 o-Xylene, CAS: 95-47-6

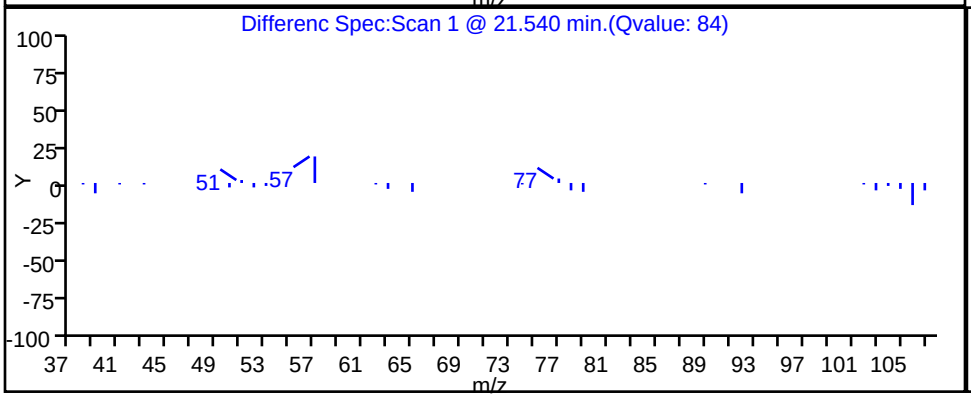


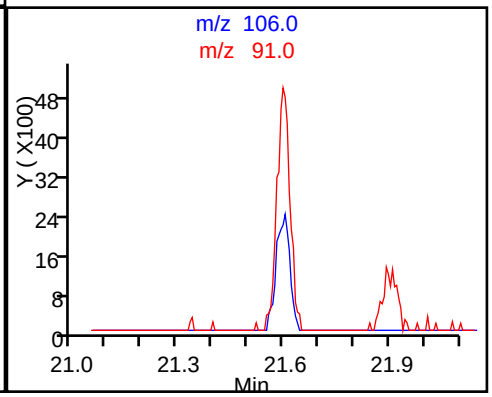












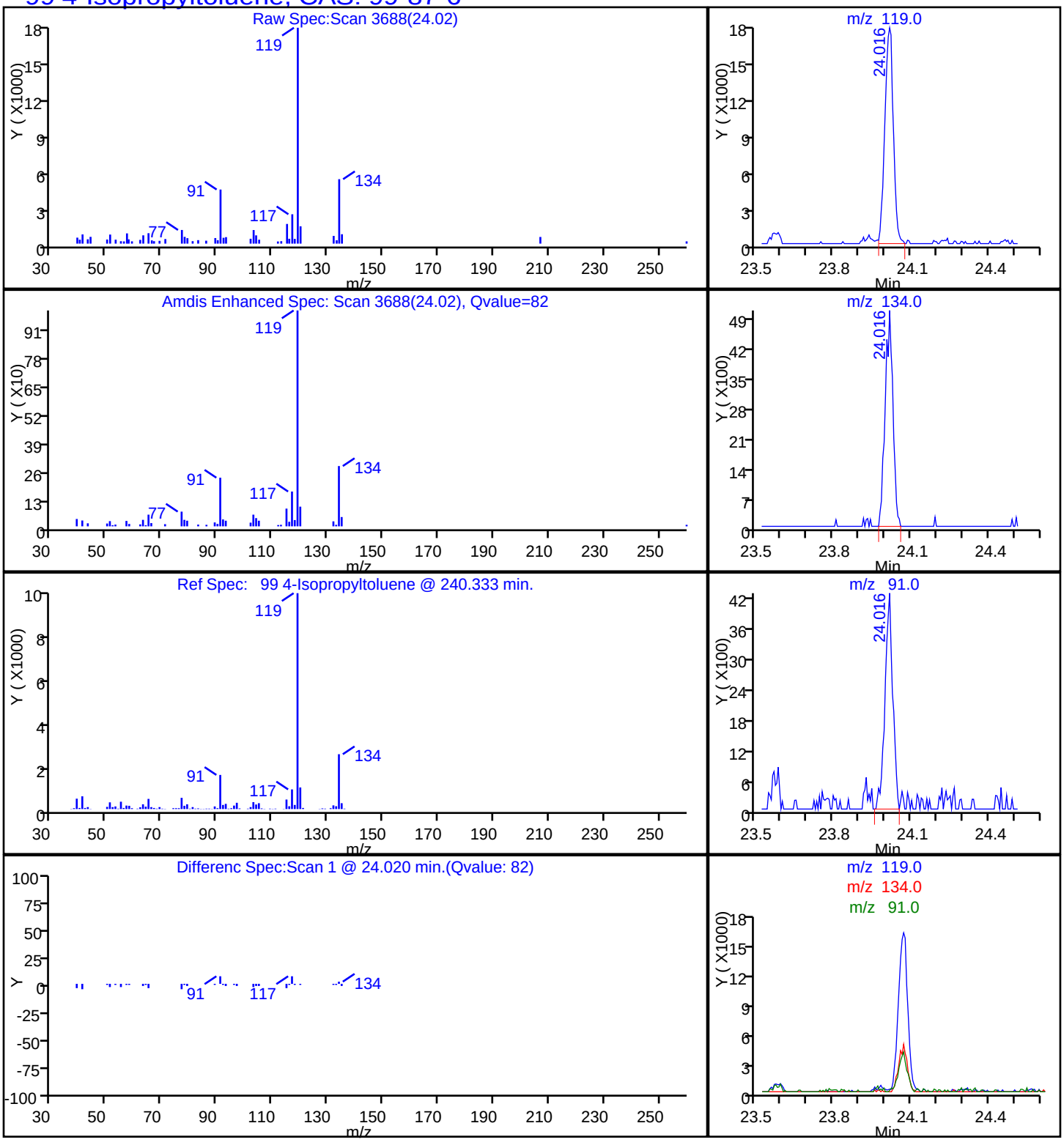
Report Date: 25-Feb-2014 09:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_008.d

Injection Date:	24-Feb-2014 17:31:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-29	Lab Sample ID:	200-20955-29		
Client ID:	IA-VMP-8D				
Operator ID:	bl	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

99 4-Isopropyltoluene, CAS: 99-87-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-DUP-021214 Lab Sample ID: 200-20955-31

Matrix: Air Lab File ID: 6282_009.d

Analysis Method: TO-15 Date Collected: 02/12/2014 00:00

Sample wt/vol: 354(mL) Date Analyzed: 02/24/2014 18:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.59		0.50	0.030
75-45-6	Freon 22	86.47	0.37	J	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.61		0.50	0.14
106-97-8	n-Butane	58.12	1.2		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.27		0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.67		0.20	0.030
76-13-1	Freon 113	187.38	0.090	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	4.0	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	93	E	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.24	J	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	1.7		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.33		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.61		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	19		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.083		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.17	J	0.20	0.027
71-43-2	Benzene	78.11	0.37		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.23		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-DUP-021214 Lab Sample ID: 200-20955-31

Matrix: Air Lab File ID: 6282_009.d

Analysis Method: TO-15 Date Collected: 02/12/2014 00:00

Sample wt/vol: 354(mL) Date Analyzed: 02/24/2014 18:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.84		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.035	J	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.091	J	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.13	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.19	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.069	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.26		0.20	0.034
100-42-5	Styrene	104.15	0.26		0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.028	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.024	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.062	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-DUP-021214 Lab Sample ID: 200-20955-31

Matrix: Air Lab File ID: 6282_009.d

Analysis Method: TO-15 Date Collected: 02/12/2014 00:00

Sample wt/vol: 354(mL) Date Analyzed: 02/24/2014 18:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-DUP-021214 Lab Sample ID: 200-20955-31

Matrix: Air Lab File ID: 6282_009.d

Analysis Method: TO-15 Date Collected: 02/12/2014 00:00

Sample wt/vol: 354(mL) Date Analyzed: 02/24/2014 18:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.9		2.5	0.15
75-45-6	Freon 22	86.47	1.3	J	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.3		1.0	0.28
106-97-8	n-Butane	58.12	2.8		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.60		0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	3.8		1.1	0.17
76-13-1	Freon 113	187.38	0.69	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	9.5	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	230	E	12	0.53
75-15-0	Carbon disulfide	76.14	0.74	J	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	6.0		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	1.2		0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.8		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	64		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.52		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.79	J	0.93	0.13
71-43-2	Benzene	78.11	1.2		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.93		0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-DUP-021214 Lab Sample ID: 200-20955-31

Matrix: Air Lab File ID: 6282_009.d

Analysis Method: TO-15 Date Collected: 02/12/2014 00:00

Sample wt/vol: 354(mL) Date Analyzed: 02/24/2014 18:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	3.2		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	0.24	J	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.42	J	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.57	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.82	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.30	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	1.1		0.87	0.15
100-42-5	Styrene	104.15	1.1		0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.14	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.12	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.30	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: IA-DUP-021214 Lab Sample ID: 200-20955-31

Matrix: Air Lab File ID: 6282_009.d

Analysis Method: TO-15 Date Collected: 02/12/2014 00:00

Sample wt/vol: 354(mL) Date Analyzed: 02/24/2014 18:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d
Lims ID: 200-20955-A-31 Lab Sample ID: 200-20955-31
Client ID: IA-DUP-021214
Sample Type: Client
Inject. Date: 24-Feb-2014 18:25:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006282-009
Misc. Info.: 200-20955-a-30 CDF=1.77 354ml
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 09:48:16 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 25-Feb-2014 09:11:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.458	4.463	-0.005	94	94460	0.5876	
6 Chlorodifluoromethane	51	4.527	4.528	-0.001	68	22452	0.3687	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.816					
8 Chloromethane	50	5.004	5.009	-0.005	83	16965	0.6131	
9 Butane	43	5.266	5.276	-0.010	95	53297	1.19	
10 Vinyl chloride	62		5.335					
11 Butadiene	54	5.432	5.432	0.0	91	6684	0.2729	
12 Bromomethane	94		6.298					
14 Chloroethane	64		6.587					
16 Vinyl bromide	106		7.063					
17 Trichlorofluoromethane	101	7.181	7.181	0.0	95	120758	0.6702	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.433	8.433	0.0	82	10190	0.0904	
24 1,1-Dichloroethene	96		8.508					
25 Acetone	43	8.748	8.743	0.005	87	203223	3.98	
26 Carbon disulfide	76	8.994	8.995	-0.001	91	26504	0.2369	
27 Isopropyl alcohol	45	9.032	9.027	0.005	97	3977151	93.0	E
29 3-Chloro-1-propene	41		9.401					
31 Methylene Chloride	49	9.727	9.727	0.0	79	61116	1.72	
32 2-Methyl-2-propanol	59		9.904					
33 Methyl tert-butyl ether	73		10.155					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.230					
36 Hexane	57	10.653	10.648	0.005	83	16340	0.3321	
37 1,1-Dichloroethane	63		11.193					
39 cis-1,2-Dichloroethene	96		12.370					
40 2-Butanone (MEK)	72	12.375	12.386	-0.011	96	13261	0.6136	
44 Tetrahydrofuran	42		12.846					
* 43 Chlorobromomethane	128	12.852	12.857	-0.005	69	351491	10.0	
45 Chloroform	83		12.964					
46 Cyclohexane	84	13.258	13.258	0.0	82	1119099	18.6	
47 1,1,1-Trichloroethane	97		13.274					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	48 Carbon tetrachloride	117	13.526	13.531	-0.005	64	13088	0.0833		
	51 Isooctane	57	13.922	13.922	0.0	89	27167	0.1695		
	50 Benzene	78	13.986	13.980	0.006	92	52738	0.3671		
	52 1,2-Dichloroethane	62		14.141						
	53 n-Heptane	43	14.269	14.269	0.0	77	11331	0.2264		
*	54 1,4-Difluorobenzene	114	14.740	14.745	-0.005	92	1648487	10.0		
	56 Trichloroethene	95		15.206						
	58 1,2-Dichloropropane	63		15.730						
	59 Methyl methacrylate	69		15.810						
	60 1,4-Dioxane	88		15.901						
	62 Dichlorobromomethane	83		16.217						
	64 cis-1,3-Dichloropropene	75		17.083						
	65 4-Methyl-2-pentanone (MIBK)	43		17.319						
	66 Toluene	92	17.661	17.656	0.005	94	92184	0.8422		
	70 trans-1,3-Dichloropropene	75		18.191						
	71 1,1,2-Trichloroethane	83		18.554						
	72 Tetrachloroethene	166	18.699	18.699	0.0	65	4816	0.0354		M
	73 2-Hexanone	43		18.945						
	74 Chlorodibromomethane	129		19.314						
	75 Ethylene Dibromide	107		19.598						
S	82 Xylenes, Total	106				0		0.2570		7
*	76 Chlorobenzene-d5	117	20.443	20.443	0.0	83	1509300	10.0		
	77 Chlorobenzene	112	20.486	20.496	-0.010	44	16620	0.0908		
	78 Ethylbenzene	91	20.619	20.614	0.005	86	33341	0.1304		
	80 m-Xylene & p-Xylene	106	20.833	20.833	0.0	98	19429	0.1884		
	83 o-Xylene	106	21.540	21.545	-0.005	62	6676	0.0686		
	84 Styrene	104	21.582	21.582	0.0	93	37963	0.2628		
	85 Bromoform	173		21.957						
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	98	1055676	NC		
	88 1,1,2,2-Tetrachloroethane	83		22.668						
	90 N-Propylbenzene	91		22.743						
	91 4-Ethyltoluene	105	22.914	22.909	0.005	75	9434	0.0283		7
	92 2-Chlorotoluene	91		22.941						
	94 1,3,5-Trimethylbenzene	105	23.000	23.000	0.0	56	7309	0.0237		7
	96 tert-Butylbenzene	119		23.476						
	97 1,2,4-Trimethylbenzene	105	23.567	23.567	0.0	73	18203	0.0619		
	98 sec-Butylbenzene	105		23.808						
	99 4-Isopropyltoluene	119		24.011						
	100 1,3-Dichlorobenzene	146		24.081						
	101 1,4-Dichlorobenzene	146		24.225						
	102 Benzyl chloride	91		24.434						
	103 n-Butylbenzene	91		24.648						
	105 1,2-Dichlorobenzene	146		24.830						
	107 1,2,4-Trichlorobenzene	180		27.729						
	108 Hexachlorobutadiene	225		27.932						
	109 Naphthalene	128		28.312						

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

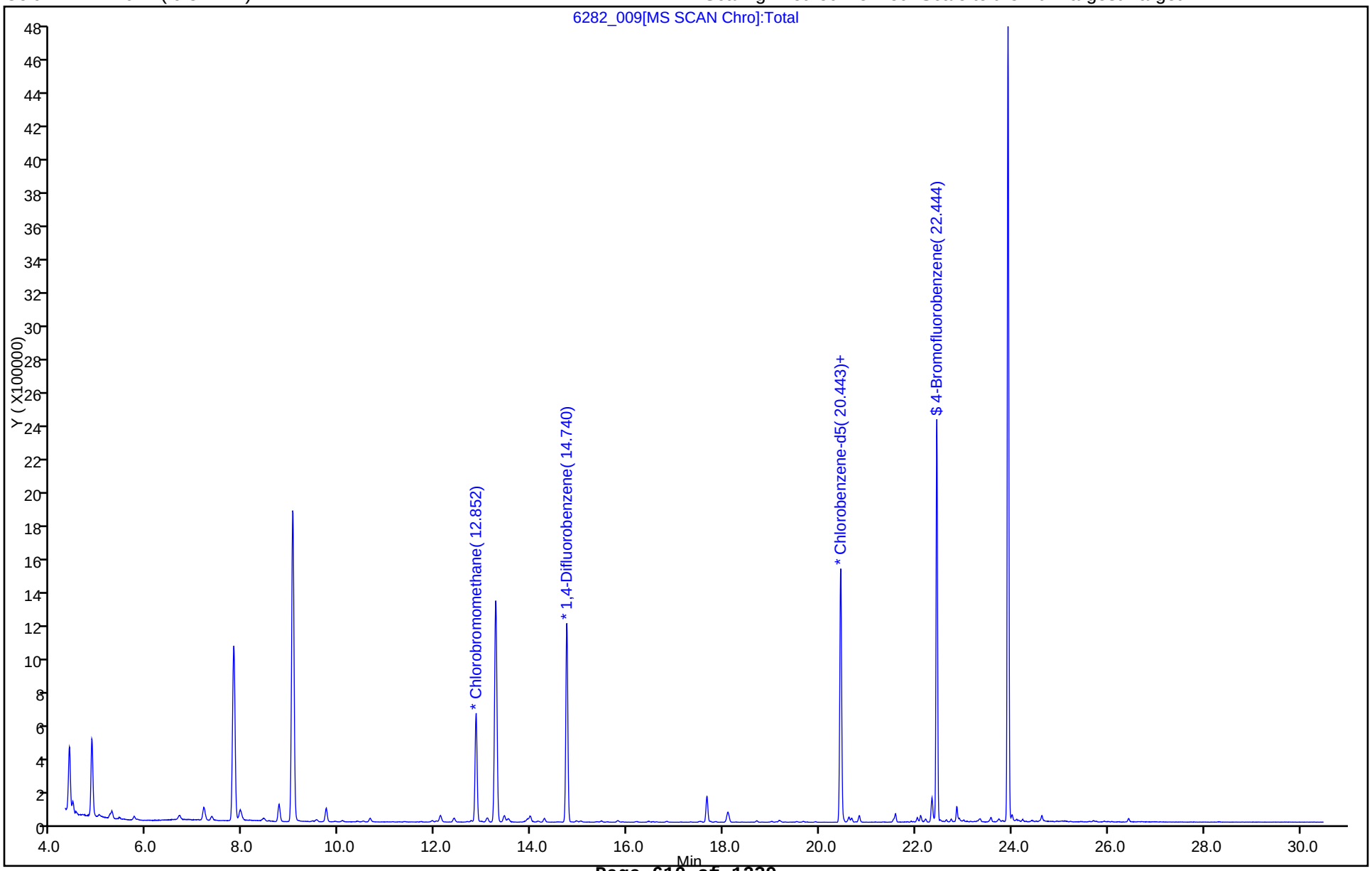
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31	Worklist Smp#:	9
Client ID:	IA-DUP-021214				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



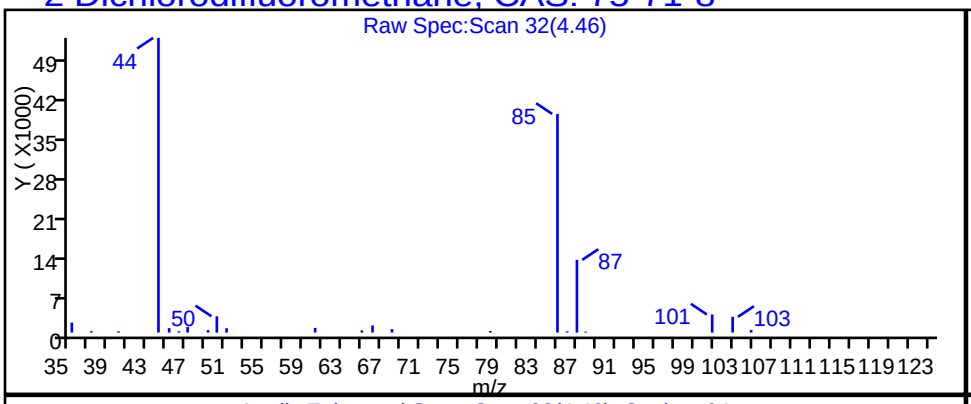
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

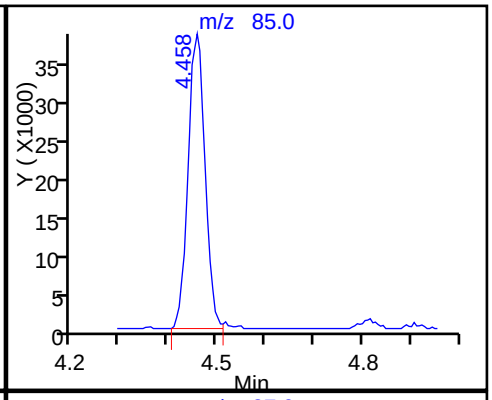
TestAmerica Burlington

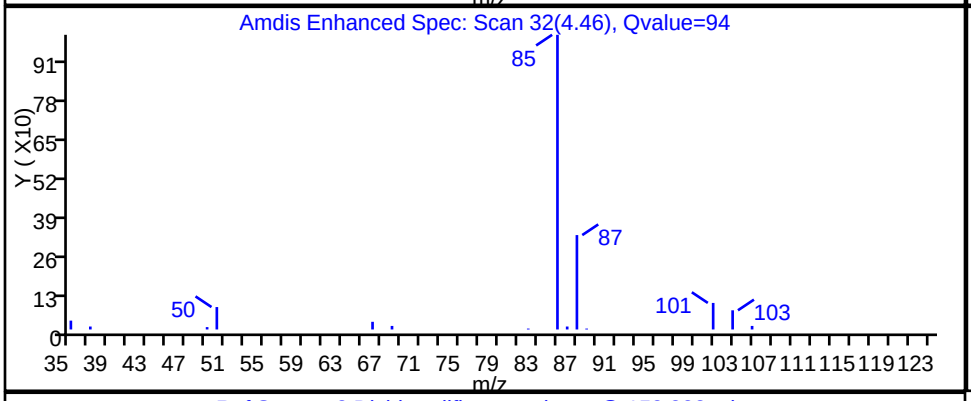
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

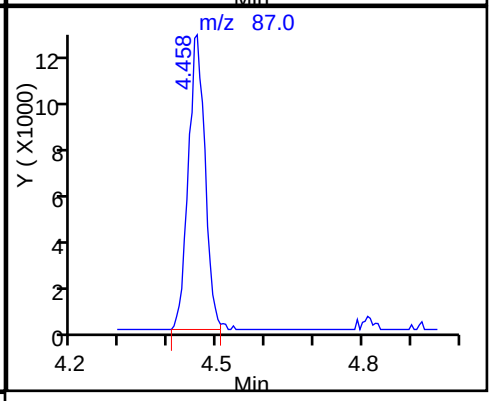
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

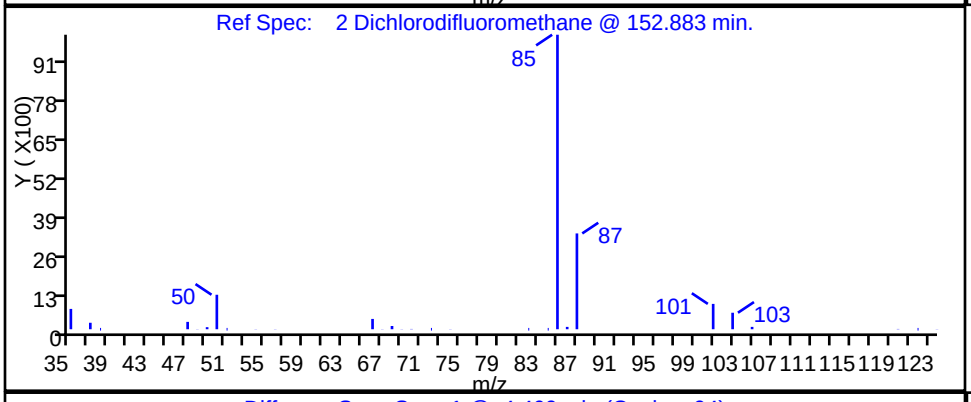
2 Dichlorodifluoromethane, CAS: 75-71-8

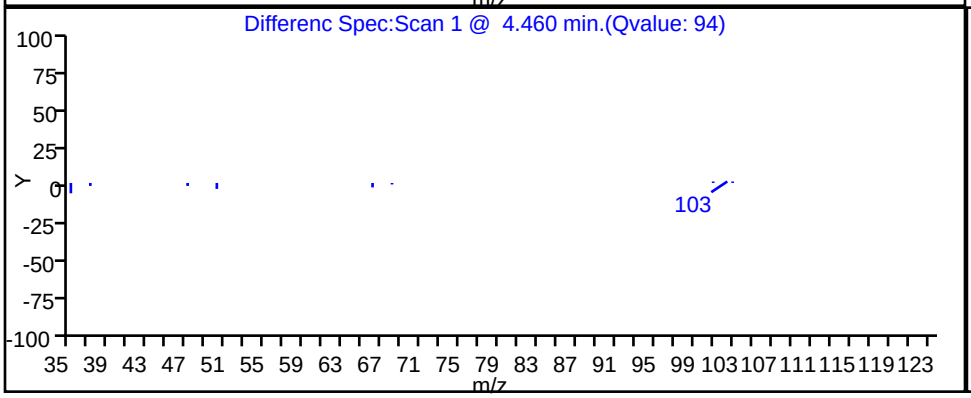


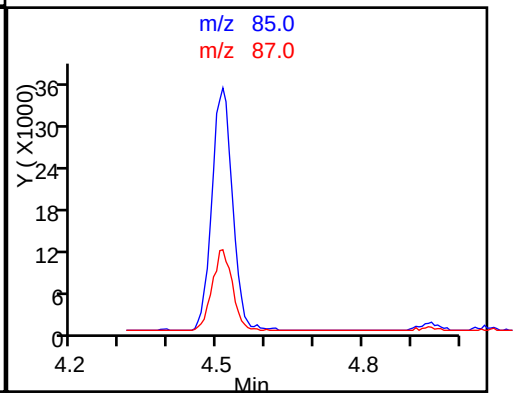












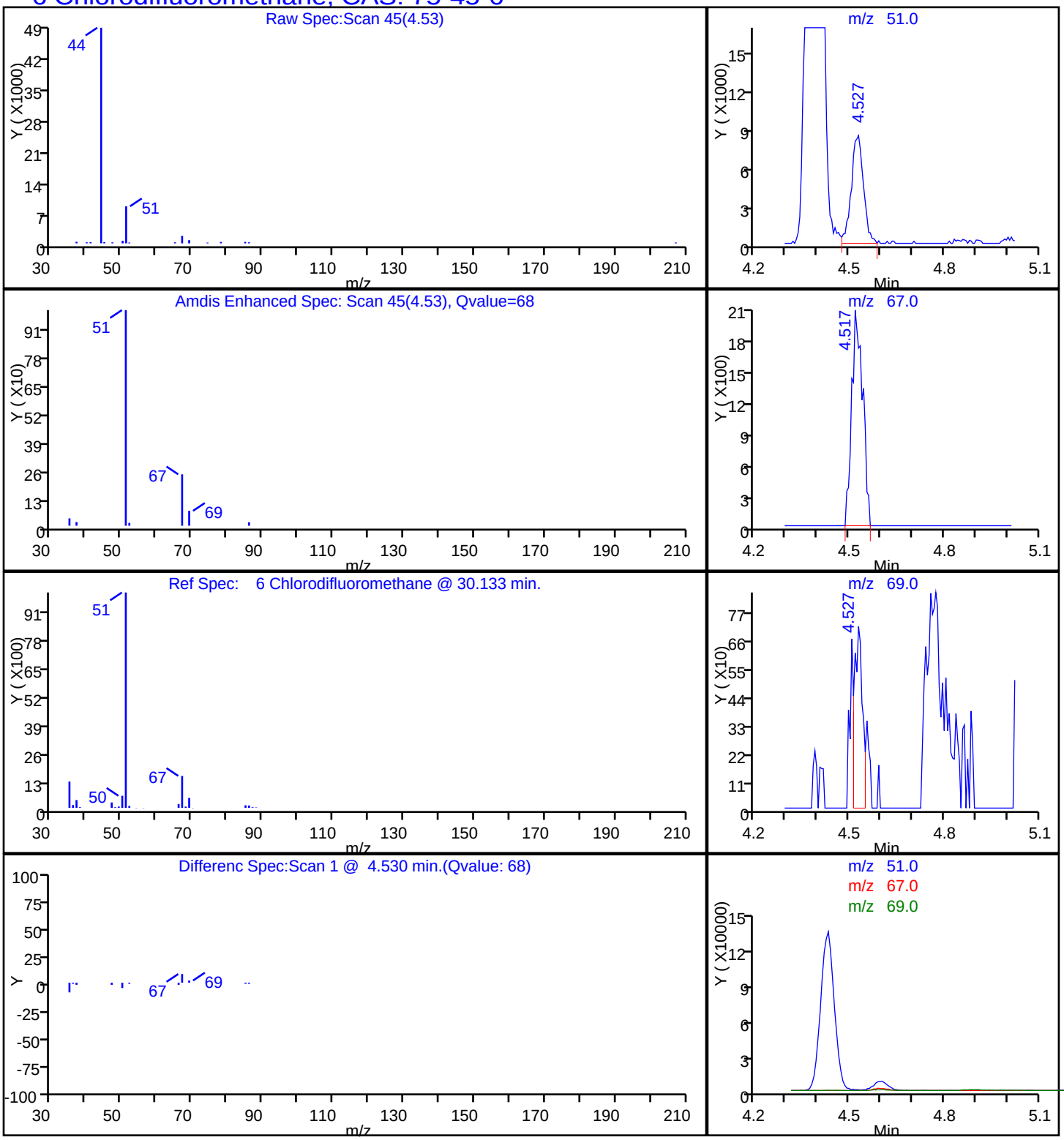
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



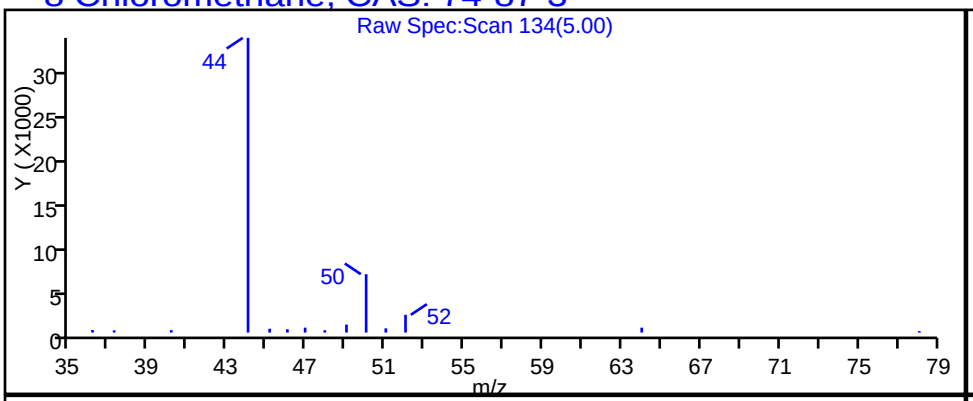
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

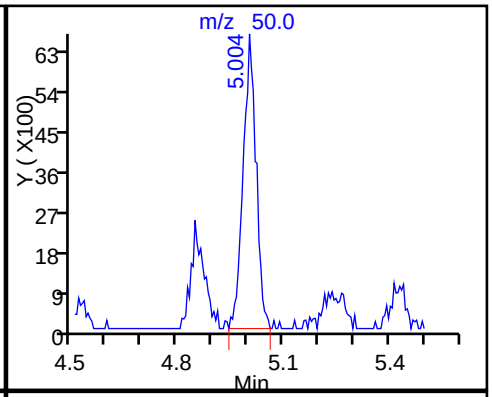
TestAmerica Burlington

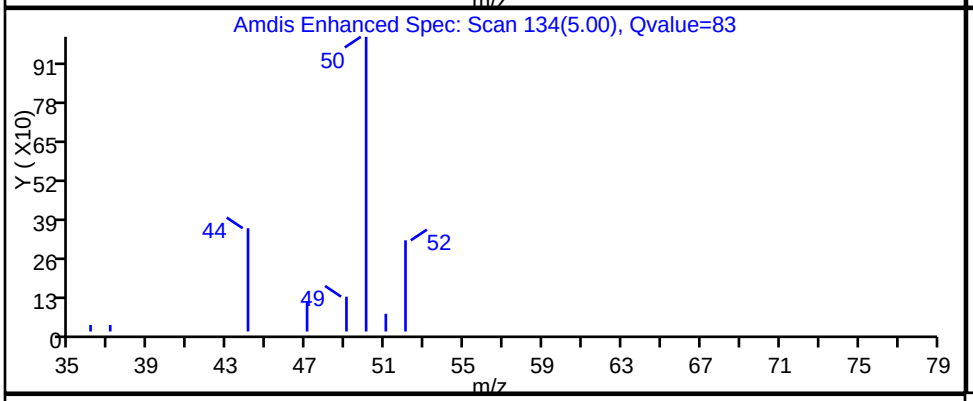
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

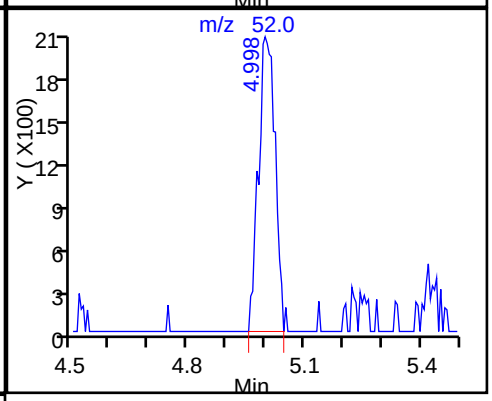
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

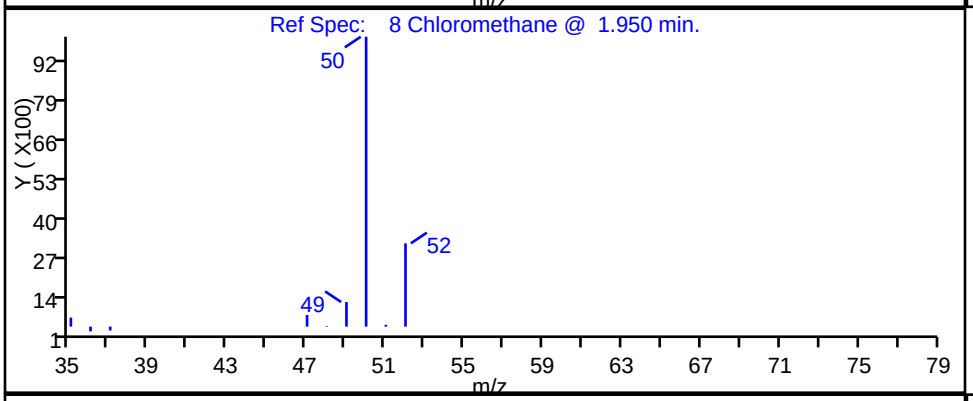
8 Chloromethane, CAS: 74-87-3

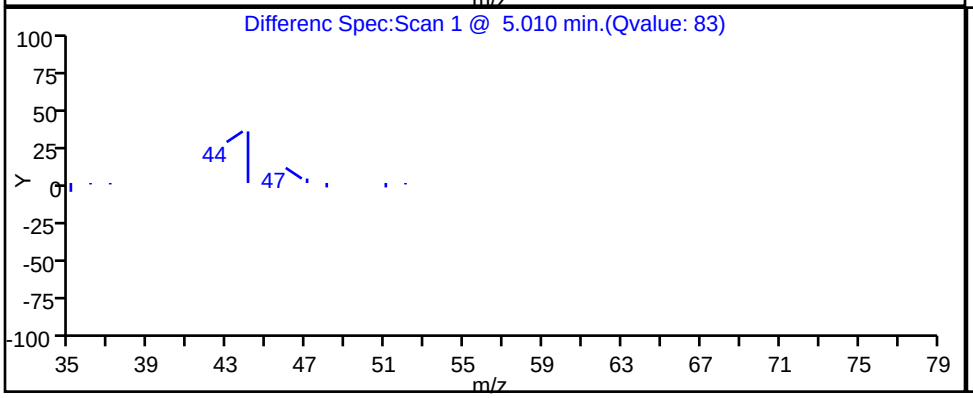


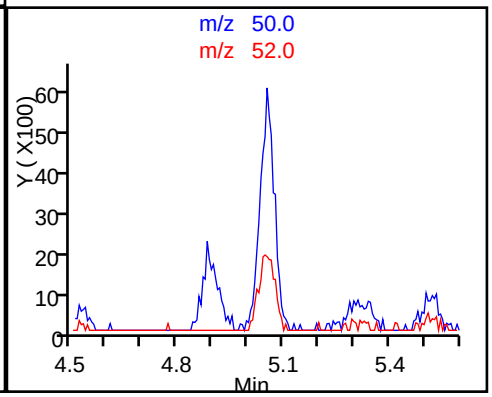












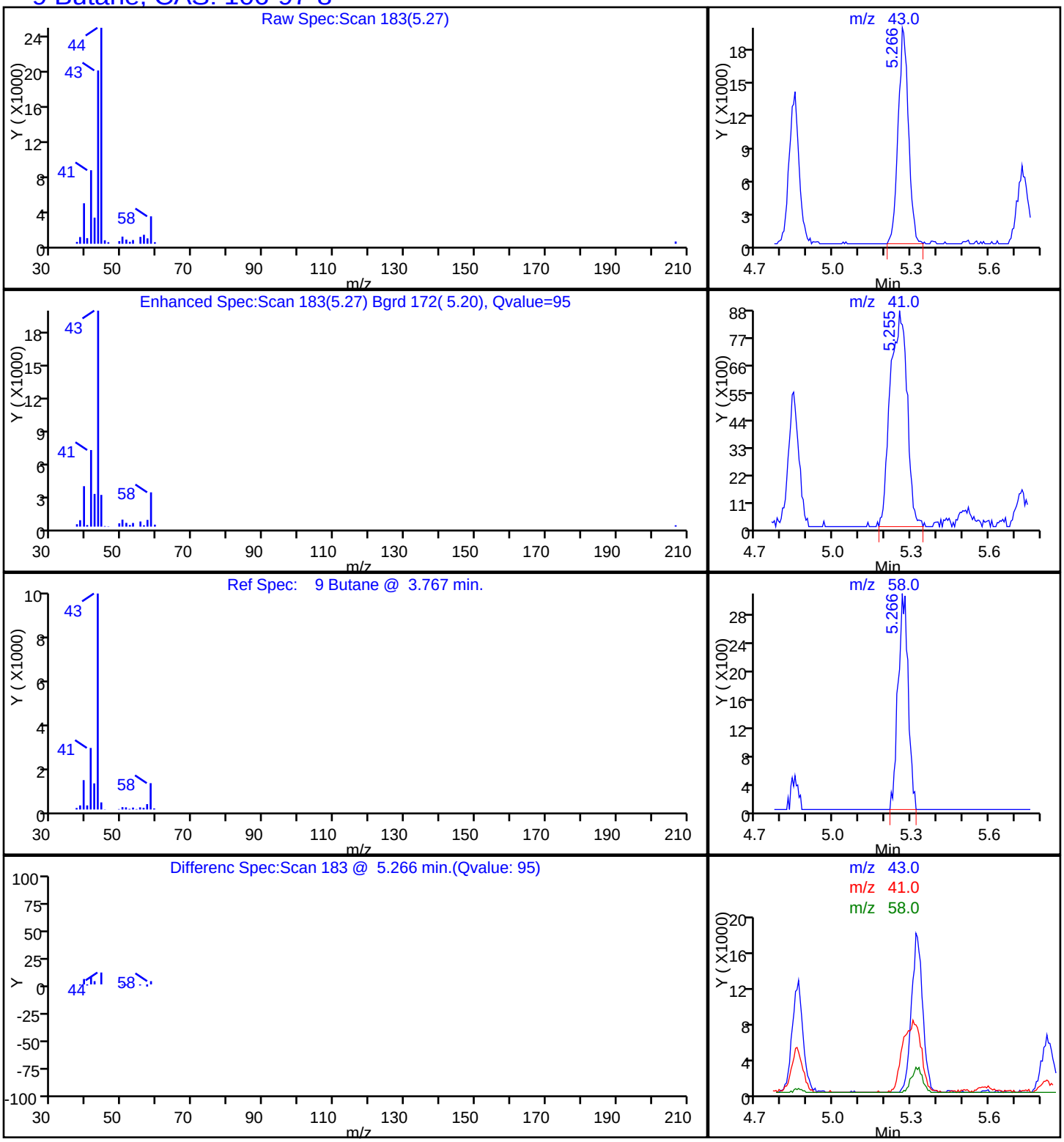
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



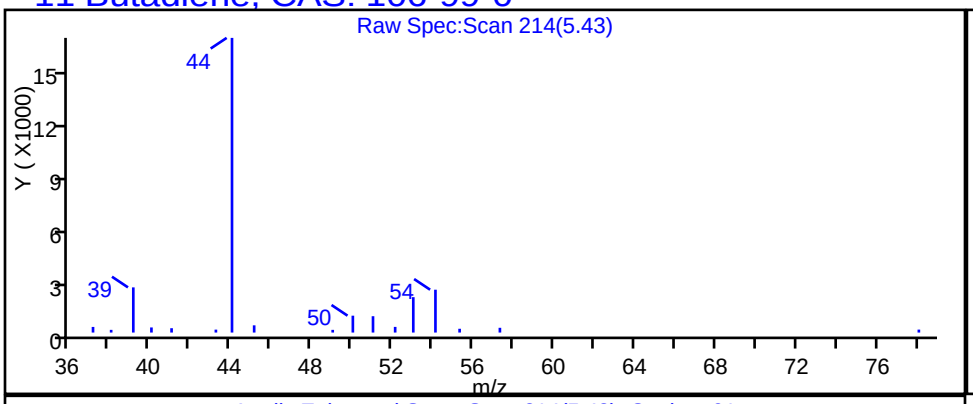
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

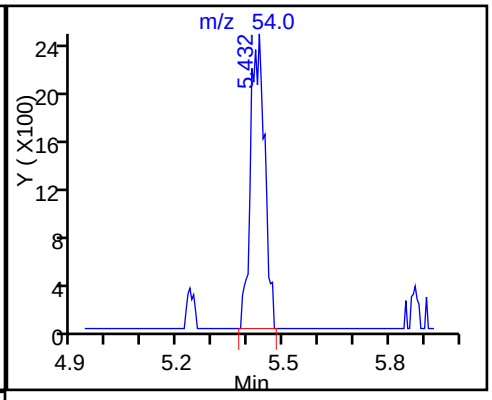
TestAmerica Burlington

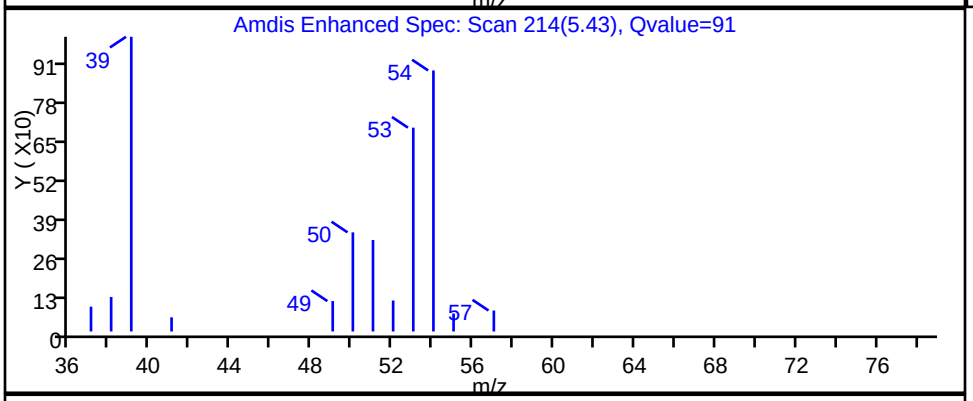
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

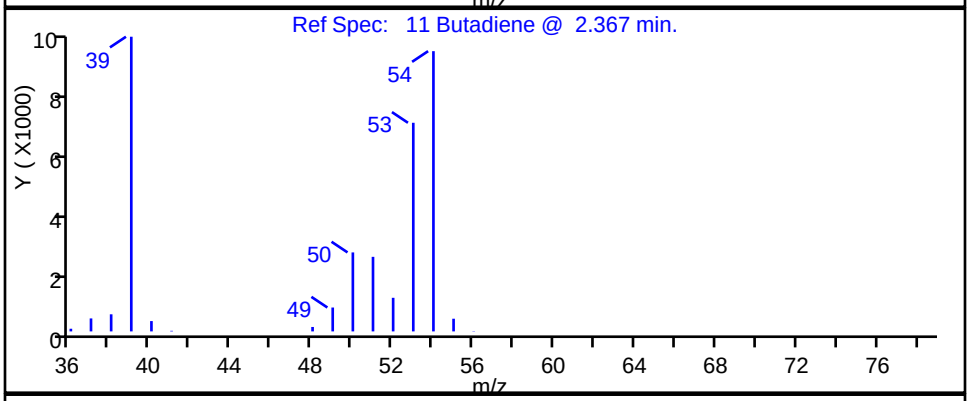
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

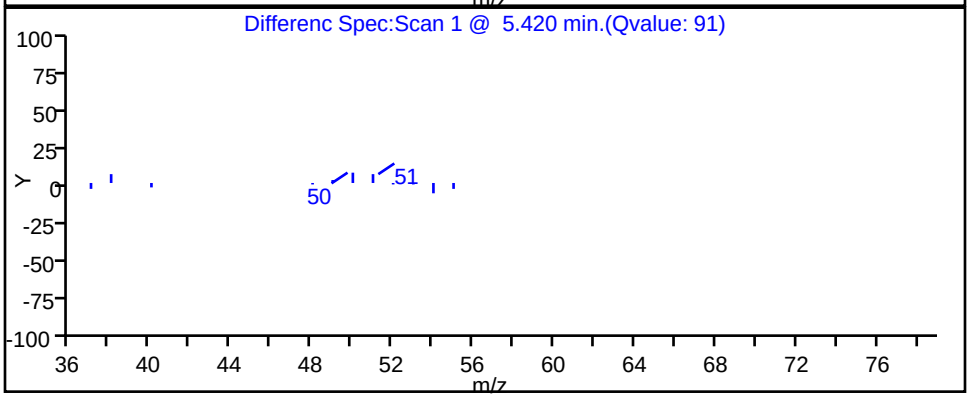
11 Butadiene, CAS: 106-99-0











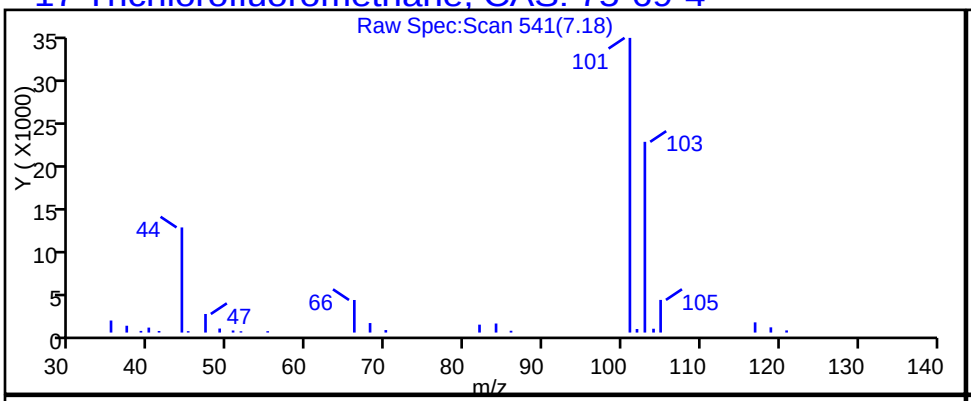
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

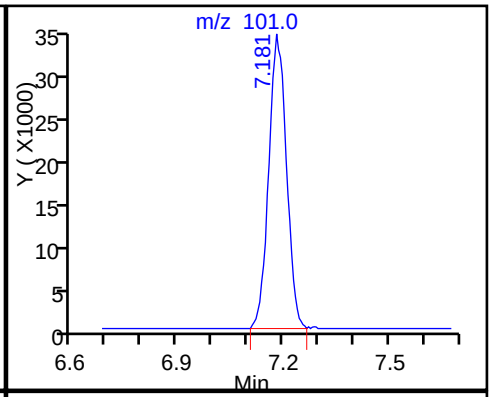
TestAmerica Burlington

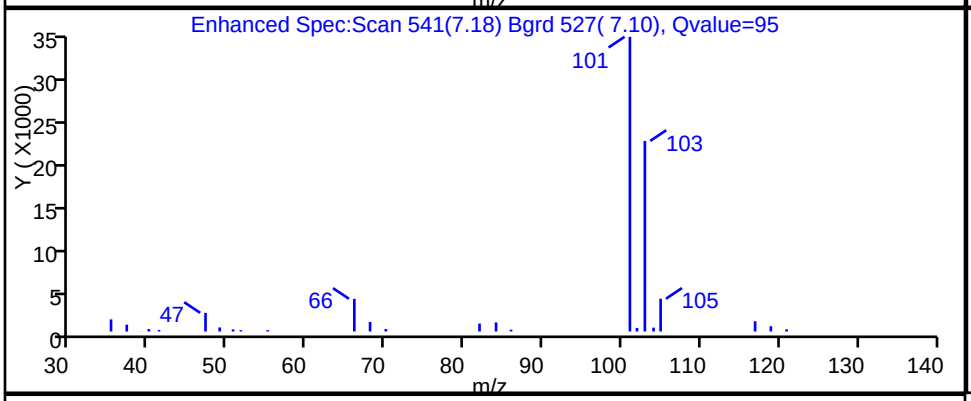
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

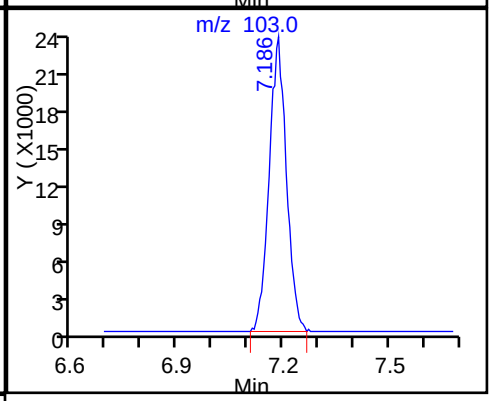
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

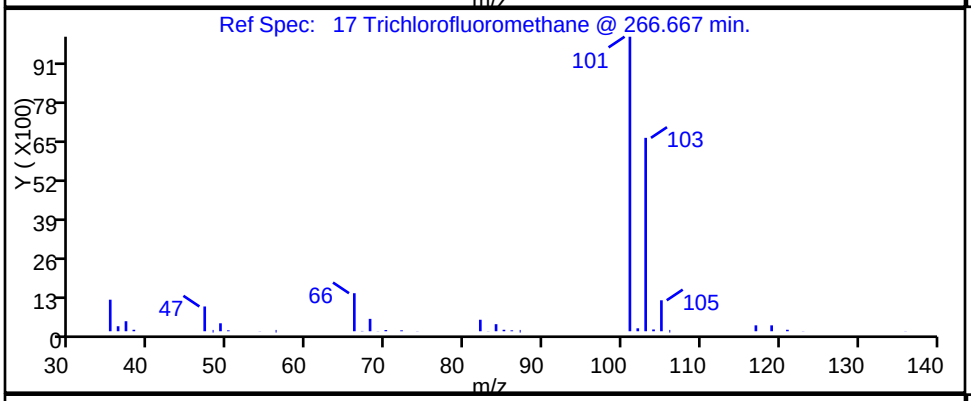
17 Trichlorofluoromethane, CAS: 75-69-4

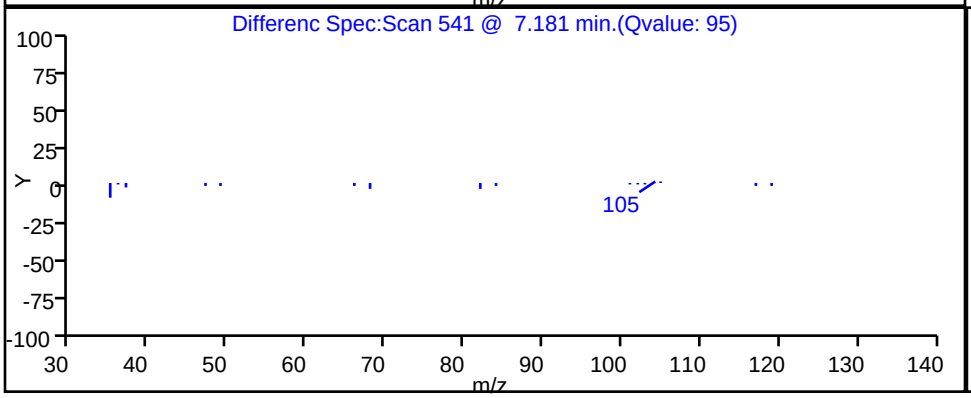


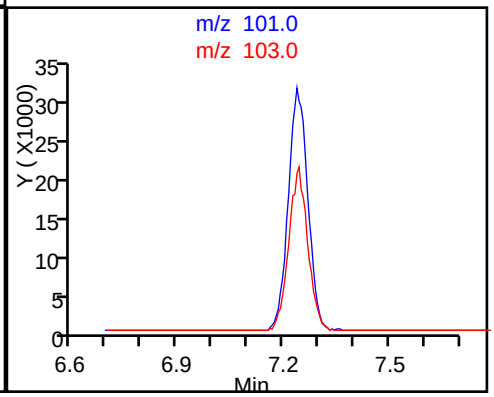












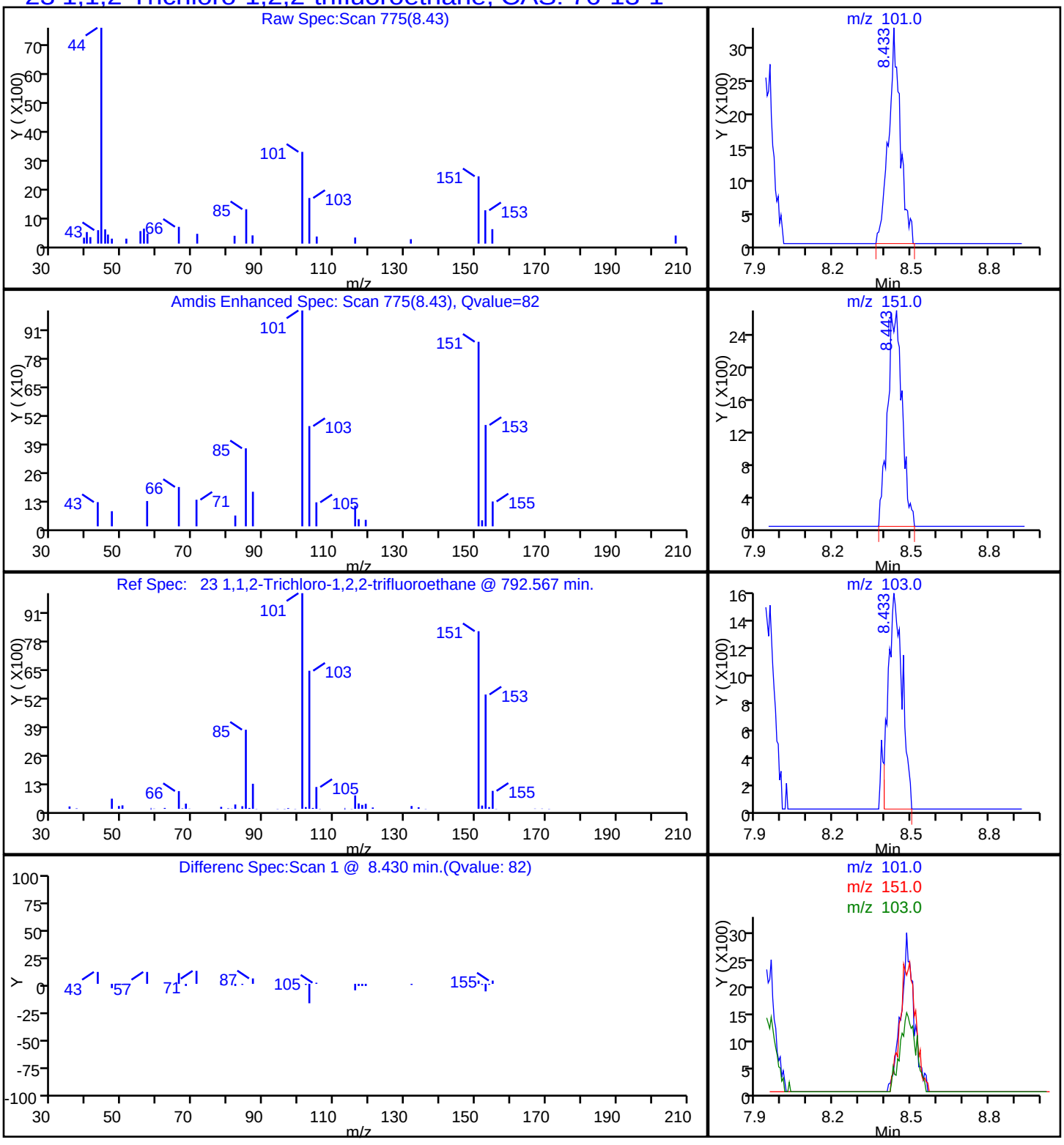
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



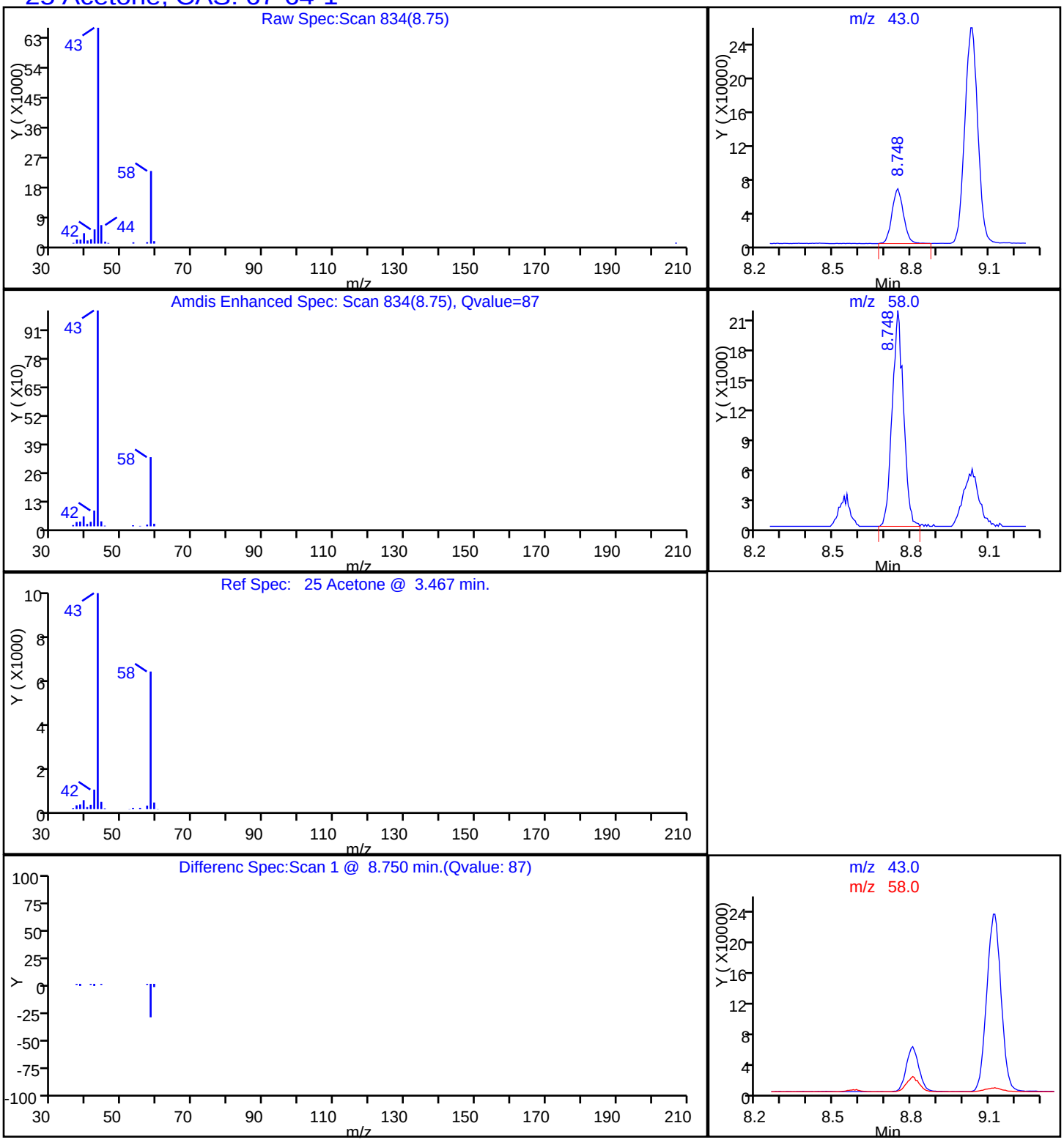
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31
Client ID:	IA-DUP-021214		
Operator ID:	bl	ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

25 Acetone, CAS: 67-64-1



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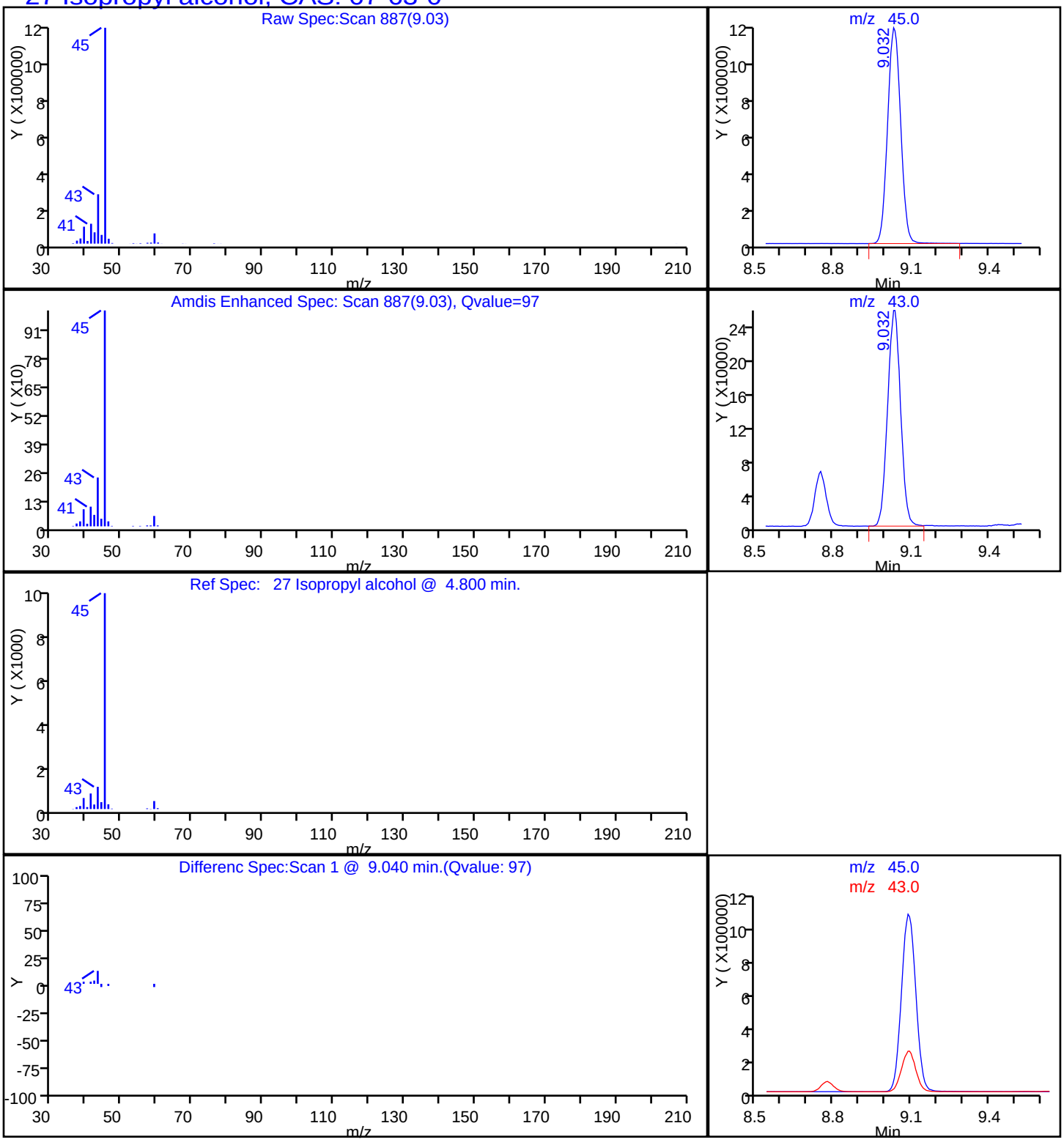
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



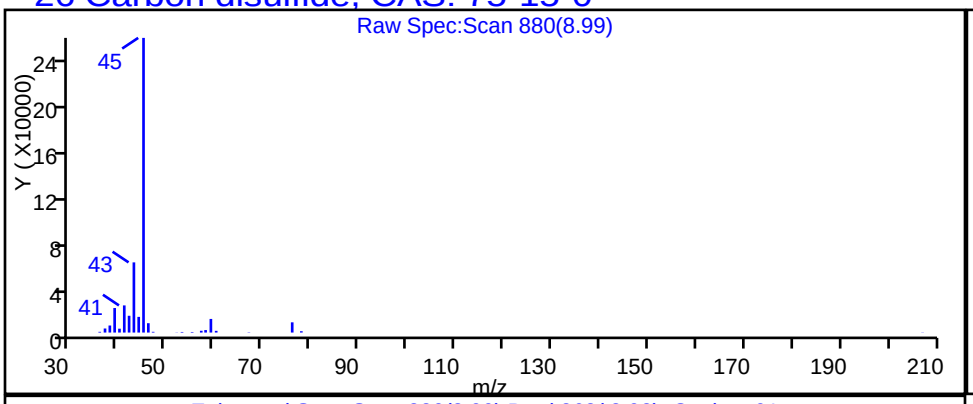
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

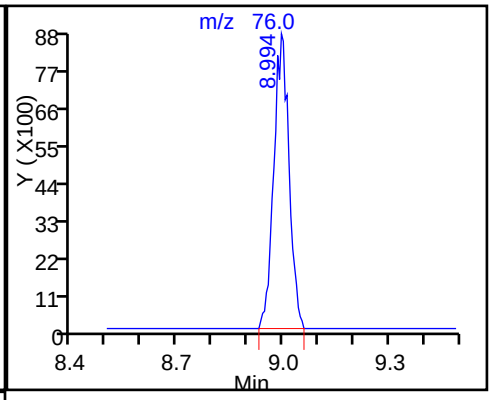
TestAmerica Burlington

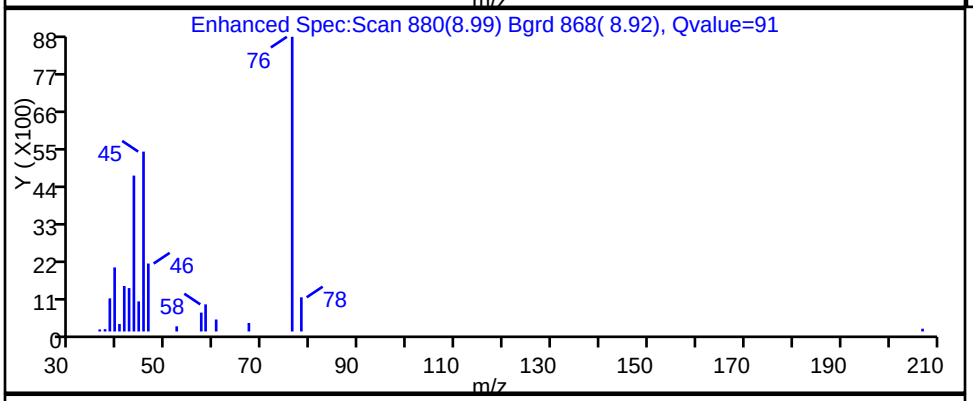
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

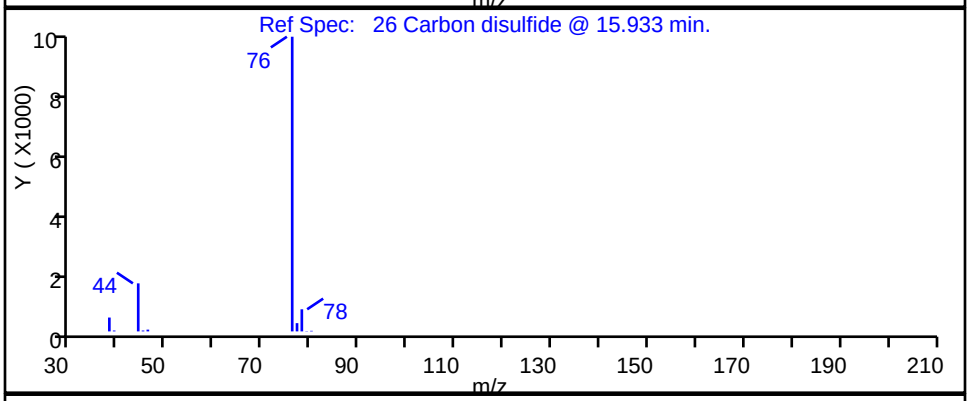
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

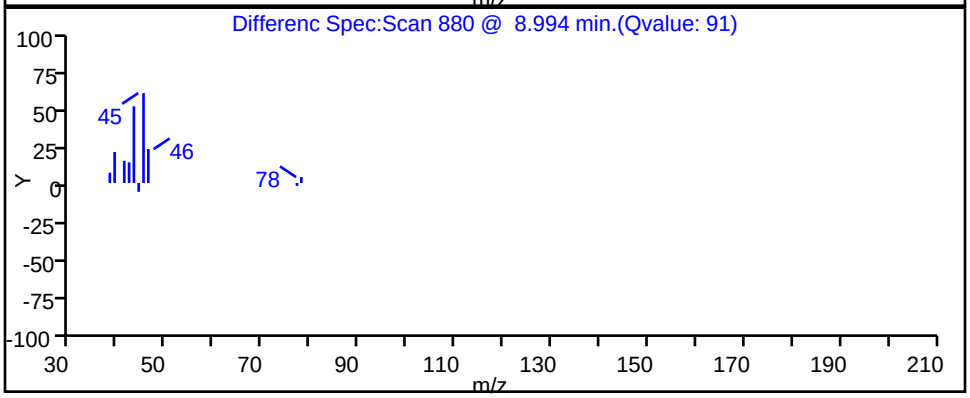
26 Carbon disulfide, CAS: 75-15-0











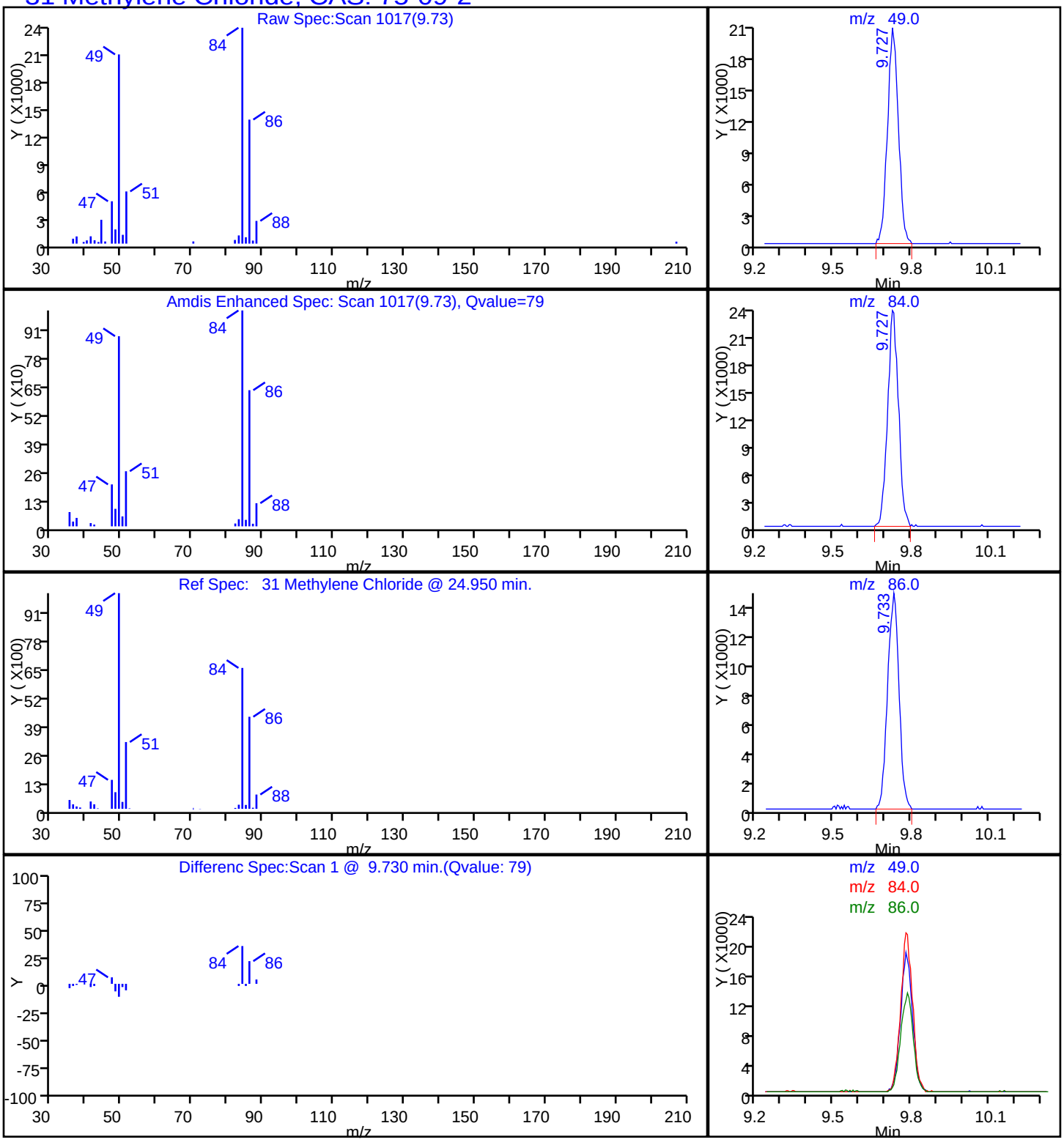
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



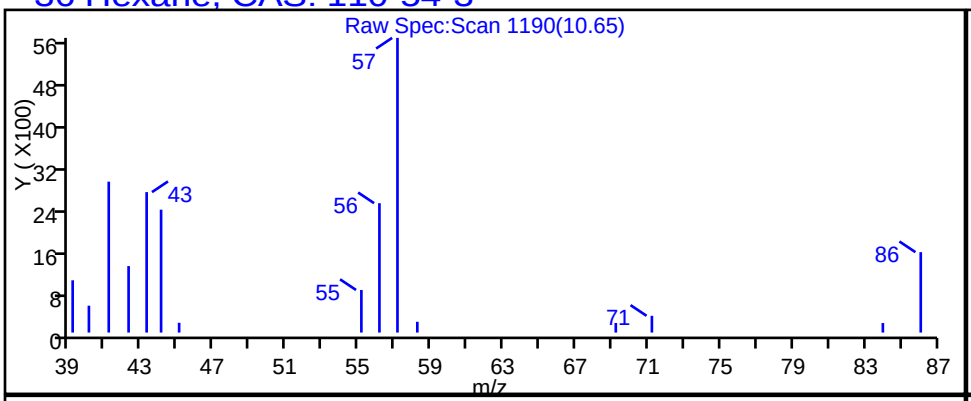
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

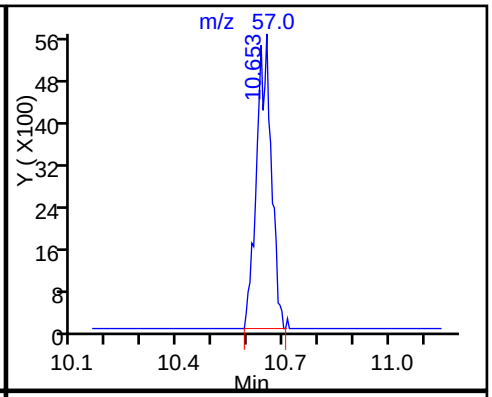
TestAmerica Burlington

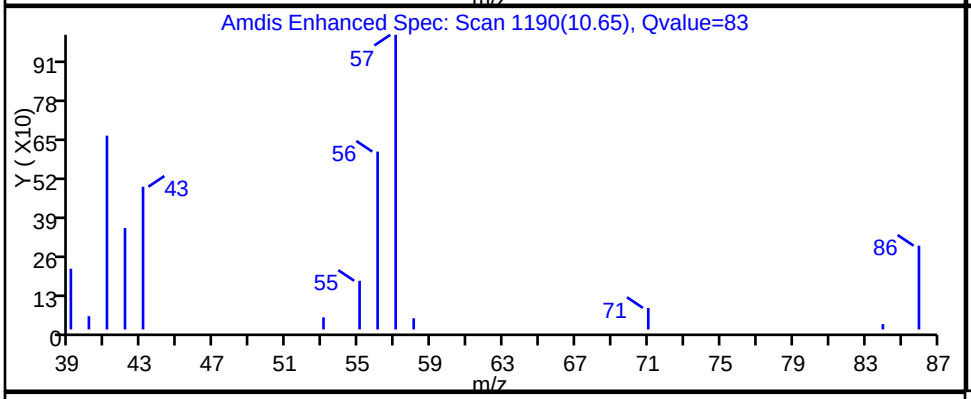
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

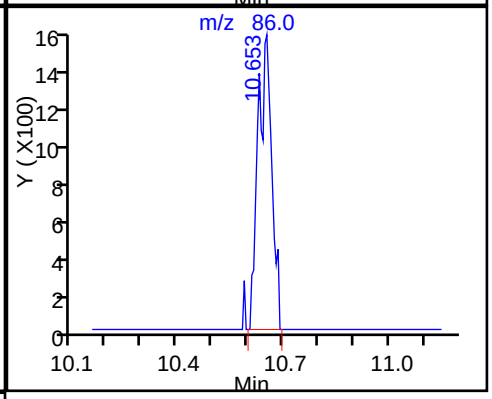
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

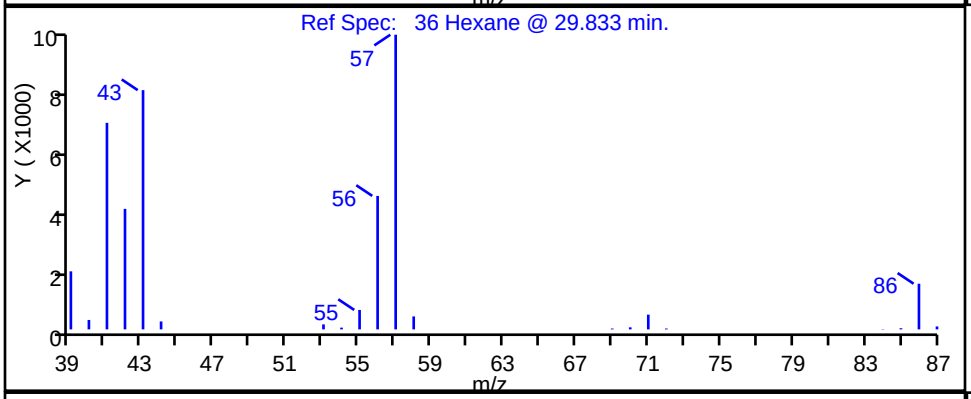
36 Hexane, CAS: 110-54-3

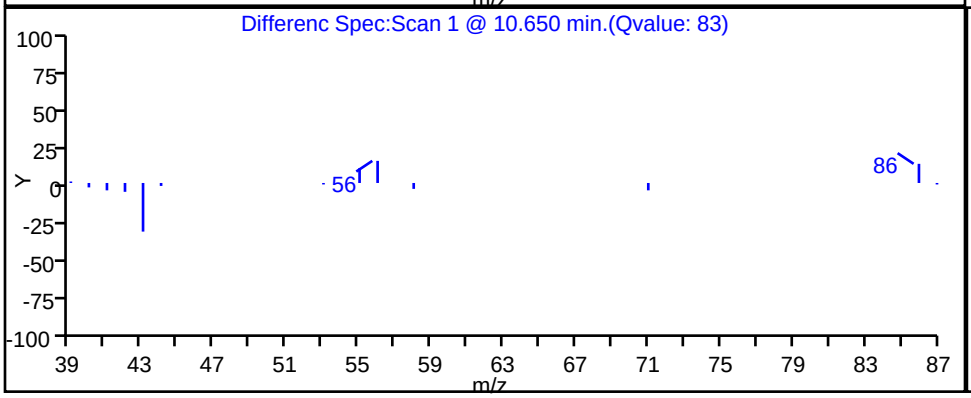


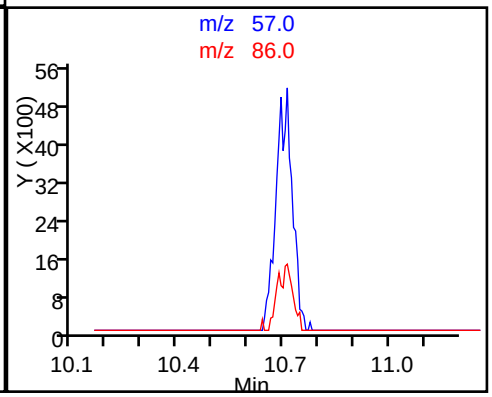












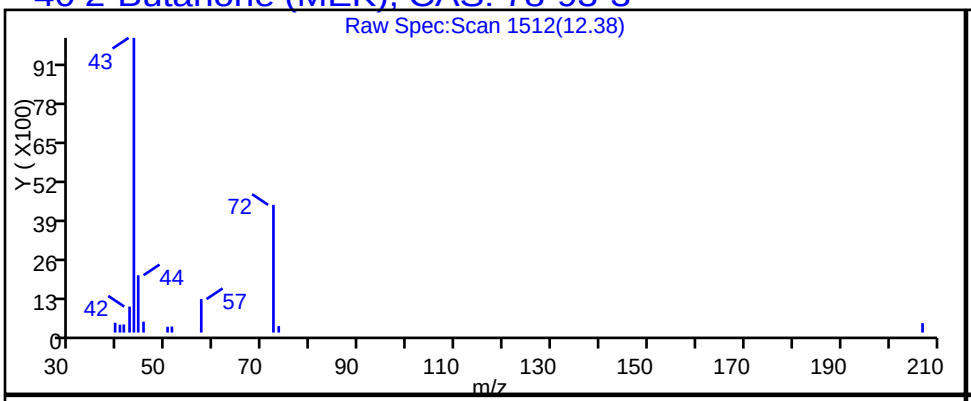
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

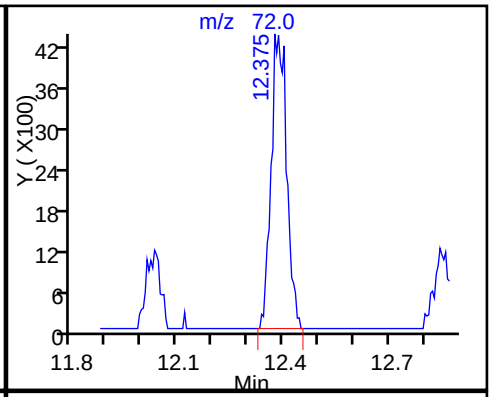
TestAmerica Burlington

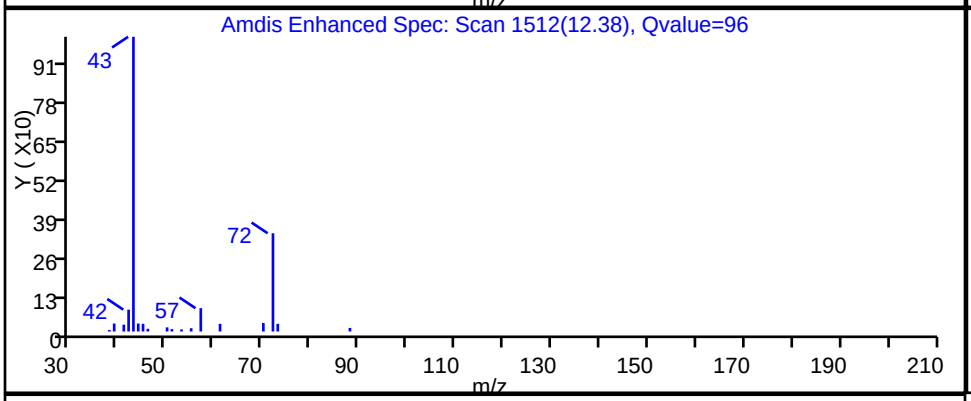
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

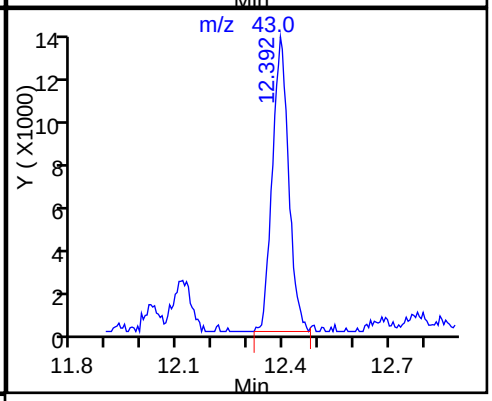
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

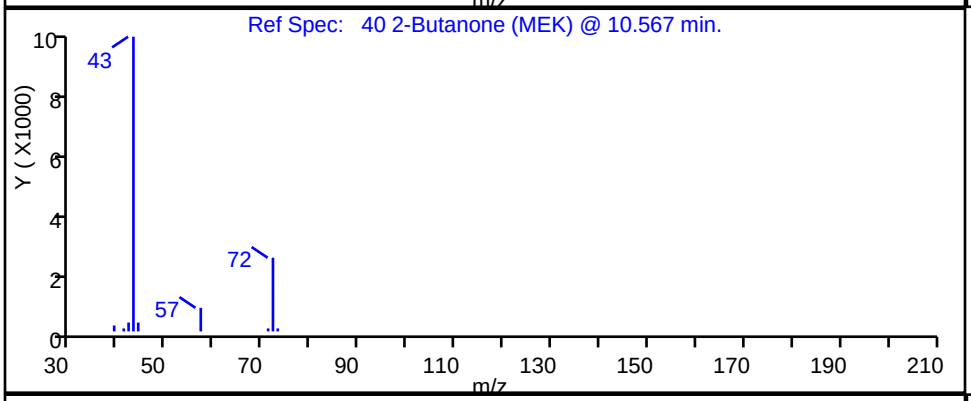
40 2-Butanone (MEK), CAS: 78-93-3

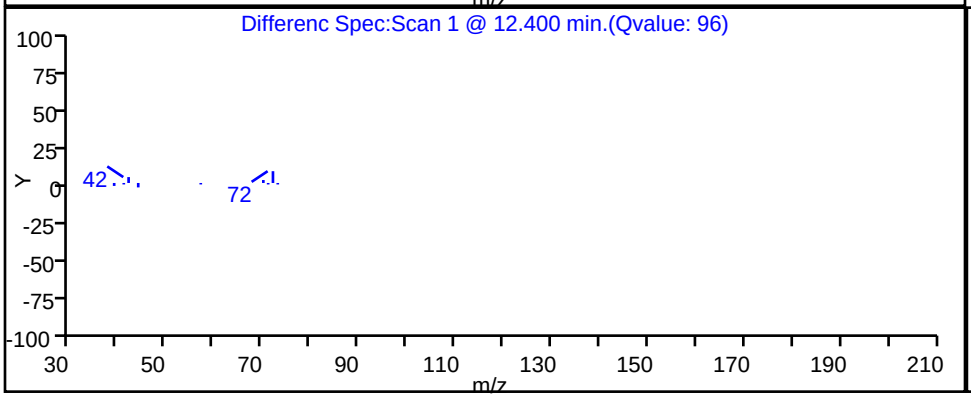


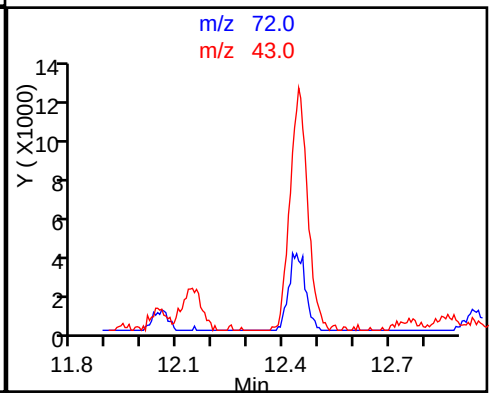












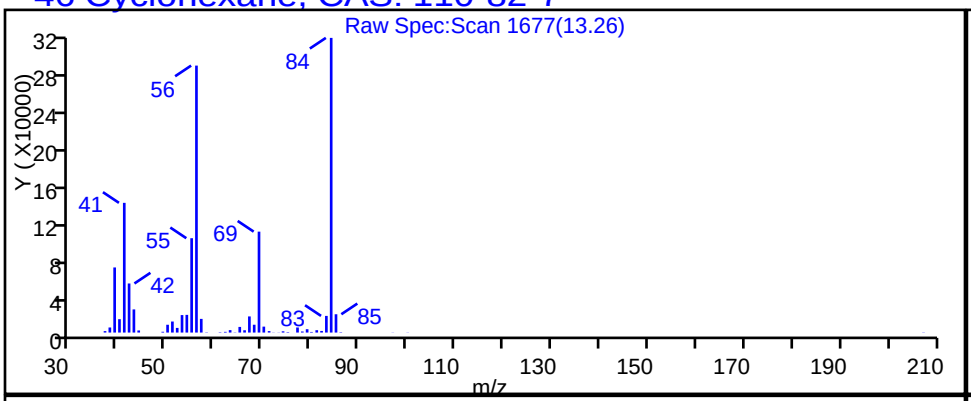
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

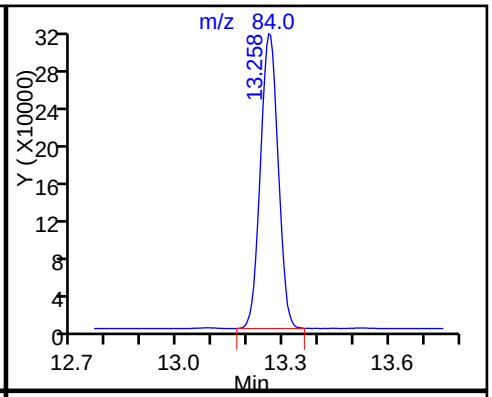
TestAmerica Burlington

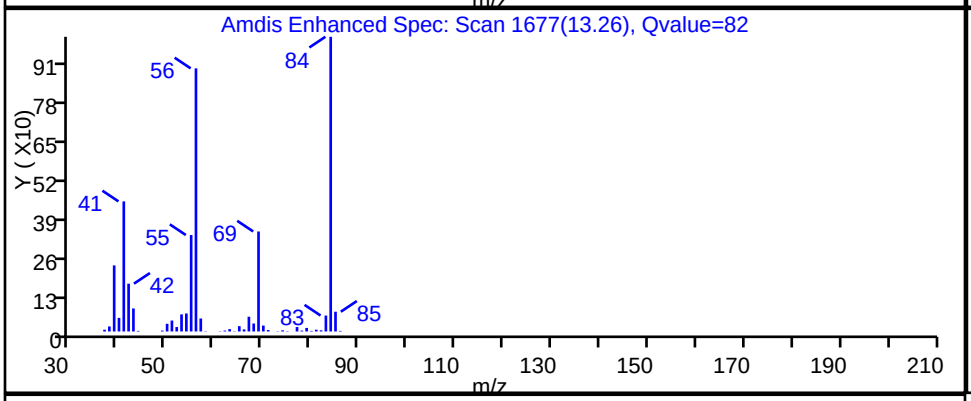
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

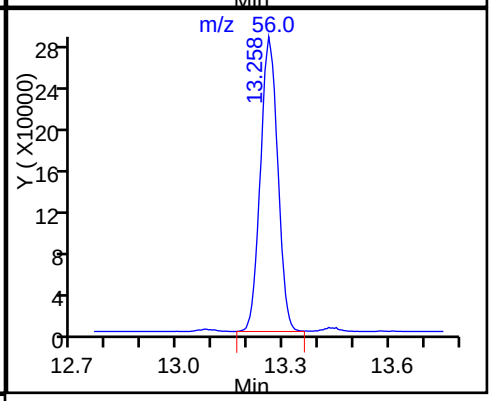
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

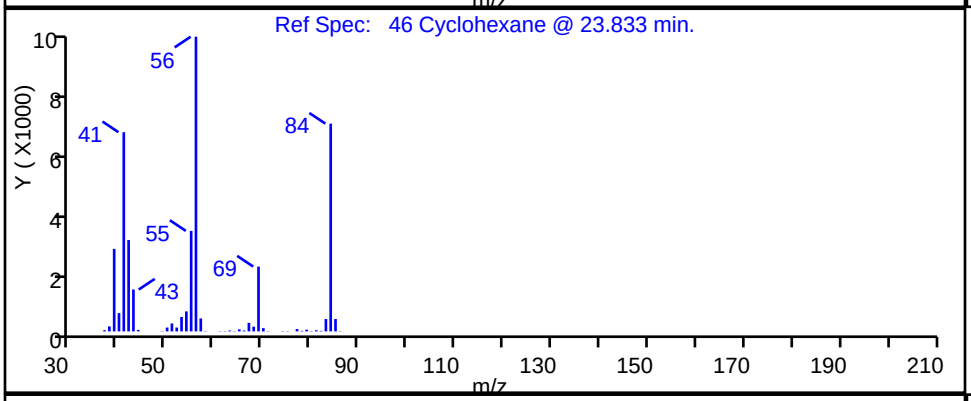
46 Cyclohexane, CAS: 110-82-7

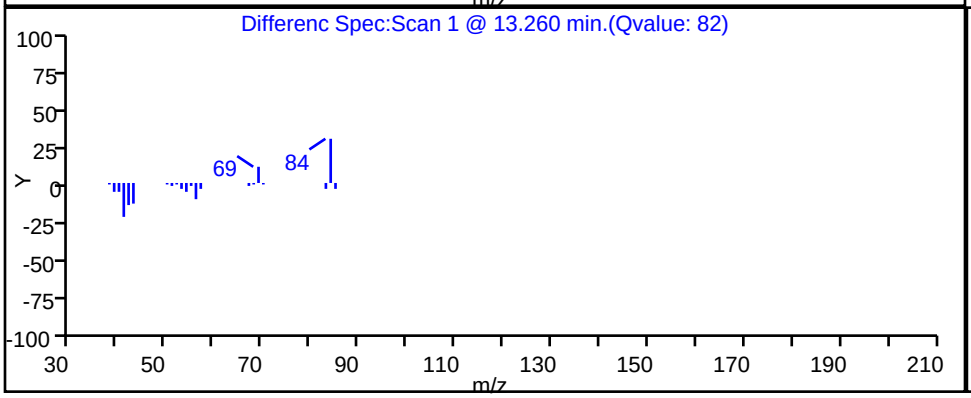


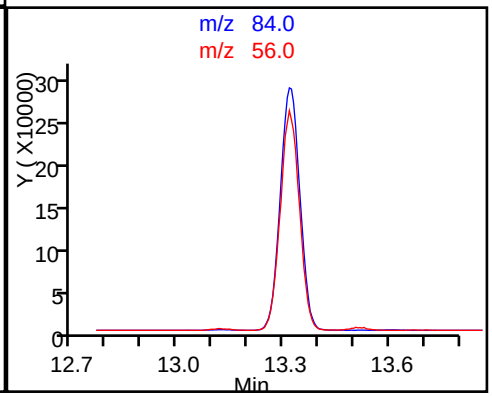










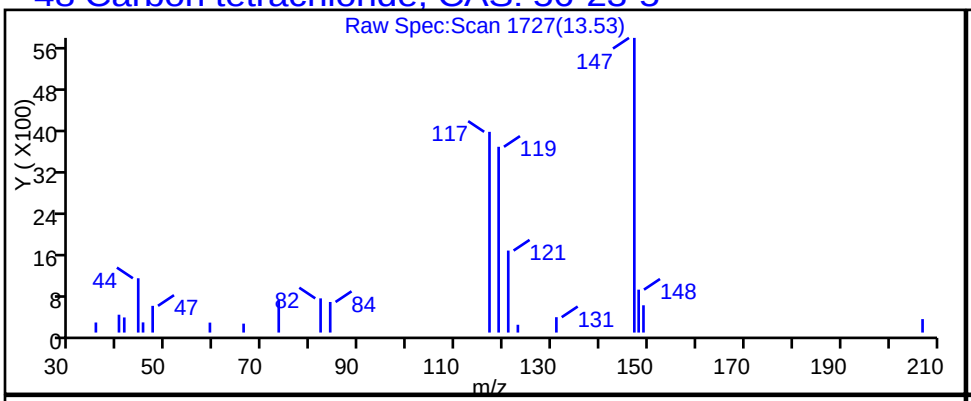


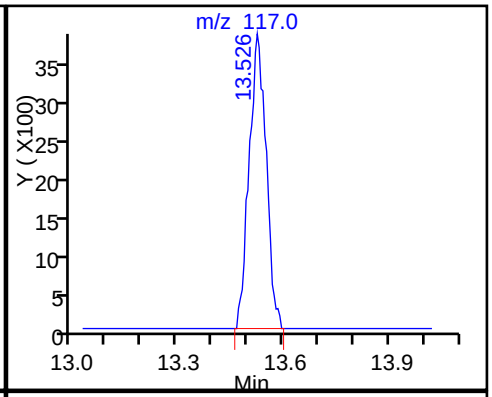
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

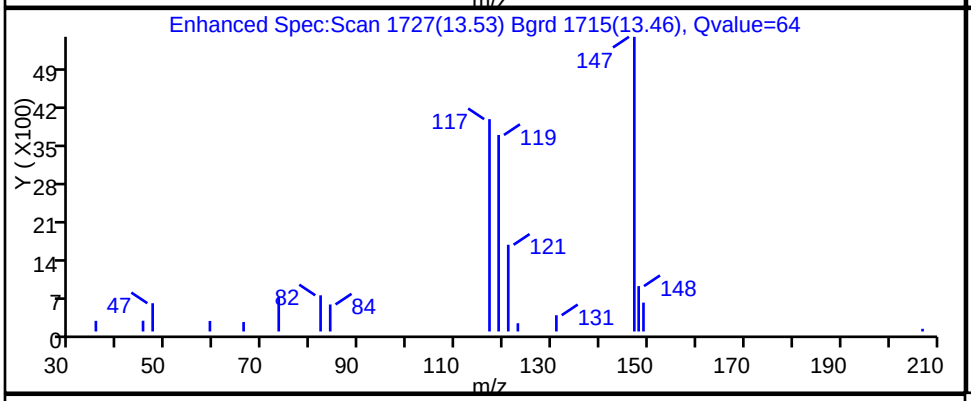
TestAmerica Burlington

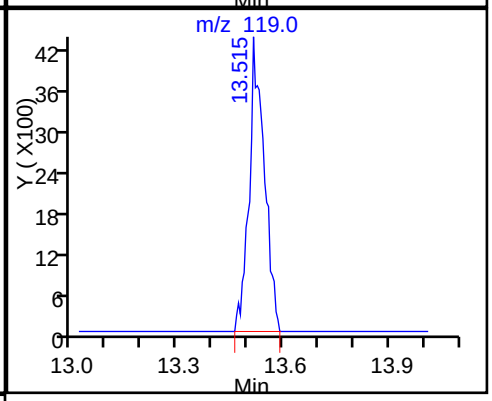
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d				
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

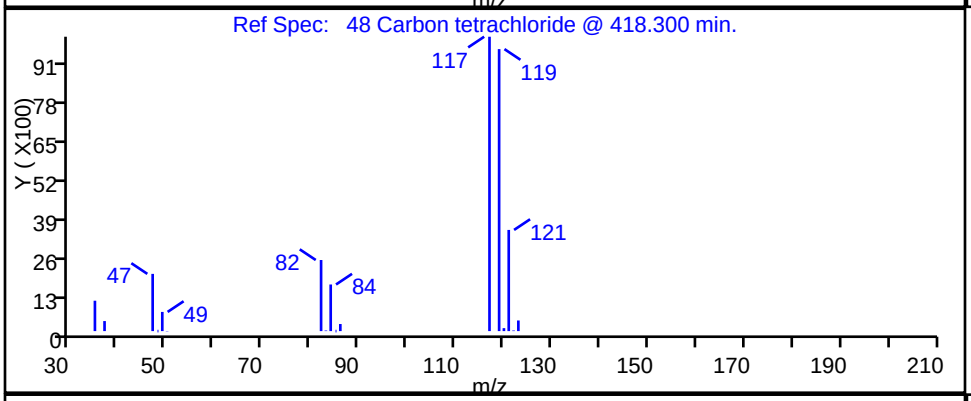
48 Carbon tetrachloride, CAS: 56-23-5

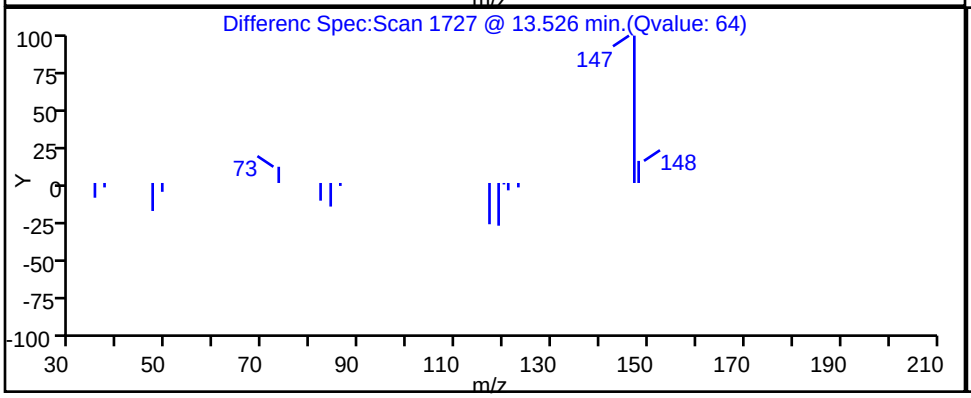


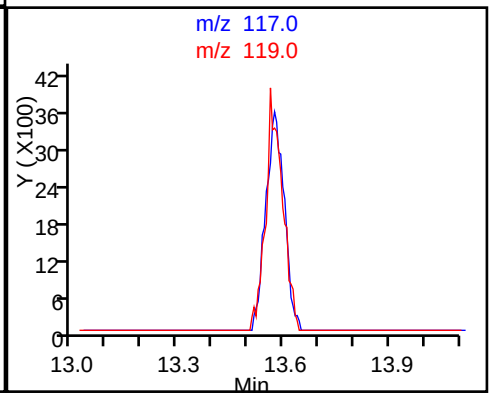












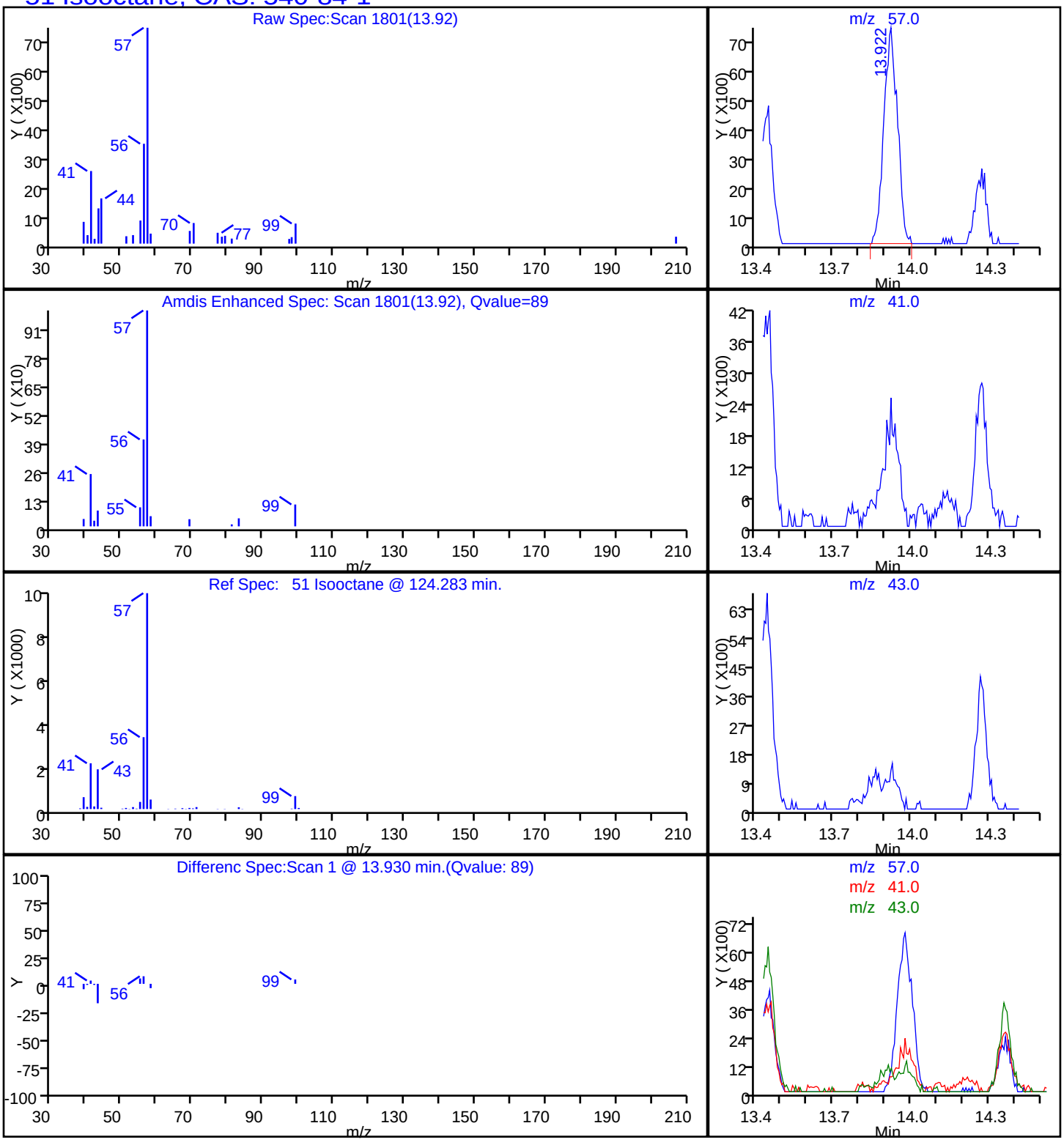
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31
Client ID:	IA-DUP-021214		
Operator ID:	bl	ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

51 Isooctane, CAS: 540-84-1



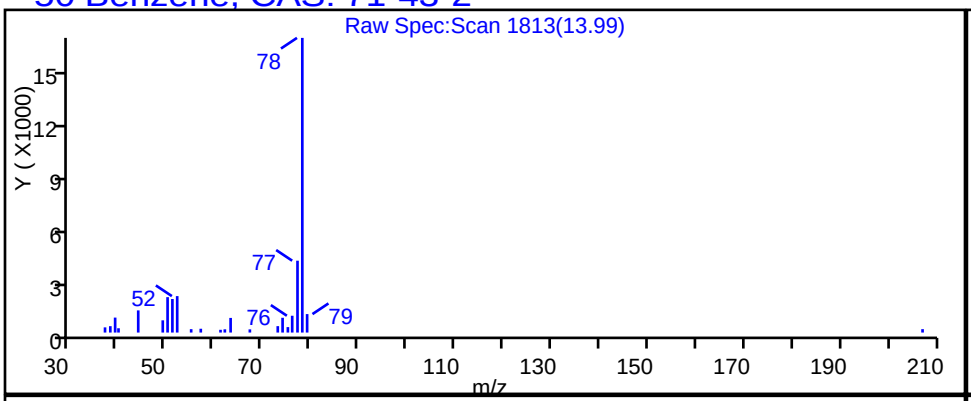
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

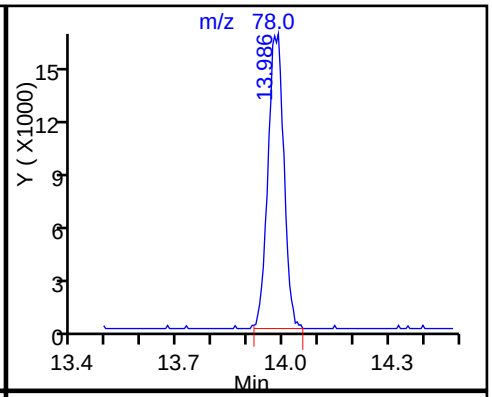
TestAmerica Burlington

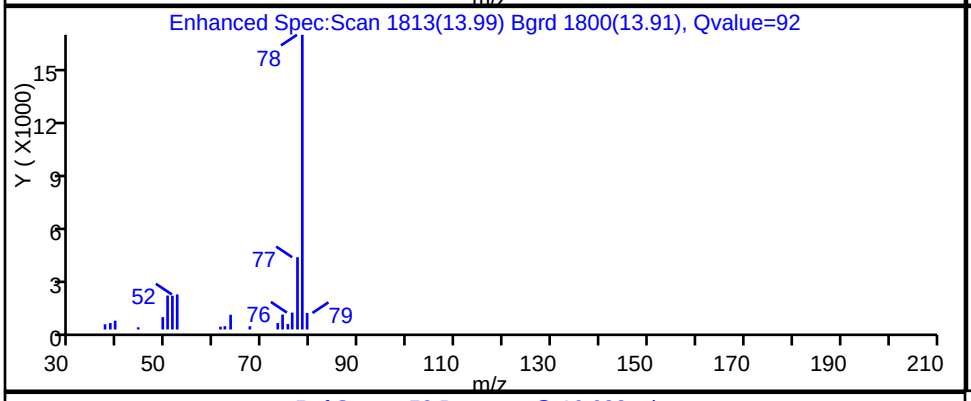
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

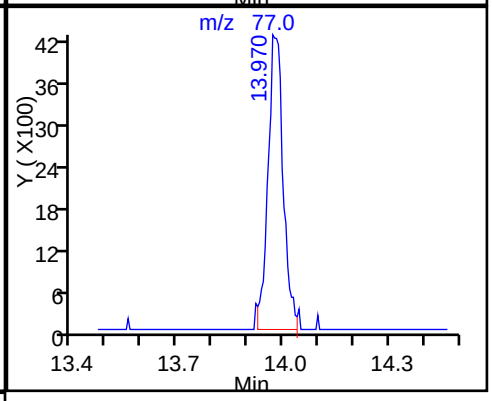
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

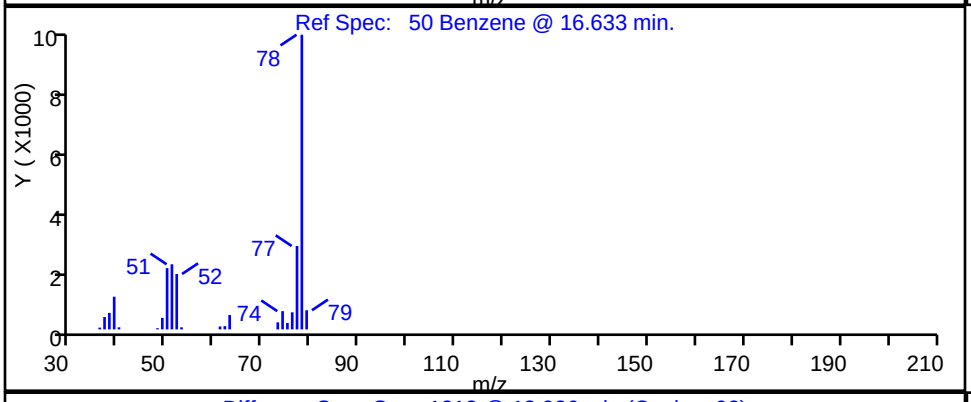
50 Benzene, CAS: 71-43-2

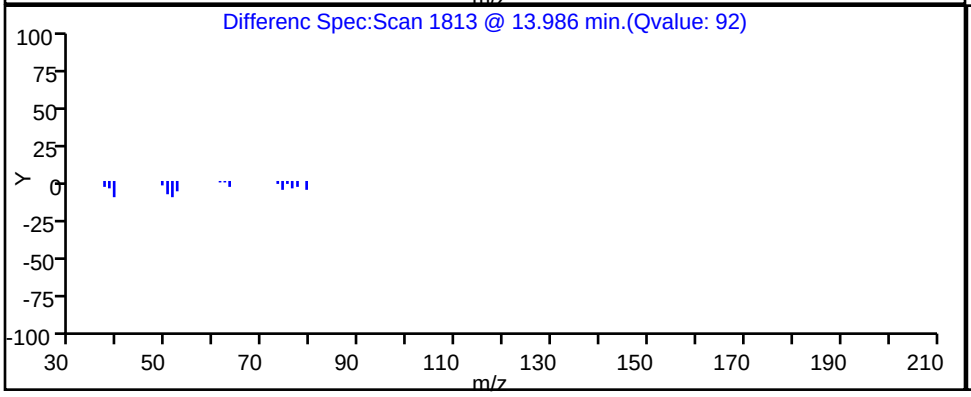


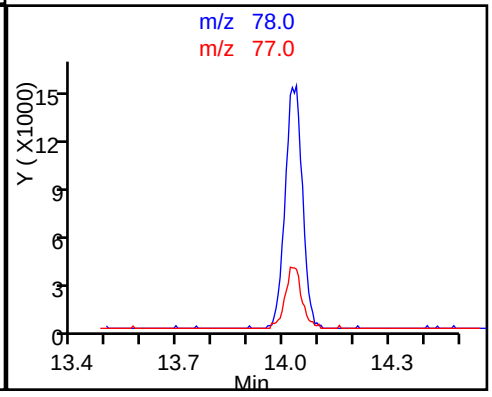












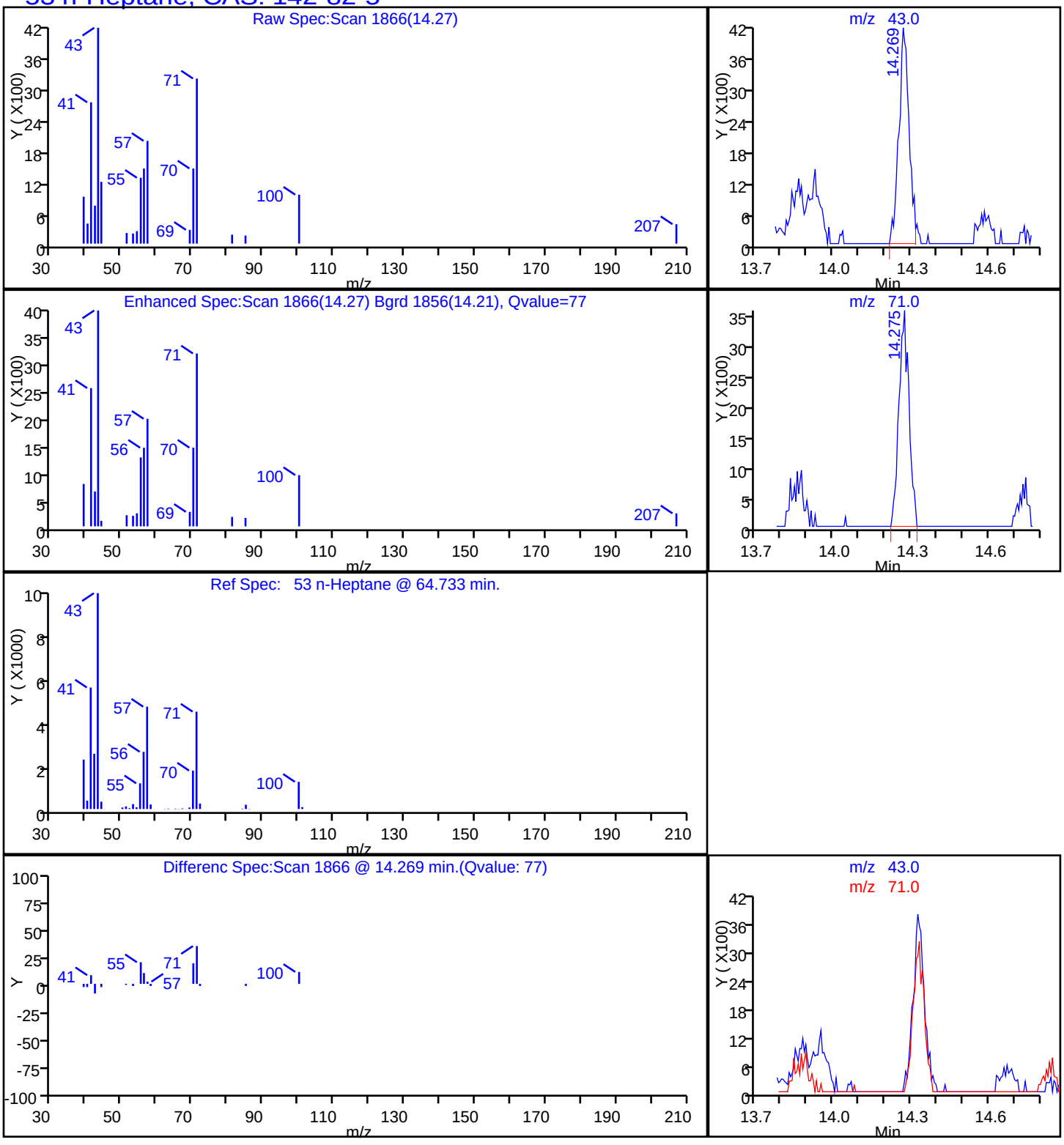
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5



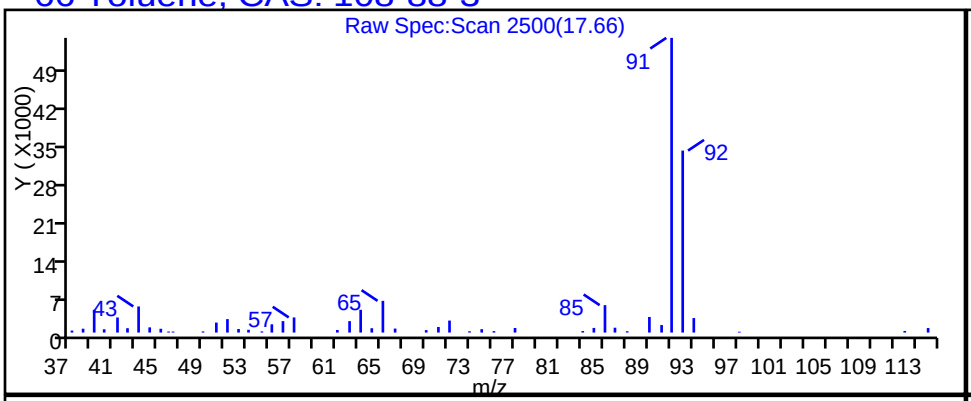
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

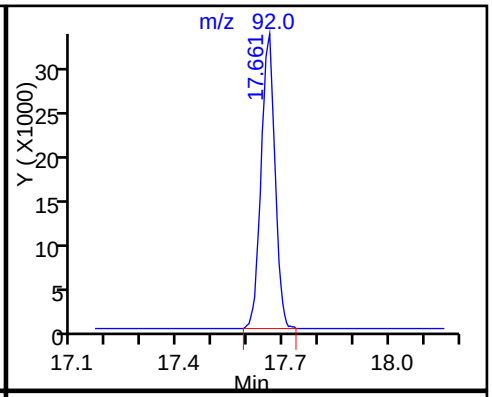
TestAmerica Burlington

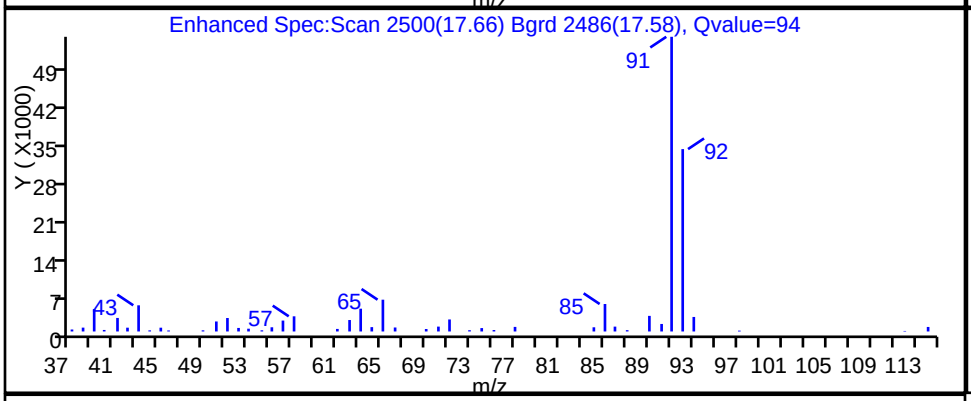
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

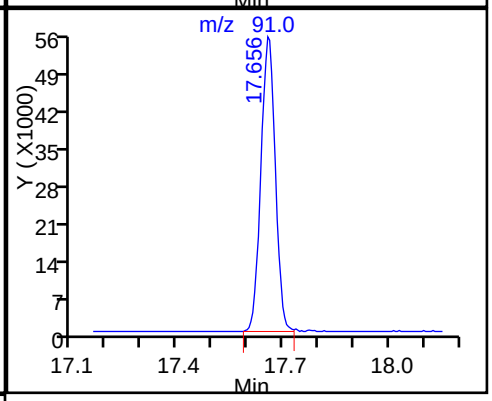
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

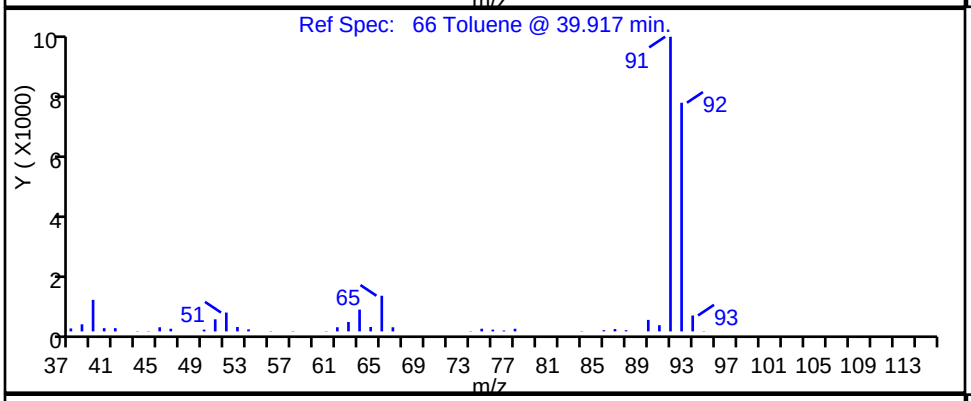
66 Toluene, CAS: 108-88-3

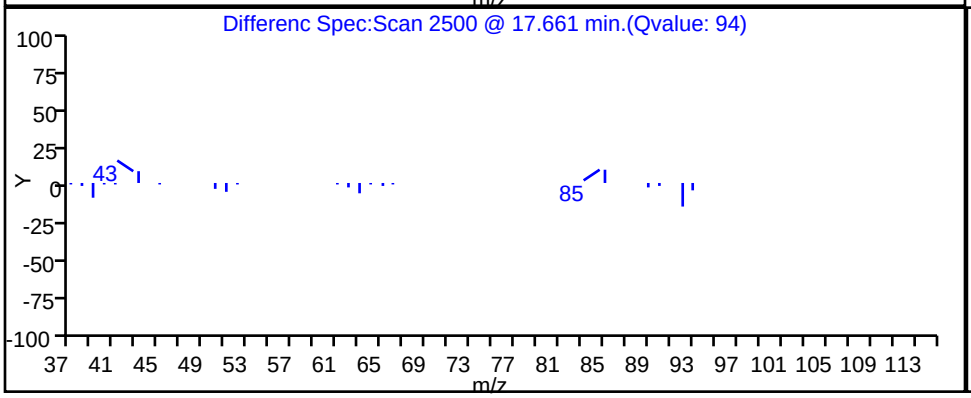


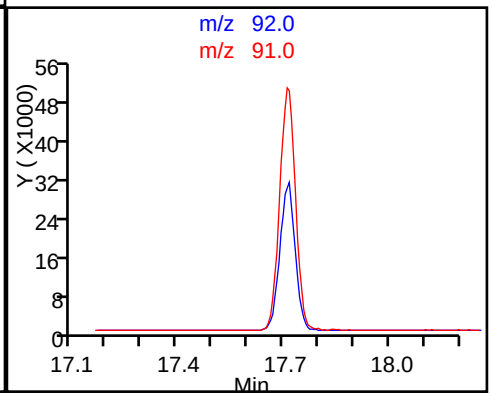












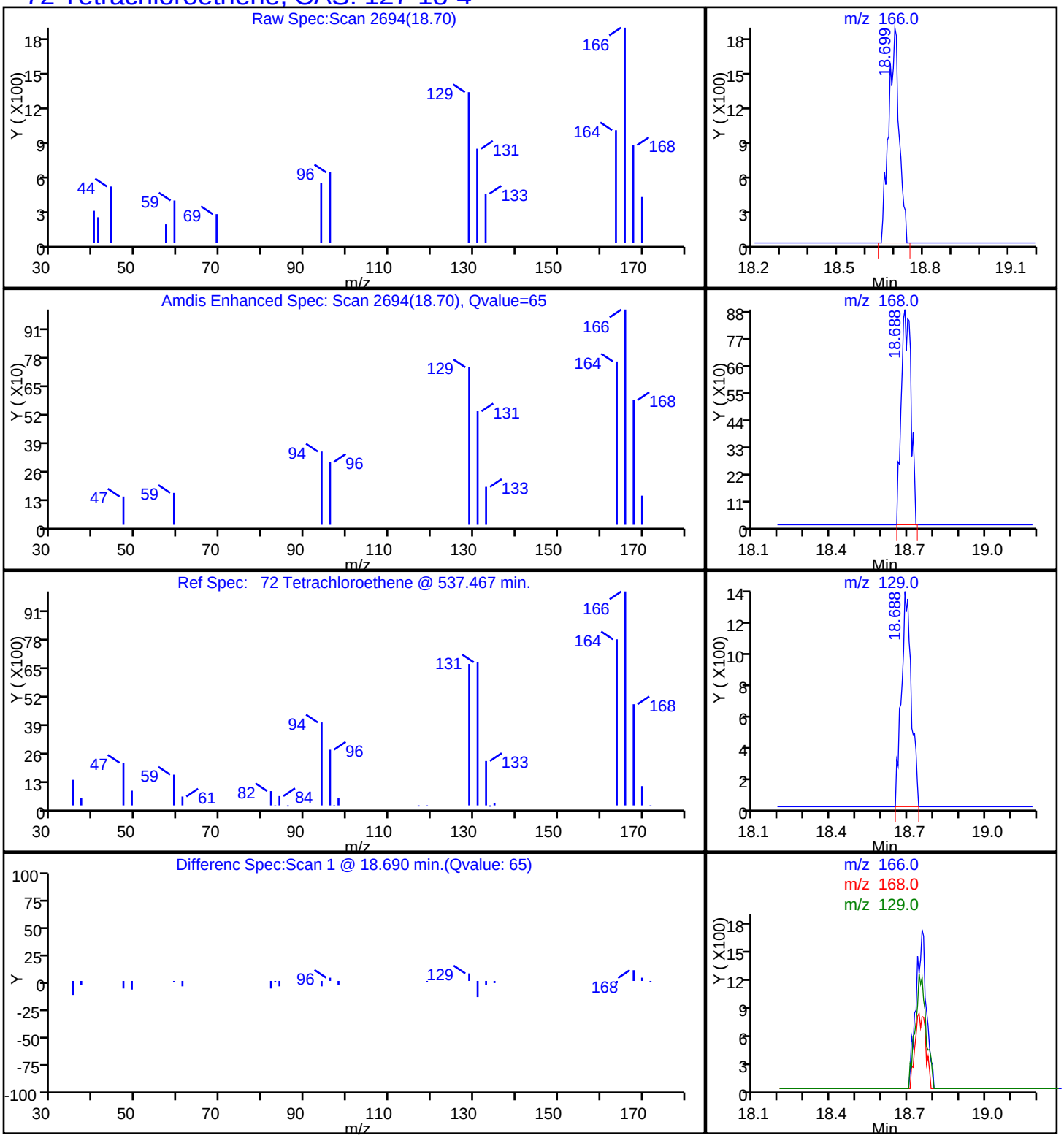
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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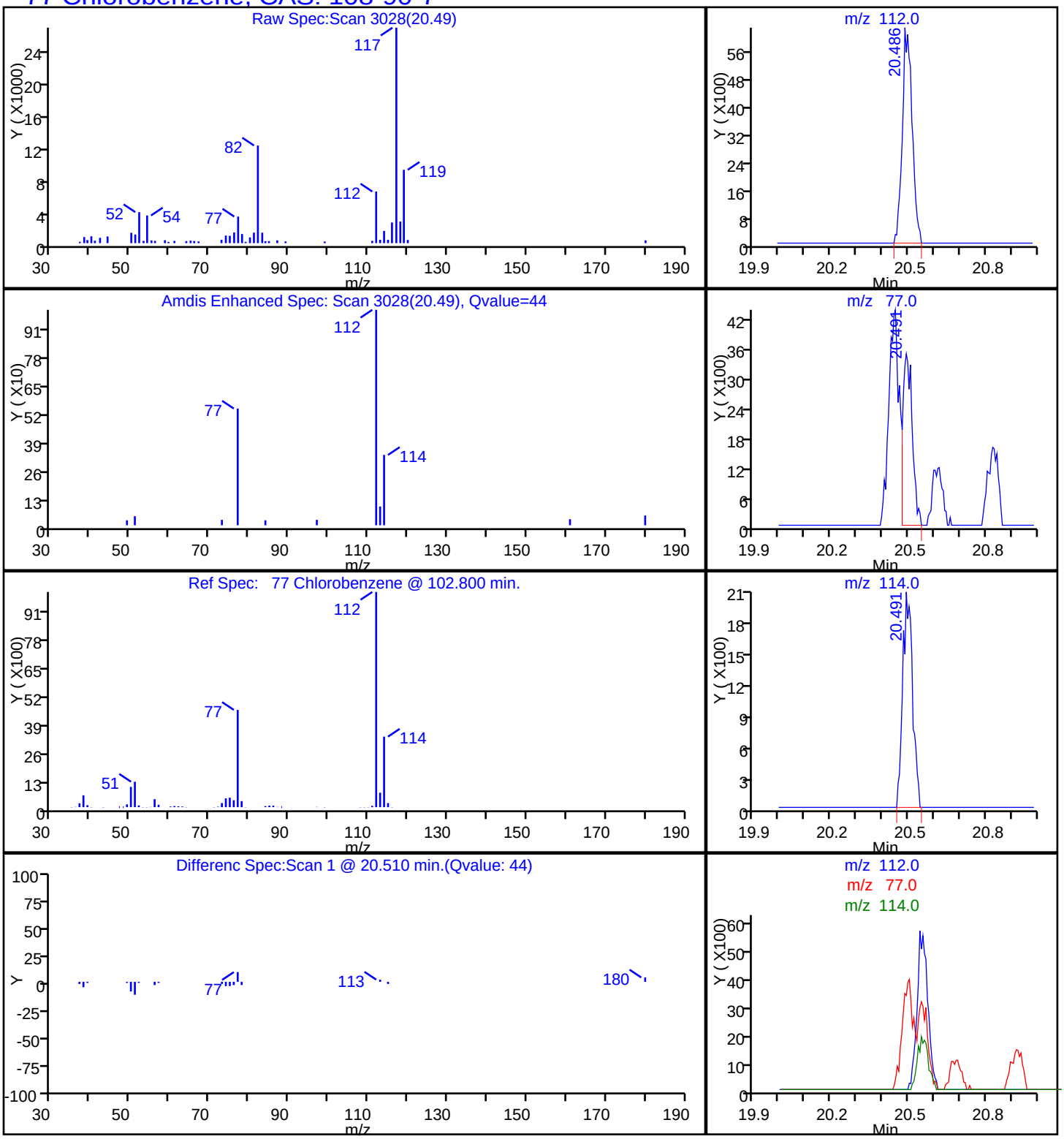
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

77 Chlorobenzene, CAS: 108-90-7



Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

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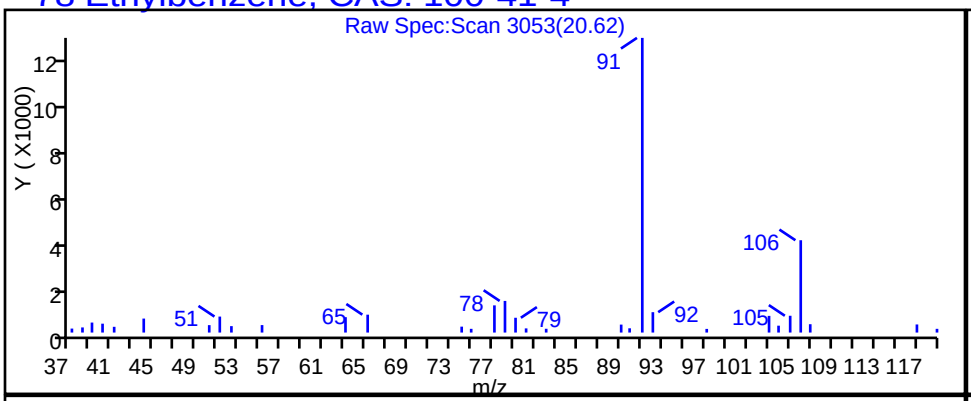
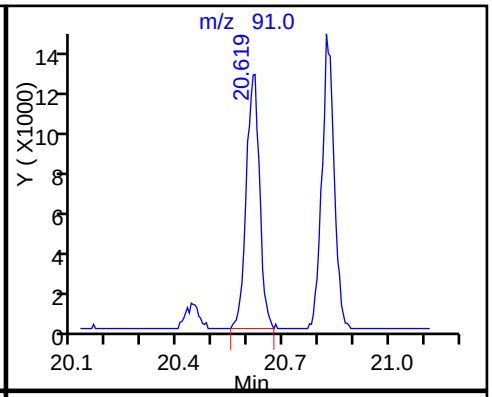
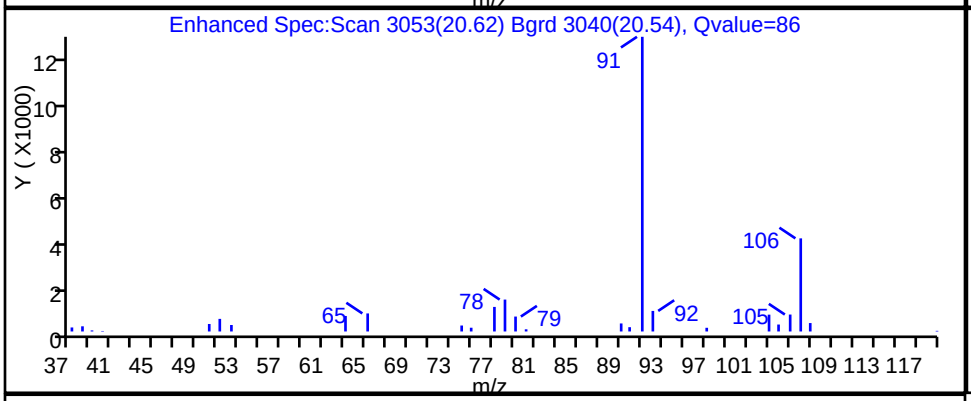
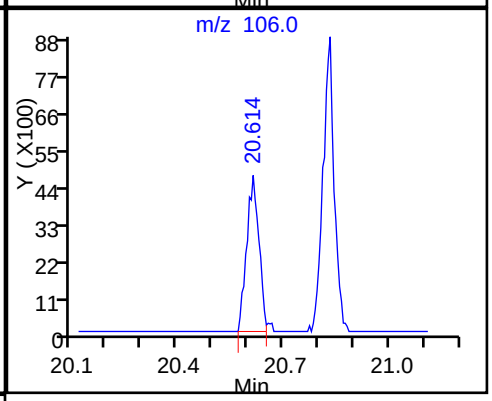
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

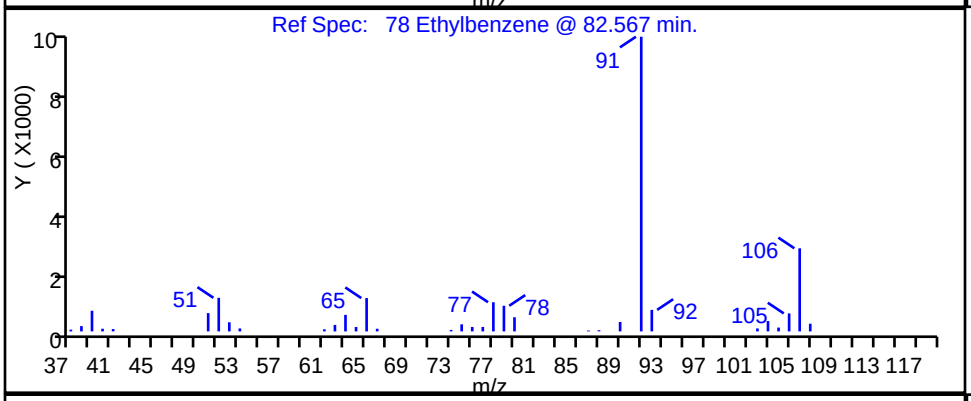
78 Ethylbenzene, CAS: 100-41-4

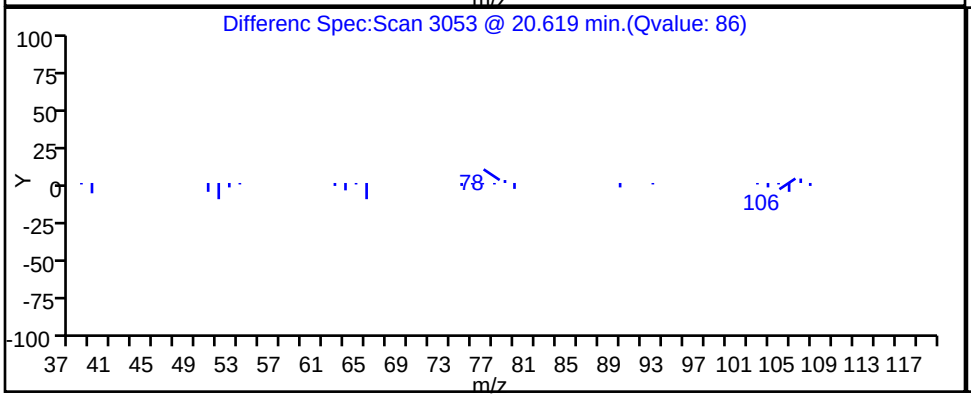


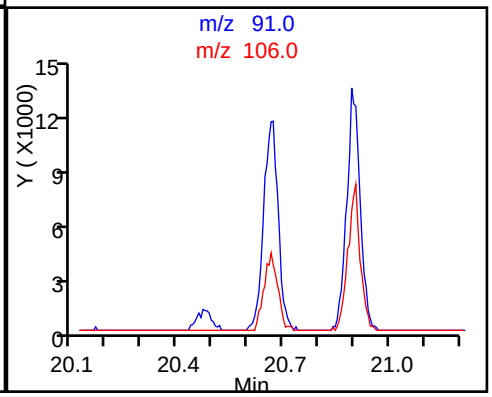












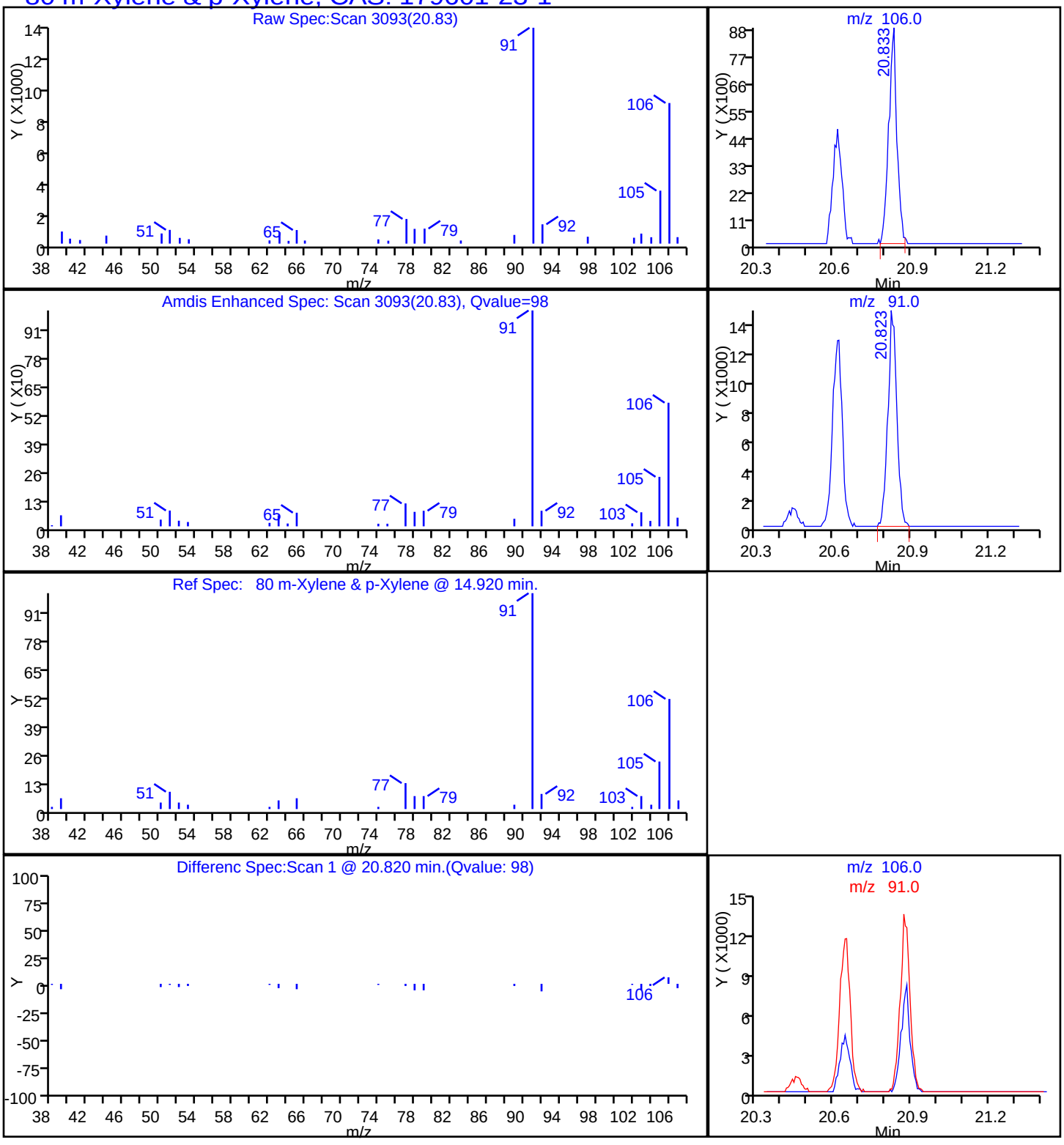
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



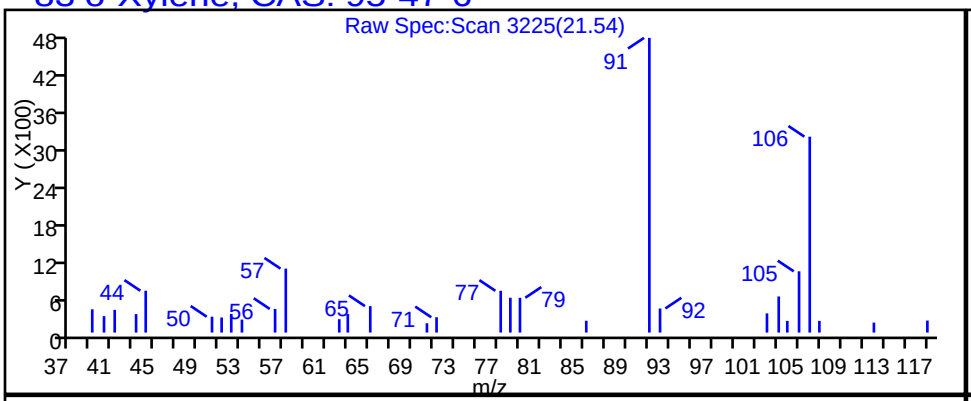
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

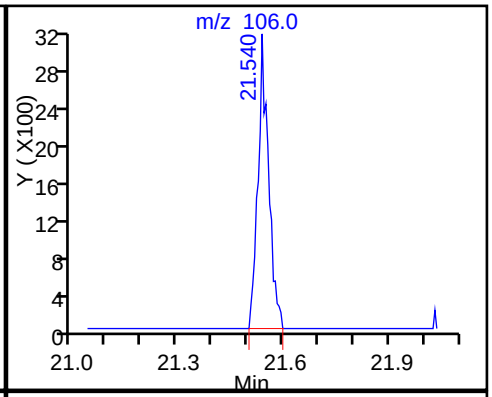
TestAmerica Burlington

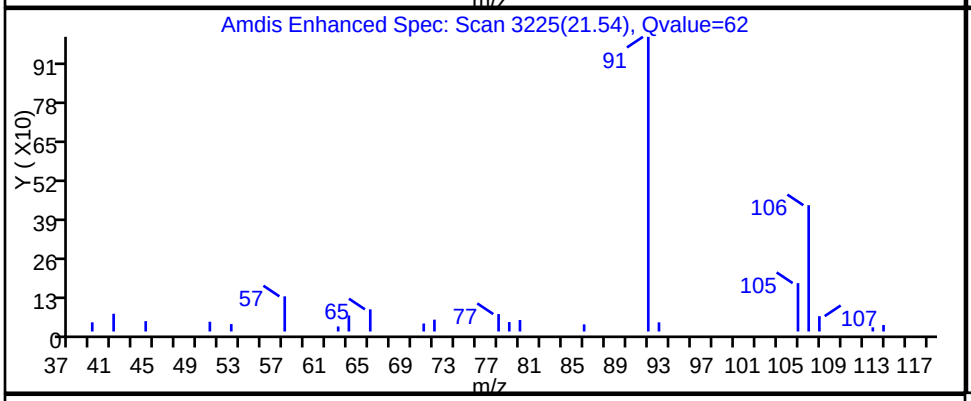
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

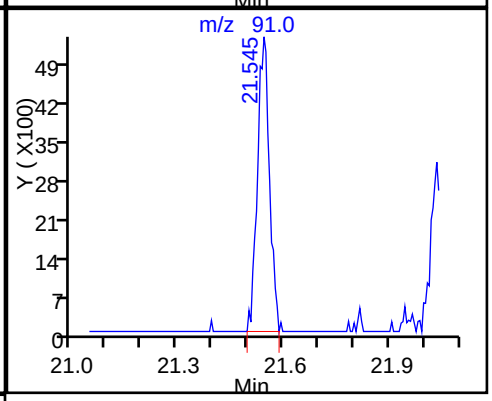
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

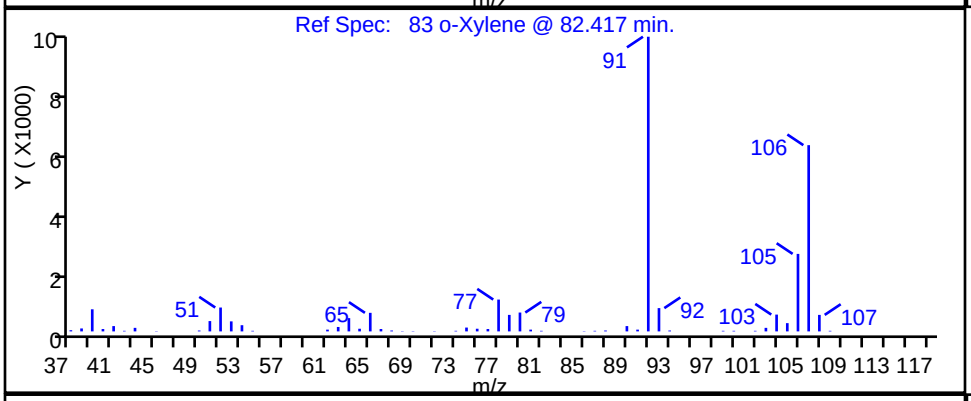
83 o-Xylene, CAS: 95-47-6

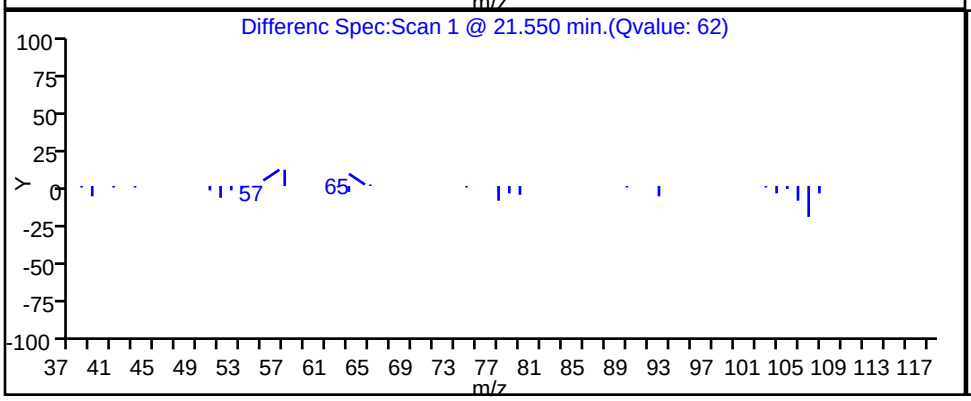


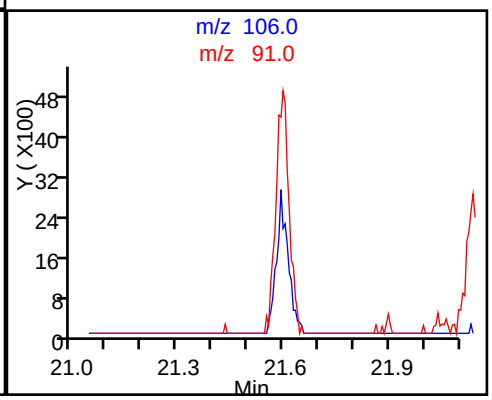












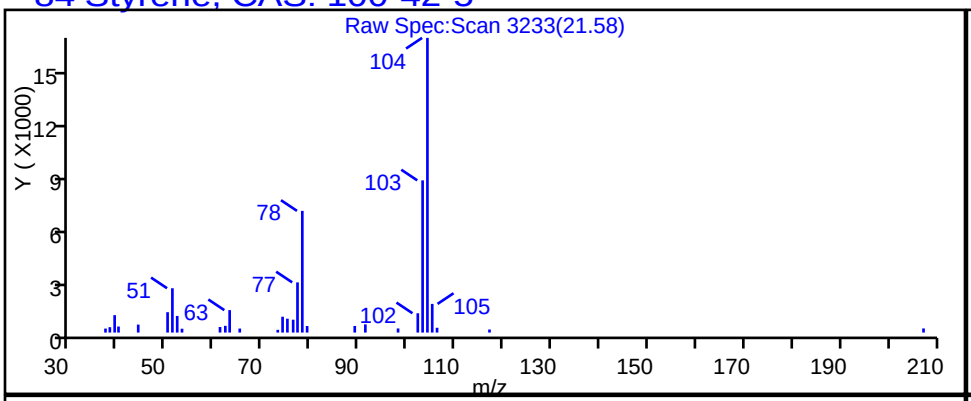
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

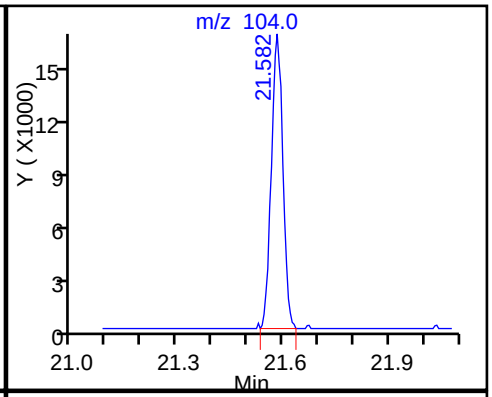
TestAmerica Burlington

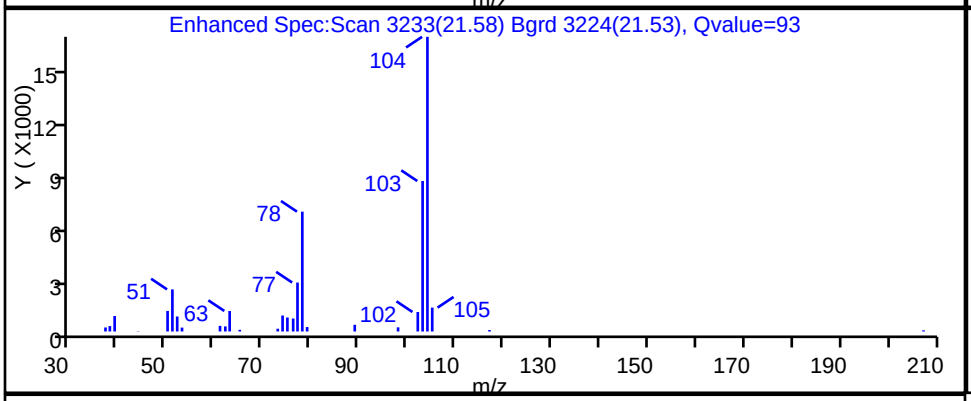
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

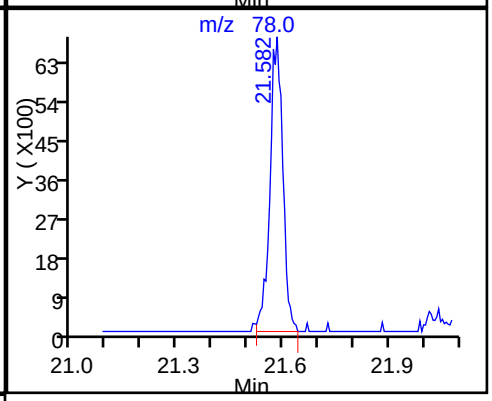
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

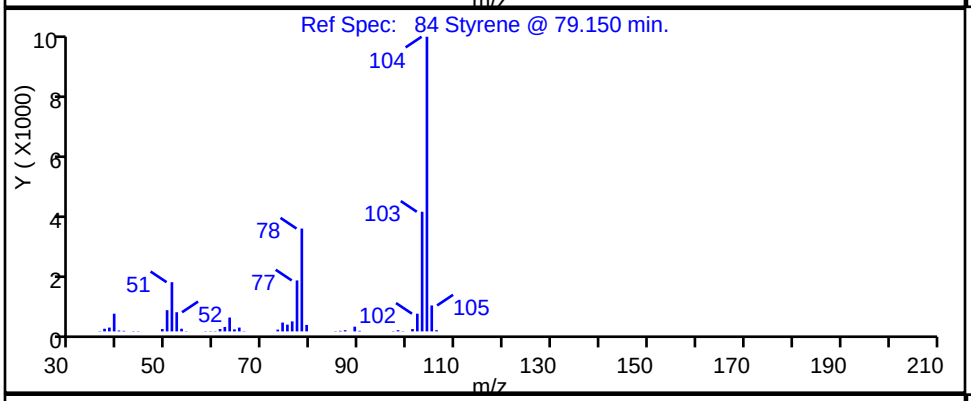
84 Styrene, CAS: 100-42-5

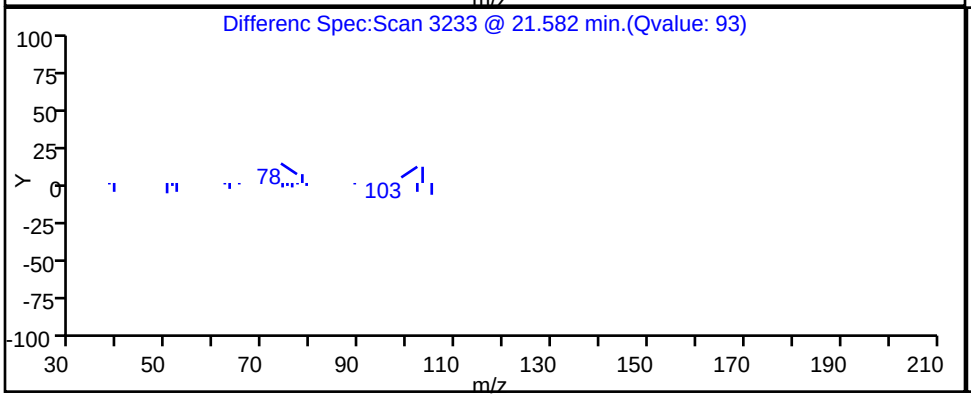


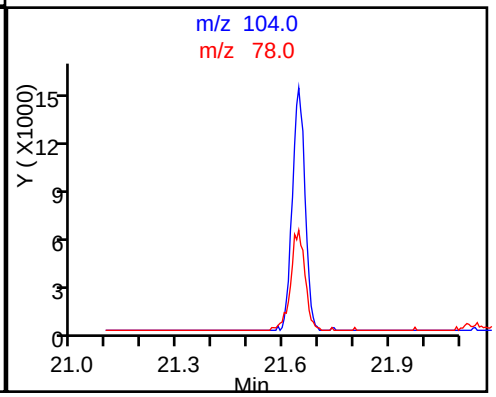












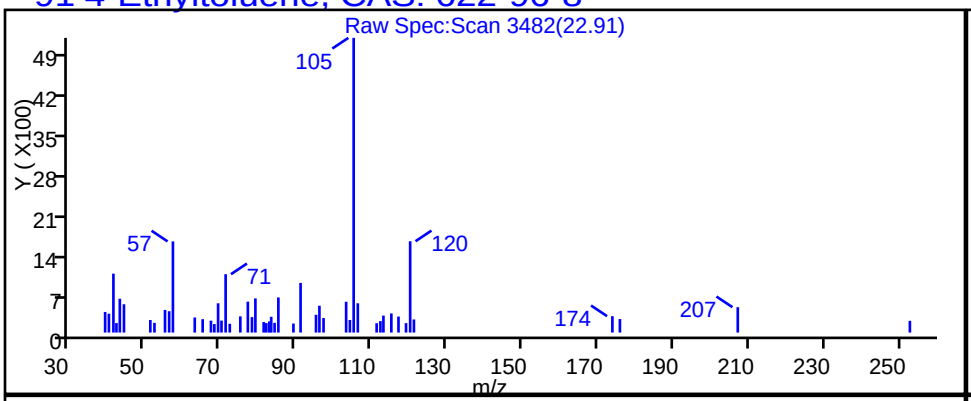
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

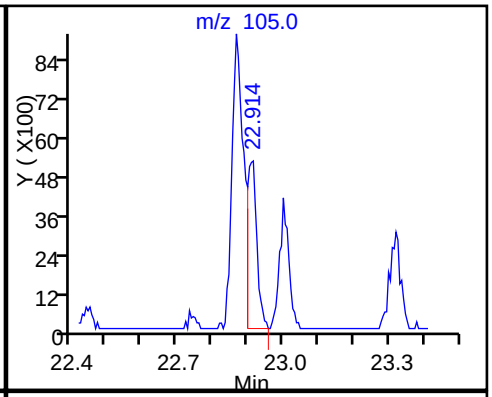
TestAmerica Burlington

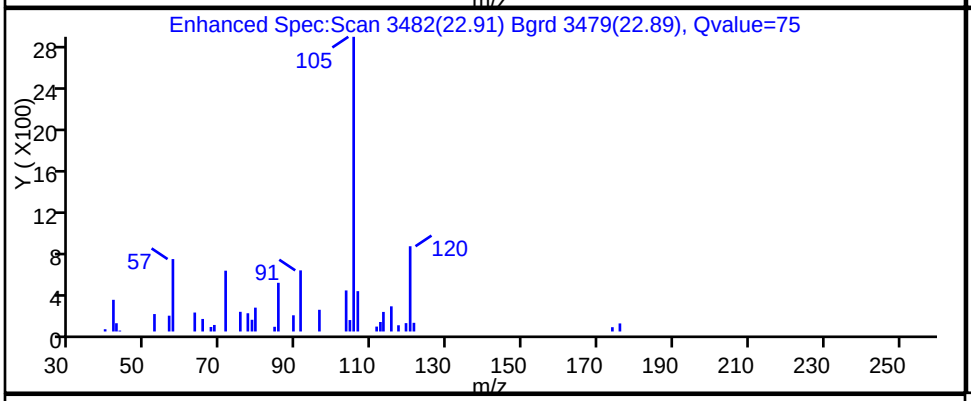
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

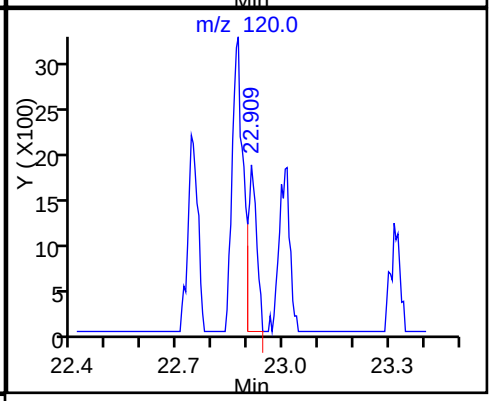
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

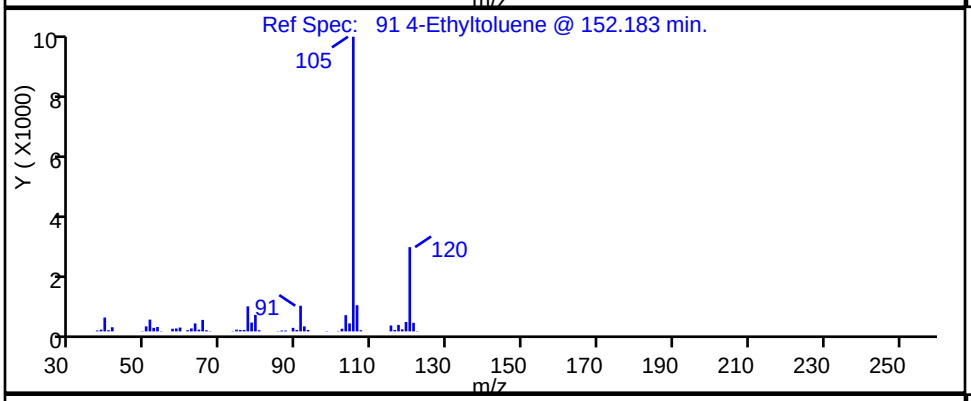
91 4-Ethyltoluene, CAS: 622-96-8

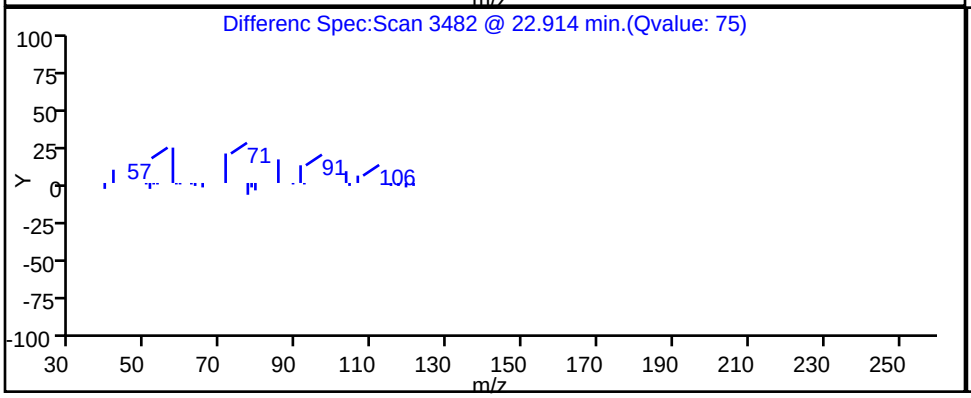


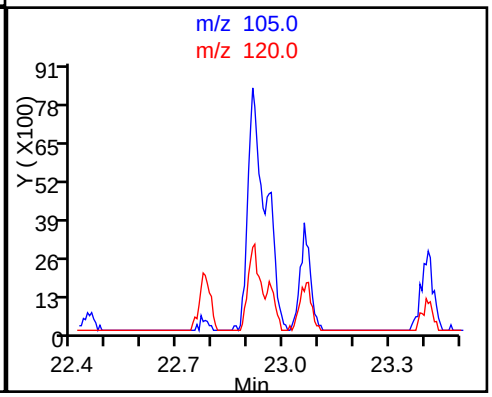












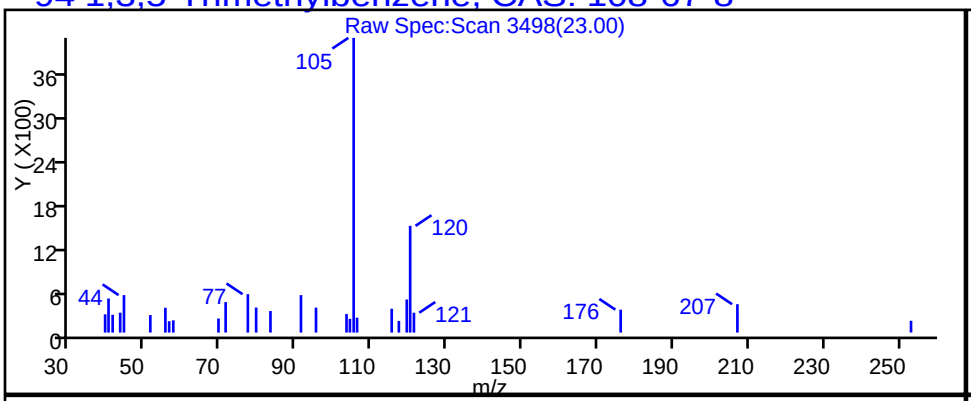
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

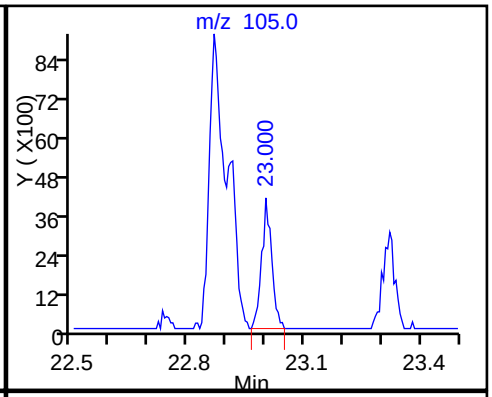
TestAmerica Burlington

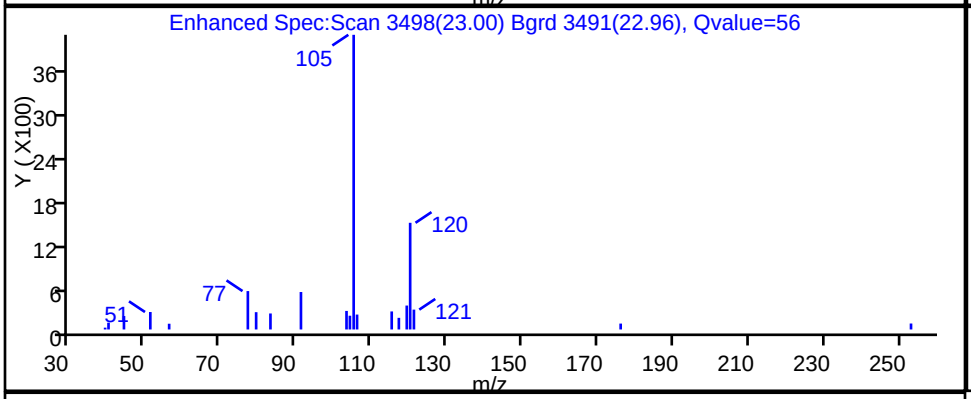
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

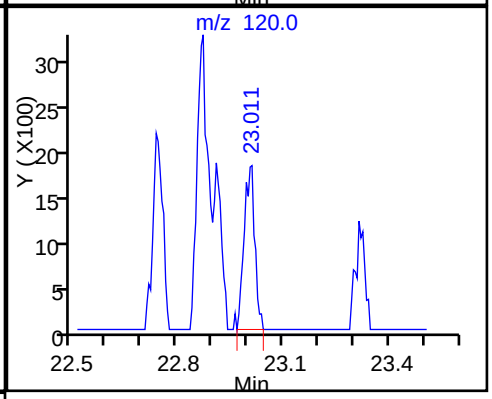
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

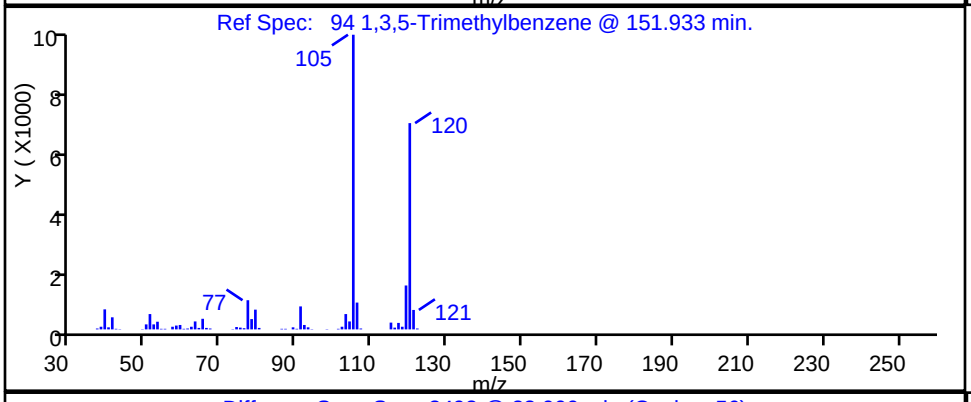
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

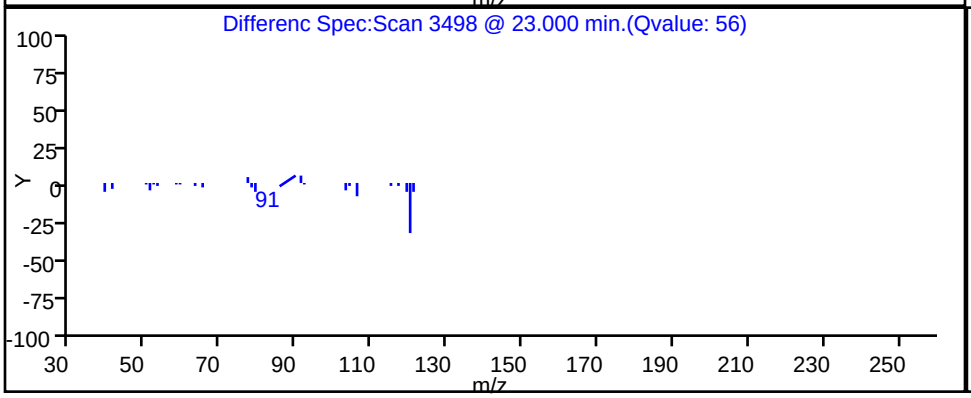


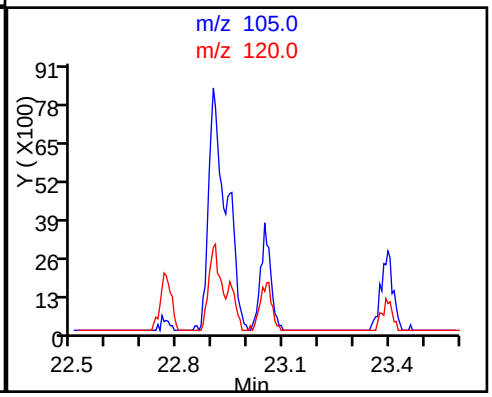












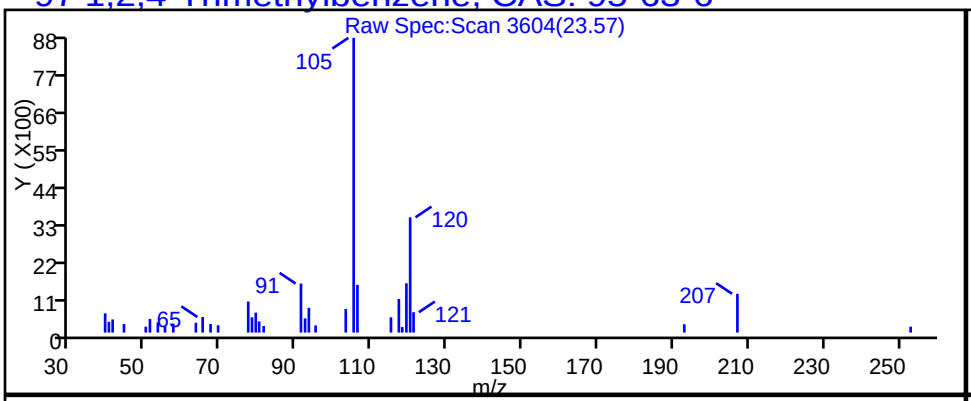
Report Date: 25-Feb-2014 09:48:24 Chrom Revision: 2.2 06-Feb-2014 15:19:06

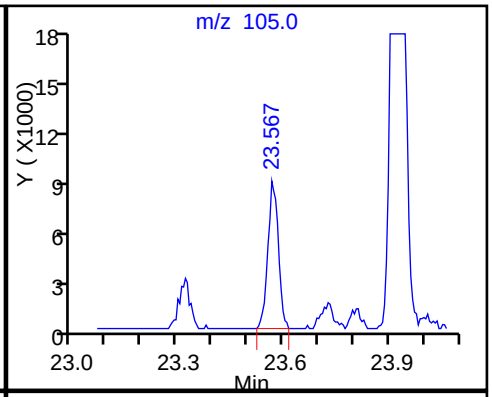
TestAmerica Burlington

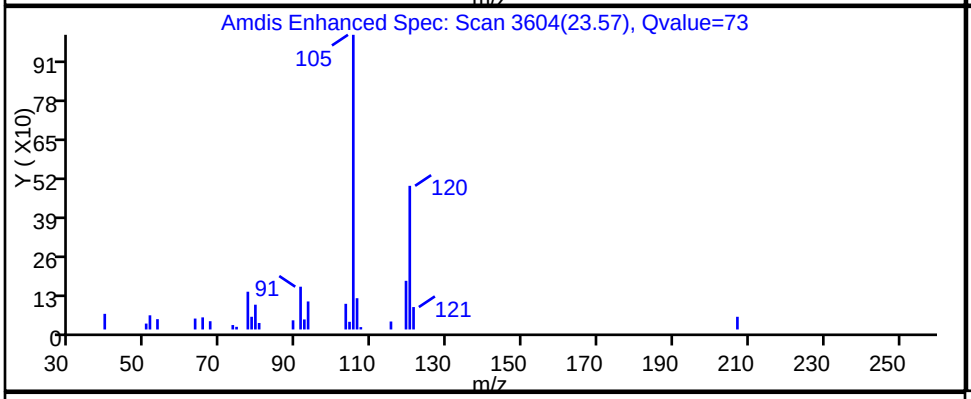
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d

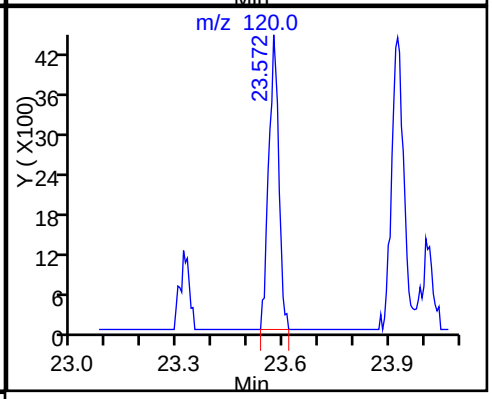
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

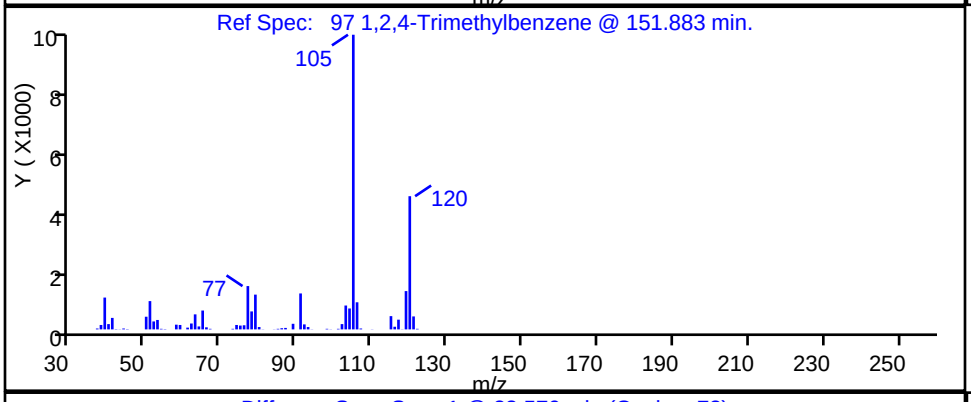
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

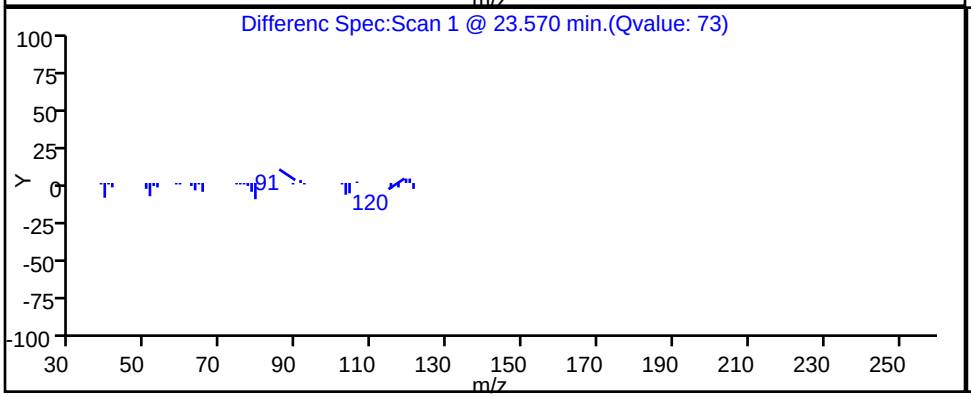


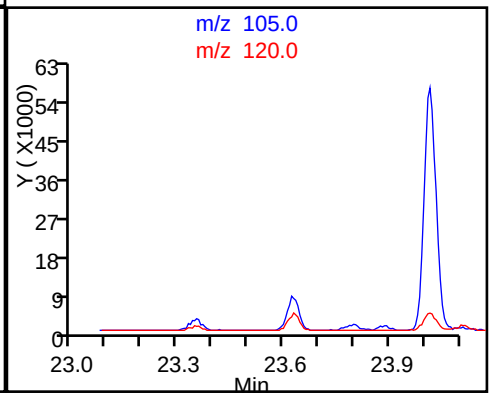












Manual Integration/User Assign Peak Report

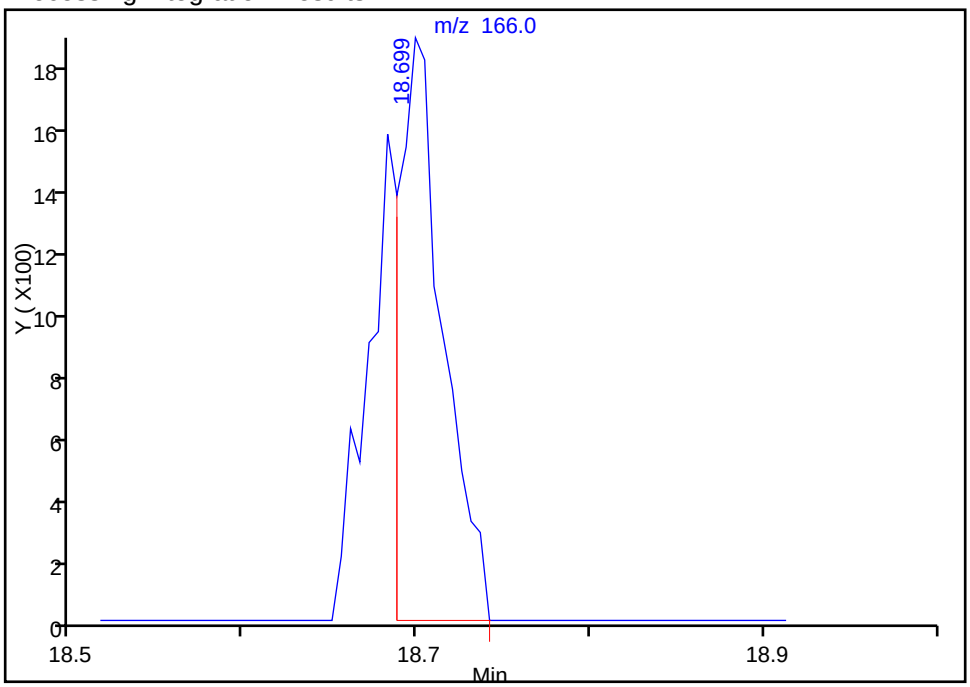
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d				
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

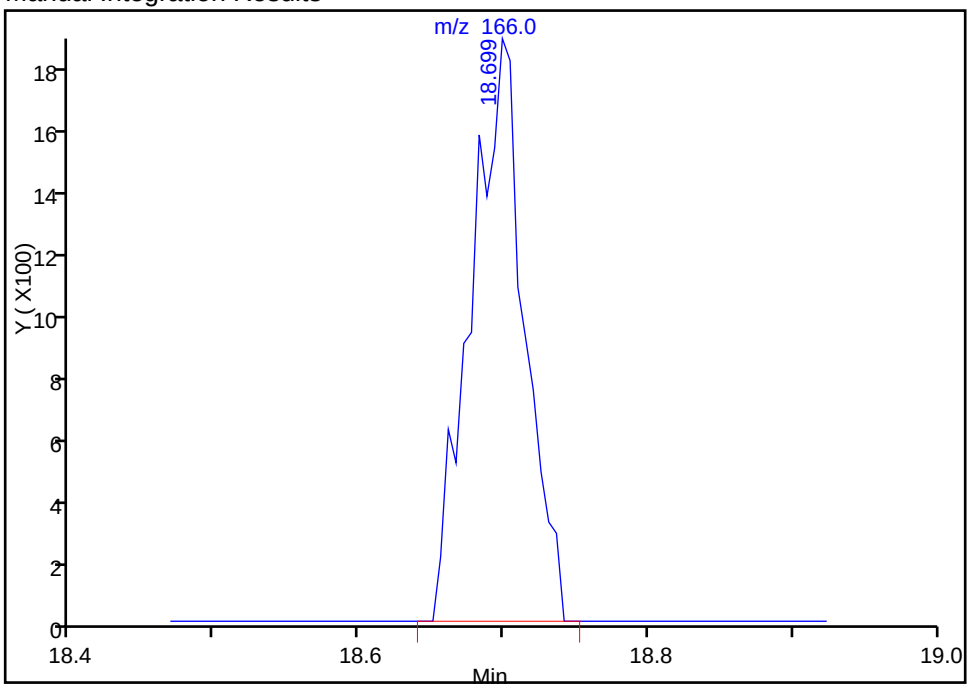
Processing Integration Results

RT: 18.70
Response: 3310
Amount: 0.024302



Manual Integration Results

RT: 18.70
Response: 4816
Amount: 0.035359



Reviewer: lyonsb, 25-Feb-2014 09:11:56
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

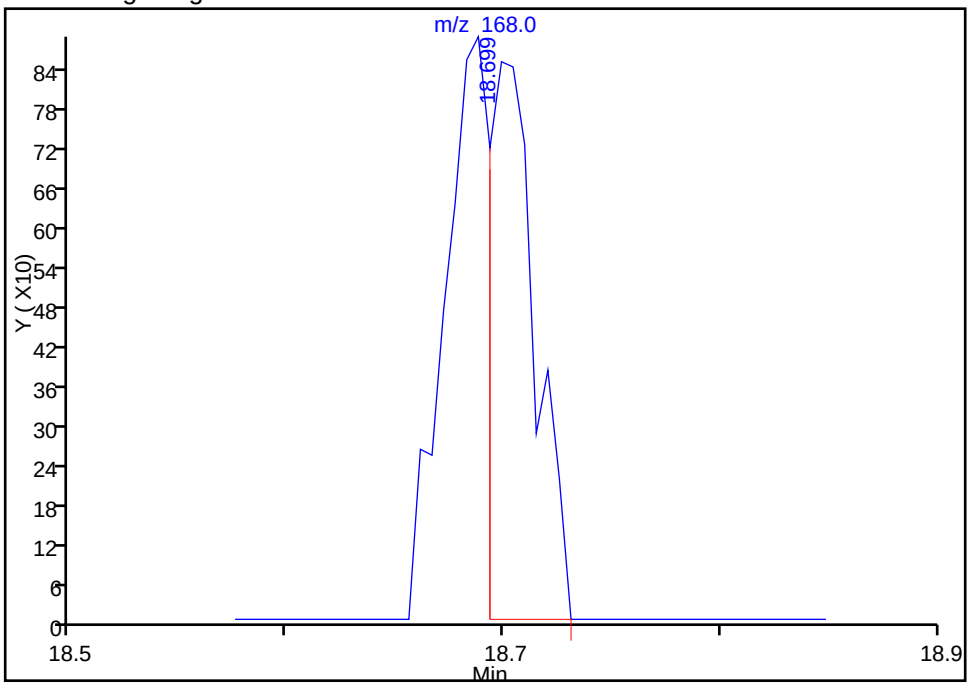
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_009.d				
Injection Date:	24-Feb-2014 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-31	Lab Sample ID:	200-20955-31		
Client ID:	IA-DUP-021214				
Operator ID:	bl	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

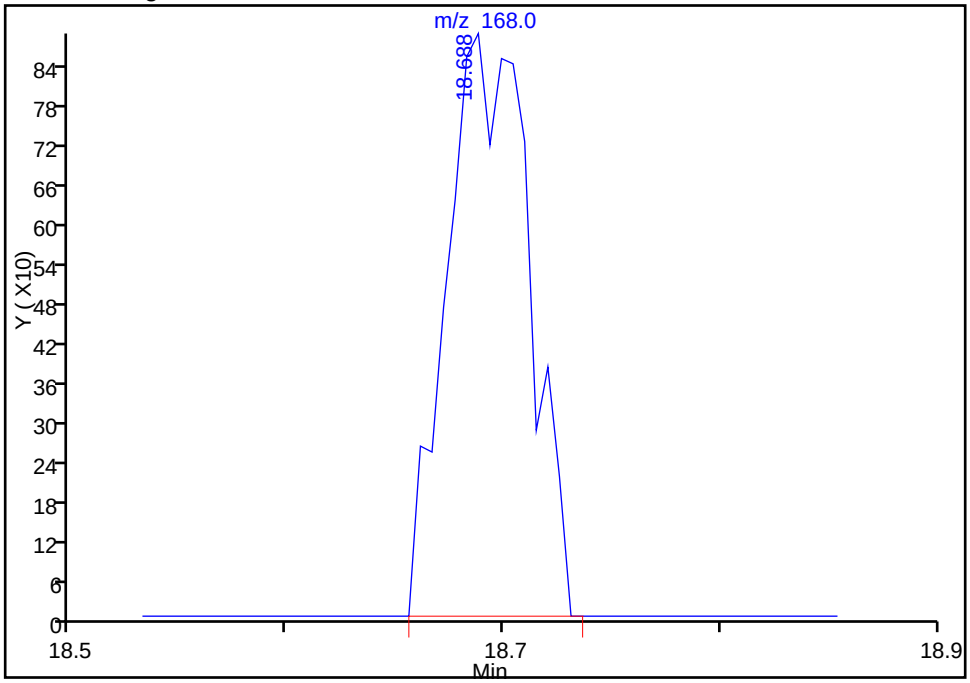
Processing Integration Results

RT: 18.70
Response: 1281
Amount: 0.024302



Manual Integration Results

RT: 18.69
Response: 2354
Amount: 0.035359



Reviewer: lyonsb, 25-Feb-2014 09:11:56
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: AMB-021314 Lab Sample ID: 200-20969-2

Matrix: Air Lab File ID: 6282_021.d

Analysis Method: TO-15 Date Collected: 02/13/2014 20:00

Sample wt/vol: 200(mL) Date Analyzed: 02/25/2014 04:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50		0.50	0.030
75-45-6	Freon 22	86.47	0.30	J	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.54		0.50	0.14
106-97-8	n-Butane	58.12	2.2		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.22		0.20	0.030
76-13-1	Freon 113	187.38	0.077	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	4.0	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	2.3	J	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.52		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.087	J	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.074		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.15	J	0.20	0.027
71-43-2	Benzene	78.11	0.43		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.33		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: AMB-021314 Lab Sample ID: 200-20969-2

Matrix: Air Lab File ID: 6282_021.d

Analysis Method: TO-15 Date Collected: 02/13/2014 20:00

Sample wt/vol: 200(mL) Date Analyzed: 02/25/2014 04:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.16		0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.51		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.077	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.22	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.071	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.29		0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.022	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.020	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.051	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: AMB-021314 Lab Sample ID: 200-20969-2

Matrix: Air Lab File ID: 6282_021.d

Analysis Method: TO-15 Date Collected: 02/13/2014 20:00

Sample wt/vol: 200(mL) Date Analyzed: 02/25/2014 04:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: AMB-021314 Lab Sample ID: 200-20969-2

Matrix: Air Lab File ID: 6282_021.d

Analysis Method: TO-15 Date Collected: 02/13/2014 20:00

Sample wt/vol: 200(mL) Date Analyzed: 02/25/2014 04:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5		2.5	0.15
75-45-6	Freon 22	86.47	1.1	J	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.1		1.0	0.28
106-97-8	n-Butane	58.12	5.1		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.2		1.1	0.17
76-13-1	Freon 113	187.38	0.59	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	9.6	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	5.8	J	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	1.8		0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.30	J	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.47		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.72	J	0.93	0.13
71-43-2	Benzene	78.11	1.4		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	1.4		0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: AMB-021314 Lab Sample ID: 200-20969-2

Matrix: Air Lab File ID: 6282_021.d

Analysis Method: TO-15 Date Collected: 02/13/2014 20:00

Sample wt/vol: 200(mL) Date Analyzed: 02/25/2014 04:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.84		0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	1.9		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.33	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.96	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.31	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	1.3		0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.11	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.097	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.25	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: AMB-021314 Lab Sample ID: 200-20969-2

Matrix: Air Lab File ID: 6282_021.d

Analysis Method: TO-15 Date Collected: 02/13/2014 20:00

Sample wt/vol: 200(mL) Date Analyzed: 02/25/2014 04:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d
Lims ID: 200-20969-A-2 Lab Sample ID: 200-20969-2
Client ID: AMB-021314
Sample Type: Client
Inject. Date: 25-Feb-2014 04:13:30 ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006282-021
Misc. Info.: 200-20969-A-2
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 10:25:09 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 25-Feb-2014 09:56:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.501	4.463	0.038	98	72510	0.5034	
6 Chlorodifluoromethane	51	4.565	4.528	0.037	38	16345	0.2996	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.816					
8 Chloromethane	50	5.041	5.009	0.032	92	13416	0.5411	
9 Butane	43	5.314	5.276	0.038	94	86771	2.16	
10 Vinyl chloride	62		5.335					
11 Butadiene	54		5.432					
12 Bromomethane	94		6.298					
14 Chloroethane	64		6.587					
16 Vinyl bromide	106		7.063					
17 Trichlorofluoromethane	101	7.224	7.181	0.043	92	34907	0.2162	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.454	8.433	0.021	73	7750	0.0767	M
24 1,1-Dichloroethene	96		8.508					
25 Acetone	43	8.791	8.743	0.048	87	184531	4.04	
26 Carbon disulfide	76		8.995					
27 Isopropyl alcohol	45	9.112	9.027	0.085	95	89993	2.35	
29 3-Chloro-1-propene	41		9.401					
31 Methylene Chloride	49		9.727					
32 2-Methyl-2-propanol	59		9.904					
33 Methyl tert-butyl ether	73		10.155					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.230					
36 Hexane	57	10.674	10.648	0.026	87	23058	0.5231	
37 1,1-Dichloroethane	63		11.193					
39 cis-1,2-Dichloroethene	96		12.370					
40 2-Butanone (MEK)	72		12.386					
44 Tetrahydrofuran	42		12.846					
* 43 Chlorobromomethane	128	12.868	12.857	0.011	70	314932	10.0	
45 Chloroform	83		12.964					
46 Cyclohexane	84	13.285	13.258	0.027	80	4687	0.0871	
47 1,1,1-Trichloroethane	97		13.274					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	48 Carbon tetrachloride	117	13.547	13.531	0.016	86	10452	0.0744		
	51 Isooctane	57	13.938	13.922	0.016	90	22160	0.1546		
	50 Benzene	78	13.997	13.980	0.017	92	55650	0.4332		
	52 1,2-Dichloroethane	62		14.141						
	53 n-Heptane	43	14.291	14.269	0.022	71	14765	0.3299		
*	54 1,4-Difluorobenzene	114	14.751	14.745	0.006	93	1473988	10.0		
	56 Trichloroethene	95	15.222	15.206	0.016	79	10382	0.1570		
	58 1,2-Dichloropropane	63		15.730						
	59 Methyl methacrylate	69		15.810						
	60 1,4-Dioxane	88		15.901						
	62 Dichlorobromomethane	83		16.217						
	64 cis-1,3-Dichloropropene	75		17.083						
	65 4-Methyl-2-pentanone (MIBK)	43		17.319						
	66 Toluene	92	17.661	17.656	0.005	93	48399	0.5140		
	70 trans-1,3-Dichloropropene	75		18.191						
	71 1,1,2-Trichloroethane	83		18.554						
	72 Tetrachloroethene	166		18.699						
	73 2-Hexanone	43		18.945						
	74 Chlorodibromomethane	129		19.314						
	75 Ethylene Dibromide	107		19.598						
S	82 Xylenes, Total	106				0		0.2910		7
*	76 Chlorobenzene-d5	117	20.448	20.443	0.005	83	1298327	10.0		
	77 Chlorobenzene	112		20.496						
	78 Ethylbenzene	91	20.614	20.614	0.0	73	16897	0.0768		
	80 m-Xylene & p-Xylene	106	20.833	20.833	0.0	99	19526	0.2201		
	83 o-Xylene	106	21.550	21.545	0.005	86	5943	0.0710		
	84 Styrene	104		21.582						
	85 Bromoform	173		21.957						
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	869723	NC		
	88 1,1,2,2-Tetrachloroethane	83		22.668						
	90 N-Propylbenzene	91		22.743						
	91 4-Ethyltoluene	105	22.915	22.909	0.006	65	6379	0.0223		7
	92 2-Chlorotoluene	91		22.941						
	94 1,3,5-Trimethylbenzene	105	23.000	23.000	0.0	50	5243	0.0198		7
	96 tert-Butylbenzene	119		23.476						
	97 1,2,4-Trimethylbenzene	105	23.573	23.567	0.006	79	12868	0.0508		
	98 sec-Butylbenzene	105		23.808						
	99 4-Isopropyltoluene	119		24.011						
	100 1,3-Dichlorobenzene	146		24.081						
	101 1,4-Dichlorobenzene	146		24.225						
	102 Benzyl chloride	91		24.434						
	103 n-Butylbenzene	91		24.648						
	105 1,2-Dichlorobenzene	146		24.830						
	107 1,2,4-Trichlorobenzene	180		27.729						
	108 Hexachlorobutadiene	225		27.932						
	109 Naphthalene	128		28.312						

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

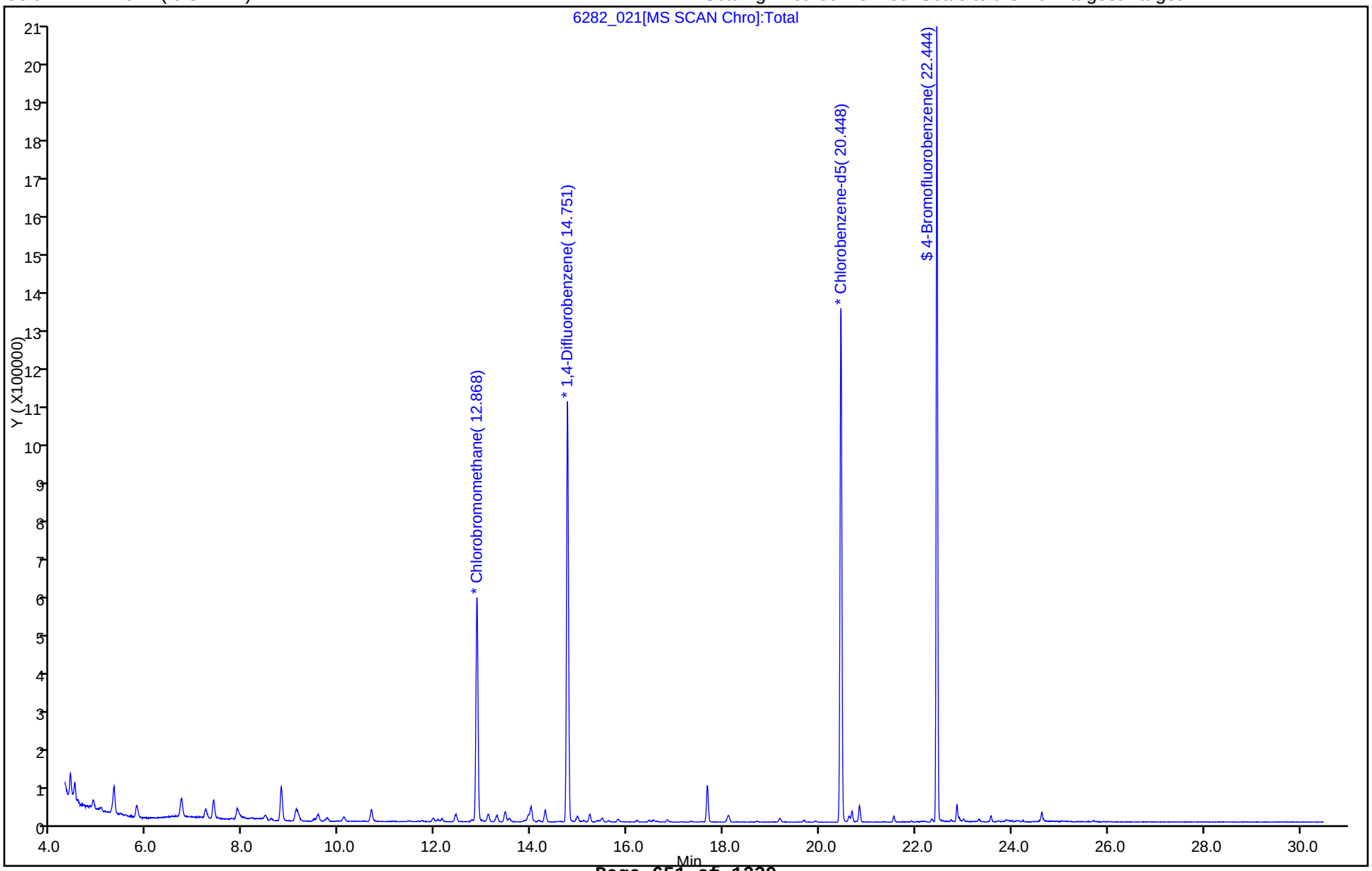
Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d				
Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2	Worklist Smp#:	21
Client ID:	AMB-021314				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



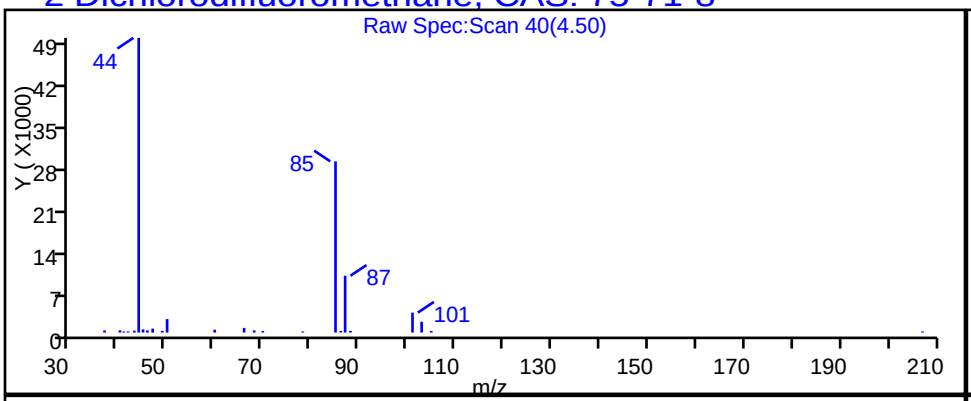
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

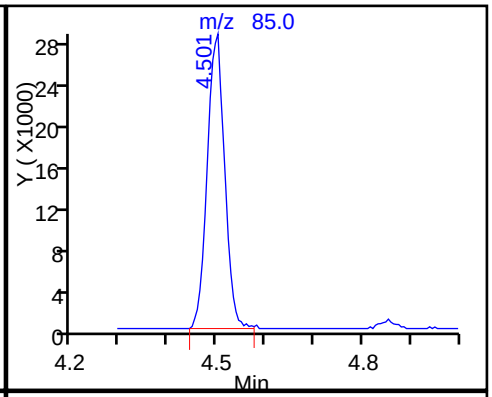
TestAmerica Burlington

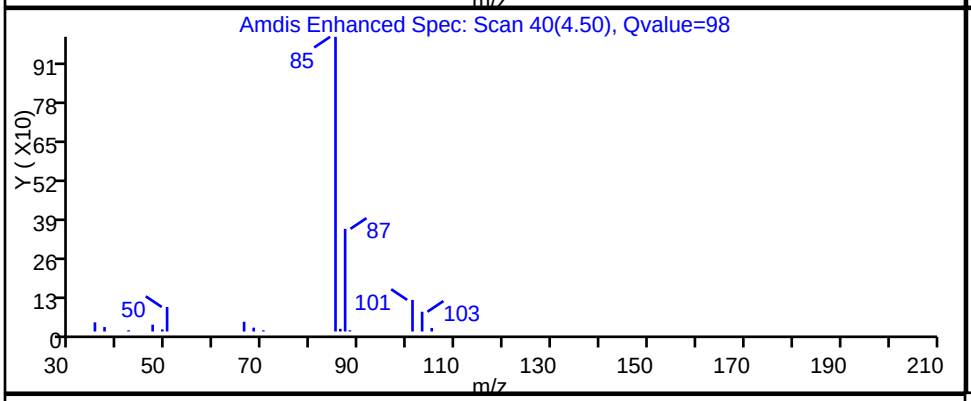
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

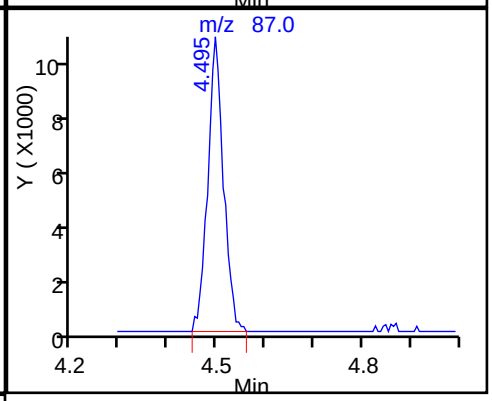
Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

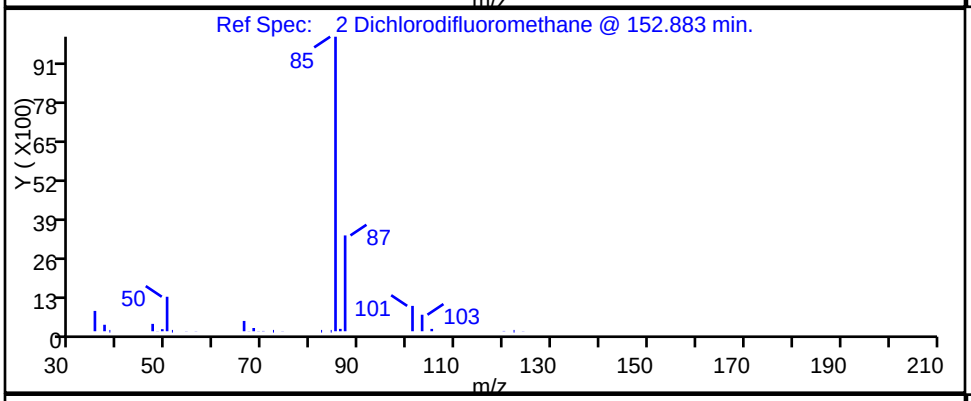
2 Dichlorodifluoromethane, CAS: 75-71-8

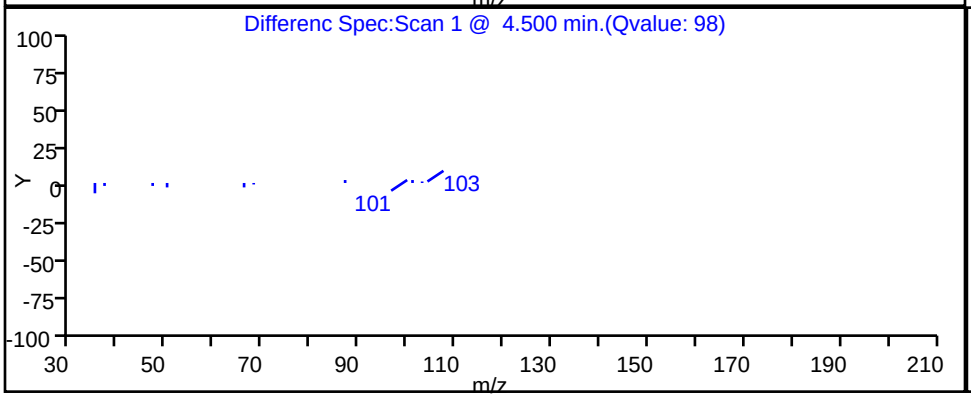


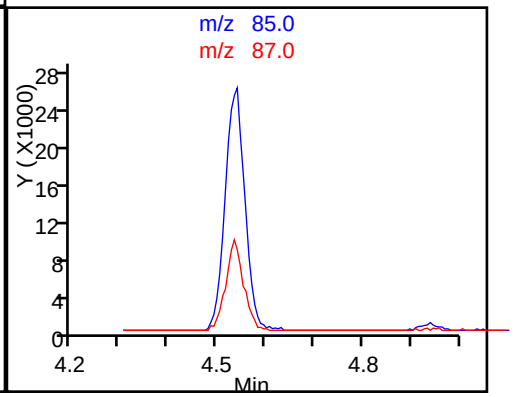










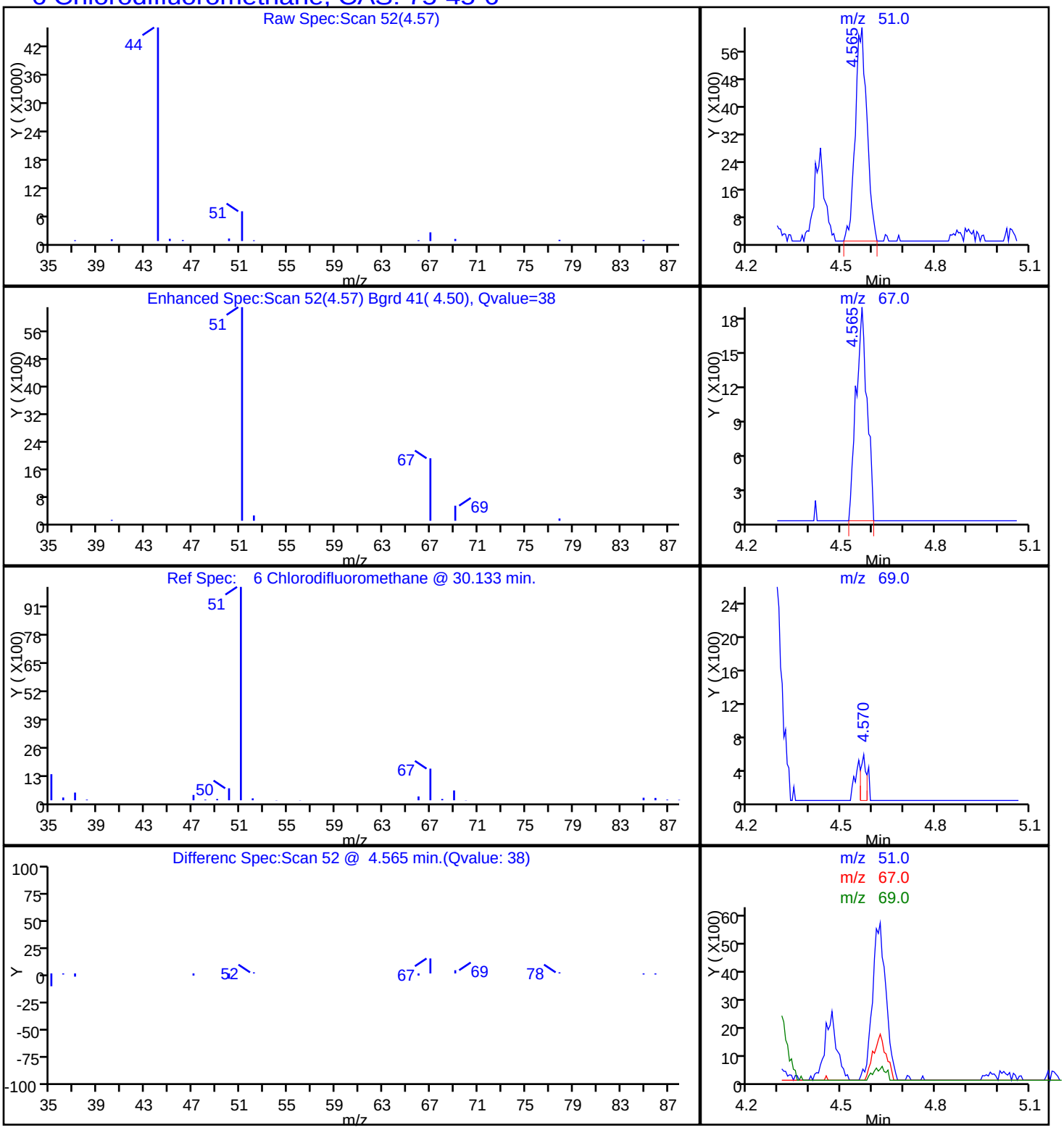


Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d				
Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



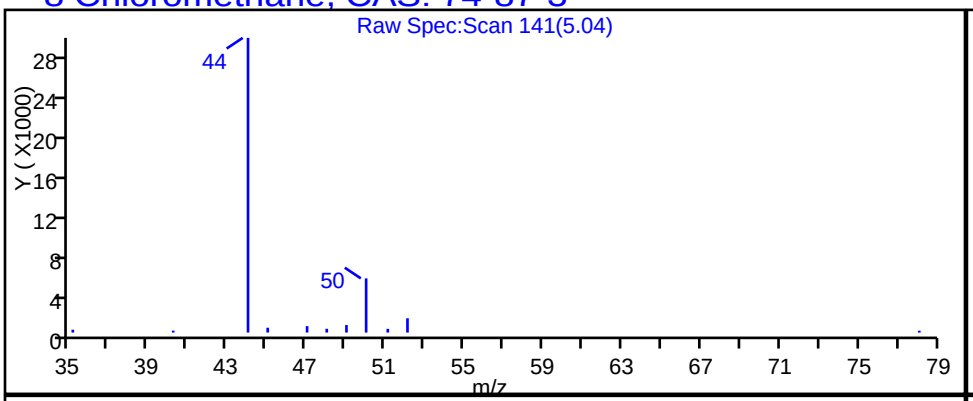
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

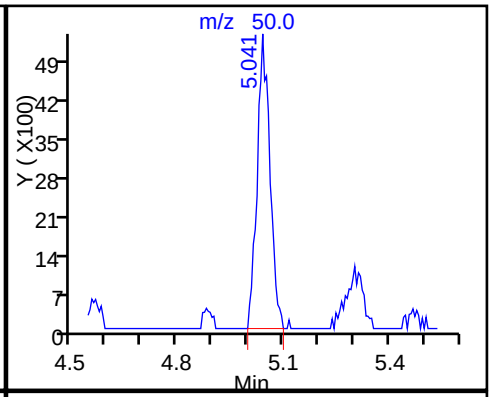
TestAmerica Burlington

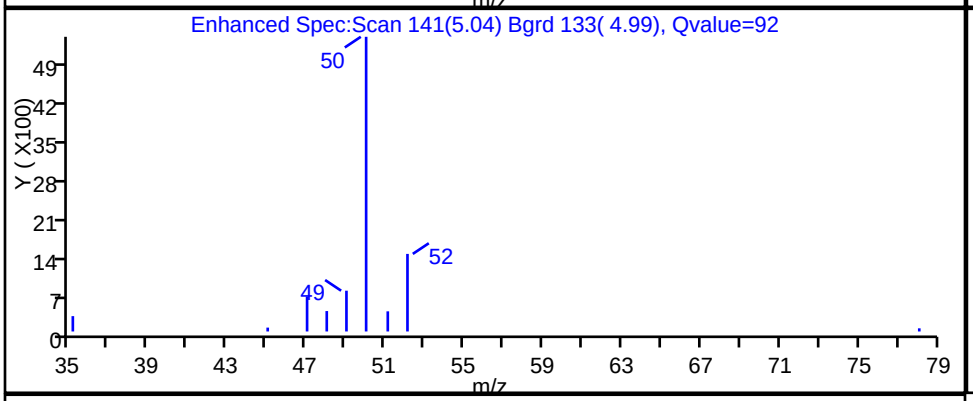
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

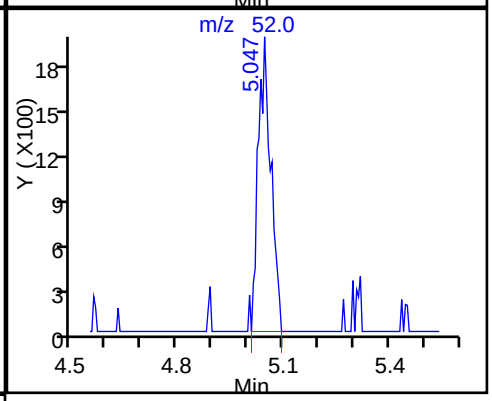
Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

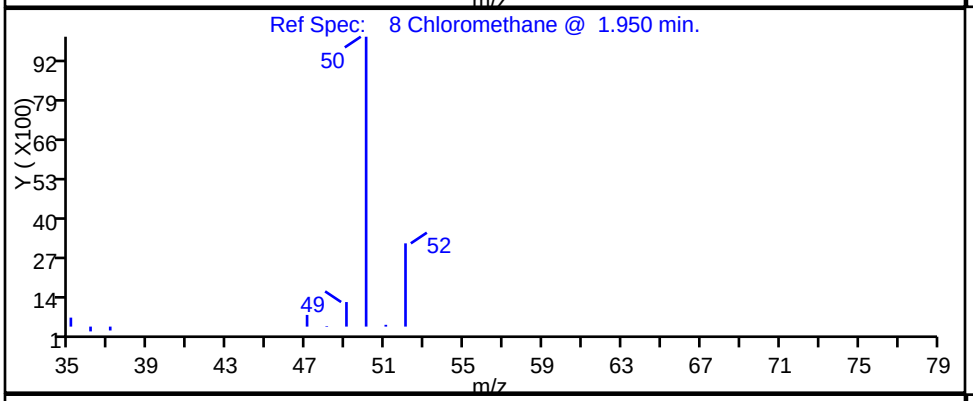
8 Chloromethane, CAS: 74-87-3

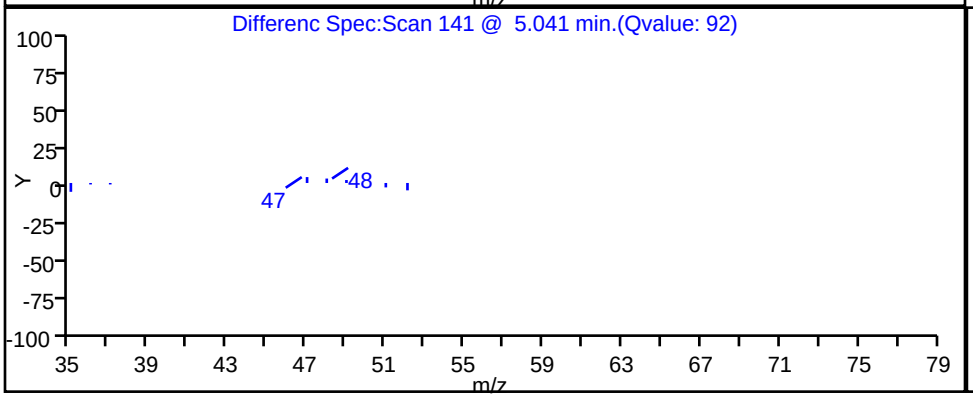


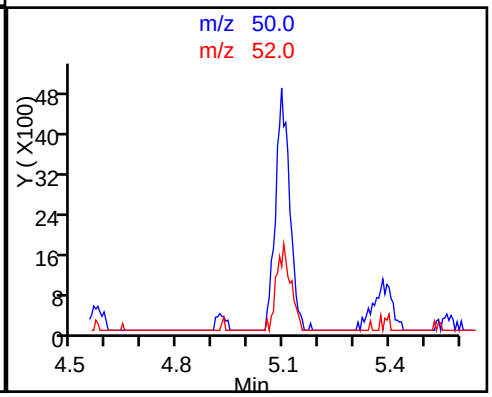












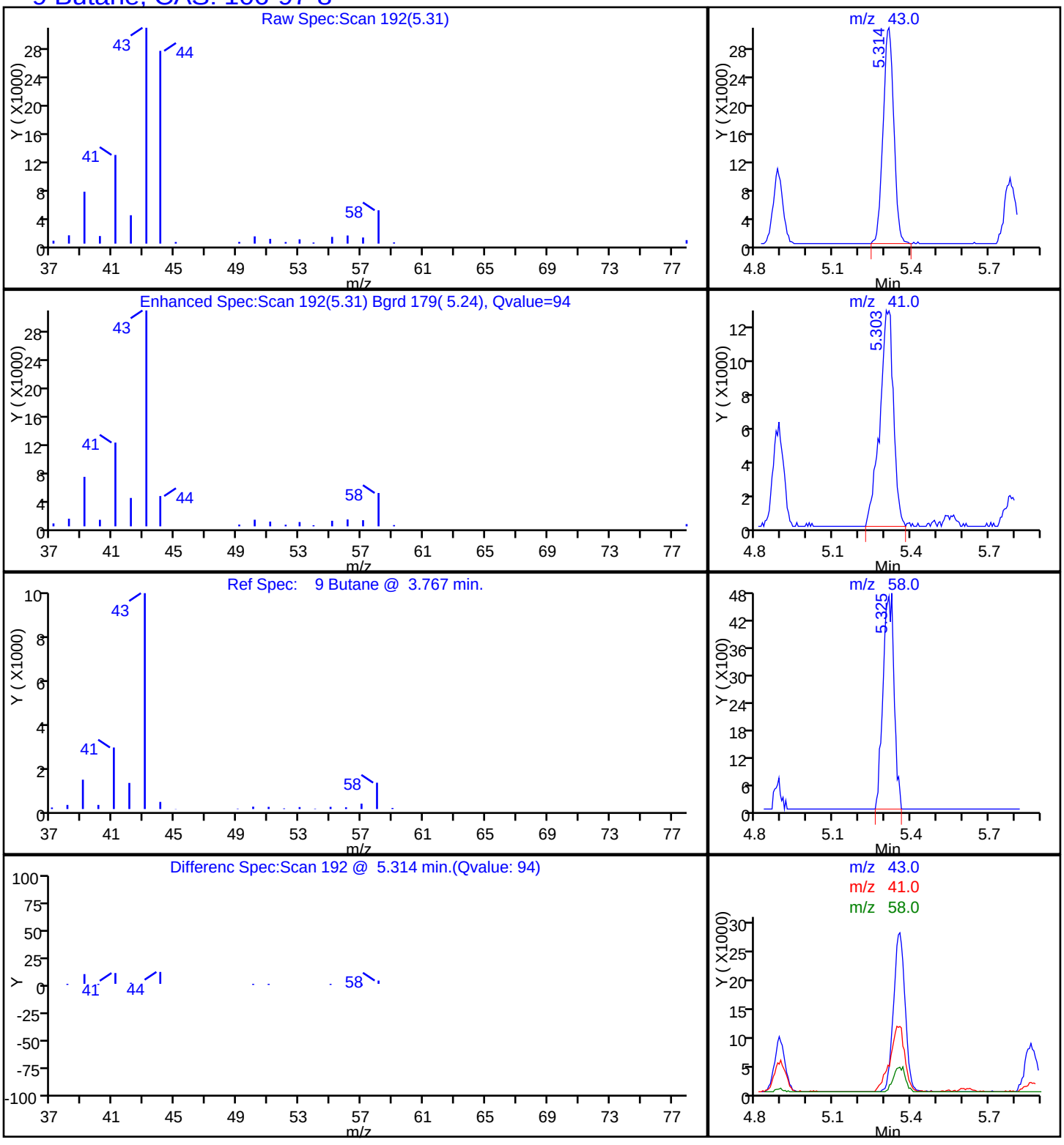
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



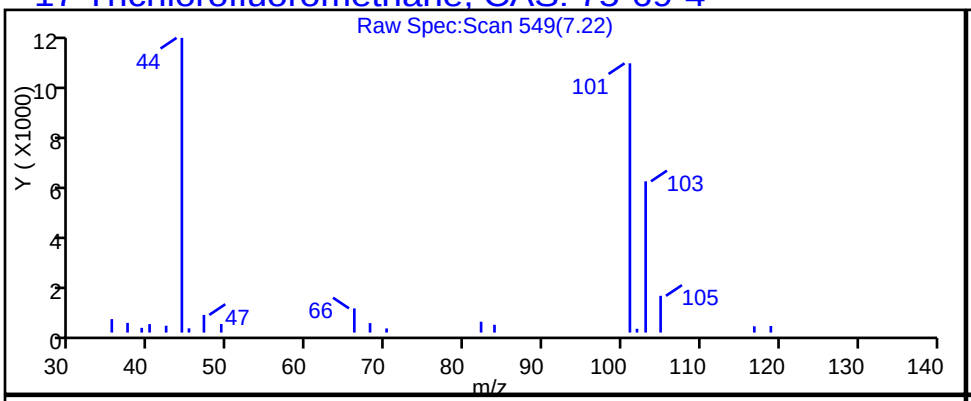
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

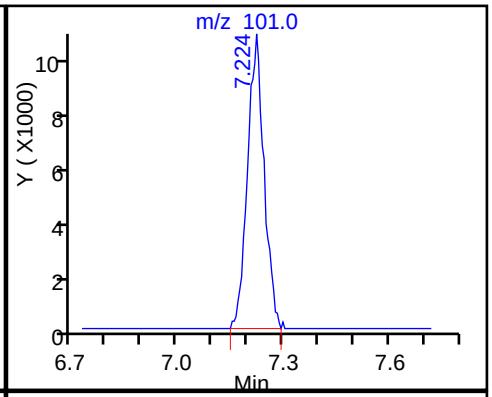
TestAmerica Burlington

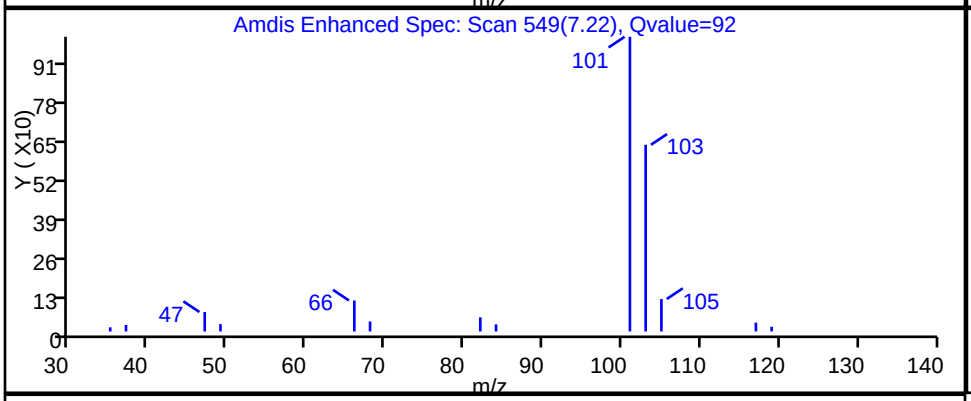
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

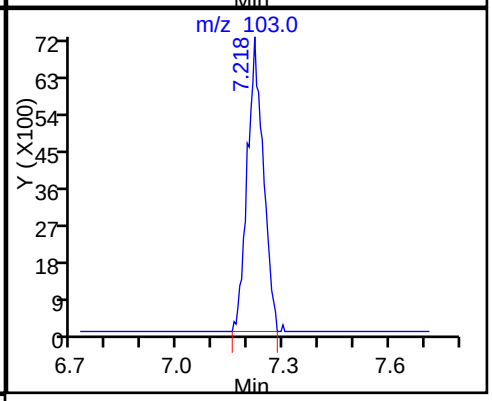
Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

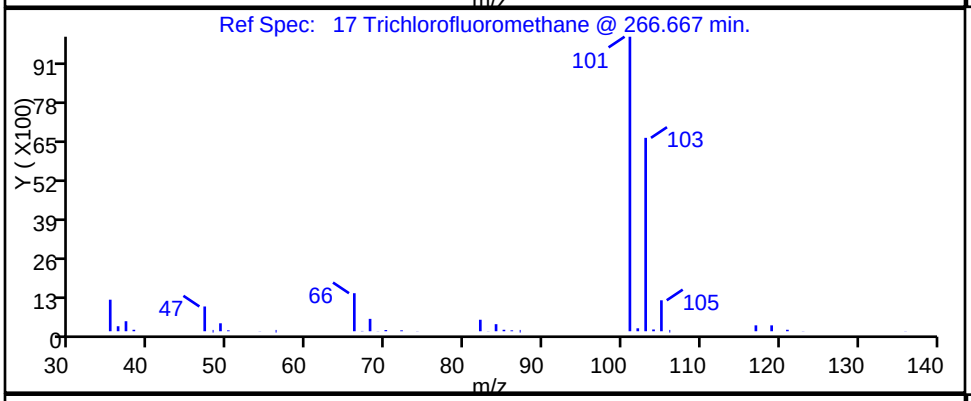
17 Trichlorofluoromethane, CAS: 75-69-4

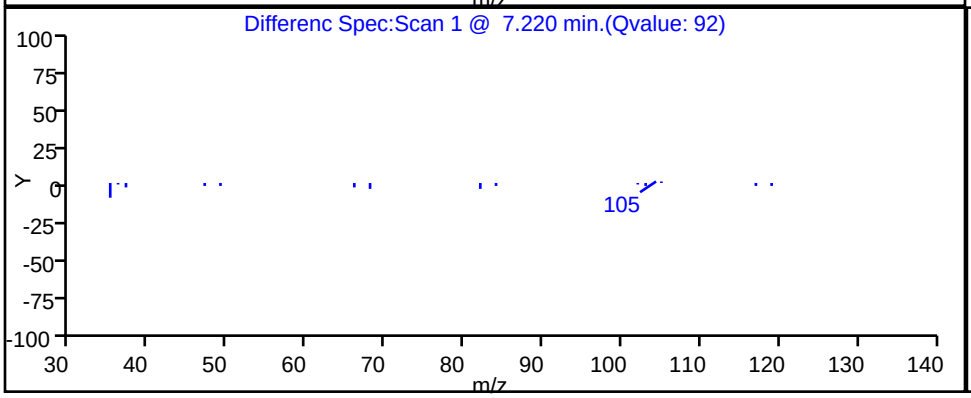


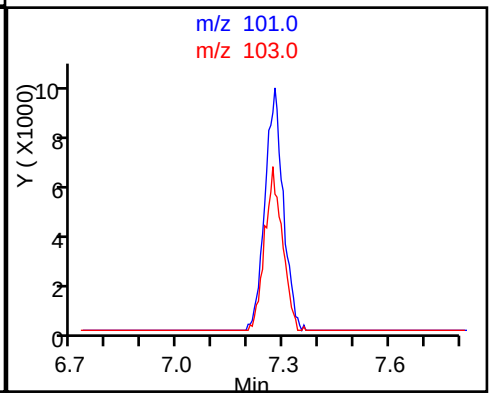












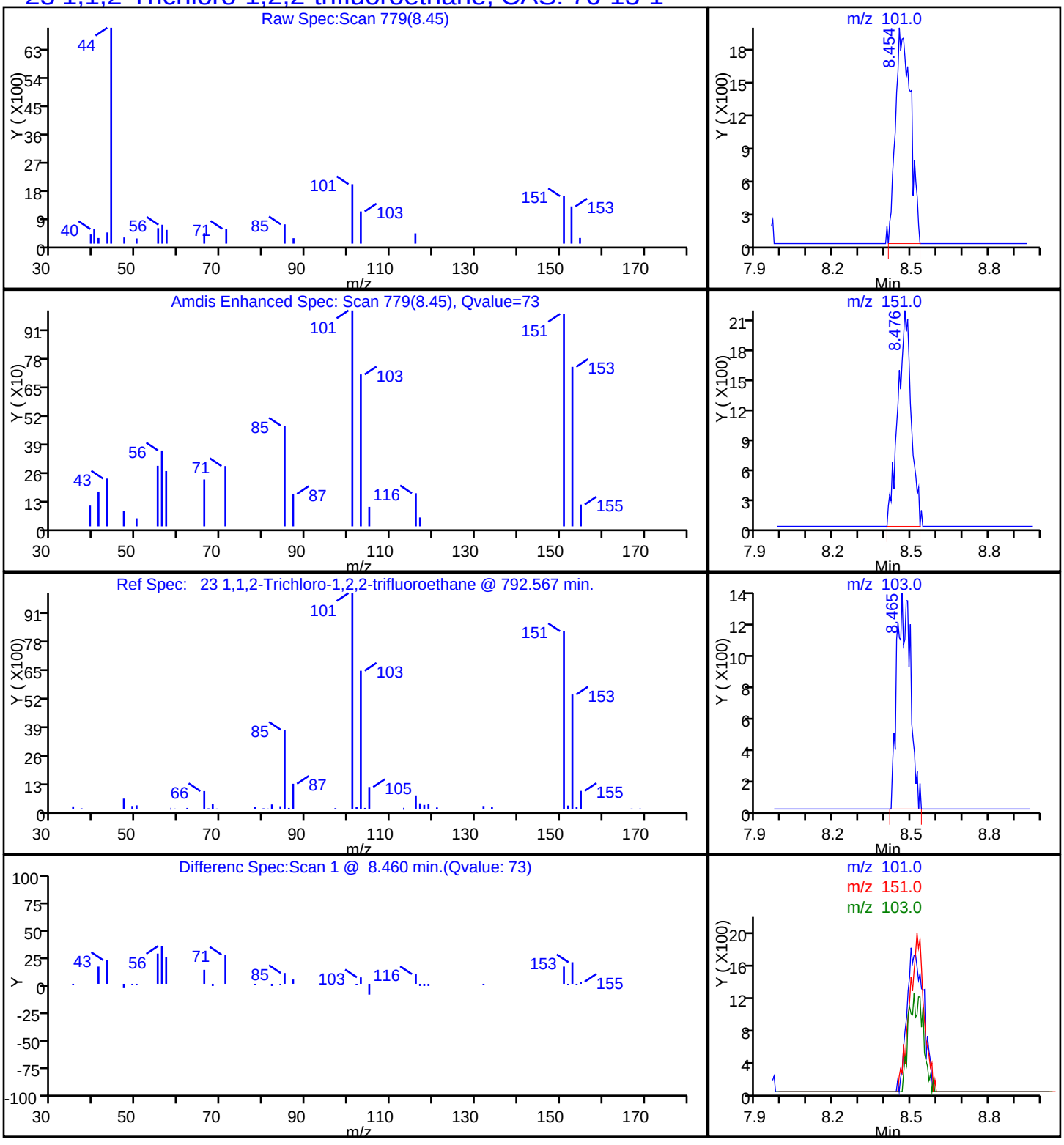
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



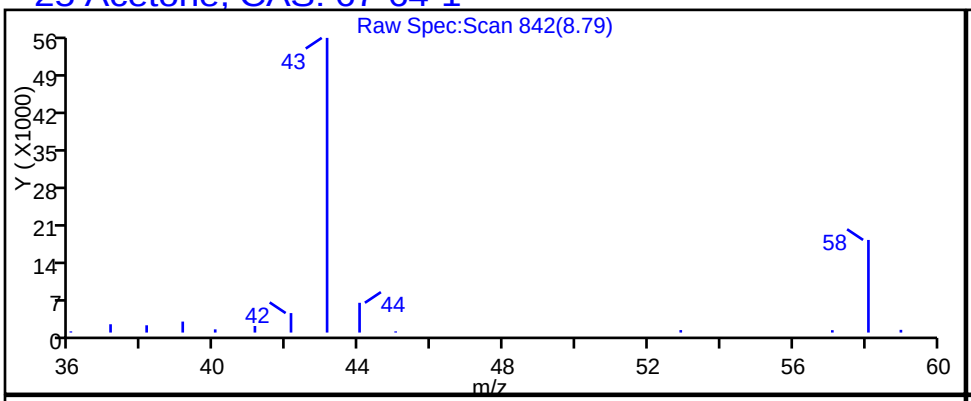
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

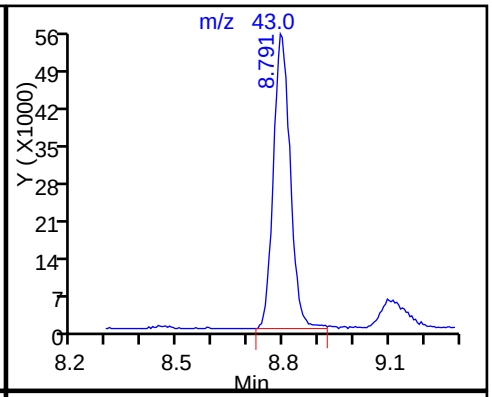
TestAmerica Burlington

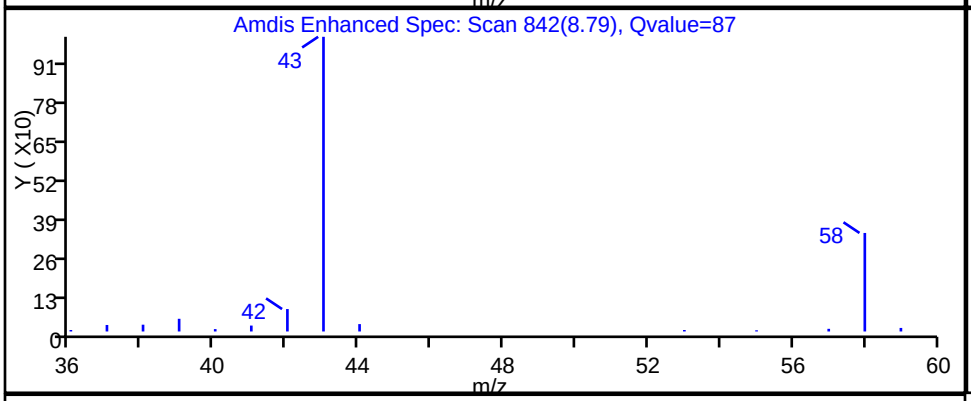
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

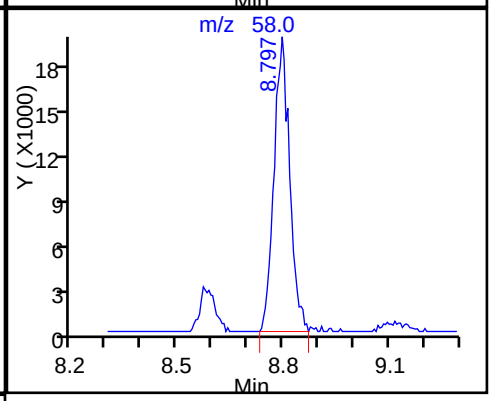
Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2
Client ID:	AMB-021314		
Operator ID:	bl	ALS Bottle#:	4 Worklist Smp#: 21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

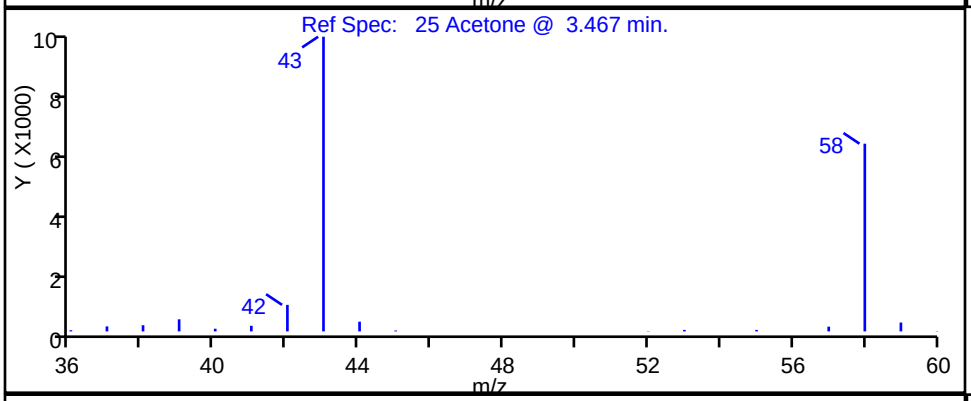
25 Acetone, CAS: 67-64-1

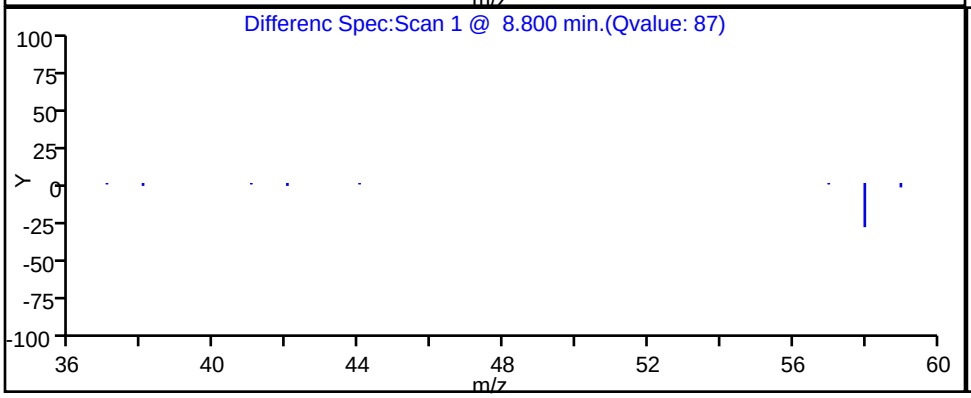


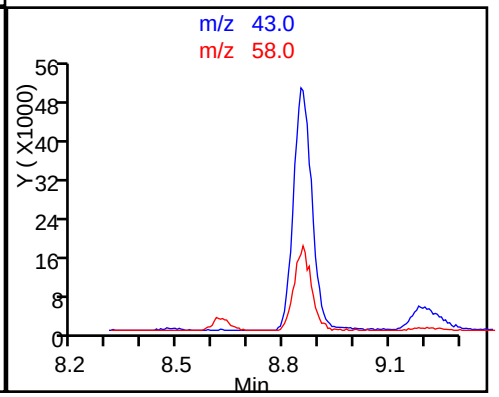












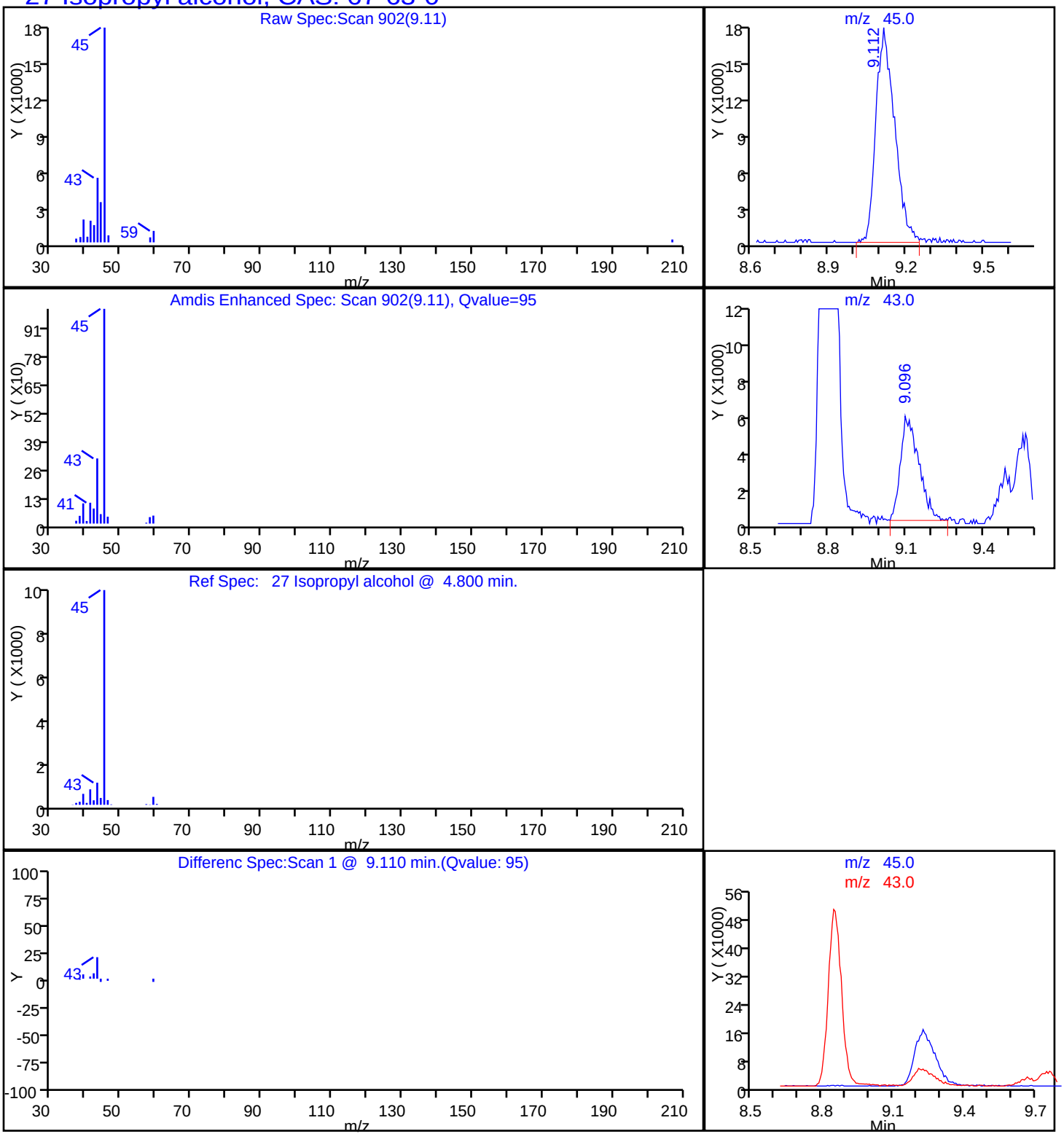
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



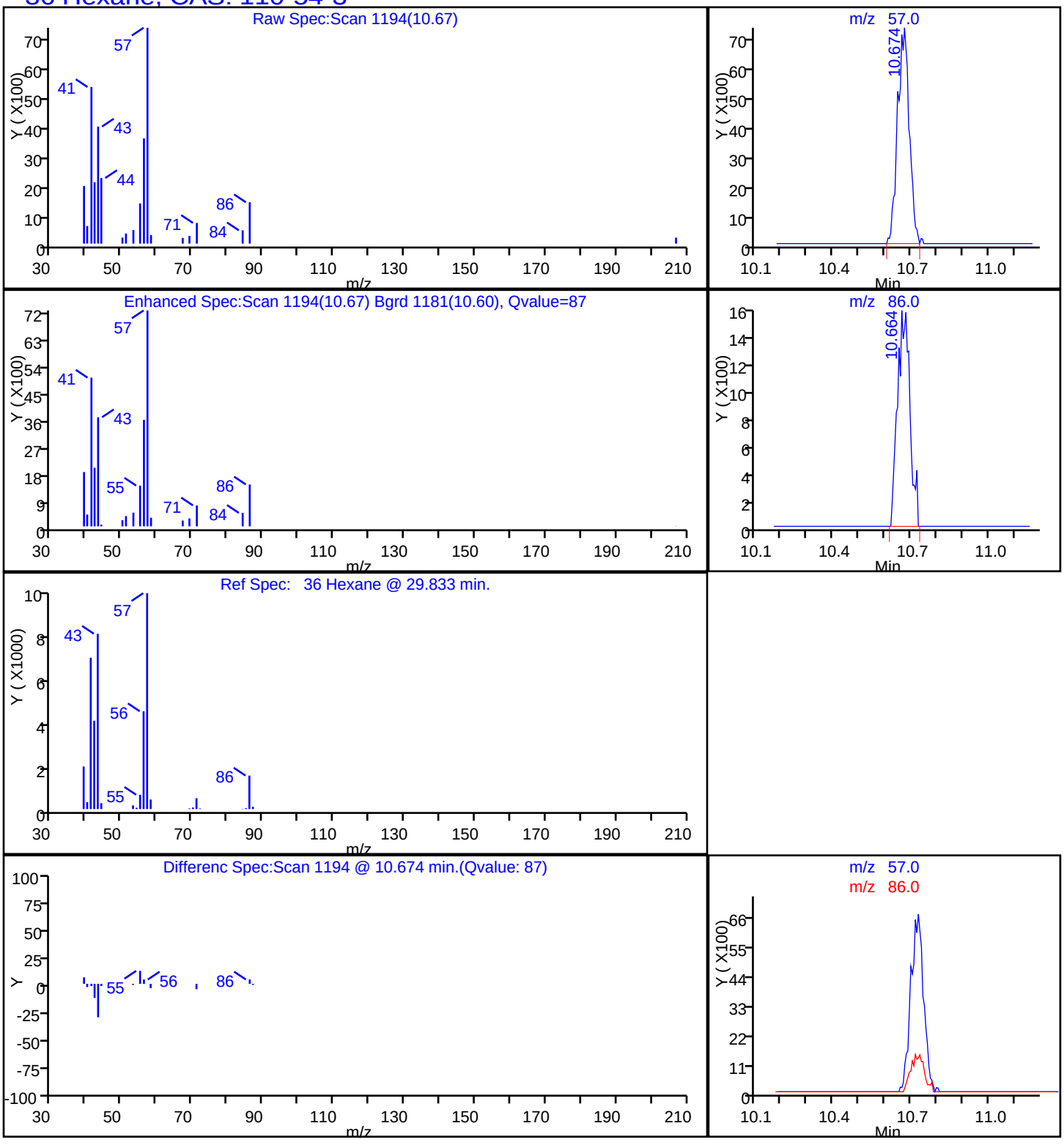
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



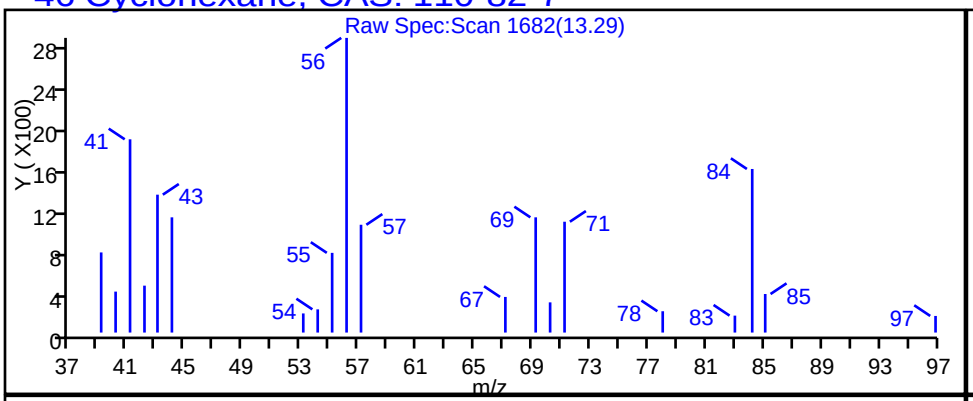
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

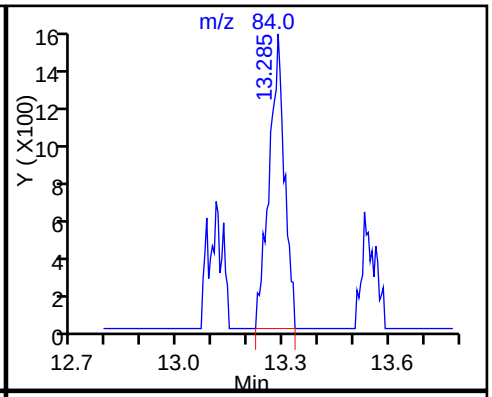
TestAmerica Burlington

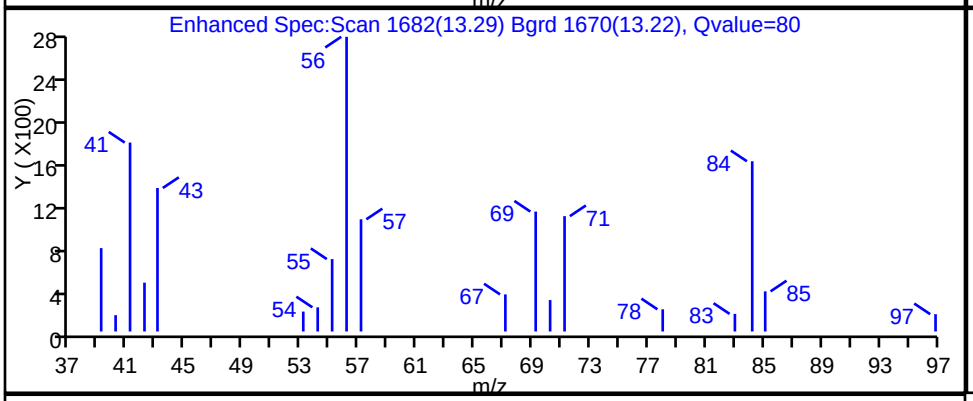
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

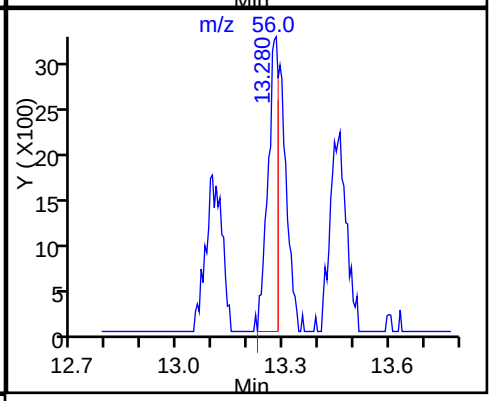
Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

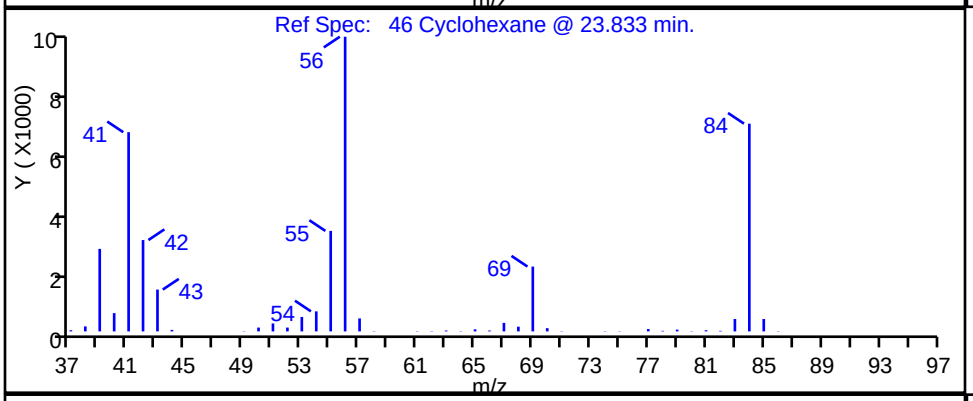
46 Cyclohexane, CAS: 110-82-7

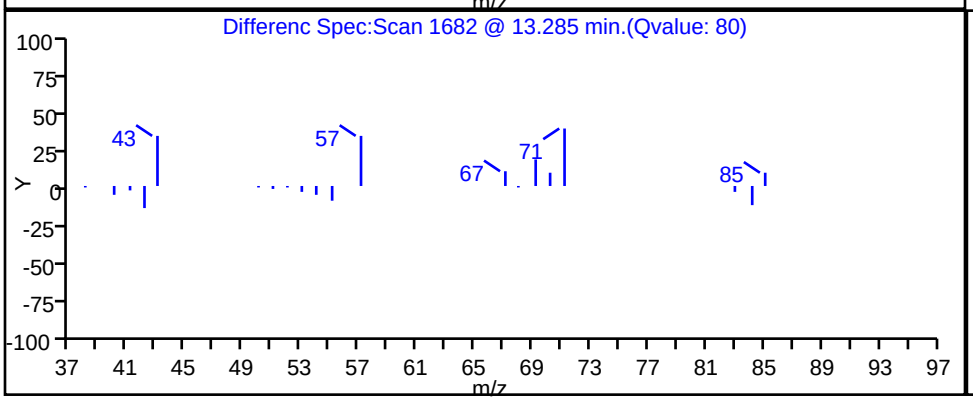


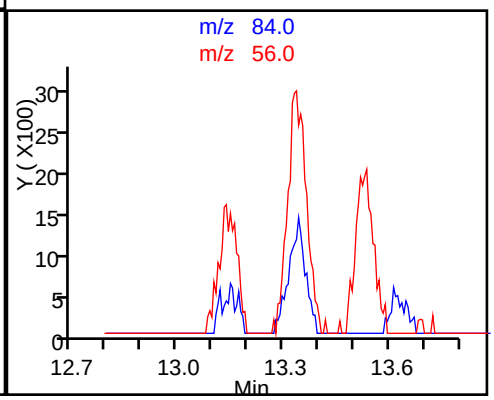












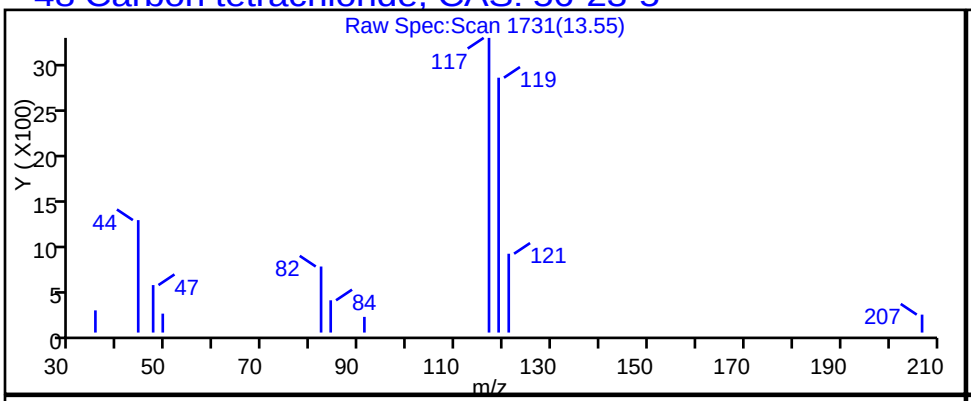
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

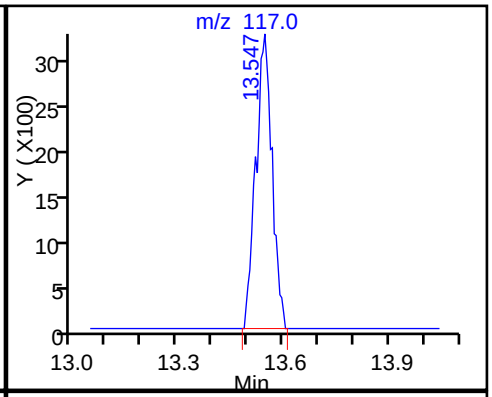
TestAmerica Burlington

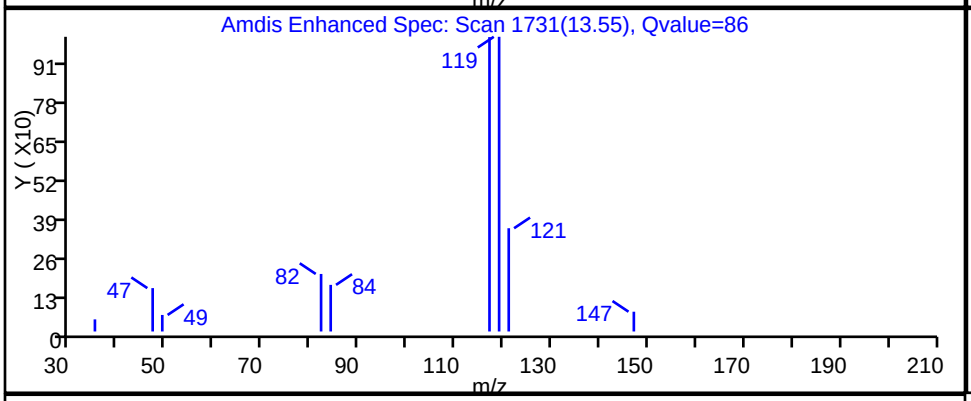
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

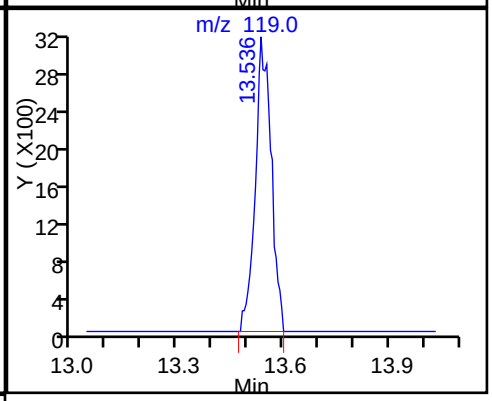
Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

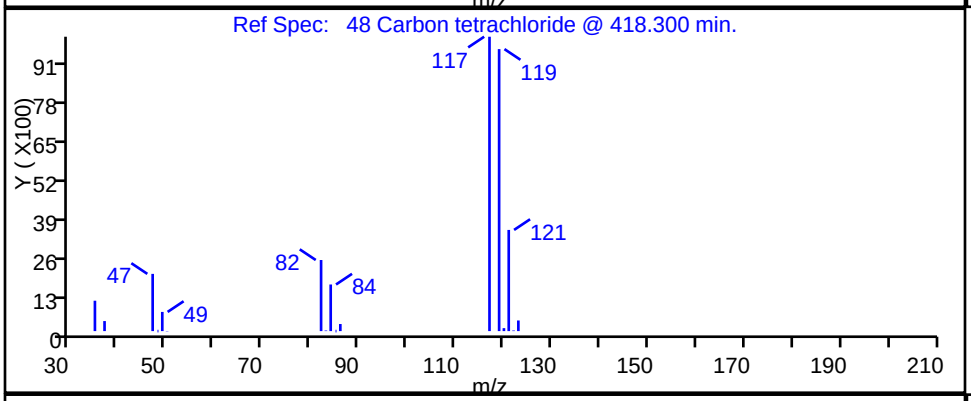
48 Carbon tetrachloride, CAS: 56-23-5

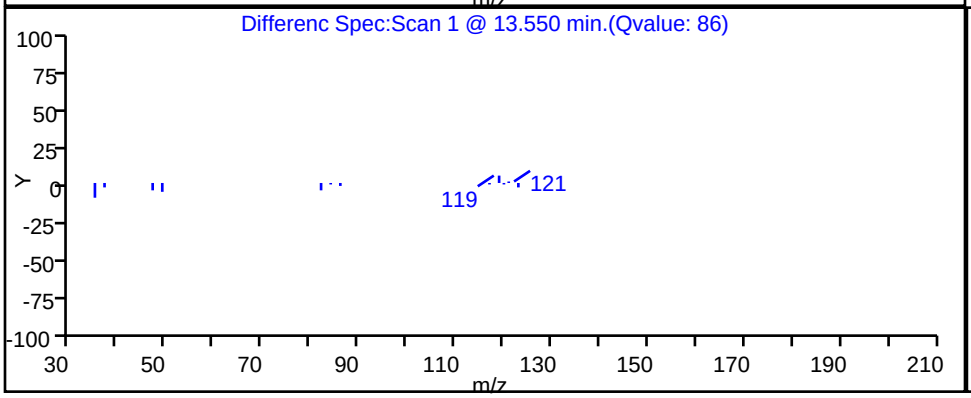


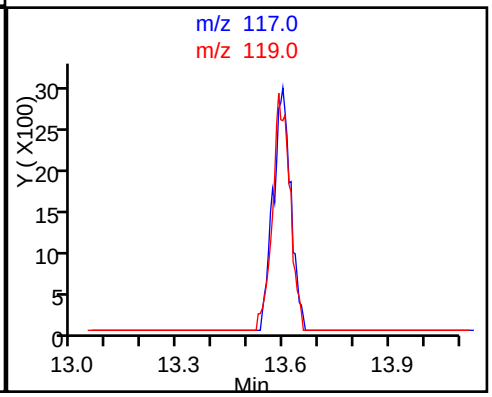












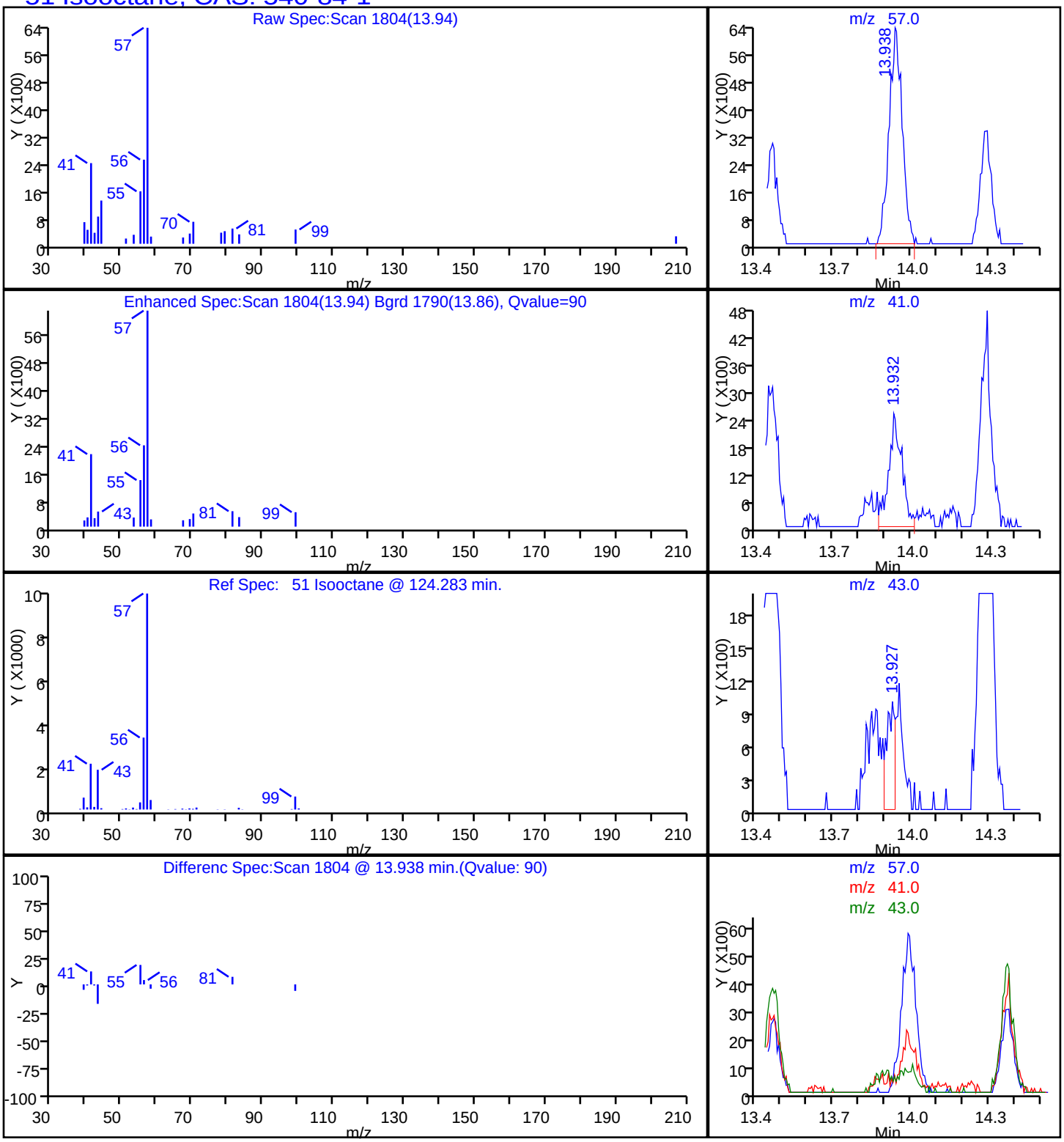
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1



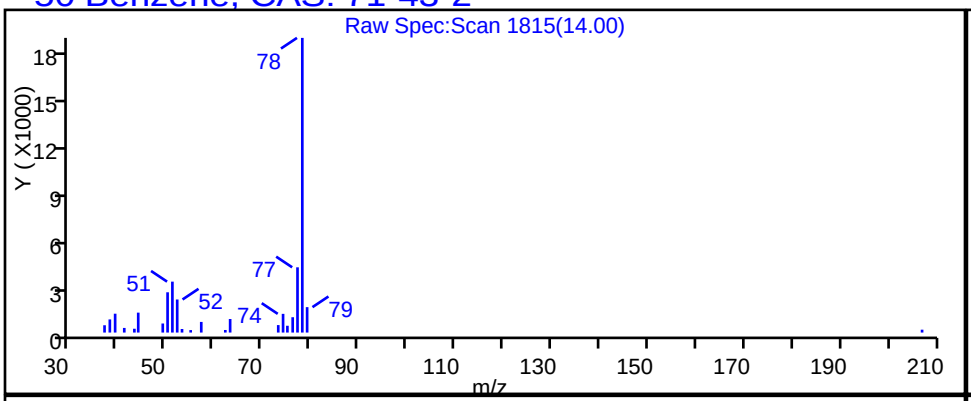
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

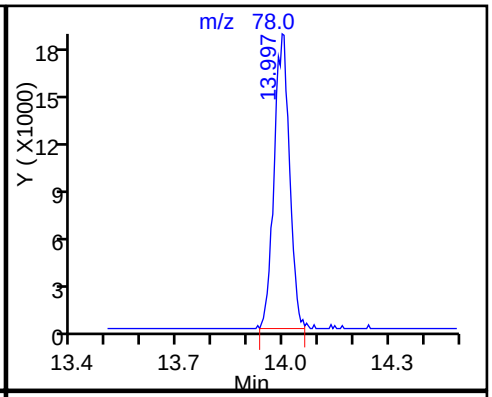
TestAmerica Burlington

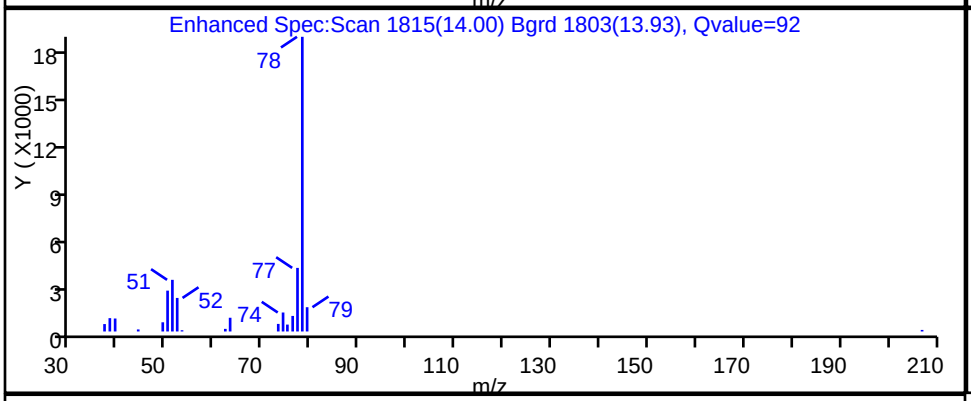
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

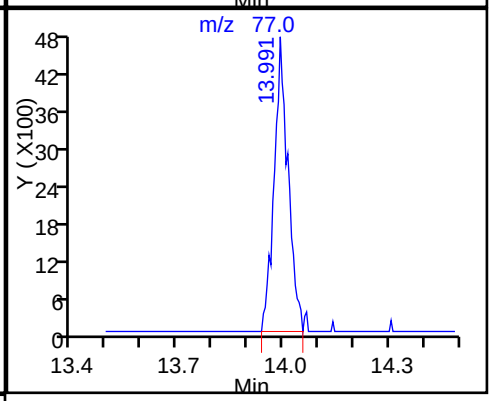
Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

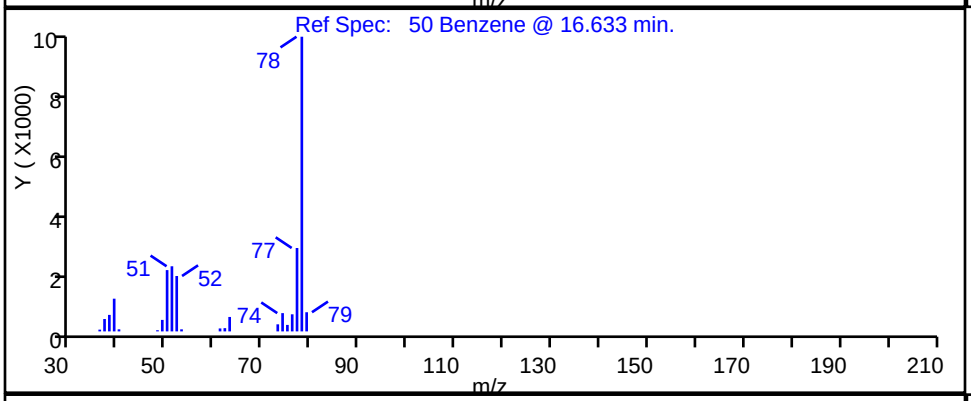
50 Benzene, CAS: 71-43-2

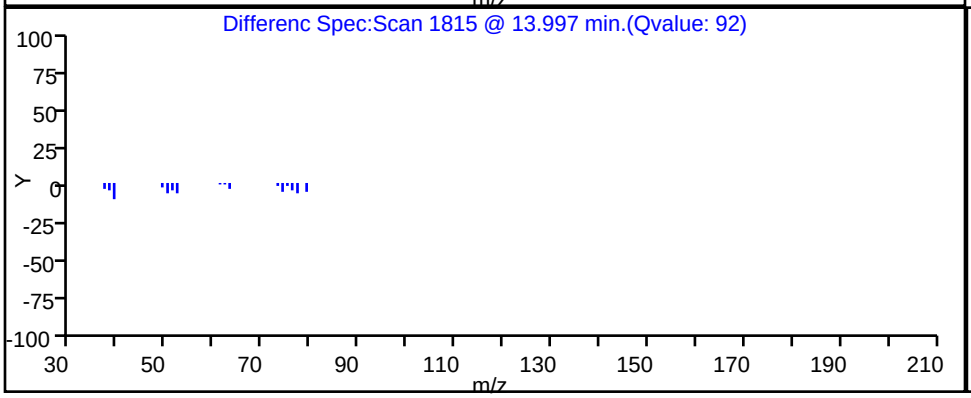


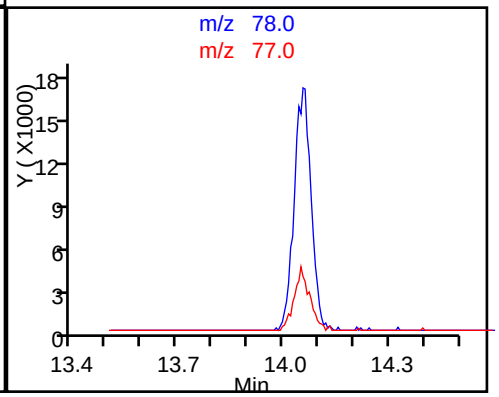












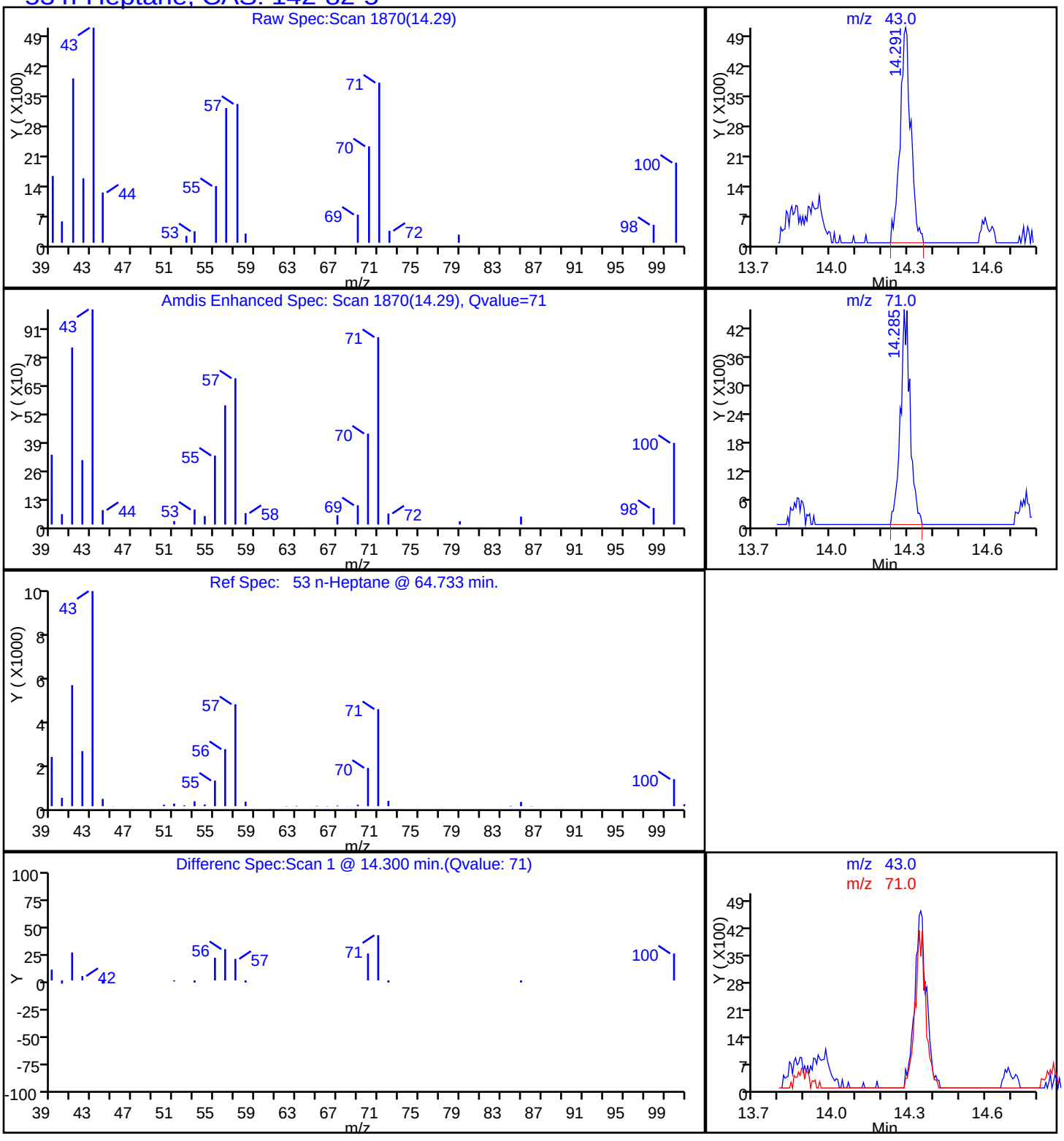
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2
Client ID:	AMB-021314		
Operator ID:	bl	ALS Bottle#:	4 Worklist Smp#: 21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

53 n-Heptane, CAS: 142-82-5



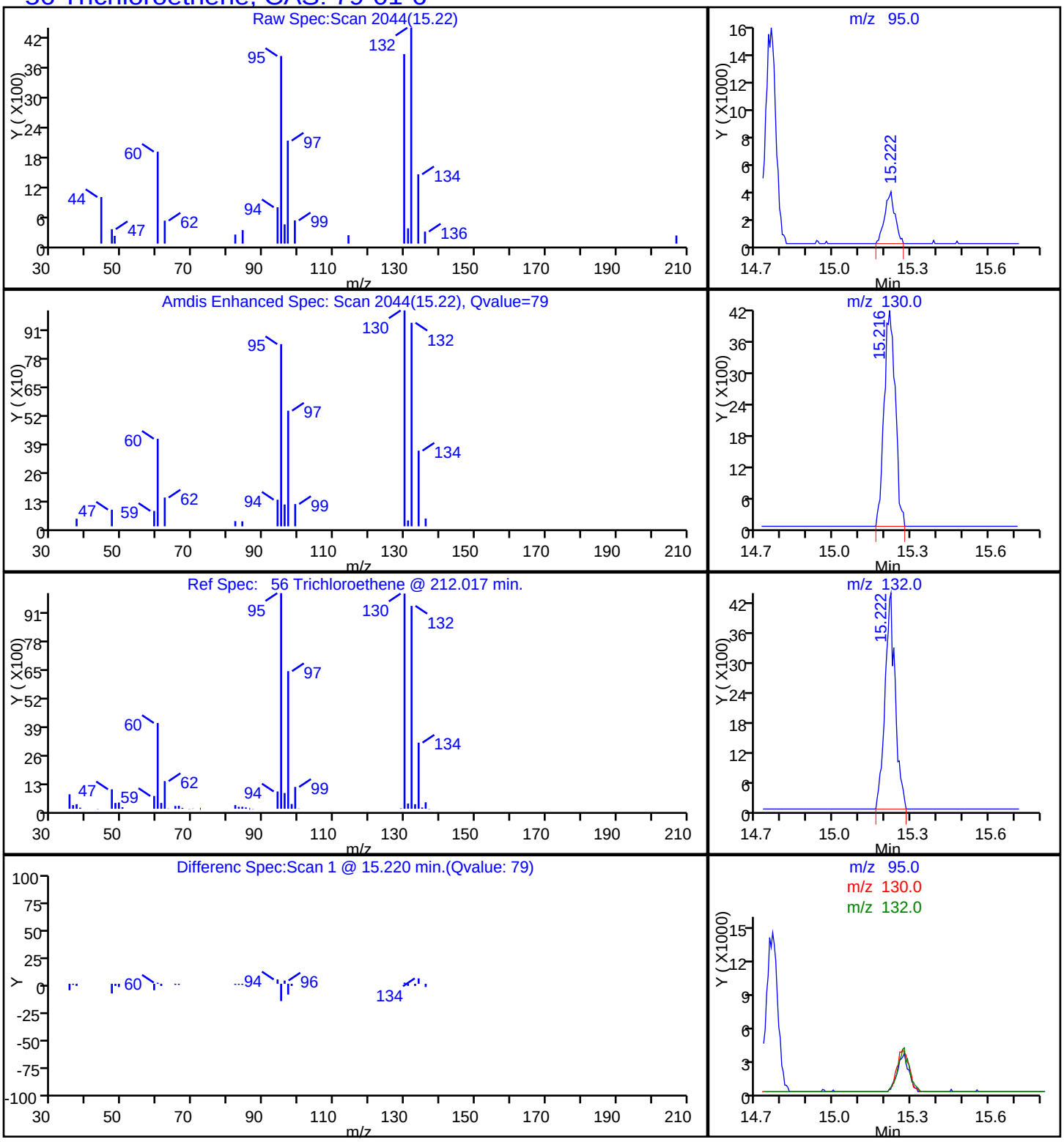
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



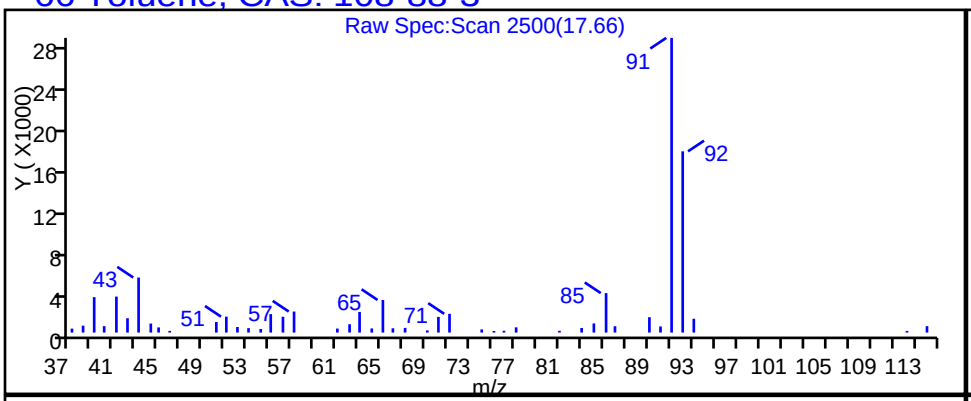
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

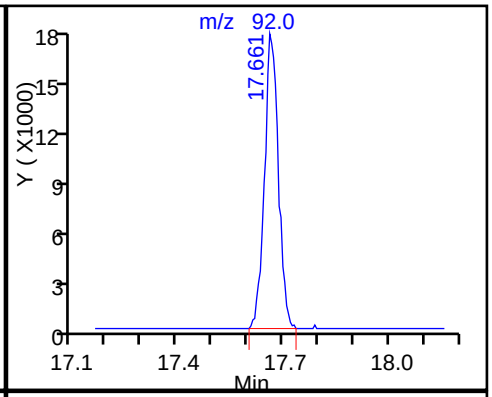
TestAmerica Burlington

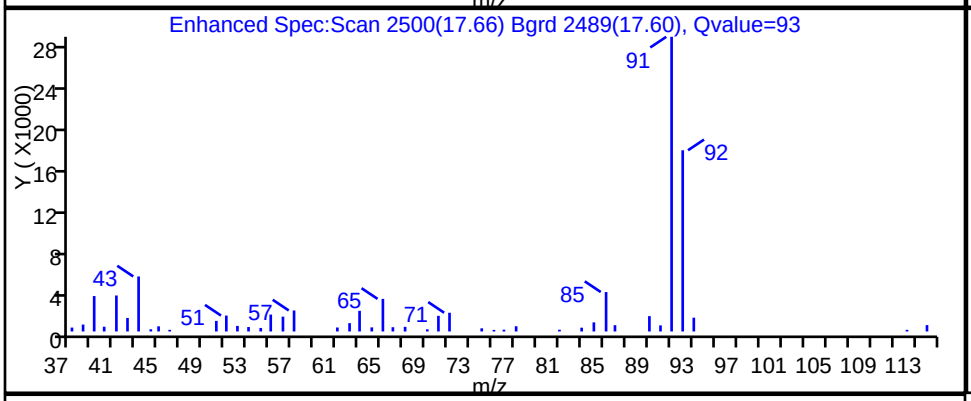
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

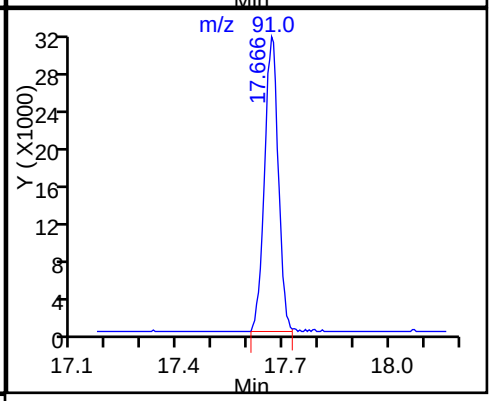
Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

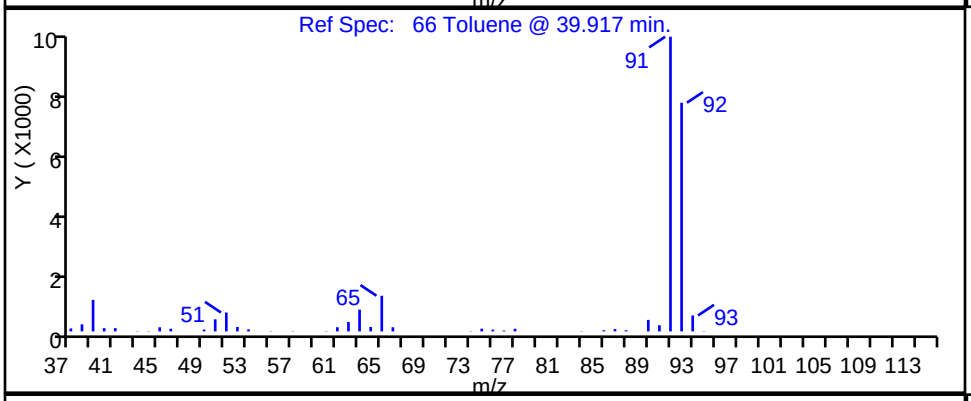
66 Toluene, CAS: 108-88-3

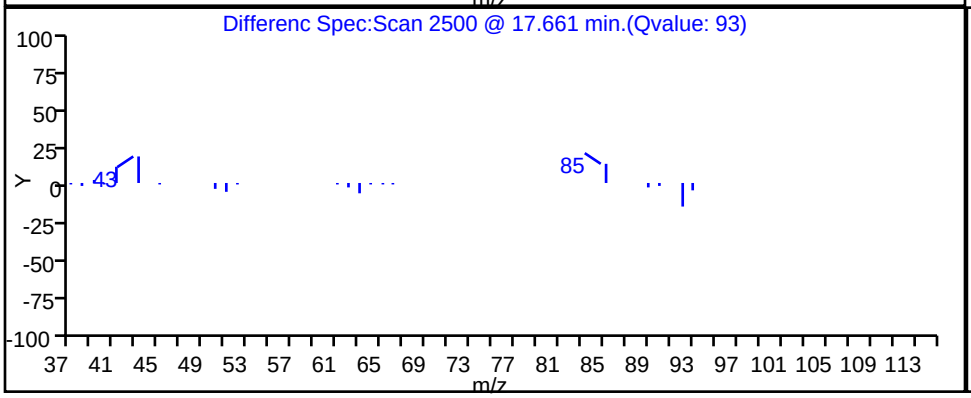


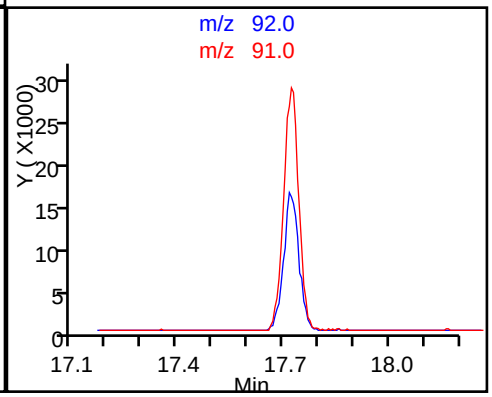












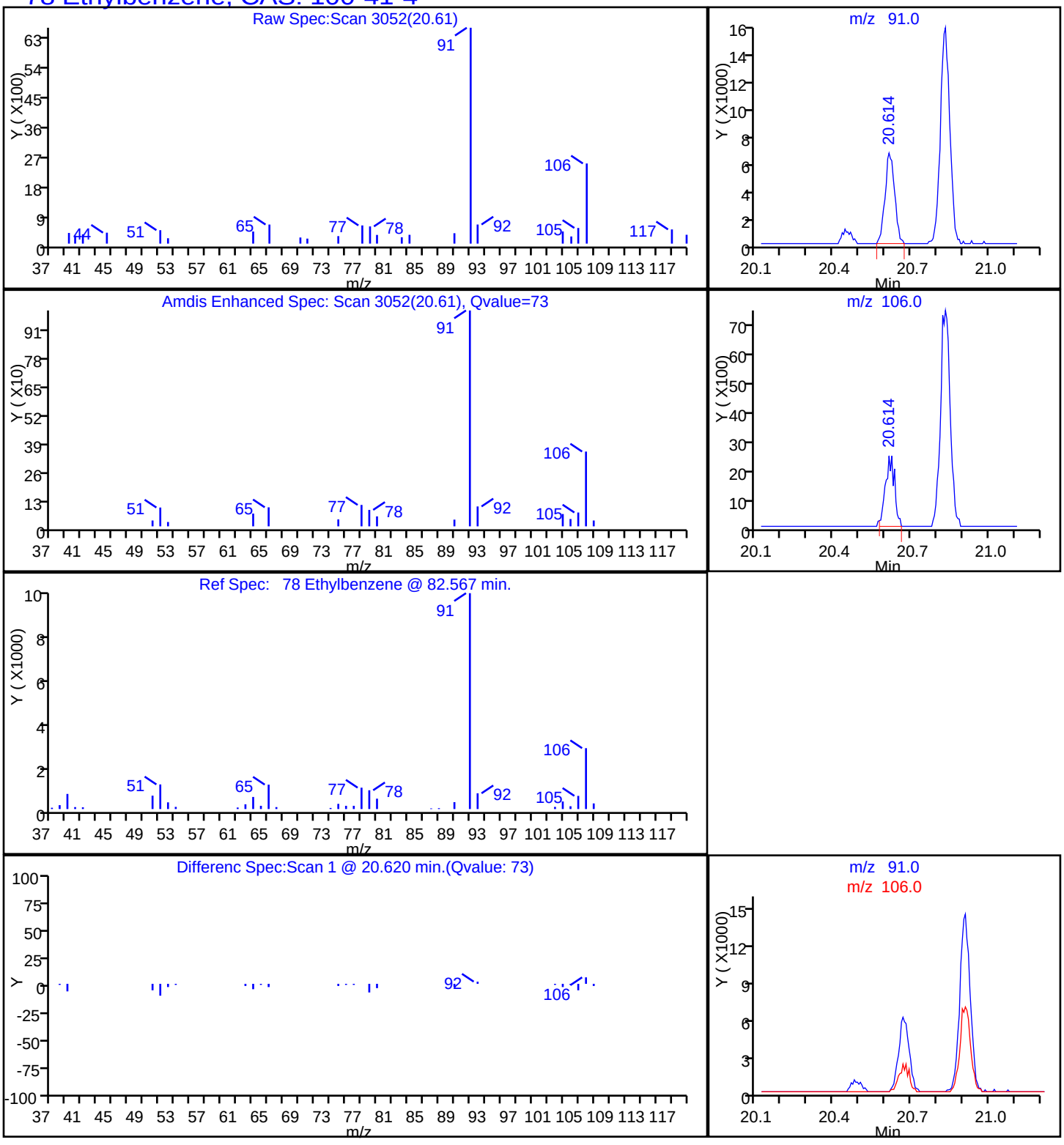
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4

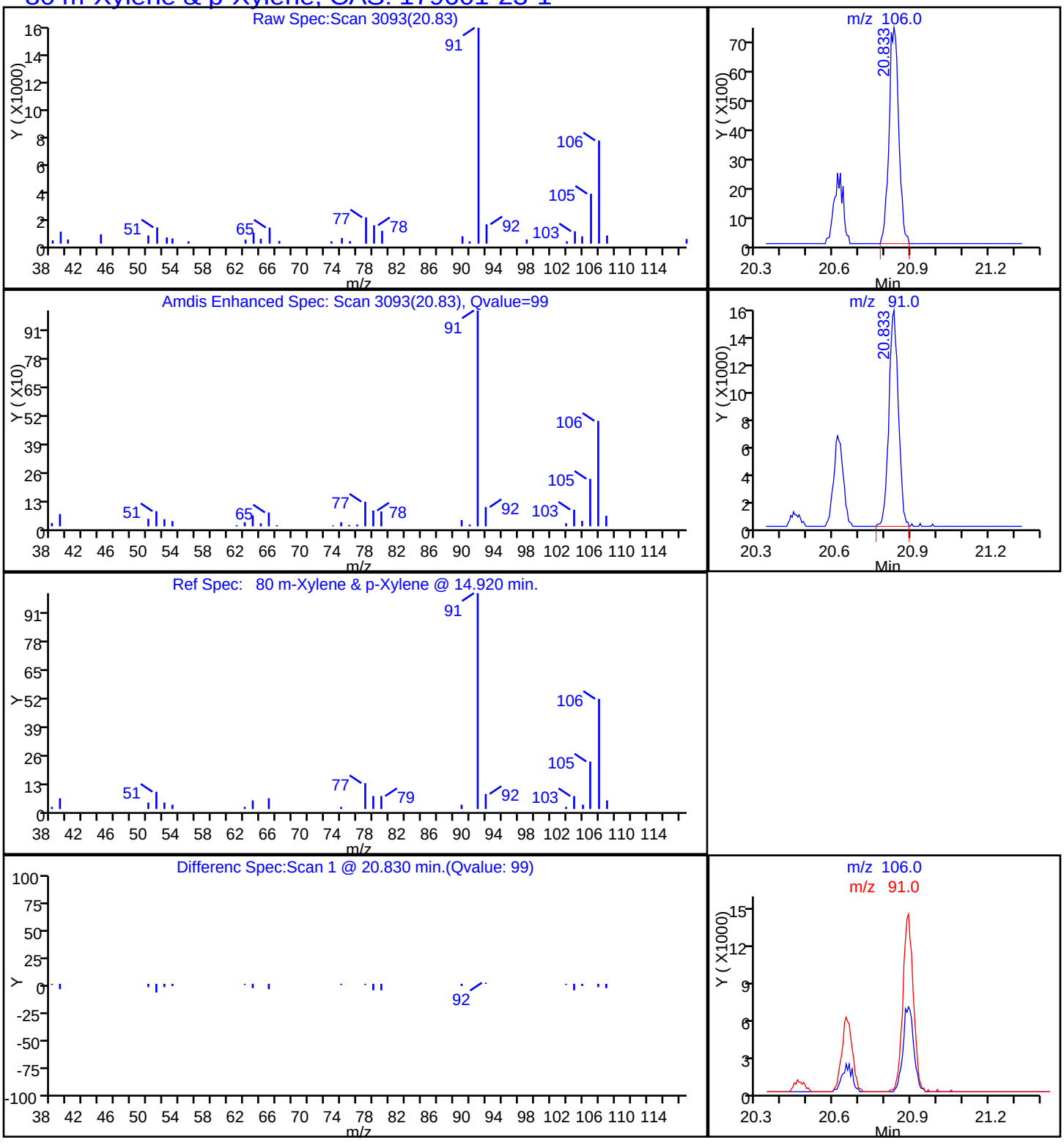


Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d				
Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



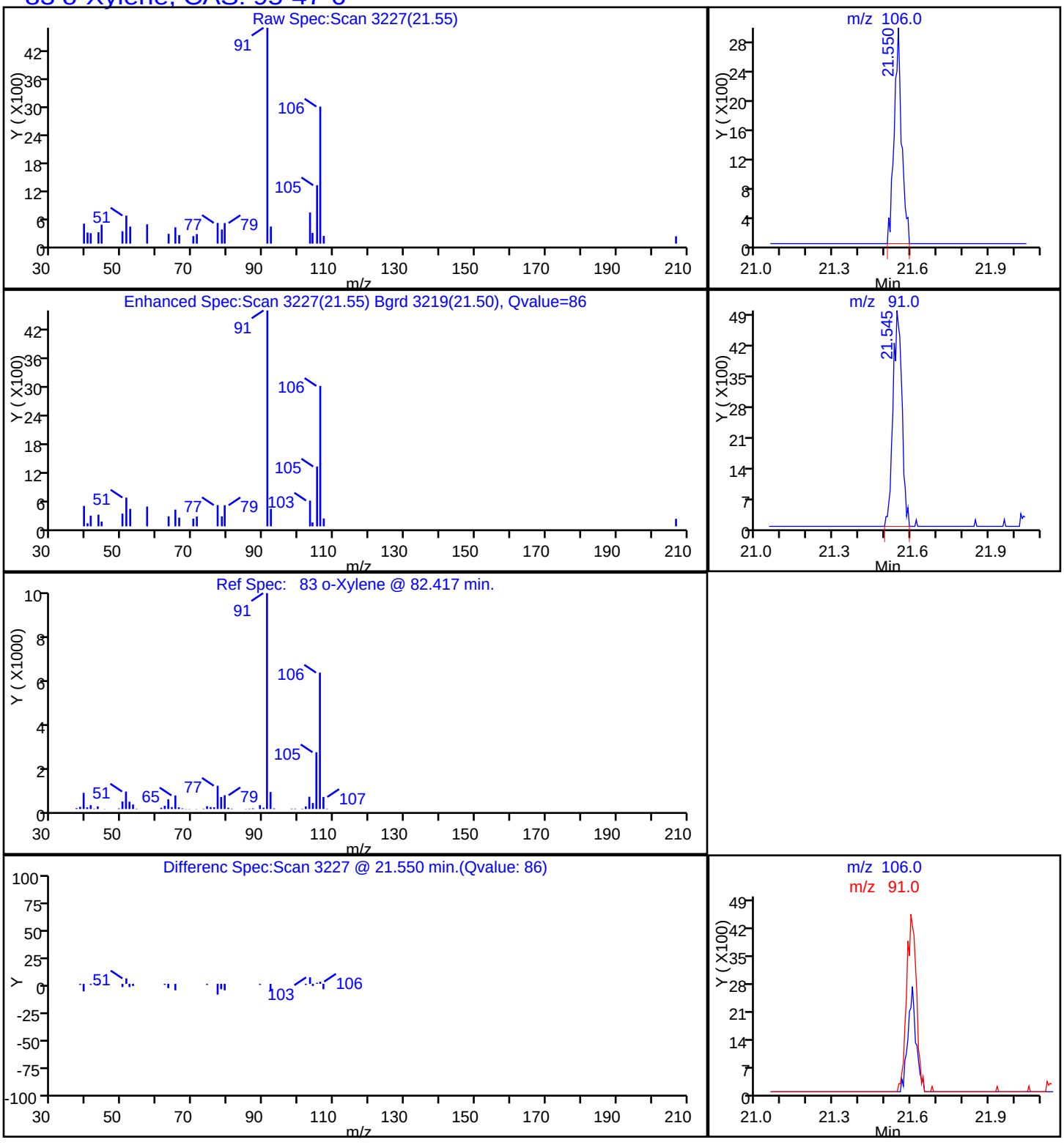
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



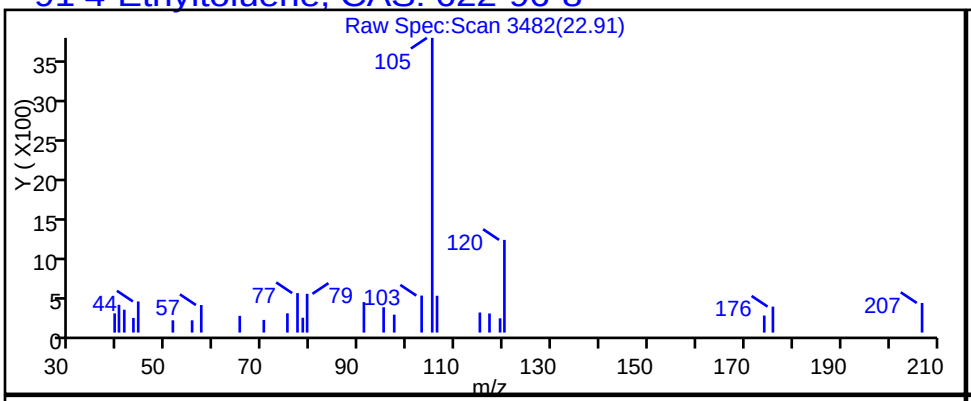
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

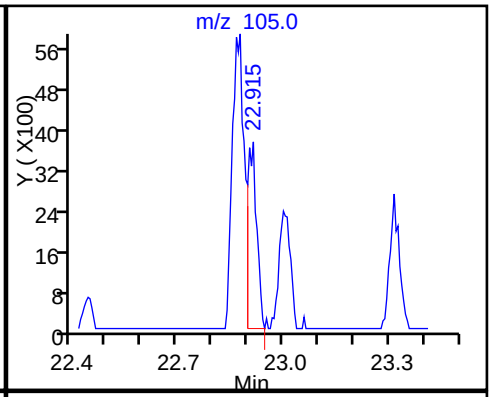
TestAmerica Burlington

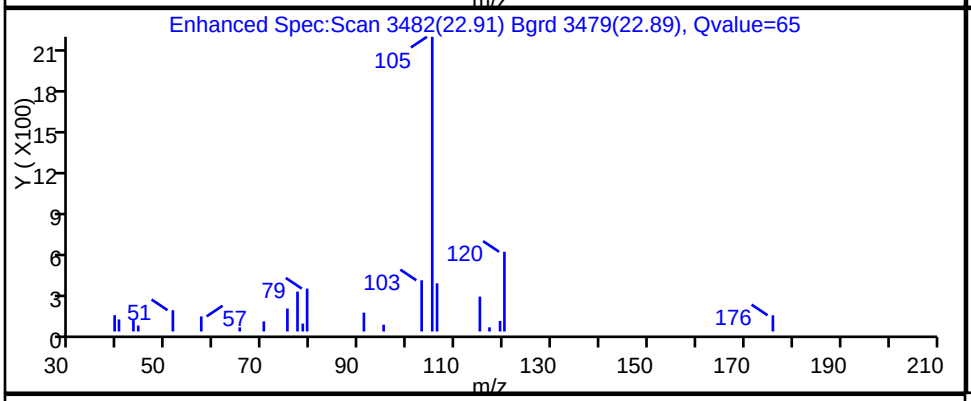
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

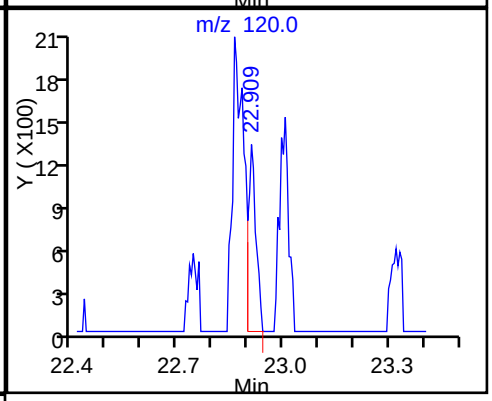
Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

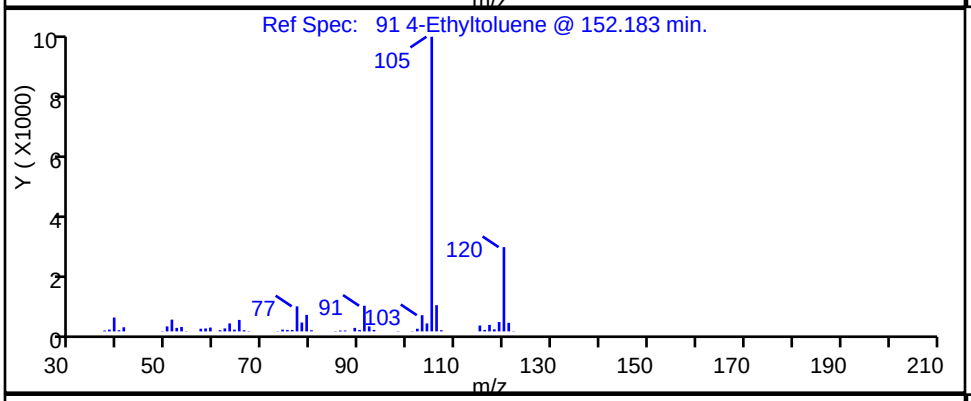
91 4-Ethyltoluene, CAS: 622-96-8

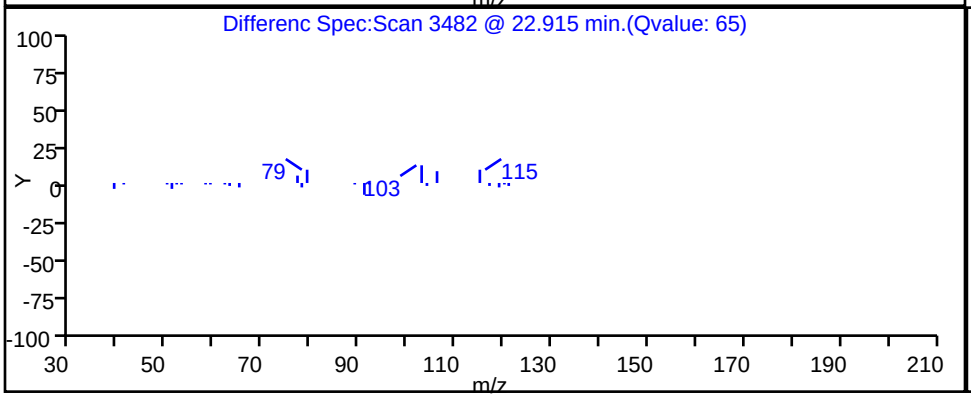


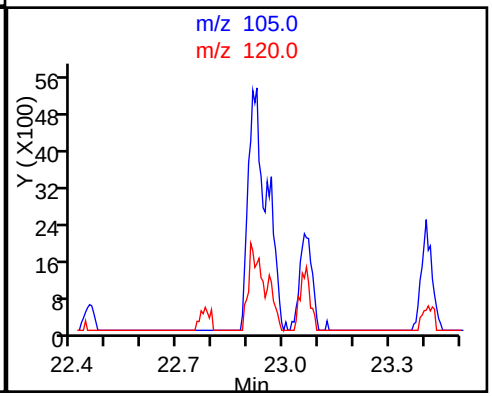












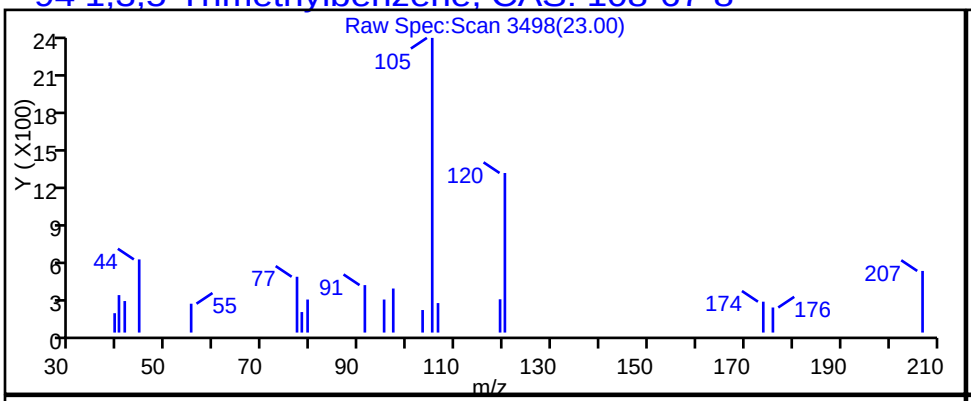
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

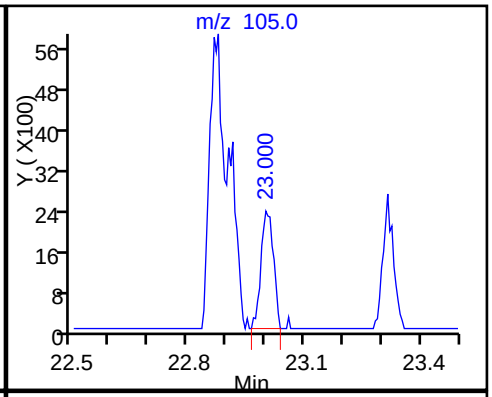
TestAmerica Burlington

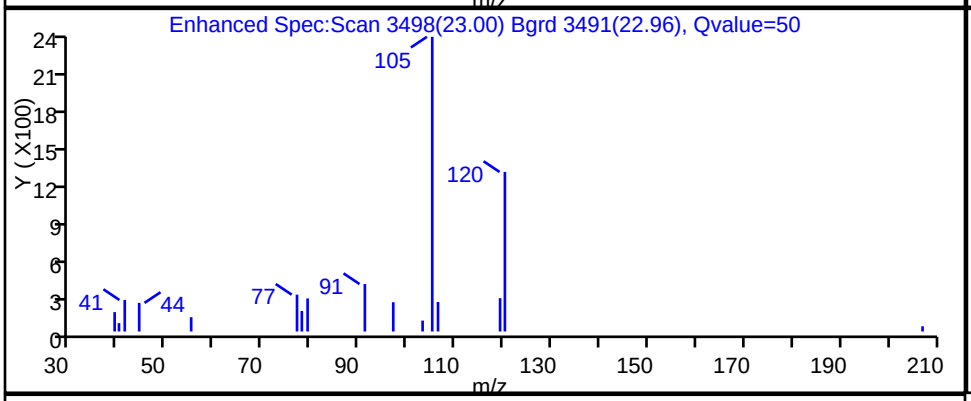
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

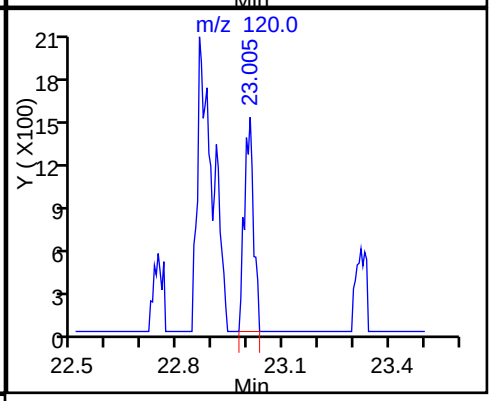
Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

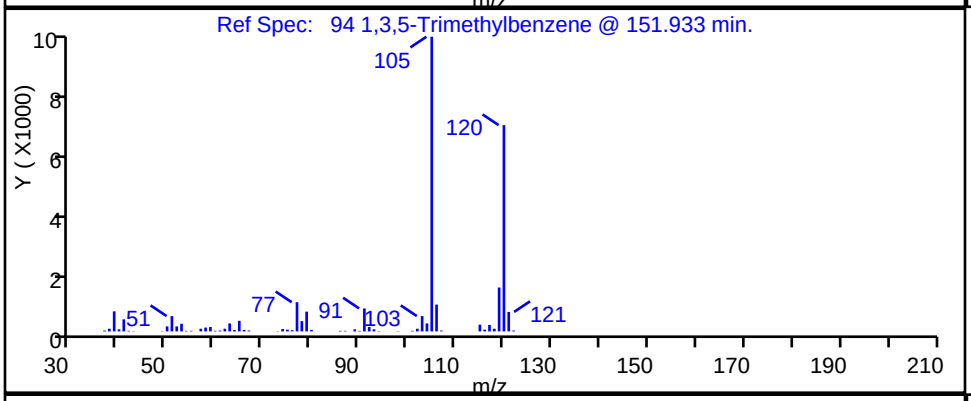
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

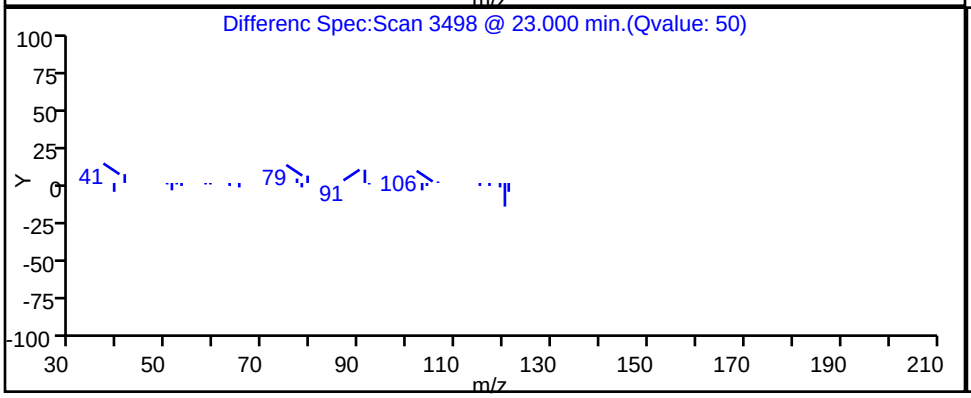


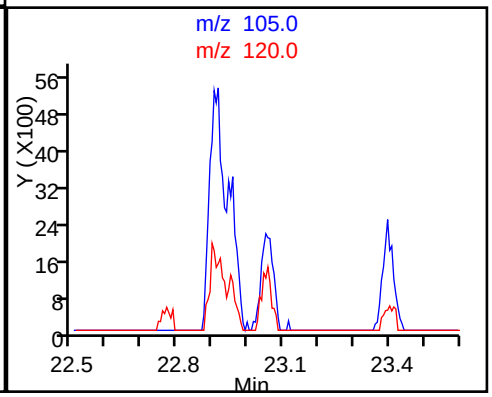












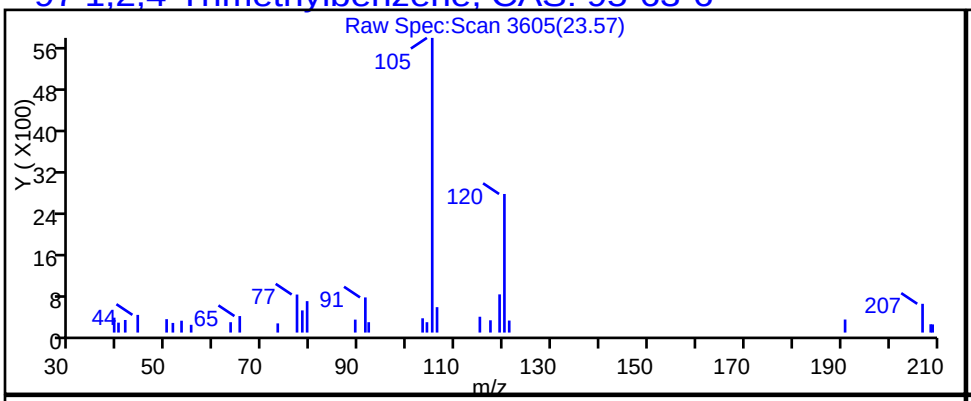
Report Date: 25-Feb-2014 10:25:16 Chrom Revision: 2.2 06-Feb-2014 15:19:06

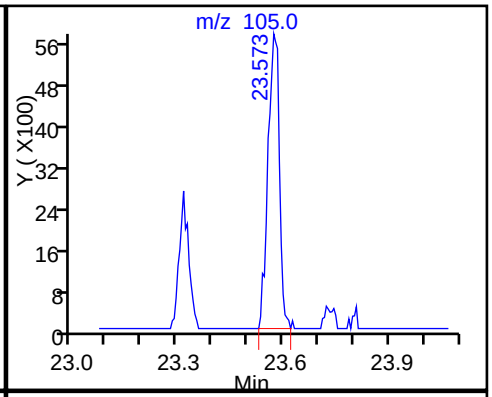
TestAmerica Burlington

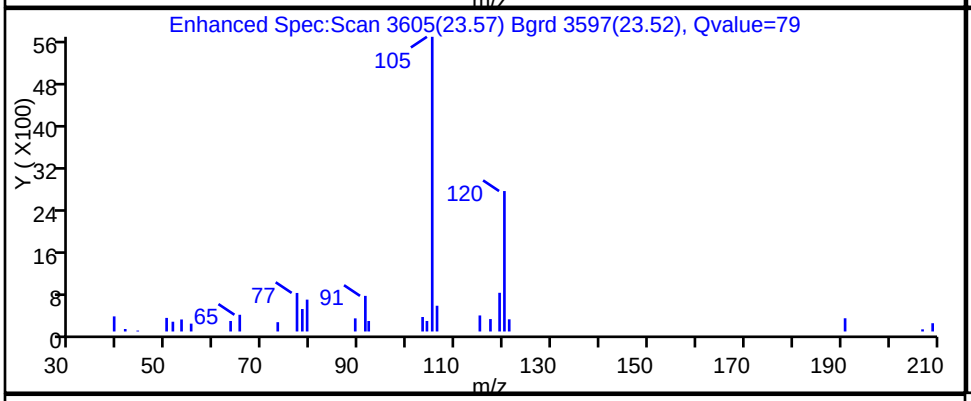
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d

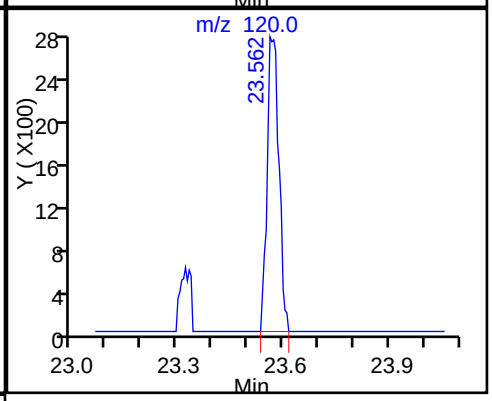
Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

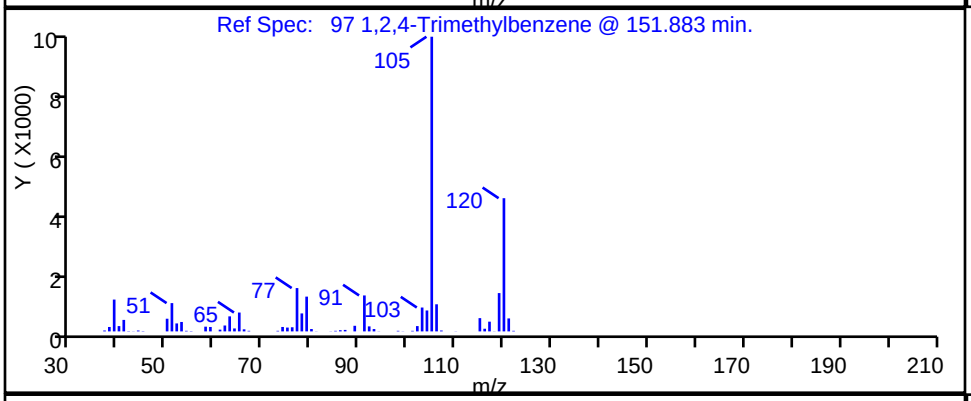
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

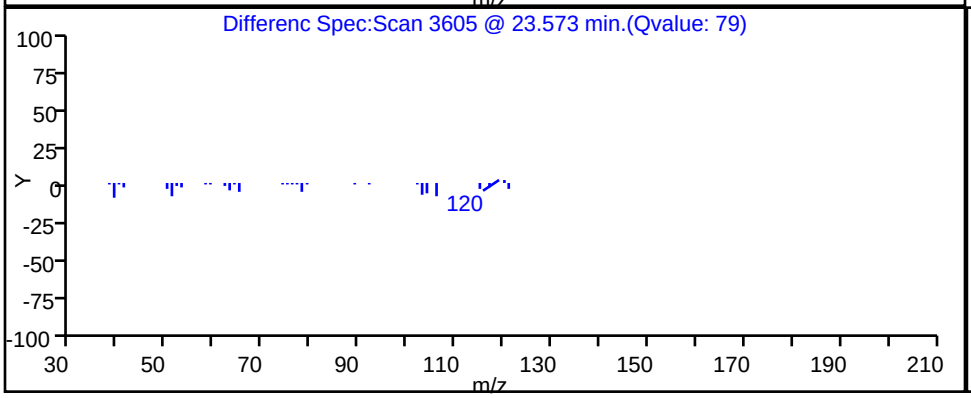


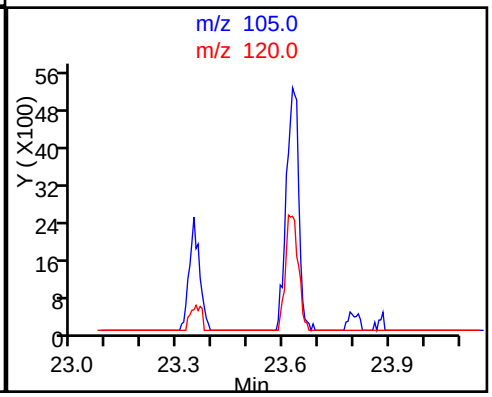












Manual Integration/User Assign Peak Report

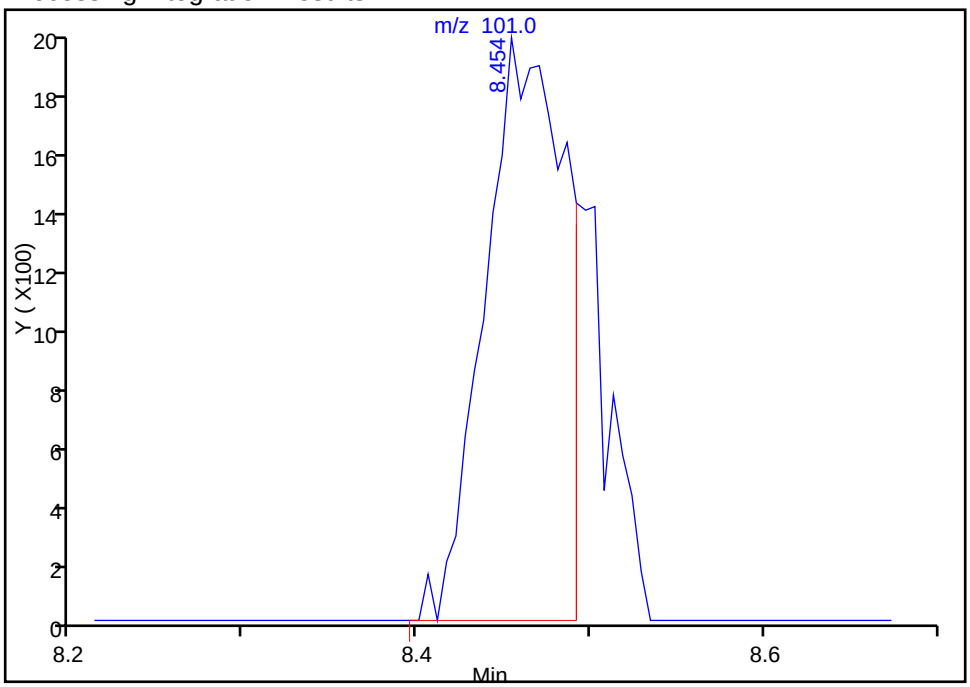
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d				
Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

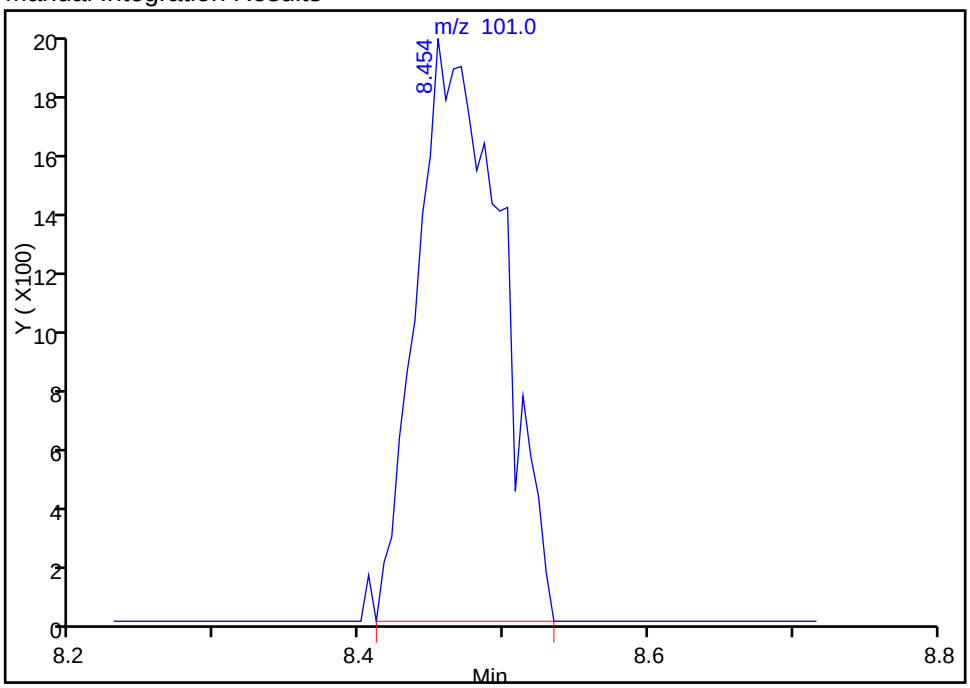
Processing Integration Results

RT: 8.45
Response: 6194
Amount: 0.061306



Manual Integration Results

RT: 8.45
Response: 7750
Amount: 0.076707



Reviewer: lyonsb, 25-Feb-2014 09:56:01
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

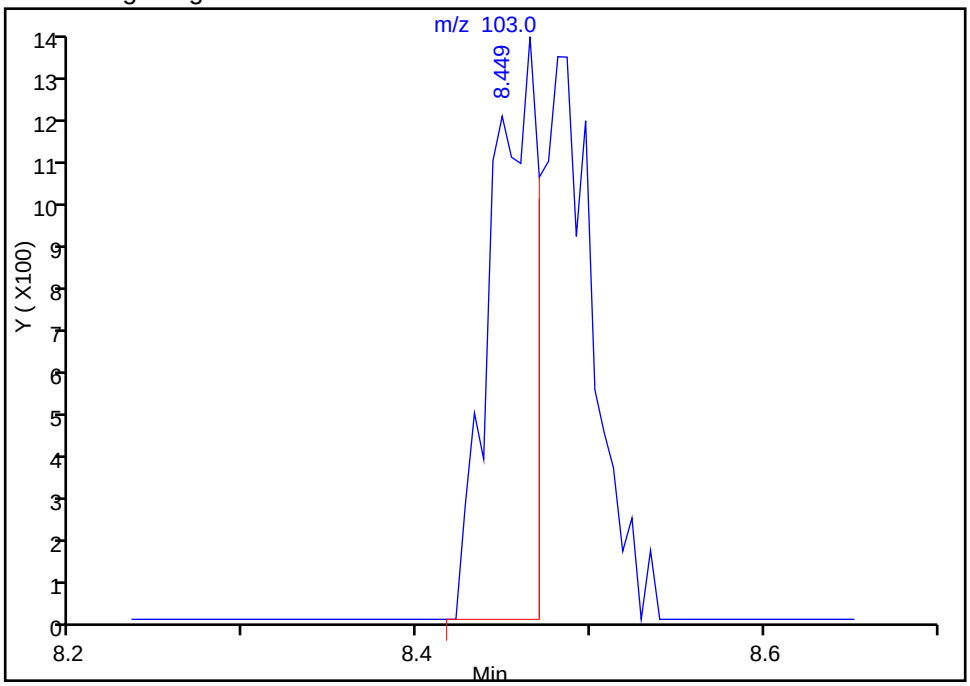
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_021.d				
Injection Date:	25-Feb-2014 04:13:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-2	Lab Sample ID:	200-20969-2		
Client ID:	AMB-021314				
Operator ID:	bl	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

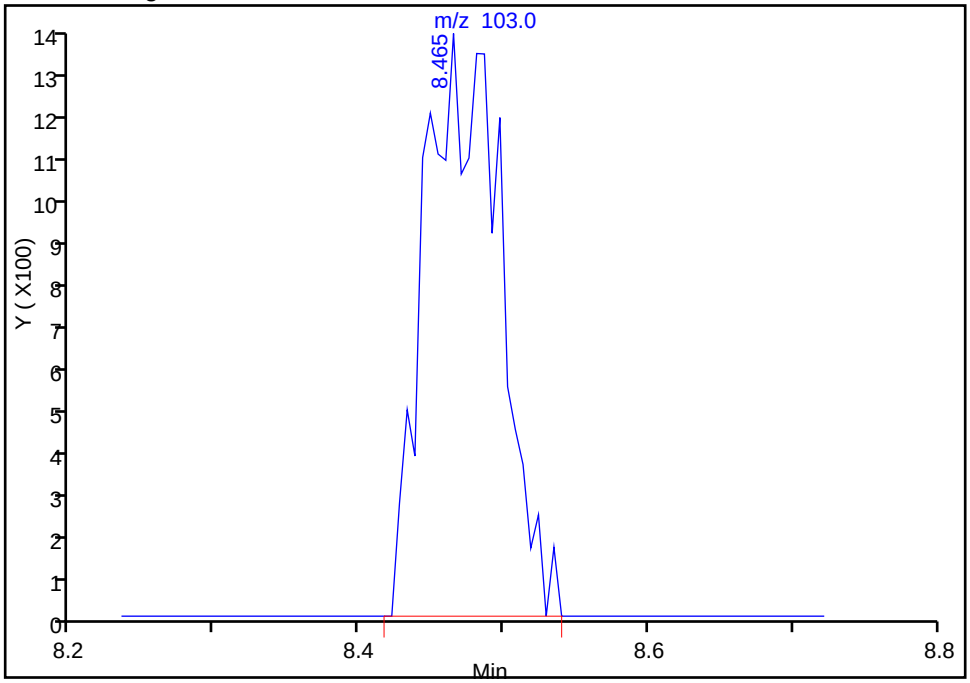
Processing Integration Results

RT: 8.45
Response: 2441
Amount: 0.061306



Manual Integration Results

RT: 8.46
Response: 4802
Amount: 0.076707



Reviewer: lyonsb, 25-Feb-2014 09:56:01
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 66774

SDG No.: 200-20955-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-66774/3	cma003.D
Level 2	IC 200-66774/4	cma004.D
Level 3	IC 200-66774/5	cma005.D
Level 4	IC 200-66774/6	cma006.D
Level 5	ICIS 200-66774/7	cma007.D
Level 6	IC 200-66774/8	cma008.D
Level 7	IC 200-66774/9	cma009.D
Level 8	IC 200-66774/10	cma010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.1534	+++++ 0.1423	0.2322 0.1326	0.1758	0.1615	Ave		0.1663				21.0		30.0			
Freon 12	+++++ 1.6269	+++++ 1.5883	1.8917 1.4716	1.8041	1.7138	Ave		1.6827				9.0		30.0			
Freon 22	+++++ 0.4852	+++++ 0.4726	0.6178 0.4389	0.5695	0.5217	Ave		0.5176				13.0		30.0			
Freon-114	+++++ 1.6919	1.8113 1.6464	2.0117 1.5061	1.9011	1.8031	Ave		1.7674				9.5		30.0			
Chloromethane	+++++ 0.2441	+++++ 0.2364	0.3414 0.2218	0.2887	0.2658	Ave		0.2664				16.0		30.0			
n-Butane	+++++ 0.3644	+++++ 0.3322	0.5080 0.3077	0.4051	0.3665	Ave		0.3806				19.0		30.0			
Vinyl chloride	0.3430 0.4107	0.4492 0.4037	0.4920 0.3760	0.4698	0.4351	Ave		0.4224				12.0		30.0			
1,3-Butadiene	+++++ 0.2528	0.2900 0.2473	0.2979 0.2325	0.2916	0.2723	Ave		0.2692				9.4		30.0			
Bromomethane	+++++ 0.6269	0.6986 0.6201	0.7301 0.5887	0.6857	0.6637	Ave		0.6591				7.5		30.0			
Chloroethane	+++++ 0.1956	+++++ 0.1908	0.2430 0.1827	0.2226	0.2091	Ave		0.2073				11.0		30.0			
Isopentane	+++++ 0.2316	0.3465 0.2216	0.3182 0.2072	0.2697	0.2439	Ave		0.2627				20.0		30.0			
Vinyl bromide	+++++ 0.7976	0.8240 0.7865	0.8798 0.7459	0.8459	0.8230	Ave		0.8147				5.3		30.0			
Freon 11	+++++ 1.9237	2.0430 1.9035	2.1529 1.7994	2.0712	2.0012	Ave		1.9850				6.0		30.0			
n-Pentane	+++++ 0.4279	+++++ 0.3933	0.5556 0.3656	0.4886	0.4366	Ave		0.4446				15.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 66774

SDG No.: 200-20955-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.0901	+++++ 0.0844	0.1030 0.0769	0.0937	0.0949	Ave		0.0905				10.0		30.0			
Ethyl ether	+++++ 0.2897	0.3082 0.2826	0.3397 0.2646	0.3341	0.3079	Ave		0.3038				8.9		30.0			
Acrolein	+++++ 0.1314	+++++ 0.1200	+++++ 0.1104	0.1555	0.1422	Ave		0.1319				13.0		30.0			
Freon 113	+++++ 1.4252	1.4550 1.4025	1.6044 1.2952	1.5512	1.4836	Ave		1.4596				6.9		30.0			
1,1-Dichloroethene	+++++ 0.6788	0.6828 0.6691	0.7560 0.6170	0.7378	0.7119	Ave		0.6933				6.7		30.0			
Acetone	+++++ 0.3652	+++++ 0.3542	+++++ 0.3257	0.4547	0.4534	Ave		0.3906				15.0		30.0			
Carbon disulfide	+++++ 1.6576	+++++ 1.6237	2.0634 1.5193	1.8638	1.7412	Ave		1.7449				11.0		30.0			
Isopropyl alcohol	+++++ 0.2936	+++++ 0.2598	+++++ 0.2474	0.3405	0.2985	Ave		0.2879				13.0		30.0			
Allyl chloride	+++++ 0.2644	0.2948 0.2589	0.3316 0.2428	0.3113	0.2828	Ave		0.2838				11.0		30.0			
Acetonitrile	+++++ 0.2644	+++++ 0.2589	+++++ 0.2428	0.1761	0.1538	Ave		0.2192				23.0		30.0			
Methylene Chloride	+++++ 0.3003	+++++ 0.2906	0.4706 0.2728	0.3652	0.3191	Ave		0.3364				22.0		30.0			
tert-Butyl alcohol	+++++ 0.7325	+++++ 0.6727	+++++ 0.6352	0.8204	0.7444	Ave		0.7211				9.9		30.0			
Methyl tert-butyl ether	+++++ 1.6114	1.6174 1.5763	1.8114 1.4769	1.7744	1.6874	Ave		1.6507				7.0		30.0			
trans-1,2-Dichloroethene	+++++ 0.6196	0.6628 0.6034	0.7432 0.5527	0.7107	0.6613	Ave		0.6505				10.0		30.0			
Acrylonitrile	+++++ 0.2390	+++++ 0.2302	0.2711 0.2217	0.2744	0.2529	Ave		0.2482				8.7		30.0			
Hexane	+++++ 0.6177	0.6997 0.5810	0.7733 0.5420	0.6926	0.6361	Ave		0.6489				12.0		30.0			
1,1-Dichloroethane	0.8567 0.8839	0.9671 0.8724	1.0216 0.8205	1.0012	0.9357	Ave		0.9199				7.9		30.0			
Vinyl acetate	+++++ 0.6943	+++++ 0.6751	+++++ 0.6397	0.7997	0.6904	Ave		0.6999				8.5		30.0			
cis-1,2-Dichloroethene	+++++ 0.9367	0.9365 0.9313	1.0163 0.8882	0.9714	0.9607	Ave		0.9487				4.2		30.0			
Methyl Ethyl Ketone	+++++ 0.3419	+++++ 0.3353	0.4766 0.3134	0.3795	0.3662	Ave		0.3688				16.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 66774

SDG No.: 200-20955-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0791	+++++ 0.0782	+++++ 0.0735	0.0792	0.0802	Ave		0.0780				3.4		30.0			
Tetrahydrofuran	+++++ 0.0625	+++++ 0.0581	+++++ 0.0543	0.0787	0.0686	Ave		0.0644				15.0		30.0			
Chloroform	+++++ 1.7265	1.7655 1.7144	1.8915 1.6185	1.8381	1.7823	Ave		1.7624				5.0		30.0			
Cyclohexane	+++++ 0.2206	0.2314 0.2153	0.2433 0.2020	0.2386	0.2294	Ave		0.2258				6.3		30.0			
1,1,1-Trichloroethane	+++++ 0.3491	0.3520 0.3451	0.3809 0.3276	0.3746	0.3635	Ave		0.3561				5.1		30.0			
Carbon tetrachloride	0.3658 0.3951	0.3693 0.3955	0.4109 0.3822	0.4102	0.4064	Ave		0.3919				4.5		30.0			
2,2,4-Trimethylpentane	+++++ 0.5555	0.6323 0.5271	0.6878 0.4715	0.6611	0.6030	Ave		0.5912				13.0		30.0			
Benzene	+++++ 0.4995	0.5574 0.4871	0.5702 0.4515	0.5455	0.5244	Ave		0.5194				8.2		30.0			
1,2-Dichloroethane	+++++ 0.1761	0.1805 0.1724	0.2040 0.1633	0.1982	0.1868	Ave		0.1831				7.8		30.0			
Heptane	+++++ 0.1522	0.2032 0.1407	0.2046 0.1241	0.1905	0.1666	Ave		0.1688				19.0		30.0			
n-Butanol	+++++ 0.0755	+++++ 0.0665	+++++ 0.0612	0.0850	0.0739	Ave		0.0724				13.0		30.0			
Trichloroethene	0.2736 0.2665	0.2637 0.2678	0.2799 0.2563	0.2667	0.2688	Ave		0.2679				2.6		30.0			
1,2-Dichloropropane	+++++ 0.1869	0.1963 0.1817	0.2117 0.1683	0.2046	0.1969	Ave		0.1923				7.6		30.0			
Methyl methacrylate	+++++ 0.2038	+++++ 0.2009	0.1995 0.1891	0.2106	0.2090	Ave		0.2021				3.8		30.0			
1,4-Dioxane	+++++ 0.0933	+++++ 0.0848	+++++ 0.0765	0.0979	0.0943	Ave		0.0894				9.6		30.0			
Dibromomethane	+++++ 0.2791	0.2312 0.2918	0.2441 0.2976	0.2489	0.2677	Ave		0.2658				9.5		30.0			
Bromodichloromethane	+++++ 0.4098	0.3793 0.4065	0.4098 0.3869	0.4205	0.4181	Ave		0.4044				3.8		30.0			
cis-1,3-Dichloropropene	+++++ 0.3311	0.3048 0.3280	0.3353 0.3137	0.3386	0.3377	Ave		0.3270				4.0		30.0			
methyl isobutyl ketone	+++++ 0.2422	+++++ 0.2276	0.2916 0.2027	0.2930	0.2659	Ave		0.2538				14.0		30.0			
Toluene	+++++ 0.4927	0.5042 0.4915	0.5055 0.4640	0.4913	0.4989	Ave		0.4926				2.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 66774

SDG No.: 200-20955-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.2586	0.3446 0.2356	0.3609 0.1915	0.3339	0.2904	Ave		0.2879				22.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.3400	0.3597 0.3382	0.3532 0.3235	0.3548	0.3545	Ave		0.3463				3.7		30.0			
1,1,2-Trichloroethane	+++++ 0.2246	0.2168 0.2223	0.2352 0.2088	0.2311	0.2301	Ave		0.2241				4.1		30.0			
Tetrachloroethene	0.3897 0.4555	0.3798 0.4747	0.4103 0.4781	0.4124	0.4414	Ave		0.4302				8.8		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2468	+++++ 0.2292	0.3031 0.2012	0.3014	0.2708	Ave		0.2588				16.0		30.0			
Dibromochloromethane	+++++ 0.5052	0.3959 0.5164	0.4331 0.5141	0.4748	0.4972	Ave		0.4767				9.6		30.0			
1,2-Dibromoethane	+++++ 0.4516	0.3990 0.4567	0.4200 0.4400	0.4376	0.4509	Ave		0.4366				4.7		30.0			
Chlorobenzene	+++++ 0.7132	0.6545 0.7239	0.6827 0.7079	0.6828	0.7089	Ave		0.6963				3.4		30.0			
Ethylbenzene	+++++ 1.0668	1.0186 1.0647	1.0909 1.0032	1.0732	1.0809	Ave		1.0569				3.1		30.0			
n-Nonane	+++++ 0.3790	0.4551 0.3552	0.4830 0.2994	0.4483	0.4107	Ave		0.4044				16.0		30.0			
m,p-Xylene	+++++ 0.4555	0.4052 0.4547	0.4430 0.4192	0.4452	0.4592	Ave		0.4403				4.6		30.0			
Xylene, o-	+++++ 0.4409	0.3991 0.4455	0.4281 0.4277	0.4309	0.4428	Ave		0.4307				3.7		30.0			
Styrene	+++++ 0.7106	0.5452 0.7160	0.6009 0.6889	0.6757	0.7053	Ave		0.6632				9.8		30.0			
Bromoform	+++++ 0.5506	0.3827 0.5677	0.4173 0.5642	0.4984	0.5335	Ave		0.5021				15.0		30.0			
Cumene	+++++ 1.2577	1.1317 1.2571	1.2050 1.1873	1.2395	1.2648	Ave		1.2204				4.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5883	0.5757 0.5667	0.6158 0.4999	0.6251	0.6116	Ave		0.5833				7.3		30.0			
n-Propylbenzene	+++++ 1.4526	1.4124 1.4151	1.4790 1.2576	1.5018	1.4844	Ave		1.4290				5.8		30.0			
1,2,3-Trichloropropane	+++++ 0.4301	+++++ 0.4101	0.4882 0.3565	0.4745	0.4552	Ave		0.4358				11.0		30.0			
n-Decane	+++++ 0.4542	+++++ 0.4059	0.6224 0.3021	0.5793	0.4983	Ave		0.4770				24.0		30.0			
4-Ethyltoluene	+++++ 1.2953	1.1892 1.2529	1.2601 1.0470	1.3220	1.3254	Ave		1.2417				7.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 66774

SDG No.: 200-20955-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 0.9769	0.9664 0.9291	1.0126 0.7648	1.0437	1.0202	Ave		0.9591				9.8		30.0			
1,3,5-Trimethylbenzene	+++++ 1.0708	0.9593 1.0628	1.0233 0.9827	1.0693	1.0706	Ave		1.0341				4.5		30.0			
Alpha Methyl Styrene	+++++ 0.5964	0.4409 0.5996	0.4649 0.5800	0.5597	0.5703	Ave		0.5445				12.0		30.0			
tert-Butylbenzene	+++++ 1.0617	0.9085 1.0675	1.0000 1.0087	1.0382	1.0519	Ave		1.0195				5.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.0757	0.9471 1.0619	0.9981 0.9804	1.0776	1.0682	Ave		1.0298				5.2		30.0			
sec-Butylbenzene	+++++ 1.5466	1.4102 1.5268	1.4873 1.3862	1.5623	1.5484	Ave		1.4954				4.7		30.0			
4-Isopropyltoluene	+++++ 1.3870	1.1811 1.3883	1.2425 1.2652	1.3546	1.3614	Ave		1.3115				6.2		30.0			
1,3-Dichlorobenzene	+++++ 0.8174	0.6914 0.8180	0.6658 0.7835	0.7792	0.7958	Ave		0.7644				8.0		30.0			
1,4-Dichlorobenzene	+++++ 0.8186	0.6903 0.8196	0.6690 0.7953	0.7654	0.7945	Ave		0.7647				8.0		30.0			
Benzyl chloride	+++++ 0.9439	0.8388 0.9149	0.8501 0.8624	0.9640	0.9621	Ave		0.9052				6.0		30.0			
n-Butylbenzene	+++++ 1.0865	1.1000 1.0067	1.1109 0.7914	1.2053	1.1374	Ave		1.0626				13.0		30.0			
n-Undecane	+++++ 0.4618	+++++ 0.3898	+++++ 0.2558	0.6453	0.4763	Ave		0.4458				32.0	*	30.0			
1,2-Dichlorobenzene	+++++ 0.7609	0.6678 0.7630	0.6407 0.7513	0.7239	0.7388	Ave		0.7209				6.7		30.0			
n-Dodecane	+++++ 0.5264	+++++ 0.4572	+++++ 0.2040	0.6058	0.3060	Ave		0.4199				39.0	*	30.0			
1,2,4-Trichlorobenzene	+++++ 0.6507	+++++ 0.6077	0.2708 0.4851	0.5217	0.5159	Ave		0.5087				26.0		30.0			
Hexachloro-1,3-butadiene	+++++ 0.5595	0.4362 0.5567	0.4306 0.3699	0.5220	0.5079	Ave		0.4833				15.0		30.0			
Naphthalene	+++++ 1.3059	+++++ 1.0506	0.3315 0.9664	0.8109	0.8281	Ave		0.8822				37.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.5601	0.4638 0.5130	0.2207 0.3312	0.4522	0.4139	Ave		0.4221				27.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 66774

SDG No.: 200-20955-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-66774/3	cma003.D
Level 2	IC 200-66774/4	cma004.D
Level 3	IC 200-66774/5	cma005.D
Level 4	IC 200-66774/6	cma006.D
Level 5	ICIS 200-66774/7	cma007.D
Level 6	IC 200-66774/8	cma008.D
Level 7	IC 200-66774/9	cma009.D
Level 8	IC 200-66774/10	cma010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 124122	+++++ 157143	5571 298655	42935	84638	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 12	BCM	Ave	+++++ 1316189	+++++ 1754058	45377 3315356	440533	898118	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 392514	+++++ 521868	14821 988759	139066	273415	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon-114	BCM	Ave	+++++ 1368796	17710 1818253	48257 3393002	464216	944889	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 197446	+++++ 261114	8190 499671	70501	139299	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 294776	+++++ 366810	12186 693094	98918	192043	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	703 332260	4392 445864	11803 846985	114705	228021	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 204506	2835 273104	7147 523834	71198	142721	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 507195	6831 684801	17513 1326169	167437	347831	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 158262	+++++ 210748	5829 411528	54348	109569	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 187359	3388 244772	7633 466708	65852	127794	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl bromide	BCM	Ave	+++++ 645267	8057 868559	21104 1680461	206549	431306	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Freon 11	BCM	Ave	+++++ 1556335	19976 2102105	51644 4053828	505743	1048712	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 346175	+++++ 434342	13327 823720	119316	228804	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 97367	+++++ 186347	24739 432862	45774	74658	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 66774

SDG No.: 200-20955-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 234347	3013 312120	8149 596037	81581	161365	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 106342	+++++ 132544	+++++ 248766	37975	74508	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon 113	BCM	Ave	+++++ 1153017	14226 1548857	38486 2917761	378769	777486	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 549125	6676 738974	18135 1389925	180155	373073	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 295444	+++++ 391172	+++++ 733792	111024	237601	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1341038	+++++ 1793102	49498 3422690	455113	912494	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 237522	+++++ 286886	+++++ 557249	83134	156436	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Allyl chloride	BCM	Ave	+++++ 213885	2882 285868	7954 547043	76006	148213	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 213885	+++++ 285861	+++++ 547029	43003	80607	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 242935	+++++ 320938	11288 614488	89173	167207	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 592633	+++++ 742921	+++++ 1431100	200334	390095	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1303626	15814 1740821	43452 3327207	433281	884266	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 501227	6481 666324	17829 1245123	173528	346536	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 193356	+++++ 254226	6503 499532	67000	132521	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexane	BCM	Ave	+++++ 499690	6841 641670	18551 1221057	169121	333354	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1756 715112	9456 963481	24506 1848529	244466	490369	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 561708	+++++ 745535	+++++ 1441251	195275	361815	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 757771	9157 1028480	24378 2001034	237194	503475	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 276633	+++++ 370305	11432 706139	92669	191902	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 64014	+++++ 86361	+++++ 165484	19335	42054	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 289349	+++++ 371828	+++++ 708235	105798	201675	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 66774

SDG No.: 200-20955-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1396759	17262 1893294	45374 3646312	448827	934006	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1020592	12523 1378482	32227 2636392	320896	674009	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1615260	19053 2209737	50442 4276728	503779	1068292	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	4267 1828171	19989 2532074	54412 4988641	551593	1194161	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2570029	34225 3374963	91084 6155007	889099	1772110	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 2311015	30171 3118954	75512 5893988	733560	1541036	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 814888	9772 1104020	27010 2131827	266586	549003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Heptane	DFB	Ave	+++++ 704042	10999 900677	27101 1619771	256172	489714	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 349357	+++++ 425996	+++++ 798972	114306	217103	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	3192 1233269	14274 1714473	37062 3345512	358675	789784	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 864837	10622 1163175	28037 2197076	275105	578531	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 942825	+++++ 1286318	26422 2468173	283187	614278	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 431565	+++++ 543037	+++++ 999017	131628	277018	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 1291367	12513 1868268	32333 3885444	334700	786588	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1896111	20532 2602704	54274 5051043	565458	1228678	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1531995	16495 2100471	44401 4095202	455388	992342	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1120828	+++++ 1456998	38613 2646426	394075	781397	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 2196929	25455 3047441	62424 5885894	628054	1407345	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1196735	18652 1508661	47800 2499868	449048	853405	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1573168	19466 2165511	46779 4222649	477111	1041881	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1001770	10948 1377991	29041 2648591	295352	649014	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 66774

SDG No.: 200-20955-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	4229 2031274	19177 2943208	50675 6064560	527159	1245014	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1100791	+++++ 1421043	37430 2552778	385316	763872	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 2252964	19986 3201569	53484 6521503	606906	1402463	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2013934	20146 2831746	51874 5581701	559382	1271910	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 3180517	33042 4487860	84317 8980350	872800	1999703	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 4757073	51427 6600852	134729 12725806	1371777	3048982	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 1689974	22977 2202089	59655 3797852	572999	1158583	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 4062425	40912 5638403	109426 10635110	1138257	2590473	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1965912	20148 2761754	52875 5425653	550762	1249103	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 3168626	27525 4439325	74216 8738808	863740	1989385	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 2455409	19324 3519944	51533 7156617	637087	1504831	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 5608554	57135 7793634	148819 15060699	1584424	3567777	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 2623603	29067 3513658	76052 6341028	799069	1725251	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 6477530	71307 8773755	182650 15953282	1919597	4187105	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1917898	+++++ 2542638	60287 4522411	606575	1283930	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 2025555	+++++ 2516659	76865 3831625	740523	1405567	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 5776169	60039 7768139	155619 13281490	1689816	3738585	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 4356577	48789 5760441	125060 9701240	1334057	2877864	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 4774950	48434 6588946	126376 12465448	1366762	3019837	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 2659502	22259 3717362	57416 7357313	715477	1608683	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 4734472	45870 6618459	123503 12795874	1327113	2967315	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 66774

SDG No.: 200-20955-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/03/2014 09:43 Calibration End Date: 01/03/2014 15:48 Calibration ID: 25229

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 4796792	47819 6583826	123258 12436082	1377412	3013132	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 6896883	71199 9466258	183683 17583772	1996965	4367727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 6185335	59633 8607057	153445 16048695	1731528	3840403	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 3645061	34909 5071291	82226 9939069	996013	2244736	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 3650630	34850 5081191	82626 10088897	978415	2241230	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 4209069	42350 5672247	104986 10939788	1232207	2713993	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 4845205	55538 6241306	137191 10038946	1540692	3208309	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 2059120	+++++ 2416563	+++++ 3244490	824877	1343489	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 3393031	33715 4730576	79120 9530424	925329	2084160	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 2347257	+++++ 2834400	+++++ 2587541	774295	863185	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 2901798	+++++ 3767518	33442 6153908	666882	1455384	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachloro-1,3-butadiene	CBZ	Ave	+++++ 2494911	22022 3451475	53181 4692774	667222	1432742	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 5823598	+++++ 6513834	40941 12259209	1036507	2335893	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 2497503	23415 3180482	27258 4201320	578055	1167583	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma003.D
Lims ID: ic Lab Sample ID: VIBLK 200-66774/3-A
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Jan-2014 09:43:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-003
Misc. Info.: ic
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:19:30 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: lyonsb Date: 14-Jan-2014 12:55:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		3.181					
2 Dichlorodifluoromethane	85		3.256					
6 Chlorodifluoromethane	51		3.320					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.549					
8 Chloromethane	50		3.704					
9 Butane	43		3.918					
10 Vinyl chloride	62	3.976	3.971	0.005	20	703	0.0325	M
11 Butadiene	54		4.056					
12 Bromomethane	94		4.798					
13 Chloroethane	64		5.060					
14 2-Methylbutane	43		5.134					
15 Vinyl bromide	106		5.476					
16 Trichlorofluoromethane	101		5.583					
17 Pentane	43		5.732					
19 Ethanol	45		6.239					
21 Ethyl ether	59		6.303					
22 Acrolein	56		6.719					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.725					
24 1,1-Dichloroethene	96		6.773					
25 Acetone	43		7.056					
26 Carbon disulfide	76		7.157					
27 Isopropyl alcohol	45		7.371					
29 3-Chloro-1-propene	41		7.605					
30 Acetonitrile	41		7.776					
31 Methylene Chloride	49		7.915					
32 2-Methyl-2-propanol	59		8.176					
33 Methyl tert-butyl ether	73		8.331					
34 trans-1,2-Dichloroethene	61		8.358					
35 Acrylonitrile	53		8.555					
36 Hexane	57		8.758					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	37 1,1-Dichloroethane	63	9.276	9.281	-0.005	2	1756	0.0373		M
	38 Vinyl acetate	43		9.377						
S	41 1,2-Dichloroethene, Total	61		10.200						
	39 cis-1,2-Dichloroethene	96		10.445						
	40 2-Butanone (MEK)	72		10.530						
	42 Ethyl acetate	88		10.562						
*	43 Chlorobromomethane	128	10.936	10.936	0.0	64	511329	10.0		
	44 Tetrahydrofuran	42		10.952						
	45 Chloroform	83		11.080						
	46 Cyclohexane	84		11.304						M
	47 1,1,1-Trichloroethane	97		11.352						
	48 Carbon tetrachloride	117	11.608	11.608	0.0	59	4267	0.0374		M
	51 Isooctane	57		12.067						
	50 Benzene	78		12.110						
	52 1,2-Dichloroethane	62		12.318						
	53 n-Heptane	43		12.478						
*	54 1,4-Difluorobenzene	114	13.006	13.006	0.0	91	2909925	10.0		
	55 n-Butanol	56		13.449						
	56 Trichloroethene	95	13.481	13.487	-0.006	46	3192	0.0409		M
A	57 GRO	1		5.124	21.886					
	58 1,2-Dichloropropane	63		14.090						
	59 Methyl methacrylate	69		14.271						
	60 1,4-Dioxane	88		14.335						
	61 Dibromomethane	174		14.351						
	62 Dichlorobromomethane	83		14.655						M
A	63 TVOC as Toluene	1		3.171	27.394					
	64 cis-1,3-Dichloropropene	75		15.616						
	65 4-Methyl-2-pentanone (MIBK)	43		15.926						
A	67 Toluene Range	1		16.174	16.254					
	66 Toluene	92		16.214						
A	69 C8 Range	1		16.201	16.301					
	68 n-Octane	43		16.251						
	70 trans-1,3-Dichloropropene	75		16.828						
	71 1,1,2-Trichloroethane	83		17.212						M
	72 Tetrachloroethene	166	17.292	17.297	-0.005	62	4229	0.0363		
	73 2-Hexanone	43		17.671						
	74 Chlorodibromomethane	129		17.975						
	75 Ethylene Dibromide	107		18.252						
*	76 Chlorobenzene-d5	117	19.149	19.149	0.0	81	2707206	10.0		
	77 Chlorobenzene	112		19.208						
	78 Ethylbenzene	91		19.357						
	79 n-Nonane	57		19.459						
	81 m-Xylene & p-Xylene	106		19.608						M
S	82 Xylenes, Total	106		20.100						
	83 o-Xylene	106		20.414						
	84 Styrene	104		20.467						
	85 Bromoform	173		20.862						
	86 Isopropylbenzene	105		21.049						
$	87 4-Bromofluorobenzene	95	21.401	21.401	0.0	97	1885193	NC		
	88 1,1,2,2-Tetrachloroethane	83		21.668						
	90 N-Propylbenzene	91		21.727						
	89 1,2,3-Trichloropropane	75		21.764						

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane			57		21.876		
91 4-Ethyltoluene			105		21.908		
92 2-Chlorotoluene			91		21.924		
94 1,3,5-Trimethylbenzene			105		22.010		
95 Alpha Methyl Styrene			118		22.362		
96 tert-Butylbenzene			119		22.479		
97 1,2,4-Trimethylbenzene			105		22.570		
98 sec-Butylbenzene			105		22.794		
99 4-Isopropyltoluene			119		22.992		
100 1,3-Dichlorobenzene			146		23.029		
101 1,4-Dichlorobenzene			146		23.168		
102 Benzyl chloride			91		23.376		
103 n-Butylbenzene			91		23.579		
104 Undecane			57		23.584		
105 1,2-Dichlorobenzene			146		23.723		
106 Dodecane			57		25.244		
107 1,2,4-Trichlorobenzene			180		26.354		
108 Hexachlorobutadiene			225		26.541		
109 Naphthalene			128		26.882		
110 1,2,3-Trichlorobenzene			180		27.384		

QC Flag Legend

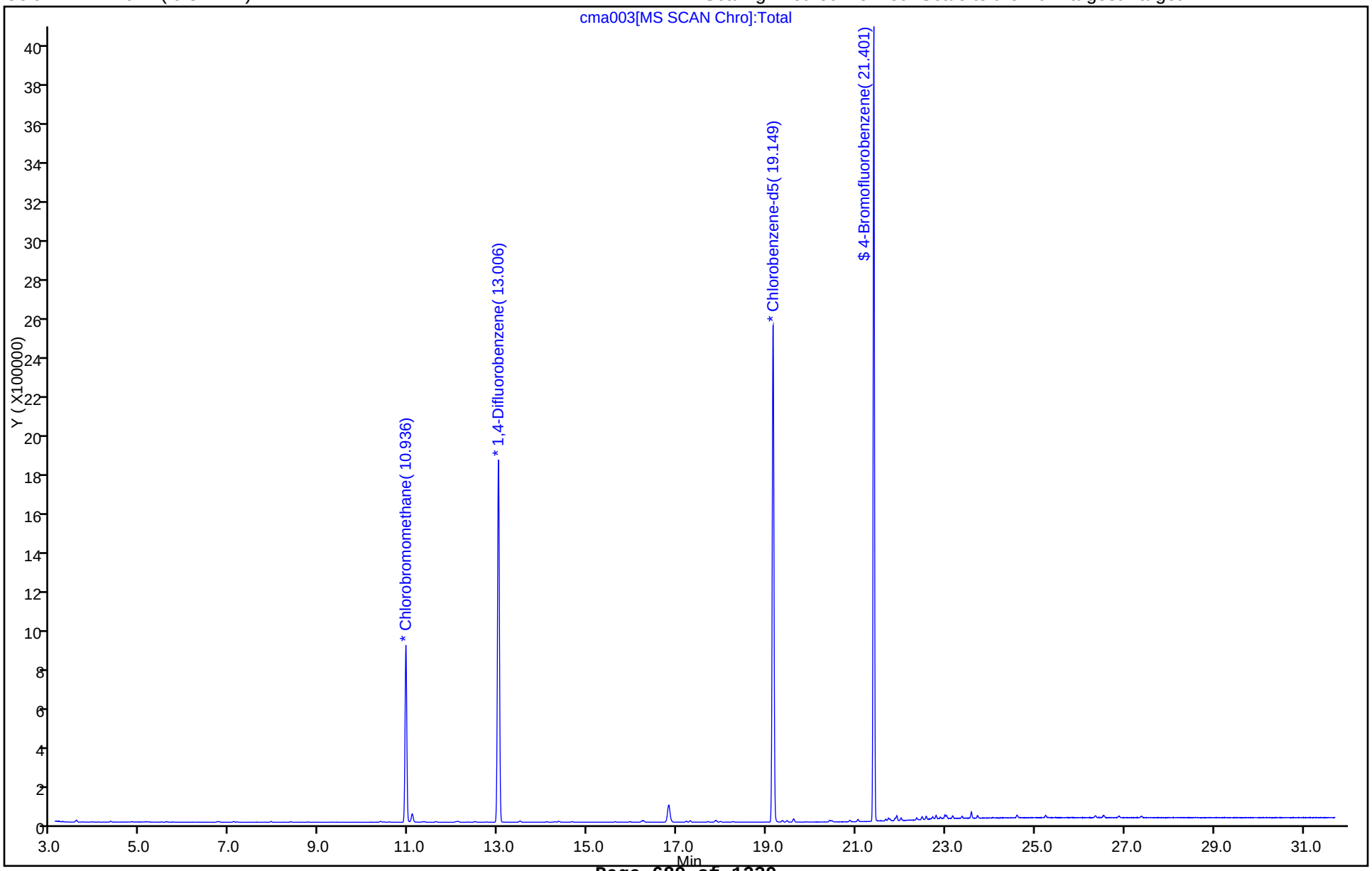
Review Flags
M - Manually Integrated

Report Date: 21-Jan-2014 12:19:31 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma003.D				
Injection Date:	03-Jan-2014 09:43:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic	Lab Sample ID:	VIBLK 200-66774/3-A	Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma003.D				
Injection Date:	03-Jan-2014 09:43:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:	VIBLK 200-66774/3-A		
Client ID:					
Operator ID:	pad	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

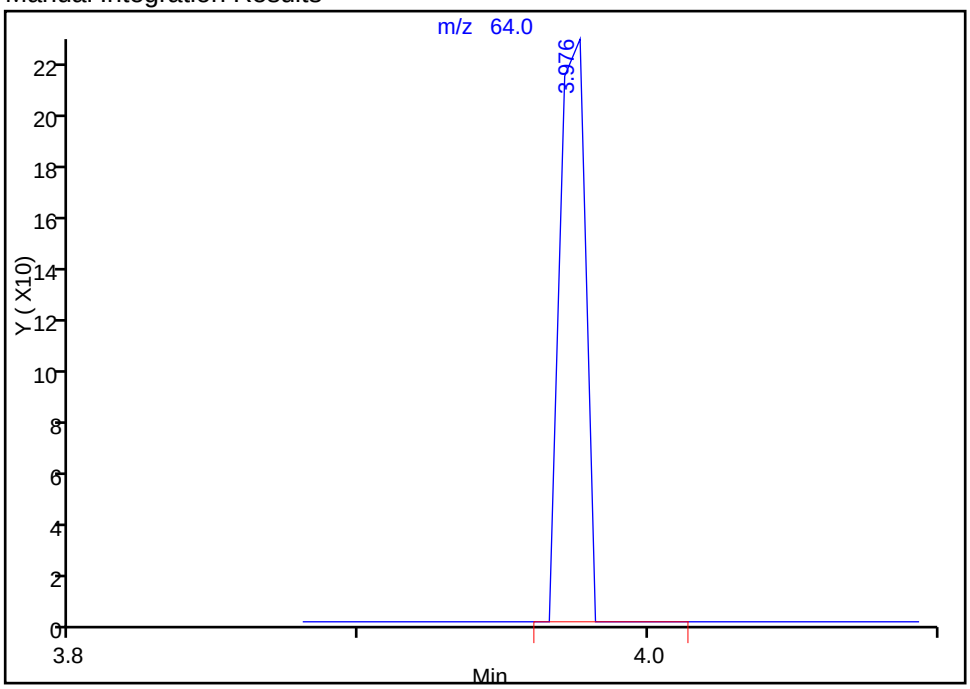
10 Vinyl chloride, CAS: 75-01-4

Processing Integration Results

RT: 3.97
Response: 0
Amount: 0.032546

Manual Integration Results

RT: 3.98
Response: 137
Amount: 0.032546



Reviewer: lyonsb, 14-Jan-2014 12:59:43
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma003.D				
Injection Date:	03-Jan-2014 09:43:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:	VIBLK 200-66774/3-A		
Client ID:					
Operator ID:	pad	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

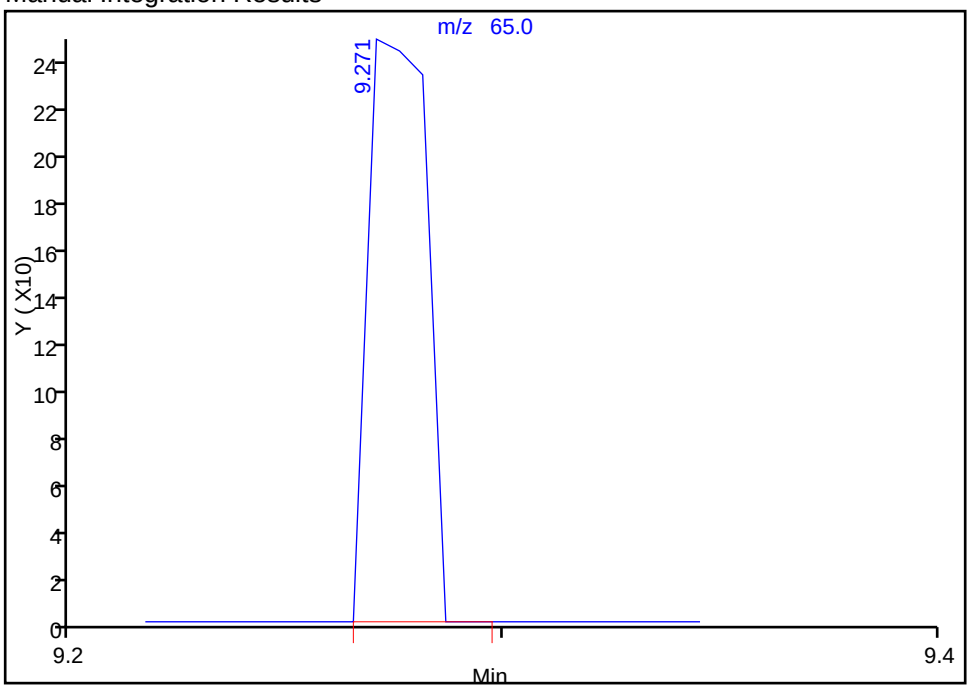
37 1,1-Dichloroethane, CAS: 75-34-3

Processing Integration Results

RT: 9.28
Response: 0
Amount: 0.037332

Manual Integration Results

RT: 9.27
Response: 229
Amount: 0.037332



Reviewer: lyonsb, 14-Jan-2014 12:59:43
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma003.D				
Injection Date:	03-Jan-2014 09:43:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:	VIBLK 200-66774/3-A		
Client ID:					
Operator ID:	pad	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

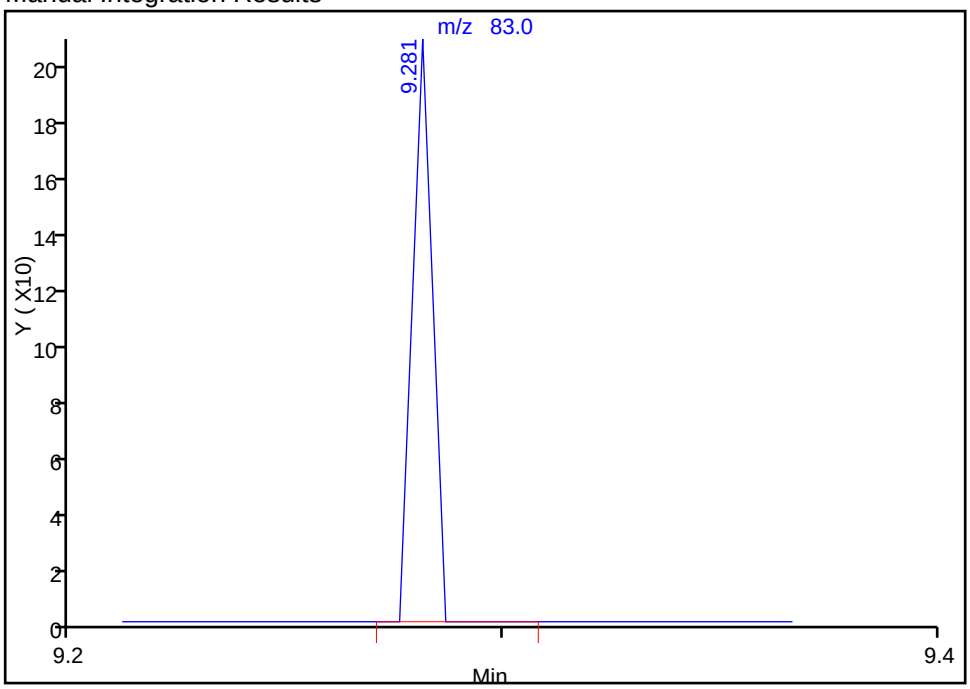
37 1,1-Dichloroethane, CAS: 75-34-3

Processing Integration Results

RT: 9.28
Response: 0
Amount: 0.037332

Manual Integration Results

RT: 9.28
Response: 65
Amount: 0.037332



Reviewer: lyonsb, 14-Jan-2014 12:59:43
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

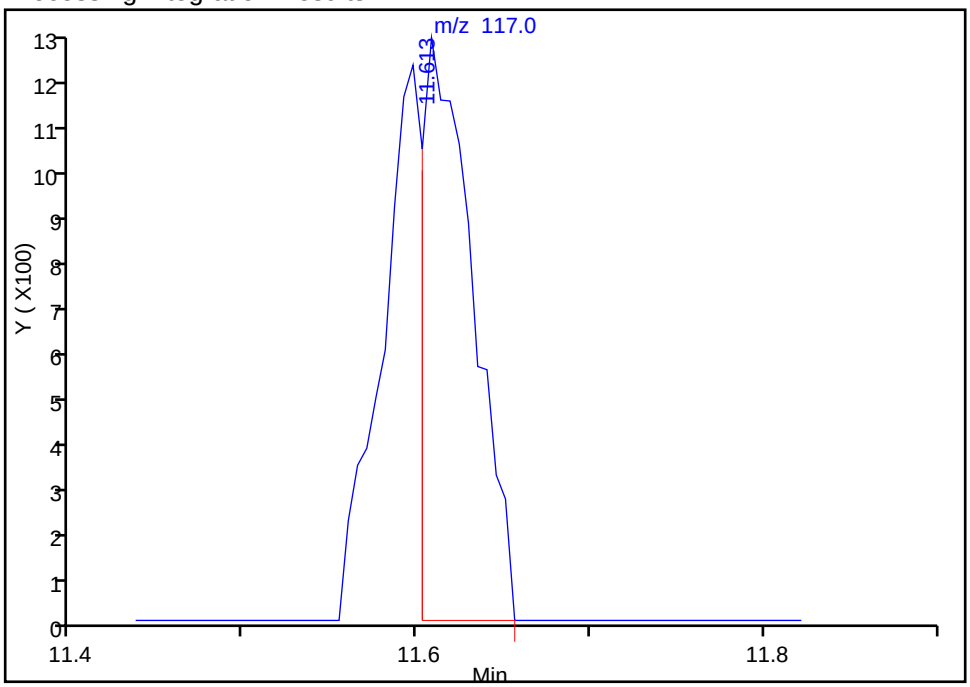
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma003.D				
Injection Date:	03-Jan-2014 09:43:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:	VIBLK 200-66774/3-A		
Client ID:					
Operator ID:	pad	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 Carbon tetrachloride, CAS: 56-23-5

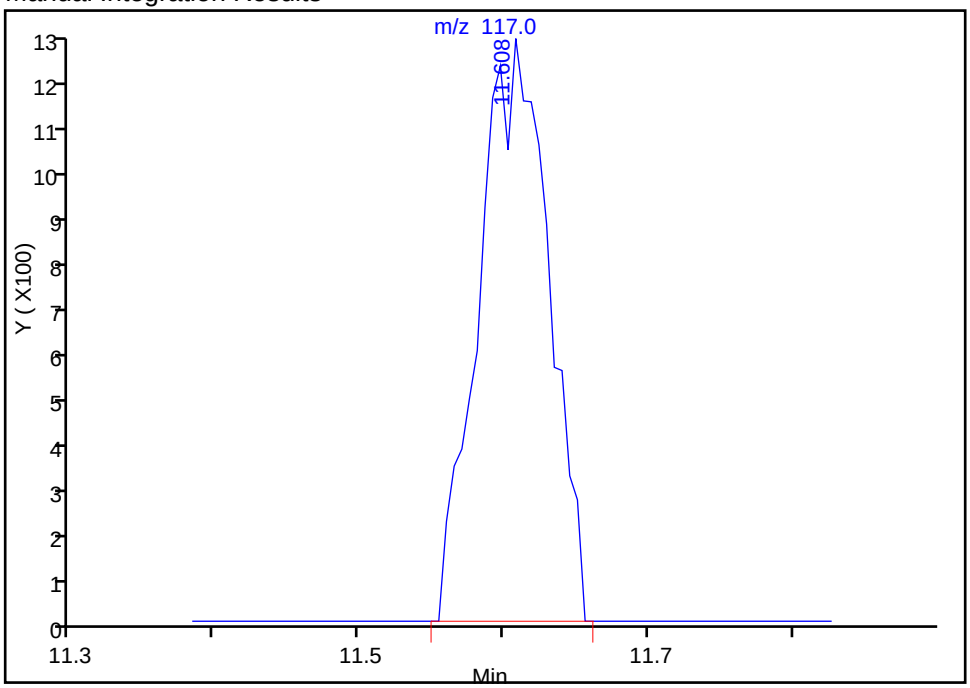
Processing Integration Results

RT: 11.61
Response: 2593
Amount: 0.023828



Manual Integration Results

RT: 11.61
Response: 4267
Amount: 0.037416



Reviewer: lyonsb, 14-Jan-2014 12:59:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

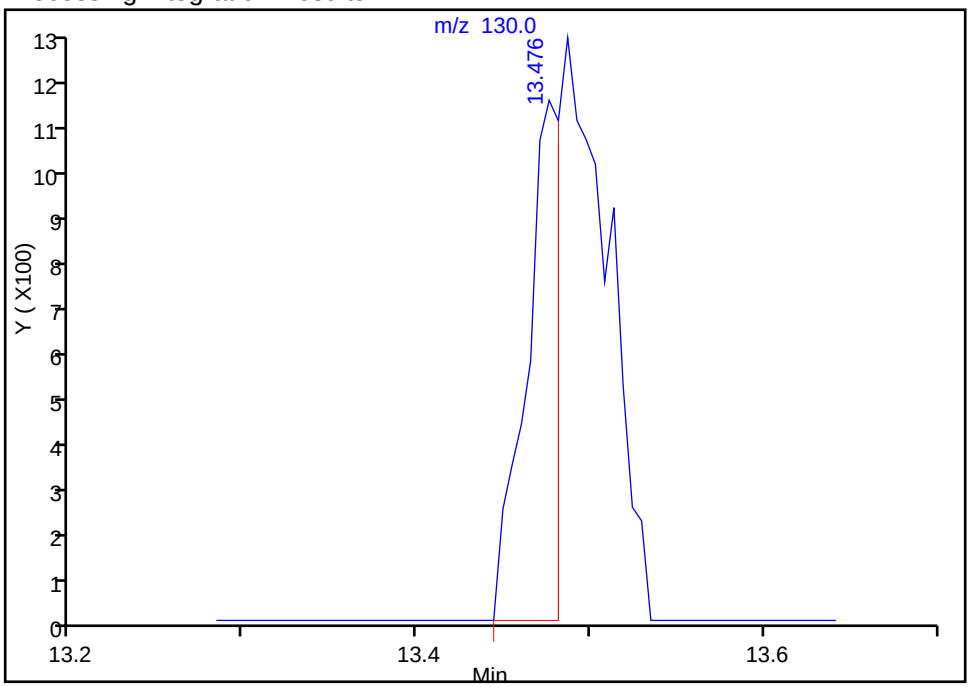
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma003.D				
Injection Date:	03-Jan-2014 09:43:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:	VIBLK 200-66774/3-A		
Client ID:					
Operator ID:	pad	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

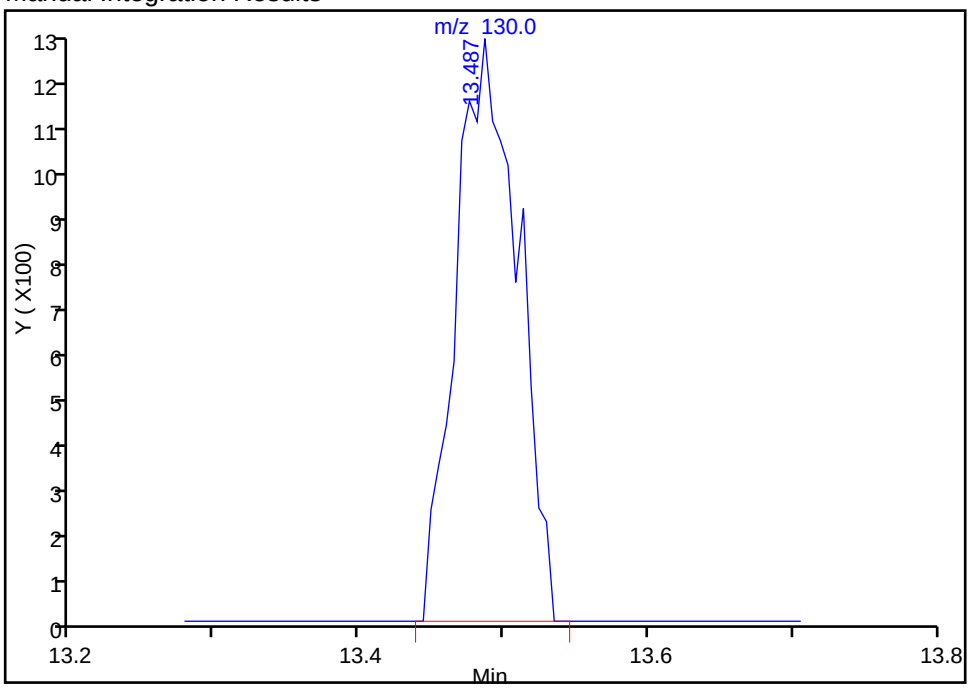
Processing Integration Results

RT: 13.48
Response: 1559
Amount: 0.040944



Manual Integration Results

RT: 13.49
Response: 3816
Amount: 0.040944



Reviewer: lyonsb, 14-Jan-2014 12:59:43
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Report Date: 21-Jan-2014 12:19:33 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma004.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 03-Jan-2014 10:35:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-004
Misc. Info.: ic
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:19:32 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: desjardinsb Date: 15-Jan-2014 11:45:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.186	3.181	0.005	87	3432	0.4230	
2 Dichlorodifluoromethane	85	3.261	3.256	0.005	86	17694	0.2156	
6 Chlorodifluoromethane	51	3.325	3.320	0.005	48	5677	0.2248	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.555	3.549	0.006	81	17710	0.2054	
8 Chloromethane	50	3.709	3.704	0.005	69	4943	0.3804	
9 Butane	43	3.923	3.918	0.005	85	5051	0.2720	
10 Vinyl chloride	62	3.976	3.971	0.005	35	4392	0.2131	
11 Butadiene	54	4.062	4.056	0.006	60	2835	0.2159	
12 Bromomethane	94	4.804	4.798	0.006	85	6831	0.2125	
13 Chloroethane	64	5.060	5.060	0.0	50	2252	0.2227	
14 2-Methylbutane	43	5.129	5.134	-0.005	61	3388	0.2644	
15 Vinyl bromide	106	5.476	5.476	0.0	80	8057	0.2027	M
16 Trichlorofluoromethane	101	5.588	5.583	0.005	66	19976	0.2063	
17 Pentane	43	5.727	5.732	-0.005	81	5432	0.2505	
19 Ethanol	45	6.266	6.239	0.027	74	2843	0.6441	
21 Ethyl ether	59	6.319	6.303	0.016	54	3013	0.2033	
22 Acrolein	56	6.741	6.719	0.022	1	2893	0.4496	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.735	6.725	0.010	76	14226	0.1998	
24 1,1-Dichloroethene	96	6.773	6.773	0.0	54	6676	0.1974	
25 Acetone	43	7.077	7.056	0.021	88	27907	1.46	
26 Carbon disulfide	76	7.162	7.157	0.005	85	18072	0.2123	
27 Isopropyl alcohol	45	7.403	7.371	0.032	48	3548	0.2526	M
29 3-Chloro-1-propene	41	7.600	7.605	-0.005	31	2882	0.2082	
30 Acetonitrile	41	7.792	7.776	0.016	79	2687	0.2513	
31 Methylene Chloride	49	7.915	7.915	0.0	45	5231	0.3188	
32 2-Methyl-2-propanol	59	8.214	8.176	0.038	74	6945	0.1974	M
33 Methyl tert-butyl ether	73	8.363	8.331	0.032	63	15814	0.1964	
34 trans-1,2-Dichloroethene	61	8.358	8.358	0.0	39	6481	0.2042	
35 Acrylonitrile	53	8.561	8.555	0.006	71	2459	0.2031	
36 Hexane	57	8.753	8.758	-0.005	71	6841	0.2161	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	9.287	9.281	0.006	64	9456	0.2107	
38 Vinyl acetate	43	9.377	9.377	0.0	95	6699	0.1962	
S 41 1,2-Dichloroethene, Total	61				0		0.4021	
39 cis-1,2-Dichloroethene	96	10.450	10.445	0.005	60	9157	0.1979	
40 2-Butanone (MEK)	72	10.546	10.530	0.016	83	7849	0.4363	
42 Ethyl acetate	88		10.562					
* 43 Chlorobromomethane	128	10.936	10.936	0.0	65	487805	10.0	
44 Tetrahydrofuran	42	10.989	10.952	0.037	65	4109	0.2362	
45 Chloroform	83	11.074	11.080	-0.006	39	17262	0.2008	
46 Cyclohexane	84	11.309	11.304	0.005	51	12523	0.2054	
47 1,1,1-Trichloroethane	97	11.357	11.352	0.005	69	19053	0.1981	
48 Carbon tetrachloride	117	11.608	11.608	0.0	89	19989	0.1889	
51 Isooctane	57	12.067	12.067	0.0	94	34225	0.2144	
50 Benzene	78	12.115	12.110	0.005	72	30171	0.2151	
52 1,2-Dichloroethane	62	12.323	12.318	0.005	70	9772	0.1977	
53 n-Heptane	43	12.483	12.478	0.005	65	10999	0.2412	M
* 54 1,4-Difluorobenzene	114	13.006	13.006	0.0	92	2700299	10.0	
55 n-Butanol	56	13.476	13.449	0.027	37	6730	0.3441	
56 Trichloroethene	95	13.481	13.487	-0.006	76	14274	0.1973	
A 57 GRO	1	13.505	5.124 -	21.886	0	3978309	0	
58 1,2-Dichloropropane	63	14.090	14.090	0.0	79	10622	0.2045	
59 Methyl methacrylate	69	14.277	14.271	0.006	58	9776	0.1791	
60 1,4-Dioxane	88	14.373	14.335	0.038	48	5377	0.2229	
61 Dibromomethane	174	14.351	14.351	0.0	88	12513	0.1744	
62 Dichlorobromomethane	83	14.650	14.655	-0.005	87	20532	0.1880	
A 63 TVOC as Toluene	1	15.282	3.171 -	27.394	0	6987646	52.5	
64 cis-1,3-Dichloropropene	75	15.621	15.616	0.005	62	16495	0.1868	
65 4-Methyl-2-pentanone (MIBK)	43	15.942	15.926	0.016	77	14447	0.2108	
A 67 Toluene Range	1	16.214	16.174 -	16.254	0	172220	NC	
66 Toluene	92	16.214	16.214	0.0	87	25455	0.2052	
A 69 C8 Range	1	16.251	16.201 -	16.301	0	172220	NC	
68 n-Octane	43	16.251	16.251	0.0	77	18652	0.2399	
70 trans-1,3-Dichloropropene	75	16.822	16.828	-0.006	73	19466	0.2082	
71 1,1,2-Trichloroethane	83	17.212	17.212	0.0	87	10948	0.1939	
72 Tetrachloroethene	166	17.287	17.297	-0.010	92	19177	0.1770	
73 2-Hexanone	43	17.681	17.671	0.010	83	15837	0.2430	
74 Chlorodibromomethane	129	17.970	17.975	-0.005	88	19986	0.1665	
75 Ethylene Dibromide	107	18.253	18.252	0.001	87	20146	0.1832	
* 76 Chlorobenzene-d5	117	19.149	19.149	0.0	82	2518836	10.0	
77 Chlorobenzene	112	19.208	19.208	0.0	41	33042	0.1884	
78 Ethylbenzene	91	19.357	19.357	0.0	86	51427	0.1932	
79 n-Nonane	57	19.459	19.459	0.0	80	22977	0.2256	
81 m-Xylene & p-Xylene	106	19.608	19.608	0.0	100	40912	0.3689	
S 82 Xylenes, Total	106				0		0.5546	
83 o-Xylene	106	20.414	20.414	0.0	83	20148	0.1857	
84 Styrene	104	20.462	20.467	-0.005	88	27525	0.1648	
85 Bromoform	173	20.862	20.862	0.0	97	19324	0.1528	
86 Isopropylbenzene	105	21.044	21.049	-0.005	90	57135	0.1859	
$ 87 4-Bromofluorobenzene	95	21.401	21.401	0.0	96	1793801	NC	
88 1,1,2,2-Tetrachloroethane	83	21.668	21.668	0.0	89	29067	0.1978	
90 N-Propylbenzene	91	21.732	21.727	0.005	96	71307	0.1981	
89 1,2,3-Trichloropropane	75	21.764	21.764	0.0	89	23582	0.2148	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
93 n-Decane	57	21.876	21.876	0.0	80	29101	0.2422	
91 4-Ethyltoluene	105	21.908	21.908	0.0	92	60039	0.1920	
92 2-Chlorotoluene	91	21.919	21.924	-0.005	85	48789	0.2020	
94 1,3,5-Trimethylbenzene	105	22.004	22.010	-0.006	90	48434	0.1859	
95 Alpha Methyl Styrene	118	22.362	22.362	0.0	85	22259	0.1623	
96 tert-Butylbenzene	119	22.479	22.479	0.0	90	45870	0.1786	
97 1,2,4-Trimethylbenzene	105	22.570	22.570	0.0	92	47819	0.1843	
98 sec-Butylbenzene	105	22.789	22.794	-0.005	96	71199	0.1890	
99 4-Isopropyltoluene	119	22.992	22.992	0.0	82	59633	0.1805	
100 1,3-Dichlorobenzene	146	23.024	23.029	-0.005	95	34909	0.1813	
101 1,4-Dichlorobenzene	146	23.162	23.168	-0.006	94	34850	0.1809	
102 Benzyl chloride	91	23.376	23.376	0.0	95	42350	0.1857	
103 n-Butylbenzene	91	23.579	23.579	0.0	96	55538	0.2075	
104 Undecane	57	23.584	23.584	0.0	87	33459	0.2980	
105 1,2-Dichlorobenzene	146	23.723	23.723	0.0	94	33715	0.1857	
106 Dodecane	57	25.244	25.244	0.0	89	29626	0.2801	
107 1,2,4-Trichlorobenzene	180	26.354	26.354	0.0	81	25530	0.1993	
108 Hexachlorobutadiene	225	26.541	26.541	0.0	85	22022	0.1809	
109 Naphthalene	128	26.882	26.882	0.0	95	50496	0.2272	
110 1,2,3-Trichlorobenzene	180	27.389	27.384	0.005	83	23415	0.2202	

QC Flag Legend

Review Flags
M - Manually Integrated

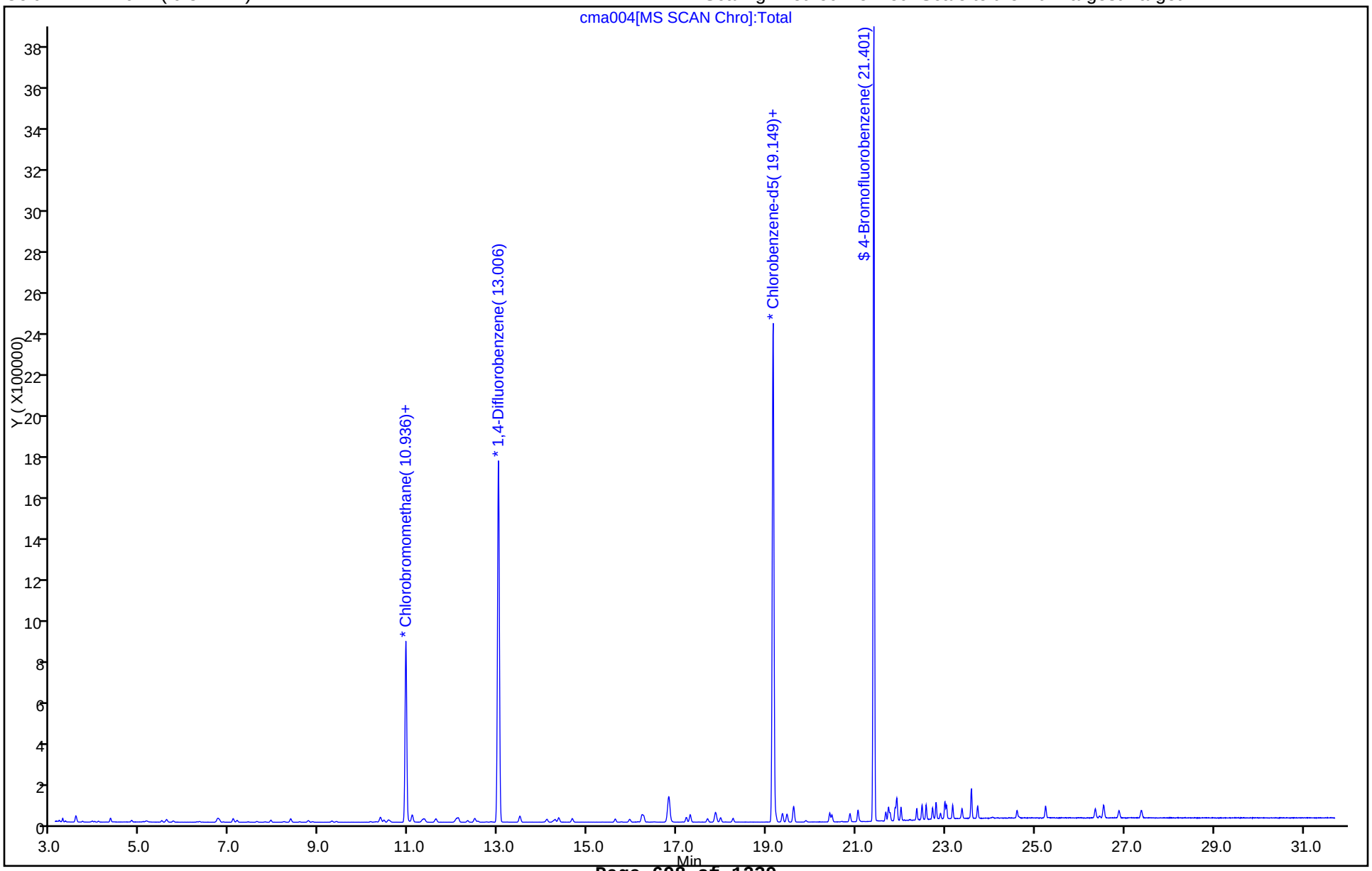
Report Date: 21-Jan-2014 12:19:33 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma004.D

Injection Date:	03-Jan-2014 10:35:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma004.D				
Injection Date:	03-Jan-2014 10:35:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

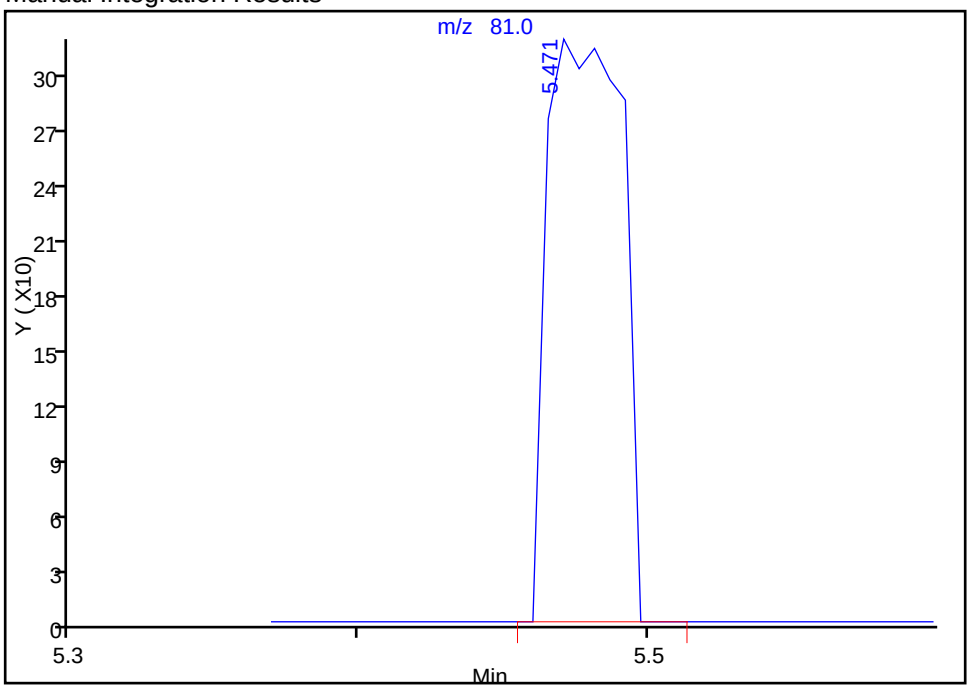
15 Vinyl bromide, CAS: 593-60-2

Processing Integration Results

RT: 5.48
Response: 0
Amount: 0.202741

Manual Integration Results

RT: 5.47
Response: 567
Amount: 0.202741



Reviewer: lyonsb, 21-Jan-2014 12:15:20
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma004.D				
Injection Date:	03-Jan-2014 10:35:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

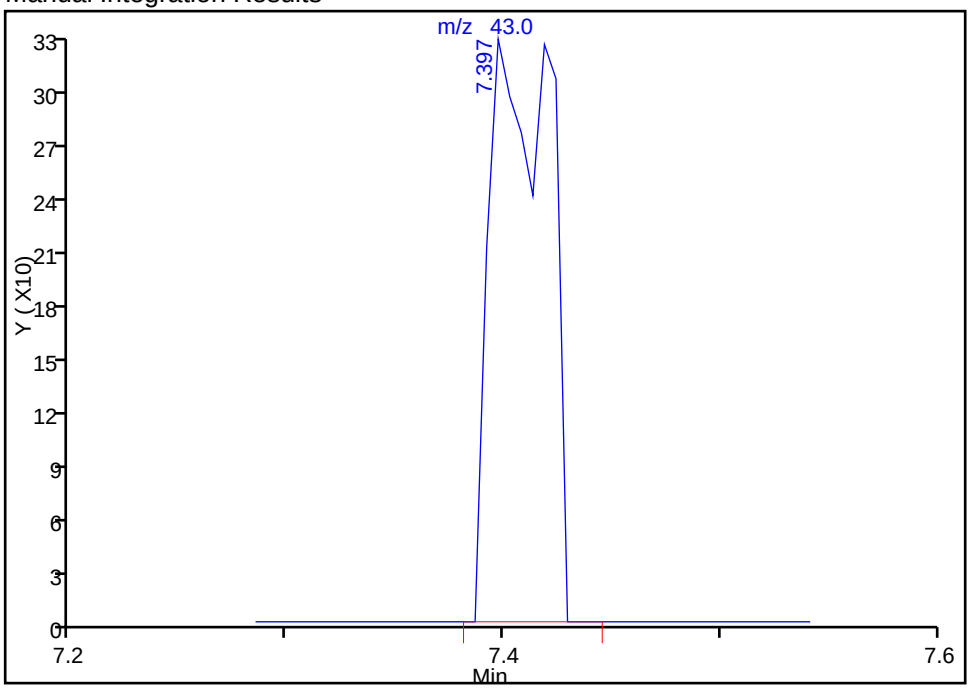
27 Isopropyl alcohol, CAS: 67-63-0

Processing Integration Results

RT: 7.37
Response: 0
Amount: 0.252601

Manual Integration Results

RT: 7.40
Response: 626
Amount: 0.252601



Reviewer: lyonsb, 21-Jan-2014 12:15:20
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma004.D				
Injection Date:	03-Jan-2014 10:35:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

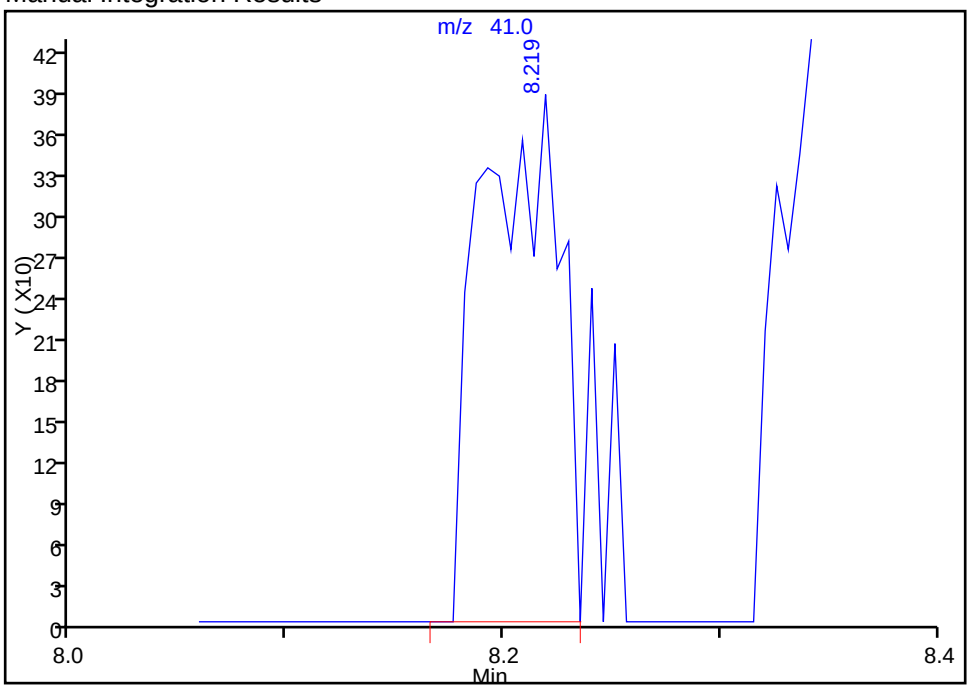
32 2-Methyl-2-propanol, CAS: 75-65-0

Processing Integration Results

RT: 8.18
Response: 0
Amount: 0.197447

Manual Integration Results

RT: 8.22
Response: 960
Amount: 0.197447



Reviewer: lyonsb, 21-Jan-2014 12:15:20
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma004.D				
Injection Date:	03-Jan-2014 10:35:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

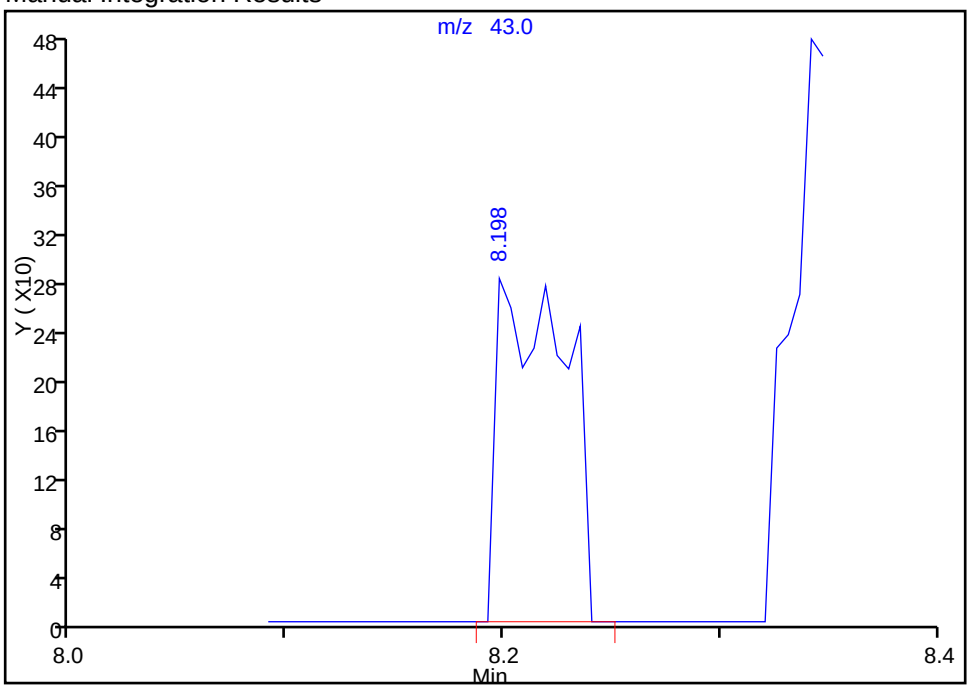
32 2-Methyl-2-propanol, CAS: 75-65-0

Processing Integration Results

RT: 8.18
Response: 0
Amount: 0.197447

Manual Integration Results

RT: 8.20
Response: 612
Amount: 0.197447



Reviewer: lyonsb, 21-Jan-2014 12:15:20
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

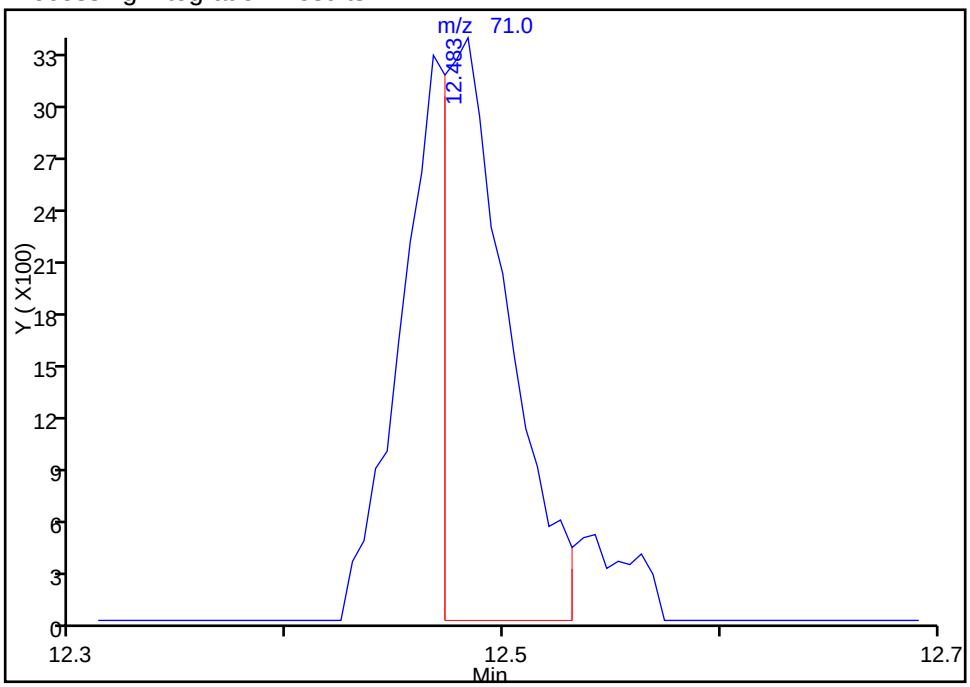
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma004.D				
Injection Date:	03-Jan-2014 10:35:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	pad	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

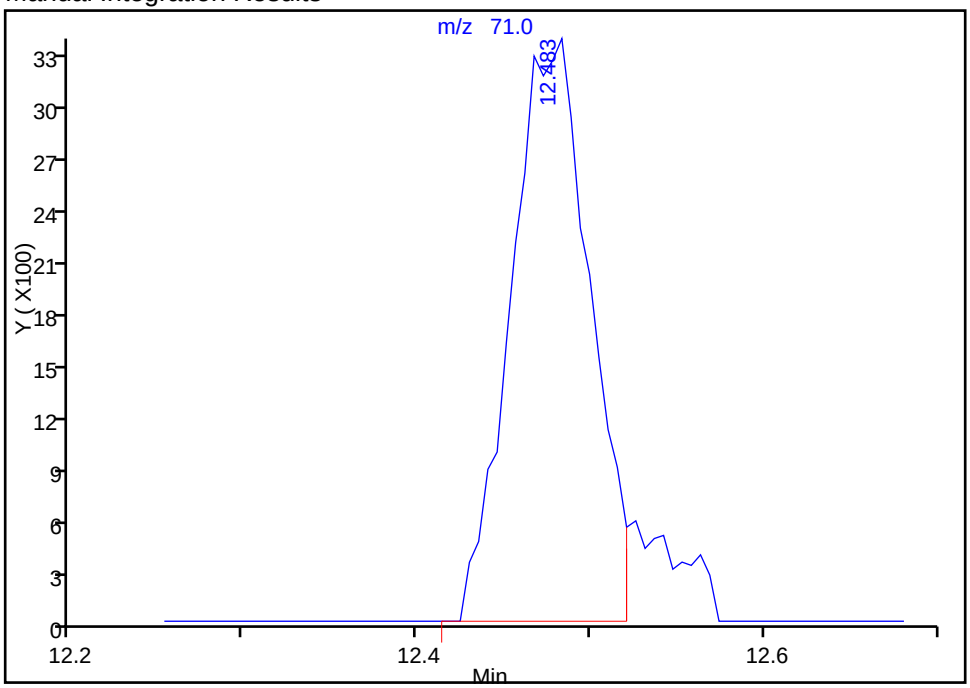
Processing Integration Results

RT: 12.48
Response: 7035
Amount: 0.241244



Manual Integration Results

RT: 12.48
Response: 10652
Amount: 0.241244



Reviewer: lyonsb, 21-Jan-2014 12:15:20
Audit Action: Split an Integrated Peak
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma005.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 03-Jan-2014 11:28:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-005
Misc. Info.: ic
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:19:34 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: desjardinsb Date: 15-Jan-2014 11:43:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.181	3.181	0.0	93	5571	0.6988	
2 Dichlorodifluoromethane	85	3.256	3.256	0.0	97	45377	0.5626	
6 Chlorodifluoromethane	51	3.315	3.320	-0.006	75	14821	0.5974	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.549	3.549	0.0	86	48257	0.5696	
8 Chloromethane	50	3.704	3.704	0.0	76	8190	0.6414	
9 Butane	43	3.918	3.918	0.0	88	12186	0.6679	
10 Vinyl chloride	62	3.976	3.971	0.005	53	11803	0.5829	
11 Butadiene	54	4.056	4.056	0.0	78	7147	0.5539	
12 Bromomethane	94	4.798	4.798	0.0	94	17513	0.5543	
13 Chloroethane	64	5.060	5.060	0.0	62	5829	0.5866	
14 2-Methylbutane	43	5.134	5.134	0.0	79	7633	0.6063	
15 Vinyl bromide	106	5.476	5.476	0.0	96	21104	0.5404	
16 Trichlorofluoromethane	101	5.583	5.583	0.0	88	51644	0.5428	
17 Pentane	43	5.727	5.732	-0.005	89	13327	0.6253	
19 Ethanol	45	6.244	6.239	0.005	97	24739	5.70	
21 Ethyl ether	59	6.309	6.303	0.006	67	8149	0.5596	
22 Acrolein	56	6.725	6.719	0.006	1	4485	0.7093	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.725	6.725	0.0	86	38486	0.5501	
24 1,1-Dichloroethene	96	6.767	6.773	-0.006	65	18135	0.5457	
25 Acetone	43	7.061	7.056	0.005	92	70672	3.77	
26 Carbon disulfide	76	7.157	7.157	0.0	85	49498	0.5918	
27 Isopropyl alcohol	45	7.392	7.371	0.021	82	7940	0.5753	M
29 3-Chloro-1-propene	41	7.605	7.605	0.0	61	7954	0.5847	
30 Acetonitrile	41	7.776	7.776	0.0	94	4408	0.4195	
31 Methylene Chloride	49	7.915	7.915	0.0	57	11288	0.7000	
32 2-Methyl-2-propanol	59	8.198	8.176	0.022	86	18102	0.5237	M
33 Methyl tert-butyl ether	73	8.342	8.331	0.011	89	43452	0.5492	
34 trans-1,2-Dichloroethene	61	8.358	8.358	0.0	58	17829	0.5718	
35 Acrylonitrile	53	8.555	8.555	0.0	79	6503	0.5466	
36 Hexane	57	8.758	8.758	0.0	75	18551	0.5964	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	9.276	9.281	-0.005	78	24506	0.5558
	38 Vinyl acetate	43	9.383	9.377	0.006	96	18735	0.5585
S	41 1,2-Dichloroethene, Total	61				0		1.11
	39 cis-1,2-Dichloroethene	96	10.445	10.445	0.0	72	24378	0.5361
	40 2-Butanone (MEK)	72	10.535	10.530	0.005	96	11432	0.6466
	42 Ethyl acetate	88	10.567	10.562	0.005	94	1652	0.4416
*	43 Chlorobromomethane	128	10.930	10.936	-0.006	66	479327	10.0
	44 Tetrahydrofuran	42	10.978	10.952	0.026	68	10820	0.6346
	45 Chloroform	83	11.080	11.080	0.0	60	45374	0.5371
	46 Cyclohexane	84	11.304	11.304	0.0	71	32227	0.5394
	47 1,1,1-Trichloroethane	97	11.352	11.352	0.0	84	50442	0.5353
	48 Carbon tetrachloride	117	11.603	11.608	-0.005	95	54412	0.5247
	51 Isooctane	57	12.062	12.067	-0.005	97	91084	0.5822
	50 Benzene	78	12.110	12.110	0.0	90	75512	0.5494
	52 1,2-Dichloroethane	62	12.318	12.318	0.0	79	27010	0.5576
	53 n-Heptane	43	12.473	12.478	-0.005	74	27101	0.6066
*	54 1,4-Difluorobenzene	114	13.006	13.006	0.0	92	2646229	10.0
	55 n-Butanol	56	13.460	13.449	0.011	70	12821	0.6690
	56 Trichloroethene	95	13.487	13.487	0.0	94	37062	0.5228
A	57 GRO	1	13.505	5.124 - 21.886		0	8645115	0
	58 1,2-Dichloropropane	63	14.084	14.090	-0.006	88	28037	0.5509
	59 Methyl methacrylate	69	14.271	14.271	0.0	72	26422	0.4939
	60 1,4-Dioxane	88	14.357	14.335	0.022	35	11877	0.5023
	61 Dibromomethane	174	14.351	14.351	0.0	94	32333	0.4597
	62 Dichlorobromomethane	83	14.655	14.655	0.0	95	54274	0.5071
A	63 TVOC as Toluene	1	15.282	3.171 - 27.394		0	14901923	114.3
	64 cis-1,3-Dichloropropene	75	15.616	15.616	0.0	84	44401	0.5131
	65 4-Methyl-2-pentanone (MIBK)	43	15.931	15.926	0.005	83	38613	0.5748
A	67 Toluene Range	1	16.214	16.174 - 16.254		0	474910	NC
	66 Toluene	92	16.208	16.214	-0.006	91	62424	0.5135
A	69 C8 Range	1	16.251	16.201 - 16.301		0	474910	NC
	68 n-Octane	43	16.251	16.251	0.0	80	47800	0.6273
	70 trans-1,3-Dichloropropene	75	16.828	16.828	0.0	89	46779	0.5105
	71 1,1,2-Trichloroethane	83	17.201	17.212	-0.011	94	29041	0.5251
	72 Tetrachloroethene	166	17.292	17.297	-0.005	95	50675	0.4773
	73 2-Hexanone	43	17.676	17.671	0.005	86	37430	0.5861
	74 Chlorodibromomethane	129	17.975	17.975	0.0	94	53484	0.4547
	75 Ethylene Dibromide	107	18.253	18.252	0.0	97	51874	0.4815
*	76 Chlorobenzene-d5	117	19.144	19.149	-0.005	82	2467731	10.0
	77 Chlorobenzene	112	19.202	19.208	-0.006	85	84317	0.4907
	78 Ethylbenzene	91	19.352	19.357	-0.005	96	134729	0.5166
	79 n-Nonane	57	19.459	19.459	0.0	82	59655	0.5978
	81 m-Xylene & p-Xylene	106	19.608	19.608	0.0	100	109426	1.01
S	82 Xylenes, Total	106				0		1.50
	83 o-Xylene	106	20.414	20.414	0.0	78	52875	0.4975
	84 Styrene	104	20.462	20.467	-0.005	96	74216	0.4535
	85 Bromoform	173	20.862	20.862	0.0	97	51533	0.4159
	86 Isopropylbenzene	105	21.049	21.049	0.0	93	148819	0.4941
$	87 4-Bromofluorobenzene	95	21.396	21.401	-0.005	94	1775481	NC
	88 1,1,2,2-Tetrachloroethane	83	21.668	21.668	0.0	95	76052	0.5283
	90 N-Propylbenzene	91	21.727	21.727	0.0	98	182650	0.5180
	89 1,2,3-Trichloropropane	75	21.764	21.764	0.0	88	60287	0.5606

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
93 n-Decane	57	21.876	21.876	0.0	80	76865	0.6529	
91 4-Ethyltoluene	105	21.908	21.908	0.0	93	155619	0.5079	
92 2-Chlorotoluene	91	21.919	21.924	-0.005	89	125060	0.5284	
94 1,3,5-Trimethylbenzene	105	22.004	22.010	-0.006	92	126376	0.4952	
95 Alpha Methyl Styrene	118	22.362	22.362	0.0	89	57416	0.4273	
96 tert-Butylbenzene	119	22.479	22.479	0.0	91	123503	0.4909	
97 1,2,4-Trimethylbenzene	105	22.570	22.570	0.0	96	123258	0.4850	
98 sec-Butylbenzene	105	22.794	22.794	0.0	98	183683	0.4977	
99 4-Isopropyltoluene	119	22.986	22.992	-0.006	88	153445	0.4741	
100 1,3-Dichlorobenzene	146	23.024	23.029	-0.005	95	82226	0.4359	
101 1,4-Dichlorobenzene	146	23.162	23.168	-0.006	95	82626	0.4379	
102 Benzyl chloride	91	23.371	23.376	-0.005	99	104986	0.4700	
103 n-Butylbenzene	91	23.579	23.579	0.0	96	137191	0.5232	
104 Undecane	57	23.584	23.584	0.0	91	79422	0.7220	
105 1,2-Dichlorobenzene	146	23.717	23.723	-0.006	97	79120	0.4447	
106 Dodecane	57	25.244	25.244	0.0	92	45784	0.4419	
107 1,2,4-Trichlorobenzene	180	26.354	26.354	0.0	84	33442	0.2664	
108 Hexachlorobutadiene	225	26.541	26.541	0.0	92	53181	0.4459	
109 Naphthalene	128	26.882	26.882	0.0	95	40941	0.1880	
110 1,2,3-Trichlorobenzene	180	27.384	27.384	0.0	86	27258	0.2617	

QC Flag Legend

Review Flags
M - Manually Integrated

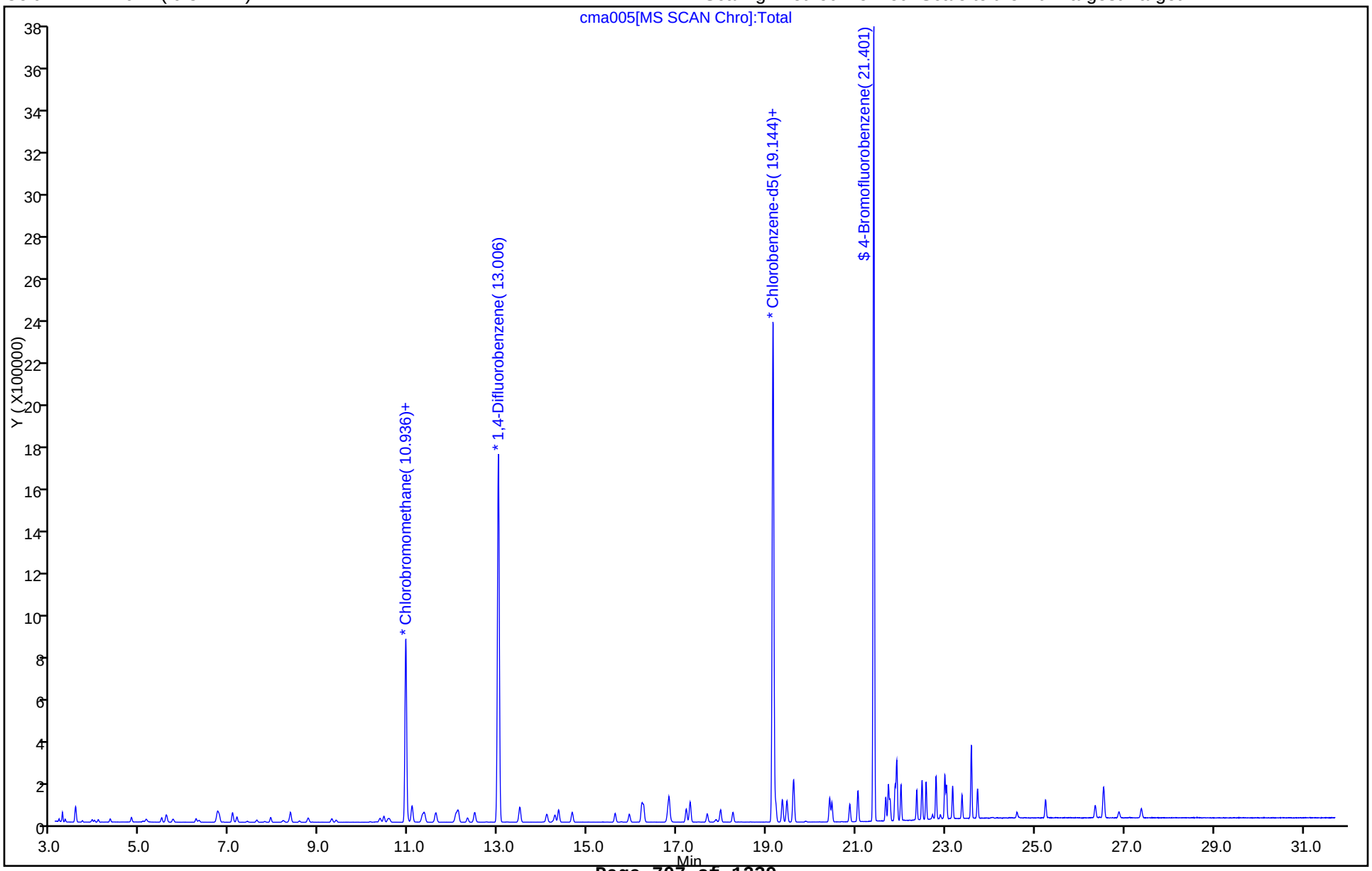
Report Date: 21-Jan-2014 12:19:35 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma005.D

Injection Date:	03-Jan-2014 11:28:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma005.D				
Injection Date:	03-Jan-2014 11:28:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

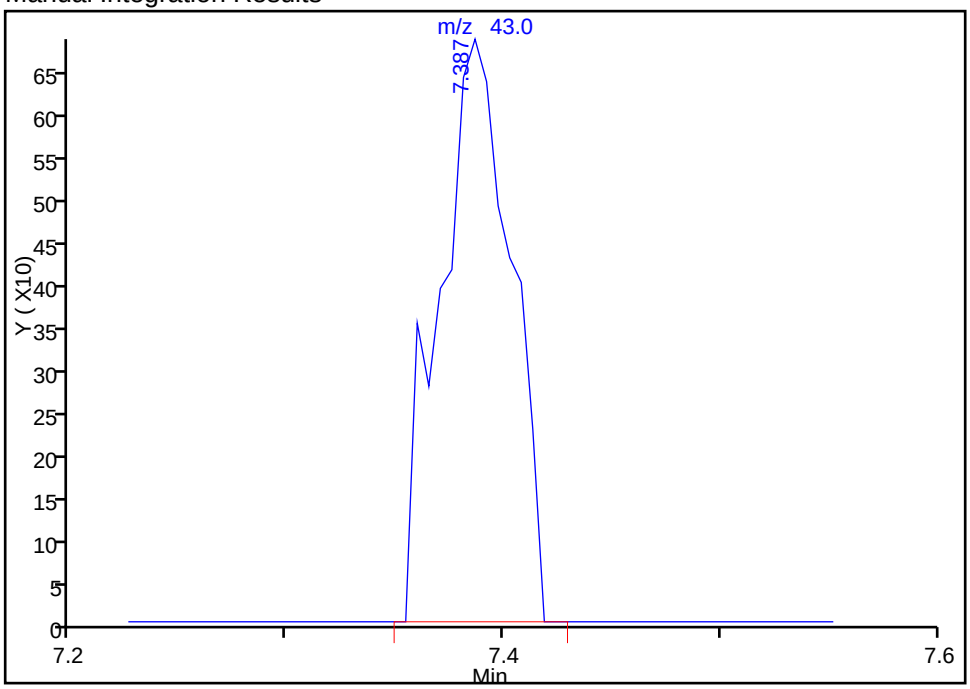
27 Isopropyl alcohol, CAS: 67-63-0

Processing Integration Results

RT: 7.37
Response: 0
Amount: 0.575288

Manual Integration Results

RT: 7.39
Response: 1581
Amount: 0.575288



Reviewer: lyonsb, 21-Jan-2014 12:16:19
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

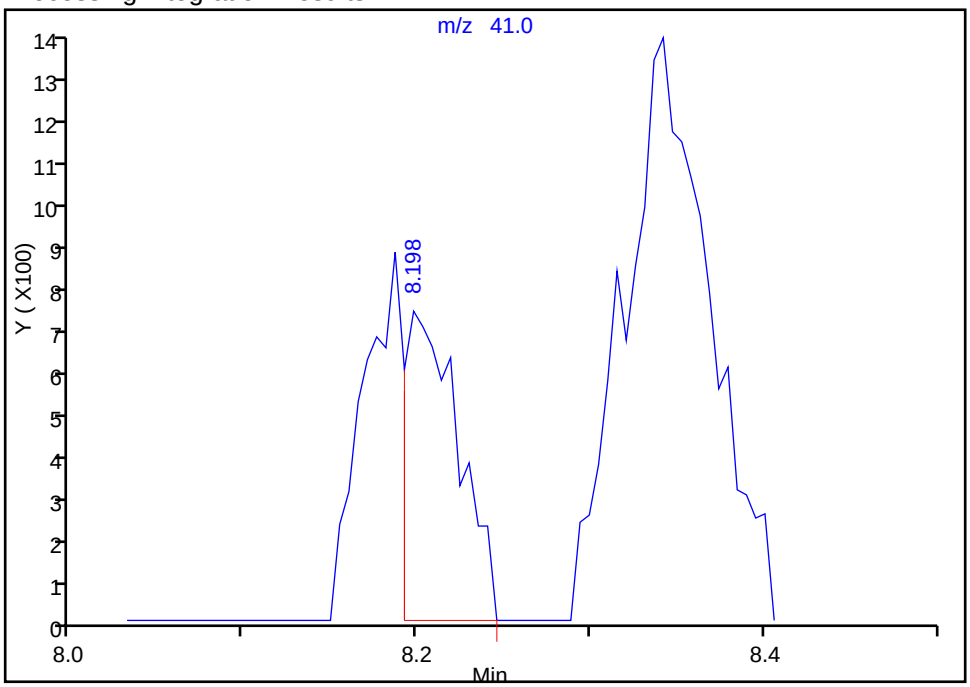
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma005.D				
Injection Date:	03-Jan-2014 11:28:30	Instrument ID:	CHC.i		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

32 2-Methyl-2-propanol, CAS: 75-65-0

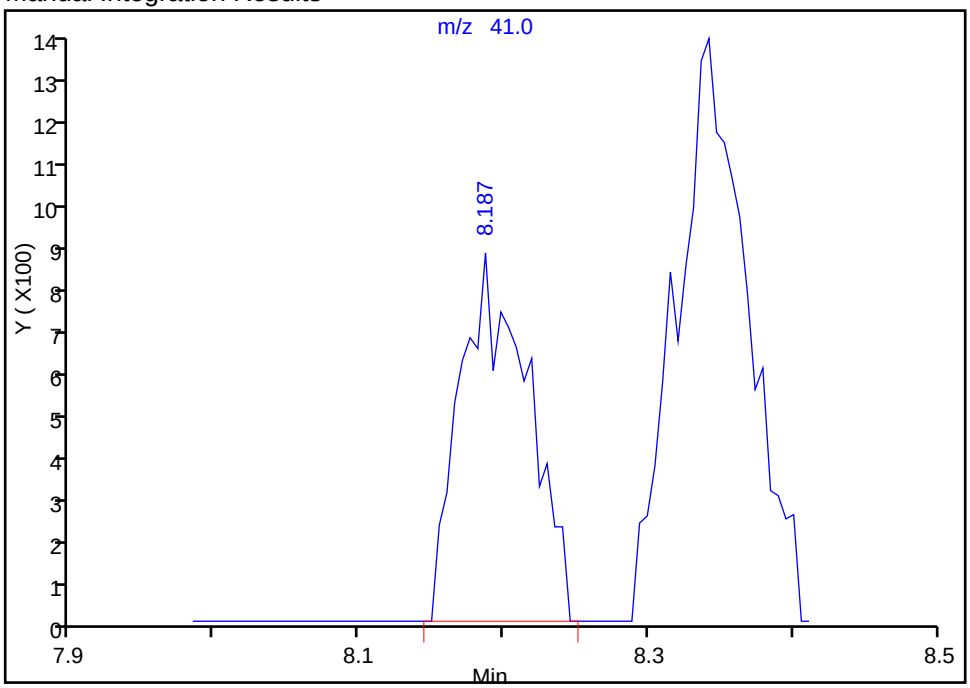
Processing Integration Results

RT: 8.20
Response: 1605
Amount: 0.523745



Manual Integration Results

RT: 8.19
Response: 2843
Amount: 0.523745



Reviewer: lyonsb, 21-Jan-2014 12:16:19
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Report Date: 21-Jan-2014 12:19:36 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma006.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 03-Jan-2014 12:20:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-006
Misc. Info.: ic
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:19:35 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: desjardinsb Date: 15-Jan-2014 11:40:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.186	3.181	0.005	97	42935	5.28	
2 Dichlorodifluoromethane	85	3.266	3.256	0.010	98	440533	5.35	
6 Chlorodifluoromethane	51	3.325	3.320	0.005	95	139066	5.49	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.555	3.549	0.006	89	464216	5.37	
8 Chloromethane	50	3.709	3.704	0.005	98	70501	5.41	
9 Butane	43	3.928	3.918	0.010	96	98918	5.31	
10 Vinyl chloride	62	3.982	3.971	0.011	97	114705	5.55	
11 Butadiene	54	4.062	4.056	0.006	86	71198	5.41	
12 Bromomethane	94	4.809	4.798	0.011	96	167437	5.19	
13 Chloroethane	64	5.065	5.060	0.005	96	54348	5.36	
14 2-Methylbutane	43	5.140	5.134	0.006	83	65852	5.13	
15 Vinyl bromide	106	5.481	5.476	0.005	98	206549	5.18	
16 Trichlorofluoromethane	101	5.588	5.583	0.005	96	505743	5.21	
17 Pentane	43	5.737	5.732	0.005	93	119316	5.49	
19 Ethanol	45	6.250	6.239	0.011	98	45774	10.3	
21 Ethyl ether	59	6.308	6.303	0.005	78	81581	5.49	
22 Acrolein	56	6.725	6.719	0.006	36	37975	5.89	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.730	6.725	0.005	91	378769	5.31	
24 1,1-Dichloroethene	96	6.773	6.773	0.0	83	180155	5.31	
25 Acetone	43	7.066	7.056	0.010	93	111024	5.81	
26 Carbon disulfide	76	7.162	7.157	0.005	97	455113	5.33	
27 Isopropyl alcohol	45	7.381	7.371	0.010	98	83134	5.90	
29 3-Chloro-1-propene	41	7.611	7.605	0.006	75	76006	5.48	
30 Acetonitrile	41	7.781	7.776	0.005	98	43003	4.01	
31 Methylene Chloride	49	7.920	7.915	0.005	68	89173	5.42	
32 2-Methyl-2-propanol	59	8.182	8.176	0.006	97	200334	5.68	
33 Methyl tert-butyl ether	73	8.342	8.331	0.011	93	433281	5.37	
34 trans-1,2-Dichloroethene	61	8.363	8.358	0.005	78	173528	5.45	
35 Acrylonitrile	53	8.561	8.555	0.006	95	67000	5.52	
36 Hexane	57	8.758	8.758	0.0	80	169121	5.33	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	9.286	9.281	0.005	98	244466	5.43
	38 Vinyl acetate	43	9.383	9.377	0.006	97	195275	5.70
S	41 1,2-Dichloroethene, Total	61				0		10.6
	39 cis-1,2-Dichloroethene	96	10.450	10.445	0.005	82	237194	5.11
	40 2-Butanone (MEK)	72	10.530	10.530	0.0	95	92669	5.14
	42 Ethyl acetate	88	10.573	10.562	0.011	98	19335	5.07
*	43 Chlorobromomethane	128	10.941	10.936	0.005	64	489090	10.0
	44 Tetrahydrofuran	42	10.962	10.952	0.010	71	105798	6.10
	45 Chloroform	83	11.080	11.080	0.0	98	448827	5.21
	46 Cyclohexane	84	11.314	11.304	0.010	74	320896	5.28
	47 1,1,1-Trichloroethane	97	11.357	11.352	0.005	92	503779	5.25
	48 Carbon tetrachloride	117	11.608	11.608	0.0	96	551593	5.23
	51 Isooctane	57	12.067	12.067	0.0	98	889099	5.58
	50 Benzene	78	12.115	12.110	0.005	92	733560	5.24
	52 1,2-Dichloroethane	62	12.323	12.318	0.005	92	266586	5.41
	53 n-Heptane	43	12.478	12.478	0.0	76	256172	5.63
*	54 1,4-Difluorobenzene	114	13.012	13.006	0.006	92	2693608	10.0
	55 n-Butanol	56	13.460	13.449	0.011	78	114306	5.86
	56 Trichloroethene	95	13.487	13.487	0.0	97	358675	4.97
A	57 GRO	1	13.505	5.124 - 21.886		0	82349911	0
	58 1,2-Dichloropropane	63	14.090	14.090	0.0	94	275105	5.31
	59 Methyl methacrylate	69	14.271	14.271	0.0	78	283187	5.20
	60 1,4-Dioxane	88	14.341	14.335	0.006	73	131628	5.47
	61 Dibromomethane	174	14.357	14.351	0.006	95	334700	4.68
	62 Dichlorobromomethane	83	14.661	14.655	0.006	98	565458	5.19
A	63 TVOC as Toluene	1	15.282	3.171 - 27.394		0	153395457	1156.1
	64 cis-1,3-Dichloropropene	75	15.621	15.616	0.005	81	455388	5.17
	65 4-Methyl-2-pentanone (MIBK)	43	15.931	15.926	0.005	89	394075	5.76
A	67 Toluene Range	1	16.214	16.174 - 16.254		0	4366041	NC
	66 Toluene	92	16.214	16.214	0.0	93	628054	4.98
A	69 C8 Range	1	16.251	16.201 - 16.301		0	4366041	NC
	68 n-Octane	43	16.251	16.251	0.0	80	449048	5.79
	70 trans-1,3-Dichloropropene	75	16.828	16.828	0.0	91	477111	5.12
	71 1,1,2-Trichloroethane	83	17.206	17.212	-0.006	94	295352	5.15
	72 Tetrachloroethene	166	17.297	17.297	0.0	96	527159	4.79
	73 2-Hexanone	43	17.676	17.671	0.005	87	385316	5.82
	74 Chlorodibromomethane	129	17.975	17.975	0.0	95	606906	4.97
	75 Ethylene Dibromide	107	18.252	18.252	0.0	98	559382	5.00
*	76 Chlorobenzene-d5	117	19.149	19.149	0.0	82	2560261	10.0
	77 Chlorobenzene	112	19.208	19.208	0.0	95	872800	4.90
	78 Ethylbenzene	91	19.357	19.357	0.0	97	1371777	5.07
	79 n-Nonane	57	19.459	19.459	0.0	82	572999	5.53
	81 m-Xylene & p-Xylene	106	19.608	19.608	0.0	100	1138257	10.1
S	82 Xylenes, Total	106				0		15.1
	83 o-Xylene	106	20.414	20.414	0.0	93	550762	4.99
	84 Styrene	104	20.467	20.467	0.0	97	863740	5.09
	85 Bromoform	173	20.862	20.862	0.0	98	637087	4.96
	86 Isopropylbenzene	105	21.049	21.049	0.0	94	1584424	5.07
$	87 4-Bromofluorobenzene	95	21.401	21.401	0.0	95	1862428	NC
	88 1,1,2,2-Tetrachloroethane	83	21.668	21.668	0.0	97	799069	5.35
	90 N-Propylbenzene	91	21.727	21.727	0.0	99	1919597	5.25
	89 1,2,3-Trichloropropane	75	21.764	21.764	0.0	91	606575	5.44

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane	57	21.876	21.876	0.0	77	740523	6.06
91 4-Ethyltoluene	105	21.908	21.908	0.0	94	1689816	5.32
92 2-Chlorotoluene	91	21.919	21.924	-0.005	95	1334057	5.43
94 1,3,5-Trimethylbenzene	105	22.010	22.010	0.0	93	1366762	5.16
95 Alpha Methyl Styrene	118	22.362	22.362	0.0	90	715477	5.13
96 tert-Butylbenzene	119	22.479	22.479	0.0	91	1327113	5.08
97 1,2,4-Trimethylbenzene	105	22.570	22.570	0.0	96	1377412	5.22
98 sec-Butylbenzene	105	22.794	22.794	0.0	99	1996965	5.22
99 4-Isopropyltoluene	119	22.992	22.992	0.0	93	1731528	5.16
100 1,3-Dichlorobenzene	146	23.029	23.029	0.0	97	996013	5.09
101 1,4-Dichlorobenzene	146	23.162	23.168	-0.006	95	978415	5.00
102 Benzyl chloride	91	23.376	23.376	0.0	99	1232207	5.32
103 n-Butylbenzene	91	23.579	23.579	0.0	98	1540692	5.66
104 Undecane	57	23.584	23.584	0.0	88	824877	7.23
105 1,2-Dichlorobenzene	146	23.723	23.723	0.0	97	925329	5.01
106 Dodecane	57	25.244	25.244	0.0	90	774295	7.20
107 1,2,4-Trichlorobenzene	180	26.354	26.354	0.0	90	666882	5.12
108 Hexachlorobutadiene	225	26.541	26.541	0.0	95	667222	5.39
109 Naphthalene	128	26.882	26.882	0.0	99	1036507	4.59
110 1,2,3-Trichlorobenzene	180	27.384	27.384	0.0	95	578055	5.35

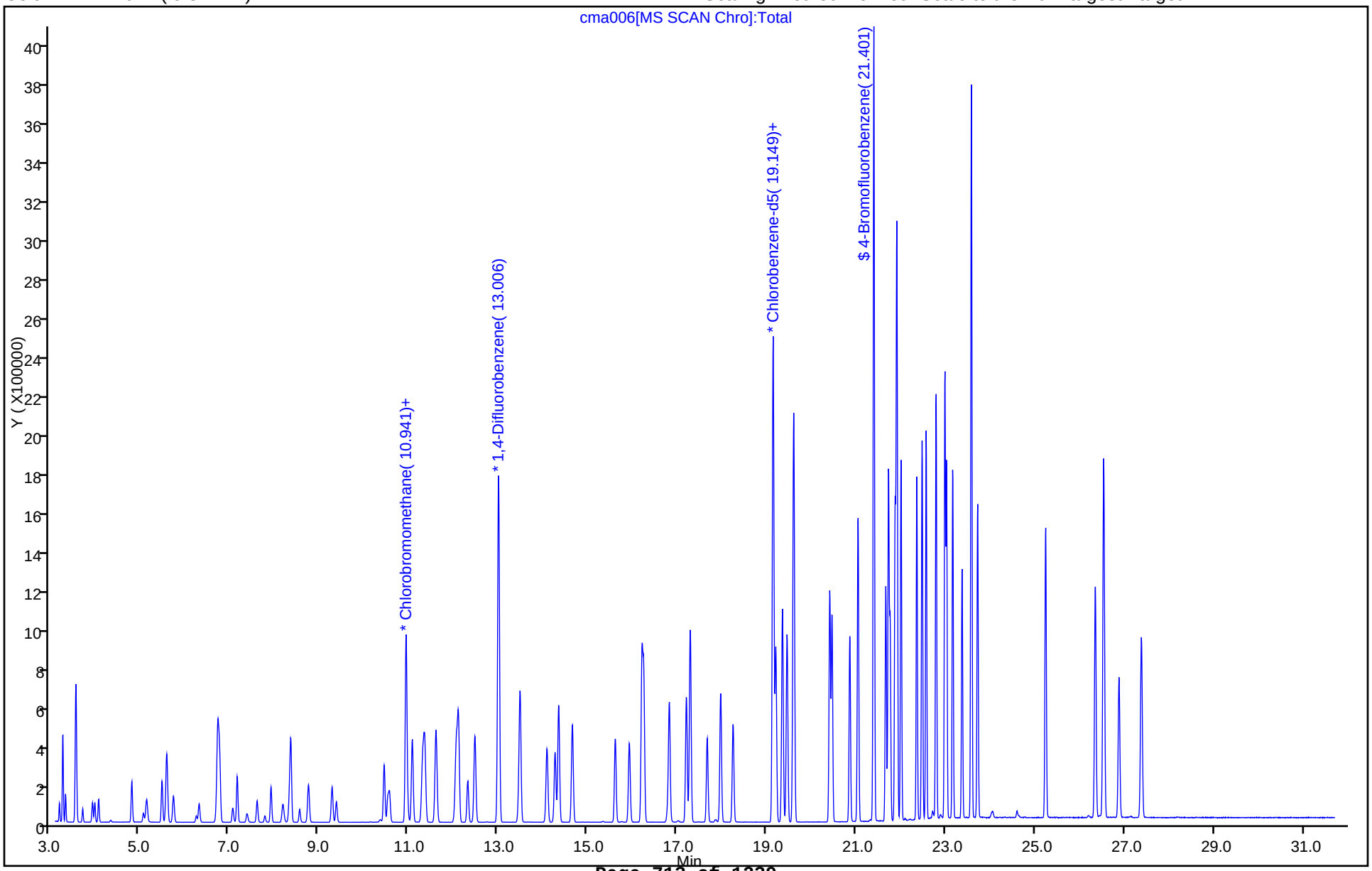
Report Date: 21-Jan-2014 12:19:36 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma006.D

Injection Date:	03-Jan-2014 12:20:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma007.D
Lims ID: icis Lab Sample ID: Client 200-66774/7-A
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 03-Jan-2014 13:12:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-007
Misc. Info.: icis
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:21:49 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.181	3.181	0.0	99	84638	9.71	
2 Dichlorodifluoromethane	85	3.256	3.256	0.0	98	898118	10.2	
6 Chlorodifluoromethane	51	3.320	3.320	0.0	74	273415	10.1	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.549	3.549	0.0	85	944889	10.2	
8 Chloromethane	50	3.704	3.704	0.0	99	139299	9.98	
9 Butane	43	3.918	3.918	0.0	96	192043	9.63	
10 Vinyl chloride	62	3.971	3.971	0.0	88	228021	10.3	
11 Butadiene	54	4.056	4.056	0.0	85	142721	10.1	
12 Bromomethane	94	4.798	4.798	0.0	99	347831	10.1	
13 Chloroethane	64	5.060	5.060	0.0	94	109569	10.1	
14 2-Methylbutane	43	5.134	5.134	0.0	82	127794	9.28	
15 Vinyl bromide	106	5.476	5.476	0.0	96	431306	10.1	
16 Trichlorofluoromethane	101	5.583	5.583	0.0	97	1048712	10.1	
17 Pentane	43	5.732	5.732	0.0	92	228804	9.82	
19 Ethanol	45	6.239	6.239	0.0	95	74658	15.7	
21 Ethyl ether	59	6.303	6.303	0.0	74	161365	10.1	
22 Acrolein	56	6.719	6.719	0.0	36	74508	10.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.725	6.725	0.0	90	777486	10.2	
24 1,1-Dichloroethene	96	6.773	6.773	0.0	72	373073	10.3	
25 Acetone	43	7.056	7.056	0.0	88	237601	11.6	
26 Carbon disulfide	76	7.157	7.157	0.0	97	912494	9.98	
27 Isopropyl alcohol	45	7.371	7.371	0.0	98	156436	10.4	
29 3-Chloro-1-propene	41	7.605	7.605	0.0	71	148213	9.96	
30 Acetonitrile	41	7.776	7.776	0.0	71	80607	7.02	M
31 Methylene Chloride	49	7.915	7.915	0.0	63	167207	9.48	
32 2-Methyl-2-propanol	59	8.176	8.176	0.0	90	390095	10.3	
33 Methyl tert-butyl ether	73	8.331	8.331	0.0	92	884266	10.2	
34 trans-1,2-Dichloroethene	61	8.358	8.358	0.0	77	346536	10.2	
35 Acrylonitrile	53	8.555	8.555	0.0	96	132521	10.2	
36 Hexane	57	8.758	8.758	0.0	79	333354	9.80	
37 1,1-Dichloroethane	63	9.281	9.281	0.0	98	490369	10.2	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	38 Vinyl acetate	43	9.377	9.377 0.0	97	361815	9.86	
S	41 1,2-Dichloroethene, Total	61			0		20.3	
	39 cis-1,2-Dichloroethene	96	10.445	10.445 0.0	85	503475	10.1	
	40 2-Butanone (MEK)	72	10.530	10.530 0.0	92	191902	9.93	
	42 Ethyl acetate	88	10.562	10.562 0.0	95	42054	10.3	
*	43 Chlorobromomethane	128	10.936	10.936 0.0	63	524149	10.0	
	44 Tetrahydrofuran	42	10.952	10.952 0.0	67	201675	10.6	
	45 Chloroform	83	11.080	11.080 0.0	98	934006	10.1	
	46 Cyclohexane	84	11.304	11.304 0.0	71	674009	10.2	
	47 1,1,1-Trichloroethane	97	11.352	11.352 0.0	93	1068292	10.2	
	48 Carbon tetrachloride	117	11.608	11.608 0.0	96	1194161	10.4	
	51 Isooctane	57	12.067	12.067 0.0	97	1772110	10.2	
	50 Benzene	78	12.110	12.110 0.0	92	1541036	10.1	
	52 1,2-Dichloroethane	62	12.318	12.318 0.0	98	549003	10.2	
	53 n-Heptane	43	12.478	12.478 0.0	73	489714	9.87	
*	54 1,4-Difluorobenzene	114	13.006	13.006 0.0	91	2939250	10.0	
	55 n-Butanol	56	13.449	13.449 0.0	76	217103	10.2	
	56 Trichloroethene	95	13.487	13.487 0.0	95	789784	10.0	
A	57 GRO	1	13.505	5.124 - 21.886	0	178254609	0	
	58 1,2-Dichloropropane	63	14.090	14.090 0.0	93	578531	10.2	
	59 Methyl methacrylate	69	14.271	14.271 0.0	74	614278	10.3	
	60 1,4-Dioxane	88	14.335	14.335 0.0	44	277018	10.5	
	61 Dibromomethane	174	14.351	14.351 0.0	94	786588	10.1	
	62 Dichlorobromomethane	83	14.655	14.655 0.0	98	1228678	10.3	
A	63 TVOC as Toluene	1	15.282	3.171 - 27.394	0	324664701	2242.4	
	64 cis-1,3-Dichloropropene	75	15.616	15.616 0.0	85	992342	10.3	
	65 4-Methyl-2-pentanone (MIBK)	43	15.926	15.926 0.0	86	781397	10.5	
	66 Toluene	92	16.214	16.214 0.0	91	1407345	10.1	
A	67 Toluene Range	1	16.214	16.174 - 16.254	0	9245211	NC	
	68 n-Octane	43	16.251	16.251 0.0	76	853405	10.1	
A	69 C8 Range	1	16.251	16.201 - 16.301	0	9245211	NC	
	70 trans-1,3-Dichloropropene	75	16.828	16.828 0.0	90	1041881	10.2	
	71 1,1,2-Trichloroethane	83	17.212	17.212 0.0	92	649014	10.3	
	72 Tetrachloroethene	166	17.297	17.297 0.0	89	1245014	10.3	
	73 2-Hexanone	43	17.671	17.671 0.0	85	763872	10.5	
	74 Chlorodibromomethane	129	17.975	17.975 0.0	95	1402463	10.4	
	75 Ethylene Dibromide	107	18.252	18.252 0.0	98	1271910	10.3	
*	76 Chlorobenzene-d5	117	19.149	19.149 0.0	81	2821366	10.0	
	77 Chlorobenzene	112	19.208	19.208 0.0	95	1999703	10.2	
	78 Ethylbenzene	91	19.357	19.357 0.0	94	3048982	10.2	
	79 n-Nonane	57	19.459	19.459 0.0	78	1158583	10.2	
	81 m-Xylene & p-Xylene	106	19.608	19.608 0.0	99	2590473	20.9	
S	82 Xylenes, Total	106			0		31.1	
	83 o-Xylene	106	20.414	20.414 0.0	94	1249103	10.3	
	84 Styrene	104	20.467	20.467 0.0	98	1989385	10.6	
	85 Bromoform	173	20.862	20.862 0.0	98	1504831	10.6	
	86 Isopropylbenzene	105	21.049	21.049 0.0	94	3567777	10.4	
$	87 4-Bromofluorobenzene	95	21.401	21.401 0.0	97	1964548	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.668	21.668 0.0	93	1725251	10.5	
	90 N-Propylbenzene	91	21.727	21.727 0.0	99	4187105	10.4	
	89 1,2,3-Trichloropropane	75	21.764	21.764 0.0	84	1283930	10.4	
	93 n-Decane	57	21.876	21.876 0.0	75	1405567	10.4	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.908	21.908	0.0	94	3738585	10.7
92 2-Chlorotoluene	91	21.924	21.924	0.0	95	2877864	10.6
94 1,3,5-Trimethylbenzene	105	22.010	22.010	0.0	93	3019837	10.4
95 Alpha Methyl Styrene	118	22.362	22.362	0.0	90	1608683	10.5
96 tert-Butylbenzene	119	22.479	22.479	0.0	91	2967315	10.3
97 1,2,4-Trimethylbenzene	105	22.570	22.570	0.0	95	3013132	10.4
98 sec-Butylbenzene	105	22.794	22.794	0.0	99	4367727	10.4
99 4-Isopropyltoluene	119	22.992	22.992	0.0	93	3840403	10.4
100 1,3-Dichlorobenzene	146	23.029	23.029	0.0	98	2244736	10.4
101 1,4-Dichlorobenzene	146	23.168	23.168	0.0	96	2241230	10.4
102 Benzyl chloride	91	23.376	23.376	0.0	99	2713993	10.6
103 n-Butylbenzene	91	23.579	23.579	0.0	96	3208309	10.7
104 Undecane	57	23.584	23.584	0.0	62	1343489	10.7
105 1,2-Dichlorobenzene	146	23.723	23.723	0.0	98	2084160	10.2
106 Dodecane	57	25.244	25.244	0.0	89	863185	7.29
107 1,2,4-Trichlorobenzene	180	26.354	26.354	0.0	93	1455384	10.1
108 Hexachlorobutadiene	225	26.541	26.541	0.0	95	1432742	10.5
109 Naphthalene	128	26.882	26.882	0.0	99	2335893	9.38
110 1,2,3-Trichlorobenzene	180	27.384	27.384	0.0	95	1167583	9.80

QC Flag Legend

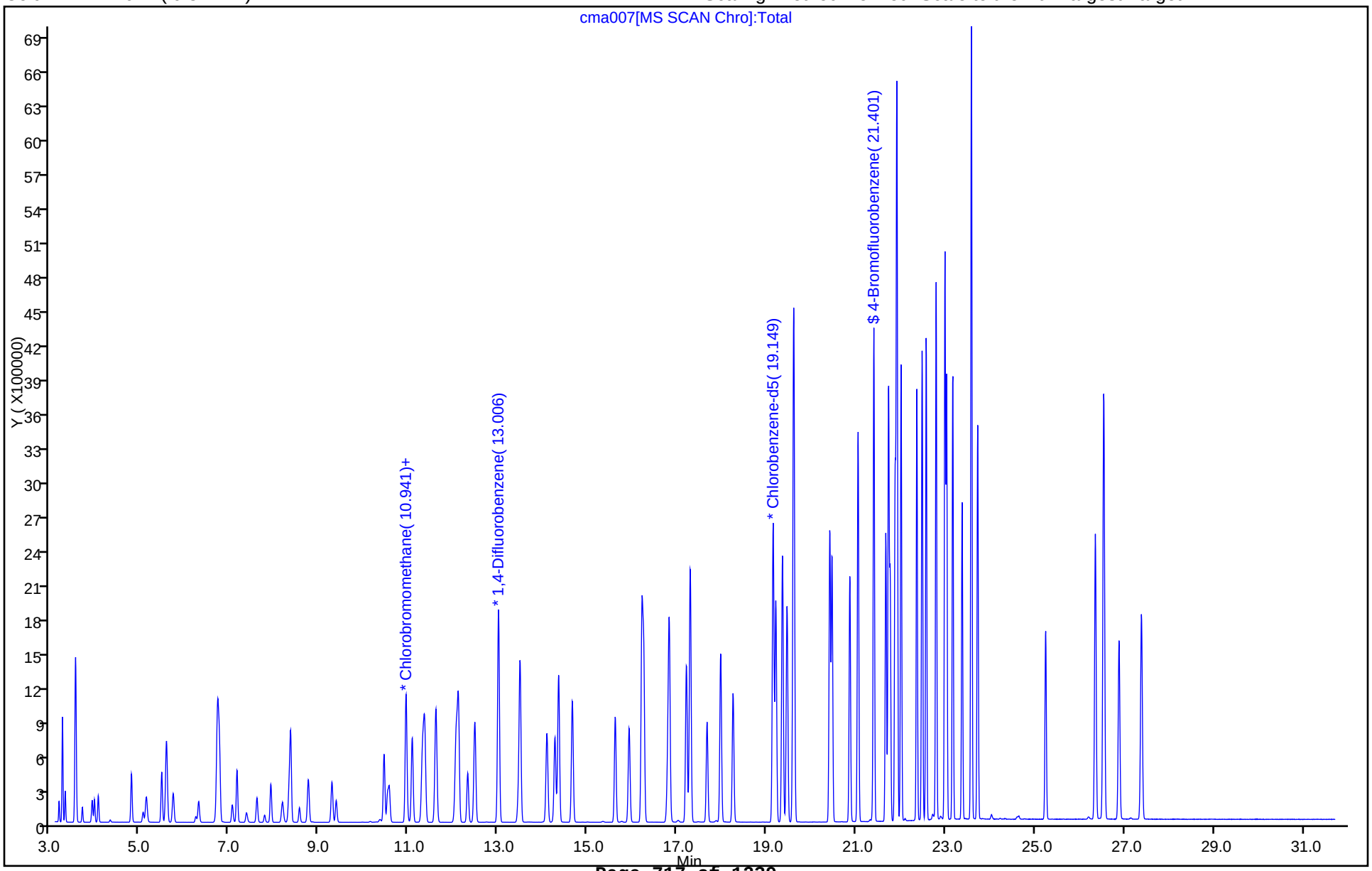
Review Flags
M - Manually Integrated

Report Date: 21-Jan-2014 12:21:49 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma007.D				
Injection Date:	03-Jan-2014 13:12:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	icis	Lab Sample ID:	Client 200-66774/7-A	Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

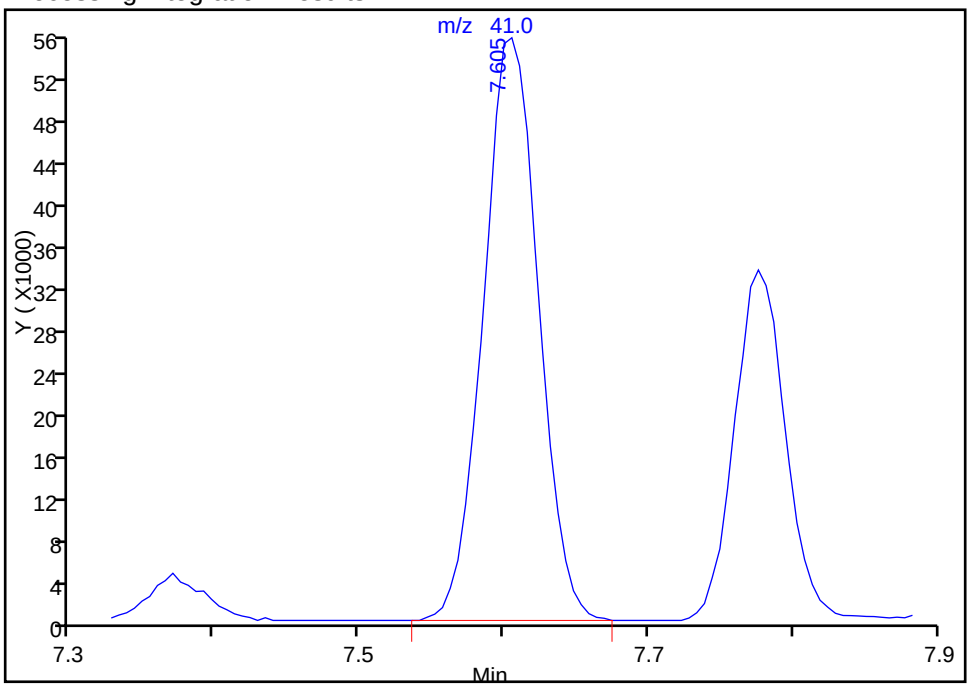
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma007.D				
Injection Date:	03-Jan-2014 13:12:30	Instrument ID:	CHC.i		
Lims ID:	icis	Lab Sample ID:	Client 200-66774/7-A		
Client ID:					
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

30 Acetonitrile, CAS: 75-05-8

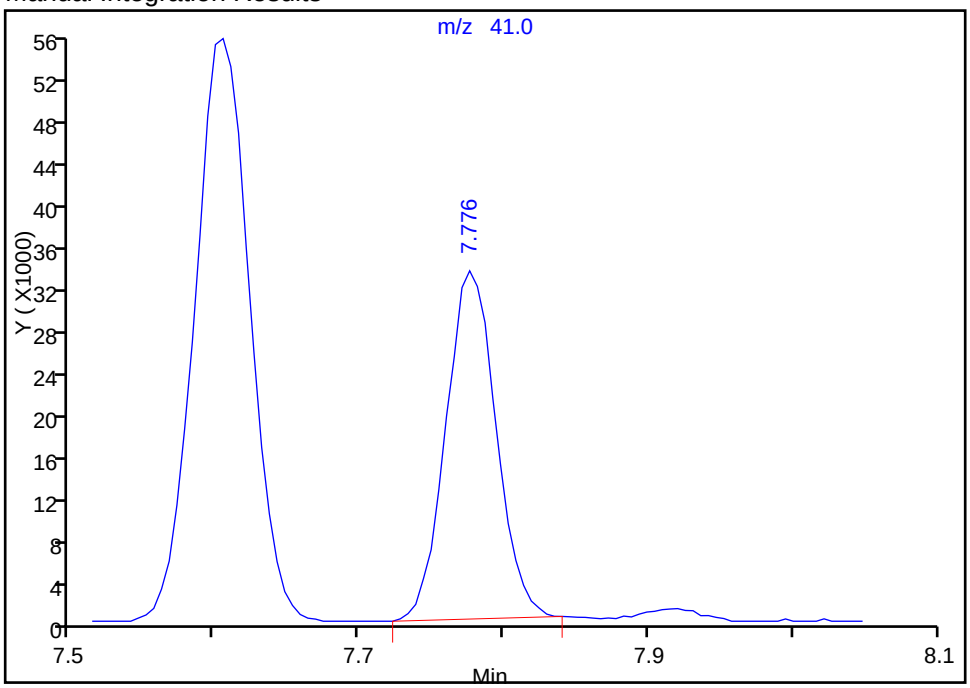
Processing Integration Results

RT: 7.61
Response: 148227
Amount: 9.963320



Manual Integration Results

RT: 7.78
Response: 80607
Amount: 7.015973



Reviewer: lyonsb, 14-Jan-2014 12:49:34
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma008.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 03-Jan-2014 14:04:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-008
Misc. Info.: ic
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:19:39 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.181	3.181	0.0	98	124122	13.8	
2 Dichlorodifluoromethane	85	3.256	3.256	0.0	99	1316189	14.5	
6 Chlorodifluoromethane	51	3.314	3.320	-0.006	81	392514	14.1	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.549	3.549	0.0	86	1368796	14.4	
8 Chloromethane	50	3.699	3.704	-0.005	88	197446	13.7	
9 Butane	43	3.918	3.918	0.0	96	294776	14.4	
10 Vinyl chloride	62	3.971	3.971	0.0	96	332260	14.6	
11 Butadiene	54	4.056	4.056	0.0	85	204506	14.1	
12 Bromomethane	94	4.798	4.798	0.0	99	507195	14.3	
13 Chloroethane	64	5.060	5.060	0.0	97	158262	14.2	
14 2-Methylbutane	43	5.129	5.134	-0.005	82	187359	13.2	
15 Vinyl bromide	106	5.476	5.476	0.0	98	645267	14.7	
16 Trichlorofluoromethane	101	5.583	5.583	0.0	96	1556335	14.5	
17 Pentane	43	5.732	5.732	0.0	93	346175	14.4	
19 Ethanol	45	6.234	6.239	-0.005	95	97367	20.0	
21 Ethyl ether	59	6.298	6.303	-0.005	79	234347	14.3	
22 Acrolein	56	6.719	6.719	0.0	95	106342	15.0	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.730	6.725	0.005	90	1153017	14.7	
24 1,1-Dichloroethene	96	6.767	6.773	-0.006	80	549125	14.7	
25 Acetone	43	7.050	7.056	-0.006	93	295444	14.0	
26 Carbon disulfide	76	7.157	7.157	0.0	97	1341038	14.3	
27 Isopropyl alcohol	45	7.376	7.371	0.005	98	237522	15.3	
29 3-Chloro-1-propene	41	7.605	7.605	0.0	71	213885	14.0	
30 Acetonitrile	41	7.605	7.776	-0.171	71	213885	18.1	
31 Methylene Chloride	49	7.915	7.915	0.0	67	242935	13.4	
32 2-Methyl-2-propanol	59	8.176	8.176	0.0	97	592633	15.2	
33 Methyl tert-butyl ether	73	8.331	8.331	0.0	92	1303626	14.6	
34 trans-1,2-Dichloroethene	61	8.363	8.358	0.005	75	501227	14.3	
35 Acrylonitrile	53	8.555	8.555	0.0	96	193356	14.4	
36 Hexane	57	8.753	8.758	-0.005	79	499690	14.3	
37 1,1-Dichloroethane	63	9.281	9.281	0.0	93	715112	14.4	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	38 Vinyl acetate	43	9.377	9.377 0.0	97	561708	14.9	
S	41 1,2-Dichloroethene, Total	61			0		29.1	
	39 cis-1,2-Dichloroethene	96	10.450	10.445 0.005	84	757771	14.8	
	40 2-Butanone (MEK)	72	10.530	10.530 0.0	98	276633	13.9	
	42 Ethyl acetate	88	10.562	10.562 0.0	96	64014	15.2	
*	43 Chlorobromomethane	128	10.936	10.936 0.0	63	539213	10.0	
	44 Tetrahydrofuran	42	10.946	10.952 -0.006	71	289349	14.6	
	45 Chloroform	83	11.080	11.080 0.0	98	1396759	14.7	
	46 Cyclohexane	84	11.309	11.304 0.005	70	1020592	14.7	
	47 1,1,1-Trichloroethane	97	11.352	11.352 0.0	92	1615260	14.7	
	48 Carbon tetrachloride	117	11.608	11.608 0.0	96	1828171	15.1	
	51 Isooctane	57	12.067	12.067 0.0	97	2570029	14.1	
	50 Benzene	78	12.115	12.110 0.005	93	2311015	14.4	
	52 1,2-Dichloroethane	62	12.318	12.318 0.0	98	814888	14.4	
	53 n-Heptane	43	12.478	12.478 0.0	71	704042	13.5	
*	54 1,4-Difluorobenzene	114	13.006	13.006 0.0	91	3083840	10.0	
	55 n-Butanol	56	13.449	13.449 0.0	75	349357	15.6	
	56 Trichloroethene	95	13.487	13.487 0.0	94	1233269	14.9	
A	57 GRO	1	13.505	5.124 - 21.886	0	254561458	0	
	58 1,2-Dichloropropane	63	14.090	14.090 0.0	93	864837	14.6	
	59 Methyl methacrylate	69	14.271	14.271 0.0	72	942825	15.1	
	60 1,4-Dioxane	88	14.330	14.335 -0.005	70	431565	15.7	
	61 Dibromomethane	174	14.357	14.351 0.006	91	1291367	15.8	
	62 Dichlorobromomethane	83	14.661	14.655 0.006	97	1896111	15.2	
A	63 TVOC as Toluene	1	15.282	3.171 - 27.394	0	505335030	3326.6	
	64 cis-1,3-Dichloropropene	75	15.621	15.616 0.005	84	1531995	15.2	
	65 4-Methyl-2-pentanone (MIBK)	43	15.926	15.926 0.0	85	1120828	14.3	
A	67 Toluene Range	1	16.214	16.174 -16.254	0	13972161	NC	
	66 Toluene	92	16.214	16.214 0.0	91	2196929	15.0	
A	69 C8 Range	1	16.251	16.201 -16.301	0	13972161	NC	
	68 n-Octane	43	16.251	16.251 0.0	73	1196735	13.5	
	70 trans-1,3-Dichloropropene	75	16.828	16.828 0.0	89	1573168	14.7	
	71 1,1,2-Trichloroethane	83	17.212	17.212 0.0	93	1001770	15.0	
	72 Tetrachloroethene	166	17.297	17.297 0.0	94	2031274	15.9	
	73 2-Hexanone	43	17.671	17.671 0.0	83	1100791	14.3	
	74 Chlorodibromomethane	129	17.975	17.975 0.0	96	2252964	15.9	
	75 Ethylene Dibromide	107	18.252	18.252 0.0	99	2013934	15.5	
*	76 Chlorobenzene-d5	117	19.149	19.149 0.0	79	2972206	10.0	
	77 Chlorobenzene	112	19.208	19.208 0.0	97	3180517	15.4	
	78 Ethylbenzene	91	19.357	19.357 0.0	96	4757073	15.1	
	79 n-Nonane	57	19.459	19.459 0.0	77	1689974	14.1	
	81 m-Xylene & p-Xylene	106	19.608	19.608 0.0	98	4062425	31.0	
S	82 Xylenes, Total	106			0		46.4	
	83 o-Xylene	106	20.419	20.414 0.005	95	1965912	15.4	
	84 Styrene	104	20.467	20.467 0.0	98	3168626	16.1	
	85 Bromoform	173	20.862	20.862 0.0	98	2455409	16.5	
	86 Isopropylbenzene	105	21.049	21.049 0.0	93	5608554	15.5	
$	87 4-Bromofluorobenzene	95	21.401	21.401 0.0	98	2030403	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.668	21.668 0.0	96	2623603	15.1	
	90 N-Propylbenzene	91	21.732	21.727 0.005	99	6477530	15.3	
	89 1,2,3-Trichloropropane	75	21.764	21.764 0.0	87	1917898	14.8	
	93 n-Decane	57	21.876	21.876 0.0	73	2025555	14.3	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
91	4-Ethyltoluene	105	21.908	21.908	0.0	95	5776169	15.7	
92	2-Chlorotoluene	91	21.924	21.924	0.0	94	4356577	15.3	
94	1,3,5-Trimethylbenzene	105	22.010	22.010	0.0	94	4774950	15.5	
95	Alpha Methyl Styrene	118	22.362	22.362	0.0	90	2659502	16.4	
96	tert-Butylbenzene	119	22.479	22.479	0.0	91	4734472	15.6	
97	1,2,4-Trimethylbenzene	105	22.570	22.570	0.0	95	4796792	15.7	
98	sec-Butylbenzene	105	22.794	22.794	0.0	98	6896883	15.5	
99	4-Isopropyltoluene	119	22.992	22.992	0.0	96	6185335	15.9	
100	1,3-Dichlorobenzene	146	23.029	23.029	0.0	99	3645061	16.0	
101	1,4-Dichlorobenzene	146	23.168	23.168	0.0	96	3650630	16.1	
102	Benzyl chloride	91	23.376	23.376	0.0	99	4209069	15.6	
103	n-Butylbenzene	91	23.579	23.579	0.0	96	4845205	15.3	
104	Undecane	57	23.584	23.584	0.0	82	2059120	15.5	
105	1,2-Dichlorobenzene	146	23.723	23.723	0.0	98	3393031	15.8	
106	Dodecane	57	25.244	25.244	0.0	86	2347257	18.8	
107	1,2,4-Trichlorobenzene	180	26.354	26.354	0.0	93	2901798	19.2	
108	Hexachlorobutadiene	225	26.541	26.541	0.0	96	2494911	17.4	
109	Naphthalene	128	26.882	26.882	0.0	99	5823598	22.2	
110	1,2,3-Trichlorobenzene	180	27.384	27.384	0.0	96	2497503	19.9	

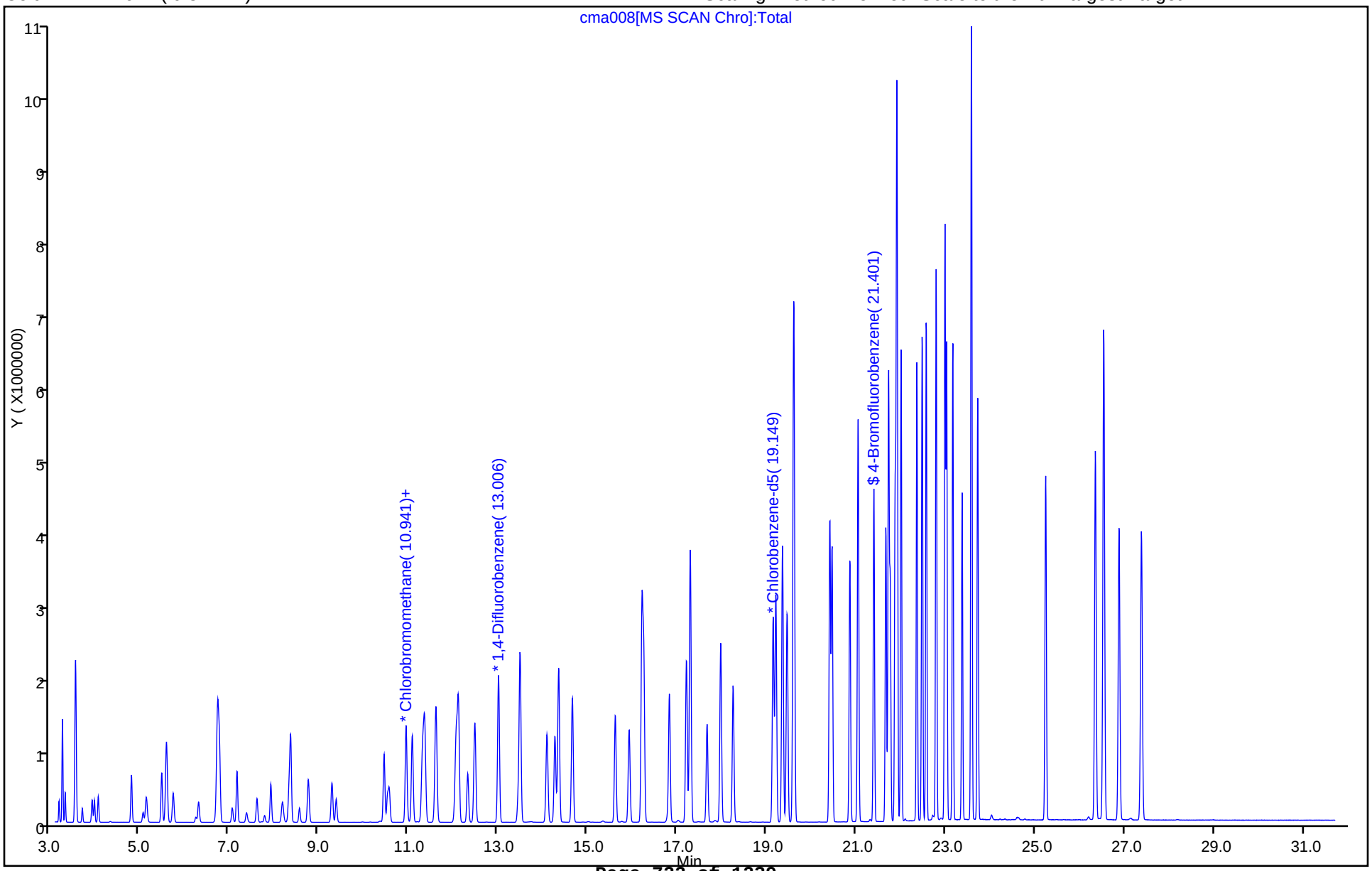
Report Date: 21-Jan-2014 12:19:40 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma008.D

Injection Date:	03-Jan-2014 14:04:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma009.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 03-Jan-2014 14:56:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-009
Misc. Info.: ic
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:19:41 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.176	3.181	-0.005	98	157143	17.1	
2 Dichlorodifluoromethane	85	3.256	3.256	0.0	98	1754058	18.9	
6 Chlorodifluoromethane	51	3.314	3.320	-0.006	95	521868	18.3	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.544	3.549	-0.005	85	1818253	18.6	
8 Chloromethane	50	3.699	3.704	-0.005	99	261114	17.7	
9 Butane	43	3.918	3.918	0.0	96	366810	17.4	
10 Vinyl chloride	62	3.971	3.971	0.0	96	445864	19.1	
11 Butadiene	54	4.056	4.056	0.0	85	273104	18.4	
12 Bromomethane	94	4.798	4.798	0.0	99	684801	18.8	
13 Chloroethane	64	5.060	5.060	0.0	95	210748	18.4	
14 2-Methylbutane	43	5.129	5.134	-0.005	82	244772	16.9	
15 Vinyl bromide	106	5.476	5.476	0.0	98	868559	19.3	
16 Trichlorofluoromethane	101	5.583	5.583	0.0	97	2102105	19.2	
17 Pentane	43	5.732	5.732	0.0	93	434342	17.7	
19 Ethanol	45	6.239	6.239	0.0	95	186347	37.3	
21 Ethyl ether	59	6.298	6.303	-0.005	77	312120	18.6	
22 Acrolein	56	6.719	6.719	0.0	95	132544	18.2	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.725	6.725	0.0	91	1548857	19.2	
24 1,1-Dichloroethene	96	6.767	6.773	-0.006	81	738974	19.3	
25 Acetone	43	7.050	7.056	-0.006	93	391172	18.1	
26 Carbon disulfide	76	7.157	7.157	0.0	97	1793102	18.6	
27 Isopropyl alcohol	45	7.376	7.371	0.005	98	286886	18.0	
29 3-Chloro-1-propene	41	7.605	7.605	0.0	72	285868	18.2	
30 Acetonitrile	41	7.605	7.776	-0.171	71	285861	23.6	
31 Methylene Chloride	49	7.915	7.915	0.0	67	320938	17.3	
32 2-Methyl-2-propanol	59	8.176	8.176	0.0	97	742921	18.7	
33 Methyl tert-butyl ether	73	8.331	8.331	0.0	92	1740821	19.1	
34 trans-1,2-Dichloroethene	61	8.363	8.358	0.005	75	666324	18.5	
35 Acrylonitrile	53	8.555	8.555	0.0	95	254226	18.5	
36 Hexane	57	8.753	8.758	-0.005	79	641670	17.9	
37 1,1-Dichloroethane	63	9.281	9.281	0.0	98	963481	19.0	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	38 Vinyl acetate	43	9.377	9.377 0.0	97	745535	19.3	
S	41 1,2-Dichloroethene, Total	61			0		38.2	
	39 cis-1,2-Dichloroethene	96	10.450	10.445 0.005	77	1028480	19.6	
	40 2-Butanone (MEK)	72	10.525	10.530 -0.005	98	370305	18.2	
	42 Ethyl acetate	88	10.567	10.562 0.005	97	86361	20.0	
*	43 Chlorobromomethane	128	10.936	10.936 0.0	62	552282	10.0	
	44 Tetrahydrofuran	42	10.946	10.952 -0.006	71	371828	18.0	
	45 Chloroform	83	11.080	11.080 0.0	98	1893294	19.5	
	46 Cyclohexane	84	11.309	11.304 0.005	69	1378482	19.1	
	47 1,1,1-Trichloroethane	97	11.352	11.352 0.0	91	2209737	19.4	
	48 Carbon tetrachloride	117	11.608	11.608 0.0	95	2532074	20.2	
	51 Isooctane	57	12.067	12.067 0.0	97	3374963	17.8	
	50 Benzene	78	12.115	12.110 0.005	91	3118954	18.8	
	52 1,2-Dichloroethane	62	12.318	12.318 0.0	98	1104020	18.8	
	53 n-Heptane	43	12.478	12.478 0.0	73	900677	16.7	
*	54 1,4-Difluorobenzene	114	13.006	13.006 0.0	91	3202110	10.0	
	55 n-Butanol	56	13.444	13.449 -0.005	75	425996	18.4	
	56 Trichloroethene	95	13.492	13.487 0.005	92	1714473	20.0	
A	57 GRO	1	13.505	5.124 - 21.886	0	355836451	0	
	58 1,2-Dichloropropane	63	14.090	14.090 0.0	93	1163175	18.9	
	59 Methyl methacrylate	69	14.266	14.271 -0.005	71	1286318	19.9	
	60 1,4-Dioxane	88	14.335	14.335 0.0	69	543037	19.0	
	61 Dibromomethane	174	14.357	14.351 0.005	89	1868268	22.0	
	62 Dichlorobromomethane	83	14.661	14.655 0.006	97	2602704	20.1	
A	63 TVOC as Toluene	1	15.282	3.171 - 27.394	0	682507550	4327.0	
	64 cis-1,3-Dichloropropene	75	15.621	15.616 0.005	82	2100471	20.1	
	65 4-Methyl-2-pentanone (MIBK)	43	15.926	15.926 0.0	83	1456998	17.9	
A	67 Toluene Range	1	16.214	16.174 - 16.254	0	18777183	NC	
	66 Toluene	92	16.214	16.214 0.0	90	3047441	20.0	
A	69 C8 Range	1	16.251	16.201 - 16.301	0	18777183	NC	
	68 n-Octane	43	16.256	16.251 0.005	70	1508661	16.4	
	70 trans-1,3-Dichloropropene	75	16.827	16.828 -0.001	88	2165511	19.5	
	71 1,1,2-Trichloroethane	83	17.212	17.212 0.0	93	1377991	19.8	
	72 Tetrachloroethene	166	17.297	17.297 0.0	94	2943208	22.1	
	73 2-Hexanone	43	17.671	17.671 0.0	82	1421043	17.7	
	74 Chlorodibromomethane	129	17.975	17.975 0.0	96	3201569	21.7	
	75 Ethylene Dibromide	107	18.252	18.252 0.0	98	2831746	20.9	
*	76 Chlorobenzene-d5	117	19.149	19.149 0.0	69	3100545	10.0	
	77 Chlorobenzene	112	19.213	19.208 0.005	97	4487860	20.8	
	78 Ethylbenzene	91	19.357	19.357 0.0	96	6600852	20.1	
	79 n-Nonane	57	19.464	19.459 0.005	76	2202089	17.6	
	81 m-Xylene & p-Xylene	106	19.608	19.608 0.0	98	5638403	41.3	
S	82 Xylenes, Total	106			0		62.0	
	83 o-Xylene	106	20.419	20.414 0.005	95	2761754	20.7	
	84 Styrene	104	20.467	20.467 0.0	98	4439325	21.6	
	85 Bromoform	173	20.862	20.862 0.0	98	3519944	22.6	
	86 Isopropylbenzene	105	21.049	21.049 0.0	93	7793634	20.6	
$	87 4-Bromofluorobenzene	95	21.401	21.401 0.0	99	2070634	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.668	21.668 0.0	95	3513658	19.4	
	90 N-Propylbenzene	91	21.732	21.727 0.005	98	8773755	19.8	
	89 1,2,3-Trichloropropane	75	21.764	21.764 0.0	84	2542638	18.8	
	93 n-Decane	57	21.876	21.876 0.0	72	2516659	17.0	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.908	21.908	0.0	95	7768139	20.2
92 2-Chlorotoluene	91	21.924	21.924	0.0	94	5760441	19.4
94 1,3,5-Trimethylbenzene	105	22.010	22.010	0.0	94	6588946	20.6
95 Alpha Methyl Styrene	118	22.362	22.362	0.0	90	3717362	22.0
96 tert-Butylbenzene	119	22.479	22.479	0.0	92	6618459	20.9
97 1,2,4-Trimethylbenzene	105	22.575	22.570	0.005	94	6583826	20.6
98 sec-Butylbenzene	105	22.794	22.794	0.0	98	9466258	20.4
99 4-Isopropyltoluene	119	22.992	22.992	0.0	94	8607057	21.2
100 1,3-Dichlorobenzene	146	23.029	23.029	0.0	98	5071291	21.4
101 1,4-Dichlorobenzene	146	23.168	23.168	0.0	96	5081191	21.4
102 Benzyl chloride	91	23.376	23.376	0.0	99	5672247	20.2
103 n-Butylbenzene	91	23.579	23.579	0.0	96	6241306	18.9
104 Undecane	57	23.589	23.584	0.005	80	2416563	17.5
105 1,2-Dichlorobenzene	146	23.723	23.723	0.0	99	4730576	21.2
106 Dodecane	57	25.244	25.244	0.0	85	2834400	21.8
107 1,2,4-Trichlorobenzene	180	26.354	26.354	0.0	92	3767518	23.9
108 Hexachlorobutadiene	225	26.541	26.541	0.0	95	3451475	23.0
109 Naphthalene	128	26.882	26.882	0.0	99	6513834	23.8
110 1,2,3-Trichlorobenzene	180	27.384	27.384	0.0	96	3180482	24.3

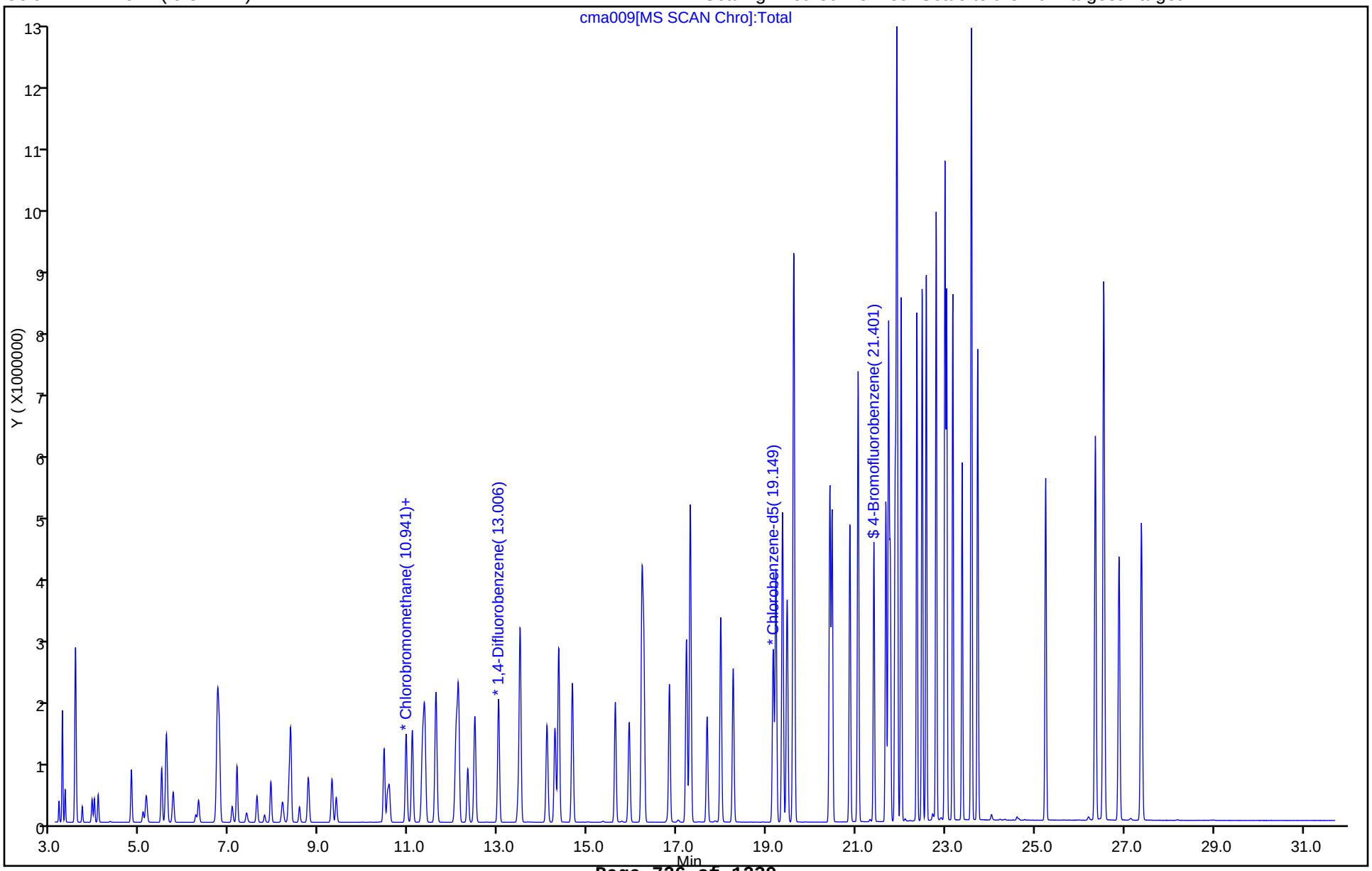
Report Date: 21-Jan-2014 12:19:42 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma009.D

Injection Date:	03-Jan-2014 14:56:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 21-Jan-2014 12:19:44 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 03-Jan-2014 15:48:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-010
Misc. Info.: ic
Operator ID: pad Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:19:43 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: lyonsb Date: 14-Jan-2014 12:52:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.176	3.181	-0.005	98	298655	31.9	
2 Dichlorodifluoromethane	85	3.250	3.256	-0.006	98	3315356	35.0	
6 Chlorodifluoromethane	51	3.314	3.320	-0.006	95	988759	33.9	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.544	3.549	-0.005	85	3393002	34.1	
8 Chloromethane	50	3.699	3.704	-0.005	98	499671	33.3	
9 Butane	43	3.918	3.918	0.0	96	693094	32.3	
10 Vinyl chloride	62	3.966	3.971	-0.005	98	846985	35.6	
11 Butadiene	54	4.056	4.056	0.0	85	523834	34.5	
12 Bromomethane	94	4.798	4.798	0.0	99	1326169	35.7	
13 Chloroethane	64	5.060	5.060	0.0	97	411528	35.2	
14 2-Methylbutane	43	5.129	5.134	-0.005	82	466708	31.5	
15 Vinyl bromide	106	5.476	5.476	0.0	98	1680461	36.6	
16 Trichlorofluoromethane	101	5.583	5.583	0.0	97	4053828	36.3	
17 Pentane	43	5.732	5.732	0.0	93	823720	32.9	
19 Ethanol	45	6.244	6.239	0.005	98	432862	84.9	
21 Ethyl ether	59	6.298	6.303	-0.005	79	596037	34.8	
22 Acrolein	56	6.714	6.719	-0.005	95	248766	33.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.725	6.725	0.0	88	2917761	35.5	
24 1,1-Dichloroethene	96	6.773	6.773	0.0	79	1389925	35.6	
25 Acetone	43	7.050	7.056	-0.006	93	733792	33.3	
26 Carbon disulfide	76	7.157	7.157	0.0	97	3422690	34.8	
27 Isopropyl alcohol	45	7.381	7.371	0.010	98	557249	34.4	
29 3-Chloro-1-propene	41	7.605	7.605	0.0	71	547043	34.2	
30 Acetonitrile	41	7.605	7.776	-0.171	71	547029	44.3	
31 Methylene Chloride	49	7.915	7.915	0.0	67	614488	32.4	
32 2-Methyl-2-propanol	59	8.182	8.176	0.006	97	1431100	35.2	
33 Methyl tert-butyl ether	73	8.331	8.331	0.0	92	3327207	35.8	
34 trans-1,2-Dichloroethene	61	8.363	8.358	0.005	75	1245123	34.0	
35 Acrylonitrile	53	8.555	8.555	0.0	95	499532	35.7	
36 Hexane	57	8.753	8.758	-0.005	79	1221057	33.4	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	9.286	9.281	0.005	98	1848529	35.7
	38 Vinyl acetate	43	9.377	9.377	0.0	97	1441251	36.6
S	41 1,2-Dichloroethene, Total	61				0		71.4
	39 cis-1,2-Dichloroethene	96	10.450	10.445	0.005	83	2001034	37.4
	40 2-Butanone (MEK)	72	10.525	10.530	-0.005	98	706139	34.0
	42 Ethyl acetate	88	10.567	10.562	0.005	96	165484	37.6
*	43 Chlorobromomethane	128	10.941	10.936	0.005	62	563318	10.0
	44 Tetrahydrofuran	42	10.946	10.952	-0.006	71	708235	33.7
	45 Chloroform	83	11.080	11.080	0.0	98	3646312	36.7
	46 Cyclohexane	84	11.309	11.304	0.005	77	2636392	35.8
	47 1,1,1-Trichloroethane	97	11.357	11.352	0.005	90	4276728	36.8
	48 Carbon tetrachloride	117	11.608	11.608	0.0	95	4988641	39.0
	51 Isooctane	57	12.067	12.067	0.0	97	6155007	31.9
	50 Benzene	78	12.115	12.110	0.005	92	5893988	34.8
	52 1,2-Dichloroethane	62	12.323	12.318	0.005	98	2131827	35.7
	53 n-Heptane	43	12.483	12.478	0.005	70	1619771	29.4
*	54 1,4-Difluorobenzene	114	13.012	13.006	0.006	91	3264122	10.0
	55 n-Butanol	56	13.449	13.449	0.0	75	798972	33.8
	56 Trichloroethene	95	13.492	13.487	0.005	90	3345512	38.3
A	57 GRO	1	13.505	5.124 - 21.886		0	674313855	0
	58 1,2-Dichloropropane	63	14.095	14.090	0.005	92	2197076	35.0
	59 Methyl methacrylate	69	14.271	14.271	0.0	69	2468173	37.4
	60 1,4-Dioxane	88	14.335	14.335	0.0	67	999017	34.3
	61 Dibromomethane	174	14.356	14.351	0.005	86	3885444	44.8
	62 Dichlorobromomethane	83	14.661	14.655	0.006	97	5051043	38.3
A	63 TVOC as Toluene	1	15.282	3.171 - 27.394		0	1232620165	7666.2
	64 cis-1,3-Dichloropropene	75	15.621	15.616	0.005	82	4095202	38.4
	65 4-Methyl-2-pentanone (MIBK)	43	15.931	15.926	0.005	82	2646426	31.9
A	67 Toluene Range	1	16.214	16.174 - 16.254		0	34655130	NC
	66 Toluene	92	16.219	16.214	0.005	93	5885894	37.7
A	69 C8 Range	1	16.251	16.201 - 16.301		0	34655130	NC
	68 n-Octane	43	16.256	16.251	0.005	67	2499868	26.6
	70 trans-1,3-Dichloropropene	75	16.833	16.828	0.005	87	4222649	37.4
	71 1,1,2-Trichloroethane	83	17.212	17.212	0.0	91	2648591	37.3
	72 Tetrachloroethene	166	17.297	17.297	0.0	92	6064560	44.4
	73 2-Hexanone	43	17.676	17.671	0.005	80	2552778	31.1
	74 Chlorodibromomethane	129	17.980	17.975	0.005	94	6521503	43.1
	75 Ethylene Dibromide	107	18.258	18.252	0.006	99	5581701	40.3
*	76 Chlorobenzene-d5	117	19.149	19.149	0.0	66	3171881	10.0
	77 Chlorobenzene	112	19.213	19.208	0.005	96	8980350	40.7
	78 Ethylbenzene	91	19.363	19.357	0.005	95	12725806	38.0
	79 n-Nonane	57	19.464	19.459	0.005	73	3797852	29.6
	81 m-Xylene & p-Xylene	106	19.613	19.608	0.005	97	10635110	76.2
S	82 Xylenes, Total	106				0		115.9
	83 o-Xylene	106	20.419	20.414	0.005	95	5425653	39.7
	84 Styrene	104	20.473	20.467	0.006	97	8738808	41.5
	85 Bromoform	173	20.868	20.862	0.006	97	7156617	44.9
	86 Isopropylbenzene	105	21.054	21.049	0.005	92	15060699	38.9
$	87 4-Bromofluorobenzene	95	21.401	21.401	0.0	98	2088472	NC
	88 1,1,2,2-Tetrachloroethane	83	21.673	21.668	0.005	94	6341028	34.3
	90 N-Propylbenzene	91	21.732	21.727	0.005	98	15953282	35.2
	89 1,2,3-Trichloropropane	75	21.769	21.764	0.005	87	4522411	32.7

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane	57	21.882	21.876	0.006	69	3831625	25.3
91 4-Ethyltoluene	105	21.914	21.908	0.006	94	13281490	33.7
92 2-Chlorotoluene	91	21.930	21.924	0.006	93	9701240	31.9
94 1,3,5-Trimethylbenzene	105	22.015	22.010	0.005	94	12465448	38.0
95 Alpha Methyl Styrene	118	22.367	22.362	0.005	90	7357313	42.6
96 tert-Butylbenzene	119	22.485	22.479	0.006	92	12795874	39.6
97 1,2,4-Trimethylbenzene	105	22.575	22.570	0.005	94	12436082	38.1
98 sec-Butylbenzene	105	22.794	22.794	0.0	98	17583772	37.1
99 4-Isopropyltoluene	119	22.992	22.992	0.0	94	16048695	38.6
100 1,3-Dichlorobenzene	146	23.029	23.029	0.0	98	9939069	41.0
101 1,4-Dichlorobenzene	146	23.168	23.168	0.0	96	10088897	41.6
102 Benzyl chloride	91	23.376	23.376	0.0	99	10939788	38.1
103 n-Butylbenzene	91	23.579	23.579	0.0	95	10038946	29.8
104 Undecane	57	23.589	23.584	0.005	78	3244490	22.9
105 1,2-Dichlorobenzene	146	23.728	23.723	0.005	99	9530424	41.7
106 Dodecane	57	25.244	25.244	0.0	85	2587541	19.4
107 1,2,4-Trichlorobenzene	180	26.354	26.354	0.0	92	6153908	38.1
108 Hexachlorobutadiene	225	26.541	26.541	0.0	95	4692774	30.6
109 Naphthalene	128	26.888	26.882	0.006	99	12259209	43.8
110 1,2,3-Trichlorobenzene	180	27.384	27.384	0.0	96	4201320	31.4

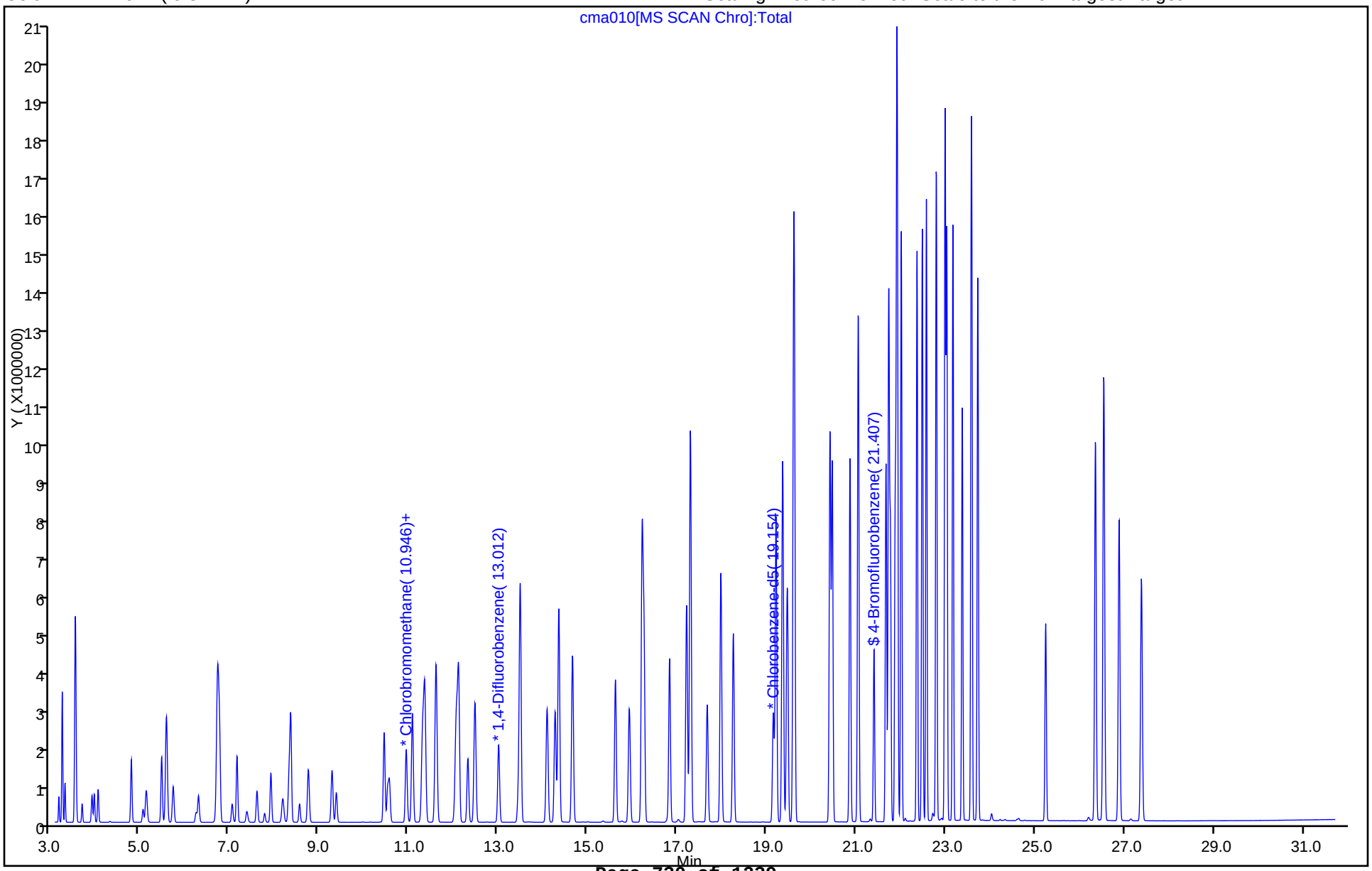
Report Date: 21-Jan-2014 12:19:44 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Injection Date:	03-Jan-2014 15:48:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68619

SDG No.: 200-20955-1

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-68619/6	6246_006.D
Level 2	IC 200-68619/7	6246_007.D
Level 3	IC 200-68619/8	6246_008.D
Level 4	IC 200-68619/9	6246_009.D
Level 5	ICIS 200-68619/10	6246_010.D
Level 6	IC 200-68619/11	6246_011.D
Level 7	IC 200-68619/12	6246_012.D
Level 8	IC 200-68619/13	6246_013.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.3790	0.7148 0.3651	0.5325 0.3363	0.4395	0.4003	Ave		0.4525				29.0		30.0			
Freon 12	+++++ 2.9874	+++++ 2.8719	3.7069 2.5818	3.5158	3.1589	Ave		3.1371				13.0		30.0			
Freon 22	+++++ 1.1103	+++++ 1.0831	1.3941 0.9884	1.3139	1.1968	Ave		1.1811				13.0		30.0			
Freon-114	+++++ 2.4982	2.9659 2.4044	3.1537 2.1606	2.9606	2.6635	Ave		2.6867				13.0		30.0			
Chloromethane	+++++ 0.5533	+++++ 0.5482	0.7230 0.5063	0.6554	0.5875	Ave		0.5956				13.0		30.0			
n-Butane	+++++ 0.7455	+++++ 0.7094	0.9492 0.6507	0.8742	0.7817	Ave		0.7851				14.0		30.0			
Vinyl chloride	1.0034 0.7381	0.8642 0.7149	0.9178 0.6605	0.8506	0.7784	Ave		0.8160				14.0		30.0			
1,3-Butadiene	+++++ 0.4505	0.5325 0.4310	0.5198 0.4026	0.5203	0.4743	Ave		0.4758				11.0		30.0			
Bromomethane	+++++ 1.0944	1.2407 1.0686	1.3271 0.9905	1.2599	1.1512	Ave		1.1618				10.0		30.0			
Chloroethane	+++++ 0.3098	+++++ 0.3014	0.3824 0.2800	0.3491	0.3212	Ave		0.3240				11.0		30.0			
Isopentane	+++++ 0.4694	0.6333 0.4590	0.5858 0.4236	0.5377	0.4893	Ave		0.5140				15.0		30.0			
Vinyl bromide	+++++ 1.2099	1.3175 1.1834	1.3962 1.1154	1.3594	1.2482	Ave		1.2614				8.0		30.0			
Freon 11	+++++ 3.3690	3.9158 3.2572	4.1251 3.0024	3.8886	3.5242	Ave		3.5832				11.0		30.0			
n-Pentane	+++++ 0.7616	+++++ 0.7386	0.9161 0.6848	0.8786	0.7926	Ave		0.7954				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68619

SDG No.: 200-20955-1

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.1881	+++++ 0.1853	0.2071 0.1702	0.1978	0.1977	Ave		0.1910				6.7		30.0			
Ethyl ether	+++++ 0.3844	0.4421 0.3774	0.4217 0.3489	0.4319	0.3959	Ave		0.4003				8.3		30.0			
Acrolein	+++++ 0.1860	+++++ 0.1868	+++++ 0.1778	0.2117	0.1927	Ave		0.1910				6.7		30.0			
Freon 113	+++++ 2.1059	2.4624 2.0546	2.5764 1.8830	2.4437	2.2143	Ave		2.2486				11.0		30.0			
1,1-Dichloroethene	+++++ 0.8763	1.0812 0.8661	1.1007 0.7895	1.0239	0.9260	Ave		0.9520				12.0		30.0			
Acetone	+++++ 0.7971	+++++ 0.8386	+++++ 0.7060	0.9395	1.1122	Ave		0.8787				18.0		30.0			
Carbon disulfide	+++++ 2.4487	+++++ 2.1749	2.5564 2.0324	2.4828	2.2943	Ave		2.3316				8.6		30.0			
Isopropyl alcohol	+++++ 0.6937	+++++ 0.6671	+++++ 0.5864	0.8299	0.7679	Ave		0.7090				13.0		30.0			
Allyl chloride	+++++ 0.6020	0.6648 0.5923	0.6802 0.5536	0.6807	0.6293	Ave		0.6290				7.8		30.0			
Acetonitrile	+++++ 0.3343	+++++ 0.3306	+++++ 0.2974	0.3817	0.3475	Ave		0.3383				9.0		30.0			
Methylene Chloride	+++++ 0.6573	+++++ 0.6531	0.8540 0.6026	0.7739	0.7006	Ave		0.7069				13.0		30.0			
tert-Butyl alcohol	+++++ 1.2326	+++++ 1.2177	+++++ 1.0621	1.4441	1.3426	Ave		1.2598				11.0		30.0			
Methyl tert-butyl ether	+++++ 2.1552	2.3025 2.1124	2.4465 1.9713	2.4261	2.2480	Ave		2.2374				7.7		30.0			
trans-1,2-Dichloroethene	+++++ 0.9840	1.1100 0.9521	1.1752 0.8772	1.1426	1.0320	Ave		1.0390				10.0		30.0			
Acrylonitrile	+++++ 0.3737	+++++ 0.3698	0.3979 0.3534	0.4100	0.3871	Ave		0.3820				5.4		30.0			
Hexane	+++++ 0.8027	0.9300 0.7717	0.9275 0.7220	0.8956	0.8249	Ave		0.8392				9.6		30.0			
1,1-Dichloroethane	1.8728 1.4106	1.5118 1.3786	1.6374 1.2923	1.6128	1.4588	Ave		1.5219				12.0		30.0			
Vinyl acetate	+++++ 1.4586	+++++ 1.4336	+++++ 1.3509	1.6067	1.5122	Ave		1.4724				6.4		30.0			
cis-1,2-Dichloroethene	+++++ 1.2236	1.3809 1.2157	1.4483 1.1225	1.3690	1.2681	Ave		1.2897				8.8		30.0			
Methyl Ethyl Ketone	+++++ 0.4063	+++++ 0.3921	0.5877 0.3624	0.4465	0.4213	Ave		0.4361				18.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68619

SDG No.: 200-20955-1

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0650	+++++ 0.0646	+++++ 0.0604	0.0716	0.0688	Ave		0.0661				6.5		30.0			
Tetrahydrofuran	+++++ 0.1164	+++++ 0.1139	+++++ 0.1073	0.1333	0.1238	Ave		0.1189				8.4		30.0			
Chloroform	+++++ 2.7018	2.9925 2.6339	3.2808 2.4348	3.1270	2.8420	Ave		2.8590				10.0		30.0			
Cyclohexane	+++++ 0.2335	0.2692 0.2286	0.2896 0.2081	0.2713	0.2468	Ave		0.2496				11.0		30.0			
1,1,1-Trichloroethane	+++++ 0.5599	0.6287 0.5463	0.6614 0.5043	0.6418	0.5910	Ave		0.5905				9.6		30.0			
Carbon tetrachloride	0.8704 0.7170	0.7330 0.7011	0.7920 0.6630	0.7981	0.7476	Ave		0.7528				8.7		30.0			
Benzene	+++++ 0.6126	0.7670 0.5960	0.7802 0.5356	0.7241	0.6554	Ave		0.6673				14.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.7504	0.8447 0.7188	0.9318 0.6407	0.8886	0.7986	Ave		0.7963				13.0		30.0			
1,2-Dichloroethane	+++++ 0.3158	0.3579 0.3097	0.3637 0.2917	0.3606	0.3323	Ave		0.3331				8.5		30.0			
Heptane	+++++ 0.2656	0.3901 0.2555	0.3322 0.2291	0.3164	0.2826	Ave		0.2959				18.0		30.0			
n-Butanol	+++++ 0.1138	+++++ 0.1085	+++++ 0.0985	0.1250	0.1252	Ave		0.1142				10.0		30.0			
Trichloroethene	0.6018 0.4313	0.4822 0.4200	0.5161 0.3834	0.4935	0.4566	Ave		0.4731				14.0		30.0			
1,2-Dichloropropane	+++++ 0.2993	+++++ 0.2894	0.3554 0.2648	0.3491	0.3164	Ave		0.3124				11.0		30.0			
Methyl methacrylate	+++++ 0.2743	+++++ 0.2672	0.2519 0.2410	0.3044	0.2912	Ave		0.2717				8.7		30.0			
1,4-Dioxane	+++++ 0.1435	+++++ 0.1333	+++++ 0.1050	0.1845	0.1685	Ave		0.1470				21.0		30.0			
Dibromomethane	+++++ 0.5299	0.5059 0.5205	0.5472 0.4799	0.5665	0.5483	Ave		0.5283				5.5		30.0			
Bromodichloromethane	+++++ 0.7822	0.7104 0.7619	0.8147 0.7015	0.8719	0.8169	Ave		0.7799				7.8		30.0			
cis-1,3-Dichloropropene	+++++ 0.5275	0.5037 0.5167	0.5567 0.4785	0.5843	0.5498	Ave		0.5310				6.7		30.0			
methyl isobutyl ketone	+++++ 0.4791	+++++ 0.4654	0.5090 0.4170	0.5542	0.5077	Ave		0.4887				9.5		30.0			
Toluene	+++++ 0.6736	0.8475 0.6539	0.8557 0.5939	0.7881	0.7155	Ave		0.7326				14.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68619

SDG No.: 200-20955-1

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.4757	0.5660 0.4515	0.6118 0.3919	0.5769	0.5095	Ave		0.5119				15.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.5472	0.5000 0.5393	0.5358 0.5022	0.5938	0.5676	Ave		0.5408				6.2		30.0			
1,1,2-Trichloroethane	+++++ 0.3425	0.4013 0.3302	0.4312 0.2966	0.4020	0.3650	Ave		0.3670				13.0		30.0			
Tetrachloroethene	0.9338 0.7367	0.8221 0.7240	0.8469 0.6644	0.8066	0.7642	Ave		0.7873				11.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4399	+++++ 0.4240	0.4247 0.3847	0.4984	0.4602	Ave		0.4387				8.7		30.0			
Dibromochloromethane	+++++ 0.9758	0.7972 0.9608	0.9394 0.8879	1.0535	1.0145	Ave		0.9470				8.9		30.0			
1,2-Dibromoethane	+++++ 0.7320	0.6994 0.7215	0.7824 0.6592	0.8090	0.7678	Ave		0.7388				7.0		30.0			
Chlorobenzene	+++++ 1.0220	1.1042 0.9920	1.2016 0.9015	1.1480	1.0696	Ave		1.0627				9.5		30.0			
Ethylbenzene	+++++ 1.4406	1.6349 1.3849	1.7496 1.2345	1.6743	1.5338	Ave		1.5218				12.0		30.0			
n-Nonane	+++++ 0.4993	0.6108 0.4715	0.6510 0.4027	0.6151	0.5396	Ave		0.5414				17.0		30.0			
m,p-Xylene	+++++ 0.5833	0.6732 0.5577	0.7351 0.4869	0.6939	0.6247	Ave		0.6221				14.0		30.0			
Xylene, o-	+++++ 0.6179	0.7013 0.5922	0.7302 0.5305	0.7180	0.6556	Ave		0.6494				11.0		30.0			
Styrene	+++++ 0.8950	0.7292 0.8822	0.8183 0.8051	0.9800	0.9422	Ave		0.8646				10.0		30.0			
Bromoform	+++++ 0.9868	0.6585 0.9680	0.7646 0.8734	1.0116	1.0068	Ave		0.8956				15.0		30.0			
Cumene	+++++ 1.6955	1.9142 1.6278	2.0836 1.3845	2.0022	1.8098	Ave		1.7882				13.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8368	0.9511 0.7931	1.0202 0.6766	1.0058	0.9000	Ave		0.8834				14.0		30.0			
1,2,3-Trichloropropane	+++++ 0.5560	+++++ 0.5167	0.7169 0.4246	0.6896	0.6072	Ave		0.5852				19.0		30.0			
n-Propylbenzene	+++++ 1.7505	2.0045 1.6320	2.1816 1.2866	2.1484	1.9133	Ave		1.8452				17.0		30.0			
2-Chlorotoluene	+++++ 1.1249	1.4237 1.0380	1.5758 0.8450	1.4702	1.2593	Ave		1.2481				21.0		30.0			
4-Ethyltoluene	+++++ 1.4133	1.5374 1.3144	1.8036 1.0959	1.7845	1.5620	Ave		1.5016				17.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68619

SDG No.: 200-20955-1

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Decane	+++++ 0.4869	+++++ 0.4329	0.8002 0.3339	0.6874	0.5657	Ave		0.5512				31.0	*	30.0			
1,3,5-Trimethylbenzene	+++++ 1.4241	1.5856 1.3557	1.6894 1.1591	1.6548	1.5215	Ave		1.4843				13.0		30.0			
Alpha Methyl Styrene	+++++ 0.7386	0.4902 0.7181	0.5931 0.6619	0.7878	0.7701	Ave		0.6800				16.0		30.0			
tert-Butylbenzene	+++++ 1.4158	1.6505 1.3510	1.7694 1.1603	1.6832	1.5208	Ave		1.5073				14.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.4103	1.4768 1.3415	1.5803 1.1247	1.6233	1.4992	Ave		1.4366				12.0		30.0			
sec-Butylbenzene	+++++ 2.0054	2.3299 1.8723	2.5263 1.3417	2.4266	2.1646	Ave		2.0953				19.0		30.0			
4-Isopropyltoluene	+++++ 1.6844	1.8650 1.5616	2.0415 1.1741	2.0353	1.8249	Ave		1.7410				17.0		30.0			
1,3-Dichlorobenzene	+++++ 0.9602	0.7275 0.9249	0.8244 0.8156	0.9975	0.9972	Ave		0.8925				12.0		30.0			
1,4-Dichlorobenzene	+++++ 0.9756	0.6150 0.9708	0.7069 0.8942	0.9241	0.9794	Ave		0.8666				17.0		30.0			
Benzyl chloride	+++++ 1.0292	0.6091 1.0483	0.6936 0.9779	1.0211	1.0511	Ave		0.9186				20.0		30.0			
n-Butylbenzene	+++++ 1.3896	1.2546 1.3074	1.4538 1.0894	1.6106	1.4877	Ave		1.3704				12.0		30.0			
n-Undecane	+++++ 0.6417	+++++ 0.5863	+++++ 0.4759	0.7997	0.7082	Ave		0.6424				19.0		30.0			
1,2-Dichlorobenzene	+++++ 1.0082	+++++ 0.9898	+++++ 0.8983	1.0253	1.0277	Ave		0.9899				5.4		30.0			
n-Dodecane	+++++ 0.1205	+++++ 0.1133	+++++ 0.0627	0.1022	0.1051	Ave		0.1008				22.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.6411	+++++ 0.6458	0.2122 0.5714	0.4825	0.6154	Ave		0.5281				31.0	*	30.0			
Hexachloro-1,3-butadiene	+++++ 0.5438	0.2782 0.5308	0.3635 0.3459	0.5339	0.5249	Ave		0.4459				25.0		30.0			
Naphthalene	+++++ 1.5541	+++++ 1.4556	0.5472 1.2395	1.1889	1.5698	Ave		1.2592				30.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6451	0.0882 0.6392	0.1490 0.4240	0.4756	0.6168	Ave		0.4340				53.0	*	30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68619

SDG No.: 200-20955-1

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-68619/6	6246_006.D
Level 2	IC 200-68619/7	6246_007.D
Level 3	IC 200-68619/8	6246_008.D
Level 4	IC 200-68619/9	6246_009.D
Level 5	ICIS 200-68619/10	6246_010.D
Level 6	IC 200-68619/11	6246_011.D
Level 7	IC 200-68619/12	6246_012.D
Level 8	IC 200-68619/13	6246_013.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 409939	9932 531626	18540 983061	151117	286297	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Freon 12	BCM	Ave	+++++ 3230850	+++++ 4181834	129063 7546057	1208772	2259292	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1200735	+++++ 1577162	48538 2888804	451729	855933	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon-114	BCM	Ave	+++++ 2701745	41209 3501162	109804 6314979	1017902	1904928	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 598384	+++++ 798173	25172 1479893	225318	420154	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 806246	+++++ 1032909	33049 1901790	300548	559089	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2816 798226	12008 1041015	31954 1930472	292452	556751	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 487180	7398 627561	18097 1176646	178903	339253	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 1183604	17238 1556035	46205 2895032	433178	823346	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 335083	+++++ 438854	13315 818413	120029	229705	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 507695	8799 668334	20397 1237978	184884	349976	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl bromide	BCM	Ave	+++++ 1308520	18306 1723153	48611 3260069	467389	892749	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Freon 11	BCM	Ave	+++++ 3643540	54407 4742944	143623 8775338	1336944	2520532	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 823688	+++++ 1075523	31896 2001506	302081	566844	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 271826	+++++ 539835	72194 1243817	136094	212163	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68619

SDG No.: 200-20955-1

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 415742	6143 549493	14683 1019836	148478	283148	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 201208	+++++ 271982	+++++ 519709	72770	137856	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon 113	BCM	Ave	+++++ 2277520	34213 2991683	89704 5503611	840163	1583677	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 947756	15022 1261148	38323 2307432	352045	662295	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 862031	+++++ 1221169	+++++ 2063546	323029	795436	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2648261	+++++ 3166898	89006 5940319	853634	1640891	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 750208	+++++ 971316	+++++ 1713889	285338	549210	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Allyl chloride	BCM	Ave	+++++ 651073	9237 862409	23682 1618104	234040	450082	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 361566	+++++ 481394	+++++ 869306	131243	248568	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 710830	+++++ 950923	29735 1761297	266067	501054	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1333072	+++++ 1773174	+++++ 3104259	496490	960229	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 2330831	31992 3075884	85180 5761697	834114	1607772	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1064193	15422 1386349	40916 2563803	392851	738091	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 404196	+++++ 538419	13855 1033037	140952	276821	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexane	BCM	Ave	+++++ 868088	12921 1123675	32294 2110178	307913	589981	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	5256 1525580	21005 2007403	57010 3777110	554518	1043330	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1577514	+++++ 2087444	+++++ 3948444	552395	1081527	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1323299	19187 1770187	50426 3280795	470673	906927	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 439441	+++++ 570879	20463 1059095	153510	301345	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 70260	+++++ 94118	+++++ 176622	24618	49181	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 714991	+++++ 939094	+++++ 1745766	262302	499970	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68619

SDG No.: 200-20955-1

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2921953	41579 3835335	114228 7116385	1075112	2032630	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1433887	21357 1884655	57411 3386982	533914	997051	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 3437517	49882 4503954	131103 8206833	1263234	2387389	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	13918 4402582	58162 5780737	156994 10788406	1570962	3020168	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 3761203	60856 4914178	154653 8715559	1425155	2647780	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 4607690	67023 5926650	184696 10425438	1749112	3226416	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1939265	28397 2553638	72082 4747119	709813	1342503	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Heptane	DFB	Ave	+++++ 1630783	30950 2106255	65839 3727378	622697	1141680	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 698968	+++++ 894348	+++++ 1602361	245970	505897	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	9623 2647845	38256 3463198	102297 6239533	971312	1844608	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1837625	+++++ 2386362	70446 4309146	687104	1278379	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1684416	+++++ 2202970	49923 3921743	599107	1176380	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 881134	+++++ 1099302	+++++ 1709373	363088	680611	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 3253569	40138 4291738	108460 7808407	1115046	2215033	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 4802511	56366 6281735	161476 11414848	1716250	3300205	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 3238934	39968 4259880	110337 7786571	1150002	2221070	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2941842	+++++ 3837041	100890 6786028	1090848	2051108	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 4313082	64574 5619306	165800 10062727	1590379	2998194	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 2920702	44909 3722407	121271 6377605	1135415	2058389	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 3359685	39671 4446522	106208 8172557	1168774	2292877	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 2193082	30580 2837907	83539 5024630	811215	1529284	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68619

SDG No.: 200-20955-1

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	14419 4717288	62640 6221845	164090 11257293	1627552	3202244	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2816666	+++++ 3644308	82281 6517803	1005814	1928485	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 6248363	60743 8257492	182005 15043588	2125782	4251148	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 4686871	53293 6200376	151583 11168909	1632564	3217385	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 6544081	84135 8525443	232809 15274499	2316460	4481775	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 9224141	124570 11901776	338982 20917158	3378545	6427281	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 3197055	46544 4051815	126136 6823424	1241178	2261097	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 7470362	102596 9585988	284857 16500183	2800392	5235134	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 3956763	53436 5089695	141475 8987903	1448848	2747243	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 5731100	55566 7581441	158543 13641554	1977497	3948082	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 6318722	50174 8318745	148133 14797457	2041252	4218739	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 10856447	145855 13989868	403696 23458205	4040344	7583518	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 5358285	72471 6815546	197660 11463767	2029661	3771098	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 3560001	+++++ 4440353	138895 7193533	1391625	2544453	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 11208613	152735 14025147	422680 21799286	4335173	8017289	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 7203124	108483 8920326	305303 14316837	2966781	5276687	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 9049566	117145 11296239	349454 18568014	3601019	6545510	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 3118009	+++++ 3720783	155046 5657115	1387088	2370339	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 9119021	120819 11650765	327327 19639345	3339306	6375396	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 4729427	37350 6171333	114920 11214255	1589678	3226946	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 9065846	125760 11610585	342819 19659345	3396541	6372646	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68619

SDG No.: 200-20955-1

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 9030475	112524 11529355	306178 19055651	3275586	6282168	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 12841290	177526 16091123	489470 22732453	4896687	9070536	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 10785413	142104 13420123	395550 19892235	4107052	7647082	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 6148441	55435 7948502	159722 13818690	2012775	4178465	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 6246800	46861 8343313	136968 15149869	1864818	4104191	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 6590225	46409 9009188	134388 16568250	2060431	4404416	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 8898136	95595 11235803	281679 18457704	3250065	6233885	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 4109189	+++++ 5038697	+++++ 8063472	1613618	2967633	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 6455653	+++++ 8506718	+++++ 15220896	2068985	4306560	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 771526	+++++ 974121	+++++ 1062315	206208	440445	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 4105144	+++++ 5549938	41123 9680944	973721	2578741	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachloro-1,3-butadiene	CBZ	Ave	+++++ 3482315	21199 4561824	70423 5860214	1077440	2199519	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 9951278	+++++ 12509910	106015 21001143	2399063	6577845	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 4130531	6724 5493601	28868 7183636	959669	2584533	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_006.D
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 20-Feb-2014 16:25:30 ALS Bottle#: 2 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-006
Misc. Info.: IC-01
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:44:21 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: daiglep Date: 21-Feb-2014 11:51:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	80	4315	0.1362	
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	93	11812	0.0538	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	54	5383	0.0651	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.400	3.405	-0.005	78	10118	0.0538	
8 Chloromethane	50	3.539	3.539	0.0	67	3697	0.0887	
9 Butane	43	3.759	3.759	0.0	86	3957	0.0720	
10 Vinyl chloride	62	3.796	3.796	0.0	36	2816	0.0493	
11 Butadiene	54	3.876	3.882	-0.006	55	1908	0.0573	
12 Bromomethane	94	4.577	4.577	0.0	90	4477	0.0550	
14 Chloroethane	64	4.823	4.828	-0.005	27	1238	0.0546	
15 2-Methylbutane	43	4.919	4.925	-0.006	70	2204	0.0612	
16 Vinyl bromide	106	5.224	5.235	-0.011	65	4415	0.0500	
17 Trichlorofluoromethane	101	5.353	5.353	0.0	67	9103	0.0363	
18 Pentane	43	5.513	5.508	0.005	78	3617	0.0650	
19 Ethanol	45	5.925	5.925	0.0	55	1103	0.0825	
21 Ethyl ether	59	6.059	6.043	0.016	71	1304	0.0465	
22 Acrolein	56	6.407	6.407	0.0	30	1566	0.1171	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	79	8641	0.0549	
24 1,1-Dichloroethene	96	6.508	6.503	0.005	37	2693	0.0404	
25 Acetone	43	6.733	6.722	0.011	82	23665	0.3847	
26 Carbon disulfide	76	6.888	6.888	0.0	85	8590	0.0526	
27 Isopropyl alcohol	45	7.059	7.038	0.021	45	2980	0.0600	
29 3-Chloro-1-propene	41	7.295	7.305	-0.010	66	2101	0.0477	
30 Acetonitrile	41	7.418	7.402	0.016	78	3253	0.1373	
31 Methylene Chloride	49	7.589	7.600	-0.011	76	3111	0.0629	
32 2-Methyl-2-propanol	59	7.867	7.840	0.027	36	2700	0.0306	
33 Methyl tert-butyl ether	73	8.070	8.044	0.026	55	8419	0.0537	
34 trans-1,2-Dichloroethene	61	8.060	8.060	0.0	52	3717	0.0511	
35 Acrylonitrile	53	8.172	8.188	-0.016	14	1046	0.0391	
36 Hexane	57	8.493	8.493	0.0	66	3139	0.0534	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	8.948	8.948	0.0	39	5256	0.0493	
	38 Vinyl acetate	43	9.049	9.044	0.005	97	4428	0.0430	
	39 cis-1,2-Dichloroethene	96	10.082	10.093	-0.011	61	5485	0.0607	
	40 2-Butanone (MEK)	72	10.141	10.141	0.0	95	3624	0.1187	
S	41 1,2-Dichloroethene, Total	61				0		0.1118	
	42 Ethyl acetate	88		10.216					
*	43 Chlorobromomethane	128	10.558	10.563	-0.005	68	700084	10.0	
	44 Tetrahydrofuran	42	10.606	10.579	0.027	60	2555	0.0539	
	45 Chloroform	83	10.713	10.708	0.005	56	4350	0.0217	
	46 Cyclohexane	84	10.997	10.997	0.0	38	2157	0.0217	
	47 1,1,1-Trichloroethane	97	10.997	11.007	-0.010	75	11495	0.0488	
	48 Carbon tetrachloride	117	11.259	11.275	-0.016	84	13918	0.0464	
	50 Benzene	78	11.740	11.746	-0.006	58	10046	0.0377	
	51 Isooctane	57	11.756	11.767	-0.011	89	16238	0.0511	
	52 1,2-Dichloroethane	62	11.912	11.917	-0.005	67	6501	0.0489	
	53 n-Heptane	43	12.168	12.179	-0.011	71	3667	0.0311	
*	54 1,4-Difluorobenzene	114	12.623	12.628	-0.005	91	3988634	10.0	
	55 n-Butanol	56	13.051	13.019	0.032	64	3211	0.0705	
	56 Trichloroethene	95	13.115	13.115	0.0	75	9623	0.0510	M
A	57 GRO	1	13.297	4.915 -	21.679	0	2532141	0	
	58 1,2-Dichloropropane	63	13.682	13.682	0.0	61	3436	0.0276	
	59 Methyl methacrylate	69		13.886					
	60 1,4-Dioxane	88	13.966	13.918	0.048	65	4612	0.0787	
	61 Dibromomethane	174	13.939	13.939	0.0	87	10147	0.0482	
	62 Dichlorobromomethane	83	14.244	14.249	-0.005	79	7475	0.0240	
A	63 TVOC as Toluene	1	15.022	3.048 -	26.997	0	2791782	9.55	
	64 cis-1,3-Dichloropropene	75	15.234	15.234	0.0	54	9411	0.0444	
	65 4-Methyl-2-pentanone (MIBK)	43	15.555	15.533	0.022	74	7838	0.0402	
A	67 Toluene Range	1	15.854	15.814 -	15.894	0	55010	NC	
	66 Toluene	92	15.854	15.854	0.0	86	15948	0.0565	
A	68 C8 Range	1	15.967	15.917 -	16.017	0	43465	NC	
	69 n-Octane	43	15.956	15.967	-0.011	74	10258	0.0502	
	70 trans-1,3-Dichloropropene	75	16.437	16.443	-0.006	66	9201	0.0427	
	71 1,1,2-Trichloroethane	83	16.812	16.817	-0.005	84	6922	0.0490	
	72 Tetrachloroethene	166	16.967	16.967	0.0	87	14419	0.0475	M
	73 2-Hexanone	43	17.299	17.288	0.011	81	4141	0.0245	
	74 Chlorodibromomethane	129	17.582	17.588	-0.006	77	14016	0.0384	
	75 Ethylene Dibromide	107	17.871	17.866	0.005	85	7321	0.0257	
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	82	3851886	10.0	
	77 Chlorobenzene	112	18.855	18.850	0.005	3	19465	0.0476	
	78 Ethylbenzene	91	19.021	19.016	0.005	85	29407	0.0502	
	79 n-Nonane	57	19.176	19.182	-0.006	76	10756	0.0516	
	80 m-Xylene & p-Xylene	106	19.267	19.273	-0.006	99	24366	0.1017	
S	82 Xylenes, Total	106				0		0.1541	
	83 o-Xylene	106	20.102	20.102	0.0	77	13112	0.0524	
	84 Styrene	104	20.150	20.145	0.005	70	12395	0.0372	
	85 Bromoform	173	20.530	20.530	0.0	85	11162	0.0324	
	86 Isopropylbenzene	105	20.765	20.765	0.0	86	34116	0.0495	
$	87 4-Bromofluorobenzene	95	21.108	21.108	0.0	98	1918455	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.364	21.364	0.0	87	16998	0.0500	
	89 1,2,3-Trichloropropane	75	21.466	21.461	0.005	56	13027	0.0578	
	90 N-Propylbenzene	91	21.466	21.471	-0.005	96	34737	0.0489	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.653	21.653	0.0	85	26640	0.0461
92 2-Chlorotoluene	91	21.659	21.653	0.006	80	24750	0.0515
93 n-Decane	57	21.664	21.669	-0.005	81	12420	0.0585
94 1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	88	27081	0.0474
95 Alpha Methyl Styrene	118	22.108	22.113	-0.005	86	8009	0.0306
96 tert-Butylbenzene	119	22.242	22.242	0.0	83	29749	0.0512
97 1,2,4-Trimethylbenzene	105	22.333	22.333	0.0	90	25200	0.0455
98 sec-Butylbenzene	105	22.557	22.563	-0.006	96	41418	0.0513
99 4-Isopropyltoluene	119	22.761	22.761	0.0	89	32476	0.0484
100 1,3-Dichlorobenzene	146	22.782	22.777	0.005	80	12915	0.0376
101 1,4-Dichlorobenzene	146	22.916	22.910	0.006	87	11906	0.0357
102 Benzyl chloride	91	23.103	23.103	0.0	83	10599	0.0300
103 n-Butylbenzene	91	23.338	23.338	0.0	75	18833	0.0357
104 Undecane	57	23.381	23.381	0.0	59	4903	0.0198
105 1,2-Dichlorobenzene	146	23.451	23.451	0.0	87	12964	0.0340
106 Dodecane	57		25.008				
107 1,2,4-Trichlorobenzene	180	26.008	26.013	-0.005	1	1071	0.005265
108 Hexachlorobutadiene	225	26.222	26.227	-0.005	10	2299	0.0134
109 Naphthalene	128	26.505	26.500	0.005	1	1468	0.003027
110 1,2,3-Trichlorobenzene	180	26.971	26.987	-0.016	1	258	0.001543

QC Flag Legend

Review Flags
M - Manually Integrated

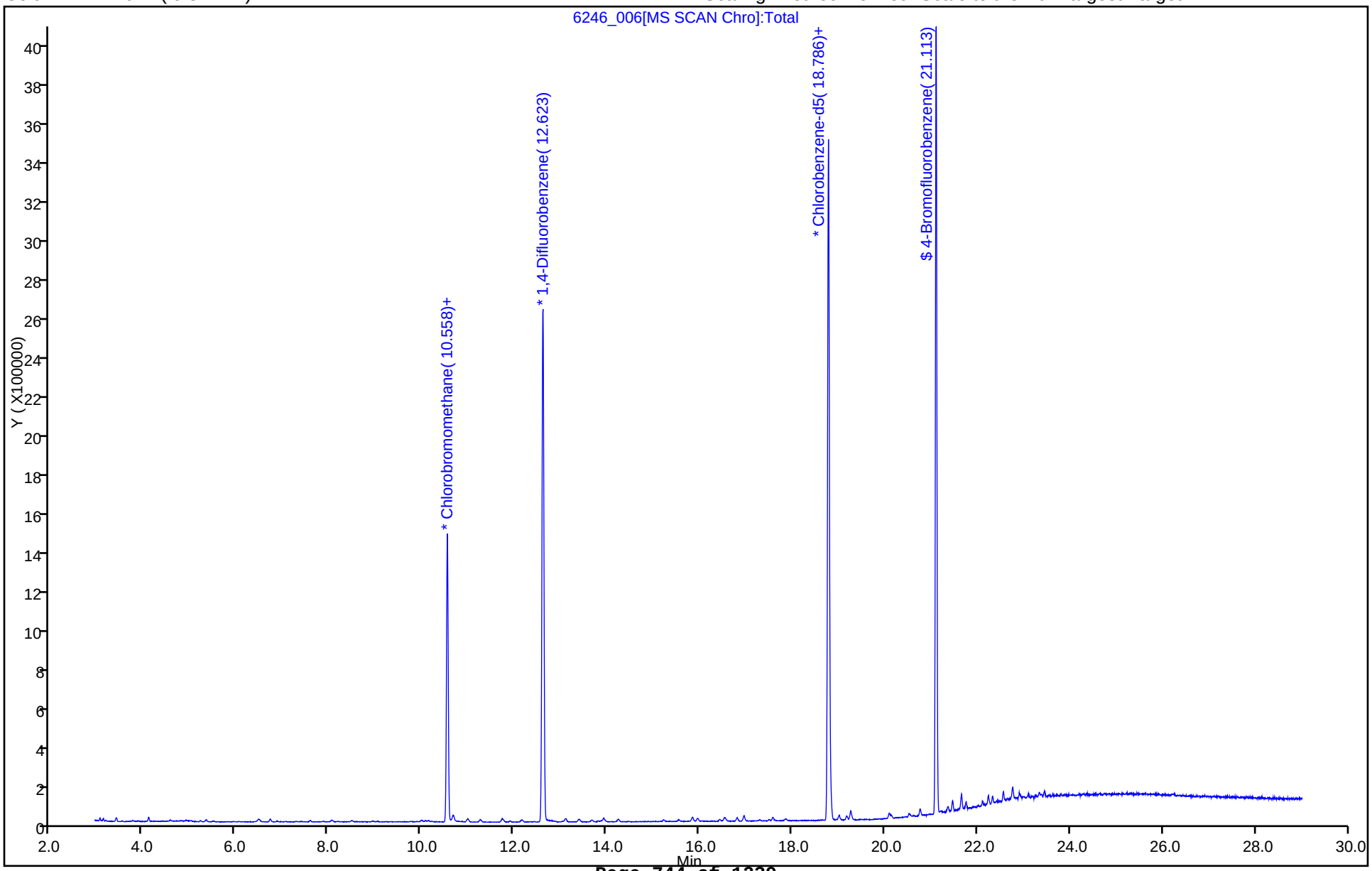
Report Date: 25-Feb-2014 11:44:21 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_006.D

Injection Date:	20-Feb-2014 16:25:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

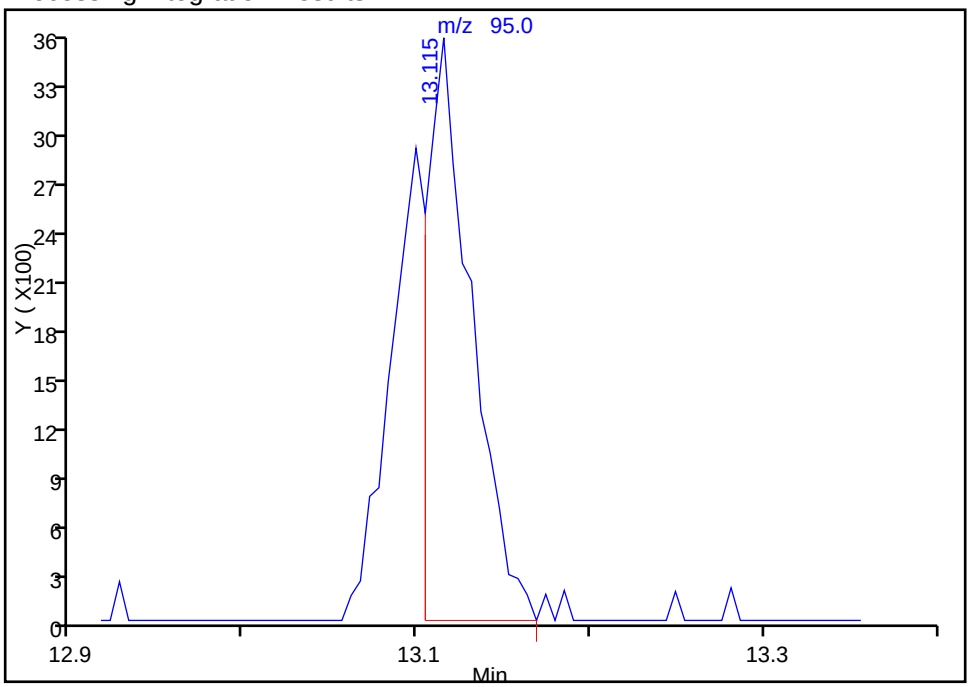
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_006.D				
Injection Date:	20-Feb-2014 16:25:30	Instrument ID:	CHG.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

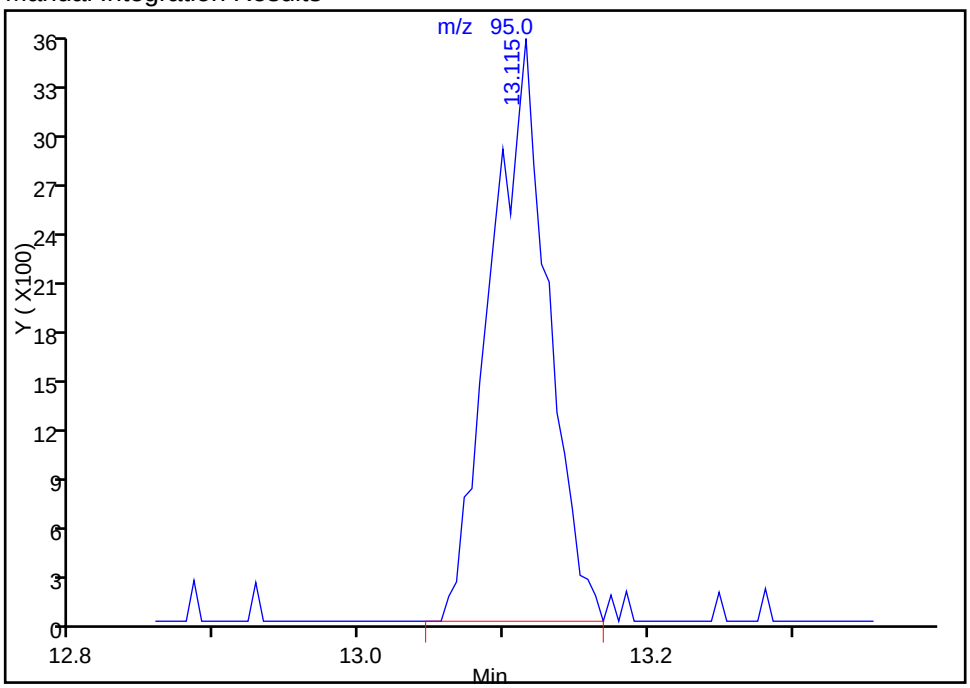
Processing Integration Results

RT: 13.12
Response: 6257
Amount: 0.034312



Manual Integration Results

RT: 13.12
Response: 9623
Amount: 0.050994



Reviewer: daiglep, 21-Feb-2014 11:51:57
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

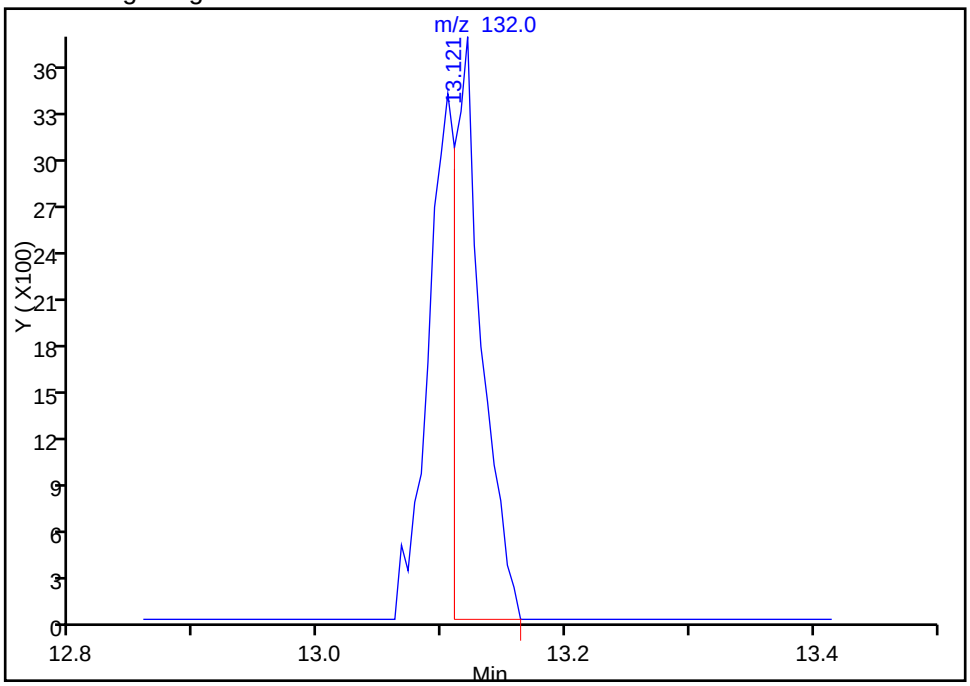
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_006.D				
Injection Date:	20-Feb-2014 16:25:30	Instrument ID:	CHG.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

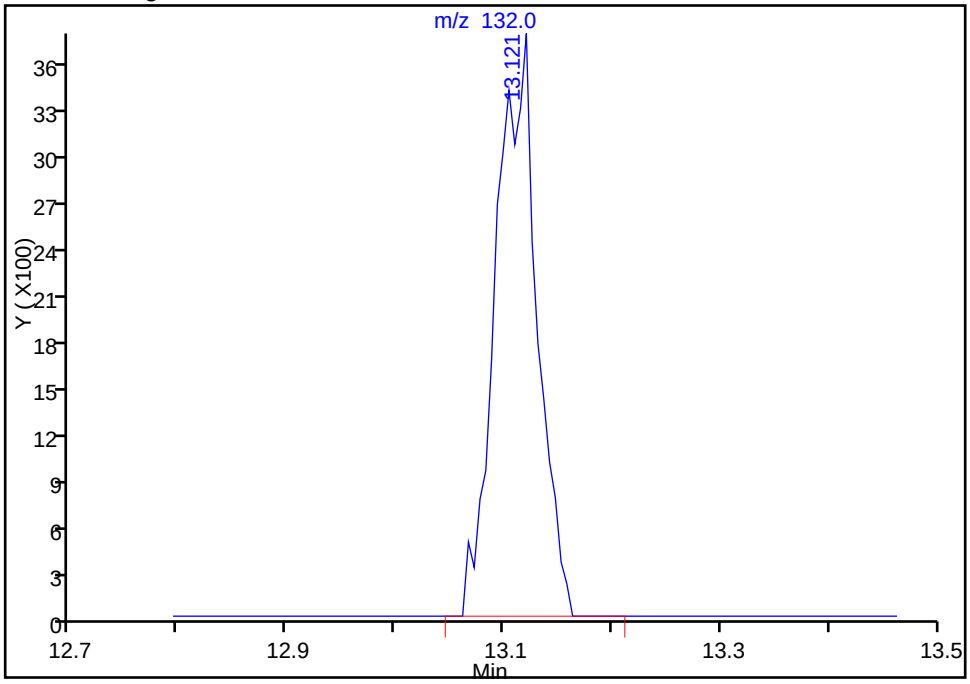
Processing Integration Results

RT: 13.12
Response: 5730
Amount: 0.034312



Manual Integration Results

RT: 13.12
Response: 9937
Amount: 0.050994



Reviewer: daiglep, 21-Feb-2014 11:51:57
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

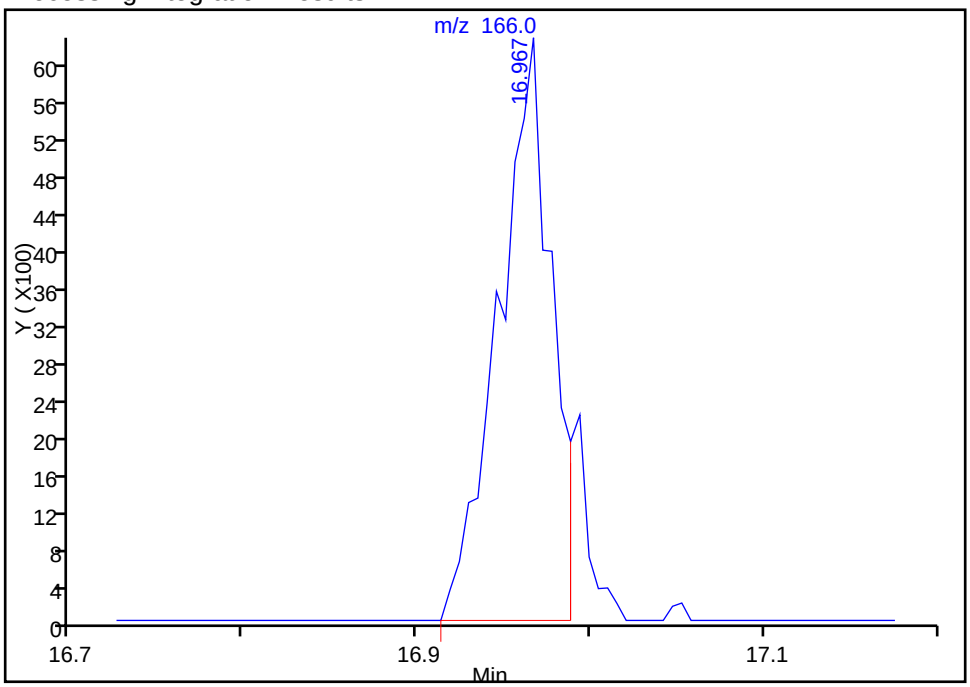
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_006.D				
Injection Date:	20-Feb-2014 16:25:30	Instrument ID:	CHG.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

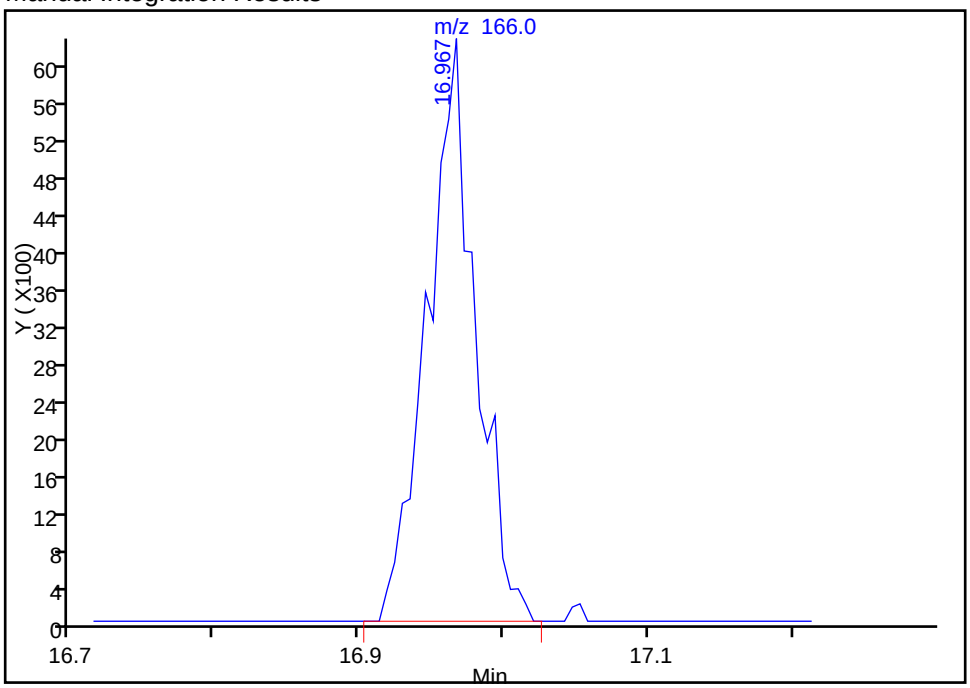
Processing Integration Results

RT: 16.97
Response: 13217
Amount: 0.043344



Manual Integration Results

RT: 16.97
Response: 14419
Amount: 0.047545



Reviewer: daiglep, 21-Feb-2014 11:51:57
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_007.D
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 20-Feb-2014 17:12:30 ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-007
Misc. Info.: IC-02
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:44:24 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: daiglep Date: 21-Feb-2014 11:54:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	92	9932	0.3166	
2 Dichlorodifluoromethane	85	3.133	3.127	0.006	88	50004	0.2299	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	94	20456	0.2499	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.411	3.405	0.006	86	41209	0.2213	
8 Chloromethane	50	3.544	3.539	0.005	97	14138	0.3424	
9 Butane	43	3.758	3.759	-0.001	85	14005	0.2573	
10 Vinyl chloride	62	3.801	3.796	0.005	87	12008	0.2123	
11 Butadiene	54	3.887	3.882	0.005	87	7398	0.2243	
12 Bromomethane	94	4.582	4.577	0.005	92	17238	0.2140	
14 Chloroethane	64	4.834	4.828	0.006	75	5806	0.2585	
15 2-Methylbutane	43	4.930	4.925	0.005	86	8799	0.2469	
16 Vinyl bromide	106	5.230	5.235	-0.005	95	18306	0.2094	
17 Trichlorofluoromethane	101	5.347	5.353	-0.006	83	54407	0.2190	
18 Pentane	43	5.513	5.508	0.005	90	12952	0.2349	
19 Ethanol	45	5.930	5.925	0.005	89	10476	0.7911	
21 Ethyl ether	59	6.053	6.043	0.010	85	6143	0.2214	
22 Acrolein	56	6.417	6.407	0.010	61	5918	0.4470	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	93	34213	0.2195	
24 1,1-Dichloroethene	96	6.498	6.503	-0.005	94	15022	0.2276	
25 Acetone	43	6.733	6.722	0.011	85	95518	1.57	
26 Carbon disulfide	76	6.883	6.888	-0.005	97	34872	0.2158	
27 Isopropyl alcohol	45	7.059	7.038	0.021	88	11154	0.2270	
29 3-Chloro-1-propene	41	7.305	7.305	0.0	72	9237	0.2119	
30 Acetonitrile	41	7.412	7.402	0.010	94	10631	0.4533	
31 Methylene Chloride	49	7.594	7.600	-0.006	82	13559	0.2767	
32 2-Methyl-2-propanol	59	7.856	7.840	0.016	95	16853	0.1930	
33 Methyl tert-butyl ether	73	8.054	8.044	0.010	94	31992	0.2063	
34 trans-1,2-Dichloroethene	61	8.060	8.060	0.0	76	15422	0.2141	
35 Acrylonitrile	53	8.188	8.188	0.0	89	5479	0.2069	M
36 Hexane	57	8.498	8.493	0.005	84	12921	0.2221	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	8.948	8.948	0.0	86	21005	0.1991
	38 Vinyl acetate	43	9.049	9.044	0.005	97	18614	0.1824
	39 cis-1,2-Dichloroethene	96	10.082	10.093	-0.011	85	19187	0.2146
	40 2-Butanone (MEK)	72	10.135	10.141	-0.006	98	13976	0.4624
S	41 1,2-Dichloroethene, Total	61				0		0.4287
	42 Ethyl acetate	88	10.221	10.216	0.005	93	785	0.1714
*	43 Chlorobromomethane	128	10.558	10.563	-0.005	68	693189	10.0
	44 Tetrahydrofuran	42	10.595	10.579	0.016	76	10206	0.2168
	45 Chloroform	83	10.702	10.708	-0.006	96	41579	0.2098
	46 Cyclohexane	84	10.991	10.997	-0.006	63	21357	0.2162
	47 1,1,1-Trichloroethane	97	11.002	11.007	-0.005	88	49882	0.2134
	48 Carbon tetrachloride	117	11.269	11.275	-0.006	94	58162	0.1952
	50 Benzene	78	11.740	11.746	-0.006	93	60856	0.2304
	51 Isooctane	57	11.767	11.767	0.0	98	67023	0.2126
	52 1,2-Dichloroethane	62	11.906	11.917	-0.011	94	28397	0.2154
	53 n-Heptane	43	12.174	12.179	-0.005	90	30950	0.2642
*	54 1,4-Difluorobenzene	114	12.623	12.628	-0.005	91	3958523	10.0
	55 n-Butanol	56	13.040	13.019	0.021	88	12159	0.2690
	56 Trichloroethene	95	13.115	13.115	0.0	92	38256	0.2043
A	57 GRO	1	13.297	4.915 - 21.679		0	10167753	0
	58 1,2-Dichloropropane	63	13.677	13.682	-0.005	90	25800	0.2086
	59 Methyl methacrylate	69	13.880	13.886	-0.006	66	17395	0.1618
	60 1,4-Dioxane	88	13.934	13.918	0.016	40	16244	0.2792
	61 Dibromomethane	174	13.934	13.939	-0.005	93	40138	0.1919
	62 Dichlorobromomethane	83	14.255	14.249	0.006	96	56366	0.1826
A	63 TVOC as Toluene	1	15.022	3.048 - 26.997		0	13401158	46.2
	64 cis-1,3-Dichloropropene	75	15.228	15.234	-0.006	86	39968	0.1901
	65 4-Methyl-2-pentanone (MIBK)	43	15.549	15.533	0.016	92	36730	0.1898
A	67 Toluene Range	1	15.854	15.814 - 15.894		0	233032	NC
	66 Toluene	92	15.849	15.854	-0.005	94	64574	0.2319
A	68 C8 Range	1	15.961	15.917 - 16.017		0	182688	NC
	69 n-Octane	43	15.966	15.967	-0.001	84	44909	0.2216
	70 trans-1,3-Dichloropropene	75	16.443	16.443	0.0	89	39671	0.1853
	71 1,1,2-Trichloroethane	83	16.812	16.817	-0.005	93	30580	0.2192
	72 Tetrachloroethene	166	16.962	16.967	-0.005	97	62640	0.2093
	73 2-Hexanone	43	17.304	17.288	0.016	90	31351	0.1880
	74 Chlorodibromomethane	129	17.587	17.588	-0.001	95	60743	0.1687
	75 Ethylene Dibromide	107	17.866	17.866	0.0	94	53293	0.1898
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	81	3801451	10.0
	77 Chlorobenzene	112	18.850	18.850	0.0	44	84135	0.2083
	78 Ethylbenzene	91	19.010	19.016	-0.006	96	124570	0.2153
	79 n-Nonane	57	19.187	19.182	0.005	83	46544	0.2261
	80 m-Xylene & p-Xylene	106	19.267	19.273	-0.006	99	102596	0.4338
S	82 Xylenes, Total	106				0		0.6503
	83 o-Xylene	106	20.091	20.102	-0.011	81	53436	0.2165
	84 Styrene	104	20.139	20.145	-0.006	96	55566	0.1691
	85 Bromoform	173	20.530	20.530	0.0	96	50174	0.1474
	86 Isopropylbenzene	105	20.765	20.765	0.0	94	145855	0.2146
$	87 4-Bromofluorobenzene	95	21.108	21.108	0.0	98	1925154	NC
	88 1,1,2,2-Tetrachloroethane	83	21.370	21.364	0.006	94	72471	0.2158
	89 1,2,3-Trichloropropane	75	21.461	21.461	0.0	67	50614	0.2275
	90 N-Propylbenzene	91	21.466	21.471	-0.005	98	152735	0.2177

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.653	21.653	0.0	88	117145	0.2052
92 2-Chlorotoluene	91	21.653	21.653	0.0	90	108483	0.2286
93 n-Decane	57	21.669	21.669	0.0	84	55850	0.2666
94 1,3,5-Trimethylbenzene	105	21.755	21.760	-0.005	92	120819	0.2141
95 Alpha Methyl Styrene	118	22.108	22.113	-0.005	92	37350	0.1445
96 tert-Butylbenzene	119	22.236	22.242	-0.006	93	125760	0.2195
97 1,2,4-Trimethylbenzene	105	22.327	22.333	-0.006	93	112524	0.2060
98 sec-Butylbenzene	105	22.563	22.563	0.0	99	177526	0.2229
99 4-Isopropyltoluene	119	22.761	22.761	0.0	95	142104	0.2147
100 1,3-Dichlorobenzene	146	22.777	22.777	0.0	97	55435	0.1634
101 1,4-Dichlorobenzene	146	22.910	22.910	0.0	95	46861	0.1423
102 Benzyl chloride	91	23.103	23.103	0.0	95	46409	0.1329
103 n-Butylbenzene	91	23.338	23.338	0.0	93	95595	0.1835
104 Undecane	57	23.381	23.381	0.0	88	43734	0.1791
105 1,2-Dichlorobenzene	146	23.451	23.451	0.0	95	58851	0.1564
106 Dodecane	57		25.008				
107 1,2,4-Trichlorobenzene	180	26.008	26.013	-0.005	60	12394	0.0617
108 Hexachlorobutadiene	225	26.227	26.227	0.0	87	21199	0.1251
109 Naphthalene	128	26.505	26.500	0.005	89	27183	0.0568
110 1,2,3-Trichlorobenzene	180	27.003	26.987	0.016	16	6724	0.0408

QC Flag Legend

Review Flags
M - Manually Integrated

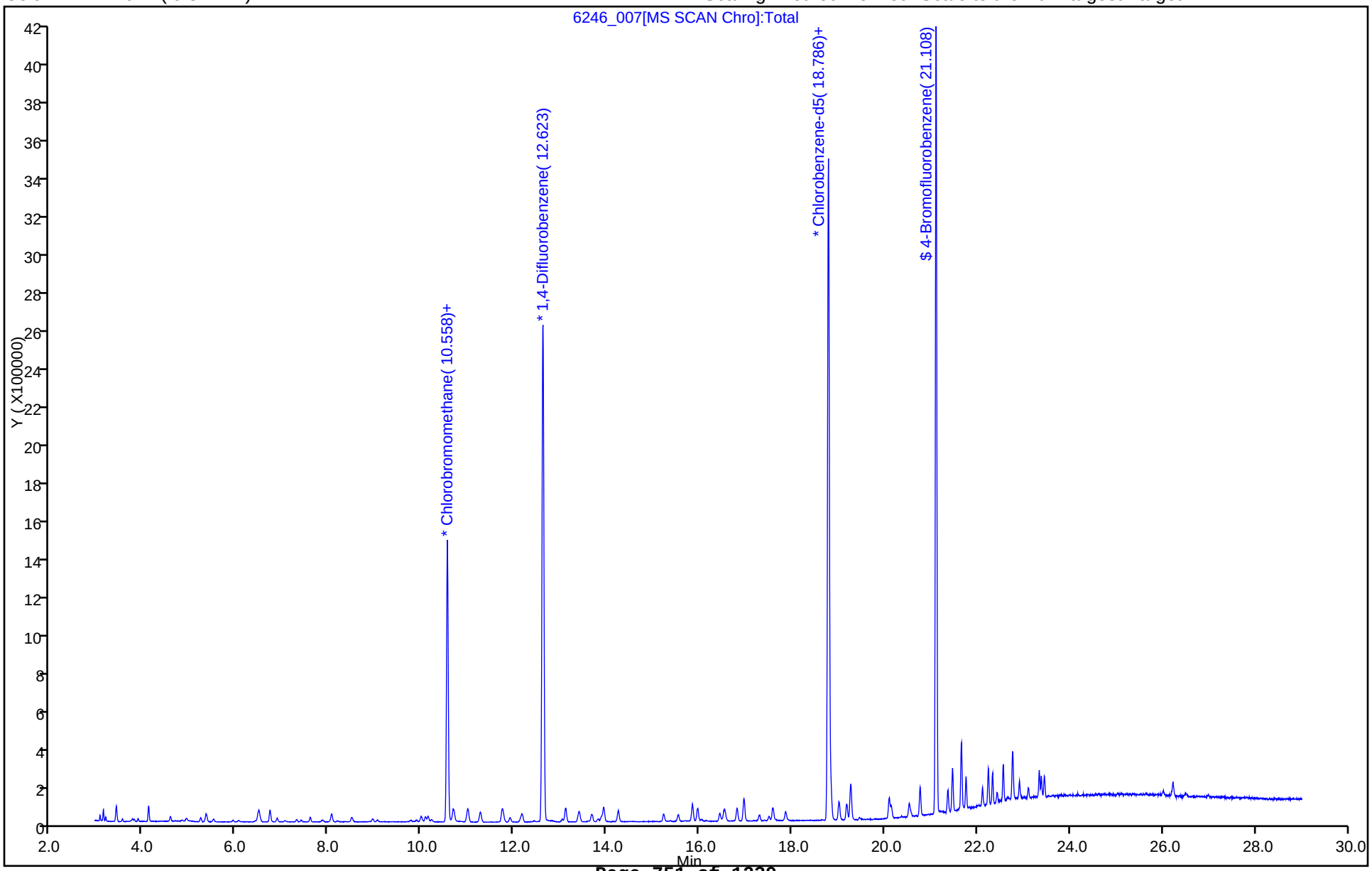
Report Date: 25-Feb-2014 11:44:25 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_007.D

Injection Date:	20-Feb-2014 17:12:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

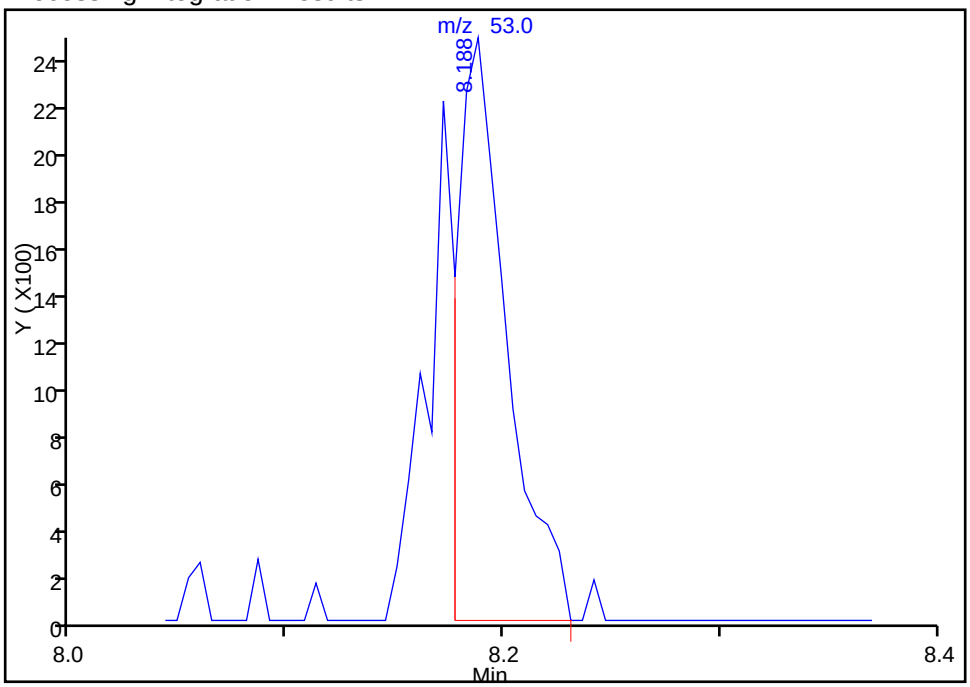
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_007.D				
Injection Date:	20-Feb-2014 17:12:30	Instrument ID:	CHG.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

35 Acrylonitrile, CAS: 107-13-1

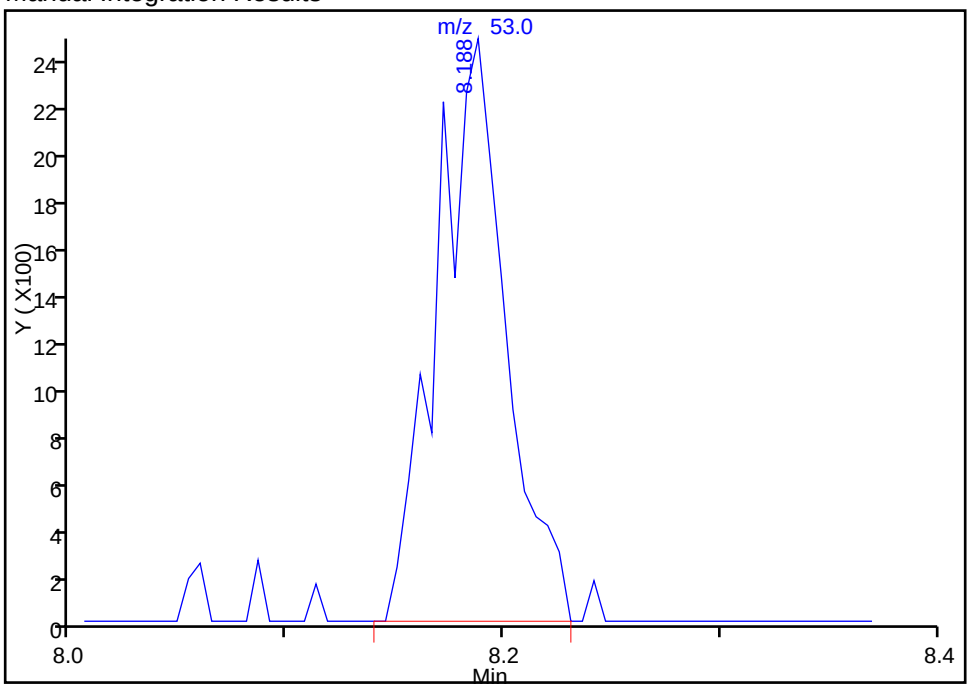
Processing Integration Results

RT: 8.19
Response: 3915
Amount: 0.147855



Manual Integration Results

RT: 8.19
Response: 5479
Amount: 0.206921



Reviewer: daiglep, 21-Feb-2014 11:54:02
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

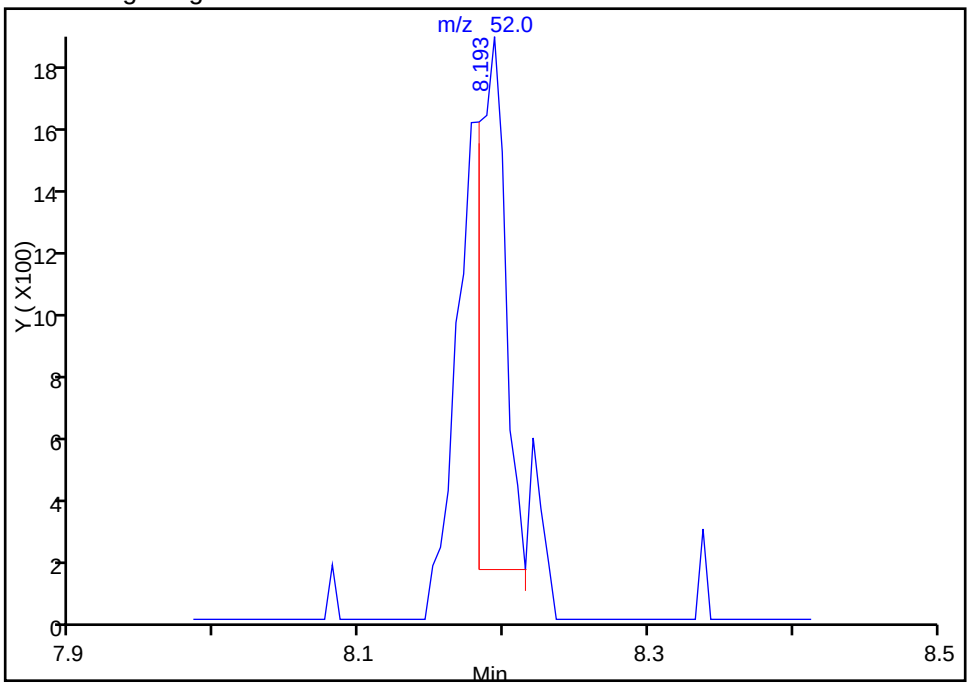
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_007.D				
Injection Date:	20-Feb-2014 17:12:30	Instrument ID:	CHG.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

35 Acrylonitrile, CAS: 107-13-1

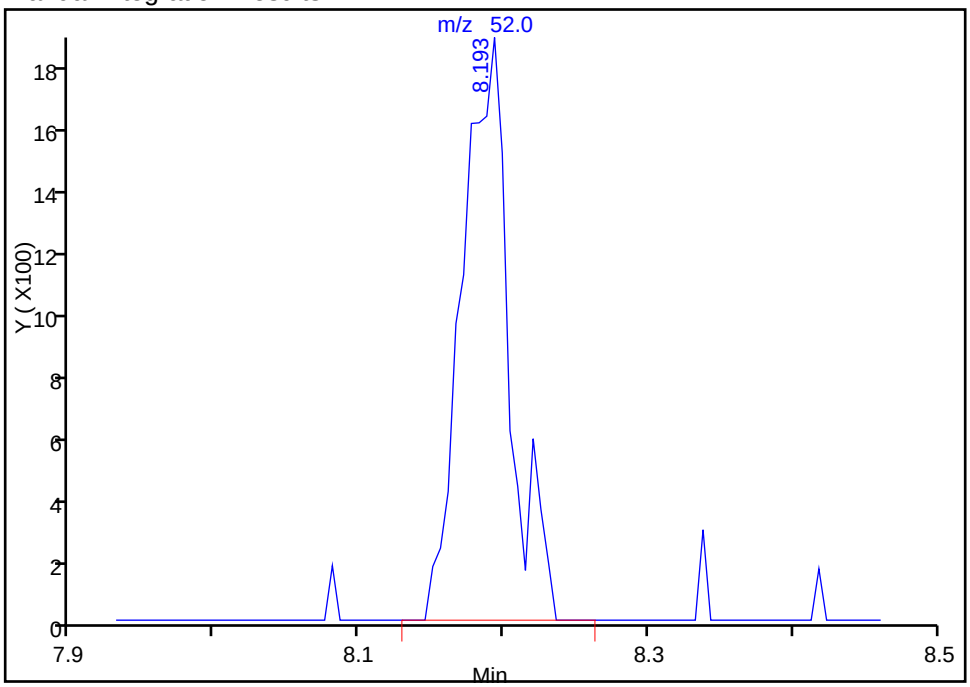
Processing Integration Results

RT: 8.19
Response: 2101
Amount: 0.147855



Manual Integration Results

RT: 8.19
Response: 4216
Amount: 0.206921



Reviewer: daiglep, 21-Feb-2014 11:54:02
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_008.D
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 20-Feb-2014 17:59:30 ALS Bottle#: 3 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-008
Misc. Info.: IC-03
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:44:27 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: daiglep Date: 21-Feb-2014 11:55:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	92	18540	0.5889	
2 Dichlorodifluoromethane	85	3.132	3.127	0.005	88	129063	0.5913	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	93	48538	0.5907	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	88	109804	0.5874	
8 Chloromethane	50	3.539	3.539	0.0	97	25172	0.6075	
9 Butane	43	3.764	3.759	0.005	97	33049	0.6051	
10 Vinyl chloride	62	3.796	3.796	0.0	97	31954	0.5629	
11 Butadiene	54	3.881	3.882	-0.001	92	18097	0.5466	
12 Bromomethane	94	4.582	4.577	0.005	96	46205	0.5717	
14 Chloroethane	64	4.828	4.828	0.0	95	13315	0.5907	
15 2-Methylbutane	43	4.919	4.925	-0.006	85	20397	0.5704	
16 Vinyl bromide	106	5.235	5.235	0.0	95	48611	0.5539	
17 Trichlorofluoromethane	101	5.347	5.353	-0.006	95	143623	0.5761	
18 Pentane	43	5.508	5.508	0.0	96	31896	0.5764	
19 Ethanol	45	5.925	5.925	0.0	95	72194	5.43	
21 Ethyl ether	59	6.048	6.043	0.005	96	14683	0.5272	
22 Acrolein	56	6.406	6.407	-0.001	75	8258	0.6214	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.481	6.476	0.005	95	89704	0.5734	
24 1,1-Dichloroethene	96	6.497	6.503	-0.006	92	38323	0.5786	
25 Acetone	43	6.733	6.722	0.011	85	81985	1.34	
26 Carbon disulfide	76	6.888	6.888	0.0	98	89006	0.5487	
27 Isopropyl alcohol	45	7.048	7.038	0.010	96	26485	0.5369	
29 3-Chloro-1-propene	41	7.305	7.305	0.0	79	23682	0.5412	
30 Acetonitrile	41	7.396	7.402	-0.006	96	16130	0.6853	
31 Methylene Chloride	49	7.594	7.600	-0.006	80	29735	0.6046	
32 2-Methyl-2-propanol	59	7.846	7.840	0.006	97	44674	0.5097	
33 Methyl tert-butyl ether	73	8.049	8.044	0.005	94	85180	0.5472	
34 trans-1,2-Dichloroethene	61	8.060	8.060	0.0	86	40916	0.5660	
35 Acrylonitrile	53	8.177	8.188	-0.011	91	13855	0.5214	
36 Hexane	57	8.488	8.493	-0.005	88	32294	0.5531	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	8.942	8.948	-0.006	97	57010	0.5384
	38 Vinyl acetate	43	9.044	9.044	0.0	99	52203	0.5096
	39 cis-1,2-Dichloroethene	96	10.087	10.093	-0.006	85	50426	0.5620
	40 2-Butanone (MEK)	72	10.135	10.141	-0.006	99	20463	0.6745
S	41 1,2-Dichloroethene, Total	61				0		1.13
	42 Ethyl acetate	88	10.221	10.216	0.005	96	2503	0.5445
*	43 Chlorobromomethane	128	10.558	10.563	-0.005	69	695710	10.0
	44 Tetrahydrofuran	42	10.585	10.579	0.006	49	26382	0.5601
	45 Chloroform	83	10.702	10.708	-0.006	99	114228	0.5743
	46 Cyclohexane	84	11.002	10.997	0.005	63	57411	0.5808
	47 1,1,1-Trichloroethane	97	11.007	11.007	0.0	93	131103	0.5606
	48 Carbon tetrachloride	117	11.269	11.275	-0.006	97	156994	0.5265
	50 Benzene	78	11.740	11.746	-0.006	95	154653	0.5852
	51 Isooctane	57	11.751	11.767	-0.016	97	184696	0.5857
	52 1,2-Dichloroethane	62	11.911	11.917	-0.006	99	72082	0.5463
	53 n-Heptane	43	12.173	12.179	-0.006	84	65839	0.5618
*	54 1,4-Difluorobenzene	114	12.623	12.628	-0.005	91	3960662	10.0
	55 n-Butanol	56	13.040	13.019	0.021	83	22919	0.5067
	56 Trichloroethene	95	13.110	13.115	-0.005	96	102297	0.5459
A	57 GRO	1	13.297	4.915 -	21.679	0	24747907	0
	58 1,2-Dichloropropane	63	13.677	13.682	-0.005	90	70446	0.5693
	59 Methyl methacrylate	69	13.891	13.886	0.005	79	49923	0.4640
	60 1,4-Dioxane	88	13.928	13.918	0.010	42	34891	0.5994
	61 Dibromomethane	174	13.939	13.939	0.0	94	108460	0.5183
	62 Dichlorobromomethane	83	14.254	14.249	0.005	97	161476	0.5227
A	63 TVOC as Toluene	1	15.022	3.048 -	26.997	0	35400867	122.0
	64 cis-1,3-Dichloropropene	75	15.233	15.234	-0.001	87	110337	0.5246
	65 4-Methyl-2-pentanone (MIBK)	43	15.544	15.533	0.011	93	100890	0.5212
	66 Toluene	92	15.854	15.854	0.0	93	165800	0.5846
	69 n-Octane	43	15.961	15.967	-0.006	85	121271	0.5981
	70 trans-1,3-Dichloropropene	75	16.437	16.443	-0.006	92	106208	0.4958
	71 1,1,2-Trichloroethane	83	16.812	16.817	-0.005	95	83539	0.5880
	72 Tetrachloroethene	166	16.961	16.967	-0.006	97	164090	0.5383
	73 2-Hexanone	43	17.293	17.288	0.005	91	82281	0.4845
	74 Chlorodibromomethane	129	17.587	17.588	-0.001	97	182005	0.4964
	75 Ethylene Dibromide	107	17.860	17.866	-0.006	100	151583	0.5300
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	82	3871506	10.0
	77 Chlorobenzene	112	18.845	18.850	-0.005	76	232809	0.5659
	78 Ethylbenzene	91	19.016	19.016	0.0	97	338982	0.5754
	79 n-Nonane	57	19.187	19.182	0.005	84	126136	0.6017
	80 m-Xylene & p-Xylene	106	19.267	19.273	-0.006	100	284857	1.18
S	82 Xylenes, Total	106				0		1.75
	83 o-Xylene	106	20.102	20.102	0.0	95	141475	0.5627
	84 Styrene	104	20.145	20.145	-0.001	97	158543	0.4737
	85 Bromoform	173	20.530	20.530	0.0	97	148133	0.4272
	86 Isopropylbenzene	105	20.765	20.765	0.0	94	403696	0.5831
$	87 4-Bromofluorobenzene	95	21.107	21.108	-0.001	99	2023918	NC
	88 1,1,2,2-Tetrachloroethane	83	21.364	21.364	0.0	96	197660	0.5780
	89 1,2,3-Trichloropropane	75	21.461	21.461	0.0	96	138895	0.6131
	90 N-Propylbenzene	91	21.471	21.471	0.0	99	422680	0.5917
	91 4-Ethyltoluene	105	21.653	21.653	0.0	89	349454	0.6011
	92 2-Chlorotoluene	91	21.653	21.653	0.0	89	305303	0.6318

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane	57	21.664	21.669	-0.005	84	155046	0.7266
94 1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	93	327327	0.5696
95 Alpha Methyl Styrene	118	22.113	22.113	0.0	93	114920	0.4365
96 tert-Butylbenzene	119	22.236	22.242	-0.006	89	342819	0.5875
97 1,2,4-Trimethylbenzene	105	22.327	22.333	-0.006	96	306178	0.5505
98 sec-Butylbenzene	105	22.557	22.563	-0.006	99	489470	0.6034
99 4-Isopropyltoluene	119	22.761	22.761	0.0	94	395550	0.5869
100 1,3-Dichlorobenzene	146	22.777	22.777	0.0	98	159722	0.4623
101 1,4-Dichlorobenzene	146	22.910	22.910	0.0	96	136968	0.4083
102 Benzyl chloride	91	23.103	23.103	0.0	99	134388	0.3779
103 n-Butylbenzene	91	23.338	23.338	0.0	90	281679	0.5309
104 Undecane	57	23.381	23.381	0.0	92	138066	0.5552
105 1,2-Dichlorobenzene	146	23.451	23.451	0.0	98	168371	0.4393
106 Dodecane	57		25.008				
107 1,2,4-Trichlorobenzene	180	26.013	26.013	0.0	90	41123	0.2011
108 Hexachlorobutadiene	225	26.222	26.227	-0.005	88	70423	0.4080
109 Naphthalene	128	26.505	26.500	0.005	98	106015	0.2175
110 1,2,3-Trichlorobenzene	180	26.987	26.987	0.0	87	28868	0.1718

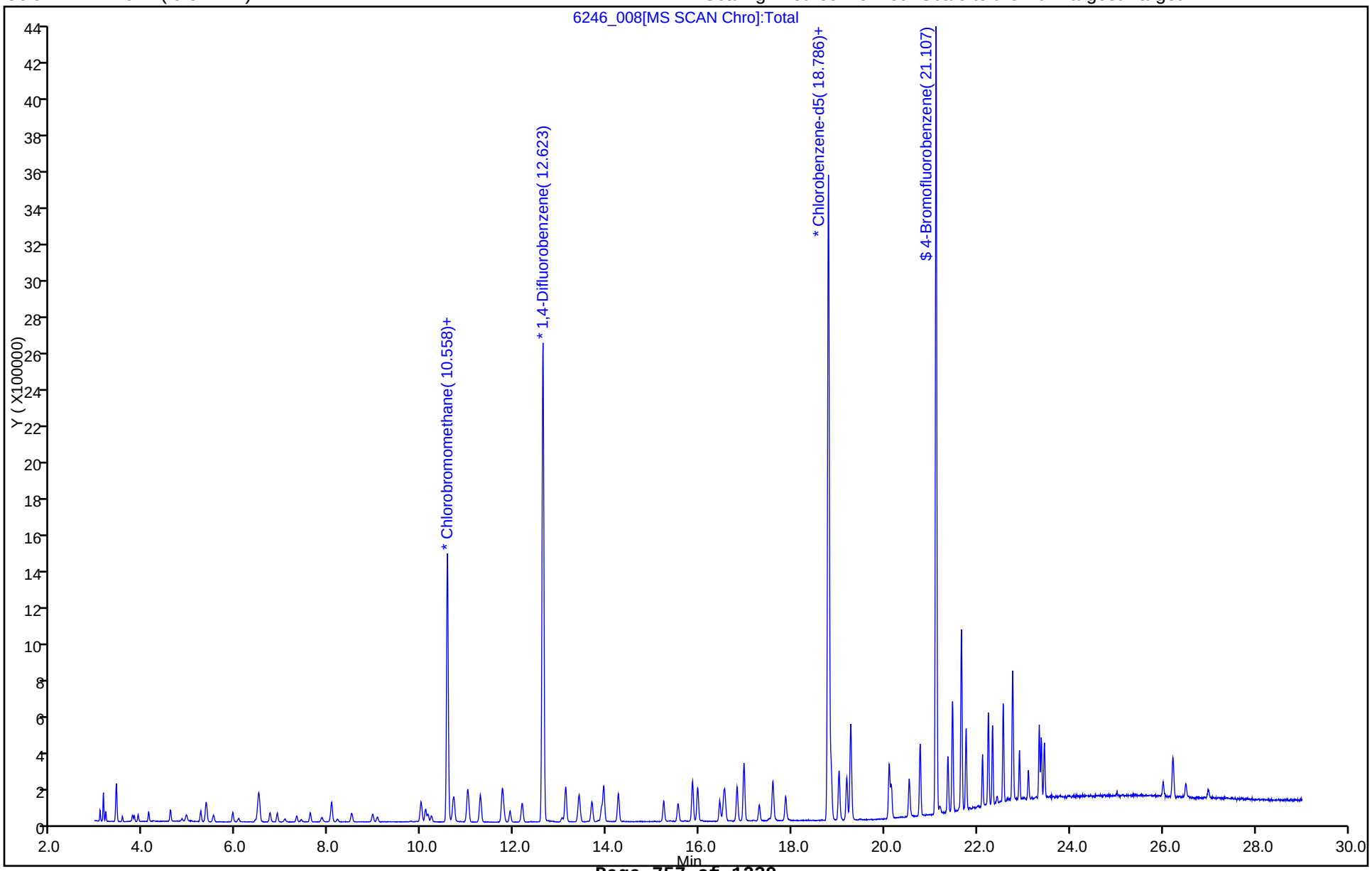
Report Date: 25-Feb-2014 11:44:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_008.D

Injection Date:	20-Feb-2014 17:59:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_009.D
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 20-Feb-2014 18:46:30 ALS Bottle#: 4 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-009
Misc. Info.: IC-04
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:44:30 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: daiglep Date: 21-Feb-2014 11:56:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	97	151117	4.85	
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	99	1208772	5.60	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	94	451729	5.55	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	89	1017902	5.50	
8 Chloromethane	50	3.539	3.539	0.0	99	225318	5.49	
9 Butane	43	3.758	3.759	-0.001	97	300548	5.56	
10 Vinyl chloride	62	3.796	3.796	0.0	97	292452	5.20	
11 Butadiene	54	3.881	3.882	-0.001	93	178903	5.46	
12 Bromomethane	94	4.577	4.577	0.0	98	433178	5.41	
14 Chloroethane	64	4.828	4.828	0.0	99	120029	5.38	
15 2-Methylbutane	43	4.919	4.925	-0.006	86	184884	5.22	
16 Vinyl bromide	106	5.229	5.235	-0.006	97	467389	5.38	
17 Trichlorofluoromethane	101	5.353	5.353	0.0	98	1336944	5.42	
18 Pentane	43	5.508	5.508	0.0	93	302081	5.52	
19 Ethanol	45	5.920	5.925	-0.005	96	136094	10.3	
21 Ethyl ether	59	6.043	6.043	0.0	95	148478	5.39	
22 Acrolein	56	6.401	6.407	-0.006	97	72770	5.53	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.481	6.476	0.005	95	840163	5.43	
24 1,1-Dichloroethene	96	6.497	6.503	-0.006	92	352045	5.37	
25 Acetone	43	6.722	6.722	0.0	86	323029	5.34	
26 Carbon disulfide	76	6.883	6.888	-0.005	98	853634	5.32	
27 Isopropyl alcohol	45	7.038	7.038	0.0	98	285338	5.84	
29 3-Chloro-1-propene	41	7.305	7.305	0.0	83	234040	5.40	
30 Acetonitrile	41	7.401	7.402	-0.001	97	131243	5.63	
31 Methylene Chloride	49	7.599	7.600	-0.001	83	266067	5.47	
32 2-Methyl-2-propanol	59	7.835	7.840	-0.005	98	496490	5.72	
33 Methyl tert-butyl ether	73	8.043	8.044	-0.001	94	834114	5.41	
34 trans-1,2-Dichloroethene	61	8.059	8.060	-0.001	87	392851	5.49	
35 Acrylonitrile	53	8.188	8.188	0.0	93	140952	5.36	
36 Hexane	57	8.493	8.493	0.0	91	307913	5.33	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	8.942	8.948	-0.006	99	554518	5.29
	38 Vinyl acetate	43	9.044	9.044	0.0	99	552395	5.45
	39 cis-1,2-Dichloroethene	96	10.087	10.093	-0.006	92	470673	5.30
	40 2-Butanone (MEK)	72	10.141	10.141	-0.001	98	153510	5.11
S	41 1,2-Dichloroethene, Total	61				0		10.8
	42 Ethyl acetate	88	10.215	10.216	-0.001	98	24618	5.41
*	43 Chlorobromomethane	128	10.563	10.563	0.0	68	688650	10.0
	44 Tetrahydrofuran	42	10.585	10.579	0.006	84	262302	5.59
	45 Chloroform	83	10.708	10.708	0.0	99	1075112	5.46
	46 Cyclohexane	84	10.991	10.997	-0.006	84	533914	5.43
	47 1,1,1-Trichloroethane	97	11.007	11.007	0.0	93	1263234	5.43
	48 Carbon tetrachloride	117	11.275	11.275	0.0	96	1570962	5.29
	50 Benzene	78	11.745	11.746	-0.001	94	1425155	5.42
	51 Isooctane	57	11.761	11.767	-0.006	98	1749112	5.57
	52 1,2-Dichloroethane	62	11.917	11.917	0.0	99	709813	5.40
	53 n-Heptane	43	12.173	12.179	-0.006	86	622697	5.34
*	54 1,4-Difluorobenzene	114	12.623	12.628	-0.005	91	3942454	10.0
	55 n-Butanol	56	13.019	13.019	0.0	85	245970	5.46
	56 Trichloroethene	95	13.110	13.115	-0.005	95	971312	5.21
A	57 GRO	1	13.297	4.915 - 21.679		0	230917399	0
	58 1,2-Dichloropropane	63	13.682	13.682	0.0	92	687104	5.58
	59 Methyl methacrylate	69	13.885	13.886	-0.001	80	599107	5.59
	60 1,4-Dioxane	88	13.923	13.918	0.005	85	363088	6.27
	61 Dibromomethane	174	13.939	13.939	0.0	94	1115046	5.35
	62 Dichlorobromomethane	83	14.249	14.249	0.0	98	1716250	5.58
A	63 TVOC as Toluene	1	15.022	3.048 - 26.997		0	360433426	1247.9
	64 cis-1,3-Dichloropropene	75	15.233	15.234	-0.001	87	1150002	5.49
	65 4-Methyl-2-pentanone (MIBK)	43	15.533	15.533	0.0	93	1090848	5.66
A	67 Toluene Range	1	15.854	15.814 - 15.894		0	5763228	NC
	66 Toluene	92	15.854	15.854	0.0	94	1590379	5.37
A	68 C8 Range	1	15.967	15.917 - 16.017		0	4948147	NC
	69 n-Octane	43	15.961	15.967	-0.006	87	1135415	5.63
	70 trans-1,3-Dichloropropene	75	16.442	16.443	-0.001	93	1168774	5.48
	71 1,1,2-Trichloroethane	83	16.817	16.817	0.0	95	811215	5.47
	72 Tetrachloroethene	166	16.961	16.967	-0.006	97	1627552	5.11
	73 2-Hexanone	43	17.288	17.288	0.0	93	1005814	5.67
	74 Chlorodibromomethane	129	17.587	17.588	-0.001	97	2125782	5.55
	75 Ethylene Dibromide	107	17.865	17.866	-0.001	99	1632564	5.47
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	82	4041821	10.0
	77 Chlorobenzene	112	18.850	18.850	0.0	98	2316460	5.39
	78 Ethylbenzene	91	19.016	19.016	0.0	97	3378545	5.49
	79 n-Nonane	57	19.182	19.182	0.0	83	1241178	5.67
	80 m-Xylene & p-Xylene	106	19.267	19.273	-0.006	99	2800392	11.1
S	82 Xylenes, Total	106				0		16.7
	83 o-Xylene	106	20.102	20.102	0.0	95	1448848	5.52
	84 Styrene	104	20.144	20.145	-0.001	97	1977497	5.66
	85 Bromoform	173	20.530	20.530	0.0	98	2041252	5.64
	86 Isopropylbenzene	105	20.765	20.765	0.0	94	4040344	5.59
$	87 4-Bromofluorobenzene	95	21.107	21.108	-0.001	98	2372950	NC
	88 1,1,2,2-Tetrachloroethane	83	21.364	21.364	0.0	98	2029661	5.68
	89 1,2,3-Trichloropropane	75	21.460	21.461	-0.001	97	1391625	5.88
	90 N-Propylbenzene	91	21.471	21.471	0.0	99	4335173	5.81

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.653	21.653	0.0	89	3601019	5.93
92 2-Chlorotoluene	91	21.653	21.653	0.0	88	2966781	5.88
93 n-Decane	57	21.669	21.669	0.0	83	1387088	6.23
94 1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	93	3339306	5.57
95 Alpha Methyl Styrene	118	22.113	22.113	0.0	90	1589678	5.78
96 tert-Butylbenzene	119	22.242	22.242	0.0	91	3396541	5.58
97 1,2,4-Trimethylbenzene	105	22.332	22.333	-0.001	96	3275586	5.64
98 sec-Butylbenzene	105	22.563	22.563	0.0	99	4896687	5.78
99 4-Isopropyltoluene	119	22.760	22.761	-0.001	95	4107052	5.84
100 1,3-Dichlorobenzene	146	22.777	22.777	-0.001	98	2012775	5.58
101 1,4-Dichlorobenzene	146	22.910	22.910	0.0	96	1864818	5.32
102 Benzyl chloride	91	23.103	23.103	0.0	100	2060431	5.55
103 n-Butylbenzene	91	23.338	23.338	0.0	90	3250065	5.87
104 Undecane	57	23.381	23.381	0.0	91	1613618	6.22
105 1,2-Dichlorobenzene	146	23.451	23.451	0.0	98	2068985	5.17
106 Dodecane	57	25.007	25.008	-0.001	92	206208	5.06
107 1,2,4-Trichlorobenzene	180	26.013	26.013	0.0	94	973721	4.56
108 Hexachlorobutadiene	225	26.227	26.227	0.0	92	1077440	5.98
109 Naphthalene	128	26.505	26.500	0.005	99	2399063	4.71
110 1,2,3-Trichlorobenzene	180	26.987	26.987	0.0	96	959669	5.47

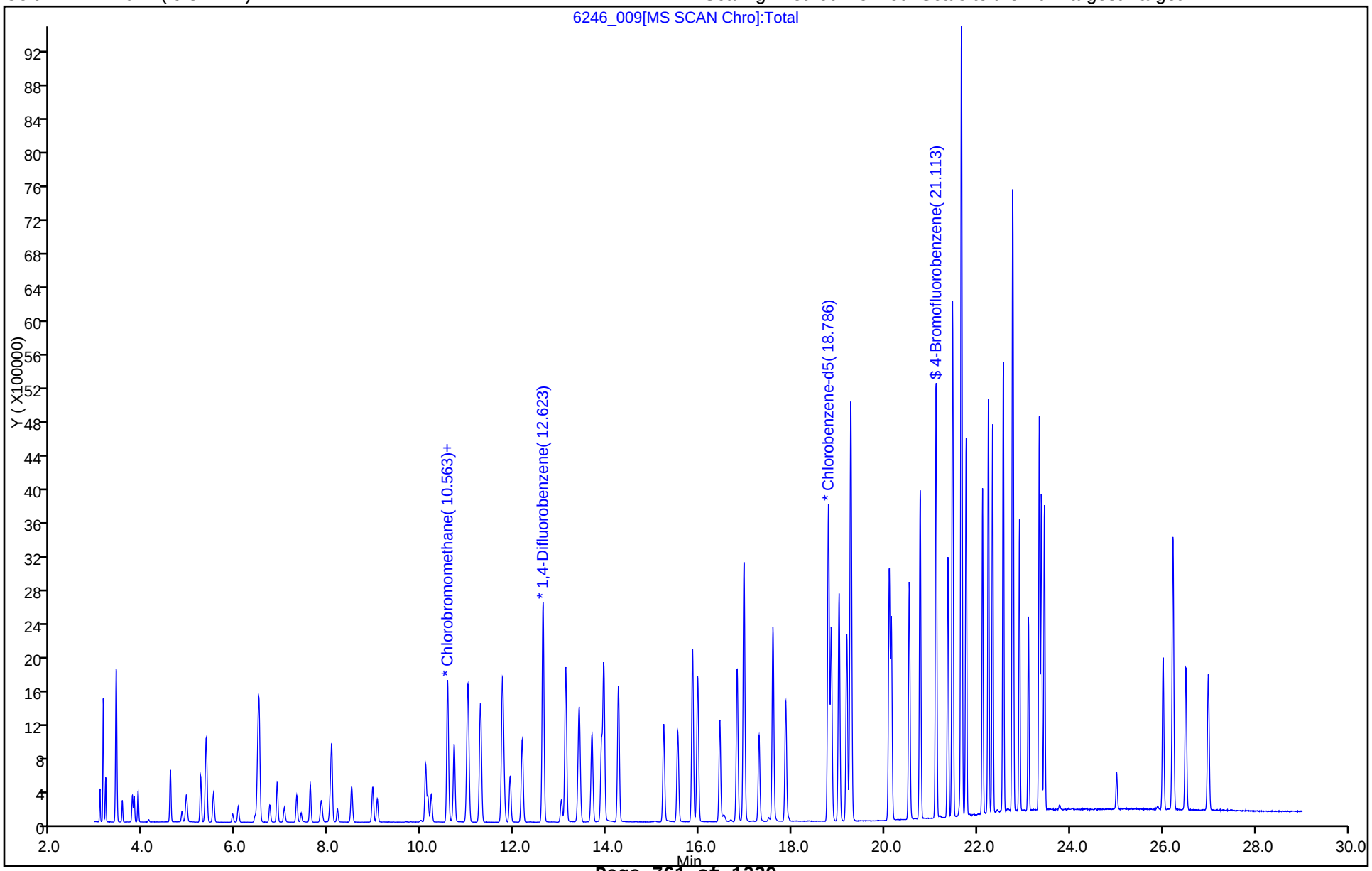
Report Date: 25-Feb-2014 11:44:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_009.D

Injection Date:	20-Feb-2014 18:46:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_010.D
Lims ID: ICIS Lab Sample ID:
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 20-Feb-2014 19:33:30 ALS Bottle#: 5 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-010
Misc. Info.: IC-05
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:43:55 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	98	286297	8.84	
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	99	2259292	10.1	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	82	855933	10.1	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	89	1904928	9.91	
8 Chloromethane	50	3.539	3.539	0.0	99	420154	9.86	
9 Butane	43	3.759	3.759	0.0	97	559089	9.95	
10 Vinyl chloride	62	3.796	3.796	0.0	98	556751	9.54	
11 Butadiene	54	3.882	3.882	0.0	92	339253	9.97	
12 Bromomethane	94	4.577	4.577	0.0	99	823346	9.91	
14 Chloroethane	64	4.828	4.828	0.0	99	229705	9.91	
15 2-Methylbutane	43	4.925	4.925	0.0	87	349976	9.52	
16 Vinyl bromide	106	5.235	5.235	0.0	97	892749	9.89	
17 Trichlorofluoromethane	101	5.353	5.353	0.0	98	2520532	9.83	
18 Pentane	43	5.508	5.508	0.0	93	566844	9.96	
19 Ethanol	45	5.925	5.925	0.0	95	212163	15.5	
21 Ethyl ether	59	6.043	6.043	0.0	94	283148	9.89	
22 Acrolein	56	6.407	6.407	0.0	95	137856	10.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	94	1583677	9.85	
24 1,1-Dichloroethene	96	6.503	6.503	0.0	92	662295	9.73	
25 Acetone	43	6.722	6.722	0.0	86	795436	12.7	
26 Carbon disulfide	76	6.888	6.888	0.0	98	1640891	9.84	
27 Isopropyl alcohol	45	7.038	7.038	0.0	98	549210	10.8	
29 3-Chloro-1-propene	41	7.305	7.305	0.0	83	450082	10.0	
30 Acetonitrile	41	7.402	7.402	0.0	97	248568	10.3	
31 Methylene Chloride	49	7.600	7.600	0.0	81	501054	9.91	
32 2-Methyl-2-propanol	59	7.840	7.840	0.0	98	960229	10.7	
33 Methyl tert-butyl ether	73	8.044	8.044	0.0	93	1607772	10.0	
34 trans-1,2-Dichloroethene	61	8.060	8.060	0.0	88	738091	9.93	
35 Acrylonitrile	53	8.188	8.188	0.0	94	276821	10.1	
36 Hexane	57	8.493	8.493	0.0	91	589981	9.83	
37 1,1-Dichloroethane	63	8.948	8.948	0.0	99	1043330	9.58	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	38 Vinyl acetate	43	9.044	9.044 0.0	99	1081527	10.3	
	39 cis-1,2-Dichloroethene	96	10.093	10.093 0.0	91	906927	9.83	
	40 2-Butanone (MEK)	72	10.141	10.141 0.0	95	301345	9.66	
S	41 1,2-Dichloroethene, Total	61			0		19.8	
	42 Ethyl acetate	88	10.216	10.216 0.0	90	49181	10.4	
*	43 Chlorobromomethane	128	10.563	10.563 0.0	67	715346	10.0	
	44 Tetrahydrofuran	42	10.579	10.579 0.0	85	499970	10.4	
	45 Chloroform	83	10.708	10.708 0.0	99	2032630	9.94	
	46 Cyclohexane	84	10.997	10.997 0.0	60	997051	9.89	
	47 1,1,1-Trichloroethane	97	11.007	11.007 0.0	93	2387389	10.0	
	48 Carbon tetrachloride	117	11.275	11.275 0.0	96	3020168	9.93	
	50 Benzene	78	11.746	11.746 0.0	94	2647780	9.82	
	51 Isooctane	57	11.767	11.767 0.0	98	3226416	10.0	
	52 1,2-Dichloroethane	62	11.917	11.917 0.0	99	1342503	9.97	
	53 n-Heptane	43	12.179	12.179 0.0	85	1141680	9.55	
*	54 1,4-Difluorobenzene	114	12.628	12.628 0.0	91	4040627	10.0	
	55 n-Butanol	56	13.019	13.019 0.0	85	505897	11.0	
	56 Trichloroethene	95	13.115	13.115 0.0	93	1844608	9.65	
A	57 GRO	1	13.297	4.915 - 21.679	0	435114122	0	
	58 1,2-Dichloropropane	63	13.682	13.682 0.0	91	1278379	10.1	
	59 Methyl methacrylate	69	13.886	13.886 0.0	79	1176380	10.7	
	60 1,4-Dioxane	88	13.918	13.918 0.0	59	680611	11.5	
	61 Dibromomethane	174	13.939	13.939 0.0	92	2215033	10.4	
	62 Dichlorobromomethane	83	14.249	14.249 0.0	97	3300205	10.5	
A	63 TVOC as Toluene	1	15.022	3.048 - 26.997	0	694831478	2347.3	
	64 cis-1,3-Dichloropropene	75	15.234	15.234 0.0	87	2221070	10.4	
	65 4-Methyl-2-pentanone (MIBK)	43	15.533	15.533 0.0	93	2051108	10.4	
	66 Toluene	92	15.854	15.854 0.0	92	2998194	9.76	
	69 n-Octane	43	15.967	15.967 0.0	84	2058389	9.95	
	70 trans-1,3-Dichloropropene	75	16.443	16.443 0.0	93	2292877	10.5	
	71 1,1,2-Trichloroethane	83	16.817	16.817 0.0	95	1529284	9.94	
	72 Tetrachloroethene	166	16.967	16.967 0.0	97	3202244	9.70	
	73 2-Hexanone	43	17.288	17.288 0.0	93	1928485	10.5	
	74 Chlorodibromomethane	129	17.588	17.588 0.0	97	4251148	10.7	
	75 Ethylene Dibromide	107	17.866	17.866 0.0	99	3217385	10.4	
*	76 Chlorobenzene-d5	117	18.786	18.786 0.0	81	4191149	10.0	
	77 Chlorobenzene	112	18.850	18.850 0.0	93	4481775	10.1	
	78 Ethylbenzene	91	19.016	19.016 0.0	96	6427281	10.1	
	79 n-Nonane	57	19.182	19.182 0.0	82	2261097	9.96	
	80 m-Xylene & p-Xylene	106	19.273	19.273 0.0	99	5235134	20.1	
S	82 Xylenes, Total	106			0		30.2	
	83 o-Xylene	106	20.102	20.102 0.0	95	2747243	10.1	
	84 Styrene	104	20.145	20.145 0.0	98	3948082	10.9	
	85 Bromoform	173	20.530	20.530 0.0	98	4218739	11.2	
	86 Isopropylbenzene	105	20.765	20.765 0.0	94	7583518	10.1	
$	87 4-Bromofluorobenzene	95	21.108	21.108 0.0	98	2531326	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.364	21.364 0.0	97	3771098	10.2	
	89 1,2,3-Trichloropropane	75	21.461	21.461 0.0	65	2544453	10.4	
	90 N-Propylbenzene	91	21.471	21.471 0.0	99	8017289	10.4	
	92 2-Chlorotoluene	91	21.653	21.653 0.0	88	5276687	10.1	
	91 4-Ethyltoluene	105	21.653	21.653 0.0	89	6545510	10.4	
	93 n-Decane	57	21.669	21.669 0.0	79	2370339	10.3	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
94 1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	93	6375396	10.2
95 Alpha Methyl Styrene	118	22.113	22.113	0.0	90	3226946	11.3
96 tert-Butylbenzene	119	22.242	22.242	0.0	90	6372646	10.1
97 1,2,4-Trimethylbenzene	105	22.333	22.333	0.0	95	6282168	10.4
98 sec-Butylbenzene	105	22.563	22.563	0.0	99	9070536	10.3
99 4-Isopropyltoluene	119	22.761	22.761	0.0	95	7647082	10.5
100 1,3-Dichlorobenzene	146	22.777	22.777	0.0	98	4178465	11.2
101 1,4-Dichlorobenzene	146	22.910	22.910	0.0	96	4104191	11.3
102 Benzyl chloride	91	23.103	23.103	0.0	100	4404416	11.4
103 n-Butylbenzene	91	23.338	23.338	0.0	97	6233885	10.9
104 Undecane	57	23.381	23.381	0.0	88	2967633	11.0
105 1,2-Dichlorobenzene	146	23.451	23.451	0.0	91	4306560	10.4
106 Dodecane	57	25.008	25.008	0.0	92	440445	10.4
107 1,2,4-Trichlorobenzene	180	26.013	26.013	0.0	91	2578741	11.7
108 Hexachlorobutadiene	225	26.227	26.227	0.0	92	2199519	11.8
109 Naphthalene	128	26.500	26.500	0.0	99	6577845	12.5
110 1,2,3-Trichlorobenzene	180	26.987	26.987	0.0	95	2584533	14.2

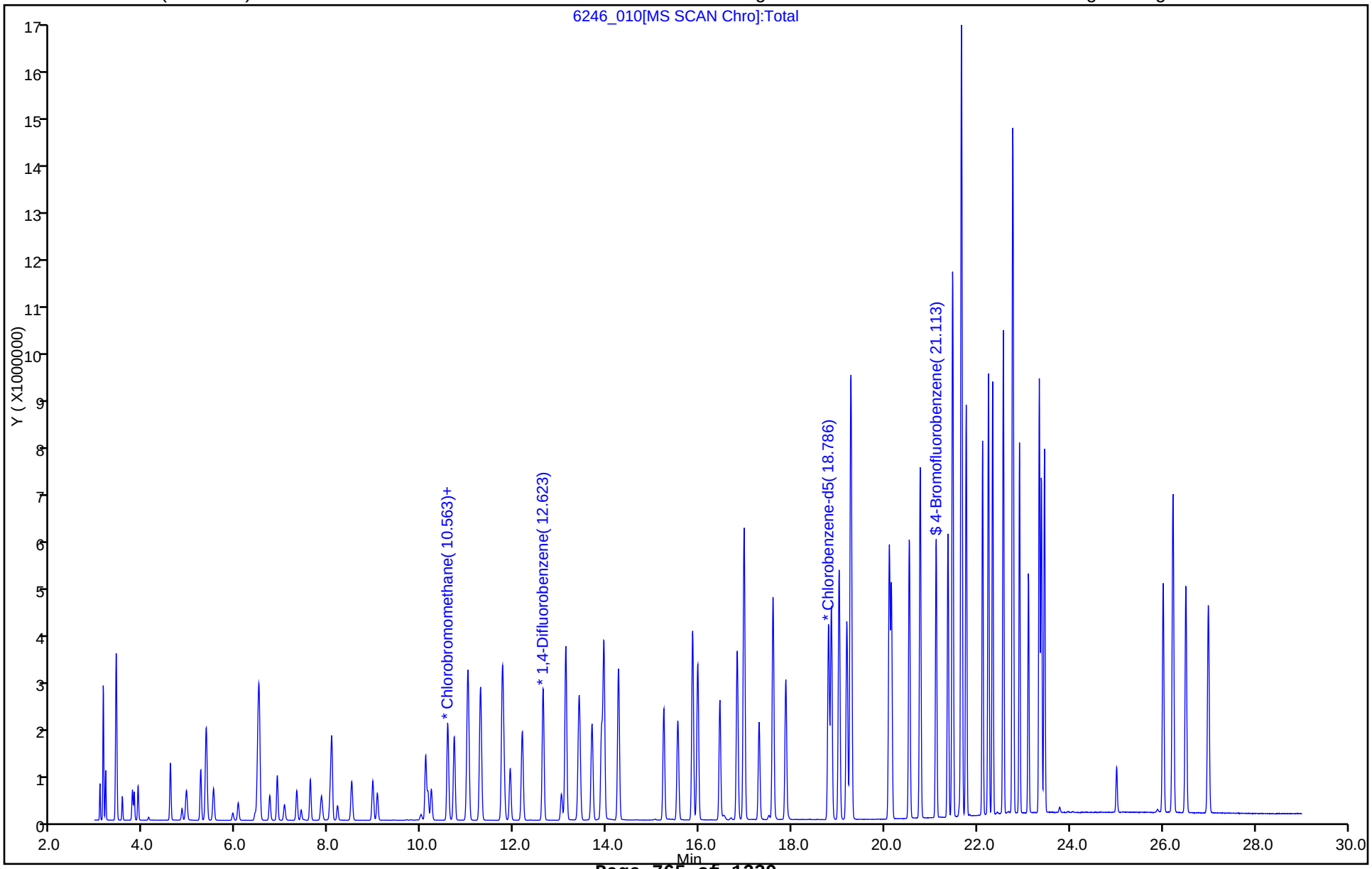
Report Date: 25-Feb-2014 11:43:55 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_010.D

Injection Date:	20-Feb-2014 19:33:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	ICIS	Lab Sample ID:		Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_011.D
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 20-Feb-2014 20:20:30 ALS Bottle#: 6 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-011
Misc. Info.: IC-06
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:44:33 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: daiglep Date: 21-Feb-2014 11:59:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	97	409939	12.6	
2 Dichlorodifluoromethane	85	3.133	3.127	0.006	99	3230850	14.3	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	94	1200735	14.1	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	89	2701745	14.0	
8 Chloromethane	50	3.539	3.539	0.0	99	598384	13.9	
9 Butane	43	3.758	3.759	-0.001	97	806246	14.2	
10 Vinyl chloride	62	3.796	3.796	0.0	97	798226	13.6	
11 Butadiene	54	3.881	3.882	-0.001	92	487180	14.2	
12 Bromomethane	94	4.577	4.577	0.0	98	1183604	14.1	
14 Chloroethane	64	4.828	4.828	0.0	100	335083	14.3	
15 2-Methylbutane	43	4.925	4.925	0.0	86	507695	13.7	
16 Vinyl bromide	106	5.235	5.235	0.0	96	1308520	14.4	
17 Trichlorofluoromethane	101	5.353	5.353	0.0	98	3643540	14.1	
18 Pentane	43	5.513	5.508	0.005	94	823688	14.4	
19 Ethanol	45	5.930	5.925	0.005	97	271826	19.7	
21 Ethyl ether	59	6.043	6.043	0.0	95	415742	14.4	
22 Acrolein	56	6.401	6.407	-0.006	96	201208	14.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	95	2277520	14.1	
24 1,1-Dichloroethene	96	6.503	6.503	0.0	92	947756	13.8	
25 Acetone	43	6.722	6.722	0.0	86	862031	13.6	
26 Carbon disulfide	76	6.888	6.888	0.0	98	2648261	15.8	
27 Isopropyl alcohol	45	7.043	7.038	0.005	98	750208	14.7	
29 3-Chloro-1-propene	41	7.305	7.305	0.0	82	651073	14.4	
30 Acetonitrile	41	7.402	7.402	0.0	98	361566	14.8	
31 Methylene Chloride	49	7.600	7.600	0.0	80	710830	14.0	
32 2-Methyl-2-propanol	59	7.840	7.840	0.0	98	1333072	14.7	
33 Methyl tert-butyl ether	73	8.038	8.044	-0.006	94	2330831	14.5	
34 trans-1,2-Dichloroethene	61	8.065	8.060	0.005	86	1064193	14.2	
35 Acrylonitrile	53	8.188	8.188	0.0	94	404196	14.7	
36 Hexane	57	8.493	8.493	0.0	91	868088	14.4	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	8.948	8.948	0.0	99	1525580	13.9
	38 Vinyl acetate	43	9.049	9.044	0.005	99	1577514	14.9
	39 cis-1,2-Dichloroethene	96	10.092	10.093	-0.001	91	1323299	14.2
	40 2-Butanone (MEK)	72	10.141	10.141	0.0	98	439441	14.0
S	41 1,2-Dichloroethene, Total	61				0		28.4
	42 Ethyl acetate	88	10.216	10.216	0.0	98	70260	14.8
*	43 Chlorobromomethane	128	10.563	10.563	0.0	67	720827	10.0
	44 Tetrahydrofuran	42	10.579	10.579	0.0	81	714991	14.7
	45 Chloroform	83	10.708	10.708	0.0	99	2921953	14.2
	46 Cyclohexane	84	10.997	10.997	0.0	83	1433887	14.0
	47 1,1,1-Trichloroethane	97	11.007	11.007	0.0	95	3437517	14.2
	48 Carbon tetrachloride	117	11.275	11.275	0.0	96	4402582	14.3
	50 Benzene	78	11.746	11.746	0.0	94	3761203	13.8
	51 Isooctane	57	11.767	11.767	0.0	98	4607690	14.1
	52 1,2-Dichloroethane	62	11.911	11.917	-0.006	99	1939265	14.2
	53 n-Heptane	43	12.174	12.179	-0.005	85	1630783	13.5
*	54 1,4-Difluorobenzene	114	12.628	12.628	0.0	91	4092312	10.0
	55 n-Butanol	56	13.024	13.019	0.005	85	698968	15.0
	56 Trichloroethene	95	13.115	13.115	0.0	94	2647845	13.7
A	57 GRO	1	13.297	4.915 -	21.679	0	623166089	0
	58 1,2-Dichloropropane	63	13.682	13.682	0.0	91	1837625	14.4
	59 Methyl methacrylate	69	13.885	13.886	-0.001	79	1684416	15.2
	60 1,4-Dioxane	88	13.918	13.918	0.0	84	881134	14.7
	61 Dibromomethane	174	13.939	13.939	0.0	93	3253569	15.0
	62 Dichlorobromomethane	83	14.255	14.249	0.006	97	4802511	15.0
A	63 TVOC as Toluene	1	15.022	3.048 -	26.997	0	1003475507	3347.1
	64 cis-1,3-Dichloropropene	75	15.234	15.234	0.0	87	3238934	14.9
	65 4-Methyl-2-pentanone (MIBK)	43	15.533	15.533	0.0	92	2941842	14.7
A	67 Toluene Range	1	15.854	15.814 -	15.894	0	15613255	NC
	66 Toluene	92	15.854	15.854	0.0	93	4313082	13.8
A	68 C8 Range	1	15.967	15.917 -	16.017	0	12981707	NC
	69 n-Octane	43	15.961	15.967	-0.006	85	2920702	13.9
	70 trans-1,3-Dichloropropene	75	16.443	16.443	0.0	93	3359685	15.2
	71 1,1,2-Trichloroethane	83	16.817	16.817	0.0	94	2193082	14.0
	72 Tetrachloroethene	166	16.967	16.967	0.0	97	4717288	14.0
	73 2-Hexanone	43	17.288	17.288	0.0	93	2816666	15.0
	74 Chlorodibromomethane	129	17.587	17.588	-0.001	97	6248363	15.5
	75 Ethylene Dibromide	107	17.866	17.866	0.0	99	4686871	14.9
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	80	4267788	10.0
	77 Chlorobenzene	112	18.850	18.850	0.0	98	6544081	14.4
	78 Ethylbenzene	91	19.016	19.016	0.0	96	9224141	14.2
	79 n-Nonane	57	19.182	19.182	0.0	83	3197055	13.8
	80 m-Xylene & p-Xylene	106	19.273	19.273	0.0	99	7470362	28.1
S	82 Xylenes, Total	106				0		42.4
	83 o-Xylene	106	20.102	20.102	0.0	95	3956763	14.3
	84 Styrene	104	20.145	20.145	0.0	97	5731100	15.5
	85 Bromoform	173	20.535	20.530	0.005	98	6318722	16.5
	86 Isopropylbenzene	105	20.765	20.765	0.0	94	10856447	14.2
$	87 4-Bromofluorobenzene	95	21.113	21.108	0.005	98	2590592	NC
	88 1,1,2,2-Tetrachloroethane	83	21.364	21.364	0.0	97	5358285	14.2
	89 1,2,3-Trichloropropane	75	21.461	21.461	0.0	95	3560001	14.3
	90 N-Propylbenzene	91	21.471	21.471	0.0	99	11208613	14.2

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.653	21.653	0.0	89	9049566	14.1
92 2-Chlorotoluene	91	21.653	21.653	0.0	88	7203124	13.5
93 n-Decane	57	21.669	21.669	0.0	82	3118009	13.3
94 1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	93	9119021	14.4
95 Alpha Methyl Styrene	118	22.113	22.113	0.0	91	4729427	16.3
96 tert-Butylbenzene	119	22.242	22.242	0.0	91	9065846	14.1
97 1,2,4-Trimethylbenzene	105	22.333	22.333	0.0	95	9030475	14.7
98 sec-Butylbenzene	105	22.563	22.563	0.0	98	12841290	14.4
99 4-Isopropyltoluene	119	22.761	22.761	0.0	95	10785413	14.5
100 1,3-Dichlorobenzene	146	22.777	22.777	0.0	98	6148441	16.1
101 1,4-Dichlorobenzene	146	22.910	22.910	0.0	96	6246800	16.9
102 Benzyl chloride	91	23.103	23.103	0.0	100	6590225	16.8
103 n-Butylbenzene	91	23.338	23.338	0.0	95	8898136	15.2
104 Undecane	57	23.381	23.381	0.0	90	4109189	15.0
105 1,2-Dichlorobenzene	146	23.451	23.451	0.0	99	6455653	15.3
106 Dodecane	57	25.007	25.008	-0.001	92	771526	17.9
107 1,2,4-Trichlorobenzene	180	26.013	26.013	0.0	94	4105144	18.2
108 Hexachlorobutadiene	225	26.227	26.227	0.0	93	3482315	18.3
109 Naphthalene	128	26.500	26.500	0.0	99	9951278	18.5
110 1,2,3-Trichlorobenzene	180	26.987	26.987	0.0	94	4130531	22.3

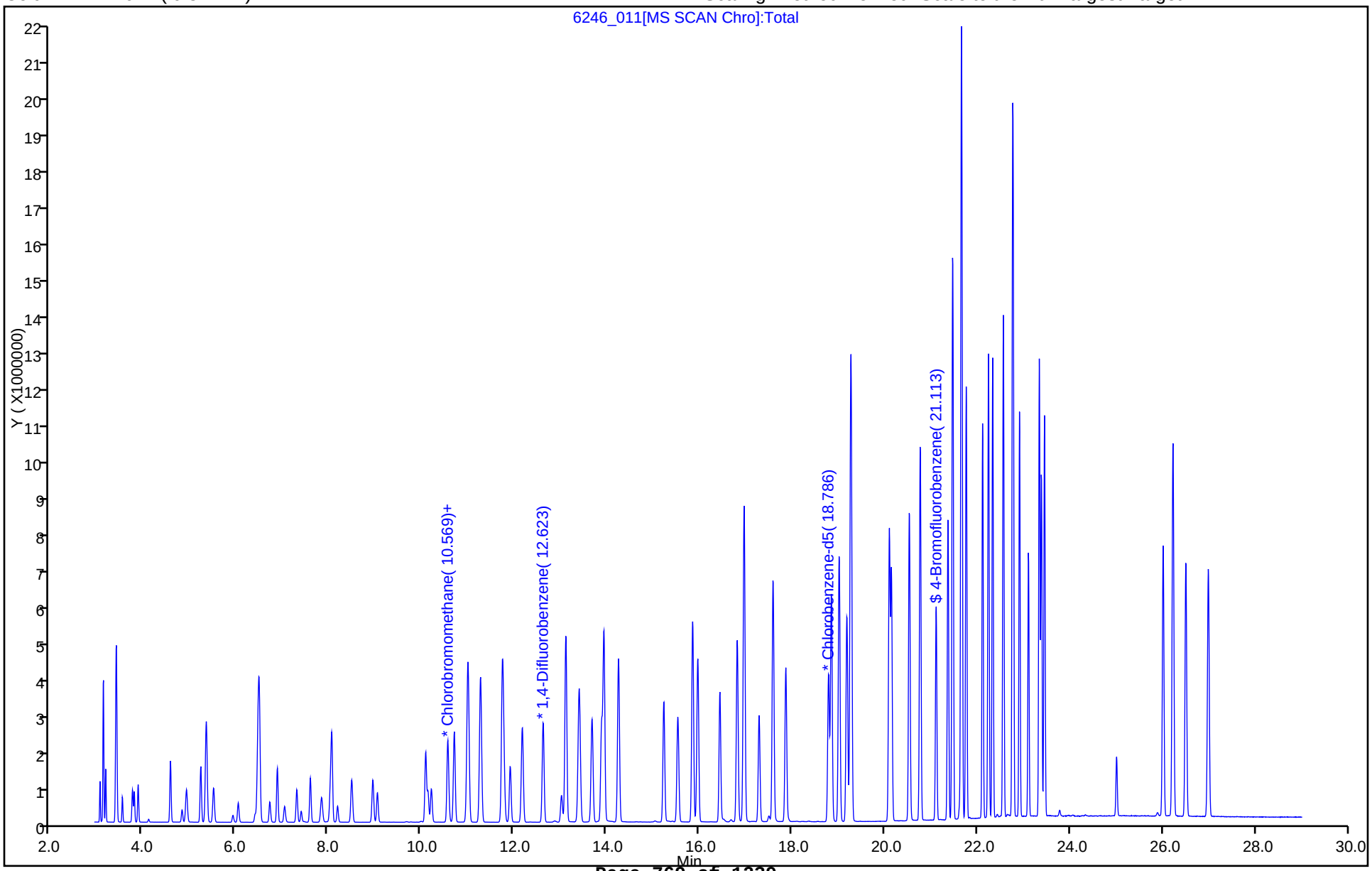
Report Date: 25-Feb-2014 11:44:34 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_011.D

Injection Date:	20-Feb-2014 20:20:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	11
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_012.D
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 20-Feb-2014 21:07:30 ALS Bottle#: 7 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-012
Misc. Info.: IC-07
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:44:37 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: daiglep Date: 21-Feb-2014 12:00:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	97	531626	16.1	
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	99	4181834	18.3	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	94	1577162	18.3	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	88	3501162	17.9	
8 Chloromethane	50	3.539	3.539	0.0	99	798173	18.4	
9 Butane	43	3.758	3.759	-0.001	97	1032909	18.1	
10 Vinyl chloride	62	3.796	3.796	0.0	98	1041015	17.5	
11 Butadiene	54	3.876	3.882	-0.006	93	627561	18.1	
12 Bromomethane	94	4.577	4.577	0.0	98	1556035	18.4	
14 Chloroethane	64	4.828	4.828	0.0	99	438854	18.6	
15 2-Methylbutane	43	4.925	4.925	0.0	88	668334	17.9	
16 Vinyl bromide	106	5.235	5.235	0.0	98	1723153	18.8	
17 Trichlorofluoromethane	101	5.353	5.353	0.0	98	4742944	18.2	
18 Pentane	43	5.508	5.508	0.0	94	1075523	18.6	
19 Ethanol	45	5.930	5.925	0.005	96	539835	38.8	
21 Ethyl ether	59	6.043	6.043	0.0	94	549493	18.8	
22 Acrolein	56	6.406	6.407	-0.001	96	271982	19.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	95	2991683	18.3	
24 1,1-Dichloroethene	96	6.497	6.503	-0.006	93	1261148	18.2	
25 Acetone	43	6.722	6.722	0.0	86	1221169	19.1	
26 Carbon disulfide	76	6.888	6.888	0.0	98	3166898	18.7	
27 Isopropyl alcohol	45	7.043	7.038	0.005	98	971316	18.8	
29 3-Chloro-1-propene	41	7.305	7.305	0.0	82	862409	18.8	
30 Acetonitrile	41	7.401	7.402	-0.001	97	481394	19.5	
31 Methylene Chloride	49	7.599	7.600	-0.001	80	950923	18.5	
32 2-Methyl-2-propanol	59	7.846	7.840	0.006	98	1773174	19.3	
33 Methyl tert-butyl ether	73	8.038	8.044	-0.006	94	3075884	18.9	
34 trans-1,2-Dichloroethene	61	8.065	8.060	0.005	86	1386349	18.3	
35 Acrylonitrile	53	8.183	8.188	-0.005	94	538419	19.4	
36 Hexane	57	8.493	8.493	0.0	90	1123675	18.4	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	8.948	8.948	0.0	99	2007403	18.1
	38 Vinyl acetate	43	9.049	9.044	0.005	99	2087444	19.5
	39 cis-1,2-Dichloroethene	96	10.092	10.093	-0.001	91	1770187	18.8
	40 2-Butanone (MEK)	72	10.141	10.141	0.0	97	570879	18.0
S	41 1,2-Dichloroethene, Total	61				0		37.2
	42 Ethyl acetate	88	10.215	10.216	-0.001	98	94118	19.6
*	43 Chlorobromomethane	128	10.563	10.563	0.0	68	728202	10.0
	44 Tetrahydrofuran	42	10.574	10.579	-0.005	84	939094	19.1
	45 Chloroform	83	10.708	10.708	0.0	99	3835335	18.4
	46 Cyclohexane	84	10.991	10.997	-0.006	82	1884655	18.3
	47 1,1,1-Trichloroethane	97	11.007	11.007	0.0	95	4503954	18.5
	48 Carbon tetrachloride	117	11.275	11.275	0.0	96	5780737	18.6
	50 Benzene	78	11.745	11.746	-0.001	94	4914178	17.9
	51 Isooctane	57	11.762	11.767	-0.005	98	5926650	18.1
	52 1,2-Dichloroethane	62	11.917	11.917	0.0	99	2553638	18.6
	53 n-Heptane	43	12.173	12.179	-0.006	85	2106255	17.3
*	54 1,4-Difluorobenzene	114	12.628	12.628	0.0	91	4123313	10.0
	55 n-Butanol	56	13.024	13.019	0.005	85	894348	19.0
	56 Trichloroethene	95	13.115	13.115	0.0	93	3463198	17.8
A	57 GRO	1	13.297	4.915 - 21.679		0	805887158	0
	58 1,2-Dichloropropane	63	13.682	13.682	0.0	91	2386362	18.5
	59 Methyl methacrylate	69	13.885	13.886	-0.001	80	2202970	19.7
	60 1,4-Dioxane	88	13.917	13.918	-0.001	85	1099302	18.1
	61 Dibromomethane	174	13.939	13.939	0.0	93	4291738	19.7
	62 Dichlorobromomethane	83	14.254	14.249	0.005	97	6281735	19.5
A	63 TVOC as Toluene	1	15.022	3.048 - 26.997		0	1296318295	4291.4
	64 cis-1,3-Dichloropropene	75	15.233	15.234	-0.001	87	4259880	19.5
	65 4-Methyl-2-pentanone (MIBK)	43	15.533	15.533	0.0	92	3837041	19.0
A	67 Toluene Range	1	15.854	15.814 - 15.894		0	20208828	NC
	66 Toluene	92	15.854	15.854	0.0	94	5619306	17.8
A	68 C8 Range	1	15.967	15.917 - 16.017		0	16674071	NC
	69 n-Octane	43	15.966	15.967	-0.001	84	3722407	17.6
	70 trans-1,3-Dichloropropene	75	16.442	16.443	-0.001	92	4446522	19.9
	71 1,1,2-Trichloroethane	83	16.817	16.817	0.0	94	2837907	18.0
	72 Tetrachloroethene	166	16.967	16.967	0.0	96	6221845	18.4
	73 2-Hexanone	43	17.288	17.288	0.0	92	3644308	19.3
	74 Chlorodibromomethane	129	17.593	17.588	0.005	97	8257492	20.3
	75 Ethylene Dibromide	107	17.866	17.866	0.0	99	6200376	19.5
*	76 Chlorobenzene-d5	117	18.791	18.786	0.005	69	4297877	10.0
	77 Chlorobenzene	112	18.850	18.850	0.0	99	8525443	18.7
	78 Ethylbenzene	91	19.016	19.016	0.0	96	11901776	18.2
	79 n-Nonane	57	19.187	19.182	0.005	83	4051815	17.4
	80 m-Xylene & p-Xylene	106	19.272	19.273	-0.001	98	9585988	35.9
S	82 Xylenes, Total	106				0		54.1
	83 o-Xylene	106	20.102	20.102	0.0	96	5089695	18.2
	84 Styrene	104	20.144	20.145	-0.001	97	7581441	20.4
	85 Bromoform	173	20.535	20.530	0.005	98	8318745	21.6
	86 Isopropylbenzene	105	20.770	20.765	0.005	94	13989868	18.2
$	87 4-Bromofluorobenzene	95	21.113	21.108	0.005	98	2618779	NC
	88 1,1,2,2-Tetrachloroethane	83	21.370	21.364	0.006	96	6815546	18.0
	89 1,2,3-Trichloropropane	75	21.461	21.461	-0.001	94	4440353	17.7
	90 N-Propylbenzene	91	21.471	21.471	0.0	99	14025147	17.7

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91	4-Ethyltoluene	105	21.658	21.653	0.005	89	11296239	17.5
92	2-Chlorotoluene	91	21.653	21.653	0.0	88	8920326	16.6
93	n-Decane	57	21.675	21.669	0.005	84	3720783	15.7
94	1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	94	11650765	18.3
95	Alpha Methyl Styrene	118	22.119	22.113	0.006	91	6171333	21.1
96	tert-Butylbenzene	119	22.242	22.242	0.0	91	11610585	17.9
97	1,2,4-Trimethylbenzene	105	22.333	22.333	-0.001	95	11529355	18.7
98	sec-Butylbenzene	105	22.563	22.563	0.0	98	16091123	17.9
99	4-Isopropyltoluene	119	22.760	22.761	-0.001	94	13420123	17.9
100	1,3-Dichlorobenzene	146	22.782	22.777	0.005	99	7948502	20.7
101	1,4-Dichlorobenzene	146	22.910	22.910	0.0	97	8343313	22.4
102	Benzyl chloride	91	23.108	23.103	0.005	100	9009188	22.8
103	n-Butylbenzene	91	23.338	23.338	0.0	96	11235803	19.1
104	Undecane	57	23.386	23.381	0.005	90	5038697	18.3
105	1,2-Dichlorobenzene	146	23.451	23.451	0.0	99	8506718	20.0
106	Dodecane	57	25.007	25.008	-0.001	92	974121	22.5
107	1,2,4-Trichlorobenzene	180	26.013	26.013	0.0	91	5549938	24.5
108	Hexachlorobutadiene	225	26.227	26.227	0.0	93	4561824	23.8
109	Naphthalene	128	26.505	26.500	0.005	99	12509910	23.1
110	1,2,3-Trichlorobenzene	180	26.987	26.987	0.0	96	5493601	29.5

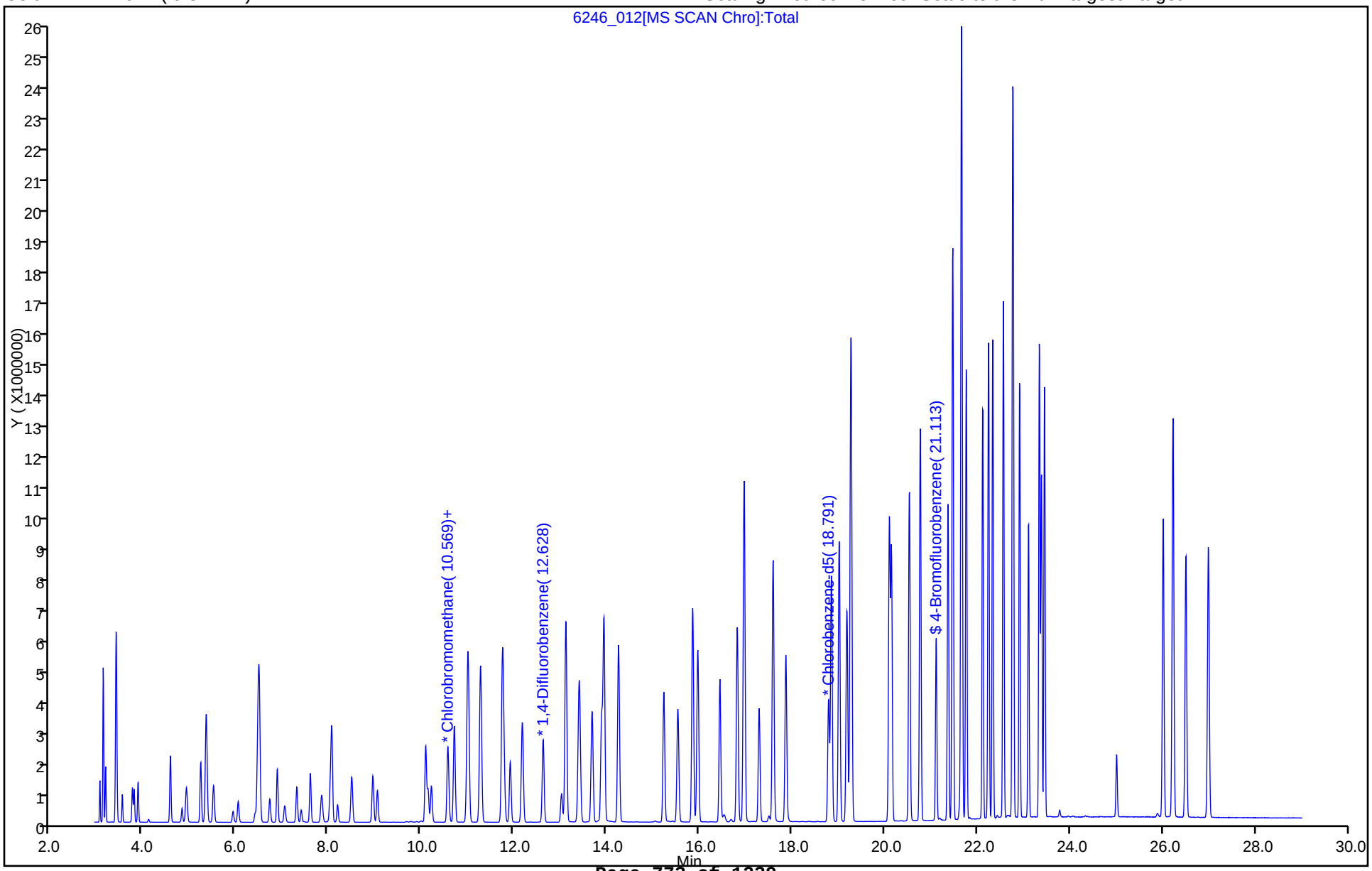
Report Date: 25-Feb-2014 11:44:38 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_012.D

Injection Date:	20-Feb-2014 21:07:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	12
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 20-Feb-2014 21:54:30 ALS Bottle#: 8 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-013
Misc. Info.: IC-08
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:44:41 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: daiglep Date: 21-Feb-2014 12:02:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	97	983061	29.7	
2 Dichlorodifluoromethane	85	3.133	3.127	0.006	98	7546057	32.9	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	82	2888804	33.5	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	88	6314979	32.2	
8 Chloromethane	50	3.539	3.539	0.0	99	1479893	34.0	
9 Butane	43	3.759	3.759	0.0	96	1901790	33.1	
10 Vinyl chloride	62	3.796	3.796	0.0	97	1930472	32.4	
11 Butadiene	54	3.882	3.882	0.0	91	1176646	33.8	
12 Bromomethane	94	4.582	4.577	0.005	98	2895032	34.1	
14 Chloroethane	64	4.834	4.828	0.006	100	818413	34.6	
15 2-Methylbutane	43	4.930	4.925	0.005	87	1237978	33.0	
16 Vinyl bromide	106	5.235	5.235	0.0	97	3260069	35.4	
17 Trichlorofluoromethane	101	5.353	5.353	0.0	98	8775338	33.5	
18 Pentane	43	5.513	5.508	0.005	92	2001506	34.4	
19 Ethanol	45	5.941	5.925	0.016	96	1243817	89.1	
21 Ethyl ether	59	6.043	6.043	0.0	89	1019836	34.9	
22 Acrolein	56	6.407	6.407	0.0	95	519709	37.2	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.482	6.476	0.006	94	5503611	33.5	
24 1,1-Dichloroethene	96	6.503	6.503	0.0	91	2307432	33.2	
25 Acetone	43	6.728	6.722	0.006	81	2063546	32.1	
26 Carbon disulfide	76	6.888	6.888	0.0	98	5940319	34.9	
27 Isopropyl alcohol	45	7.059	7.038	0.021	98	1713889	33.1	
29 3-Chloro-1-propene	41	7.311	7.305	0.006	82	1618104	35.2	
30 Acetonitrile	41	7.407	7.402	0.005	97	869306	35.2	
31 Methylene Chloride	49	7.600	7.600	0.0	80	1761297	34.1	
32 2-Methyl-2-propanol	59	7.856	7.840	0.016	98	3104259	33.7	
33 Methyl tert-butyl ether	73	8.044	8.044	0.0	93	5761697	35.2	
34 trans-1,2-Dichloroethene	61	8.070	8.060	0.010	86	2563803	33.8	
35 Acrylonitrile	53	8.193	8.188	0.005	94	1033037	37.0	
36 Hexane	57	8.498	8.493	0.005	90	2110178	34.4	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	8.953	8.948	0.005	99	3777110	34.0
	38 Vinyl acetate	43	9.049	9.044	0.005	99	3948444	36.7
	39 cis-1,2-Dichloroethene	96	10.093	10.093	0.0	91	3280795	34.8
	40 2-Butanone (MEK)	72	10.146	10.141	0.005	86	1059095	33.2
S	41 1,2-Dichloroethene, Total	61				0		68.6
	42 Ethyl acetate	88	10.216	10.216	0.0	90	176622	36.6
*	43 Chlorobromomethane	128	10.563	10.563	0.0	68	730832	10.0
	44 Tetrahydrofuran	42	10.579	10.579	0.0	81	1745766	36.1
	45 Chloroform	83	10.713	10.708	0.005	98	7116385	34.1
	46 Cyclohexane	84	10.997	10.997	0.0	61	3386982	33.4
	47 1,1,1-Trichloroethane	97	11.013	11.007	0.006	94	8206833	34.2
	48 Carbon tetrachloride	117	11.280	11.275	0.005	96	10788406	35.2
	50 Benzene	78	11.751	11.746	0.005	93	8715559	32.1
	51 Isooctane	57	11.767	11.767	0.0	98	10425438	32.2
	52 1,2-Dichloroethane	62	11.922	11.917	0.005	99	4747119	35.0
	53 n-Heptane	43	12.179	12.179	0.0	85	3727378	31.0
*	54 1,4-Difluorobenzene	114	12.628	12.628	0.0	91	4068845	10.0
	55 n-Butanol	56	13.030	13.019	0.011	84	1602361	34.5
	56 Trichloroethene	95	13.121	13.115	0.006	93	6239533	32.4
A	57 GRO	1	13.297	4.915 - 21.679		0	1419730756	0
	58 1,2-Dichloropropane	63	13.688	13.682	0.006	90	4309146	33.9
	59 Methyl methacrylate	69	13.891	13.886	0.005	79	3921743	35.5
	60 1,4-Dioxane	88	13.923	13.918	0.005	48	1709373	28.6
	61 Dibromomethane	174	13.944	13.939	0.005	89	7808407	36.3
	62 Dichlorobromomethane	83	14.260	14.249	0.011	96	11414848	36.0
A	63 TVOC as Toluene	1	15.022	3.048 - 26.997		0	2240781938	7517.3
	64 cis-1,3-Dichloropropene	75	15.234	15.234	0.0	87	7786571	36.0
	65 4-Methyl-2-pentanone (MIBK)	43	15.544	15.533	0.011	92	6786028	34.1
A	67 Toluene Range	1	15.854	15.814 - 15.894		0	35957719	NC
	66 Toluene	92	15.860	15.854	0.006	93	10062727	32.4
A	68 C8 Range	1	15.967	15.917 - 16.017		0	28916699	NC
	69 n-Octane	43	15.967	15.967	0.0	82	6377605	30.6
	70 trans-1,3-Dichloropropene	75	16.448	16.443	0.005	92	8172557	37.1
	71 1,1,2-Trichloroethane	83	16.823	16.817	0.005	93	5024630	32.3
	72 Tetrachloroethene	166	16.972	16.967	0.005	96	11257293	33.7
	73 2-Hexanone	43	17.293	17.288	0.005	92	6517803	35.1
	74 Chlorodibromomethane	129	17.598	17.588	0.010	97	15043588	37.5
	75 Ethylene Dibromide	107	17.871	17.866	0.005	100	11168909	35.7
*	76 Chlorobenzene-d5	117	18.791	18.786	0.005	64	4236628	10.0
	77 Chlorobenzene	112	18.855	18.850	0.005	99	15274499	33.9
	78 Ethylbenzene	91	19.021	19.016	0.005	96	20917158	32.4
	79 n-Nonane	57	19.187	19.182	0.005	81	6823424	29.7
	80 m-Xylene & p-Xylene	106	19.278	19.273	0.005	95	16500183	62.6
S	82 Xylenes, Total	106				0		95.3
	83 o-Xylene	106	20.107	20.102	0.005	96	8987903	32.7
	84 Styrene	104	20.150	20.145	0.005	97	13641554	37.2
	85 Bromoform	173	20.535	20.530	0.005	98	14797457	39.0
	86 Isopropylbenzene	105	20.765	20.765	0.0	94	23458205	31.0
$	87 4-Bromofluorobenzene	95	21.113	21.108	0.005	98	2631276	NC
	88 1,1,2,2-Tetrachloroethane	83	21.370	21.364	0.006	95	11463767	30.6
	89 1,2,3-Trichloropropane	75	21.466	21.461	0.005	58	7193533	29.0
	90 N-Propylbenzene	91	21.471	21.471	0.0	96	21799286	27.9

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.659	21.653	0.006	89	18568014	29.2
92 2-Chlorotoluene	91	21.659	21.653	0.006	88	14316837	27.1
93 n-Decane	57	21.680	21.669	0.011	81	5657115	24.2
94 1,3,5-Trimethylbenzene	105	21.766	21.760	0.006	95	19639345	31.2
95 Alpha Methyl Styrene	118	22.119	22.113	0.006	91	11214255	38.9
96 tert-Butylbenzene	119	22.247	22.242	0.005	90	19659345	30.8
97 1,2,4-Trimethylbenzene	105	22.333	22.333	0.0	94	19055651	31.3
98 sec-Butylbenzene	105	22.557	22.563	-0.006	96	22732453	25.6
99 4-Isopropyltoluene	119	22.755	22.761	-0.006	94	19892235	27.0
100 1,3-Dichlorobenzene	146	22.782	22.777	0.005	97	13818690	36.5
101 1,4-Dichlorobenzene	146	22.916	22.910	0.006	95	15149869	41.3
102 Benzyl chloride	91	23.108	23.103	0.005	99	16568250	42.6
103 n-Butylbenzene	91	23.344	23.338	0.006	93	18457704	31.8
104 Undecane	57	23.387	23.381	0.006	86	8063472	29.6
105 1,2-Dichlorobenzene	146	23.456	23.451	0.005	90	15220896	36.3
106 Dodecane	57	25.008	25.008	0.0	92	1062315	24.9
107 1,2,4-Trichlorobenzene	180	26.019	26.013	0.006	93	9680944	43.3
108 Hexachlorobutadiene	225	26.227	26.227	0.0	92	5860214	31.0
109 Naphthalene	128	26.505	26.500	0.005	99	21001143	39.4
110 1,2,3-Trichlorobenzene	180	26.992	26.987	0.005	96	7183636	39.1

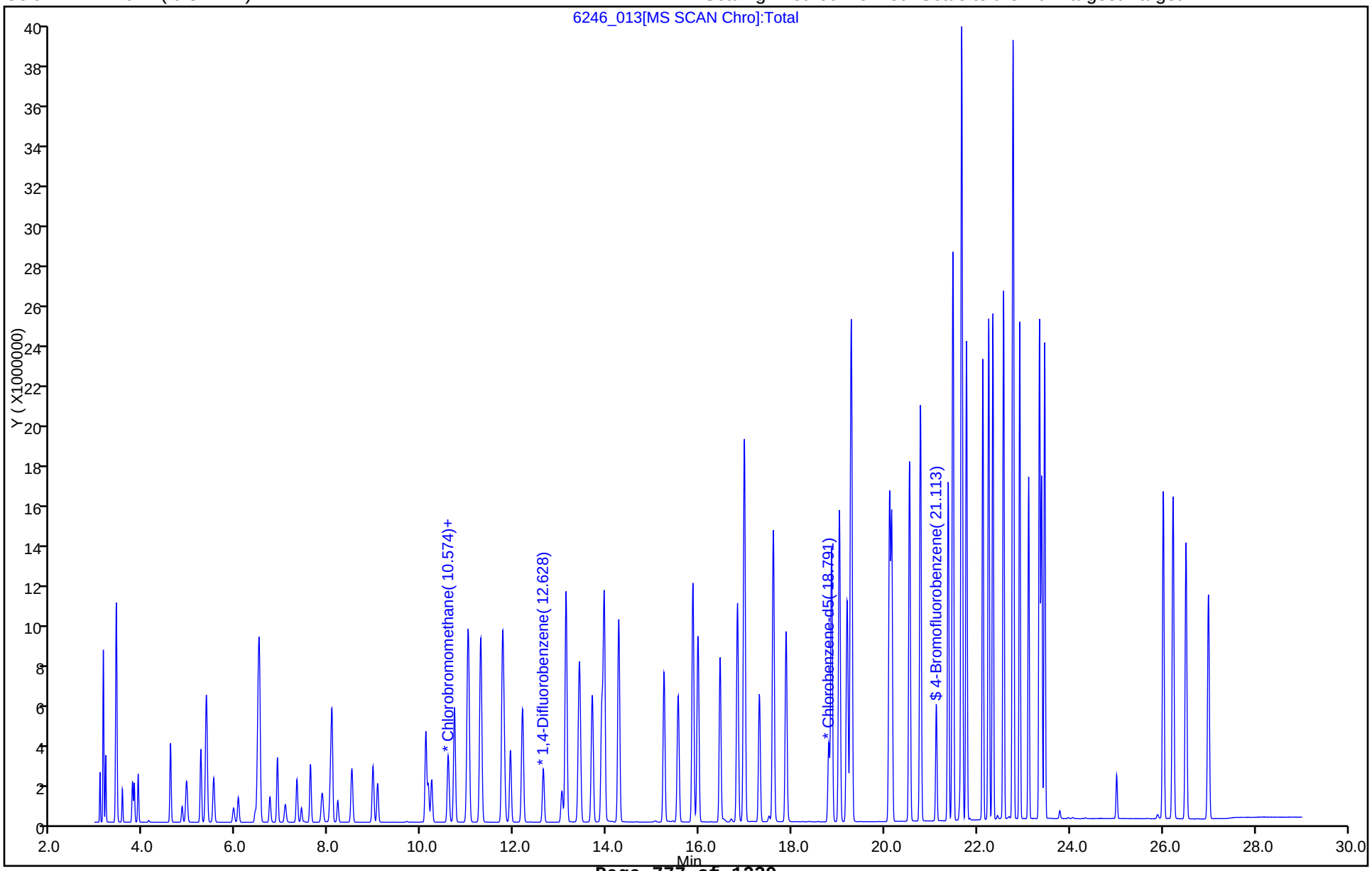
Report Date: 25-Feb-2014 11:44:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Injection Date:	20-Feb-2014 21:54:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	13
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68234

SDG No.: 200-20955-1

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-68234/4	6101_004.d
Level 2	IC 200-68234/5	6101_005.d
Level 3	IC 200-68234/6	6101_006.d
Level 4	IC 200-68234/7	6101_007.d
Level 5	ICIS 200-68234/8	6101_008.d
Level 6	IC 200-68234/9	6101_009.d
Level 7	IC 200-68234/10	6101_010.d
Level 8	IC 200-68234/11	6101_011.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.6294	+++++ 0.6005	0.7612 0.5795	0.7042	0.6858	Ave		0.6601				10.0		30.0			
Freon 12	+++++ 4.3690	+++++ 4.0983	5.3945 3.8142	5.0215	4.7439	Ave		4.5735				13.0		30.0			
Freon 22	+++++ 1.6610	+++++ 1.5826	1.9840 1.5227	1.8515	1.7934	Ave		1.7325				10.0		30.0			
Freon-114	+++++ 3.5664	5.0122 3.3414	4.3260 3.1369	4.0359	3.8799	Ave		3.8998				16.0		30.0			
Chloromethane	+++++ 0.7437	+++++ 0.7184	0.9058 0.7076	0.8386	0.8095	Ave		0.7873				9.9		30.0			
n-Butane	+++++ 1.2795	+++++ 1.2234	1.3155 1.1895	1.3115	1.3348	Ave		1.2757				4.5		30.0			
Vinyl chloride	1.3892 1.0569	1.3184 1.0251	1.0925 0.9932	1.1074	1.0789	Ave		1.1327				13.0		30.0			
1,3-Butadiene	+++++ 0.7091	0.7358 0.6905	0.6461 0.6679	0.7193	0.7091	Ave		0.6968				4.5		30.0			
Bromomethane	+++++ 1.0481	1.5278 1.0801	1.2106 1.0258	1.1890	1.1185	Ave		1.1714				15.0		30.0			
Chloroethane	+++++ 0.5782	+++++ 0.5731	0.6645 0.5700	0.6278	0.6028	Ave		0.6027				6.2		30.0			
Isopentane	+++++ 0.9338	1.1843 0.9163	0.9584 0.8875	0.9726	0.9615	Ave		0.9735				10.0		30.0			
Vinyl bromide	+++++ 1.5391	1.7161 1.4821	1.5083 1.4343	1.6162	1.6319	Ave		1.5611				6.3		30.0			
Freon 11	+++++ 4.6839	6.5595 4.4690	5.5889 4.2756	5.2645	5.0430	Ave		5.1263				15.0		30.0			
n-Pentane	+++++ 1.4023	+++++ 1.3348	1.2199 1.3000	1.4499	1.4794	Ave		1.3644				7.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68234

SDG No.: 200-20955-1

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.2920	+++++ 0.2841	0.2909 0.2764	0.2713	0.3009	Ave		0.2860				3.8		30.0			
Ethyl ether	+++++ 0.7351	0.6622 0.7136	0.6596 0.7048	0.7564	0.7651	Ave		0.7138				5.9		30.0			
Acrolein	+++++ 0.3004	+++++ 0.2940	+++++ 0.2796	0.3153	0.3109	Ave		0.3000				4.7		30.0			
Freon 113	+++++ 2.9166	4.2091 2.7567	3.4698 2.6038	3.3246	3.1761	Ave		3.2081				17.0		30.0			
1,1-Dichloroethene	+++++ 1.3632	1.4753 1.3070	1.3349 1.2606	1.4566	1.4743	Ave		1.3817				6.3		30.0			
Acetone	+++++ 1.4238	+++++ 1.4444	+++++ 1.2845	1.6113	1.4963	Ave		1.4521				8.2		30.0			
Carbon disulfide	+++++ 3.2832	+++++ 2.9345	3.3491 2.8672	3.4191	3.2429	Ave		3.1827				7.1		30.0			
Isopropyl alcohol	+++++ 1.2162	+++++ 1.1815	+++++ 1.1090	1.3023	1.2739	Ave		1.2166				6.3		30.0			
Allyl chloride	+++++ 1.0487	0.9286 1.0252	0.7433 1.0106	1.0390	1.0832	Ave		0.9827				12.0		30.0			
Acetonitrile	+++++ 0.5199	+++++ 0.5140	+++++ 0.4880	0.5862	0.5529	Ave		0.5322				7.1		30.0			
Methylene Chloride	+++++ 0.9409	+++++ 0.9123	1.2419 0.9033	1.0592	1.0090	Ave		1.0111				13.0		30.0			
tert-Butyl alcohol	+++++ 2.2557	+++++ 2.2155	+++++ 2.0781	2.2015	2.2870	Ave		2.2076				3.6		30.0			
Methyl tert-butyl ether	+++++ 4.0091	3.0435 3.8886	2.8398 3.7418	4.0343	4.0513	Ave		3.6583				14.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.6344	1.7595 1.5639	1.6684 1.5220	1.7833	1.7293	Ave		1.6658				5.9		30.0			
Acrylonitrile	+++++ 0.6283	+++++ 0.6063	0.5660 0.6093	0.6573	0.6504	Ave		0.6196				5.4		30.0			
Hexane	+++++ 1.5043	1.1190 1.4572	1.1448 1.4113	1.5878	1.5729	Ave		1.3996				14.0		30.0			
1,1-Dichloroethane	2.7266 2.0173	2.7546 1.9640	2.2001 1.9206	2.2209	2.1320	Ave		2.2420				15.0		30.0			
Vinyl acetate	+++++ 2.2149	+++++ 2.1877	1.4626 2.1148	2.2320	2.2863	Ave		2.0831				15.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.4436	1.4098 1.4356	1.4144 1.3757	1.5912	1.5451	Ave		1.4593				5.4		30.0			
Methyl Ethyl Ketone	+++++ 0.5902	+++++ 0.5776	0.7215 0.5405	0.6347	0.6245	Ave		0.6148				10.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68234

SDG No.: 200-20955-1

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1190	+++++ 0.1151	+++++ 0.1131	0.1270	0.1233	Ave		0.1195				4.8		30.0			
Tetrahydrofuran	+++++ 0.1860	+++++ 0.1851	+++++ 0.1771	0.1996	0.1984	Ave		0.1892				5.1		30.0			
Chloroform	+++++ 3.0732	4.1322 3.0105	3.6218 2.8781	3.4517	3.2894	Ave		3.3510				13.0		30.0			
Cyclohexane	+++++ 0.3809	0.3154 0.3730	0.3081 0.3424	0.4205	0.4154	Ave		0.3651				12.0		30.0			
1,1,1-Trichloroethane	+++++ 0.7852	0.9829 0.7696	0.8468 0.7201	0.8838	0.8545	Ave		0.8347				10.0		30.0			
Carbon tetrachloride	1.1713 0.8663	1.1199 0.8430	0.9312 0.7966	0.9607	0.9380	Ave		0.9534				14.0		30.0			
2,2,4-Trimethylpentane	+++++ 1.0529	0.7645 1.0172	0.7625 0.9263	1.1501	1.1332	Ave		0.9724				17.0		30.0			
Benzene	+++++ 0.8150	0.9816 0.7913	0.9105 0.7343	0.9616	0.9057	Ave		0.8714				11.0		30.0			
1,2-Dichloroethane	+++++ 0.4166	0.5191 0.4099	0.4390 0.3935	0.4618	0.4476	Ave		0.4411				9.4		30.0			
Heptane	+++++ 0.3284	0.2231 0.3162	0.2484 0.2939	0.3624	0.3529	Ave		0.3036				17.0		30.0			
n-Butanol	+++++ 0.1058	+++++ 0.1125	+++++ 0.1061	0.0977	0.1186	Ave		0.1081				7.3		30.0			
Trichloroethene	0.4589 0.4347	0.4693 0.4233	0.4397 0.3971	0.4910	0.4748	Ave		0.4486				6.8		30.0			
1,2-Dichloropropane	+++++ 0.2550	0.3007 0.2466	0.2639 0.2342	0.2827	0.2750	Ave		0.2654				8.5		30.0			
Methyl methacrylate	+++++ 0.2876	+++++ 0.2798	0.2132 0.2721	0.2990	0.2994	Ave		0.2752				12.0		30.0			
1,4-Dioxane	+++++ 0.1481	+++++ 0.1415	+++++ 0.1268	0.1763	0.1701	Ave		0.1525				13.0		30.0			
Dibromomethane	+++++ 0.5100	0.6673 0.4841	0.5779 0.4480	0.6026	0.5617	Ave		0.5502				14.0		30.0			
Bromodichloromethane	+++++ 0.7400	0.8535 0.7150	0.7723 0.6779	0.8274	0.7903	Ave		0.7680				8.1		30.0			
cis-1,3-Dichloropropene	+++++ 0.4711	0.3409 0.4666	0.3190 0.4551	0.4883	0.4995	Ave		0.4344				17.0		30.0			
methyl isobutyl ketone	+++++ 0.4518	+++++ 0.4355	0.2919 0.4121	0.4798	0.4815	Ave		0.4254				17.0		30.0			
n-Octane	+++++ 0.4281	0.2899 0.4033	0.3484 0.3570	0.5184	0.4715	Ave		0.4024				19.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68234

SDG No.: 200-20955-1

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.7015	0.7282 0.6512	0.7629 0.5945	0.8604	0.7776	Ave		0.7252				12.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.5329	0.3930 0.5240	0.4109 0.5158	0.5545	0.5579	Ave		0.4984				14.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3413	0.4252 0.3246	0.3744 0.3102	0.3894	0.3660	Ave		0.3616				11.0		30.0			
Tetrachloroethene	0.9597 0.8537	1.0224 0.8029	0.9267 0.7324	0.9948	0.9266	Ave		0.9024				11.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4501	+++++ 0.4442	0.2261 0.4236	0.4324	0.4735	Ave		0.4083				22.0		30.0			
Dibromochloromethane	+++++ 1.0003	1.0364 0.9516	0.9746 0.8941	1.1099	1.0631	Ave		1.0043				7.2		30.0			
1,2-Dibromoethane	+++++ 0.7392	0.7346 0.7085	0.6884 0.6751	0.8087	0.7809	Ave		0.7336				6.6		30.0			
Chlorobenzene	+++++ 1.1084	1.5235 1.0462	1.3524 0.9761	1.2973	1.1881	Ave		1.2132				16.0		30.0			
Ethylbenzene	+++++ 1.7071	1.6756 1.6064	1.6219 1.4483	1.9774	1.8244	Ave		1.6944				10.0		30.0			
n-Nonane	+++++ 0.5788	0.4864 0.5410	0.5601 0.4884	0.6791	0.6242	Ave		0.5654				12.0		30.0			
m,p-Xylene	+++++ 0.6677	0.6634 0.6211	0.7281 0.5574	0.8165	0.7296	Ave		0.6834				12.0		30.0			
Xylene, o-	+++++ 0.6915	0.4910 0.6479	0.5440 0.5931	0.8057	0.7416	Ave		0.6450				17.0		30.0			
Styrene	+++++ 1.0453	0.6521 0.9838	0.8057 0.9093	1.2092	1.0935	Ave		0.9570				19.0		30.0			
Bromoform	+++++ 1.0343	0.9871 0.9672	0.9631 0.8665	1.1569	1.0951	Ave		1.0100				9.4		30.0			
Cumene	+++++ 2.1406	1.4222 1.9863	1.7913 1.6885	2.5312	2.3242	Ave		1.9835				19.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.9116	1.2032 0.8541	1.0767 0.7493	1.0847	0.9998	Ave		0.9828				16.0		30.0			
n-Propylbenzene	+++++ 2.3701	2.0948 2.1679	2.2816 1.7472	2.8945	2.5990	Ave		2.3079				16.0		30.0			
1,2,3-Trichloropropane	+++++ 0.7273	+++++ 0.6835	0.8672 0.6040	0.8601	0.7957	Ave		0.7563				14.0		30.0			
n-Decane	+++++ 0.8027	+++++ 0.7337	0.7564 0.6206	0.9676	0.8679	Ave		0.7915				15.0		30.0			
4-Ethyltoluene	+++++ 2.1921	2.1959 2.0016	2.3631 1.6318	2.6755	2.3934	Ave		2.2076				15.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68234

SDG No.: 200-20955-1

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.8632	2.1207 1.7042	2.1018 1.4743	2.2531	1.9950	Ave		1.9303				14.0		30.0			
1,3,5-Trimethylbenzene	+++++ 2.0118	2.1308 1.8417	2.1747 1.5338	2.4382	2.1710	Ave		2.0431				14.0		30.0			
Alpha Methyl Styrene	+++++ 0.9957	0.4919 0.9323	0.5588 0.8440	1.1073	1.0293	Ave		0.8513				28.0		30.0			
tert-Butylbenzene	+++++ 1.9650	1.8100 1.8030	2.1301 1.5161	2.4752	2.1908	Ave		1.9843				16.0		30.0			
1,2,4-Trimethylbenzene	+++++ 2.0084	1.6671 1.8434	2.0093 1.5504	2.4407	2.1299	Ave		1.9499				15.0		30.0			
sec-Butylbenzene	+++++ 2.6804	2.4783 2.4289	2.8624 1.9492	3.4276	2.9816	Ave		2.6869				17.0		30.0			
4-Isopropyltoluene	+++++ 2.4520	1.9363 2.2265	2.3846 1.8085	3.0524	2.6819	Ave		2.3632				18.0		30.0			
1,3-Dichlorobenzene	+++++ 1.4227	1.4923 1.3244	1.4971 1.1586	1.6330	1.4201	Ave		1.4212				11.0		30.0			
1,4-Dichlorobenzene	+++++ 1.4072	1.2057 1.3176	1.2508 1.1591	1.5402	1.3794	Ave		1.3229				9.9		30.0			
Benzyl chloride	+++++ 1.4364	0.6723 1.4194	0.7331 1.3296	1.3614	1.3643	Ave		1.1881				28.0		30.0			
n-Undecane	+++++ 0.8198	+++++ 0.7329	+++++ 0.6074	1.0133	0.8394	Ave		0.8026				19.0		30.0			
n-Butylbenzene	+++++ 1.8221	1.5827 1.6637	1.9144 1.3958	2.2483	1.9204	Ave		1.7925				15.0		30.0			
1,2-Dichlorobenzene	+++++ 1.3931	1.4061 1.3041	1.4167 1.1423	1.6069	1.4146	Ave		1.3834				10.0		30.0			
n-Dodecane	+++++ 0.6987	+++++ 0.6378	+++++ 0.0939	0.6272	0.5681	Ave		0.5251				47.0	*	30.0			
1,2,4-Trichlorobenzene	+++++ 0.8751	+++++ 0.8427	0.4242 0.6756	0.7568	0.6898	Ave		0.7107				23.0		30.0			
Hexachloro-1,3-butadiene	+++++ 1.1276	1.3821 1.0158	1.2268 0.5778	1.3453	1.1928	Ave		1.1240				24.0		30.0			
Naphthalene	+++++ 1.8494	+++++ 1.7066	0.4898 1.4383	1.4694	1.3622	Ave		1.3860				34.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.8743	0.5423 0.8261	0.3734 0.4546	0.8165	0.7483	Ave		0.6622				30.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68234

SDG No.: 200-20955-1

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-68234/4	6101_004.d
Level 2	IC 200-68234/5	6101_005.d
Level 3	IC 200-68234/6	6101_006.d
Level 4	IC 200-68234/7	6101_007.d
Level 5	ICIS 200-68234/8	6101_008.d
Level 6	IC 200-68234/9	6101_009.d
Level 7	IC 200-68234/10	6101_010.d
Level 8	IC 200-68234/11	6101_011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 497717	+++++ 661767	17418 1299181	171162	343851	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 12	BCM	Ave	+++++ 3454862	+++++ 4516674	123434 8550592	1220565	2378638	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1313467	+++++ 1744155	45396 3413634	450035	899214	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon-114	BCM	Ave	+++++ 2820237	41809 3682503	98986 7032234	981010	1945417	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 588133	+++++ 791790	20727 1586316	203833	405869	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 1011815	+++++ 1348334	30101 2666551	318783	669296	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2173 835769	10997 1129770	24999 2226661	269168	540976	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 560716	6138 760983	14783 1497279	174832	355554	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 828778	12744 1190336	27701 2299545	289016	560804	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 457236	+++++ 631582	15205 1277845	152598	302251	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 738402	9879 1009878	21929 1989631	236416	482131	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl bromide	BCM	Ave	+++++ 1217044	14315 1633426	34512 3215429	392846	818236	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Freon 11	BCM	Ave	+++++ 3703863	54715 4925201	127882 9585030	1279646	2528605	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 1108891	+++++ 1471017	27914 2914419	352418	741782	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 308515	+++++ 626323	66654 1549275	131994	226444	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68234

SDG No.: 200-20955-1

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 581305	5524 786498	15093 1580002	183849	383629	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 237523	+++++ 324034	+++++ 626835	76637	155867	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon 113	BCM	Ave	+++++ 2306374	35110 3038104	79395 5837171	808116	1592514	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 1078004	12306 1440385	30544 2826103	354054	739217	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 1125892	+++++ 1591853	+++++ 2879495	391667	750249	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2596279	+++++ 3234115	76631 6427705	831075	1626028	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 961747	+++++ 1302161	+++++ 2486222	316558	638753	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Allyl chloride	BCM	Ave	+++++ 829304	7746 1129901	17007 2265645	252541	543129	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 411094	+++++ 566435	+++++ 1093925	142489	277223	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 744018	+++++ 1005390	28417 2025034	257469	505909	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1783773	+++++ 2441672	+++++ 4658737	535129	1146724	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 3170295	25387 4285532	64978 8388437	980616	2031361	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1292403	14677 1723602	38176 3411936	433458	867076	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 496804	+++++ 668184	12951 1365965	159777	326101	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexane	BCM	Ave	+++++ 1189586	9334 1605996	26195 3163901	385941	788682	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	4265 1595192	22977 2164552	50341 4305646	539837	1069009	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1751501	+++++ 2410980	33466 4741059	542530	1146393	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1141574	11760 1582116	32364 3084080	386761	774715	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 466744	+++++ 636539	16509 1211726	154286	313135	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 94117	+++++ 126901	+++++ 253596	30878	61836	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 690927	+++++ 952136	+++++ 1880073	222914	457039	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68234

SDG No.: 200-20955-1

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2430240	34468 3317829	82871 6452059	839011	1649325	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1414803	12613 1919134	33475 3634256	469748	957033	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2917040	39303 3959774	92001 7644188	987246	1968604	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	8697 3218312	44782 4337444	101161 8456206	1073132	2161114	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3911322	30569 5233844	82834 9832262	1284681	2610676	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 3027632	39250 4071533	98915 7794483	1074151	2086670	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1547719	20756 2108882	47698 4176790	515799	1031280	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Heptane	DFB	Ave	+++++ 1220006	8920 1627119	26991 3119323	404843	813077	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 393100	+++++ 578640	+++++ 1126195	109119	273216	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	3407 1614737	18767 2178196	47767 4215341	548439	1093818	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 947244	12023 1268562	28669 2485785	315796	633574	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1068481	+++++ 1439673	23159 2888354	334014	689745	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 550207	+++++ 728137	+++++ 1345638	196887	391865	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 1894498	26683 2490929	62781 4755977	673103	1293999	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 2748878	34126 3678848	83907 7195458	924191	1820765	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1750127	13630 2400930	34655 4831261	545437	1150881	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1678347	+++++ 2240568	31716 4374920	535897	1109388	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1590149	11592 2074970	37852 3789224	579055	1086165	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 2371159	25558 3095855	73260 5834314	882590	1640930	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1979602	15715 2696132	44645 5475160	619426	1285366	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1153540	14922 1543025	35957 3044405	399446	772501	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68234

SDG No.: 200-20955-1

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	6037 2885651	35883 3817042	88985 7188363	1020413	1955557	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1521211	+++++ 2111642	21708 4156948	443501	999194	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 3381129	36375 4523936	93585 8774775	1138452	2243618	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2498481	25783 3368163	66106 6625295	829518	1647907	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 3746501	53470 4973639	129862 9580082	1330706	2507389	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 5769956	58807 7636888	155744 14213914	2028333	3850088	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 1956375	17070 2571881	53782 4793442	696553	1317312	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 4513409	46562 5905377	139833 10940635	1675100	3079468	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 2337173	17232 3079865	52242 5820499	826439	1565048	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 3533241	22885 4677097	77369 8924095	1240344	2307779	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 3495836	34644 4598090	92486 8504614	1186666	2310981	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 7235379	49913 9442987	172015 16571499	2596374	4904975	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3081214	42226 4060277	103396 7354083	1112645	2110021	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 8010892	73520 10306137	219094 17147954	2968983	5484899	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2458252	+++++ 3249502	83276 5927464	882232	1679144	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 2713052	+++++ 3487876	72633 6090541	992488	1831550	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 7409410	77066 9515286	226925 16015232	2744394	5051019	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6297673	74427 8101828	201834 14469307	2311137	4210305	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 6799820	74782 8755104	208827 15053321	2501007	4581558	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 3365446	17264 4431870	53663 8283686	1135811	2172262	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6641827	63525 8571312	204550 14879192	2538938	4623515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-1 Analy Batch No.: 68234

SDG No.: 200-20955-1

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6788417	58508 8763488	192945 15215793	2503522	4494942	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 9059791	86979 11547049	274870 19130372	3515887	6292317	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 8287851	67956 10584636	228988 17749239	3130978	5659873	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 4808668	52373 6295982	143765 11371054	1675063	2996936	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 4756349	42316 6263556	120110 11376207	1579835	2911165	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 4855035	23594 6747945	70400 13049488	1396458	2879263	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 2770918	+++++ 3484036	+++++ 5961631	1039378	1771437	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6158663	55546 7909203	183834 13698552	2306191	4052857	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 4708714	49347 6199708	136043 11211062	1648253	2985364	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 2361611	+++++ 3032210	+++++ 921744	643320	1198806	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 2957719	+++++ 4005998	40734 6630259	776311	1455819	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachloro-1,3-butadiene	CBZ	Ave	+++++ 3811308	48507 4829134	117807 5670385	1379928	2517277	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 6251138	+++++ 8113281	47038 14116069	1507181	2874765	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 2955162	19032 3927460	35855 4461825	837537	1579192	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_004.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-Feb-2014 19:12:30 ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-004
Misc. Info.: IC 01
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:35:23 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:19:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.383					
2 Dichlorodifluoromethane	85		4.479					
6 Chlorodifluoromethane	51		4.544					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.832					
8 Chloromethane	50		5.025					
9 Butane	43		5.287					
10 Vinyl chloride	62	5.341	5.346	-0.005	22	2173	0.0492	
11 Butadiene	54		5.442					
13 BFB								
12 Bromomethane	94		6.314					
14 Chloroethane	64		6.598					
15 2-Methylbutane	43		6.678					
16 Vinyl bromide	106		7.079					
17 Trichlorofluoromethane	101		7.192					
18 Pentane	43		7.357					
19 Ethanol	45		7.796					
21 Ethyl ether	59		7.941					
22 Acrolein	56		8.406					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.443					
24 1,1-Dichloroethene	96		8.518					
25 Acetone	43		8.748					
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.032					
29 3-Chloro-1-propene	41		9.406					
30 Acetonitrile	41		9.535					
31 Methylene Chloride	49		9.733					
32 2-Methyl-2-propanol	59		9.904					
33 Methyl tert-butyl ether	73		10.161					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.236					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	35 Acrylonitrile	53		10.385						
	36 Hexane	57		10.653						
	37 1,1-Dichloroethane	63	11.215	11.199	0.016	28	4265	0.0488		
	38 Vinyl acetate	43		11.236						
	39 cis-1,2-Dichloroethene	96		12.375						
	40 2-Butanone (MEK)	72		12.392						
	42 Ethyl acetate	88		12.413						
	44 Tetrahydrofuran	42		12.846						
*	43 Chlorobromomethane	128	12.857	12.852	0.005	69	390192	10.0		
	45 Chloroform	83		12.964						
	46 Cyclohexane	84		13.264						
	47 1,1,1-Trichloroethane	97		13.280						
	48 Carbon tetrachloride	117	13.531	13.531	0.0	76	8697	0.0493		
	51 Isooctane	57		13.927						
	50 Benzene	78		13.986						
	52 1,2-Dichloroethane	62		14.141						
	53 n-Heptane	43		14.275						
*	54 1,4-Difluorobenzene	114	14.746	14.745	0.001	92	1852198	10.0		
A	57 GRO	1	14.769	6.668 -	22.871	0	946300	0		
	55 n-Butanol	56		15.024						
	56 Trichloroethene	95	15.206	15.211	-0.005	63	3407	0.0410		M
	58 1,2-Dichloropropane	63		15.730						
	59 Methyl methacrylate	69		15.815						
	60 1,4-Dioxane	88		15.901						
	61 Dibromomethane	174		15.970						
	62 Dichlorobromomethane	83		16.222						
A	63 TVOC as Toluene	1		4.373	28.889					
	64 cis-1,3-Dichloropropene	75		17.083						
	65 4-Methyl-2-pentanone (MIBK)	43		17.324						
A	68 C8 Range	1	17.656	17.606	-17.706	0	21364	NC		
	69 n-Octane	43		17.656						
	66 Toluene	92		17.661						
A	67 Toluene Range	1	17.661	17.621	-17.701	0	21364	NC		
	70 trans-1,3-Dichloropropene	75		18.191						
	71 1,1,2-Trichloroethane	83		18.560						
	72 Tetrachloroethene	166	18.694	18.699	-0.005	75	6037	0.0426		M
	73 2-Hexanone	43		18.950						
	74 Chlorodibromomethane	129		19.314						
	75 Ethylene Dibromide	107		19.603						
S	82 Xylenes, Total	106		20.100						
*	76 Chlorobenzene-d5	117	20.443	20.443	0.0	83	1569098	10.0		
	77 Chlorobenzene	112		20.502						
	78 Ethylbenzene	91		20.614						
	79 n-Nonane	57		20.673						
	80 m-Xylene & p-Xylene	106		20.833						
	83 o-Xylene	106		21.545						
	84 Styrene	104		21.582						
	85 Bromoform	173		21.962						
	86 Isopropylbenzene	105		22.112						
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1030107	NC		
	88 1,1,2,2-Tetrachloroethane	83		22.668						
	90 N-Propylbenzene	91		22.743						

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
89 1,2,3-Trichloropropane			75	22.770			
93 n-Decane			57	22.861			
91 4-Ethyltoluene			105	22.909			
92 2-Chlorotoluene			91	22.946			
94 1,3,5-Trimethylbenzene			105	23.005			
95 Alpha Methyl Styrene			118	23.353			
96 tert-Butylbenzene			119	23.481			
97 1,2,4-Trimethylbenzene			105	23.572			
98 sec-Butylbenzene			105	23.808			
99 4-Isopropyltoluene			119	24.011			
100 1,3-Dichlorobenzene			146	24.081			
101 1,4-Dichlorobenzene			146	24.225			
102 Benzyl chloride			91	24.434			
104 Undecane			57	24.626			
103 n-Butylbenzene			91	24.653			
105 1,2-Dichlorobenzene			146	24.830			
106 Dodecane			57	26.434			
107 1,2,4-Trichlorobenzene			180	27.724			
108 Hexachlorobutadiene			225	27.927			
109 Naphthalene			128	28.312			
110 1,2,3-Trichlorobenzene			180	28.879			

QC Flag Legend

Review Flags
M - Manually Integrated

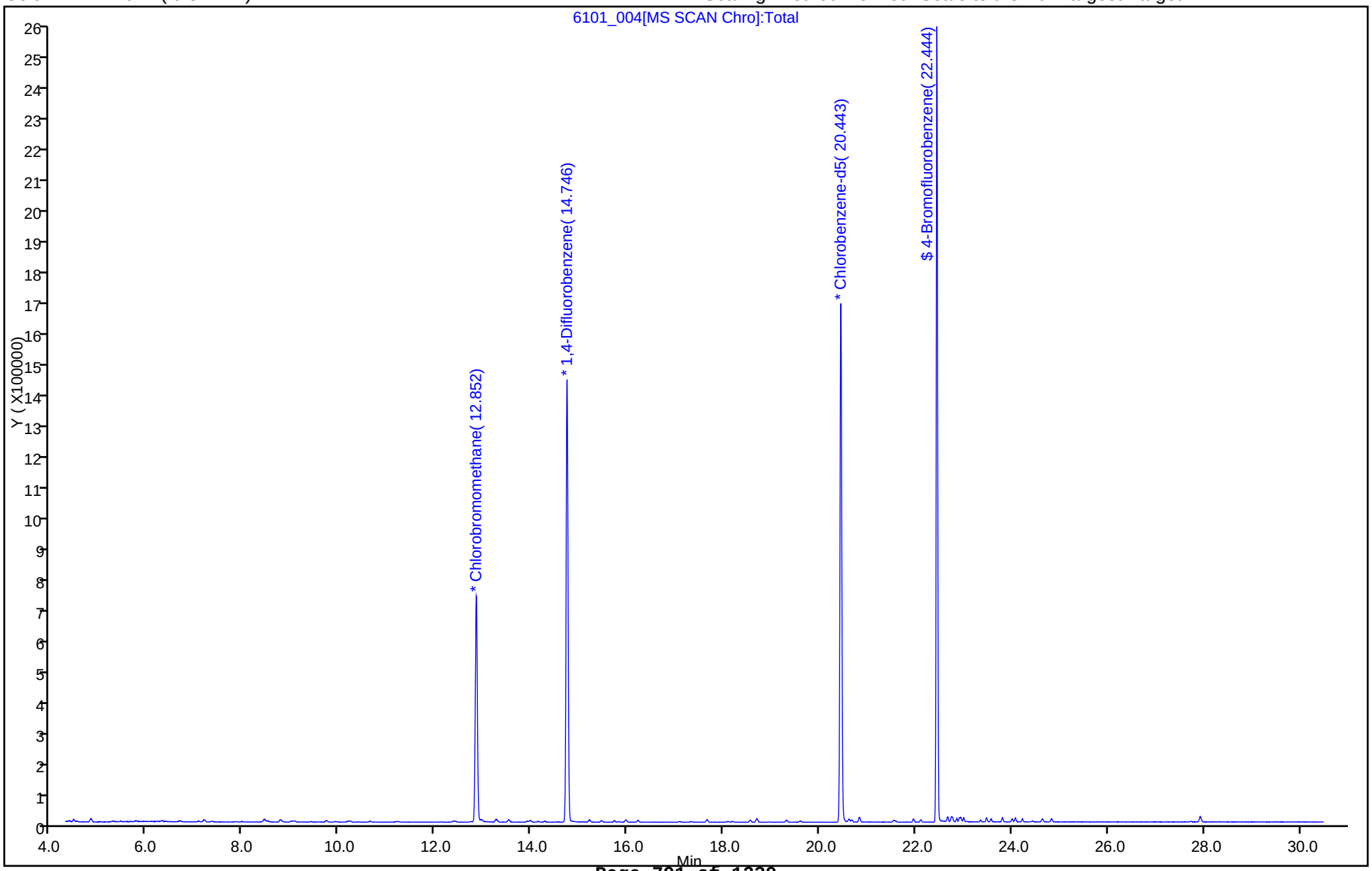
Report Date: 12-Feb-2014 09:35:25 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_004.d

Injection Date:	11-Feb-2014 19:12:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

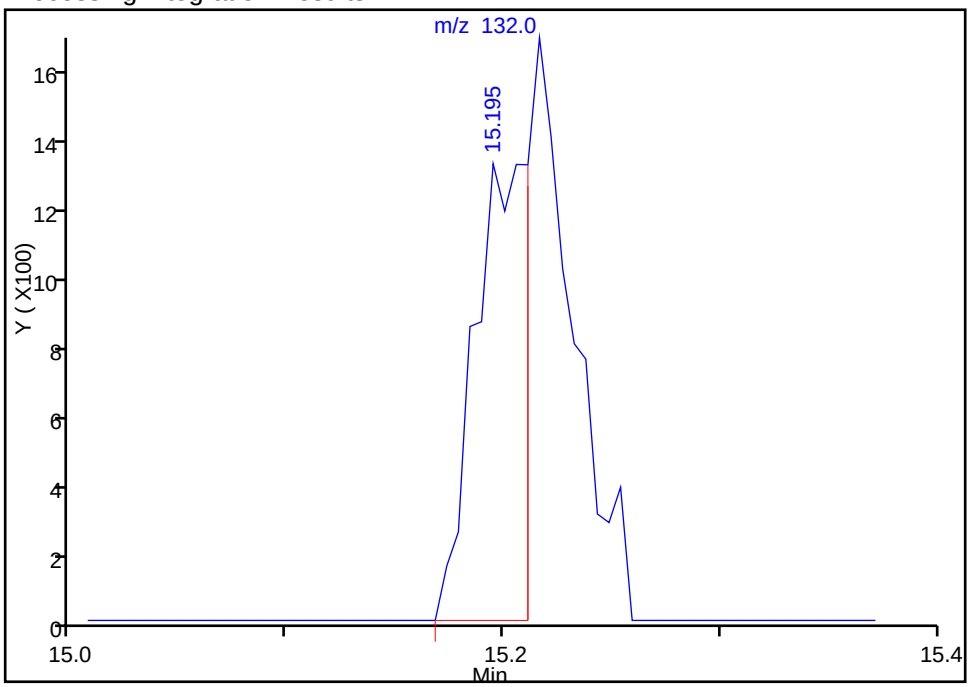
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_004.d				
Injection Date:	11-Feb-2014 19:12:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

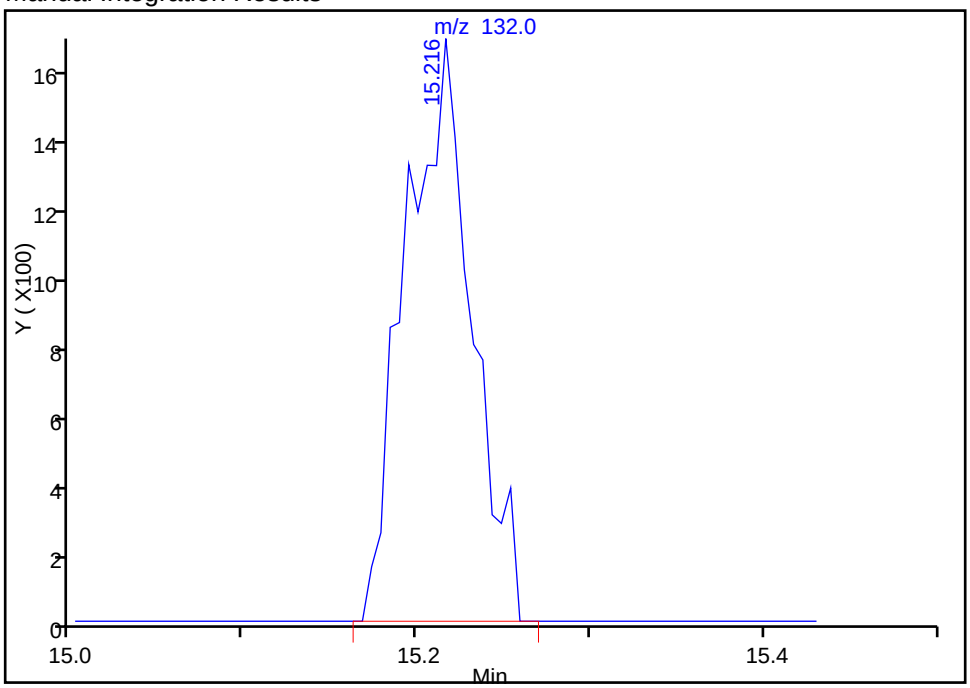
Processing Integration Results

RT: 15.19
Response: 2350
Amount: 0.045894



Manual Integration Results

RT: 15.22
Response: 4494
Amount: 0.041004



Reviewer: lyonsb, 12-Feb-2014 09:19:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

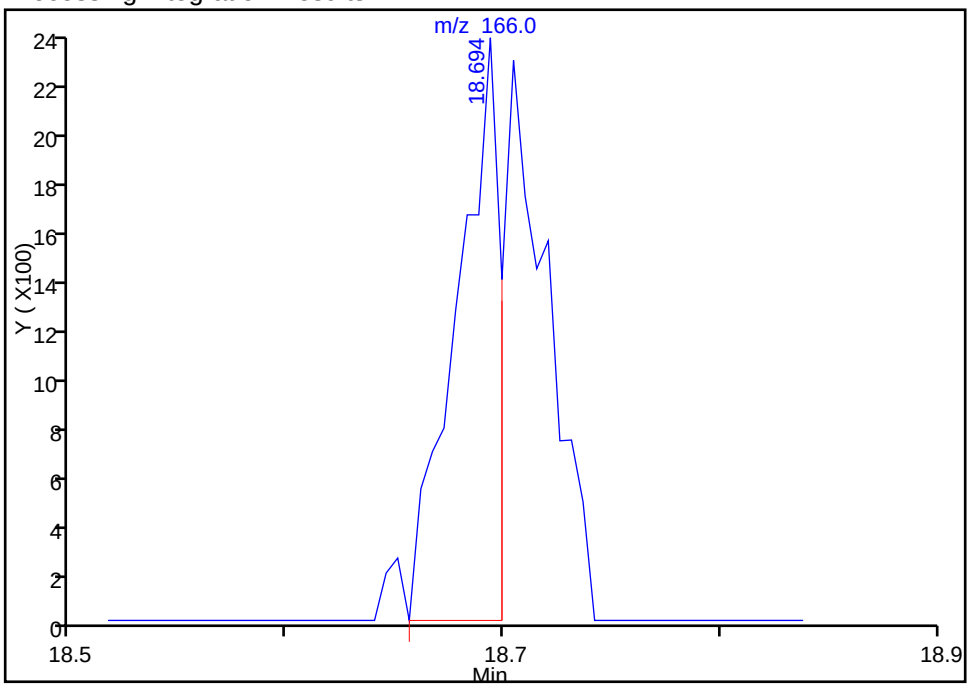
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_004.d				
Injection Date:	11-Feb-2014 19:12:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

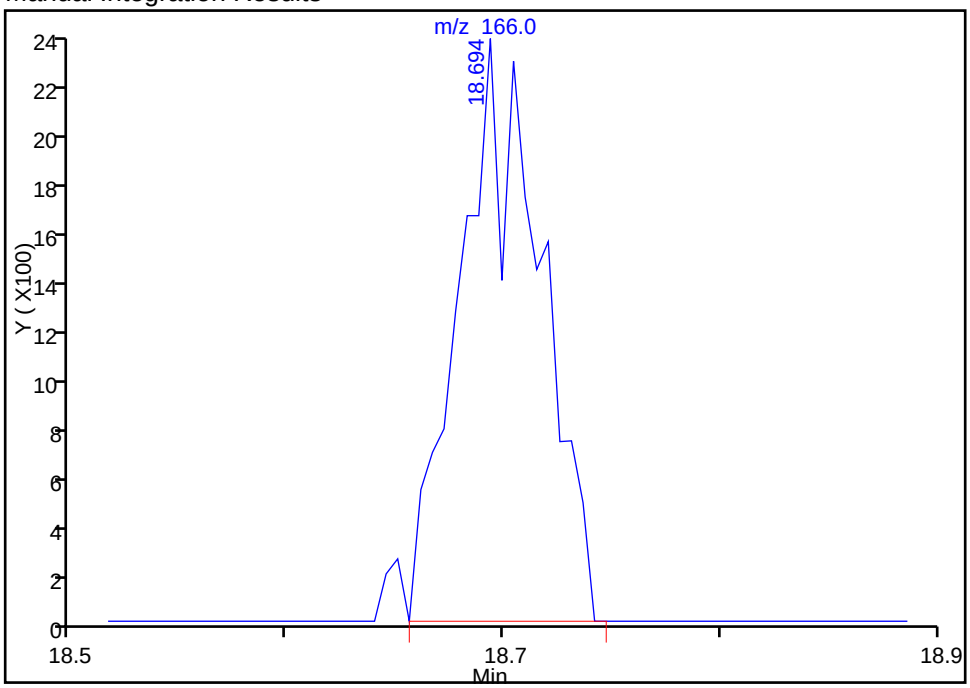
Processing Integration Results

RT: 18.69
Response: 3238
Amount: 0.026017



Manual Integration Results

RT: 18.69
Response: 6037
Amount: 0.042635



Reviewer: lyonsb, 12-Feb-2014 09:19:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

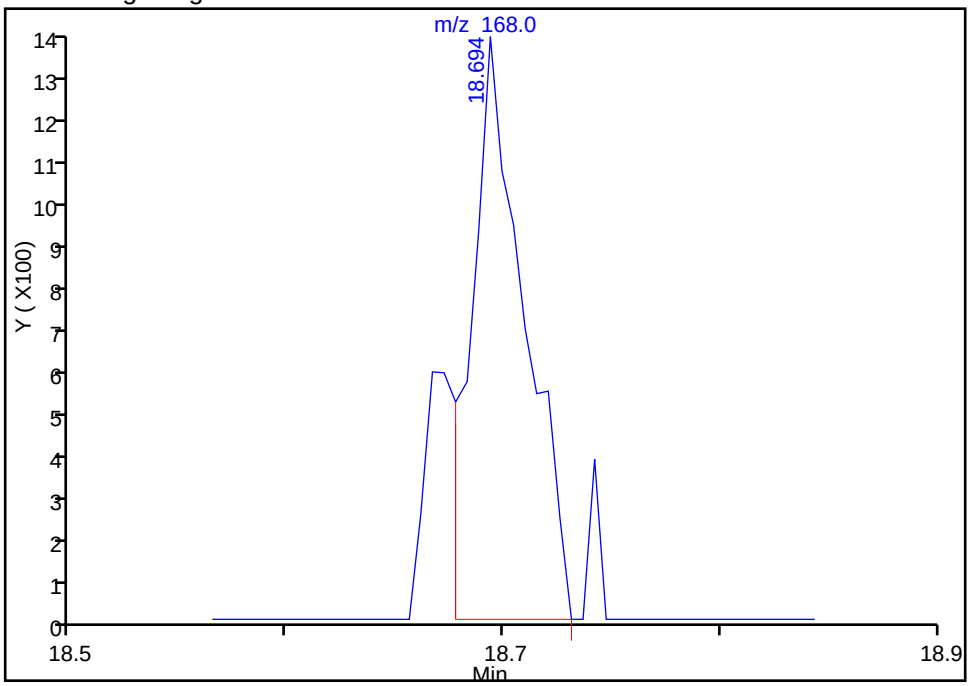
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_004.d				
Injection Date:	11-Feb-2014 19:12:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

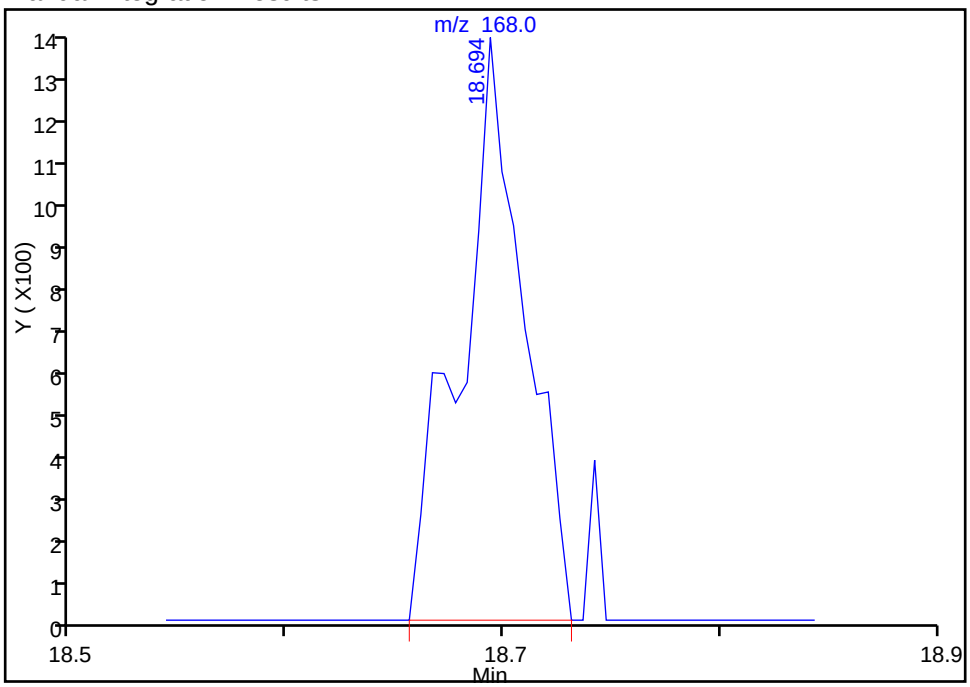
Processing Integration Results

RT: 18.69
Response: 2394
Amount: 0.026017



Manual Integration Results

RT: 18.69
Response: 2855
Amount: 0.042635



Reviewer: lyonsb, 12-Feb-2014 09:19:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

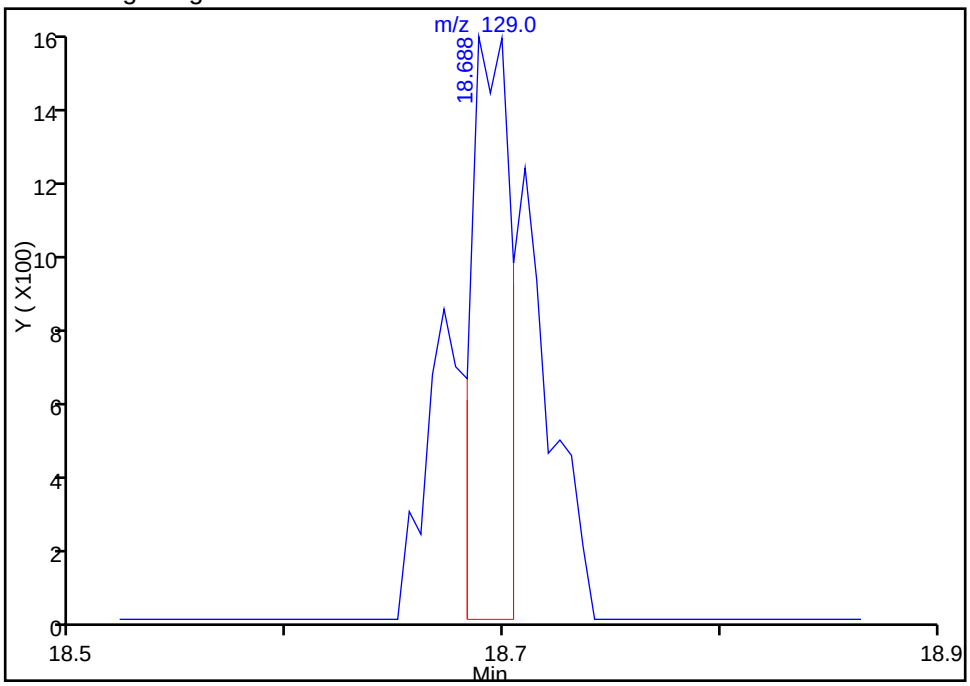
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_004.d				
Injection Date:	11-Feb-2014 19:12:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

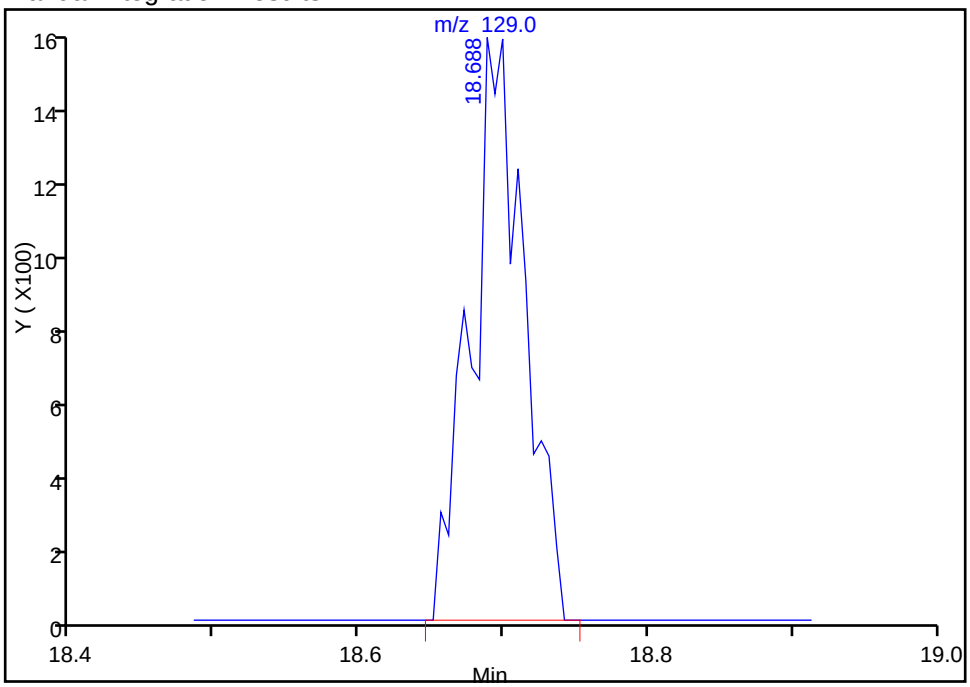
Processing Integration Results

RT: 18.69
Response: 2002
Amount: 0.026017



Manual Integration Results

RT: 18.69
Response: 4079
Amount: 0.042635



Reviewer: lyonsb, 12-Feb-2014 09:19:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Report Date: 12-Feb-2014 09:35:27 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-Feb-2014 20:02:30 ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-005
Misc. Info.: IC 02
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:35:25 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:18:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.372	4.383	-0.011	89	7919	0.2883	
2 Dichlorodifluoromethane	85	4.469	4.479	-0.010	88	51787	0.2721	
6 Chlorodifluoromethane	51	4.533	4.544	-0.011	69	19913	0.2762	M
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.822	4.832	-0.010	81	41809	0.2576	
8 Chloromethane	50	5.020	5.025	-0.005	93	8987	0.2743	M
9 Butane	43	5.277	5.287	-0.010	82	12854	0.2421	
10 Vinyl chloride	62	5.335	5.346	-0.011	60	10997	0.2333	
11 Butadiene	54	5.437	5.442	-0.005	85	6138	0.2117	
13 BFB								
12 Bromomethane	94	6.309	6.314	-0.005	88	12744	0.2614	
14 Chloroethane	64	6.598	6.598	0.0	69	6858	0.2734	
15 2-Methylbutane	43	6.684	6.678	0.006	88	9879	0.2438	
16 Vinyl bromide	106	7.079	7.079	0.0	90	14315	0.2203	
17 Trichlorofluoromethane	101	7.186	7.192	-0.006	94	54715	0.2565	
18 Pentane	43	7.363	7.357	0.006	94	12437	0.2190	
19 Ethanol	45	7.839	7.796	0.043	86	8302	0.6976	M
21 Ethyl ether	59	7.957	7.941	0.016	79	5524	0.1860	
22 Acrolein	56	8.433	8.406	0.027	1	2718	0.2177	M
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.449	8.443	0.006	89	35110	0.2630	
24 1,1-Dichloroethene	96	8.519	8.518	0.0	81	12306	0.2140	
25 Acetone	43	8.770	8.748	0.022	83	41430	0.6856	
26 Carbon disulfide	76	9.005	9.000	0.005	96	33981	0.2566	
27 Isopropyl alcohol	45	9.053	9.032	0.021	86	12986	0.2565	
29 3-Chloro-1-propene	41	9.396	9.406	-0.010	70	7746	0.1894	M
30 Acetonitrile	41	9.556	9.535	0.021	93	5686	0.2567	
31 Methylene Chloride	49	9.733	9.733	0.0	67	13057	0.3103	
32 2-Methyl-2-propanol	59	9.936	9.904	0.032	92	14141	0.1539	
33 Methyl tert-butyl ether	73	10.177	10.161	0.016	91	25387	0.1668	M
S 41 1,2-Dichloroethene, Total	61				0		0.4054	
34 trans-1,2-Dichloroethene	61	10.225	10.236	-0.011	69	14677	0.2117	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	35 Acrylonitrile	53	10.391	10.385	0.006	78	5168	0.2004	M
	36 Hexane	57	10.664	10.653	0.011	81	9334	0.1603	M
	37 1,1-Dichloroethane	63	11.199	11.199	0.0	87	22977	0.2463	
	38 Vinyl acetate	43	11.247	11.236	0.011	96	12486	0.1440	
	39 cis-1,2-Dichloroethene	96	12.376	12.375	0.001	73	11760	0.1936	
	40 2-Butanone (MEK)	72	12.397	12.392	0.005	91	5115	0.1999	
	42 Ethyl acetate	88	12.418	12.413	0.005	91	942	0.1894	M
	44 Tetrahydrofuran	42	12.884	12.846	0.038	26	6984	0.1850	
*	43 Chlorobromomethane	128	12.852	12.852	0.0	69	416155	10.0	
	45 Chloroform	83	12.959	12.964	-0.005	92	34468	0.2472	
	46 Cyclohexane	84	13.269	13.264	0.005	48	12613	0.1732	M
	47 1,1,1-Trichloroethane	97	13.285	13.280	0.005	87	39303	0.2360	M
	48 Carbon tetrachloride	117	13.526	13.531	-0.005	88	44782	0.2355	
	51 Isooctane	57	13.927	13.927	0.0	94	30569	0.1576	
	50 Benzene	78	13.991	13.986	0.005	93	39250	0.2258	
	52 1,2-Dichloroethane	62	14.136	14.141	-0.005	86	20756	0.2359	
	53 n-Heptane	43	14.291	14.275	0.016	54	8920	0.1473	M
*	54 1,4-Difluorobenzene	114	14.746	14.745	0.001	92	1994908	10.0	
A	57 GRO	1	14.769	6.668 - 22.871		0	4828527	0	
	55 n-Butanol	56	15.050	15.024	0.026	80	3340	0.1548	M
	56 Trichloroethene	95	15.206	15.211	-0.005	91	18767	0.2097	
	58 1,2-Dichloropropane	63	15.725	15.730	-0.005	78	12023	0.2271	
	59 Methyl methacrylate	69	15.826	15.815	0.011	62	6449	0.1175	
	60 1,4-Dioxane	88	15.928	15.901	0.027	62	6387	0.2099	M
	61 Dibromomethane	174	15.971	15.970	0.001	83	26683	0.2431	
	62 Dichlorobromomethane	83	16.222	16.222	0.0	95	34126	0.2227	
A	63 TVOC as Toluene	1	16.631	4.373 - 28.889		0	8245530	57.0	
	64 cis-1,3-Dichloropropene	75	17.083	17.083	0.0	75	13630	0.1573	M
	65 4-Methyl-2-pentanone (MIBK)	43	17.324	17.324	0.0	90	10964	0.1292	
A	68 C8 Range	1	17.656	17.606 - 17.706		0	170333	NC	
	69 n-Octane	43	17.661	17.656	0.005	67	11592	0.1444	
	66 Toluene	92	17.666	17.661	0.005	93	25558	0.2013	
A	67 Toluene Range	1	17.661	17.621 - 17.701		0	170333	NC	
	70 trans-1,3-Dichloropropene	75	18.185	18.191	-0.006	75	15715	0.1580	M
	71 1,1,2-Trichloroethane	83	18.555	18.560	-0.005	89	14922	0.2357	
	72 Tetrachloroethene	166	18.694	18.699	-0.005	94	35883	0.2271	
	73 2-Hexanone	43	18.956	18.950	0.006	80	6782	0.0949	M
	74 Chlorodibromomethane	129	19.314	19.314	0.0	94	36375	0.2069	
	75 Ethylene Dibromide	107	19.592	19.603	-0.011	94	25783	0.2007	
S	82 Xylenes, Total	106				0		0.5417	
*	76 Chlorobenzene-d5	117	20.443	20.443	0.0	83	1750944	10.0	
	77 Chlorobenzene	112	20.496	20.502	-0.006	81	53470	0.2517	
	78 Ethylbenzene	91	20.614	20.614	0.0	95	58807	0.1982	M
	79 n-Nonane	57	20.673	20.673	0.0	70	17070	0.1724	
	80 m-Xylene & p-Xylene	106	20.834	20.833	0.001	100	46562	0.3891	
	83 o-Xylene	106	21.545	21.545	0.0	88	17232	0.1526	
	84 Styrene	104	21.582	21.582	0.0	72	22885	0.1366	M
	85 Bromoform	173	21.962	21.962	0.0	98	34644	0.1959	
	86 Isopropylbenzene	105	22.112	22.112	0.0	89	49913	0.1437	
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1125306	NC	
	88 1,1,2,2-Tetrachloroethane	83	22.668	22.668	0.0	89	42226	0.2454	
	90 N-Propylbenzene	91	22.743	22.743	0.0	98	73520	0.1819	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.770	22.770	0.0	90	34156	0.2579	
93	n-Decane	57	22.856	22.861	-0.005	76	21625	0.1560	
91	4-Ethyltoluene	105	22.909	22.909	0.0	85	77066	0.1994	
92	2-Chlorotoluene	91	22.941	22.946	-0.005	87	74427	0.2202	
94	1,3,5-Trimethylbenzene	105	23.000	23.005	-0.005	91	74782	0.2090	
95	Alpha Methyl Styrene	118	23.353	23.353	0.0	80	17264	0.1158	
96	tert-Butylbenzene	119	23.476	23.481	-0.005	91	63525	0.1828	
97	1,2,4-Trimethylbenzene	105	23.567	23.572	-0.005	93	58508	0.1714	
98	sec-Butylbenzene	105	23.803	23.808	-0.005	97	86979	0.1849	
99	4-Isopropyltoluene	119	24.011	24.011	0.0	82	67956	0.1642	
100	1,3-Dichlorobenzene	146	24.075	24.081	-0.006	97	52373	0.2105	
101	1,4-Dichlorobenzene	146	24.220	24.225	-0.005	96	42316	0.1827	
102	Benzyl chloride	91	24.429	24.434	-0.005	91	23594	0.1134	
104	Undecane	57	24.632	24.626	0.006	81	16003	0.1139	
103	n-Butylbenzene	91	24.648	24.653	-0.005	93	55546	0.1770	
105	1,2-Dichlorobenzene	146	24.835	24.830	0.005	96	49347	0.2037	
106	Dodecane	57	26.440	26.434	0.006	74	5276	0.0574	
107	1,2,4-Trichlorobenzene	180	27.719	27.724	-0.005	63	16995	0.1366	
108	Hexachlorobutadiene	225	27.922	27.927	-0.005	92	48507	0.2465	
109	Naphthalene	128	28.302	28.312	-0.010	88	24028	0.0990	M
110	1,2,3-Trichlorobenzene	180	28.879	28.879	0.0	77	19032	0.1641	

QC Flag Legend

Review Flags
M - Manually Integrated

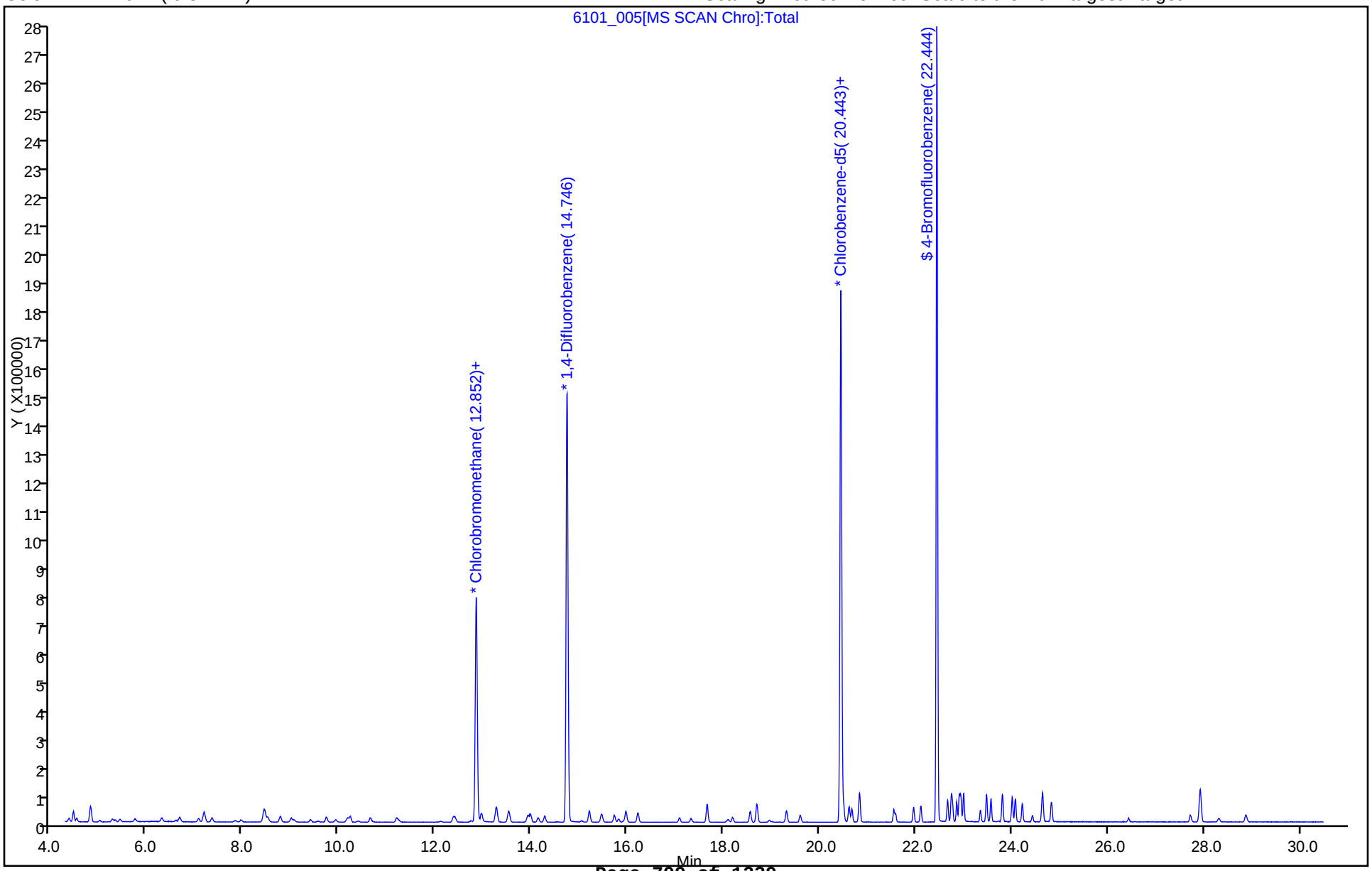
Report Date: 12-Feb-2014 09:35:27 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d

Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

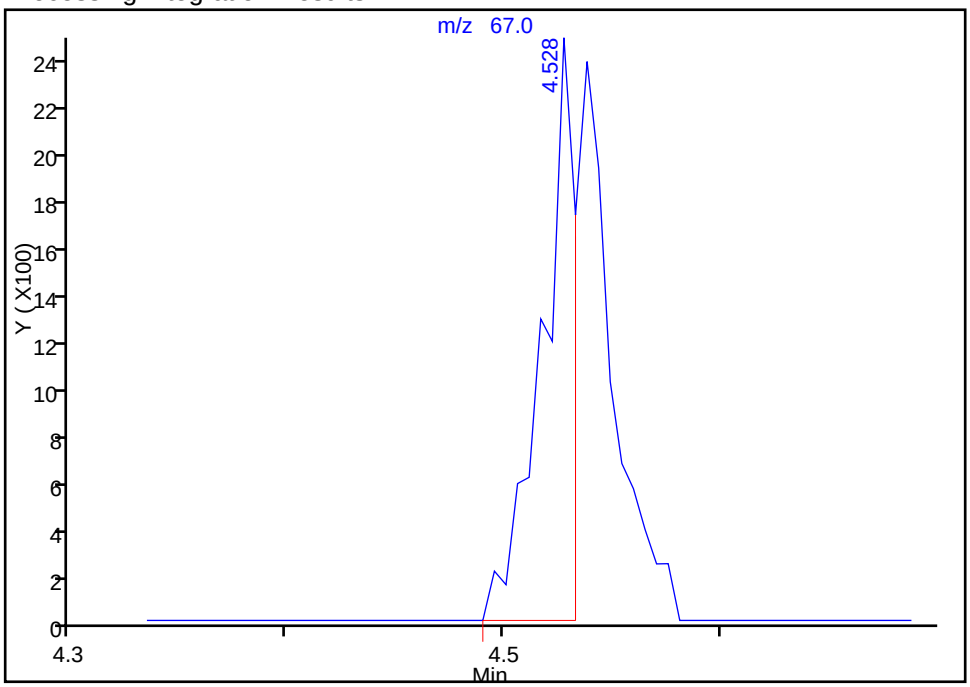
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6

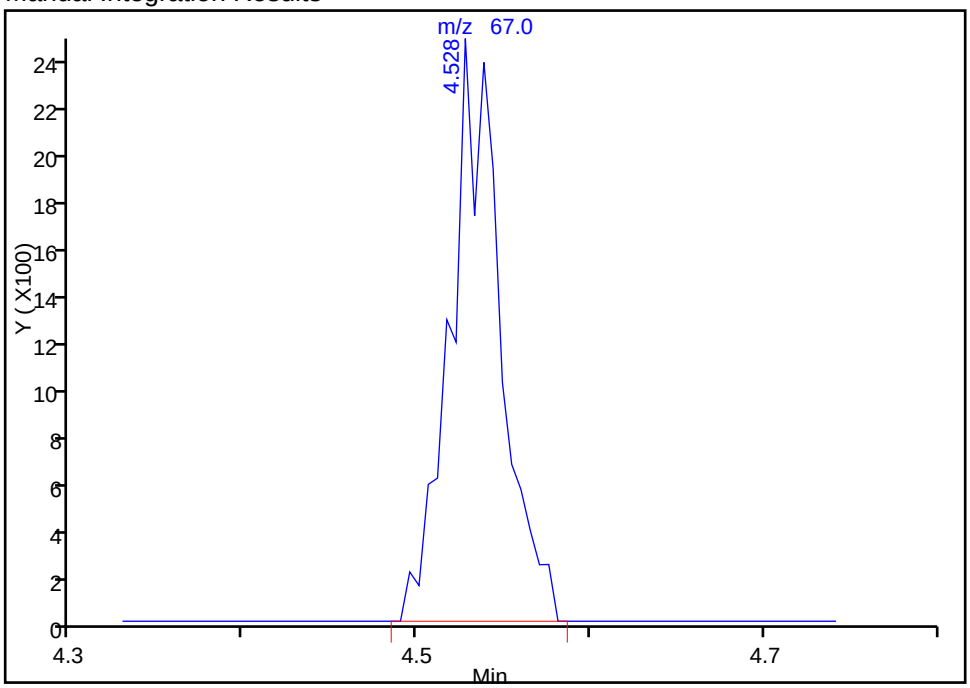
Processing Integration Results

RT: 4.53
Response: 2658
Amount: 0.291066



Manual Integration Results

RT: 4.53
Response: 5054
Amount: 0.276187



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

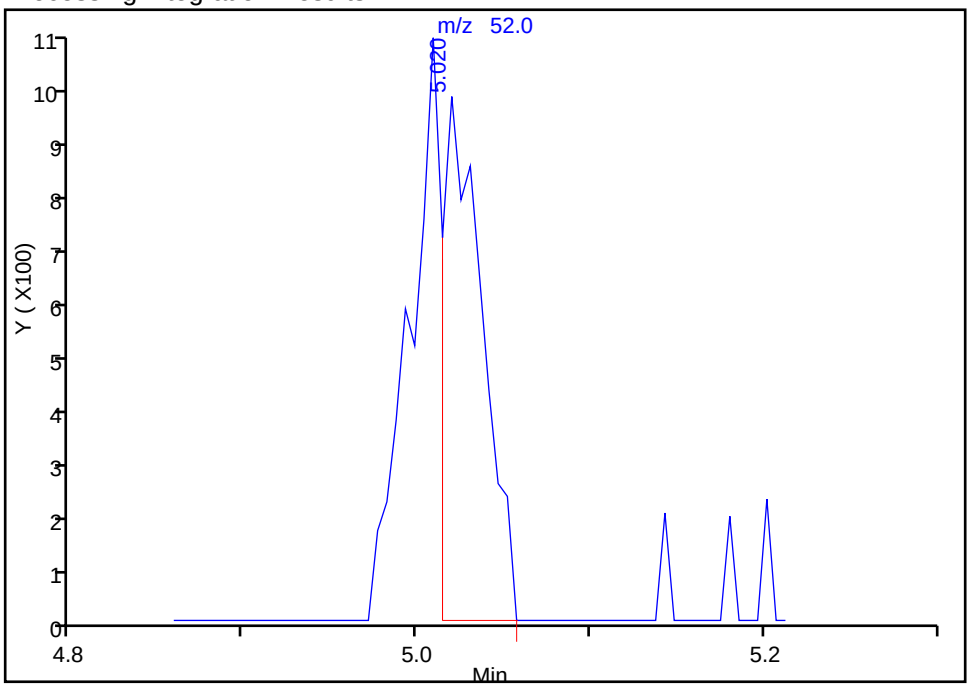
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3

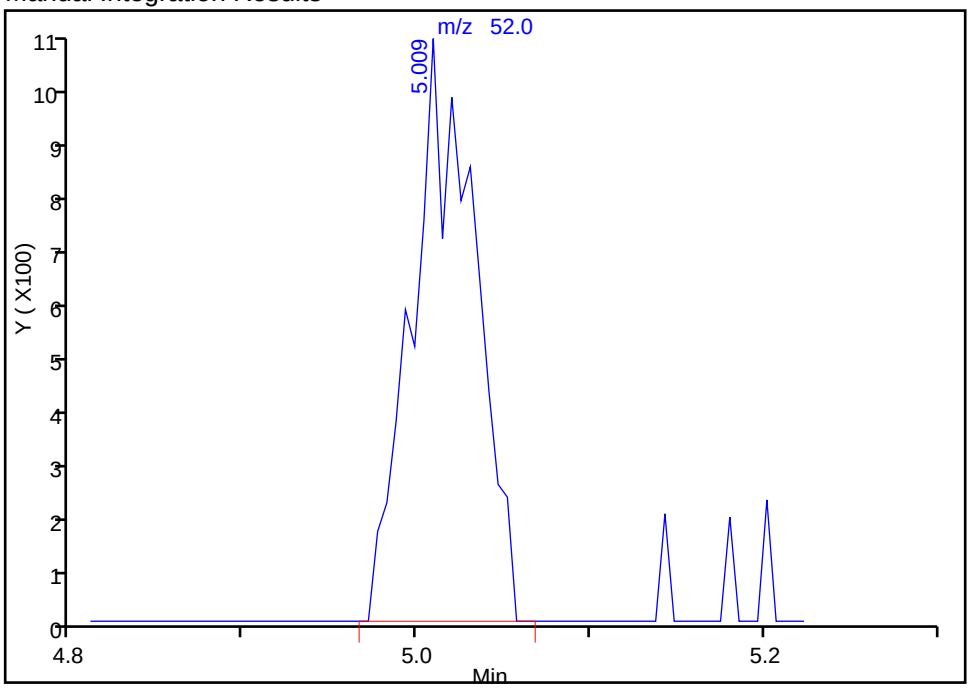
Processing Integration Results

RT: 5.02
Response: 1572
Amount: 0.293440



Manual Integration Results

RT: 5.01
Response: 2760
Amount: 0.274303



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

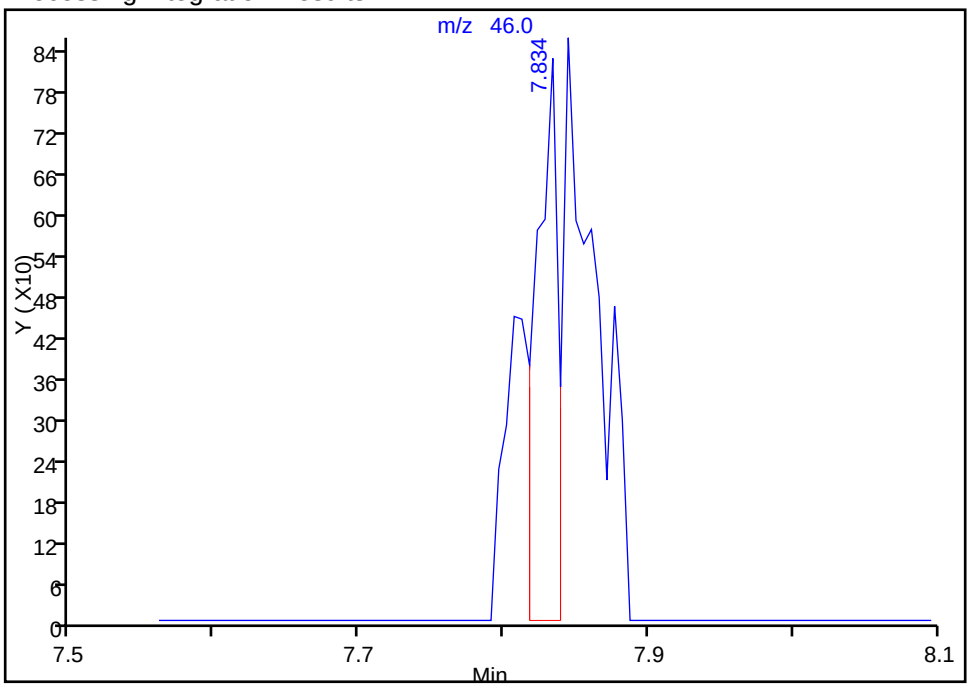
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

19 Ethanol, CAS: 64-17-5

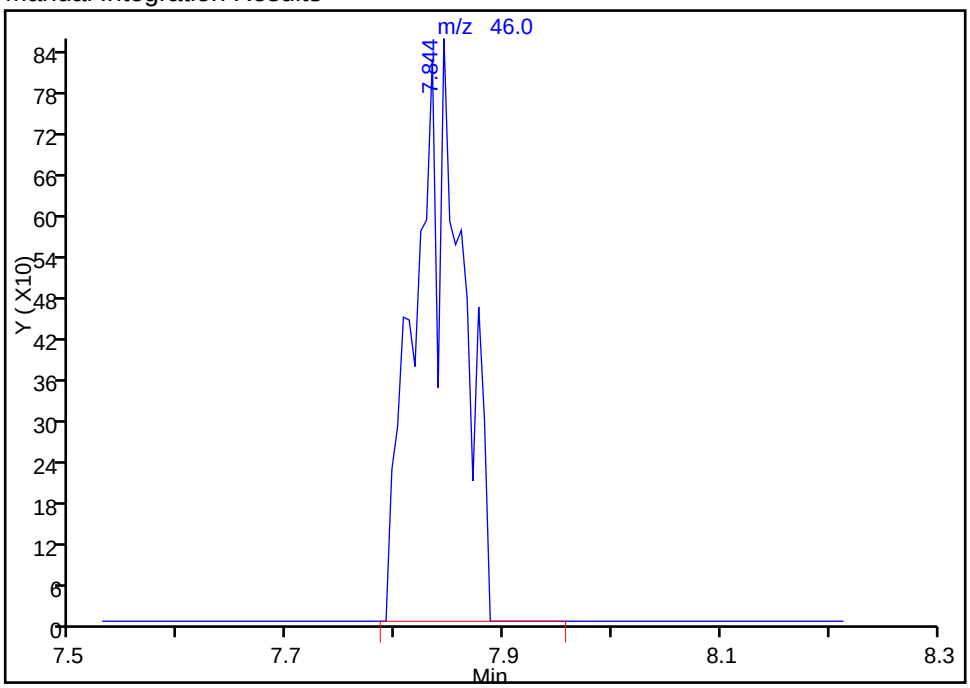
Processing Integration Results

RT: 7.83
Response: 863
Amount: 0.710735



Manual Integration Results

RT: 7.84
Response: 2589
Amount: 0.697629



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

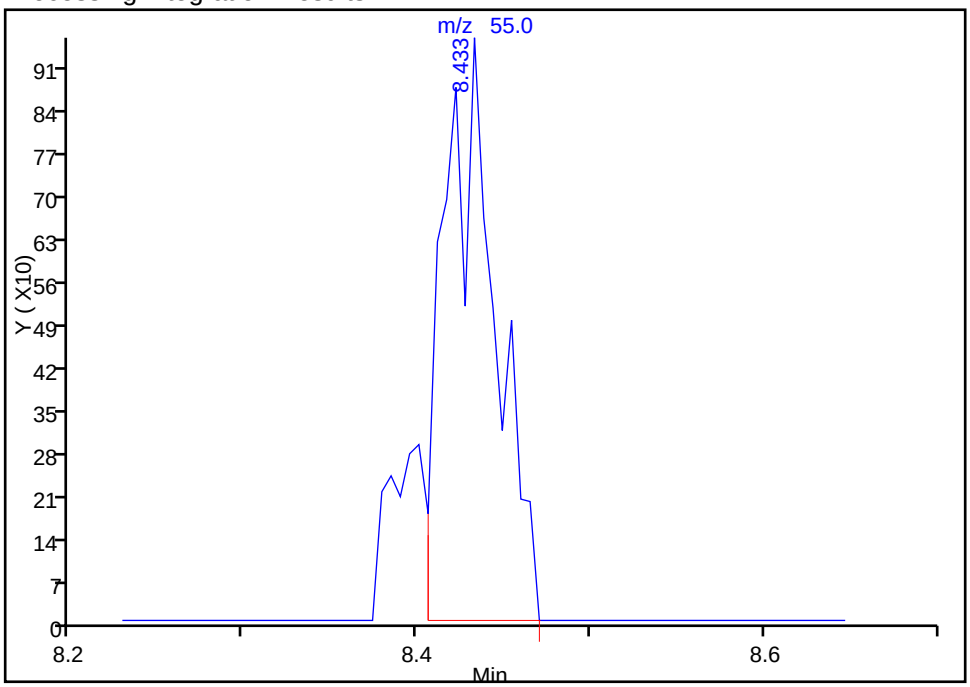
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 Acrolein, CAS: 107-02-8

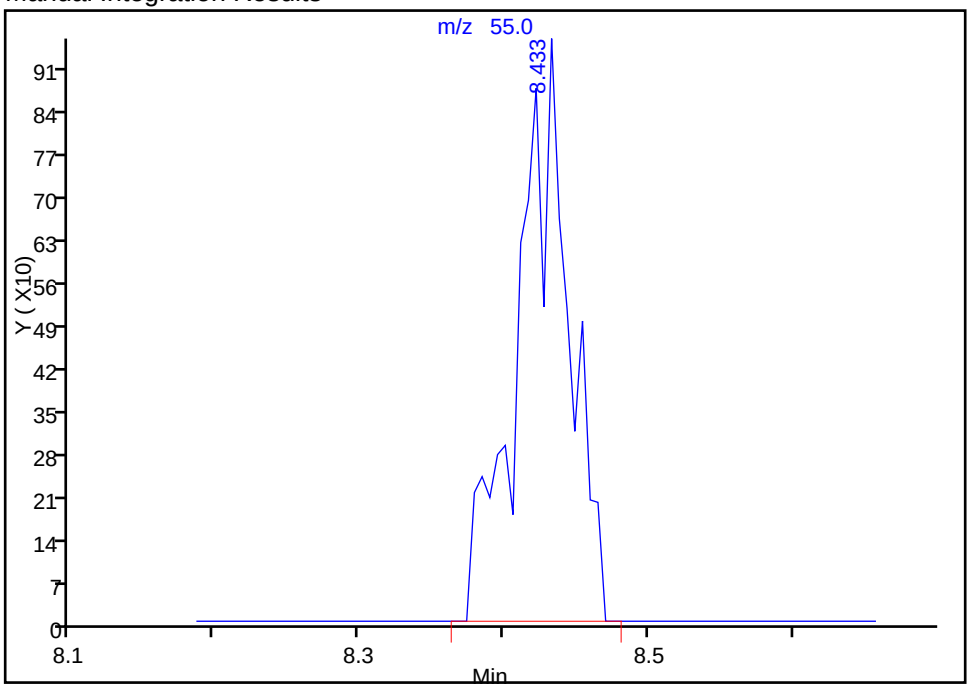
Processing Integration Results

RT: 8.43
Response: 1981
Amount: 0.233126



Manual Integration Results

RT: 8.43
Response: 2369
Amount: 0.217686



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

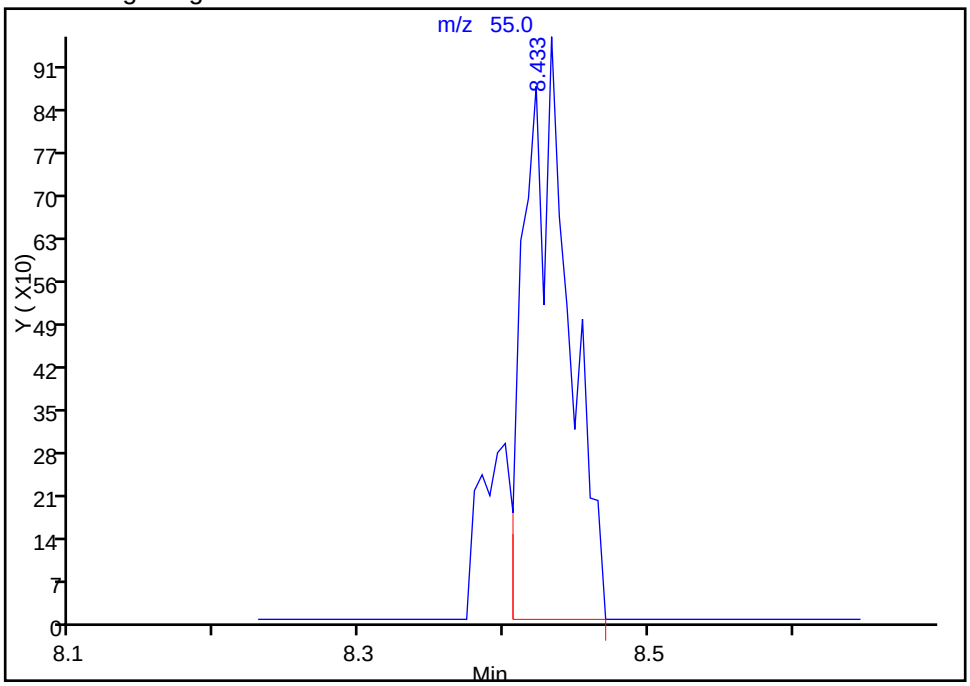
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 Acrolein, CAS: 107-02-8

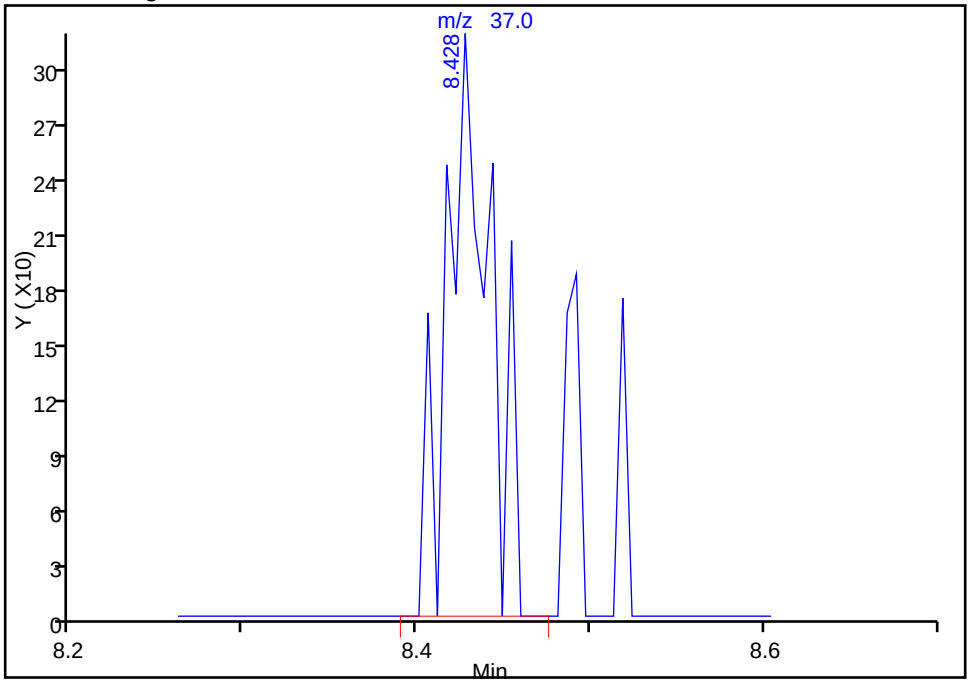
Processing Integration Results

RT: 8.41
Response: 0
Amount: 0.233126



Manual Integration Results

RT: 8.43
Response: 554
Amount: 0.217686



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

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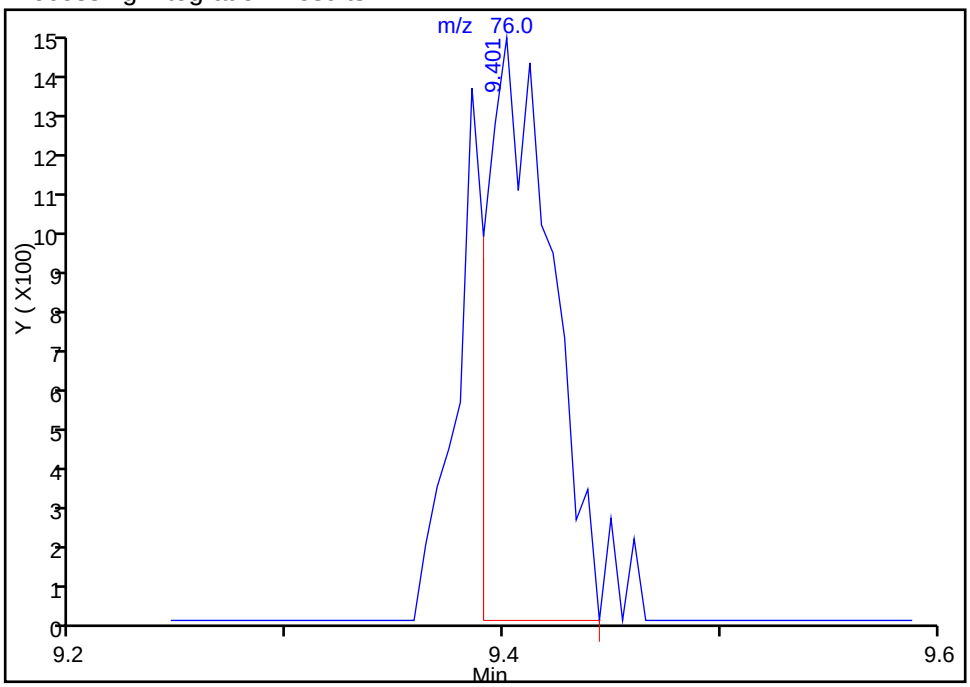
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 3-Chloro-1-propene, CAS: 107-05-1

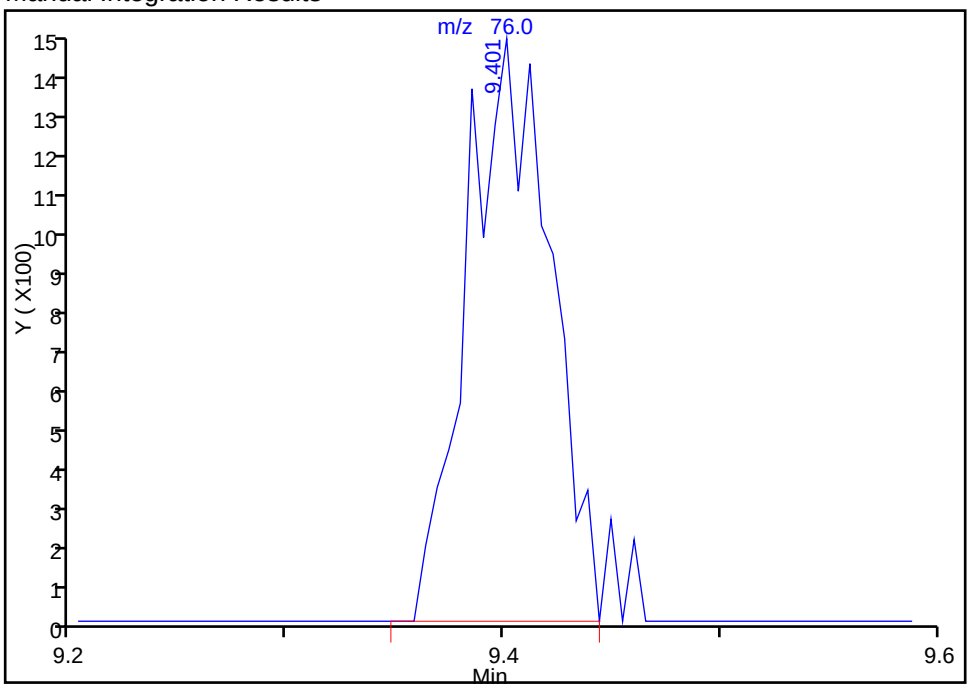
Processing Integration Results

RT: 9.40
Response: 3049
Amount: 0.212438



Manual Integration Results

RT: 9.40
Response: 3975
Amount: 0.189416



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

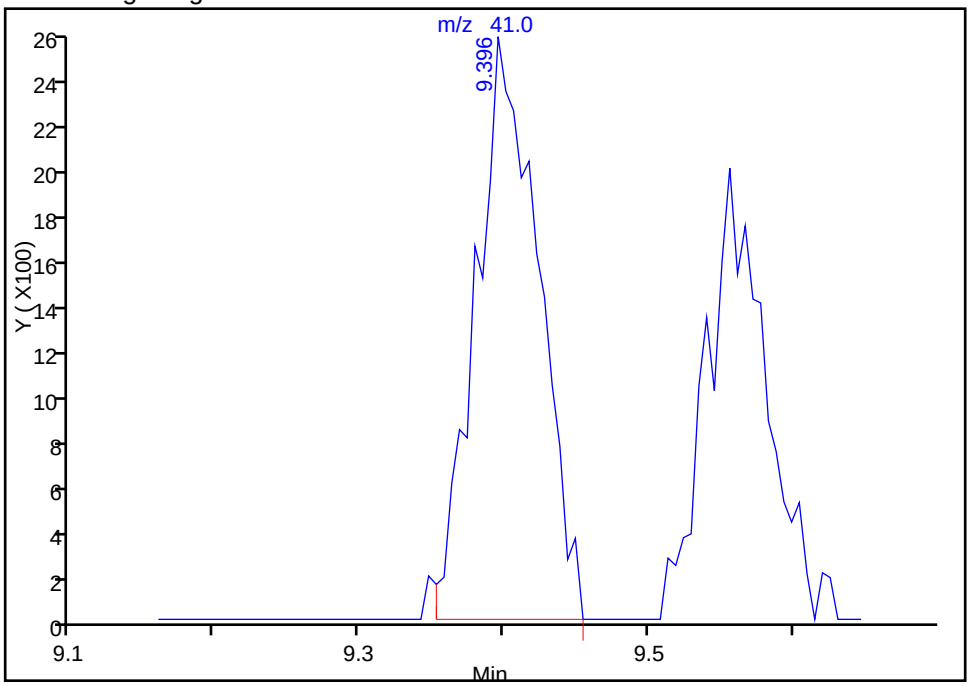
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 3-Chloro-1-propene, CAS: 107-05-1

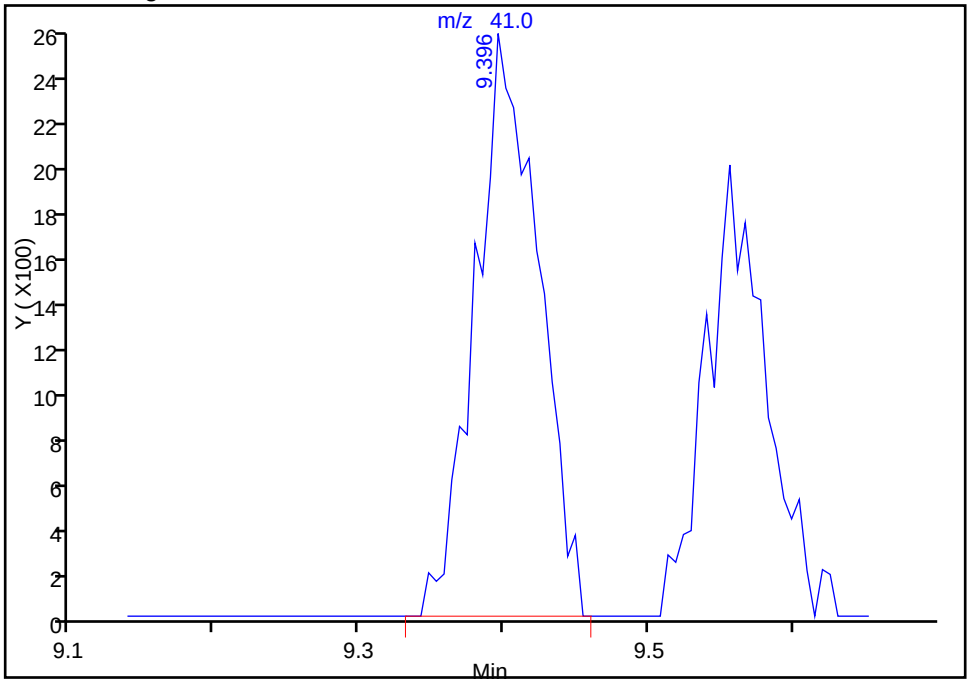
Processing Integration Results

RT: 9.40
Response: 7686
Amount: 0.212438



Manual Integration Results

RT: 9.40
Response: 7746
Amount: 0.189416



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

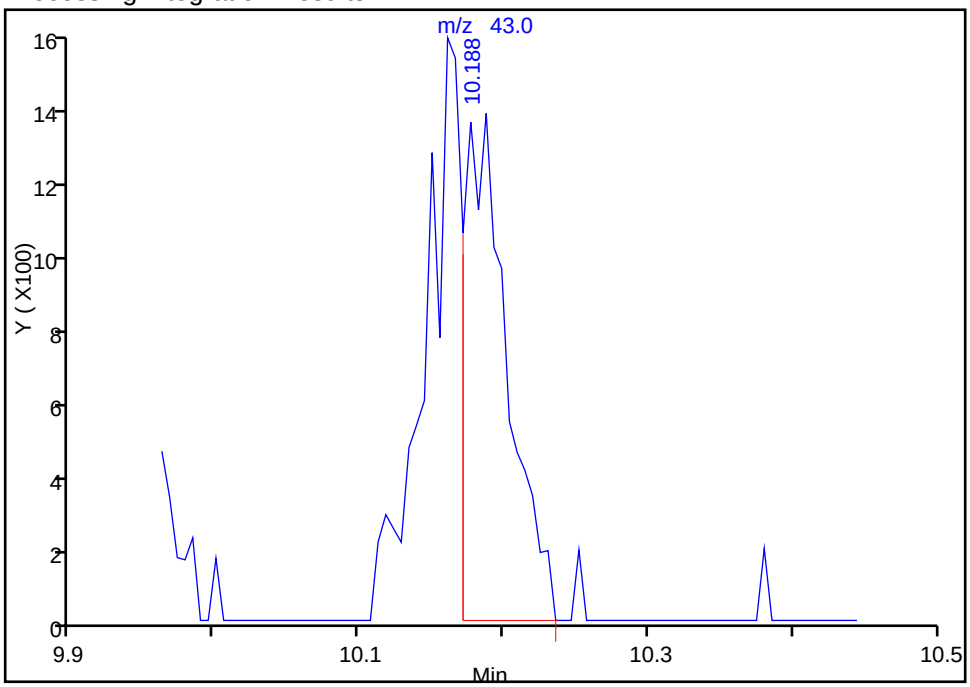
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

33 Methyl tert-butyl ether, CAS: 1634-04-4

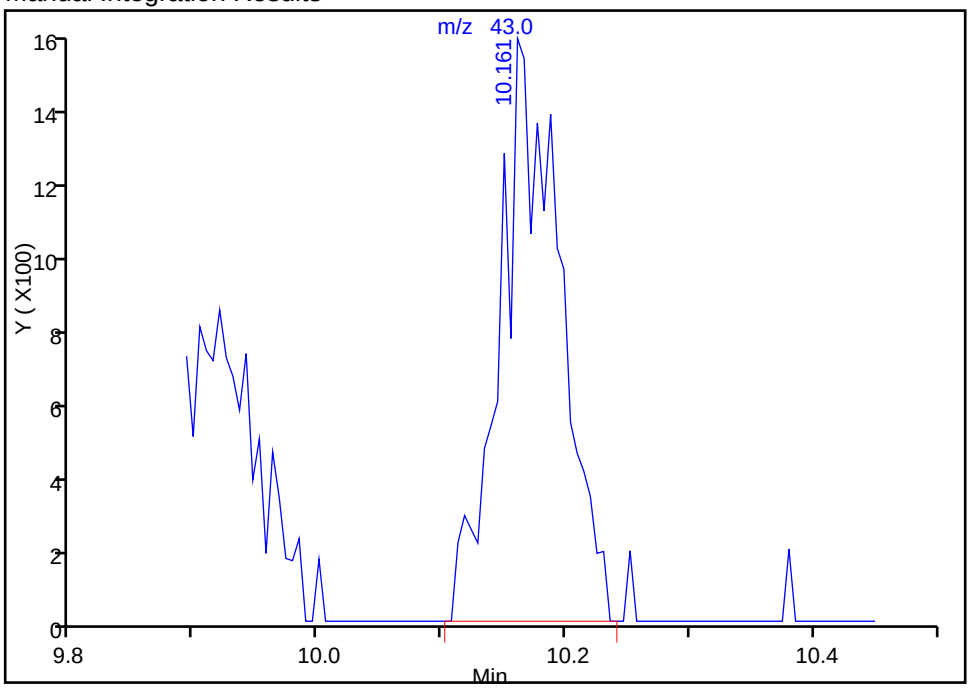
Processing Integration Results

RT: 10.19
Response: 2892
Amount: 0.186665



Manual Integration Results

RT: 10.16
Response: 5374
Amount: 0.166753



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

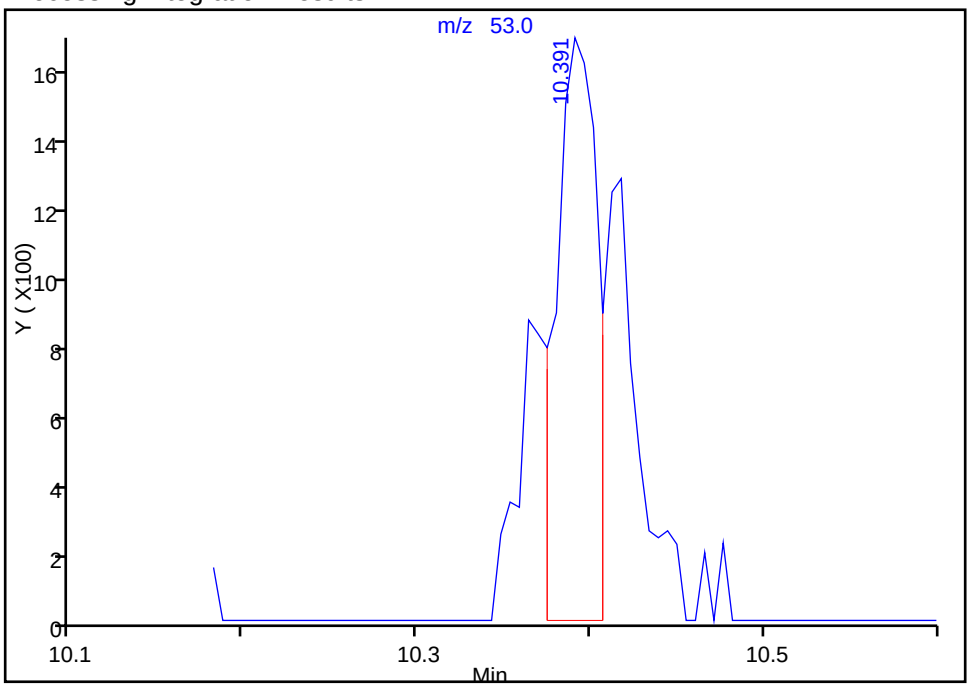
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

35 Acrylonitrile, CAS: 107-13-1

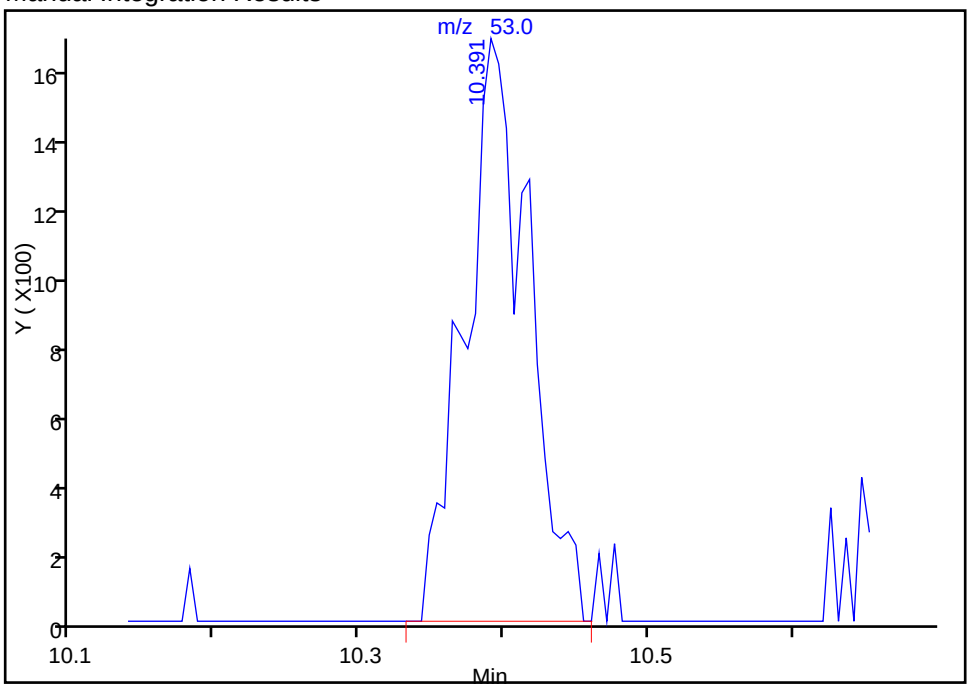
Processing Integration Results

RT: 10.39
Response: 2817
Amount: 0.131257



Manual Integration Results

RT: 10.39
Response: 5168
Amount: 0.200429



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Manual Integration/User Assign Peak Report

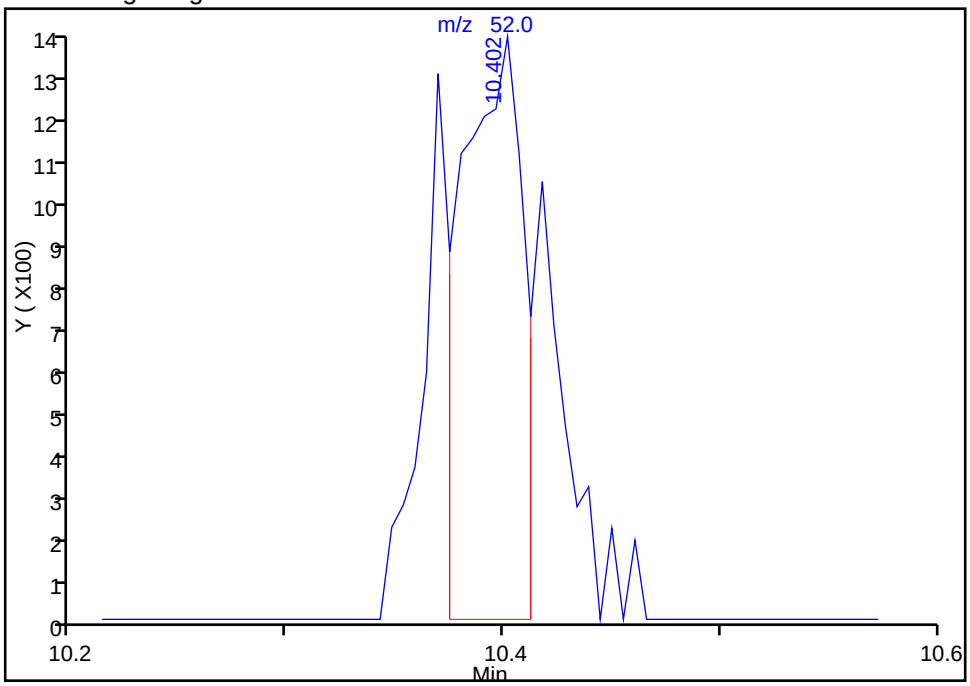
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

35 Acrylonitrile, CAS: 107-13-1

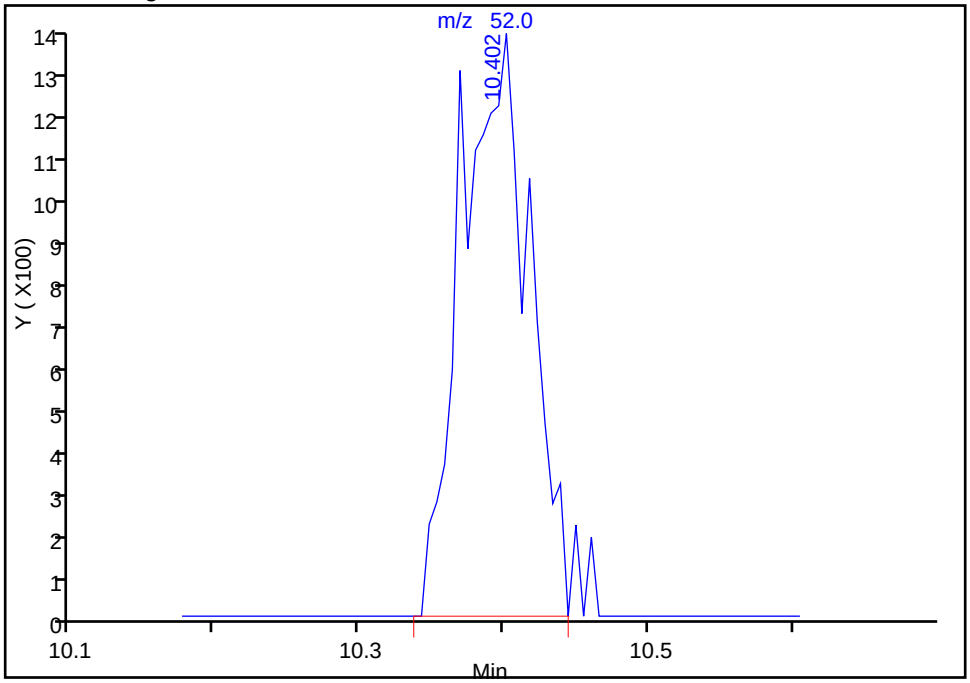
Processing Integration Results

RT: 10.40
Response: 2680
Amount: 0.131257



Manual Integration Results

RT: 10.40
Response: 4372
Amount: 0.200429



Reviewer: lyonsb, 12-Feb-2014 09:18:25
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Manual Integration/User Assign Peak Report

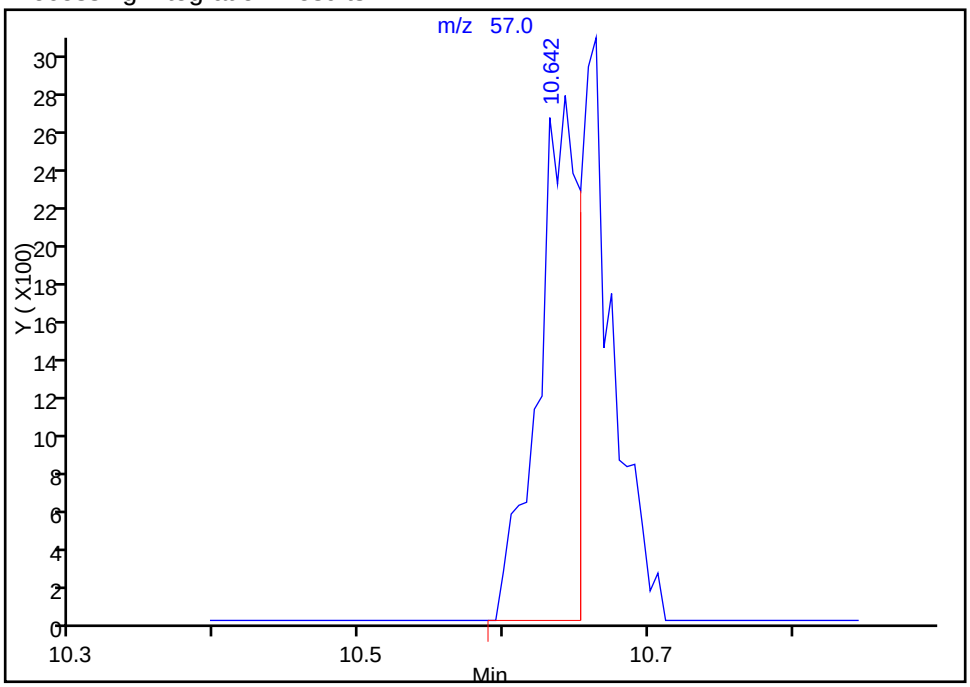
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3

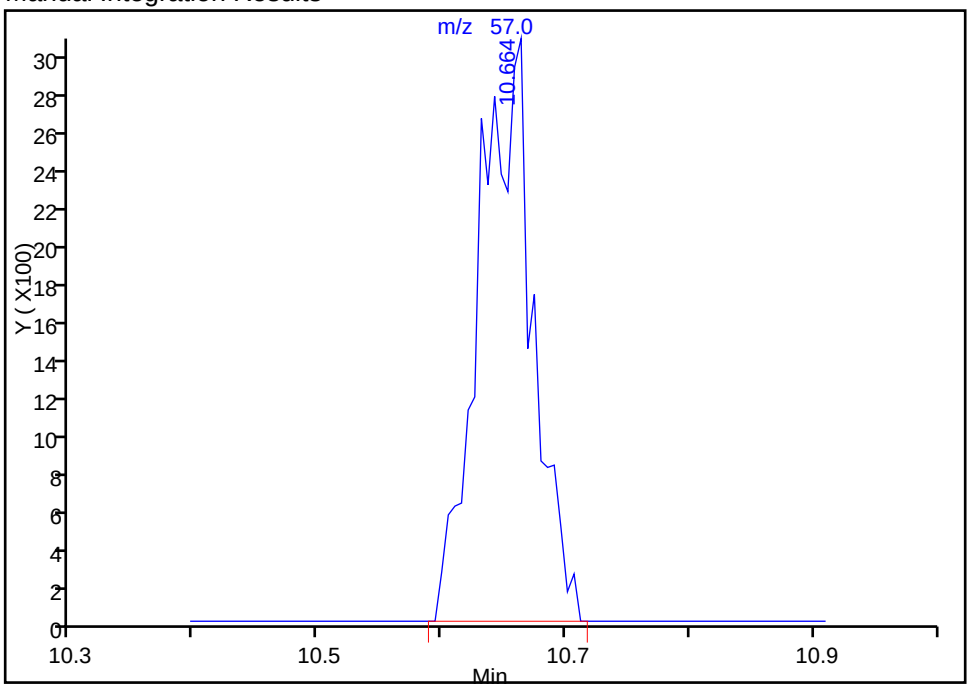
Processing Integration Results

RT: 10.64
Response: 5331
Amount: 0.108649



Manual Integration Results

RT: 10.66
Response: 9334
Amount: 0.160251



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Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

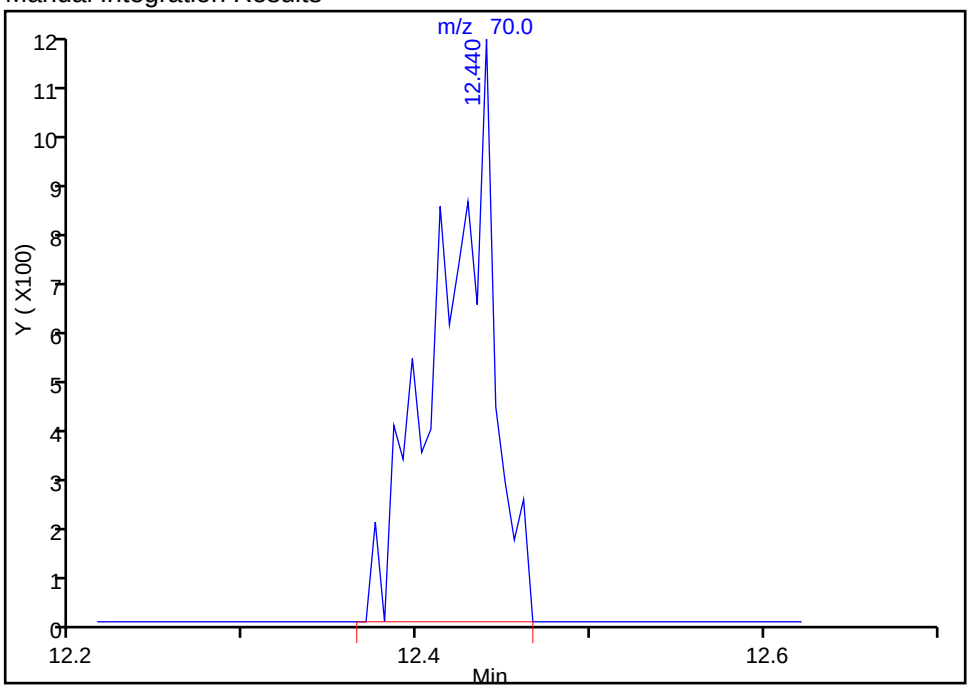
42 Ethyl acetate, CAS: 141-78-6

Processing Integration Results

RT: 12.41
Response: 0
Amount: 0.143118

Manual Integration Results

RT: 12.44
Response: 2453
Amount: 0.189375



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Manual Integration/User Assign Peak Report

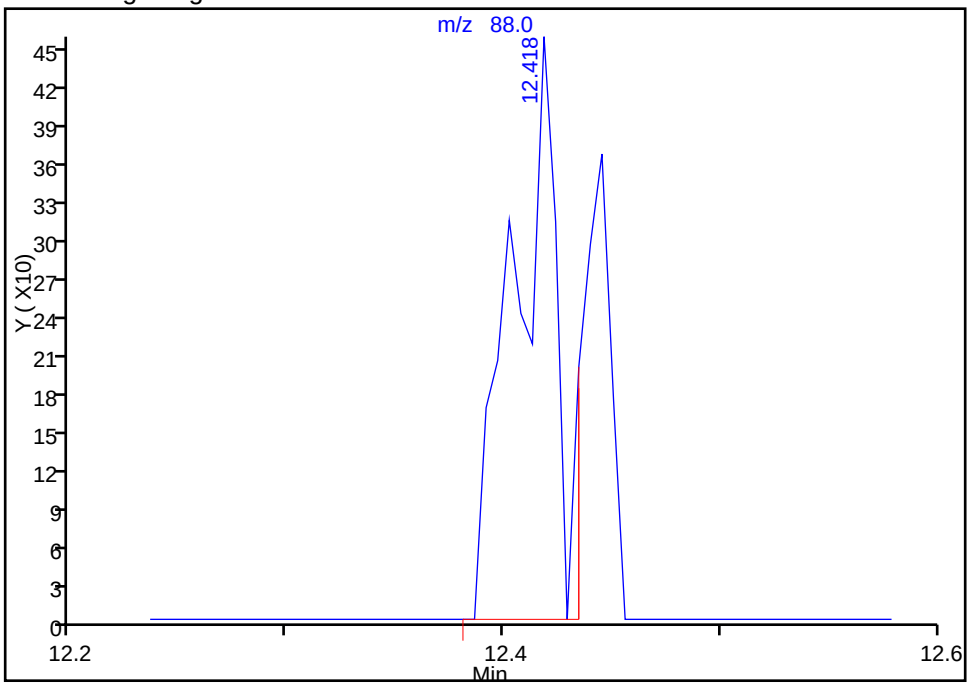
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 Ethyl acetate, CAS: 141-78-6

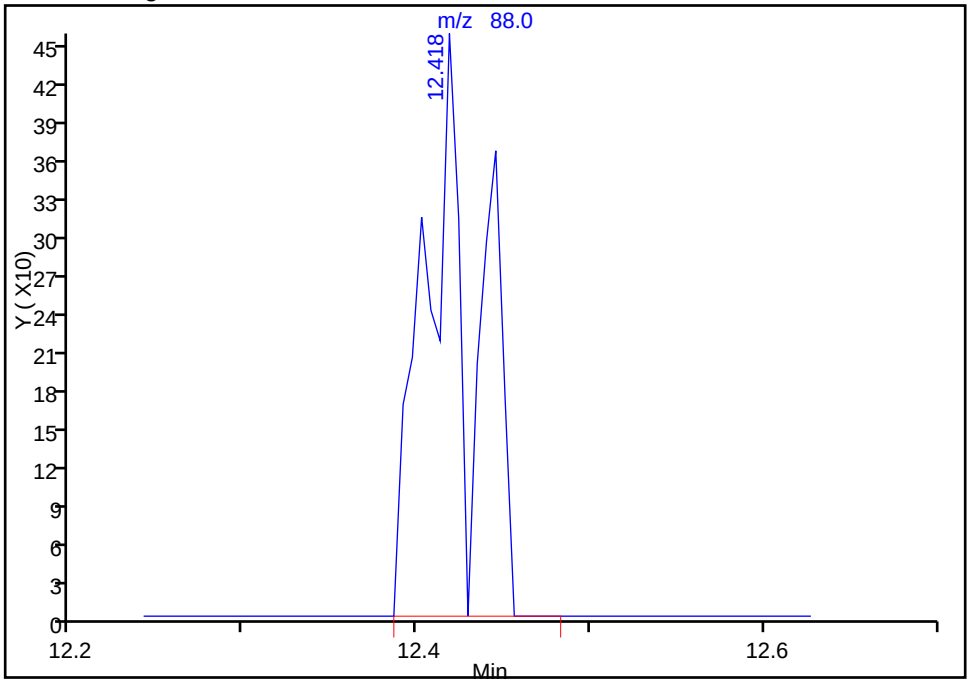
Processing Integration Results

RT: 12.42
Response: 676
Amount: 0.143118



Manual Integration Results

RT: 12.42
Response: 942
Amount: 0.189375



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Manual Integration/User Assign Peak Report

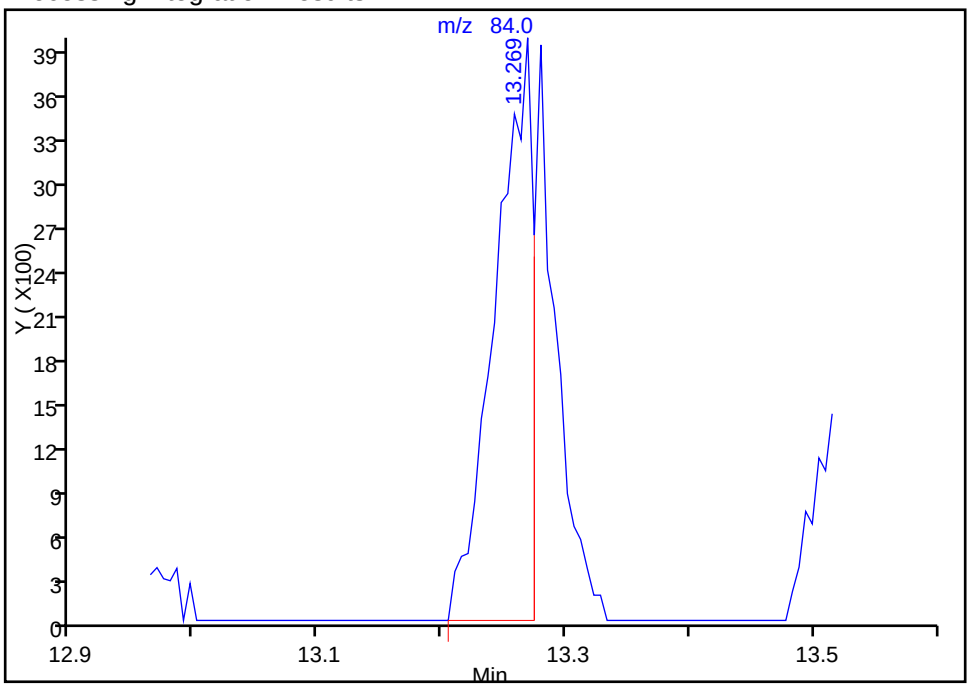
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

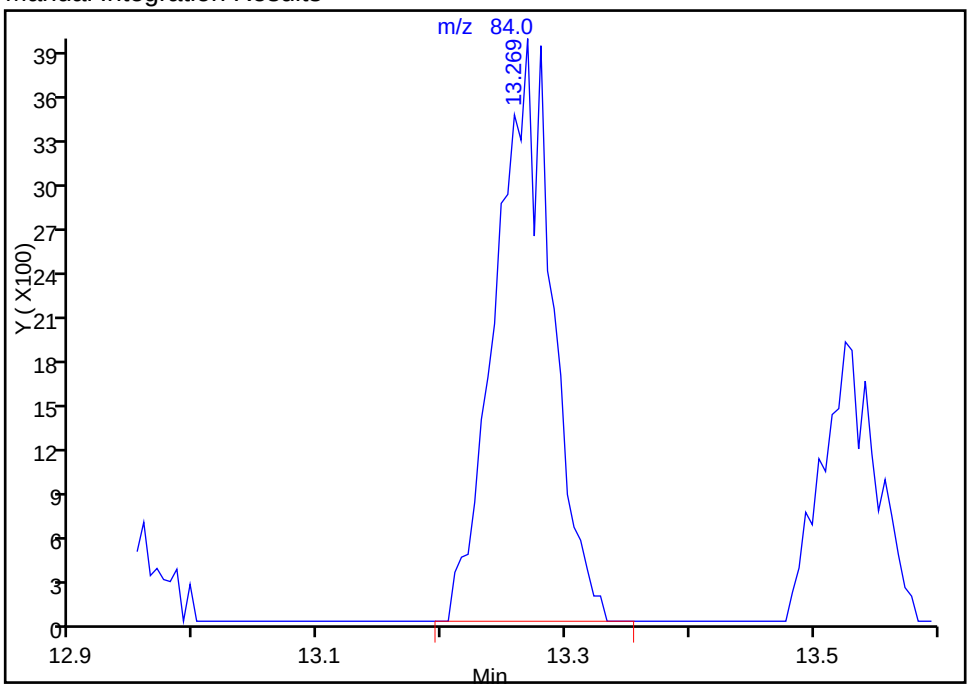
Processing Integration Results

RT: 13.27
Response: 8456
Amount: 0.137490



Manual Integration Results

RT: 13.27
Response: 12613
Amount: 0.173173



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Manual Integration/User Assign Peak Report

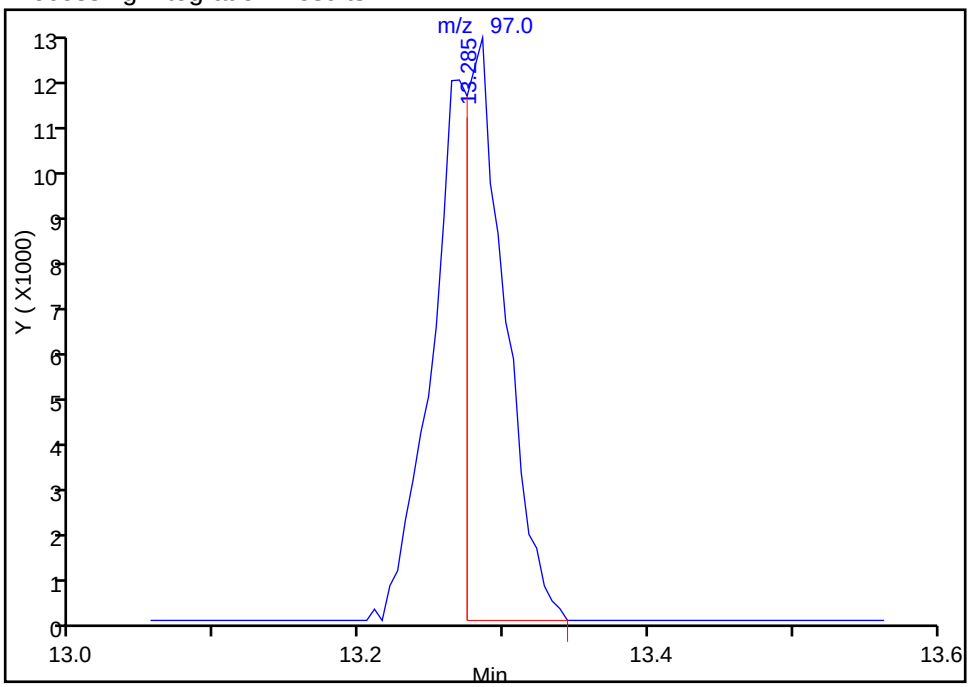
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

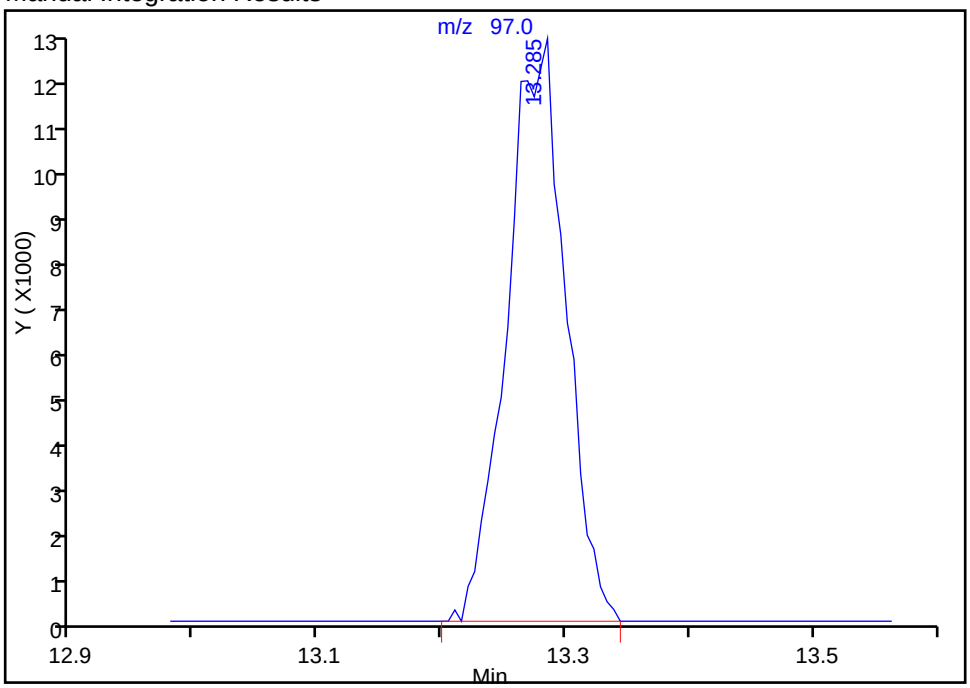
Processing Integration Results

RT: 13.29
Response: 22602
Amount: 0.162437



Manual Integration Results

RT: 13.29
Response: 39303
Amount: 0.236027



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Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

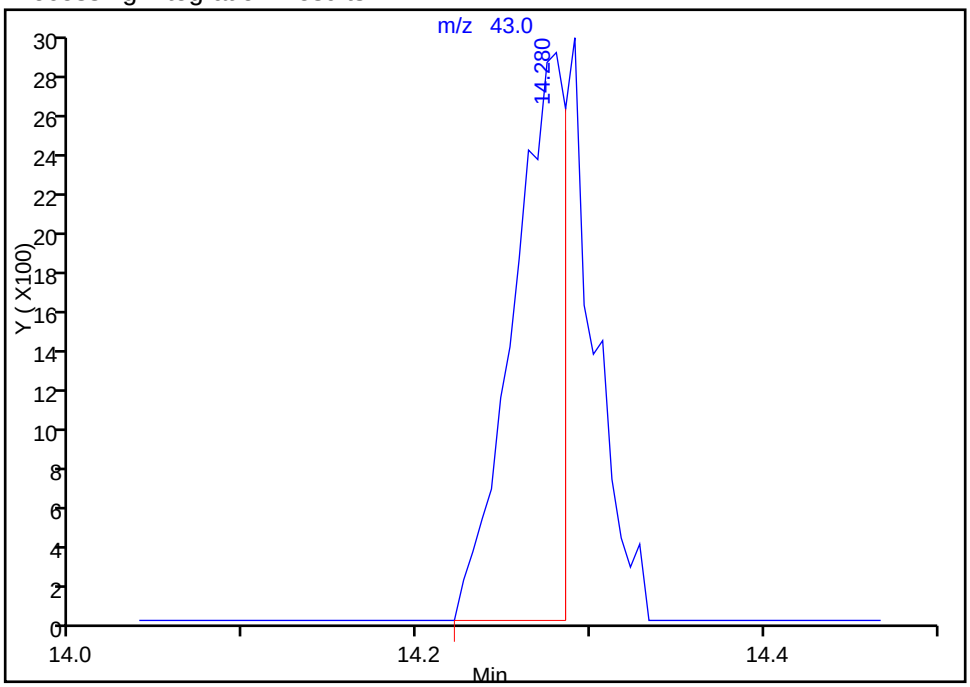
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

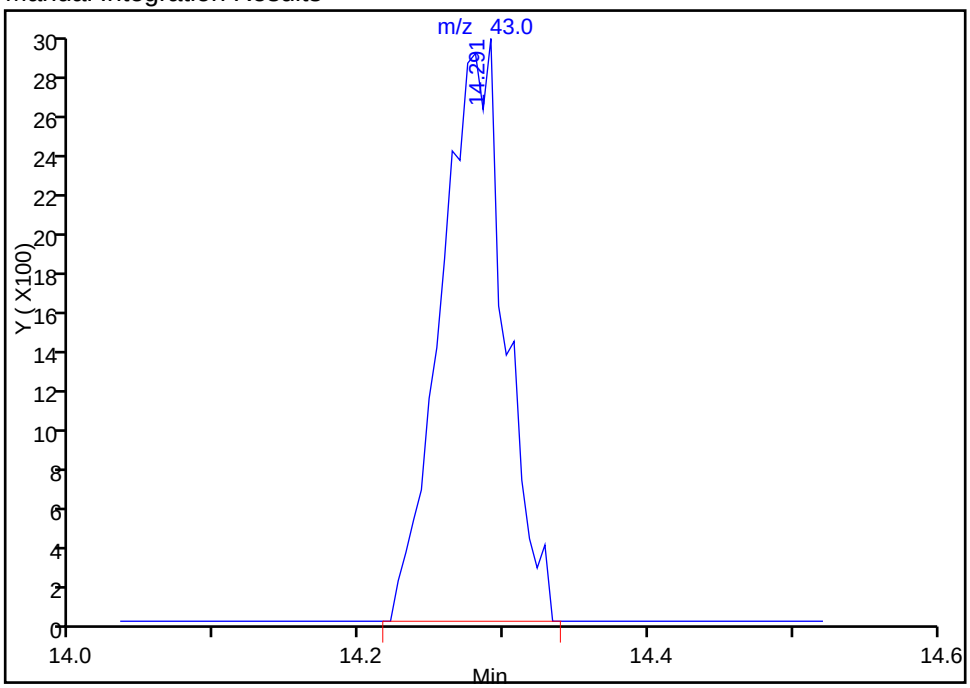
Processing Integration Results

RT: 14.28
Response: 6041
Amount: 0.116642



Manual Integration Results

RT: 14.29
Response: 8920
Amount: 0.147266



Reviewer: lyonsb, 12-Feb-2014 09:18:25
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Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

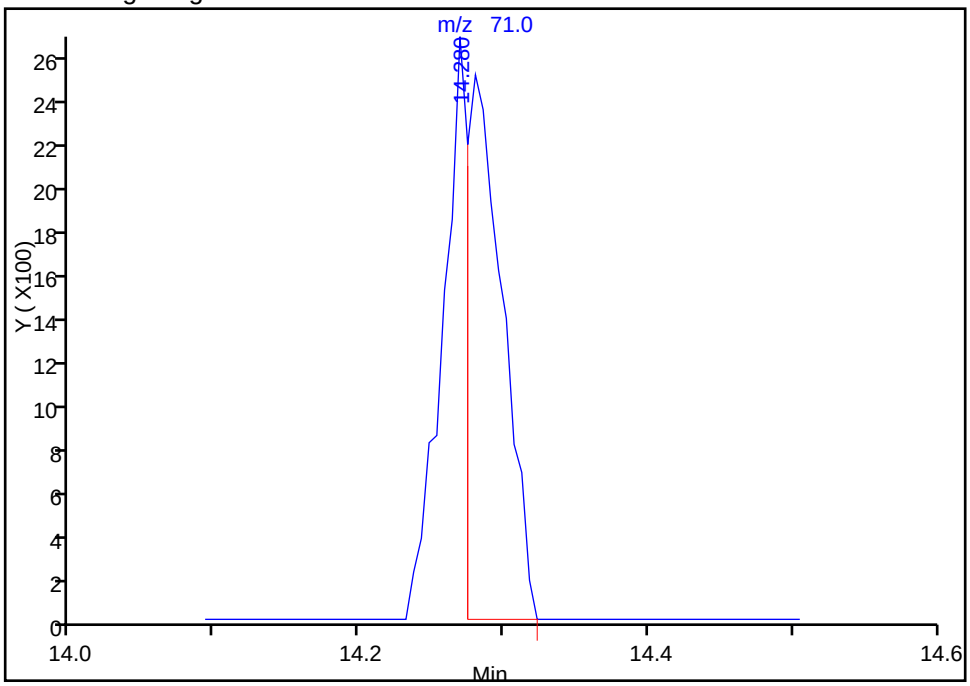
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

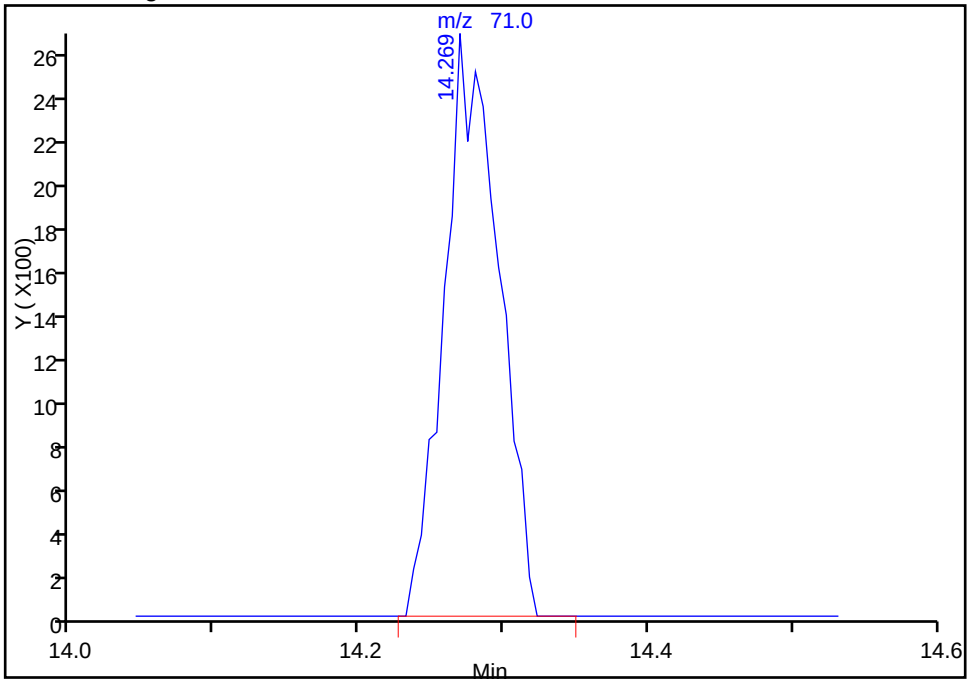
Processing Integration Results

RT: 14.28
Response: 4272
Amount: 0.116642



Manual Integration Results

RT: 14.27
Response: 6875
Amount: 0.147266



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TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

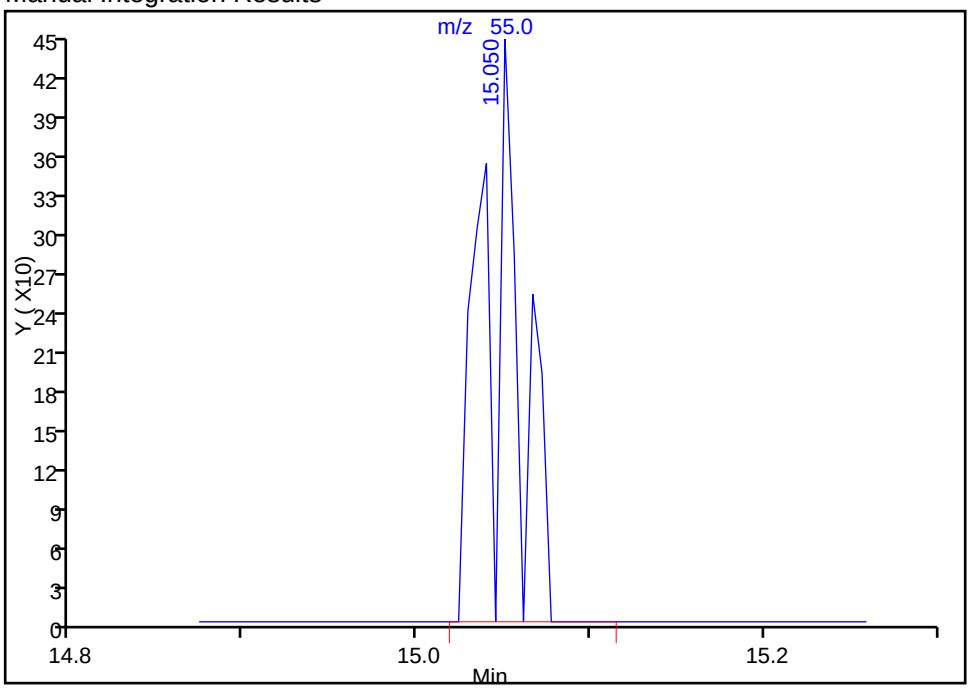
55 n-Butanol, CAS: 71-36-3

Processing Integration Results

RT: 15.02
Response: 0
Amount: 0.170561

Manual Integration Results

RT: 15.05
Response: 667
Amount: 0.154837



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Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

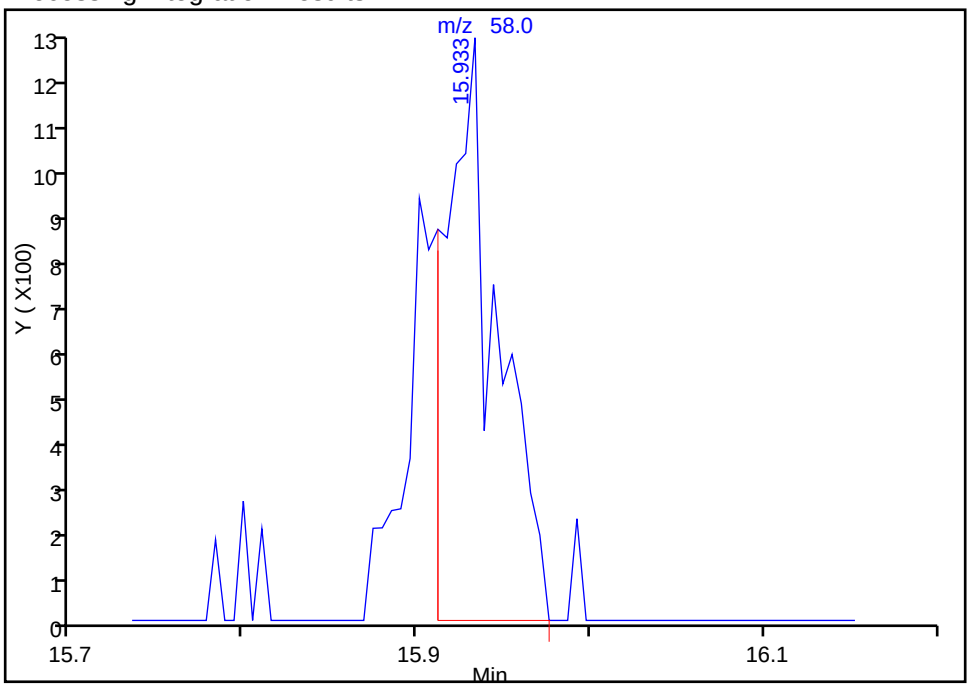
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

60 1,4-Dioxane, CAS: 123-91-1

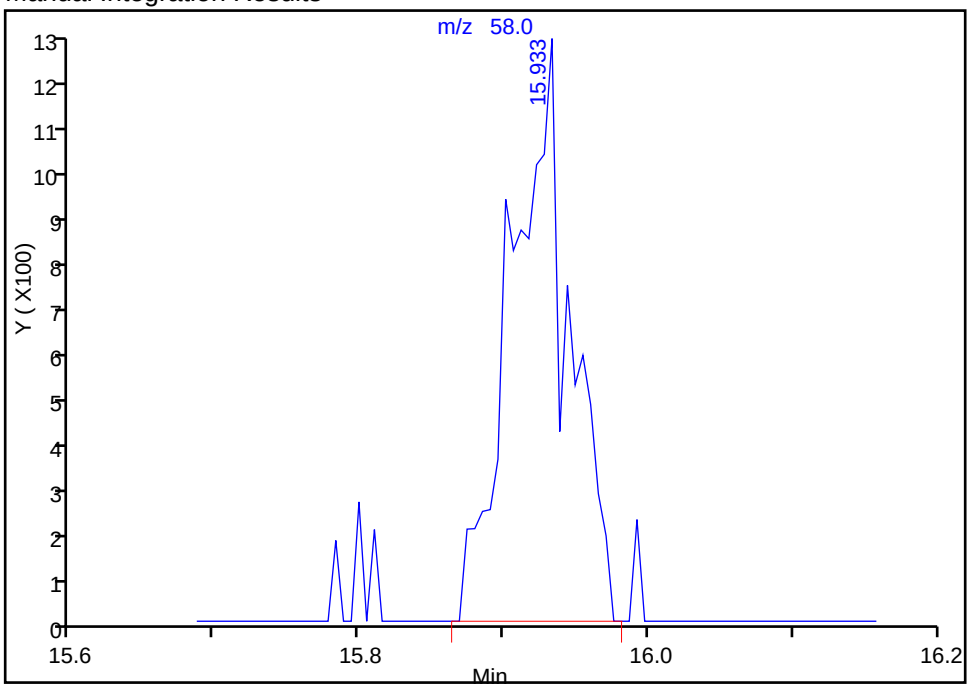
Processing Integration Results

RT: 15.93
Response: 2644
Amount: 0.246008



Manual Integration Results

RT: 15.93
Response: 3606
Amount: 0.209876



Reviewer: lyonsb, 12-Feb-2014 09:18:25
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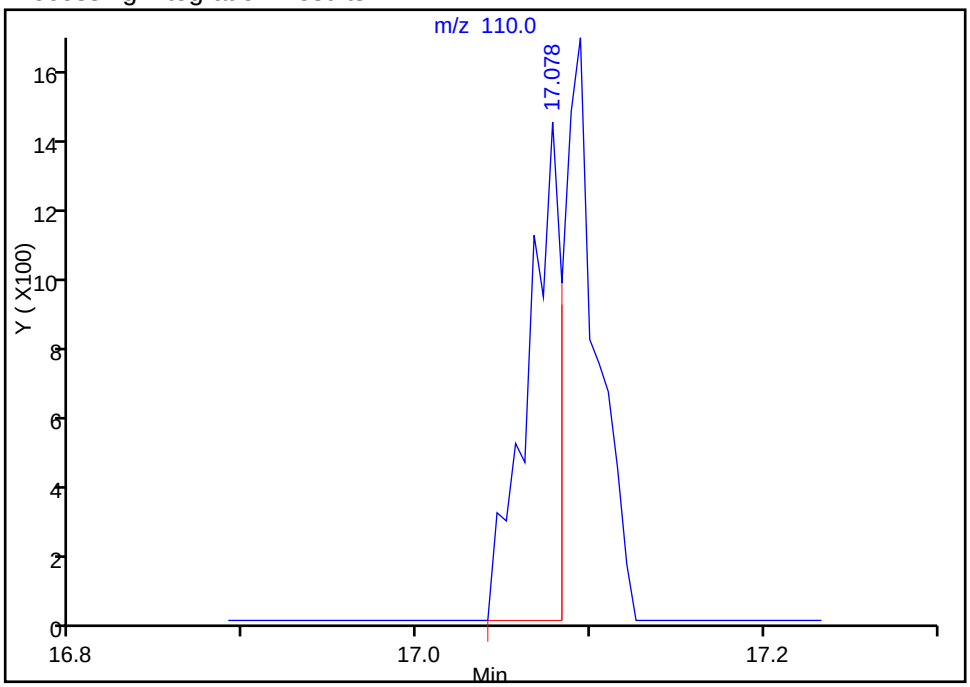
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

64 cis-1,3-Dichloropropene, CAS: 10061-01-5

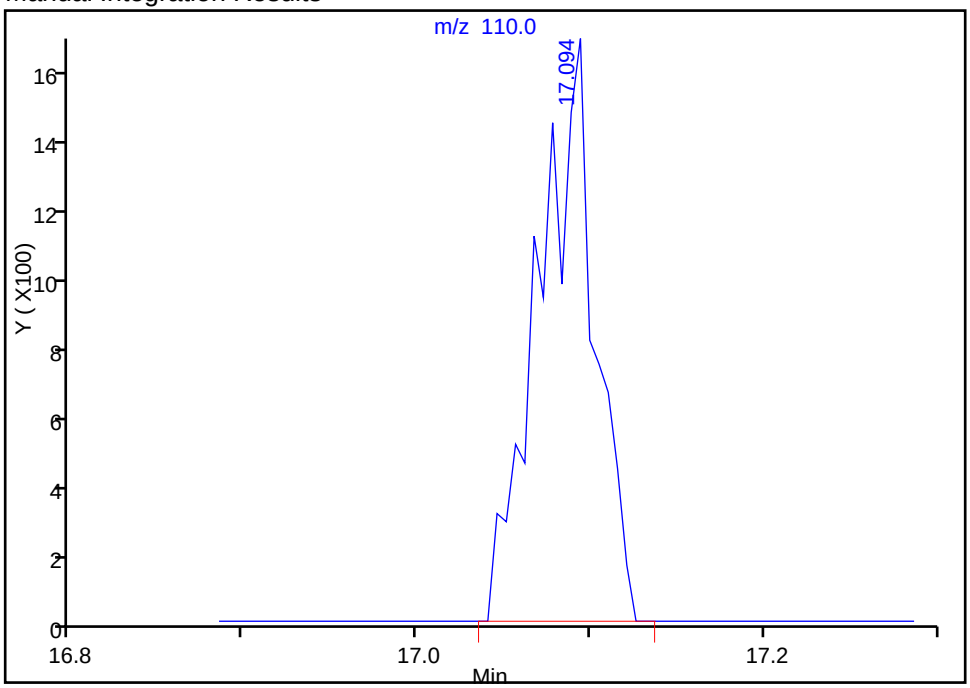
Processing Integration Results

RT: 17.08
Response: 1884
Amount: 0.177105



Manual Integration Results

RT: 17.09
Response: 3753
Amount: 0.157295



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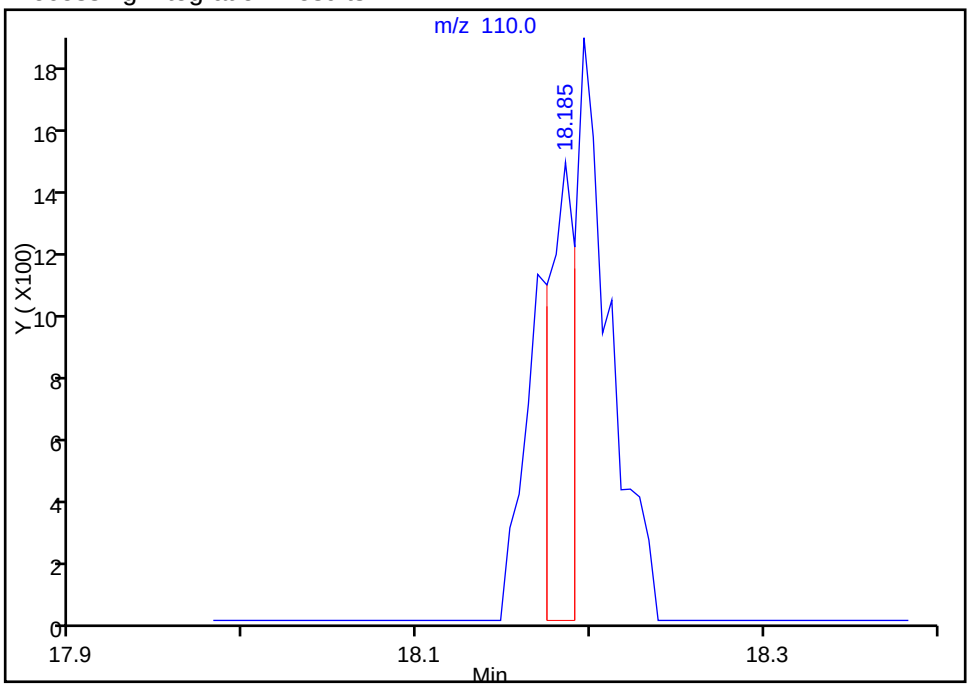
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

70 trans-1,3-Dichloropropene, CAS: 10061-02-6

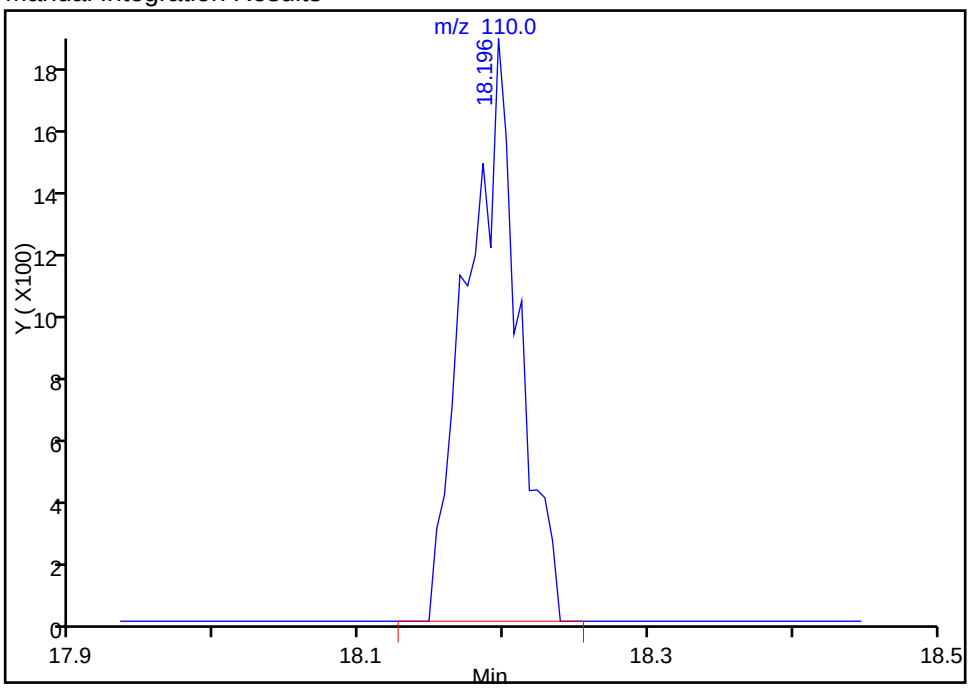
Processing Integration Results

RT: 18.19
Response: 1574
Amount: 0.178080



Manual Integration Results

RT: 18.20
Response: 4572
Amount: 0.158043



Reviewer: lyonsb, 12-Feb-2014 09:18:25
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Manual Integration/User Assign Peak Report

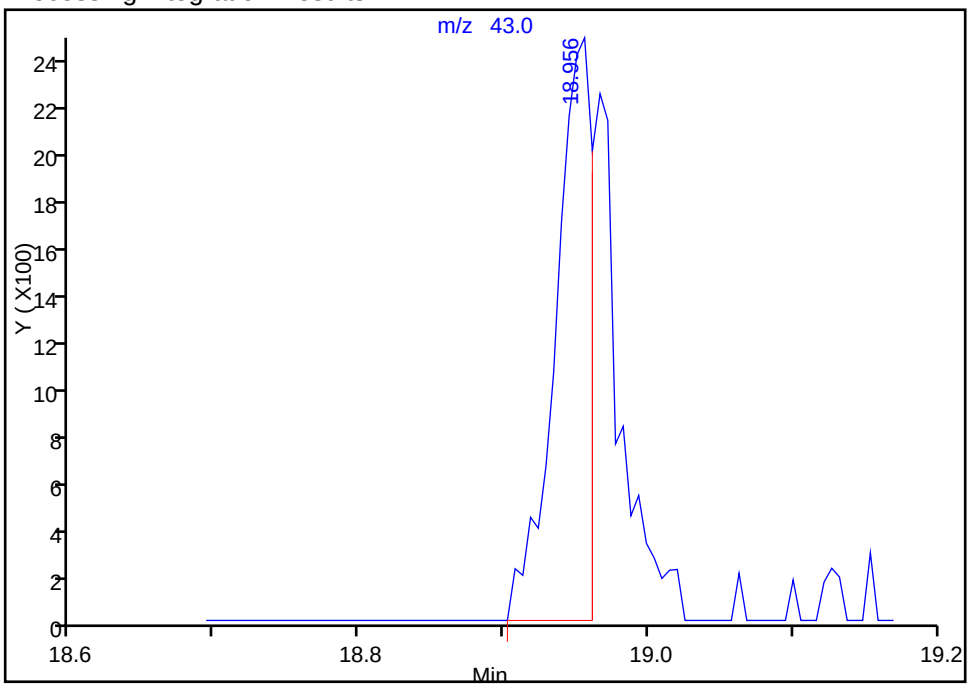
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

73 2-Hexanone, CAS: 591-78-6

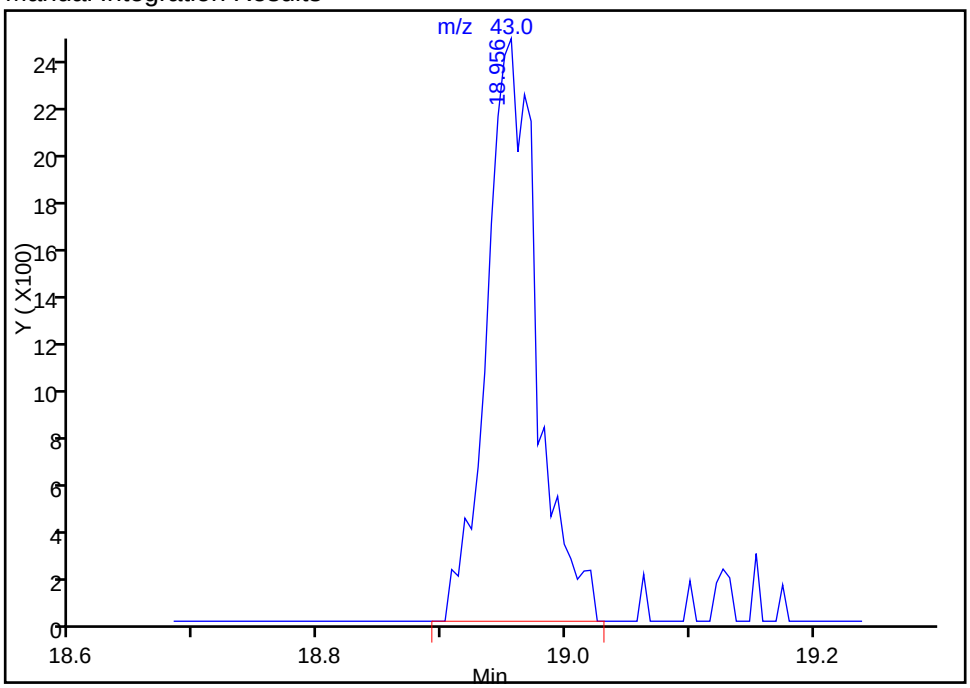
Processing Integration Results

RT: 18.96
Response: 4255
Amount: 0.075021



Manual Integration Results

RT: 18.96
Response: 6782
Amount: 0.094869



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

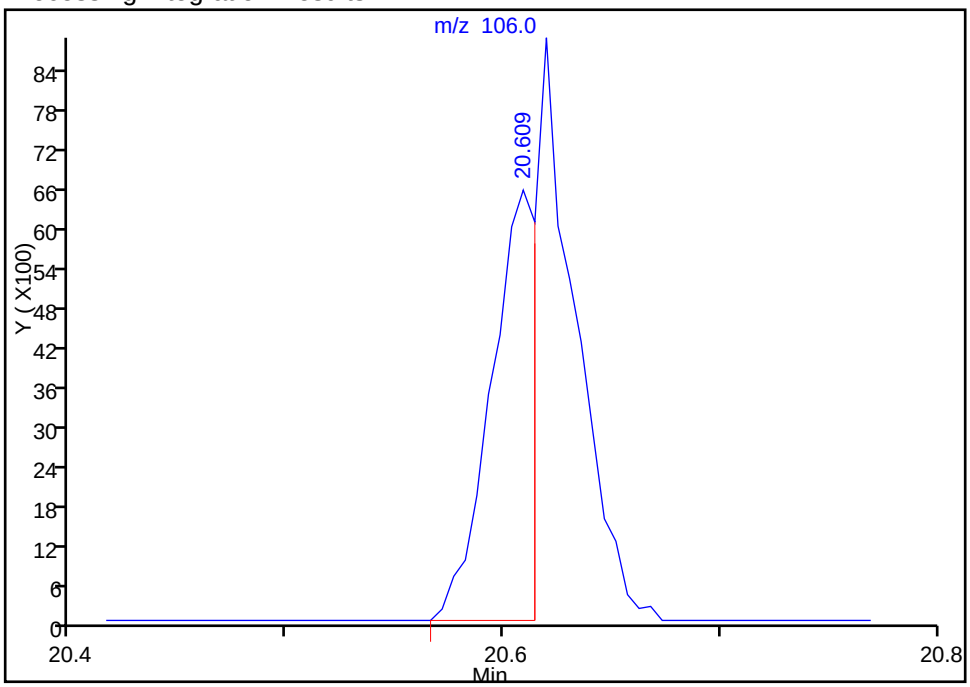
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4

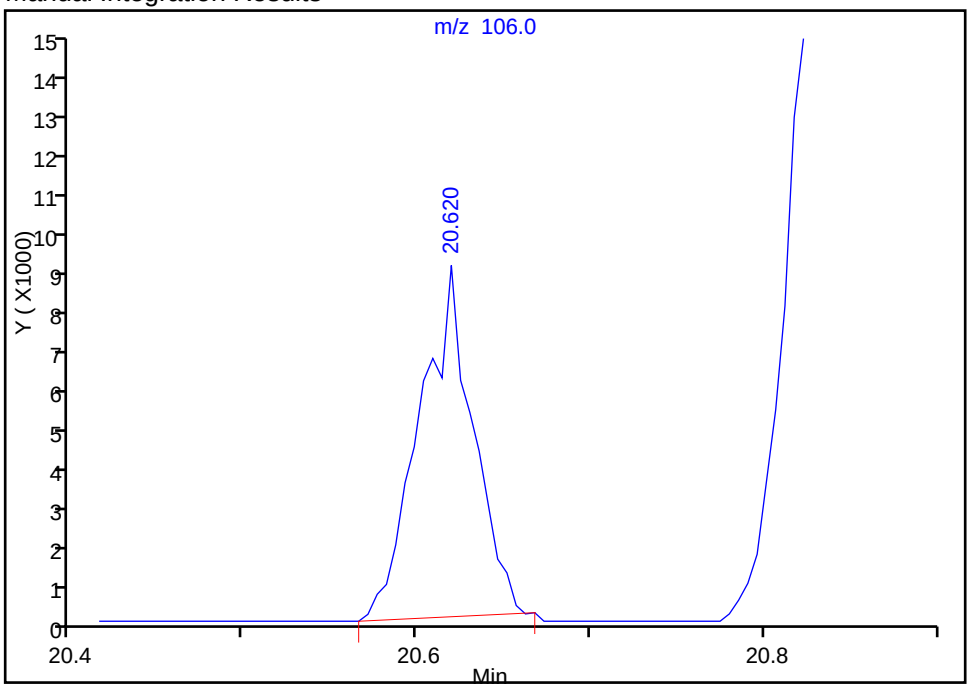
Processing Integration Results

RT: 20.61
Response: 9639
Amount: 0.221726



Manual Integration Results

RT: 20.62
Response: 18809
Amount: 0.198213



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

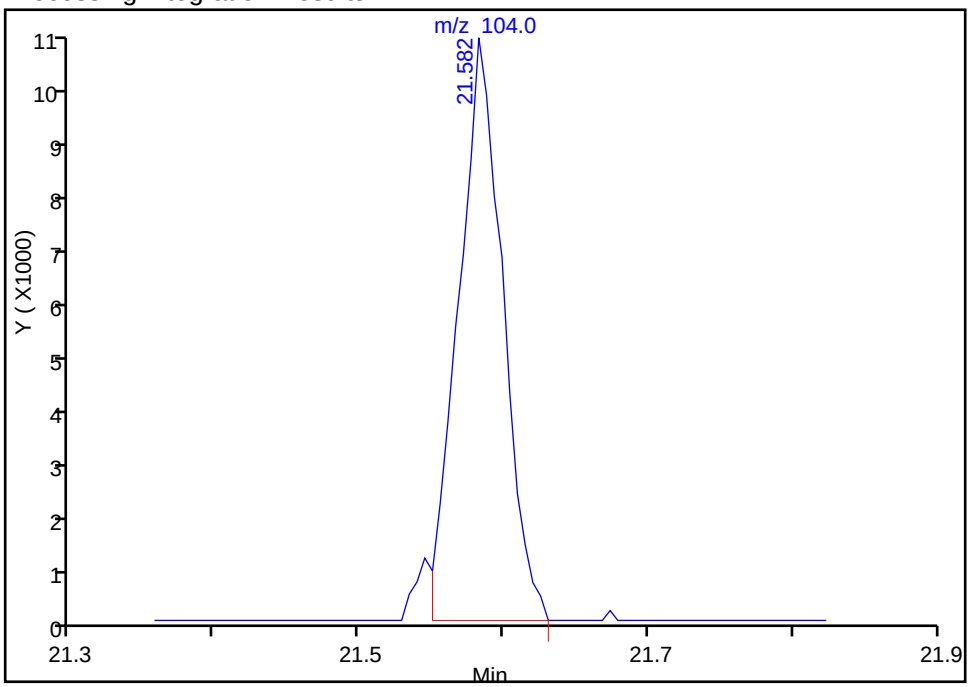
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5

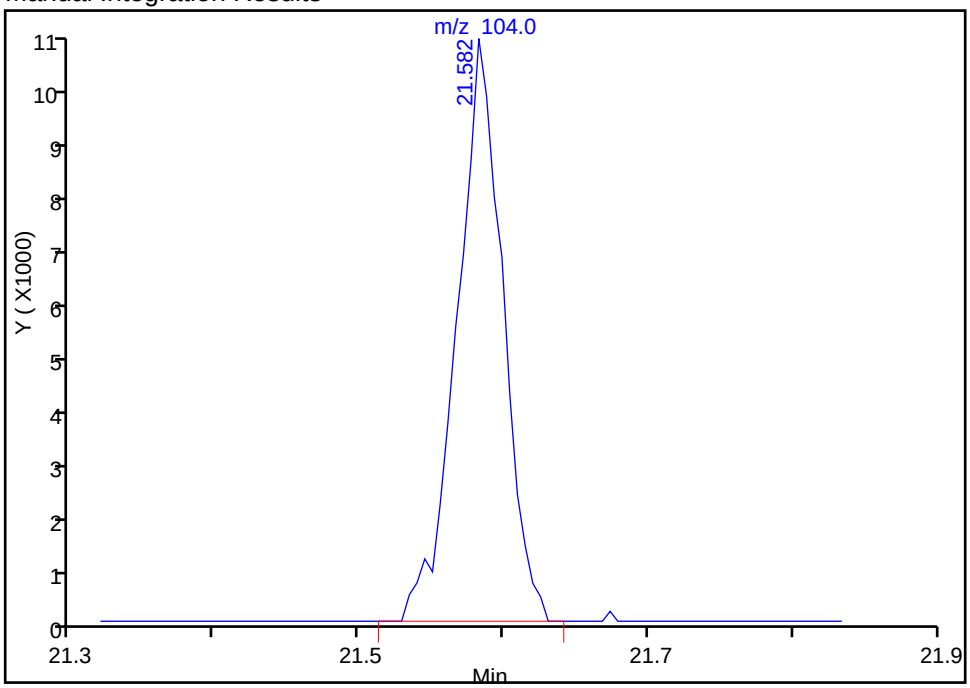
Processing Integration Results

RT: 21.58
Response: 22156
Amount: 0.150275



Manual Integration Results

RT: 21.58
Response: 22885
Amount: 0.136574



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

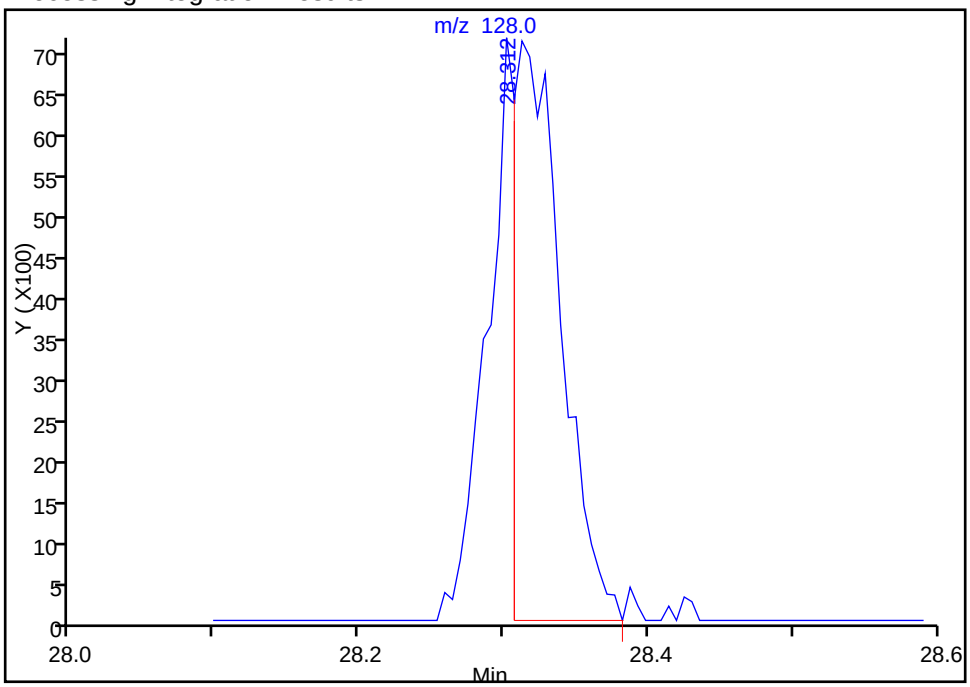
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

109 Naphthalene, CAS: 91-20-3

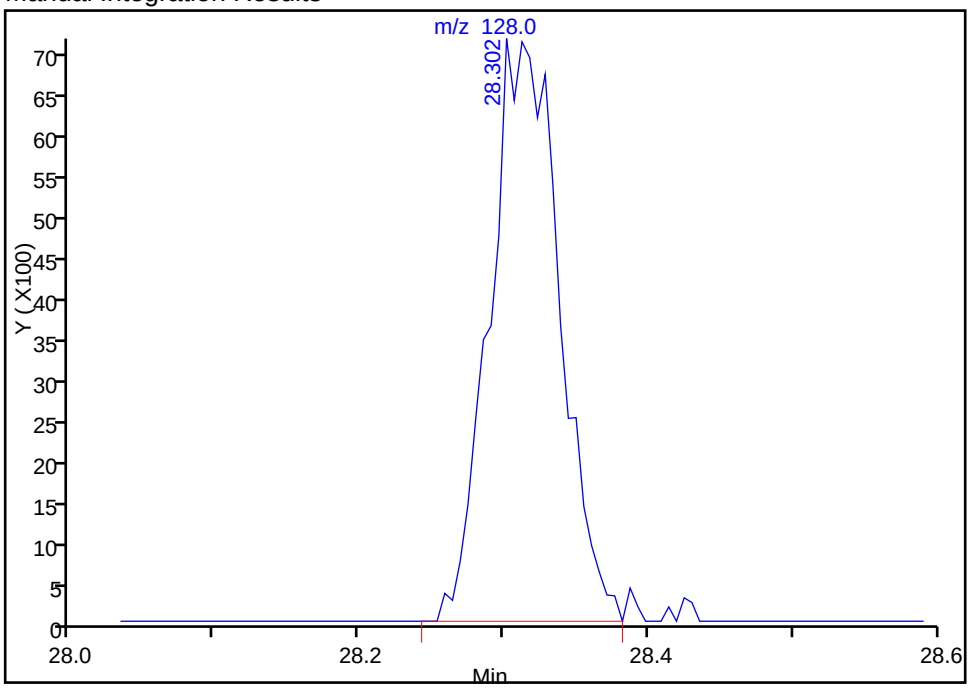
Processing Integration Results

RT: 28.31
Response: 16278
Amount: 0.084564



Manual Integration Results

RT: 28.30
Response: 24028
Amount: 0.099013



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Report Date: 12-Feb-2014 09:35:30 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d
Lims ID: IC Lab Sample ID: Client 200-66936/5-A
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-Feb-2014 20:50:30 ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-006
Misc. Info.: IC 03
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:35:29 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:15:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.389	4.383	0.006	94	17418	0.5771	
2 Dichlorodifluoromethane	85	4.474	4.479	-0.005	98	123434	0.5903	
6 Chlorodifluoromethane	51	4.544	4.544	0.0	70	45396	0.5731	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.833	4.832	0.001	85	98986	0.5551	
8 Chloromethane	50	5.025	5.025	0.0	99	20727	0.5758	
9 Butane	43	5.293	5.287	0.006	94	30101	0.5161	
10 Vinyl chloride	62	5.346	5.346	0.0	92	24999	0.4827	
11 Butadiene	54	5.437	5.442	-0.005	88	14783	0.4640	
13 BFB								
12 Bromomethane	94	6.309	6.314	-0.005	92	27701	0.5172	
14 Chloroethane	64	6.598	6.598	0.0	94	15205	0.5517	
15 2-Methylbutane	43	6.694	6.678	0.016	82	21929	0.4927	
16 Vinyl bromide	106	7.074	7.079	-0.005	94	34512	0.4835	
17 Trichlorofluoromethane	101	7.197	7.192	0.005	95	127882	0.5456	
18 Pentane	43	7.352	7.357	-0.005	87	27914	0.4475	
19 Ethanol	45	7.802	7.796	0.006	97	66654	5.10	
21 Ethyl ether	59	7.941	7.941	0.0	87	15093	0.4624	
22 Acrolein	56	8.417	8.406	0.011	46	7793	0.5681	M
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.444	8.443	0.001	90	79395	0.5413	
24 1,1-Dichloroethene	96	8.524	8.518	0.006	85	30544	0.4835	
25 Acetone	43	8.759	8.748	0.011	87	148057	2.23	
26 Carbon disulfide	76	9.000	9.000	0.0	98	76631	0.5266	
27 Isopropyl alcohol	45	9.043	9.032	0.011	90	27582	0.4959	
29 3-Chloro-1-propene	41	9.412	9.406	0.006	79	17007	0.3785	
30 Acetonitrile	41	9.551	9.535	0.016	96	12533	0.5151	
31 Methylene Chloride	49	9.744	9.733	0.011	73	28417	0.6147	
32 2-Methyl-2-propanol	59	9.909	9.904	0.005	94	37886	0.3754	
33 Methyl tert-butyl ether	73	10.177	10.161	0.016	96	64978	0.3885	
S 41 1,2-Dichloroethene, Total	61				0		0.9863	
34 trans-1,2-Dichloroethene	61	10.230	10.236	-0.006	91	38176	0.5012	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
35 Acrylonitrile	53	10.396	10.385	0.011	91	12951	0.4572		M
36 Hexane	57	10.658	10.653	0.005	84	26195	0.4093		
37 1,1-Dichloroethane	63	11.199	11.199	0.0	94	50341	0.4911		
38 Vinyl acetate	43	11.236	11.236	0.0	97	33466	0.3514		
39 cis-1,2-Dichloroethene	96	12.381	12.375	0.006	83	32364	0.4850		M
40 2-Butanone (MEK)	72	12.402	12.392	0.010	100	16509	0.5873		
42 Ethyl acetate	88	12.419	12.413	0.005	92	2650	0.4849		
44 Tetrahydrofuran	42	12.863	12.846	0.017	30	17090	0.4161		
* 43 Chlorobromomethane	128	12.857	12.852	0.005	68	457214	10.0		
45 Chloroform	83	12.964	12.964	0.0	93	82871	0.5409		
46 Cyclohexane	84	13.264	13.264	0.0	71	33475	0.4224		
47 1,1,1-Trichloroethane	97	13.274	13.280	-0.006	93	92001	0.5077		
48 Carbon tetrachloride	117	13.526	13.531	-0.005	97	101161	0.4888		
51 Isooctane	57	13.927	13.927	0.0	96	82834	0.3924		
50 Benzene	78	13.986	13.986	0.0	93	98915	0.5229		
52 1,2-Dichloroethane	62	14.146	14.141	0.005	98	47698	0.4982		
53 n-Heptane	43	14.286	14.275	0.011	77	26991	0.4095		
* 54 1,4-Difluorobenzene	114	14.746	14.745	0.001	92	2170848	10.0		
A 57 GRO	1	14.769	6.668 - 22.871		0	13003444	0		
55 n-Butanol	56	15.045	15.024	0.021	89	6839	0.2913		
56 Trichloroethene	95	15.211	15.211	0.0	90	47767	0.4905		
58 1,2-Dichloropropane	63	15.735	15.730	0.005	83	28669	0.4975		
59 Methyl methacrylate	69	15.816	15.815	0.001	76	23159	0.3877		
60 1,4-Dioxane	88	15.923	15.901	0.022	79	12644	0.3818		
61 Dibromomethane	174	15.971	15.970	0.001	87	62781	0.5256		
62 Dichlorobromomethane	83	16.222	16.222	0.0	94	83907	0.5032		
A 63 TVOC as Toluene	1	16.631	4.373 - 28.889		0	22022390	139.9		
64 cis-1,3-Dichloropropene	75	17.089	17.083	0.006	87	34655	0.3675		
65 4-Methyl-2-pentanone (MIBK)	43	17.324	17.324	0.0	93	31716	0.3434		
A 68 C8 Range	1	17.656	17.606 - 17.706		0	513321	NC		
69 n-Octane	43	17.656	17.656	0.0	70	37852	0.4334		
66 Toluene	92	17.661	17.661	0.0	93	73260	0.5265		
A 67 Toluene Range	1	17.661	17.621 - 17.701		0	513321	NC		
70 trans-1,3-Dichloropropene	75	18.185	18.191	-0.006	93	44645	0.4126		
71 1,1,2-Trichloroethane	83	18.560	18.560	0.0	89	35957	0.5182		M
72 Tetrachloroethene	166	18.694	18.699	-0.005	90	88985	0.5139		
73 2-Hexanone	43	18.956	18.950	0.006	90	21708	0.2771		
74 Chlorodibromomethane	129	19.314	19.314	0.0	96	93585	0.4856		
75 Ethylene Dibromide	107	19.598	19.603	-0.005	98	66106	0.4696		
S 82 Xylenes, Total	106				0		1.49		
* 76 Chlorobenzene-d5	117	20.443	20.443	0.0	83	1918800	10.0		
77 Chlorobenzene	112	20.497	20.502	-0.005	58	129862	0.5579		
78 Ethylbenzene	91	20.614	20.614	0.0	94	155744	0.4790		
79 n-Nonane	57	20.678	20.673	0.005	76	53782	0.4957		
80 m-Xylene & p-Xylene	106	20.834	20.833	0.001	100	139833	1.07		
83 o-Xylene	106	21.550	21.545	0.005	94	52242	0.4221		
84 Styrene	104	21.588	21.582	0.006	95	77369	0.4213		
85 Bromoform	173	21.957	21.962	-0.005	99	92486	0.4772		
86 Isopropylbenzene	105	22.112	22.112	0.0	95	172015	0.4520		
$ 87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1305509	NC		
88 1,1,2,2-Tetrachloroethane	83	22.669	22.668	0.001	90	103396	0.5483		
90 N-Propylbenzene	91	22.743	22.743	0.0	99	219094	0.4948		

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.770	22.770	0.0	87	83276	0.5739	
93	n-Decane	57	22.856	22.861	-0.005	81	72633	0.4783	
91	4-Ethyltoluene	105	22.915	22.909	0.006	96	226925	0.5357	
92	2-Chlorotoluene	91	22.941	22.946	-0.005	85	201834	0.5449	
94	1,3,5-Trimethylbenzene	105	23.000	23.005	-0.005	92	208827	0.5327	
95	Alpha Methyl Styrene	118	23.353	23.353	0.0	91	53663	0.3285	
96	tert-Butylbenzene	119	23.476	23.481	-0.005	91	204550	0.5372	
97	1,2,4-Trimethylbenzene	105	23.573	23.572	0.001	96	192945	0.5157	
98	sec-Butylbenzene	105	23.808	23.808	0.0	98	274870	0.5331	
99	4-Isopropyltoluene	119	24.017	24.011	0.006	88	228988	0.5050	
100	1,3-Dichlorobenzene	146	24.081	24.081	0.0	98	143765	0.5272	
101	1,4-Dichlorobenzene	146	24.220	24.225	-0.005	97	120110	0.4732	
102	Benzyl chloride	91	24.434	24.434	0.0	98	70400	0.3088	
104	Undecane	57	24.632	24.626	0.006	84	60243	0.3912	
103	n-Butylbenzene	91	24.648	24.653	-0.005	96	183834	0.5345	
105	1,2-Dichlorobenzene	146	24.835	24.830	0.005	98	136043	0.5125	
106	Dodecane	57	26.435	26.434	0.001	75	6657	0.0661	M
107	1,2,4-Trichlorobenzene	180	27.735	27.724	0.011	82	40734	0.2987	
108	Hexachlorobutadiene	225	27.927	27.927	0.0	94	117807	0.5462	
109	Naphthalene	128	28.323	28.312	0.011	81	47038	0.1769	M
110	1,2,3-Trichlorobenzene	180	28.880	28.879	0.001	90	35855	0.2822	

QC Flag Legend

Review Flags
M - Manually Integrated

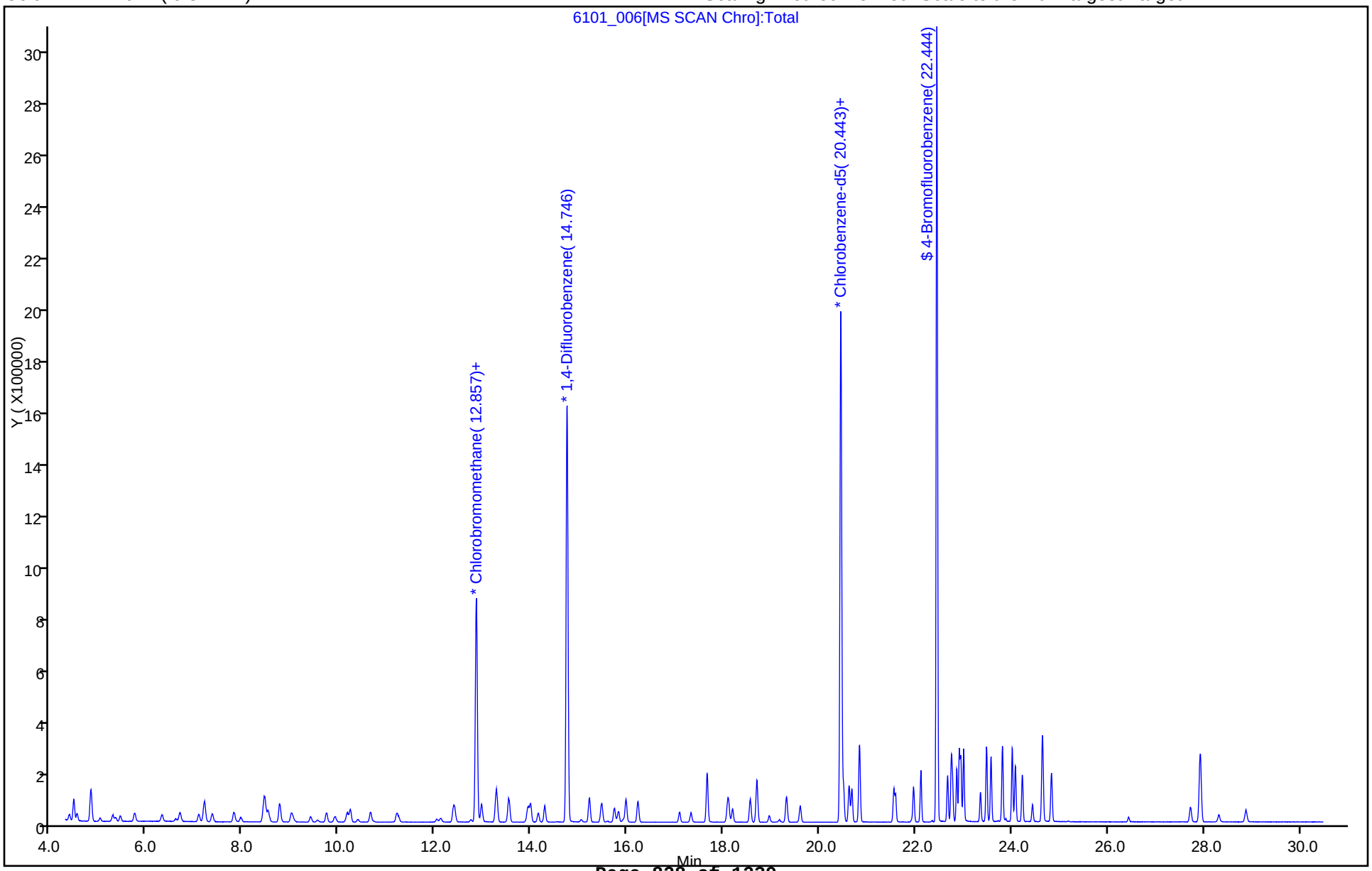
Report Date: 12-Feb-2014 09:35:30 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d

Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A	Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

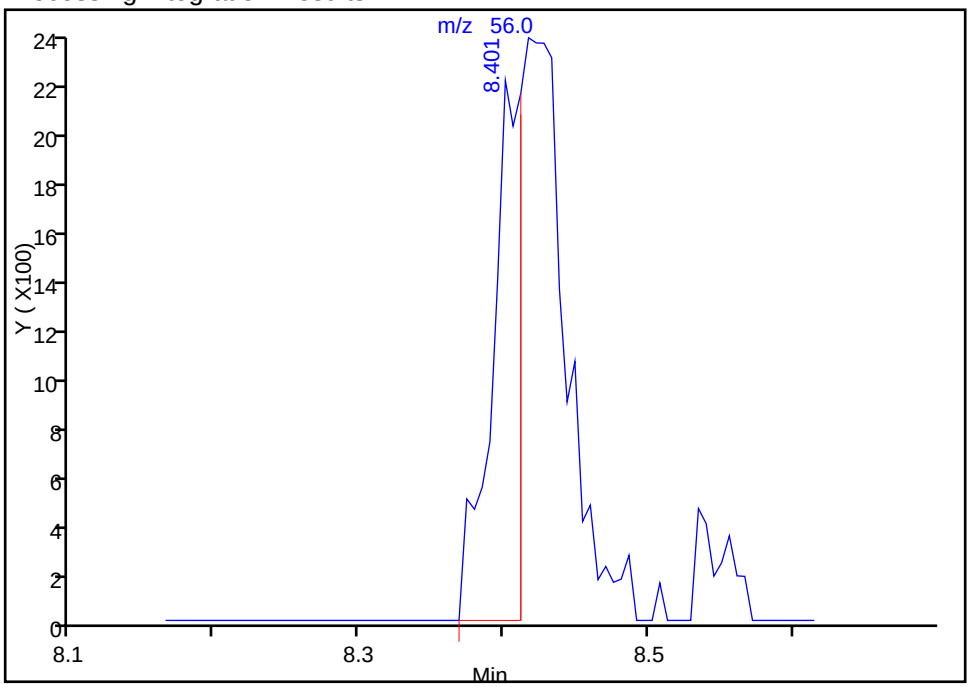
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 Acrolein, CAS: 107-02-8

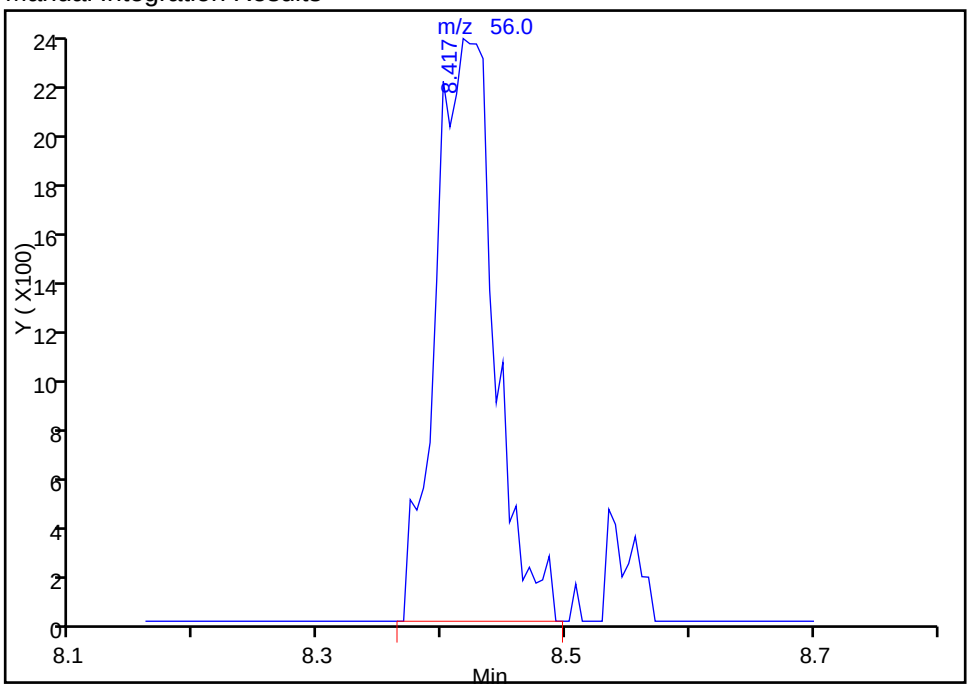
Processing Integration Results

RT: 8.40
Response: 3173
Amount: 0.272238



Manual Integration Results

RT: 8.42
Response: 7793
Amount: 0.568096



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

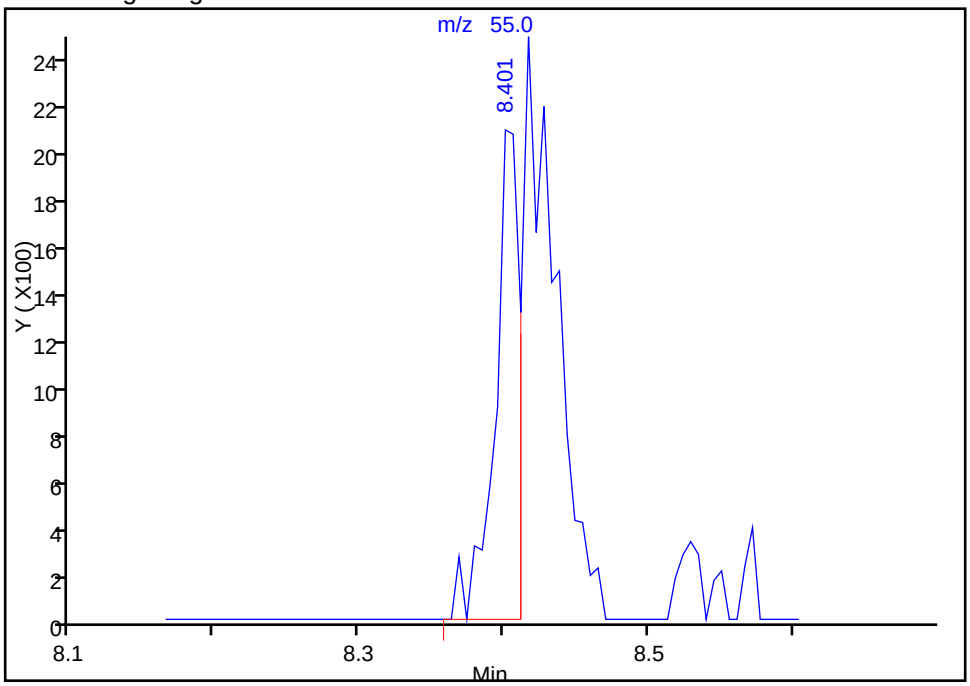
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 Acrolein, CAS: 107-02-8

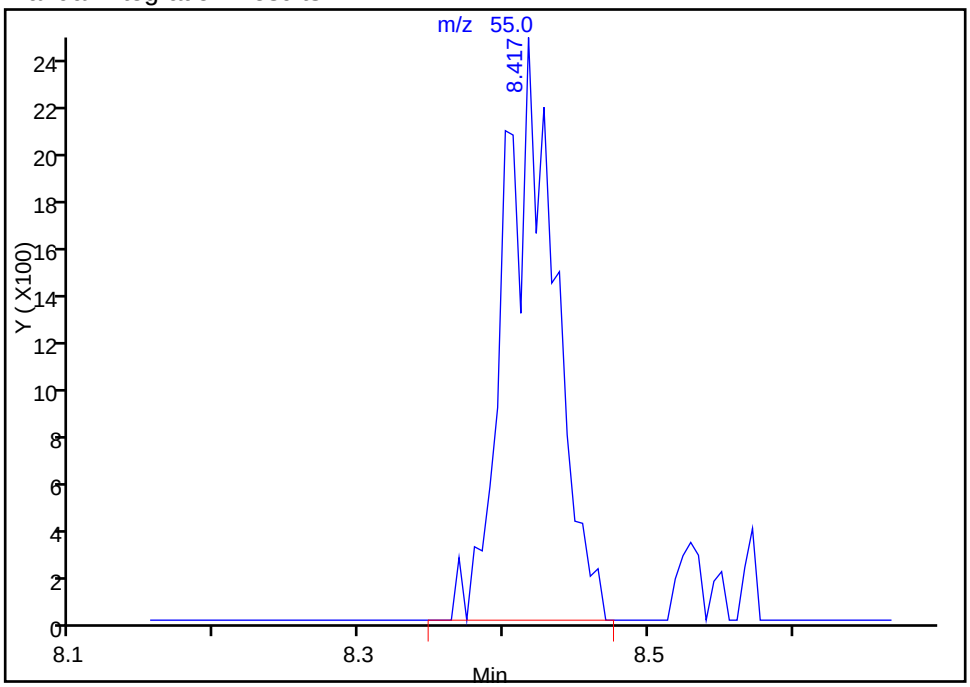
Processing Integration Results

RT: 8.40
Response: 2436
Amount: 0.272238



Manual Integration Results

RT: 8.42
Response: 5952
Amount: 0.568096



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

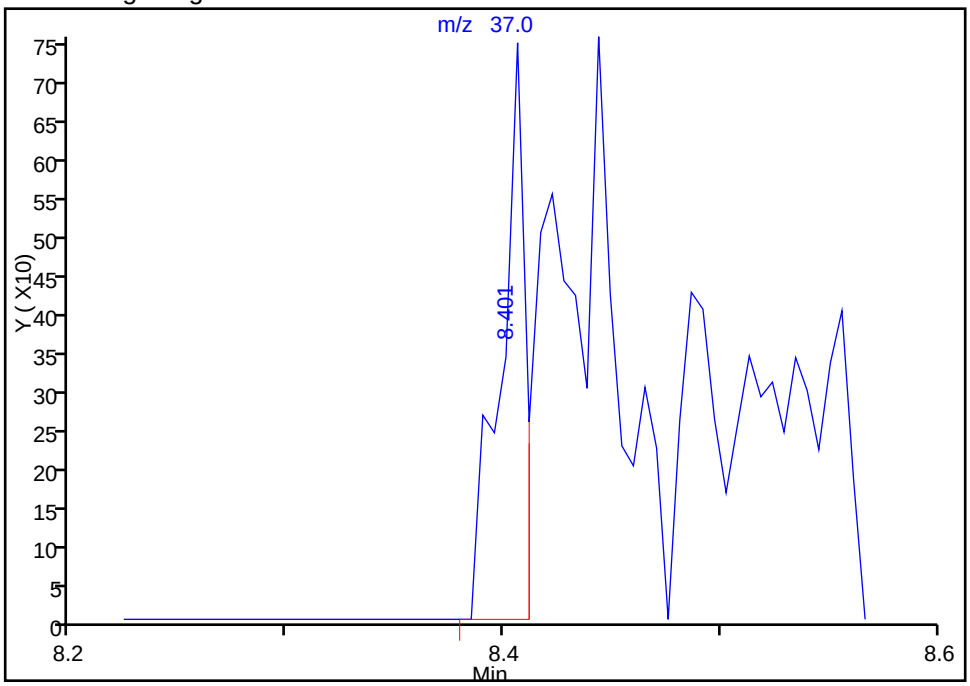
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 Acrolein, CAS: 107-02-8

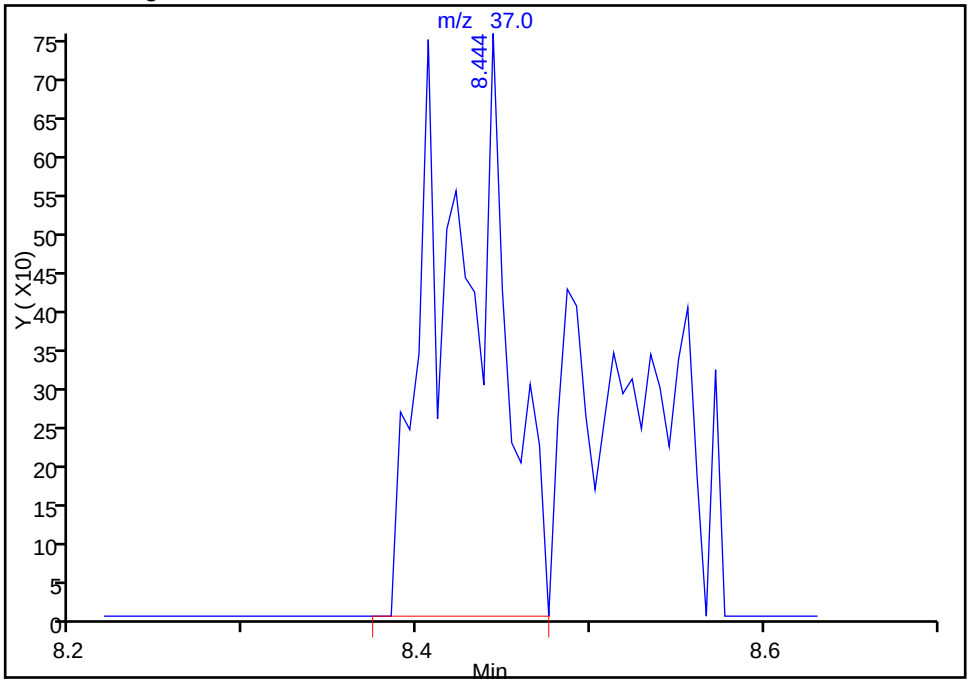
Processing Integration Results

RT: 8.40
Response: 597
Amount: 0.272238



Manual Integration Results

RT: 8.44
Response: 1995
Amount: 0.568096



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

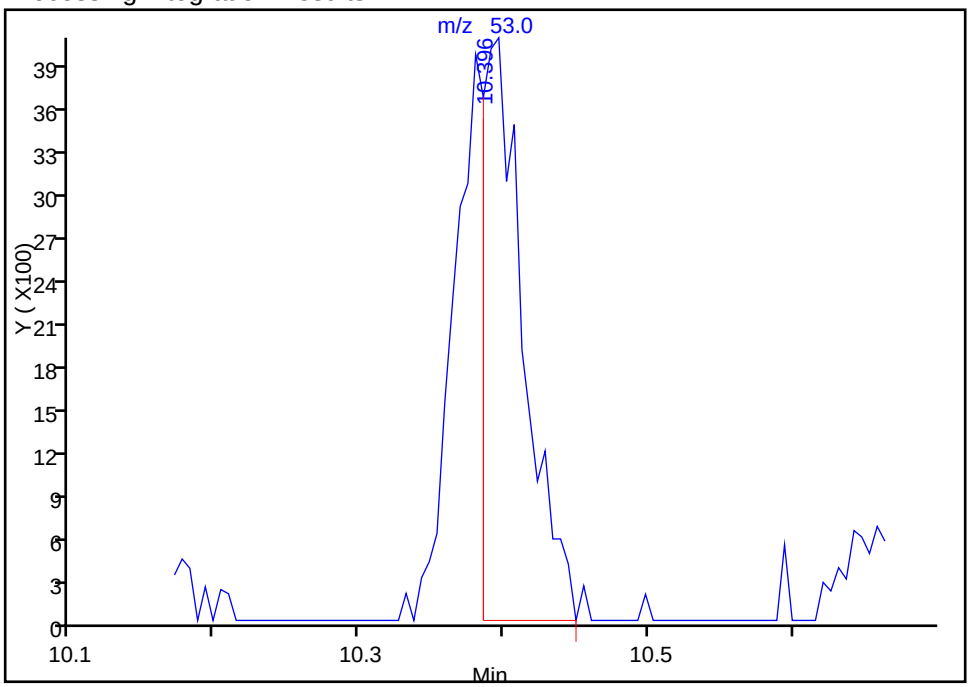
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

35 Acrylonitrile, CAS: 107-13-1

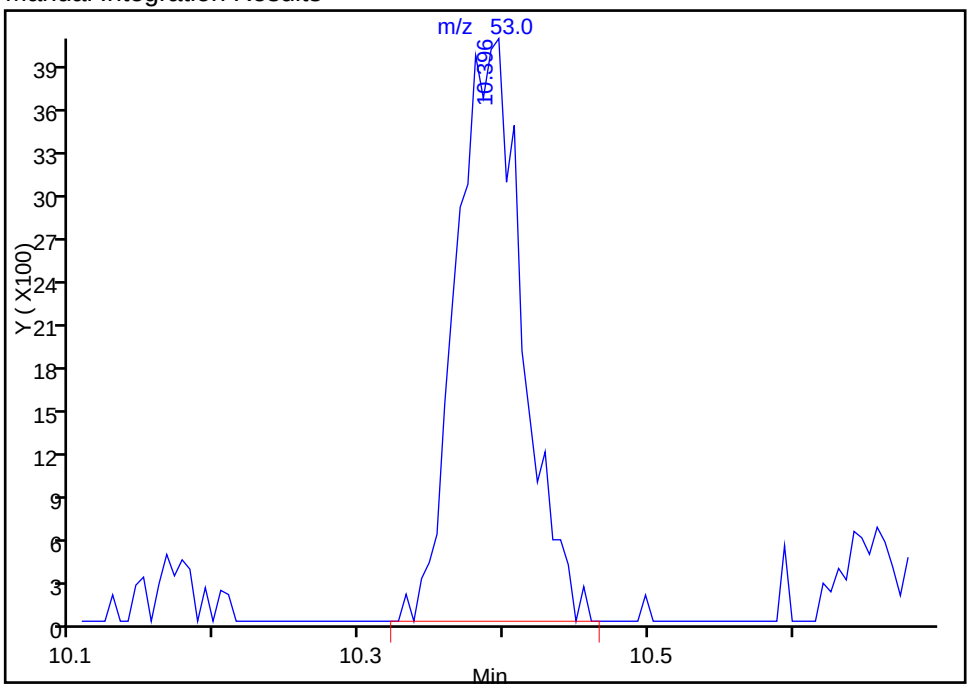
Processing Integration Results

RT: 10.40
Response: 8048
Amount: 0.360017



Manual Integration Results

RT: 10.40
Response: 12951
Amount: 0.457169



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

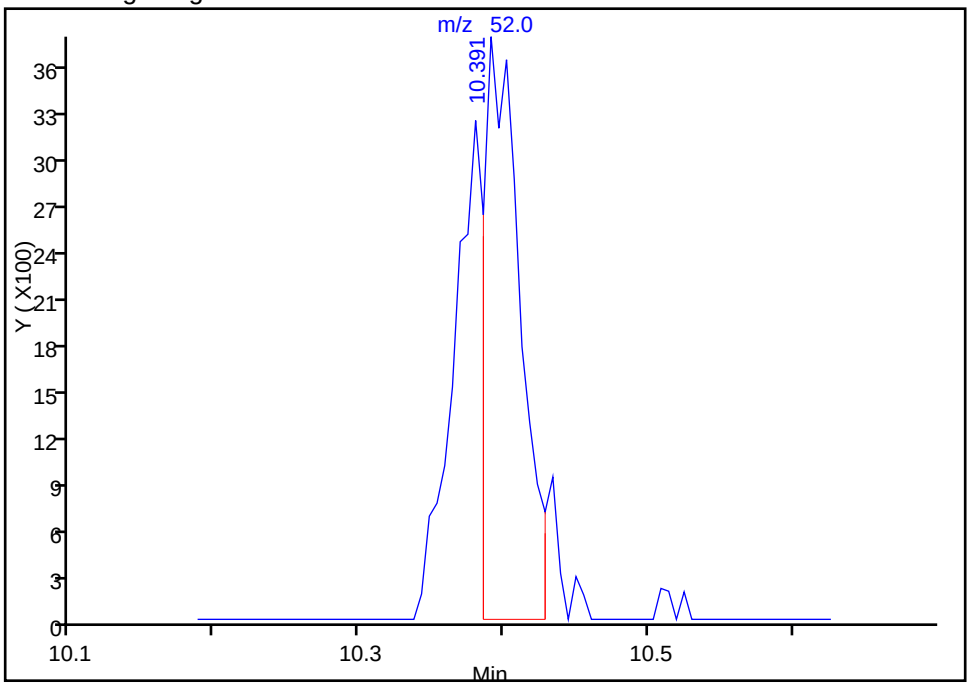
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

35 Acrylonitrile, CAS: 107-13-1

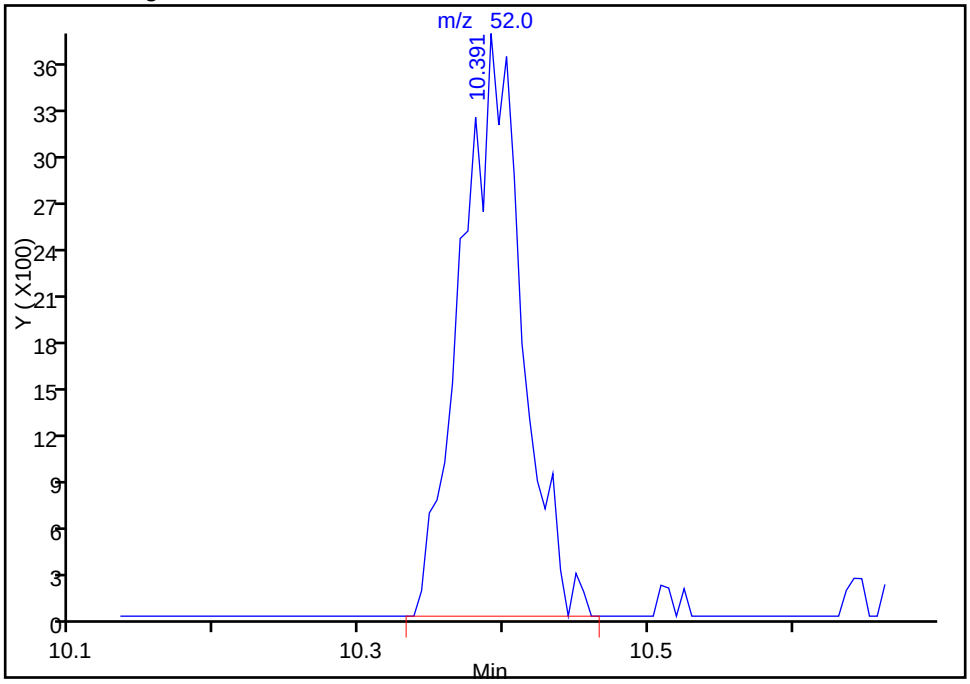
Processing Integration Results

RT: 10.39
Response: 6522
Amount: 0.360017



Manual Integration Results

RT: 10.39
Response: 10912
Amount: 0.457169



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

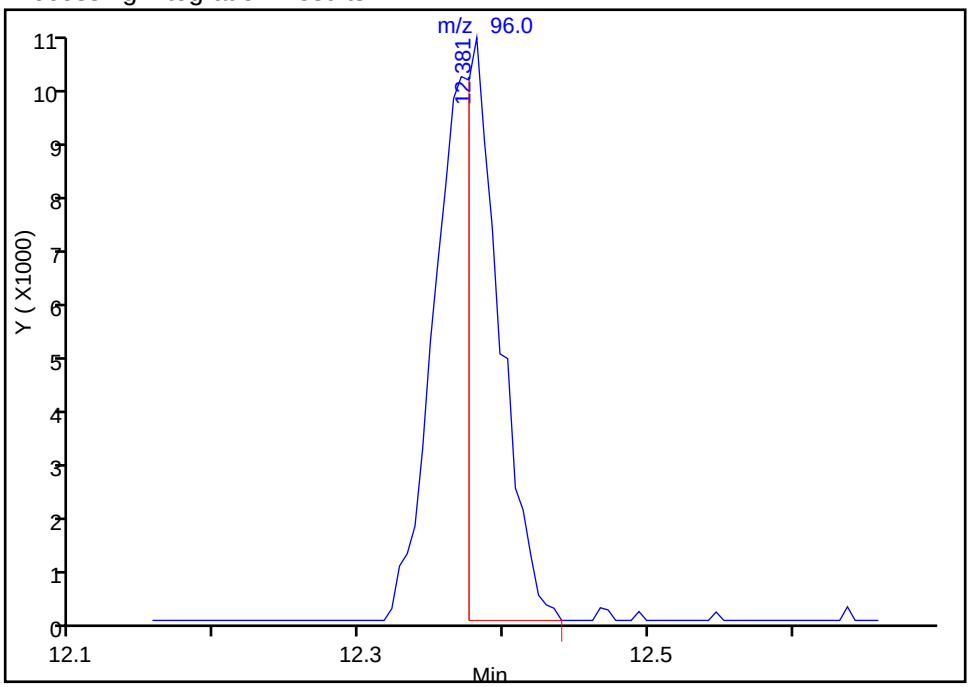
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2

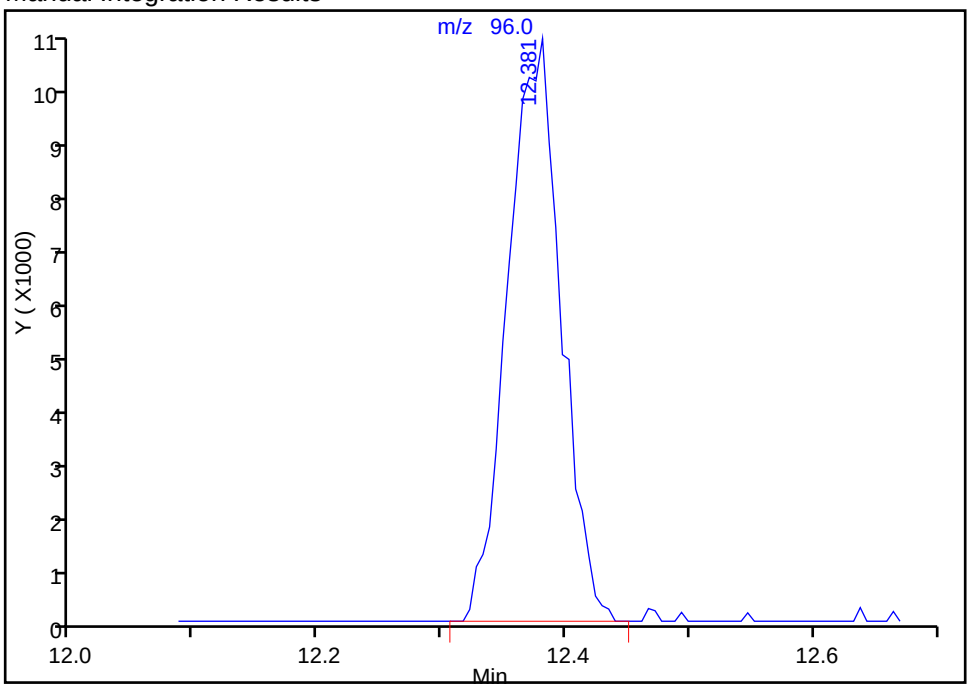
Processing Integration Results

RT: 12.38
Response: 17205
Amount: 0.310272



Manual Integration Results

RT: 12.38
Response: 32364
Amount: 0.485050



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

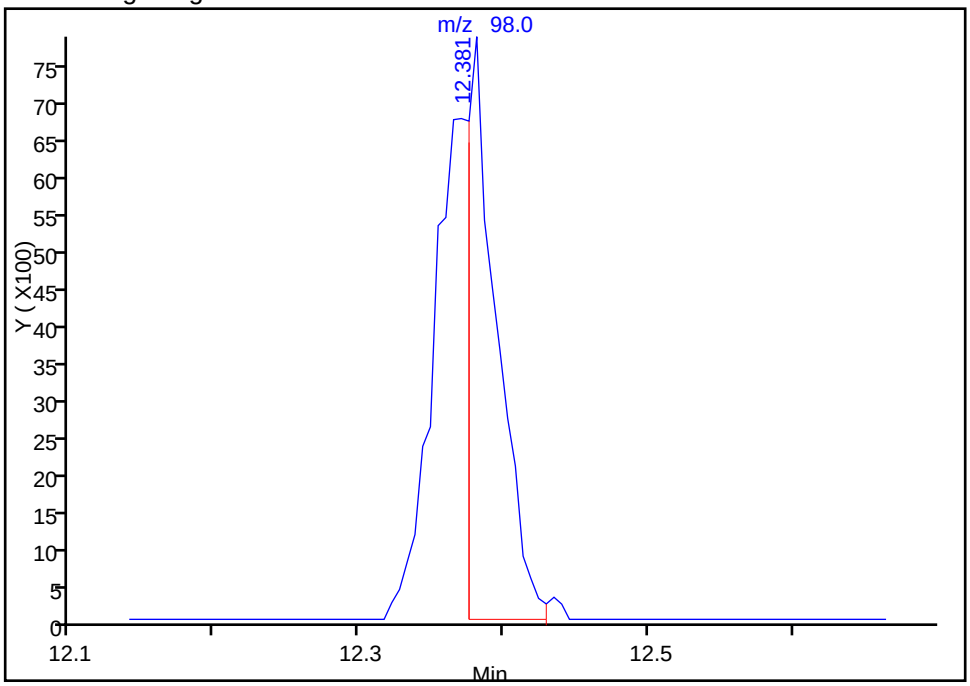
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d

Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2

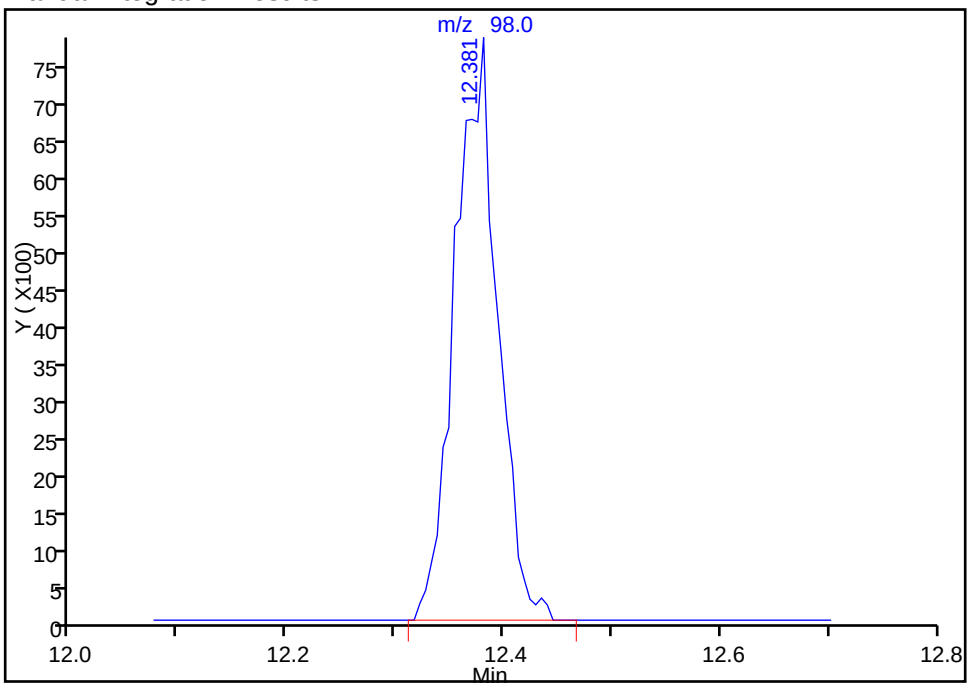
Processing Integration Results

RT: 12.38
Response: 11077
Amount: 0.310272



Manual Integration Results

RT: 12.38
Response: 21340
Amount: 0.485050



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

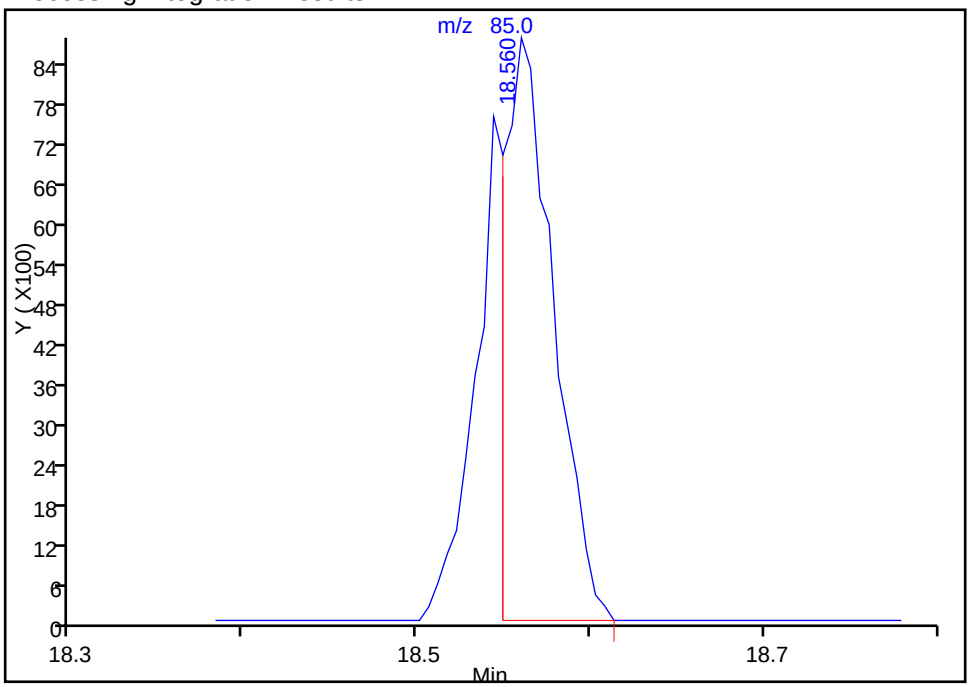
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

71 1,1,2-Trichloroethane, CAS: 79-00-5

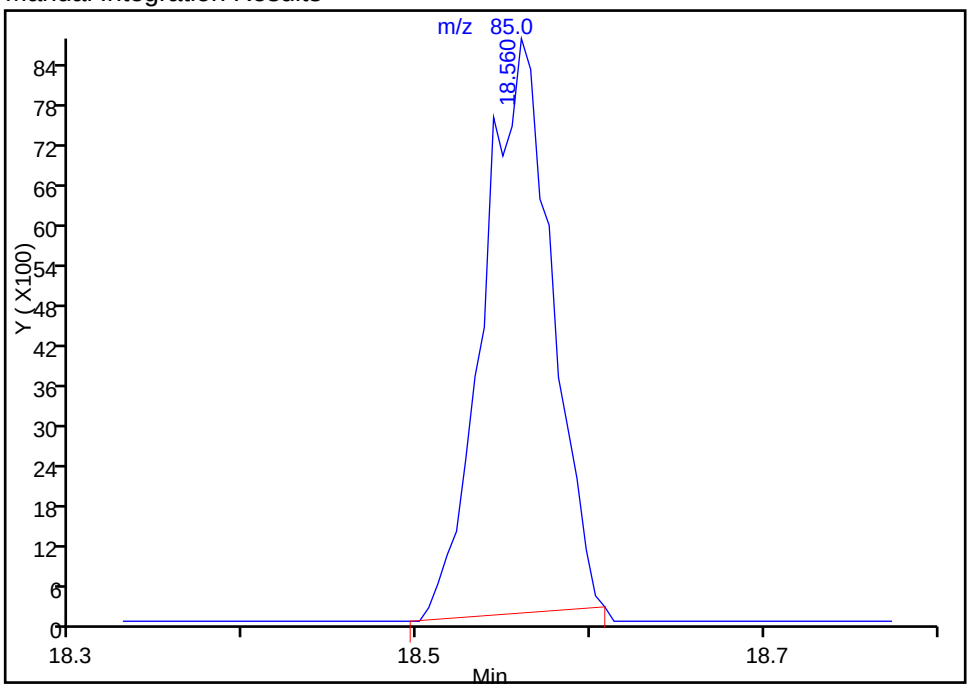
Processing Integration Results

RT: 18.56
Response: 17428
Amount: 0.518244



Manual Integration Results

RT: 18.56
Response: 23492
Amount: 0.518244



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

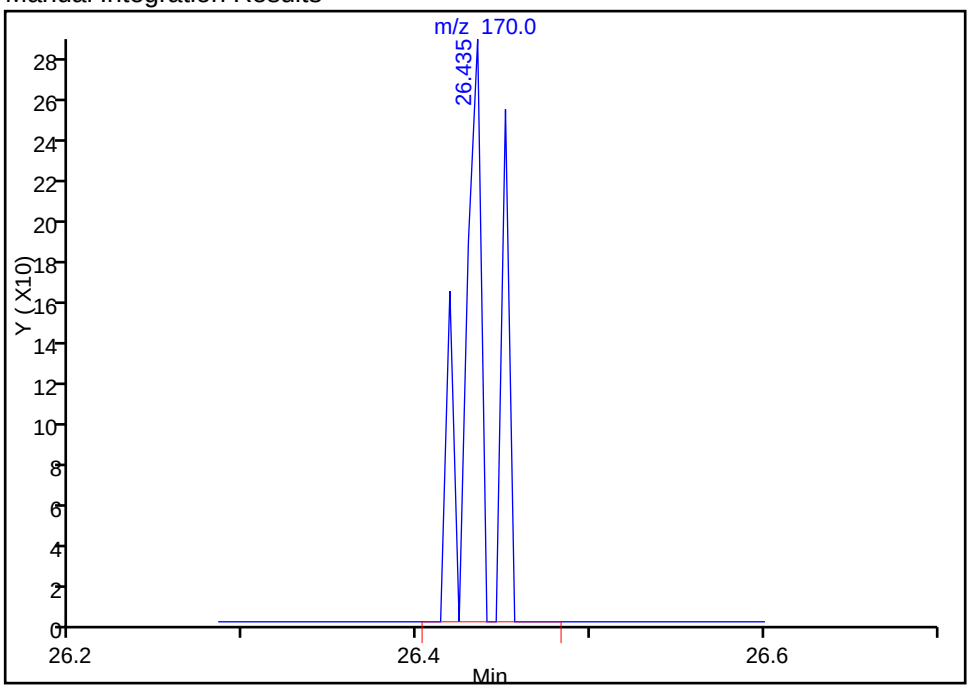
106 Dodecane, CAS: 112-40-3

Processing Integration Results

RT: 26.43
Response: 0
Amount: 0.085352

Manual Integration Results

RT: 26.43
Response: 280
Amount: 0.066066



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

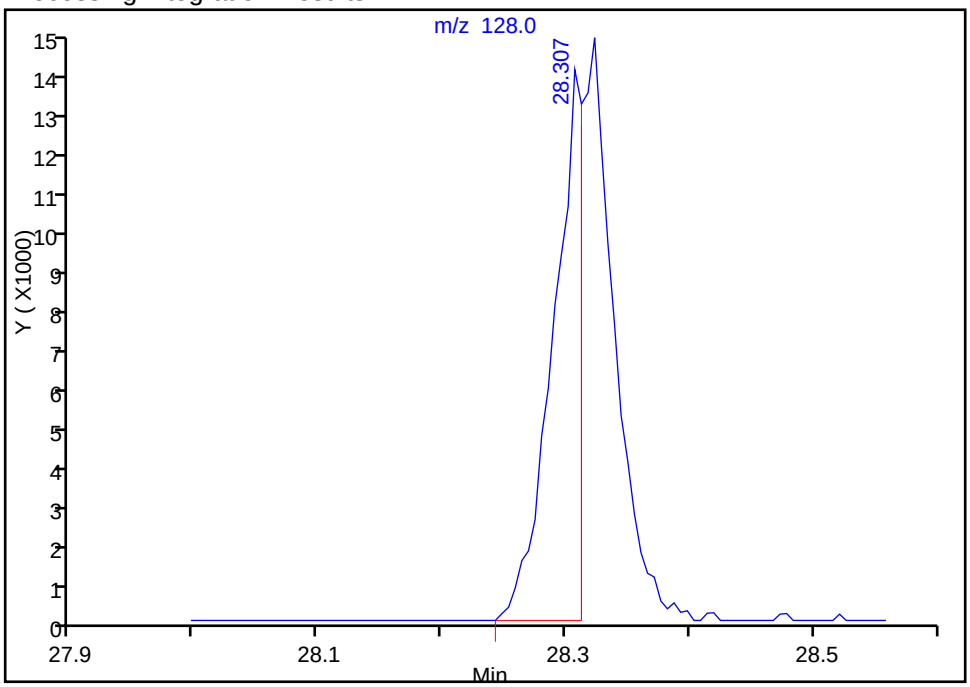
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

109 Naphthalene, CAS: 91-20-3

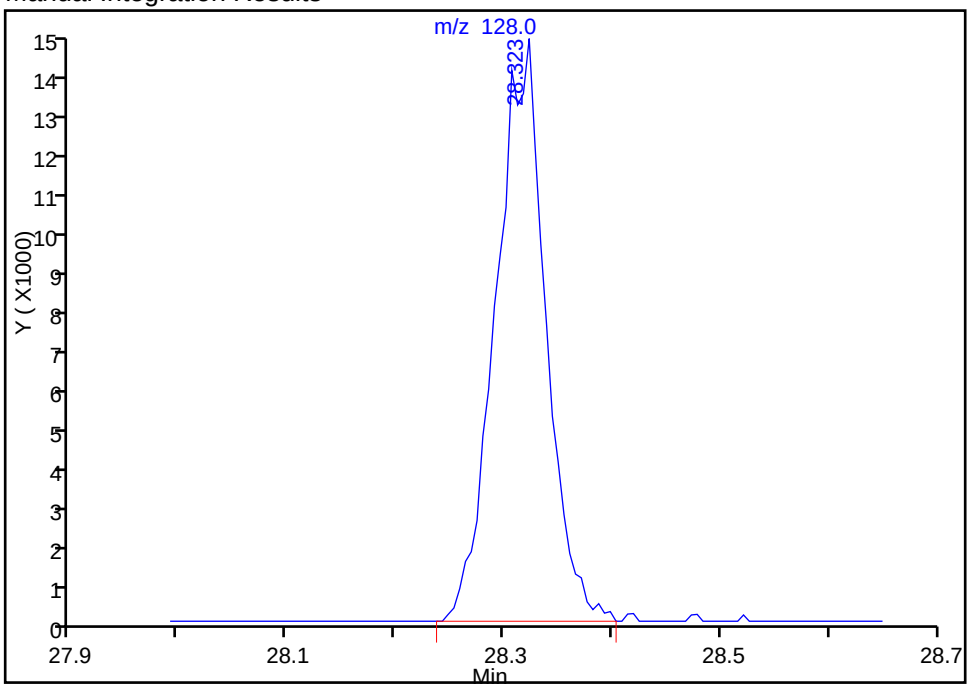
Processing Integration Results

RT: 28.31
Response: 23142
Amount: 0.112900



Manual Integration Results

RT: 28.32
Response: 47038
Amount: 0.176876



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Report Date: 12-Feb-2014 09:35:31 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_007.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-Feb-2014 21:39:30 ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-007
Misc. Info.: IC 04
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:35:30 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:14:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.372	4.383	-0.011	97	171162	5.33	
2 Dichlorodifluoromethane	85	4.463	4.479	-0.016	99	1220565	5.48	
6 Chlorodifluoromethane	51	4.533	4.544	-0.011	74	450035	5.34	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.822	4.832	-0.010	87	981010	5.17	
8 Chloromethane	50	5.014	5.025	-0.011	100	203833	5.32	
9 Butane	43	5.276	5.287	-0.011	95	318783	5.13	
10 Vinyl chloride	62	5.335	5.346	-0.011	97	269168	4.88	
11 Butadiene	54	5.437	5.442	-0.005	93	174832	5.15	
13 BFB								
12 Bromomethane	94	6.309	6.314	-0.005	98	289016	5.07	
14 Chloroethane	64	6.592	6.598	-0.006	99	152598	5.20	
15 2-Methylbutane	43	6.678	6.678	0.0	86	236416	4.99	
16 Vinyl bromide	106	7.069	7.079	-0.010	97	392846	5.17	
17 Trichlorofluoromethane	101	7.186	7.192	-0.006	98	1279646	5.13	
18 Pentane	43	7.352	7.357	-0.005	92	352418	5.31	
19 Ethanol	45	7.807	7.796	0.011	99	131994	9.48	
21 Ethyl ether	59	7.941	7.941	0.0	90	183849	5.29	
22 Acrolein	56	8.411	8.406	0.005	97	76637	5.25	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.438	8.443	-0.005	94	808116	5.17	
24 1,1-Dichloroethene	96	8.513	8.518	-0.005	95	354054	5.26	
25 Acetone	43	8.748	8.748	0.0	87	391667	5.54	
26 Carbon disulfide	76	8.994	9.000	-0.006	98	831075	5.36	
27 Isopropyl alcohol	45	9.032	9.032	0.0	96	316558	5.34	
29 3-Chloro-1-propene	41	9.406	9.406	0.0	82	252541	5.28	
30 Acetonitrile	41	9.535	9.535	0.0	98	142489	5.50	
31 Methylene Chloride	49	9.727	9.733	-0.006	79	257469	5.23	
32 2-Methyl-2-propanol	59	9.909	9.904	0.005	99	535129	4.98	
33 Methyl tert-butyl ether	73	10.155	10.161	-0.006	95	980616	5.51	
S 41 1,2-Dichloroethene, Total	61				0		10.8	
34 trans-1,2-Dichloroethene	61	10.230	10.236	-0.006	89	433458	5.34	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	35 Acrylonitrile	53	10.385	10.385 0.0	92	159777	5.30	
	36 Hexane	57	10.642	10.653 -0.011	89	385941	5.66	
	37 1,1-Dichloroethane	63	11.204	11.199 0.005	99	539837	4.95	
	38 Vinyl acetate	43	11.236	11.236 0.0	98	542530	5.35	
	39 cis-1,2-Dichloroethene	96	12.370	12.375 -0.005	96	386761	5.44	
	40 2-Butanone (MEK)	72	12.392	12.392 0.0	99	154286	5.15	
	42 Ethyl acetate	88	12.408	12.413 -0.005	98	30878	5.31	
	44 Tetrahydrofuran	42	12.846	12.846 0.0	69	222914	5.27	
*	43 Chlorobromomethane	128	12.857	12.852 0.005	69	486864	10.0	
	45 Chloroform	83	12.964	12.964 0.0	99	839011	5.14	
	46 Cyclohexane	84	13.264	13.264 0.0	82	469748	5.75	
	47 1,1,1-Trichloroethane	97	13.280	13.280 0.0	94	987246	5.29	
	48 Carbon tetrachloride	117	13.531	13.531 0.0	98	1073132	5.03	
	51 Isooctane	57	13.932	13.927 0.005	97	1284681	5.91	
	50 Benzene	78	13.986	13.986 0.0	93	1074151	5.51	
	52 1,2-Dichloroethane	62	14.146	14.141 0.005	99	515799	5.23	
	53 n-Heptane	43	14.280	14.275 0.005	81	404843	5.96	
*	54 1,4-Difluorobenzene	114	14.745	14.745 0.0	92	2237364	10.0	
A	57 GRO	1	14.769	6.668 - 22.871	0	148428451	0	
	55 n-Butanol	56	15.029	15.024 0.005	86	109119	4.51	
	56 Trichloroethene	95	15.211	15.211 0.0	95	548439	5.46	
	58 1,2-Dichloropropane	63	15.730	15.730 0.0	84	315796	5.32	
	59 Methyl methacrylate	69	15.815	15.815 0.0	77	334014	5.43	
	60 1,4-Dioxane	88	15.901	15.901 0.0	84	196887	5.77	
	61 Dibromomethane	174	15.971	15.970 0.0	88	673103	5.47	
	62 Dichlorobromomethane	83	16.222	16.222 0.0	98	924191	5.38	
A	63 TVOC as Toluene	1	16.631	4.373 - 28.889	0	264356361	1629.3	
	64 cis-1,3-Dichloropropene	75	17.089	17.083 0.006	90	545437	5.61	
	65 4-Methyl-2-pentanone (MIBK)	43	17.324	17.324 0.0	91	535897	5.63	
A	68 C8 Range	1	17.656	17.606 -17.706	0	6299768	NC	
	69 n-Octane	43	17.661	17.656 0.005	72	579055	6.43	
	66 Toluene	92	17.661	17.661 0.0	93	882590	5.92	
A	67 Toluene Range	1	17.661	17.621 -17.701	0	6299768	NC	
	70 trans-1,3-Dichloropropene	75	18.191	18.191 0.0	95	619426	5.55	
	71 1,1,2-Trichloroethane	83	18.560	18.560 0.0	92	399446	5.38	
	72 Tetrachloroethene	166	18.699	18.699 0.0	97	1020413	5.50	
	73 2-Hexanone	43	18.950	18.950 0.0	91	443501	5.29	
	74 Chlorodibromomethane	129	19.314	19.314 0.0	97	1138452	5.52	
	75 Ethylene Dibromide	107	19.598	19.603 -0.005	98	829518	5.50	
S	82 Xylenes, Total	106			0		18.2	
*	76 Chlorobenzene-d5	117	20.448	20.443 0.005	82	2054549	10.0	
	77 Chlorobenzene	112	20.502	20.502 0.0	96	1330706	5.34	
	78 Ethylbenzene	91	20.614	20.614 0.0	95	2028333	5.83	
	79 n-Nonane	57	20.673	20.673 0.0	78	696553	6.00	
	80 m-Xylene & p-Xylene	106	20.833	20.833 0.0	100	1675100	11.9	
	83 o-Xylene	106	21.545	21.545 0.0	94	826439	6.24	
	84 Styrene	104	21.582	21.582 0.0	96	1240344	6.31	
	85 Bromoform	173	21.962	21.962 0.0	99	1186666	5.72	
	86 Isopropylbenzene	105	22.107	22.112 -0.005	95	2596374	6.37	
$	87 4-Bromofluorobenzene	95	22.444	22.444 0.0	97	1475263	NC	
	88 1,1,2,2-Tetrachloroethane	83	22.668	22.668 0.0	95	1112645	5.51	
	90 N-Propylbenzene	91	22.743	22.743 0.0	99	2968983	6.26	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.770	22.770	0.0	86	882232	5.68
93	n-Decane	57	22.856	22.861	-0.005	82	992488	6.10
91	4-Ethyltoluene	105	22.909	22.909	0.0	96	2744394	6.05
92	2-Chlorotoluene	91	22.941	22.946	-0.005	93	2311137	5.83
94	1,3,5-Trimethylbenzene	105	23.000	23.005	-0.005	92	2501007	5.96
95	Alpha Methyl Styrene	118	23.353	23.353	0.0	89	1135811	6.49
96	tert-Butylbenzene	119	23.476	23.481	-0.005	93	2538938	6.23
97	1,2,4-Trimethylbenzene	105	23.572	23.572	0.0	96	2503522	6.25
98	sec-Butylbenzene	105	23.808	23.808	0.0	98	3515887	6.37
99	4-Isopropyltoluene	119	24.011	24.011	0.0	95	3130978	6.45
100	1,3-Dichlorobenzene	146	24.081	24.081	0.0	98	1675063	5.74
101	1,4-Dichlorobenzene	146	24.225	24.225	0.0	96	1579835	5.81
102	Benzyl chloride	91	24.434	24.434	0.0	100	1396458	5.72
104	Undecane	57	24.632	24.626	0.006	88	1039378	6.30
103	n-Butylbenzene	91	24.648	24.653	-0.005	97	2306191	6.26
105	1,2-Dichlorobenzene	146	24.830	24.830	0.0	98	1648253	5.80
106	Dodecane	57	26.435	26.434	0.001	89	643320	5.96
107	1,2,4-Trichlorobenzene	180	27.724	27.724	0.0	93	776311	5.32
108	Hexachlorobutadiene	225	27.927	27.927	0.0	95	1379928	5.98
109	Naphthalene	128	28.312	28.312	0.0	99	1507181	5.29
110	1,2,3-Trichlorobenzene	180	28.879	28.879	0.0	96	837537	6.16

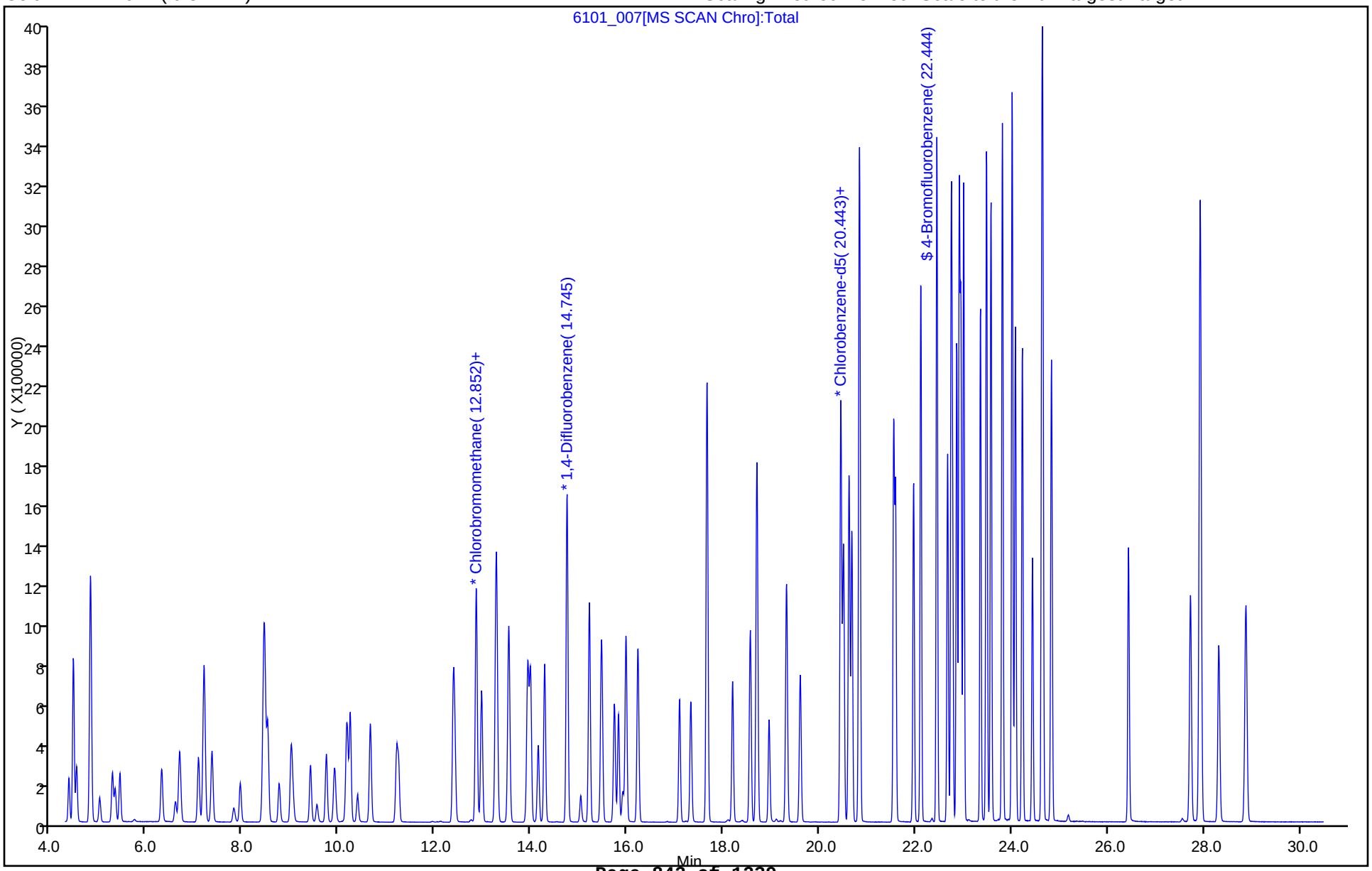
Report Date: 12-Feb-2014 09:35:32 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_007.d

Injection Date:	11-Feb-2014 21:39:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_008.d
Lims ID: ICIS Lab Sample ID:
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 11-Feb-2014 22:30:30 ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-008
Misc. Info.: ICIS 05
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:35:32 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:11:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.383	4.383	0.0	97	343851	10.4	
2 Dichlorodifluoromethane	85	4.479	4.479	0.0	99	2378638	10.4	
6 Chlorodifluoromethane	51	4.544	4.544	0.0	93	899214	10.3	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.832	4.832	0.0	86	1945417	9.95	
8 Chloromethane	50	5.025	5.025	0.0	99	405869	10.3	
9 Butane	43	5.287	5.287	0.0	96	669296	10.5	
10 Vinyl chloride	62	5.346	5.346	0.0	97	540976	9.52	
11 Butadiene	54	5.442	5.442	0.0	94	355554	10.2	
13 BFB								
12 Bromomethane	94	6.314	6.314	0.0	98	560804	9.55	
14 Chloroethane	64	6.598	6.598	0.0	97	302251	10.0	
15 2-Methylbutane	43	6.678	6.678	0.0	86	482131	9.88	
16 Vinyl bromide	106	7.079	7.079	0.0	97	818236	10.5	
17 Trichlorofluoromethane	101	7.192	7.192	0.0	98	2528605	9.84	
18 Pentane	43	7.357	7.357	0.0	93	741782	10.8	
19 Ethanol	45	7.796	7.796	0.0	99	226444	15.8	
21 Ethyl ether	59	7.941	7.941	0.0	90	383629	10.7	
22 Acrolein	56	8.406	8.406	0.0	97	155867	10.4	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.443	8.443	0.0	93	1592514	9.90	
24 1,1-Dichloroethene	96	8.518	8.518	0.0	94	739217	10.7	
25 Acetone	43	8.748	8.748	0.0	87	750249	10.3	
26 Carbon disulfide	76	9.000	9.000	0.0	99	1626028	10.2	
27 Isopropyl alcohol	45	9.032	9.032	0.0	96	638753	10.5	
29 3-Chloro-1-propene	41	9.406	9.406	0.0	82	543129	11.0	
30 Acetonitrile	41	9.535	9.535	0.0	99	277223	10.4	
31 Methylene Chloride	49	9.733	9.733	0.0	80	505909	9.98	
32 2-Methyl-2-propanol	59	9.904	9.904	0.0	99	1146724	10.4	
33 Methyl tert-butyl ether	73	10.161	10.161	0.0	94	2031361	11.1	
S 41 1,2-Dichloroethene, Total	61				0		21.0	
34 trans-1,2-Dichloroethene	61	10.236	10.236	0.0	89	867076	10.4	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
35 Acrylonitrile	53	10.385	10.385	0.0	95	326101	10.5
36 Hexane	57	10.653	10.653	0.0	89	788682	11.2
37 1,1-Dichloroethane	63	11.199	11.199	0.0	99	1069009	9.51
38 Vinyl acetate	43	11.236	11.236	0.0	99	1146393	11.0
39 cis-1,2-Dichloroethene	96	12.375	12.375	0.0	96	774715	10.6
40 2-Butanone (MEK)	72	12.392	12.392	0.0	99	313135	10.2
42 Ethyl acetate	88	12.413	12.413	0.0	99	61836	10.3
44 Tetrahydrofuran	42	12.846	12.846	0.0	84	457039	10.5
* 43 Chlorobromomethane	128	12.852	12.852	0.0	69	501508	10.0
45 Chloroform	83	12.964	12.964	0.0	99	1649325	9.81
46 Cyclohexane	84	13.264	13.264	0.0	83	957033	11.4
47 1,1,1-Trichloroethane	97	13.280	13.280	0.0	95	1968604	10.2
48 Carbon tetrachloride	117	13.531	13.531	0.0	98	2161114	9.84
51 Isooctane	57	13.927	13.927	0.0	97	2610676	11.7
50 Benzene	78	13.986	13.986	0.0	94	2086670	10.4
52 1,2-Dichloroethane	62	14.141	14.141	0.0	99	1031280	10.1
53 n-Heptane	43	14.275	14.275	0.0	82	813077	11.6
* 54 1,4-Difluorobenzene	114	14.745	14.745	0.0	93	2304289	10.0
A 57 GRO	1	14.769	6.668 - 22.871		0	293432317	0
55 n-Butanol	56	15.024	15.024	0.0	85	273216	11.0
56 Trichloroethene	95	15.211	15.211	0.0	96	1093818	10.6
58 1,2-Dichloropropane	63	15.730	15.730	0.0	84	633574	10.4
59 Methyl methacrylate	69	15.815	15.815	0.0	77	689745	10.9
60 1,4-Dioxane	88	15.901	15.901	0.0	84	391865	11.1
61 Dibromomethane	174	15.970	15.970	0.0	88	1293999	10.2
62 Dichlorobromomethane	83	16.222	16.222	0.0	98	1820765	10.3
A 63 TVOC as Toluene	1	16.631	4.373 - 28.889		0	508101519	3040.6
64 cis-1,3-Dichloropropene	75	17.083	17.083	0.0	90	1150881	11.5
65 4-Methyl-2-pentanone (MIBK)	43	17.324	17.324	0.0	90	1109388	11.3
A 68 C8 Range	1	17.656	17.606 - 17.706		0	11725978	NC
69 n-Octane	43	17.656	17.656	0.0	75	1086165	11.7
66 Toluene	92	17.661	17.661	0.0	93	1640930	10.7
A 67 Toluene Range	1	17.661	17.621 - 17.701		0	11725978	NC
70 trans-1,3-Dichloropropene	75	18.191	18.191	0.0	95	1285366	11.2
71 1,1,2-Trichloroethane	83	18.560	18.560	0.0	92	772501	10.1
72 Tetrachloroethene	166	18.699	18.699	0.0	98	1955557	10.3
73 2-Hexanone	43	18.950	18.950	0.0	90	999194	11.6
74 Chlorodibromomethane	129	19.314	19.314	0.0	97	2243618	10.6
75 Ethylene Dibromide	107	19.603	19.603	0.0	99	1647907	10.6
S 82 Xylenes, Total	106				0		32.8
* 76 Chlorobenzene-d5	117	20.443	20.443	0.0	77	2110792	10.0
77 Chlorobenzene	112	20.502	20.502	0.0	95	2507389	9.79
78 Ethylbenzene	91	20.614	20.614	0.0	96	3850088	10.8
79 n-Nonane	57	20.673	20.673	0.0	78	1317312	11.0
80 m-Xylene & p-Xylene	106	20.833	20.833	0.0	100	3079468	21.3
83 o-Xylene	106	21.545	21.545	0.0	94	1565048	11.5
84 Styrene	104	21.582	21.582	0.0	95	2307779	11.4
85 Bromoform	173	21.962	21.962	0.0	99	2310981	10.8
86 Isopropylbenzene	105	22.112	22.112	0.0	95	4904975	11.7
$ 87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1509344	NC
88 1,1,2,2-Tetrachloroethane	83	22.668	22.668	0.0	94	2110021	10.2
90 N-Propylbenzene	91	22.743	22.743	0.0	99	5484899	11.3

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.770	22.770	0.0	86	1679144	10.5
93	n-Decane	57	22.861	22.861	0.0	82	1831550	11.0
91	4-Ethyltoluene	105	22.909	22.909	0.0	85	5051019	10.8
92	2-Chlorotoluene	91	22.946	22.946	0.0	90	4210305	10.3
94	1,3,5-Trimethylbenzene	105	23.005	23.005	0.0	92	4581558	10.6
95	Alpha Methyl Styrene	118	23.353	23.353	0.0	89	2172262	12.1
96	tert-Butylbenzene	119	23.481	23.481	0.0	90	4623515	11.0
97	1,2,4-Trimethylbenzene	105	23.572	23.572	0.0	97	4494942	10.9
98	sec-Butylbenzene	105	23.808	23.808	0.0	98	6292317	11.1
99	4-Isopropyltoluene	119	24.011	24.011	0.0	82	5659873	11.3
100	1,3-Dichlorobenzene	146	24.081	24.081	0.0	97	2996936	10.0
101	1,4-Dichlorobenzene	146	24.225	24.225	0.0	96	2911165	10.4
102	Benzyl chloride	91	24.434	24.434	0.0	100	2879263	11.5
104	Undecane	57	24.626	24.626	0.0	88	1771437	10.5
103	n-Butylbenzene	91	24.653	24.653	0.0	97	4052857	10.7
105	1,2-Dichlorobenzene	146	24.830	24.830	0.0	98	2985364	10.2
106	Dodecane	57	26.434	26.434	0.0	90	1198806	10.8
107	1,2,4-Trichlorobenzene	180	27.724	27.724	0.0	92	1455819	9.70
108	Hexachlorobutadiene	225	27.927	27.927	0.0	95	2517277	10.6
109	Naphthalene	128	28.312	28.312	0.0	99	2874765	9.83
110	1,2,3-Trichlorobenzene	180	28.879	28.879	0.0	96	1579192	11.3

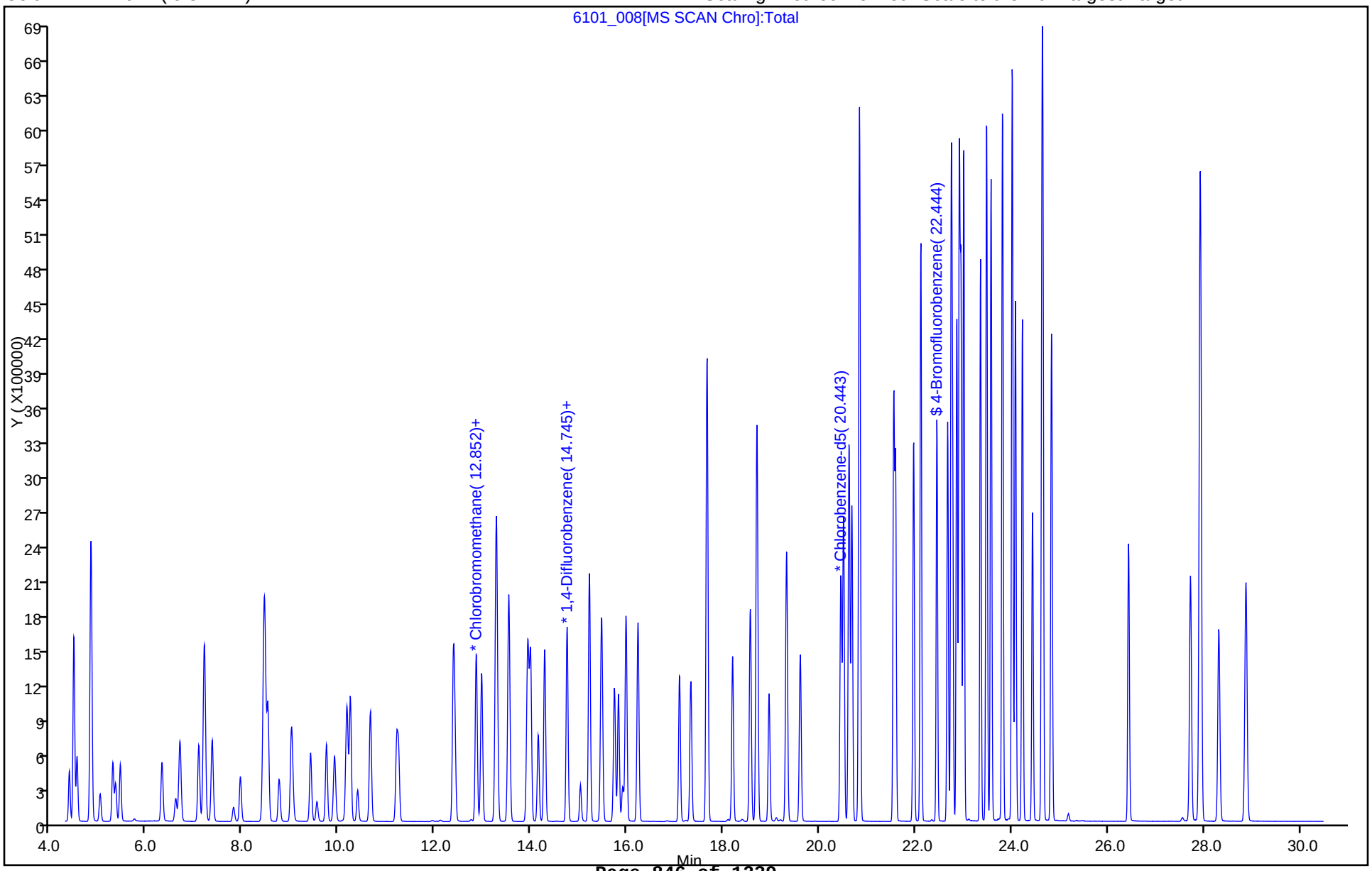
Report Date: 12-Feb-2014 09:35:33 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_008.d

Injection Date:	11-Feb-2014 22:30:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	ICIS	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_009.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 11-Feb-2014 23:18:30 ALS Bottle#: 6 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-009
Misc. Info.: IC 06
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:35:34 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:13:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.383	4.383	0.0	96	497717	14.3	
2 Dichlorodifluoromethane	85	4.474	4.479	-0.005	99	3454862	14.3	
6 Chlorodifluoromethane	51	4.543	4.544	-0.001	93	1313467	14.4	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.832	4.832	0.0	87	2820237	13.7	
8 Chloromethane	50	5.025	5.025	0.0	99	588133	14.2	
9 Butane	43	5.292	5.287	0.005	95	1011815	15.0	
10 Vinyl chloride	62	5.346	5.346	0.0	97	835769	14.0	
11 Butadiene	54	5.448	5.442	0.006	94	560716	15.3	
13 BFB								
12 Bromomethane	94	6.314	6.314	0.0	98	828778	13.4	
14 Chloroethane	64	6.598	6.598	0.0	99	457236	14.4	
15 2-Methylbutane	43	6.689	6.678	0.011	86	738402	14.4	
16 Vinyl bromide	106	7.079	7.079	0.0	96	1217044	14.8	
17 Trichlorofluoromethane	101	7.192	7.192	0.0	98	3703863	13.7	
18 Pentane	43	7.357	7.357	0.0	94	1108891	15.4	
19 Ethanol	45	7.812	7.796	0.016	100	308515	20.5	
21 Ethyl ether	59	7.946	7.941	0.005	90	581305	15.5	
22 Acrolein	56	8.411	8.406	0.005	96	237523	15.0	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.443	8.443	0.0	94	2306374	13.6	
24 1,1-Dichloroethene	96	8.518	8.518	0.0	95	1078004	14.8	
25 Acetone	43	8.754	8.748	0.006	87	1125892	14.7	
26 Carbon disulfide	76	9.005	9.000	0.005	99	2596279	15.5	
27 Isopropyl alcohol	45	9.043	9.032	0.011	97	961747	15.0	
29 3-Chloro-1-propene	41	9.406	9.406	0.0	81	829304	16.0	
30 Acetonitrile	41	9.545	9.535	0.010	98	411094	14.7	
31 Methylene Chloride	49	9.738	9.733	0.005	79	744018	14.0	
32 2-Methyl-2-propanol	59	9.915	9.904	0.011	98	1783773	15.3	
33 Methyl tert-butyl ether	73	10.166	10.161	0.005	94	3170295	16.4	
S 41 1,2-Dichloroethene, Total	61				0		29.6	
34 trans-1,2-Dichloroethene	61	10.236	10.236	0.0	88	1292403	14.7	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
35 Acrylonitrile	53	10.391	10.385	0.006	94	496804	15.2
36 Hexane	57	10.653	10.653	0.0	89	1189586	16.1
37 1,1-Dichloroethane	63	11.204	11.199	0.005	99	1595192	13.5
38 Vinyl acetate	43	11.241	11.236	0.005	98	1751501	16.0
39 cis-1,2-Dichloroethene	96	12.375	12.375	0.0	96	1141574	14.8
40 2-Butanone (MEK)	72	12.392	12.392	0.0	100	466744	14.4
42 Ethyl acetate	88	12.418	12.413	0.005	96	94117	14.9
44 Tetrahydrofuran	42	12.852	12.846	0.006	86	690927	14.7
* 43 Chlorobromomethane	128	12.857	12.852	0.005	69	527057	10.0
45 Chloroform	83	12.969	12.964	0.005	99	2430240	13.8
46 Cyclohexane	84	13.269	13.264	0.005	83	1414803	15.7
47 1,1,1-Trichloroethane	97	13.280	13.280	0.0	95	2917040	14.1
48 Carbon tetrachloride	117	13.536	13.531	0.005	98	3218312	13.6
51 Isooctane	57	13.932	13.927	0.005	97	3911322	16.2
50 Benzene	78	13.986	13.986	0.0	95	3027632	14.0
52 1,2-Dichloroethane	62	14.146	14.141	0.005	99	1547719	14.2
53 n-Heptane	43	14.280	14.275	0.005	80	1220006	16.2
* 54 1,4-Difluorobenzene	114	14.751	14.745	0.006	92	2475982	10.0
A 57 GRO	1	14.769	6.668 - 22.871		0	431599981	0
55 n-Butanol	56	15.029	15.024	0.005	83	393100	14.7
56 Trichloroethene	95	15.211	15.211	0.0	95	1614737	14.5
58 1,2-Dichloropropane	63	15.735	15.730	0.005	87	947244	14.4
59 Methyl methacrylate	69	15.815	15.815	0.0	76	1068481	15.7
60 1,4-Dioxane	88	15.906	15.901	0.005	84	550207	14.6
61 Dibromomethane	174	15.976	15.970	0.006	88	1894498	13.9
62 Dichlorobromomethane	83	16.222	16.222	0.0	98	2748878	14.5
A 63 TVOC as Toluene	1	16.631	4.373 - 28.889		0	772495141	4302.3
64 cis-1,3-Dichloropropene	75	17.089	17.083	0.006	90	1750127	16.3
65 4-Methyl-2-pentanone (MIBK)	43	17.324	17.324	0.0	90	1678347	15.9
A 68 C8 Range	1	17.656	17.606 - 17.706		0	17158560	NC
69 n-Octane	43	17.656	17.656	0.0	83	1590149	16.0
66 Toluene	92	17.666	17.661	0.005	93	2371159	14.5
A 67 Toluene Range	1	17.661	17.621 - 17.701		0	17158560	NC
70 trans-1,3-Dichloropropene	75	18.191	18.191	0.0	95	1979602	16.0
71 1,1,2-Trichloroethane	83	18.560	18.560	0.0	92	1153540	14.2
72 Tetrachloroethene	166	18.699	18.699	0.0	98	2885651	14.2
73 2-Hexanone	43	18.950	18.950	0.0	91	1521211	16.5
74 Chlorodibromomethane	129	19.314	19.314	0.0	97	3381129	14.9
75 Ethylene Dibromide	107	19.603	19.603	0.0	99	2498481	15.1
S 82 Xylenes, Total	106				0		45.4
* 76 Chlorobenzene-d5	117	20.448	20.443	0.005	70	2252830	10.0
77 Chlorobenzene	112	20.502	20.502	0.0	95	3746501	13.7
78 Ethylbenzene	91	20.619	20.614	0.005	97	5769956	15.1
79 n-Nonane	57	20.678	20.673	0.005	78	1956375	15.4
80 m-Xylene & p-Xylene	106	20.833	20.833	0.0	99	4513409	29.3
83 o-Xylene	106	21.545	21.545	0.0	94	2337173	16.1
84 Styrene	104	21.588	21.582	0.006	95	3533241	16.4
85 Bromoform	173	21.962	21.962	0.0	99	3495836	15.4
86 Isopropylbenzene	105	22.112	22.112	0.0	96	7235379	16.2
$ 87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1659952	NC
88 1,1,2,2-Tetrachloroethane	83	22.668	22.668	0.0	93	3081214	13.9
90 N-Propylbenzene	91	22.743	22.743	0.0	98	8010892	15.4

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.770	22.770	0.0	88	2458252	14.4	
93	n-Decane	57	22.856	22.861	-0.005	81	2713052	15.2	
91	4-Ethyltoluene	105	22.909	22.909	0.0	91	7409410	14.9	
92	2-Chlorotoluene	91	22.946	22.946	0.0	91	6297673	14.5	
94	1,3,5-Trimethylbenzene	105	23.005	23.005	0.0	92	6799820	14.8	
95	Alpha Methyl Styrene	118	23.353	23.353	0.0	88	3365446	17.5	
96	tert-Butylbenzene	119	23.481	23.481	0.0	90	6641827	14.9	
97	1,2,4-Trimethylbenzene	105	23.572	23.572	0.0	97	6788417	15.5	
98	sec-Butylbenzene	105	23.808	23.808	0.0	97	9059791	15.0	
99	4-Isopropyltoluene	119	24.011	24.011	0.0	91	8287851	15.6	
100	1,3-Dichlorobenzene	146	24.081	24.081	0.0	96	4808668	15.0	
101	1,4-Dichlorobenzene	146	24.225	24.225	0.0	96	4756349	16.0	
102	Benzyl chloride	91	24.434	24.434	0.0	100	4855035	18.1	
104	Undecane	57	24.626	24.626	0.0	88	2770918	15.3	
103	n-Butylbenzene	91	24.653	24.653	0.0	97	6158663	15.3	
105	1,2-Dichlorobenzene	146	24.830	24.830	0.0	97	4708714	15.1	
106	Dodecane	57	26.434	26.434	0.0	89	2361611	20.0	
107	1,2,4-Trichlorobenzene	180	27.724	27.724	0.0	94	2957719	18.5	
108	Hexachlorobutadiene	225	27.927	27.927	0.0	94	3811308	15.1	
109	Naphthalene	128	28.312	28.312	0.0	99	6251138	20.0	
110	1,2,3-Trichlorobenzene	180	28.879	28.879	0.0	96	2955162	19.8	

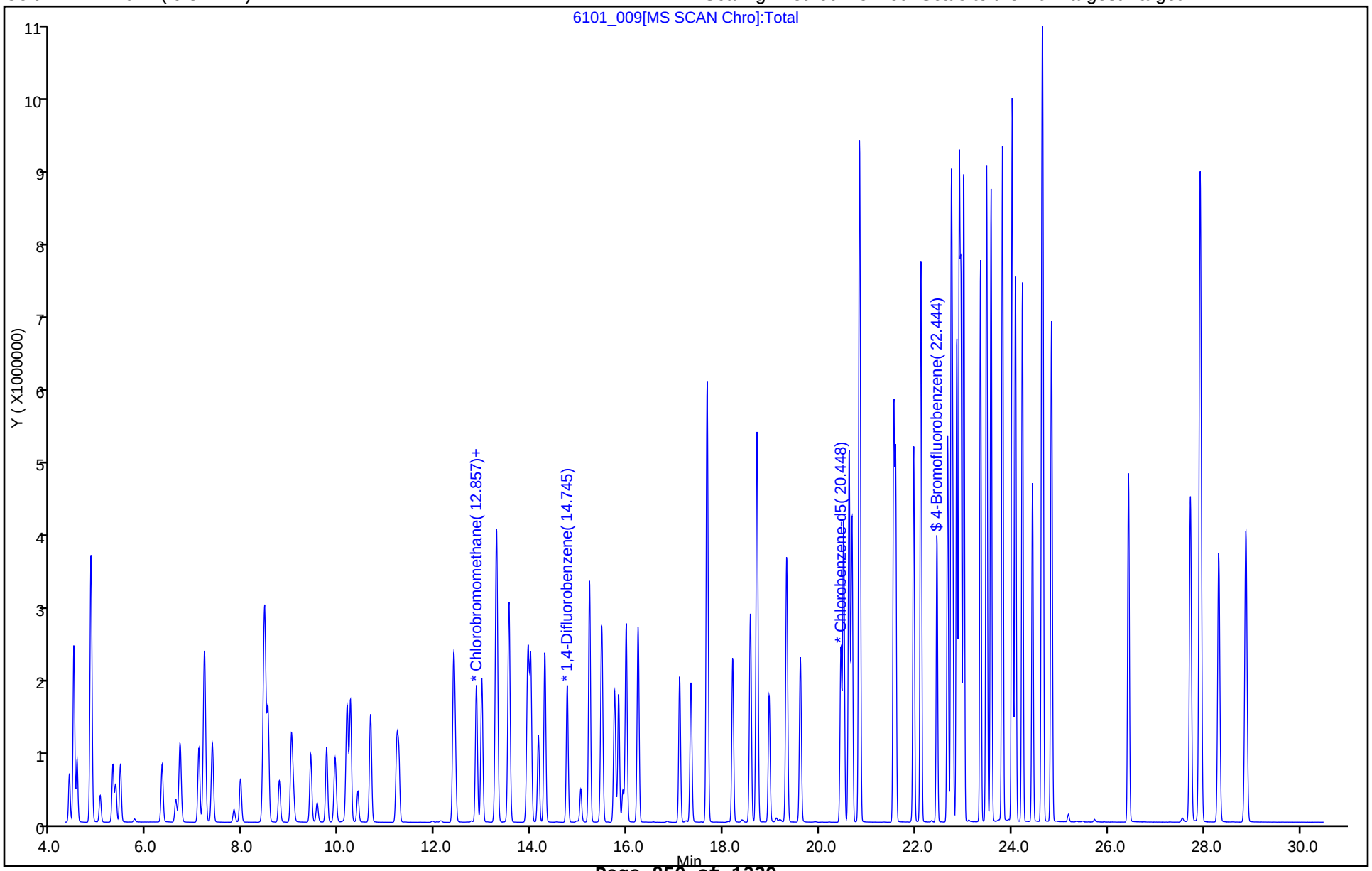
Report Date: 12-Feb-2014 09:35:35 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_009.d

Injection Date:	11-Feb-2014 23:18:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 12-Feb-2014 09:35:37 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_010.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 12-Feb-2014 00:07:30 ALS Bottle#: 7 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-010
Misc. Info.: IC 07
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:35:36 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:13:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.399	4.383	0.016	96	661767	18.2	
2 Dichlorodifluoromethane	85	4.490	4.479	0.011	99	4516674	17.9	
6 Chlorodifluoromethane	51	4.554	4.544	0.010	96	1744155	18.3	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.843	4.832	0.011	94	3682503	17.1	
8 Chloromethane	50	5.036	5.025	0.011	99	791790	18.2	
9 Butane	43	5.303	5.287	0.016	95	1348334	19.2	
10 Vinyl chloride	62	5.357	5.346	0.011	97	1129770	18.1	
11 Butadiene	54	5.458	5.442	0.016	93	760983	19.8	
13 BFB								
12 Bromomethane	94	6.325	6.314	0.011	99	1190336	18.4	
14 Chloroethane	64	6.614	6.598	0.016	99	631582	19.0	
15 2-Methylbutane	43	6.705	6.678	0.027	87	1009878	18.8	
16 Vinyl bromide	106	7.090	7.079	0.011	98	1633426	19.0	
17 Trichlorofluoromethane	101	7.208	7.192	0.016	99	4925201	17.4	
18 Pentane	43	7.379	7.357	0.022	93	1471017	19.6	
19 Ethanol	45	7.855	7.796	0.059	99	626323	39.7	
21 Ethyl ether	59	7.967	7.941	0.026	90	786498	20.0	
22 Acrolein	56	8.433	8.406	0.027	97	324034	19.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.460	8.443	0.017	94	3038104	17.2	
24 1,1-Dichloroethene	96	8.535	8.518	0.017	96	1440385	18.9	
25 Acetone	43	8.781	8.748	0.033	87	1591853	19.9	
26 Carbon disulfide	76	9.021	9.000	0.021	98	3234115	18.4	
27 Isopropyl alcohol	45	9.086	9.032	0.054	97	1302161	19.4	
29 3-Chloro-1-propene	41	9.423	9.406	0.017	82	1129901	20.9	
30 Acetonitrile	41	9.562	9.535	0.027	99	566435	19.3	
31 Methylene Chloride	49	9.754	9.733	0.021	79	1005390	18.0	
32 2-Methyl-2-propanol	59	9.952	9.904	0.048	99	2441672	20.1	
33 Methyl tert-butyl ether	73	10.188	10.161	0.027	94	4285532	21.3	
S 41 1,2-Dichloroethene, Total	61				0		38.4	
34 trans-1,2-Dichloroethene	61	10.252	10.236	0.016	88	1723602	18.8	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
35 Acrylonitrile	53	10.407	10.385	0.022	93	668184	19.6
36 Hexane	57	10.669	10.653	0.016	89	1605996	20.8
37 1,1-Dichloroethane	63	11.220	11.199	0.021	99	2164552	17.5
38 Vinyl acetate	43	11.263	11.236	0.027	99	2410980	21.0
39 cis-1,2-Dichloroethene	96	12.392	12.375	0.017	99	1582116	19.7
40 2-Butanone (MEK)	72	12.413	12.392	0.021	99	636539	18.8
42 Ethyl acetate	88	12.440	12.413	0.027	96	126901	19.3
44 Tetrahydrofuran	42	12.868	12.846	0.022	85	952136	19.6
* 43 Chlorobromomethane	128	12.873	12.852	0.021	74	551150	10.0
45 Chloroform	83	12.980	12.964	0.016	99	3317829	18.0
46 Cyclohexane	84	13.280	13.264	0.016	82	1919134	20.4
47 1,1,1-Trichloroethane	97	13.296	13.280	0.016	95	3959774	18.4
48 Carbon tetrachloride	117	13.542	13.531	0.011	98	4337444	17.7
51 Isooctane	57	13.943	13.927	0.016	97	5233844	20.9
50 Benzene	78	14.002	13.986	0.016	93	4071533	18.2
52 1,2-Dichloroethane	62	14.157	14.141	0.016	99	2108882	18.6
53 n-Heptane	43	14.291	14.275	0.016	80	1627119	20.8
* 54 1,4-Difluorobenzene	114	14.756	14.745	0.011	93	2573104	10.0
A 57 GRO	1	14.769	6.668 - 22.871		0	576637732	0
55 n-Butanol	56	15.050	15.024	0.026	84	578640	20.8
56 Trichloroethene	95	15.222	15.211	0.011	95	2178196	18.9
58 1,2-Dichloropropane	63	15.741	15.730	0.011	84	1268562	18.6
59 Methyl methacrylate	69	15.826	15.815	0.011	76	1439673	20.3
60 1,4-Dioxane	88	15.917	15.901	0.016	84	728137	18.6
61 Dibromomethane	174	15.987	15.970	0.017	88	2490929	17.6
62 Dichlorobromomethane	83	16.233	16.222	0.011	98	3678848	18.6
A 63 TVOC as Toluene	1	16.631	4.373 - 28.889		0	1022878503	5481.7
64 cis-1,3-Dichloropropene	75	17.094	17.083	0.011	90	2400930	21.5
65 4-Methyl-2-pentanone (MIBK)	43	17.329	17.324	0.005	90	2240568	20.5
A 68 C8 Range	1	17.656	17.606 - 17.706		0	22390100	NC
69 n-Octane	43	17.666	17.656	0.010	77	2074970	20.0
66 Toluene	92	17.672	17.661	0.011	94	3095855	18.0
A 67 Toluene Range	1	17.661	17.621 - 17.701		0	22390100	NC
70 trans-1,3-Dichloropropene	75	18.201	18.191	0.010	95	2696132	21.0
71 1,1,2-Trichloroethane	83	18.571	18.560	0.011	92	1543025	17.9
72 Tetrachloroethene	166	18.704	18.699	0.005	98	3817042	17.8
73 2-Hexanone	43	18.961	18.950	0.011	90	2111642	21.8
74 Chlorodibromomethane	129	19.320	19.314	0.006	97	4523936	18.9
75 Ethylene Dibromide	107	19.608	19.603	0.005	99	3368163	19.3
S 82 Xylenes, Total	106				0		56.4
* 76 Chlorobenzene-d5	117	20.454	20.443	0.011	65	2377432	10.0
77 Chlorobenzene	112	20.507	20.502	0.005	95	4973639	17.2
78 Ethylbenzene	91	20.625	20.614	0.011	95	7636888	19.0
79 n-Nonane	57	20.678	20.673	0.005	78	2571881	19.1
80 m-Xylene & p-Xylene	106	20.839	20.833	0.006	99	5905377	36.3
83 o-Xylene	106	21.550	21.545	0.005	94	3079865	20.1
84 Styrene	104	21.588	21.582	0.006	94	4677097	20.6
85 Bromoform	173	21.968	21.962	0.006	98	4598090	19.1
86 Isopropylbenzene	105	22.117	22.112	0.005	96	9442987	20.0
$ 87 4-Bromofluorobenzene	95	22.449	22.444	0.005	97	1727188	NC
88 1,1,2,2-Tetrachloroethane	83	22.674	22.668	0.006	93	4060277	17.4
90 N-Propylbenzene	91	22.749	22.743	0.006	97	10306137	18.8

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.775	22.770	0.005	93	3249502	18.1
93	n-Decane	57	22.861	22.861	0.0	81	3487876	18.5
91	4-Ethyltoluene	105	22.915	22.909	0.006	96	9515286	18.1
92	2-Chlorotoluene	91	22.947	22.946	0.001	94	8101828	17.7
94	1,3,5-Trimethylbenzene	105	23.005	23.005	0.0	93	8755104	18.0
95	Alpha Methyl Styrene	118	23.353	23.353	0.0	88	4431870	21.9
96	tert-Butylbenzene	119	23.482	23.481	0.001	90	8571312	18.2
97	1,2,4-Trimethylbenzene	105	23.578	23.572	0.006	97	8763488	18.9
98	sec-Butylbenzene	105	23.813	23.808	0.005	96	11547049	18.1
99	4-Isopropyltoluene	119	24.017	24.011	0.006	90	10584636	18.8
100	1,3-Dichlorobenzene	146	24.081	24.081	0.0	96	6295982	18.6
101	1,4-Dichlorobenzene	146	24.231	24.225	0.006	95	6263556	19.9
102	Benzyl chloride	91	24.439	24.434	0.005	99	6747945	23.9
104	Undecane	57	24.632	24.626	0.006	87	3484036	18.3
103	n-Butylbenzene	91	24.653	24.653	0.0	97	7909203	18.6
105	1,2-Dichlorobenzene	146	24.835	24.830	0.005	97	6199708	18.9
106	Dodecane	57	26.440	26.434	0.006	90	3032210	24.3
107	1,2,4-Trichlorobenzene	180	27.729	27.724	0.005	94	4005998	23.7
108	Hexachlorobutadiene	225	27.927	27.927	0.0	93	4829134	18.1
109	Naphthalene	128	28.318	28.312	0.006	99	8113281	24.6
110	1,2,3-Trichlorobenzene	180	28.879	28.879	0.0	95	3927460	24.9

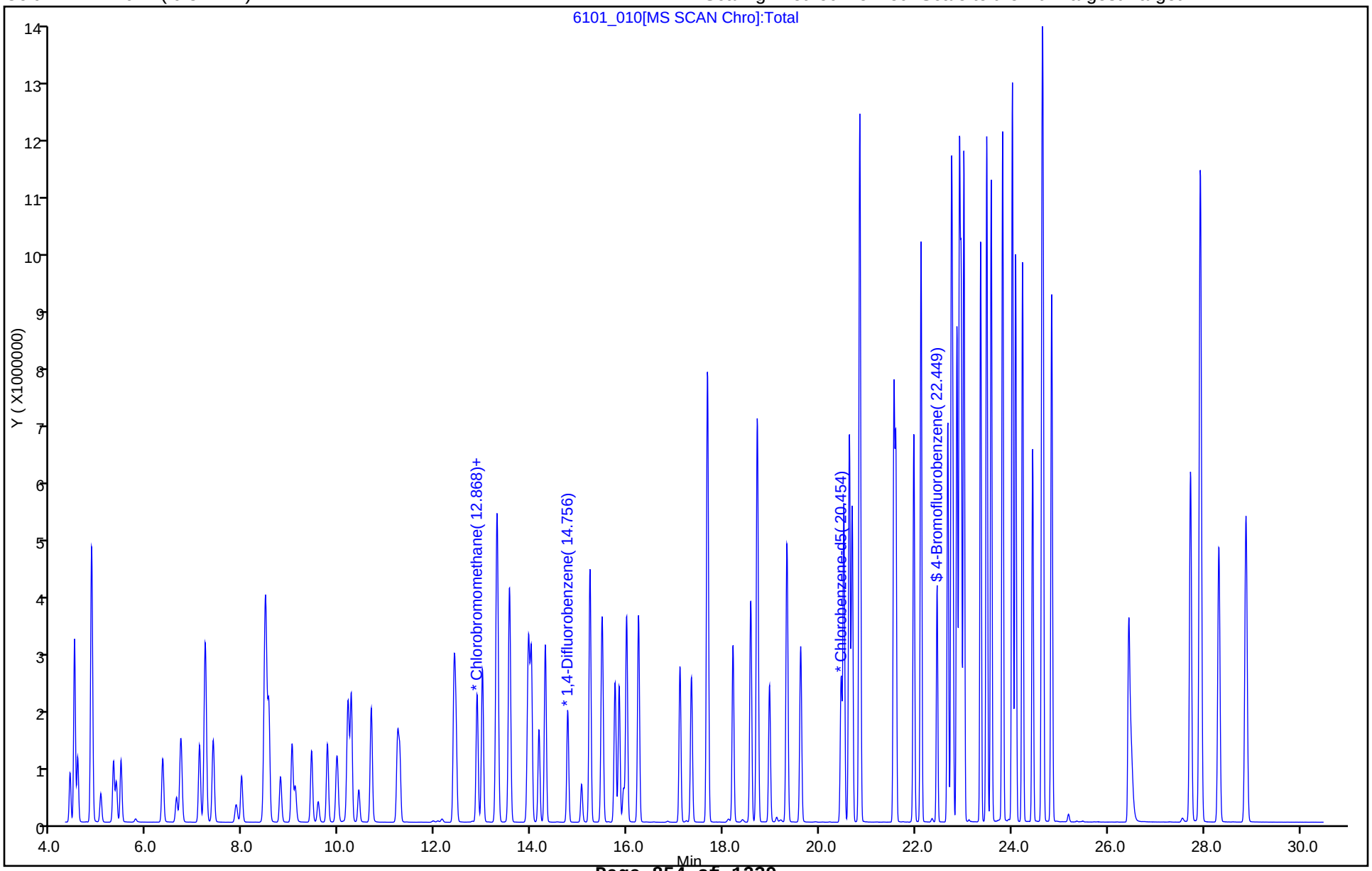
Report Date: 12-Feb-2014 09:35:37 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_010.d

Injection Date:	12-Feb-2014 00:07:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 12-Feb-2014 00:55:30 ALS Bottle#: 8 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-011
Misc. Info.: IC 08
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:35:38 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:12:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.394	4.383	0.011	97	1299181	35.1	
2 Dichlorodifluoromethane	85	4.485	4.479	0.006	98	8550592	33.4	
6 Chlorodifluoromethane	51	4.554	4.544	0.010	93	3413634	35.1	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.843	4.832	0.011	86	7032234	32.2	
8 Chloromethane	50	5.036	5.025	0.011	99	1586316	35.9	
9 Butane	43	5.303	5.287	0.016	94	2666551	37.3	
10 Vinyl chloride	62	5.357	5.346	0.011	97	2226661	35.1	
11 Butadiene	54	5.459	5.442	0.016	93	1497279	38.3	
13 BFB								
12 Bromomethane	94	6.331	6.314	0.016	99	2299545	35.0	
14 Chloroethane	64	6.614	6.598	0.016	99	1277845	37.8	
15 2-Methylbutane	43	6.705	6.678	0.027	86	1989631	36.5	
16 Vinyl bromide	106	7.096	7.079	0.017	99	3215429	36.7	
17 Trichlorofluoromethane	101	7.213	7.192	0.021	98	9585030	33.4	
18 Pentane	43	7.384	7.357	0.027	93	2914419	38.1	
19 Ethanol	45	7.871	7.796	0.075	100	1549275	96.7	
21 Ethyl ether	59	7.973	7.941	0.032	88	1580002	39.5	
22 Acrolein	56	8.438	8.406	0.032	97	626835	37.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.470	8.443	0.027	95	5837171	32.5	
24 1,1-Dichloroethene	96	8.535	8.518	0.017	95	2826103	36.5	
25 Acetone	43	8.791	8.748	0.043	87	2879495	35.4	
26 Carbon disulfide	76	9.021	9.000	0.021	98	6427705	36.0	
27 Isopropyl alcohol	45	9.107	9.032	0.075	98	2486222	36.5	
29 3-Chloro-1-propene	41	9.433	9.406	0.027	81	2265645	41.1	
30 Acetonitrile	41	9.572	9.535	0.037	98	1093925	36.7	
31 Methylene Chloride	49	9.760	9.733	0.027	79	2025034	35.7	
32 2-Methyl-2-propanol	59	9.974	9.904	0.070	98	4658737	37.6	
33 Methyl tert-butyl ether	73	10.193	10.161	0.032	95	8388437	40.9	
S 41 1,2-Dichloroethene, Total	61				0		74.2	
34 trans-1,2-Dichloroethene	61	10.263	10.236	0.027	88	3411936	36.5	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
35 Acrylonitrile	53	10.418	10.385	0.033	93	1365965	39.3	
36 Hexane	57	10.674	10.653	0.021	89	3163901	40.3	
37 1,1-Dichloroethane	63	11.225	11.199	0.026	99	4305646	34.3	
38 Vinyl acetate	43	11.268	11.236	0.032	98	4741059	40.6	
39 cis-1,2-Dichloroethene	96	12.397	12.375	0.022	98	3084080	37.7	
40 2-Butanone (MEK)	72	12.424	12.392	0.032	99	1211726	35.2	
42 Ethyl acetate	88	12.445	12.413	0.032	97	253596	37.8	
44 Tetrahydrofuran	42	12.873	12.846	0.027	80	1880073	37.4	
* 43 Chlorobromomethane	128	12.879	12.852	0.027	68	560558	10.0	
45 Chloroform	83	12.991	12.964	0.027	99	6452059	34.3	
46 Cyclohexane	84	13.285	13.264	0.021	83	3634256	37.5	
47 1,1,1-Trichloroethane	97	13.301	13.280	0.021	95	7644188	34.5	
48 Carbon tetrachloride	117	13.553	13.531	0.022	98	8456206	33.4	
51 Isooctane	57	13.948	13.927	0.021	97	9832262	38.1	
50 Benzene	78	14.007	13.986	0.021	95	7794483	33.7	
52 1,2-Dichloroethane	62	14.168	14.141	0.027	99	4176790	35.7	
53 n-Heptane	43	14.296	14.275	0.021	80	3119323	38.7	
* 54 1,4-Difluorobenzene	114	14.767	14.745	0.022	92	2654290	10.0	
A 57 GRO	1	14.769	6.668 - 22.871		0	1106764022	0	
55 n-Butanol	56	15.051	15.024	0.027	84	1126195	39.2	
56 Trichloroethene	95	15.227	15.211	0.016	96	4215341	35.4	
58 1,2-Dichloropropane	63	15.751	15.730	0.021	84	2485785	35.3	
59 Methyl methacrylate	69	15.837	15.815	0.022	76	2888354	39.5	
60 1,4-Dioxane	88	15.928	15.901	0.027	84	1345638	33.2	
61 Dibromomethane	174	15.992	15.970	0.022	89	4755977	32.6	
62 Dichlorobromomethane	83	16.238	16.222	0.016	97	7195458	35.3	
A 63 TVOC as Toluene	1	16.631	4.373 - 28.889		0	1868084363	9705.0	
64 cis-1,3-Dichloropropene	75	17.099	17.083	0.016	90	4831261	41.9	
65 4-Methyl-2-pentanone (MIBK)	43	17.340	17.324	0.016	89	4374920	38.7	
A 68 C8 Range	1	17.656	17.606 - 17.706		0	42154473	NC	
69 n-Octane	43	17.672	17.656	0.016	76	3789224	35.5	
66 Toluene	92	17.677	17.661	0.016	94	5834314	32.8	
A 67 Toluene Range	1	17.661	17.621 - 17.701		0	42154473	NC	
70 trans-1,3-Dichloropropene	75	18.202	18.191	0.011	95	5475160	41.4	
71 1,1,2-Trichloroethane	83	18.576	18.560	0.016	91	3044405	34.3	
72 Tetrachloroethene	166	18.710	18.699	0.011	98	7188363	32.5	
73 2-Hexanone	43	18.967	18.950	0.016	89	4156948	41.5	
74 Chlorodibromomethane	129	19.330	19.314	0.016	96	8774775	35.6	
75 Ethylene Dibromide	107	19.614	19.603	0.011	99	6625295	36.8	
S 82 Xylenes, Total	106				0		102.0	
* 76 Chlorobenzene-d5	117	20.454	20.443	0.011	64	2454063	10.0	
77 Chlorobenzene	112	20.513	20.502	0.011	93	9580082	32.2	
78 Ethylbenzene	91	20.625	20.614	0.011	95	14213914	34.2	
79 n-Nonane	57	20.684	20.673	0.011	76	4793442	34.5	
80 m-Xylene & p-Xylene	106	20.844	20.833	0.011	96	10940635	65.2	
83 o-Xylene	106	21.556	21.545	0.011	94	5820499	36.8	
84 Styrene	104	21.593	21.582	0.011	93	8924095	38.0	
85 Bromoform	173	21.968	21.962	0.006	96	8504614	34.3	
86 Isopropylbenzene	105	22.117	22.112	0.005	96	16571499	34.0	
$ 87 4-Bromofluorobenzene	95	22.449	22.444	0.005	97	1777055	NC	
88 1,1,2,2-Tetrachloroethane	83	22.674	22.668	0.006	92	7354083	30.5	
90 N-Propylbenzene	91	22.749	22.743	0.006	96	17147954	30.3	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.776	22.770	0.006	88	5927464	31.9	
93	n-Decane	57	22.866	22.861	0.005	79	6090541	31.4	
91	4-Ethyltoluene	105	22.915	22.909	0.006	81	16015232	29.6	
92	2-Chlorotoluene	91	22.952	22.946	0.006	93	14469307	30.5	
94	1,3,5-Trimethylbenzene	105	23.011	23.005	0.006	86	15053321	30.0	
95	Alpha Methyl Styrene	118	23.359	23.353	0.006	86	8283686	39.6	
96	tert-Butylbenzene	119	23.487	23.481	0.006	89	14879192	30.6	
97	1,2,4-Trimethylbenzene	105	23.578	23.572	0.006	96	15215793	31.8	
98	sec-Butylbenzene	105	23.819	23.808	0.011	94	19130372	29.0	
99	4-Isopropyltoluene	119	24.017	24.011	0.006	90	17749239	30.6	
100	1,3-Dichlorobenzene	146	24.086	24.081	0.005	94	11371054	32.6	
101	1,4-Dichlorobenzene	146	24.231	24.225	0.006	93	11376207	35.0	
102	Benzyl chloride	91	24.439	24.434	0.005	99	13049488	44.8	
104	Undecane	57	24.632	24.626	0.006	85	5961631	30.3	
103	n-Butylbenzene	91	24.659	24.653	0.006	97	13698552	31.1	
105	1,2-Dichlorobenzene	146	24.835	24.830	0.005	95	11211062	33.0	
106	Dodecane	57	26.456	26.434	0.022	90	921744	7.15	
107	1,2,4-Trichlorobenzene	180	27.729	27.724	0.005	94	6630259	38.0	
108	Hexachlorobutadiene	225	27.938	27.927	0.011	94	5670385	20.6	
109	Naphthalene	128	28.318	28.312	0.006	98	14116069	41.5	
110	1,2,3-Trichlorobenzene	180	28.896	28.879	0.017	96	4461825	27.5	

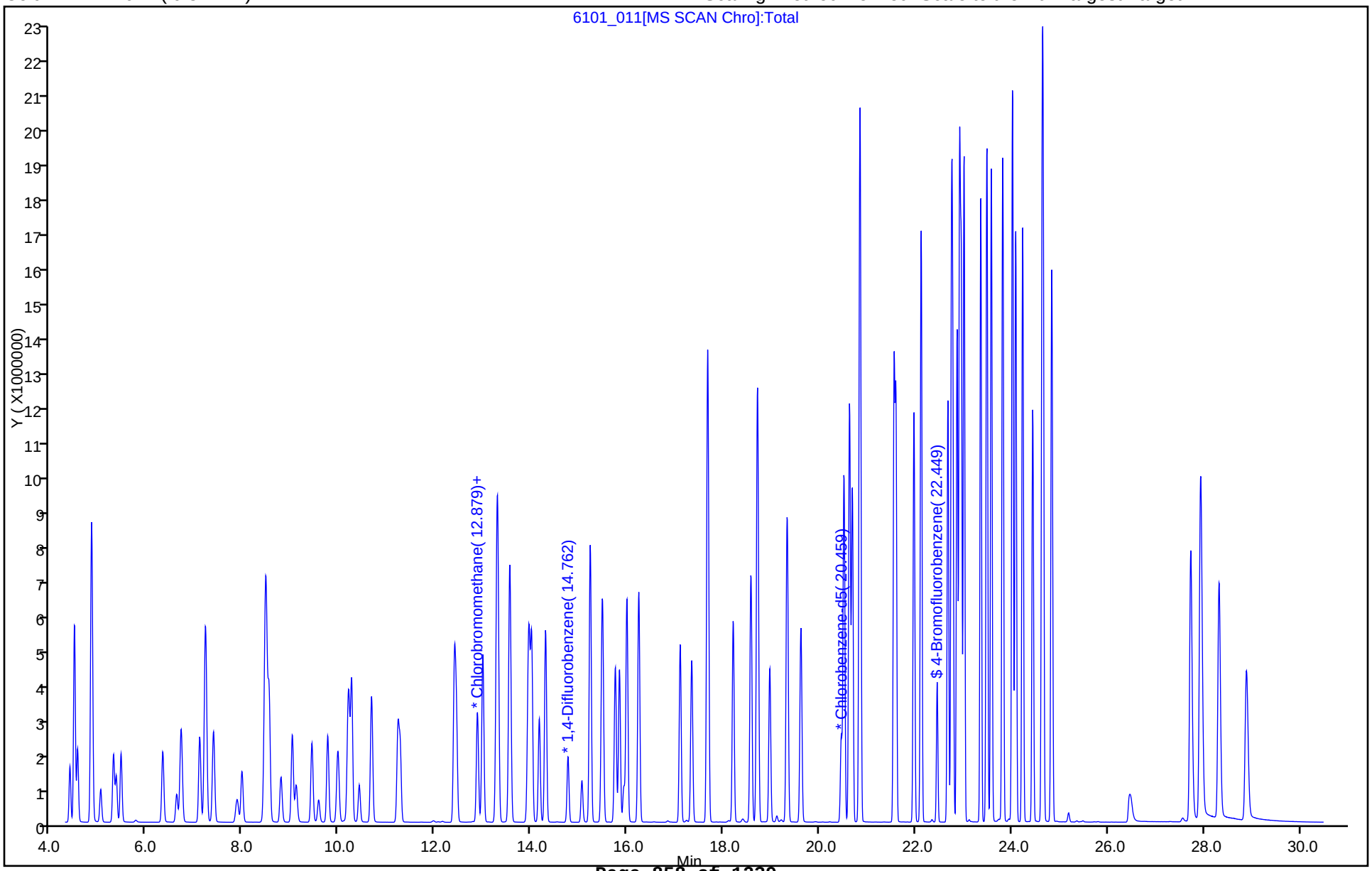
Report Date: 12-Feb-2014 09:35:39 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Injection Date:	12-Feb-2014 00:55:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	11
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: ICV 200-66774/13 Calibration Date: 01/03/2014 17:25

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: cma013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.1663	0.1489		8.95	10.0	-10.5	30.0
Freon 12	Ave	1.683	1.689		10.0	10.0	0.4	30.0
Freon 22	Ave	0.5176	0.4976		9.61	10.0	-3.9	30.0
Freon-114	Ave	1.767	1.775		10.0	10.0	0.4	30.0
Chloromethane	Ave	0.2664	0.2504		9.40	10.0	-6.0	30.0
n-Butane	Ave	0.3806	0.3486		9.16	10.0	-8.4	30.0
Vinyl chloride	Ave	0.4224	0.4283		10.1	10.0	1.4	30.0
1,3-Butadiene	Ave	0.2692	0.2708		10.1	10.0	0.6	30.0
Bromomethane	Ave	0.6591	0.6487		9.84	10.0	-1.6	30.0
Chloroethane	Ave	0.2073	0.2038		9.83	10.0	-1.7	30.0
Isopentane	Ave	0.2627	0.2370		9.02	10.0	-9.8	30.0
Vinyl bromide	Ave	0.8147	0.8554		10.5	10.0	5.0	30.0
Freon 11	Ave	1.985	2.031		10.2	10.0	2.3	30.0
n-Pentane	Ave	0.4446	0.4132		9.29	10.0	-7.1	30.0
Ethanol	Ave	0.0905	0.0895		14.8	15.0	-1.1	30.0
Ethyl ether	Ave	0.3038	0.2851		9.38	10.0	-6.1	30.0
Acrolein	Ave	0.1319	0.0950		7.20	10.0	-28.0	30.0
Freon 113	Ave	1.460	1.625		11.1	10.0	11.3	30.0
1,1-Dichloroethene	Ave	0.6933	0.7855		11.3	10.0	13.3	30.0
Acetone	Ave	0.3906	0.3876		9.92	10.0	-0.8	30.0
Carbon disulfide	Ave	1.745	1.748		10.0	10.0	0.2	30.0
Isopropyl alcohol	Ave	0.2879	0.2706		9.40	10.0	-6.0	30.0
Allyl chloride	Ave	0.2838	0.2647		9.33	10.0	-6.7	30.0
Acetonitrile	Ave	0.2192	0.1424		6.49	10.0	-35.0*	30.0
Methylene Chloride	Ave	0.3364	0.3338		9.92	10.0	-0.8	30.0
tert-Butyl alcohol	Ave	0.7211	0.7018		9.73	10.0	-2.7	30.0
Methyl tert-butyl ether	Ave	1.651	1.691		10.2	10.0	2.4	30.0
trans-1,2-Dichloroethene	Ave	0.6505	0.6439		9.90	10.0	-1.0	30.0
Acrylonitrile	Ave	0.2482	0.2422		9.76	10.0	-2.4	30.0
Hexane	Ave	0.6489	0.6252		9.63	10.0	-3.7	30.0
1,1-Dichloroethane	Ave	0.9199	0.9289		10.1	10.0	1.0	30.0
Vinyl acetate	Ave	0.6999	0.6801		9.72	10.0	-2.8	30.0
cis-1,2-Dichloroethene	Ave	0.9487	1.021		10.8	10.0	7.6	30.0
Methyl Ethyl Ketone	Ave	0.3688	0.3581		9.71	10.0	-2.9	30.0
Ethyl acetate	Ave	0.0780	0.0824		10.6	10.0	5.5	30.0
Tetrahydrofuran	Ave	0.0644	0.0598		9.28	10.0	-7.1	30.0
Chloroform	Ave	1.762	1.830		10.4	10.0	3.8	30.0
Cyclohexane	Ave	0.2258	0.2287		10.1	10.0	1.3	30.0
1,1,1-Trichloroethane	Ave	0.3561	0.3592		10.1	10.0	0.9	30.0
Carbon tetrachloride	Ave	0.3919	0.4078		10.4	10.0	4.0	30.0
2,2,4-Trimethylpentane	Ave	0.5912	0.5645		9.55	10.0	-4.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: ICV 200-66774/13 Calibration Date: 01/03/2014 17:25

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: cma013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5194	0.5185		9.98	10.0	-0.2	30.0
1,2-Dichloroethane	Ave	0.1831	0.1791		9.78	10.0	-2.2	30.0
Heptane	Ave	0.1688	0.1510		8.94	10.0	-10.6	30.0
n-Butanol	Ave	0.0724	0.0636		8.78	10.0	-12.2	30.0
Trichloroethene	Ave	0.2679	0.2831		10.6	10.0	5.7	30.0
1,2-Dichloropropane	Ave	0.1923	0.1871		9.72	10.0	-2.7	30.0
Methyl methacrylate	Ave	0.2021	0.2073		10.3	10.0	2.6	30.0
1,4-Dioxane	Ave	0.0894	0.0830		9.29	10.0	-7.1	30.0
Dibromomethane	Ave	0.2658	0.3034		11.4	10.0	14.2	30.0
Bromodichloromethane	Ave	0.4044	0.4367		10.8	10.0	8.0	30.0
cis-1,3-Dichloropropene	Ave	0.3270	0.3340		10.2	10.0	2.1	30.0
methyl isobutyl ketone	Ave	0.2538	0.2414		9.51	10.0	-4.9	30.0
Toluene	Ave	0.4926	0.5157		10.5	10.0	4.7	30.0
n-Octane	Ave	0.2879	0.2596		9.01	10.0	-9.8	30.0
trans-1,3-Dichloropropene	Ave	0.3463	0.3375		9.74	10.0	-2.5	30.0
1,1,2-Trichloroethane	Ave	0.2241	0.2231		9.95	10.0	-0.5	30.0
Tetrachloroethene	Ave	0.4302	0.4779		11.1	10.0	11.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2588	0.2430		9.39	10.0	-6.1	30.0
Dibromochloromethane	Ave	0.4767	0.5466		11.5	10.0	14.7	30.0
1,2-Dibromoethane	Ave	0.4366	0.4617		10.6	10.0	5.8	30.0
Chlorobenzene	Ave	0.6963	0.7382		10.6	10.0	6.0	30.0
Ethylbenzene	Ave	1.057	1.107		10.5	10.0	4.7	30.0
n-Nonane	Ave	0.4044	0.3871		9.57	10.0	-4.3	30.0
m,p-Xylene	Ave	0.4403	0.4698		21.3	20.0	6.7	30.0
Xylene, o-	Ave	0.4307	0.4513		10.5	10.0	4.8	30.0
Styrene	Ave	0.6632	0.7234		10.9	10.0	9.1	30.0
Bromoform	Ave	0.5021	0.5833		11.6	10.0	16.2	30.0
Cumene	Ave	1.220	1.321		10.8	10.0	8.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5833	0.5842		10.0	10.0	0.1	30.0
n-Propylbenzene	Ave	1.429	1.507		10.5	10.0	5.5	30.0
1,2,3-Trichloropropane	Ave	0.4358	0.4424		10.2	10.0	1.5	30.0
n-Decane	Ave	0.4770	0.4685		9.82	10.0	-1.8	30.0
4-Ethyltoluene	Ave	1.242	1.371		11.0	10.0	10.4	30.0
2-Chlorotoluene	Ave	0.9591	1.036		10.8	10.0	8.0	30.0
1,3,5-Trimethylbenzene	Ave	1.034	1.090		10.5	10.0	5.4	30.0
Alpha Methyl Styrene	Ave	0.5445	0.6078		11.2	10.0	11.6	30.0
tert-Butylbenzene	Ave	1.020	1.117		11.0	10.0	9.6	30.0
1,2,4-Trimethylbenzene	Ave	1.030	1.063		10.3	10.0	3.2	30.0
sec-Butylbenzene	Ave	1.495	1.611		10.8	10.0	7.7	30.0
4-Isopropyltoluene	Ave	1.311	1.441		11.0	10.0	9.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: ICV 200-66774/13 Calibration Date: 01/03/2014 17:25

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: cma013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.7644	0.7943		10.4	10.0	3.9	30.0
1,4-Dichlorobenzene	Ave	0.7647	0.7918		10.4	10.0	3.5	30.0
Benzyl chloride	Ave	0.9052	0.7462		8.24	10.0	-17.6	30.0
n-Butylbenzene	Ave	1.063	1.129		10.6	10.0	6.3	30.0
n-Undecane	Ave	0.4458	0.4833		10.8	10.0	8.4	30.0
1,2-Dichlorobenzene	Ave	0.7209	0.7277		10.1	10.0	0.9	30.0
n-Dodecane	Ave	0.4199	0.4988		11.9	10.0	18.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5087	0.5856		11.5	10.0	15.1	30.0
Hexachloro-1,3-butadiene	Ave	0.4833	0.5384		11.1	10.0	11.4	30.0
Naphthalene	Ave	0.8822	1.219		13.8	10.0	38.1*	30.0
1,2,3-Trichlorobenzene	Ave	0.4221	0.5573		13.2	10.0	32.0*	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma013.D
Lims ID: icv Lab Sample ID: ICV 200-66776/13-A
Client ID:
Sample Type: ICV
Inject. Date: 03-Jan-2014 17:25:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005623-013
Misc. Info.: icv
Operator ID: pad Instrument ID: CHC.i
Sublist:

Method: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jan-2014 12:23:35 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: lyonsb Date: 21-Jan-2014 12:23:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.186	3.181	0.005	98	81134	8.95	
2 Dichlorodifluoromethane	85	3.267	3.256	0.011	87	920459	10.0	
6 Chlorodifluoromethane	51	3.325	3.320	0.005	92	271200	9.61	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.555	3.549	0.006	86	967567	10.0	
8 Chloromethane	50	3.709	3.704	0.005	99	136479	9.40	
9 Butane	43	3.928	3.918	0.010	96	190028	9.16	
10 Vinyl chloride	62	3.982	3.971	0.011	84	233476	10.1	
11 Butadiene	54	4.067	4.056	0.011	85	147604	10.1	
12 Bromomethane	94	4.809	4.798	0.011	99	353581	9.84	
13 Chloroethane	64	5.065	5.060	0.005	94	111062	9.83	
14 2-Methylbutane	43	5.140	5.134	0.006	83	129184	9.02	
15 Vinyl bromide	106	5.481	5.476	0.005	98	466273	10.5	
16 Trichlorofluoromethane	101	5.588	5.583	0.005	96	1106986	10.2	
17 Pentane	43	5.738	5.732	0.006	93	225193	9.29	
19 Ethanol	45	6.245	6.239	0.005	94	73207	14.8	
21 Ethyl ether	59	6.309	6.303	0.006	78	155419	9.38	
22 Acrolein	56	6.725	6.719	0.006	32	51804	7.20	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.736	6.725	0.011	89	885584	11.1	
24 1,1-Dichloroethene	96	6.773	6.773	0.0	81	428165	11.3	
18 BFB								
25 Acetone	43	7.061	7.056	0.005	93	211276	9.92	
26 Carbon disulfide	76	7.162	7.157	0.005	97	952911	10.0	
27 Isopropyl alcohol	45	7.376	7.371	0.005	98	147491	9.40	
29 3-Chloro-1-propene	41	7.611	7.605	0.006	73	144301	9.33	
30 Acetonitrile	41	7.782	7.776	0.006	99	77609	6.49	
31 Methylene Chloride	49	7.920	7.915	0.005	67	181925	9.92	
32 2-Methyl-2-propanol	59	8.182	8.176	0.006	97	382500	9.73	
33 Methyl tert-butyl ether	73	8.337	8.331	0.006	92	921501	10.2	
34 trans-1,2-Dichloroethene	61	8.363	8.358	0.005	76	350969	9.90	
35 Acrylonitrile	53	8.561	8.555	0.006	95	132026	9.76	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	36 Hexane	57	8.758	8.758	0.0	79	340749	9.63
	37 1,1-Dichloroethane	63	9.287	9.281	0.006	98	506283	10.1
	38 Vinyl acetate	43	9.377	9.377	0.0	97	370712	9.72
S	41 1,2-Dichloroethene, Total	61				0		20.7
	39 cis-1,2-Dichloroethene	96	10.450	10.445	0.005	84	556518	10.8
	40 2-Butanone (MEK)	72	10.530	10.530	0.0	97	195168	9.71
	42 Ethyl acetate	88	10.567	10.562	0.005	97	44893	10.6
*	43 Chlorobromomethane	128	10.941	10.936	0.005	61	545172	10.0
	44 Tetrahydrofuran	42	10.957	10.952	0.005	69	192880	9.28
	45 Chloroform	83	11.080	11.080	0.0	98	997388	10.4
	46 Cyclohexane	84	11.309	11.304	0.005	69	737184	10.1
	47 1,1,1-Trichloroethane	97	11.357	11.352	0.005	91	1157846	10.1
	48 Carbon tetrachloride	117	11.608	11.608	0.0	96	1314368	10.4
	51 Isooctane	57	12.067	12.067	0.0	97	1819518	9.55
	50 Benzene	78	12.115	12.110	0.005	91	1671215	9.98
	52 1,2-Dichloroethane	62	12.318	12.318	0.0	98	577290	9.78
	53 n-Heptane	43	12.478	12.478	0.0	71	486610	8.94
*	54 1,4-Difluorobenzene	114	13.006	13.006	0.0	91	3224050	10.0
	55 n-Butanol	56	13.449	13.449	0.0	75	205003	8.78
	56 Trichloroethene	95	13.492	13.487	0.005	92	912636	10.6
A	57 GRO	1	13.505	5.124 - 21.886		0	181834903	0
	58 1,2-Dichloropropane	63	14.090	14.090	0.0	93	602928	9.72
	59 Methyl methacrylate	69	14.271	14.271	0.0	71	668263	10.3
	60 1,4-Dioxane	88	14.341	14.335	0.006	68	267686	9.29
	61 Dibromomethane	174	14.357	14.351	0.006	91	978033	11.4
	62 Dichlorobromomethane	83	14.661	14.655	0.006	97	1407740	10.8
A	63 TVOC as Toluene	1	15.282	3.171 - 27.394		0	355915316	2241.1
	64 cis-1,3-Dichloropropene	75	15.621	15.616	0.005	83	1076673	10.2
	65 4-Methyl-2-pentanone (MIBK)	43	15.931	15.926	0.005	84	778202	9.51
	66 Toluene	92	16.214	16.214	0.0	93	1604859	10.5
A	67 Toluene Range	1	16.214	16.174 - 16.254		0	10066102	NC
	68 n-Octane	43	16.257	16.251	0.006	71	836900	9.01
A	69 C8 Range	1	16.251	16.201 - 16.301		0	10066102	NC
	70 trans-1,3-Dichloropropene	75	16.828	16.828	0.0	88	1087745	9.74
	71 1,1,2-Trichloroethane	83	17.212	17.212	0.0	93	694196	9.95
	72 Tetrachloroethene	166	17.297	17.297	0.0	94	1487468	11.1
	73 2-Hexanone	43	17.671	17.671	0.0	83	756336	9.39
	74 Chlorodibromomethane	129	17.975	17.975	0.0	97	1701193	11.5
	75 Ethylene Dibromide	107	18.253	18.252	0.001	98	1437021	10.6
*	76 Chlorobenzene-d5	117	19.149	19.149	0.0	78	3112926	10.0
	77 Chlorobenzene	112	19.208	19.208	0.0	97	2297377	10.6
	78 Ethylbenzene	91	19.357	19.357	0.0	96	3443854	10.5
	79 n-Nonane	57	19.459	19.459	0.0	76	1204848	9.57
	81 m-Xylene & p-Xylene	106	19.608	19.608	0.0	98	2924385	21.3
S	82 Xylenes, Total	106				0		31.8
	83 o-Xylene	106	20.414	20.414	0.0	95	1404477	10.5
	84 Styrene	104	20.467	20.467	0.0	98	2251560	10.9
	85 Bromoform	173	20.862	20.862	0.0	98	1815264	11.6
	86 Isopropylbenzene	105	21.049	21.049	0.0	93	4110955	10.8
$	87 4-Bromofluorobenzene	95	21.401	21.401	0.0	98	2070682	NC
	88 1,1,2,2-Tetrachloroethane	83	21.668	21.668	0.0	96	1818068	10.0
	90 N-Propylbenzene	91	21.727	21.727	0.0	99	4690802	10.5

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q		Response	On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	21.764	21.764	0.0	84	1376857	10.2	
93	n-Decane	57	21.876	21.876	0.0	73	1458019	9.82	
91	4-Ethyltoluene	105	21.908	21.908	0.0	94	4266959	11.0	
92	2-Chlorotoluene	91	21.919	21.924	-0.005	93	3222895	10.8	
94	1,3,5-Trimethylbenzene	105	22.010	22.010	0.0	94	3391230	10.5	
95	Alpha Methyl Styrene	118	22.362	22.362	0.0	90	1891677	11.2	
96	tert-Butylbenzene	119	22.479	22.479	0.0	91	3477716	11.0	
97	1,2,4-Trimethylbenzene	105	22.570	22.570	0.0	95	3308709	10.3	
98	sec-Butylbenzene	105	22.794	22.794	0.0	98	5013304	10.8	
99	4-Isopropyltoluene	119	22.992	22.992	0.0	93	4485762	11.0	
100	1,3-Dichlorobenzene	146	23.029	23.029	0.0	98	2471991	10.4	
101	1,4-Dichlorobenzene	146	23.168	23.168	0.0	96	2464253	10.4	
102	Benzyl chloride	91	23.376	23.376	0.0	99	2322514	8.24	
103	n-Butylbenzene	91	23.579	23.579	0.0	96	3515033	10.6	
104	Undecane	57	23.584	23.584	0.0	82	1504139	10.8	
105	1,2-Dichlorobenzene	146	23.723	23.723	0.0	98	2264953	10.1	
106	Dodecane	57	25.244	25.244	0.0	87	1552394	11.9	
107	1,2,4-Trichlorobenzene	180	26.354	26.354	0.0	89	1822589	11.5	
108	Hexachlorobutadiene	225	26.541	26.541	0.0	96	1675576	11.1	
109	Naphthalene	128	26.882	26.882	0.0	99	3792807	13.8	
110	1,2,3-Trichlorobenzene	180	27.384	27.384	0.0	96	1734478	13.2	

WorkSheet Quantitation Report

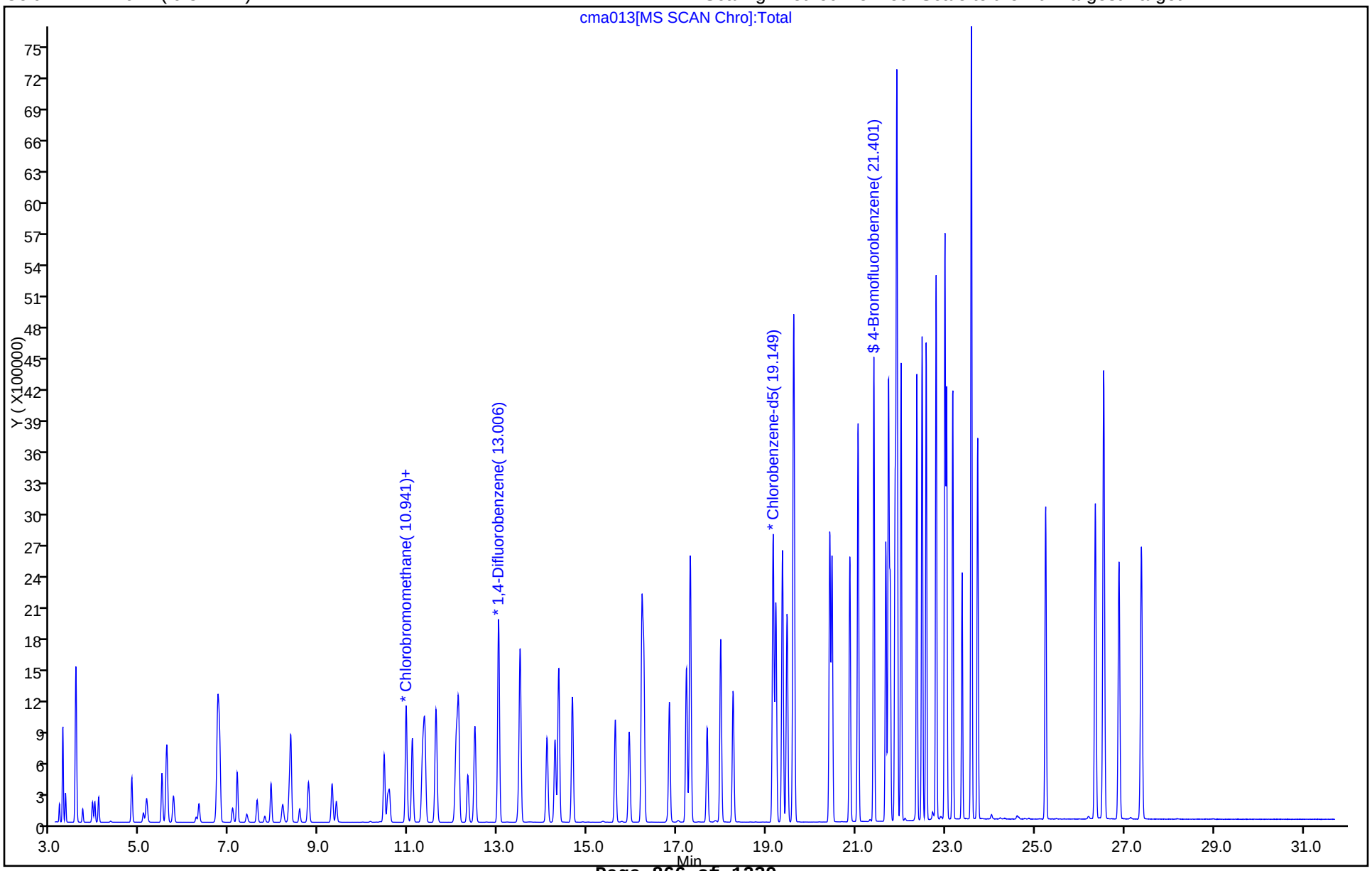
Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 21-Jan-2014 12:23:35 Chrom Revision: 2.1 07-Jan-2014 14:40:50

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma013.D				
Injection Date:	03-Jan-2014 17:25:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	icv	Lab Sample ID:	ICV 200-66776/13-A	Worklist Smp#:	13
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: CCVIS 200-68870/3 Calibration Date: 02/26/2014 12:54

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: 6343_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.1663	0.2217		13.3	10.0	33.3*	30.0
Freon 12	Ave	1.683	1.986		11.8	10.0	18.0	30.0
Freon 22	Ave	0.5176	0.6530		12.6	10.0	26.2	30.0
Freon-114	Ave	1.767	2.044		11.6	10.0	15.6	30.0
Chloromethane	Ave	0.2664	0.3248		12.2	10.0	21.9	30.0
n-Butane	Ave	0.3806	0.4732		12.4	10.0	24.3	30.0
Vinyl chloride	Ave	0.4224	0.5098		12.1	10.0	20.7	30.0
1,3-Butadiene	Ave	0.2692	0.3212		11.9	10.0	19.3	30.0
Bromomethane	Ave	0.6591	0.7561		11.5	10.0	14.7	30.0
Chloroethane	Ave	0.2073	0.2502		12.1	10.0	20.7	30.0
Isopentane	Ave	0.2627	0.3226		12.3	10.0	22.8	30.0
Vinyl bromide	Ave	0.8147	0.8955		11.0	10.0	9.9	30.0
Freon 11	Ave	1.985	2.221		11.2	10.0	11.9	30.0
n-Pentane	Ave	0.4446	0.5503		12.4	10.0	23.8	30.0
Ethanol	Ave	0.0905	0.1023		17.0	15.0	13.1	30.0
Ethyl ether	Ave	0.3038	0.3488		11.5	10.0	14.8	30.0
Acrolein	Ave	0.1319	0.1628		12.3	10.0	23.4	30.0
Freon 113	Ave	1.460	1.614		11.1	10.0	10.6	30.0
1,1-Dichloroethene	Ave	0.6933	0.7681		11.1	10.0	10.8	30.0
Acetone	Ave	0.3906	0.5877		15.0	10.0	50.4*	30.0
Carbon disulfide	Ave	1.745	1.912		11.0	10.0	9.6	30.0
Isopropyl alcohol	Ave	0.2879	0.3450		12.0	10.0	19.8	30.0
Allyl chloride	Ave	0.2838	0.3523		12.4	10.0	24.1	30.0
Acetonitrile	Ave	0.2192	0.2020		9.21	10.0	-7.9	30.0
Methylene Chloride	Ave	0.3364	0.3923		11.7	10.0	16.6	30.0
tert-Butyl alcohol	Ave	0.7211	0.7881		10.9	10.0	9.3	30.0
Methyl tert-butyl ether	Ave	1.651	1.851		11.2	10.0	12.2	30.0
trans-1,2-Dichloroethene	Ave	0.6505	0.7470		11.5	10.0	14.8	30.0
Acrylonitrile	Ave	0.2482	0.2876		11.6	10.0	15.8	30.0
Hexane	Ave	0.6489	0.7187		11.1	10.0	10.8	30.0
1,1-Dichloroethane	Ave	0.9199	1.031		11.2	10.0	12.0	30.0
Vinyl acetate	Ave	0.6999	0.8655		12.4	10.0	23.7	30.0
cis-1,2-Dichloroethene	Ave	0.9487	1.005		10.6	10.0	6.0	30.0
Methyl Ethyl Ketone	Ave	0.3688	0.3867		10.5	10.0	4.8	30.0
Ethyl acetate	Ave	0.0780	0.0840		10.8	10.0	7.7	30.0
Tetrahydrofuran	Ave	0.0644	0.0813		12.6	10.0	26.2	30.0
Chloroform	Ave	1.762	1.897		10.8	10.0	7.7	30.0
Cyclohexane	Ave	0.2258	0.2425		10.7	10.0	7.4	30.0
1,1,1-Trichloroethane	Ave	0.3561	0.4012		11.3	10.0	12.7	30.0
Carbon tetrachloride	Ave	0.3919	0.4445		11.3	10.0	13.4	30.0
2,2,4-Trimethylpentane	Ave	0.5912	0.6448		10.9	10.0	9.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: CCVIS 200-68870/3 Calibration Date: 02/26/2014 12:54

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: 6343_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5194	0.5499		10.6	10.0	5.9	30.0
1,2-Dichloroethane	Ave	0.1831	0.2096		11.4	10.0	14.5	30.0
Heptane	Ave	0.1688	0.1897		11.2	10.0	12.4	30.0
n-Butanol	Ave	0.0724	0.0677		9.34	10.0	-6.6	30.0
Trichloroethene	Ave	0.2679	0.2879		10.7	10.0	7.5	30.0
1,2-Dichloropropane	Ave	0.1923	0.2053		10.7	10.0	6.7	30.0
Methyl methacrylate	Ave	0.2021	0.2168		10.7	10.0	7.2	30.0
1,4-Dioxane	Ave	0.0894	0.0954		10.7	10.0	6.8	30.0
Dibromomethane	Ave	0.2658	0.2972		11.2	10.0	11.8	30.0
Bromodichloromethane	Ave	0.4044	0.4553		11.3	10.0	12.6	30.0
cis-1,3-Dichloropropene	Ave	0.3270	0.3587		11.0	10.0	9.7	30.0
methyl isobutyl ketone	Ave	0.2538	0.2938		11.6	10.0	15.7	30.0
Toluene	Ave	0.4926	0.5268		10.7	10.0	6.9	30.0
n-Octane	Ave	0.2879	0.3316		11.5	10.0	15.2	30.0
trans-1,3-Dichloropropene	Ave	0.3463	0.3755		10.8	10.0	8.4	30.0
1,1,2-Trichloroethane	Ave	0.2241	0.2439		10.9	10.0	8.8	30.0
Tetrachloroethene	Ave	0.4302	0.4883		11.3	10.0	13.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2588	0.3001		11.6	10.0	16.0	30.0
Dibromochloromethane	Ave	0.4767	0.5400		11.3	10.0	13.3	30.0
1,2-Dibromoethane	Ave	0.4366	0.4856		11.1	10.0	11.2	30.0
Chlorobenzene	Ave	0.6963	0.7525		10.8	10.0	8.1	30.0
Ethylbenzene	Ave	1.057	1.156		10.9	10.0	9.4	30.0
n-Nonane	Ave	0.4044	0.4423		10.9	10.0	9.4	30.0
m,p-Xylene	Ave	0.4403	0.4873		22.1	20.0	10.7	30.0
Xylene, o-	Ave	0.4307	0.4675		10.9	10.0	8.5	30.0
Styrene	Ave	0.6632	0.7213		10.9	10.0	8.8	30.0
Bromoform	Ave	0.5021	0.5814		11.6	10.0	15.8	30.0
Cumene	Ave	1.220	1.354		11.1	10.0	10.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5833	0.6471		11.1	10.0	10.9	30.0
n-Propylbenzene	Ave	1.429	1.588		11.1	10.0	11.1	30.0
1,2,3-Trichloropropane	Ave	0.4358	0.4920		11.3	10.0	12.9	30.0
n-Decane	Ave	0.4770	0.5512		11.6	10.0	15.5	30.0
4-Ethyltoluene	Ave	1.242	1.424		11.5	10.0	14.7	30.0
2-Chlorotoluene	Ave	0.9591	1.105		11.5	10.0	15.2	30.0
1,3,5-Trimethylbenzene	Ave	1.034	1.143		11.0	10.0	10.5	30.0
Alpha Methyl Styrene	Ave	0.5445	0.5183		9.52	10.0	-4.8	30.0
tert-Butylbenzene	Ave	1.020	1.120		11.0	10.0	9.8	30.0
1,2,4-Trimethylbenzene	Ave	1.030	1.149		11.2	10.0	11.6	30.0
sec-Butylbenzene	Ave	1.495	1.650		11.0	10.0	10.3	30.0
4-Isopropyltoluene	Ave	1.311	1.447		11.0	10.0	10.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: CCVIS 200-68870/3 Calibration Date: 02/26/2014 12:54

Instrument ID: CHC.i Calib Start Date: 01/03/2014 09:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 01/03/2014 15:48

Lab File ID: 6343_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.7644	0.8565		11.2	10.0	12.0	30.0
1,4-Dichlorobenzene	Ave	0.7647	0.8529		11.2	10.0	11.5	30.0
Benzyl chloride	Ave	0.9052	1.014		11.2	10.0	12.0	30.0
n-Butylbenzene	Ave	1.063	1.236		11.6	10.0	16.4	30.0
n-Undecane	Ave	0.4458	0.5715		12.8	10.0	28.2	30.0
1,2-Dichlorobenzene	Ave	0.7209	0.7943		11.0	10.0	10.2	30.0
n-Dodecane	Ave	0.4199	0.4534		10.8	10.0	8.0	30.0
1,2,4-Trichlorobenzene	Ave	0.5087	0.6220		12.2	10.0	22.3	30.0
Hexachloro-1,3-butadiene	Ave	0.4833	0.5511		11.4	10.0	14.0	30.0
Naphthalene	Ave	0.8822	1.165		13.2	10.0	32.0*	30.0
1,2,3-Trichlorobenzene	Ave	0.4221	0.5271		12.5	10.0	24.9	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_03.D
Lims ID: CCVIS Lab Sample ID: LCS 200-67417/3-A
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Feb-2014 12:54:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006343-003
Misc. Info.: ccvis
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub1

Method: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 27-Feb-2014 12:51:54 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: desjardinsb Date: 26-Feb-2014 14:11:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
4 Propene	41	3.181	3.181	0.0	99	88427	13.3	
5 Dichlorodifluoromethane	85	3.261	3.261	0.0	98	792217	11.8	
6 Chlorodifluoromethane	51	3.320	3.320	0.0	77	260472	12.6	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.549	3.549	0.0	86	815207	11.6	
8 Chloromethane	50	3.699	3.699	0.0	88	129566	12.2	
9 Butane	43	3.918	3.918	0.0	97	188762	12.4	
10 Vinyl chloride	62	3.971	3.971	0.0	96	203334	12.1	
11 Butadiene	54	4.056	4.056	0.0	87	128127	11.9	
12 Bromomethane	94	4.798	4.798	0.0	98	301598	11.5	
13 Chloroethane	64	5.054	5.054	0.0	96	99794	12.1	
14 2-Methylbutane	43	5.129	5.129	0.0	85	128662	12.3	
15 Vinyl bromide	106	5.471	5.471	0.0	98	357197	11.0	
16 Trichlorofluoromethane	101	5.577	5.577	0.0	96	885951	11.2	
17 Pentane	43	5.727	5.727	0.0	94	219498	12.4	
19 Ethanol	45	6.228	6.228	0.0	97	61241	17.0	
20 Ethyl ether	59	6.293	6.293	0.0	82	139138	11.5	
21 Acrolein	56	6.709	6.709	0.0	39	64940	12.3	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.719	6.719	0.0	89	643973	11.1	
24 BFB								
23 1,1-Dichloroethene	96	6.762	6.762	0.0	84	306362	11.1	
25 Acetone	43	7.045	7.045	0.0	92	234417	15.0	
26 Carbon disulfide	76	7.152	7.152	0.0	97	762540	11.0	
28 Isopropyl alcohol	45	7.365	7.365	0.0	98	137614	12.0	
29 3-Chloro-1-propene	41	7.595	7.595	0.0	76	140529	12.4	
30 Acetonitrile	41	7.760	7.760	0.0	99	80567	9.21	
31 Methylene Chloride	49	7.904	7.904	0.0	70	156463	11.7	
32 2-Methyl-2-propanol	59	8.160	8.160	0.0	98	314336	10.9	
33 Methyl tert-butyl ether	73	8.321	8.321	0.0	93	738463	11.2	
34 trans-1,2-Dichloroethene	61	8.347	8.347	0.0	82	297941	11.5	
35 Acrylonitrile	53	8.539	8.539	0.0	95	114699	11.6	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	36 Hexane	57	8.742	8.742	0.0	82	286686	11.1	
	37 1,1-Dichloroethane	63	9.265	9.265	0.0	93	411113	11.2	
	38 Vinyl acetate	43	9.361	9.361	0.0	98	345239	12.4	
S	39 1,2-Dichloroethene, Total	61				0		22.1	
	40 cis-1,2-Dichloroethene	96	10.434	10.434	0.0	87	401052	10.6	
	41 2-Butanone (MEK)	72	10.509	10.509	0.0	97	154245	10.5	
	42 Ethyl acetate	88	10.551	10.551	0.0	98	33514	10.8	
*	43 Chlorobromomethane	128	10.920	10.920	0.0	63	398950	10.0	
	44 Tetrahydrofuran	42	10.936	10.936	0.0	73	177836	12.6	
	45 Chloroform	83	11.064	11.064	0.0	99	756823	10.8	
	46 Cyclohexane	84	11.293	11.293	0.0	73	530326	10.7	
	47 1,1,1-Trichloroethane	97	11.336	11.336	0.0	91	877318	11.3	
	49 Carbon tetrachloride	117	11.592	11.592	0.0	96	972052	11.3	
	50 Isooctane	57	12.051	12.051	0.0	98	1409942	10.9	
	51 Benzene	78	12.094	12.094	0.0	93	1202622	10.6	
	52 1,2-Dichloroethane	62	12.302	12.302	0.0	99	458430	11.4	
	53 n-Heptane	43	12.462	12.462	0.0	77	414863	11.2	
*	54 1,4-Difluorobenzene	114	12.990	12.990	0.0	92	2187236	10.0	
	55 n-Butanol	56	13.433	13.433	0.0	78	147990	9.34	
	56 Trichloroethene	95	13.471	13.471	0.0	95	629530	10.7	
A	57 GRO	1	13.497	5.119 -	21.876	0	134575113	0	
	58 1,2-Dichloropropane	63	14.074	14.074	0.0	94	448902	10.7	
	59 Methyl methacrylate	69	14.250	14.250	0.0	77	474072	10.7	
	60 1,4-Dioxane	88	14.319	14.319	0.0	73	208629	10.7	
	61 Dibromomethane	174	14.335	14.335	0.0	93	649959	11.2	
	62 Dichlorobromomethane	83	14.639	14.639	0.0	98	995549	11.3	
A	63 TVOC as Toluene	1	15.277	3.171 -	27.383	0	261274805	2425.0	
	64 cis-1,3-Dichloropropene	75	15.600	15.600	0.0	86	784354	11.0	
	65 4-Methyl-2-pentanone (MIBK)	43	15.910	15.910	0.0	88	642486	11.6	
	66 Toluene	92	16.198	16.198	0.0	93	1095480	10.7	
	68 n-Octane	43	16.240	16.240	0.0	79	725239	11.5	
	70 trans-1,3-Dichloropropene	75	16.812	16.812	0.0	90	821157	10.8	
	71 1,1,2-Trichloroethane	83	17.190	17.190	0.0	94	507112	10.9	
	72 Tetrachloroethene	166	17.281	17.281	0.0	95	1015528	11.3	
	73 2-Hexanone	43	17.655	17.655	0.0	87	624060	11.6	
	74 Chlorodibromomethane	129	17.959	17.959	0.0	97	1122917	11.3	
	75 Ethylene Dibromide	107	18.236	18.236	0.0	98	1009862	11.1	
*	76 Chlorobenzene-d5	117	19.133	19.133	0.0	76	2080040	10.0	
	77 Chlorobenzene	112	19.192	19.192	0.0	96	1564879	10.8	
	79 Ethylbenzene	91	19.341	19.341	0.0	96	2404549	10.9	
	80 n-Nonane	57	19.448	19.448	0.0	80	919914	10.9	
	81 m-Xylene & p-Xylene	106	19.592	19.592	0.0	99	2026643	22.1	
S	82 Xylenes, Total	106				0		33.0	
	83 o-Xylene	106	20.403	20.403	0.0	94	972244	10.9	
	84 Styrene	104	20.451	20.451	0.0	97	1500126	10.9	
	85 Bromoform	173	20.852	20.852	0.0	98	1209183	11.6	
	86 Isopropylbenzene	105	21.033	21.033	0.0	94	2814976	11.1	
$	87 4-Bromofluorobenzene	95	21.391	21.391	0.0	98	1430186	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.657	21.657	0.0	96	1345674	11.1	
	89 N-Propylbenzene	91	21.716	21.716	0.0	99	3302114	11.1	
	90 1,2,3-Trichloropropane	75	21.754	21.754	0.0	86	1023134	11.3	
	91 n-Decane	57	21.866	21.866	0.0	77	1146312	11.6	

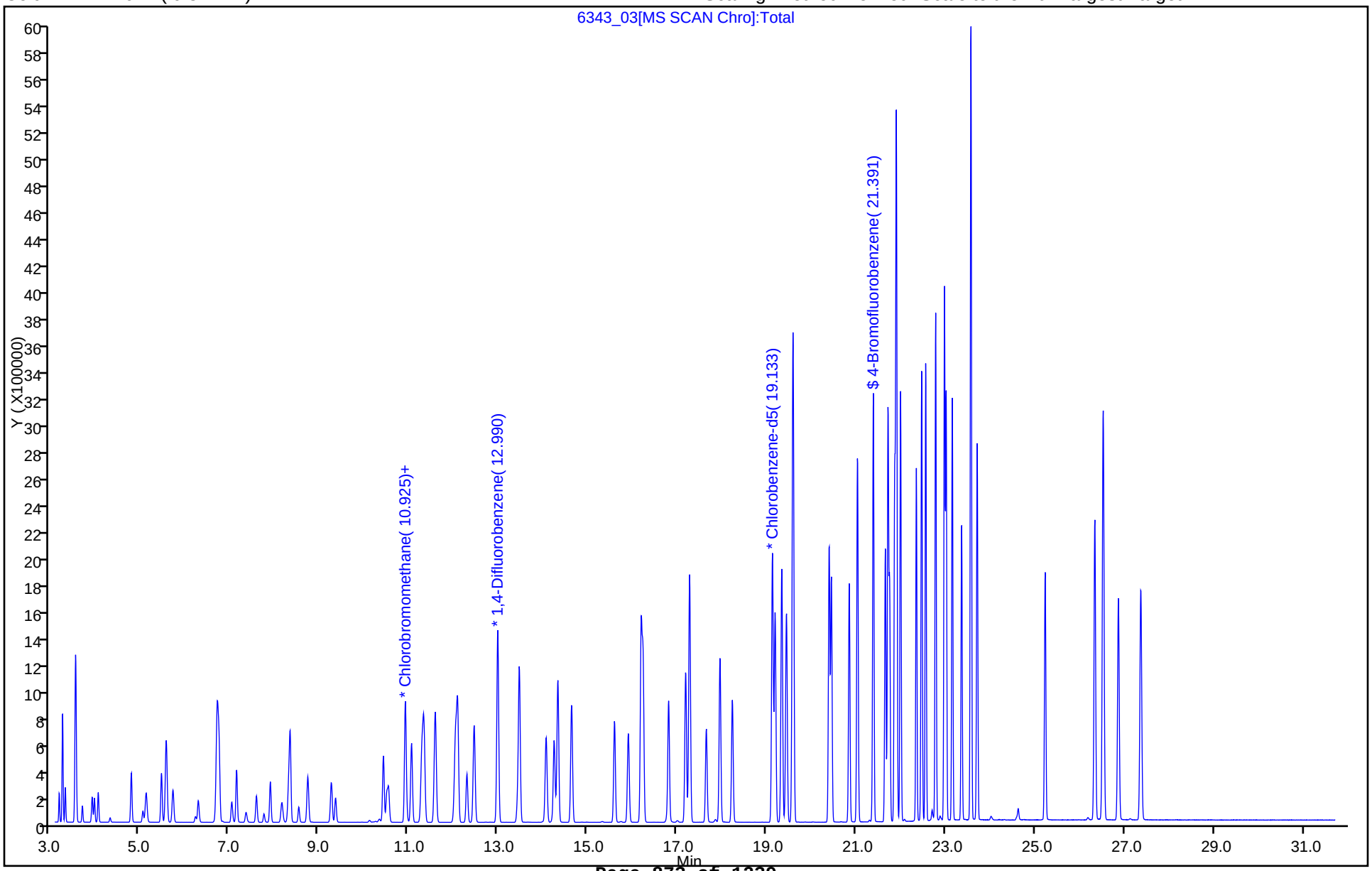
Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
92 4-Ethyltoluene	105	21.898	21.898	0.0	95	2962404	11.5
93 2-Chlorotoluene	91	21.908	21.908	0.0	96	2298142	11.5
94 1,3,5-Trimethylbenzene	105	21.999	21.999	0.0	93	2376040	11.0
95 Alpha Methyl Styrene	118	22.351	22.351	0.0	90	1077805	9.52
96 tert-Butylbenzene	119	22.469	22.469	0.0	90	2329060	11.0
97 1,2,4-Trimethylbenzene	105	22.559	22.559	0.0	96	2389630	11.2
98 sec-Butylbenzene	105	22.784	22.784	0.0	99	3431747	11.0
99 4-Isopropyltoluene	119	22.981	22.981	0.0	95	3009750	11.0
100 1,3-Dichlorobenzene	146	23.018	23.018	0.0	98	1781115	11.2
101 1,4-Dichlorobenzene	146	23.157	23.157	0.0	96	1773615	11.2
102 Benzyl chloride	91	23.365	23.365	0.0	99	2107757	11.2
103 n-Butylbenzene	91	23.568	23.568	0.0	97	2571396	11.6
104 Undecane	57	23.573	23.573	0.0	86	1188521	12.8
105 1,2-Dichlorobenzene	146	23.712	23.712	0.0	98	1651870	11.0
106 Dodecane	57	25.233	25.233	0.0	90	942889	10.8
107 1,2,4-Trichlorobenzene	180	26.343	26.343	0.0	93	1293507	12.2
108 Hexachlorobutadiene	225	26.530	26.530	0.0	95	1146122	11.4
109 Naphthalene	128	26.866	26.866	0.0	99	2422447	13.2
110 1,2,3-Trichlorobenzene	180	27.373	27.373	0.0	96	1096158	12.5

Report Date: 27-Feb-2014 12:51:56 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_03.D				
Injection Date:	26-Feb-2014 12:54:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	CCVIS	Lab Sample ID:	LCS 200-67417/3-A	Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: ICV 200-68619/16 Calibration Date: 02/21/2014 00:15

Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/20/2014 21:54

Lab File ID: 6246_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4525	0.3487		7.71	10.0	-22.9	30.0
Freon 12	Ave	3.137	2.832		9.02	10.0	-9.7	30.0
Freon 22	Ave	1.181	1.070		9.06	10.0	-9.4	30.0
Freon-114	Ave	2.687	2.698		10.0	10.0	0.4	30.0
Chloromethane	Ave	0.5956	0.5277		8.86	10.0	-11.4	30.0
n-Butane	Ave	0.7851	0.7055		8.98	10.0	-10.1	30.0
Vinyl chloride	Ave	0.8160	0.7063		8.65	10.0	-13.4	30.0
1,3-Butadiene	Ave	0.4758	0.4226		8.88	10.0	-11.2	30.0
Bromomethane	Ave	1.162	1.057		9.10	10.0	-9.0	30.0
Chloroethane	Ave	0.3240	0.2863		8.83	10.0	-11.6	30.0
Isopentane	Ave	0.5140	0.4803		9.34	10.0	-6.6	30.0
Vinyl bromide	Ave	1.261	1.177		9.33	10.0	-6.7	30.0
Freon 11	Ave	3.583	3.189		8.90	10.0	-11.0	30.0
n-Pentane	Ave	0.7954	0.8123		10.2	10.0	2.1	30.0
Ethanol	Ave	0.1910	0.1880		14.8	15.0	-1.6	30.0
Ethyl ether	Ave	0.4003	0.4104		10.3	10.0	2.5	30.0
Acrolein	Ave	0.1910	0.2116		11.1	10.0	10.8	30.0
Freon 113	Ave	2.249	2.074		9.22	10.0	-7.8	30.0
1,1-Dichloroethene	Ave	0.9520	0.8613		9.05	10.0	-9.5	30.0
Acetone	Ave	0.8787	0.9817		11.2	10.0	11.7	30.0
Carbon disulfide	Ave	2.332	2.458		10.5	10.0	5.4	30.0
Isopropyl alcohol	Ave	0.7090	0.5444		7.68	10.0	-23.2	30.0
Allyl chloride	Ave	0.6290	0.5558		8.84	10.0	-11.6	30.0
Acetonitrile	Ave	0.3383	0.3195		9.44	10.0	-5.6	30.0
Methylene Chloride	Ave	0.7069	0.6456		9.13	10.0	-8.7	30.0
tert-Butyl alcohol	Ave	1.260	1.031		8.18	10.0	-18.2	30.0
Methyl tert-butyl ether	Ave	2.237	2.112		9.44	10.0	-5.6	30.0
trans-1,2-Dichloroethene	Ave	1.039	1.017		9.79	10.0	-2.1	30.0
Acrylonitrile	Ave	0.3820	0.3784		9.91	10.0	-0.9	30.0
Hexane	Ave	0.8392	0.8345		9.94	10.0	-0.6	30.0
1,1-Dichloroethane	Ave	1.522	1.383		9.09	10.0	-9.1	30.0
Vinyl acetate	Ave	1.472	1.369		9.29	10.0	-7.0	30.0
cis-1,2-Dichloroethene	Ave	1.290	1.187		9.20	10.0	-7.9	30.0
Methyl Ethyl Ketone	Ave	0.4361	0.4007		9.19	10.0	-8.1	30.0
Ethyl acetate	Ave	0.0661	0.0690		10.4	10.0	4.4	30.0
Tetrahydrofuran	Ave	0.1189	0.1107		9.31	10.0	-6.9	30.0
Chloroform	Ave	2.859	2.633		9.21	10.0	-7.9	30.0
Cyclohexane	Ave	0.2496	0.2335		9.35	10.0	-6.4	30.0
1,1,1-Trichloroethane	Ave	0.5905	0.5364		9.08	10.0	-9.2	30.0
Carbon tetrachloride	Ave	0.7528	0.6727		8.93	10.0	-10.6	30.0
Benzene	Ave	0.6673	0.6081		9.11	10.0	-8.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: ICV 200-68619/16 Calibration Date: 02/21/2014 00:15

Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/20/2014 21:54

Lab File ID: 6246_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7963	0.7291		9.16	10.0	-8.4	30.0
1,2-Dichloroethane	Ave	0.3331	0.3019		9.06	10.0	-9.4	30.0
Heptane	Ave	0.2959	0.2565		8.67	10.0	-13.3	30.0
n-Butanol	Ave	0.1142	0.0892		7.81	10.0	-21.9	30.0
Trichloroethene	Ave	0.4731	0.4219		8.92	10.0	-10.8	30.0
1,2-Dichloropropane	Ave	0.3124	0.2871		9.19	10.0	-8.1	30.0
Methyl methacrylate	Ave	0.2717	0.2678		9.85	10.0	-1.4	30.0
1,4-Dioxane	Ave	0.1470	0.1201		8.17	10.0	-18.3	30.0
Dibromomethane	Ave	0.5283	0.5125		9.70	10.0	-3.0	30.0
Bromodichloromethane	Ave	0.7799	0.7322		9.39	10.0	-6.1	30.0
cis-1,3-Dichloropropene	Ave	0.5310	0.5080		9.56	10.0	-4.3	30.0
methyl isobutyl ketone	Ave	0.4887	0.4450		9.10	10.0	-8.9	30.0
Toluene	Ave	0.7326	0.6835		9.33	10.0	-6.7	30.0
n-Octane	Ave	0.5119	0.4629		9.04	10.0	-9.6	30.0
trans-1,3-Dichloropropene	Ave	0.5408	0.5257		9.72	10.0	-2.8	30.0
1,1,2-Trichloroethane	Ave	0.3670	0.3407		9.28	10.0	-7.2	30.0
Tetrachloroethene	Ave	0.7873	0.7370		9.36	10.0	-6.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4387	0.4103		9.35	10.0	-6.5	30.0
Dibromochloromethane	Ave	0.9470	0.9071		9.58	10.0	-4.2	30.0
1,2-Dibromoethane	Ave	0.7388	0.7160		9.69	10.0	-3.1	30.0
Chlorobenzene	Ave	1.063	1.009		9.49	10.0	-5.1	30.0
Ethylbenzene	Ave	1.522	1.428		9.38	10.0	-6.1	30.0
n-Nonane	Ave	0.5414	0.4966		9.17	10.0	-8.3	30.0
m,p-Xylene	Ave	0.6221	0.5836		18.8	20.0	-6.2	30.0
Xylene, o-	Ave	0.6494	0.6018		9.27	10.0	-7.3	30.0
Styrene	Ave	0.8646	0.8611		9.96	10.0	-0.4	30.0
Bromoform	Ave	0.8956	0.9031		10.1	10.0	0.8	30.0
Cumene	Ave	1.788	1.662		9.29	10.0	-7.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8834	0.8315		9.41	10.0	-5.9	30.0
1,2,3-Trichloropropane	Ave	0.5852	0.5463		9.33	10.0	-6.6	30.0
n-Propylbenzene	Ave	1.845	1.730		9.37	10.0	-6.3	30.0
2-Chlorotoluene	Ave	1.248	1.144		9.17	10.0	-8.3	30.0
4-Ethyltoluene	Ave	1.502	1.446		9.63	10.0	-3.7	30.0
n-Decane	Ave	0.5512	0.5047		9.16	10.0	-8.4	30.0
1,3,5-Trimethylbenzene	Ave	1.484	1.368		9.21	10.0	-7.9	30.0
Alpha Methyl Styrene	Ave	0.6800	0.6957		10.2	10.0	2.3	30.0
tert-Butylbenzene	Ave	1.507	1.375		9.12	10.0	-8.8	30.0
1,2,4-Trimethylbenzene	Ave	1.437	1.348		9.38	10.0	-6.2	30.0
sec-Butylbenzene	Ave	2.095	1.951		9.31	10.0	-6.9	30.0
4-Isopropyltoluene	Ave	1.741	1.653		9.49	10.0	-5.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: ICV 200-68619/16 Calibration Date: 02/21/2014 00:15

Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/20/2014 21:54

Lab File ID: 6246_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.8925	0.9059		10.1	10.0	1.5	30.0
1,4-Dichlorobenzene	Ave	0.8666	0.8893		10.3	10.0	2.6	30.0
Benzyl chloride	Ave	0.9186	0.8799		9.58	10.0	-4.2	30.0
n-Butylbenzene	Ave	1.370	1.314		9.59	10.0	-4.1	30.0
n-Undecane	Ave	0.6424	0.6299		9.80	10.0	-1.9	30.0
1,2-Dichlorobenzene	Ave	0.9899	0.9353		9.45	10.0	-5.5	30.0
n-Dodecane	Ave	0.1008	0.1056		10.5	10.0	4.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5281	0.4961		9.39	10.0	-6.1	30.0
Hexachloro-1,3-butadiene	Ave	0.4459	0.4985		11.2	10.0	11.8	30.0
Naphthalene	Ave	1.259	1.141		9.06	10.0	-9.4	30.0
1,2,3-Trichlorobenzene	Ave	0.4340	0.4716		10.9	10.0	8.7	30.0

Report Date: 25-Feb-2014 11:44:54 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_016.D
Lims ID: ICV Lab Sample ID: ICV 200-68621/16-A
Client ID:
Sample Type: ICV
Inject. Date: 21-Feb-2014 00:15:30 ALS Bottle#: 1 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-016
Misc. Info.: ICV
Operator ID: bl Instrument ID: CHG.i
Sublist:

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:44:41 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: daiglep Date: 21-Feb-2014 12:08:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	97	255567	7.71	
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	99	2075073	9.02	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	94	784285	9.06	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	93	1976852	10.0	
8 Chloromethane	50	3.539	3.539	0.0	99	386743	8.86	
9 Butane	43	3.758	3.759	-0.001	97	516993	8.98	
10 Vinyl chloride	62	3.796	3.796	0.0	97	517590	8.65	
11 Butadiene	54	3.881	3.882	-0.001	92	309695	8.88	
12 Bromomethane	94	4.577	4.577	0.0	99	774719	9.10	
14 Chloroethane	64	4.828	4.828	0.0	99	209799	8.83	
15 2-Methylbutane	43	4.925	4.925	0.0	88	351968	9.34	
16 Vinyl bromide	106	5.230	5.235	-0.005	97	862776	9.33	
17 Trichlorofluoromethane	101	5.353	5.353	0.0	98	2337018	8.90	
18 Pentane	43	5.508	5.508	0.0	95	595302	10.2	
13 BFB								
19 Ethanol	45	5.920	5.925	-0.005	96	206786	14.8	
21 Ethyl ether	59	6.043	6.043	0.0	96	300770	10.3	
22 Acrolein	56	6.406	6.407	-0.001	96	155063	11.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	95	1519863	9.22	
24 1,1-Dichloroethene	96	6.503	6.503	0.0	92	631204	9.05	
25 Acetone	43	6.722	6.722	0.0	87	719442	11.2	
26 Carbon disulfide	76	6.883	6.888	-0.005	98	1801672	10.5	
27 Isopropyl alcohol	45	7.043	7.038	0.005	98	398934	7.68	
29 3-Chloro-1-propene	41	7.305	7.305	0.0	83	407341	8.84	
30 Acetonitrile	41	7.402	7.402	0.0	98	234152	9.44	
31 Methylene Chloride	49	7.599	7.600	-0.001	80	473134	9.13	
32 2-Methyl-2-propanol	59	7.835	7.840	-0.005	98	755329	8.18	
33 Methyl tert-butyl ether	73	8.038	8.044	-0.006	94	1547573	9.44	
34 trans-1,2-Dichloroethene	61	8.065	8.060	0.005	87	745271	9.79	
35 Acrylonitrile	53	8.183	8.188	-0.005	95	277331	9.91	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	36 Hexane	57	8.488	8.493	-0.005	90	611563	9.94	
	37 1,1-Dichloroethane	63	8.948	8.948	0.0	99	1013846	9.09	
	38 Vinyl acetate	43	9.044	9.044	0.0	99	1003110	9.29	
	39 cis-1,2-Dichloroethene	96	10.087	10.093	-0.006	91	870030	9.20	
	40 2-Butanone (MEK)	72	10.135	10.141	-0.006	97	293661	9.19	
S	41 1,2-Dichloroethene, Total	61				0		19.0	
	42 Ethyl acetate	88	10.210	10.216	-0.006	98	50533	10.4	
*	43 Chlorobromomethane	128	10.563	10.563	0.0	67	732981	10.0	
	44 Tetrahydrofuran	42	10.574	10.579	-0.005	81	466958	9.31	
	45 Chloroform	83	10.708	10.708	0.0	99	1929788	9.21	
	46 Cyclohexane	84	10.991	10.997	-0.006	82	984794	9.35	
	47 1,1,1-Trichloroethane	97	11.007	11.007	0.0	95	2261833	9.08	
	48 Carbon tetrachloride	117	11.275	11.275	0.0	96	2836858	8.93	
	50 Benzene	78	11.740	11.746	-0.006	94	2564262	9.11	
	51 Isooctane	57	11.762	11.767	-0.005	98	3074788	9.16	
	52 1,2-Dichloroethane	62	11.911	11.917	-0.006	99	1272956	9.06	
	53 n-Heptane	43	12.173	12.179	-0.006	86	1081628	8.67	
*	54 1,4-Difluorobenzene	114	12.623	12.628	-0.005	91	4217854	10.0	
	55 n-Butanol	56	13.019	13.019	0.0	84	376211	7.81	
	56 Trichloroethene	95	13.115	13.115	0.0	93	1779082	8.92	
A	57 GRO	1	13.297	4.915 -	21.679	0	408242334	0	
	58 1,2-Dichloropropane	63	13.682	13.682	0.0	92	1210817	9.19	
	59 Methyl methacrylate	69	13.885	13.886	-0.001	79	1129112	9.85	
	60 1,4-Dioxane	88	13.917	13.918	-0.001	84	506523	8.17	
	61 Dibromomethane	174	13.939	13.939	0.0	95	2161143	9.70	
	62 Dichlorobromomethane	83	14.249	14.249	0.0	97	3087736	9.39	
A	63 TVOC as Toluene	1	15.022	3.048 -	26.997	0	643855892	2083.7	
	64 cis-1,3-Dichloropropene	75	15.233	15.234	-0.001	87	2142041	9.56	
	65 4-Methyl-2-pentanone (MIBK)	43	15.533	15.533	0.0	92	1876621	9.10	
	66 Toluene	92	15.854	15.854	0.0	93	2964097	9.33	
	69 n-Octane	43	15.961	15.967	-0.006	85	1951903	9.04	
	70 trans-1,3-Dichloropropene	75	16.443	16.443	-0.001	92	2217038	9.72	
	71 1,1,2-Trichloroethane	83	16.817	16.817	0.0	95	1477548	9.28	
	72 Tetrachloroethene	166	16.967	16.967	0.0	97	3196386	9.36	
	73 2-Hexanone	43	17.288	17.288	0.0	93	1779435	9.35	
	74 Chlorodibromomethane	129	17.587	17.588	-0.001	97	3933948	9.58	
	75 Ethylene Dibromide	107	17.866	17.866	0.0	99	3105140	9.69	
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	81	4337814	10.0	
	77 Chlorobenzene	112	18.850	18.850	0.0	99	4375153	9.49	
	78 Ethylbenzene	91	19.016	19.016	0.0	96	6194924	9.38	
	79 n-Nonane	57	19.182	19.182	0.0	82	2153598	9.17	
	80 m-Xylene & p-Xylene	106	19.273	19.273	-0.001	99	5062416	18.8	
S	82 Xylenes, Total	106				0		28.0	
	83 o-Xylene	106	20.102	20.102	0.0	95	2609956	9.27	
	84 Styrene	104	20.145	20.145	-0.001	98	3734422	9.96	
	85 Bromoform	173	20.530	20.530	0.0	98	3916689	10.1	
	86 Isopropylbenzene	105	20.765	20.765	0.0	94	7208268	9.29	
$	87 4-Bromofluorobenzene	95	21.107	21.108	-0.001	98	2512338	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.364	21.364	0.0	97	3606117	9.41	
	89 1,2,3-Trichloropropane	75	21.461	21.461	0.0	95	2369426	9.33	
	90 N-Propylbenzene	91	21.471	21.471	0.0	99	7501779	9.37	
	91 4-Ethyltoluene	105	21.653	21.653	0.0	90	6270879	9.63	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
92 2-Chlorotoluene	91	21.653	21.653	0.0	87	4963156	9.17
93 n-Decane	57	21.669	21.669	0.0	82	2189048	9.16
94 1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	93	5931804	9.21
95 Alpha Methyl Styrene	118	22.113	22.113	0.0	90	3017284	10.2
96 tert-Butylbenzene	119	22.242	22.242	0.0	91	5962376	9.12
97 1,2,4-Trimethylbenzene	105	22.333	22.333	0.0	95	5844479	9.38
98 sec-Butylbenzene	105	22.563	22.563	0.0	99	8462949	9.31
99 4-Isopropyltoluene	119	22.761	22.761	-0.001	95	7167964	9.49
100 1,3-Dichlorobenzene	146	22.777	22.777	0.0	98	3928839	10.1
101 1,4-Dichlorobenzene	146	22.910	22.910	0.0	97	3856748	10.3
102 Benzyl chloride	91	23.103	23.103	0.0	100	3816202	9.58
103 n-Butylbenzene	91	23.338	23.338	0.0	90	5699774	9.59
104 Undecane	57	23.381	23.381	0.0	90	2731674	9.80
105 1,2-Dichlorobenzene	146	23.451	23.451	0.0	99	4056512	9.45
106 Dodecane	57	25.007	25.008	-0.001	92	458155	10.5
107 1,2,4-Trichlorobenzene	180	26.013	26.013	0.0	94	2151487	9.39
108 Hexachlorobutadiene	225	26.227	26.227	0.0	93	2161967	11.2
109 Naphthalene	128	26.505	26.500	0.005	99	4949802	9.06
110 1,2,3-Trichlorobenzene	180	26.987	26.987	0.0	96	2045203	10.9

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

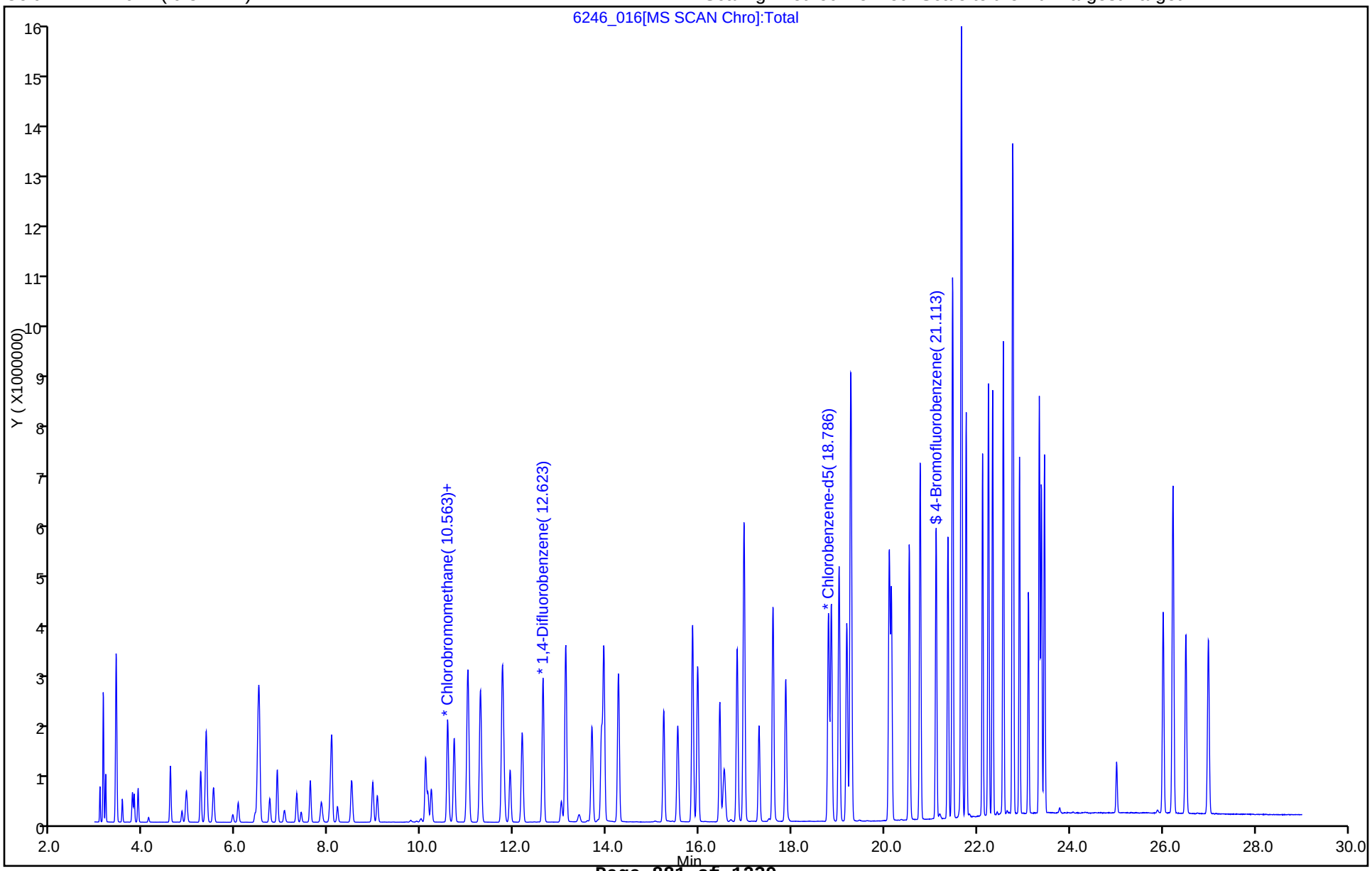
Report Date: 25-Feb-2014 11:44:54 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_016.D

Injection Date:	21-Feb-2014 00:15:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	ICV	Lab Sample ID:	ICV 200-68621/16-A	Worklist Smp#:	16
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: CCVIS 200-68811/2 Calibration Date: 02/25/2014 12:49

Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/20/2014 21:54

Lab File ID: 6318_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4525	0.4373		10.7	10.0	-3.4	30.0
Freon 12	Ave	3.137	3.323		10.6	10.0	5.9	30.0
Freon 22	Ave	1.181	1.271		10.8	10.0	7.6	30.0
Freon-114	Ave	2.687	2.816		10.5	10.0	4.8	30.0
Chloromethane	Ave	0.5956	0.6410		10.8	10.0	7.6	30.0
n-Butane	Ave	0.7851	0.8523		10.9	10.0	8.6	30.0
Vinyl chloride	Ave	0.8160	0.8366		10.3	10.0	2.5	30.0
1,3-Butadiene	Ave	0.4758	0.5102		10.7	10.0	7.2	30.0
Bromomethane	Ave	1.162	1.208		10.4	10.0	4.0	30.0
Chloroethane	Ave	0.3240	0.3379		10.4	10.0	4.3	30.0
Isopentane	Ave	0.5140	0.5283		10.3	10.0	2.8	30.0
Vinyl bromide	Ave	1.261	1.327		10.5	10.0	5.2	30.0
Freon 11	Ave	3.583	3.637		10.1	10.0	1.5	30.0
n-Pentane	Ave	0.7954	0.8766		11.0	10.0	10.2	30.0
Ethanol	Ave	0.1910	0.2019		15.9	15.0	5.7	30.0
Ethyl ether	Ave	0.4003	0.4327		10.8	10.0	8.1	30.0
Acrolein	Ave	0.1910	0.2086		10.9	10.0	9.2	30.0
Freon 113	Ave	2.249	2.332		10.4	10.0	3.7	30.0
1,1-Dichloroethene	Ave	0.9520	0.9783		10.3	10.0	2.8	30.0
Acetone	Ave	0.8787	0.9238		10.5	10.0	5.1	30.0
Carbon disulfide	Ave	2.332	2.463		10.6	10.0	5.6	30.0
Isopropyl alcohol	Ave	0.7090	0.7816		11.0	10.0	10.2	30.0
Allyl chloride	Ave	0.6290	0.6750		10.7	10.0	7.3	30.0
Acetonitrile	Ave	0.3383	0.3796		11.2	10.0	12.2	30.0
Methylene Chloride	Ave	0.7069	0.7472		10.6	10.0	5.7	30.0
tert-Butyl alcohol	Ave	1.260	1.378		10.9	10.0	9.4	30.0
Methyl tert-butyl ether	Ave	2.237	2.385		10.7	10.0	6.6	30.0
trans-1,2-Dichloroethene	Ave	1.039	1.118		10.8	10.0	7.6	30.0
Acrylonitrile	Ave	0.3820	0.4076		10.7	10.0	6.7	30.0
Hexane	Ave	0.8392	0.8982		10.7	10.0	7.0	30.0
1,1-Dichloroethane	Ave	1.522	1.576		10.7	10.0	3.6	30.0
Vinyl acetate	Ave	1.472	1.630		11.1	10.0	10.7	30.0
cis-1,2-Dichloroethene	Ave	1.290	1.359		10.5	10.0	5.4	30.0
Methyl Ethyl Ketone	Ave	0.4361	0.4448		10.2	10.0	2.0	30.0
Ethyl acetate	Ave	0.0661	0.0722		10.9	10.0	9.3	30.0
Tetrahydrofuran	Ave	0.1189	0.1280		10.8	10.0	7.7	30.0
Chloroform	Ave	2.859	2.974		10.4	10.0	4.0	30.0
Cyclohexane	Ave	0.2496	0.2592		10.4	10.0	3.8	30.0
1,1,1-Trichloroethane	Ave	0.5905	0.5968		10.1	10.0	1.1	30.0
Carbon tetrachloride	Ave	0.7528	0.7474		9.93	10.0	-0.7	30.0
Benzene	Ave	0.6673	0.6869		10.3	10.0	2.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: CCVIS 200-68811/2 Calibration Date: 02/25/2014 12:49

Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/20/2014 21:54

Lab File ID: 6318_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7963	0.8350		10.5	10.0	4.9	30.0
1,2-Dichloroethane	Ave	0.3331	0.3405		10.2	10.0	2.2	30.0
Heptane	Ave	0.2959	0.2954		9.98	10.0	-0.2	30.0
n-Butanol	Ave	0.1142	0.1227		10.7	10.0	7.5	30.0
Trichloroethene	Ave	0.4731	0.4683		9.90	10.0	-1.0	30.0
1,2-Dichloropropane	Ave	0.3124	0.3304		10.5	10.0	5.7	30.0
Methyl methacrylate	Ave	0.2717	0.2935		10.8	10.0	8.0	30.0
1,4-Dioxane	Ave	0.1470	0.1654		11.2	10.0	12.5	30.0
Dibromomethane	Ave	0.5283	0.5563		10.5	10.0	5.3	30.0
Bromodichloromethane	Ave	0.7799	0.8312		10.7	10.0	6.6	30.0
cis-1,3-Dichloropropene	Ave	0.5310	0.5693		10.7	10.0	7.2	30.0
methyl isobutyl ketone	Ave	0.4887	0.5266		10.8	10.0	7.7	30.0
Toluene	Ave	0.7326	0.7494		10.2	10.0	2.3	30.0
n-Octane	Ave	0.5119	0.5316		10.4	10.0	3.9	30.0
trans-1,3-Dichloropropene	Ave	0.5408	0.5748		10.6	10.0	6.3	30.0
1,1,2-Trichloroethane	Ave	0.3670	0.3776		10.3	10.0	2.9	30.0
Tetrachloroethene	Ave	0.7873	0.7883		10.0	10.0	0.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4387	0.4850		11.1	10.0	10.6	30.0
Dibromochloromethane	Ave	0.9470	1.027		10.8	10.0	8.5	30.0
1,2-Dibromoethane	Ave	0.7388	0.7815		10.6	10.0	5.8	30.0
Chlorobenzene	Ave	1.063	1.105		10.4	10.0	3.9	30.0
Ethylbenzene	Ave	1.522	1.567		10.3	10.0	3.0	30.0
n-Nonane	Ave	0.5414	0.5561		10.3	10.0	2.7	30.0
m,p-Xylene	Ave	0.6221	0.6410		20.6	20.0	3.0	30.0
Xylene, o-	Ave	0.6494	0.6739		10.4	10.0	3.8	30.0
Styrene	Ave	0.8646	0.9486		11.0	10.0	9.7	30.0
Bromoform	Ave	0.8956	1.008		11.2	10.0	12.5	30.0
Cumene	Ave	1.788	1.862		10.4	10.0	4.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8834	0.9155		10.4	10.0	3.6	30.0
1,2,3-Trichloropropane	Ave	0.5852	0.6123		10.5	10.0	4.6	30.0
n-Propylbenzene	Ave	1.845	1.938		10.5	10.0	5.0	30.0
2-Chlorotoluene	Ave	1.248	1.275		10.2	10.0	2.2	30.0
4-Ethyltoluene	Ave	1.502	1.585		10.6	10.0	5.6	30.0
n-Decane	Ave	0.5512	0.5717		10.4	10.0	3.7	30.0
1,3,5-Trimethylbenzene	Ave	1.484	1.544		10.4	10.0	4.0	30.0
Alpha Methyl Styrene	Ave	0.6800	0.7806		11.5	10.0	14.8	30.0
tert-Butylbenzene	Ave	1.507	1.540		10.2	10.0	2.2	30.0
1,2,4-Trimethylbenzene	Ave	1.437	1.508		10.5	10.0	5.0	30.0
sec-Butylbenzene	Ave	2.095	2.206		10.5	10.0	5.3	30.0
4-Isopropyltoluene	Ave	1.741	1.859		10.7	10.0	6.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: CCVIS 200-68811/2 Calibration Date: 02/25/2014 12:49

Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/20/2014 21:54

Lab File ID: 6318_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.8925	0.9880		11.1	10.0	10.7	30.0
1,4-Dichlorobenzene	Ave	0.8666	0.9680		11.2	10.0	11.7	30.0
Benzyl chloride	Ave	0.9186	1.047		11.4	10.0	14.0	30.0
n-Butylbenzene	Ave	1.370	1.494		10.9	10.0	9.0	30.0
n-Undecane	Ave	0.6424	0.7155		11.1	10.0	11.4	30.0
1,2-Dichlorobenzene	Ave	0.9899	1.023		10.9	10.0	3.3	30.0
n-Dodecane	Ave	0.1008	0.1390		13.8	10.0	37.9*	30.0
1,2,4-Trichlorobenzene	Ave	0.5281	0.5539		10.5	10.0	4.9	30.0
Hexachloro-1,3-butadiene	Ave	0.4459	0.6008		13.5	10.0	34.7*	30.0
Naphthalene	Ave	1.259	1.319		10.5	10.0	4.8	30.0
1,2,3-Trichlorobenzene	Ave	0.4340	0.5749		13.2	10.0	32.5*	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_002.D
Lims ID: CCVIS Lab Sample ID:
Client ID:
Sample Type: CCVIS
Inject. Date: 25-Feb-2014 12:49:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006318-002
Misc. Info.: CCVIS
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub4

Method: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 26-Feb-2014 11:33:22 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: lyonsb Date: 25-Feb-2014 13:43:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	97	307926	10.7	
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	99	2339730	10.6	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	94	895074	10.8	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	89	1982690	10.5	
8 Chloromethane	50	3.539	3.539	0.0	99	451338	10.8	
9 Butane	43	3.758	3.758	0.0	97	600119	10.9	
10 Vinyl chloride	62	3.796	3.796	0.0	96	589023	10.3	
11 Butadiene	54	3.881	3.881	0.0	92	359253	10.7	
12 Bromomethane	94	4.577	4.577	0.0	99	850529	10.4	
13 BFB								
14 Chloroethane	64	4.828	4.828	0.0	100	237887	10.4	
15 2-Methylbutane	43	4.925	4.925	0.0	86	372002	10.3	
16 Vinyl bromide	106	5.230	5.230	0.0	98	934680	10.5	
17 Trichlorofluoromethane	101	5.353	5.353	0.0	98	2560587	10.1	
18 Pentane	43	5.508	5.508	0.0	95	617201	11.0	
19 Ethanol	45	5.925	5.925	0.0	96	213336	15.9	
21 Ethyl ether	59	6.037	6.037	0.0	94	304640	10.8	
22 Acrolein	56	6.401	6.401	0.0	96	146879	10.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	95	1642026	10.4	
24 1,1-Dichloroethene	96	6.497	6.497	0.0	93	688813	10.3	
25 Acetone	43	6.722	6.722	0.0	86	650423	10.5	
26 Carbon disulfide	76	6.888	6.888	0.0	98	1734307	10.6	
27 Isopropyl alcohol	45	7.038	7.038	0.0	98	550298	11.0	
29 3-Chloro-1-propene	41	7.305	7.305	0.0	83	475259	10.7	
30 Acetonitrile	41	7.396	7.396	0.0	99	267300	11.2	
31 Methylene Chloride	49	7.599	7.599	0.0	80	526130	10.6	
32 2-Methyl-2-propanol	59	7.840	7.840	0.0	98	970288	10.9	
33 Methyl tert-butyl ether	73	8.038	8.038	0.0	94	1679404	10.7	
34 trans-1,2-Dichloroethene	61	8.065	8.065	0.0	87	787067	10.8	
35 Acrylonitrile	53	8.183	8.183	0.0	93	286991	10.7	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	36 Hexane	57	8.493	8.493	0.0	90	632418	10.7	
	37 1,1-Dichloroethane	63	8.948	8.948	0.0	99	1109919	10.7	
	38 Vinyl acetate	43	9.044	9.044	0.0	99	1147345	11.1	
	39 cis-1,2-Dichloroethene	96	10.087	10.087	0.0	92	956883	10.5	
	40 2-Butanone (MEK)	72	10.135	10.135	0.0	97	313182	10.2	
S	41 1,2-Dichloroethene, Total	61				0		21.3	
	42 Ethyl acetate	88	10.210	10.210	0.0	99	50863	10.9	
*	43 Chlorobromomethane	128	10.558	10.558	0.0	68	704232	10.0	
	44 Tetrahydrofuran	42	10.579	10.579	0.0	82	521083	10.8	
	45 Chloroform	83	10.702	10.702	0.0	99	2093838	10.4	
	46 Cyclohexane	84	10.991	10.991	0.0	89	1054681	10.4	
	47 1,1,1-Trichloroethane	97	11.007	11.007	0.0	95	2428568	10.1	
	48 Carbon tetrachloride	117	11.269	11.269	0.0	97	3041732	9.93	
	50 Benzene	78	11.740	11.740	0.0	94	2795259	10.3	
	51 Isooctane	57	11.761	11.761	0.0	98	3398255	10.5	
	52 1,2-Dichloroethane	62	11.911	11.911	0.0	99	1385851	10.2	
	53 n-Heptane	43	12.173	12.173	0.0	85	1202232	9.98	
*	54 1,4-Difluorobenzene	114	12.623	12.623	0.0	91	4070343	10.0	
	55 n-Butanol	56	13.019	13.019	0.0	84	499481	10.7	
	56 Trichloroethene	95	13.115	13.115	0.0	94	1905789	9.90	
A	57 GRO	1	13.297	4.915 - 21.679		0	445778784	0	
	58 1,2-Dichloropropane	63	13.682	13.682	0.0	92	1344482	10.5	
	59 Methyl methacrylate	69	13.880	13.880	0.0	80	1194384	10.8	
	60 1,4-Dioxane	88	13.917	13.917	0.0	85	672907	11.2	
	61 Dibromomethane	174	13.939	13.939	0.0	94	2263893	10.5	
	62 Dichlorobromomethane	83	14.249	14.249	0.0	98	3382446	10.7	
A	63 TVOC as Toluene	1	15.025	3.048 - 27.002		0	705525267	2366.0	
	64 cis-1,3-Dichloropropene	75	15.228	15.228	0.0	87	2316578	10.7	
	65 4-Methyl-2-pentanone (MIBK)	43	15.533	15.533	0.0	93	2142842	10.8	
	66 Toluene	92	15.854	15.854	0.0	94	3139816	10.2	
	69 n-Octane	43	15.961	15.961	0.0	86	2163470	10.4	
	70 trans-1,3-Dichloropropene	75	16.442	16.442	0.0	93	2339082	10.6	
	71 1,1,2-Trichloroethane	83	16.812	16.812	0.0	95	1582102	10.3	
	72 Tetrachloroethene	166	16.967	16.967	0.0	97	3303113	10.0	
	73 2-Hexanone	43	17.288	17.288	0.0	92	2032203	11.1	
	74 Chlorodibromomethane	129	17.587	17.587	0.0	97	4304522	10.8	
	75 Ethylene Dibromide	107	17.866	17.866	0.0	99	3274403	10.6	
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	80	4190829	10.0	
	77 Chlorobenzene	112	18.850	18.850	0.0	98	4628487	10.4	
	78 Ethylbenzene	91	19.016	19.016	0.0	96	6565137	10.3	
	79 n-Nonane	57	19.187	19.187	0.0	83	2329980	10.3	
	80 m-Xylene & p-Xylene	106	19.272	19.272	0.0	99	5371495	20.6	
S	82 Xylenes, Total	106				0		31.0	
	83 o-Xylene	106	20.102	20.102	0.0	95	2823740	10.4	
	84 Styrene	104	20.144	20.144	0.0	97	3974730	11.0	
	85 Bromoform	173	20.530	20.530	0.0	98	4222527	11.2	
	86 Isopropylbenzene	105	20.765	20.765	0.0	94	7803332	10.4	
$	87 4-Bromofluorobenzene	95	21.113	21.113	0.0	98	2459395	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.364	21.364	0.0	97	3835958	10.4	
	89 1,2,3-Trichloropropane	75	21.461	21.461	0.0	95	2565520	10.5	
	90 N-Propylbenzene	91	21.471	21.471	0.0	99	8121798	10.5	
	92 2-Chlorotoluene	91	21.653	21.653	0.0	89	5343994	10.2	

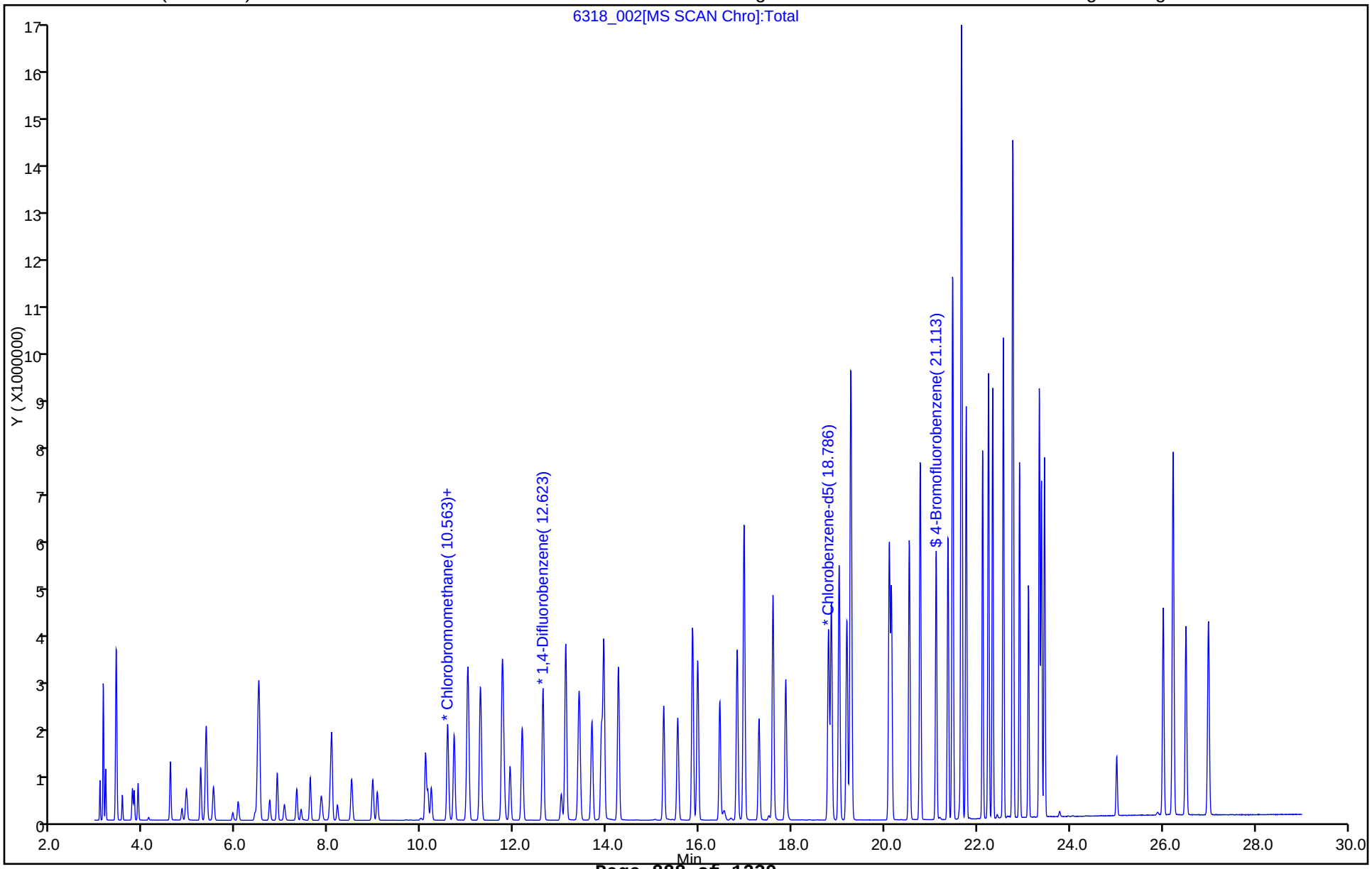
Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91	4-Ethyltoluene	105	21.653	21.653	0.0	89	6642330	10.6
93	n-Decane	57	21.669	21.669	0.0	83	2395408	10.4
94	1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	93	6468667	10.4
95	Alpha Methyl Styrene	118	22.113	22.113	0.0	91	3270700	11.5
96	tert-Butylbenzene	119	22.242	22.242	0.0	92	6453084	10.2
97	1,2,4-Trimethylbenzene	105	22.333	22.333	0.0	95	6320179	10.5
98	sec-Butylbenzene	105	22.563	22.563	0.0	99	9241664	10.5
99	4-Isopropyltoluene	119	22.760	22.760	0.0	94	7787920	10.7
100	1,3-Dichlorobenzene	146	22.777	22.777	0.0	98	4139611	11.1
101	1,4-Dichlorobenzene	146	22.910	22.910	0.0	96	4055733	11.2
102	Benzyl chloride	91	23.103	23.103	0.0	100	4386758	11.4
103	n-Butylbenzene	91	23.338	23.338	0.0	98	6259727	10.9
104	Undecane	57	23.386	23.386	0.0	91	2998120	11.1
105	1,2-Dichlorobenzene	146	23.451	23.451	0.0	99	4284816	10.9
106	Dodecane	57	25.007	25.007	0.0	92	582430	13.8
107	1,2,4-Trichlorobenzene	180	26.013	26.013	0.0	94	2321024	10.5
108	Hexachlorobutadiene	225	26.227	26.227	0.0	92	2517138	13.5
109	Naphthalene	128	26.505	26.505	0.0	99	5527052	10.5
110	1,2,3-Trichlorobenzene	180	26.992	26.992	0.0	96	2408789	13.2

Report Date: 26-Feb-2014 11:33:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_002.D				
Injection Date:	25-Feb-2014 12:49:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	CCVIS	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: ICV 200-68234/14 Calibration Date: 02/12/2014 03:20

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6101_014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6601	0.5218		7.90	10.0	-21.0	30.0
Freon 12	Ave	4.574	3.691		8.07	10.0	-19.3	30.0
Freon 22	Ave	1.733	1.395		8.05	10.0	-19.5	30.0
Freon-114	Ave	3.900	3.454		8.86	10.0	-11.4	30.0
Chloromethane	Ave	0.7873	0.6279		7.97	10.0	-20.2	30.0
n-Butane	Ave	1.276	1.082		8.48	10.0	-15.2	30.0
Vinyl chloride	Ave	1.133	0.8930		7.88	10.0	-21.2	30.0
1,3-Butadiene	Ave	0.6968	0.5928		8.50	10.0	-14.9	30.0
Bromomethane	Ave	1.171	0.9199		7.85	10.0	-21.5	30.0
Chloroethane	Ave	0.6027	0.4820		7.99	10.0	-20.0	30.0
Isopentane	Ave	0.9735	0.8689		8.92	10.0	-10.7	30.0
Vinyl bromide	Ave	1.561	1.305		8.36	10.0	-16.4	30.0
Freon 11	Ave	5.126	3.998		7.80	10.0	-22.0	30.0
n-Pentane	Ave	1.364	1.342		9.83	10.0	-1.7	30.0
Ethanol	Ave	0.2860	0.2399		12.6	15.0	-16.1	30.0
Ethyl ether	Ave	0.7138	0.7330		10.3	10.0	2.7	30.0
Acrolein	Ave	0.3000	0.3236		10.8	10.0	7.9	30.0
Freon 113	Ave	3.208	2.620		8.17	10.0	-18.3	30.0
1,1-Dichloroethene	Ave	1.382	1.206		8.72	10.0	-12.7	30.0
Acetone	Ave	1.452	1.422		9.79	10.0	-2.1	30.0
Carbon disulfide	Ave	3.183	3.074		9.66	10.0	-3.4	30.0
Isopropyl alcohol	Ave	1.217	0.9047		7.43	10.0	-25.6	30.0
Allyl chloride	Ave	0.9827	0.8690		8.84	10.0	-11.6	30.0
Acetonitrile	Ave	0.5322	0.4695		8.82	10.0	-11.8	30.0
Methylene Chloride	Ave	1.011	0.8440		8.35	10.0	-16.5	30.0
tert-Butyl alcohol	Ave	2.208	1.792		8.11	10.0	-18.8	30.0
Methyl tert-butyl ether	Ave	3.658	3.641		9.95	10.0	-0.5	30.0
trans-1,2-Dichloroethene	Ave	1.666	1.518		9.11	10.0	-8.9	30.0
Acrylonitrile	Ave	0.6196	0.5743		9.27	10.0	-7.3	30.0
Hexane	Ave	1.400	1.443		10.3	10.0	3.1	30.0
1,1-Dichloroethane	Ave	2.242	1.819		8.11	10.0	-18.9	30.0
Vinyl acetate	Ave	2.083	1.908		9.16	10.0	-8.4	30.0
cis-1,2-Dichloroethene	Ave	1.459	1.310		8.97	10.0	-10.3	30.0
Methyl Ethyl Ketone	Ave	0.6148	0.5454		8.87	10.0	-11.3	30.0
Ethyl acetate	Ave	0.1195	0.1135		9.49	10.0	-5.0	30.0
Tetrahydrofuran	Ave	0.1892	0.1677		8.86	10.0	-11.4	30.0
Chloroform	Ave	3.351	2.766		8.25	10.0	-17.5	30.0
Cyclohexane	Ave	0.3651	0.3510		9.61	10.0	-3.9	30.0
1,1,1-Trichloroethane	Ave	0.8347	0.6941		8.31	10.0	-16.8	30.0
Carbon tetrachloride	Ave	0.9534	0.7595		7.97	10.0	-20.3	30.0
2,2,4-Trimethylpentane	Ave	0.9724	0.9536		9.80	10.0	-1.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: ICV 200-68234/14 Calibration Date: 02/12/2014 03:20

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6101_014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.8714	0.7454		8.55	10.0	-14.5	30.0
1,2-Dichloroethane	Ave	0.4411	0.3729		8.45	10.0	-15.5	30.0
Heptane	Ave	0.3036	0.2983		9.82	10.0	-1.8	30.0
n-Butanol	Ave	0.1081	0.0899		8.31	10.0	-16.9	30.0
Trichloroethene	Ave	0.4486	0.3972		8.85	10.0	-11.5	30.0
1,2-Dichloropropane	Ave	0.2654	0.2271		8.55	10.0	-14.4	30.0
Methyl methacrylate	Ave	0.2752	0.2583		9.38	10.0	-6.1	30.0
1,4-Dioxane	Ave	0.1525	0.1186		7.77	10.0	-22.3	30.0
Dibromomethane	Ave	0.5502	0.4531		8.23	10.0	-17.6	30.0
Bromodichloromethane	Ave	0.7680	0.6447		8.39	10.0	-16.1	30.0
cis-1,3-Dichloropropene	Ave	0.4344	0.4270		9.83	10.0	-1.7	30.0
methyl isobutyl ketone	Ave	0.4254	0.3833		9.01	10.0	-9.9	30.0
n-Octane	Ave	0.4024	0.3953		9.82	10.0	-1.8	30.0
Toluene	Ave	0.7252	0.6585		9.08	10.0	-9.2	30.0
trans-1,3-Dichloropropene	Ave	0.4984	0.4749		9.52	10.0	-4.7	30.0
1,1,2-Trichloroethane	Ave	0.3616	0.3099		8.57	10.0	-14.3	30.0
Tetrachloroethene	Ave	0.9024	0.7795		8.64	10.0	-13.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4083	0.3819		9.35	10.0	-6.5	30.0
Dibromochloromethane	Ave	1.004	0.8568		8.53	10.0	-14.7	30.0
1,2-Dibromoethane	Ave	0.7336	0.6626		9.03	10.0	-9.7	30.0
Chlorobenzene	Ave	1.213	1.014		8.36	10.0	-16.4	30.0
Ethylbenzene	Ave	1.694	1.544		9.11	10.0	-8.9	30.0
n-Nonane	Ave	0.5654	0.5206		9.21	10.0	-7.9	30.0
m,p-Xylene	Ave	0.6834	0.6134		17.9	20.0	-10.2	30.0
Xylene, o-	Ave	0.6450	0.6220		9.64	10.0	-3.6	30.0
Styrene	Ave	0.9570	0.9354		9.77	10.0	-2.3	30.0
Bromoform	Ave	1.010	0.8961		8.87	10.0	-11.3	30.0
Cumene	Ave	1.983	1.978		9.97	10.0	-0.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9828	0.8466		8.61	10.0	-13.9	30.0
n-Propylbenzene	Ave	2.308	2.182		9.45	10.0	-5.5	30.0
1,2,3-Trichloropropane	Ave	0.7563	0.6505		8.60	10.0	-14.0	30.0
n-Decane	Ave	0.7915	0.7216		9.12	10.0	-8.8	30.0
4-Ethyltoluene	Ave	2.208	2.031		9.20	10.0	-8.0	30.0
2-Chlorotoluene	Ave	1.930	1.661		8.60	10.0	-13.9	30.0
1,3,5-Trimethylbenzene	Ave	2.043	1.801		8.81	10.0	-11.9	30.0
Alpha Methyl Styrene	Ave	0.8513	0.8874		10.4	10.0	4.2	30.0
tert-Butylbenzene	Ave	1.984	1.765		8.89	10.0	-11.0	30.0
1,2,4-Trimethylbenzene	Ave	1.950	1.764		9.05	10.0	-9.5	30.0
sec-Butylbenzene	Ave	2.687	2.399		8.93	10.0	-10.7	30.0
4-Isopropyltoluene	Ave	2.363	2.177		9.21	10.0	-7.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: ICV 200-68234/14 Calibration Date: 02/12/2014 03:20

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6101_014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.421	1.224		8.61	10.0	-13.8	30.0
1,4-Dichlorobenzene	Ave	1.323	1.191		9.01	10.0	-9.9	30.0
Benzyl chloride	Ave	1.188	1.091		9.18	10.0	-8.2	30.0
n-Undecane	Ave	0.8026	0.7231		9.01	10.0	-9.9	30.0
n-Butylbenzene	Ave	1.792	1.580		8.81	10.0	-11.8	30.0
1,2-Dichlorobenzene	Ave	1.383	1.196		8.64	10.0	-13.6	30.0
n-Dodecane	Ave	0.5251	0.4886		9.30	10.0	-7.0	30.0
1,2,4-Trichlorobenzene	Ave	0.7107	0.6320		8.89	10.0	-11.1	30.0
Hexachloro-1,3-butadiene	Ave	1.124	0.9086		8.08	10.0	-19.2	30.0
Naphthalene	Ave	1.386	1.258		9.08	10.0	-9.2	30.0
1,2,3-Trichlorobenzene	Ave	0.6622	0.5867		8.86	10.0	-11.4	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_014.d
Lims ID: ICV Lab Sample ID: ICV 200-68232/14-A
Client ID:
Sample Type: ICV
Inject. Date: 12-Feb-2014 03:20:30 ALS Bottle#: 9 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-014
Misc. Info.: ICV
Operator ID: PAD Instrument ID: CHW.i
Sublist:

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:52:24 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:34:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.383	4.383	0.0	97	300987	7.90	
2 Dichlorodifluoromethane	85	4.474	4.479	-0.005	99	2129367	8.07	
6 Chlorodifluoromethane	51	4.544	4.544	0.0	93	804517	8.05	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.833	4.832	0.0	92	1992453	8.86	
8 Chloromethane	50	5.025	5.025	0.0	99	362199	7.97	
9 Butane	43	5.287	5.287	0.0	95	624207	8.48	
10 Vinyl chloride	62	5.351	5.346	0.005	96	515110	7.88	
11 Butadiene	54	5.448	5.442	0.006	93	341925	8.50	
13 BFB								
12 Bromomethane	94	6.314	6.314	0.0	99	530623	7.85	
14 Chloroethane	64	6.603	6.598	0.005	99	278020	7.99	
15 2-Methylbutane	43	6.694	6.678	0.016	86	501192	8.92	
16 Vinyl bromide	106	7.079	7.079	0.0	96	752860	8.36	
17 Trichlorofluoromethane	101	7.197	7.192	0.005	98	2306138	7.80	
18 Pentane	43	7.363	7.357	0.006	93	773960	9.83	
19 Ethanol	45	7.802	7.796	0.006	99	207660	12.6	
21 Ethyl ether	59	7.946	7.941	0.005	91	422831	10.3	
22 Acrolein	56	8.406	8.406	0.0	96	186687	10.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.449	8.443	0.006	95	1511482	8.17	
24 1,1-Dichloroethene	96	8.518	8.518	0.0	94	695415	8.72	
25 Acetone	43	8.754	8.748	0.006	87	819994	9.79	
26 Carbon disulfide	76	9.005	9.000	0.005	98	1773118	9.66	
27 Isopropyl alcohol	45	9.037	9.032	0.005	88	521875	7.43	
29 3-Chloro-1-propene	41	9.407	9.406	0.0	82	501305	8.84	
30 Acetonitrile	41	9.540	9.535	0.005	98	270842	8.82	
31 Methylene Chloride	49	9.738	9.733	0.005	79	486857	8.35	
32 2-Methyl-2-propanol	59	9.904	9.904	0.0	99	1033548	8.11	
33 Methyl tert-butyl ether	73	10.166	10.161	0.005	94	2100076	9.95	
S 41 1,2-Dichloroethene, Total	61				0		18.1	
34 trans-1,2-Dichloroethene	61	10.236	10.236	0.0	88	875421	9.11	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
35 Acrylonitrile	53	10.385	10.385	0.0	93	331253	9.27
36 Hexane	57	10.653	10.653	0.0	89	832234	10.3
37 1,1-Dichloroethane	63	11.199	11.199	0.0	99	1049239	8.11
38 Vinyl acetate	43	11.241	11.236	0.005	99	1100456	9.16
39 cis-1,2-Dichloroethene	96	12.370	12.375	-0.005	97	755409	8.97
40 2-Butanone (MEK)	72	12.397	12.392	0.005	100	314618	8.87
42 Ethyl acetate	88	12.408	12.413	-0.005	97	65479	9.49
44 Tetrahydrofuran	42	12.852	12.846	0.006	81	459913	8.86
* 43 Chlorobromomethane	128	12.862	12.852	0.010	69	576959	10.0
45 Chloroform	83	12.969	12.964	0.005	99	1595470	8.25
46 Cyclohexane	84	13.269	13.264	0.005	83	962676	9.61
47 1,1,1-Trichloroethane	97	13.280	13.280	0.0	95	1903809	8.31
48 Carbon tetrachloride	117	13.531	13.531	0.0	98	2083351	7.97
51 Isooctane	57	13.927	13.927	0.0	97	2615633	9.80
50 Benzene	78	13.986	13.986	0.0	94	2044509	8.55
52 1,2-Dichloroethane	62	14.146	14.141	0.005	99	1022839	8.45
53 n-Heptane	43	14.280	14.275	0.005	81	818170	9.82
* 54 1,4-Difluorobenzene	114	14.746	14.745	0.001	92	2743463	10.0
A 57 GRO	1	14.769	6.668 - 22.871		0	269637348	0
55 n-Butanol	56	15.029	15.024	0.005	84	246610	8.31
56 Trichloroethene	95	15.211	15.211	0.0	95	1089561	8.85
58 1,2-Dichloropropane	63	15.730	15.730	0.0	86	622938	8.55
59 Methyl methacrylate	69	15.815	15.815	0.0	76	708455	9.38
60 1,4-Dioxane	88	15.906	15.901	0.005	86	325166	7.77
61 Dibromomethane	174	15.976	15.970	0.006	88	1242876	8.23
62 Dichlorobromomethane	83	16.222	16.222	0.0	98	1768227	8.39
A 63 TVOC as Toluene	1	16.631	4.373 - 28.889		0	486697765	2446.3
64 cis-1,3-Dichloropropene	75	17.083	17.083	0.0	89	1171279	9.83
65 4-Methyl-2-pentanone (MIBK)	43	17.324	17.324	0.0	90	1051398	9.01
69 n-Octane	43	17.656	17.656	0.0	79	1084256	9.82
A 68 C8 Range	1	17.656	17.606 - 17.706		0	11683641	NC
A 67 Toluene Range	1	17.661	17.621 - 17.701		0	11683641	NC
66 Toluene	92	17.661	17.661	0.0	93	1642194	9.08
70 trans-1,3-Dichloropropene	75	18.191	18.191	0.0	94	1302494	9.52
71 1,1,2-Trichloroethane	83	18.560	18.560	0.0	92	772914	8.57
72 Tetrachloroethene	166	18.699	18.699	0.0	97	1944046	8.64
73 2-Hexanone	43	18.950	18.950	0.0	90	952369	9.35
74 Chlorodibromomethane	129	19.314	19.314	0.0	97	2136776	8.53
75 Ethylene Dibromide	107	19.603	19.603	0.0	99	1652351	9.03
S 82 Xylenes, Total	106				0		27.6
* 76 Chlorobenzene-d5	117	20.443	20.443	0.0	83	2494405	10.0
77 Chlorobenzene	112	20.502	20.502	0.0	96	2528783	8.36
78 Ethylbenzene	91	20.619	20.614	0.005	95	3851733	9.11
79 n-Nonane	57	20.673	20.673	0.0	79	1298443	9.21
80 m-Xylene & p-Xylene	106	20.833	20.833	0.0	100	3059721	17.9
83 o-Xylene	106	21.545	21.545	0.0	94	1551144	9.64
84 Styrene	104	21.582	21.582	0.0	95	2332878	9.77
85 Bromoform	173	21.962	21.962	0.0	99	2234851	8.87
86 Isopropylbenzene	105	22.117	22.112	0.005	95	4932625	9.97
$ 87 4-Bromofluorobenzene	95	22.454	22.444	0.010	97	1831032	NC
88 1,1,2,2-Tetrachloroethane	83	22.679	22.668	0.011	94	2111331	8.61
90 N-Propylbenzene	91	22.759	22.743	0.016	99	5441121	9.45

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.786	22.770	0.016	93	1622321	8.60	
93	n-Decane	57	22.872	22.861	0.011	82	1799683	9.12	
91	4-Ethyltoluene	105	22.925	22.909	0.016	96	5065784	9.20	
92	2-Chlorotoluene	91	22.957	22.946	0.011	94	4143273	8.60	
94	1,3,5-Trimethylbenzene	105	23.016	23.005	0.011	92	4490791	8.81	
95	Alpha Methyl Styrene	118	23.369	23.353	0.016	89	2213065	10.4	
96	tert-Butylbenzene	119	23.492	23.481	0.011	92	4402388	8.89	
97	1,2,4-Trimethylbenzene	105	23.589	23.572	0.017	97	4400273	9.05	
98	sec-Butylbenzene	105	23.824	23.808	0.016	98	5981883	8.93	
99	4-Isopropyltoluene	119	24.027	24.011	0.016	87	5428368	9.21	
100	1,3-Dichlorobenzene	146	24.091	24.081	0.010	97	3053631	8.61	
101	1,4-Dichlorobenzene	146	24.236	24.225	0.011	96	2971448	9.01	
102	Benzyl chloride	91	24.450	24.434	0.016	100	2720950	9.18	
104	Undecane	57	24.642	24.626	0.016	87	1803329	9.01	
103	n-Butylbenzene	91	24.664	24.653	0.011	97	3940639	8.81	
105	1,2-Dichlorobenzene	146	24.840	24.830	0.010	98	2982307	8.64	
106	Dodecane	57	26.440	26.434	0.006	89	1218498	9.30	
107	1,2,4-Trichlorobenzene	180	27.729	27.724	0.005	94	1576106	8.89	
108	Hexachlorobutadiene	225	27.938	27.927	0.011	95	2266007	8.08	
109	Naphthalene	128	28.318	28.312	0.006	99	3138431	9.08	
110	1,2,3-Trichlorobenzene	180	28.885	28.879	0.006	95	1463085	8.86	

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

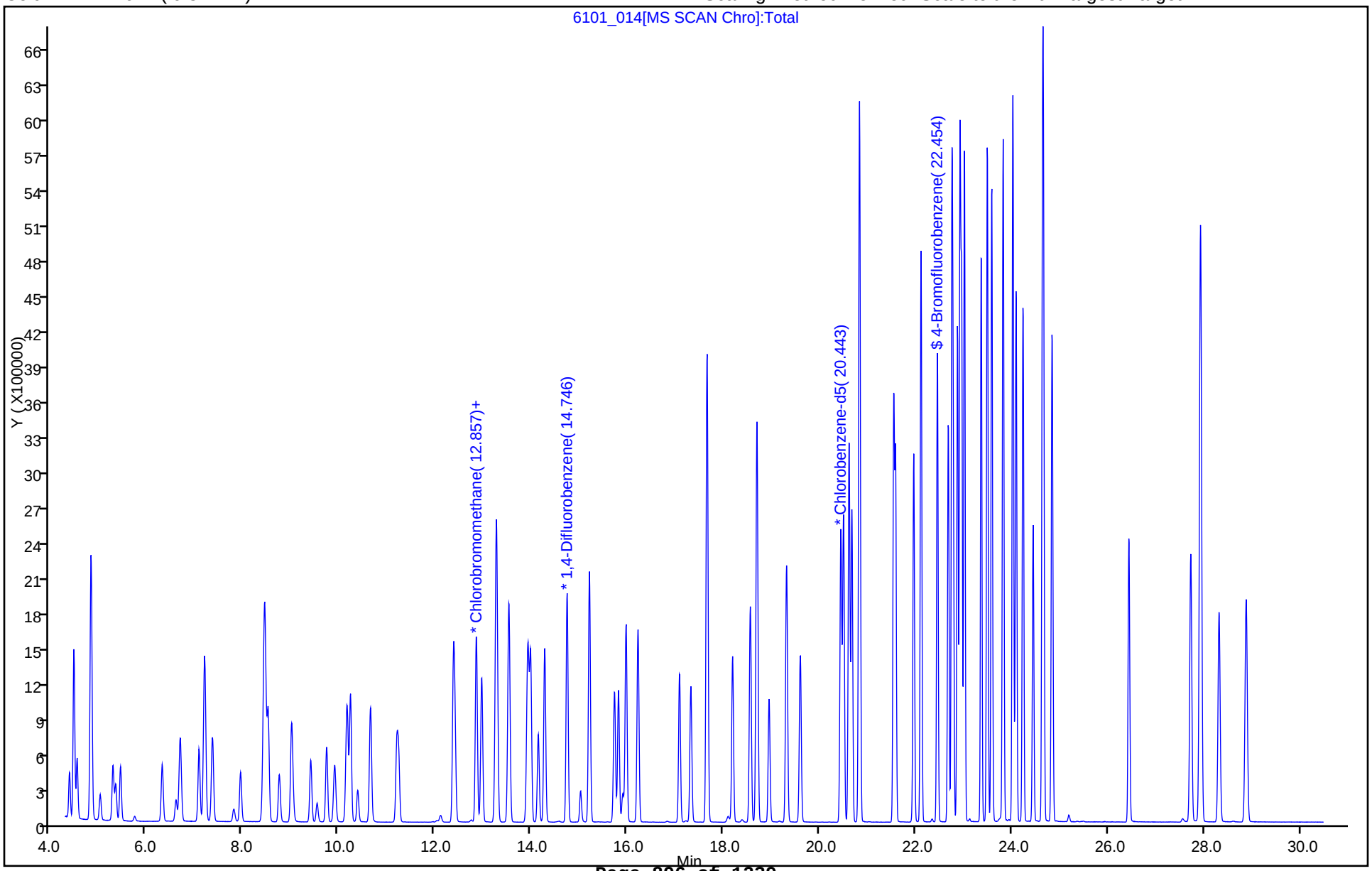
Report Date: 12-Feb-2014 09:54:12 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_014.d

Injection Date:	12-Feb-2014 03:20:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	ICV	Lab Sample ID:	ICV 200-68232/14-A	Worklist Smp#:	14
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: CCVIS 200-68420/2 Calibration Date: 02/17/2014 10:36

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6171_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6601	0.7559		11.4	10.0	14.5	30.0
Freon 12	Ave	4.574	5.403		11.8	10.0	18.1	30.0
Freon 22	Ave	1.733	2.006		11.6	10.0	15.8	30.0
Freon-114	Ave	3.900	4.211		10.8	10.0	8.0	30.0
Chloromethane	Ave	0.7873	0.8760		11.1	10.0	11.3	30.0
n-Butane	Ave	1.276	1.485		11.6	10.0	16.4	30.0
Vinyl chloride	Ave	1.133	1.160		10.2	10.0	2.4	30.0
1,3-Butadiene	Ave	0.6968	0.7850		11.3	10.0	12.7	30.0
Bromomethane	Ave	1.171	1.164		9.94	10.0	-0.6	30.0
Chloroethane	Ave	0.6027	0.6353		10.5	10.0	5.4	30.0
Isopentane	Ave	0.9735	1.071		11.0	10.0	10.0	30.0
Vinyl bromide	Ave	1.561	1.690		10.8	10.0	8.3	30.0
Freon 11	Ave	5.126	5.717		11.1	10.0	11.5	30.0
n-Pentane	Ave	1.364	1.640		12.0	10.0	20.2	30.0
Ethanol	Ave	0.2860	0.3340		17.5	15.0	16.8	30.0
Ethyl ether	Ave	0.7138	0.8586		12.0	10.0	20.3	30.0
Acrolein	Ave	0.3000	0.3444		11.5	10.0	14.8	30.0
Freon 113	Ave	3.208	3.341		10.4	10.0	4.1	30.0
1,1-Dichloroethene	Ave	1.382	1.532		11.1	10.0	10.9	30.0
Acetone	Ave	1.452	1.735		11.9	10.0	19.5	30.0
Carbon disulfide	Ave	3.183	3.367		10.6	10.0	5.8	30.0
Isopropyl alcohol	Ave	1.217	1.478		12.1	10.0	21.5	30.0
Allyl chloride	Ave	0.9827	1.219		12.4	10.0	24.0	30.0
Acetonitrile	Ave	0.5322	0.6023		11.3	10.0	13.2	30.0
Methylene Chloride	Ave	1.011	1.127		11.1	10.0	11.5	30.0
tert-Butyl alcohol	Ave	2.208	2.679		12.1	10.0	21.4	30.0
Methyl tert-butyl ether	Ave	3.658	4.719		12.9	10.0	29.0	30.0
trans-1,2-Dichloroethene	Ave	1.666	1.884		11.3	10.0	13.1	30.0
Acrylonitrile	Ave	0.6196	0.7025		11.3	10.0	13.4	30.0
Hexane	Ave	1.400	1.713		12.2	10.0	22.4	30.0
1,1-Dichloroethane	Ave	2.242	2.335		10.4	10.0	4.2	30.0
Vinyl acetate	Ave	2.083	2.621		12.6	10.0	25.8	30.0
cis-1,2-Dichloroethene	Ave	1.459	1.631		11.2	10.0	11.7	30.0
Methyl Ethyl Ketone	Ave	0.6148	0.6656		10.8	10.0	8.2	30.0
Ethyl acetate	Ave	0.1195	0.1309		11.0	10.0	9.5	30.0
Tetrahydrofuran	Ave	0.1892	0.2138		11.3	10.0	13.0	30.0
Chloroform	Ave	3.351	3.614		10.8	10.0	7.9	30.0
Cyclohexane	Ave	0.3651	0.4244		11.6	10.0	16.2	30.0
1,1,1-Trichloroethane	Ave	0.8347	0.9288		11.1	10.0	11.3	30.0
Carbon tetrachloride	Ave	0.9534	1.025		10.7	10.0	7.5	30.0
2,2,4-Trimethylpentane	Ave	0.9724	1.190		12.2	10.0	22.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: CCVIS 200-68420/2 Calibration Date: 02/17/2014 10:36

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6171_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.8714	0.8974		10.3	10.0	3.0	30.0
1,2-Dichloroethane	Ave	0.4411	0.5001		11.3	10.0	13.4	30.0
Heptane	Ave	0.3036	0.3784		12.5	10.0	24.6	30.0
n-Butanol	Ave	0.1081	0.1237		11.4	10.0	14.4	30.0
Trichloroethene	Ave	0.4486	0.4894		10.9	10.0	9.1	30.0
1,2-Dichloropropane	Ave	0.2654	0.2831		10.7	10.0	6.7	30.0
Methyl methacrylate	Ave	0.2752	0.3095		11.2	10.0	12.5	30.0
1,4-Dioxane	Ave	0.1525	0.1683		11.0	10.0	10.3	30.0
Dibromomethane	Ave	0.5502	0.5461		9.92	10.0	-0.7	30.0
Bromodichloromethane	Ave	0.7680	0.8459		11.0	10.0	10.1	30.0
cis-1,3-Dichloropropene	Ave	0.4344	0.5265		12.1	10.0	21.2	30.0
methyl isobutyl ketone	Ave	0.4254	0.5047		11.9	10.0	18.6	30.0
n-Octane	Ave	0.4024	0.4989		12.4	10.0	24.0	30.0
Toluene	Ave	0.7252	0.7718		10.6	10.0	6.4	30.0
trans-1,3-Dichloropropene	Ave	0.4984	0.5960		12.0	10.0	19.6	30.0
1,1,2-Trichloroethane	Ave	0.3616	0.3659		10.1	10.0	1.2	30.0
Tetrachloroethene	Ave	0.9024	0.9299		10.3	10.0	3.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4083	0.4796		11.7	10.0	17.5	30.0
Dibromochloromethane	Ave	1.004	1.107		11.0	10.0	10.2	30.0
1,2-Dibromoethane	Ave	0.7336	0.7990		10.9	10.0	8.9	30.0
Chlorobenzene	Ave	1.213	1.187		9.79	10.0	-2.1	30.0
Ethylbenzene	Ave	1.694	1.882		11.1	10.0	11.1	30.0
n-Nonane	Ave	0.5654	0.6395		11.3	10.0	13.1	30.0
m,p-Xylene	Ave	0.6834	0.7280		21.3	20.0	6.5	30.0
Xylene, o-	Ave	0.6450	0.7393		11.5	10.0	14.6	30.0
Styrene	Ave	0.9570	1.098		11.5	10.0	14.7	30.0
Bromoform	Ave	1.010	1.117		11.1	10.0	10.6	30.0
Cumene	Ave	1.983	2.374		12.0	10.0	19.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9828	0.9662		9.83	10.0	-1.7	30.0
n-Propylbenzene	Ave	2.308	2.662		11.5	10.0	15.4	30.0
1,2,3-Trichloropropane	Ave	0.7563	0.8014		10.6	10.0	6.0	30.0
n-Decane	Ave	0.7915	0.8598		10.9	10.0	8.6	30.0
4-Ethyltoluene	Ave	2.208	2.436		11.0	10.0	10.3	30.0
2-Chlorotoluene	Ave	1.930	2.048		10.6	10.0	6.1	30.0
1,3,5-Trimethylbenzene	Ave	2.043	2.211		10.8	10.0	8.2	30.0
Alpha Methyl Styrene	Ave	0.8513	1.025		12.0	10.0	20.4	30.0
tert-Butylbenzene	Ave	1.984	2.174		11.0	10.0	9.5	30.0
1,2,4-Trimethylbenzene	Ave	1.950	2.139		11.0	10.0	9.7	30.0
sec-Butylbenzene	Ave	2.687	2.939		10.9	10.0	9.4	30.0
4-Isopropyltoluene	Ave	2.363	2.654		11.2	10.0	12.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: CCVIS 200-68420/2 Calibration Date: 02/17/2014 10:36

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6171_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.421	1.433		10.1	10.0	0.8	30.0
1,4-Dichlorobenzene	Ave	1.323	1.402		10.6	10.0	6.0	30.0
Benzyl chloride	Ave	1.188	1.403		11.8	10.0	18.1	30.0
n-Undecane	Ave	0.8026	0.8014		9.98	10.0	-0.1	30.0
n-Butylbenzene	Ave	1.792	1.866		10.4	10.0	4.1	30.0
1,2-Dichlorobenzene	Ave	1.383	1.376		9.95	10.0	-0.5	30.0
n-Dodecane	Ave	0.5251	0.4780		9.10	10.0	-9.0	30.0
1,2,4-Trichlorobenzene	Ave	0.7107	0.5541		7.80	10.0	-22.0	30.0
Hexachloro-1,3-butadiene	Ave	1.124	1.143		10.2	10.0	1.7	30.0
Naphthalene	Ave	1.386	1.018		7.34	10.0	-26.6	30.0
1,2,3-Trichlorobenzene	Ave	0.6622	0.5718		8.63	10.0	-13.7	30.0

Report Date: 18-Feb-2014 11:49:33 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_002.d
Lims ID: CCVIS Lab Sample ID: VIBLK 200-68235/2-A
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Feb-2014 10:36:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006171-002
Misc. Info.: CCVIS
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Feb-2014 11:49:33 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: lyonsb Date: 17-Feb-2014 11:28:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.367	4.367	0.0	95	269685	11.4	
2 Dichlorodifluoromethane	85	4.469	4.469	0.0	99	1927593	11.8	
6 Chlorodifluoromethane	51	4.533	4.533	0.0	93	715553	11.6	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.822	4.822	0.0	85	1502224	10.8	
8 Chloromethane	50	5.020	5.020	0.0	99	312513	11.1	
9 Butane	43	5.276	5.276	0.0	94	529706	11.6	
10 Vinyl chloride	62	5.341	5.341	0.0	97	413894	10.2	
11 Butadiene	54	5.437	5.437	0.0	94	280073	11.3	
12 Bromomethane	94	6.304	6.304	0.0	98	415294	9.94	
13 BFB								
14 Chloroethane	64	6.592	6.592	0.0	96	226636	10.5	
15 2-Methylbutane	43	6.683	6.683	0.0	86	382107	11.0	
16 Vinyl bromide	106	7.069	7.069	0.0	95	602914	10.8	
17 Trichlorofluoromethane	101	7.186	7.186	0.0	99	2039441	11.1	
18 Pentane	43	7.347	7.347	0.0	92	584929	12.0	
19 Ethanol	45	7.807	7.807	0.0	99	178802	17.5	
21 Ethyl ether	59	7.941	7.941	0.0	91	306314	12.0	
22 Acrolein	56	8.401	8.401	0.0	97	122852	11.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.438	8.438	0.0	93	1192031	10.4	
24 1,1-Dichloroethene	96	8.508	8.508	0.0	96	546620	11.1	
25 Acetone	43	8.748	8.748	0.0	86	619114	11.9	
26 Carbon disulfide	76	8.994	8.994	0.0	99	1201381	10.6	
27 Isopropyl alcohol	45	9.037	9.037	0.0	96	527236	12.1	
29 3-Chloro-1-propene	41	9.401	9.401	0.0	82	434879	12.4	
30 Acetonitrile	41	9.535	9.535	0.0	97	214891	11.3	
31 Methylene Chloride	49	9.733	9.733	0.0	82	402125	11.1	
32 2-Methyl-2-propanol	59	9.909	9.909	0.0	98	955759	12.1	
33 Methyl tert-butyl ether	73	10.155	10.155	0.0	94	1683730	12.9	
S 41 1,2-Dichloroethene, Total	61				0		22.5	
34 trans-1,2-Dichloroethene	61	10.230	10.230	0.0	90	672291	11.3	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
35 Acrylonitrile	53	10.380	10.380	0.0	93	250642	11.3
36 Hexane	57	10.648	10.648	0.0	89	611084	12.2
37 1,1-Dichloroethane	63	11.199	11.199	0.0	99	833117	10.4
38 Vinyl acetate	43	11.241	11.241	0.0	99	935136	12.6
39 cis-1,2-Dichloroethene	96	12.370	12.370	0.0	99	581776	11.2
40 2-Butanone (MEK)	72	12.392	12.392	0.0	99	237449	10.8
42 Ethyl acetate	88	12.418	12.418	0.0	97	46706	11.0
44 Tetrahydrofuran	42	12.852	12.852	0.0	84	365522	11.3
* 43 Chlorobromomethane	128	12.852	12.852	0.0	70	356833	10.0
45 Chloroform	83	12.964	12.964	0.0	100	1289477	10.8
46 Cyclohexane	84	13.264	13.264	0.0	83	725560	11.6
47 1,1,1-Trichloroethane	97	13.274	13.274	0.0	95	1588085	11.1
48 Carbon tetrachloride	117	13.531	13.531	0.0	98	1751973	10.7
51 Isooctane	57	13.927	13.927	0.0	97	2034831	12.2
50 Benzene	78	13.986	13.986	0.0	95	1534376	10.3
52 1,2-Dichloroethane	62	14.146	14.146	0.0	99	855038	11.3
53 n-Heptane	43	14.275	14.275	0.0	81	646931	12.5
* 54 1,4-Difluorobenzene	114	14.745	14.745	0.0	93	1710087	10.0
A 57 GRO	1	14.772	6.673 - 22.871		0	224258061	0
55 n-Butanol	56	15.024	15.024	0.0	86	211419	11.4
56 Trichloroethene	95	15.211	15.211	0.0	96	836704	10.9
58 1,2-Dichloropropane	63	15.730	15.730	0.0	83	484061	10.7
59 Methyl methacrylate	69	15.815	15.815	0.0	77	529156	11.2
60 1,4-Dioxane	88	15.901	15.901	0.0	86	287718	11.0
61 Dibromomethane	174	15.970	15.970	0.0	89	933774	9.92
62 Dichlorobromomethane	83	16.222	16.222	0.0	98	1446348	11.0
A 63 TVOC as Toluene	1	16.620	4.357 - 28.884		0	381675347	3077.7
64 cis-1,3-Dichloropropene	75	17.083	17.083	0.0	92	900224	12.1
65 4-Methyl-2-pentanone (MIBK)	43	17.319	17.319	0.0	90	862867	11.9
69 n-Octane	43	17.656	17.656	0.0	76	853038	12.4
A 68 C8 Range	1	17.656	17.606 - 17.706		0	8979868	NC
66 Toluene	92	17.661	17.661	0.0	93	1205090	10.6
A 67 Toluene Range	1	17.661	17.621 - 17.701		0	8979868	NC
70 trans-1,3-Dichloropropene	75	18.191	18.191	0.0	96	1019012	12.0
71 1,1,2-Trichloroethane	83	18.560	18.560	0.0	91	571294	10.1
72 Tetrachloroethene	166	18.699	18.699	0.0	99	1451985	10.3
73 2-Hexanone	43	18.950	18.950	0.0	90	748811	11.7
74 Chlorodibromomethane	129	19.314	19.314	0.0	97	1728568	11.0
75 Ethylene Dibromide	107	19.598	19.598	0.0	99	1247547	10.9
S 82 Xylenes, Total	106				0		32.8
* 76 Chlorobenzene-d5	117	20.443	20.443	0.0	69	1561721	10.0
77 Chlorobenzene	112	20.502	20.502	0.0	94	1854156	9.79
78 Ethylbenzene	91	20.619	20.619	0.0	97	2938378	11.1
79 n-Nonane	57	20.673	20.673	0.0	78	998455	11.3
80 m-Xylene & p-Xylene	106	20.833	20.833	0.0	99	2273274	21.3
83 o-Xylene	106	21.545	21.545	0.0	94	1154296	11.5
84 Styrene	104	21.588	21.588	0.0	95	1713766	11.5
85 Bromoform	173	21.962	21.962	0.0	98	1743989	11.1
86 Isopropylbenzene	105	22.112	22.112	0.0	96	3707247	12.0
$ 87 4-Bromofluorobenzene	95	22.444	22.444	0.0	96	1164961	NC
88 1,1,2,2-Tetrachloroethane	83	22.668	22.668	0.0	93	1508585	9.83
90 N-Propylbenzene	91	22.743	22.743	0.0	99	4157156	11.5

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q		Response	On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.770	22.770	0.0	84	1251242	10.6	
93	n-Decane	57	22.861	22.861	0.0	82	1342493	10.9	
91	4-Ethyltoluene	105	22.909	22.909	0.0	92	3803405	11.0	
92	2-Chlorotoluene	91	22.946	22.946	0.0	94	3198357	10.6	
94	1,3,5-Trimethylbenzene	105	23.005	23.005	0.0	92	3452545	10.8	
95	Alpha Methyl Styrene	118	23.353	23.353	0.0	88	1600518	12.0	
96	tert-Butylbenzene	119	23.481	23.481	0.0	92	3393757	11.0	
97	1,2,4-Trimethylbenzene	105	23.572	23.572	0.0	97	3339717	11.0	
98	sec-Butylbenzene	105	23.808	23.808	0.0	98	4588853	10.9	
99	4-Isopropyltoluene	119	24.011	24.011	0.0	84	4143397	11.2	
100	1,3-Dichlorobenzene	146	24.081	24.081	0.0	97	2237261	10.1	
101	1,4-Dichlorobenzene	146	24.225	24.225	0.0	95	2188813	10.6	
102	Benzyl chloride	91	24.434	24.434	0.0	99	2190559	11.8	
104	Undecane	57	24.632	24.632	0.0	88	1251276	9.98	
103	n-Butylbenzene	91	24.653	24.653	0.0	97	2913867	10.4	
105	1,2-Dichlorobenzene	146	24.830	24.830	0.0	97	2149261	9.95	
106	Dodecane	57	26.434	26.434	0.0	89	746289	9.10	
107	1,2,4-Trichlorobenzene	180	27.724	27.724	0.0	93	865208	7.80	
108	Hexachlorobutadiene	225	27.932	27.932	0.0	94	1784906	10.2	
109	Naphthalene	128	28.312	28.312	0.0	99	1589163	7.34	
110	1,2,3-Trichlorobenzene	180	28.874	28.874	0.0	95	892852	8.63	

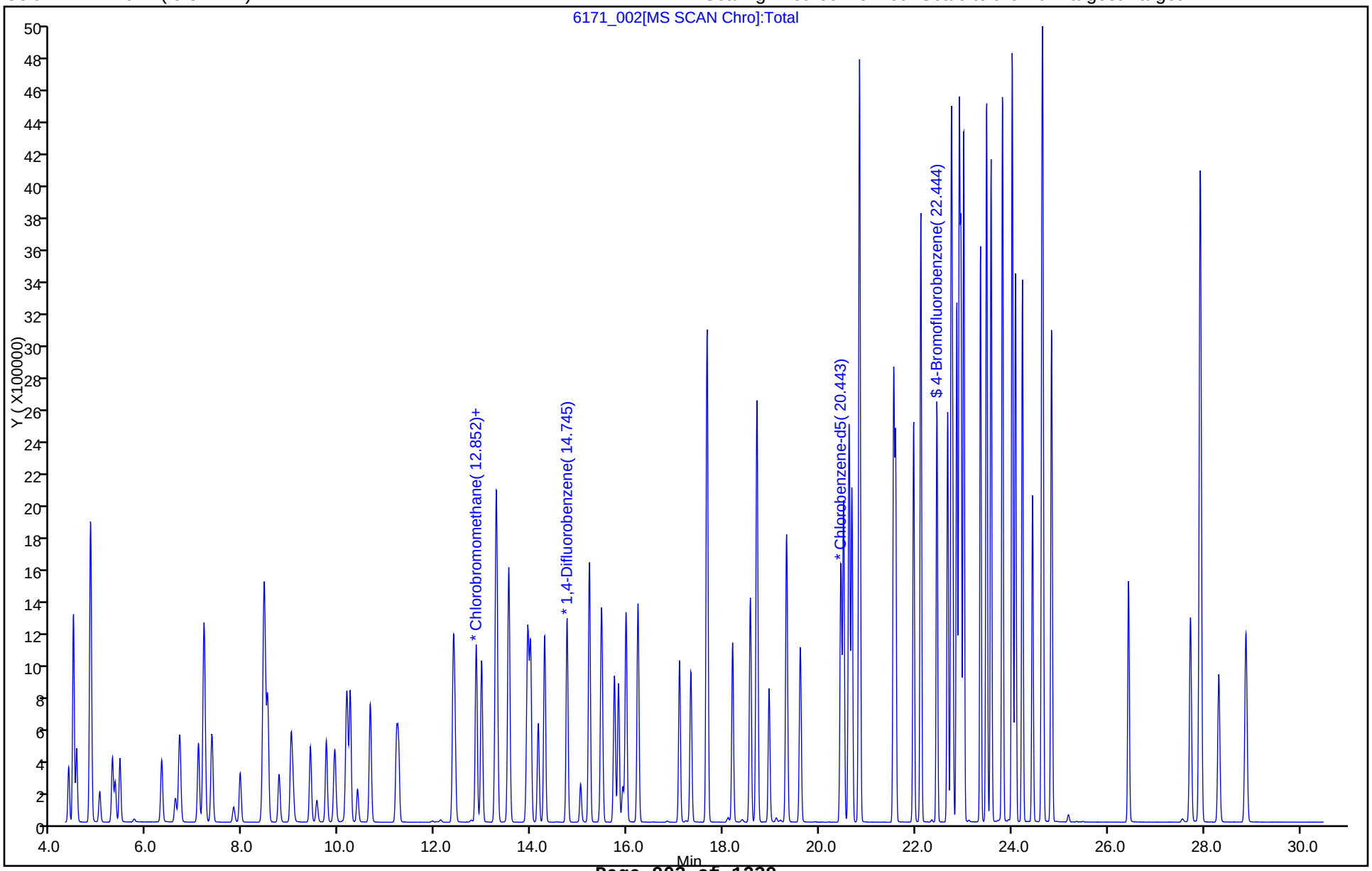
Report Date: 18-Feb-2014 11:49:34 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_002.d

Injection Date:	17-Feb-2014 10:36:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	CCVIS	Lab Sample ID:	VIBLK 200-68235/2-A	Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: CCVIS 200-68730/2 Calibration Date: 02/24/2014 11:15

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6282_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6601	0.7846		11.9	10.0	18.9	30.0
Freon 12	Ave	4.574	5.300		11.6	10.0	15.9	30.0
Freon 22	Ave	1.733	1.995		11.5	10.0	15.1	30.0
Freon-114	Ave	3.900	4.312		11.1	10.0	10.6	30.0
Chloromethane	Ave	0.7873	0.9114		11.6	10.0	15.8	30.0
n-Butane	Ave	1.276	1.426		11.2	10.0	11.8	30.0
Vinyl chloride	Ave	1.133	1.138		10.0	10.0	0.5	30.0
1,3-Butadiene	Ave	0.6968	0.7513		10.8	10.0	7.8	30.0
Bromomethane	Ave	1.171	1.192		10.2	10.0	1.7	30.0
Chloroethane	Ave	0.6027	0.6359		10.5	10.0	5.5	30.0
Isopentane	Ave	0.9735	1.062		10.9	10.0	9.1	30.0
Vinyl bromide	Ave	1.561	1.792		11.5	10.0	14.8	30.0
Freon 11	Ave	5.126	5.536		10.8	10.0	8.0	30.0
n-Pentane	Ave	1.364	1.675		12.3	10.0	22.7	30.0
Ethanol	Ave	0.2860	0.3366		17.7	15.0	17.7	30.0
Ethyl ether	Ave	0.7138	0.8680		12.2	10.0	21.6	30.0
Acrolein	Ave	0.3000	0.3555		11.8	10.0	18.5	30.0
Freon 113	Ave	3.208	3.430		10.7	10.0	6.9	30.0
1,1-Dichloroethene	Ave	1.382	1.617		11.7	10.0	17.1	30.0
Acetone	Ave	1.452	1.705		11.7	10.0	17.4	30.0
Carbon disulfide	Ave	3.183	3.559		11.2	10.0	11.8	30.0
Isopropyl alcohol	Ave	1.217	1.477		12.1	10.0	21.4	30.0
Allyl chloride	Ave	0.9827	1.237		12.6	10.0	25.9	30.0
Acetonitrile	Ave	0.5322	0.6421		12.1	10.0	20.7	30.0
Methylene Chloride	Ave	1.011	1.123		11.1	10.0	11.1	30.0
tert-Butyl alcohol	Ave	2.208	2.633		11.9	10.0	19.3	30.0
Methyl tert-butyl ether	Ave	3.658	4.742		13.0	10.0	29.6	30.0
trans-1,2-Dichloroethene	Ave	1.666	1.909		11.5	10.0	14.6	30.0
Acrylonitrile	Ave	0.6196	0.7190		11.6	10.0	16.0	30.0
Hexane	Ave	1.400	1.784		12.7	10.0	27.5	30.0
1,1-Dichloroethane	Ave	2.242	2.374		10.6	10.0	5.9	30.0
Vinyl acetate	Ave	2.083	2.635		12.6	10.0	26.5	30.0
cis-1,2-Dichloroethene	Ave	1.459	1.724		11.8	10.0	18.1	30.0
Methyl Ethyl Ketone	Ave	0.6148	0.6994		11.4	10.0	13.8	30.0
Ethyl acetate	Ave	0.1195	0.1357		11.4	10.0	13.5	30.0
Tetrahydrofuran	Ave	0.1892	0.2170		11.5	10.0	14.7	30.0
Chloroform	Ave	3.351	3.638		10.9	10.0	8.6	30.0
Cyclohexane	Ave	0.3651	0.4532		12.4	10.0	24.1	30.0
1,1,1-Trichloroethane	Ave	0.8347	0.9168		11.0	10.0	9.8	30.0
Carbon tetrachloride	Ave	0.9534	1.007		10.6	10.0	5.6	30.0
2,2,4-Trimethylpentane	Ave	0.9724	1.252		12.9	10.0	28.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: CCVIS 200-68730/2 Calibration Date: 02/24/2014 11:15

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6282_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.8714	0.9547		11.0	10.0	9.6	30.0
1,2-Dichloroethane	Ave	0.4411	0.4883		11.1	10.0	10.7	30.0
Heptane	Ave	0.3036	0.3911		12.9	10.0	28.8	30.0
n-Butanol	Ave	0.1081	0.1272		11.8	10.0	17.7	30.0
Trichloroethene	Ave	0.4486	0.5106		11.4	10.0	13.8	30.0
1,2-Dichloropropane	Ave	0.2654	0.2998		11.3	10.0	13.0	30.0
Methyl methacrylate	Ave	0.2752	0.3256		11.8	10.0	18.3	30.0
1,4-Dioxane	Ave	0.1525	0.1777		11.6	10.0	16.5	30.0
Dibromomethane	Ave	0.5502	0.5822		10.6	10.0	5.8	30.0
Bromodichloromethane	Ave	0.7680	0.8567		11.2	10.0	11.5	30.0
cis-1,3-Dichloropropene	Ave	0.4344	0.5551		12.8	10.0	27.8	30.0
methyl isobutyl ketone	Ave	0.4254	0.5089		12.0	10.0	19.6	30.0
n-Octane	Ave	0.4024	0.5120		12.7	10.0	27.3	30.0
Toluene	Ave	0.7252	0.8329		11.5	10.0	14.8	30.0
trans-1,3-Dichloropropene	Ave	0.4984	0.6129		12.3	10.0	23.0	30.0
1,1,2-Trichloroethane	Ave	0.3616	0.3910		10.8	10.0	8.1	30.0
Tetrachloroethene	Ave	0.9024	0.997		11.1	10.0	10.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4083	0.4867		11.9	10.0	19.2	30.0
Dibromochloromethane	Ave	1.004	1.145		11.4	10.0	14.0	30.0
1,2-Dibromoethane	Ave	0.7336	0.8423		11.5	10.0	14.8	30.0
Chlorobenzene	Ave	1.213	1.288		10.6	10.0	6.2	30.0
Ethylbenzene	Ave	1.694	1.978		11.7	10.0	16.7	30.0
n-Nonane	Ave	0.5654	0.6664		11.8	10.0	17.9	30.0
m,p-Xylene	Ave	0.6834	0.7756		22.7	20.0	13.5	30.0
Xylene, o-	Ave	0.6450	0.7908		12.3	10.0	22.6	30.0
Styrene	Ave	0.9570	1.167		12.2	10.0	22.0	30.0
Bromoform	Ave	1.010	1.150		11.4	10.0	13.9	30.0
Cumene	Ave	1.983	2.470		12.5	10.0	24.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9828	1.017		10.3	10.0	3.4	30.0
n-Propylbenzene	Ave	2.308	2.735		11.8	10.0	18.5	30.0
1,2,3-Trichloropropane	Ave	0.7563	0.8191		10.8	10.0	8.3	30.0
n-Decane	Ave	0.7915	0.8917		11.3	10.0	12.7	30.0
4-Ethyltoluene	Ave	2.208	2.495		11.3	10.0	13.0	30.0
2-Chlorotoluene	Ave	1.930	2.080		10.8	10.0	7.7	30.0
1,3,5-Trimethylbenzene	Ave	2.043	2.255		11.0	10.0	10.4	30.0
Alpha Methyl Styrene	Ave	0.8513	1.058		12.4	10.0	24.3	30.0
tert-Butylbenzene	Ave	1.984	2.251		11.3	10.0	13.5	30.0
1,2,4-Trimethylbenzene	Ave	1.950	2.189		11.2	10.0	12.2	30.0
sec-Butylbenzene	Ave	2.687	3.050		11.3	10.0	13.5	30.0
4-Isopropyltoluene	Ave	2.363	2.746		11.6	10.0	16.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Lab Sample ID: CCVIS 200-68730/2 Calibration Date: 02/24/2014 11:15

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6282_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.421	1.440		10.1	10.0	1.3	30.0
1,4-Dichlorobenzene	Ave	1.323	1.373		10.4	10.0	3.8	30.0
Benzyl chloride	Ave	1.188	1.338		11.3	10.0	12.6	30.0
n-Undecane	Ave	0.8026	0.7744		9.65	10.0	-3.5	30.0
n-Butylbenzene	Ave	1.792	1.806		10.1	10.0	0.7	30.0
1,2-Dichlorobenzene	Ave	1.383	1.324		9.57	10.0	-4.3	30.0
n-Dodecane	Ave	0.5251	0.4317		8.22	10.0	-17.8	30.0
1,2,4-Trichlorobenzene	Ave	0.7107	0.5396		7.59	10.0	-24.1	30.0
Hexachloro-1,3-butadiene	Ave	1.124	1.078		9.59	10.0	-4.1	30.0
Naphthalene	Ave	1.386	0.9729		7.02	10.0	-29.8	30.0
1,2,3-Trichlorobenzene	Ave	0.6622	0.5592		8.44	10.0	-15.6	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_002.d
Lims ID: CCVIS Lab Sample ID: VIBLK 200-68235/2-A
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Feb-2014 11:15:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006282-002
Misc. Info.: CCVIS
Operator ID: bl Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 15:16:59 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.372	4.372	0.0	97	322086	11.9	
2 Dichlorodifluoromethane	85	4.463	4.463	0.0	99	2175598	11.6	
6 Chlorodifluoromethane	51	4.533	4.533	0.0	74	818742	11.5	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.816	4.816	0.0	87	1770026	11.1	
8 Chloromethane	50	5.009	5.009	0.0	100	374131	11.6	
9 Butane	43	5.276	5.276	0.0	94	585216	11.2	
10 Vinyl chloride	62	5.330	5.330	0.0	82	467057	10.0	
11 Butadiene	54	5.432	5.432	0.0	94	308382	10.8	
12 Bromomethane	94	6.304	6.304	0.0	98	489177	10.2	
13 BFB								
14 Chloroethane	64	6.582	6.582	0.0	99	261041	10.5	
15 2-Methylbutane	43	6.678	6.678	0.0	85	436027	10.9	
16 Vinyl bromide	106	7.069	7.069	0.0	96	735574	11.5	
17 Trichlorofluoromethane	101	7.186	7.186	0.0	98	2272659	10.8	
18 Pentane	43	7.347	7.347	0.0	93	687375	12.3	
19 Ethanol	45	7.802	7.802	0.0	99	207339	17.7	
21 Ethyl ether	59	7.930	7.930	0.0	92	356286	12.2	
22 Acrolein	56	8.401	8.401	0.0	97	145922	11.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.438	8.438	0.0	93	1408058	10.7	
24 1,1-Dichloroethene	96	8.508	8.508	0.0	95	663920	11.7	
25 Acetone	43	8.743	8.743	0.0	88	699914	11.7	
26 Carbon disulfide	76	8.995	8.995	0.0	99	1460996	11.2	
27 Isopropyl alcohol	45	9.027	9.027	0.0	97	606230	12.1	
29 3-Chloro-1-propene	41	9.396	9.396	0.0	82	507698	12.6	
30 Acetonitrile	41	9.530	9.530	0.0	98	263565	12.1	
31 Methylene Chloride	49	9.727	9.727	0.0	80	461124	11.1	
32 2-Methyl-2-propanol	59	9.899	9.899	0.0	98	1080891	11.9	
33 Methyl tert-butyl ether	73	10.155	10.155	0.0	94	1946490	13.0	
S 41 1,2-Dichloroethene, Total	61				0		23.3	
34 trans-1,2-Dichloroethene	61	10.230	10.230	0.0	89	783549	11.5	
35 Acrylonitrile	53	10.375	10.375	0.0	92	295151	11.6	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
36 Hexane	57	10.642	10.642	0.0	89	732326	12.7
37 1,1-Dichloroethane	63	11.193	11.193	0.0	99	974559	10.6
38 Vinyl acetate	43	11.231	11.231	0.0	99	1081832	12.6
39 cis-1,2-Dichloroethene	96	12.370	12.370	0.0	97	707729	11.8
40 2-Butanone (MEK)	72	12.386	12.386	0.0	100	287103	11.4
42 Ethyl acetate	88	12.408	12.408	0.0	98	55708	11.4
44 Tetrahydrofuran	42	12.846	12.846	0.0	87	423874	11.5
* 43 Chlorobromomethane	128	12.857	12.857	0.0	68	410568	10.0
45 Chloroform	83	12.959	12.959	0.0	99	1493215	10.9
46 Cyclohexane	84	13.258	13.258	0.0	82	885214	12.4
47 1,1,1-Trichloroethane	97	13.269	13.269	0.0	95	1790576	11.0
48 Carbon tetrachloride	117	13.531	13.531	0.0	98	1966470	10.6
51 Isooctane	57	13.927	13.927	0.0	97	2445925	12.9
50 Benzene	78	13.980	13.980	0.0	93	1864693	11.0
52 1,2-Dichloroethane	62	14.141	14.141	0.0	99	953730	11.1
53 n-Heptane	43	14.275	14.275	0.0	82	763814	12.9
* 54 1,4-Difluorobenzene	114	14.740	14.740	0.0	93	1953552	10.0
A 57 GRO	1	14.767	6.668 - 22.866		0	261058062	0
55 n-Butanol	56	15.018	15.018	0.0	85	248528	11.8
56 Trichloroethene	95	15.206	15.206	0.0	95	997335	11.4
58 1,2-Dichloropropane	63	15.730	15.730	0.0	84	585612	11.3
59 Methyl methacrylate	69	15.810	15.810	0.0	76	635968	11.8
60 1,4-Dioxane	88	15.896	15.896	0.0	84	347021	11.6
61 Dibromomethane	174	15.971	15.971	0.0	88	1137037	10.6
62 Dichlorobromomethane	83	16.217	16.217	0.0	98	1673272	11.2
A 63 TVOC as Toluene	1	16.572	4.362 - 28.782		0	437681100	3089.4
64 cis-1,3-Dichloropropene	75	17.083	17.083	0.0	90	1084201	12.8
65 4-Methyl-2-pentanone (MIBK)	43	17.319	17.319	0.0	90	994000	12.0
69 n-Octane	43	17.650	17.650	0.0	79	1000083	12.7
A 68 C8 Range	1	17.650	17.600 - 17.700		0	10624338	NC
66 Toluene	92	17.656	17.656	0.0	93	1480049	11.5
A 67 Toluene Range	1	17.656	17.616 - 17.696		0	10624338	NC
70 trans-1,3-Dichloropropene	75	18.185	18.185	0.0	95	1197029	12.3
71 1,1,2-Trichloroethane	83	18.560	18.560	0.0	92	694818	10.8
72 Tetrachloroethene	166	18.694	18.694	0.0	98	1772466	11.1
73 2-Hexanone	43	18.945	18.945	0.0	90	864953	11.9
74 Chlorodibromomethane	129	19.314	19.314	0.0	97	2034967	11.4
75 Ethylene Dibromide	107	19.598	19.598	0.0	99	1496784	11.5
S 82 Xylenes, Total	106				0		35.0
* 76 Chlorobenzene-d5	117	20.443	20.443	0.0	84	1777392	10.0
77 Chlorobenzene	112	20.502	20.502	0.0	96	2288555	10.6
78 Ethylbenzene	91	20.614	20.614	0.0	97	3514626	11.7
79 n-Nonane	57	20.673	20.673	0.0	78	1184208	11.8
80 m-Xylene & p-Xylene	106	20.828	20.828	0.0	100	2756610	22.7
83 o-Xylene	106	21.545	21.545	0.0	94	1405279	12.3
84 Styrene	104	21.582	21.582	0.0	95	2074011	12.2
85 Bromoform	173	21.957	21.957	0.0	99	2043809	11.4
86 Isopropylbenzene	105	22.107	22.107	0.0	95	4390167	12.5
$ 87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1277037	NC
88 1,1,2,2-Tetrachloroethane	83	22.668	22.668	0.0	94	1806474	10.3
90 N-Propylbenzene	91	22.743	22.743	0.0	98	4859368	11.8
89 1,2,3-Trichloropropane	75	22.770	22.770	0.0	86	1455584	10.8

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane	57	22.856	22.856	0.0	82	1584521	11.3
91 4-Ethyltoluene	105	22.909	22.909	0.0	96	4434383	11.3
92 2-Chlorotoluene	91	22.941	22.941	0.0	92	3695684	10.8
94 1,3,5-Trimethylbenzene	105	23.000	23.000	0.0	92	4007403	11.0
95 Alpha Methyl Styrene	118	23.348	23.348	0.0	89	1880784	12.4
96 tert-Butylbenzene	119	23.476	23.476	0.0	93	4000786	11.3
97 1,2,4-Trimethylbenzene	105	23.572	23.572	0.0	97	3889320	11.2
98 sec-Butylbenzene	105	23.808	23.808	0.0	97	5420035	11.3
99 4-Isopropyltoluene	119	24.011	24.011	0.0	88	4879783	11.6
100 1,3-Dichlorobenzene	146	24.075	24.075	0.0	97	2558548	10.1
101 1,4-Dichlorobenzene	146	24.220	24.220	0.0	96	2440277	10.4
102 Benzyl chloride	91	24.428	24.428	0.0	99	2376993	11.3
104 Undecane	57	24.616	24.616	0.0	90	1376086	9.65
103 n-Butylbenzene	91	24.642	24.642	0.0	97	3208822	10.1
105 1,2-Dichlorobenzene	146	24.819	24.819	0.0	98	2353260	9.57
106 Dodecane	57	26.381	26.381	0.0	89	767073	8.22
107 1,2,4-Trichlorobenzene	180	27.644	27.644	0.0	94	958816	7.59
108 Hexachlorobutadiene	225	27.842	27.842	0.0	94	1915039	9.59
109 Naphthalene	128	28.221	28.221	0.0	99	1728934	7.02
110 1,2,3-Trichlorobenzene	180	28.772	28.772	0.0	94	993692	8.44

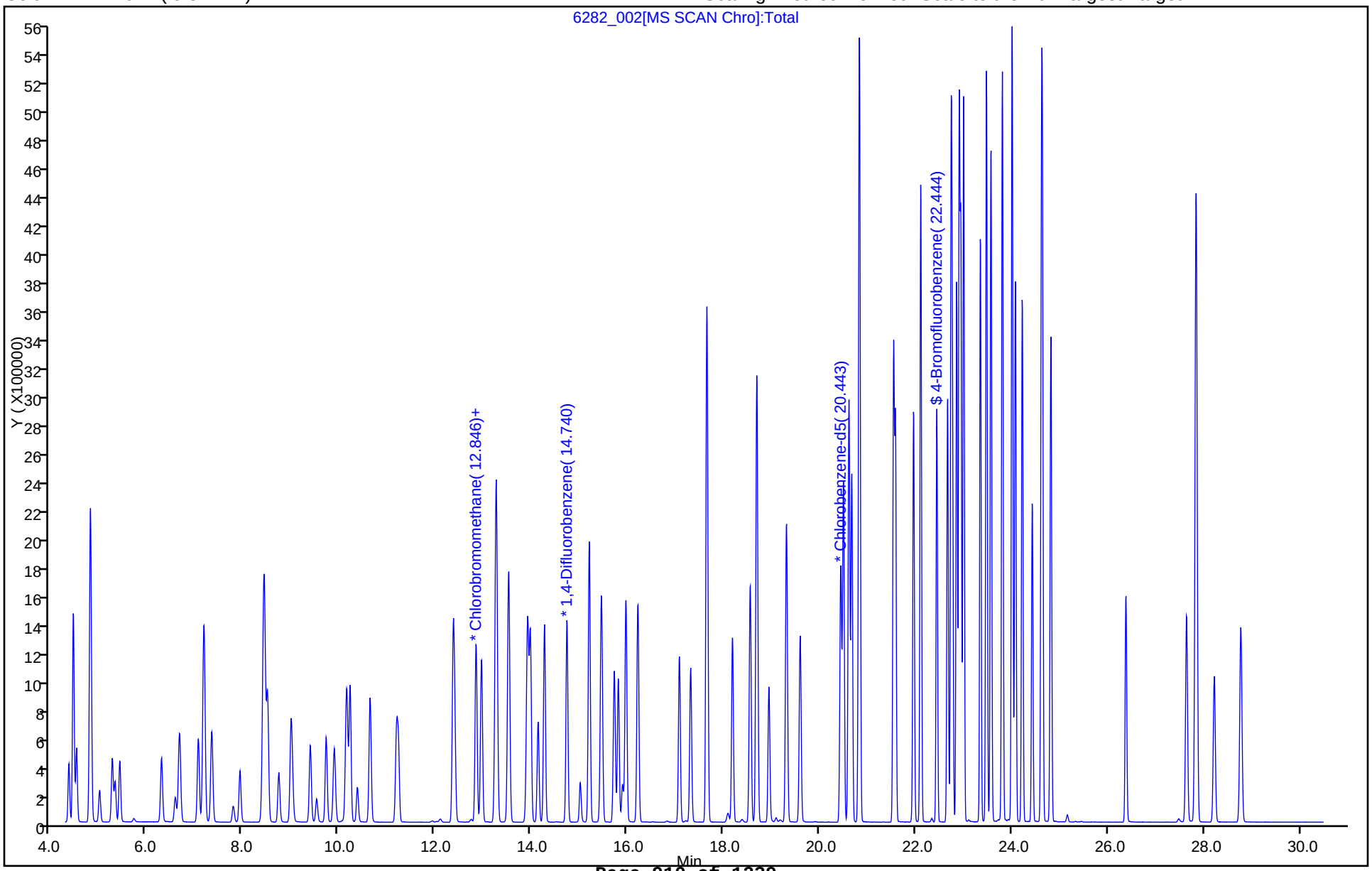
Report Date: 24-Feb-2014 15:16:59 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_002.d

Injection Date:	24-Feb-2014 11:15:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	CCVIS	Lab Sample ID:	VIBLK 200-68235/2-A	Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma001.D				
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	03-Jan-2014 07:37:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0005623-001				
Misc. Info.:	bfb				
Operator ID:	pad	Instrument ID:	CHC.i		
Method:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\TO15_LLNJ_TO3_CHC.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	21-Jan-2014 12:19:28	Calib Date:	03-Jan-2014 15:48:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK033				

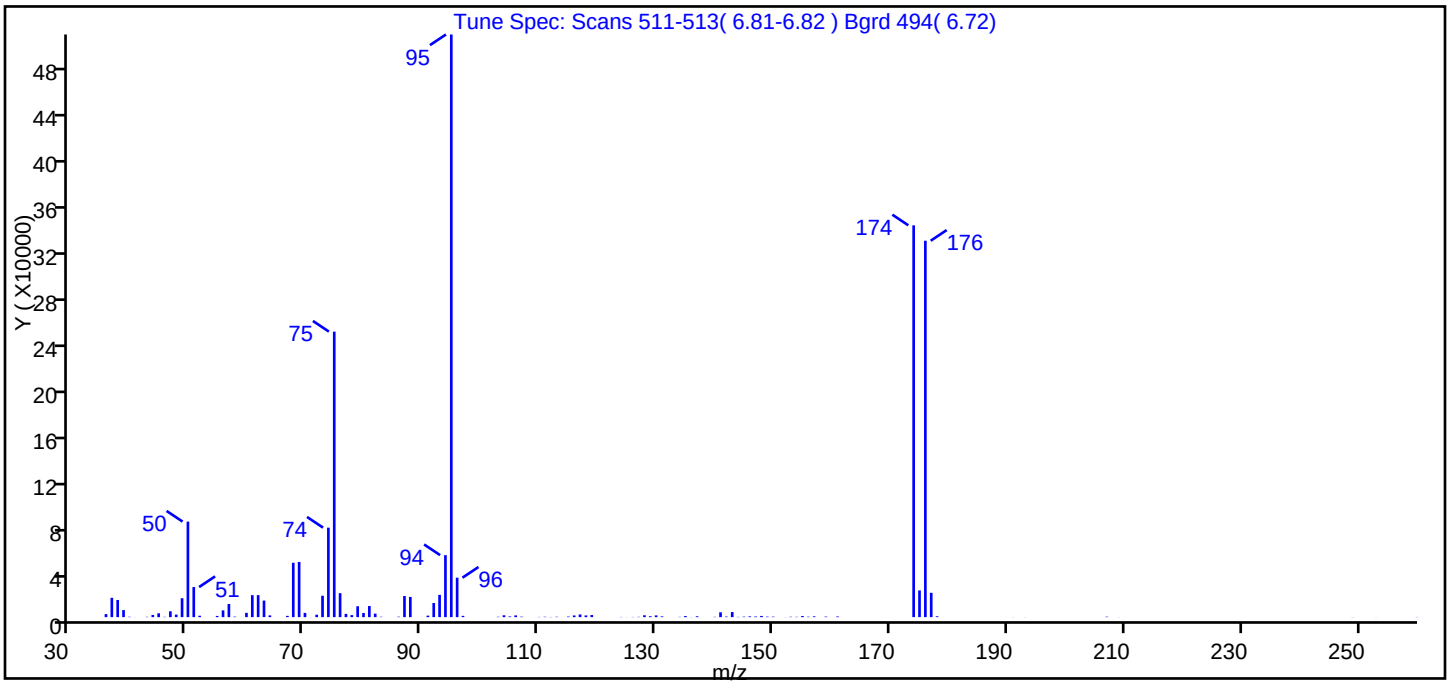
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
18 BFB								
* 43 Chlorobromomethane	128	10.936						
* 54 1,4-Difluorobenzene	114	13.006						
* 76 Chlorobenzene-d5	117	19.149						
$ 87 4-Bromofluorobenzene	95	21.401						

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma001.D
Injection Date: 03-Jan-2014 07:37:30 Instrument ID: CHC.i
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: pad ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

18 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	16.40
75	30.00 - 66.00% of mass 95	49.00
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	67.20
175	4.00 - 9.00% of mass 174	4.60 (6.80)
176	93.00 - 101.00% of mass 174	64.60 (96.10)
177	5.00 - 9.00% of mass 176	4.20 (6.50)

Report Date: 21-Jan-2014 12:19:28 Chrom Revision: 2.1 07-Jan-2014 14:40:50

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma001.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 03-Jan-2014 07:37:30
Spectrum: Tune Spec: Scans 511-513(6.81-6.82) Bgrd 494(6.72)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 110

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2627	70.00	3648	107.00	417	146.00	658
37.00	16616	71.00	79	110.00	188	147.00	559
38.00	14742	72.00	2101	111.00	328	148.00	1038
39.00	6074	73.00	18408	112.00	153	149.00	434
40.00	322	74.00	76960	113.00	328	150.00	417
41.00	64	75.00	245504	115.00	496	152.00	86
43.00	294	76.00	20632	116.00	1457	153.00	322
44.00	1870	77.00	2814	117.00	2328	154.00	286
45.00	3299	78.00	1728	118.00	1486	155.00	947
46.00	252	79.00	9371	119.00	1831	156.00	374
47.00	5027	80.00	3558	124.00	170	157.00	682
48.00	2196	81.00	9566	125.00	71	159.00	473
49.00	16281	82.00	3012	126.00	166	161.00	587
50.00	82144	83.00	325	127.00	265	174.00	336896
51.00	25880	86.00	391	128.00	1603	175.00	22984
52.00	1206	87.00	18152	129.00	787	176.00	323648
55.00	1058	88.00	17376	130.00	1499	177.00	20928
56.00	5830	91.00	1296	131.00	656	178.00	725
57.00	11281	92.00	12141	134.00	228	191.00	83
58.00	437	93.00	19160	135.00	943	193.00	76
60.00	3689	94.00	53320	136.00	71	207.00	388
61.00	18912	95.00	500992	137.00	736	209.00	73
62.00	18936	96.00	33936	140.00	277	232.00	4
63.00	14259	97.00	1106	141.00	4179	249.00	105
64.00	1505	103.00	329	142.00	493	253.00	44
67.00	1096	104.00	1602	143.00	4380	260.00	161
68.00	46768	105.00	606	144.00	230		
69.00	47456	106.00	1491	145.00	413		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_01.D				
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	26-Feb-2014 11:15:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0006343-001				
Misc. Info.:	bfb				
Operator ID:	wrd	Instrument ID:	CHC.i		
Method:	\\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\TO15_LLNJ_TO3_CHC.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	26-Feb-2014 12:25:38	Calib Date:	03-Jan-2014 15:48:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK053				
First Level Reviewer: desjardinsb		Date:	26-Feb-2014 12:25:38		

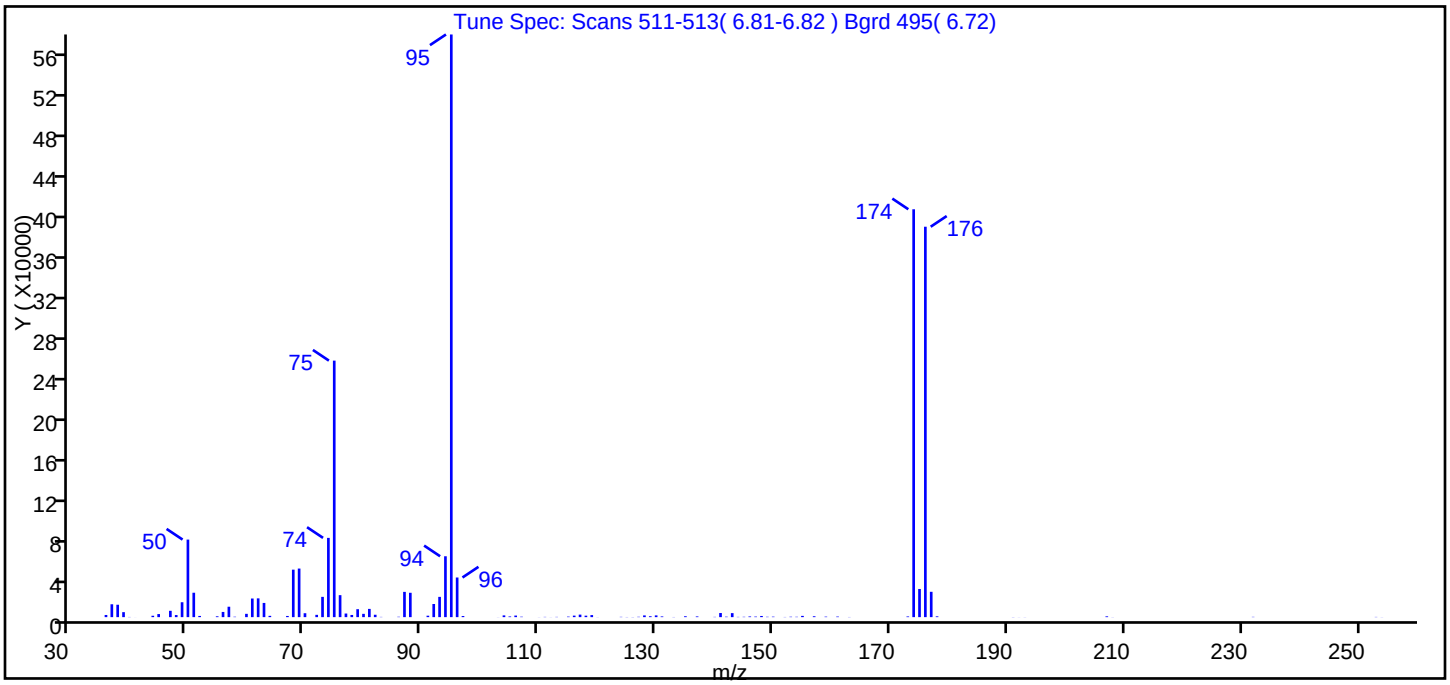
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
24 BFB								
* 43 Chlorobromomethane	128		10.925					
* 54 1,4-Difluorobenzene	114		12.990					
* 76 Chlorobenzene-d5	117		19.133					
$ 87 4-Bromofluorobenzene	95		21.391					

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_01.D
Injection Date: 26-Feb-2014 11:15:30 Instrument ID: CHC.i
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

24 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	13.30
75	30.00 - 66.00% of mass 95	44.00
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.10 (0.20)
174	50.00 - 120.00% of mass 95	70.00
175	4.00 - 9.00% of mass 174	4.80 (6.90)
176	93.00 - 101.00% of mass 174	67.00 (95.70)
177	5.00 - 9.00% of mass 176	4.30 (6.50)

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_01.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 26-Feb-2014 11:15:30
Spectrum: Tune Spec: Scans 511-513(6.81-6.82) Bgrd 495(6.72)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2123	72.00	2261	110.00	74	146.00	679
37.00	12654	73.00	19928	111.00	248	147.00	546
38.00	12183	74.00	77896	112.00	66	148.00	1150
39.00	4906	75.00	252096	113.00	251	149.00	351
40.00	182	76.00	21608	115.00	519	150.00	476
41.00	38	77.00	3554	116.00	1498	152.00	174
44.00	1355	78.00	2140	117.00	2475	153.00	405
45.00	3024	79.00	7816	118.00	1450	154.00	348
47.00	6227	80.00	3244	119.00	2017	155.00	1234
48.00	2050	81.00	8103	120.00	76	157.00	862
49.00	14642	82.00	2346	124.00	287	159.00	498
50.00	76216	83.00	232	125.00	149	161.00	564
51.00	23992	86.00	370	126.00	139	163.00	158
52.00	1189	87.00	24832	127.00	339	173.00	677
55.00	825	88.00	23944	128.00	1701	174.00	400832
56.00	5109	91.00	1415	129.00	873	175.00	27672
57.00	10240	92.00	12921	130.00	1711	176.00	383680
58.00	401	93.00	19920	131.00	698	177.00	24904
60.00	3259	94.00	59832	133.00	155	178.00	788
61.00	18312	95.00	572608	135.00	874	191.00	126
62.00	18456	96.00	38960	137.00	709	192.00	67
63.00	13962	97.00	1080	140.00	256	193.00	83
64.00	1281	103.00	72	141.00	4053	207.00	790
67.00	1158	104.00	1723	142.00	444	208.00	96
68.00	46664	105.00	674	143.00	3940	232.00	283
69.00	47744	106.00	1545	144.00	253	253.00	222
70.00	3853	107.00	434	145.00	336	254.00	83

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_001.D				
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	20-Feb-2014 12:20:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0006246-001				
Misc. Info.:	BFB				
Operator ID:	bl	Instrument ID:	CHG.i		
Method:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	25-Feb-2014 11:43:57	Calib Date:	20-Feb-2014 21:54:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK001				
First Level Reviewer: daiglep		Date:	21-Feb-2014 12:08:35		

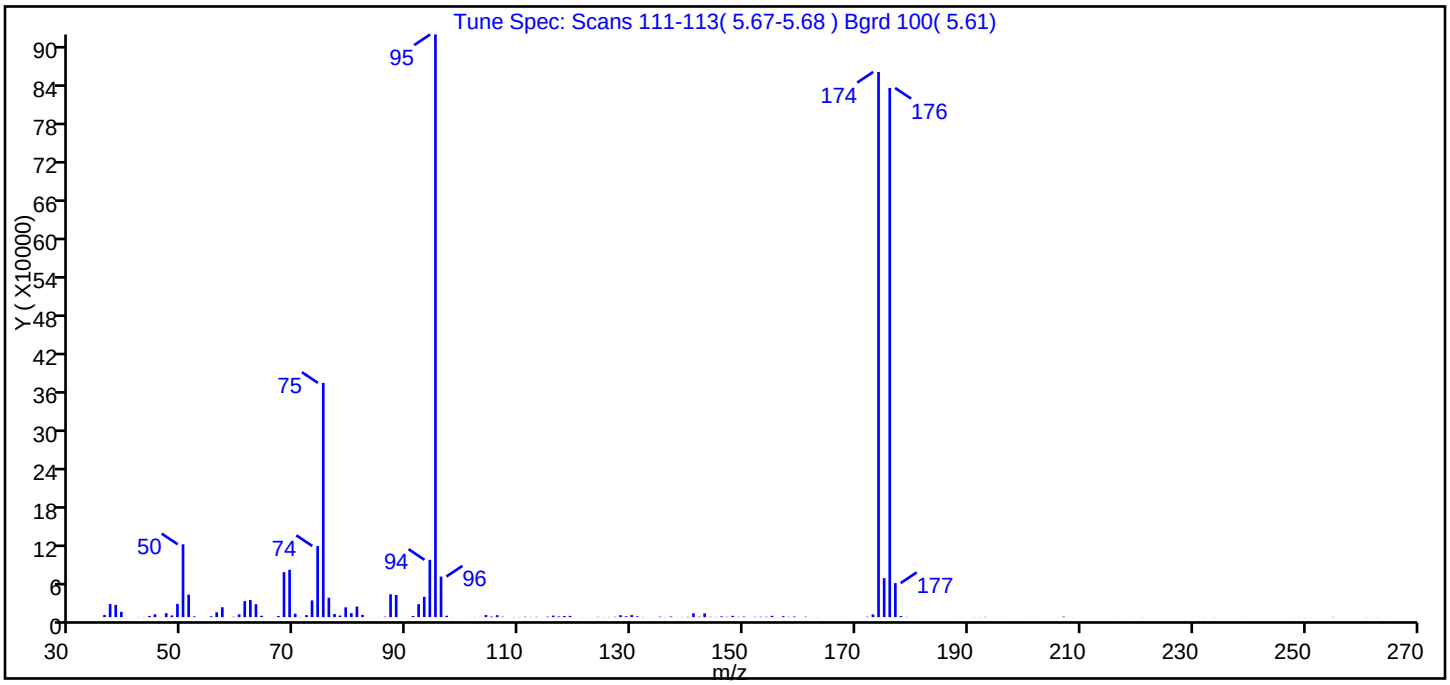
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
13 BFB								
* 43 Chlorobromomethane	128		10.563					
* 54 1,4-Difluorobenzene	114		12.628					
* 76 Chlorobenzene-d5	117		18.786					
$ 87 4-Bromofluorobenzene	95		21.108					

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_001.D
Injection Date: 20-Feb-2014 12:20:30 Instrument ID: CHG.i
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: bl ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_G Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	12.50
75	30.00 - 66.00% of mass 95	40.20
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.50 (0.50)
174	50.00 - 120.00% of mass 95	93.60
175	4.00 - 9.00% of mass 174	6.70 (7.20)
176	93.00 - 101.00% of mass 174	90.80 (97.10)
177	5.00 - 9.00% of mass 176	5.80 (6.40)

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_001.D\TO15_LLNJ_TO3_G.rslt\spectra.d
Injection Date: 20-Feb-2014 12:20:30
Spectrum: Tune Spec: Scans 111-113(5.67-5.68) Bgrd 100(5.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 159

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3367	80.00	6227	125.00	195	168.00	59
37.00	20608	81.00	16712	126.00	363	172.00	676
38.00	19232	82.00	3556	127.00	575	173.00	4259
39.00	8327	83.00	178	128.00	3045	174.00	856768
41.00	49	85.00	149	129.00	1355	175.00	61280
42.00	298	86.00	731	130.00	3272	176.00	831616
43.00	319	87.00	35880	131.00	1265	177.00	53560
44.00	1764	88.00	34824	132.00	326	178.00	1751
45.00	4446	90.00	69	133.00	146	179.00	370
46.00	269	91.00	1887	134.00	141	181.00	55
47.00	6194	92.00	20352	135.00	804	188.00	52
48.00	2629	93.00	31936	136.00	177	189.00	136
49.00	20832	94.00	90080	137.00	969	190.00	53
50.00	114456	95.00	915648	138.00	123	191.00	251
51.00	35448	96.00	63776	139.00	282	192.00	205
52.00	1266	97.00	2130	140.00	506	193.00	416
53.00	82	98.00	139	141.00	5963	195.00	67
55.00	1317	99.00	31	142.00	617	196.00	58
56.00	7593	101.00	56	143.00	5809	201.00	86
57.00	15575	102.00	134	144.00	488	202.00	51
59.00	588	103.00	310	145.00	348	206.00	63
60.00	4442	104.00	3258	146.00	1129	207.00	828
61.00	25168	105.00	904	147.00	492	209.00	114
62.00	26968	106.00	3104	148.00	2079	217.00	78
63.00	20328	107.00	646	149.00	456	219.00	84
64.00	2200	109.00	331	150.00	913	221.00	240
66.00	104	110.00	269	151.00	75	232.00	143
67.00	1801	111.00	660	152.00	499	234.00	165
68.00	70712	112.00	331	153.00	658	239.00	62
69.00	74464	113.00	491	154.00	561	248.00	118
70.00	5419	114.00	50	155.00	2092	249.00	97
71.00	264	115.00	820	156.00	185	250.00	192
72.00	3137	116.00	2432	157.00	1542	251.00	127

Report Date: 25-Feb-2014 11:43:58 Chrom Revision: 2.2 06-Feb-2014 15:19:06
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_001.D\TO15_LLNJ_TO3_G.rslt\spectra.d
Injection Date: 20-Feb-2014 12:20:30
Spectrum: Tune Spec: Scans 111-113(5.67-5.68) Bgrd 100(5.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 159

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	26272	117.00	1125	158.00	421	253.00	13
74.00	111792	118.00	1885	159.00	978	255.00	344
75.00	368128	119.00	1996	161.00	681	261.00	143
76.00	30456	121.00	219	162.00	54	262.00	64
77.00	4870	122.00	206	163.00	132	263.00	140
78.00	2471	123.00	62	165.00	87	265.00	52
79.00	15416	124.00	477	167.00	59		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_001.D				
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	21-Feb-2014 11:00:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0006267-001				
Misc. Info.:	bfb				
Operator ID:	bl	Instrument ID:	CHG.i		
Method:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	24-Feb-2014 11:38:07	Calib Date:	20-Feb-2014 21:54:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK024				

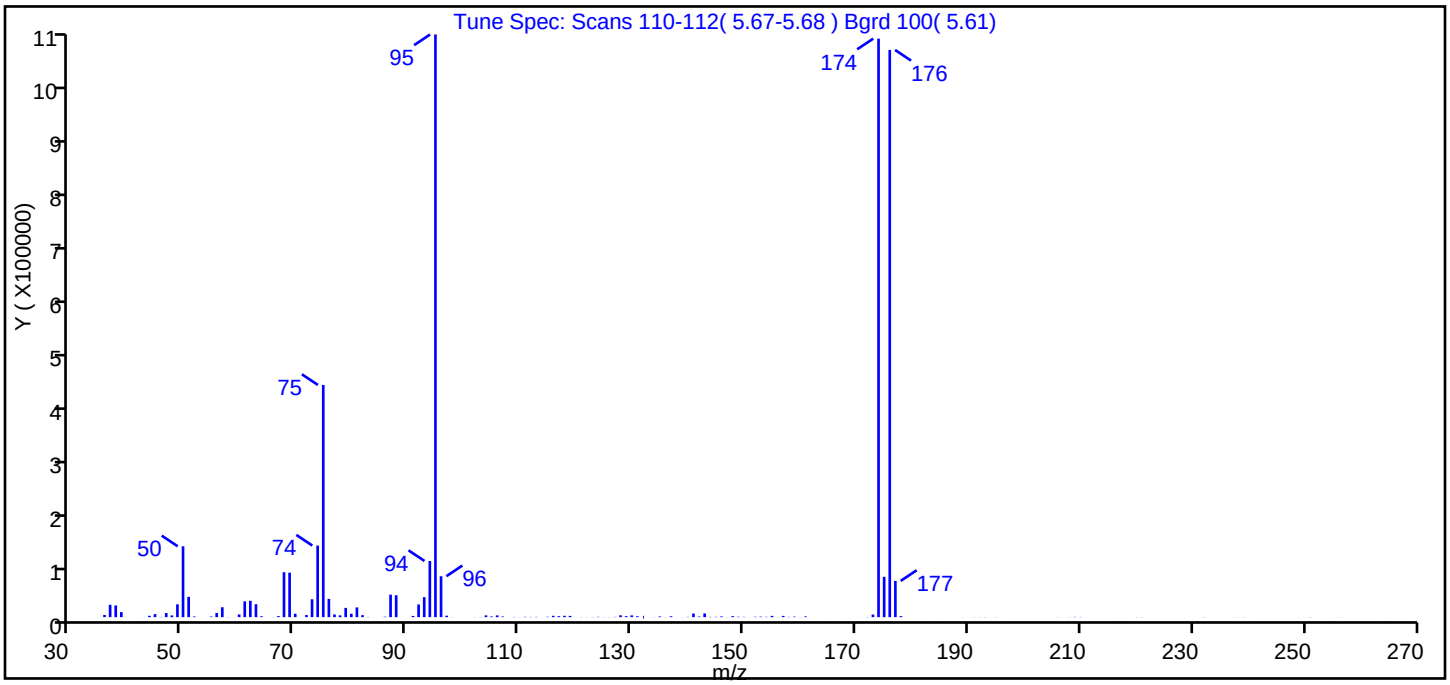
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
13 BFB								
* 43 Chlorobromomethane	128	10.563						
* 54 1,4-Difluorobenzene	114	12.623						
* 76 Chlorobenzene-d5	117	18.786						
$ 87 4-Bromofluorobenzene	95	21.107						

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_001.D
Injection Date: 21-Feb-2014 11:00:30 Instrument ID: CHG.i
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: bl ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_G Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	12.20
75	30.00 - 66.00% of mass 95	39.80
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.40 (0.40)
174	50.00 - 120.00% of mass 95	99.30
175	4.00 - 9.00% of mass 174	6.90 (7.00)
176	93.00 - 101.00% of mass 174	97.30 (98.00)
177	5.00 - 9.00% of mass 176	6.20 (6.40)

Report Date: 24-Feb-2014 11:38:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_001.D\TO15_LLNJ_TO3_G.rslt\spectra.d
Injection Date: 21-Feb-2014 11:00:30
Spectrum: Tune Spec: Scans 110-112(5.67-5.68) Bgrd 100(5.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 156

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	50	80.00	6333	126.00	226	171.00	109
36.00	4048	81.00	17896	127.00	450	172.00	321
37.00	22768	82.00	3634	128.00	3390	173.00	4759
38.00	21584	83.00	338	129.00	1836	174.00	1066496
39.00	9261	84.00	52	130.00	3239	175.00	74368
41.00	44	86.00	794	131.00	1579	176.00	1045632
43.00	135	87.00	41448	132.00	1	177.00	66816
44.00	2480	88.00	40408	133.00	13	178.00	1902
45.00	5529	91.00	2255	134.00	172	183.00	53
46.00	334	92.00	23328	135.00	1232	187.00	83
47.00	7574	93.00	36816	136.00	167	189.00	147
48.00	3108	94.00	103528	137.00	1580	191.00	222
49.00	23608	95.00	1074176	138.00	50	192.00	142
50.00	130592	96.00	75464	139.00	130	193.00	281
51.00	37400	97.00	2680	140.00	508	194.00	27
52.00	1233	98.00	126	141.00	6663	195.00	173
55.00	1122	100.00	52	142.00	1046	196.00	51
56.00	7604	102.00	140	143.00	6854	206.00	130
57.00	18272	103.00	239	144.00	486	208.00	171
58.00	287	104.00	3260	145.00	507	209.00	519
60.00	4980	105.00	1239	146.00	1265	210.00	362
61.00	29128	106.00	3242	147.00	199	216.00	74
62.00	30112	107.00	1124	148.00	1814	218.00	105
63.00	23880	109.00	390	149.00	704	220.00	193
64.00	1629	110.00	187	150.00	530	221.00	252
66.00	91	111.00	617	151.00	73	232.00	285
67.00	1869	112.00	353	152.00	675	234.00	75
68.00	82824	113.00	503	153.00	924	236.00	65
69.00	82016	115.00	621	154.00	613	238.00	140
70.00	6280	116.00	2442	155.00	2324	239.00	138
71.00	50	117.00	1773	156.00	197	241.00	54
72.00	3824	118.00	2482	157.00	2248	247.00	10
73.00	32976	119.00	2323	158.00	444	249.00	94

Report Date: 24-Feb-2014 11:38:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_001.D\TO15_LLNJ_TO3_G.rslt\spectra.d
Injection Date: 21-Feb-2014 11:00:30
Spectrum: Tune Spec: Scans 110-112(5.67-5.68) Bgrd 100(5.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 156

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	131968	120.00	28	159.00	915	251.00	271
75.00	428032	121.00	190	160.00	173	252.00	57
76.00	33712	122.00	91	161.00	1335	255.00	74
77.00	4946	123.00	280	163.00	47	256.00	129
78.00	3250	124.00	565	166.00	65	263.00	56
79.00	17080	125.00	195	169.00	61	265.00	69

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_001.D				
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	25-Feb-2014 11:56:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0006318-001				
Misc. Info.:	BFB				
Operator ID:	bl	Instrument ID:	CHG.i		
Method:	\\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\TO15_LLNJ_TO3_G.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	26-Feb-2014 11:33:21	Calib Date:	20-Feb-2014 21:54:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK053				

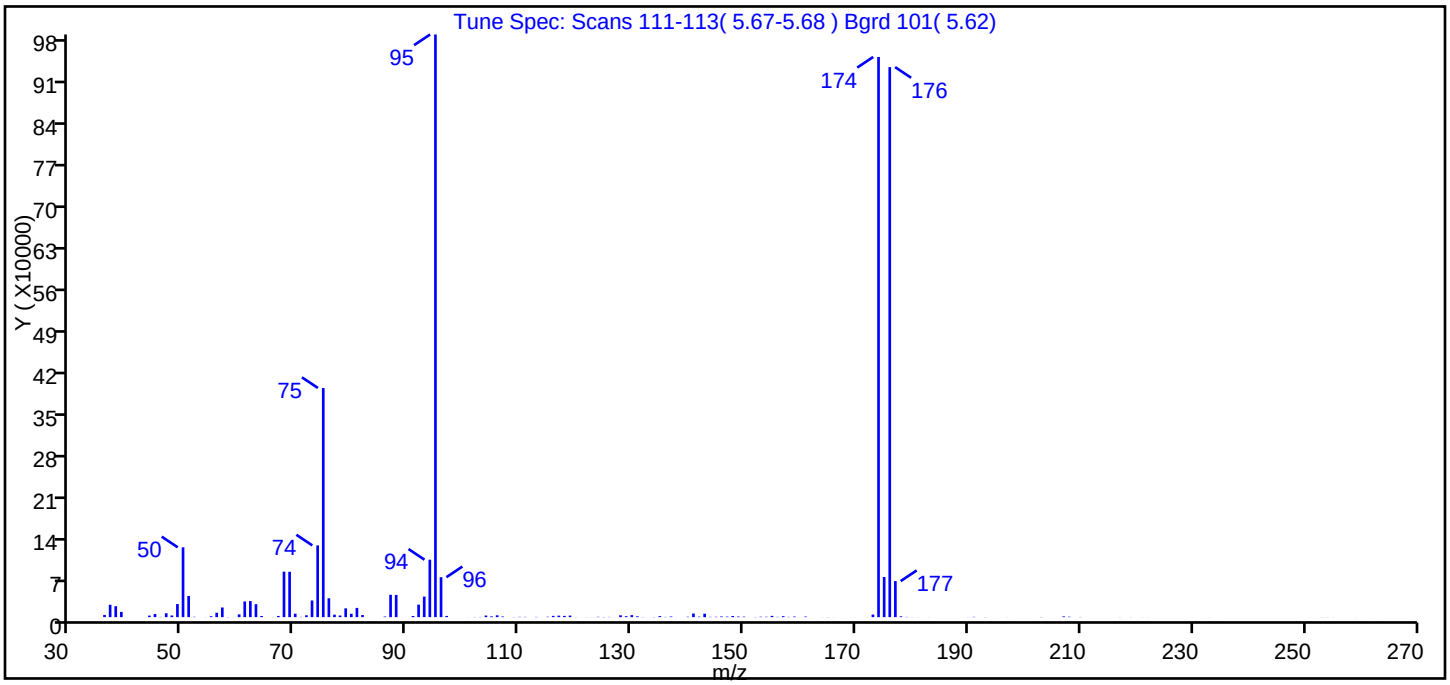
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
13 BFB								
* 43 Chlorobromomethane	128	10.563						
* 54 1,4-Difluorobenzene	114	12.623						
* 76 Chlorobenzene-d5	117	18.791						
$ 87 4-Bromofluorobenzene	95	21.113						

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_001.D
Injection Date: 25-Feb-2014 11:56:30 Instrument ID: CHG.i
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: bl ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_G Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	12.00
75	30.00 - 66.00% of mass 95	39.30
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.40 (0.50)
174	50.00 - 120.00% of mass 95	96.10
175	4.00 - 9.00% of mass 174	6.90 (7.20)
176	93.00 - 101.00% of mass 174	94.40 (98.20)
177	5.00 - 9.00% of mass 176	6.20 (6.60)

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_001.D\TO15_LLNJ_TO3_G.rslt\spectra.d
Injection Date: 25-Feb-2014 11:56:30
Spectrum: Tune Spec: Scans 111-113(5.67-5.68) Bgrd 101(5.62)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 152

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3704	77.00	4136	126.00	370	170.00	64
37.00	20928	78.00	2759	127.00	67	172.00	141
38.00	18528	79.00	14889	128.00	3142	173.00	4340
39.00	8898	80.00	5648	129.00	1561	174.00	946112
40.00	137	81.00	15593	130.00	3371	175.00	67800
43.00	37	82.00	3570	131.00	1386	176.00	928960
44.00	2617	83.00	34	132.00	245	177.00	60920
45.00	5350	86.00	995	134.00	274	178.00	1342
46.00	397	87.00	37760	135.00	1714	179.00	366
47.00	6558	88.00	37520	136.00	355	180.00	136
48.00	2800	91.00	1938	137.00	1022	181.00	107
49.00	22144	92.00	21152	138.00	53	183.00	98
50.00	117936	93.00	34744	140.00	644	190.00	105
51.00	35696	94.00	97000	141.00	6076	191.00	500
52.00	573	95.00	984064	142.00	791	192.00	49
53.00	15	96.00	67408	143.00	5789	193.00	236
54.00	120	97.00	2051	144.00	493	197.00	104
55.00	1554	101.00	101	145.00	614	203.00	278
56.00	7408	102.00	279	146.00	1149	207.00	1245
57.00	16298	103.00	339	147.00	895	208.00	707
58.00	254	104.00	2704	148.00	1922	210.00	308
59.00	61	105.00	1289	149.00	1011	216.00	52
60.00	4630	106.00	3123	150.00	834	217.00	131
61.00	26504	107.00	1053	151.00	78	219.00	119
62.00	27128	109.00	258	152.00	303	221.00	128
63.00	21872	110.00	515	153.00	719	222.00	112
64.00	1932	111.00	456	154.00	642	230.00	57
66.00	111	113.00	382	155.00	2152	233.00	103
67.00	2062	115.00	645	156.00	454	235.00	24
68.00	76816	116.00	2128	157.00	1609	251.00	66
69.00	76656	117.00	2544	158.00	421	253.00	139
70.00	5820	118.00	2136	159.00	981	254.00	170
71.00	432	119.00	2655	160.00	65	255.00	97

Report Date: 26-Feb-2014 11:33:21 Chrom Revision: 2.2 06-Feb-2014 15:19:06
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_001.D\TO15_LLNJ_TO3_G.rslt\spectra.d
Injection Date: 25-Feb-2014 11:56:30
Spectrum: Tune Spec: Scans 111-113(5.67-5.68) Bgrd 101(5.62)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 152

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	3124	120.00	212	161.00	964	256.00	52
73.00	28176	122.00	154	164.00	117	258.00	62
74.00	121144	123.00	129	165.00	202	259.00	60
75.00	387008	124.00	553	166.00	81	261.00	19
76.00	31880	125.00	301	169.00	69	263.00	52

Report Date: 12-Feb-2014 12:46:50 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6099_001.d
Lims ID: BFB Lab Sample ID:
Client ID:
Sample Type: BFB
Inject. Date: 11-Feb-2014 16:00:30 ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006099-001
Misc. Info.: BFB
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 12:46:49 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 12:46:49

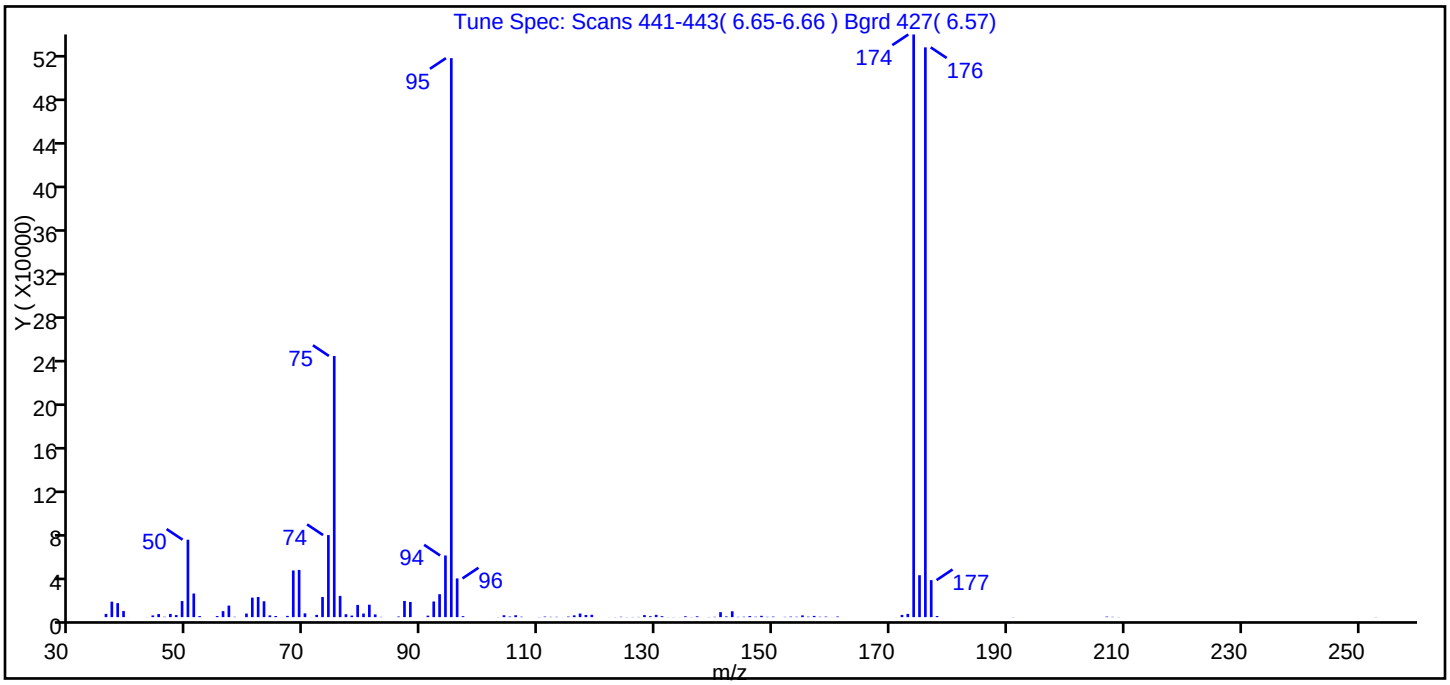
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
13 BFB								
* 43 Chlorobromomethane	128		12.852					
* 54 1,4-Difluorobenzene	114		14.745					
* 76 Chlorobenzene-d5	117		20.443					
$ 87 4-Bromofluorobenzene	95		22.444					

MS Tune Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6099_001.d				
Injection Date:	11-Feb-2014 16:00:30	Instrument ID:	CHW.i		
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Tune Method:	BFB Method TO-15				

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	13.80
75	30.00 - 66.00% of mass 95	46.70
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.60 (0.60)
174	50.00 - 120.00% of mass 95	104.20
175	4.00 - 9.00% of mass 174	7.50 (7.20)
176	93.00 - 101.00% of mass 174	101.90 (97.80)
177	5.00 - 9.00% of mass 176	6.60 (6.50)

Report Date: 12-Feb-2014 12:46:50 Chrom Revision: 2.1 15-Jan-2014 14:06:26

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6099_001.d\TO15_LLNJ_TO3_W_(v1).rslt\spectra.d
Injection Date: 11-Feb-2014 16:00:30
Spectrum: Tune Spec: Scans 441-443(6.65-6.66) Bgrd 427(6.57)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2973	71.00	52	112.00	282	145.00	383
37.00	14243	72.00	2103	113.00	308	146.00	989
38.00	12893	73.00	18496	114.00	51	147.00	384
39.00	5605	74.00	75440	115.00	521	148.00	1222
40.00	37	75.00	240064	116.00	1649	149.00	298
43.00	84	76.00	19544	117.00	3350	150.00	493
44.00	1576	77.00	2681	118.00	1970	152.00	268
45.00	2833	78.00	1433	119.00	2172	153.00	480
46.00	337	79.00	11232	122.00	68	154.00	351
47.00	2955	80.00	3295	123.00	108	155.00	1616
48.00	1917	81.00	11418	124.00	364	156.00	428
49.00	14784	82.00	2494	125.00	134	157.00	1135
50.00	71152	83.00	232	126.00	180	158.00	339
51.00	21728	86.00	559	127.00	203	159.00	498
52.00	969	87.00	14891	128.00	1887	160.00	55
55.00	995	88.00	13928	129.00	835	161.00	581
56.00	5523	91.00	1374	130.00	2115	171.00	54
57.00	10632	92.00	14389	131.00	891	172.00	2014
58.00	324	93.00	21096	132.00	93	173.00	2988
60.00	3313	94.00	56664	133.00	127	174.00	535552
61.00	17928	95.00	513792	134.00	71	175.00	38536
62.00	18520	96.00	35592	135.00	806	176.00	523712
63.00	14591	97.00	911	136.00	144	177.00	34032
64.00	1614	103.00	141	137.00	771	178.00	1020
65.00	1027	104.00	1756	139.00	172	191.00	132
66.00	69	105.00	525	140.00	323	207.00	513
67.00	1159	106.00	1751	141.00	4581	208.00	274
68.00	42896	107.00	391	142.00	643	209.00	124
69.00	43408	110.00	128	143.00	5401	253.00	142
70.00	3488	111.00	507	144.00	274		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_001.d				
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	17-Feb-2014 09:39:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0006171-001				
Misc. Info.:	BFB				
Operator ID:	PAD	Instrument ID:	CHW.i		
Method:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\TO15_LLNJ_TO3_W_(v1).m				
Limit Group:	AI_TO15_ICAL				
Last Update:	18-Feb-2014 11:49:33	Calib Date:	12-Feb-2014 00:55:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK028				

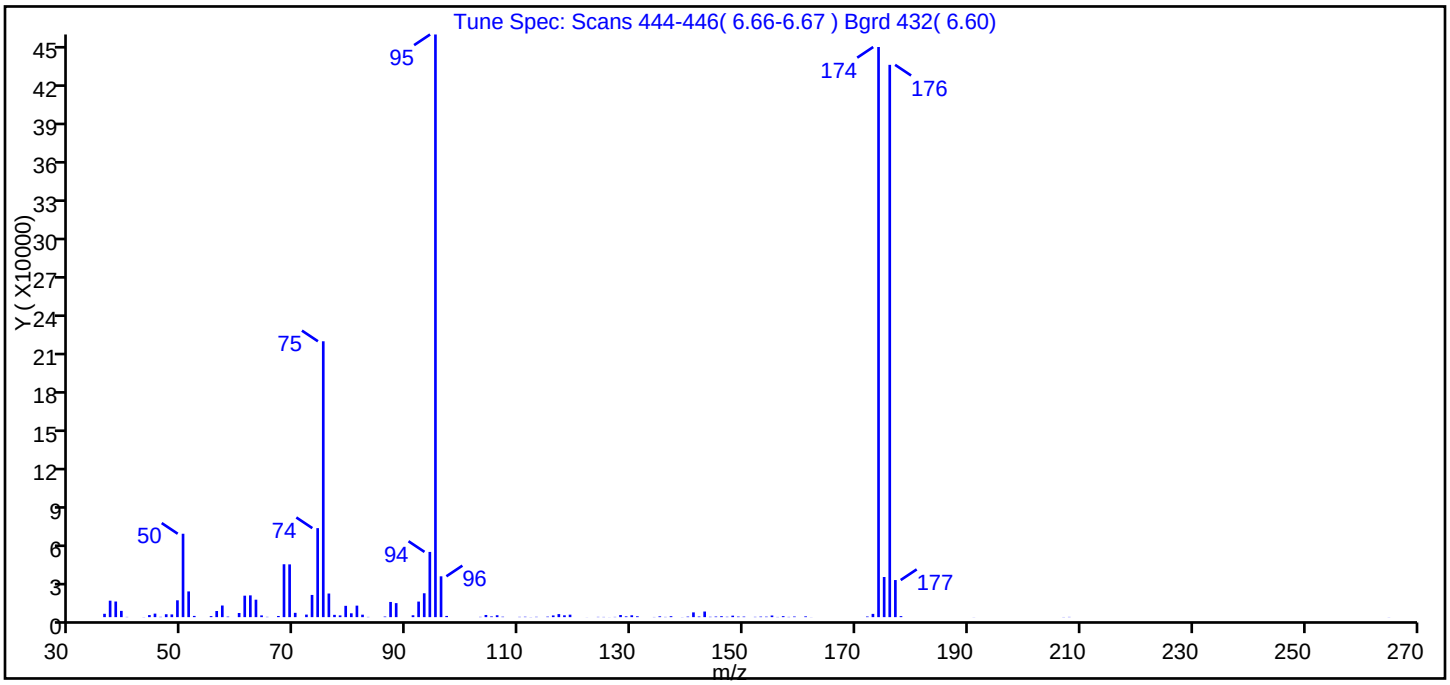
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
13 BFB								
* 43 Chlorobromomethane	128	12.852						
* 54 1,4-Difluorobenzene	114	14.746						
* 76 Chlorobenzene-d5	117	20.443						
$ 87 4-Bromofluorobenzene	95	22.444						

MS Tune Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_001.d				
Injection Date:	17-Feb-2014 09:39:30	Instrument ID:	CHW.i		
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Tune Method:	BFB Method TO-15				

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.30
75	30.00 - 66.00% of mass 95	47.30
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.60 (0.60)
174	50.00 - 120.00% of mass 95	97.80
175	4.00 - 9.00% of mass 174	6.90 (7.00)
176	93.00 - 101.00% of mass 174	94.80 (96.90)
177	5.00 - 9.00% of mass 176	6.40 (6.70)

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_001.d\TO15_LLNJ_TO3_W_(v1).rslt\spectra.d
Injection Date: 17-Feb-2014 09:39:30
Spectrum: Tune Spec: Scans 444-446(6.66-6.67) Bgrd 432(6.60)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 111

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2603	70.00	3341	110.00	229	145.00	471
37.00	12771	72.00	1980	111.00	316	146.00	726
38.00	12130	73.00	17224	112.00	105	147.00	299
39.00	4871	74.00	69056	113.00	258	148.00	1153
40.00	184	75.00	214016	115.00	395	149.00	422
43.00	107	76.00	18328	116.00	1329	150.00	435
44.00	1596	77.00	1776	117.00	2364	152.00	237
45.00	2736	78.00	1351	118.00	1430	153.00	428
46.00	232	79.00	8779	119.00	1912	154.00	379
47.00	2250	80.00	2993	122.00	52	155.00	1269
48.00	2121	81.00	8936	124.00	209	156.00	157
49.00	13067	82.00	1919	125.00	172	157.00	772
50.00	64704	83.00	182	126.00	62	158.00	198
51.00	19960	86.00	467	127.00	195	159.00	487
52.00	953	87.00	11785	128.00	1662	161.00	609
55.00	810	88.00	10877	129.00	593	162.00	69
56.00	4759	91.00	1449	130.00	1452	172.00	500
57.00	9025	92.00	12078	131.00	660	173.00	2530
58.00	421	93.00	18520	134.00	140	174.00	442304
60.00	3213	94.00	50608	135.00	637	175.00	31136
61.00	16656	95.00	452032	136.00	187	176.00	428480
62.00	16896	96.00	31680	137.00	730	177.00	28776
63.00	13540	97.00	935	139.00	91	178.00	781
64.00	1356	103.00	221	140.00	417	191.00	67
65.00	221	104.00	1676	141.00	3697	207.00	120
67.00	899	105.00	570	142.00	468	208.00	182
68.00	41032	106.00	1478	143.00	4353	265.00	73
69.00	40936	107.00	337	144.00	275		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_001.d				
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	24-Feb-2014 10:20:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0006282-001				
Misc. Info.:	BFB				
Operator ID:	bl	Instrument ID:	CHW.i		
Method:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m				
Limit Group:	AI_TO15_ICAL				
Last Update:	24-Feb-2014 10:58:22	Calib Date:	12-Feb-2014 00:55:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK024				
First Level Reviewer: lyonsb		Date:	24-Feb-2014 10:56:58		

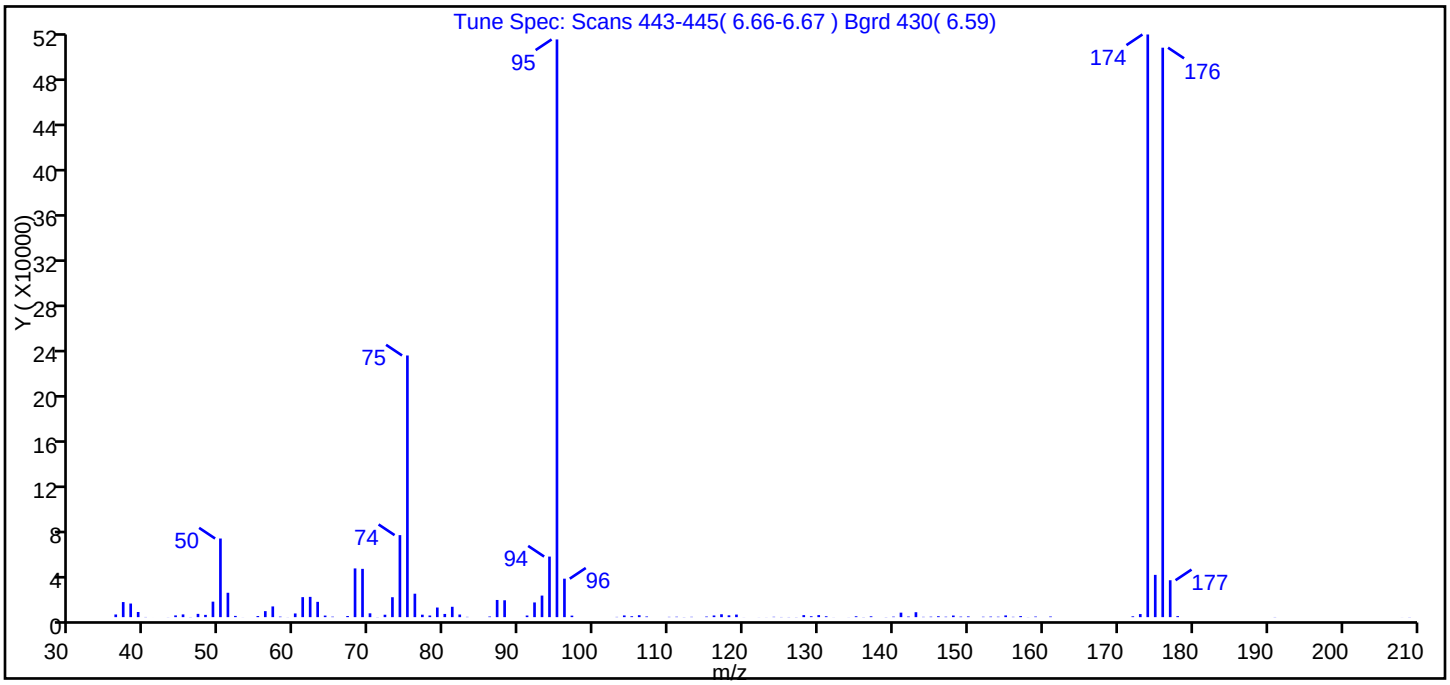
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
13 BFB								
* 43 Chlorobromomethane	128		12.852					
* 54 1,4-Difluorobenzene	114		14.745					
* 76 Chlorobenzene-d5	117		20.443					
$ 87 4-Bromofluorobenzene	95		22.444					

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_001.d
Injection Date: 24-Feb-2014 10:20:30 Instrument ID: CHW.i
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: bl ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	13.60
75	30.00 - 66.00% of mass 95	45.30
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.50 (0.50)
174	50.00 - 120.00% of mass 95	100.90
175	4.00 - 9.00% of mass 174	7.30 (7.30)
176	93.00 - 101.00% of mass 174	98.60 (97.70)
177	5.00 - 9.00% of mass 176	6.40 (6.50)

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_001.d\TO15_LLNJ_TO3_W_(v1).rslt\spectra.d
Injection Date: 24-Feb-2014 10:20:30
Spectrum: Tune Spec: Scans 443-445(6.66-6.67) Bgrd 430(6.59)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 116

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2371	68.00	43416	106.00	1733	141.00	4005
37.00	13432	69.00	43024	107.00	588	142.00	517
38.00	12120	70.00	3412	110.00	252	143.00	4393
39.00	4583	71.00	110	111.00	362	144.00	267
40.00	160	72.00	2150	112.00	122	145.00	411
41.00	11	73.00	17744	113.00	280	146.00	814
43.00	75	74.00	73080	115.00	520	147.00	375
44.00	1538	75.00	233152	116.00	1482	148.00	1441
45.00	2437	76.00	20888	117.00	2567	149.00	456
46.00	134	77.00	2189	118.00	1626	150.00	633
47.00	2922	78.00	1460	119.00	2280	152.00	355
48.00	2017	79.00	8574	120.00	52	153.00	480
49.00	13809	80.00	2864	122.00	55	154.00	376
50.00	70056	81.00	9228	123.00	60	155.00	1525
51.00	21720	82.00	2326	124.00	298	156.00	284
52.00	1107	83.00	245	125.00	144	157.00	932
53.00	50	86.00	555	126.00	138	158.00	87
55.00	977	87.00	15298	127.00	115	159.00	522
56.00	5348	88.00	15020	128.00	1795	161.00	545
57.00	9549	91.00	1446	129.00	780	172.00	738
58.00	428	92.00	13099	130.00	1815	173.00	2734
59.00	73	93.00	19216	131.00	795	174.00	519168
60.00	3285	94.00	53968	132.00	60	175.00	37664
61.00	17816	95.00	514752	134.00	61	176.00	507392
62.00	18064	96.00	34280	135.00	783	177.00	32880
63.00	13632	97.00	1352	136.00	125	178.00	892
64.00	1392	103.00	217	137.00	732	191.00	137
65.00	412	104.00	1512	139.00	124	208.00	40
67.00	1006	105.00	797	140.00	453	209.00	113

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68420/4

Matrix: Air Lab File ID: 6171_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 12:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50	U	0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.20	U	0.20	0.030
76-13-1	Freon 113	187.38	0.20	U	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.0	U	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68420/4

Matrix: Air Lab File ID: 6171_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 12:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.20	U	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.023
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68420/4

Matrix: Air Lab File ID: 6171_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 12:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68420/4

Matrix: Air Lab File ID: 6171_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 12:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	U	2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.1	U	1.1	0.17
76-13-1	Freon 113	187.38	1.5	U	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12	U	12	3.0
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68420/4

Matrix: Air Lab File ID: 6171_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 12:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.10
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68420/4

Matrix: Air Lab File ID: 6171_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 12:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_004.d
Lims ID: MB Lab Sample ID: MB 200-68420/4-A
Client ID:
Sample Type: MB
Inject. Date: 17-Feb-2014 12:41:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006171-004
Misc. Info.: MB
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Feb-2014 11:49:34 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: lyonsb Date: 17-Feb-2014 14:00:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
3 Difluoroethane TIC	51		3.150					
4 Chlorotrifluoroethene TIC	116		3.162					
5 Freon 115 TIC	85		3.180					
1 Propene	41		4.378					
2 Dichlorodifluoromethane	85		4.474					
6 Chlorodifluoromethane	51		4.538					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.827					
8 Chloromethane	50		5.020					
9 Butane	43		5.287					
10 Vinyl chloride	62		5.341					
11 Butadiene	54		5.442					
20 1,1,1-Trifluoro-2,2-dichloroetha	83		6.000					
12 Bromomethane	94		6.309					
14 Chloroethane	64		6.593					
15 2-Methylbutane	43		6.684					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
28 Methyl Acetate TIC	43		7.200					
18 Pentane	43		7.352					
19 Ethanol	45		7.802					
21 Ethyl ether	59		7.941					
22 Acrolein	56		8.401					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.438					
24 1,1-Dichloroethene	96		8.513					
25 Acetone	43		8.749					
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.027					
29 3-Chloro-1-propene	41		9.407					
30 Acetonitrile	41		9.530					
31 Methylene Chloride	49		9.733					
32 2-Methyl-2-propanol	59		9.904					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	33 Methyl tert-butyl ether	73		10.155					
S	41 1,2-Dichloroethene, Total	61		10.200					
	34 trans-1,2-Dichloroethene	61		10.230					
	35 Acrylonitrile	53		10.386					
	36 Hexane	57		10.648					
	37 1,1-Dichloroethane	63		11.199					
	38 Vinyl acetate	43		11.236					
	49 Methyl cyclohexane TIC	55		11.500					
	39 cis-1,2-Dichloroethene	96		12.376					
	40 2-Butanone (MEK)	72		12.392					
	42 Ethyl acetate	88		12.408					
	44 Tetrahydrofuran	42		12.852					
*	43 Chlorobromomethane	128	12.857	12.852	0.005	69	391869	10.0	
	45 Chloroform	83		12.964					
	46 Cyclohexane	84		13.258					
	47 1,1,1-Trichloroethane	97		13.280					
	48 Carbon tetrachloride	117		13.531					
	51 Isooctane	57		13.927					
	50 Benzene	78		13.986					
	52 1,2-Dichloroethane	62		14.141					
	53 n-Heptane	43		14.275					
*	54 1,4-Difluorobenzene	114	14.745	14.746	-0.001	93	1876819	10.0	
A	57 GRO	1	14.770	6.674 -	22.866	0	564072	0	
	55 n-Butanol	56		15.024					
	56 Trichloroethene	95		15.206					
	58 1,2-Dichloropropane	63		15.730					
	59 Methyl methacrylate	69		15.810					
	60 1,4-Dioxane	88		15.901					
	61 Dibromomethane	174		15.971					
	62 Dichlorobromomethane	83		16.222					
A	63 TVOC as Toluene	1	16.629	4.368 -	28.889	0	1071080	7.87	
	64 cis-1,3-Dichloropropene	75		17.083					
	65 4-Methyl-2-pentanone (MIBK)	43		17.319					
	69 n-Octane	43		17.656					
A	68 C8 Range	1	17.656	17.606	-17.706	0	4169	NC	
	66 Toluene	92		17.661					
A	67 Toluene Range	1	17.661	17.621	-17.701	0	4169	NC	
	70 trans-1,3-Dichloropropene	75		18.191					
	71 1,1,2-Trichloroethane	83		18.560					
	72 Tetrachloroethene	166		18.694					
	73 2-Hexanone	43		18.950					
	81 1,2-Dibromo-3-Chloropropane TIC	75		19.300					
	74 Chlorodibromomethane	129		19.314					
	75 Ethylene Dibromide	107		19.598					
S	82 Xylenes, Total	106		20.100					
*	76 Chlorobenzene-d5	117	20.443	20.443	0.0	84	1583123	10.0	
	77 Chlorobenzene	112		20.496					
	78 Ethylbenzene	91		20.614					
	79 n-Nonane	57		20.673					
	80 m-Xylene & p-Xylene	106		20.833					
	83 o-Xylene	106		21.545					
	84 Styrene	104		21.582					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	85 Bromoform	173		21.962					
	86 Isopropylbenzene	105		22.112					
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	983471	NC	
	88 1,1,2,2-Tetrachloroethane	83		22.668					
	90 N-Propylbenzene	91		22.743					
	89 1,2,3-Trichloropropane	75		22.770					
	93 n-Decane	57		22.856					
	91 4-Ethyltoluene	105		22.909					
	92 2-Chlorotoluene	91		22.941					
	94 1,3,5-Trimethylbenzene	105		23.000					
	95 Alpha Methyl Styrene	118		23.353					
	96 tert-Butylbenzene	119		23.476					
	97 1,2,4-Trimethylbenzene	105		23.573					
	98 sec-Butylbenzene	105		23.808					
	99 4-Isopropyltoluene	119		24.011					
	100 1,3-Dichlorobenzene	146		24.081					
	101 1,4-Dichlorobenzene	146		24.225					
	102 Benzyl chloride	91		24.434					
	104 Undecane	57		24.626					
	103 n-Butylbenzene	91		24.653					
	105 1,2-Dichlorobenzene	146		24.830					
	106 Dodecane	57		26.435					
	107 1,2,4-Trichlorobenzene	180		27.724					
	108 Hexachlorobutadiene	225		27.927					
	109 Naphthalene	128		28.312					
	110 1,2,3-Trichlorobenzene	180		28.879					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

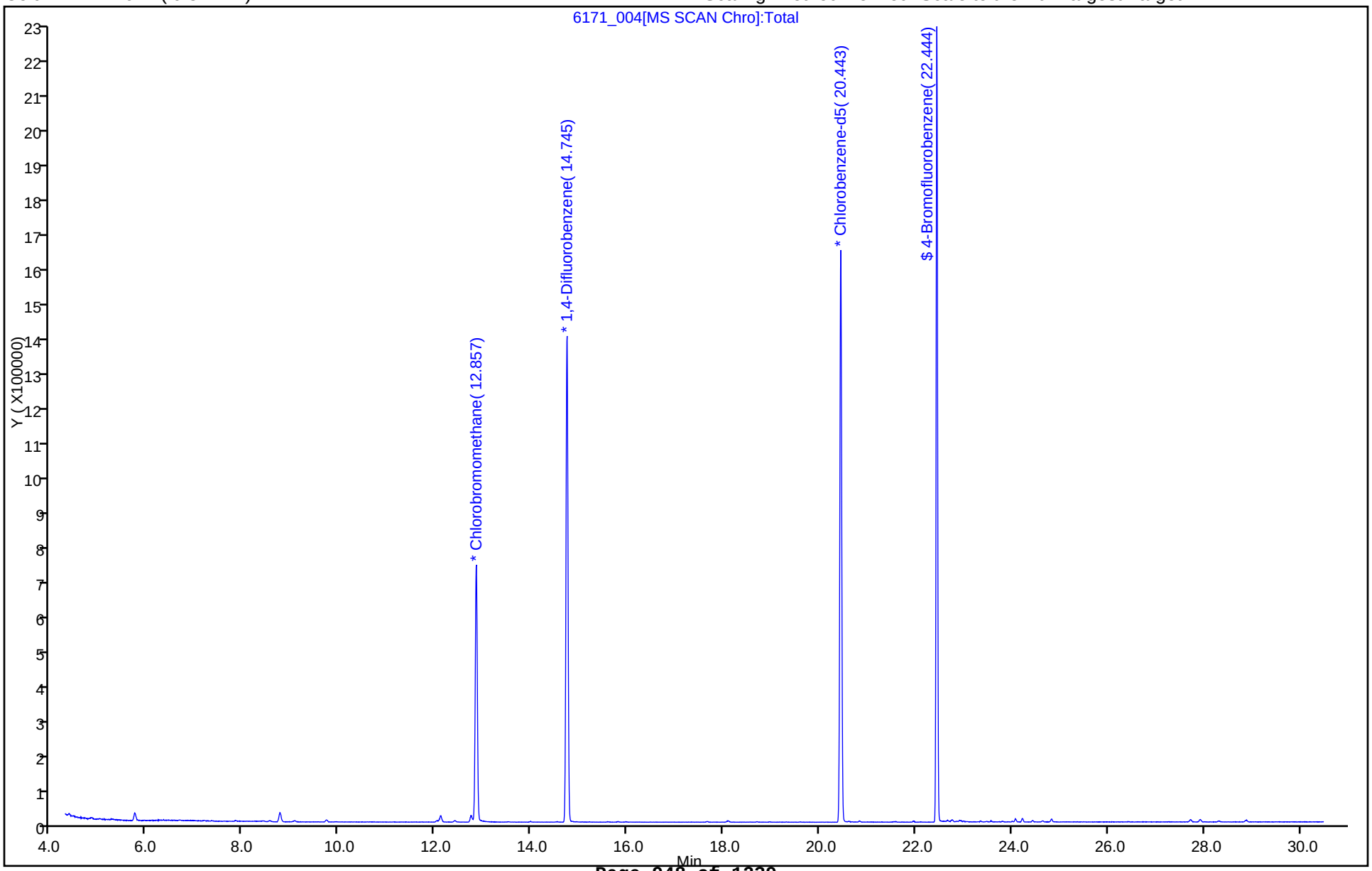
Report Date: 18-Feb-2014 11:49:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_004.d

Injection Date:	17-Feb-2014 12:41:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	MB	Lab Sample ID:	MB 200-68420/4-A	Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68679/4

Matrix: Air Lab File ID: 6267_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50	U	0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.20	U	0.20	0.030
76-13-1	Freon 113	187.38	0.20	U	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.0	U	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68679/4

Matrix: Air Lab File ID: 6267_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.20	U	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.023
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68679/4

Matrix: Air Lab File ID: 6267_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68679/4

Matrix: Air Lab File ID: 6267_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	U	2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.1	U	1.1	0.17
76-13-1	Freon 113	187.38	1.5	U	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12	U	12	3.0
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68679/4

Matrix: Air Lab File ID: 6267_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.10
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68679/4

Matrix: Air Lab File ID: 6267_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_004.D
Lims ID: MB Lab Sample ID: MB 200-68745/4-A
Client ID:
Sample Type: MB
Inject. Date: 21-Feb-2014 13:23:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006267-004
Misc. Info.: mb
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:38:08 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		3.057					
2 Dichlorodifluoromethane	85		3.127					
3 Difluoroethane TIC	51		3.150					
4 Chlorotrifluoroethene TIC	116		3.162					
5 Freon 115 TIC	85		3.180					
6 Chlorodifluoromethane	51		3.181					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.405					
8 Chloromethane	50		3.539					
9 Butane	43		3.758					
10 Vinyl chloride	62		3.796					
11 Butadiene	54		3.876					
12 Bromomethane	94		4.577					
14 Chloroethane	64		4.828					
15 2-Methylbutane	43		4.919					
16 Vinyl bromide	106		5.229					
17 Trichlorofluoromethane	101		5.347					
18 Pentane	43		5.508					
19 Ethanol	45		5.925					
20 1,1,1-Trifluoro-2,2-dichloroetha	83		6.000					
21 Ethyl ether	59		6.037					
22 Acrolein	56		6.406					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.476					
24 1,1-Dichloroethene	96		6.497					
25 Acetone	43		6.717					
26 Carbon disulfide	76		6.883					
27 Isopropyl alcohol	45		7.038					
28 Methyl Acetate TIC	43		7.200					
29 3-Chloro-1-propene	41		7.300					
30 Acetonitrile	41		7.401					
31 Methylene Chloride	49		7.599					
32 2-Methyl-2-propanol	59		7.835					
33 Methyl tert-butyl ether	73		8.038					

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
34 trans-1,2-Dichloroethene		61		8.059					
35 Acrylonitrile		53		8.182					
36 Hexane		57		8.493					
37 1,1-Dichloroethane		63		8.947					
38 Vinyl acetate		43		9.044					
39 cis-1,2-Dichloroethene		96		10.087					
40 2-Butanone (MEK)		72		10.135					
S 41 1,2-Dichloroethene, Total		61		10.200					
42 Ethyl acetate		88		10.215					
* 43 Chlorobromomethane		128	10.558	10.563	-0.005	68	686763	10.0	
44 Tetrahydrofuran		42		10.579					
45 Chloroform		83		10.702					
46 Cyclohexane		84		10.991					
47 1,1,1-Trichloroethane		97		11.002					
48 Carbon tetrachloride		117		11.269					
49 Methyl cyclohexane TIC		55		11.500					
50 Benzene		78		11.740					
51 Isooctane		57		11.761					
52 1,2-Dichloroethane		62		11.911					
53 n-Heptane		43		12.168					
* 54 1,4-Difluorobenzene		114	12.623	12.623	0.0	91	3980816	10.0	
55 n-Butanol		56		13.019					
56 Trichloroethene		95		13.110					
A 57 GRO		1	13.294	4.909 -	21.679	0	1156155	0	
58 1,2-Dichloropropane		63		13.682					
59 Methyl methacrylate		69		13.880					
60 1,4-Dioxane		88		13.917					
61 Dibromomethane		174		13.939					
62 Dichlorobromomethane		83		14.249					
A 63 TVOC as Toluene		1	15.022	3.047 -	26.997	0	1317987	4.52	
64 cis-1,3-Dichloropropene		75		15.228					
65 4-Methyl-2-pentanone (MIBK)		43		15.528					
66 Toluene		92		15.849					
A 67 Toluene Range		1	15.849	15.809	-15.889	0	7729	NC	
69 n-Octane		43		15.961					
A 68 C8 Range		1	15.966	15.911	-16.011	0	10250	NC	
70 trans-1,3-Dichloropropene		75		16.437					
71 1,1,2-Trichloroethane		83		16.812					
72 Tetrachloroethene		166		16.961					
73 2-Hexanone		43		17.282					
74 Chlorodibromomethane		129		17.587					
75 Ethylene Dibromide		107		17.860					
* 76 Chlorobenzene-d5		117	18.786	18.786	0.0	81	3816866	10.0	
77 Chlorobenzene		112		18.844					
78 Ethylbenzene		91		19.016					
79 n-Nonane		57		19.181					
80 m-Xylene & p-Xylene		106		19.272					
81 1,2-Dibromo-3-Chloropropane TIC		75		19.300					
S 82 Xylenes, Total		106		20.100					
83 o-Xylene		106		20.102					
84 Styrene		104		20.144					
85 Bromoform		173		20.530					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	86 Isopropylbenzene	105		20.765					
$	87 4-Bromofluorobenzene	95	21.113	21.107	0.006	98	1697944		NC
	88 1,1,2,2-Tetrachloroethane	83		21.364					
	89 1,2,3-Trichloropropane	75		21.460					
	90 N-Propylbenzene	91		21.471					
	92 2-Chlorotoluene	91		21.653					
	91 4-Ethyltoluene	105		21.653					
	93 n-Decane	57		21.669					
	94 1,3,5-Trimethylbenzene	105		21.760					
	95 Alpha Methyl Styrene	118		22.113					
	96 tert-Butylbenzene	119		22.242					
	97 1,2,4-Trimethylbenzene	105		22.332					
	98 sec-Butylbenzene	105		22.562					
	99 4-Isopropyltoluene	119		22.760					
	100 1,3-Dichlorobenzene	146		22.776					
	101 1,4-Dichlorobenzene	146		22.910					
	102 Benzyl chloride	91		23.103					
	103 n-Butylbenzene	91		23.338					
	104 Undecane	57		23.381					
	105 1,2-Dichlorobenzene	146		23.451					
	106 Dodecane	57		25.007					
	107 1,2,4-Trichlorobenzene	180		26.013					
	108 Hexachlorobutadiene	225		26.227					
	109 Naphthalene	128		26.505					
	110 1,2,3-Trichlorobenzene	180		26.987					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

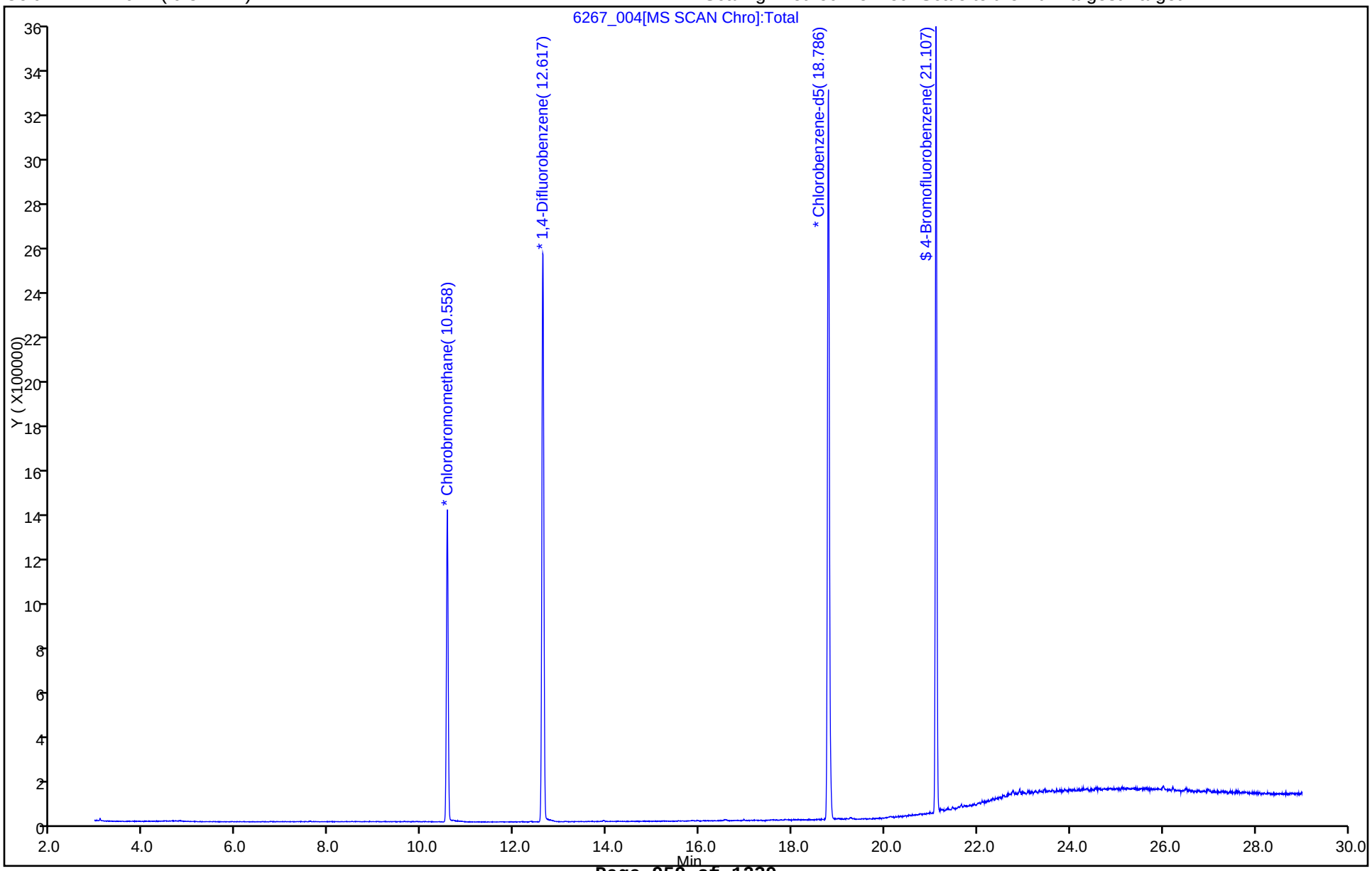
Report Date: 24-Feb-2014 11:38:11 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_004.D

Injection Date:	21-Feb-2014 13:23:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	MB	Lab Sample ID:	MB 200-68745/4-A	Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68730/4

Matrix: Air Lab File ID: 6282_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 13:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50	U	0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.20	U	0.20	0.030
76-13-1	Freon 113	187.38	0.20	U	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.0	U	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68730/4

Matrix: Air Lab File ID: 6282_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 13:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.20	U	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.023
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.0272	J	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.0353	J	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68730/4

Matrix: Air Lab File ID: 6282_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 13:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68730/4

Matrix: Air Lab File ID: 6282_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 13:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	U	2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.1	U	1.1	0.17
76-13-1	Freon 113	187.38	1.5	U	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12	U	12	3.0
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68730/4

Matrix: Air Lab File ID: 6282_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 13:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.10
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	0.163	J	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	0.212	J	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68730/4

Matrix: Air Lab File ID: 6282_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 13:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_004.d
Lims ID: MB Lab Sample ID: MB 200-68730/4-A
Client ID:
Sample Type: MB
Inject. Date: 24-Feb-2014 13:46:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006282-004
Misc. Info.: MB
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:16:21 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 25-Feb-2014 11:14:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
3 Difluoroethane TIC	51		3.150					
4 Chlorotrifluoroethene TIC	116		3.162					
5 Freon 115 TIC	85		3.180					
1 Propene	41		4.367					
2 Dichlorodifluoromethane	85		4.463					
6 Chlorodifluoromethane	51		4.528					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.816					
8 Chloromethane	50		5.009					
9 Butane	43		5.276					
10 Vinyl chloride	62		5.335					
11 Butadiene	54		5.432					
20 1,1,1-Trifluoro-2,2-dichloroetha	83		6.000					
12 Bromomethane	94		6.298					
14 Chloroethane	64		6.587					
15 2-Methylbutane	43		6.673					
16 Vinyl bromide	106		7.063					
17 Trichlorofluoromethane	101		7.181					
28 Methyl Acetate TIC	43		7.200					
18 Pentane	43		7.347					
19 Ethanol	45		7.796					
21 Ethyl ether	59		7.935					
22 Acrolein	56		8.395					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.433					
24 1,1-Dichloroethene	96		8.508					
25 Acetone	43		8.743					
26 Carbon disulfide	76		8.995					
27 Isopropyl alcohol	45		9.027					
29 3-Chloro-1-propene	41		9.401					
30 Acetonitrile	41		9.530					
31 Methylene Chloride	49		9.727					
32 2-Methyl-2-propanol	59		9.904					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	33 Methyl tert-butyl ether	73		10.155						
S	41 1,2-Dichloroethene, Total	61		10.200						
	34 trans-1,2-Dichloroethene	61		10.230						
	35 Acrylonitrile	53		10.380						
	36 Hexane	57		10.648						
	37 1,1-Dichloroethane	63		11.193						
	38 Vinyl acetate	43		11.236						
	49 Methyl cyclohexane TIC	55		11.500						
	39 cis-1,2-Dichloroethene	96		12.370						
	40 2-Butanone (MEK)	72		12.386						
	42 Ethyl acetate	88		12.408						
	44 Tetrahydrofuran	42		12.846						
*	43 Chlorobromomethane	128	12.852	12.857	-0.005	69	450039		10.0	
	45 Chloroform	83		12.964						
	46 Cyclohexane	84		13.258						
	47 1,1,1-Trichloroethane	97		13.274						
	48 Carbon tetrachloride	117		13.531						
	51 Isooctane	57		13.922						
	50 Benzene	78		13.980						
	52 1,2-Dichloroethane	62		14.141						
	53 n-Heptane	43		14.269						
*	54 1,4-Difluorobenzene	114	14.740	14.745	-0.005	92	2201278		10.0	
A	57 GRO	1	14.764	6.663 -	22.866	0	351444		0	
	55 n-Butanol	56		15.024						
	56 Trichloroethene	95		15.206						
	58 1,2-Dichloropropane	63		15.730						
	59 Methyl methacrylate	69		15.810						
	60 1,4-Dioxane	88		15.901						
	61 Dibromomethane	174		15.971						
	62 Dichlorobromomethane	83		16.217						
A	63 TVOC as Toluene	1	16.623	4.357 -	28.889	0	789450		4.95	
	64 cis-1,3-Dichloropropene	75		17.083						
	65 4-Methyl-2-pentanone (MIBK)	43		17.319						
	69 n-Octane	43		17.656						
A	68 C8 Range	1	17.670	17.634	-17.706	0	3051	NC		
	66 Toluene	92		17.656						
A	67 Toluene Range	1	17.656	17.616	-17.696	0	7519	NC		
	70 trans-1,3-Dichloropropene	75		18.191						
	71 1,1,2-Trichloroethane	83		18.554						
	72 Tetrachloroethene	166		18.699						
	73 2-Hexanone	43		18.945						
	81 1,2-Dibromo-3-Chloropropane TIC	75		19.300						
	74 Chlorodibromomethane	129		19.314						
	75 Ethylene Dibromide	107		19.598						
S	82 Xylenes, Total	106		20.100						
*	76 Chlorobenzene-d5	117	20.443	20.443	0.0	83	1928409		10.0	
	77 Chlorobenzene	112		20.496						
	78 Ethylbenzene	91		20.614						
	79 n-Nonane	57		20.673						
	80 m-Xylene & p-Xylene	106		20.833						
	83 o-Xylene	106		21.545						
	84 Styrene	104		21.582						

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	85 Bromoform	173		21.957						
	86 Isopropylbenzene	105		22.107						
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1247711	NC		
	88 1,1,2,2-Tetrachloroethane	83		22.668						
	90 N-Propylbenzene	91		22.743						
	89 1,2,3-Trichloropropane	75		22.770						
	93 n-Decane	57		22.856						
	91 4-Ethyltoluene	105		22.909						
	92 2-Chlorotoluene	91		22.941						
	94 1,3,5-Trimethylbenzene	105		23.000						
	95 Alpha Methyl Styrene	118		23.348						
	96 tert-Butylbenzene	119		23.476						
	97 1,2,4-Trimethylbenzene	105		23.567						
	98 sec-Butylbenzene	105		23.808						
	99 4-Isopropyltoluene	119		24.011						
	100 1,3-Dichlorobenzene	146	24.081	24.081	0.0	62	7447	0.0272		7
	101 1,4-Dichlorobenzene	146	24.220	24.225	-0.005	61	9008	0.0353		
	102 Benzyl chloride	91		24.434						
	104 Undecane	57		24.626						
	103 n-Butylbenzene	91		24.648						
	105 1,2-Dichlorobenzene	146		24.830						
	106 Dodecane	57		26.435						
	107 1,2,4-Trichlorobenzene	180		27.729						
	108 Hexachlorobutadiene	225		27.932						
	109 Naphthalene	128		28.312						
	110 1,2,3-Trichlorobenzene	180		28.879						

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

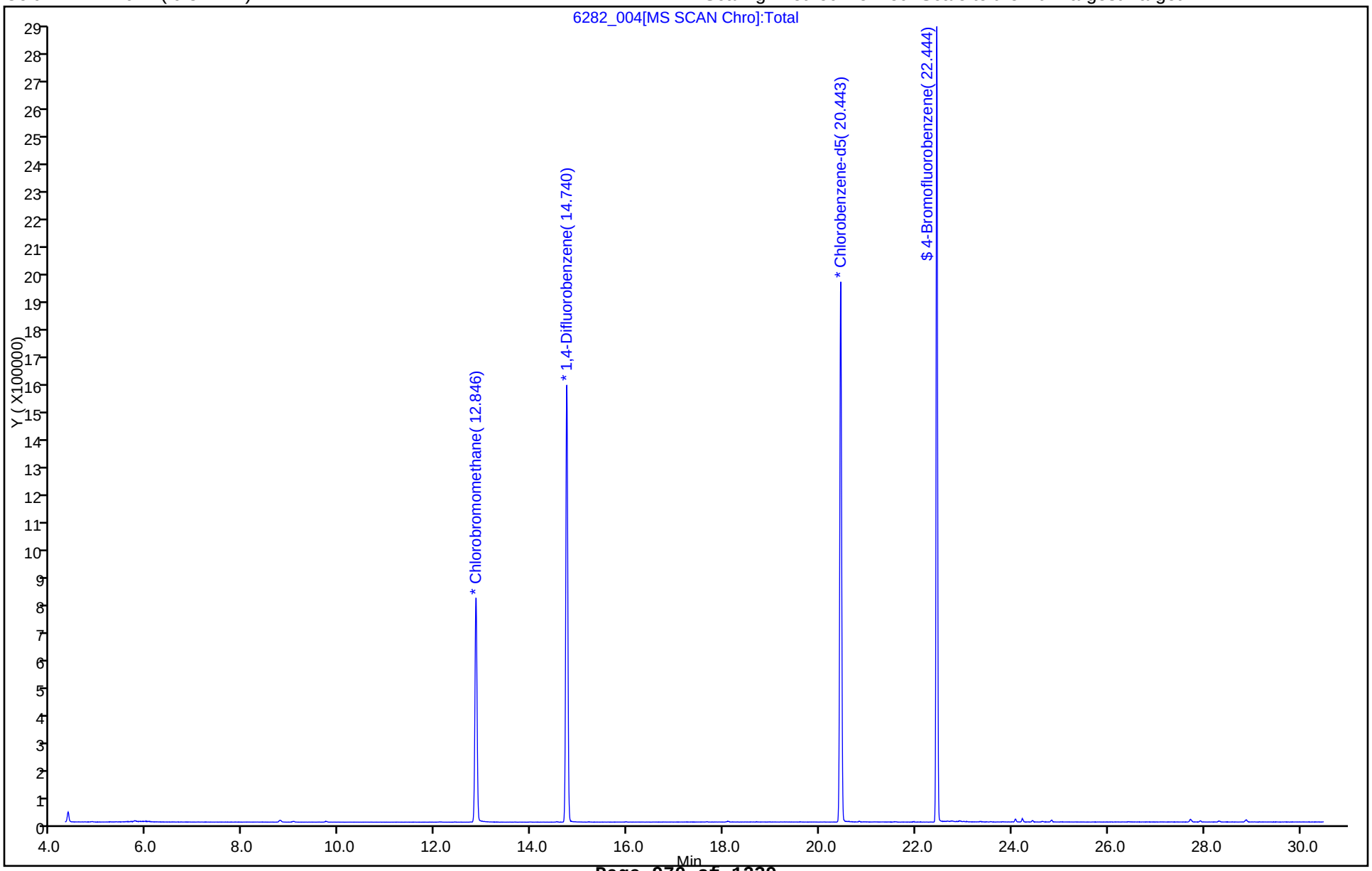
Report Date: 25-Feb-2014 11:17:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_004.d

Injection Date:	24-Feb-2014 13:46:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	MB	Lab Sample ID:	MB 200-68730/4-A	Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



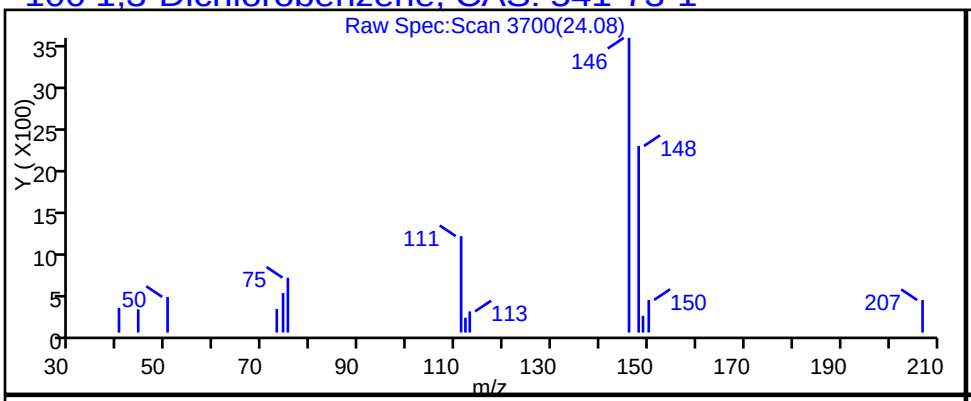
Report Date: 25-Feb-2014 11:17:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

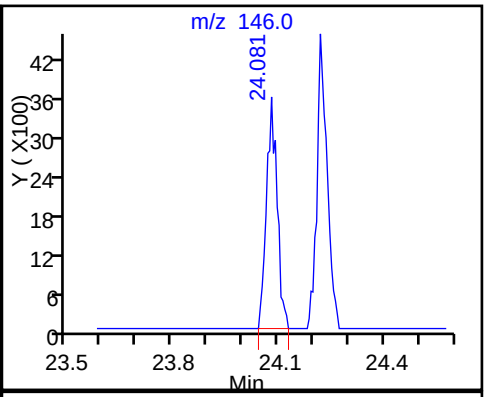
TestAmerica Burlington

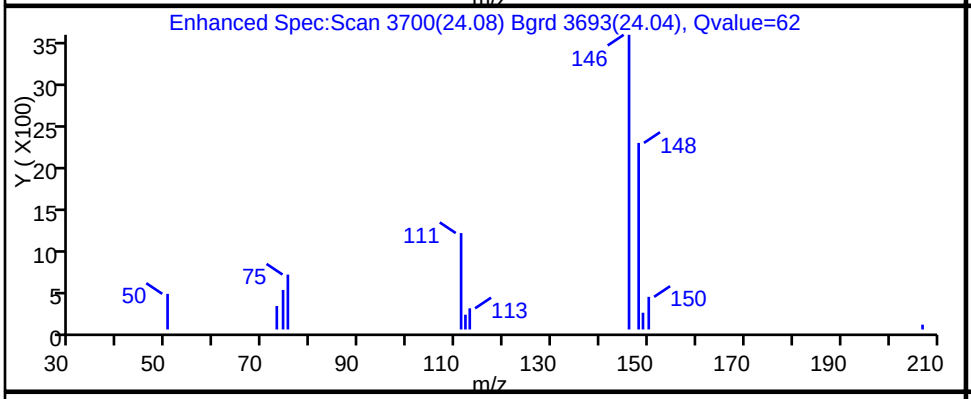
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_004.d

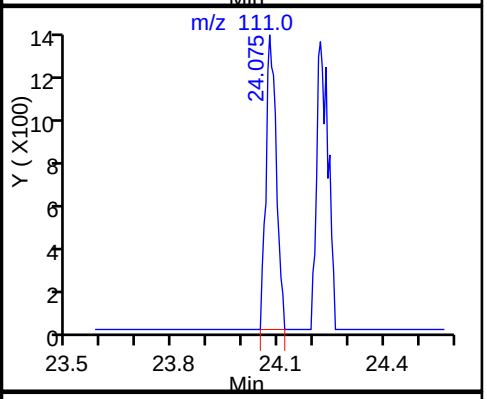
Injection Date:	24-Feb-2014 13:46:30	Instrument ID:	CHW.i		
Lims ID:	MB	Lab Sample ID:	MB 200-68730/4-A		
Client ID:					
Operator ID:	bl	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

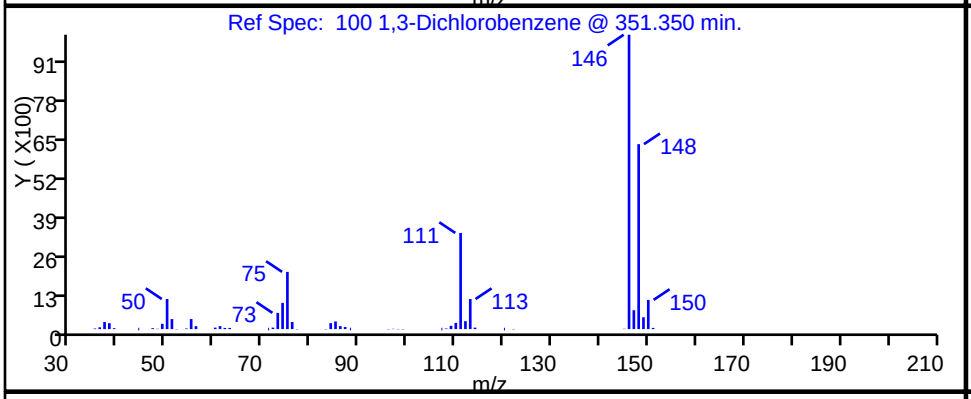
100 1,3-Dichlorobenzene, CAS: 541-73-1

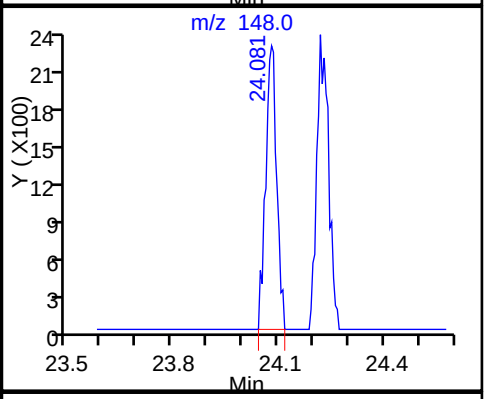


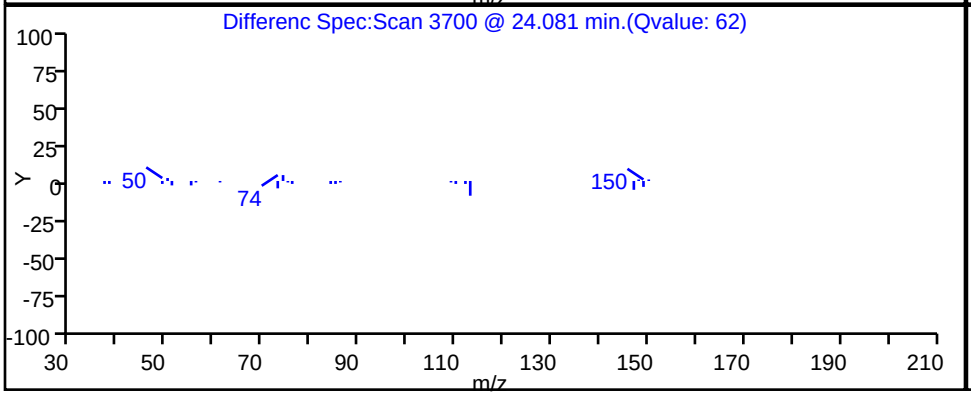


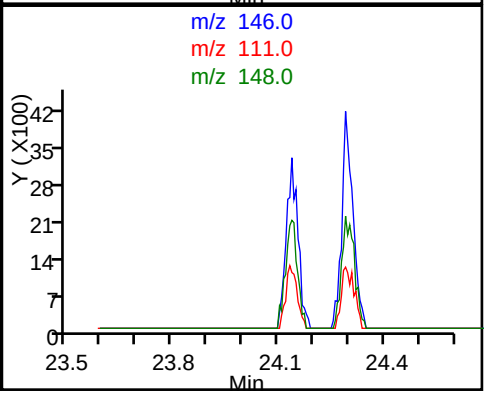












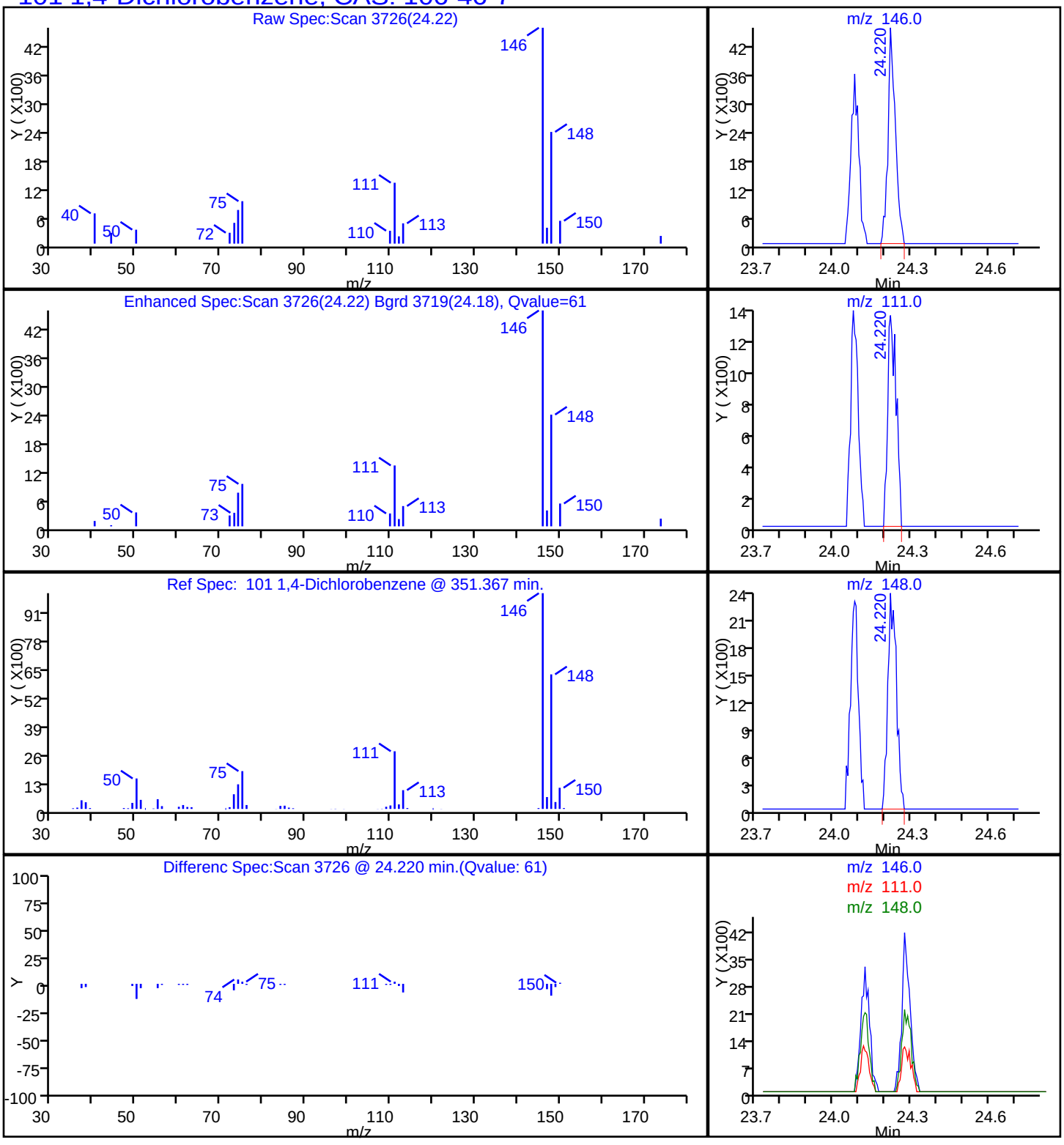
Report Date: 25-Feb-2014 11:17:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_004.d

Injection Date:	24-Feb-2014 13:46:30	Instrument ID:	CHW.i		
Lims ID:	MB	Lab Sample ID:	MB 200-68730/4-A		
Client ID:					
Operator ID:	bl	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

101 1,4-Dichlorobenzene, CAS: 106-46-7



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68811/5

Matrix: Air Lab File ID: 6318_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/25/2014 17:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68811 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50	U	0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.20	U	0.20	0.030
76-13-1	Freon 113	187.38	0.20	U	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.0	U	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68811/5

Matrix: Air Lab File ID: 6318_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/25/2014 17:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68811 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.20	U	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.023
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68811/5

Matrix: Air Lab File ID: 6318_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/25/2014 17:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68811 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68811/5

Matrix: Air Lab File ID: 6318_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/25/2014 17:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68811 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	U	2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.1	U	1.1	0.17
76-13-1	Freon 113	187.38	1.5	U	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12	U	12	3.0
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68811/5

Matrix: Air Lab File ID: 6318_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/25/2014 17:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68811 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.10
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68811/5

Matrix: Air Lab File ID: 6318_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/25/2014 17:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68811 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_005.D
Lims ID: MB Lab Sample ID: MB 200-68811/5-A
Client ID:
Sample Type: MB
Inject. Date: 25-Feb-2014 17:01:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006318-005
Misc. Info.: MB
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 26-Feb-2014 12:25:37 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: lyonsb Date: 26-Feb-2014 11:26:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		3.058					
2 Dichlorodifluoromethane	85		3.133					
3 Difluoroethane TIC	51	3.084	3.150	-0.066	28	1167	NC	
4 Chlorotrifluoroethene TIC	116		3.162					
5 Freon 115 TIC	85		3.180					
6 Chlorodifluoromethane	51		3.181					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.405					
8 Chloromethane	50		3.539					
9 Butane	43		3.758					
10 Vinyl chloride	62		3.796					
11 Butadiene	54		3.882					
12 Bromomethane	94		4.577					
14 Chloroethane	64		4.828					
15 2-Methylbutane	43		4.925					
16 Vinyl bromide	106		5.235					
17 Trichlorofluoromethane	101		5.353					
18 Pentane	43	5.513	5.508	0.005	31	1334	0.0208	
19 Ethanol	45		5.925					
20 1,1,1-Trifluoro-2,2-dichloroetha	83		6.000					
21 Ethyl ether	59		6.043					
22 Acrolein	56		6.407					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.481					
24 1,1-Dichloroethene	96		6.503					
25 Acetone	43		6.722					
26 Carbon disulfide	76		6.888					
27 Isopropyl alcohol	45		7.038					
28 Methyl Acetate TIC	43		7.200					
29 3-Chloro-1-propene	41		7.305					
30 Acetonitrile	41		7.402					
31 Methylene Chloride	49		7.600					
32 2-Methyl-2-propanol	59		7.840					

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
33 Methyl tert-butyl ether		73		8.044			
34 trans-1,2-Dichloroethene		61		8.065			
35 Acrylonitrile		53		8.188			
36 Hexane		57		8.493			
37 1,1-Dichloroethane		63		8.948			
38 Vinyl acetate		43		9.044			
39 cis-1,2-Dichloroethene		96		10.087			
40 2-Butanone (MEK)		72		10.141			
S 41 1,2-Dichloroethene, Total		61		10.200			
42 Ethyl acetate		88		10.210			
* 43 Chlorobromomethane		128	10.558	10.563	-0.005	68 805163	10.0
44 Tetrahydrofuran		42		10.579			
45 Chloroform		83		10.708			
46 Cyclohexane		84		10.997			
47 1,1,1-Trichloroethane		97		11.007			
48 Carbon tetrachloride		117		11.269			
49 Methyl cyclohexane TIC		55		11.500			
50 Benzene		78		11.746			
51 Isooctane		57		11.762			
52 1,2-Dichloroethane		62		11.911			
53 n-Heptane		43		12.174			
* 54 1,4-Difluorobenzene		114	12.617	12.623	-0.006	92 4714661	10.0
55 n-Butanol		56		13.019			
56 Trichloroethene		95		13.115			
A 57 GRO		1	13.297	4.915 - 21.679		0 1185752	0
58 1,2-Dichloropropane		63		13.682			
59 Methyl methacrylate		69		13.885			
60 1,4-Dioxane		88		13.918			
61 Dibromomethane		174		13.939			
62 Dichlorobromomethane		83		14.249			
A 63 TVOC as Toluene		1	15.025	3.048 - 27.002		0 1332761	3.86
64 cis-1,3-Dichloropropene		75		15.228			
65 4-Methyl-2-pentanone (MIBK)		43		15.533			
66 Toluene		92		15.854			
A 67 Toluene Range		1	15.854	15.814 -15.894		0 16386	NC
69 n-Octane		43		15.966			
A 68 C8 Range		1	15.980	15.928 -16.016		0 5883	NC
70 trans-1,3-Dichloropropene		75		16.443			
71 1,1,2-Trichloroethane		83		16.812			
72 Tetrachloroethene		166		16.967			
73 2-Hexanone		43		17.288			
74 Chlorodibromomethane		129		17.587			
75 Ethylene Dibromide		107		17.866			
* 76 Chlorobenzene-d5		117	18.786	18.791	-0.005	80 4366233	10.0
77 Chlorobenzene		112		18.850			
78 Ethylbenzene		91		19.016			
79 n-Nonane		57		19.182			
80 m-Xylene & p-Xylene		106		19.273			
81 1,2-Dibromo-3-Chloropropane TIC		75		19.300			
S 82 Xylenes, Total		106		20.100			
83 o-Xylene		106		20.102			
84 Styrene		104		20.145			

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	85 Bromoform			173		20.535				
	86 Isopropylbenzene			105		20.771				
$	87 4-Bromofluorobenzene			95	21.113	21.113	0.0	98	1839415	NC
	88 1,1,2,2-Tetrachloroethane			83		21.370				
	89 1,2,3-Trichloropropane			75		21.461				
	90 N-Propylbenzene			91		21.471				
	92 2-Chlorotoluene			91		21.653				
	91 4-Ethyltoluene			105		21.659				
	93 n-Decane			57		21.669				
	94 1,3,5-Trimethylbenzene			105		21.760				
	95 Alpha Methyl Styrene			118		22.113				
	96 tert-Butylbenzene			119		22.242				
	97 1,2,4-Trimethylbenzene			105		22.333				
	98 sec-Butylbenzene			105		22.563				
	99 4-Isopropyltoluene			119		22.761				
	100 1,3-Dichlorobenzene			146		22.777				
	101 1,4-Dichlorobenzene			146		22.910				
	102 Benzyl chloride			91		23.108				
	103 n-Butylbenzene			91		23.338				
	104 Undecane			57		23.387				
	105 1,2-Dichlorobenzene			146		23.451				
	106 Dodecane			57		25.013				
	107 1,2,4-Trichlorobenzene			180		26.019				
	108 Hexachlorobutadiene			225		26.227				
	109 Naphthalene			128		26.505				
	110 1,2,3-Trichlorobenzene			180		26.992				

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

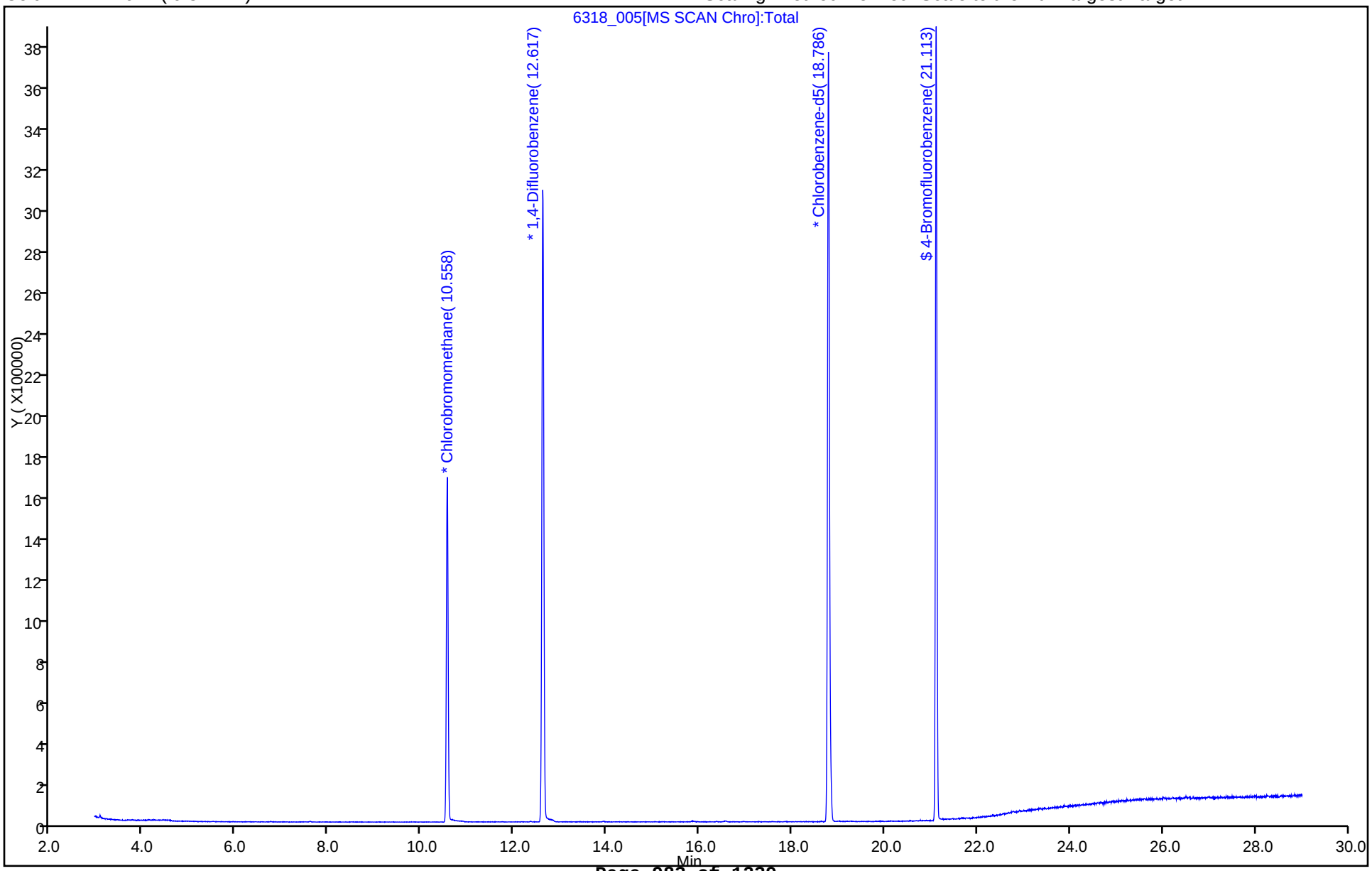
Report Date: 26-Feb-2014 12:25:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_005.D

Injection Date:	25-Feb-2014 17:01:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	MB	Lab Sample ID:	MB 200-68811/5-A	Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68870/5

Matrix: Air Lab File ID: 6343_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/26/2014 14:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68870 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50	U	0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.20	U	0.20	0.030
76-13-1	Freon 113	187.38	0.20	U	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.0	U	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68870/5

Matrix: Air Lab File ID: 6343_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/26/2014 14:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68870 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.20	U	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.0162	J	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.0261	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.0179	J	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.0167	J	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.0214	J	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68870/5

Matrix: Air Lab File ID: 6343_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/26/2014 14:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68870 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.0160	J	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.0298	J	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68870/5

Matrix: Air Lab File ID: 6343_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/26/2014 14:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68870 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	U	2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.1	U	1.1	0.17
76-13-1	Freon 113	187.38	1.5	U	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12	U	12	3.0
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68870/5

Matrix: Air Lab File ID: 6343_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/26/2014 14:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68870 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.0745	J	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.113	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	0.0925	J	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	0.100	J	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	0.129	J	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: MB 200-68870/5

Matrix: Air Lab File ID: 6343_05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/26/2014 14:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68870 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.0963	J	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	0.221	J	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_05.D
Lims ID: mb Lab Sample ID: MB 200-68870/5-A
Client ID:
Sample Type: MB
Inject. Date: 26-Feb-2014 14:38:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006343-005
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 26-Feb-2014 15:14:14 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: desjardinsb Date: 26-Feb-2014 15:14:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Difluoroethane TIC	51		3.150					
2 Chlorotrifluoroethene TIC	116		3.162					
3 Freon 115 TIC	85		3.180					
4 Propene	41		3.181					
5 Dichlorodifluoromethane	85		3.261					
6 Chlorodifluoromethane	51		3.320					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.549					
8 Chloromethane	50		3.699					
9 Butane	43		3.918					
10 Vinyl chloride	62		3.971					
11 Butadiene	54		4.056					
12 Bromomethane	94		4.798					
13 Chloroethane	64		5.054					
14 2-Methylbutane	43		5.129					
15 Vinyl bromide	106		5.471					
16 Trichlorofluoromethane	101		5.577					
17 Pentane	43		5.727					
18 1,1,1-Trifluoro-2,2-dichloroetha	83		6.000					
19 Ethanol	45		6.228					
20 Ethyl ether	59		6.293					
21 Acrolein	56		6.709					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.719					
23 1,1-Dichloroethene	96		6.762					
25 Acetone	43		7.045					
26 Carbon disulfide	76		7.152					
27 Methyl Acetate TIC	43		7.200					
28 Isopropyl alcohol	45		7.365					
29 3-Chloro-1-propene	41		7.595					
30 Acetonitrile	41		7.760					
31 Methylene Chloride	49		7.904					
32 2-Methyl-2-propanol	59		8.160					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	33 Methyl tert-butyl ether	73		8.321						
	34 trans-1,2-Dichloroethene	61		8.347						
	35 Acrylonitrile	53		8.539						
	36 Hexane	57		8.742						
	37 1,1-Dichloroethane	63		9.265						
	38 Vinyl acetate	43		9.361						
S	39 1,2-Dichloroethene, Total	61		10.200						
	40 cis-1,2-Dichloroethene	96		10.434						
	41 2-Butanone (MEK)	72		10.509						
	42 Ethyl acetate	88		10.551						
*	43 Chlorobromomethane	128	10.914	10.920	-0.006		64	381709	10.0	
	44 Tetrahydrofuran	42		10.936						
	45 Chloroform	83		11.064						
	46 Cyclohexane	84		11.293						
	47 1,1,1-Trichloroethane	97		11.336						
	48 Methyl cyclohexane TIC	55		11.500						
	49 Carbon tetrachloride	117		11.592						
	50 Isooctane	57		12.051						
	51 Benzene	78		12.094						
	52 1,2-Dichloroethane	62		12.302						
	53 n-Heptane	43		12.462						
*	54 1,4-Difluorobenzene	114	12.985	12.990	-0.005		91	2141658	10.0	
	55 n-Butanol	56		13.433						
	56 Trichloroethene	95		13.471						
A	57 GRO	1	13.497	5.119 - 21.876			0	381312	0	
	58 1,2-Dichloropropane	63		14.074						
	59 Methyl methacrylate	69		14.250						
	60 1,4-Dioxane	88		14.319						
	61 Dibromomethane	174		14.335						
	62 Dichlorobromomethane	83		14.639						
A	63 TVOC as Toluene	1	15.277	3.171 - 27.383			0	443555	4.20	
	64 cis-1,3-Dichloropropene	75		15.600						
	65 4-Methyl-2-pentanone (MIBK)	43		15.910						
	66 Toluene	92	16.193	16.198	-0.006		18	1444	0.0149	
A	67 Toluene Range	1	16.198	16.158 - 16.238			0	6055	NC	
	68 n-Octane	43	16.230	16.240	-0.010		1	706	0.0114	
A	69 C8 Range	1	16.240	16.190 - 16.290			0	6055	NC	
	70 trans-1,3-Dichloropropene	75		16.812						
	71 1,1,2-Trichloroethane	83		17.190						
	72 Tetrachloroethene	166		17.281						
	73 2-Hexanone	43		17.655						
	74 Chlorodibromomethane	129		17.959						
	75 Ethylene Dibromide	107		18.236						
*	76 Chlorobenzene-d5	117	19.128	19.133	-0.005		80	1969452	10.0	
	77 Chlorobenzene	112	19.181	19.192	-0.011		1	2220	0.0162	
	78 1,2-Dibromo-3-Chloropropane TIC	75	19.133	19.300	-0.167		1	22782	NC	
	79 Ethylbenzene	91	19.341	19.341	0.0		1	2258	0.0108	
	80 n-Nonane	57		19.448						
	81 m-Xylene & p-Xylene	106	19.597	19.592	0.005		22	2263	0.0261	
S	82 Xylenes, Total	106					0		0.0348	
	83 o-Xylene	106	20.403	20.403	0.0		1	740	0.008724	
	84 Styrene	104		20.451						

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	85 Bromoform	173		20.852					
	86 Isopropylbenzene	105		21.033					
$	87 4-Bromofluorobenzene	95	21.385	21.391	-0.006	97	1305286	NC	
	88 1,1,2,2-Tetrachloroethane	83		21.657					
	89 N-Propylbenzene	91		21.716					
	90 1,2,3-Trichloropropane	75	21.754	21.754	0.0	1	1891	0.0220	
	91 n-Decane	57		21.866					
	92 4-Ethyltoluene	105		21.898					
	93 2-Chlorotoluene	91	21.903	21.908	-0.005	5	3374	0.0179	
	94 1,3,5-Trimethylbenzene	105		21.999					
	95 Alpha Methyl Styrene	118		22.351					
	96 tert-Butylbenzene	119		22.469					
	97 1,2,4-Trimethylbenzene	105		22.559					
	98 sec-Butylbenzene	105		22.784					
	99 4-Isopropyltoluene	119		22.981					
	100 1,3-Dichlorobenzene	146	23.013	23.018	-0.005	42	2508	0.0167	
	101 1,4-Dichlorobenzene	146	23.157	23.157	0.0	41	3226	0.0214	
	102 Benzyl chloride	91		23.365					
	103 n-Butylbenzene	91		23.568					
	104 Undecane	57		23.573					
	105 1,2-Dichlorobenzene	146	23.707	23.712	-0.005	47	2273	0.0160	
	106 Dodecane	57		25.233					
	107 1,2,4-Trichlorobenzene	180	26.338	26.343	-0.005	11	2981	0.0298	
	108 Hexachlorobutadiene	225		26.530					
	109 Naphthalene	128		26.866					
	110 1,2,3-Trichlorobenzene	180		27.373					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

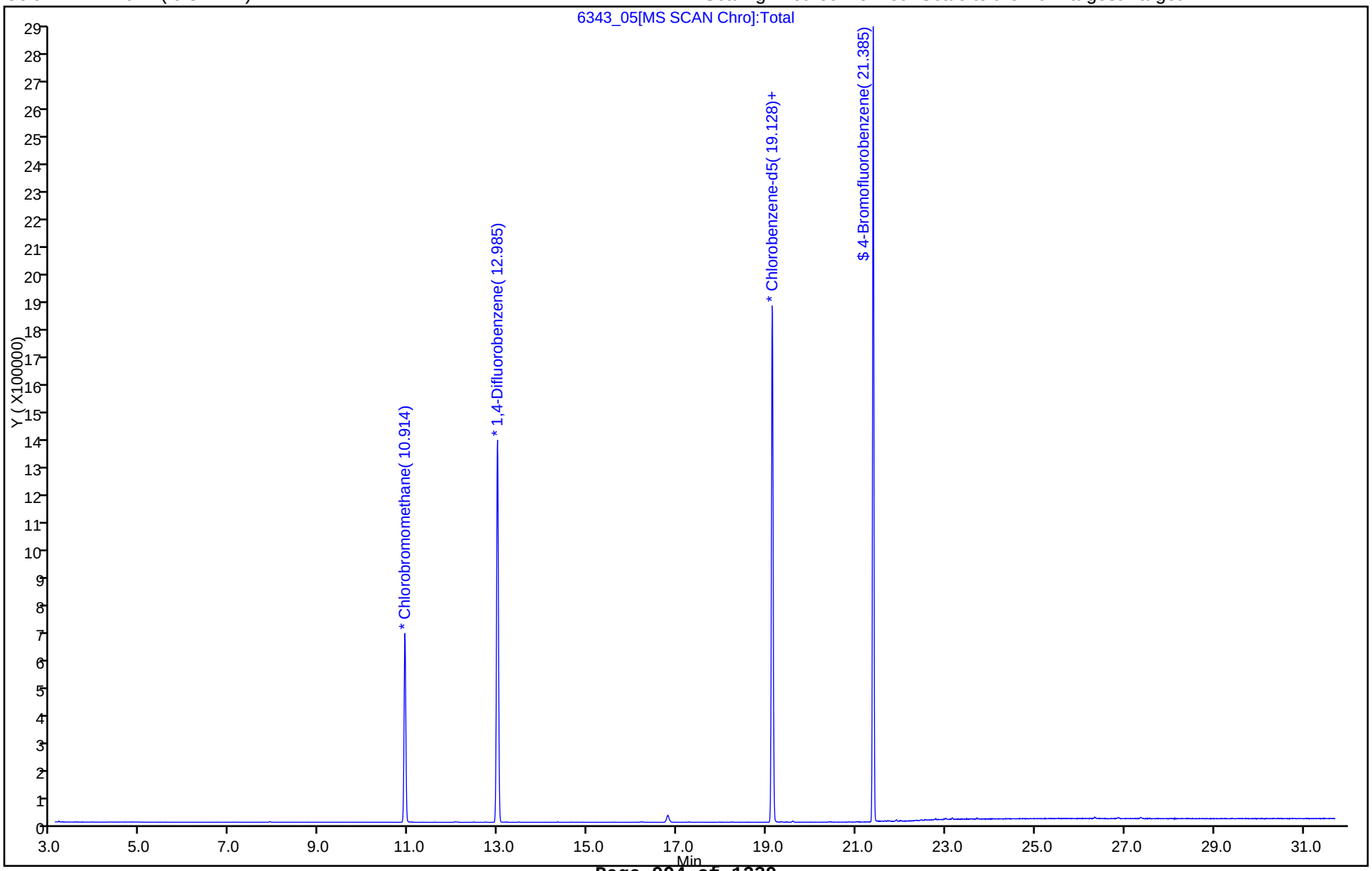
Report Date: 26-Feb-2014 15:14:14 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_05.D

Injection Date:	26-Feb-2014 14:38:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	mb	Lab Sample ID:	MB 200-68870/5-A	Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



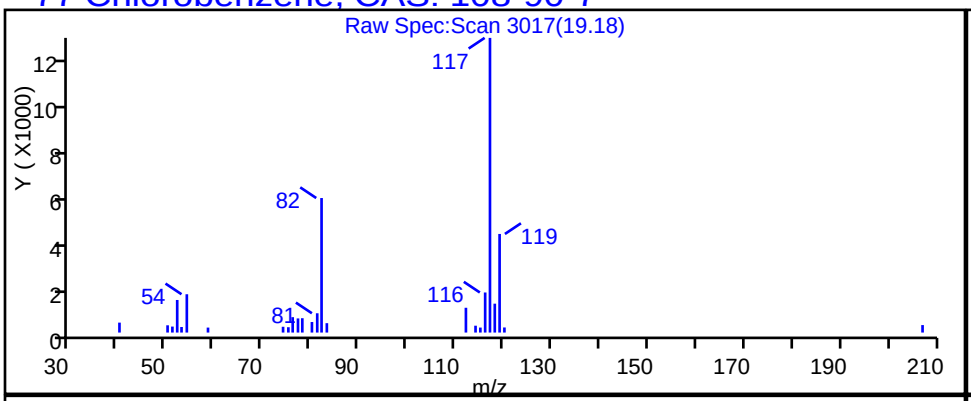
Report Date: 26-Feb-2014 15:14:14 Chrom Revision: 2.2 06-Feb-2014 15:19:06

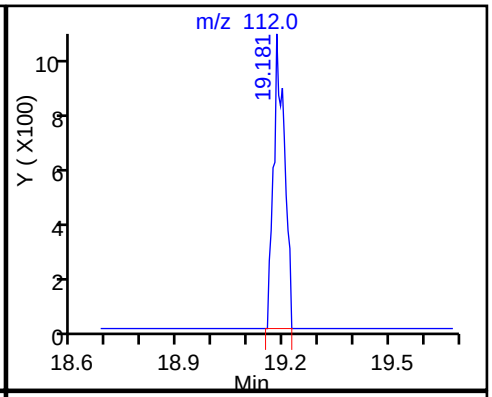
TestAmerica Burlington

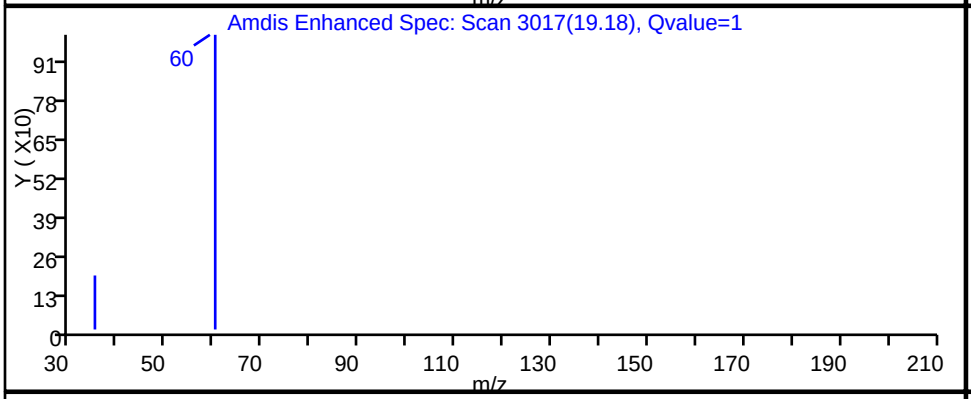
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_05.D

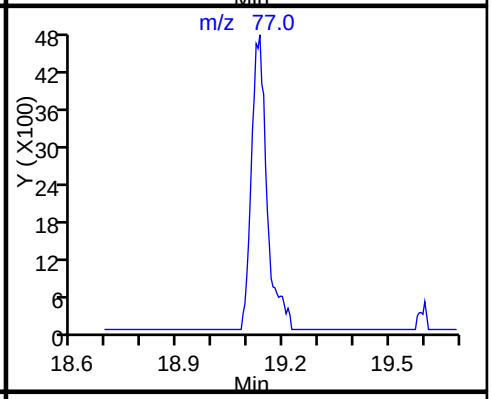
Injection Date:	26-Feb-2014 14:38:30	Instrument ID:	CHC.i		
Lims ID:	mb	Lab Sample ID:	MB 200-68870/5-A		
Client ID:					
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

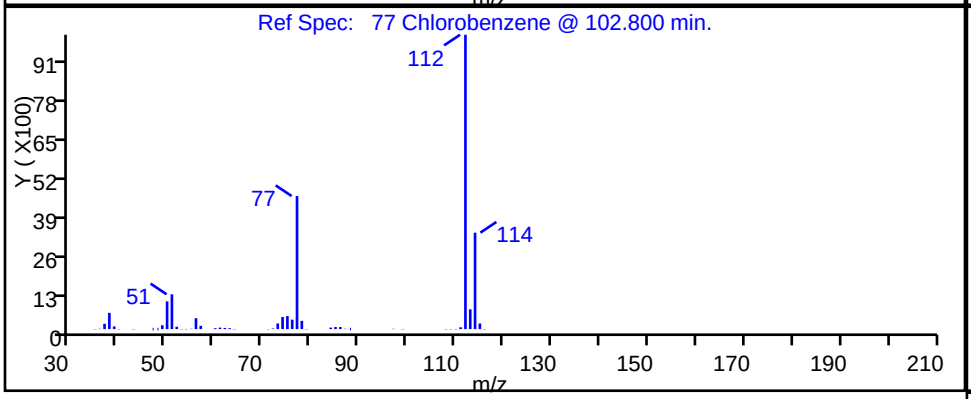
77 Chlorobenzene, CAS: 108-90-7

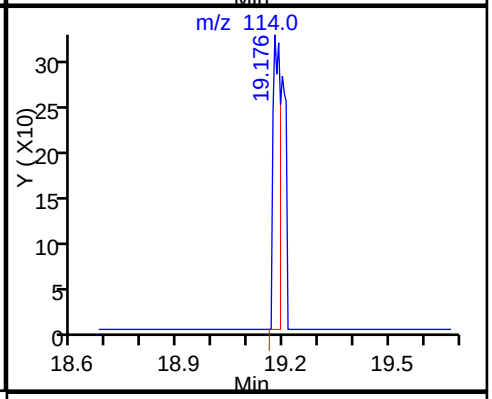


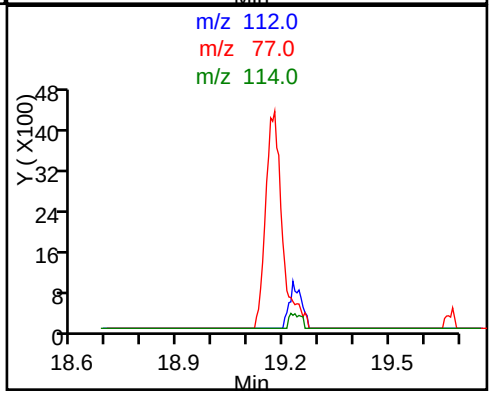












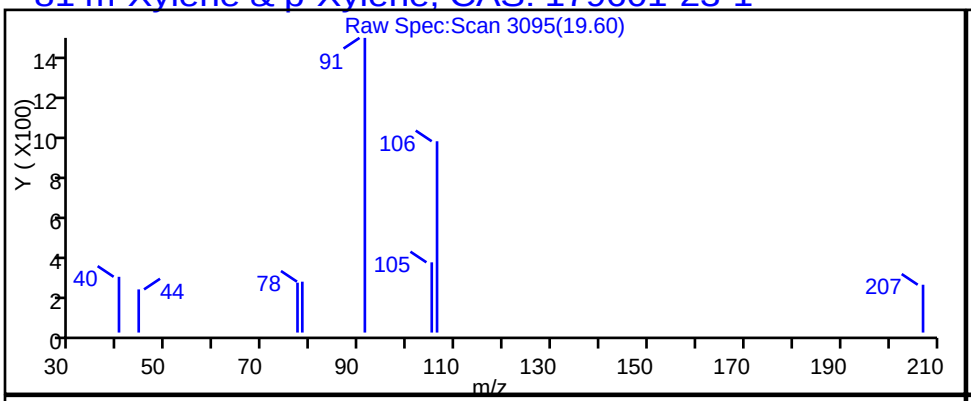
Report Date: 26-Feb-2014 15:14:14 Chrom Revision: 2.2 06-Feb-2014 15:19:06

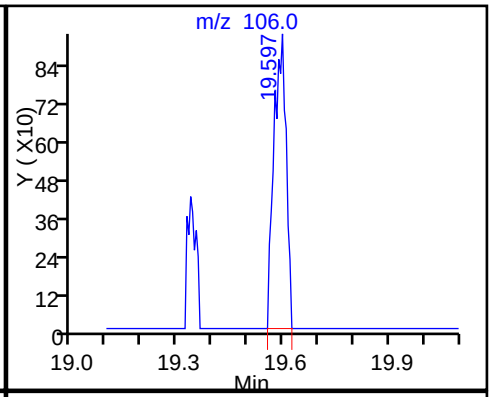
TestAmerica Burlington

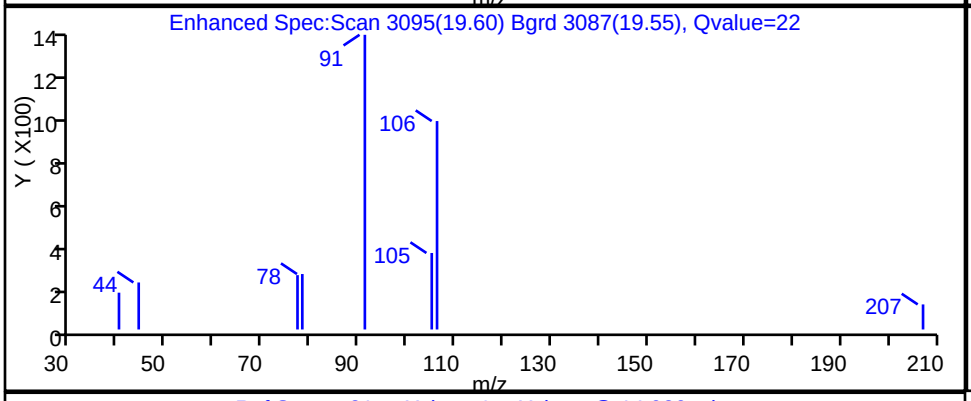
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_05.D

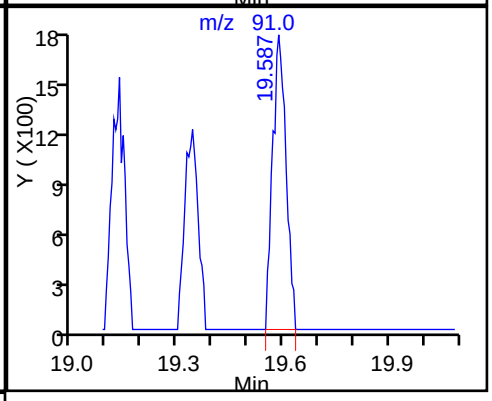
Injection Date:	26-Feb-2014 14:38:30	Instrument ID:	CHC.i		
Lims ID:	mb	Lab Sample ID:	MB 200-68870/5-A		
Client ID:					
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

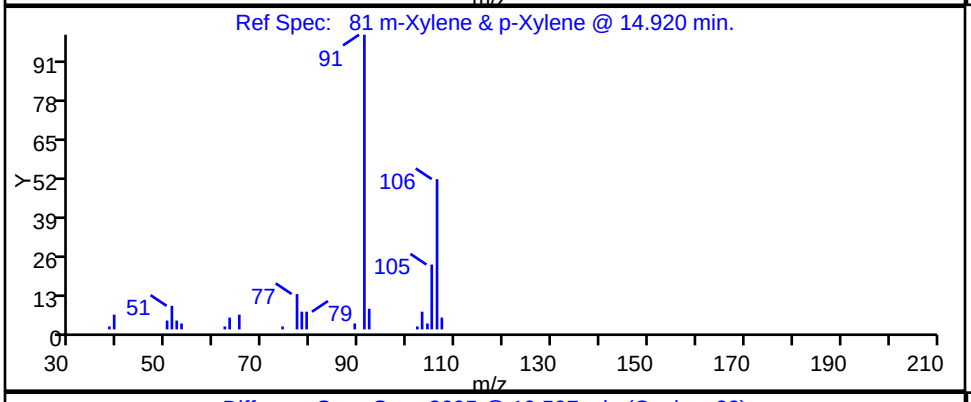
81 m-Xylene & p-Xylene, CAS: 179601-23-1

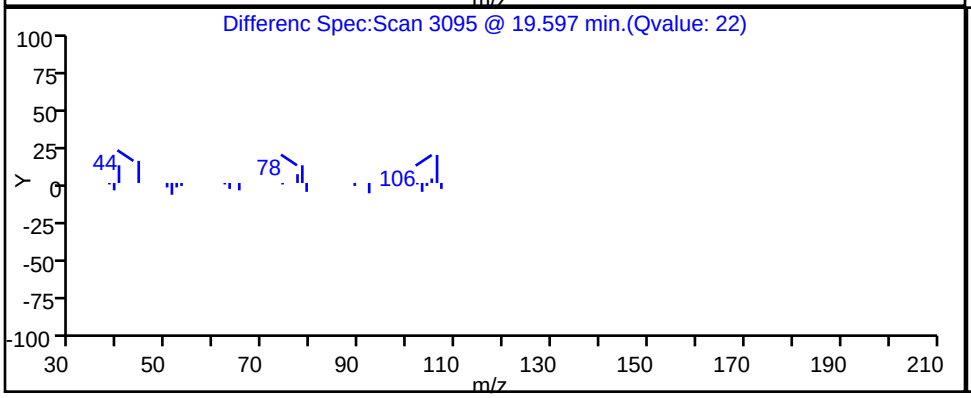


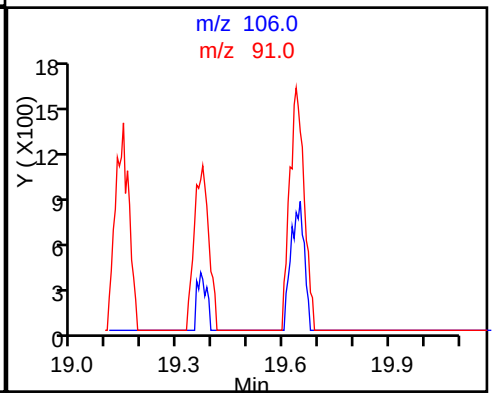












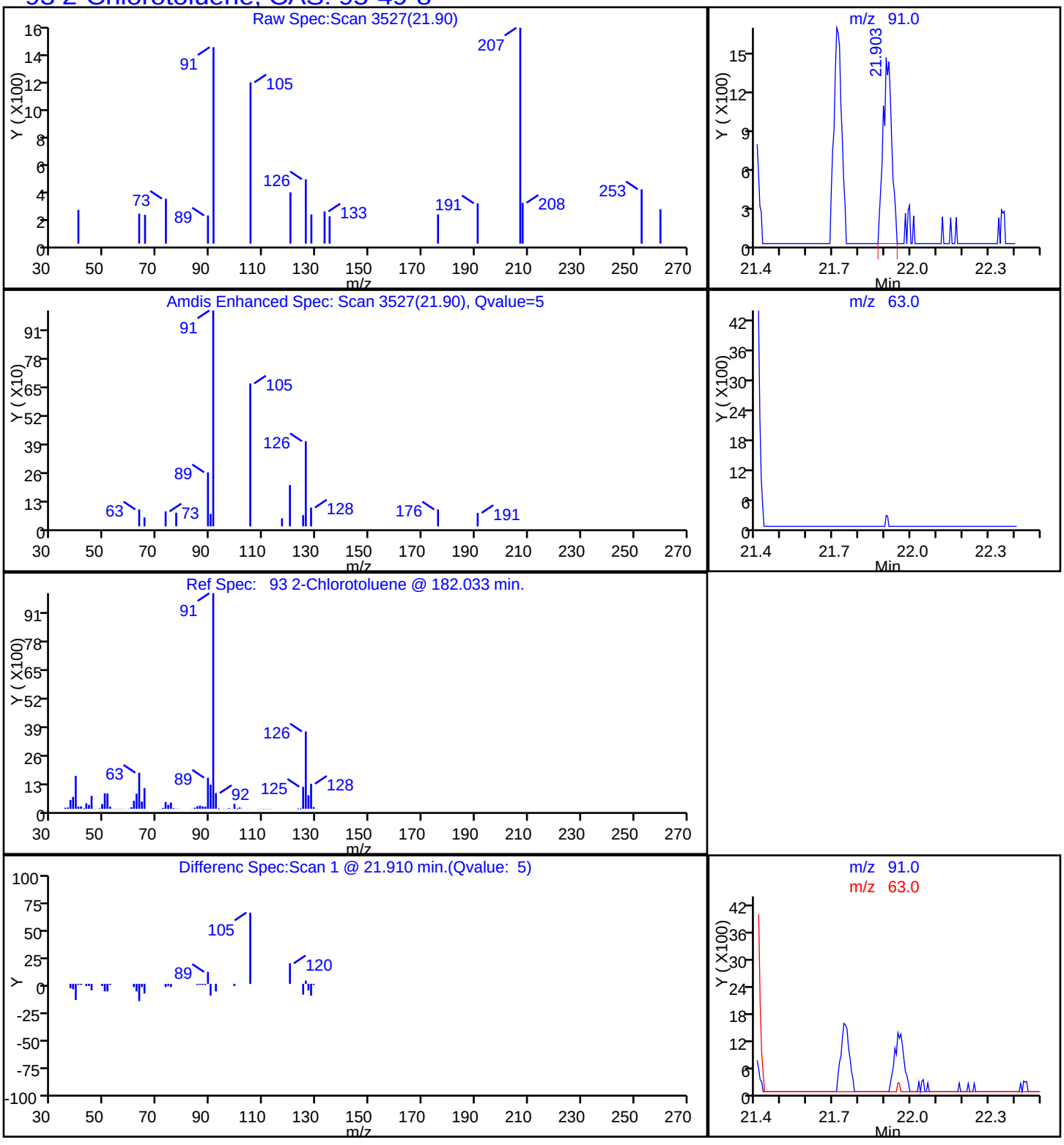
Report Date: 26-Feb-2014 15:14:15 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_05.D

Injection Date:	26-Feb-2014 14:38:30	Instrument ID:	CHC.i		
Lims ID:	mb	Lab Sample ID:	MB 200-68870/5-A		
Client ID:					
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 2-Chlorotoluene, CAS: 95-49-8



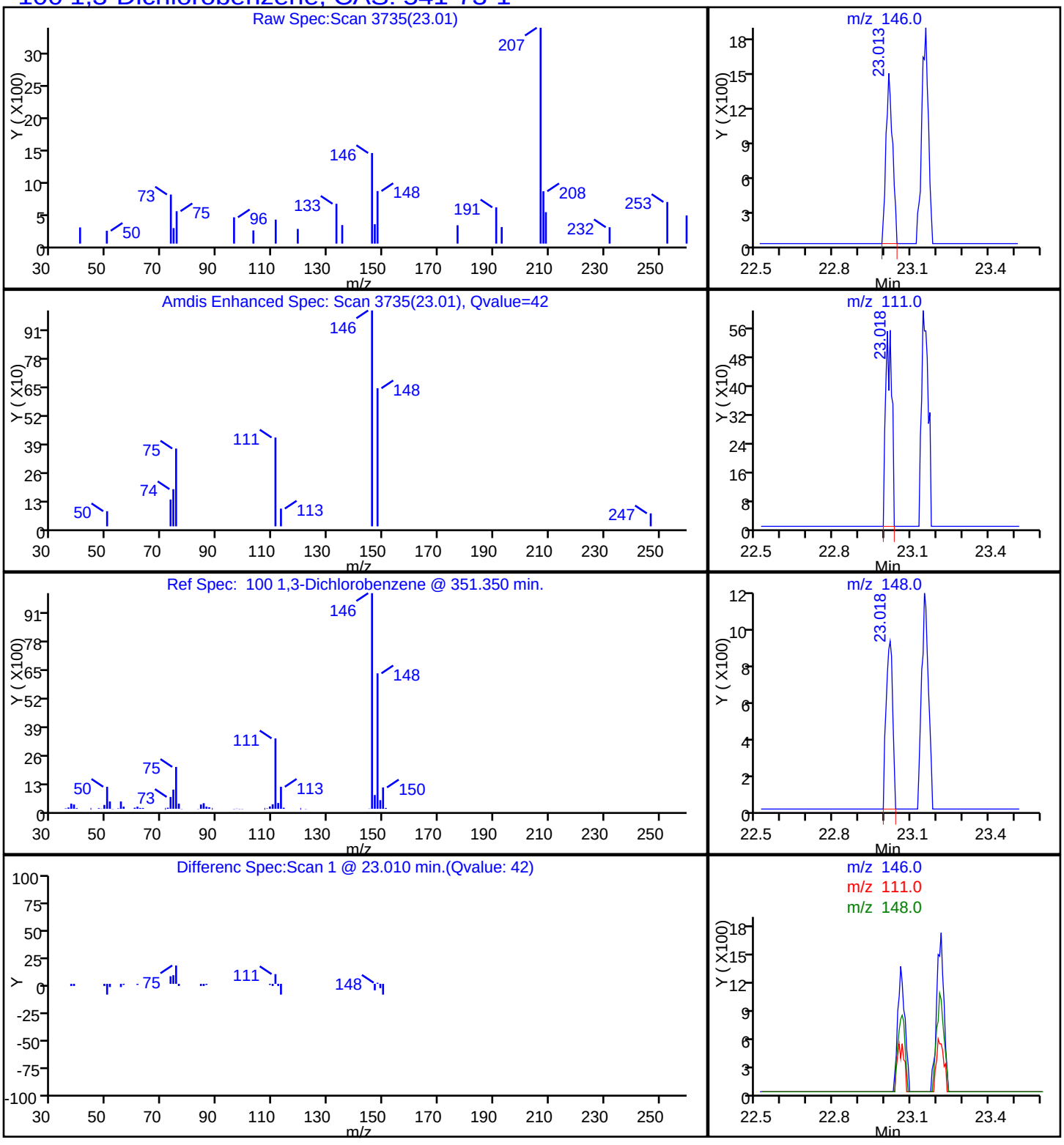
Report Date: 26-Feb-2014 15:14:15 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_05.D

Injection Date:	26-Feb-2014 14:38:30	Instrument ID:	CHC.i		
Lims ID:	mb	Lab Sample ID:	MB 200-68870/5-A		
Client ID:					
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



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TestAmerica Burlington

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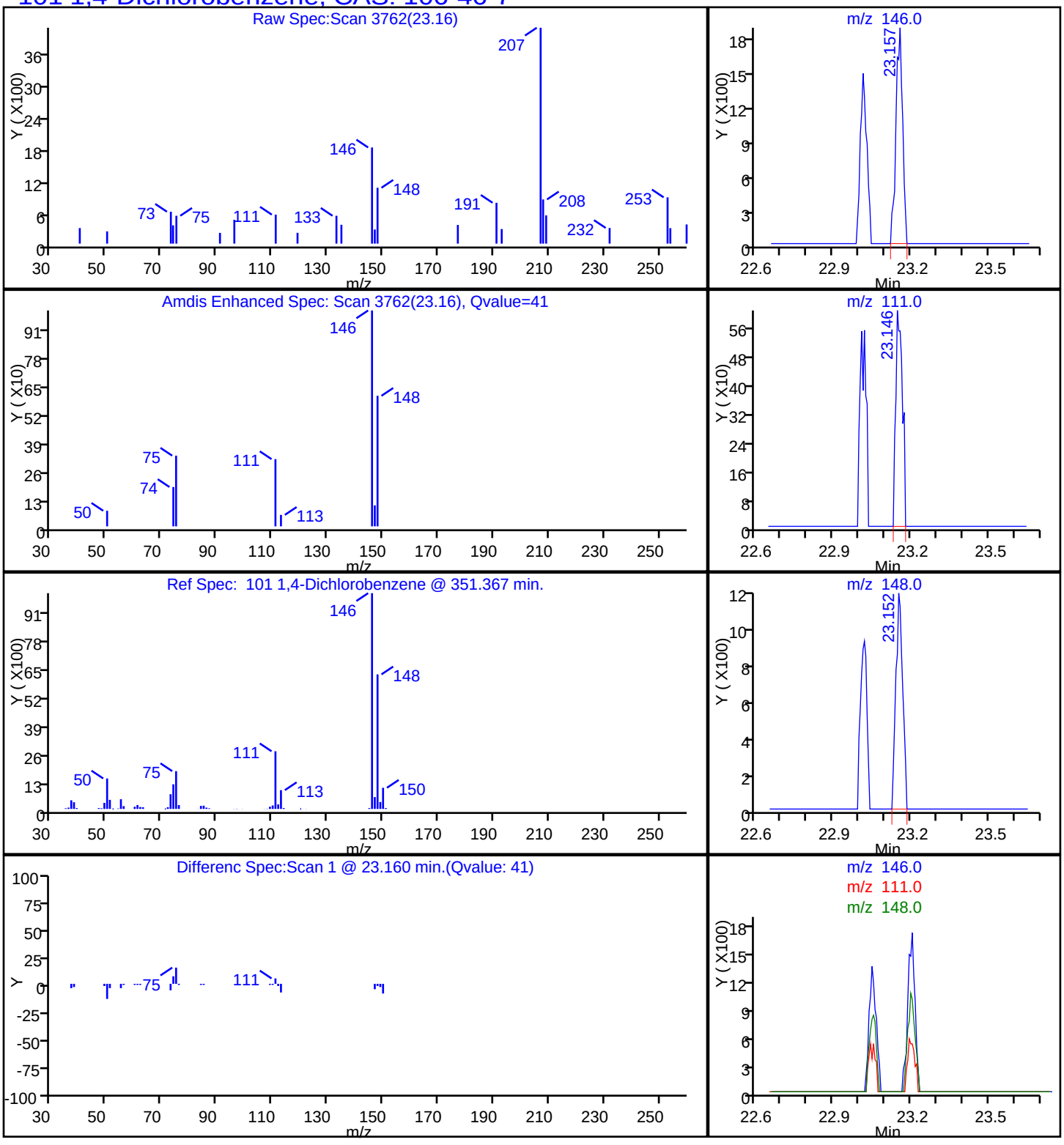
Injection Date:	26-Feb-2014 14:38:30	Instrument ID:	CHC.i		
Lims ID:	mb	Lab Sample ID:	MB 200-68870/5-A		
Client ID:					
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

101 1,4-Dichlorobenzene, CAS: 106-46-7



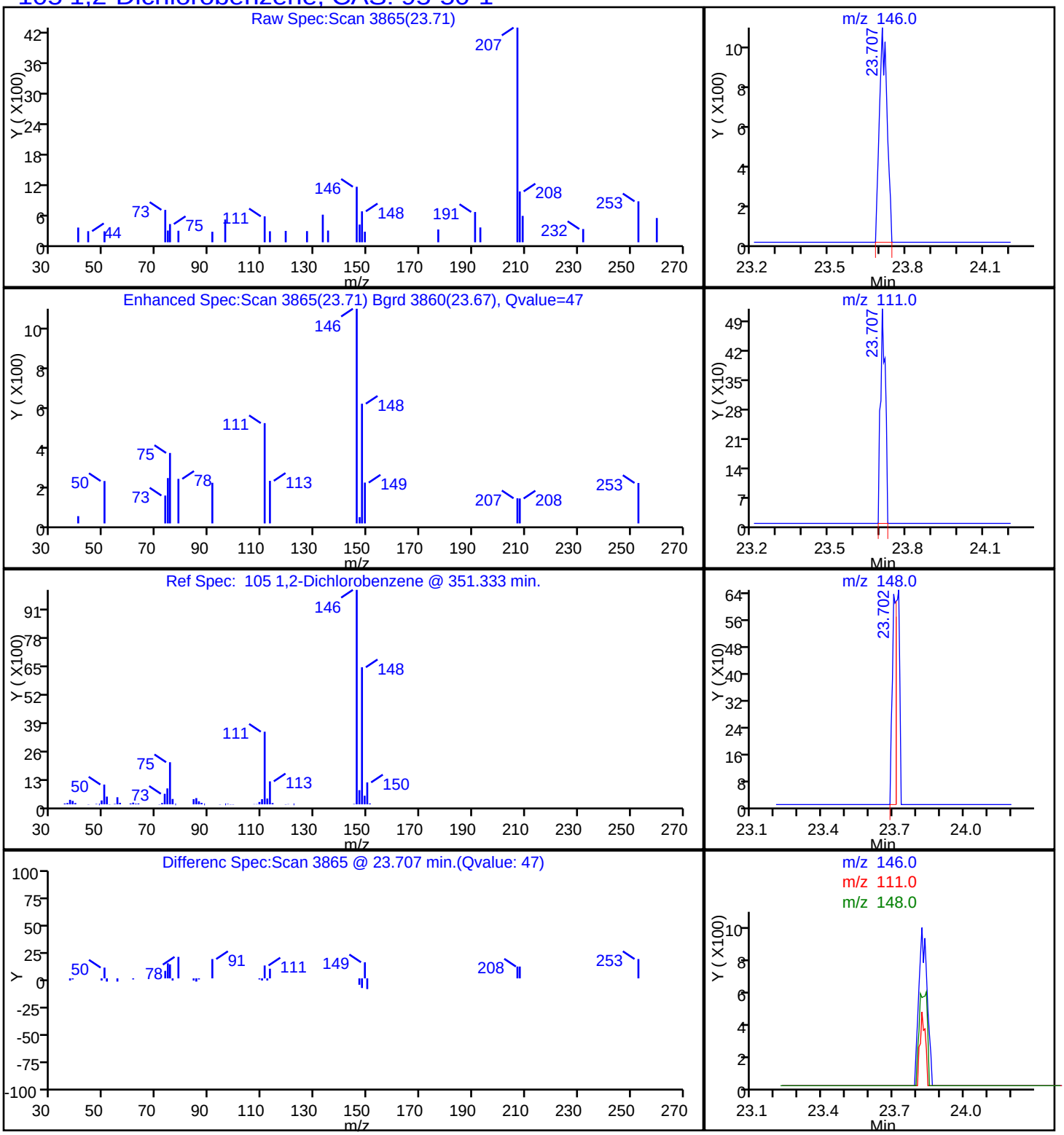
Report Date: 26-Feb-2014 15:14:15 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_05.D

Injection Date:	26-Feb-2014 14:38:30	Instrument ID:	CHC.i		
Lims ID:	mb	Lab Sample ID:	MB 200-68870/5-A		
Client ID:					
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

105 1,2-Dichlorobenzene, CAS: 95-50-1



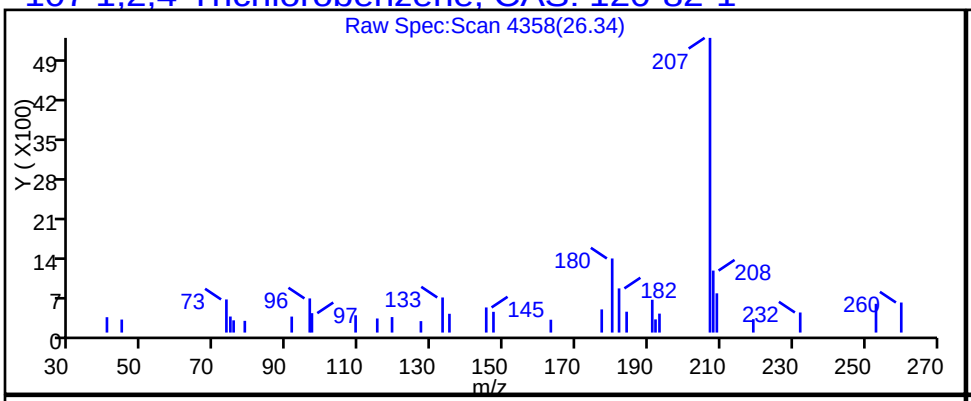
Report Date: 26-Feb-2014 15:14:15 Chrom Revision: 2.2 06-Feb-2014 15:19:06

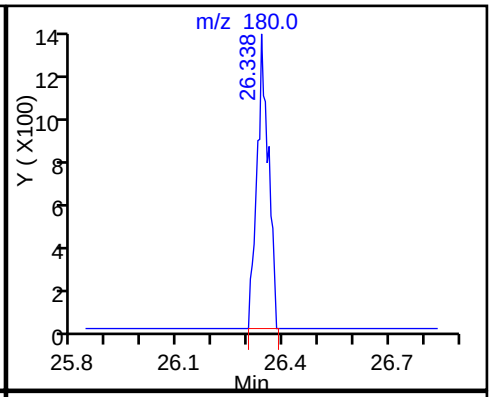
TestAmerica Burlington

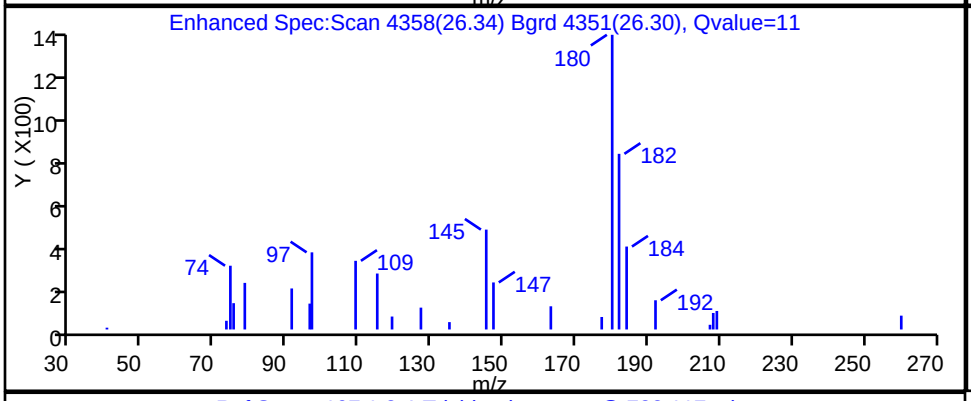
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_05.D

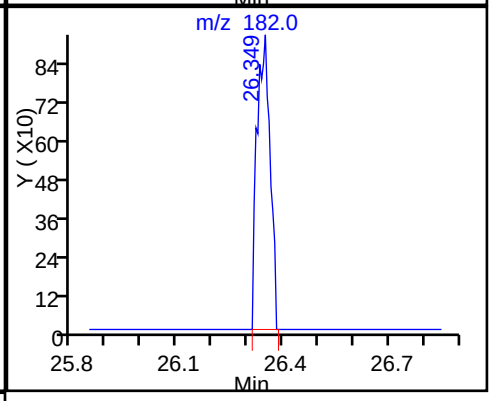
Injection Date:	26-Feb-2014 14:38:30	Instrument ID:	CHC.i		
Lims ID:	mb	Lab Sample ID:	MB 200-68870/5-A		
Client ID:					
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

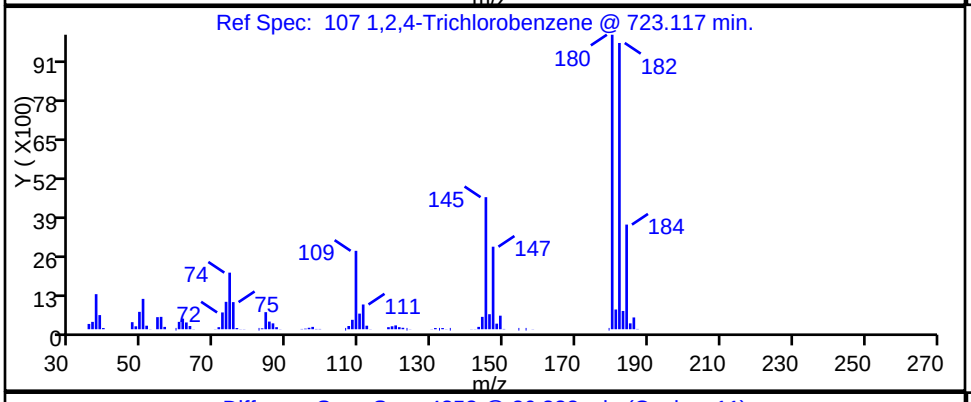
107 1,2,4-Trichlorobenzene, CAS: 120-82-1

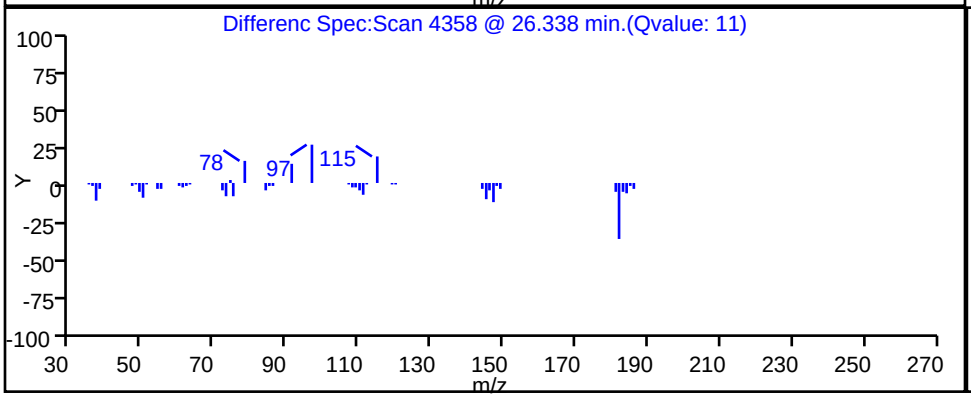


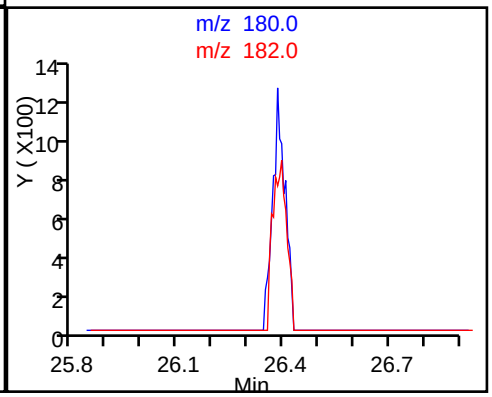












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: LCS 200-68420/3

Matrix: Air Lab File ID: 6171_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 11:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	9.74		0.50	0.030
75-45-6	Freon 22	86.47	9.58		0.50	0.048
76-14-2	Freon-114	170.92	10.1		0.20	0.035
74-87-3	Chloromethane	50.49	9.00		0.50	0.14
106-97-8	n-Butane	58.12	9.76		0.50	0.28
75-01-4	Vinyl chloride	62.50	8.69		0.040	0.038
106-99-0	1,3-Butadiene	54.09	9.52		0.20	0.042
74-83-9	Bromomethane	94.94	8.79		0.20	0.028
75-00-3	Chloroethane	64.52	8.93		0.50	0.030
593-60-2	Vinyl bromide	106.96	9.54		0.20	0.030
75-69-4	Freon 11	137.37	9.62		0.20	0.030
76-13-1	Freon 113	187.38	9.14		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	9.57		0.20	0.024
67-64-1	Acetone	58.08	10.9		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	8.16		5.0	0.22
75-15-0	Carbon disulfide	76.14	10.6		0.50	0.066
107-05-1	Allyl chloride	76.53	10.3		0.50	0.034
75-09-2	Methylene Chloride	84.93	9.61		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	9.11		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	11.4		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	10.5		0.20	0.029
110-54-3	Hexane	86.17	11.5		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	9.26		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	9.57		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	9.94		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	20.4		0.20	0.064
67-66-3	Chloroform	119.38	9.63		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	9.88		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	9.90		0.20	0.021
110-82-7	Cyclohexane	84.16	10.5		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	9.51		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	10.8		0.20	0.027
71-43-2	Benzene	78.11	9.27		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	10.1		0.20	0.017
142-82-5	Heptane	100.21	11.0		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: LCS 200-68420/3

Matrix: Air Lab File ID: 6171_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 11:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	9.79		0.040	0.024
80-62-6	Methyl methacrylate	100.12	10.2		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	9.35		0.20	0.032
123-91-1	1,4-Dioxane	88.11	7.65		5.0	0.20
75-27-4	Bromodichloromethane	163.83	9.71		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	10.9		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	10.2		0.50	0.027
108-88-3	Toluene	92.14	9.79		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	10.7		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	9.23		0.20	0.017
127-18-4	Tetrachloroethene	165.83	9.48		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.1		0.50	0.20
124-48-1	Dibromochloromethane	208.29	9.57		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	9.84		0.20	0.020
108-90-7	Chlorobenzene	112.56	8.97		0.20	0.0081
100-41-4	Ethylbenzene	106.17	10.1		0.20	0.013
179601-23-1	m,p-Xylene	106.17	19.4		0.50	0.023
95-47-6	Xylene, o-	106.17	10.4		0.20	0.016
1330-20-7	Xylene (total)	106.17	29.8		0.20	0.034
100-42-5	Styrene	104.15	10.5		0.20	0.018
75-25-2	Bromoform	252.75	9.71		0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	8.98		0.20	0.016
103-65-1	n-Propylbenzene	120.19	10.3		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	10.0		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	9.84		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	9.59		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	9.92		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	10.1		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	9.90		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	10.2		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	9.30		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	9.74		0.20	0.014
100-44-7	Benzyl chloride	126.58	9.91		0.20	0.080
104-51-8	n-Butylbenzene	134.22	9.67		0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: LCS 200-68420/3

Matrix: Air Lab File ID: 6171_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/17/2014 11:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68420 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.32		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	7.75		0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	8.95		0.20	0.022
91-20-3	Naphthalene	128.17	7.15		0.50	0.20

Report Date: 18-Feb-2014 11:49:34 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_003.d
Lims ID: LCS Lab Sample ID: LCS 200-68420/3-A
Client ID:
Sample Type: LCS
Inject. Date: 17-Feb-2014 11:32:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006171-003
Misc. Info.: LCS
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 18-Feb-2014 11:49:34 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: lyonsb Date: 17-Feb-2014 12:21:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.378	4.378	0.0	96	226633	9.14	
2 Dichlorodifluoromethane	85	4.474	4.474	0.0	99	1673130	9.74	
6 Chlorodifluoromethane	51	4.538	4.538	0.0	93	623094	9.58	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.827	4.827	0.0	91	1474407	10.1	
8 Chloromethane	50	5.020	5.020	0.0	99	266058	9.00	
9 Butane	43	5.287	5.287	0.0	95	467799	9.76	
10 Vinyl chloride	62	5.341	5.341	0.0	97	369532	8.69	
11 Butadiene	54	5.442	5.442	0.0	95	249098	9.52	
12 Bromomethane	94	6.309	6.309	0.0	98	386783	8.79	
13 BFB								
14 Chloroethane	64	6.593	6.593	0.0	97	202041	8.93	
15 2-Methylbutane	43	6.684	6.684	0.0	86	374107	10.2	
16 Vinyl bromide	106	7.074	7.074	0.0	96	559308	9.54	
17 Trichlorofluoromethane	101	7.192	7.192	0.0	98	1851110	9.62	
18 Pentane	43	7.352	7.352	0.0	93	585118	11.4	
19 Ethanol	45	7.802	7.802	0.0	99	157503	14.7	
21 Ethyl ether	59	7.941	7.941	0.0	91	309300	11.5	
22 Acrolein	56	8.401	8.401	0.0	97	133005	11.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.438	8.438	0.0	93	1101712	9.14	
24 1,1-Dichloroethene	96	8.513	8.513	0.0	97	496714	9.57	
25 Acetone	43	8.749	8.749	0.0	87	596142	10.9	
26 Carbon disulfide	76	9.000	9.000	0.0	99	1269763	10.6	
27 Isopropyl alcohol	45	9.027	9.027	0.0	90	372865	8.16	
29 3-Chloro-1-propene	41	9.407	9.407	0.0	82	378633	10.3	
30 Acetonitrile	41	9.530	9.530	0.0	99	196032	9.81	
31 Methylene Chloride	49	9.733	9.733	0.0	80	364801	9.61	
32 2-Methyl-2-propanol	59	9.904	9.904	0.0	98	755617	9.11	
33 Methyl tert-butyl ether	73	10.155	10.155	0.0	95	1559466	11.4	
S 41 1,2-Dichloroethene, Total	61				0		20.5	
34 trans-1,2-Dichloroethene	61	10.230	10.230	0.0	90	658419	10.5	
35 Acrylonitrile	53	10.386	10.386	0.0	94	241307	10.4	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
36 Hexane	57	10.648	10.648	0.0	89	606933	11.5
37 1,1-Dichloroethane	63	11.199	11.199	0.0	99	779270	9.26
38 Vinyl acetate	43	11.236	11.236	0.0	99	841454	10.8
39 cis-1,2-Dichloroethene	96	12.376	12.376	0.0	98	544569	9.94
40 2-Butanone (MEK)	72	12.392	12.392	0.0	98	220939	9.57
42 Ethyl acetate	88	12.408	12.408	0.0	98	47985	10.7
44 Tetrahydrofuran	42	12.852	12.852	0.0	86	338435	9.88
* 43 Chlorobromomethane	128	12.852	12.852	0.0	69	375523	10.0
45 Chloroform	83	12.964	12.964	0.0	100	1211460	9.63
46 Cyclohexane	84	13.258	13.258	0.0	83	691595	10.5
47 1,1,1-Trichloroethane	97	13.280	13.280	0.0	94	1497127	9.90
48 Carbon tetrachloride	117	13.531	13.531	0.0	98	1642584	9.51
51 Isooctane	57	13.927	13.927	0.0	97	1905134	10.8
50 Benzene	78	13.986	13.986	0.0	95	1462517	9.27
52 1,2-Dichloroethane	62	14.141	14.141	0.0	99	807719	10.1
53 n-Heptane	43	14.275	14.275	0.0	80	604544	11.0
* 54 1,4-Difluorobenzene	114	14.746	14.746	0.0	93	1810989	10.0
A 57 GRO	1	14.772	6.674 -	22.866	0	206010599	0
55 n-Butanol	56	15.024	15.024	0.0	86	153253	7.83
56 Trichloroethene	95	15.206	15.206	0.0	96	794946	9.79
58 1,2-Dichloropropane	63	15.730	15.730	0.0	83	449222	9.35
59 Methyl methacrylate	69	15.810	15.810	0.0	76	506883	10.2
60 1,4-Dioxane	88	15.901	15.901	0.0	84	211481	7.65
61 Dibromomethane	174	15.971	15.971	0.0	88	887974	8.91
62 Dichlorobromomethane	83	16.222	16.222	0.0	98	1350171	9.71
A 63 TVOC as Toluene	1	16.620	4.368 -	28.889	0	356581210	2715.1
64 cis-1,3-Dichloropropene	75	17.083	17.083	0.0	91	860828	10.9
65 4-Methyl-2-pentanone (MIBK)	43	17.319	17.319	0.0	91	783271	10.2
A 68 C8 Range	1	17.656	17.606 -	17.706	0	8582301	NC
69 n-Octane	43	17.656	17.656	0.0	79	801080	11.0
A 67 Toluene Range	1	17.661	17.621 -	17.701	0	8582301	NC
66 Toluene	92	17.661	17.661	0.0	93	1173170	9.79
70 trans-1,3-Dichloropropene	75	18.191	18.191	0.0	96	968605	10.7
71 1,1,2-Trichloroethane	83	18.560	18.560	0.0	91	551029	9.23
72 Tetrachloroethene	166	18.694	18.694	0.0	99	1412815	9.48
73 2-Hexanone	43	18.950	18.950	0.0	91	682736	10.1
74 Chlorodibromomethane	129	19.314	19.314	0.0	97	1587658	9.57
75 Ethylene Dibromide	107	19.598	19.598	0.0	99	1191851	9.84
S 82 Xylenes, Total	106				0		29.8
* 76 Chlorobenzene-d5	117	20.443	20.443	0.0	79	1651635	10.0
77 Chlorobenzene	112	20.496	20.496	0.0	96	1797480	8.97
78 Ethylbenzene	91	20.614	20.614	0.0	97	2815775	10.1
79 n-Nonane	57	20.673	20.673	0.0	78	949095	10.2
80 m-Xylene & p-Xylene	106	20.833	20.833	0.0	99	2185385	19.4
83 o-Xylene	106	21.545	21.545	0.0	94	1107428	10.4
84 Styrene	104	21.582	21.582	0.0	95	1657151	10.5
85 Bromoform	173	21.962	21.962	0.0	99	1620005	9.71
86 Isopropylbenzene	105	22.112	22.112	0.0	95	3503795	10.7
$ 87 4-Bromofluorobenzene	95	22.444	22.444	0.0	95	1222111	NC
88 1,1,2,2-Tetrachloroethane	83	22.668	22.668	0.0	94	1456904	8.98
90 N-Propylbenzene	91	22.743	22.743	0.0	99	3944568	10.3
89 1,2,3-Trichloropropane	75	22.770	22.770	0.0	92	1170329	9.37

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane	57	22.856	22.856	0.0	82	1285177	9.83
91 4-Ethyltoluene	105	22.909	22.909	0.0	86	3659577	10.0
92 2-Chlorotoluene	91	22.941	22.941	0.0	91	3058752	9.59
94 1,3,5-Trimethylbenzene	105	23.000	23.000	0.0	92	3321159	9.84
95 Alpha Methyl Styrene	118	23.353	23.353	0.0	88	1573879	11.2
96 tert-Butylbenzene	119	23.476	23.476	0.0	90	3251684	9.92
97 1,2,4-Trimethylbenzene	105	23.573	23.573	0.0	97	3256557	10.1
98 sec-Butylbenzene	105	23.808	23.808	0.0	98	4395029	9.90
99 4-Isopropyltoluene	119	24.011	24.011	0.0	82	3996124	10.2
100 1,3-Dichlorobenzene	146	24.081	24.081	0.0	97	2182470	9.30
101 1,4-Dichlorobenzene	146	24.225	24.225	0.0	95	2128407	9.74
102 Benzyl chloride	91	24.434	24.434	0.0	99	1945267	9.91
104 Undecane	57	24.626	24.626	0.0	88	1281848	9.67
103 n-Butylbenzene	91	24.653	24.653	0.0	97	2863480	9.67
105 1,2-Dichlorobenzene	146	24.830	24.830	0.0	97	2129141	9.32
106 Dodecane	57	26.435	26.435	0.0	89	776872	8.96
107 1,2,4-Trichlorobenzene	180	27.724	27.724	0.0	93	910250	7.75
108 Hexachlorobutadiene	225	27.927	27.927	0.0	94	1661925	8.95
109 Naphthalene	128	28.312	28.312	0.0	99	1637524	7.15
110 1,2,3-Trichlorobenzene	180	28.879	28.879	0.0	95	820482	7.50

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

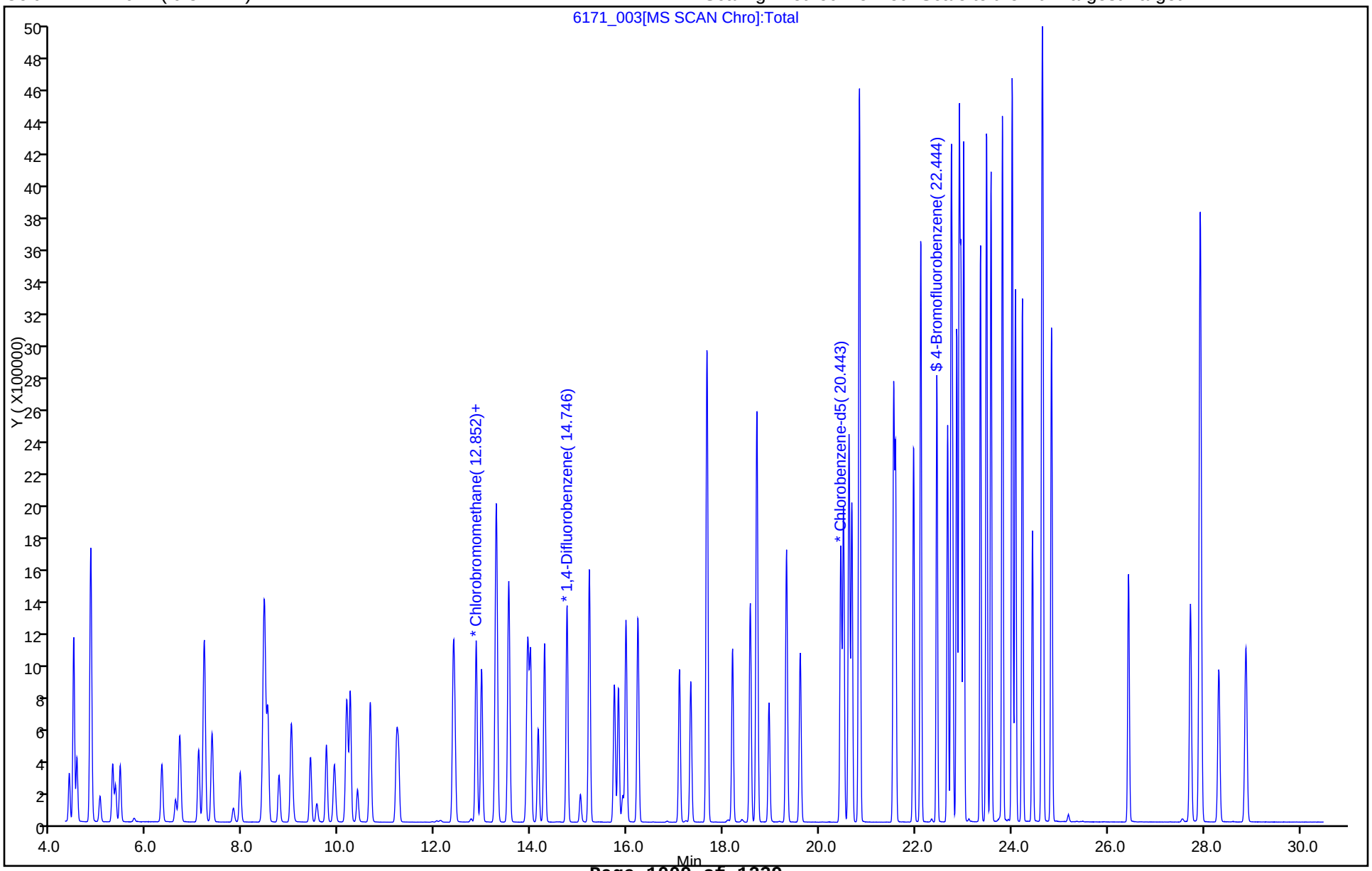
Report Date: 18-Feb-2014 11:49:34 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140217-6171.b\6171_003.d

Injection Date:	17-Feb-2014 11:32:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	LCS	Lab Sample ID:	LCS 200-68420/3-A	Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: LCS 200-68679/3

Matrix: Air Lab File ID: 6267_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 12:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	8.98		0.50	0.030
75-45-6	Freon 22	86.47	8.83		0.50	0.048
76-14-2	Freon-114	170.92	9.89		0.20	0.035
74-87-3	Chloromethane	50.49	8.50		0.50	0.14
106-97-8	n-Butane	58.12	8.85		0.50	0.28
75-01-4	Vinyl chloride	62.50	8.30		0.040	0.038
106-99-0	1,3-Butadiene	54.09	8.47		0.20	0.042
74-83-9	Bromomethane	94.94	9.02		0.20	0.028
75-00-3	Chloroethane	64.52	8.92		0.50	0.030
593-60-2	Vinyl bromide	106.96	9.04		0.20	0.030
75-69-4	Freon 11	137.37	8.79		0.20	0.030
76-13-1	Freon 113	187.38	9.04		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	8.79		0.20	0.024
67-64-1	Acetone	58.08	11.2		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	7.72		5.0	0.22
75-15-0	Carbon disulfide	76.14	10.2		0.50	0.066
107-05-1	Allyl chloride	76.53	8.56		0.50	0.034
75-09-2	Methylene Chloride	84.93	8.89		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	8.24		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	9.10		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	9.62		0.20	0.029
110-54-3	Hexane	86.17	9.59		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	9.09		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	8.96		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	8.92		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	18.5		0.20	0.064
67-66-3	Chloroform	119.38	9.06		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	9.27		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	9.11		0.20	0.021
110-82-7	Cyclohexane	84.16	9.16		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	9.01		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	9.02		0.20	0.027
71-43-2	Benzene	78.11	9.03		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	9.05		0.20	0.017
142-82-5	Heptane	100.21	8.72		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: LCS 200-68679/3

Matrix: Air Lab File ID: 6267_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 12:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	8.88		0.040	0.024
80-62-6	Methyl methacrylate	100.12	9.86		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	9.10		0.20	0.032
123-91-1	1,4-Dioxane	88.11	8.27		5.0	0.20
75-27-4	Bromodichloromethane	163.83	9.43		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	9.53		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	9.16		0.50	0.027
108-88-3	Toluene	92.14	9.06		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	9.56		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	9.05		0.20	0.017
127-18-4	Tetrachloroethene	165.83	8.97		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.24		0.50	0.20
124-48-1	Dibromochloromethane	208.29	9.38		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	9.47		0.20	0.020
108-90-7	Chlorobenzene	112.56	9.21		0.20	0.0081
100-41-4	Ethylbenzene	106.17	9.13		0.20	0.013
179601-23-1	m,p-Xylene	106.17	18.2		0.50	0.023
95-47-6	Xylene, o-	106.17	8.98		0.20	0.016
1330-20-7	Xylene (total)	106.17	27.2		0.20	0.034
100-42-5	Styrene	104.15	9.67		0.20	0.018
75-25-2	Bromoform	252.75	9.91		0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.17		0.20	0.016
103-65-1	n-Propylbenzene	120.19	9.19		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	9.45		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	9.06		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	9.02		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	8.91		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	9.21		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	9.09		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	9.26		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	9.97		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	10.0		0.20	0.014
100-44-7	Benzyl chloride	126.58	9.43		0.20	0.080
104-51-8	n-Butylbenzene	134.22	9.42		0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: LCS 200-68679/3

Matrix: Air Lab File ID: 6267_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 12:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.72		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	9.29		0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	12.1		0.20	0.022
91-20-3	Naphthalene	128.17	8.79		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_003.D
Lims ID: LCS Lab Sample ID: LCS 200-68745/3-A
Client ID:
Sample Type: LCS
Inject. Date: 21-Feb-2014 12:36:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006267-003
Misc. Info.: lcs
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:38:08 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.057	0.001	96	243986	8.49	
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	99	1981614	8.98	
6 Chlorodifluoromethane	51	3.181	3.181	0.001	94	733422	8.83	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	93	1868207	9.89	
8 Chloromethane	50	3.539	3.539	0.0	99	356186	8.50	
9 Butane	43	3.758	3.758	0.0	97	488687	8.85	
10 Vinyl chloride	62	3.796	3.796	0.0	97	476424	8.30	
11 Butadiene	54	3.882	3.876	0.006	92	283580	8.47	
12 Bromomethane	94	4.577	4.577	0.0	99	737200	9.02	
14 Chloroethane	64	4.828	4.828	0.0	100	203311	8.92	
15 2-Methylbutane	43	4.925	4.919	0.006	86	341395	9.44	
16 Vinyl bromide	106	5.235	5.229	0.006	97	801910	9.04	
17 Trichlorofluoromethane	101	5.353	5.347	0.006	98	2215052	8.79	
18 Pentane	43	5.508	5.508	0.0	94	549589	9.83	
13 BFB								
19 Ethanol	45	5.925	5.925	0.0	96	197116	14.7	
21 Ethyl ether	59	6.043	6.037	0.006	95	278451	9.89	
22 Acrolein	56	6.401	6.406	-0.005	96	144619	10.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	94	1429877	9.04	
24 1,1-Dichloroethene	96	6.498	6.497	0.001	93	588337	8.79	
25 Acetone	43	6.722	6.717	0.005	86	689046	11.2	
26 Carbon disulfide	76	6.883	6.883	0.001	98	1671049	10.2	
27 Isopropyl alcohol	45	7.038	7.038	0.0	98	384775	7.72	
29 3-Chloro-1-propene	41	7.305	7.300	0.005	82	378409	8.56	
30 Acetonitrile	41	7.402	7.401	0.001	98	215169	9.04	
31 Methylene Chloride	49	7.600	7.599	0.001	80	441695	8.89	
32 2-Methyl-2-propanol	59	7.840	7.835	0.005	98	729916	8.24	
33 Methyl tert-butyl ether	73	8.038	8.038	0.0	94	1432460	9.10	
34 trans-1,2-Dichloroethene	61	8.065	8.059	0.006	87	703167	9.62	
35 Acrylonitrile	53	8.188	8.182	0.006	93	253911	9.45	
36 Hexane	57	8.493	8.493	0.0	91	566123	9.59	
37 1,1-Dichloroethane	63	8.948	8.947	0.001	99	940883	9.09	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	38 Vinyl acetate	43	9.044	9.044 0.0	99	938564	9.06	
	39 cis-1,2-Dichloroethene	96	10.087	10.087 0.0	91	808796	8.92	
	40 2-Butanone (MEK)	72	10.141	10.135 0.006	97	274814	8.96	
S	41 1,2-Dichloroethene, Total	61			0		18.5	
	42 Ethyl acetate	88	10.210	10.215 -0.005	98	47224	10.2	
*	43 Chlorobromomethane	128	10.558	10.563 -0.005	68	703205	10.0	
	44 Tetrahydrofuran	42	10.574	10.579 -0.005	81	440175	9.27	
	45 Chloroform	83	10.702	10.702 0.0	99	1820986	9.06	
	46 Cyclohexane	84	10.991	10.991 0.0	83	913242	9.16	
	47 1,1,1-Trichloroethane	97	11.002	11.002 0.0	95	2148040	9.11	
	48 Carbon tetrachloride	117	11.275	11.269 0.006	96	2708424	9.01	
	50 Benzene	78	11.740	11.740 0.0	94	2406160	9.03	
	51 Isooctane	57	11.762	11.761 0.001	98	2869315	9.02	
	52 1,2-Dichloroethane	62	11.911	11.911 0.0	99	1203371	9.05	
	53 n-Heptane	43	12.174	12.168 0.006	86	1030492	8.72	
*	54 1,4-Difluorobenzene	114	12.623	12.623 0.0	91	3992867	10.0	
	55 n-Butanol	56	13.019	13.019 0.0	85	367740	8.07	
	56 Trichloroethene	95	13.115	13.110 0.005	94	1676887	8.88	
A	57 GRO	1	13.294	4.909 - 21.679	0	386457431	0	
	58 1,2-Dichloropropane	63	13.677	13.682 -0.005	91	1141661	9.10	
	59 Methyl methacrylate	69	13.885	13.880 0.005	79	1069333	9.86	
	60 1,4-Dioxane	88	13.918	13.917 0.001	84	485204	8.27	
	61 Dibromomethane	174	13.939	13.939 0.0	92	2043492	9.69	
	62 Dichlorobromomethane	83	14.249	14.249 0.0	97	2937487	9.43	
A	63 TVOC as Toluene	1	15.022	3.047 - 26.997	0	612241451	2093.0	
	64 cis-1,3-Dichloropropene	75	15.228	15.228 0.0	87	2021509	9.53	
	65 4-Methyl-2-pentanone (MIBK)	43	15.533	15.528 0.005	93	1787531	9.16	
	66 Toluene	92	15.849	15.849 0.0	94	2782828	9.06	
	69 n-Octane	43	15.961	15.961 0.0	85	1850659	9.05	
	70 trans-1,3-Dichloropropene	75	16.443	16.437 0.006	93	2064980	9.56	
	71 1,1,2-Trichloroethane	83	16.817	16.812 0.005	94	1393066	9.05	
	72 Tetrachloroethene	166	16.967	16.961 0.006	97	2961301	8.97	
	73 2-Hexanone	43	17.288	17.282 0.006	92	1698908	9.24	
	74 Chlorodibromomethane	129	17.587	17.587 0.0	97	3725852	9.38	
	75 Ethylene Dibromide	107	17.866	17.860 0.006	99	2933216	9.47	
*	76 Chlorobenzene-d5	117	18.786	18.786 0.0	81	4193236	10.0	
	77 Chlorobenzene	112	18.850	18.844 0.006	98	4103505	9.21	
	78 Ethylbenzene	91	19.016	19.016 0.0	96	5822993	9.13	
	79 n-Nonane	57	19.182	19.181 0.001	82	2027719	8.93	
	80 m-Xylene & p-Xylene	106	19.267	19.272 -0.005	99	4745933	18.2	
S	82 Xylenes, Total	106			0		27.2	
	83 o-Xylene	106	20.096	20.102 -0.006	95	2445685	8.98	
	84 Styrene	104	20.145	20.144 0.001	97	3504437	9.67	
	85 Bromoform	173	20.530	20.530 0.0	98	3721418	9.91	
	86 Isopropylbenzene	105	20.765	20.765 0.0	94	6747193	9.00	
$	87 4-Bromofluorobenzene	95	21.108	21.107 0.001	98	2471402	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.364	21.364 0.0	97	3395512	9.17	
	89 1,2,3-Trichloropropane	75	21.461	21.460 0.001	95	2243446	9.14	
	90 N-Propylbenzene	91	21.471	21.471 0.0	99	7110833	9.19	
	92 2-Chlorotoluene	91	21.653	21.653 0.0	88	4720471	9.02	
	91 4-Ethyltoluene	105	21.653	21.653 0.0	90	5948367	9.45	
	93 n-Decane	57	21.669	21.669 0.0	83	2100729	9.09	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
94	1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	93	5641449	9.06	
95	Alpha Methyl Styrene	118	22.113	22.113	0.0	90	2840197	9.96	
96	tert-Butylbenzene	119	22.242	22.242	0.0	91	5632287	8.91	
97	1,2,4-Trimethylbenzene	105	22.333	22.332	0.001	95	5545386	9.21	
98	sec-Butylbenzene	105	22.563	22.562	0.001	99	7990387	9.09	
99	4-Isopropyltoluene	119	22.761	22.760	0.001	95	6756718	9.26	
100	1,3-Dichlorobenzene	146	22.777	22.776	0.001	99	3730303	9.97	
101	1,4-Dichlorobenzene	146	22.910	22.910	0.0	97	3641925	10.0	
102	Benzyl chloride	91	23.103	23.103	0.0	100	3630787	9.43	
103	n-Butylbenzene	91	23.338	23.338	0.0	93	5413110	9.42	
104	Undecane	57	23.381	23.381	0.0	91	2585565	9.60	
105	1,2-Dichlorobenzene	146	23.451	23.451	0.0	99	3837422	9.72	
106	Dodecane	57	25.007	25.007	0.0	92	502316	11.9	
107	1,2,4-Trichlorobenzene	180	26.013	26.013	0.0	93	2057036	9.29	
108	Hexachlorobutadiene	225	26.227	26.227	0.0	93	2264422	12.1	
109	Naphthalene	128	26.505	26.505	0.0	99	4639219	8.79	
110	1,2,3-Trichlorobenzene	180	26.987	26.987	0.0	96	2033720	11.2	

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

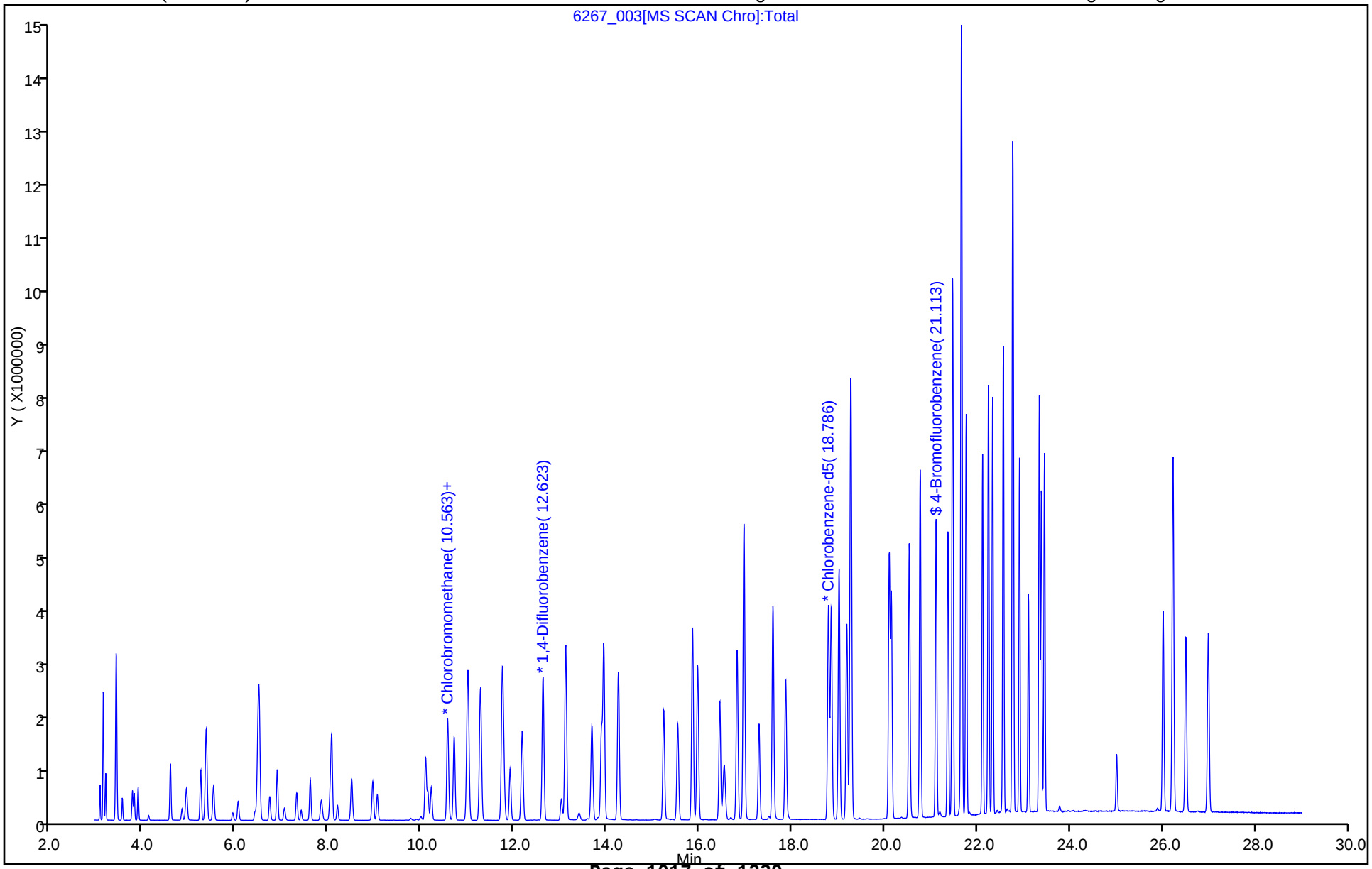
Report Date: 24-Feb-2014 11:38:09 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_003.D

Injection Date:	21-Feb-2014 12:36:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	LCS	Lab Sample ID:	LCS 200-68745/3-A	Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: LCS 200-68730/3

Matrix: Air Lab File ID: 6282_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 12:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	8.87		0.50	0.030
75-45-6	Freon 22	86.47	8.79		0.50	0.048
76-14-2	Freon-114	170.92	9.45		0.20	0.035
74-87-3	Chloromethane	50.49	8.46		0.50	0.14
106-97-8	n-Butane	58.12	9.17		0.50	0.28
75-01-4	Vinyl chloride	62.50	8.29		0.040	0.038
106-99-0	1,3-Butadiene	54.09	8.98		0.20	0.042
74-83-9	Bromomethane	94.94	8.31		0.20	0.028
75-00-3	Chloroethane	64.52	8.51		0.50	0.030
593-60-2	Vinyl bromide	106.96	9.15		0.20	0.030
75-69-4	Freon 11	137.37	8.59		0.20	0.030
76-13-1	Freon 113	187.38	8.70		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	9.34		0.20	0.024
67-64-1	Acetone	58.08	9.94		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	8.46		5.0	0.22
75-15-0	Carbon disulfide	76.14	10.3		0.50	0.066
107-05-1	Allyl chloride	76.53	9.58		0.50	0.034
75-09-2	Methylene Chloride	84.93	8.94		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	8.99		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	10.6		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	9.87		0.20	0.029
110-54-3	Hexane	86.17	11.1		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	8.75		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	9.47		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	9.53		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	19.4		0.20	0.064
67-66-3	Chloroform	119.38	8.94		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	9.51		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	8.99		0.20	0.021
110-82-7	Cyclohexane	84.16	10.2		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	8.59		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	10.5		0.20	0.027
71-43-2	Benzene	78.11	9.01		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	9.08		0.20	0.017
142-82-5	Heptane	100.21	10.5		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: LCS 200-68730/3

Matrix: Air Lab File ID: 6282_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 12:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	9.44		0.040	0.024
80-62-6	Methyl methacrylate	100.12	9.95		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	9.06		0.20	0.032
123-91-1	1,4-Dioxane	88.11	8.81		5.0	0.20
75-27-4	Bromodichloromethane	163.83	9.00		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	10.5		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	9.70		0.50	0.027
108-88-3	Toluene	92.14	9.69		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	10.1		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	9.17		0.20	0.017
127-18-4	Tetrachloroethene	165.83	9.22		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.74		0.50	0.20
124-48-1	Dibromochloromethane	208.29	9.14		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	9.57		0.20	0.020
108-90-7	Chlorobenzene	112.56	8.91		0.20	0.0081
100-41-4	Ethylbenzene	106.17	9.74		0.20	0.013
179601-23-1	m,p-Xylene	106.17	19.0		0.50	0.023
95-47-6	Xylene, o-	106.17	10.2		0.20	0.016
1330-20-7	Xylene (total)	106.17	29.2		0.20	0.034
100-42-5	Styrene	104.15	10.3		0.20	0.018
75-25-2	Bromoform	252.75	9.24		0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	8.76		0.20	0.016
103-65-1	n-Propylbenzene	120.19	9.84		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	9.67		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	9.32		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	9.09		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	9.50		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	9.60		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	9.52		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	9.81		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	9.12		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	9.63		0.20	0.014
100-44-7	Benzyl chloride	126.58	9.76		0.20	0.080
104-51-8	n-Butylbenzene	134.22	9.20		0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: LCS 200-68730/3

Matrix: Air Lab File ID: 6282_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 12:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.05		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	8.37		0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	8.77		0.20	0.022
91-20-3	Naphthalene	128.17	8.30		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_003.d
Lims ID: LCS Lab Sample ID: LCS 200-68730/3-A
Client ID:
Sample Type: LCS
Inject. Date: 24-Feb-2014 12:29:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006282-003
Misc. Info.: LCS
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 16:53:24 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: lyonsb Date: 24-Feb-2014 15:16:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.367	4.367	0.0	96	251306	8.60	
2 Dichlorodifluoromethane	85	4.463	4.463	0.0	99	1796394	8.87	
6 Chlorodifluoromethane	51	4.528	4.528	0.0	93	674710	8.79	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.816	4.816	0.0	91	1632297	9.45	
8 Chloromethane	50	5.009	5.009	0.0	98	294853	8.46	
9 Butane	43	5.276	5.276	0.0	96	518013	9.17	
10 Vinyl chloride	62	5.335	5.335	0.0	97	416130	8.29	
11 Butadiene	54	5.432	5.432	0.0	93	277310	8.98	
12 Bromomethane	94	6.298	6.298	0.0	98	431336	8.31	
13 BFB								
14 Chloroethane	64	6.587	6.587	0.0	95	227129	8.51	
15 2-Methylbutane	43	6.673	6.673	0.0	86	403334	9.35	
16 Vinyl bromide	106	7.063	7.063	0.0	97	632785	9.15	
17 Trichlorofluoromethane	101	7.181	7.181	0.0	98	1950386	8.59	
18 Pentane	43	7.347	7.347	0.0	94	643125	10.6	
19 Ethanol	45	7.796	7.796	0.0	99	207952	16.4	
21 Ethyl ether	59	7.935	7.935	0.0	90	346349	11.0	
22 Acrolein	56	8.395	8.395	0.0	97	150295	11.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.433	8.433	0.0	93	1235929	8.70	
24 1,1-Dichloroethene	96	8.508	8.508	0.0	94	571710	9.34	
25 Acetone	43	8.743	8.743	0.0	87	639288	9.94	
26 Carbon disulfide	76	8.995	8.995	0.0	99	1452145	10.3	
27 Isopropyl alcohol	45	9.027	9.027	0.0	95	455684	8.46	
29 3-Chloro-1-propene	41	9.401	9.401	0.0	81	417021	9.58	
30 Acetonitrile	41	9.530	9.530	0.0	98	229312	9.73	
31 Methylene Chloride	49	9.727	9.727	0.0	79	400147	8.94	
32 2-Methyl-2-propanol	59	9.904	9.904	0.0	99	878699	8.99	
33 Methyl tert-butyl ether	73	10.155	10.155	0.0	95	1722441	10.6	
S 41 1,2-Dichloroethene, Total	61				0		19.4	
34 trans-1,2-Dichloroethene	61	10.230	10.230	0.0	88	728023	9.87	
35 Acrylonitrile	53	10.380	10.380	0.0	93	272249	9.92	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
36 Hexane	57	10.648	10.648	0.0	89	687505	11.1
37 1,1-Dichloroethane	63	11.193	11.193	0.0	99	868690	8.75
38 Vinyl acetate	43	11.236	11.236	0.0	99	922999	10.0
39 cis-1,2-Dichloroethene	96	12.370	12.370	0.0	96	616222	9.53
40 2-Butanone (MEK)	72	12.386	12.386	0.0	99	257790	9.47
42 Ethyl acetate	88	12.408	12.408	0.0	98	56107	10.6
44 Tetrahydrofuran	42	12.846	12.846	0.0	83	381041	9.51
* 43 Chlorobromomethane	128	12.857	12.857	0.0	69	442925	10.0
45 Chloroform	83	12.964	12.964	0.0	100	1326315	8.94
46 Cyclohexane	84	13.258	13.258	0.0	82	787811	10.2
47 1,1,1-Trichloroethane	97	13.274	13.274	0.0	93	1588759	8.99
48 Carbon tetrachloride	117	13.531	13.531	0.0	97	1734513	8.59
51 Isooctane	57	13.922	13.922	0.0	97	2159988	10.5
50 Benzene	78	13.980	13.980	0.0	94	1663325	9.01
52 1,2-Dichloroethane	62	14.141	14.141	0.0	99	848364	9.08
53 n-Heptane	43	14.269	14.269	0.0	82	673235	10.5
* 54 1,4-Difluorobenzene	114	14.745	14.745	0.0	92	2117890	10.0
A 57 GRO	1	14.764	6.663 - 22.866		0	227562774	0
55 n-Butanol	56	15.024	15.024	0.0	84	203718	8.90
56 Trichloroethene	95	15.206	15.206	0.0	95	897045	9.44
58 1,2-Dichloropropane	63	15.730	15.730	0.0	85	509276	9.06
59 Methyl methacrylate	69	15.810	15.810	0.0	76	579834	9.95
60 1,4-Dioxane	88	15.901	15.901	0.0	84	284548	8.81
61 Dibromomethane	174	15.971	15.971	0.0	89	1014873	8.71
62 Dichlorobromomethane	83	16.217	16.217	0.0	98	1464325	9.00
A 63 TVOC as Toluene	1	16.623	4.357 - 28.889		0	396084511	2578.9
64 cis-1,3-Dichloropropene	75	17.083	17.083	0.0	90	962126	10.5
65 4-Methyl-2-pentanone (MIBK)	43	17.319	17.319	0.0	90	873591	9.70
A 68 C8 Range	1	17.656	17.606 - 17.706		0	9597893	NC
69 n-Octane	43	17.656	17.656	0.0	78	889945	10.4
66 Toluene	92	17.656	17.656	0.0	93	1345364	9.69
A 67 Toluene Range	1	17.656	17.616 - 17.696		0	9597893	NC
70 trans-1,3-Dichloropropene	75	18.191	18.191	0.0	95	1063759	10.1
71 1,1,2-Trichloroethane	83	18.554	18.554	0.0	92	634935	9.17
72 Tetrachloroethene	166	18.699	18.699	0.0	98	1593894	9.22
73 2-Hexanone	43	18.945	18.945	0.0	91	761370	9.74
74 Chlorodibromomethane	129	19.314	19.314	0.0	97	1757290	9.14
75 Ethylene Dibromide	107	19.598	19.598	0.0	99	1345374	9.57
S 82 Xylenes, Total	106				0		29.2
* 76 Chlorobenzene-d5	117	20.443	20.443	0.0	82	1915306	10.0
77 Chlorobenzene	112	20.496	20.496	0.0	97	2071273	8.91
78 Ethylbenzene	91	20.614	20.614	0.0	96	3161626	9.74
79 n-Nonane	57	20.673	20.673	0.0	78	1071141	9.89
80 m-Xylene & p-Xylene	106	20.833	20.833	0.0	100	2491780	19.0
83 o-Xylene	106	21.545	21.545	0.0	94	1255449	10.2
84 Styrene	104	21.582	21.582	0.0	95	1887709	10.3
85 Bromoform	173	21.957	21.957	0.0	99	1788011	9.24
86 Isopropylbenzene	105	22.107	22.107	0.0	95	3916347	10.3
$ 87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1361886	NC
88 1,1,2,2-Tetrachloroethane	83	22.668	22.668	0.0	94	1648681	8.76
90 N-Propylbenzene	91	22.743	22.743	0.0	98	4348009	9.84
89 1,2,3-Trichloropropane	75	22.770	22.770	0.0	93	1287017	8.89

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane	57	22.856	22.856	0.0	82	1447368	9.55
91 4-Ethyltoluene	105	22.909	22.909	0.0	97	4089000	9.67
92 2-Chlorotoluene	91	22.941	22.941	0.0	90	3360659	9.09
94 1,3,5-Trimethylbenzene	105	23.000	23.000	0.0	92	3645255	9.32
95 Alpha Methyl Styrene	118	23.348	23.348	0.0	89	1769273	10.9
96 tert-Butylbenzene	119	23.476	23.476	0.0	93	3609004	9.50
97 1,2,4-Trimethylbenzene	105	23.567	23.567	0.0	97	3585568	9.60
98 sec-Butylbenzene	105	23.808	23.808	0.0	97	4900166	9.52
99 4-Isopropyltoluene	119	24.011	24.011	0.0	92	4439572	9.81
100 1,3-Dichlorobenzene	146	24.081	24.081	0.0	97	2481243	9.12
101 1,4-Dichlorobenzene	146	24.225	24.225	0.0	96	2439983	9.63
102 Benzyl chloride	91	24.434	24.434	0.0	100	2221148	9.76
104 Undecane	57	24.626	24.626	0.0	88	1442665	9.39
103 n-Butylbenzene	91	24.648	24.648	0.0	97	3160214	9.20
105 1,2-Dichlorobenzene	146	24.830	24.830	0.0	98	2398120	9.05
106 Dodecane	57	26.435	26.435	0.0	89	959006	9.53
107 1,2,4-Trichlorobenzene	180	27.729	27.729	0.0	94	1138677	8.37
108 Hexachlorobutadiene	225	27.932	27.932	0.0	95	1888540	8.77
109 Naphthalene	128	28.312	28.312	0.0	99	2203604	8.30
110 1,2,3-Trichlorobenzene	180	28.879	28.879	0.0	94	1047028	8.25

WorkSheet Quantitation Report

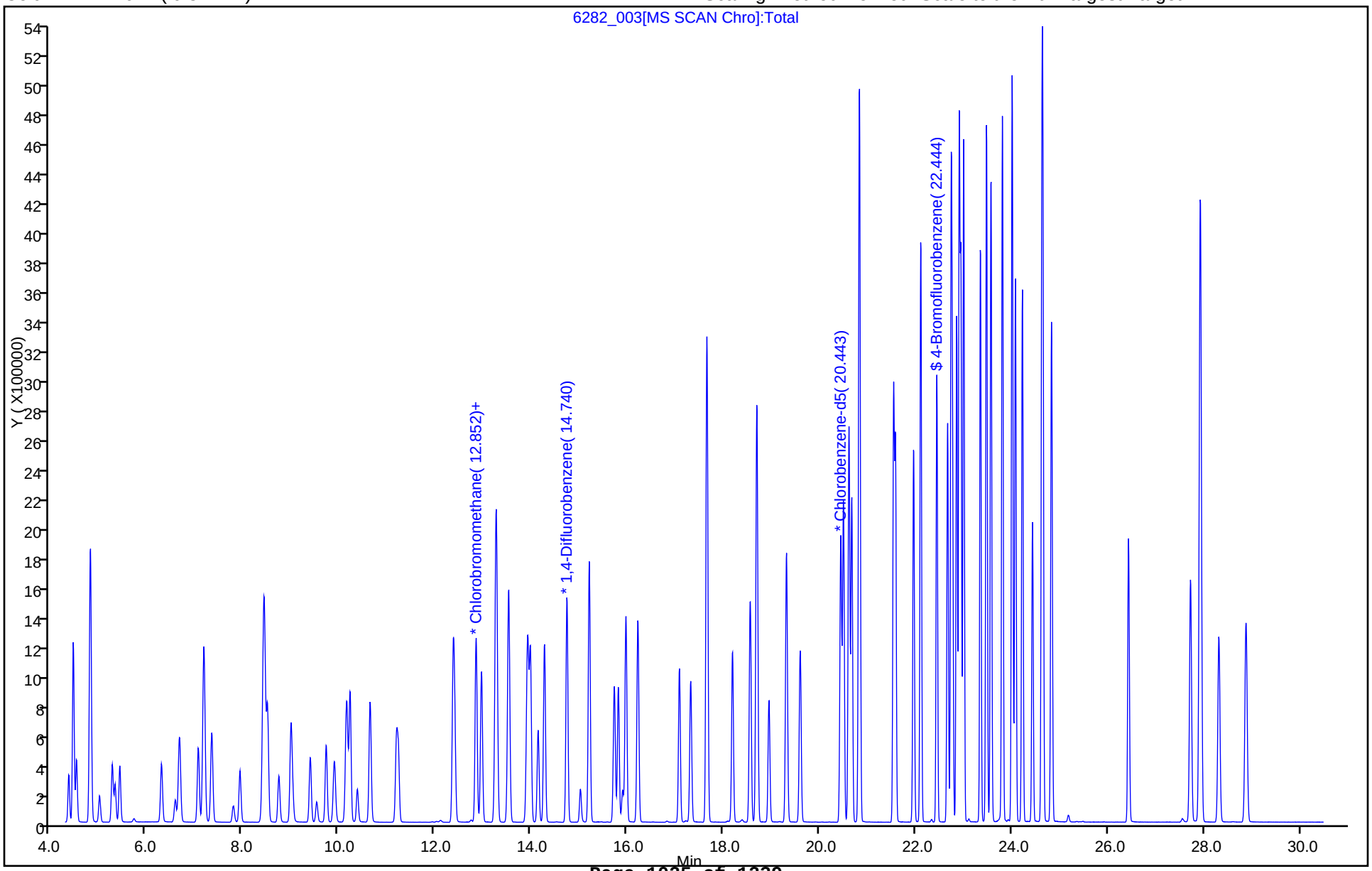
Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 24-Feb-2014 16:53:25 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_003.d				
Injection Date:	24-Feb-2014 12:29:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	LCS	Lab Sample ID:	LCS 200-68730/3-A	Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: LCS 200-68811/3

Matrix: Air Lab File ID: 6318_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/25/2014 13:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68811 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	10.4		0.50	0.030
75-45-6	Freon 22	86.47	10.7		0.50	0.048
76-14-2	Freon-114	170.92	10.4		0.20	0.035
74-87-3	Chloromethane	50.49	10.6		0.50	0.14
106-97-8	n-Butane	58.12	10.6		0.50	0.28
75-01-4	Vinyl chloride	62.50	10.1		0.040	0.038
106-99-0	1,3-Butadiene	54.09	10.5		0.20	0.042
74-83-9	Bromomethane	94.94	10.3		0.20	0.028
75-00-3	Chloroethane	64.52	10.3		0.50	0.030
593-60-2	Vinyl bromide	106.96	10.4		0.20	0.030
75-69-4	Freon 11	137.37	10.1		0.20	0.030
76-13-1	Freon 113	187.38	10.2		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	10.2		0.20	0.024
67-64-1	Acetone	58.08	10.0		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	10.7		5.0	0.22
75-15-0	Carbon disulfide	76.14	10.4		0.50	0.066
107-05-1	Allyl chloride	76.53	10.6		0.50	0.034
75-09-2	Methylene Chloride	84.93	10.3		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	10.4		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	10.5		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	10.5		0.20	0.029
110-54-3	Hexane	86.17	10.3		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	10.4		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	9.83		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	10.4		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	20.9		0.20	0.064
67-66-3	Chloroform	119.38	10.2		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	10.7		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	10.1		0.20	0.021
110-82-7	Cyclohexane	84.16	10.3		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	10.0		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	10.4		0.20	0.027
71-43-2	Benzene	78.11	10.2		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	10.2		0.20	0.017
142-82-5	Heptane	100.21	9.98		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: LCS 200-68811/3

Matrix: Air Lab File ID: 6318_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/25/2014 13:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68811 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	9.84		0.040	0.024
80-62-6	Methyl methacrylate	100.12	10.7		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	10.4		0.20	0.032
123-91-1	1,4-Dioxane	88.11	10.8		5.0	0.20
75-27-4	Bromodichloromethane	163.83	10.6		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	10.7		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	10.6		0.50	0.027
108-88-3	Toluene	92.14	10.2		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	10.7		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	10.2		0.20	0.017
127-18-4	Tetrachloroethene	165.83	10.0		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	11.0		0.50	0.20
124-48-1	Dibromochloromethane	208.29	10.9		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	10.6		0.20	0.020
108-90-7	Chlorobenzene	112.56	10.4		0.20	0.0081
100-41-4	Ethylbenzene	106.17	10.4		0.20	0.013
179601-23-1	m,p-Xylene	106.17	20.9		0.50	0.023
95-47-6	Xylene, o-	106.17	10.5		0.20	0.016
1330-20-7	Xylene (total)	106.17	31.4		0.20	0.034
100-42-5	Styrene	104.15	11.2		0.20	0.018
75-25-2	Bromoform	252.75	11.3		0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.4		0.20	0.016
103-65-1	n-Propylbenzene	120.19	10.6		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	10.7		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	10.5		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	10.3		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	10.3		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	10.6		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	10.5		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	10.7		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	11.4		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	11.6		0.20	0.014
100-44-7	Benzyl chloride	126.58	11.9		0.20	0.080
104-51-8	n-Butylbenzene	134.22	11.0		0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: LCS 200-68811/3

Matrix: Air Lab File ID: 6318_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/25/2014 13:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68811 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	11.1		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	11.3		0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	14.5		0.20	0.022
91-20-3	Naphthalene	128.17	12.0		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_003.D
Lims ID: LCS Lab Sample ID: LCS 200-68813/3-A
Client ID:
Sample Type: LCS
Inject. Date: 25-Feb-2014 13:51:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006318-003
Misc. Info.: CCVIS
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 26-Feb-2014 11:33:24 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: lyonsb Date: 25-Feb-2014 14:52:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.057	3.057	0.0	97	289924	10.3	
2 Dichlorodifluoromethane	85	3.132	3.132	0.0	99	2254699	10.4	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	94	867849	10.7	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	90	1924265	10.4	
8 Chloromethane	50	3.539	3.539	0.0	99	436982	10.6	
9 Butane	43	3.758	3.758	0.0	96	573417	10.6	
10 Vinyl chloride	62	3.796	3.796	0.0	96	565934	10.1	
11 Butadiene	54	3.881	3.881	0.0	92	343400	10.5	
12 Bromomethane	94	4.577	4.577	0.0	98	823540	10.3	
13 BFB								
14 Chloroethane	64	4.828	4.828	0.0	100	228832	10.3	
15 2-Methylbutane	43	4.925	4.925	0.0	86	353853	10.0	
16 Vinyl bromide	106	5.235	5.235	0.0	97	908067	10.4	
17 Trichlorofluoromethane	101	5.353	5.353	0.0	98	2488128	10.1	
18 Pentane	43	5.508	5.508	0.0	94	584677	10.7	
19 Ethanol	45	5.930	5.930	0.0	96	206647	15.7	
21 Ethyl ether	59	6.043	6.043	0.0	95	286897	10.4	
22 Acrolein	56	6.406	6.406	0.0	95	143932	10.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	95	1586561	10.2	
24 1,1-Dichloroethene	96	6.503	6.503	0.0	93	667040	10.2	
25 Acetone	43	6.722	6.722	0.0	86	607516	10.0	
26 Carbon disulfide	76	6.888	6.888	0.0	98	1668638	10.4	
27 Isopropyl alcohol	45	7.038	7.038	0.0	98	520259	10.7	
29 3-Chloro-1-propene	41	7.305	7.305	0.0	82	458501	10.6	
30 Acetonitrile	41	7.401	7.401	0.0	98	253612	10.9	
31 Methylene Chloride	49	7.599	7.599	0.0	81	503229	10.3	
32 2-Methyl-2-propanol	59	7.840	7.840	0.0	99	906588	10.4	
33 Methyl tert-butyl ether	73	8.043	8.043	0.0	94	1622611	10.5	
34 trans-1,2-Dichloroethene	61	8.065	8.065	0.0	87	749802	10.5	
35 Acrylonitrile	53	8.188	8.188	0.0	95	283812	10.8	
36 Hexane	57	8.493	8.493	0.0	90	598385	10.3	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.948	8.948	0.0	99	1056746	10.4
38 Vinyl acetate	43	9.049	9.049	0.0	100	1091752	10.8
39 cis-1,2-Dichloroethene	96	10.087	10.087	0.0	91	921954	10.4
40 2-Butanone (MEK)	72	10.135	10.135	0.0	98	295221	9.83
S 41 1,2-Dichloroethene, Total	61				0		20.9
42 Ethyl acetate	88	10.215	10.215	0.0	98	50791	11.2
* 43 Chlorobromomethane	128	10.563	10.563	0.0	68	688967	10.0
44 Tetrahydrofuran	42	10.579	10.579	0.0	84	502380	10.7
45 Chloroform	83	10.708	10.708	0.0	99	2016981	10.2
46 Cyclohexane	84	10.991	10.991	0.0	84	1013517	10.3
47 1,1,1-Trichloroethane	97	11.007	11.007	0.0	95	2352186	10.1
48 Carbon tetrachloride	117	11.275	11.275	0.0	96	2970041	10.0
50 Benzene	78	11.745	11.745	0.0	94	2674476	10.2
51 Isooctane	57	11.767	11.767	0.0	99	3274072	10.4
52 1,2-Dichloroethane	62	11.911	11.911	0.0	99	1343306	10.2
53 n-Heptane	43	12.179	12.179	0.0	87	1163041	9.98
* 54 1,4-Difluorobenzene	114	12.623	12.623	0.0	91	3939447	10.0
55 n-Butanol	56	13.019	13.019	0.0	84	465719	10.4
56 Trichloroethene	95	13.115	13.115	0.0	94	1834360	9.84
A 57 GRO	1	13.297	4.915 -	21.679	0	431920677	0
58 1,2-Dichloropropane	63	13.682	13.682	0.0	91	1282809	10.4
59 Methyl methacrylate	69	13.885	13.885	0.0	80	1146139	10.7
60 1,4-Dioxane	88	13.912	13.912	0.0	85	624656	10.8
61 Dibromomethane	174	13.939	13.939	0.0	95	2193879	10.5
62 Dichlorobromomethane	83	14.254	14.254	0.0	97	3257639	10.6
A 63 TVOC as Toluene	1	15.025	3.047 -	27.002	0	691103984	2394.6
64 cis-1,3-Dichloropropene	75	15.233	15.233	0.0	87	2241430	10.7
65 4-Methyl-2-pentanone (MIBK)	43	15.533	15.533	0.0	93	2041800	10.6
A 67 Toluene Range	1	15.854	15.814 -	15.894	0	10954701	NC
66 Toluene	92	15.854	15.854	0.0	93	3010467	10.2
A 68 C8 Range	1	15.966	15.916 -	16.016	0	9112688	NC
69 n-Octane	43	15.966	15.966	0.0	85	2080989	10.3
70 trans-1,3-Dichloropropene	75	16.442	16.442	0.0	93	2278679	10.7
71 1,1,2-Trichloroethane	83	16.817	16.817	0.0	94	1517133	10.2
72 Tetrachloroethene	166	16.967	16.967	0.0	97	3188666	10.0
73 2-Hexanone	43	17.288	17.288	0.0	92	1947600	11.0
74 Chlorodibromomethane	129	17.587	17.587	0.0	97	4170403	10.9
75 Ethylene Dibromide	107	17.865	17.865	0.0	99	3165221	10.6
* 76 Chlorobenzene-d5	117	18.791	18.791	0.0	80	4046568	10.0
77 Chlorobenzene	112	18.850	18.850	0.0	98	4484212	10.4
78 Ethylbenzene	91	19.016	19.016	0.0	96	6405037	10.4
79 n-Nonane	57	19.187	19.187	0.0	83	2251071	10.3
80 m-Xylene & p-Xylene	106	19.272	19.272	0.0	99	5260209	20.9
S 82 Xylenes, Total	106				0		31.4
83 o-Xylene	106	20.102	20.102	0.0	95	2748866	10.5
84 Styrene	104	20.144	20.144	0.0	97	3929844	11.2
85 Bromoform	173	20.535	20.535	0.0	98	4113474	11.3
86 Isopropylbenzene	105	20.770	20.770	0.0	94	7554762	10.4
$ 87 4-Bromofluorobenzene	95	21.113	21.113	0.0	98	2389350	NC
88 1,1,2,2-Tetrachloroethane	83	21.370	21.370	0.0	97	3722349	10.4
89 1,2,3-Trichloropropane	75	21.460	21.460	0.0	95	2514028	10.6
90 N-Propylbenzene	91	21.471	21.471	0.0	99	7931136	10.6

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q		Response	On-Col Amt ppb v/v	Flags
92	2-Chlorotoluene	91	21.653	21.653	0.0	88	5199326	10.3	
91	4-Ethyltoluene	105	21.658	21.658	0.0	89	6498947	10.7	
93	n-Decane	57	21.669	21.669	0.0	83	2347842	10.5	
94	1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	94	6285731	10.5	
95	Alpha Methyl Styrene	118	22.113	22.113	0.0	90	3183244	11.6	
96	tert-Butylbenzene	119	22.242	22.242	0.0	91	6259931	10.3	
97	1,2,4-Trimethylbenzene	105	22.332	22.332	0.0	96	6151738	10.6	
98	sec-Butylbenzene	105	22.562	22.562	0.0	99	8944883	10.5	
99	4-Isopropyltoluene	119	22.760	22.760	0.0	95	7543363	10.7	
100	1,3-Dichlorobenzene	146	22.776	22.776	0.0	99	4117267	11.4	
101	1,4-Dichlorobenzene	146	22.910	22.910	0.0	97	4052302	11.6	
102	Benzyl chloride	91	23.108	23.108	0.0	100	4412480	11.9	
103	n-Butylbenzene	91	23.338	23.338	0.0	91	6096039	11.0	
104	Undecane	57	23.386	23.386	0.0	91	2904826	11.2	
105	1,2-Dichlorobenzene	146	23.451	23.451	0.0	99	4239830	11.1	
106	Dodecane	57	25.013	25.013	0.0	92	805604	19.8	
107	1,2,4-Trichlorobenzene	180	26.018	26.018	0.0	94	2404443	11.3	
108	Hexachlorobutadiene	225	26.227	26.227	0.0	92	2614625	14.5	
109	Naphthalene	128	26.505	26.505	0.0	99	6098832	12.0	
110	1,2,3-Trichlorobenzene	180	26.992	26.992	0.0	96	2556057	14.6	

WorkSheet Quantitation Report

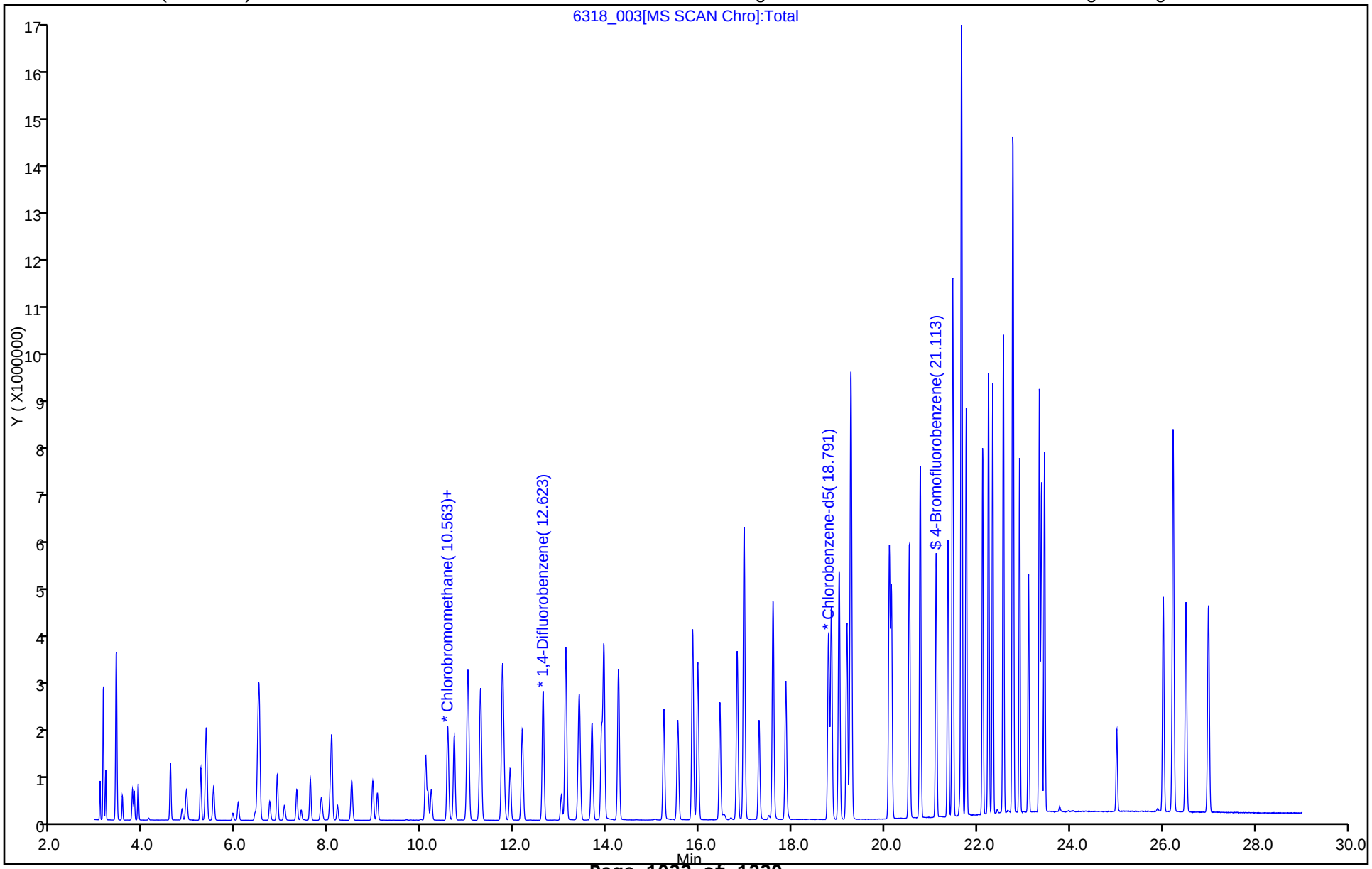
Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 26-Feb-2014 11:33:25 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140225-6318.b\6318_003.D				
Injection Date:	25-Feb-2014 13:51:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	LCS	Lab Sample ID:	LCS 200-68813/3-A	Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: LCS 200-68870/4

Matrix: Air Lab File ID: 6343_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/26/2014 13:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68870 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	11.8		0.50	0.030
75-45-6	Freon 22	86.47	12.5		0.50	0.048
76-14-2	Freon-114	170.92	11.5		0.20	0.035
74-87-3	Chloromethane	50.49	12.2		0.50	0.14
106-97-8	n-Butane	58.12	12.5		0.50	0.28
75-01-4	Vinyl chloride	62.50	12.1		0.040	0.038
106-99-0	1,3-Butadiene	54.09	12.0		0.20	0.042
74-83-9	Bromomethane	94.94	11.4		0.20	0.028
75-00-3	Chloroethane	64.52	12.0		0.50	0.030
593-60-2	Vinyl bromide	106.96	11.0		0.20	0.030
75-69-4	Freon 11	137.37	11.3		0.20	0.030
76-13-1	Freon 113	187.38	11.2		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	11.1		0.20	0.024
67-64-1	Acetone	58.08	12.2		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	12.1		5.0	0.22
75-15-0	Carbon disulfide	76.14	11.0		0.50	0.066
107-05-1	Allyl chloride	76.53	12.4		0.50	0.034
75-09-2	Methylene Chloride	84.93	11.5		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	11.2		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	11.2		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	11.5		0.20	0.029
110-54-3	Hexane	86.17	11.1		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	11.3		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	10.1		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	10.7		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	22.2		0.20	0.064
67-66-3	Chloroform	119.38	10.8		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	12.5		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	11.2		0.20	0.021
110-82-7	Cyclohexane	84.16	10.8		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	11.4		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	10.9		0.20	0.027
71-43-2	Benzene	78.11	10.6		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	11.4		0.20	0.017
142-82-5	Heptane	100.21	11.1		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: LCS 200-68870/4

Matrix: Air Lab File ID: 6343_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/26/2014 13:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68870 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	10.8		0.040	0.024
80-62-6	Methyl methacrylate	100.12	10.8		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	10.6		0.20	0.032
123-91-1	1,4-Dioxane	88.11	10.4		5.0	0.20
75-27-4	Bromodichloromethane	163.83	11.3		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	11.0		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	11.5		0.50	0.027
108-88-3	Toluene	92.14	10.7		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	10.9		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	10.8		0.20	0.017
127-18-4	Tetrachloroethene	165.83	11.4		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	11.6		0.50	0.20
124-48-1	Dibromochloromethane	208.29	11.3		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	11.0		0.20	0.020
108-90-7	Chlorobenzene	112.56	10.8		0.20	0.0081
100-41-4	Ethylbenzene	106.17	10.9		0.20	0.013
179601-23-1	m,p-Xylene	106.17	22.1		0.50	0.023
95-47-6	Xylene, o-	106.17	10.8		0.20	0.016
1330-20-7	Xylene (total)	106.17	32.9		0.20	0.034
100-42-5	Styrene	104.15	11.1		0.20	0.018
75-25-2	Bromoform	252.75	11.5		0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	11.0		0.20	0.016
103-65-1	n-Propylbenzene	120.19	11.1		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	11.5		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	11.1		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	11.4		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	11.0		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	11.2		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	11.1		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	11.2		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	11.2		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	11.2		0.20	0.014
100-44-7	Benzyl chloride	126.58	11.1		0.20	0.080
104-51-8	n-Butylbenzene	134.22	11.8		0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Client Sample ID: Lab Sample ID: LCS 200-68870/4

Matrix: Air Lab File ID: 6343_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/26/2014 13:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68870 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	11.0		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	13.2		0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	12.0		0.20	0.022
91-20-3	Naphthalene	128.17	15.7		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_04.D
Lims ID: lcs Lab Sample ID: LCS 200-68870/4-A
Client ID:
Sample Type: LCS
Inject. Date: 26-Feb-2014 13:46:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006343-004
Misc. Info.: lcs
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 26-Feb-2014 12:30:40 Calib Date: 03-Jan-2014 15:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140103-5623.b\cma010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: desjardinsb Date: 26-Feb-2014 14:43:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
4 Propene	41	3.181	3.181	0.0	99	88215	13.2	
5 Dichlorodifluoromethane	85	3.256	3.261	-0.005	98	798287	11.8	
6 Chlorodifluoromethane	51	3.320	3.320	0.0	92	259965	12.5	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.549	3.549	0.0	88	818186	11.5	
8 Chloromethane	50	3.704	3.699	0.005	88	130264	12.2	
9 Butane	43	3.917	3.918	-0.001	97	191185	12.5	
10 Vinyl chloride	62	3.971	3.971	0.0	96	205663	12.1	
11 Butadiene	54	4.056	4.056	0.0	87	130071	12.0	
12 Bromomethane	94	4.793	4.798	-0.005	98	302665	11.4	
13 Chloroethane	64	5.054	5.054	0.0	97	99806	12.0	
14 2-Methylbutane	43	5.129	5.129	0.0	85	129118	12.2	
15 Vinyl bromide	106	5.471	5.471	0.0	97	360156	11.0	
16 Trichlorofluoromethane	101	5.577	5.577	0.0	96	898959	11.3	
17 Pentane	43	5.727	5.727	0.0	94	220706	12.4	
19 Ethanol	45	6.228	6.228	0.0	95	70641	19.4	
20 Ethyl ether	59	6.292	6.293	0.0	80	141825	11.6	
21 Acrolein	56	6.709	6.709	0.0	95	63981	12.1	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.719	6.719	0.0	89	654458	11.2	
24 BFB								
23 1,1-Dichloroethene	96	6.762	6.762	0.0	83	309053	11.1	
25 Acetone	43	7.045	7.045	0.0	92	190581	12.2	
26 Carbon disulfide	76	7.152	7.152	0.0	97	771310	11.0	
28 Isopropyl alcohol	45	7.360	7.365	-0.005	98	139897	12.1	
29 3-Chloro-1-propene	41	7.595	7.595	0.0	77	141438	12.4	
30 Acetonitrile	41	7.760	7.760	0.0	98	79332	9.02	
31 Methylene Chloride	49	7.904	7.904	0.0	66	154925	11.5	
32 2-Methyl-2-propanol	59	8.160	8.160	0.0	98	324554	11.2	
33 Methyl tert-butyl ether	73	8.320	8.321	-0.001	93	744912	11.2	
34 trans-1,2-Dichloroethene	61	8.347	8.347	0.0	79	300976	11.5	
35 Acrylonitrile	53	8.539	8.539	0.0	95	116280	11.7	
36 Hexane	57	8.742	8.742	0.0	82	289450	11.1	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	9.270	9.265	0.005	99	415540	11.3
	38 Vinyl acetate	43	9.361	9.361	0.0	98	350151	12.5
S	39 1,2-Dichloroethene, Total	61				0		22.2
	40 cis-1,2-Dichloroethene	96	10.434	10.434	0.0	84	405761	10.7
	41 2-Butanone (MEK)	72	10.509	10.509	0.0	95	149234	10.1
	42 Ethyl acetate	88	10.551	10.551	0.0	98	32971	10.5
*	43 Chlorobromomethane	128	10.920	10.920	0.0	63	401448	10.0
	44 Tetrahydrofuran	42	10.936	10.936	0.0	73	178612	12.5
	45 Chloroform	83	11.064	11.064	0.0	98	766503	10.8
	46 Cyclohexane	84	11.293	11.293	0.0	73	540509	10.8
	47 1,1,1-Trichloroethane	97	11.336	11.336	0.0	93	885608	11.2
	49 Carbon tetrachloride	117	11.592	11.592	0.0	96	991251	11.4
	50 Isooctane	57	12.051	12.051	0.0	98	1422716	10.9
	51 Benzene	78	12.094	12.094	0.0	92	1214946	10.6
	52 1,2-Dichloroethane	62	12.302	12.302	0.0	99	462479	11.4
	53 n-Heptane	43	12.462	12.462	0.0	76	415649	11.1
*	54 1,4-Difluorobenzene	114	12.990	12.990	0.0	91	2212895	10.0
	55 n-Butanol	56	13.433	13.433	0.0	78	172266	10.7
	56 Trichloroethene	95	13.471	13.471	0.0	91	640576	10.8
A	57 GRO	1	13.497	5.119 -	21.876	0	136107479	0
	58 1,2-Dichloropropane	63	14.068	14.074	-0.006	93	451418	10.6
	59 Methyl methacrylate	69	14.250	14.250	0.0	77	481925	10.8
	60 1,4-Dioxane	88	14.319	14.319	0.0	72	206411	10.4
	61 Dibromomethane	174	14.335	14.335	0.0	92	660693	11.2
	62 Dichlorobromomethane	83	14.639	14.639	0.0	98	1010860	11.3
A	63 TVOC as Toluene	1	15.277	3.171 -	27.383	0	269589236	2473.2
	64 cis-1,3-Dichloropropene	75	15.600	15.600	0.0	85	792576	11.0
	65 4-Methyl-2-pentanone (MIBK)	43	15.910	15.910	0.0	88	648695	11.5
	66 Toluene	92	16.198	16.198	0.0	93	1117947	10.7
A	67 Toluene Range	1	16.198	16.158 -	16.238	0	7505118	NC
	68 n-Octane	43	16.240	16.240	0.0	79	721655	11.3
A	69 C8 Range	1	16.240	16.190 -	16.290	0	7505118	NC
	70 trans-1,3-Dichloropropene	75	16.811	16.812	-0.001	90	834921	10.9
	71 1,1,2-Trichloroethane	83	17.190	17.190	0.0	94	515277	10.8
	72 Tetrachloroethene	166	17.281	17.281	0.0	95	1040197	11.4
	73 2-Hexanone	43	17.655	17.655	0.0	87	637710	11.6
	74 Chlorodibromomethane	129	17.959	17.959	0.0	97	1142595	11.3
	75 Ethylene Dibromide	107	18.236	18.236	0.0	98	1024447	11.0
*	76 Chlorobenzene-d5	117	19.133	19.133	0.0	81	2125844	10.0
	77 Chlorobenzene	112	19.192	19.192	0.0	96	1591806	10.8
	79 Ethylbenzene	91	19.341	19.341	0.0	96	2449659	10.9
	80 n-Nonane	57	19.443	19.448	-0.005	80	933784	10.9
	81 m-Xylene & p-Xylene	106	19.592	19.592	0.0	99	2065964	22.1
S	82 Xylenes, Total	106				0		32.9
	83 o-Xylene	106	20.403	20.403	0.0	94	989189	10.8
	84 Styrene	104	20.451	20.451	0.0	97	1570600	11.1
	85 Bromoform	173	20.851	20.852	-0.001	99	1229741	11.5
	86 Isopropylbenzene	105	21.033	21.033	0.0	94	2874476	11.1
$	87 4-Bromofluorobenzene	95	21.391	21.391	-0.001	98	1466607	NC
	88 1,1,2,2-Tetrachloroethane	83	21.657	21.657	0.0	96	1360495	11.0
	89 N-Propylbenzene	91	21.716	21.716	0.0	99	3369952	11.1
	90 1,2,3-Trichloropropane	75	21.753	21.754	-0.001	90	1026743	11.1

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91	n-Decane	57	21.865	21.866	-0.001	77	1175877	11.6
92	4-Ethyltoluene	105	21.898	21.898	0.0	94	3025394	11.5
93	2-Chlorotoluene	91	21.908	21.908	0.0	95	2329765	11.4
94	1,3,5-Trimethylbenzene	105	21.999	21.999	0.0	93	2449959	11.1
95	Alpha Methyl Styrene	118	22.351	22.351	0.0	90	1308019	11.3
96	tert-Butylbenzene	119	22.469	22.469	0.0	90	2387484	11.0
97	1,2,4-Trimethylbenzene	105	22.559	22.559	0.0	96	2452809	11.2
98	sec-Butylbenzene	105	22.783	22.784	-0.001	98	3523582	11.1
99	4-Isopropyltoluene	119	22.981	22.981	0.0	93	3115853	11.2
100	1,3-Dichlorobenzene	146	23.018	23.018	0.0	98	1819197	11.2
101	1,4-Dichlorobenzene	146	23.157	23.157	0.0	96	1820520	11.2
102	Benzyl chloride	91	23.365	23.365	0.0	99	2138609	11.1
103	n-Butylbenzene	91	23.568	23.568	0.0	97	2660864	11.8
104	Undecane	57	23.573	23.573	0.0	86	1254300	13.2
105	1,2-Dichlorobenzene	146	23.712	23.712	0.0	98	1693399	11.0
106	Dodecane	57	25.233	25.233	0.0	90	1190495	13.3
107	1,2,4-Trichlorobenzene	180	26.343	26.343	0.0	92	1430628	13.2
108	Hexachlorobutadiene	225	26.530	26.530	0.0	94	1235224	12.0
109	Naphthalene	128	26.872	26.866	0.006	99	2943687	15.7
110	1,2,3-Trichlorobenzene	180	27.373	27.373	0.0	96	1257933	14.0

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

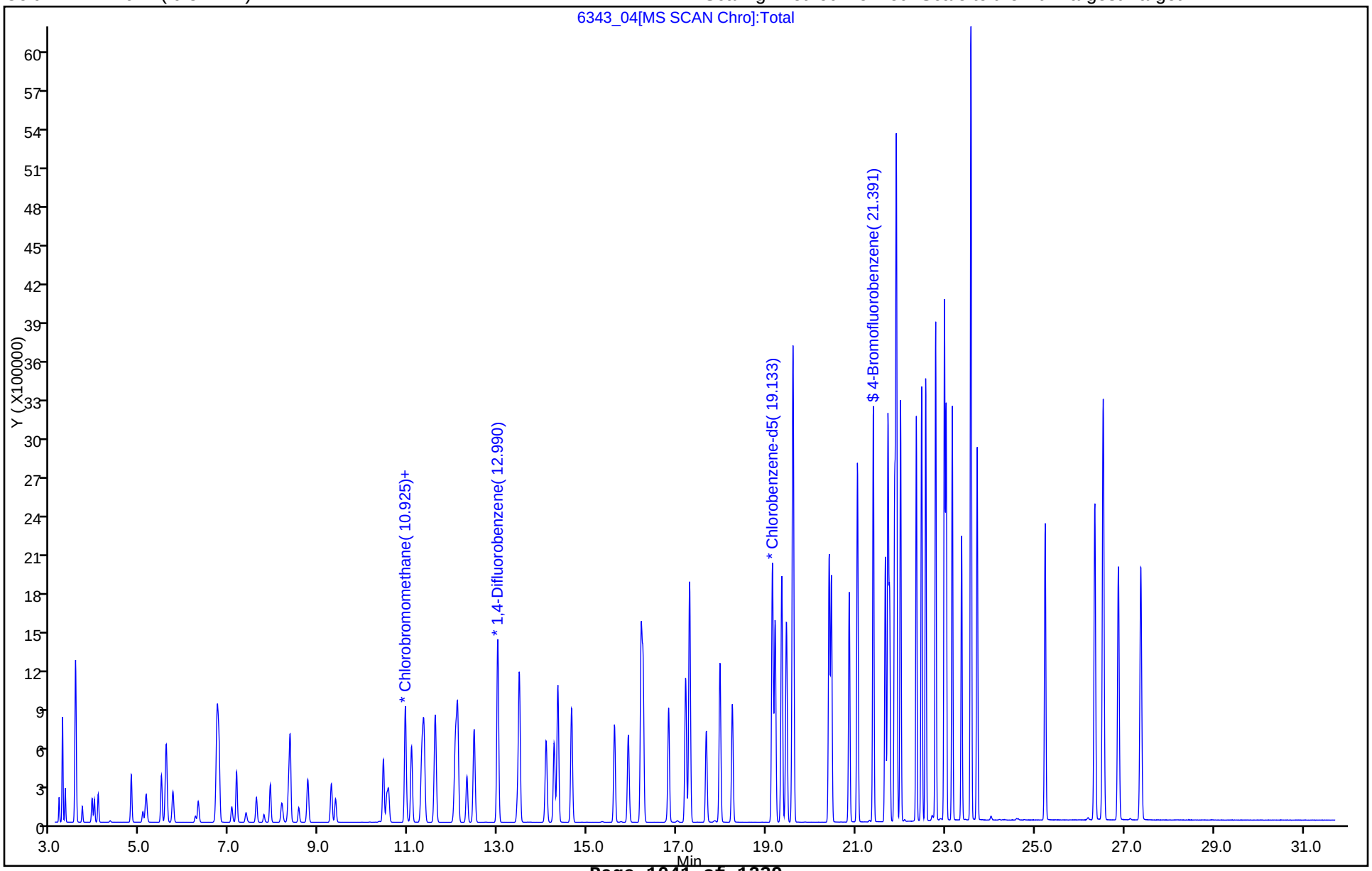
Report Date: 26-Feb-2014 14:43:00 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140226-6343.b\6343_04.D

Injection Date:	26-Feb-2014 13:46:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	lcs	Lab Sample ID:	LCS 200-68870/4-A	Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHC.i Start Date: 01/03/2014 07:37

Analysis Batch Number: 66774 End Date: 01/03/2014 20:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-66774/1		01/03/2014 07:37	1	cma001.D	RTX-624 0.32(mm)
VIBLK 200-66774/2		01/03/2014 08:51	1		RTX-624 0.32(mm)
IC 200-66774/3		01/03/2014 09:43	1	cma003.D	RTX-624 0.32(mm)
IC 200-66774/4		01/03/2014 10:35	1	cma004.D	RTX-624 0.32(mm)
IC 200-66774/5		01/03/2014 11:28	1	cma005.D	RTX-624 0.32(mm)
IC 200-66774/6		01/03/2014 12:20	1	cma006.D	RTX-624 0.32(mm)
ICIS 200-66774/7		01/03/2014 13:12	1	cma007.D	RTX-624 0.32(mm)
IC 200-66774/8		01/03/2014 14:04	1	cma008.D	RTX-624 0.32(mm)
IC 200-66774/9		01/03/2014 14:56	1	cma009.D	RTX-624 0.32(mm)
IC 200-66774/10		01/03/2014 15:48	1	cma010.D	RTX-624 0.32(mm)
VIBLK 200-66774/11		01/03/2014 16:33	1		RTX-624 0.32(mm)
ICV 200-66774/13		01/03/2014 17:25	1	cma013.D	RTX-624 0.32(mm)
VIBLK 200-66774/14		01/03/2014 18:19	1		RTX-624 0.32(mm)
ZZZZZ		01/03/2014 19:12	1		RTX-624 0.32(mm)
ZZZZZ		01/03/2014 20:04	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHC.i Start Date: 02/26/2014 11:15

Analysis Batch Number: 68870 End Date: 02/27/2014 11:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-68870/1		02/26/2014 11:15	1	6343_01.D	RTX-624 0.32(mm)
ZZZZZ		02/26/2014 12:01	1		RTX-624 0.32(mm)
CCVIS 200-68870/3		02/26/2014 12:54	1	6343_03.D	RTX-624 0.32(mm)
LCS 200-68870/4		02/26/2014 13:46	1	6343_04.D	RTX-624 0.32(mm)
MB 200-68870/5		02/26/2014 14:38	1	6343_05.D	RTX-624 0.32(mm)
ZZZZZ		02/26/2014 15:37	1		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 16:29	1		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 17:20	1		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 18:12	1		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 19:04	1		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 19:56	1		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 20:54	0.2		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 21:53	0.2		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 22:45	1		RTX-624 0.32(mm)
200-20955-23	IA-VMP-5A	02/26/2014 23:37	38.3	6343_15.D	RTX-624 0.32(mm)
ZZZZZ		02/27/2014 00:29	10		RTX-624 0.32(mm)
ZZZZZ		02/27/2014 01:21	12		RTX-624 0.32(mm)
ZZZZZ		02/27/2014 02:13	10		RTX-624 0.32(mm)
ZZZZZ		02/27/2014 03:06	48.1		RTX-624 0.32(mm)
ZZZZZ		02/27/2014 03:58	1640		RTX-624 0.32(mm)
ZZZZZ		02/27/2014 04:50	34.6		RTX-624 0.32(mm)
ZZZZZ		02/27/2014 05:42	1		RTX-624 0.32(mm)
ZZZZZ		02/27/2014 06:34	1		RTX-624 0.32(mm)
ZZZZZ		02/27/2014 07:27	1		RTX-624 0.32(mm)
ZZZZZ		02/27/2014 08:19	1		RTX-624 0.32(mm)
ZZZZZ		02/27/2014 09:11	1		RTX-624 0.32(mm)
ZZZZZ		02/27/2014 10:09	0.2		RTX-624 0.32(mm)
ZZZZZ		02/27/2014 11:08	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHG.i Start Date: 02/20/2014 12:20

Analysis Batch Number: 68619 End Date: 02/21/2014 02:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-68619/1		02/20/2014 12:20	1	6246_001.D	RTX-624 0.32(mm)
VIBLK 200-68619/2		02/20/2014 13:17	1		RTX-624 0.32(mm)
ZZZZZ		02/20/2014 14:04	1		RTX-624 0.32(mm)
ZZZZZ		02/20/2014 14:51	1		RTX-624 0.32(mm)
VIBLK 200-68619/5		02/20/2014 15:38	1		RTX-624 0.32(mm)
IC 200-68619/6		02/20/2014 16:25	1	6246_006.D	RTX-624 0.32(mm)
IC 200-68619/7		02/20/2014 17:12	1	6246_007.D	RTX-624 0.32(mm)
IC 200-68619/8		02/20/2014 17:59	1	6246_008.D	RTX-624 0.32(mm)
IC 200-68619/9		02/20/2014 18:46	1	6246_009.D	RTX-624 0.32(mm)
ICIS 200-68619/10		02/20/2014 19:33	1	6246_010.D	RTX-624 0.32(mm)
IC 200-68619/11		02/20/2014 20:20	1	6246_011.D	RTX-624 0.32(mm)
IC 200-68619/12		02/20/2014 21:07	1	6246_012.D	RTX-624 0.32(mm)
IC 200-68619/13		02/20/2014 21:54	1	6246_013.D	RTX-624 0.32(mm)
VIBLK 200-68619/14		02/20/2014 22:41	1		RTX-624 0.32(mm)
VIBLK 200-68619/15		02/20/2014 23:28	1		RTX-624 0.32(mm)
ICV 200-68619/16		02/21/2014 00:15	1	6246_016.D	RTX-624 0.32(mm)
VIBLK 200-68619/17		02/21/2014 01:02	1		RTX-624 0.32(mm)
ZZZZZ		02/21/2014 01:49	1		RTX-624 0.32(mm)
ZZZZZ		02/21/2014 02:36	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHG.i Start Date: 02/21/2014 11:00

Analysis Batch Number: 68679 End Date: 02/21/2014 15:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-68679/1		02/21/2014 11:00	1	6267_001.D	RTX-624 0.32(mm)
CCVIS 200-68679/2		02/21/2014 11:48	1	6267_002.D	RTX-624 0.32(mm)
LCS 200-68679/3		02/21/2014 12:36	1	6267_003.D	RTX-624 0.32(mm)
MB 200-68679/4		02/21/2014 13:23	1	6267_004.D	RTX-624 0.32(mm)
ZZZZZ		02/21/2014 14:20	0.2		RTX-624 0.32(mm)
ZZZZZ		02/21/2014 15:18	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHG.i Start Date: 02/21/2014 23:08

Analysis Batch Number: 68745 End Date: 02/22/2014 08:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		02/21/2014 23:08	1		RTX-624 0.32(mm)
ZZZZZ		02/21/2014 23:55	2.5		RTX-624 0.32(mm)
ZZZZZ		02/22/2014 00:43	1		RTX-624 0.32(mm)
200-20955-7	IA-VMP-3A	02/22/2014 01:30	12.9	6267_019.D	RTX-624 0.32(mm)
ZZZZZ		02/22/2014 02:17	20.1		RTX-624 0.32(mm)
ZZZZZ		02/22/2014 03:04	1		RTX-624 0.32(mm)
ZZZZZ		02/22/2014 03:51	1		RTX-624 0.32(mm)
200-20955-13	IA-VMP-5B	02/22/2014 04:38	13	6267_023.D	RTX-624 0.32(mm)
ZZZZZ		02/22/2014 05:25	6.9		RTX-624 0.32(mm)
200-20955-15	IA-VMP-6A	02/22/2014 06:11	14.8	6267_025.D	RTX-624 0.32(mm)
ZZZZZ		02/22/2014 06:58	10		RTX-624 0.32(mm)
200-20955-17	IA-VMP-6B	02/22/2014 07:45	10	6267_027.D	RTX-624 0.32(mm)
ZZZZZ		02/22/2014 08:32	10		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHG.i Start Date: 02/25/2014 11:56

Analysis Batch Number: 68811 End Date: 02/26/2014 11:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-68811/1		02/25/2014 11:56	1	6318_001.D	RTX-624 0.32(mm)
CCVIS 200-68811/2		02/25/2014 12:49	1	6318_002.D	RTX-624 0.32(mm)
LCS 200-68811/3		02/25/2014 13:51	1	6318_003.D	RTX-624 0.32(mm)
ZZZZZ		02/25/2014 14:42	1		RTX-624 0.32(mm)
MB 200-68811/5		02/25/2014 17:01	1	6318_005.D	RTX-624 0.32(mm)
ZZZZZ		02/25/2014 17:49	1		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 18:36	5		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 19:23	1		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 20:10	20.2		RTX-624 0.32(mm)
200-20955-27	IA-VMP-7	02/25/2014 20:57	10	6318_010.D	RTX-624 0.32(mm)
ZZZZZ		02/25/2014 21:44	3.03		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 22:31	70.1		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 23:18	3.03		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 00:06	2		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 00:53	74.5		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 01:40	4.61		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 02:28	23		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 03:15	5.04		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 04:02	25.2		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 04:49	1		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 05:36	4		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 06:24	2		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 07:11	10		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 07:58	1		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 08:46	5		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 09:33	7.98		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 10:20	39.9		RTX-624 0.32(mm)
ZZZZZ		02/26/2014 11:07	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHW.i Start Date: 02/11/2014 16:00

Analysis Batch Number: 68234 End Date: 02/12/2014 03:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-68234/1		02/11/2014 16:00	1	6099_001.d	RTX-624 0.32(mm)
VIBLK 200-68234/2		02/11/2014 17:33	1		RTX-624 0.32(mm)
VIBLK 200-68234/3		02/11/2014 18:24	1		RTX-624 0.32(mm)
IC 200-68234/4		02/11/2014 19:12	1	6101_004.d	RTX-624 0.32(mm)
IC 200-68234/5		02/11/2014 20:02	1	6101_005.d	RTX-624 0.32(mm)
IC 200-68234/6		02/11/2014 20:50	1	6101_006.d	RTX-624 0.32(mm)
IC 200-68234/7		02/11/2014 21:39	1	6101_007.d	RTX-624 0.32(mm)
ICIS 200-68234/8		02/11/2014 22:30	1	6101_008.d	RTX-624 0.32(mm)
IC 200-68234/9		02/11/2014 23:18	1	6101_009.d	RTX-624 0.32(mm)
IC 200-68234/10		02/12/2014 00:07	1	6101_010.d	RTX-624 0.32(mm)
IC 200-68234/11		02/12/2014 00:55	1	6101_011.d	RTX-624 0.32(mm)
VIBLK 200-68234/12		02/12/2014 01:43	1		RTX-624 0.32(mm)
VIBLK 200-68234/13		02/12/2014 02:32	1		RTX-624 0.32(mm)
ICV 200-68234/14		02/12/2014 03:20	1	6101_014.d	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHW.i Start Date: 02/17/2014 09:39

Analysis Batch Number: 68420 End Date: 02/18/2014 08:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-68420/1		02/17/2014 09:39	1	6171_001.d	RTX-624 0.32(mm)
CCVIS 200-68420/2		02/17/2014 10:36	1	6171_002.d	RTX-624 0.32(mm)
LCS 200-68420/3		02/17/2014 11:32	1	6171_003.d	RTX-624 0.32(mm)
MB 200-68420/4		02/17/2014 12:41	1	6171_004.d	RTX-624 0.32(mm)
ZZZZZ		02/17/2014 13:31	1		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 14:20	1		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 16:29	10		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 17:18	10		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 18:06	8850		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 18:54	10		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 19:43	165		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 20:31	6.06		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 21:19	6.06		RTX-624 0.32(mm)
ZZZZZ		02/17/2014 22:08	1		RTX-624 0.32(mm)
200-20955-1	IA-VMP-1B	02/17/2014 23:03	1	6171_015.d	RTX-624 0.32(mm)
200-20955-3	IA-VMP-2B	02/17/2014 23:52	1	6171_016.d	RTX-624 0.32(mm)
200-20955-5	IA-VMP-2C	02/18/2014 00:44	1	6171_017.d	RTX-624 0.32(mm)
ZZZZZ		02/18/2014 01:34	1		RTX-624 0.32(mm)
200-20955-9	IA-VMP-3B	02/18/2014 02:23	1	6171_019.d	RTX-624 0.32(mm)
200-20955-11	IA-VMP-3D	02/18/2014 03:13	1	6171_020.d	RTX-624 0.32(mm)
ZZZZZ		02/18/2014 04:06	1		RTX-624 0.32(mm)
ZZZZZ		02/18/2014 04:56	1		RTX-624 0.32(mm)
ZZZZZ		02/18/2014 05:47	1		RTX-624 0.32(mm)
200-20955-19	IA-VMP-3E	02/18/2014 06:37	1	6171_024.d	RTX-624 0.32(mm)
200-20955-21	IA-VMP-4	02/18/2014 07:28	1	6171_025.d	RTX-624 0.32(mm)
ZZZZZ		02/18/2014 08:18	1		RTX-624 0.32(mm)

TO-15

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20955-1

SDG No.: 200-20955-1

Instrument ID: CHW.i Start Date: 02/24/2014 10:20

Analysis Batch Number: 68730 End Date: 02/25/2014 09:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-68730/1		02/24/2014 10:20	1	6282_001.d	RTX-624 0.32(mm)
CCVIS 200-68730/2		02/24/2014 11:15	1	6282_002.d	RTX-624 0.32(mm)
LCS 200-68730/3		02/24/2014 12:29	1	6282_003.d	RTX-624 0.32(mm)
MB 200-68730/4		02/24/2014 13:46	1	6282_004.d	RTX-624 0.32(mm)
ZZZZZ		02/24/2014 14:55	0.2		RTX-624 0.32(mm)
ZZZZZ		02/24/2014 15:50	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2014 16:41	1		RTX-624 0.32(mm)
200-20955-29	IA-VMP-8D	02/24/2014 17:31	1	6282_008.d	RTX-624 0.32(mm)
200-20955-31	IA-DUP-021214	02/24/2014 18:25	1	6282_009.d	RTX-624 0.32(mm)
ZZZZZ		02/24/2014 19:16	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2014 20:04	2		RTX-624 0.32(mm)
ZZZZZ		02/24/2014 20:52	10		RTX-624 0.32(mm)
ZZZZZ		02/24/2014 21:40	5.71		RTX-624 0.32(mm)
ZZZZZ		02/24/2014 22:28	8		RTX-624 0.32(mm)
ZZZZZ		02/24/2014 23:16	7.49		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 00:04	7.48		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 00:53	35.3		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 01:43	1		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 02:34	1		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 03:22	23.8		RTX-624 0.32(mm)
200-20969-2	AMB-021314	02/25/2014 04:13	1	6282_021.d	RTX-624 0.32(mm)
ZZZZZ		02/25/2014 05:10	1		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 05:59	1		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 06:49	1		RTX-624 0.32(mm)
200-20955-26	IA-VMP-7A	02/25/2014 07:37	10	6282_025.d	RTX-624 0.32(mm)
ZZZZZ		02/25/2014 08:44	0.2		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 09:55	0.2		RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
ARCADIS	200-20955	2/17/14	1630	30.1	22	614	MT

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	✓		
(3) MA MCP: Check return flow rate for flow controllers		✓	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID	Comments
20955-1	4442	-15.5	yes	09903	yes	3217 5988	
-2	3011	-5.5	no	09709	↓	↓	
-3	2956	-7.2	↓	10239	↓	5127 5988	
-4	4343	-5.7	↓	09702	↓	5634 5988	
-5	4850	-7.0	↓	4532	↓	3217 5988	
-6	4441	-6.6	↓	10630	↓	5127 5988	
-7	5148	-7.1	↓	10877	↓	3217 5988	
-8	5039	-17.6	yes	4205	↓	↓	
-9	5050	-6.6	no	5232	↓	5634 5988	
-10	5678	-17.4	yes	5203	↓	↓	
-11	2786	-5.2	no	9066	↓	5127 5988	
-12	2639	-6.4	↓	10160	↓	5634 5988	
-13	5618	-14.0	yes	5168	↓	↓	
-14	5104	-19.4	↓	09708	↓	↓	
-15	4150	-5.4	no	~~10554~~ 10056	↓	mt 2/17/14	
-16	3459	-7.0	↓	10154	↓	3217 5988	
-17	5160	-7.2	↓	3736	↓	5634 5988	
-18	2712	-8.5	↓	5182	↓	↓	
-19	4550	-6.0	↓	3123	↓	5127 5988	
-20	5615	-6.3	↓	10587	↓	↓	
-21	5610	-6.8	↓	3615	↓	3217 5988	
-22	5051	-7.3	↓	10159	↓	↓	
-23	4282	-6.6	↓	10240	↓	↓	
-24	5607	-6.4	↓	10053	↓	2631 5988	
-25	5083	-7.0	↓	4056	↓	5634 5988	
-26	3136	-15.9	yes	3118	↓	↓	
-27	4016	-5.8	no	10130	↓	2631 5988	

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # 57/32, 55, 52, 47

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
	200-20955	2/17/14	1655	30.1	22	G14	MC

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	✓		
(3) MA MCP: Check return flow rate for flow controllers		✓	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID	Comments
20955-28	4488	-20.7	~~no~~ yes	09912	yes	26315988	
-29	5612	-7.1	no	10617	↓	↓	
-30	3587	-20.8	yes	—	↓	↓	
-31	3233	-15.9	↓	—	↓	3217 ~~5853988~~	
					MC 2/17/14	~~3217 5988~~	

MC 2/17/14

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # _____

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
Arcadis	200-20969	2/18/14	1310	29.7	22	G9	ANI

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	✓		
(3) MA MCP: Check return flow rate for flow controllers		✓	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	

If damage observed, list equipment IDs and describe condition:

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert	Batch ID	Comments
200-20969-1	2706	-4.8	N	3484	Y	3217	5988	
1 -2	3015	-10.7	Y	5178	Y	2031	5988	

2/18/14 ANI

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # 57/46, 52

Summa Canister Dilution Worksheet

Client: ARCADIS U.S., Inc.

Job No.: 200-20955-1
SDG No.: 200-20955-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Date	Analyst
200-20955-1	6	-15.5	0.48	2.89	-2.5	0.83	4.98		1.72	1.72	02/17/14 16:56	Lyons, Benjamin P
200-20955-7	6	-7.1	0.76	4.58	19.4	2.32	13.92		3.04	3.04	02/21/14 15:46	Daigle, Paul A
200-20955-13	6	-14.0	0.53	3.19	-2.5	0.83	4.98		1.56	1.56	02/17/14 16:57	Lyons, Benjamin P
200-20955-15	6	-5.4	0.82	4.92	17.5	2.19	13.14		2.67	2.67	02/21/14 16:00	Daigle, Paul A
200-20955-23	6	-6.6	0.78	4.68	29.2	2.99	17.92		3.83	3.83	02/25/14 18:24	Lyons, Benjamin P
200-20955-26	6	-15.9	0.47	2.81	-2.5	0.83	4.98		1.77	1.77	02/24/14 13:53	Lyons, Benjamin P
200-20955-31	6	-15.9	0.47	2.81	-2.5	0.83	4.98		1.77	1.77	02/24/14 13:54	Lyons, Benjamin P

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg

Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig

Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)

14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

200-20735-A-6
5634
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 1/31/2014 12:00 AM 200-524324

Loc: 200
20735
#6
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test							
System ID		# Cycles	Cleaning Date	Technician	Canister Size		
Bottom		20	1/31/14	VS	(6L)	1L	3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4150	-29.9	-30.2	-29.9	0.3
2	5160	↓	↓	↓	
3	5050				
4	2712				
5	5628				
6	5634				
7	5104				
8	~~5144~~				
9	4343				
10	5618				
11	3136				
12	5083	↓	↓	↓	

VS 1/31/14

Initial Reading	Final Reading
Gauge ID: 69	Gauge ID: 69
Date: 2/1/14	Date: 2/6/14
Time: 930	Time: 1410
Tech: MS	Tech: VS
BP: 29.9 ("Hg)	BP: 29.9 ("Hg)
Temp 22 (°C)	Temp: 22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
5634	2/6/14	5988	BL		✓				2/6/14	ANH

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

Routine

200-20762-A-12
3217
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 2/3/2014 12:30 AM 200-624920

Loc: 200
20762
#12
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test				
System ID	# Cycles	Cleaning Date	Technician	Canister Size
TOP	15	2/3/14	VS	(6L) 1L 3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4800	30.0	-30.1	-29.9	0.2
2	5610				
3	5039				
4	5148				
5	4442				
6	3011				
7	5081				
8	3459				
9	4282				
10	2706				
11	3233				
12	3217	↓	↓	↓	

Initial Reading	Final Reading
Gauge ID: G9	Gauge ID: G9
Date: 2/4/14	Date: 2/6/14
Time: 1850	Time: 1345
Tech: VS	Tech: VS
BP: 30.0 ("Hg)	BP: 29.9 ("Hg)
Temp 22 (°C)	Temp: 22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:
Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
3217	2/6/14	5988	BC		←				2/6/14	ANI

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

Routine

200-20763-A-7
2631
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 2/3/2014 12:00 AM 200-624927

Loc: 200
20763
#7
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
OVEN	15	2/3/14	VS	(6L) 1L 3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	3254	-30.0	-30.2	-29.9	0.3
2	3087				
3	2786				
4	5140				
5	4016				
6	3015				
7	2631				
8	5612				
9	3531				
10	~~4580~~				
11	4488				
12	5607	↓	↓	↓	

VS 2/6/14

Initial Reading	Final Reading
Gauge ID: G9	Gauge ID: G9
Date: 2/4/14	Date: 2/6/14
Time: 1700	Time: 1330
Tech: VS	Tech: VS
BP: 30.0 ("Hg)	BP: 29.9 ("Hg)
Temp 22 (°C)	Temp: 22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
2631	2/6/14	~~5988~~ 5988	BC		✓				2/6/14	ANL
		ANL 2/6/14								

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

R Butler

200-20780-A-8
2523
Location: Air Storage
Bottle: Summa Canister 6L
Sampled: 2/4/2014 12:00 AM 200-625307

Loc: 200
20780
#8
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
OVEN	50	2/4/14	VS	(6L) 1L 3L

VS 2/6/14

Leak Test

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4376	-29.7	-30.1	-29.9	0.2
2	5615				
3	5620				
4	4441				
5	2639				
6	5136				
7	4093				
8	2523				
9	5127				
10	4550				
11	2956				
12	4869				

Initial Reading	Final Reading
Gauge ID: G11	Gauge ID: G9
Date: 2/5/14	Date: 2/6/14
Time: 1250	Time: 1430
Tech: ME	Tech: VS
BP: 29.7 ("Hg)	BP: 29.9 ("Hg)
Temp 72 (°C)	Temp: 22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
2523	2/6/14	5988	BE		✓				2/6/14	ANL

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

Routine

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5988_025.d

Lab ID: LCS 200-67984/25 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.9	119	70-130	
Dichlorodifluoromethane	10.0	13.1	131	70-130	*
Freon 22	10.0	12.6	126	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.8	128	70-130	
Chloromethane	10.0	12.6	127	70-130	
n-Butane	10.0	12.3	123	70-130	
Vinyl chloride	10.0	12.8	128	70-130	
1,3-Butadiene	10.0	13.4	134	70-130	*
Bromomethane	10.0	11.8	118	70-130	
Chloroethane	10.0	13.7	137	70-130	*
Bromoethene(Vinyl Bromide)	10.0	13.5	135	70-130	*
Trichlorofluoromethane	10.0	13.2	132	70-130	*
Ethanol	15.0	17.9	119	70-130	
Freon TF	10.0	13.9	139	70-130	*
1,1-Dichloroethene	10.0	14.1	141	70-130	*
Acetone	10.0	13.1	131	70-130	*
Isopropyl alcohol	10.0	11.0	110	70-130	
Carbon disulfide	10.0	13.0	130	70-130	
3-Chloropropene	10.0	12.6	126	70-130	
Methylene Chloride	10.0	14.2	142	70-130	*
tert-Butyl alcohol	10.0	11.0	110	70-130	
Methyl tert-butyl ether	10.0	13.9	139	70-130	*
trans-1,2-Dichloroethene	10.0	12.9	129	70-130	
n-Hexane	10.0	12.8	128	70-130	
1,1-Dichloroethane	10.0	12.7	128	70-130	
Vinyl acetate	10.0	11.9	119	70-130	
Ethyl acetate	10.0	12.3	123	70-130	
Methyl Ethyl Ketone	10.0	12.5	125	70-130	
cis-1,2-Dichloroethene	10.0	13.4	134	70-130	*
Chloroform	10.0	13.0	130	70-130	
Tetrahydrofuran	10.0	13.1	131	70-130	*
1,1,1-Trichloroethane	10.0	14.0	140	70-130	*
Cyclohexane	10.0	13.7	137	70-130	*
Carbon tetrachloride	10.0	14.3	143	70-130	*
2,2,4-Trimethylpentane	10.0	13.8	138	70-130	*
Benzene	10.0	13.4	134	70-130	*
1,2-Dichloroethane	10.0	13.5	135	70-130	*
n-Heptane	10.0	14.0	140	70-130	*
Trichloroethene	10.0	13.8	138	70-130	*
Methyl methacrylate	10.0	13.5	135	70-130	*
1,2-Dichloropropane	10.0	13.3	133	70-130	*
1,4-Dioxane	10.0	11.4	115	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5988_025.d

Lab ID: LCS 200-67984/25 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	14.5	145	70-130	*
cis-1,3-Dichloropropene	10.0	13.9	139	70-130	*
methyl isobutyl ketone	10.0	14.8	148	70-130	*
Toluene	10.0	12.3	123	70-130	
trans-1,3-Dichloropropene	10.0	13.9	139	70-130	*
1,1,2-Trichloroethane	10.0	12.5	125	70-130	
Tetrachloroethene	10.0	12.8	128	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	13.1	131	70-130	*
Dibromochloromethane	10.0	14.3	143	70-130	*
1,2-Dibromoethane	10.0	12.9	129	70-130	
Chlorobenzene	10.0	12.3	123	70-130	
Ethylbenzene	10.0	12.8	128	70-130	
m,p-Xylene	20.0	25.4	127	70-130	
Xylene, o-	10.0	12.9	129	70-130	
Styrene	10.0	13.2	132	70-130	*
Bromoform	10.0	14.7	147	70-130	*
Cumene	10.0	13.3	134	70-130	*
1,1,2,2-Tetrachloroethane	10.0	12.7	127	70-130	
n-Propylbenzene	10.0	13.7	137	70-130	*
4-Ethyltoluene	10.0	13.8	138	70-130	*
1,3,5-Trimethylbenzene	10.0	13.0	130	70-130	
2-Chlorotoluene	10.0	13.5	135	70-130	*
tert-Butylbenzene	10.0	13.2	132	70-130	*
1,2,4-Trimethylbenzene	10.0	13.1	131	70-130	*
sec-Butylbenzene	10.0	13.3	133	70-130	*
4-Isopropyltoluene	10.0	13.7	137	70-130	*
1,3-Dichlorobenzene	10.0	13.0	130	70-130	
1,4-Dichlorobenzene	10.0	13.1	131	70-130	*
Benzyl chloride	10.0	11.2	112	70-130	
n-Butylbenzene	10.0	13.9	139	70-130	*
1,2-Dichlorobenzene	10.0	12.9	129	70-130	
1,2,4-Trichlorobenzene	10.0	13.0	130	70-130	
Hexachlorobutadiene	10.0	14.0	140	70-130	*
Naphthalene	10.0	14.3	143	70-130	*

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5988_025.d

Lab ID: LCS 200-67984/25 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.9	119	70-130	
Dichlorodifluoromethane	10.0	13.1	131	70-130	*
Freon 22	10.0	12.6	126	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.8	128	70-130	
Chloromethane	10.0	12.6	127	70-130	
n-Butane	10.0	12.3	123	70-130	
Vinyl chloride	10.0	12.8	128	70-130	
1,3-Butadiene	10.0	13.4	134	70-130	*
Bromomethane	10.0	11.8	118	70-130	
Chloroethane	10.0	13.7	137	70-130	*
Bromoethene(Vinyl Bromide)	10.0	13.5	135	70-130	*
Trichlorofluoromethane	10.0	13.2	132	70-130	*
Ethanol	15.0	17.9	119	70-130	
Freon TF	10.0	13.9	139	70-130	*
1,1-Dichloroethene	10.0	14.1	141	70-130	*
Acetone	10.0	13.1	131	70-130	*
Isopropyl alcohol	10.0	11.0	110	70-130	
Carbon disulfide	10.0	13.0	130	70-130	
3-Chloropropene	10.0	12.6	126	70-130	
Methylene Chloride	10.0	14.2	142	70-130	*
tert-Butyl alcohol	10.0	11.0	110	70-130	
Methyl tert-butyl ether	10.0	13.9	139	70-130	*
trans-1,2-Dichloroethene	10.0	12.9	129	70-130	
n-Hexane	10.0	12.8	128	70-130	
1,1-Dichloroethane	10.0	12.7	128	70-130	
Vinyl acetate	10.0	11.9	119	70-130	
Ethyl acetate	10.0	12.3	123	70-130	
Methyl Ethyl Ketone	10.0	12.5	125	70-130	
cis-1,2-Dichloroethene	10.0	13.4	134	70-130	*
Chloroform	10.0	13.0	130	70-130	
Tetrahydrofuran	10.0	13.1	131	70-130	*
1,1,1-Trichloroethane	10.0	14.0	140	70-130	*
Cyclohexane	10.0	13.7	137	70-130	*
Carbon tetrachloride	10.0	14.3	143	70-130	*
2,2,4-Trimethylpentane	10.0	13.8	138	70-130	*
Benzene	10.0	13.4	134	70-130	*
1,2-Dichloroethane	10.0	13.5	135	70-130	*
n-Heptane	10.0	14.0	140	70-130	*
Trichloroethene	10.0	13.8	138	70-130	*
Methyl methacrylate	10.0	13.5	135	70-130	*
1,2-Dichloropropane	10.0	13.3	133	70-130	*
1,4-Dioxane	10.0	11.4	115	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5988_025.d

Lab ID: LCS 200-67984/25 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	14.5	145	70-130	*
cis-1,3-Dichloropropene	10.0	13.9	139	70-130	*
methyl isobutyl ketone	10.0	14.8	148	70-130	*
Toluene	10.0	12.3	123	70-130	
trans-1,3-Dichloropropene	10.0	13.9	139	70-130	*
1,1,2-Trichloroethane	10.0	12.5	125	70-130	
Tetrachloroethene	10.0	12.8	128	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	13.1	131	70-130	*
Dibromochloromethane	10.0	14.3	143	70-130	*
1,2-Dibromoethane	10.0	12.9	129	70-130	
Chlorobenzene	10.0	12.3	123	70-130	
Ethylbenzene	10.0	12.8	128	70-130	
m,p-Xylene	20.0	25.4	127	70-130	
Xylene, o-	10.0	12.9	129	70-130	
Styrene	10.0	13.2	132	70-130	*
Bromoform	10.0	14.7	147	70-130	*
Cumene	10.0	13.3	134	70-130	*
1,1,2,2-Tetrachloroethane	10.0	12.7	127	70-130	
n-Propylbenzene	10.0	13.7	137	70-130	*
4-Ethyltoluene	10.0	13.8	138	70-130	*
1,3,5-Trimethylbenzene	10.0	13.0	130	70-130	
2-Chlorotoluene	10.0	13.5	135	70-130	*
tert-Butylbenzene	10.0	13.2	132	70-130	*
1,2,4-Trimethylbenzene	10.0	13.1	131	70-130	*
sec-Butylbenzene	10.0	13.3	133	70-130	*
4-Isopropyltoluene	10.0	13.7	137	70-130	*
1,3-Dichlorobenzene	10.0	13.0	130	70-130	
1,4-Dichlorobenzene	10.0	13.1	131	70-130	*
Benzyl chloride	10.0	11.2	112	70-130	
n-Butylbenzene	10.0	13.9	139	70-130	*
1,2-Dichlorobenzene	10.0	12.9	129	70-130	
1,2,4-Trichlorobenzene	10.0	13.0	130	70-130	
Hexachlorobutadiene	10.0	14.0	140	70-130	*
Naphthalene	10.0	14.3	143	70-130	*

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5988_025.d

Lab ID: LCS 200-67984/25 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.9	119	70-130	
Dichlorodifluoromethane	10.0	13.1	131	70-130	*
Freon 22	10.0	12.6	126	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.8	128	70-130	
Chloromethane	10.0	12.6	127	70-130	
n-Butane	10.0	12.3	123	70-130	
Vinyl chloride	10.0	12.8	128	70-130	
1,3-Butadiene	10.0	13.4	134	70-130	*
Bromomethane	10.0	11.8	118	70-130	
Chloroethane	10.0	13.7	137	70-130	*
Bromoethene(Vinyl Bromide)	10.0	13.5	135	70-130	*
Trichlorofluoromethane	10.0	13.2	132	70-130	*
Ethanol	15.0	17.9	119	70-130	
Freon TF	10.0	13.9	139	70-130	*
1,1-Dichloroethene	10.0	14.1	141	70-130	*
Acetone	10.0	13.1	131	70-130	*
Isopropyl alcohol	10.0	11.0	110	70-130	
Carbon disulfide	10.0	13.0	130	70-130	
3-Chloropropene	10.0	12.6	126	70-130	
Methylene Chloride	10.0	14.2	142	70-130	*
tert-Butyl alcohol	10.0	11.0	110	70-130	
Methyl tert-butyl ether	10.0	13.9	139	70-130	*
trans-1,2-Dichloroethene	10.0	12.9	129	70-130	
n-Hexane	10.0	12.8	128	70-130	
1,1-Dichloroethane	10.0	12.7	128	70-130	
Vinyl acetate	10.0	11.9	119	70-130	
Ethyl acetate	10.0	12.3	123	70-130	
Methyl Ethyl Ketone	10.0	12.5	125	70-130	
cis-1,2-Dichloroethene	10.0	13.4	134	70-130	*
Chloroform	10.0	13.0	130	70-130	
Tetrahydrofuran	10.0	13.1	131	70-130	*
1,1,1-Trichloroethane	10.0	14.0	140	70-130	*
Cyclohexane	10.0	13.7	137	70-130	*
Carbon tetrachloride	10.0	14.3	143	70-130	*
2,2,4-Trimethylpentane	10.0	13.8	138	70-130	*
Benzene	10.0	13.4	134	70-130	*
1,2-Dichloroethane	10.0	13.5	135	70-130	*
n-Heptane	10.0	14.0	140	70-130	*
Trichloroethene	10.0	13.8	138	70-130	*
Methyl methacrylate	10.0	13.5	135	70-130	*
1,2-Dichloropropane	10.0	13.3	133	70-130	*
1,4-Dioxane	10.0	11.4	115	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5988_025.d

Lab ID: LCS 200-67984/25 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	14.5	145	70-130	*
cis-1,3-Dichloropropene	10.0	13.9	139	70-130	*
methyl isobutyl ketone	10.0	14.8	148	70-130	*
Toluene	10.0	12.3	123	70-130	
trans-1,3-Dichloropropene	10.0	13.9	139	70-130	*
1,1,2-Trichloroethane	10.0	12.5	125	70-130	
Tetrachloroethene	10.0	12.8	128	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	13.1	131	70-130	*
Dibromochloromethane	10.0	14.3	143	70-130	*
1,2-Dibromoethane	10.0	12.9	129	70-130	
Chlorobenzene	10.0	12.3	123	70-130	
Ethylbenzene	10.0	12.8	128	70-130	
m,p-Xylene	20.0	25.4	127	70-130	
Xylene, o-	10.0	12.9	129	70-130	
Styrene	10.0	13.2	132	70-130	*
Bromoform	10.0	14.7	147	70-130	*
Cumene	10.0	13.3	134	70-130	*
1,1,2,2-Tetrachloroethane	10.0	12.7	127	70-130	
n-Propylbenzene	10.0	13.7	137	70-130	*
4-Ethyltoluene	10.0	13.8	138	70-130	*
1,3,5-Trimethylbenzene	10.0	13.0	130	70-130	
2-Chlorotoluene	10.0	13.5	135	70-130	*
tert-Butylbenzene	10.0	13.2	132	70-130	*
1,2,4-Trimethylbenzene	10.0	13.1	131	70-130	*
sec-Butylbenzene	10.0	13.3	133	70-130	*
4-Isopropyltoluene	10.0	13.7	137	70-130	*
1,3-Dichlorobenzene	10.0	13.0	130	70-130	
1,4-Dichlorobenzene	10.0	13.1	131	70-130	*
Benzyl chloride	10.0	11.2	112	70-130	
n-Butylbenzene	10.0	13.9	139	70-130	*
1,2-Dichlorobenzene	10.0	12.9	129	70-130	
1,2,4-Trichlorobenzene	10.0	13.0	130	70-130	
Hexachlorobutadiene	10.0	14.0	140	70-130	*
Naphthalene	10.0	14.3	143	70-130	*

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5988_025.d

Lab ID: LCS 200-67984/25 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.9	119	70-130	
Dichlorodifluoromethane	10.0	13.1	131	70-130	*
Freon 22	10.0	12.6	126	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.8	128	70-130	
Chloromethane	10.0	12.6	127	70-130	
n-Butane	10.0	12.3	123	70-130	
Vinyl chloride	10.0	12.8	128	70-130	
1,3-Butadiene	10.0	13.4	134	70-130	*
Bromomethane	10.0	11.8	118	70-130	
Chloroethane	10.0	13.7	137	70-130	*
Bromoethene(Vinyl Bromide)	10.0	13.5	135	70-130	*
Trichlorofluoromethane	10.0	13.2	132	70-130	*
Ethanol	15.0	17.9	119	70-130	
Freon TF	10.0	13.9	139	70-130	*
1,1-Dichloroethene	10.0	14.1	141	70-130	*
Acetone	10.0	13.1	131	70-130	*
Isopropyl alcohol	10.0	11.0	110	70-130	
Carbon disulfide	10.0	13.0	130	70-130	
3-Chloropropene	10.0	12.6	126	70-130	
Methylene Chloride	10.0	14.2	142	70-130	*
tert-Butyl alcohol	10.0	11.0	110	70-130	
Methyl tert-butyl ether	10.0	13.9	139	70-130	*
trans-1,2-Dichloroethene	10.0	12.9	129	70-130	
n-Hexane	10.0	12.8	128	70-130	
1,1-Dichloroethane	10.0	12.7	128	70-130	
Vinyl acetate	10.0	11.9	119	70-130	
Ethyl acetate	10.0	12.3	123	70-130	
Methyl Ethyl Ketone	10.0	12.5	125	70-130	
cis-1,2-Dichloroethene	10.0	13.4	134	70-130	*
Chloroform	10.0	13.0	130	70-130	
Tetrahydrofuran	10.0	13.1	131	70-130	*
1,1,1-Trichloroethane	10.0	14.0	140	70-130	*
Cyclohexane	10.0	13.7	137	70-130	*
Carbon tetrachloride	10.0	14.3	143	70-130	*
2,2,4-Trimethylpentane	10.0	13.8	138	70-130	*
Benzene	10.0	13.4	134	70-130	*
1,2-Dichloroethane	10.0	13.5	135	70-130	*
n-Heptane	10.0	14.0	140	70-130	*
Trichloroethene	10.0	13.8	138	70-130	*
Methyl methacrylate	10.0	13.5	135	70-130	*
1,2-Dichloropropane	10.0	13.3	133	70-130	*
1,4-Dioxane	10.0	11.4	115	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5988_025.d

Lab ID: LCS 200-67984/25 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	14.5	145	70-130	*
cis-1,3-Dichloropropene	10.0	13.9	139	70-130	*
methyl isobutyl ketone	10.0	14.8	148	70-130	*
Toluene	10.0	12.3	123	70-130	
trans-1,3-Dichloropropene	10.0	13.9	139	70-130	*
1,1,2-Trichloroethane	10.0	12.5	125	70-130	
Tetrachloroethene	10.0	12.8	128	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	13.1	131	70-130	*
Dibromochloromethane	10.0	14.3	143	70-130	*
1,2-Dibromoethane	10.0	12.9	129	70-130	
Chlorobenzene	10.0	12.3	123	70-130	
Ethylbenzene	10.0	12.8	128	70-130	
m,p-Xylene	20.0	25.4	127	70-130	
Xylene, o-	10.0	12.9	129	70-130	
Styrene	10.0	13.2	132	70-130	*
Bromoform	10.0	14.7	147	70-130	*
Cumene	10.0	13.3	134	70-130	*
1,1,2,2-Tetrachloroethane	10.0	12.7	127	70-130	
n-Propylbenzene	10.0	13.7	137	70-130	*
4-Ethyltoluene	10.0	13.8	138	70-130	*
1,3,5-Trimethylbenzene	10.0	13.0	130	70-130	
2-Chlorotoluene	10.0	13.5	135	70-130	*
tert-Butylbenzene	10.0	13.2	132	70-130	*
1,2,4-Trimethylbenzene	10.0	13.1	131	70-130	*
sec-Butylbenzene	10.0	13.3	133	70-130	*
4-Isopropyltoluene	10.0	13.7	137	70-130	*
1,3-Dichlorobenzene	10.0	13.0	130	70-130	
1,4-Dichlorobenzene	10.0	13.1	131	70-130	*
Benzyl chloride	10.0	11.2	112	70-130	
n-Butylbenzene	10.0	13.9	139	70-130	*
1,2-Dichlorobenzene	10.0	12.9	129	70-130	
1,2,4-Trichlorobenzene	10.0	13.0	130	70-130	
Hexachlorobutadiene	10.0	14.0	140	70-130	*
Naphthalene	10.0	14.3	143	70-130	*

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab File ID: 5988_026.d Lab Sample ID: MB 200-67984/26

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 02/05/2014 15:38

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-67984/25	5988_025.d	02/05/2014 14:47
5634	200-20735-6	5988_013.d	02/06/2014 08:58

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d
Lims ID: MB Lab Sample ID: MB 200-67984/26-A
Client ID:
Sample Type: MB
Inject. Date: 05-Feb-2014 15:38:30 ALS Bottle#: 5 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005988-026
Misc. Info.: MB
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 06-Feb-2014 12:51:08 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: lyonsb Date: 06-Feb-2014 11:20:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
2 Difluoroethane TIC	51		3.150					
3 Chlorotrifluoroethene TIC	116		3.162					
4 Freon 115 TIC	85		3.180					
5 1,1,1-Trifluoro-2,2-dichloroetha	83		3.200					
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
15 2-Methylbutane	43		6.684					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.186					
25 Methyl Acetate TIC	43		7.200					
18 Pentane	43		7.352					
19 Ethanol	45		7.807					
20 Ethyl ether	59		7.941					
21 Acrolein	56		8.406					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.518					
24 Acetone	43		8.749					
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.037					
28 3-Chloro-1-propene	41		9.407					
29 Acetonitrile	41		9.540					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.915					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
34 Acrylonitrile	53		10.386					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.241					
47 Methyl cyclohexane TIC	55		11.500					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.397					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.852					
* 42 Chlorobromomethane	128	12.862	12.857	0.005	69	304491	10.0	
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.264					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.751	14.751	0.0	92	1492766	10.0	
54 n-Butanol	56		15.034					
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.227					
A 61 GRO	1	16.556	6.598 -	26.515	0	10826146	199.9	E
A 62 TVOC as Toluene	1	16.647	4.314 -	28.981	0	10961105	112.3	
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
67 n-Octane	43		17.661					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.956					
74 1,2-Dibromo-3-Chloropropane TIC	75		19.300					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	82	1283110	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
78 n-Nonane	57		20.678					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					

Report Date: 06-Feb-2014 12:51:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	781382	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
87 1,2,3-Trichloropropane	75		22.775					
88 n-Decane	57		22.861					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
91 Alpha Methyl Styrene	118		23.359					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
99 Undecane	57		24.637					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
102 Dodecane	57		26.440					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					
106 1,2,3-Trichlorobenzene	180		28.890					
108 Total Alkanes	1		0.0					
109 Total Hydrocarbons	1		0.0					
110 BFB								

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

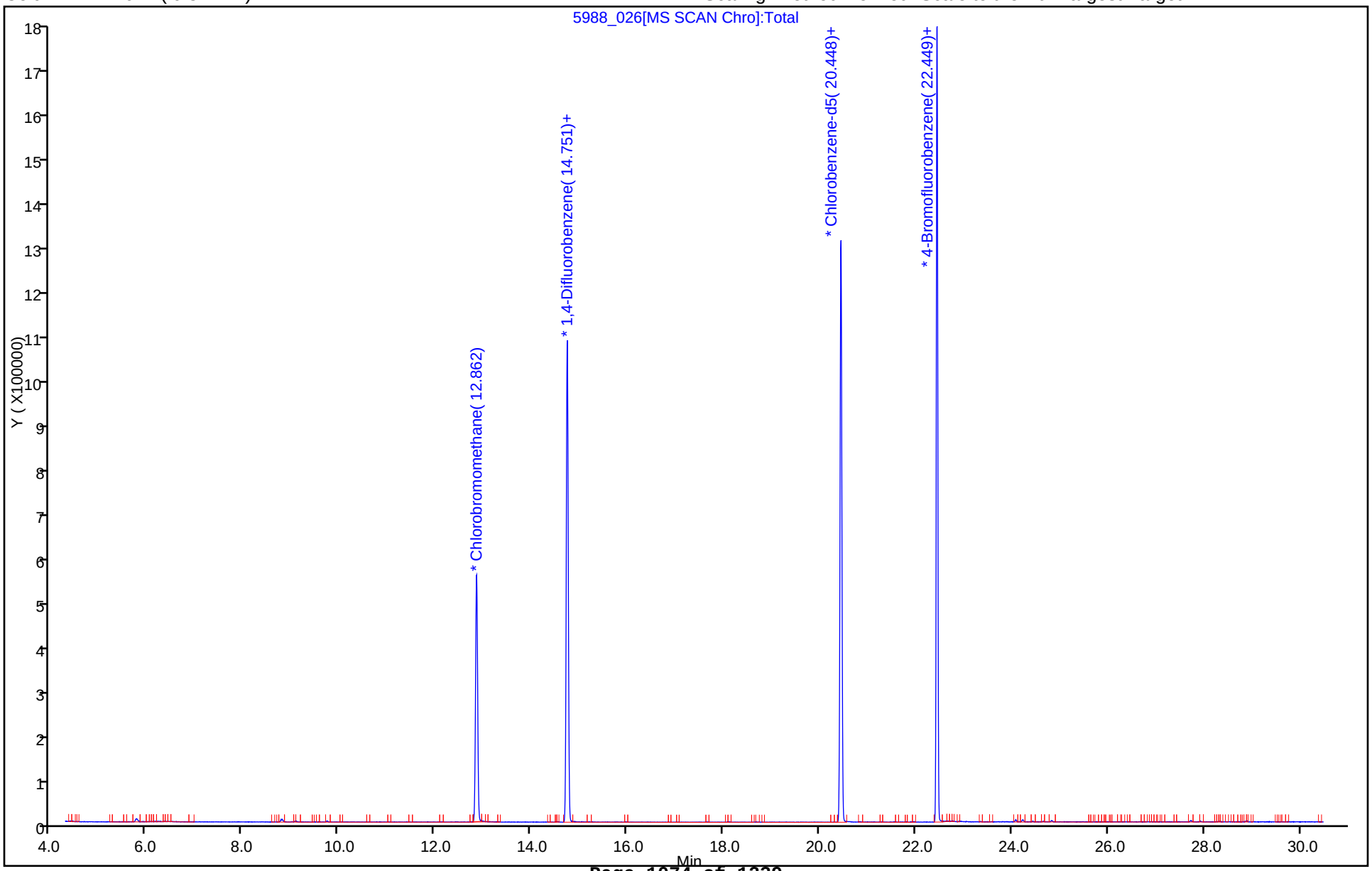
Report Date: 06-Feb-2014 12:51:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d

Injection Date:	05-Feb-2014 15:38:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	MB	Lab Sample ID:	MB 200-67984/26-A	Worklist Smp#:	26
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab File ID: 5988_026.d Lab Sample ID: MB 200-67984/26

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 02/05/2014 15:38

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-67984/25	5988_025.d	02/05/2014 14:47
3217	200-20762-12	5988_008.d	02/05/2014 20:06

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

Report Date: 06-Feb-2014 12:51:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d
Lims ID: MB Lab Sample ID: MB 200-67984/26-A
Client ID:
Sample Type: MB
Inject. Date: 05-Feb-2014 15:38:30 ALS Bottle#: 5 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005988-026
Misc. Info.: MB
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 06-Feb-2014 12:51:08 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: lyonsb Date: 06-Feb-2014 11:20:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
2 Difluoroethane TIC	51		3.150					
3 Chlorotrifluoroethene TIC	116		3.162					
4 Freon 115 TIC	85		3.180					
5 1,1,1-Trifluoro-2,2-dichloroetha	83		3.200					
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
15 2-Methylbutane	43		6.684					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.186					
25 Methyl Acetate TIC	43		7.200					
18 Pentane	43		7.352					
19 Ethanol	45		7.807					
20 Ethyl ether	59		7.941					
21 Acrolein	56		8.406					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.518					
24 Acetone	43		8.749					
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.037					
28 3-Chloro-1-propene	41		9.407					
29 Acetonitrile	41		9.540					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.915					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
34 Acrylonitrile	53		10.386					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.241					
47 Methyl cyclohexane TIC	55		11.500					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.397					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.852					
* 42 Chlorobromomethane	128	12.862	12.857	0.005	69	304491	10.0	
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.264					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.751	14.751	0.0	92	1492766	10.0	
54 n-Butanol	56		15.034					
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.227					
A 61 GRO	1	16.556	6.598 -	26.515	0	10826146	199.9	E
A 62 TVOC as Toluene	1	16.647	4.314 -	28.981	0	10961105	112.3	
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
67 n-Octane	43		17.661					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.956					
74 1,2-Dibromo-3-Chloropropane TIC	75		19.300					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	82	1283110	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
78 n-Nonane	57		20.678					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					

Report Date: 06-Feb-2014 12:51:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	781382	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
87 1,2,3-Trichloropropane	75		22.775					
88 n-Decane	57		22.861					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
91 Alpha Methyl Styrene	118		23.359					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
99 Undecane	57		24.637					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
102 Dodecane	57		26.440					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					
106 1,2,3-Trichlorobenzene	180		28.890					
108 Total Alkanes	1		0.0					
109 Total Hydrocarbons	1		0.0					
110 BFB								

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

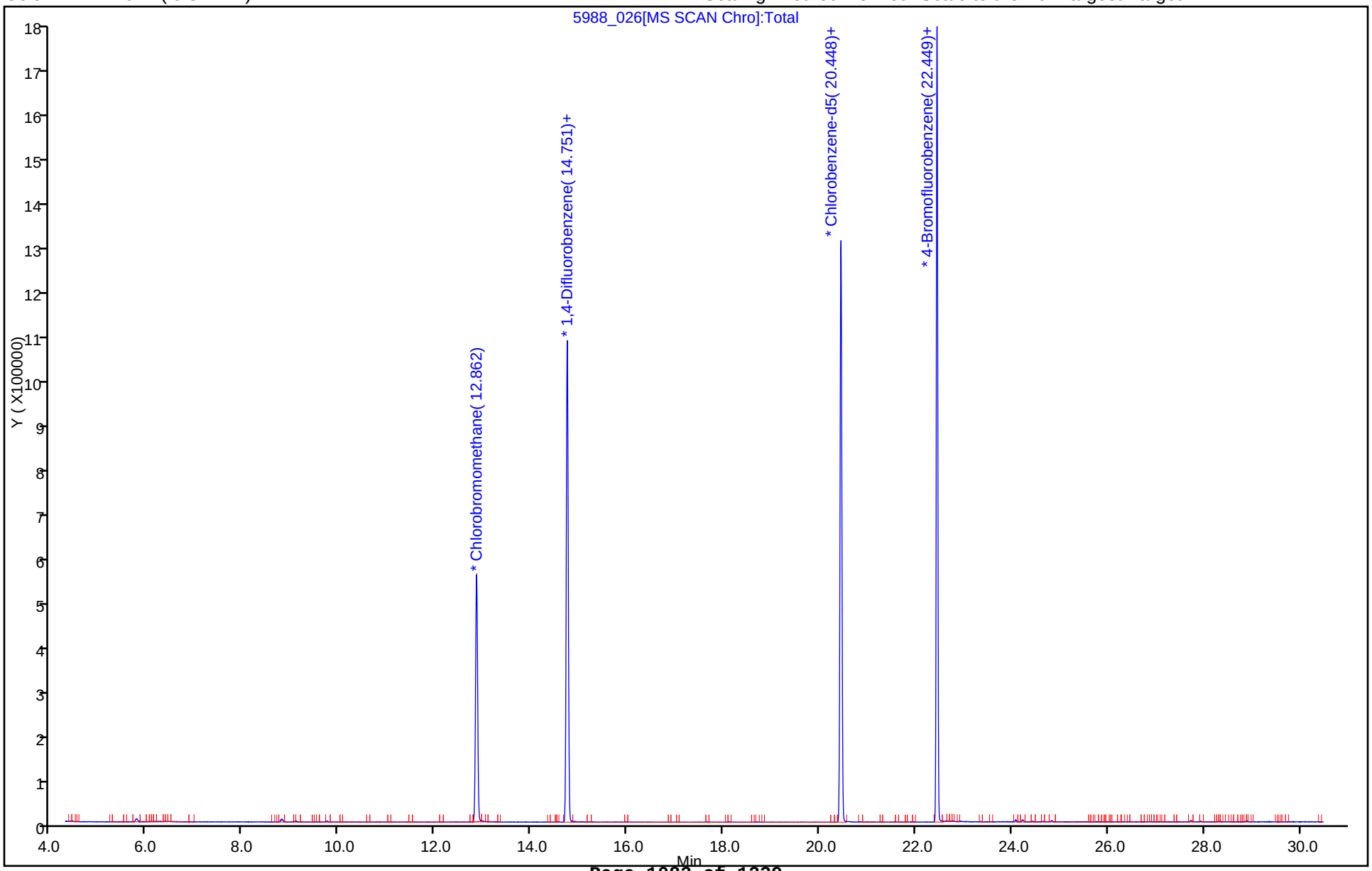
Report Date: 06-Feb-2014 12:51:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d

Injection Date:	05-Feb-2014 15:38:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	MB	Lab Sample ID:	MB 200-67984/26-A	Worklist Smp#:	26
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab File ID: 5988_026.d Lab Sample ID: MB 200-67984/26

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 02/05/2014 15:38

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-67984/25	5988_025.d	02/05/2014 14:47
2631	200-20763-7	5988_007.d	02/05/2014 19:00

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d
Lims ID: MB Lab Sample ID: MB 200-67984/26-A
Client ID:
Sample Type: MB
Inject. Date: 05-Feb-2014 15:38:30 ALS Bottle#: 5 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005988-026
Misc. Info.: MB
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 06-Feb-2014 12:51:08 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: lyonsb Date: 06-Feb-2014 11:20:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
2 Difluoroethane TIC	51		3.150					
3 Chlorotrifluoroethene TIC	116		3.162					
4 Freon 115 TIC	85		3.180					
5 1,1,1-Trifluoro-2,2-dichloroetha	83		3.200					
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
15 2-Methylbutane	43		6.684					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.186					
25 Methyl Acetate TIC	43		7.200					
18 Pentane	43		7.352					
19 Ethanol	45		7.807					
20 Ethyl ether	59		7.941					
21 Acrolein	56		8.406					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.518					
24 Acetone	43		8.749					
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.037					
28 3-Chloro-1-propene	41		9.407					
29 Acetonitrile	41		9.540					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.915					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
34 Acrylonitrile	53		10.386					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.241					
47 Methyl cyclohexane TIC	55		11.500					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.397					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.852					
* 42 Chlorobromomethane	128	12.862	12.857	0.005	69	304491	10.0	
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.264					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.751	14.751	0.0	92	1492766	10.0	
54 n-Butanol	56		15.034					
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.227					
A 61 GRO	1	16.556	6.598 -	26.515	0	10826146	199.9	E
A 62 TVOC as Toluene	1	16.647	4.314 -	28.981	0	10961105	112.3	
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
67 n-Octane	43		17.661					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.956					
74 1,2-Dibromo-3-Chloropropane TIC	75		19.300					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	82	1283110	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
78 n-Nonane	57		20.678					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					

Report Date: 06-Feb-2014 12:51:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	781382	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
87 1,2,3-Trichloropropane	75		22.775					
88 n-Decane	57		22.861					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
91 Alpha Methyl Styrene	118		23.359					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
99 Undecane	57		24.637					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
102 Dodecane	57		26.440					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					
106 1,2,3-Trichlorobenzene	180		28.890					
108 Total Alkanes	1		0.0					
109 Total Hydrocarbons	1		0.0					
110 BFB								

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

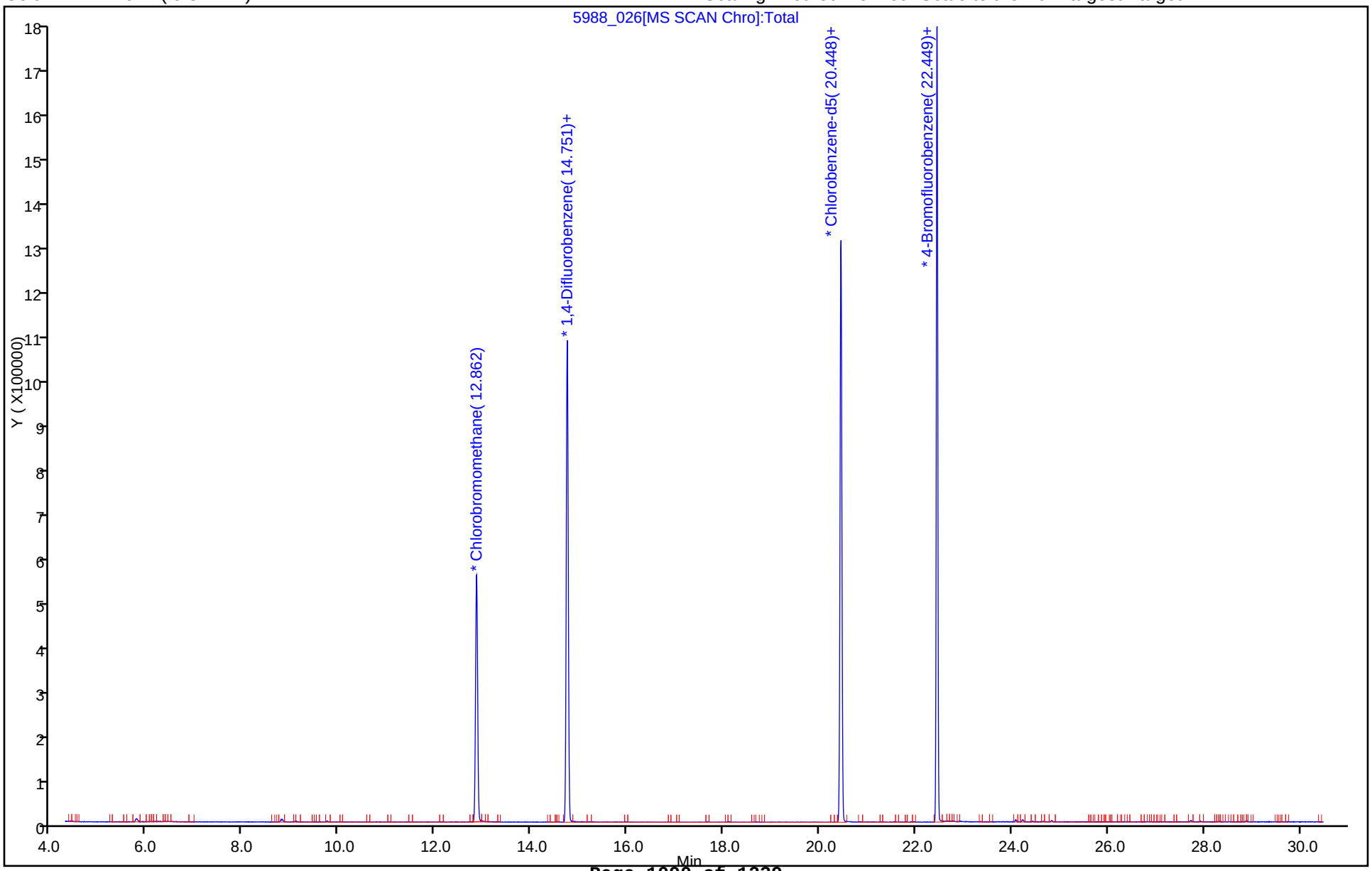
Report Date: 06-Feb-2014 12:51:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d

Injection Date:	05-Feb-2014 15:38:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	MB	Lab Sample ID:	MB 200-67984/26-A	Worklist Smp#:	26
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab File ID: 5988_026.d Lab Sample ID: MB 200-67984/26

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 02/05/2014 15:38

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-67984/25	5988_025.d	02/05/2014 14:47
2523	200-20780-8	5988_005.d	02/05/2014 16:44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d
Lims ID: MB Lab Sample ID: MB 200-67984/26-A
Client ID:
Sample Type: MB
Inject. Date: 05-Feb-2014 15:38:30 ALS Bottle#: 5 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005988-026
Misc. Info.: MB
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 06-Feb-2014 12:51:08 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: lyonsb Date: 06-Feb-2014 11:20:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
2 Difluoroethane TIC	51		3.150					
3 Chlorotrifluoroethene TIC	116		3.162					
4 Freon 115 TIC	85		3.180					
5 1,1,1-Trifluoro-2,2-dichloroetha	83		3.200					
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
15 2-Methylbutane	43		6.684					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.186					
25 Methyl Acetate TIC	43		7.200					
18 Pentane	43		7.352					
19 Ethanol	45		7.807					
20 Ethyl ether	59		7.941					
21 Acrolein	56		8.406					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.518					
24 Acetone	43		8.749					
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.037					
28 3-Chloro-1-propene	41		9.407					
29 Acetonitrile	41		9.540					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.915					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
34 Acrylonitrile	53		10.386					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.241					
47 Methyl cyclohexane TIC	55		11.500					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.397					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.852					
* 42 Chlorobromomethane	128	12.862	12.857	0.005	69	304491	10.0	
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.264					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.751	14.751	0.0	92	1492766	10.0	
54 n-Butanol	56		15.034					
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.227					
A 61 GRO	1	16.556	6.598 -	26.515	0	10826146	199.9	E
A 62 TVOC as Toluene	1	16.647	4.314 -	28.981	0	10961105	112.3	
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
67 n-Octane	43		17.661					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.956					
74 1,2-Dibromo-3-Chloropropane TIC	75		19.300					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	82	1283110	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
78 n-Nonane	57		20.678					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	781382	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
87 1,2,3-Trichloropropane	75		22.775					
88 n-Decane	57		22.861					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
91 Alpha Methyl Styrene	118		23.359					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
99 Undecane	57		24.637					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
102 Dodecane	57		26.440					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					
106 1,2,3-Trichlorobenzene	180		28.890					
108 Total Alkanes	1		0.0					
109 Total Hydrocarbons	1		0.0					
110 BFB								

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

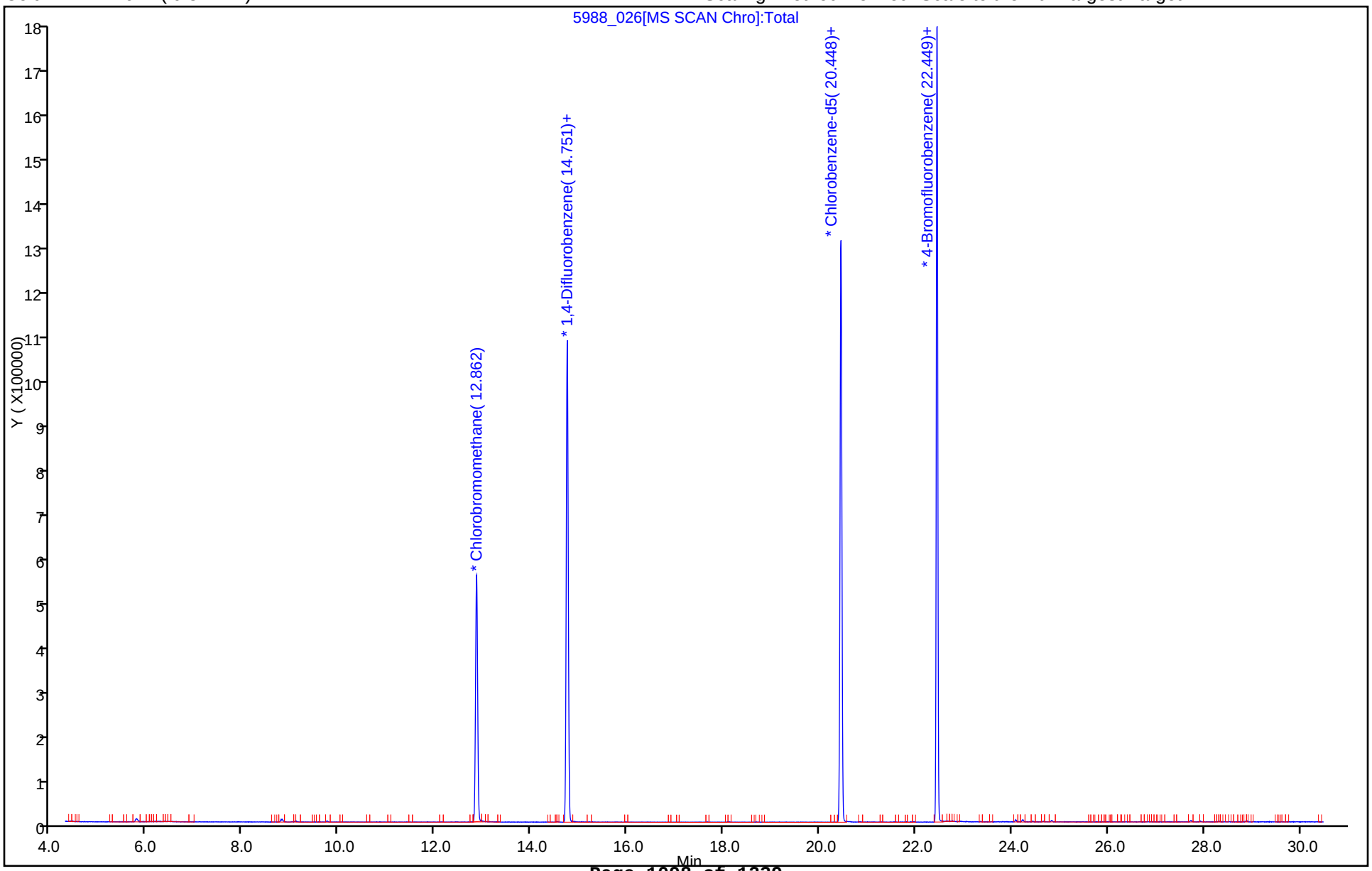
Report Date: 06-Feb-2014 12:51:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d

Injection Date:	05-Feb-2014 15:38:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	MB	Lab Sample ID:	MB 200-67984/26-A	Worklist Smp#:	26
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab File ID: wak001.d BFB Injection Date: 12/12/2013

Instrument ID: CHW.i BFB Injection Time: 15:40

Analysis Batch No.: 65929

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.0	
75	30.0 - 66.0% of mass 95	44.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	100.6	
175	4.0 - 9.0 % of mass 174	7.1	(7.1)1
176	93.0 - 101.0% of mass 174	97.7	(97.1)1
177	5.0 - 9.0% of mass 176	6.6	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-65929/4	wak004.d	12/12/2013	18:12
	IC 200-65929/5	wak005.d	12/12/2013	19:03
	IC 200-65929/6	wak006.d	12/12/2013	19:52
	IC 200-65929/7	wak007.d	12/12/2013	20:40
	ICIS 200-65929/8	wak008.d	12/12/2013	21:29
	IC 200-65929/9	wak009.d	12/12/2013	22:18
	IC 200-65929/10	wak010.d	12/12/2013	23:07
	IC 200-65929/11	wak011.d	12/12/2013	23:57
	ICV 200-65929/14	wak014.d	12/13/2013	02:26

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab File ID: 5988_001.d BFB Injection Date: 02/05/2014

Instrument ID: CHW.i BFB Injection Time: 11:05

Analysis Batch No.: 67984

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.7	
75	30.0 - 66.0% of mass 95	46.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.6	(0.5)1
174	50.0 - 120.0% of mass 95	104.5	
175	4.0 - 9.0 % of mass 174	7.3	(7.0)1
176	93.0 - 101.0% of mass 174	101.3	(96.9)1
177	5.0 - 9.0% of mass 176	6.7	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-67984/2	5988_002.d	02/05/2014	11:56
	LCS 200-67984/25	5988_025.d	02/05/2014	14:47
	MB 200-67984/26	5988_026.d	02/05/2014	15:38
5634	200-20735-6	5988_013.d	02/06/2014	08:58

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab File ID: wak001.d BFB Injection Date: 12/12/2013

Instrument ID: CHW.i BFB Injection Time: 15:40

Analysis Batch No.: 65929

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.0	
75	30.0 - 66.0% of mass 95	44.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	100.6	
175	4.0 - 9.0 % of mass 174	7.1	(7.1)1
176	93.0 - 101.0% of mass 174	97.7	(97.1)1
177	5.0 - 9.0% of mass 176	6.6	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-65929/4	wak004.d	12/12/2013	18:12
	IC 200-65929/5	wak005.d	12/12/2013	19:03
	IC 200-65929/6	wak006.d	12/12/2013	19:52
	IC 200-65929/7	wak007.d	12/12/2013	20:40
	ICIS 200-65929/8	wak008.d	12/12/2013	21:29
	IC 200-65929/9	wak009.d	12/12/2013	22:18
	IC 200-65929/10	wak010.d	12/12/2013	23:07
	IC 200-65929/11	wak011.d	12/12/2013	23:57
	ICV 200-65929/14	wak014.d	12/13/2013	02:26

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab File ID: 5988_001.d BFB Injection Date: 02/05/2014

Instrument ID: CHW.i BFB Injection Time: 11:05

Analysis Batch No.: 67984

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.7	
75	30.0 - 66.0% of mass 95	46.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.6	(0.5)1
174	50.0 - 120.0% of mass 95	104.5	
175	4.0 - 9.0 % of mass 174	7.3	(7.0)1
176	93.0 - 101.0% of mass 174	101.3	(96.9)1
177	5.0 - 9.0% of mass 176	6.7	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-67984/2	5988_002.d	02/05/2014	11:56
	LCS 200-67984/25	5988_025.d	02/05/2014	14:47
	MB 200-67984/26	5988_026.d	02/05/2014	15:38
3217	200-20762-12	5988_008.d	02/05/2014	20:06

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab File ID: wak001.d BFB Injection Date: 12/12/2013

Instrument ID: CHW.i BFB Injection Time: 15:40

Analysis Batch No.: 65929

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.0	
75	30.0 - 66.0% of mass 95	44.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	100.6	
175	4.0 - 9.0 % of mass 174	7.1	(7.1)1
176	93.0 - 101.0% of mass 174	97.7	(97.1)1
177	5.0 - 9.0% of mass 176	6.6	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-65929/4	wak004.d	12/12/2013	18:12
	IC 200-65929/5	wak005.d	12/12/2013	19:03
	IC 200-65929/6	wak006.d	12/12/2013	19:52
	IC 200-65929/7	wak007.d	12/12/2013	20:40
	ICIS 200-65929/8	wak008.d	12/12/2013	21:29
	IC 200-65929/9	wak009.d	12/12/2013	22:18
	IC 200-65929/10	wak010.d	12/12/2013	23:07
	IC 200-65929/11	wak011.d	12/12/2013	23:57
	ICV 200-65929/14	wak014.d	12/13/2013	02:26

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab File ID: 5988_001.d BFB Injection Date: 02/05/2014

Instrument ID: CHW.i BFB Injection Time: 11:05

Analysis Batch No.: 67984

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.7	
75	30.0 - 66.0% of mass 95	46.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.6	(0.5)1
174	50.0 - 120.0% of mass 95	104.5	
175	4.0 - 9.0 % of mass 174	7.3	(7.0)1
176	93.0 - 101.0% of mass 174	101.3	(96.9)1
177	5.0 - 9.0% of mass 176	6.7	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-67984/2	5988_002.d	02/05/2014	11:56
	LCS 200-67984/25	5988_025.d	02/05/2014	14:47
	MB 200-67984/26	5988_026.d	02/05/2014	15:38
2631	200-20763-7	5988_007.d	02/05/2014	19:00

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab File ID: wak001.d BFB Injection Date: 12/12/2013

Instrument ID: CHW.i BFB Injection Time: 15:40

Analysis Batch No.: 65929

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.0	
75	30.0 - 66.0% of mass 95	44.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	100.6	
175	4.0 - 9.0 % of mass 174	7.1	(7.1)1
176	93.0 - 101.0% of mass 174	97.7	(97.1)1
177	5.0 - 9.0% of mass 176	6.6	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-65929/4	wak004.d	12/12/2013	18:12
	IC 200-65929/5	wak005.d	12/12/2013	19:03
	IC 200-65929/6	wak006.d	12/12/2013	19:52
	IC 200-65929/7	wak007.d	12/12/2013	20:40
	ICIS 200-65929/8	wak008.d	12/12/2013	21:29
	IC 200-65929/9	wak009.d	12/12/2013	22:18
	IC 200-65929/10	wak010.d	12/12/2013	23:07
	IC 200-65929/11	wak011.d	12/12/2013	23:57
	ICV 200-65929/14	wak014.d	12/13/2013	02:26

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab File ID: 5988_001.d BFB Injection Date: 02/05/2014

Instrument ID: CHW.i BFB Injection Time: 11:05

Analysis Batch No.: 67984

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.7	
75	30.0 - 66.0% of mass 95	46.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.6	(0.5)1
174	50.0 - 120.0% of mass 95	104.5	
175	4.0 - 9.0 % of mass 174	7.3	(7.0)1
176	93.0 - 101.0% of mass 174	101.3	(96.9)1
177	5.0 - 9.0% of mass 176	6.7	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-67984/2	5988_002.d	02/05/2014	11:56
	LCS 200-67984/25	5988_025.d	02/05/2014	14:47
	MB 200-67984/26	5988_026.d	02/05/2014	15:38
2523	200-20780-8	5988_005.d	02/05/2014	16:44

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Sample No.: ICIS 200-65929/8 Date Analyzed: 12/12/2013 21:29

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): wak008.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		248225	12.87	1207029	14.76	1082079	20.45
UPPER LIMIT		347515	13.20	1689841	15.09	1514911	20.78
LOWER LIMIT		148935	12.54	724217	14.43	649247	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-65929/14		239504	12.87	1142712	14.75	1065474	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Sample No.: CCVIS 200-67984/2 Date Analyzed: 02/05/2014 11:56

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 5988_002.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		268504	12.86	1263079	14.75	1180358	20.45
UPPER LIMIT		375906	13.19	1768311	15.08	1652501	20.78
LOWER LIMIT		161102	12.53	757847	14.42	708215	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-67984/25		262124	12.86	1217427	14.75	1165109	20.45
MB 200-67984/26		304491	12.86	1492766	14.75	1283110	20.45
200-20735-6	5634	267894	12.85	1294923	14.74	1104655	20.44

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Sample No.: ICIS 200-65929/8 Date Analyzed: 12/12/2013 21:29

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): wak008.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		248225	12.87	1207029	14.76	1082079	20.45
UPPER LIMIT		347515	13.20	1689841	15.09	1514911	20.78
LOWER LIMIT		148935	12.54	724217	14.43	649247	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-65929/14		239504	12.87	1142712	14.75	1065474	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Sample No.: CCVIS 200-67984/2 Date Analyzed: 02/05/2014 11:56

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 5988_002.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		268504	12.86	1263079	14.75	1180358	20.45
UPPER LIMIT		375906	13.19	1768311	15.08	1652501	20.78
LOWER LIMIT		161102	12.53	757847	14.42	708215	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-67984/25		262124	12.86	1217427	14.75	1165109	20.45
MB 200-67984/26		304491	12.86	1492766	14.75	1283110	20.45
200-20762-12	3217	263456	12.87	1276266	14.76	1092574	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Sample No.: ICIS 200-65929/8 Date Analyzed: 12/12/2013 21:29

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): wak008.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		248225	12.87	1207029	14.76	1082079	20.45
UPPER LIMIT		347515	13.20	1689841	15.09	1514911	20.78
LOWER LIMIT		148935	12.54	724217	14.43	649247	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-65929/14		239504	12.87	1142712	14.75	1065474	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Sample No.: CCVIS 200-67984/2 Date Analyzed: 02/05/2014 11:56

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 5988_002.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		268504	12.86	1263079	14.75	1180358	20.45
UPPER LIMIT		375906	13.19	1768311	15.08	1652501	20.78
LOWER LIMIT		161102	12.53	757847	14.42	708215	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-67984/25		262124	12.86	1217427	14.75	1165109	20.45
MB 200-67984/26		304491	12.86	1492766	14.75	1283110	20.45
200-20763-7	2631	260314	12.86	1273595	14.75	1096431	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Sample No.: ICIS 200-65929/8 Date Analyzed: 12/12/2013 21:29

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): wak008.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		248225	12.87	1207029	14.76	1082079	20.45
UPPER LIMIT		347515	13.20	1689841	15.09	1514911	20.78
LOWER LIMIT		148935	12.54	724217	14.43	649247	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-65929/14		239504	12.87	1142712	14.75	1065474	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Sample No.: CCVIS 200-67984/2 Date Analyzed: 02/05/2014 11:56

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 5988_002.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		268504	12.86	1263079	14.75	1180358	20.45
UPPER LIMIT		375906	13.19	1768311	15.08	1652501	20.78
LOWER LIMIT		161102	12.53	757847	14.42	708215	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-67984/25		262124	12.86	1217427	14.75	1165109	20.45
MB 200-67984/26		304491	12.86	1492766	14.75	1283110	20.45
200-20780-8	2523	285547	12.85	1390713	14.75	1200992	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Client Sample ID: 5634 Lab Sample ID: 200-20735-6

Matrix: Air Lab File ID: 5988_013.d

Analysis Method: TO-15 Date Collected: 01/31/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/06/2014 08:58

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U *	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U *	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U *	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U *	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U *	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U *	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U *	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U *	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U *	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U *	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U *	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U *	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U *	0.040	0.040
110-82-7	Cyclohexane	0.040	U *	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U *	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U *	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Client Sample ID: 5634 Lab Sample ID: 200-20735-6

Matrix: Air Lab File ID: 5988_013.d

Analysis Method: TO-15 Date Collected: 01/31/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/06/2014 08:58

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U *	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U *	0.040	0.040
142-82-5	n-Heptane	0.040	U *	0.040	0.040
79-01-6	Trichloroethene	0.040	U *	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U *	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U *	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U *	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U *	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U *	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U *	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U *	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U *	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U *	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U *	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U *	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U *	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U *	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U *	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U *	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U *	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Client Sample ID: 5634 Lab Sample ID: 200-20735-6

Matrix: Air Lab File ID: 5988_013.d

Analysis Method: TO-15 Date Collected: 01/31/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/06/2014 08:58

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U *	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

Report Date: 06-Feb-2014 11:30:51 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_013.d
Lims ID: 200-20735-A-6 Lab Sample ID: 200-20735-6
Client ID: 5634
Sample Type: Client
Inject. Date: 06-Feb-2014 08:58:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0005988-013
Misc. Info.: 200-20735-a-6
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 06-Feb-2014 11:30:50 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: lyonsb Date: 06-Feb-2014 11:30:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.186					
19 Ethanol	45		7.807					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.518					
24 Acetone	43	8.775	8.749	0.027	58	7725	0.2069	M
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.037					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.915					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.241					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.397					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.852					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 42 Chlorobromomethane	128	12.852	12.857	-0.005	67	267894	10.0	
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.264					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.740	14.751	-0.011	93	1294923	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.227					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.956					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.443	20.448	-0.005	83	1104655	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.444	22.449	-0.005	0	733975	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags

110 BFB

QC Flag Legend

Review Flags
M - Manually Integrated

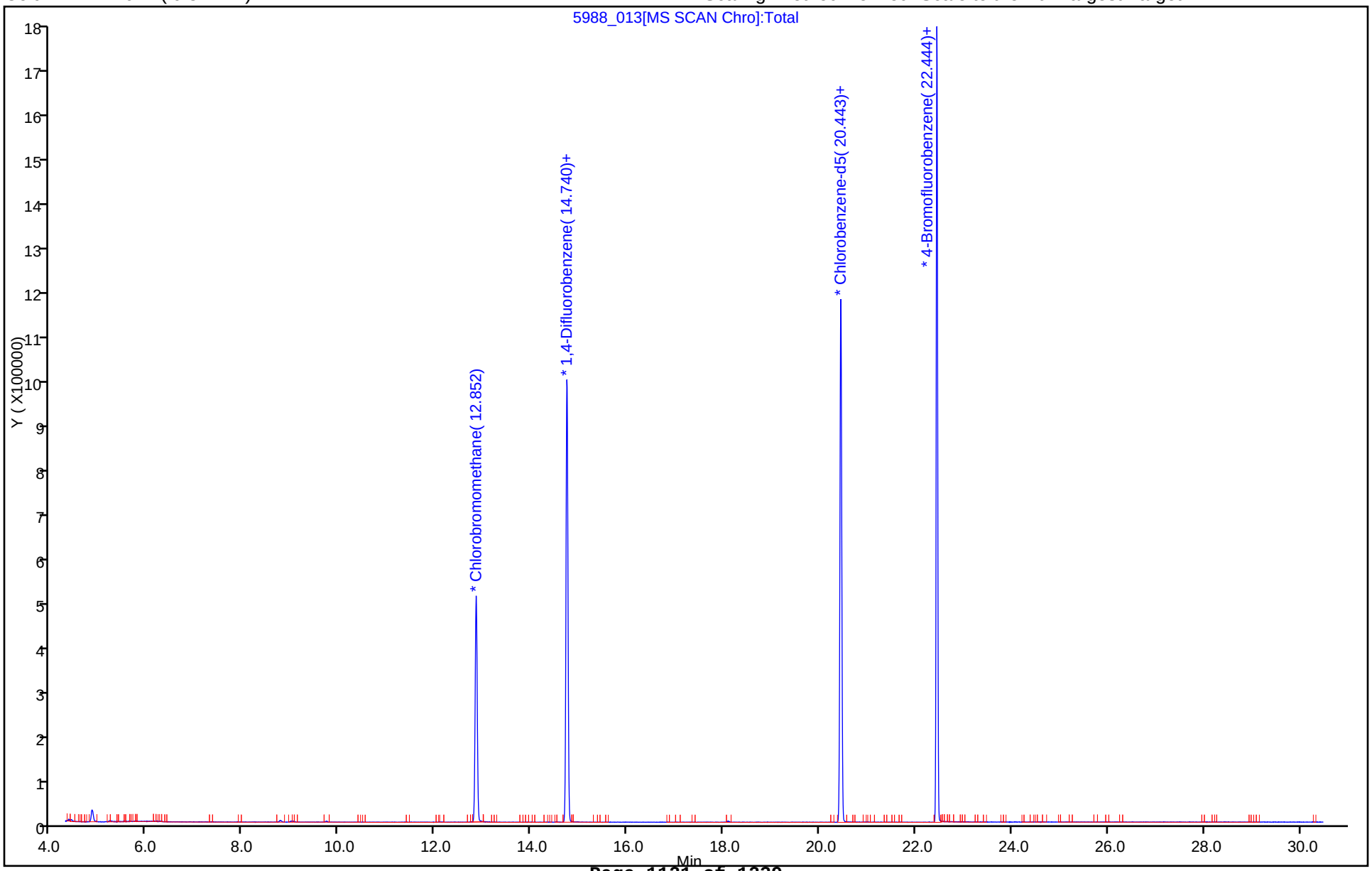
Report Date: 06-Feb-2014 11:30:51 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_013.d

Injection Date:	06-Feb-2014 08:58:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	200-20735-A-6	Lab Sample ID:	200-20735-6	Worklist Smp#:	13
Client ID:	5634				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	12
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

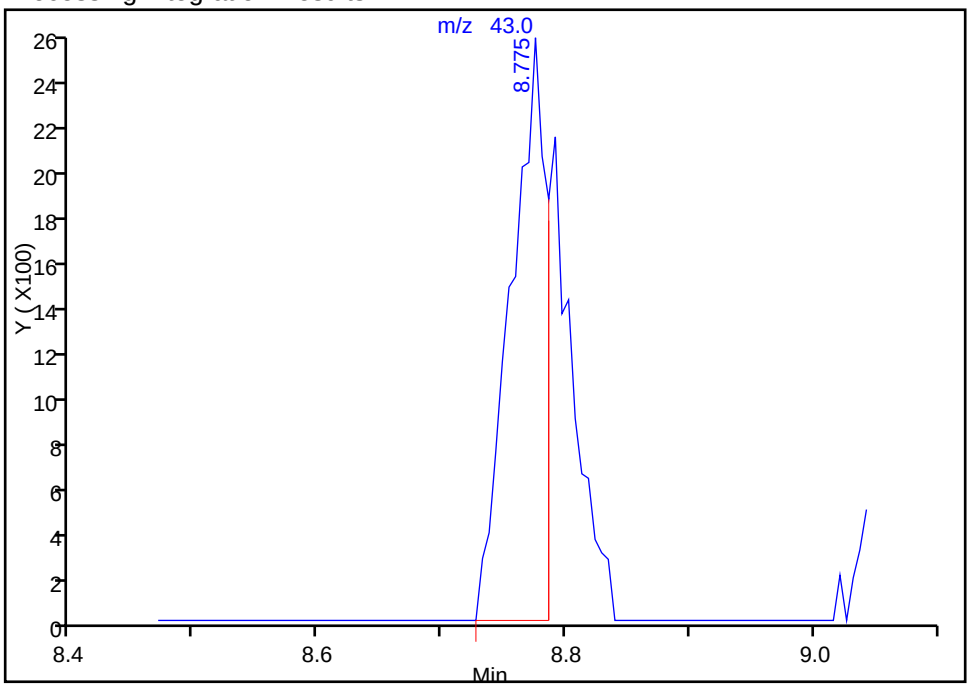
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_013.d				
Injection Date:	06-Feb-2014 08:58:30	Instrument ID:	CHW.i		
Lims ID:	200-20735-A-6	Lab Sample ID:	200-20735-6		
Client ID:	5634				
Operator ID:	PAD	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

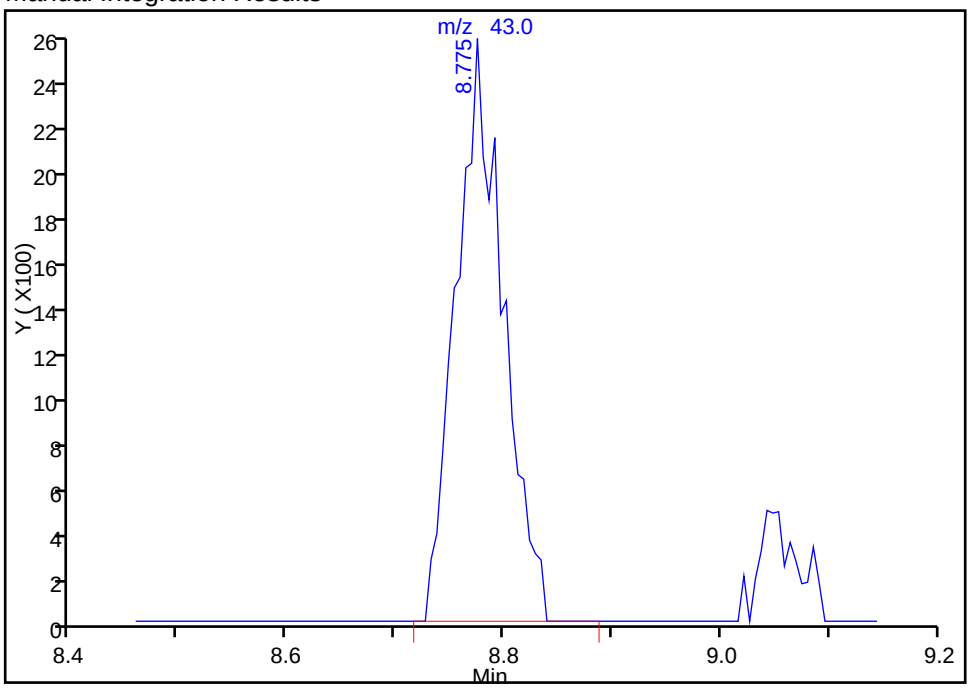
Processing Integration Results

RT: 8.78
Response: 5156
Amount: 0.138083



Manual Integration Results

RT: 8.78
Response: 7725
Amount: 0.206883



Reviewer: lyonsb, 06-Feb-2014 11:30:05
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

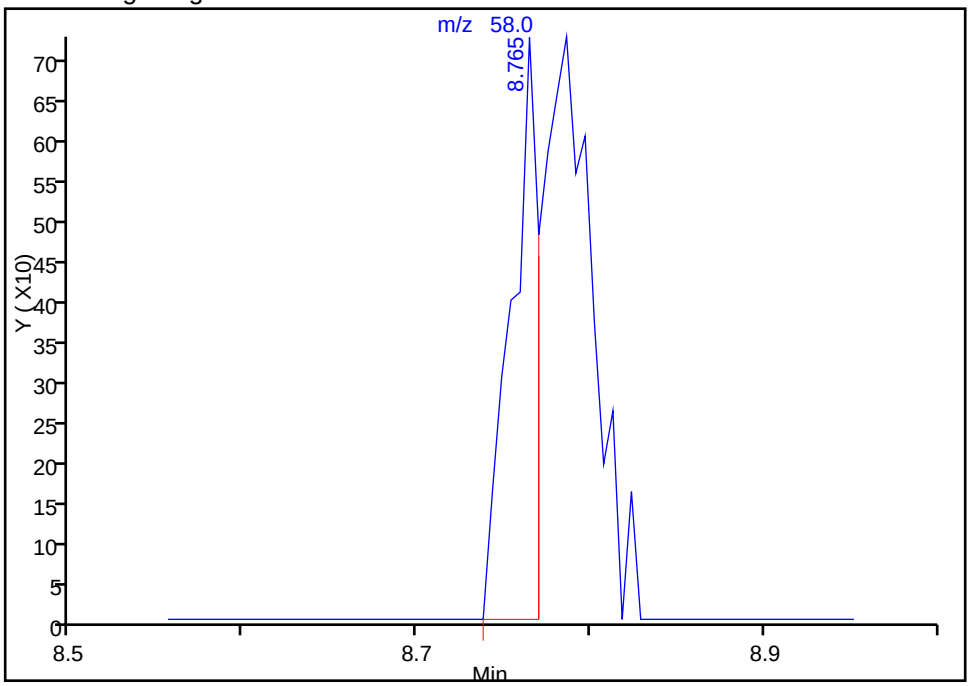
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_013.d				
Injection Date:	06-Feb-2014 08:58:30	Instrument ID:	CHW.i		
Lims ID:	200-20735-A-6	Lab Sample ID:	200-20735-6		
Client ID:	5634				
Operator ID:	PAD	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

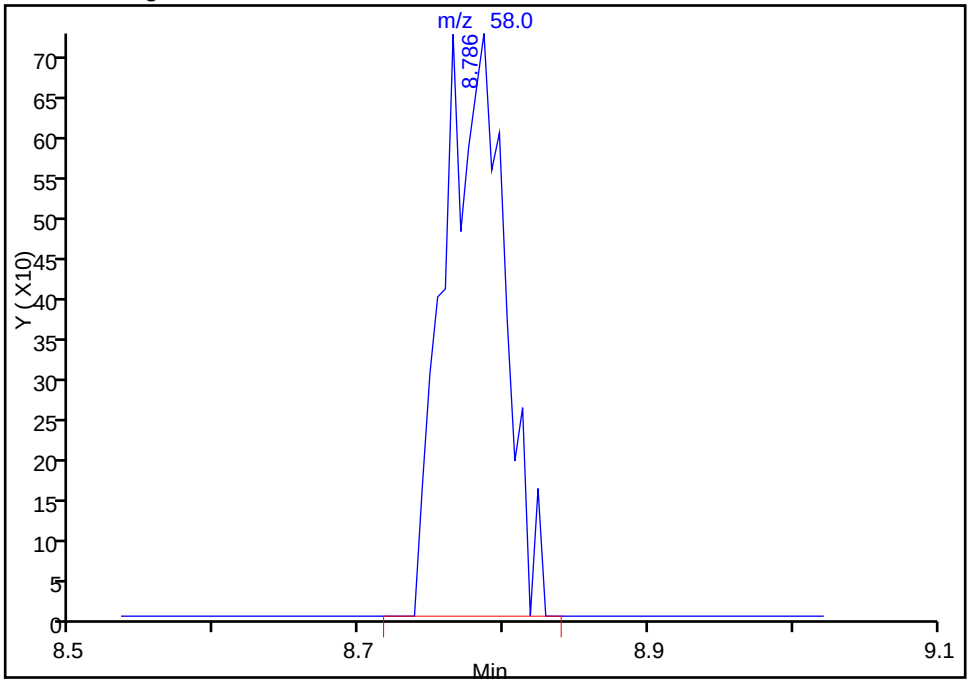
Processing Integration Results

RT: 8.76
Response: 788
Amount: 0.138083



Manual Integration Results

RT: 8.79
Response: 2096
Amount: 0.206883



Reviewer: lyonsb, 06-Feb-2014 11:30:05
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Client Sample ID: 3217 Lab Sample ID: 200-20762-12

Matrix: Air Lab File ID: 5988_008.d

Analysis Method: TO-15 Date Collected: 02/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 20:06

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U *	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U *	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U *	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U *	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U *	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U *	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U *	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U *	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U *	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U *	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U *	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U *	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U *	0.040	0.040
110-82-7	Cyclohexane	0.040	U *	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U *	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U *	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Client Sample ID: 3217 Lab Sample ID: 200-20762-12

Matrix: Air Lab File ID: 5988_008.d

Analysis Method: TO-15 Date Collected: 02/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 20:06

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U *	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U *	0.040	0.040
142-82-5	n-Heptane	0.040	U *	0.040	0.040
79-01-6	Trichloroethene	0.040	U *	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U *	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U *	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U *	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U *	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U *	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U *	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U *	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U *	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U *	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U *	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U *	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U *	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U *	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U *	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U *	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U *	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Client Sample ID: 3217 Lab Sample ID: 200-20762-12

Matrix: Air Lab File ID: 5988_008.d

Analysis Method: TO-15 Date Collected: 02/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 20:06

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U *	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_008.d
Lims ID: 200-20762-A-12 Lab Sample ID: 200-20762-12
Client ID: 3217
Sample Type: Client
Inject. Date: 05-Feb-2014 20:06:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0005988-008
Misc. Info.: 200-20762-A-12
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 06-Feb-2014 11:30:50 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: lyonsb Date: 06-Feb-2014 11:23:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.186					
19 Ethanol	45		7.807					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.518					
24 Acetone	43	8.845	8.749	0.097	74	6661	0.1814	M
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45	9.139	9.037	0.102	44	3291	0.1263	M
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.915					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.241					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.397					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.852					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 42 Chlorobromomethane	128	12.873	12.857	0.016	69	263456	10.0	
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.264					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.756	14.751	0.005	92	1276266	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.227					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.956					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	84	1092574	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	710333	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags

110 BFB

QC Flag Legend

Review Flags
M - Manually Integrated

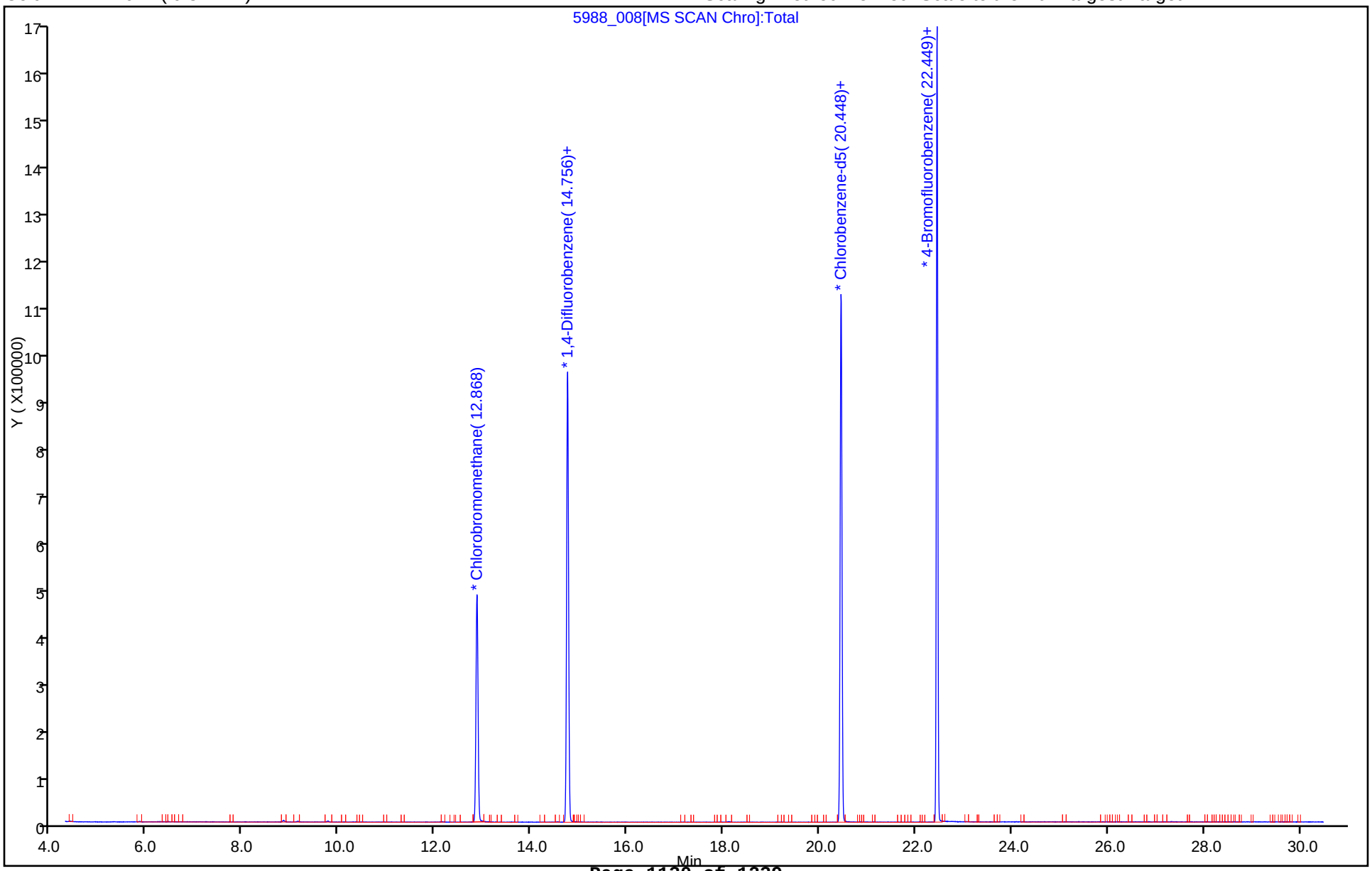
Report Date: 06-Feb-2014 11:30:55 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_008.d

Injection Date:	05-Feb-2014 20:06:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	200-20762-A-12	Lab Sample ID:	200-20762-12	Worklist Smp#:	8
Client ID:	3217				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	7
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

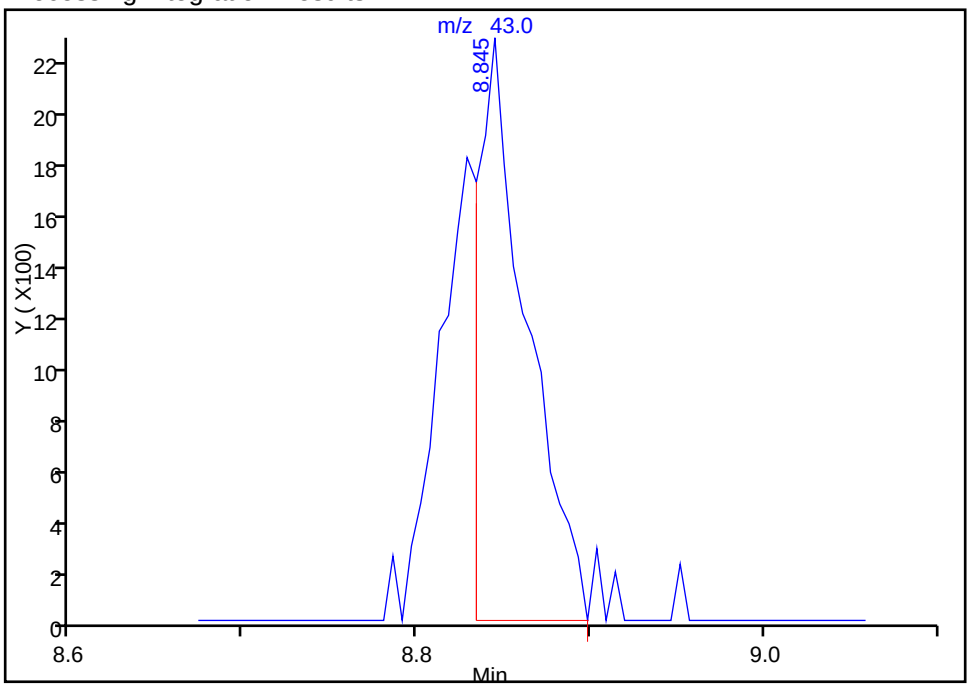
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_008.d				
Injection Date:	05-Feb-2014 20:06:30	Instrument ID:	CHW.i		
Lims ID:	200-20762-A-12	Lab Sample ID:	200-20762-12		
Client ID:	3217				
Operator ID:	PAD	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

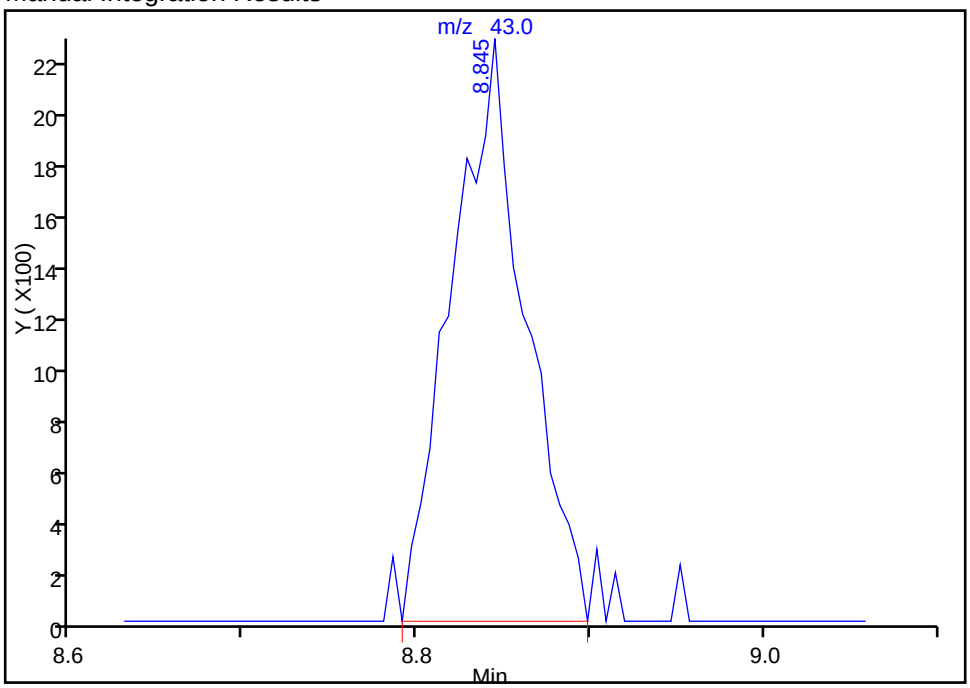
Processing Integration Results

RT: 8.84
Response: 4423
Amount: 0.120448



Manual Integration Results

RT: 8.84
Response: 6661
Amount: 0.181393



Reviewer: lyonsb, 06-Feb-2014 11:23:54
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

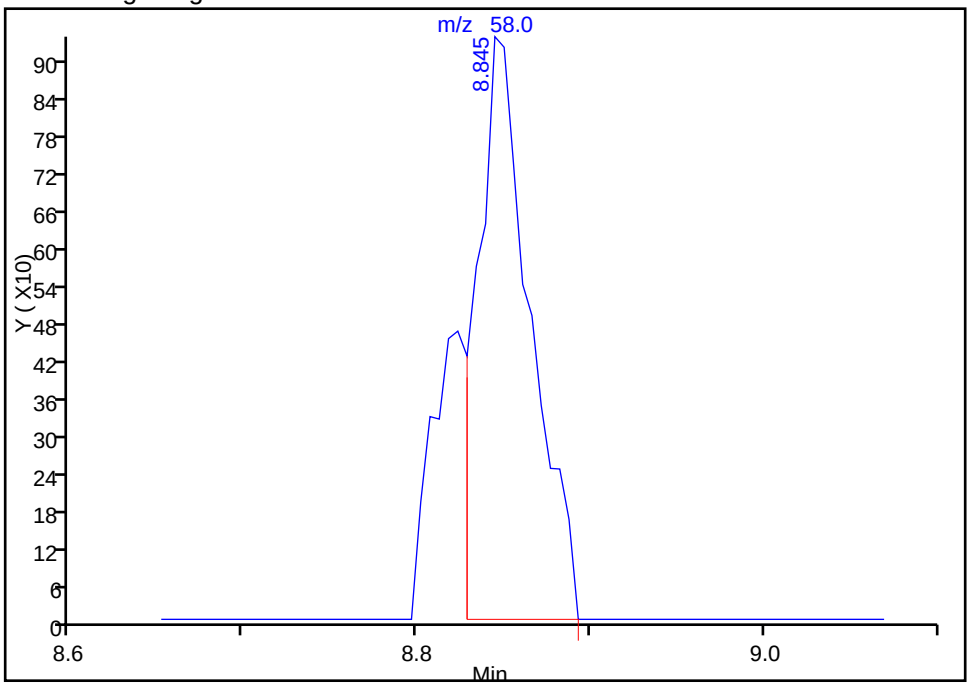
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_008.d				
Injection Date:	05-Feb-2014 20:06:30	Instrument ID:	CHW.i		
Lims ID:	200-20762-A-12	Lab Sample ID:	200-20762-12		
Client ID:	3217				
Operator ID:	PAD	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

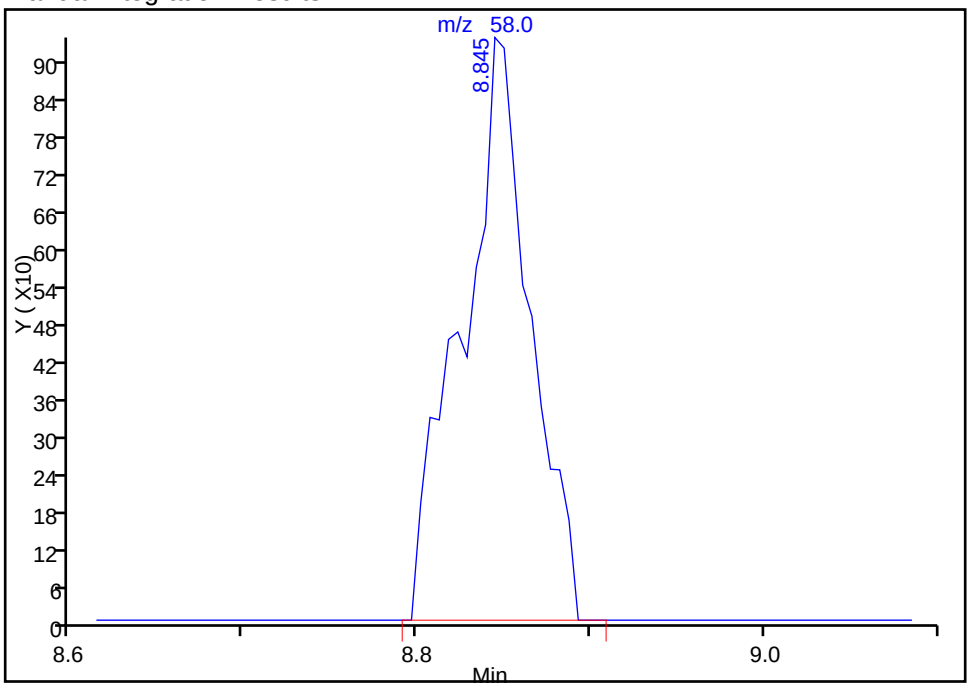
Processing Integration Results

RT: 8.84
Response: 1995
Amount: 0.120448



Manual Integration Results

RT: 8.84
Response: 2555
Amount: 0.181393



Reviewer: lyonsb, 06-Feb-2014 11:23:54
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

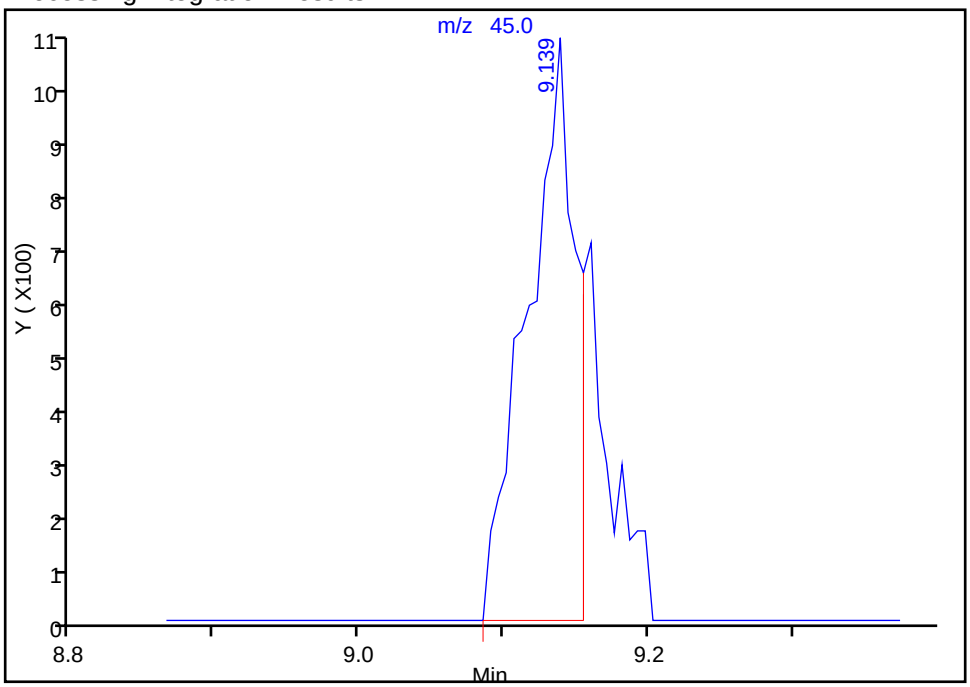
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_008.d				
Injection Date:	05-Feb-2014 20:06:30	Instrument ID:	CHW.i		
Lims ID:	200-20762-A-12	Lab Sample ID:	200-20762-12		
Client ID:	3217				
Operator ID:	PAD	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0

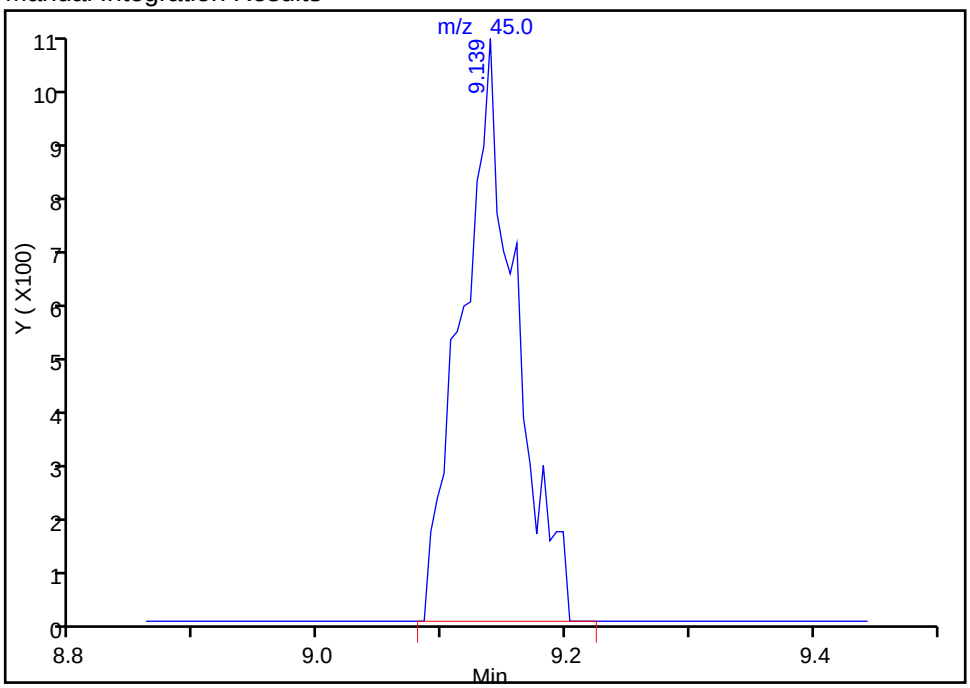
Processing Integration Results

RT: 9.14
Response: 2539
Amount: 0.097459



Manual Integration Results

RT: 9.14
Response: 3291
Amount: 0.126324



Reviewer: lyonsb, 06-Feb-2014 11:23:54
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

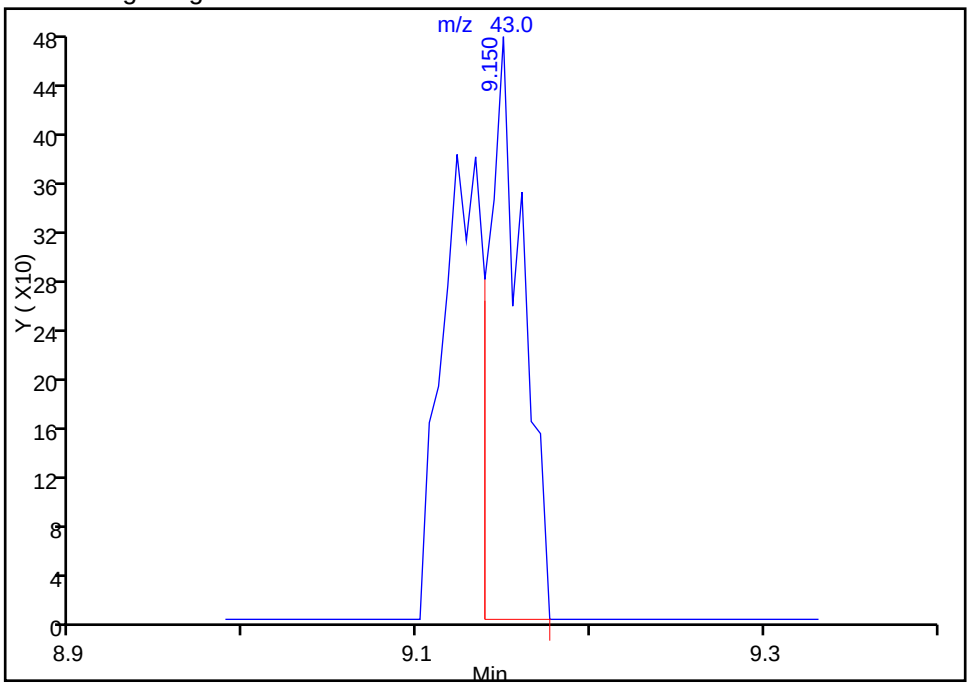
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_008.d				
Injection Date:	05-Feb-2014 20:06:30	Instrument ID:	CHW.i		
Lims ID:	200-20762-A-12	Lab Sample ID:	200-20762-12		
Client ID:	3217				
Operator ID:	PAD	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0

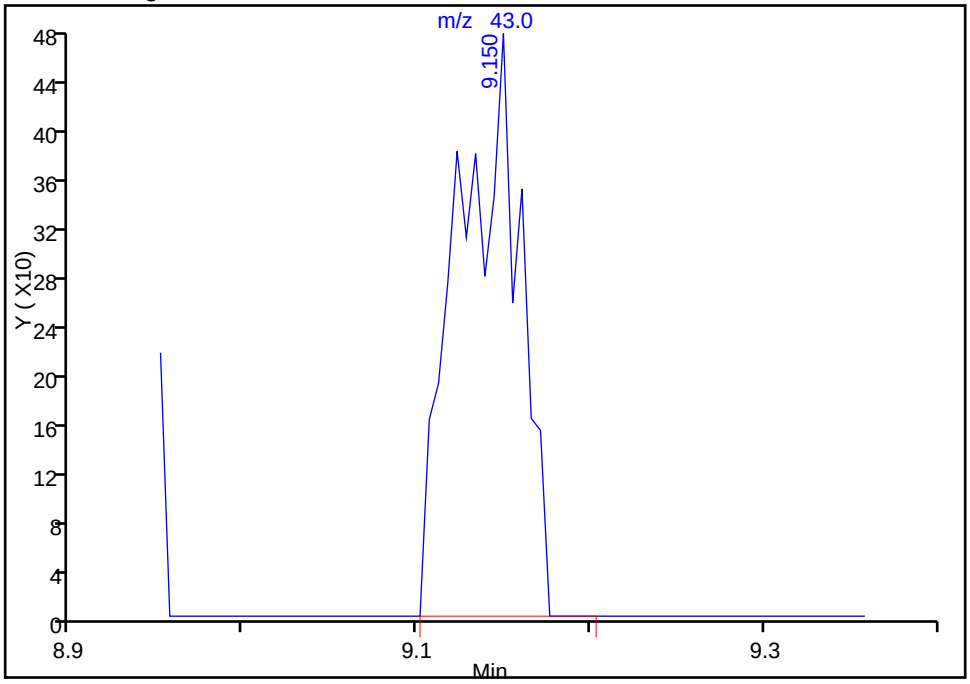
Processing Integration Results

RT: 9.15
Response: 652
Amount: 0.097459



Manual Integration Results

RT: 9.15
Response: 1200
Amount: 0.126324



Reviewer: lyonsb, 06-Feb-2014 11:23:54
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Client Sample ID: 2631 Lab Sample ID: 200-20763-7

Matrix: Air Lab File ID: 5988_007.d

Analysis Method: TO-15 Date Collected: 02/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 19:00

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U *	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U *	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U *	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U *	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U *	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U *	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U *	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U *	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U *	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U *	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U *	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U *	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U *	0.040	0.040
110-82-7	Cyclohexane	0.040	U *	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U *	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U *	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Client Sample ID: 2631 Lab Sample ID: 200-20763-7

Matrix: Air Lab File ID: 5988_007.d

Analysis Method: TO-15 Date Collected: 02/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 19:00

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U *	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U *	0.040	0.040
142-82-5	n-Heptane	0.040	U *	0.040	0.040
79-01-6	Trichloroethene	0.040	U *	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U *	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U *	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U *	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U *	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U *	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U *	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U *	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U *	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U *	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U *	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U *	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U *	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U *	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U *	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U *	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U *	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Client Sample ID: 2631 Lab Sample ID: 200-20763-7

Matrix: Air Lab File ID: 5988_007.d

Analysis Method: TO-15 Date Collected: 02/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 19:00

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U *	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

Report Date: 06-Feb-2014 11:30:56 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_007.d
Lims ID: 200-20763-A-7 Lab Sample ID: 200-20763-7
Client ID: 2631
Sample Type: Client
Inject. Date: 05-Feb-2014 19:00:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0005988-007
Misc. Info.: 200-20763-A-7
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 06-Feb-2014 11:30:50 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: lyonsb Date: 06-Feb-2014 11:23:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.186					
19 Ethanol	45		7.807					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.518					
24 Acetone	43	8.775	8.749	0.027	71	9604	0.2647	
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.037					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.915					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.241					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.397					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.852					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 42 Chlorobromomethane	128	12.857	12.857	0.0	69	260314	10.0	
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.264					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.746	14.751	-0.005	92	1273595	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.227					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.956					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	84	1096431	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.444	22.449	-0.005	0	705251	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags

110 BFB

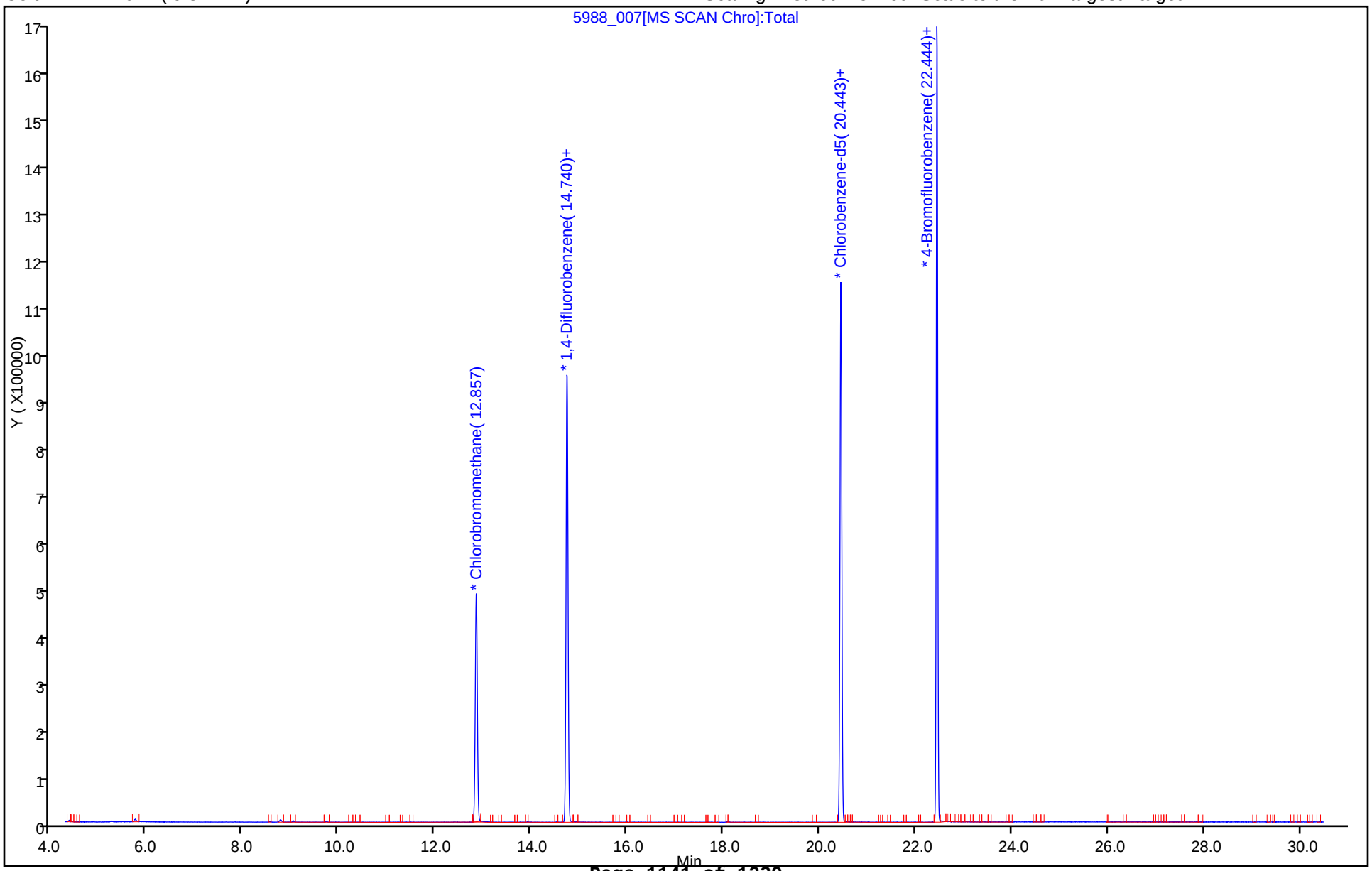
Report Date: 06-Feb-2014 11:30:56 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_007.d

Injection Date:	05-Feb-2014 19:00:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	200-20763-A-7	Lab Sample ID:	200-20763-7	Worklist Smp#:	7
Client ID:	2631				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	6
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Client Sample ID: 2523 Lab Sample ID: 200-20780-8

Matrix: Air Lab File ID: 5988_005.d

Analysis Method: TO-15 Date Collected: 02/04/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 16:44

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U *	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U *	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U *	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U *	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U *	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U *	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U *	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U *	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U *	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U *	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U *	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U *	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U *	0.040	0.040
110-82-7	Cyclohexane	0.040	U *	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U *	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U *	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Client Sample ID: 2523 Lab Sample ID: 200-20780-8

Matrix: Air Lab File ID: 5988_005.d

Analysis Method: TO-15 Date Collected: 02/04/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 16:44

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U *	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U *	0.040	0.040
142-82-5	n-Heptane	0.040	U *	0.040	0.040
79-01-6	Trichloroethene	0.040	U *	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U *	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U *	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U *	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U *	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U *	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U *	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U *	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U *	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U *	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U *	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U *	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U *	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U *	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U *	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U *	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U *	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Client Sample ID: 2523 Lab Sample ID: 200-20780-8

Matrix: Air Lab File ID: 5988_005.d

Analysis Method: TO-15 Date Collected: 02/04/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 16:44

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U *	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_005.d
Lims ID: 200-20780-A-8 Lab Sample ID: 200-20780-8
Client ID: 2523
Sample Type: Client
Inject. Date: 05-Feb-2014 16:44:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0005988-005
Misc. Info.: 200-20780-A-8
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 06-Feb-2014 11:30:50 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: lyonsb Date: 06-Feb-2014 11:21:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51	4.538	4.533	0.005	57	6023	0.1422	M
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.186					
19 Ethanol	45		7.807					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.518					
24 Acetone	43		8.749					
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.037					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.915					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.241					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.397					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.852					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 42 Chlorobromomethane	128	12.852	12.857	-0.005	69	285547	10.0	
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.264					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.745	14.751	-0.006	92	1390713	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.227					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.956					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	83	1200992	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	765556	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags

110 BFB

QC Flag Legend

Review Flags
M - Manually Integrated

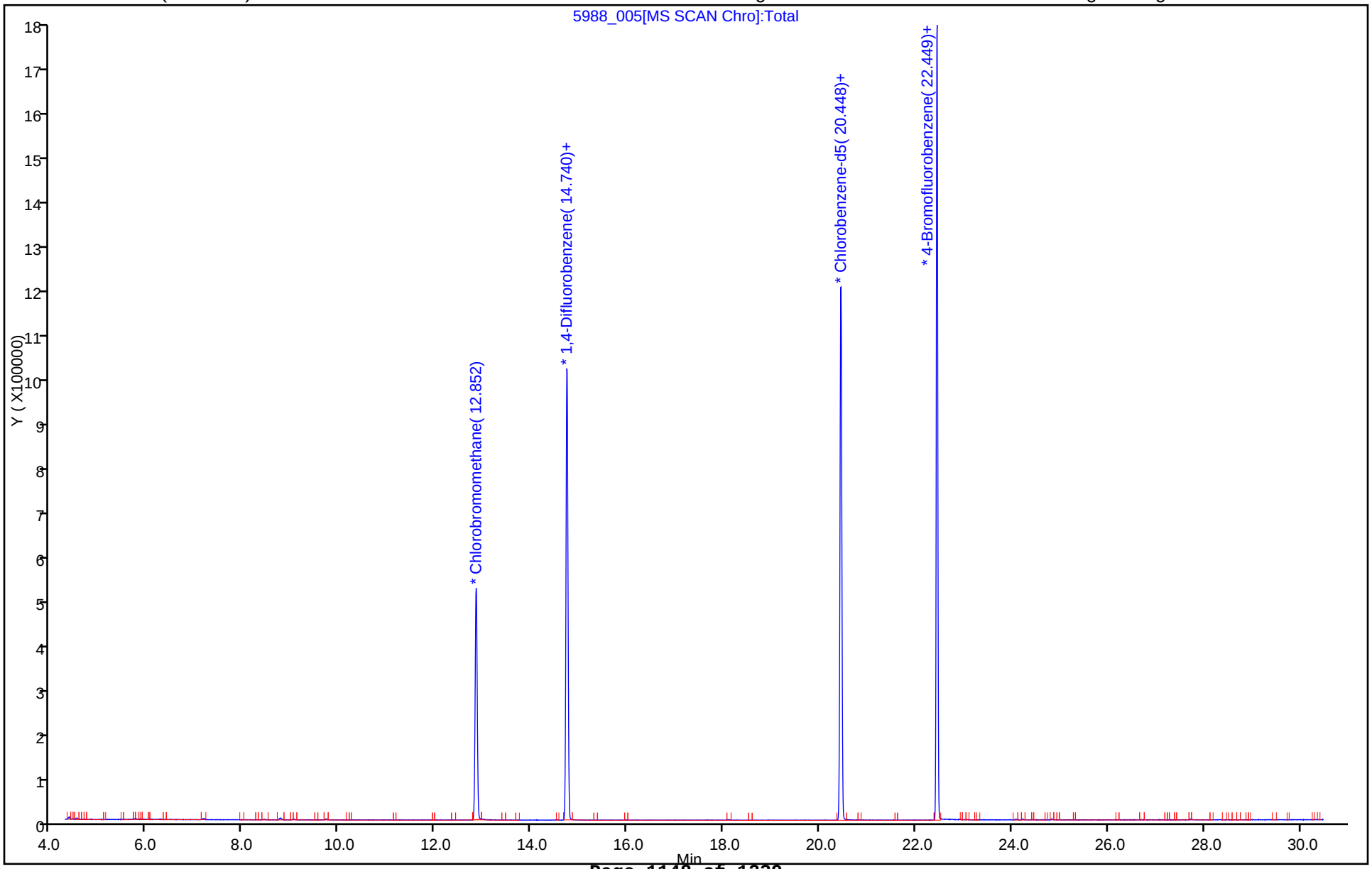
Report Date: 06-Feb-2014 11:30:58 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_005.d

Injection Date:	05-Feb-2014 16:44:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	200-20780-A-8	Lab Sample ID:	200-20780-8	Worklist Smp#:	5
Client ID:	2523				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	4
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

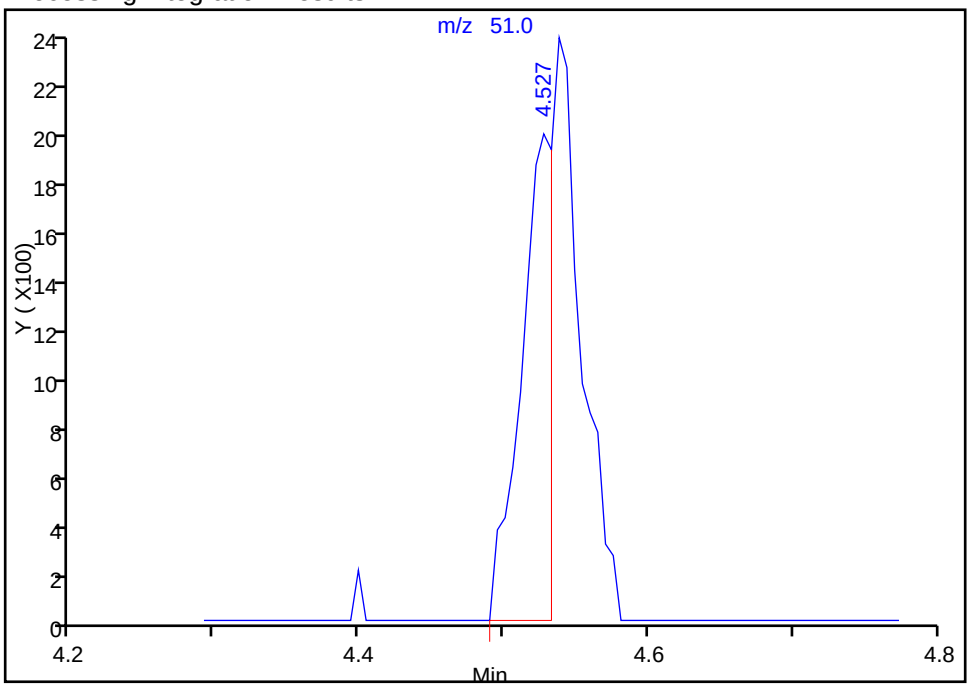
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_005.d				
Injection Date:	05-Feb-2014 16:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20780-A-8	Lab Sample ID:	200-20780-8		
Client ID:	2523				
Operator ID:	PAD	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Chlorodifluoromethane, CAS: 75-45-6

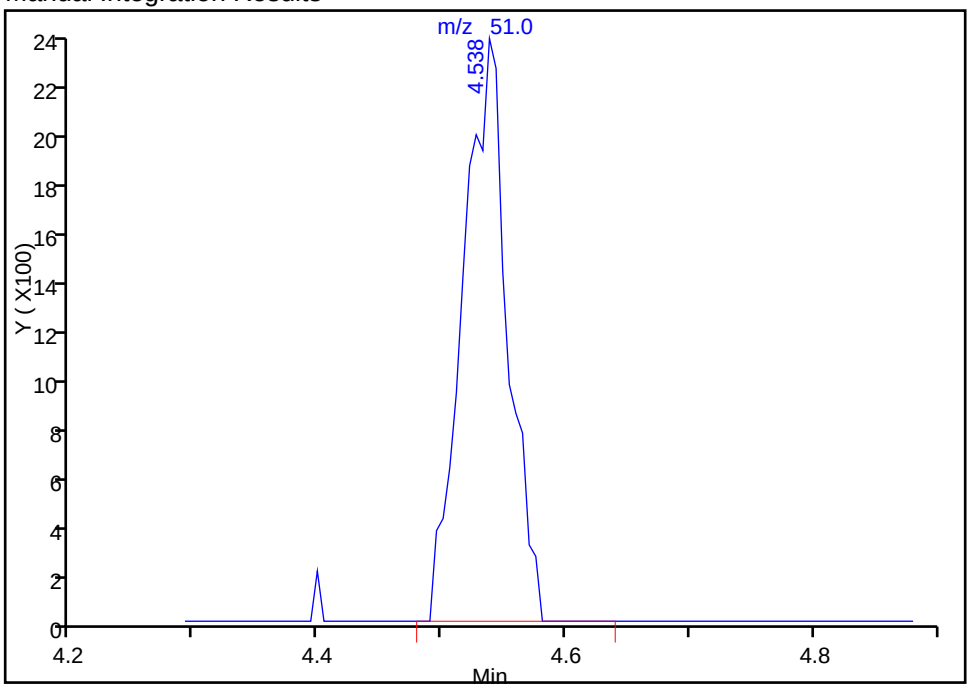
Processing Integration Results

RT: 4.53
Response: 3060
Amount: 0.072226



Manual Integration Results

RT: 4.54
Response: 6023
Amount: 0.142162



Reviewer: lyonsb, 06-Feb-2014 11:21:01
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

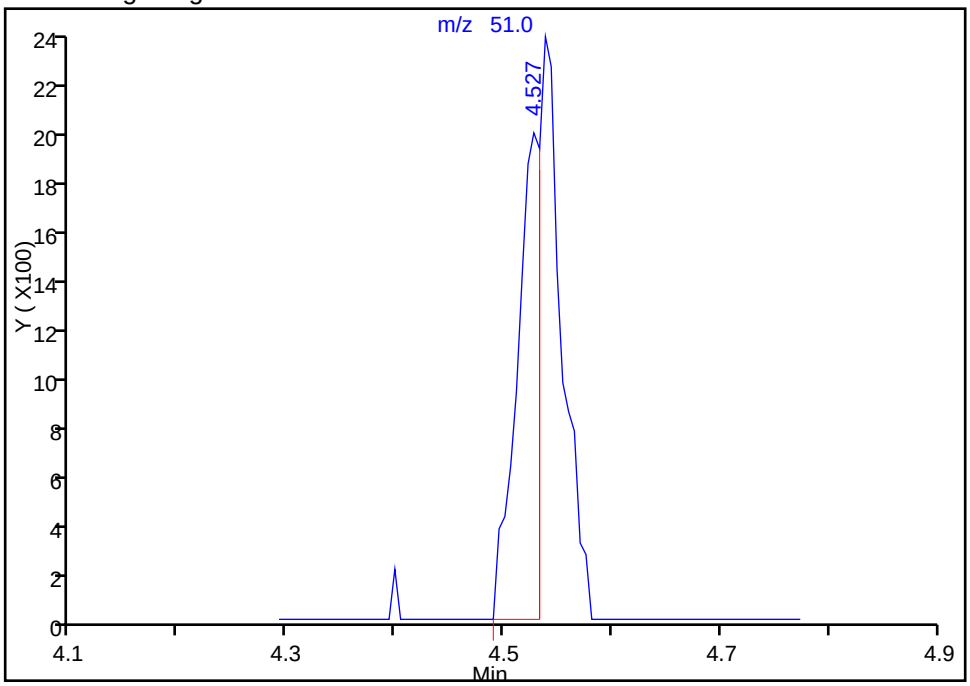
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_005.d				
Injection Date:	05-Feb-2014 16:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20780-A-8	Lab Sample ID:	200-20780-8		
Client ID:	2523				
Operator ID:	PAD	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Chlorodifluoromethane, CAS: 75-45-6

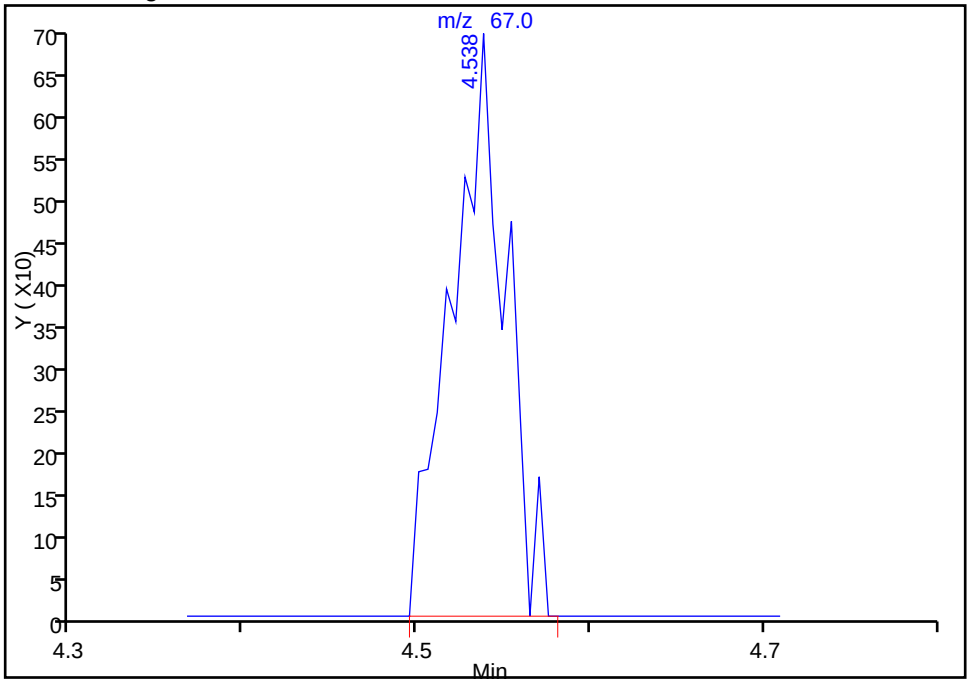
Processing Integration Results

RT: 4.53
Response: 0
Amount: 0.072226



Manual Integration Results

RT: 4.54
Response: 1518
Amount: 0.142162



Reviewer: lyonsb, 06-Feb-2014 11:21:01
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

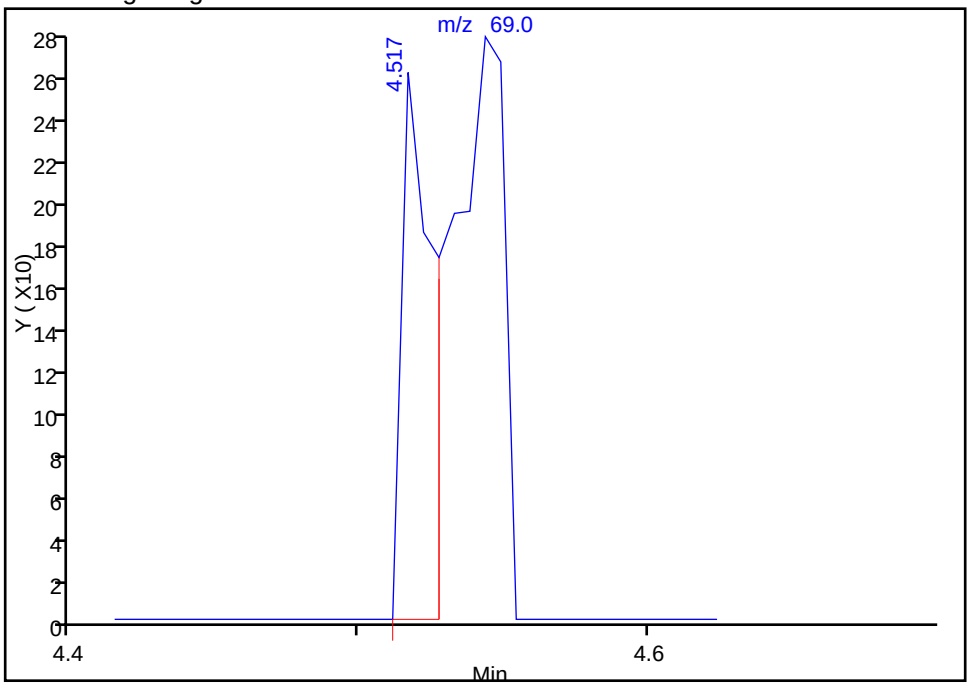
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_005.d				
Injection Date:	05-Feb-2014 16:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20780-A-8	Lab Sample ID:	200-20780-8		
Client ID:	2523				
Operator ID:	PAD	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Chlorodifluoromethane, CAS: 75-45-6

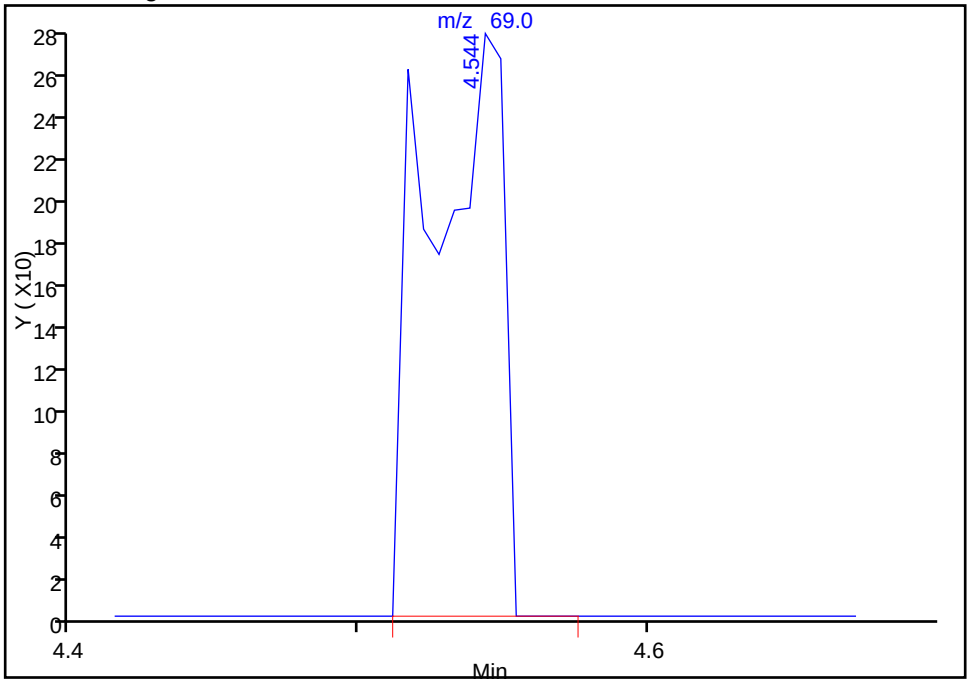
Processing Integration Results

RT: 4.52
Response: 198
Amount: 0.072226



Manual Integration Results

RT: 4.54
Response: 496
Amount: 0.142162



Reviewer: lyonsb, 06-Feb-2014 11:21:01
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5718	+++++ 0.5385	0.6481 0.5237	0.5011	0.5642	Ave		0.5579				9.2		30.0			
Dichlorodifluoromethane	+++++ 4.0127	+++++ 3.7871	4.0771 3.6104	3.5425	4.0272	Ave		3.8428				6.0		30.0			
Freon 22	+++++ 1.5431	+++++ 1.4802	1.5837 1.4422	1.3171	1.5358	Ave		1.4837				6.4		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.7079	3.6219 3.5041	3.8666 3.2874	3.2774	3.7402	Ave		3.5722				6.3		30.0			
Chloromethane	+++++ 0.6827	+++++ 0.6601	0.6793 0.6465	0.5944	0.6753	Ave		0.6564				5.1		30.0			
n-Butane	+++++ 1.1407	+++++ 1.1380	1.1873 1.0558	0.9660	1.1500	Ave		1.1063				7.3		30.0			
Vinyl chloride	0.7183 0.9248	0.8293 0.9388	0.8845 0.8637	0.7757	0.9228	Ave		0.8572				9.1		30.0			
1,3-Butadiene	+++++ 0.5933	0.5458 0.6313	0.3447 0.5801	0.5135	0.6028	Ave		0.5445				18.0		30.0			
Bromomethane	+++++ 0.9929	0.9302 0.9884	1.0175 0.9283	0.8407	0.9729	Ave		0.9530				6.2		30.0			
Chloroethane	+++++ 0.5158	+++++ 0.4856	0.2254 0.4927	0.4648	0.5416	Ave		0.4543				25.0		30.0			
Isopentane	+++++ 0.9224	0.9278 0.8469	0.9465 0.8725	0.8069	0.9413	Ave		0.8949				6.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.4182	1.2679 1.3063	1.2953 1.2964	1.2061	1.3949	Ave		1.3122				5.6		30.0			
Trichlorofluoromethane	+++++ 4.3300	4.0385 4.0915	4.3114 3.9435	3.7548	4.3024	Ave		4.1103				5.3		30.0			
n-Pentane	+++++ 1.4682	+++++ 1.3906	1.4133 1.3331	1.2451	1.4433	Ave		1.3823				5.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.3296	+++++ 0.2850	0.2815 0.2667	0.2273	0.3103	Ave		0.2834				13.0		30.0			
Ethyl ether	+++++ 0.8142	0.5778 0.7515	0.7218 0.7296	0.6797	0.7748	Ave		0.7213				11.0		30.0			
Acrolein	+++++ 0.3653	+++++ 0.3320	+++++ 0.3209	0.3036	0.3556	Ave		0.3355				7.5		30.0			
Freon TF	+++++ 2.7731	2.6341 2.5978	2.8528 2.4573	2.4543	2.7999	Ave		2.6528				6.1		30.0			
1,1-Dichloroethene	+++++ 1.2963	1.1606 1.2262	1.2538 1.1810	1.1104	1.2811	Ave		1.2156				5.6		30.0			
Acetone	+++++ 1.3839	+++++ 1.3010	+++++ 1.2390	1.2874	1.7579	Ave		1.3938				15.0		30.0			
Carbon disulfide	+++++ 3.3188	+++++ 3.1671	3.2853 3.0449	2.8640	3.3170	Ave		3.1662				5.8		30.0			
Isopropyl alcohol	+++++ 1.0521	+++++ 0.9581	+++++ 0.9067	0.9342	1.0931	Ave		0.9889				8.1		30.0			
3-Chloropropene	+++++ 0.9529	0.7130 0.9184	0.8157 0.9056	0.7955	0.9269	Ave		0.8611				10.0		30.0			
Acetonitrile	+++++ 0.5046	+++++ 0.4757	+++++ 0.4623	0.4254	0.4808	Ave		0.4698				6.2		30.0			
Methylene Chloride	+++++ 0.9162	+++++ 0.8753	0.5943 0.8480	0.8205	0.8977	Ave		0.8253				14.0		30.0			
tert-Butyl alcohol	+++++ 2.0611	+++++ 1.8960	+++++ 1.8468	1.7433	2.0981	Ave		1.9291				7.7		30.0			
Methyl tert-butyl ether	+++++ 3.9933	3.1244 3.7957	1.6582 3.6202	3.2930	3.8456	Ave		3.3329				24.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.6369	1.4955 1.5692	1.5840 1.5196	1.4066	1.6293	Ave		1.5487				5.3		30.0			
Acrylonitrile	+++++ 0.6476	+++++ 0.6167	0.2815 0.6045	0.5419	0.6223	Ave		0.5524				25.0		30.0			
n-Hexane	+++++ 1.5715	1.2940 1.5142	1.5414 1.4327	1.3633	1.5581	Ave		1.4679				7.3		30.0			
1,1-Dichloroethane	1.6827 1.9752	1.8489 1.9098	1.9653 1.8207	1.7438	1.9724	Ave		1.8649				5.9		30.0			
Vinyl acetate	+++++ 2.1238	+++++ 2.0408	+++++ 1.9701	1.7563	2.0402	Ave		1.9863				7.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.4039	1.1574 1.3591	1.3209 1.2567	1.2146	1.4091	Ave		1.3031				7.4		30.0			
Methyl Ethyl Ketone	+++++ 0.5831	+++++ 0.5510	0.6045 0.5032	0.5151	0.5889	Ave		0.5576				7.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1261	+++++ 0.1201	+++++ 0.1116	0.1120	0.1236	Ave		0.1187				5.6		30.0			
Tetrahydrofuran	+++++ 0.1799	+++++ 0.1727	+++++ 0.1599	0.1542	0.1780	Ave		0.1689				6.7		30.0			
Chloroform	+++++ 2.9887	2.7116 2.8775	2.9070 2.7346	2.5775	2.9457	Ave		2.8204				5.3		30.0			
Cyclohexane	+++++ 0.3677	0.3032 0.3534	0.3443 0.3168	0.3299	0.3691	Ave		0.3406				7.4		30.0			
1,1,1-Trichloroethane	+++++ 0.7235	0.6099 0.7028	0.7024 0.6493	0.6292	0.7194	Ave		0.6766				6.8		30.0			
Carbon tetrachloride	0.6139 0.7908	0.6511 0.7634	0.7337 0.7159	0.6803	0.7799	Ave		0.7161				8.9		30.0			
2,2,4-Trimethylpentane	+++++ 1.0048	0.7733 0.9658	0.9058 0.8720	0.8786	0.9920	Ave		0.9132				8.9		30.0			
Benzene	+++++ 0.7787	0.7042 0.7493	0.7961 0.6858	0.6967	0.7771	Ave		0.7411				6.1		30.0			
1,2-Dichloroethane	+++++ 0.3981	0.3284 0.3848	0.3664 0.3690	0.3391	0.3873	Ave		0.3676				7.0		30.0			
n-Heptane	+++++ 0.3103	0.2608 0.2965	0.2792 0.2704	0.2688	0.3038	Ave		0.2843				6.8		30.0			
n-Butanol	+++++ 0.0991	+++++ 0.0901	+++++ 0.0972	0.0816	0.0982	Ave		0.0932				7.9		30.0			
Trichloroethene	0.3547 0.4107	0.3613 0.3932	0.3894 0.3643	0.3620	0.4070	Ave		0.3803				5.9		30.0			
1,2-Dichloropropane	+++++ 0.2391	0.2000 0.2287	0.2206 0.2118	0.2080	0.2353	Ave		0.2205				6.6		30.0			
Methyl methacrylate	+++++ 0.2758	+++++ 0.2658	0.1902 0.2540	0.2276	0.2684	Ave		0.2470				13.0		30.0			
1,4-Dioxane	+++++ 0.1316	+++++ 0.1144	+++++ 0.1080	0.1186	0.1368	Ave		0.1219				9.8		30.0			
Dibromomethane	+++++ 0.4581	0.3965 0.4326	0.4416 0.3949	0.4105	0.4554	Ave		0.4271				6.2		30.0			
Bromodichloromethane	+++++ 0.6786	0.4998 0.6491	0.5790 0.6097	0.5733	0.6554	Ave		0.6064				10.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4533	0.2725 0.4369	0.3344 0.4179	0.3679	0.4282	Ave		0.3873				17.0		30.0			
methyl isobutyl ketone	+++++ 0.4086	0.2376 0.3849	0.2963 0.3680	0.3381	0.4012	Ave		0.3478				18.0		30.0			
n-Octane	+++++ 0.4003	0.2883 0.3748	0.3708 0.3322	0.3693	0.4039	Ave		0.3628				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6821	0.6506 0.6332	0.7231 0.5633	0.6455	0.6786	Ave		0.6538				7.6		30.0			
trans-1,3-Dichloropropene	+++++ 0.5024	0.2947 0.4781	0.3569 0.4683	0.4023	0.4751	Ave		0.4254				18.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3259	0.2529 0.3077	0.2995 0.2854	0.2861	0.3176	Ave		0.2964				8.2		30.0			
Tetrachloroethene	0.7920 0.8043	0.7107 0.7517	0.8045 0.6710	0.7319	0.7988	Ave		0.7581				6.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4091	+++++ 0.3938	0.2329 0.3894	0.3214	0.3965	Ave		0.3572				19.0		30.0			
Dibromochloromethane	+++++ 0.8885	0.6111 0.8410	0.7075 0.7812	0.7548	0.8739	Ave		0.7797				13.0		30.0			
1,2-Dibromoethane	+++++ 0.6951	0.5209 0.6601	0.5965 0.6178	0.5896	0.6748	Ave		0.6221				9.6		30.0			
Chlorobenzene	+++++ 1.0500	1.0179 0.9866	1.0602 0.9115	0.9373	1.0422	Ave		1.0008				5.8		30.0			
Ethylbenzene	+++++ 1.6261	1.3137 1.5326	1.5311 1.3970	1.4466	1.6153	Ave		1.4946				7.7		30.0			
n-Nonane	+++++ 0.5378	0.4015 0.5077	0.5064 0.4566	0.4886	0.5421	Ave		0.4915				10.0		30.0			
m,p-Xylene	+++++ 0.6266	0.5340 0.5827	0.6358 0.5275	0.5793	0.6315	Ave		0.5882				7.7		30.0			
Xylene, o-	+++++ 0.6382	0.5077 0.5950	0.5602 0.5416	0.5745	0.6461	Ave		0.5805				8.6		30.0			
Styrene	+++++ 0.9731	0.5870 0.9224	0.7597 0.8530	0.8441	0.9741	Ave		0.8448				16.0		30.0			
Bromoform	+++++ 0.8919	0.5369 0.8411	0.6649 0.7660	0.7618	0.8827	Ave		0.7636				17.0		30.0			
Cumene	+++++ 1.9859	1.5060 1.8594	1.8198 1.6629	1.7871	1.9826	Ave		1.8005				9.5		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8322	0.7302 0.7774	0.7998 0.7020	0.7563	0.8514	Ave		0.7785				6.9		30.0			
n-Propylbenzene	+++++ 2.1980	1.6943 2.0296	2.0196 1.7717	1.9786	2.2451	Ave		1.9910				10.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6496	+++++ 0.6103	0.6600 0.5568	0.5812	0.6618	Ave		0.6200				7.1		30.0			
n-Decane	+++++ 0.7229	+++++ 0.6694	0.6407 0.5839	0.6383	0.7418	Ave		0.6662				8.8		30.0			
4-Ethyltoluene	+++++ 2.0442	1.5885 1.8941	1.9315 1.6601	1.8352	2.0833	Ave		1.8624				9.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.6750	1.4841 1.5583	1.6449 1.3976	1.4965	1.7026	Ave		1.5656				7.2		30.0			
1,3,5-Trimethylbenzene	+++++ 1.8416	1.5650 1.7093	1.7970 1.5197	1.6518	1.8635	Ave		1.7068				7.9		30.0			
Alpha Methyl Styrene	+++++ 0.9173	0.4362 0.8590	0.5425 0.7883	0.7448	0.9151	Ave		0.7433				25.0		30.0			
tert-Butylbenzene	+++++ 1.7959	1.6256 1.6547	1.8695 1.4614	1.6792	1.8383	Ave		1.7035				8.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.8234	1.3752 1.6847	1.6759 1.5115	1.6080	1.8398	Ave		1.6455				10.0		30.0			
sec-Butylbenzene	+++++ 2.4663	2.1147 2.2642	2.4574 1.9683	2.2991	2.5196	Ave		2.2985				8.8		30.0			
4-Isopropyltoluene	+++++ 2.2346	1.7060 2.0616	2.1023 1.8121	2.0420	2.2735	Ave		2.0332				10.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2482	0.9539 1.1704	1.0523 1.0654	1.0279	1.2481	Ave		1.1095				10.0		30.0			
1,4-Dichlorobenzene	+++++ 1.2249	0.8651 1.1573	0.9451 1.0617	0.9710	1.2075	Ave		1.0618				13.0		30.0			
Benzyl chloride	+++++ 1.1914	0.4315 1.1747	0.4808 1.1702	0.7945	1.0978	Ave		0.9058				37.0	*	30.0			
n-Undecane	+++++ 0.7434	+++++ 0.6743	+++++ 0.5804	0.6006	0.7659	Ave		0.6729				12.0		30.0			
n-Butylbenzene	+++++ 1.6199	1.1640 1.5022	1.4013 1.3354	1.4095	1.6495	Ave		1.4403				12.0		30.0			
1,2-Dichlorobenzene	+++++ 1.2186	0.9727 1.1329	1.0090 1.0366	1.0144	1.2132	Ave		1.0853				9.4		30.0			
n-Dodecane	+++++ 0.5950	+++++ 0.5250	+++++ 0.5037	0.3032	0.5640	Ave		0.4982				23.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7080	+++++ 0.6290	0.3613 0.6751	0.3752	0.6525	Ave		0.5669				28.0		30.0			
Hexachlorobutadiene	+++++ 0.9320	0.8408 0.8418	0.9076 0.7408	0.8045	0.9536	Ave		0.8601				8.8		30.0			
Naphthalene	+++++ 1.4346	+++++ 1.1163	0.5210 1.3723	0.5605	1.3296	Ave		1.0557				39.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.6588	0.4727 0.5675	0.3635 0.6210	0.3656	0.6329	Ave		0.5260				24.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 213568	+++++ 289638	7945 560656	68655	140010	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 1498852	+++++ 2036941	49981 3865186	485352	999456	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 576407	+++++ 796162	19415 1544006	180454	381162	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1384998	18222 1884732	47401 3519414	449033	928242	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 255025	+++++ 355046	8328 692163	81439	167606	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 426076	+++++ 612083	14555 1130276	132351	285413	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	785 345433	4172 504923	10843 924618	106280	229012	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 221609	2746 339558	4226 621026	70353	149610	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 370868	4680 531610	12473 993761	115181	241442	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 192683	+++++ 261212	2763 527430	63675	134403	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 344527	4668 455537	11603 934027	110550	233611	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 529735	6379 702612	15879 1387891	165241	346182	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1617376	20318 2200642	52854 4221765	514440	1067747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 548423	+++++ 747926	17326 1427199	170593	358200	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 164496	+++++ 306624	34548 713715	62334	115578	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 304114	2907 404196	8848 781053	93118	192282	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 136437	+++++ 178554	+++++ 343495	41599	88241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1035821	13252 1397265	34973 2630721	336259	694880	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 484212	5839 659534	15370 1264367	152129	317945	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 516939	+++++ 699772	+++++ 1326389	176381	436259	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1239670	+++++ 1703476	40275 3259822	392390	823193	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 392981	+++++ 515348	+++++ 970703	127995	271288	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 355925	3587 493946	10000 969536	108983	230038	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 188475	+++++ 255856	+++++ 494906	58288	119328	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 342226	+++++ 470784	7285 907794	112408	222792	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 769883	+++++ 1019788	+++++ 1977171	238846	520688	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1491587	15719 2041570	20328 3875641	451169	954394	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 611440	7524 844028	19418 1626841	192709	404364	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 241893	+++++ 331675	3451 647138	74241	154438	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 586998	6510 814414	18896 1533795	186775	386694	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1839 737782	9302 1027200	24093 1949133	238918	489508	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 793302	+++++ 1097665	+++++ 2109173	240625	506331	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 524392	5823 731013	16193 1345344	166414	349712	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 217816	+++++ 296370	7410 538711	70567	146155	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 47096	+++++ 64609	+++++ 119476	15342	30677	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 329205	+++++ 451139	+++++ 852155	101249	214828	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1116352	13642 1547678	35637 2927600	353138	731043	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 673028	7515 923175	20413 1688008	216636	445466	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1324300	15118 1835675	41648 3459556	413102	868137	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	3273 1447512	16139 1993842	43501 3814449	446706	941186	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 1839233	19168 2522729	53707 4646331	576881	1197101	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1425296	17456 1957216	47199 3654247	457446	937791	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 728704	8141 1005157	21725 1966384	222650	467406	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 568000	6465 774565	16555 1440616	176521	366662	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 181355	+++++ 235433	+++++ 517699	53587	118539	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1891 751793	8957 1026975	23087 1941309	237693	491220	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 437616	4958 597332	13080 1128560	136596	284011	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 504843	+++++ 694248	11279 1353223	149417	323850	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 240826	+++++ 298849	+++++ 575243	77888	165035	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 838472	9828 1129943	26185 2104377	269564	549573	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1242171	12388 1695508	34332 3248918	376429	790894	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 829761	6754 1141045	19828 2226486	241583	516718	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 747823	5889 1005345	17569 1960750	222015	484157	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 732734	7146 978872	21985 1769899	242475	487448	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1121753	13704 1485517	37247 2730529	374209	734178	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 919654	7304 1248842	21161 2495427	264182	573361	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 536001	5327 721781	15426 1383319	165867	343630	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	3547 1322635	14970 1763608	41440 3252617	424268	864187	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 672845	+++++ 923848	11998 1887589	186308	428991	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 1461120	12873 1972982	36443 3787104	437541	945498	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1143093	10973 1548606	30725 2994648	341782	730003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 1726735	21441 2314513	54606 4418570	543348	1127504	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 2674126	27672 3595593	78861 6771998	838534	1747508	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 884417	8458 1191189	26081 2213408	283218	586515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2060996	22497 2733985	65501 5114351	671615	1366350	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1049575	10695 1395981	28855 2625249	333005	699008	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1600269	12364 2163997	39130 4134957	489313	1053878	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 1466678	11309 1973332	34246 3713054	441577	954966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 3265858	31723 4362179	93735 8060942	1035939	2144883	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1368578	15382 1823711	41194 3402773	438385	921128	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 3614694	35689 4761465	104027 8588250	1146976	2428875	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1068251	+++++ 1431836	33997 2699054	336924	716032	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1188859	+++++ 1570417	33003 2830746	370035	802571	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 3361751	33462 4443607	99489 8047332	1063848	2253825	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 2754570	31263 3655890	84726 6775236	867515	1842004	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3028455	32967 4010127	92557 7366666	957486	2016034	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1508516	9188 2015326	27942 3821590	431720	989971	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 2953424	34243 3882088	96292 7084357	973406	1988792	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 2998517	28967 3952293	86321 7327196	932117	1990462	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 4055790	44546 5312031	126577 9541306	1332745	2725866	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 3674867	35937 4836510	108282 8784165	1183705	2459661	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2052740	20094 2745844	54201 5164611	595827	1350281	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2014386	18222 2715131	48678 5146856	562877	1306309	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1959220	9089 2755877	24766 5672825	460575	1187690	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1222569	+++++ 1581850	+++++ 2813425	348175	828564	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 2663939	24520 3524244	72178 6473695	817045	1784515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2004035	20489 2657751	51971 5024963	588045	1312502	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 978405	+++++ 1231634	+++++ 2441545	175760	610188	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1164315	+++++ 1475667	18612 3272796	217472	705913	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1532640	17711 1974819	46747 3591316	466367	1031628	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 2359180	+++++ 2618860	26834 6652457	324882	1438505	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1083365	9957 1331446	18721 3010175	211935	684727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5718	+++++ 0.5385	0.6481 0.5237	0.5011	0.5642	Ave		0.5579				9.2		30.0			
Dichlorodifluoromethane	+++++ 4.0127	+++++ 3.7871	4.0771 3.6104	3.5425	4.0272	Ave		3.8428				6.0		30.0			
Freon 22	+++++ 1.5431	+++++ 1.4802	1.5837 1.4422	1.3171	1.5358	Ave		1.4837				6.4		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.7079	3.6219 3.5041	3.8666 3.2874	3.2774	3.7402	Ave		3.5722				6.3		30.0			
Chloromethane	+++++ 0.6827	+++++ 0.6601	0.6793 0.6465	0.5944	0.6753	Ave		0.6564				5.1		30.0			
n-Butane	+++++ 1.1407	+++++ 1.1380	1.1873 1.0558	0.9660	1.1500	Ave		1.1063				7.3		30.0			
Vinyl chloride	0.7183 0.9248	0.8293 0.9388	0.8845 0.8637	0.7757	0.9228	Ave		0.8572				9.1		30.0			
1,3-Butadiene	+++++ 0.5933	0.5458 0.6313	0.3447 0.5801	0.5135	0.6028	Ave		0.5445				18.0		30.0			
Bromomethane	+++++ 0.9929	0.9302 0.9884	1.0175 0.9283	0.8407	0.9729	Ave		0.9530				6.2		30.0			
Chloroethane	+++++ 0.5158	+++++ 0.4856	0.2254 0.4927	0.4648	0.5416	Ave		0.4543				25.0		30.0			
Isopentane	+++++ 0.9224	0.9278 0.8469	0.9465 0.8725	0.8069	0.9413	Ave		0.8949				6.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.4182	1.2679 1.3063	1.2953 1.2964	1.2061	1.3949	Ave		1.3122				5.6		30.0			
Trichlorofluoromethane	+++++ 4.3300	4.0385 4.0915	4.3114 3.9435	3.7548	4.3024	Ave		4.1103				5.3		30.0			
n-Pentane	+++++ 1.4682	+++++ 1.3906	1.4133 1.3331	1.2451	1.4433	Ave		1.3823				5.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.3296	+++++ 0.2850	0.2815 0.2667	0.2273	0.3103	Ave		0.2834				13.0		30.0			
Ethyl ether	+++++ 0.8142	0.5778 0.7515	0.7218 0.7296	0.6797	0.7748	Ave		0.7213				11.0		30.0			
Acrolein	+++++ 0.3653	+++++ 0.3320	+++++ 0.3209	0.3036	0.3556	Ave		0.3355				7.5		30.0			
Freon TF	+++++ 2.7731	2.6341 2.5978	2.8528 2.4573	2.4543	2.7999	Ave		2.6528				6.1		30.0			
1,1-Dichloroethene	+++++ 1.2963	1.1606 1.2262	1.2538 1.1810	1.1104	1.2811	Ave		1.2156				5.6		30.0			
Acetone	+++++ 1.3839	+++++ 1.3010	+++++ 1.2390	1.2874	1.7579	Ave		1.3938				15.0		30.0			
Carbon disulfide	+++++ 3.3188	+++++ 3.1671	3.2853 3.0449	2.8640	3.3170	Ave		3.1662				5.8		30.0			
Isopropyl alcohol	+++++ 1.0521	+++++ 0.9581	+++++ 0.9067	0.9342	1.0931	Ave		0.9889				8.1		30.0			
3-Chloropropene	+++++ 0.9529	0.7130 0.9184	0.8157 0.9056	0.7955	0.9269	Ave		0.8611				10.0		30.0			
Acetonitrile	+++++ 0.5046	+++++ 0.4757	+++++ 0.4623	0.4254	0.4808	Ave		0.4698				6.2		30.0			
Methylene Chloride	+++++ 0.9162	+++++ 0.8753	0.5943 0.8480	0.8205	0.8977	Ave		0.8253				14.0		30.0			
tert-Butyl alcohol	+++++ 2.0611	+++++ 1.8960	+++++ 1.8468	1.7433	2.0981	Ave		1.9291				7.7		30.0			
Methyl tert-butyl ether	+++++ 3.9933	3.1244 3.7957	1.6582 3.6202	3.2930	3.8456	Ave		3.3329				24.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.6369	1.4955 1.5692	1.5840 1.5196	1.4066	1.6293	Ave		1.5487				5.3		30.0			
Acrylonitrile	+++++ 0.6476	+++++ 0.6167	0.2815 0.6045	0.5419	0.6223	Ave		0.5524				25.0		30.0			
n-Hexane	+++++ 1.5715	1.2940 1.5142	1.5414 1.4327	1.3633	1.5581	Ave		1.4679				7.3		30.0			
1,1-Dichloroethane	1.6827 1.9752	1.8489 1.9098	1.9653 1.8207	1.7438	1.9724	Ave		1.8649				5.9		30.0			
Vinyl acetate	+++++ 2.1238	+++++ 2.0408	+++++ 1.9701	1.7563	2.0402	Ave		1.9863				7.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.4039	1.1574 1.3591	1.3209 1.2567	1.2146	1.4091	Ave		1.3031				7.4		30.0			
Methyl Ethyl Ketone	+++++ 0.5831	+++++ 0.5510	0.6045 0.5032	0.5151	0.5889	Ave		0.5576				7.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1261	+++++ 0.1201	+++++ 0.1116	0.1120	0.1236	Ave		0.1187				5.6		30.0			
Tetrahydrofuran	+++++ 0.1799	+++++ 0.1727	+++++ 0.1599	0.1542	0.1780	Ave		0.1689				6.7		30.0			
Chloroform	+++++ 2.9887	2.7116 2.8775	2.9070 2.7346	2.5775	2.9457	Ave		2.8204				5.3		30.0			
Cyclohexane	+++++ 0.3677	0.3032 0.3534	0.3443 0.3168	0.3299	0.3691	Ave		0.3406				7.4		30.0			
1,1,1-Trichloroethane	+++++ 0.7235	0.6099 0.7028	0.7024 0.6493	0.6292	0.7194	Ave		0.6766				6.8		30.0			
Carbon tetrachloride	0.6139 0.7908	0.6511 0.7634	0.7337 0.7159	0.6803	0.7799	Ave		0.7161				8.9		30.0			
2,2,4-Trimethylpentane	+++++ 1.0048	0.7733 0.9658	0.9058 0.8720	0.8786	0.9920	Ave		0.9132				8.9		30.0			
Benzene	+++++ 0.7787	0.7042 0.7493	0.7961 0.6858	0.6967	0.7771	Ave		0.7411				6.1		30.0			
1,2-Dichloroethane	+++++ 0.3981	0.3284 0.3848	0.3664 0.3690	0.3391	0.3873	Ave		0.3676				7.0		30.0			
n-Heptane	+++++ 0.3103	0.2608 0.2965	0.2792 0.2704	0.2688	0.3038	Ave		0.2843				6.8		30.0			
n-Butanol	+++++ 0.0991	+++++ 0.0901	+++++ 0.0972	0.0816	0.0982	Ave		0.0932				7.9		30.0			
Trichloroethene	0.3547 0.4107	0.3613 0.3932	0.3894 0.3643	0.3620	0.4070	Ave		0.3803				5.9		30.0			
1,2-Dichloropropane	+++++ 0.2391	0.2000 0.2287	0.2206 0.2118	0.2080	0.2353	Ave		0.2205				6.6		30.0			
Methyl methacrylate	+++++ 0.2758	+++++ 0.2658	0.1902 0.2540	0.2276	0.2684	Ave		0.2470				13.0		30.0			
1,4-Dioxane	+++++ 0.1316	+++++ 0.1144	+++++ 0.1080	0.1186	0.1368	Ave		0.1219				9.8		30.0			
Dibromomethane	+++++ 0.4581	0.3965 0.4326	0.4416 0.3949	0.4105	0.4554	Ave		0.4271				6.2		30.0			
Bromodichloromethane	+++++ 0.6786	0.4998 0.6491	0.5790 0.6097	0.5733	0.6554	Ave		0.6064				10.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4533	0.2725 0.4369	0.3344 0.4179	0.3679	0.4282	Ave		0.3873				17.0		30.0			
methyl isobutyl ketone	+++++ 0.4086	0.2376 0.3849	0.2963 0.3680	0.3381	0.4012	Ave		0.3478				18.0		30.0			
n-Octane	+++++ 0.4003	0.2883 0.3748	0.3708 0.3322	0.3693	0.4039	Ave		0.3628				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6821	0.6506 0.6332	0.7231 0.5633	0.6455	0.6786	Ave		0.6538				7.6		30.0			
trans-1,3-Dichloropropene	+++++ 0.5024	0.2947 0.4781	0.3569 0.4683	0.4023	0.4751	Ave		0.4254				18.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3259	0.2529 0.3077	0.2995 0.2854	0.2861	0.3176	Ave		0.2964				8.2		30.0			
Tetrachloroethene	0.7920 0.8043	0.7107 0.7517	0.8045 0.6710	0.7319	0.7988	Ave		0.7581				6.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4091	+++++ 0.3938	0.2329 0.3894	0.3214	0.3965	Ave		0.3572				19.0		30.0			
Dibromochloromethane	+++++ 0.8885	0.6111 0.8410	0.7075 0.7812	0.7548	0.8739	Ave		0.7797				13.0		30.0			
1,2-Dibromoethane	+++++ 0.6951	0.5209 0.6601	0.5965 0.6178	0.5896	0.6748	Ave		0.6221				9.6		30.0			
Chlorobenzene	+++++ 1.0500	1.0179 0.9866	1.0602 0.9115	0.9373	1.0422	Ave		1.0008				5.8		30.0			
Ethylbenzene	+++++ 1.6261	1.3137 1.5326	1.5311 1.3970	1.4466	1.6153	Ave		1.4946				7.7		30.0			
n-Nonane	+++++ 0.5378	0.4015 0.5077	0.5064 0.4566	0.4886	0.5421	Ave		0.4915				10.0		30.0			
m,p-Xylene	+++++ 0.6266	0.5340 0.5827	0.6358 0.5275	0.5793	0.6315	Ave		0.5882				7.7		30.0			
Xylene, o-	+++++ 0.6382	0.5077 0.5950	0.5602 0.5416	0.5745	0.6461	Ave		0.5805				8.6		30.0			
Styrene	+++++ 0.9731	0.5870 0.9224	0.7597 0.8530	0.8441	0.9741	Ave		0.8448				16.0		30.0			
Bromoform	+++++ 0.8919	0.5369 0.8411	0.6649 0.7660	0.7618	0.8827	Ave		0.7636				17.0		30.0			
Cumene	+++++ 1.9859	1.5060 1.8594	1.8198 1.6629	1.7871	1.9826	Ave		1.8005				9.5		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8322	0.7302 0.7774	0.7998 0.7020	0.7563	0.8514	Ave		0.7785				6.9		30.0			
n-Propylbenzene	+++++ 2.1980	1.6943 2.0296	2.0196 1.7717	1.9786	2.2451	Ave		1.9910				10.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6496	+++++ 0.6103	0.6600 0.5568	0.5812	0.6618	Ave		0.6200				7.1		30.0			
n-Decane	+++++ 0.7229	+++++ 0.6694	0.6407 0.5839	0.6383	0.7418	Ave		0.6662				8.8		30.0			
4-Ethyltoluene	+++++ 2.0442	1.5885 1.8941	1.9315 1.6601	1.8352	2.0833	Ave		1.8624				9.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.6750	1.4841 1.5583	1.6449 1.3976	1.4965	1.7026	Ave		1.5656				7.2		30.0			
1,3,5-Trimethylbenzene	+++++ 1.8416	1.5650 1.7093	1.7970 1.5197	1.6518	1.8635	Ave		1.7068				7.9		30.0			
Alpha Methyl Styrene	+++++ 0.9173	0.4362 0.8590	0.5425 0.7883	0.7448	0.9151	Ave		0.7433				25.0		30.0			
tert-Butylbenzene	+++++ 1.7959	1.6256 1.6547	1.8695 1.4614	1.6792	1.8383	Ave		1.7035				8.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.8234	1.3752 1.6847	1.6759 1.5115	1.6080	1.8398	Ave		1.6455				10.0		30.0			
sec-Butylbenzene	+++++ 2.4663	2.1147 2.2642	2.4574 1.9683	2.2991	2.5196	Ave		2.2985				8.8		30.0			
4-Isopropyltoluene	+++++ 2.2346	1.7060 2.0616	2.1023 1.8121	2.0420	2.2735	Ave		2.0332				10.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2482	0.9539 1.1704	1.0523 1.0654	1.0279	1.2481	Ave		1.1095				10.0		30.0			
1,4-Dichlorobenzene	+++++ 1.2249	0.8651 1.1573	0.9451 1.0617	0.9710	1.2075	Ave		1.0618				13.0		30.0			
Benzyl chloride	+++++ 1.1914	0.4315 1.1747	0.4808 1.1702	0.7945	1.0978	Ave		0.9058				37.0	*	30.0			
n-Undecane	+++++ 0.7434	+++++ 0.6743	+++++ 0.5804	0.6006	0.7659	Ave		0.6729				12.0		30.0			
n-Butylbenzene	+++++ 1.6199	1.1640 1.5022	1.4013 1.3354	1.4095	1.6495	Ave		1.4403				12.0		30.0			
1,2-Dichlorobenzene	+++++ 1.2186	0.9727 1.1329	1.0090 1.0366	1.0144	1.2132	Ave		1.0853				9.4		30.0			
n-Dodecane	+++++ 0.5950	+++++ 0.5250	+++++ 0.5037	0.3032	0.5640	Ave		0.4982				23.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7080	+++++ 0.6290	0.3613 0.6751	0.3752	0.6525	Ave		0.5669				28.0		30.0			
Hexachlorobutadiene	+++++ 0.9320	0.8408 0.8418	0.9076 0.7408	0.8045	0.9536	Ave		0.8601				8.8		30.0			
Naphthalene	+++++ 1.4346	+++++ 1.1163	0.5210 1.3723	0.5605	1.3296	Ave		1.0557				39.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.6588	0.4727 0.5675	0.3635 0.6210	0.3656	0.6329	Ave		0.5260				24.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 213568	+++++ 289638	7945 560656	68655	140010	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 1498852	+++++ 2036941	49981 3865186	485352	999456	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 576407	+++++ 796162	19415 1544006	180454	381162	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1384998	18222 1884732	47401 3519414	449033	928242	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 255025	+++++ 355046	8328 692163	81439	167606	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 426076	+++++ 612083	14555 1130276	132351	285413	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	785 345433	4172 504923	10843 924618	106280	229012	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 221609	2746 339558	4226 621026	70353	149610	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 370868	4680 531610	12473 993761	115181	241442	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 192683	+++++ 261212	2763 527430	63675	134403	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 344527	4668 455537	11603 934027	110550	233611	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 529735	6379 702612	15879 1387891	165241	346182	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1617376	20318 2200642	52854 4221765	514440	1067747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 548423	+++++ 747926	17326 1427199	170593	358200	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 164496	+++++ 306624	34548 713715	62334	115578	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 304114	2907 404196	8848 781053	93118	192282	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 136437	+++++ 178554	+++++ 343495	41599	88241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1035821	13252 1397265	34973 2630721	336259	694880	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 484212	5839 659534	15370 1264367	152129	317945	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 516939	+++++ 699772	+++++ 1326389	176381	436259	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1239670	+++++ 1703476	40275 3259822	392390	823193	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 392981	+++++ 515348	+++++ 970703	127995	271288	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 355925	3587 493946	10000 969536	108983	230038	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 188475	+++++ 255856	+++++ 494906	58288	119328	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 342226	+++++ 470784	7285 907794	112408	222792	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 769883	+++++ 1019788	+++++ 1977171	238846	520688	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1491587	15719 2041570	20328 3875641	451169	954394	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 611440	7524 844028	19418 1626841	192709	404364	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 241893	+++++ 331675	3451 647138	74241	154438	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 586998	6510 814414	18896 1533795	186775	386694	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1839 737782	9302 1027200	24093 1949133	238918	489508	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 793302	+++++ 1097665	+++++ 2109173	240625	506331	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 524392	5823 731013	16193 1345344	166414	349712	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 217816	+++++ 296370	7410 538711	70567	146155	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 47096	+++++ 64609	+++++ 119476	15342	30677	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 329205	+++++ 451139	+++++ 852155	101249	214828	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1116352	13642 1547678	35637 2927600	353138	731043	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 673028	7515 923175	20413 1688008	216636	445466	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1324300	15118 1835675	41648 3459556	413102	868137	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	3273 1447512	16139 1993842	43501 3814449	446706	941186	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 1839233	19168 2522729	53707 4646331	576881	1197101	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1425296	17456 1957216	47199 3654247	457446	937791	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 728704	8141 1005157	21725 1966384	222650	467406	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 568000	6465 774565	16555 1440616	176521	366662	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 181355	+++++ 235433	+++++ 517699	53587	118539	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1891 751793	8957 1026975	23087 1941309	237693	491220	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 437616	4958 597332	13080 1128560	136596	284011	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 504843	+++++ 694248	11279 1353223	149417	323850	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 240826	+++++ 298849	+++++ 575243	77888	165035	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 838472	9828 1129943	26185 2104377	269564	549573	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1242171	12388 1695508	34332 3248918	376429	790894	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 829761	6754 1141045	19828 2226486	241583	516718	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 747823	5889 1005345	17569 1960750	222015	484157	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 732734	7146 978872	21985 1769899	242475	487448	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1121753	13704 1485517	37247 2730529	374209	734178	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 919654	7304 1248842	21161 2495427	264182	573361	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 536001	5327 721781	15426 1383319	165867	343630	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	3547 1322635	14970 1763608	41440 3252617	424268	864187	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 672845	+++++ 923848	11998 1887589	186308	428991	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 1461120	12873 1972982	36443 3787104	437541	945498	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1143093	10973 1548606	30725 2994648	341782	730003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 1726735	21441 2314513	54606 4418570	543348	1127504	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 2674126	27672 3595593	78861 6771998	838534	1747508	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 884417	8458 1191189	26081 2213408	283218	586515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2060996	22497 2733985	65501 5114351	671615	1366350	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1049575	10695 1395981	28855 2625249	333005	699008	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1600269	12364 2163997	39130 4134957	489313	1053878	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 1466678	11309 1973332	34246 3713054	441577	954966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 3265858	31723 4362179	93735 8060942	1035939	2144883	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1368578	15382 1823711	41194 3402773	438385	921128	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 3614694	35689 4761465	104027 8588250	1146976	2428875	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1068251	+++++ 1431836	33997 2699054	336924	716032	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1188859	+++++ 1570417	33003 2830746	370035	802571	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 3361751	33462 4443607	99489 8047332	1063848	2253825	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 2754570	31263 3655890	84726 6775236	867515	1842004	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3028455	32967 4010127	92557 7366666	957486	2016034	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1508516	9188 2015326	27942 3821590	431720	989971	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 2953424	34243 3882088	96292 7084357	973406	1988792	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 2998517	28967 3952293	86321 7327196	932117	1990462	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 4055790	44546 5312031	126577 9541306	1332745	2725866	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 3674867	35937 4836510	108282 8784165	1183705	2459661	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2052740	20094 2745844	54201 5164611	595827	1350281	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2014386	18222 2715131	48678 5146856	562877	1306309	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1959220	9089 2755877	24766 5672825	460575	1187690	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1222569	+++++ 1581850	+++++ 2813425	348175	828564	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 2663939	24520 3524244	72178 6473695	817045	1784515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2004035	20489 2657751	51971 5024963	588045	1312502	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 978405	+++++ 1231634	+++++ 2441545	175760	610188	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1164315	+++++ 1475667	18612 3272796	217472	705913	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1532640	17711 1974819	46747 3591316	466367	1031628	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 2359180	+++++ 2618860	26834 6652457	324882	1438505	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1083365	9957 1331446	18721 3010175	211935	684727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5718	+++++ 0.5385	0.6481 0.5237	0.5011	0.5642	Ave		0.5579				9.2		30.0			
Dichlorodifluoromethane	+++++ 4.0127	+++++ 3.7871	4.0771 3.6104	3.5425	4.0272	Ave		3.8428				6.0		30.0			
Freon 22	+++++ 1.5431	+++++ 1.4802	1.5837 1.4422	1.3171	1.5358	Ave		1.4837				6.4		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.7079	3.6219 3.5041	3.8666 3.2874	3.2774	3.7402	Ave		3.5722				6.3		30.0			
Chloromethane	+++++ 0.6827	+++++ 0.6601	0.6793 0.6465	0.5944	0.6753	Ave		0.6564				5.1		30.0			
n-Butane	+++++ 1.1407	+++++ 1.1380	1.1873 1.0558	0.9660	1.1500	Ave		1.1063				7.3		30.0			
Vinyl chloride	0.7183 0.9248	0.8293 0.9388	0.8845 0.8637	0.7757	0.9228	Ave		0.8572				9.1		30.0			
1,3-Butadiene	+++++ 0.5933	0.5458 0.6313	0.3447 0.5801	0.5135	0.6028	Ave		0.5445				18.0		30.0			
Bromomethane	+++++ 0.9929	0.9302 0.9884	1.0175 0.9283	0.8407	0.9729	Ave		0.9530				6.2		30.0			
Chloroethane	+++++ 0.5158	+++++ 0.4856	0.2254 0.4927	0.4648	0.5416	Ave		0.4543				25.0		30.0			
Isopentane	+++++ 0.9224	0.9278 0.8469	0.9465 0.8725	0.8069	0.9413	Ave		0.8949				6.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.4182	1.2679 1.3063	1.2953 1.2964	1.2061	1.3949	Ave		1.3122				5.6		30.0			
Trichlorofluoromethane	+++++ 4.3300	4.0385 4.0915	4.3114 3.9435	3.7548	4.3024	Ave		4.1103				5.3		30.0			
n-Pentane	+++++ 1.4682	+++++ 1.3906	1.4133 1.3331	1.2451	1.4433	Ave		1.3823				5.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.3296	+++++ 0.2850	0.2815 0.2667	0.2273	0.3103	Ave		0.2834				13.0		30.0			
Ethyl ether	+++++ 0.8142	0.5778 0.7515	0.7218 0.7296	0.6797	0.7748	Ave		0.7213				11.0		30.0			
Acrolein	+++++ 0.3653	+++++ 0.3320	+++++ 0.3209	0.3036	0.3556	Ave		0.3355				7.5		30.0			
Freon TF	+++++ 2.7731	2.6341 2.5978	2.8528 2.4573	2.4543	2.7999	Ave		2.6528				6.1		30.0			
1,1-Dichloroethene	+++++ 1.2963	1.1606 1.2262	1.2538 1.1810	1.1104	1.2811	Ave		1.2156				5.6		30.0			
Acetone	+++++ 1.3839	+++++ 1.3010	+++++ 1.2390	1.2874	1.7579	Ave		1.3938				15.0		30.0			
Carbon disulfide	+++++ 3.3188	+++++ 3.1671	3.2853 3.0449	2.8640	3.3170	Ave		3.1662				5.8		30.0			
Isopropyl alcohol	+++++ 1.0521	+++++ 0.9581	+++++ 0.9067	0.9342	1.0931	Ave		0.9889				8.1		30.0			
3-Chloropropene	+++++ 0.9529	0.7130 0.9184	0.8157 0.9056	0.7955	0.9269	Ave		0.8611				10.0		30.0			
Acetonitrile	+++++ 0.5046	+++++ 0.4757	+++++ 0.4623	0.4254	0.4808	Ave		0.4698				6.2		30.0			
Methylene Chloride	+++++ 0.9162	+++++ 0.8753	0.5943 0.8480	0.8205	0.8977	Ave		0.8253				14.0		30.0			
tert-Butyl alcohol	+++++ 2.0611	+++++ 1.8960	+++++ 1.8468	1.7433	2.0981	Ave		1.9291				7.7		30.0			
Methyl tert-butyl ether	+++++ 3.9933	3.1244 3.7957	1.6582 3.6202	3.2930	3.8456	Ave		3.3329				24.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.6369	1.4955 1.5692	1.5840 1.5196	1.4066	1.6293	Ave		1.5487				5.3		30.0			
Acrylonitrile	+++++ 0.6476	+++++ 0.6167	0.2815 0.6045	0.5419	0.6223	Ave		0.5524				25.0		30.0			
n-Hexane	+++++ 1.5715	1.2940 1.5142	1.5414 1.4327	1.3633	1.5581	Ave		1.4679				7.3		30.0			
1,1-Dichloroethane	1.6827 1.9752	1.8489 1.9098	1.9653 1.8207	1.7438	1.9724	Ave		1.8649				5.9		30.0			
Vinyl acetate	+++++ 2.1238	+++++ 2.0408	+++++ 1.9701	1.7563	2.0402	Ave		1.9863				7.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.4039	1.1574 1.3591	1.3209 1.2567	1.2146	1.4091	Ave		1.3031				7.4		30.0			
Methyl Ethyl Ketone	+++++ 0.5831	+++++ 0.5510	0.6045 0.5032	0.5151	0.5889	Ave		0.5576				7.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1261	+++++ 0.1201	+++++ 0.1116	0.1120	0.1236	Ave		0.1187				5.6		30.0			
Tetrahydrofuran	+++++ 0.1799	+++++ 0.1727	+++++ 0.1599	0.1542	0.1780	Ave		0.1689				6.7		30.0			
Chloroform	+++++ 2.9887	2.7116 2.8775	2.9070 2.7346	2.5775	2.9457	Ave		2.8204				5.3		30.0			
Cyclohexane	+++++ 0.3677	0.3032 0.3534	0.3443 0.3168	0.3299	0.3691	Ave		0.3406				7.4		30.0			
1,1,1-Trichloroethane	+++++ 0.7235	0.6099 0.7028	0.7024 0.6493	0.6292	0.7194	Ave		0.6766				6.8		30.0			
Carbon tetrachloride	0.6139 0.7908	0.6511 0.7634	0.7337 0.7159	0.6803	0.7799	Ave		0.7161				8.9		30.0			
2,2,4-Trimethylpentane	+++++ 1.0048	0.7733 0.9658	0.9058 0.8720	0.8786	0.9920	Ave		0.9132				8.9		30.0			
Benzene	+++++ 0.7787	0.7042 0.7493	0.7961 0.6858	0.6967	0.7771	Ave		0.7411				6.1		30.0			
1,2-Dichloroethane	+++++ 0.3981	0.3284 0.3848	0.3664 0.3690	0.3391	0.3873	Ave		0.3676				7.0		30.0			
n-Heptane	+++++ 0.3103	0.2608 0.2965	0.2792 0.2704	0.2688	0.3038	Ave		0.2843				6.8		30.0			
n-Butanol	+++++ 0.0991	+++++ 0.0901	+++++ 0.0972	0.0816	0.0982	Ave		0.0932				7.9		30.0			
Trichloroethene	0.3547 0.4107	0.3613 0.3932	0.3894 0.3643	0.3620	0.4070	Ave		0.3803				5.9		30.0			
1,2-Dichloropropane	+++++ 0.2391	0.2000 0.2287	0.2206 0.2118	0.2080	0.2353	Ave		0.2205				6.6		30.0			
Methyl methacrylate	+++++ 0.2758	+++++ 0.2658	0.1902 0.2540	0.2276	0.2684	Ave		0.2470				13.0		30.0			
1,4-Dioxane	+++++ 0.1316	+++++ 0.1144	+++++ 0.1080	0.1186	0.1368	Ave		0.1219				9.8		30.0			
Dibromomethane	+++++ 0.4581	0.3965 0.4326	0.4416 0.3949	0.4105	0.4554	Ave		0.4271				6.2		30.0			
Bromodichloromethane	+++++ 0.6786	0.4998 0.6491	0.5790 0.6097	0.5733	0.6554	Ave		0.6064				10.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4533	0.2725 0.4369	0.3344 0.4179	0.3679	0.4282	Ave		0.3873				17.0		30.0			
methyl isobutyl ketone	+++++ 0.4086	0.2376 0.3849	0.2963 0.3680	0.3381	0.4012	Ave		0.3478				18.0		30.0			
n-Octane	+++++ 0.4003	0.2883 0.3748	0.3708 0.3322	0.3693	0.4039	Ave		0.3628				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6821	0.6506 0.6332	0.7231 0.5633	0.6455	0.6786	Ave		0.6538				7.6		30.0			
trans-1,3-Dichloropropene	+++++ 0.5024	0.2947 0.4781	0.3569 0.4683	0.4023	0.4751	Ave		0.4254				18.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3259	0.2529 0.3077	0.2995 0.2854	0.2861	0.3176	Ave		0.2964				8.2		30.0			
Tetrachloroethene	0.7920 0.8043	0.7107 0.7517	0.8045 0.6710	0.7319	0.7988	Ave		0.7581				6.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4091	+++++ 0.3938	0.2329 0.3894	0.3214	0.3965	Ave		0.3572				19.0		30.0			
Dibromochloromethane	+++++ 0.8885	0.6111 0.8410	0.7075 0.7812	0.7548	0.8739	Ave		0.7797				13.0		30.0			
1,2-Dibromoethane	+++++ 0.6951	0.5209 0.6601	0.5965 0.6178	0.5896	0.6748	Ave		0.6221				9.6		30.0			
Chlorobenzene	+++++ 1.0500	1.0179 0.9866	1.0602 0.9115	0.9373	1.0422	Ave		1.0008				5.8		30.0			
Ethylbenzene	+++++ 1.6261	1.3137 1.5326	1.5311 1.3970	1.4466	1.6153	Ave		1.4946				7.7		30.0			
n-Nonane	+++++ 0.5378	0.4015 0.5077	0.5064 0.4566	0.4886	0.5421	Ave		0.4915				10.0		30.0			
m,p-Xylene	+++++ 0.6266	0.5340 0.5827	0.6358 0.5275	0.5793	0.6315	Ave		0.5882				7.7		30.0			
Xylene, o-	+++++ 0.6382	0.5077 0.5950	0.5602 0.5416	0.5745	0.6461	Ave		0.5805				8.6		30.0			
Styrene	+++++ 0.9731	0.5870 0.9224	0.7597 0.8530	0.8441	0.9741	Ave		0.8448				16.0		30.0			
Bromoform	+++++ 0.8919	0.5369 0.8411	0.6649 0.7660	0.7618	0.8827	Ave		0.7636				17.0		30.0			
Cumene	+++++ 1.9859	1.5060 1.8594	1.8198 1.6629	1.7871	1.9826	Ave		1.8005				9.5		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8322	0.7302 0.7774	0.7998 0.7020	0.7563	0.8514	Ave		0.7785				6.9		30.0			
n-Propylbenzene	+++++ 2.1980	1.6943 2.0296	2.0196 1.7717	1.9786	2.2451	Ave		1.9910				10.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6496	+++++ 0.6103	0.6600 0.5568	0.5812	0.6618	Ave		0.6200				7.1		30.0			
n-Decane	+++++ 0.7229	+++++ 0.6694	0.6407 0.5839	0.6383	0.7418	Ave		0.6662				8.8		30.0			
4-Ethyltoluene	+++++ 2.0442	1.5885 1.8941	1.9315 1.6601	1.8352	2.0833	Ave		1.8624				9.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.6750	1.4841 1.5583	1.6449 1.3976	1.4965	1.7026	Ave		1.5656				7.2		30.0			
1,3,5-Trimethylbenzene	+++++ 1.8416	1.5650 1.7093	1.7970 1.5197	1.6518	1.8635	Ave		1.7068				7.9		30.0			
Alpha Methyl Styrene	+++++ 0.9173	0.4362 0.8590	0.5425 0.7883	0.7448	0.9151	Ave		0.7433				25.0		30.0			
tert-Butylbenzene	+++++ 1.7959	1.6256 1.6547	1.8695 1.4614	1.6792	1.8383	Ave		1.7035				8.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.8234	1.3752 1.6847	1.6759 1.5115	1.6080	1.8398	Ave		1.6455				10.0		30.0			
sec-Butylbenzene	+++++ 2.4663	2.1147 2.2642	2.4574 1.9683	2.2991	2.5196	Ave		2.2985				8.8		30.0			
4-Isopropyltoluene	+++++ 2.2346	1.7060 2.0616	2.1023 1.8121	2.0420	2.2735	Ave		2.0332				10.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2482	0.9539 1.1704	1.0523 1.0654	1.0279	1.2481	Ave		1.1095				10.0		30.0			
1,4-Dichlorobenzene	+++++ 1.2249	0.8651 1.1573	0.9451 1.0617	0.9710	1.2075	Ave		1.0618				13.0		30.0			
Benzyl chloride	+++++ 1.1914	0.4315 1.1747	0.4808 1.1702	0.7945	1.0978	Ave		0.9058				37.0	*	30.0			
n-Undecane	+++++ 0.7434	+++++ 0.6743	+++++ 0.5804	0.6006	0.7659	Ave		0.6729				12.0		30.0			
n-Butylbenzene	+++++ 1.6199	1.1640 1.5022	1.4013 1.3354	1.4095	1.6495	Ave		1.4403				12.0		30.0			
1,2-Dichlorobenzene	+++++ 1.2186	0.9727 1.1329	1.0090 1.0366	1.0144	1.2132	Ave		1.0853				9.4		30.0			
n-Dodecane	+++++ 0.5950	+++++ 0.5250	+++++ 0.5037	0.3032	0.5640	Ave		0.4982				23.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7080	+++++ 0.6290	0.3613 0.6751	0.3752	0.6525	Ave		0.5669				28.0		30.0			
Hexachlorobutadiene	+++++ 0.9320	0.8408 0.8418	0.9076 0.7408	0.8045	0.9536	Ave		0.8601				8.8		30.0			
Naphthalene	+++++ 1.4346	+++++ 1.1163	0.5210 1.3723	0.5605	1.3296	Ave		1.0557				39.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.6588	0.4727 0.5675	0.3635 0.6210	0.3656	0.6329	Ave		0.5260				24.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 213568	+++++ 289638	7945 560656	68655	140010	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 1498852	+++++ 2036941	49981 3865186	485352	999456	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 576407	+++++ 796162	19415 1544006	180454	381162	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1384998	18222 1884732	47401 3519414	449033	928242	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 255025	+++++ 355046	8328 692163	81439	167606	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 426076	+++++ 612083	14555 1130276	132351	285413	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	785 345433	4172 504923	10843 924618	106280	229012	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 221609	2746 339558	4226 621026	70353	149610	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 370868	4680 531610	12473 993761	115181	241442	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 192683	+++++ 261212	2763 527430	63675	134403	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 344527	4668 455537	11603 934027	110550	233611	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 529735	6379 702612	15879 1387891	165241	346182	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1617376	20318 2200642	52854 4221765	514440	1067747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 548423	+++++ 747926	17326 1427199	170593	358200	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 164496	+++++ 306624	34548 713715	62334	115578	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 304114	2907 404196	8848 781053	93118	192282	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 136437	+++++ 178554	+++++ 343495	41599	88241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1035821	13252 1397265	34973 2630721	336259	694880	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 484212	5839 659534	15370 1264367	152129	317945	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 516939	+++++ 699772	+++++ 1326389	176381	436259	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1239670	+++++ 1703476	40275 3259822	392390	823193	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 392981	+++++ 515348	+++++ 970703	127995	271288	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 355925	3587 493946	10000 969536	108983	230038	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 188475	+++++ 255856	+++++ 494906	58288	119328	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 342226	+++++ 470784	7285 907794	112408	222792	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 769883	+++++ 1019788	+++++ 1977171	238846	520688	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1491587	15719 2041570	20328 3875641	451169	954394	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 611440	7524 844028	19418 1626841	192709	404364	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 241893	+++++ 331675	3451 647138	74241	154438	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 586998	6510 814414	18896 1533795	186775	386694	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1839 737782	9302 1027200	24093 1949133	238918	489508	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 793302	+++++ 1097665	+++++ 2109173	240625	506331	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 524392	5823 731013	16193 1345344	166414	349712	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 217816	+++++ 296370	7410 538711	70567	146155	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 47096	+++++ 64609	+++++ 119476	15342	30677	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 329205	+++++ 451139	+++++ 852155	101249	214828	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1116352	13642 1547678	35637 2927600	353138	731043	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 673028	7515 923175	20413 1688008	216636	445466	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1324300	15118 1835675	41648 3459556	413102	868137	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	3273 1447512	16139 1993842	43501 3814449	446706	941186	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 1839233	19168 2522729	53707 4646331	576881	1197101	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1425296	17456 1957216	47199 3654247	457446	937791	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 728704	8141 1005157	21725 1966384	222650	467406	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 568000	6465 774565	16555 1440616	176521	366662	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 181355	+++++ 235433	+++++ 517699	53587	118539	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1891 751793	8957 1026975	23087 1941309	237693	491220	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 437616	4958 597332	13080 1128560	136596	284011	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 504843	+++++ 694248	11279 1353223	149417	323850	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 240826	+++++ 298849	+++++ 575243	77888	165035	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 838472	9828 1129943	26185 2104377	269564	549573	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1242171	12388 1695508	34332 3248918	376429	790894	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 829761	6754 1141045	19828 2226486	241583	516718	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 747823	5889 1005345	17569 1960750	222015	484157	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 732734	7146 978872	21985 1769899	242475	487448	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1121753	13704 1485517	37247 2730529	374209	734178	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 919654	7304 1248842	21161 2495427	264182	573361	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 536001	5327 721781	15426 1383319	165867	343630	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	3547 1322635	14970 1763608	41440 3252617	424268	864187	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 672845	+++++ 923848	11998 1887589	186308	428991	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 1461120	12873 1972982	36443 3787104	437541	945498	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1143093	10973 1548606	30725 2994648	341782	730003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 1726735	21441 2314513	54606 4418570	543348	1127504	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 2674126	27672 3595593	78861 6771998	838534	1747508	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 884417	8458 1191189	26081 2213408	283218	586515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2060996	22497 2733985	65501 5114351	671615	1366350	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1049575	10695 1395981	28855 2625249	333005	699008	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1600269	12364 2163997	39130 4134957	489313	1053878	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 1466678	11309 1973332	34246 3713054	441577	954966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 3265858	31723 4362179	93735 8060942	1035939	2144883	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1368578	15382 1823711	41194 3402773	438385	921128	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 3614694	35689 4761465	104027 8588250	1146976	2428875	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1068251	+++++ 1431836	33997 2699054	336924	716032	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1188859	+++++ 1570417	33003 2830746	370035	802571	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 3361751	33462 4443607	99489 8047332	1063848	2253825	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 2754570	31263 3655890	84726 6775236	867515	1842004	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3028455	32967 4010127	92557 7366666	957486	2016034	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1508516	9188 2015326	27942 3821590	431720	989971	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 2953424	34243 3882088	96292 7084357	973406	1988792	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 2998517	28967 3952293	86321 7327196	932117	1990462	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 4055790	44546 5312031	126577 9541306	1332745	2725866	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 3674867	35937 4836510	108282 8784165	1183705	2459661	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2052740	20094 2745844	54201 5164611	595827	1350281	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2014386	18222 2715131	48678 5146856	562877	1306309	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1959220	9089 2755877	24766 5672825	460575	1187690	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1222569	+++++ 1581850	+++++ 2813425	348175	828564	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 2663939	24520 3524244	72178 6473695	817045	1784515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2004035	20489 2657751	51971 5024963	588045	1312502	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 978405	+++++ 1231634	+++++ 2441545	175760	610188	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1164315	+++++ 1475667	18612 3272796	217472	705913	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1532640	17711 1974819	46747 3591316	466367	1031628	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 2359180	+++++ 2618860	26834 6652457	324882	1438505	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1083365	9957 1331446	18721 3010175	211935	684727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5718	+++++ 0.5385	0.6481 0.5237	0.5011	0.5642	Ave		0.5579				9.2		30.0			
Dichlorodifluoromethane	+++++ 4.0127	+++++ 3.7871	4.0771 3.6104	3.5425	4.0272	Ave		3.8428				6.0		30.0			
Freon 22	+++++ 1.5431	+++++ 1.4802	1.5837 1.4422	1.3171	1.5358	Ave		1.4837				6.4		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.7079	3.6219 3.5041	3.8666 3.2874	3.2774	3.7402	Ave		3.5722				6.3		30.0			
Chloromethane	+++++ 0.6827	+++++ 0.6601	0.6793 0.6465	0.5944	0.6753	Ave		0.6564				5.1		30.0			
n-Butane	+++++ 1.1407	+++++ 1.1380	1.1873 1.0558	0.9660	1.1500	Ave		1.1063				7.3		30.0			
Vinyl chloride	0.7183 0.9248	0.8293 0.9388	0.8845 0.8637	0.7757	0.9228	Ave		0.8572				9.1		30.0			
1,3-Butadiene	+++++ 0.5933	0.5458 0.6313	0.3447 0.5801	0.5135	0.6028	Ave		0.5445				18.0		30.0			
Bromomethane	+++++ 0.9929	0.9302 0.9884	1.0175 0.9283	0.8407	0.9729	Ave		0.9530				6.2		30.0			
Chloroethane	+++++ 0.5158	+++++ 0.4856	0.2254 0.4927	0.4648	0.5416	Ave		0.4543				25.0		30.0			
Isopentane	+++++ 0.9224	0.9278 0.8469	0.9465 0.8725	0.8069	0.9413	Ave		0.8949				6.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.4182	1.2679 1.3063	1.2953 1.2964	1.2061	1.3949	Ave		1.3122				5.6		30.0			
Trichlorofluoromethane	+++++ 4.3300	4.0385 4.0915	4.3114 3.9435	3.7548	4.3024	Ave		4.1103				5.3		30.0			
n-Pentane	+++++ 1.4682	+++++ 1.3906	1.4133 1.3331	1.2451	1.4433	Ave		1.3823				5.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.3296	+++++ 0.2850	0.2815 0.2667	0.2273	0.3103	Ave		0.2834				13.0		30.0			
Ethyl ether	+++++ 0.8142	0.5778 0.7515	0.7218 0.7296	0.6797	0.7748	Ave		0.7213				11.0		30.0			
Acrolein	+++++ 0.3653	+++++ 0.3320	+++++ 0.3209	0.3036	0.3556	Ave		0.3355				7.5		30.0			
Freon TF	+++++ 2.7731	2.6341 2.5978	2.8528 2.4573	2.4543	2.7999	Ave		2.6528				6.1		30.0			
1,1-Dichloroethene	+++++ 1.2963	1.1606 1.2262	1.2538 1.1810	1.1104	1.2811	Ave		1.2156				5.6		30.0			
Acetone	+++++ 1.3839	+++++ 1.3010	+++++ 1.2390	1.2874	1.7579	Ave		1.3938				15.0		30.0			
Carbon disulfide	+++++ 3.3188	+++++ 3.1671	3.2853 3.0449	2.8640	3.3170	Ave		3.1662				5.8		30.0			
Isopropyl alcohol	+++++ 1.0521	+++++ 0.9581	+++++ 0.9067	0.9342	1.0931	Ave		0.9889				8.1		30.0			
3-Chloropropene	+++++ 0.9529	0.7130 0.9184	0.8157 0.9056	0.7955	0.9269	Ave		0.8611				10.0		30.0			
Acetonitrile	+++++ 0.5046	+++++ 0.4757	+++++ 0.4623	0.4254	0.4808	Ave		0.4698				6.2		30.0			
Methylene Chloride	+++++ 0.9162	+++++ 0.8753	0.5943 0.8480	0.8205	0.8977	Ave		0.8253				14.0		30.0			
tert-Butyl alcohol	+++++ 2.0611	+++++ 1.8960	+++++ 1.8468	1.7433	2.0981	Ave		1.9291				7.7		30.0			
Methyl tert-butyl ether	+++++ 3.9933	3.1244 3.7957	1.6582 3.6202	3.2930	3.8456	Ave		3.3329				24.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.6369	1.4955 1.5692	1.5840 1.5196	1.4066	1.6293	Ave		1.5487				5.3		30.0			
Acrylonitrile	+++++ 0.6476	+++++ 0.6167	0.2815 0.6045	0.5419	0.6223	Ave		0.5524				25.0		30.0			
n-Hexane	+++++ 1.5715	1.2940 1.5142	1.5414 1.4327	1.3633	1.5581	Ave		1.4679				7.3		30.0			
1,1-Dichloroethane	1.6827 1.9752	1.8489 1.9098	1.9653 1.8207	1.7438	1.9724	Ave		1.8649				5.9		30.0			
Vinyl acetate	+++++ 2.1238	+++++ 2.0408	+++++ 1.9701	1.7563	2.0402	Ave		1.9863				7.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.4039	1.1574 1.3591	1.3209 1.2567	1.2146	1.4091	Ave		1.3031				7.4		30.0			
Methyl Ethyl Ketone	+++++ 0.5831	+++++ 0.5510	0.6045 0.5032	0.5151	0.5889	Ave		0.5576				7.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1261	+++++ 0.1201	+++++ 0.1116	0.1120	0.1236	Ave		0.1187				5.6		30.0			
Tetrahydrofuran	+++++ 0.1799	+++++ 0.1727	+++++ 0.1599	0.1542	0.1780	Ave		0.1689				6.7		30.0			
Chloroform	+++++ 2.9887	2.7116 2.8775	2.9070 2.7346	2.5775	2.9457	Ave		2.8204				5.3		30.0			
Cyclohexane	+++++ 0.3677	0.3032 0.3534	0.3443 0.3168	0.3299	0.3691	Ave		0.3406				7.4		30.0			
1,1,1-Trichloroethane	+++++ 0.7235	0.6099 0.7028	0.7024 0.6493	0.6292	0.7194	Ave		0.6766				6.8		30.0			
Carbon tetrachloride	0.6139 0.7908	0.6511 0.7634	0.7337 0.7159	0.6803	0.7799	Ave		0.7161				8.9		30.0			
2,2,4-Trimethylpentane	+++++ 1.0048	0.7733 0.9658	0.9058 0.8720	0.8786	0.9920	Ave		0.9132				8.9		30.0			
Benzene	+++++ 0.7787	0.7042 0.7493	0.7961 0.6858	0.6967	0.7771	Ave		0.7411				6.1		30.0			
1,2-Dichloroethane	+++++ 0.3981	0.3284 0.3848	0.3664 0.3690	0.3391	0.3873	Ave		0.3676				7.0		30.0			
n-Heptane	+++++ 0.3103	0.2608 0.2965	0.2792 0.2704	0.2688	0.3038	Ave		0.2843				6.8		30.0			
n-Butanol	+++++ 0.0991	+++++ 0.0901	+++++ 0.0972	0.0816	0.0982	Ave		0.0932				7.9		30.0			
Trichloroethene	0.3547 0.4107	0.3613 0.3932	0.3894 0.3643	0.3620	0.4070	Ave		0.3803				5.9		30.0			
1,2-Dichloropropane	+++++ 0.2391	0.2000 0.2287	0.2206 0.2118	0.2080	0.2353	Ave		0.2205				6.6		30.0			
Methyl methacrylate	+++++ 0.2758	+++++ 0.2658	0.1902 0.2540	0.2276	0.2684	Ave		0.2470				13.0		30.0			
1,4-Dioxane	+++++ 0.1316	+++++ 0.1144	+++++ 0.1080	0.1186	0.1368	Ave		0.1219				9.8		30.0			
Dibromomethane	+++++ 0.4581	0.3965 0.4326	0.4416 0.3949	0.4105	0.4554	Ave		0.4271				6.2		30.0			
Bromodichloromethane	+++++ 0.6786	0.4998 0.6491	0.5790 0.6097	0.5733	0.6554	Ave		0.6064				10.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4533	0.2725 0.4369	0.3344 0.4179	0.3679	0.4282	Ave		0.3873				17.0		30.0			
methyl isobutyl ketone	+++++ 0.4086	0.2376 0.3849	0.2963 0.3680	0.3381	0.4012	Ave		0.3478				18.0		30.0			
n-Octane	+++++ 0.4003	0.2883 0.3748	0.3708 0.3322	0.3693	0.4039	Ave		0.3628				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6821	0.6506 0.6332	0.7231 0.5633	0.6455	0.6786	Ave		0.6538				7.6		30.0			
trans-1,3-Dichloropropene	+++++ 0.5024	0.2947 0.4781	0.3569 0.4683	0.4023	0.4751	Ave		0.4254				18.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3259	0.2529 0.3077	0.2995 0.2854	0.2861	0.3176	Ave		0.2964				8.2		30.0			
Tetrachloroethene	0.7920 0.8043	0.7107 0.7517	0.8045 0.6710	0.7319	0.7988	Ave		0.7581				6.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4091	+++++ 0.3938	0.2329 0.3894	0.3214	0.3965	Ave		0.3572				19.0		30.0			
Dibromochloromethane	+++++ 0.8885	0.6111 0.8410	0.7075 0.7812	0.7548	0.8739	Ave		0.7797				13.0		30.0			
1,2-Dibromoethane	+++++ 0.6951	0.5209 0.6601	0.5965 0.6178	0.5896	0.6748	Ave		0.6221				9.6		30.0			
Chlorobenzene	+++++ 1.0500	1.0179 0.9866	1.0602 0.9115	0.9373	1.0422	Ave		1.0008				5.8		30.0			
Ethylbenzene	+++++ 1.6261	1.3137 1.5326	1.5311 1.3970	1.4466	1.6153	Ave		1.4946				7.7		30.0			
n-Nonane	+++++ 0.5378	0.4015 0.5077	0.5064 0.4566	0.4886	0.5421	Ave		0.4915				10.0		30.0			
m,p-Xylene	+++++ 0.6266	0.5340 0.5827	0.6358 0.5275	0.5793	0.6315	Ave		0.5882				7.7		30.0			
Xylene, o-	+++++ 0.6382	0.5077 0.5950	0.5602 0.5416	0.5745	0.6461	Ave		0.5805				8.6		30.0			
Styrene	+++++ 0.9731	0.5870 0.9224	0.7597 0.8530	0.8441	0.9741	Ave		0.8448				16.0		30.0			
Bromoform	+++++ 0.8919	0.5369 0.8411	0.6649 0.7660	0.7618	0.8827	Ave		0.7636				17.0		30.0			
Cumene	+++++ 1.9859	1.5060 1.8594	1.8198 1.6629	1.7871	1.9826	Ave		1.8005				9.5		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8322	0.7302 0.7774	0.7998 0.7020	0.7563	0.8514	Ave		0.7785				6.9		30.0			
n-Propylbenzene	+++++ 2.1980	1.6943 2.0296	2.0196 1.7717	1.9786	2.2451	Ave		1.9910				10.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6496	+++++ 0.6103	0.6600 0.5568	0.5812	0.6618	Ave		0.6200				7.1		30.0			
n-Decane	+++++ 0.7229	+++++ 0.6694	0.6407 0.5839	0.6383	0.7418	Ave		0.6662				8.8		30.0			
4-Ethyltoluene	+++++ 2.0442	1.5885 1.8941	1.9315 1.6601	1.8352	2.0833	Ave		1.8624				9.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.6750	1.4841 1.5583	1.6449 1.3976	1.4965	1.7026	Ave		1.5656				7.2		30.0			
1,3,5-Trimethylbenzene	+++++ 1.8416	1.5650 1.7093	1.7970 1.5197	1.6518	1.8635	Ave		1.7068				7.9		30.0			
Alpha Methyl Styrene	+++++ 0.9173	0.4362 0.8590	0.5425 0.7883	0.7448	0.9151	Ave		0.7433				25.0		30.0			
tert-Butylbenzene	+++++ 1.7959	1.6256 1.6547	1.8695 1.4614	1.6792	1.8383	Ave		1.7035				8.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.8234	1.3752 1.6847	1.6759 1.5115	1.6080	1.8398	Ave		1.6455				10.0		30.0			
sec-Butylbenzene	+++++ 2.4663	2.1147 2.2642	2.4574 1.9683	2.2991	2.5196	Ave		2.2985				8.8		30.0			
4-Isopropyltoluene	+++++ 2.2346	1.7060 2.0616	2.1023 1.8121	2.0420	2.2735	Ave		2.0332				10.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2482	0.9539 1.1704	1.0523 1.0654	1.0279	1.2481	Ave		1.1095				10.0		30.0			
1,4-Dichlorobenzene	+++++ 1.2249	0.8651 1.1573	0.9451 1.0617	0.9710	1.2075	Ave		1.0618				13.0		30.0			
Benzyl chloride	+++++ 1.1914	0.4315 1.1747	0.4808 1.1702	0.7945	1.0978	Ave		0.9058				37.0	*	30.0			
n-Undecane	+++++ 0.7434	+++++ 0.6743	+++++ 0.5804	0.6006	0.7659	Ave		0.6729				12.0		30.0			
n-Butylbenzene	+++++ 1.6199	1.1640 1.5022	1.4013 1.3354	1.4095	1.6495	Ave		1.4403				12.0		30.0			
1,2-Dichlorobenzene	+++++ 1.2186	0.9727 1.1329	1.0090 1.0366	1.0144	1.2132	Ave		1.0853				9.4		30.0			
n-Dodecane	+++++ 0.5950	+++++ 0.5250	+++++ 0.5037	0.3032	0.5640	Ave		0.4982				23.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7080	+++++ 0.6290	0.3613 0.6751	0.3752	0.6525	Ave		0.5669				28.0		30.0			
Hexachlorobutadiene	+++++ 0.9320	0.8408 0.8418	0.9076 0.7408	0.8045	0.9536	Ave		0.8601				8.8		30.0			
Naphthalene	+++++ 1.4346	+++++ 1.1163	0.5210 1.3723	0.5605	1.3296	Ave		1.0557				39.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.6588	0.4727 0.5675	0.3635 0.6210	0.3656	0.6329	Ave		0.5260				24.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 213568	+++++ 289638	7945 560656	68655	140010	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 1498852	+++++ 2036941	49981 3865186	485352	999456	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 576407	+++++ 796162	19415 1544006	180454	381162	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1384998	18222 1884732	47401 3519414	449033	928242	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 255025	+++++ 355046	8328 692163	81439	167606	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 426076	+++++ 612083	14555 1130276	132351	285413	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	785 345433	4172 504923	10843 924618	106280	229012	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 221609	2746 339558	4226 621026	70353	149610	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 370868	4680 531610	12473 993761	115181	241442	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 192683	+++++ 261212	2763 527430	63675	134403	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 344527	4668 455537	11603 934027	110550	233611	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 529735	6379 702612	15879 1387891	165241	346182	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1617376	20318 2200642	52854 4221765	514440	1067747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 548423	+++++ 747926	17326 1427199	170593	358200	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 164496	+++++ 306624	34548 713715	62334	115578	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 304114	2907 404196	8848 781053	93118	192282	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 136437	+++++ 178554	+++++ 343495	41599	88241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1035821	13252 1397265	34973 2630721	336259	694880	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 484212	5839 659534	15370 1264367	152129	317945	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 516939	+++++ 699772	+++++ 1326389	176381	436259	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1239670	+++++ 1703476	40275 3259822	392390	823193	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 392981	+++++ 515348	+++++ 970703	127995	271288	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 355925	3587 493946	10000 969536	108983	230038	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 188475	+++++ 255856	+++++ 494906	58288	119328	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 342226	+++++ 470784	7285 907794	112408	222792	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 769883	+++++ 1019788	+++++ 1977171	238846	520688	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1491587	15719 2041570	20328 3875641	451169	954394	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 611440	7524 844028	19418 1626841	192709	404364	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 241893	+++++ 331675	3451 647138	74241	154438	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 586998	6510 814414	18896 1533795	186775	386694	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1839 737782	9302 1027200	24093 1949133	238918	489508	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 793302	+++++ 1097665	+++++ 2109173	240625	506331	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 524392	5823 731013	16193 1345344	166414	349712	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 217816	+++++ 296370	7410 538711	70567	146155	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 47096	+++++ 64609	+++++ 119476	15342	30677	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 329205	+++++ 451139	+++++ 852155	101249	214828	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1116352	13642 1547678	35637 2927600	353138	731043	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 673028	7515 923175	20413 1688008	216636	445466	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1324300	15118 1835675	41648 3459556	413102	868137	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	3273 1447512	16139 1993842	43501 3814449	446706	941186	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 1839233	19168 2522729	53707 4646331	576881	1197101	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1425296	17456 1957216	47199 3654247	457446	937791	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 728704	8141 1005157	21725 1966384	222650	467406	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 568000	6465 774565	16555 1440616	176521	366662	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 181355	+++++ 235433	+++++ 517699	53587	118539	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1891 751793	8957 1026975	23087 1941309	237693	491220	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 437616	4958 597332	13080 1128560	136596	284011	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 504843	+++++ 694248	11279 1353223	149417	323850	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 240826	+++++ 298849	+++++ 575243	77888	165035	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 838472	9828 1129943	26185 2104377	269564	549573	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1242171	12388 1695508	34332 3248918	376429	790894	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 829761	6754 1141045	19828 2226486	241583	516718	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 747823	5889 1005345	17569 1960750	222015	484157	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 732734	7146 978872	21985 1769899	242475	487448	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1121753	13704 1485517	37247 2730529	374209	734178	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 919654	7304 1248842	21161 2495427	264182	573361	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 536001	5327 721781	15426 1383319	165867	343630	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	3547 1322635	14970 1763608	41440 3252617	424268	864187	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 672845	+++++ 923848	11998 1887589	186308	428991	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 1461120	12873 1972982	36443 3787104	437541	945498	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1143093	10973 1548606	30725 2994648	341782	730003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 1726735	21441 2314513	54606 4418570	543348	1127504	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 2674126	27672 3595593	78861 6771998	838534	1747508	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 884417	8458 1191189	26081 2213408	283218	586515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2060996	22497 2733985	65501 5114351	671615	1366350	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1049575	10695 1395981	28855 2625249	333005	699008	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1600269	12364 2163997	39130 4134957	489313	1053878	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 1466678	11309 1973332	34246 3713054	441577	954966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 3265858	31723 4362179	93735 8060942	1035939	2144883	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1368578	15382 1823711	41194 3402773	438385	921128	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 3614694	35689 4761465	104027 8588250	1146976	2428875	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1068251	+++++ 1431836	33997 2699054	336924	716032	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1188859	+++++ 1570417	33003 2830746	370035	802571	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 3361751	33462 4443607	99489 8047332	1063848	2253825	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 2754570	31263 3655890	84726 6775236	867515	1842004	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3028455	32967 4010127	92557 7366666	957486	2016034	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1508516	9188 2015326	27942 3821590	431720	989971	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 2953424	34243 3882088	96292 7084357	973406	1988792	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 2998517	28967 3952293	86321 7327196	932117	1990462	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 4055790	44546 5312031	126577 9541306	1332745	2725866	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 3674867	35937 4836510	108282 8784165	1183705	2459661	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2052740	20094 2745844	54201 5164611	595827	1350281	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2014386	18222 2715131	48678 5146856	562877	1306309	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1959220	9089 2755877	24766 5672825	460575	1187690	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1222569	+++++ 1581850	+++++ 2813425	348175	828564	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 2663939	24520 3524244	72178 6473695	817045	1784515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2004035	20489 2657751	51971 5024963	588045	1312502	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 978405	+++++ 1231634	+++++ 2441545	175760	610188	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1164315	+++++ 1475667	18612 3272796	217472	705913	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1532640	17711 1974819	46747 3591316	466367	1031628	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 2359180	+++++ 2618860	26834 6652457	324882	1438505	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1083365	9957 1331446	18721 3010175	211935	684727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.5994		10.7	10.0	7.4	30.0
Dichlorodifluoromethane	Ave	3.843	4.262		11.1	10.0	10.9	30.0
Freon 22	Ave	1.484	1.643		11.1	10.0	10.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	3.941		11.0	10.0	10.3	30.0
Chloromethane	Ave	0.6564	0.7291		11.1	10.0	11.1	30.0
n-Butane	Ave	1.106	1.173		10.6	10.0	6.1	30.0
Vinyl chloride	Ave	0.8572	0.9515		11.1	10.0	11.0	30.0
1,3-Butadiene	Ave	0.5445	0.6454		11.9	10.0	18.5	30.0
Bromomethane	Ave	0.9530	1.010		10.6	10.0	6.0	30.0
Chloroethane	Ave	0.4543	0.5477		12.1	10.0	20.6	30.0
Isopentane	Ave	0.8949	0.9897		11.1	10.0	10.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.493		11.4	10.0	13.8	30.0
Trichlorofluoromethane	Ave	4.110	4.555		11.1	10.0	10.8	30.0
n-Pentane	Ave	1.382	1.515		11.0	10.0	9.6	30.0
Ethanol	Ave	0.2834	0.3220		17.0	15.0	13.6	30.0
Ethyl ether	Ave	0.7213	0.7945		11.0	10.0	10.1	30.0
Acrolein	Ave	0.3355	0.3233		9.64	10.0	-3.6	30.0
Freon TF	Ave	2.653	3.208		12.1	10.0	20.9	30.0
1,1-Dichloroethene	Ave	1.216	1.513		12.4	10.0	24.5	30.0
Acetone	Ave	1.394	1.525		10.9	10.0	9.4	30.0
Carbon disulfide	Ave	3.166	3.611		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.089		11.0	10.0	10.2	30.0
3-Chloropropene	Ave	0.8611	1.023		11.9	10.0	18.9	30.0
Acetonitrile	Ave	0.4698	0.5076		10.8	10.0	8.1	30.0
Methylene Chloride	Ave	0.8253	1.044		12.6	10.0	26.5	30.0
tert-Butyl alcohol	Ave	1.929	2.078		10.8	10.0	7.7	30.0
Methyl tert-butyl ether	Ave	3.333	4.187		12.6	10.0	25.6	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.758		11.3	10.0	13.5	30.0
Acrylonitrile	Ave	0.5524	0.6698		12.1	10.0	21.3	30.0
n-Hexane	Ave	1.468	1.696		11.6	10.0	15.5	30.0
1,1-Dichloroethane	Ave	1.865	2.130		11.4	10.0	14.2	30.0
Vinyl acetate	Ave	1.986	2.177		11.0	10.0	9.6	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.527		11.7	10.0	17.2	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6144		11.0	10.0	10.2	30.0
Ethyl acetate	Ave	0.1187	0.1295		10.9	10.0	9.1	30.0
Tetrahydrofuran	Ave	0.1689	0.1907		11.3	10.0	12.9	30.0
Chloroform	Ave	2.820	3.124		11.1	10.0	10.8	30.0
Cyclohexane	Ave	0.3406	0.4008		11.8	10.0	17.6	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8095		12.0	10.0	19.6	30.0
Carbon tetrachloride	Ave	0.7161	0.8253		11.5	10.0	15.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.095		12.0	10.0	20.0	30.0
Benzene	Ave	0.7411	0.8408		11.3	10.0	13.4	30.0
1,2-Dichloroethane	Ave	0.3676	0.4232		11.5	10.0	15.1	30.0
n-Heptane	Ave	0.2843	0.3335		11.7	10.0	17.3	30.0
n-Butanol	Ave	0.0932	0.0939		10.1	10.0	0.7	30.0
Trichloroethene	Ave	0.3803	0.4322		11.4	10.0	13.6	30.0
1,2-Dichloropropane	Ave	0.2205	0.2488		11.3	10.0	12.8	30.0
Methyl methacrylate	Ave	0.2470	0.2844		11.5	10.0	15.2	30.0
1,4-Dioxane	Ave	0.1219	0.1249		10.2	10.0	2.5	30.0
Dibromomethane	Ave	0.4271	0.4797		11.2	10.0	12.3	30.0
Bromodichloromethane	Ave	0.6064	0.7269		12.0	10.0	19.9	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4579		11.8	10.0	18.2	30.0
methyl isobutyl ketone	Ave	0.3478	0.4278		12.3	10.0	23.0	30.0
n-Octane	Ave	0.3628	0.4369		12.0	10.0	20.4	30.0
Toluene	Ave	0.6538	0.6977		10.7	10.0	6.7	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5042		11.8	10.0	18.5	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3084		10.4	10.0	4.0	30.0
Tetrachloroethene	Ave	0.7581	0.7970		10.5	10.0	5.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.3924		11.0	10.0	9.9	30.0
Dibromochloromethane	Ave	0.7797	0.9039		11.6	10.0	15.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.6723		10.8	10.0	8.1	30.0
Chlorobenzene	Ave	1.001	1.033		10.3	10.0	3.2	30.0
Ethylbenzene	Ave	1.495	1.632		10.9	10.0	9.2	30.0
n-Nonane	Ave	0.4915	0.5572		11.3	10.0	13.4	30.0
m,p-Xylene	Ave	0.5882	0.6332		21.5	20.0	7.7	30.0
Xylene, o-	Ave	0.5805	0.6344		10.9	10.0	9.3	30.0
Styrene	Ave	0.8448	0.9694		11.5	10.0	14.8	30.0
Bromoform	Ave	0.7636	0.8991		11.8	10.0	17.7	30.0
Cumene	Ave	1.801	2.022		11.2	10.0	12.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.8065		10.4	10.0	3.6	30.0
n-Propylbenzene	Ave	1.991	2.263		11.4	10.0	13.7	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.6618		10.7	10.0	6.7	30.0
n-Decane	Ave	0.6662	0.7412		11.1	10.0	11.3	30.0
4-Ethyltoluene	Ave	1.862	2.134		11.5	10.0	14.6	30.0
2-Chlorotoluene	Ave	1.566	1.727		11.0	10.0	10.3	30.0
1,3,5-Trimethylbenzene	Ave	1.707	1.838		10.8	10.0	7.7	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9000		12.1	10.0	21.1	30.0
tert-Butylbenzene	Ave	1.704	1.855		10.9	10.0	8.9	30.0
1,2,4-Trimethylbenzene	Ave	1.645	1.781		10.8	10.0	8.2	30.0
sec-Butylbenzene	Ave	2.299	2.536		11.0	10.0	10.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.294		11.3	10.0	12.8	30.0
1,3-Dichlorobenzene	Ave	1.109	1.186		10.7	10.0	6.9	30.0
1,4-Dichlorobenzene	Ave	1.062	1.148		10.8	10.0	8.1	30.0
Benzyl chloride	Ave	0.9058	1.055		11.6	10.0	16.4	30.0
n-Undecane	Ave	0.6729	0.7738		11.5	10.0	15.0	30.0
n-Butylbenzene	Ave	1.440	1.646		11.4	10.0	14.3	30.0
1,2-Dichlorobenzene	Ave	1.085	1.129		10.4	10.0	4.1	30.0
n-Dodecane	Ave	0.4982	0.5718		11.5	10.0	14.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6117		10.8	10.0	7.9	30.0
Hexachlorobutadiene	Ave	0.8601	0.9242		10.7	10.0	7.4	30.0
Naphthalene	Ave	1.056	1.362		12.9	10.0	29.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6460		12.3	10.0	22.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.6141		11.0	10.0	10.1	30.0
Dichlorodifluoromethane	Ave	3.843	4.499		11.7	10.0	17.1	30.0
Freon 22	Ave	1.484	1.695		11.4	10.0	14.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	4.028		11.3	10.0	12.8	30.0
Chloromethane	Ave	0.6564	0.7330		11.2	10.0	11.7	30.0
n-Butane	Ave	1.106	1.241		11.2	10.0	12.2	30.0
Vinyl chloride	Ave	0.8572	0.996		11.6	10.0	16.2	30.0
1,3-Butadiene	Ave	0.5445	0.6435		11.8	10.0	18.2	30.0
Bromomethane	Ave	0.9530	1.018		10.7	10.0	6.8	30.0
Chloroethane	Ave	0.4543	0.5498		12.1	10.0	21.0	30.0
Isopentane	Ave	0.8949	0.9837		11.0	10.0	9.9	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.494		11.4	10.0	13.9	30.0
Trichlorofluoromethane	Ave	4.110	4.888		11.9	10.0	18.9	30.0
n-Pentane	Ave	1.382	1.552		11.2	10.0	12.3	30.0
Ethanol	Ave	0.2834	0.3311		17.5	15.0	16.8	30.0
Ethyl ether	Ave	0.7213	0.8131		11.3	10.0	12.7	30.0
Acrolein	Ave	0.3355	0.3583		10.7	10.0	6.8	30.0
Freon TF	Ave	2.653	3.072		11.6	10.0	15.8	30.0
1,1-Dichloroethene	Ave	1.216	1.382		11.4	10.0	13.7	30.0
Acetone	Ave	1.394	2.068		14.8	10.0	48.3*	30.0
Carbon disulfide	Ave	3.166	3.614		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.058		10.7	10.0	6.9	30.0
3-Chloropropene	Ave	0.8611	0.996		11.6	10.0	15.7	30.0
Acetonitrile	Ave	0.4698	0.5141		10.9	10.0	9.4	30.0
Methylene Chloride	Ave	0.8253	0.9911		12.0	10.0	20.1	30.0
tert-Butyl alcohol	Ave	1.929	2.038		10.6	10.0	5.7	30.0
Methyl tert-butyl ether	Ave	3.333	3.974		11.9	10.0	19.2	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.772		11.4	10.0	14.4	30.0
Acrylonitrile	Ave	0.5524	0.6559		11.9	10.0	18.7	30.0
n-Hexane	Ave	1.468	1.641		11.2	10.0	11.8	30.0
1,1-Dichloroethane	Ave	1.865	2.102		11.3	10.0	12.7	30.0
Vinyl acetate	Ave	1.986	2.154		10.8	10.0	8.5	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.494		11.5	10.0	14.6	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6539		11.7	10.0	17.3	30.0
Ethyl acetate	Ave	0.1187	0.1315		11.1	10.0	10.8	30.0
Tetrahydrofuran	Ave	0.1689	0.1945		11.5	10.0	15.1	30.0
Chloroform	Ave	2.820	3.258		11.5	10.0	15.5	30.0
Cyclohexane	Ave	0.3406	0.3978		11.7	10.0	16.8	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8371		12.4	10.0	23.7	30.0
Carbon tetrachloride	Ave	0.7161	0.9196		12.8	10.0	28.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.084		11.9	10.0	18.7	30.0
Benzene	Ave	0.7411	0.8715		11.8	10.0	17.6	30.0
1,2-Dichloroethane	Ave	0.3676	0.4393		11.9	10.0	19.5	30.0
n-Heptane	Ave	0.2843	0.3432		12.1	10.0	20.7	30.0
n-Butanol	Ave	0.0932	0.0964		10.3	10.0	3.4	30.0
Trichloroethene	Ave	0.3803	0.4652		12.2	10.0	22.3	30.0
1,2-Dichloropropane	Ave	0.2205	0.2637		12.0	10.0	19.6	30.0
Methyl methacrylate	Ave	0.2470	0.2965		12.0	10.0	20.0	30.0
1,4-Dioxane	Ave	0.1219	0.1411		11.6	10.0	15.7	30.0
Dibromomethane	Ave	0.4271	0.5380		12.6	10.0	26.0	30.0
Bromodichloromethane	Ave	0.6064	0.7663		12.6	10.0	26.4	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4837		12.5	10.0	24.9	30.0
methyl isobutyl ketone	Ave	0.3478	0.4499		12.9	10.0	29.4	30.0
n-Octane	Ave	0.3628	0.4611		12.7	10.0	27.1	30.0
Toluene	Ave	0.6538	0.7458		11.4	10.0	14.1	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5536		13.0	10.0	30.1*	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3575		12.1	10.0	20.6	30.0
Tetrachloroethene	Ave	0.7581	0.9127		12.0	10.0	20.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.4413		12.4	10.0	23.5	30.0
Dibromochloromethane	Ave	0.7797	1.005		12.9	10.0	28.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.7571		12.2	10.0	21.7	30.0
Chlorobenzene	Ave	1.001	1.158		11.6	10.0	15.7	30.0
Ethylbenzene	Ave	1.495	1.782		11.9	10.0	19.3	30.0
n-Nonane	Ave	0.4915	0.6009		12.2	10.0	22.2	30.0
m,p-Xylene	Ave	0.5882	0.7021		23.9	20.0	19.4	30.0
Xylene, o-	Ave	0.5805	0.7106		12.2	10.0	22.4	30.0
Styrene	Ave	0.8448	1.043		12.3	10.0	23.5	30.0
Bromoform	Ave	0.7636	1.050		13.7	10.0	37.4*	30.0
Cumene	Ave	1.801	2.240		12.4	10.0	24.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.9781		12.6	10.0	25.6	30.0
n-Propylbenzene	Ave	1.991	2.571		12.9	10.0	29.1	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.7702		12.4	10.0	24.2	30.0
n-Decane	Ave	0.6662	0.8387		12.6	10.0	25.9	30.0
4-Ethyltoluene	Ave	1.862	2.401		12.9	10.0	28.9	30.0
2-Chlorotoluene	Ave	1.566	1.985		12.7	10.0	26.8	30.0
1,3,5-Trimethylbenzene	Ave	1.707	2.148		12.6	10.0	25.9	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9423		12.7	10.0	26.8	30.0
tert-Butylbenzene	Ave	1.704	2.127		12.5	10.0	24.8	30.0
1,2,4-Trimethylbenzene	Ave	1.645	2.120		12.9	10.0	28.8	30.0
sec-Butylbenzene	Ave	2.299	2.914		12.7	10.0	26.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.628		12.9	10.0	29.3	30.0
1,3-Dichlorobenzene	Ave	1.109	1.461		13.2	10.0	31.7*	30.0
1,4-Dichlorobenzene	Ave	1.062	1.420		13.4	10.0	33.8*	30.0
Benzyl chloride	Ave	0.9058	1.363		15.0	10.0	50.5*	30.0
n-Undecane	Ave	0.6729	0.8599		12.8	10.0	27.8	30.0
n-Butylbenzene	Ave	1.440	1.905		13.2	10.0	32.2*	30.0
1,2-Dichlorobenzene	Ave	1.085	1.436		13.2	10.0	32.3*	30.0
n-Dodecane	Ave	0.4982	0.5920		11.9	10.0	18.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6763		11.9	10.0	19.3	30.0
Hexachlorobutadiene	Ave	0.8601	1.162		13.5	10.0	35.1*	30.0
Naphthalene	Ave	1.056	1.259		11.9	10.0	19.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6739		12.8	10.0	28.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.5994		10.7	10.0	7.4	30.0
Dichlorodifluoromethane	Ave	3.843	4.262		11.1	10.0	10.9	30.0
Freon 22	Ave	1.484	1.643		11.1	10.0	10.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	3.941		11.0	10.0	10.3	30.0
Chloromethane	Ave	0.6564	0.7291		11.1	10.0	11.1	30.0
n-Butane	Ave	1.106	1.173		10.6	10.0	6.1	30.0
Vinyl chloride	Ave	0.8572	0.9515		11.1	10.0	11.0	30.0
1,3-Butadiene	Ave	0.5445	0.6454		11.9	10.0	18.5	30.0
Bromomethane	Ave	0.9530	1.010		10.6	10.0	6.0	30.0
Chloroethane	Ave	0.4543	0.5477		12.1	10.0	20.6	30.0
Isopentane	Ave	0.8949	0.9897		11.1	10.0	10.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.493		11.4	10.0	13.8	30.0
Trichlorofluoromethane	Ave	4.110	4.555		11.1	10.0	10.8	30.0
n-Pentane	Ave	1.382	1.515		11.0	10.0	9.6	30.0
Ethanol	Ave	0.2834	0.3220		17.0	15.0	13.6	30.0
Ethyl ether	Ave	0.7213	0.7945		11.0	10.0	10.1	30.0
Acrolein	Ave	0.3355	0.3233		9.64	10.0	-3.6	30.0
Freon TF	Ave	2.653	3.208		12.1	10.0	20.9	30.0
1,1-Dichloroethene	Ave	1.216	1.513		12.4	10.0	24.5	30.0
Acetone	Ave	1.394	1.525		10.9	10.0	9.4	30.0
Carbon disulfide	Ave	3.166	3.611		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.089		11.0	10.0	10.2	30.0
3-Chloropropene	Ave	0.8611	1.023		11.9	10.0	18.9	30.0
Acetonitrile	Ave	0.4698	0.5076		10.8	10.0	8.1	30.0
Methylene Chloride	Ave	0.8253	1.044		12.6	10.0	26.5	30.0
tert-Butyl alcohol	Ave	1.929	2.078		10.8	10.0	7.7	30.0
Methyl tert-butyl ether	Ave	3.333	4.187		12.6	10.0	25.6	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.758		11.3	10.0	13.5	30.0
Acrylonitrile	Ave	0.5524	0.6698		12.1	10.0	21.3	30.0
n-Hexane	Ave	1.468	1.696		11.6	10.0	15.5	30.0
1,1-Dichloroethane	Ave	1.865	2.130		11.4	10.0	14.2	30.0
Vinyl acetate	Ave	1.986	2.177		11.0	10.0	9.6	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.527		11.7	10.0	17.2	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6144		11.0	10.0	10.2	30.0
Ethyl acetate	Ave	0.1187	0.1295		10.9	10.0	9.1	30.0
Tetrahydrofuran	Ave	0.1689	0.1907		11.3	10.0	12.9	30.0
Chloroform	Ave	2.820	3.124		11.1	10.0	10.8	30.0
Cyclohexane	Ave	0.3406	0.4008		11.8	10.0	17.6	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8095		12.0	10.0	19.6	30.0
Carbon tetrachloride	Ave	0.7161	0.8253		11.5	10.0	15.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.095		12.0	10.0	20.0	30.0
Benzene	Ave	0.7411	0.8408		11.3	10.0	13.4	30.0
1,2-Dichloroethane	Ave	0.3676	0.4232		11.5	10.0	15.1	30.0
n-Heptane	Ave	0.2843	0.3335		11.7	10.0	17.3	30.0
n-Butanol	Ave	0.0932	0.0939		10.1	10.0	0.7	30.0
Trichloroethene	Ave	0.3803	0.4322		11.4	10.0	13.6	30.0
1,2-Dichloropropane	Ave	0.2205	0.2488		11.3	10.0	12.8	30.0
Methyl methacrylate	Ave	0.2470	0.2844		11.5	10.0	15.2	30.0
1,4-Dioxane	Ave	0.1219	0.1249		10.2	10.0	2.5	30.0
Dibromomethane	Ave	0.4271	0.4797		11.2	10.0	12.3	30.0
Bromodichloromethane	Ave	0.6064	0.7269		12.0	10.0	19.9	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4579		11.8	10.0	18.2	30.0
methyl isobutyl ketone	Ave	0.3478	0.4278		12.3	10.0	23.0	30.0
n-Octane	Ave	0.3628	0.4369		12.0	10.0	20.4	30.0
Toluene	Ave	0.6538	0.6977		10.7	10.0	6.7	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5042		11.8	10.0	18.5	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3084		10.4	10.0	4.0	30.0
Tetrachloroethene	Ave	0.7581	0.7970		10.5	10.0	5.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.3924		11.0	10.0	9.9	30.0
Dibromochloromethane	Ave	0.7797	0.9039		11.6	10.0	15.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.6723		10.8	10.0	8.1	30.0
Chlorobenzene	Ave	1.001	1.033		10.3	10.0	3.2	30.0
Ethylbenzene	Ave	1.495	1.632		10.9	10.0	9.2	30.0
n-Nonane	Ave	0.4915	0.5572		11.3	10.0	13.4	30.0
m,p-Xylene	Ave	0.5882	0.6332		21.5	20.0	7.7	30.0
Xylene, o-	Ave	0.5805	0.6344		10.9	10.0	9.3	30.0
Styrene	Ave	0.8448	0.9694		11.5	10.0	14.8	30.0
Bromoform	Ave	0.7636	0.8991		11.8	10.0	17.7	30.0
Cumene	Ave	1.801	2.022		11.2	10.0	12.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.8065		10.4	10.0	3.6	30.0
n-Propylbenzene	Ave	1.991	2.263		11.4	10.0	13.7	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.6618		10.7	10.0	6.7	30.0
n-Decane	Ave	0.6662	0.7412		11.1	10.0	11.3	30.0
4-Ethyltoluene	Ave	1.862	2.134		11.5	10.0	14.6	30.0
2-Chlorotoluene	Ave	1.566	1.727		11.0	10.0	10.3	30.0
1,3,5-Trimethylbenzene	Ave	1.707	1.838		10.8	10.0	7.7	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9000		12.1	10.0	21.1	30.0
tert-Butylbenzene	Ave	1.704	1.855		10.9	10.0	8.9	30.0
1,2,4-Trimethylbenzene	Ave	1.645	1.781		10.8	10.0	8.2	30.0
sec-Butylbenzene	Ave	2.299	2.536		11.0	10.0	10.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.294		11.3	10.0	12.8	30.0
1,3-Dichlorobenzene	Ave	1.109	1.186		10.7	10.0	6.9	30.0
1,4-Dichlorobenzene	Ave	1.062	1.148		10.8	10.0	8.1	30.0
Benzyl chloride	Ave	0.9058	1.055		11.6	10.0	16.4	30.0
n-Undecane	Ave	0.6729	0.7738		11.5	10.0	15.0	30.0
n-Butylbenzene	Ave	1.440	1.646		11.4	10.0	14.3	30.0
1,2-Dichlorobenzene	Ave	1.085	1.129		10.4	10.0	4.1	30.0
n-Dodecane	Ave	0.4982	0.5718		11.5	10.0	14.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6117		10.8	10.0	7.9	30.0
Hexachlorobutadiene	Ave	0.8601	0.9242		10.7	10.0	7.4	30.0
Naphthalene	Ave	1.056	1.362		12.9	10.0	29.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6460		12.3	10.0	22.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.6141		11.0	10.0	10.1	30.0
Dichlorodifluoromethane	Ave	3.843	4.499		11.7	10.0	17.1	30.0
Freon 22	Ave	1.484	1.695		11.4	10.0	14.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	4.028		11.3	10.0	12.8	30.0
Chloromethane	Ave	0.6564	0.7330		11.2	10.0	11.7	30.0
n-Butane	Ave	1.106	1.241		11.2	10.0	12.2	30.0
Vinyl chloride	Ave	0.8572	0.996		11.6	10.0	16.2	30.0
1,3-Butadiene	Ave	0.5445	0.6435		11.8	10.0	18.2	30.0
Bromomethane	Ave	0.9530	1.018		10.7	10.0	6.8	30.0
Chloroethane	Ave	0.4543	0.5498		12.1	10.0	21.0	30.0
Isopentane	Ave	0.8949	0.9837		11.0	10.0	9.9	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.494		11.4	10.0	13.9	30.0
Trichlorofluoromethane	Ave	4.110	4.888		11.9	10.0	18.9	30.0
n-Pentane	Ave	1.382	1.552		11.2	10.0	12.3	30.0
Ethanol	Ave	0.2834	0.3311		17.5	15.0	16.8	30.0
Ethyl ether	Ave	0.7213	0.8131		11.3	10.0	12.7	30.0
Acrolein	Ave	0.3355	0.3583		10.7	10.0	6.8	30.0
Freon TF	Ave	2.653	3.072		11.6	10.0	15.8	30.0
1,1-Dichloroethene	Ave	1.216	1.382		11.4	10.0	13.7	30.0
Acetone	Ave	1.394	2.068		14.8	10.0	48.3*	30.0
Carbon disulfide	Ave	3.166	3.614		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.058		10.7	10.0	6.9	30.0
3-Chloropropene	Ave	0.8611	0.996		11.6	10.0	15.7	30.0
Acetonitrile	Ave	0.4698	0.5141		10.9	10.0	9.4	30.0
Methylene Chloride	Ave	0.8253	0.9911		12.0	10.0	20.1	30.0
tert-Butyl alcohol	Ave	1.929	2.038		10.6	10.0	5.7	30.0
Methyl tert-butyl ether	Ave	3.333	3.974		11.9	10.0	19.2	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.772		11.4	10.0	14.4	30.0
Acrylonitrile	Ave	0.5524	0.6559		11.9	10.0	18.7	30.0
n-Hexane	Ave	1.468	1.641		11.2	10.0	11.8	30.0
1,1-Dichloroethane	Ave	1.865	2.102		11.3	10.0	12.7	30.0
Vinyl acetate	Ave	1.986	2.154		10.8	10.0	8.5	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.494		11.5	10.0	14.6	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6539		11.7	10.0	17.3	30.0
Ethyl acetate	Ave	0.1187	0.1315		11.1	10.0	10.8	30.0
Tetrahydrofuran	Ave	0.1689	0.1945		11.5	10.0	15.1	30.0
Chloroform	Ave	2.820	3.258		11.5	10.0	15.5	30.0
Cyclohexane	Ave	0.3406	0.3978		11.7	10.0	16.8	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8371		12.4	10.0	23.7	30.0
Carbon tetrachloride	Ave	0.7161	0.9196		12.8	10.0	28.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.084		11.9	10.0	18.7	30.0
Benzene	Ave	0.7411	0.8715		11.8	10.0	17.6	30.0
1,2-Dichloroethane	Ave	0.3676	0.4393		11.9	10.0	19.5	30.0
n-Heptane	Ave	0.2843	0.3432		12.1	10.0	20.7	30.0
n-Butanol	Ave	0.0932	0.0964		10.3	10.0	3.4	30.0
Trichloroethene	Ave	0.3803	0.4652		12.2	10.0	22.3	30.0
1,2-Dichloropropane	Ave	0.2205	0.2637		12.0	10.0	19.6	30.0
Methyl methacrylate	Ave	0.2470	0.2965		12.0	10.0	20.0	30.0
1,4-Dioxane	Ave	0.1219	0.1411		11.6	10.0	15.7	30.0
Dibromomethane	Ave	0.4271	0.5380		12.6	10.0	26.0	30.0
Bromodichloromethane	Ave	0.6064	0.7663		12.6	10.0	26.4	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4837		12.5	10.0	24.9	30.0
methyl isobutyl ketone	Ave	0.3478	0.4499		12.9	10.0	29.4	30.0
n-Octane	Ave	0.3628	0.4611		12.7	10.0	27.1	30.0
Toluene	Ave	0.6538	0.7458		11.4	10.0	14.1	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5536		13.0	10.0	30.1*	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3575		12.1	10.0	20.6	30.0
Tetrachloroethene	Ave	0.7581	0.9127		12.0	10.0	20.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.4413		12.4	10.0	23.5	30.0
Dibromochloromethane	Ave	0.7797	1.005		12.9	10.0	28.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.7571		12.2	10.0	21.7	30.0
Chlorobenzene	Ave	1.001	1.158		11.6	10.0	15.7	30.0
Ethylbenzene	Ave	1.495	1.782		11.9	10.0	19.3	30.0
n-Nonane	Ave	0.4915	0.6009		12.2	10.0	22.2	30.0
m,p-Xylene	Ave	0.5882	0.7021		23.9	20.0	19.4	30.0
Xylene, o-	Ave	0.5805	0.7106		12.2	10.0	22.4	30.0
Styrene	Ave	0.8448	1.043		12.3	10.0	23.5	30.0
Bromoform	Ave	0.7636	1.050		13.7	10.0	37.4*	30.0
Cumene	Ave	1.801	2.240		12.4	10.0	24.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.9781		12.6	10.0	25.6	30.0
n-Propylbenzene	Ave	1.991	2.571		12.9	10.0	29.1	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.7702		12.4	10.0	24.2	30.0
n-Decane	Ave	0.6662	0.8387		12.6	10.0	25.9	30.0
4-Ethyltoluene	Ave	1.862	2.401		12.9	10.0	28.9	30.0
2-Chlorotoluene	Ave	1.566	1.985		12.7	10.0	26.8	30.0
1,3,5-Trimethylbenzene	Ave	1.707	2.148		12.6	10.0	25.9	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9423		12.7	10.0	26.8	30.0
tert-Butylbenzene	Ave	1.704	2.127		12.5	10.0	24.8	30.0
1,2,4-Trimethylbenzene	Ave	1.645	2.120		12.9	10.0	28.8	30.0
sec-Butylbenzene	Ave	2.299	2.914		12.7	10.0	26.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.628		12.9	10.0	29.3	30.0
1,3-Dichlorobenzene	Ave	1.109	1.461		13.2	10.0	31.7*	30.0
1,4-Dichlorobenzene	Ave	1.062	1.420		13.4	10.0	33.8*	30.0
Benzyl chloride	Ave	0.9058	1.363		15.0	10.0	50.5*	30.0
n-Undecane	Ave	0.6729	0.8599		12.8	10.0	27.8	30.0
n-Butylbenzene	Ave	1.440	1.905		13.2	10.0	32.2*	30.0
1,2-Dichlorobenzene	Ave	1.085	1.436		13.2	10.0	32.3*	30.0
n-Dodecane	Ave	0.4982	0.5920		11.9	10.0	18.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6763		11.9	10.0	19.3	30.0
Hexachlorobutadiene	Ave	0.8601	1.162		13.5	10.0	35.1*	30.0
Naphthalene	Ave	1.056	1.259		11.9	10.0	19.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6739		12.8	10.0	28.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.5994		10.7	10.0	7.4	30.0
Dichlorodifluoromethane	Ave	3.843	4.262		11.1	10.0	10.9	30.0
Freon 22	Ave	1.484	1.643		11.1	10.0	10.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	3.941		11.0	10.0	10.3	30.0
Chloromethane	Ave	0.6564	0.7291		11.1	10.0	11.1	30.0
n-Butane	Ave	1.106	1.173		10.6	10.0	6.1	30.0
Vinyl chloride	Ave	0.8572	0.9515		11.1	10.0	11.0	30.0
1,3-Butadiene	Ave	0.5445	0.6454		11.9	10.0	18.5	30.0
Bromomethane	Ave	0.9530	1.010		10.6	10.0	6.0	30.0
Chloroethane	Ave	0.4543	0.5477		12.1	10.0	20.6	30.0
Isopentane	Ave	0.8949	0.9897		11.1	10.0	10.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.493		11.4	10.0	13.8	30.0
Trichlorofluoromethane	Ave	4.110	4.555		11.1	10.0	10.8	30.0
n-Pentane	Ave	1.382	1.515		11.0	10.0	9.6	30.0
Ethanol	Ave	0.2834	0.3220		17.0	15.0	13.6	30.0
Ethyl ether	Ave	0.7213	0.7945		11.0	10.0	10.1	30.0
Acrolein	Ave	0.3355	0.3233		9.64	10.0	-3.6	30.0
Freon TF	Ave	2.653	3.208		12.1	10.0	20.9	30.0
1,1-Dichloroethene	Ave	1.216	1.513		12.4	10.0	24.5	30.0
Acetone	Ave	1.394	1.525		10.9	10.0	9.4	30.0
Carbon disulfide	Ave	3.166	3.611		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.089		11.0	10.0	10.2	30.0
3-Chloropropene	Ave	0.8611	1.023		11.9	10.0	18.9	30.0
Acetonitrile	Ave	0.4698	0.5076		10.8	10.0	8.1	30.0
Methylene Chloride	Ave	0.8253	1.044		12.6	10.0	26.5	30.0
tert-Butyl alcohol	Ave	1.929	2.078		10.8	10.0	7.7	30.0
Methyl tert-butyl ether	Ave	3.333	4.187		12.6	10.0	25.6	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.758		11.3	10.0	13.5	30.0
Acrylonitrile	Ave	0.5524	0.6698		12.1	10.0	21.3	30.0
n-Hexane	Ave	1.468	1.696		11.6	10.0	15.5	30.0
1,1-Dichloroethane	Ave	1.865	2.130		11.4	10.0	14.2	30.0
Vinyl acetate	Ave	1.986	2.177		11.0	10.0	9.6	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.527		11.7	10.0	17.2	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6144		11.0	10.0	10.2	30.0
Ethyl acetate	Ave	0.1187	0.1295		10.9	10.0	9.1	30.0
Tetrahydrofuran	Ave	0.1689	0.1907		11.3	10.0	12.9	30.0
Chloroform	Ave	2.820	3.124		11.1	10.0	10.8	30.0
Cyclohexane	Ave	0.3406	0.4008		11.8	10.0	17.6	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8095		12.0	10.0	19.6	30.0
Carbon tetrachloride	Ave	0.7161	0.8253		11.5	10.0	15.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.095		12.0	10.0	20.0	30.0
Benzene	Ave	0.7411	0.8408		11.3	10.0	13.4	30.0
1,2-Dichloroethane	Ave	0.3676	0.4232		11.5	10.0	15.1	30.0
n-Heptane	Ave	0.2843	0.3335		11.7	10.0	17.3	30.0
n-Butanol	Ave	0.0932	0.0939		10.1	10.0	0.7	30.0
Trichloroethene	Ave	0.3803	0.4322		11.4	10.0	13.6	30.0
1,2-Dichloropropane	Ave	0.2205	0.2488		11.3	10.0	12.8	30.0
Methyl methacrylate	Ave	0.2470	0.2844		11.5	10.0	15.2	30.0
1,4-Dioxane	Ave	0.1219	0.1249		10.2	10.0	2.5	30.0
Dibromomethane	Ave	0.4271	0.4797		11.2	10.0	12.3	30.0
Bromodichloromethane	Ave	0.6064	0.7269		12.0	10.0	19.9	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4579		11.8	10.0	18.2	30.0
methyl isobutyl ketone	Ave	0.3478	0.4278		12.3	10.0	23.0	30.0
n-Octane	Ave	0.3628	0.4369		12.0	10.0	20.4	30.0
Toluene	Ave	0.6538	0.6977		10.7	10.0	6.7	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5042		11.8	10.0	18.5	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3084		10.4	10.0	4.0	30.0
Tetrachloroethene	Ave	0.7581	0.7970		10.5	10.0	5.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.3924		11.0	10.0	9.9	30.0
Dibromochloromethane	Ave	0.7797	0.9039		11.6	10.0	15.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.6723		10.8	10.0	8.1	30.0
Chlorobenzene	Ave	1.001	1.033		10.3	10.0	3.2	30.0
Ethylbenzene	Ave	1.495	1.632		10.9	10.0	9.2	30.0
n-Nonane	Ave	0.4915	0.5572		11.3	10.0	13.4	30.0
m,p-Xylene	Ave	0.5882	0.6332		21.5	20.0	7.7	30.0
Xylene, o-	Ave	0.5805	0.6344		10.9	10.0	9.3	30.0
Styrene	Ave	0.8448	0.9694		11.5	10.0	14.8	30.0
Bromoform	Ave	0.7636	0.8991		11.8	10.0	17.7	30.0
Cumene	Ave	1.801	2.022		11.2	10.0	12.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.8065		10.4	10.0	3.6	30.0
n-Propylbenzene	Ave	1.991	2.263		11.4	10.0	13.7	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.6618		10.7	10.0	6.7	30.0
n-Decane	Ave	0.6662	0.7412		11.1	10.0	11.3	30.0
4-Ethyltoluene	Ave	1.862	2.134		11.5	10.0	14.6	30.0
2-Chlorotoluene	Ave	1.566	1.727		11.0	10.0	10.3	30.0
1,3,5-Trimethylbenzene	Ave	1.707	1.838		10.8	10.0	7.7	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9000		12.1	10.0	21.1	30.0
tert-Butylbenzene	Ave	1.704	1.855		10.9	10.0	8.9	30.0
1,2,4-Trimethylbenzene	Ave	1.645	1.781		10.8	10.0	8.2	30.0
sec-Butylbenzene	Ave	2.299	2.536		11.0	10.0	10.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.294		11.3	10.0	12.8	30.0
1,3-Dichlorobenzene	Ave	1.109	1.186		10.7	10.0	6.9	30.0
1,4-Dichlorobenzene	Ave	1.062	1.148		10.8	10.0	8.1	30.0
Benzyl chloride	Ave	0.9058	1.055		11.6	10.0	16.4	30.0
n-Undecane	Ave	0.6729	0.7738		11.5	10.0	15.0	30.0
n-Butylbenzene	Ave	1.440	1.646		11.4	10.0	14.3	30.0
1,2-Dichlorobenzene	Ave	1.085	1.129		10.4	10.0	4.1	30.0
n-Dodecane	Ave	0.4982	0.5718		11.5	10.0	14.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6117		10.8	10.0	7.9	30.0
Hexachlorobutadiene	Ave	0.8601	0.9242		10.7	10.0	7.4	30.0
Naphthalene	Ave	1.056	1.362		12.9	10.0	29.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6460		12.3	10.0	22.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.6141		11.0	10.0	10.1	30.0
Dichlorodifluoromethane	Ave	3.843	4.499		11.7	10.0	17.1	30.0
Freon 22	Ave	1.484	1.695		11.4	10.0	14.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	4.028		11.3	10.0	12.8	30.0
Chloromethane	Ave	0.6564	0.7330		11.2	10.0	11.7	30.0
n-Butane	Ave	1.106	1.241		11.2	10.0	12.2	30.0
Vinyl chloride	Ave	0.8572	0.996		11.6	10.0	16.2	30.0
1,3-Butadiene	Ave	0.5445	0.6435		11.8	10.0	18.2	30.0
Bromomethane	Ave	0.9530	1.018		10.7	10.0	6.8	30.0
Chloroethane	Ave	0.4543	0.5498		12.1	10.0	21.0	30.0
Isopentane	Ave	0.8949	0.9837		11.0	10.0	9.9	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.494		11.4	10.0	13.9	30.0
Trichlorofluoromethane	Ave	4.110	4.888		11.9	10.0	18.9	30.0
n-Pentane	Ave	1.382	1.552		11.2	10.0	12.3	30.0
Ethanol	Ave	0.2834	0.3311		17.5	15.0	16.8	30.0
Ethyl ether	Ave	0.7213	0.8131		11.3	10.0	12.7	30.0
Acrolein	Ave	0.3355	0.3583		10.7	10.0	6.8	30.0
Freon TF	Ave	2.653	3.072		11.6	10.0	15.8	30.0
1,1-Dichloroethene	Ave	1.216	1.382		11.4	10.0	13.7	30.0
Acetone	Ave	1.394	2.068		14.8	10.0	48.3*	30.0
Carbon disulfide	Ave	3.166	3.614		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.058		10.7	10.0	6.9	30.0
3-Chloropropene	Ave	0.8611	0.996		11.6	10.0	15.7	30.0
Acetonitrile	Ave	0.4698	0.5141		10.9	10.0	9.4	30.0
Methylene Chloride	Ave	0.8253	0.9911		12.0	10.0	20.1	30.0
tert-Butyl alcohol	Ave	1.929	2.038		10.6	10.0	5.7	30.0
Methyl tert-butyl ether	Ave	3.333	3.974		11.9	10.0	19.2	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.772		11.4	10.0	14.4	30.0
Acrylonitrile	Ave	0.5524	0.6559		11.9	10.0	18.7	30.0
n-Hexane	Ave	1.468	1.641		11.2	10.0	11.8	30.0
1,1-Dichloroethane	Ave	1.865	2.102		11.3	10.0	12.7	30.0
Vinyl acetate	Ave	1.986	2.154		10.8	10.0	8.5	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.494		11.5	10.0	14.6	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6539		11.7	10.0	17.3	30.0
Ethyl acetate	Ave	0.1187	0.1315		11.1	10.0	10.8	30.0
Tetrahydrofuran	Ave	0.1689	0.1945		11.5	10.0	15.1	30.0
Chloroform	Ave	2.820	3.258		11.5	10.0	15.5	30.0
Cyclohexane	Ave	0.3406	0.3978		11.7	10.0	16.8	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8371		12.4	10.0	23.7	30.0
Carbon tetrachloride	Ave	0.7161	0.9196		12.8	10.0	28.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.084		11.9	10.0	18.7	30.0
Benzene	Ave	0.7411	0.8715		11.8	10.0	17.6	30.0
1,2-Dichloroethane	Ave	0.3676	0.4393		11.9	10.0	19.5	30.0
n-Heptane	Ave	0.2843	0.3432		12.1	10.0	20.7	30.0
n-Butanol	Ave	0.0932	0.0964		10.3	10.0	3.4	30.0
Trichloroethene	Ave	0.3803	0.4652		12.2	10.0	22.3	30.0
1,2-Dichloropropane	Ave	0.2205	0.2637		12.0	10.0	19.6	30.0
Methyl methacrylate	Ave	0.2470	0.2965		12.0	10.0	20.0	30.0
1,4-Dioxane	Ave	0.1219	0.1411		11.6	10.0	15.7	30.0
Dibromomethane	Ave	0.4271	0.5380		12.6	10.0	26.0	30.0
Bromodichloromethane	Ave	0.6064	0.7663		12.6	10.0	26.4	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4837		12.5	10.0	24.9	30.0
methyl isobutyl ketone	Ave	0.3478	0.4499		12.9	10.0	29.4	30.0
n-Octane	Ave	0.3628	0.4611		12.7	10.0	27.1	30.0
Toluene	Ave	0.6538	0.7458		11.4	10.0	14.1	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5536		13.0	10.0	30.1*	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3575		12.1	10.0	20.6	30.0
Tetrachloroethene	Ave	0.7581	0.9127		12.0	10.0	20.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.4413		12.4	10.0	23.5	30.0
Dibromochloromethane	Ave	0.7797	1.005		12.9	10.0	28.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.7571		12.2	10.0	21.7	30.0
Chlorobenzene	Ave	1.001	1.158		11.6	10.0	15.7	30.0
Ethylbenzene	Ave	1.495	1.782		11.9	10.0	19.3	30.0
n-Nonane	Ave	0.4915	0.6009		12.2	10.0	22.2	30.0
m,p-Xylene	Ave	0.5882	0.7021		23.9	20.0	19.4	30.0
Xylene, o-	Ave	0.5805	0.7106		12.2	10.0	22.4	30.0
Styrene	Ave	0.8448	1.043		12.3	10.0	23.5	30.0
Bromoform	Ave	0.7636	1.050		13.7	10.0	37.4*	30.0
Cumene	Ave	1.801	2.240		12.4	10.0	24.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.9781		12.6	10.0	25.6	30.0
n-Propylbenzene	Ave	1.991	2.571		12.9	10.0	29.1	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.7702		12.4	10.0	24.2	30.0
n-Decane	Ave	0.6662	0.8387		12.6	10.0	25.9	30.0
4-Ethyltoluene	Ave	1.862	2.401		12.9	10.0	28.9	30.0
2-Chlorotoluene	Ave	1.566	1.985		12.7	10.0	26.8	30.0
1,3,5-Trimethylbenzene	Ave	1.707	2.148		12.6	10.0	25.9	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9423		12.7	10.0	26.8	30.0
tert-Butylbenzene	Ave	1.704	2.127		12.5	10.0	24.8	30.0
1,2,4-Trimethylbenzene	Ave	1.645	2.120		12.9	10.0	28.8	30.0
sec-Butylbenzene	Ave	2.299	2.914		12.7	10.0	26.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.628		12.9	10.0	29.3	30.0
1,3-Dichlorobenzene	Ave	1.109	1.461		13.2	10.0	31.7*	30.0
1,4-Dichlorobenzene	Ave	1.062	1.420		13.4	10.0	33.8*	30.0
Benzyl chloride	Ave	0.9058	1.363		15.0	10.0	50.5*	30.0
n-Undecane	Ave	0.6729	0.8599		12.8	10.0	27.8	30.0
n-Butylbenzene	Ave	1.440	1.905		13.2	10.0	32.2*	30.0
1,2-Dichlorobenzene	Ave	1.085	1.436		13.2	10.0	32.3*	30.0
n-Dodecane	Ave	0.4982	0.5920		11.9	10.0	18.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6763		11.9	10.0	19.3	30.0
Hexachlorobutadiene	Ave	0.8601	1.162		13.5	10.0	35.1*	30.0
Naphthalene	Ave	1.056	1.259		11.9	10.0	19.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6739		12.8	10.0	28.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.5994		10.7	10.0	7.4	30.0
Dichlorodifluoromethane	Ave	3.843	4.262		11.1	10.0	10.9	30.0
Freon 22	Ave	1.484	1.643		11.1	10.0	10.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	3.941		11.0	10.0	10.3	30.0
Chloromethane	Ave	0.6564	0.7291		11.1	10.0	11.1	30.0
n-Butane	Ave	1.106	1.173		10.6	10.0	6.1	30.0
Vinyl chloride	Ave	0.8572	0.9515		11.1	10.0	11.0	30.0
1,3-Butadiene	Ave	0.5445	0.6454		11.9	10.0	18.5	30.0
Bromomethane	Ave	0.9530	1.010		10.6	10.0	6.0	30.0
Chloroethane	Ave	0.4543	0.5477		12.1	10.0	20.6	30.0
Isopentane	Ave	0.8949	0.9897		11.1	10.0	10.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.493		11.4	10.0	13.8	30.0
Trichlorofluoromethane	Ave	4.110	4.555		11.1	10.0	10.8	30.0
n-Pentane	Ave	1.382	1.515		11.0	10.0	9.6	30.0
Ethanol	Ave	0.2834	0.3220		17.0	15.0	13.6	30.0
Ethyl ether	Ave	0.7213	0.7945		11.0	10.0	10.1	30.0
Acrolein	Ave	0.3355	0.3233		9.64	10.0	-3.6	30.0
Freon TF	Ave	2.653	3.208		12.1	10.0	20.9	30.0
1,1-Dichloroethene	Ave	1.216	1.513		12.4	10.0	24.5	30.0
Acetone	Ave	1.394	1.525		10.9	10.0	9.4	30.0
Carbon disulfide	Ave	3.166	3.611		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.089		11.0	10.0	10.2	30.0
3-Chloropropene	Ave	0.8611	1.023		11.9	10.0	18.9	30.0
Acetonitrile	Ave	0.4698	0.5076		10.8	10.0	8.1	30.0
Methylene Chloride	Ave	0.8253	1.044		12.6	10.0	26.5	30.0
tert-Butyl alcohol	Ave	1.929	2.078		10.8	10.0	7.7	30.0
Methyl tert-butyl ether	Ave	3.333	4.187		12.6	10.0	25.6	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.758		11.3	10.0	13.5	30.0
Acrylonitrile	Ave	0.5524	0.6698		12.1	10.0	21.3	30.0
n-Hexane	Ave	1.468	1.696		11.6	10.0	15.5	30.0
1,1-Dichloroethane	Ave	1.865	2.130		11.4	10.0	14.2	30.0
Vinyl acetate	Ave	1.986	2.177		11.0	10.0	9.6	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.527		11.7	10.0	17.2	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6144		11.0	10.0	10.2	30.0
Ethyl acetate	Ave	0.1187	0.1295		10.9	10.0	9.1	30.0
Tetrahydrofuran	Ave	0.1689	0.1907		11.3	10.0	12.9	30.0
Chloroform	Ave	2.820	3.124		11.1	10.0	10.8	30.0
Cyclohexane	Ave	0.3406	0.4008		11.8	10.0	17.6	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8095		12.0	10.0	19.6	30.0
Carbon tetrachloride	Ave	0.7161	0.8253		11.5	10.0	15.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.095		12.0	10.0	20.0	30.0
Benzene	Ave	0.7411	0.8408		11.3	10.0	13.4	30.0
1,2-Dichloroethane	Ave	0.3676	0.4232		11.5	10.0	15.1	30.0
n-Heptane	Ave	0.2843	0.3335		11.7	10.0	17.3	30.0
n-Butanol	Ave	0.0932	0.0939		10.1	10.0	0.7	30.0
Trichloroethene	Ave	0.3803	0.4322		11.4	10.0	13.6	30.0
1,2-Dichloropropane	Ave	0.2205	0.2488		11.3	10.0	12.8	30.0
Methyl methacrylate	Ave	0.2470	0.2844		11.5	10.0	15.2	30.0
1,4-Dioxane	Ave	0.1219	0.1249		10.2	10.0	2.5	30.0
Dibromomethane	Ave	0.4271	0.4797		11.2	10.0	12.3	30.0
Bromodichloromethane	Ave	0.6064	0.7269		12.0	10.0	19.9	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4579		11.8	10.0	18.2	30.0
methyl isobutyl ketone	Ave	0.3478	0.4278		12.3	10.0	23.0	30.0
n-Octane	Ave	0.3628	0.4369		12.0	10.0	20.4	30.0
Toluene	Ave	0.6538	0.6977		10.7	10.0	6.7	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5042		11.8	10.0	18.5	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3084		10.4	10.0	4.0	30.0
Tetrachloroethene	Ave	0.7581	0.7970		10.5	10.0	5.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.3924		11.0	10.0	9.9	30.0
Dibromochloromethane	Ave	0.7797	0.9039		11.6	10.0	15.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.6723		10.8	10.0	8.1	30.0
Chlorobenzene	Ave	1.001	1.033		10.3	10.0	3.2	30.0
Ethylbenzene	Ave	1.495	1.632		10.9	10.0	9.2	30.0
n-Nonane	Ave	0.4915	0.5572		11.3	10.0	13.4	30.0
m,p-Xylene	Ave	0.5882	0.6332		21.5	20.0	7.7	30.0
Xylene, o-	Ave	0.5805	0.6344		10.9	10.0	9.3	30.0
Styrene	Ave	0.8448	0.9694		11.5	10.0	14.8	30.0
Bromoform	Ave	0.7636	0.8991		11.8	10.0	17.7	30.0
Cumene	Ave	1.801	2.022		11.2	10.0	12.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.8065		10.4	10.0	3.6	30.0
n-Propylbenzene	Ave	1.991	2.263		11.4	10.0	13.7	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.6618		10.7	10.0	6.7	30.0
n-Decane	Ave	0.6662	0.7412		11.1	10.0	11.3	30.0
4-Ethyltoluene	Ave	1.862	2.134		11.5	10.0	14.6	30.0
2-Chlorotoluene	Ave	1.566	1.727		11.0	10.0	10.3	30.0
1,3,5-Trimethylbenzene	Ave	1.707	1.838		10.8	10.0	7.7	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9000		12.1	10.0	21.1	30.0
tert-Butylbenzene	Ave	1.704	1.855		10.9	10.0	8.9	30.0
1,2,4-Trimethylbenzene	Ave	1.645	1.781		10.8	10.0	8.2	30.0
sec-Butylbenzene	Ave	2.299	2.536		11.0	10.0	10.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.294		11.3	10.0	12.8	30.0
1,3-Dichlorobenzene	Ave	1.109	1.186		10.7	10.0	6.9	30.0
1,4-Dichlorobenzene	Ave	1.062	1.148		10.8	10.0	8.1	30.0
Benzyl chloride	Ave	0.9058	1.055		11.6	10.0	16.4	30.0
n-Undecane	Ave	0.6729	0.7738		11.5	10.0	15.0	30.0
n-Butylbenzene	Ave	1.440	1.646		11.4	10.0	14.3	30.0
1,2-Dichlorobenzene	Ave	1.085	1.129		10.4	10.0	4.1	30.0
n-Dodecane	Ave	0.4982	0.5718		11.5	10.0	14.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6117		10.8	10.0	7.9	30.0
Hexachlorobutadiene	Ave	0.8601	0.9242		10.7	10.0	7.4	30.0
Naphthalene	Ave	1.056	1.362		12.9	10.0	29.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6460		12.3	10.0	22.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.6141		11.0	10.0	10.1	30.0
Dichlorodifluoromethane	Ave	3.843	4.499		11.7	10.0	17.1	30.0
Freon 22	Ave	1.484	1.695		11.4	10.0	14.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	4.028		11.3	10.0	12.8	30.0
Chloromethane	Ave	0.6564	0.7330		11.2	10.0	11.7	30.0
n-Butane	Ave	1.106	1.241		11.2	10.0	12.2	30.0
Vinyl chloride	Ave	0.8572	0.996		11.6	10.0	16.2	30.0
1,3-Butadiene	Ave	0.5445	0.6435		11.8	10.0	18.2	30.0
Bromomethane	Ave	0.9530	1.018		10.7	10.0	6.8	30.0
Chloroethane	Ave	0.4543	0.5498		12.1	10.0	21.0	30.0
Isopentane	Ave	0.8949	0.9837		11.0	10.0	9.9	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.494		11.4	10.0	13.9	30.0
Trichlorofluoromethane	Ave	4.110	4.888		11.9	10.0	18.9	30.0
n-Pentane	Ave	1.382	1.552		11.2	10.0	12.3	30.0
Ethanol	Ave	0.2834	0.3311		17.5	15.0	16.8	30.0
Ethyl ether	Ave	0.7213	0.8131		11.3	10.0	12.7	30.0
Acrolein	Ave	0.3355	0.3583		10.7	10.0	6.8	30.0
Freon TF	Ave	2.653	3.072		11.6	10.0	15.8	30.0
1,1-Dichloroethene	Ave	1.216	1.382		11.4	10.0	13.7	30.0
Acetone	Ave	1.394	2.068		14.8	10.0	48.3*	30.0
Carbon disulfide	Ave	3.166	3.614		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.058		10.7	10.0	6.9	30.0
3-Chloropropene	Ave	0.8611	0.996		11.6	10.0	15.7	30.0
Acetonitrile	Ave	0.4698	0.5141		10.9	10.0	9.4	30.0
Methylene Chloride	Ave	0.8253	0.9911		12.0	10.0	20.1	30.0
tert-Butyl alcohol	Ave	1.929	2.038		10.6	10.0	5.7	30.0
Methyl tert-butyl ether	Ave	3.333	3.974		11.9	10.0	19.2	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.772		11.4	10.0	14.4	30.0
Acrylonitrile	Ave	0.5524	0.6559		11.9	10.0	18.7	30.0
n-Hexane	Ave	1.468	1.641		11.2	10.0	11.8	30.0
1,1-Dichloroethane	Ave	1.865	2.102		11.3	10.0	12.7	30.0
Vinyl acetate	Ave	1.986	2.154		10.8	10.0	8.5	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.494		11.5	10.0	14.6	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6539		11.7	10.0	17.3	30.0
Ethyl acetate	Ave	0.1187	0.1315		11.1	10.0	10.8	30.0
Tetrahydrofuran	Ave	0.1689	0.1945		11.5	10.0	15.1	30.0
Chloroform	Ave	2.820	3.258		11.5	10.0	15.5	30.0
Cyclohexane	Ave	0.3406	0.3978		11.7	10.0	16.8	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8371		12.4	10.0	23.7	30.0
Carbon tetrachloride	Ave	0.7161	0.9196		12.8	10.0	28.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.084		11.9	10.0	18.7	30.0
Benzene	Ave	0.7411	0.8715		11.8	10.0	17.6	30.0
1,2-Dichloroethane	Ave	0.3676	0.4393		11.9	10.0	19.5	30.0
n-Heptane	Ave	0.2843	0.3432		12.1	10.0	20.7	30.0
n-Butanol	Ave	0.0932	0.0964		10.3	10.0	3.4	30.0
Trichloroethene	Ave	0.3803	0.4652		12.2	10.0	22.3	30.0
1,2-Dichloropropane	Ave	0.2205	0.2637		12.0	10.0	19.6	30.0
Methyl methacrylate	Ave	0.2470	0.2965		12.0	10.0	20.0	30.0
1,4-Dioxane	Ave	0.1219	0.1411		11.6	10.0	15.7	30.0
Dibromomethane	Ave	0.4271	0.5380		12.6	10.0	26.0	30.0
Bromodichloromethane	Ave	0.6064	0.7663		12.6	10.0	26.4	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4837		12.5	10.0	24.9	30.0
methyl isobutyl ketone	Ave	0.3478	0.4499		12.9	10.0	29.4	30.0
n-Octane	Ave	0.3628	0.4611		12.7	10.0	27.1	30.0
Toluene	Ave	0.6538	0.7458		11.4	10.0	14.1	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5536		13.0	10.0	30.1*	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3575		12.1	10.0	20.6	30.0
Tetrachloroethene	Ave	0.7581	0.9127		12.0	10.0	20.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.4413		12.4	10.0	23.5	30.0
Dibromochloromethane	Ave	0.7797	1.005		12.9	10.0	28.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.7571		12.2	10.0	21.7	30.0
Chlorobenzene	Ave	1.001	1.158		11.6	10.0	15.7	30.0
Ethylbenzene	Ave	1.495	1.782		11.9	10.0	19.3	30.0
n-Nonane	Ave	0.4915	0.6009		12.2	10.0	22.2	30.0
m,p-Xylene	Ave	0.5882	0.7021		23.9	20.0	19.4	30.0
Xylene, o-	Ave	0.5805	0.7106		12.2	10.0	22.4	30.0
Styrene	Ave	0.8448	1.043		12.3	10.0	23.5	30.0
Bromoform	Ave	0.7636	1.050		13.7	10.0	37.4*	30.0
Cumene	Ave	1.801	2.240		12.4	10.0	24.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.9781		12.6	10.0	25.6	30.0
n-Propylbenzene	Ave	1.991	2.571		12.9	10.0	29.1	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.7702		12.4	10.0	24.2	30.0
n-Decane	Ave	0.6662	0.8387		12.6	10.0	25.9	30.0
4-Ethyltoluene	Ave	1.862	2.401		12.9	10.0	28.9	30.0
2-Chlorotoluene	Ave	1.566	1.985		12.7	10.0	26.8	30.0
1,3,5-Trimethylbenzene	Ave	1.707	2.148		12.6	10.0	25.9	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9423		12.7	10.0	26.8	30.0
tert-Butylbenzene	Ave	1.704	2.127		12.5	10.0	24.8	30.0
1,2,4-Trimethylbenzene	Ave	1.645	2.120		12.9	10.0	28.8	30.0
sec-Butylbenzene	Ave	2.299	2.914		12.7	10.0	26.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.628		12.9	10.0	29.3	30.0
1,3-Dichlorobenzene	Ave	1.109	1.461		13.2	10.0	31.7*	30.0
1,4-Dichlorobenzene	Ave	1.062	1.420		13.4	10.0	33.8*	30.0
Benzyl chloride	Ave	0.9058	1.363		15.0	10.0	50.5*	30.0
n-Undecane	Ave	0.6729	0.8599		12.8	10.0	27.8	30.0
n-Butylbenzene	Ave	1.440	1.905		13.2	10.0	32.2*	30.0
1,2-Dichlorobenzene	Ave	1.085	1.436		13.2	10.0	32.3*	30.0
n-Dodecane	Ave	0.4982	0.5920		11.9	10.0	18.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6763		11.9	10.0	19.3	30.0
Hexachlorobutadiene	Ave	0.8601	1.162		13.5	10.0	35.1*	30.0
Naphthalene	Ave	1.056	1.259		11.9	10.0	19.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6739		12.8	10.0	28.1	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Instrument ID: CHW.i Start Date: 12/12/2013 15:40

Analysis Batch Number: 65929 End Date: 12/13/2013 04:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-65929/1		12/12/2013 15:40	1	wak001.d	RTX-624 0.32(mm)
VIBLK 200-65929/2		12/12/2013 16:35	1		RTX-624 0.32(mm)
VIBLK 200-65929/3		12/12/2013 17:24	1		RTX-624 0.32(mm)
IC 200-65929/4		12/12/2013 18:12	1	wak004.d	RTX-624 0.32(mm)
IC 200-65929/5		12/12/2013 19:03	1	wak005.d	RTX-624 0.32(mm)
IC 200-65929/6		12/12/2013 19:52	1	wak006.d	RTX-624 0.32(mm)
IC 200-65929/7		12/12/2013 20:40	1	wak007.d	RTX-624 0.32(mm)
ICIS 200-65929/8		12/12/2013 21:29	1	wak008.d	RTX-624 0.32(mm)
IC 200-65929/9		12/12/2013 22:18	1	wak009.d	RTX-624 0.32(mm)
IC 200-65929/10		12/12/2013 23:07	1	wak010.d	RTX-624 0.32(mm)
IC 200-65929/11		12/12/2013 23:57	1	wak011.d	RTX-624 0.32(mm)
VIBLK 200-65929/12		12/13/2013 00:46	1		RTX-624 0.32(mm)
VIBLK 200-65929/13		12/13/2013 01:36	1		RTX-624 0.32(mm)
ICV 200-65929/14		12/13/2013 02:26	1	wak014.d	RTX-624 0.32(mm)
ZZZZZ		12/13/2013 03:16	1		RTX-624 0.32(mm)
VIBLK 200-65929/16		12/13/2013 04:06	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Instrument ID: CHW.i Start Date: 02/05/2014 11:05

Analysis Batch Number: 67984 End Date: 02/06/2014 10:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-67984/1		02/05/2014 11:05	1	5988_001.d	RTX-624 0.32(mm)
CCVIS 200-67984/2		02/05/2014 11:56	1	5988_002.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 12:52	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 13:56	1		RTX-624 0.32(mm)
LCS 200-67984/25		02/05/2014 14:47	1	5988_025.d	RTX-624 0.32(mm)
MB 200-67984/26		02/05/2014 15:38	1	5988_026.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 16:44	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 17:53	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 19:00	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 20:06	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 20:54	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 21:43	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 22:31	2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 23:37	0.2		RTX-624 0.32(mm)
200-20735-6	5634	02/06/2014 08:58	0.2	5988_013.d	RTX-624 0.32(mm)
ZZZZZ		02/06/2014 10:05	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Instrument ID: CHW.i Start Date: 12/12/2013 15:40

Analysis Batch Number: 65929 End Date: 12/13/2013 04:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-65929/1		12/12/2013 15:40	1	wak001.d	RTX-624 0.32(mm)
VIBLK 200-65929/2		12/12/2013 16:35	1		RTX-624 0.32(mm)
VIBLK 200-65929/3		12/12/2013 17:24	1		RTX-624 0.32(mm)
IC 200-65929/4		12/12/2013 18:12	1	wak004.d	RTX-624 0.32(mm)
IC 200-65929/5		12/12/2013 19:03	1	wak005.d	RTX-624 0.32(mm)
IC 200-65929/6		12/12/2013 19:52	1	wak006.d	RTX-624 0.32(mm)
IC 200-65929/7		12/12/2013 20:40	1	wak007.d	RTX-624 0.32(mm)
ICIS 200-65929/8		12/12/2013 21:29	1	wak008.d	RTX-624 0.32(mm)
IC 200-65929/9		12/12/2013 22:18	1	wak009.d	RTX-624 0.32(mm)
IC 200-65929/10		12/12/2013 23:07	1	wak010.d	RTX-624 0.32(mm)
IC 200-65929/11		12/12/2013 23:57	1	wak011.d	RTX-624 0.32(mm)
VIBLK 200-65929/12		12/13/2013 00:46	1		RTX-624 0.32(mm)
VIBLK 200-65929/13		12/13/2013 01:36	1		RTX-624 0.32(mm)
ICV 200-65929/14		12/13/2013 02:26	1	wak014.d	RTX-624 0.32(mm)
ZZZZZ		12/13/2013 03:16	1		RTX-624 0.32(mm)
VIBLK 200-65929/16		12/13/2013 04:06	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Instrument ID: CHW.i Start Date: 02/05/2014 11:05

Analysis Batch Number: 67984 End Date: 02/06/2014 10:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-67984/1		02/05/2014 11:05	1	5988_001.d	RTX-624 0.32(mm)
CCVIS 200-67984/2		02/05/2014 11:56	1	5988_002.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 12:52	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 13:56	1		RTX-624 0.32(mm)
LCS 200-67984/25		02/05/2014 14:47	1	5988_025.d	RTX-624 0.32(mm)
MB 200-67984/26		02/05/2014 15:38	1	5988_026.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 16:44	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 17:53	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 19:00	0.2		RTX-624 0.32(mm)
200-20762-12	3217	02/05/2014 20:06	0.2	5988_008.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 20:54	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 21:43	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 22:31	2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 23:37	0.2		RTX-624 0.32(mm)
ZZZZZ		02/06/2014 08:58	0.2		RTX-624 0.32(mm)
ZZZZZ		02/06/2014 10:05	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Instrument ID: CHW.i Start Date: 12/12/2013 15:40

Analysis Batch Number: 65929 End Date: 12/13/2013 04:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-65929/1		12/12/2013 15:40	1	wak001.d	RTX-624 0.32(mm)
VIBLK 200-65929/2		12/12/2013 16:35	1		RTX-624 0.32(mm)
VIBLK 200-65929/3		12/12/2013 17:24	1		RTX-624 0.32(mm)
IC 200-65929/4		12/12/2013 18:12	1	wak004.d	RTX-624 0.32(mm)
IC 200-65929/5		12/12/2013 19:03	1	wak005.d	RTX-624 0.32(mm)
IC 200-65929/6		12/12/2013 19:52	1	wak006.d	RTX-624 0.32(mm)
IC 200-65929/7		12/12/2013 20:40	1	wak007.d	RTX-624 0.32(mm)
ICIS 200-65929/8		12/12/2013 21:29	1	wak008.d	RTX-624 0.32(mm)
IC 200-65929/9		12/12/2013 22:18	1	wak009.d	RTX-624 0.32(mm)
IC 200-65929/10		12/12/2013 23:07	1	wak010.d	RTX-624 0.32(mm)
IC 200-65929/11		12/12/2013 23:57	1	wak011.d	RTX-624 0.32(mm)
VIBLK 200-65929/12		12/13/2013 00:46	1		RTX-624 0.32(mm)
VIBLK 200-65929/13		12/13/2013 01:36	1		RTX-624 0.32(mm)
ICV 200-65929/14		12/13/2013 02:26	1	wak014.d	RTX-624 0.32(mm)
ZZZZZ		12/13/2013 03:16	1		RTX-624 0.32(mm)
VIBLK 200-65929/16		12/13/2013 04:06	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Instrument ID: CHW.i Start Date: 02/05/2014 11:05

Analysis Batch Number: 67984 End Date: 02/06/2014 10:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-67984/1		02/05/2014 11:05	1	5988_001.d	RTX-624 0.32(mm)
CCVIS 200-67984/2		02/05/2014 11:56	1	5988_002.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 12:52	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 13:56	1		RTX-624 0.32(mm)
LCS 200-67984/25		02/05/2014 14:47	1	5988_025.d	RTX-624 0.32(mm)
MB 200-67984/26		02/05/2014 15:38	1	5988_026.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 16:44	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 17:53	0.2		RTX-624 0.32(mm)
200-20763-7	2631	02/05/2014 19:00	0.2	5988_007.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 20:06	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 20:54	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 21:43	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 22:31	2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 23:37	0.2		RTX-624 0.32(mm)
ZZZZZ		02/06/2014 08:58	0.2		RTX-624 0.32(mm)
ZZZZZ		02/06/2014 10:05	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Instrument ID: CHW.i Start Date: 12/12/2013 15:40

Analysis Batch Number: 65929 End Date: 12/13/2013 04:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-65929/1		12/12/2013 15:40	1	wak001.d	RTX-624 0.32(mm)
VIBLK 200-65929/2		12/12/2013 16:35	1		RTX-624 0.32(mm)
VIBLK 200-65929/3		12/12/2013 17:24	1		RTX-624 0.32(mm)
IC 200-65929/4		12/12/2013 18:12	1	wak004.d	RTX-624 0.32(mm)
IC 200-65929/5		12/12/2013 19:03	1	wak005.d	RTX-624 0.32(mm)
IC 200-65929/6		12/12/2013 19:52	1	wak006.d	RTX-624 0.32(mm)
IC 200-65929/7		12/12/2013 20:40	1	wak007.d	RTX-624 0.32(mm)
ICIS 200-65929/8		12/12/2013 21:29	1	wak008.d	RTX-624 0.32(mm)
IC 200-65929/9		12/12/2013 22:18	1	wak009.d	RTX-624 0.32(mm)
IC 200-65929/10		12/12/2013 23:07	1	wak010.d	RTX-624 0.32(mm)
IC 200-65929/11		12/12/2013 23:57	1	wak011.d	RTX-624 0.32(mm)
VIBLK 200-65929/12		12/13/2013 00:46	1		RTX-624 0.32(mm)
VIBLK 200-65929/13		12/13/2013 01:36	1		RTX-624 0.32(mm)
ICV 200-65929/14		12/13/2013 02:26	1	wak014.d	RTX-624 0.32(mm)
ZZZZZ		12/13/2013 03:16	1		RTX-624 0.32(mm)
VIBLK 200-65929/16		12/13/2013 04:06	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Instrument ID: CHW.i Start Date: 02/05/2014 11:05

Analysis Batch Number: 67984 End Date: 02/06/2014 10:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-67984/1		02/05/2014 11:05	1	5988_001.d	RTX-624 0.32(mm)
CCVIS 200-67984/2		02/05/2014 11:56	1	5988_002.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 12:52	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 13:56	1		RTX-624 0.32(mm)
LCS 200-67984/25		02/05/2014 14:47	1	5988_025.d	RTX-624 0.32(mm)
MB 200-67984/26		02/05/2014 15:38	1	5988_026.d	RTX-624 0.32(mm)
200-20780-8	2523	02/05/2014 16:44	0.2	5988_005.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 17:53	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 19:00	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 20:06	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 20:54	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 21:43	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 22:31	2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 23:37	0.2		RTX-624 0.32(mm)
ZZZZZ		02/06/2014 08:58	0.2		RTX-624 0.32(mm)
ZZZZZ		02/06/2014 10:05	0.2		RTX-624 0.32(mm)

Shipping and Receiving Documents

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Jeff Bonstleel	Samples Collected By: KB/DZ	1 of 6 COCs
Company: Arcadis	Phone: 267-685-1674		
Address: 10 Friends Lane Suite 200	Email: Jeffrey.Bonstleel@Arcadis-US.com		
City/State/Zip Newtown PA 18940			
Phone: 267-685-1674	Site Contact: D. Zuck		
FAX: 267-685-1601	TA Contact: Don Dwinell		
Project Name: LMC Utica	**Analysis Turnaround Time**		
Site: Utica NY	Standard (Specify) 7wk		
PO # NT001050	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
IA-VMP-1B	2/12/14	09:36	1905	-30	-14.5	09703 ~~3011~~ 1B	4442	X							X				
SS-VMP-1B		09:36	1715	-29	-5	09709	3011	X									X		
IA-VMP-2B		0922	1724	-30	-7.5	10239	2956	X							X				
SS-VMP-2B		0921	1721	-30	-5.2	09702	4343	X									X		
IA-VMP-2C		0925	1727	-30	-7.5	4532	4800	X							X				
SS-VMP-2C		0924	1727	-30	-6	10630	4441	X									X		

Temperature (Fahrenheit)		
	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)		
	Interior	Ambient
Start		
Stop		

200-20955 Chain of Custody

Special Instructions/QC Requirements & Comments:
Note: All FA + DUP IA should Be under Sample Data Group #1 (SDG-1)
All SS + DUP SS should Be under Sample Data Group #2 (SDG-2)

Samples Shipped by: Dan Zuck	Date/Time: 2/13/14 1100	Samples Received by: 2/14/14 1320 Steph Bouchie JABIR
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Page 1 of 6	Samples Collected By: KB/DZ	2 of 6 COCs
Company: Arad's Lee	Phone:		
Address:	Email:		
City/State/Zip			
Phone:	Site Contact:		
FAX:	TA Contact:		
Project Name: LMC Utica	**Analysis Turnaround Time**		
Site: Utica NY	Standard (Specify) 2wks		
PO # NJ001050	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
IA-VMP-3A	2/12/14	0905	1702	-30	-6.5	10877	5148	X							X				
SS-VMP-3A		0902	1703	-30	-12.5	4205	5039	X									X		
IA-VMP-3B		0924	1722	-30	-6	5232	5050	X							X				
SS-VMP-3B		0923	1725	-30	-22.5	5203	5628	X									X		
IA-VMP-3D		0930	1632	-31	-5	90660	2786	X							X				
SS-VMP-3D	↓	0930	1732	-30	-6.5	10660	2639	X									X		

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Page 1 of 6

Samples Shipped by:	Date/Time: 2/13/14 1100	Samples Received by: 2/14/14 1320
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

Page 1226 of 1239

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Page #1 of 6	Samples Collected By: KB/DE	3 of 6 COCs
Company: Arcadis	Phone:		
Address:	Email:		
City/State/Zip			
Phone:	Site Contact:		
FAX:	TA Contact:		
Project Name: LMC Utica	**Analysis Turnaround Time**		
Site: Utica NY	Standard (Specify) 2wk		
PO # NJOO1050	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
IA-VMP-5B	2/12/14	0910	1714	-31	-14	5168	5618	X							X				
SS-VMP-5B		0910	1713	-30	-21	09708	5104	X								X			
IA-VMP-6A		0859	1652	-30	-6	10056	4150	X							X				
SS-VMP-6A		0857	1632	-30	-6	10654	3459	X								X			
IA-VMP-6B		0906	1708	-29	-6	3736	5160	X							X				
SS-VMP-6B	↓	0907	1707	-30+	-11	5182	2712	X								X			

Temperature (Fahrenheit)		
	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)		
	Interior	Ambient
Start		
Stop		

Special Instructions/QC Requirements & Comments:
See Page # 1 of 6

Samples Shipped by:	Date/Time: 2/13/14 1100	Samples Received by:	2/14/14 1320
Samples Relinquished by:	Date/Time:	Received by:	
Relinquished by:	Date/Time:	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Jeff Bomstel	Samples Collected By: KB/DZ	4 of 6 COCs
Company: Arcadis	Phone:		
Address: See Page # 1 of 6	Email:		
City/State/Zip:			
Phone:	Site Contact:		
FAX:	TA Contact:		
Project Name: LMC Utica	**Analysis Turnaround Time**		
Site: Utica NY	Standard (Specify) 2 wk		
PO # NJ001050	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
IA - VMP - 3E	2/12/14	0937	1640	-29.5	-6	3123	4550	X							X				
SS - VMP - 3E	↓	0936	1740	-30	-6.5	10587	5615	X								X			
IA - VMP - 4		0930	1730	-30	-7.8	3695	5610	X							X	X			
SS - VMP - 4		0931	1641	-29	-6	10659	5081	X								X			
IA - VMP - 5A		0855	1655	-28.5	-5.5	10240	4282	X							X				
SS - VMP - 5A		0855	1655	-30	-6	10053	5607	X								X			

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

See page # 1 of 6

Samples Shipped by:	Date/Time: 2/13/14 1100	Samples Received by:	2.14.14 1320
Samples Relinquished by:	Date/Time:	Received by:	
Relinquished by:	Date/Time:	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Jeff Bonstead	**Samples Collected By:** KB/DZ	5 of 6 COCs
Company: Arcadis	Phone:		
Address:	Email:		
City/State/Zip: See Page #1 of 6			
Phone:	Site Contact:		
FAX:	TA Contact:		
Project Name: LMC Utica	**Analysis Turnaround Time**		
Site: Utica NY	Standard (Specify) 2 WK		
PO # NJ001050	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
~~IA-VMP-7~~ [SS-VMP-7]	2/12/14	0901	1701	-30	-6.9	4056	5083	X									X		
IA-VMP-7	↓	0854	1815	-28	-14.9	3118	3136	X							X				
IA-VMP-7A	↓	1120	1907	-29	-5	4030	4016	X							X				
SS-VMP-7A	↓	0853	1806	-30	-26	09912	4488	X									X		
IA-VMP-8D	↓	0914	1634	-30	-6	10617	5612	X							X				
SS-Dup-021214	2/12/14	—	—	-30	-20	—	3087	X									X		

Temperature (Fahrenheit)

	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)

	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

See page # 1 of 6

Samples Shipped by: [signature]	Date/Time: 2/13/14 1100	Samples Received by: 2/14/14 1320 Aleph Bouche [signature]
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Jeff Bousted	Samples Collected By: KB/DE	0 of 6 COCs
Company: Arcadis	Phone:		
Address: See Page # 1 of 6	Email:		
City/State/Zip	Site Contact:		
Phone:	TA Contact:		
FAX:			
Project Name: LMC Utica	**Analysis Turnaround Time**		
Site: Utica, NY	Standard (Specify) 2 week		
PO # NJ00010 50	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
IA-DUP-021214	2/12/14	—	—	-30	-14.5	—	3233	X							X				

Temperature (Fahrenheit)			
	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)			
	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments: See Page # 1 of 6

Samples Shipped by:	Date/Time: 2/13/14 1100	Samples Received by: 2/14/14 1200
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**



ORIGIN ID:BTV (518) 250-7387
KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD
UTICA, NY 13502
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 5.0 LB MAN
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN
BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058
INV:
PO: REF:
DEPT:

FedEx Express

TRK# 0221 5039 4703 0590

RETURNS MON-FRI
PRIORITY OVERNIGHT

FRI - 14 FEB 10:30A
PRIORITY OVERNIGHT

5039 4703 0590

EK BTVA

05403
VT-US
BTV

FID 772466 13FEB14 UCAA 51AC1/562F/65DD

ORIGIN ID:BTVA (802) 923-1058
SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON, VT 05403
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 34.4 LB
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN
BILL SENDER

TO KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA NY 13502
(518) 250-7387
REF: S200-9953

FedEx Express

8 of 10
MPS# 0263 5039 4703 0568
Mstr# 5039 4703 0498

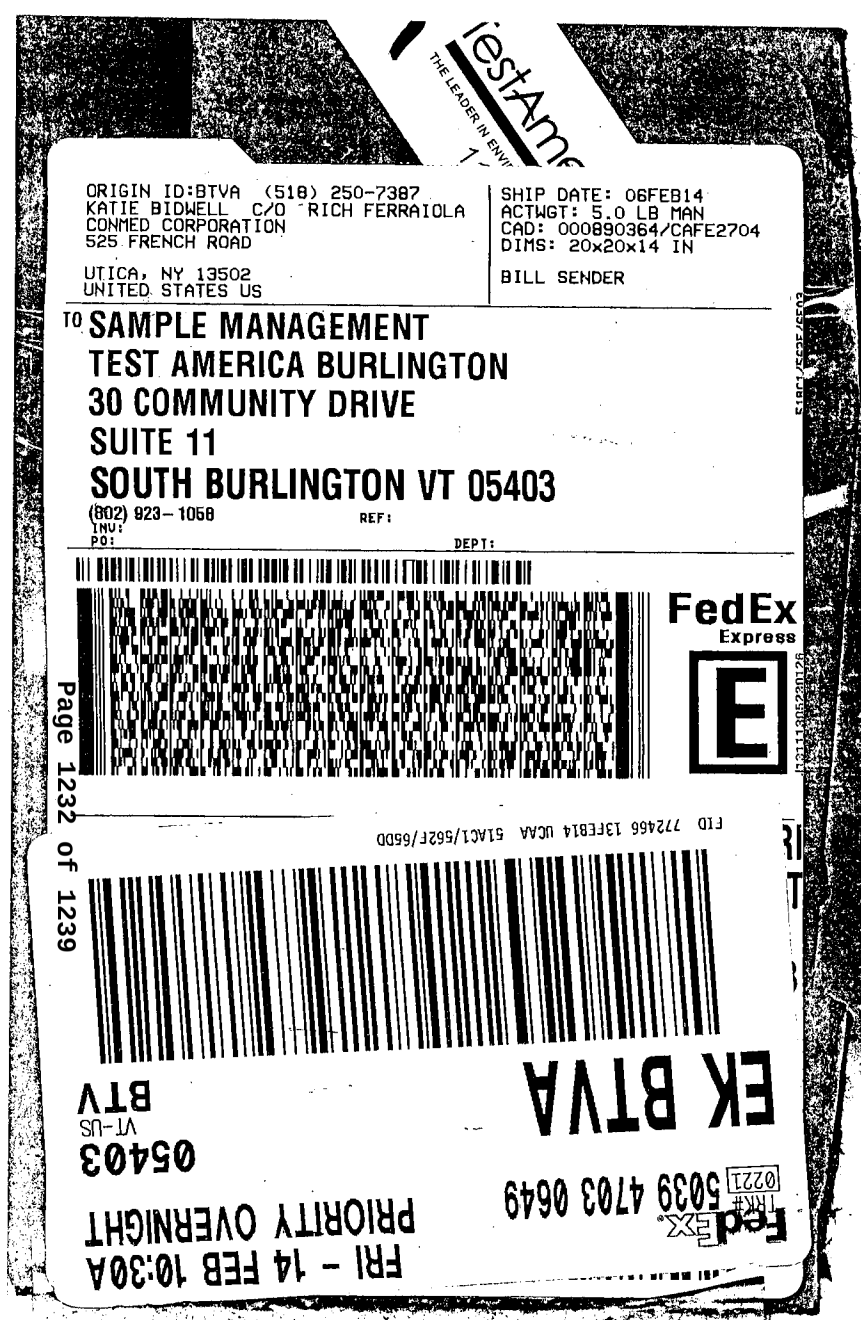
MON - 10 FEB AA
** 2DAY **

0201

KS UCAA

13502
NY-US SYR

Part # 150148-434 RIT2 04/13



ORIGIN ID:BTVA (518) 250-7387
KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA, NY 13502
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 5.0 LB MAN
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN

BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058 REF:
INV:
PO: DEPT:

FedEx Express

Page 1232 of 1239

FID 772466 13FEB14 UCAA 51AC1/562F/65DD

EK BTVA

05403
VT-US
BTV

FRI - 14 FEB 10:30A
PRIORITY OVERNIGHT

TRK# 5039 4703 0649
0221



ORIGIN ID:BTVA (802) 923-1058
SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON, VT 05403
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 34.4 LB
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN

BILL SENDER

TO KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA NY 13502
(518) 250-7387
REF: S200-9953

FedEx Express

5 of 10
MPS# 0263 5039 4703 0535
Mstr# 5039 4703 0498

MON - 10 FEB AA
** 2DAY **

0201

KS UCAA

13502
NY-US SYR

Part # 156148-434 RIT2 04/13

ORIGIN ID:BTVA (802) 923-1058
SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON, VT 05403
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 34.4 LB
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN

BILL SENDER

TO KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA NY 13502
(518) 250-7387
REF: S200-9953

FedEx Express

9 of 10

MPS# 5039 4703 0579
Mstr# 5039 4703 0498

0201

MON - 10 FEB AA
** 2DAY **

KS UCAA

13502
NY-US SYR

ORIGIN ID:BTVA (518) 250-7387
KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA, NY 13502
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 5.0 LB MAN
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN

BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058 REF:
INV:
PO: DEPT:

FedEx Express

RETURNS MON-FRI

TRK# 0221 5039 4703 0660

FRI - 14 FEB 10:30A
PRIORITY OVERNIGHT

EK BTVA

05403
VT-US
BTV

FID 772466 13FEB14 UCAA 51AC1/562F/65DD



ORIGIN ID:BTVA (518) 250-7387
KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA, NY 13502
UNITED STATES US

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RETURNS MON-FRI

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TRK# 0221 5039 4703 0682

FRI - 14 FEB 10:30A
PRIORITY OVERNIGHT

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05403
VT-US
BTV

FID 772466 13FEB14 UCAA 51AC1/562F/65DD

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ORIGIN ID:BTVA (518) 250-7387
KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA, NY 13502
UNITED STATES US

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BILL SENDER

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TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
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PRIORITY OVERNIGHT

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FRI - 14 FEB 10:30A
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ORIGIN ID:BTVA (518) 250-7387
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CONMED CORPORATION
525 FRENCH ROAD

UTICA, NY 13502
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 5.0 LB MAN
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN

BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1068 REF:
INV:
PO: DEPT:

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TRK# 0221 5039 4703 0650

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FRI - 14 FEB 10:30A
PRIORITY OVERNIGHT

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FID 772466 13FEB14 UCAA 51AC1/562F/65DD

ORIGIN ID:BTVA (518) 250-7387
KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA, NY 13502
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 5.0 LB MAN
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN

BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1068 REF:
INV:
PO: DEPT:

FedEx Express

RETURNS MON-FRI
PRIORITY OVERNIGHT

TRK# 0221 5039 4703

FRI - 14 FEB 10:30A
PRIORITY OVERNIGHT

05403
VT-US
BTV

4703 0627

4 UCAA 51AC1/562F/65DD

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Jeff Bonsted	Samples Collected By: D. Zuck	1 of 1 COCs
Company: Arcadis	Phone: 267-685-1874		
Address: 10 Friends Lane Suite 200	Email: Jeffrey.Bonsted@Arcadis-US.com		
City/State/Zip Newtown PA 18940			
Phone: 267-685-1874	Site Contact: D. Zuck		
FAX: 269-685-1801	TA Contact: Don Duicki		
Project Name: LMC Utica	**Analysis Turnaround Time**		
Site: Utica NY	Standard (Specify) 2 week		
PO # NJ001050	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SS-VMP-7B	2/13/14	1030	1658	-31	-5	3484	2706	X									X		
AMB-021314	2/13/14	1155	2000	-30	-10.5	5178	3015	X								X			

Temperature (Fahrenheit)

	Interior	Ambient
Start	69	24
Stop	68	27

Pressure (inches of Hg)

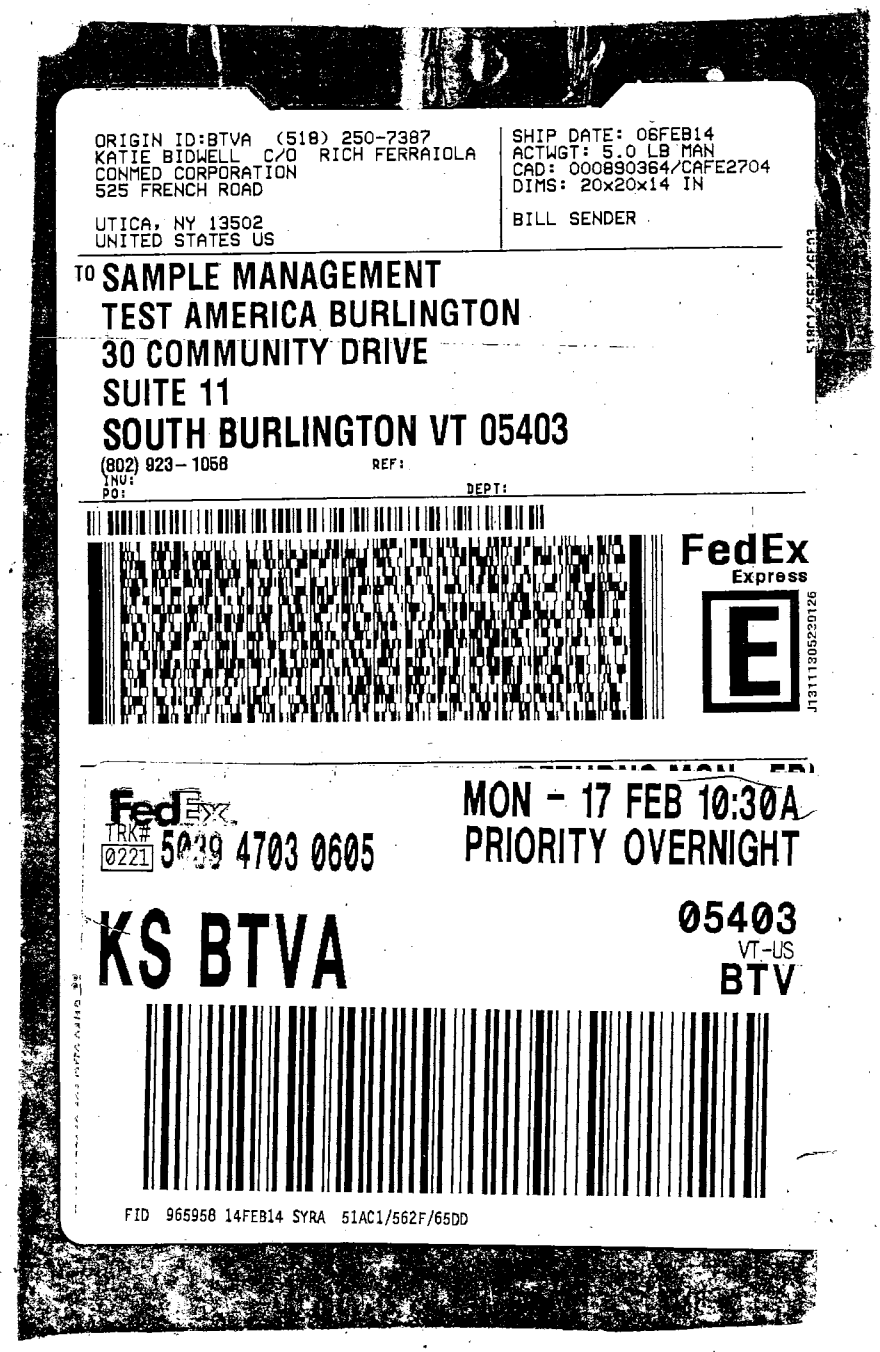
	Interior	Ambient
Start	NA	29.96
Stop	NA	29.62

200-20969 Chain of Custody

Special Instructions/QC Requirements & Comments:
Please analize SS with Sample Data Group #2 (SDG-2)
Please analize AMB with SDG-1.

Samples Shipped by: [signature]	Date/Time: 2/14/14 1500	Samples Received by: [signature] TAGR 2/7/14 0940
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**



ORIGIN ID:BTVA (518) 250-7387
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CONMED CORPORATION
525 FRENCH ROAD

UTICA, NY 13502
UNITED STATES US

SHIP DATE: 06FEB14
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DIMS: 20x20x14 IN

BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058 REF:
INV:
PO: DEPT:

FedEx Express

J13111305229126

FedEx
TRK# 0221 5039 4703 0605

MON - 17 FEB 10:30A
PRIORITY OVERNIGHT

KS BTVA

05403
VT-US
BTV

FID 965958 14FEB14 SYRA 51AC1/562F/65DD

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
SDG Number: 200-20955-1

Login Number: 20955
List Number: 1
Creator: Lavigne, Scott M

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	119091,092,093,094,096,097,118941,942,943
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	AMBIENT
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-1
SDG Number: 200-20955-1

Login Number: 20969
List Number: 1
Creator: Lavigne, Scott M

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	118944
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	AMBIENT
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 200-20955-2

SDG Number: 200-20955-2

Job Description: LMC Utica

For:
ARCADIS U.S., Inc.
10 Friends Lane
Suite 200
Newtown, PA 18940

Attention: Mr. Jeffrey Bonsteel



Approved for release.
Don C Dawicki
Manager of Project Management
2/28/2014 4:41 PM

Don C Dawicki, Manager of Project Management
30 Community Drive, South Burlington, VT, 05403
(802)660-1990
don.dawicki@testamericainc.com
02/28/2014

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: LMC Utica

Report Number: 200-20955-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 02/14/2014 and 02/17/2014; the samples arrived in good condition.

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): IA-VMP-2B. The container labels lists a stop time of 1725, while the COC lists A stop time of 1724.Used stop time from COC for Log in.

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): IA-VMP-7, IA-VMP-7A. The container labels lists IA-VMP-7A and IA-VMP-7, while the COC lists IA-VMP-7 and IA-VMP-7A. The client was contacted, and the lab was instructed to use ID's from canister labels for log in.

VOLATILE ORGANIC COMPOUNDS

Samples SS-VMP-7B, SS-VMP-1B, SS-VMP-2B, SS-VMP-2C, SS-VMP-3A, SS-VMP-3B, SS-VMP-3D, SS-VMP-5B, SS-VMP-6A, SS-VMP-6B, SS-VMP-3E, SS-VMP-4, SS-VMP-5A, SS-VMP-7, SS-VMP-7A and SS-DUP-021214 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 02/21/2014, 02/22/2014, 02/24/2014 and 02/25/2014.

1,3-Dichlorobenzene and 1,4-Dichlorobenzene were detected in method blank MB 200-68730/4 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Samples SS-VMP-7B[23.8X], SS-VMP-2B[2.5X], SS-VMP-3A[20.1X], SS-VMP-5B[6.9X], SS-VMP-6A[10X], SS-VMP-6B[10X], SS-VMP-4[2X], SS-VMP-5A[5.71X], SS-VMP-7[8X], SS-VMP-7A[7.49X] and SS-DUP-021214[7.48X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOC analysis.

All other quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Instrument ID: CHG.i Analysis Batch Number: 68619

Lab Sample ID: IC 200-68619/6 Client Sample ID:

Date Analyzed: 02/20/14 16:25 Lab File ID: 6246_006.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	13.12	Baseline Event	daiglep	02/21/14 11:51
Tetrachloroethene	16.97	Baseline Event	daiglep	02/21/14 11:51

Lab Sample ID: IC 200-68619/7 Client Sample ID:

Date Analyzed: 02/20/14 17:12 Lab File ID: 6246_007.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	8.19	Baseline Event	daiglep	02/21/14 11:54

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Instrument ID: CHG.i Analysis Batch Number: 68745

Lab Sample ID: 200-20955-2 Client Sample ID: SS-VMP-1B

Date Analyzed: 02/21/14 23:08 Lab File ID: 6267_016.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Heptane	12.17	Baseline Event	lyonsb	02/24/14 11:52

Lab Sample ID: 200-20955-10 Client Sample ID: SS-VMP-3B

Date Analyzed: 02/22/14 03:04 Lab File ID: 6267_021.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.99	Baseline Event	lyonsb	02/24/14 10:47

Lab Sample ID: 200-20955-16 Client Sample ID: SS-VMP-6A

Date Analyzed: 02/22/14 06:58 Lab File ID: 6267_026.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.99	Baseline Event	lyonsb	02/24/14 10:50

Lab Sample ID: 200-20955-18 Client Sample ID: SS-VMP-6B

Date Analyzed: 02/22/14 08:32 Lab File ID: 6267_028.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethane	8.95	Baseline Event	lyonsb	02/24/14 10:52
Cyclohexane	11.00	Baseline Event	lyonsb	02/24/14 10:52
Benzene	11.74	Baseline Event	lyonsb	02/24/14 10:52
Trichloroethene	13.11	Baseline Event	lyonsb	02/24/14 10:52

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Instrument ID: CHW.i Analysis Batch Number: 68234

Lab Sample ID: IC 200-68234/4 Client Sample ID:

Date Analyzed: 02/11/14 19:12 Lab File ID: 6101_004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	15.21	Baseline Event	lyonsb	02/12/14 09:19
Tetrachloroethene	18.69	Baseline Event	lyonsb	02/12/14 09:19

Lab Sample ID: IC 200-68234/5 Client Sample ID:

Date Analyzed: 02/11/14 20:02 Lab File ID: 6101_005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 22	4.53	Baseline Event	lyonsb	02/12/14 09:18
Chloromethane	5.02	Baseline Event	lyonsb	02/12/14 09:18
Ethanol	7.84	Baseline Event	lyonsb	02/12/14 09:18
Acrolein	8.43	Baseline Event	lyonsb	02/12/14 09:18
Allyl chloride	9.40	Baseline Event	lyonsb	02/12/14 09:18
Methyl tert-butyl ether	10.18	Baseline Event	lyonsb	02/12/14 09:18
Acrylonitrile	10.39	Baseline Event	lyonsb	02/12/14 09:18
Hexane	10.66	Baseline Event	lyonsb	02/12/14 09:18
Ethyl acetate	12.42	Baseline Event	lyonsb	02/12/14 09:18
Cyclohexane	13.27	Baseline Event	lyonsb	02/12/14 09:18
1,1,1-Trichloroethane	13.29	Baseline Event	lyonsb	02/12/14 09:18
Heptane	14.29	Baseline Event	lyonsb	02/12/14 09:18
n-Butanol	15.05	Baseline Event	lyonsb	02/12/14 09:18
1,4-Dioxane	15.93	Baseline Event	lyonsb	02/12/14 09:18
cis-1,3-Dichloropropene	17.08	Baseline Event	lyonsb	02/12/14 09:18
trans-1,3-Dichloropropene	18.19	Baseline Event	lyonsb	02/12/14 09:18
Methyl Butyl Ketone (2-Hexanone)	18.96	Baseline Event	lyonsb	02/12/14 09:18
Ethylbenzene	20.61	Baseline Event	lyonsb	02/12/14 09:18
Styrene	21.58	Baseline Event	lyonsb	02/12/14 09:18
Naphthalene	28.30	Baseline Event	lyonsb	02/12/14 09:18

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Instrument ID: CHW.i Analysis Batch Number: 68234

Lab Sample ID: IC 200-68234/6 Client Sample ID:

Date Analyzed: 02/11/14 20:50 Lab File ID: 6101_006.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	8.42	Baseline Event	lyonsb	02/12/14 09:15
Acrylonitrile	10.40	Baseline Event	lyonsb	02/12/14 09:15
cis-1,2-Dichloroethene	12.38	Baseline Event	lyonsb	02/12/14 09:15
1,1,2-Trichloroethane	18.56	Baseline Event	lyonsb	02/12/14 09:15
n-Dodecane	26.44	Baseline Event	lyonsb	02/12/14 09:15
Naphthalene	28.32	Baseline Event	lyonsb	02/12/14 09:15

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Instrument ID: CHW.i Analysis Batch Number: 68730

Lab Sample ID: 200-20955-20 Client Sample ID: SS-VMP-3E

Date Analyzed: 02/24/14 19:16 Lab File ID: 6282_010.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 113	8.45	Baseline Event	lyonsb	02/25/14 09:15
Trichloroethene	15.20	Baseline Event	lyonsb	02/25/14 09:15
4-Ethyltoluene	22.91	Unspecified		
1,3,5-Trimethylbenzene	23.01	Unspecified		

Lab Sample ID: 200-20955-24 Client Sample ID: SS-VMP-5A

Date Analyzed: 02/24/14 21:40 Lab File ID: 6282_013.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	13.28	Baseline Event	lyonsb	02/25/14 09:20
Ethylbenzene	20.63	Baseline Event	lyonsb	02/25/14 09:20

Lab Sample ID: 200-20955-25 Client Sample ID: SS-VMP-7

Date Analyzed: 02/24/14 22:28 Lab File ID: 6282_014.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 11	7.18	Baseline Event	lyonsb	02/25/14 09:23
Cyclohexane	13.26	Baseline Event	lyonsb	02/25/14 09:41

Lab Sample ID: 200-20955-30 Client Sample ID: SS-DUP-021214

Date Analyzed: 02/25/14 00:04 Lab File ID: 6282_016.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	15.22	Baseline Event	lyonsb	02/25/14 09:43
Ethylbenzene	20.62	Baseline Event	lyonsb	02/25/14 09:43

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-20955-2	SS-VMP-1B	Air	02/12/2014 1715	02/14/2014 1320
200-20955-4	SS-VMP-2B	Air	02/12/2014 1721	02/14/2014 1320
200-20955-6	SS-VMP-2C	Air	02/12/2014 1727	02/14/2014 1320
200-20955-8	SS-VMP-3A	Air	02/12/2014 1703	02/14/2014 1320
200-20955-10	SS-VMP-3B	Air	02/12/2014 1725	02/14/2014 1320
200-20955-12	SS-VMP-3D	Air	02/12/2014 1732	02/14/2014 1320
200-20955-14	SS-VMP-5B	Air	02/12/2014 1713	02/14/2014 1320
200-20955-16	SS-VMP-6A	Air	02/12/2014 1632	02/14/2014 1320
200-20955-18	SS-VMP-6B	Air	02/12/2014 1707	02/14/2014 1320
200-20955-20	SS-VMP-3E	Air	02/12/2014 1740	02/14/2014 1320
200-20955-22	SS-VMP-4	Air	02/12/2014 1641	02/14/2014 1320
200-20955-24	SS-VMP-5A	Air	02/12/2014 1655	02/14/2014 1320
200-20955-25	SS-VMP-7	Air	02/12/2014 1701	02/14/2014 1320
200-20955-28	SS-VMP-7A	Air	02/12/2014 1806	02/14/2014 1320
200-20955-30	SS-DUP-021214	Air	02/12/2014 0000	02/14/2014 1320
200-20969-1	SS-VMP-7B	Air	02/13/2014 1658	02/17/2014 0940

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-2	**SS-VMP-1B**					
Freon 12		0.52		0.50	ppb v/v	TO-15
Freon 12		2.6		2.5	ug/m3	TO-15
Freon 22		0.30	J	0.50	ppb v/v	TO-15
Freon 22		1.1	J	1.8	ug/m3	TO-15
Freon-114		0.092	J	0.20	ppb v/v	TO-15
Freon-114		0.65	J	1.4	ug/m3	TO-15
n-Butane		2.2		0.50	ppb v/v	TO-15
n-Butane		5.1		1.2	ug/m3	TO-15
Vinyl chloride		0.10		0.040	ppb v/v	TO-15
Vinyl chloride		0.27		0.10	ug/m3	TO-15
1,3-Butadiene		0.089	J	0.20	ppb v/v	TO-15
1,3-Butadiene		0.20	J	0.44	ug/m3	TO-15
Bromomethane		0.090	J	0.20	ppb v/v	TO-15
Bromomethane		0.35	J	0.78	ug/m3	TO-15
Chloroethane		0.15	J	0.50	ppb v/v	TO-15
Chloroethane		0.40	J	1.3	ug/m3	TO-15
Freon 11		8.3		0.20	ppb v/v	TO-15
Freon 11		47		1.1	ug/m3	TO-15
1,1-Dichloroethene		0.10	J	0.20	ppb v/v	TO-15
1,1-Dichloroethene		0.41	J	0.79	ug/m3	TO-15
Acetone		19		5.0	ppb v/v	TO-15
Acetone		45		12	ug/m3	TO-15
Isopropyl alcohol		410	E	5.0	ppb v/v	TO-15
Isopropyl alcohol		1000	E	12	ug/m3	TO-15
Methylene Chloride		0.86		0.50	ppb v/v	TO-15
Methylene Chloride		3.0		1.7	ug/m3	TO-15
trans-1,2-Dichloroethene		0.098	J	0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		0.39	J	0.79	ug/m3	TO-15
Hexane		0.34		0.20	ppb v/v	TO-15
Hexane		1.2		0.70	ug/m3	TO-15
1,1-Dichloroethane		0.099	J	0.20	ppb v/v	TO-15
1,1-Dichloroethane		0.40	J	0.81	ug/m3	TO-15
Methyl Ethyl Ketone		15		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		44		1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		0.23		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		0.93		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		0.33		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		1.3		0.79	ug/m3	TO-15
Chloroform		0.20		0.20	ppb v/v	TO-15
Chloroform		0.98		0.98	ug/m3	TO-15
Tetrahydrofuran		0.78	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		2.3	J	15	ug/m3	TO-15
Cyclohexane		3.2		0.20	ppb v/v	TO-15
Cyclohexane		11		0.69	ug/m3	TO-15
Carbon tetrachloride		0.10		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.65		0.25	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
2,2,4-Trimethylpentane		0.38		0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		1.8		0.93	ug/m3	TO-15
Benzene		0.39		0.20	ppb v/v	TO-15
Benzene		1.2		0.64	ug/m3	TO-15
1,2-Dichloroethane		0.082	J	0.20	ppb v/v	TO-15
1,2-Dichloroethane		0.33	J	0.81	ug/m3	TO-15
Heptane		0.24		0.20	ppb v/v	TO-15
Heptane		1.0		0.82	ug/m3	TO-15
Trichloroethene		0.77		0.040	ppb v/v	TO-15
Trichloroethene		4.1		0.21	ug/m3	TO-15
Methyl methacrylate		0.15	J	0.50	ppb v/v	TO-15
Methyl methacrylate		0.63	J	2.0	ug/m3	TO-15
1,4-Dioxane		0.51	J	5.0	ppb v/v	TO-15
1,4-Dioxane		1.8	J	18	ug/m3	TO-15
Bromodichloromethane		0.070	J	0.20	ppb v/v	TO-15
Bromodichloromethane		0.47	J	1.3	ug/m3	TO-15
methyl isobutyl ketone		0.15	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.60	J	2.0	ug/m3	TO-15
Toluene		0.80		0.20	ppb v/v	TO-15
Toluene		3.0		0.75	ug/m3	TO-15
trans-1,3-Dichloropropene		0.074	J	0.20	ppb v/v	TO-15
trans-1,3-Dichloropropene		0.34	J	0.91	ug/m3	TO-15
1,1,2-Trichloroethane		0.087	J	0.20	ppb v/v	TO-15
1,1,2-Trichloroethane		0.48	J	1.1	ug/m3	TO-15
Tetrachloroethene		0.88		0.20	ppb v/v	TO-15
Tetrachloroethene		6.0		1.4	ug/m3	TO-15
Chlorobenzene		0.12	J	0.20	ppb v/v	TO-15
Chlorobenzene		0.55	J	0.92	ug/m3	TO-15
Ethylbenzene		0.17	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.74	J	0.87	ug/m3	TO-15
m,p-Xylene		0.35	J	0.50	ppb v/v	TO-15
m,p-Xylene		1.5	J	2.2	ug/m3	TO-15
Xylene, o-		0.14	J	0.20	ppb v/v	TO-15
Xylene, o-		0.62	J	0.87	ug/m3	TO-15
Xylene (total)		0.49		0.20	ppb v/v	TO-15
Xylene (total)		2.1		0.87	ug/m3	TO-15
Styrene		0.12	J	0.20	ppb v/v	TO-15
Styrene		0.49	J	0.85	ug/m3	TO-15
Bromoform		0.069	J	0.20	ppb v/v	TO-15
Bromoform		0.71	J	2.1	ug/m3	TO-15
1,1,2,2-Tetrachloroethane		0.088	J	0.20	ppb v/v	TO-15
1,1,2,2-Tetrachloroethane		0.60	J	1.4	ug/m3	TO-15
n-Propylbenzene		0.091	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.45	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.097	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.48	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.082	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.40	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
2-Chlorotoluene		0.080	J	0.20	ppb v/v	TO-15
2-Chlorotoluene		0.41	J	1.0	ug/m3	TO-15
tert-Butylbenzene		0.077	J	0.20	ppb v/v	TO-15
tert-Butylbenzene		0.42	J	1.1	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.086	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.42	J	0.98	ug/m3	TO-15
1,3-Dichlorobenzene		0.22		0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		1.3		1.2	ug/m3	TO-15
1,4-Dichlorobenzene		0.065	J	0.20	ppb v/v	TO-15
1,4-Dichlorobenzene		0.39	J	1.2	ug/m3	TO-15
1,2-Dichlorobenzene		0.069	J	0.20	ppb v/v	TO-15
1,2-Dichlorobenzene		0.42	J	1.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-4	**SS-VMP-2B**					
Freon 12		27		1.3	ppb v/v	TO-15
Freon 12		130		6.2	ug/m3	TO-15
Freon 22		0.32	J	1.3	ppb v/v	TO-15
Freon 22		1.1	J	4.4	ug/m3	TO-15
Freon 11		0.82		0.50	ppb v/v	TO-15
Freon 11		4.6		2.8	ug/m3	TO-15
Freon 113		0.54		0.50	ppb v/v	TO-15
Freon 113		4.1		3.8	ug/m3	TO-15
Acetone		15		13	ppb v/v	TO-15
Acetone		36		30	ug/m3	TO-15
Isopropyl alcohol		630	E	13	ppb v/v	TO-15
Isopropyl alcohol		1500	E	31	ug/m3	TO-15
Methylene Chloride		0.57	J	1.3	ppb v/v	TO-15
Methylene Chloride		2.0	J	4.3	ug/m3	TO-15
Hexane		0.21	J	0.50	ppb v/v	TO-15
Hexane		0.75	J	1.8	ug/m3	TO-15
1,1-Dichloroethane		0.13	J	0.50	ppb v/v	TO-15
1,1-Dichloroethane		0.51	J	2.0	ug/m3	TO-15
Methyl Ethyl Ketone		19		1.3	ppb v/v	TO-15
Methyl Ethyl Ketone		56		3.7	ug/m3	TO-15
Chloroform		0.23	J	0.50	ppb v/v	TO-15
Chloroform		1.1	J	2.4	ug/m3	TO-15
Tetrahydrofuran		1.0	J	13	ppb v/v	TO-15
Tetrahydrofuran		3.0	J	37	ug/m3	TO-15
1,1,1-Trichloroethane		13		0.50	ppb v/v	TO-15
1,1,1-Trichloroethane		72		2.7	ug/m3	TO-15
Cyclohexane		9.3		0.50	ppb v/v	TO-15
Cyclohexane		32		1.7	ug/m3	TO-15
Benzene		0.29	J	0.50	ppb v/v	TO-15
Benzene		0.92	J	1.6	ug/m3	TO-15
Trichloroethene		4.2		0.10	ppb v/v	TO-15
Trichloroethene		23		0.54	ug/m3	TO-15
Toluene		0.85		0.50	ppb v/v	TO-15
Toluene		3.2		1.9	ug/m3	TO-15
Tetrachloroethene		0.36	J	0.50	ppb v/v	TO-15
Tetrachloroethene		2.4	J	3.4	ug/m3	TO-15
Chlorobenzene		0.14	J	0.50	ppb v/v	TO-15
Chlorobenzene		0.64	J	2.3	ug/m3	TO-15
Ethylbenzene		0.18	J	0.50	ppb v/v	TO-15
Ethylbenzene		0.78	J	2.2	ug/m3	TO-15
m,p-Xylene		0.30	J	1.3	ppb v/v	TO-15
m,p-Xylene		1.3	J	5.4	ug/m3	TO-15
Xylene, o-		0.12	J	0.50	ppb v/v	TO-15
Xylene, o-		0.53	J	2.2	ug/m3	TO-15
Xylene (total)		0.42	J	0.50	ppb v/v	TO-15
Xylene (total)		1.8	J	2.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Styrene		0.39	J	0.50	ppb v/v	TO-15
Styrene		1.7	J	2.1	ug/m3	TO-15
4-Ethyltoluene		0.075	J	0.50	ppb v/v	TO-15
4-Ethyltoluene		0.37	J	2.5	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.059	J	0.50	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.29	J	2.5	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.16	J	0.50	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.79	J	2.5	ug/m3	TO-15
1,3-Dichlorobenzene		0.47	J	0.50	ppb v/v	TO-15
1,3-Dichlorobenzene		2.8	J	3.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-6	**SS-VMP-2C**					
Freon 12		0.37	J	0.50	ppb v/v	TO-15
Freon 12		1.8	J	2.5	ug/m3	TO-15
Freon 22		0.37	J	0.50	ppb v/v	TO-15
Freon 22		1.3	J	1.8	ug/m3	TO-15
n-Butane		0.53		0.50	ppb v/v	TO-15
n-Butane		1.3		1.2	ug/m3	TO-15
Freon 11		0.35		0.20	ppb v/v	TO-15
Freon 11		2.0		1.1	ug/m3	TO-15
Freon 113		0.077	J	0.20	ppb v/v	TO-15
Freon 113		0.59	J	1.5	ug/m3	TO-15
Acetone		16		5.0	ppb v/v	TO-15
Acetone		39		12	ug/m3	TO-15
Isopropyl alcohol		610	E	5.0	ppb v/v	TO-15
Isopropyl alcohol		1500	E	12	ug/m3	TO-15
Carbon disulfide		0.87		0.50	ppb v/v	TO-15
Carbon disulfide		2.7		1.6	ug/m3	TO-15
Methylene Chloride		5.4		0.50	ppb v/v	TO-15
Methylene Chloride		19		1.7	ug/m3	TO-15
Hexane		0.19	J	0.20	ppb v/v	TO-15
Hexane		0.66	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		21		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		61		1.5	ug/m3	TO-15
Tetrahydrofuran		1.1	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		3.2	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.35		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		1.9		1.1	ug/m3	TO-15
Cyclohexane		9.5		0.20	ppb v/v	TO-15
Cyclohexane		33		0.69	ug/m3	TO-15
Carbon tetrachloride		0.054		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.34		0.25	ug/m3	TO-15
2,2,4-Trimethylpentane		0.12	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.57	J	0.93	ug/m3	TO-15
Benzene		0.27		0.20	ppb v/v	TO-15
Benzene		0.87		0.64	ug/m3	TO-15
Heptane		0.17	J	0.20	ppb v/v	TO-15
Heptane		0.70	J	0.82	ug/m3	TO-15
Trichloroethene		0.026	J	0.040	ppb v/v	TO-15
Trichloroethene		0.14	J	0.21	ug/m3	TO-15
methyl isobutyl ketone		0.21	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.84	J	2.0	ug/m3	TO-15
Toluene		0.84		0.20	ppb v/v	TO-15
Toluene		3.2		0.75	ug/m3	TO-15
Tetrachloroethene		0.044	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.30	J	1.4	ug/m3	TO-15
Chlorobenzene		0.12	J	0.20	ppb v/v	TO-15
Chlorobenzene		0.57	J	0.92	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Ethylbenzene		0.18	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.80	J	0.87	ug/m3	TO-15
m,p-Xylene		0.34	J	0.50	ppb v/v	TO-15
m,p-Xylene		1.5	J	2.2	ug/m3	TO-15
Xylene, o-		0.13	J	0.20	ppb v/v	TO-15
Xylene, o-		0.58	J	0.87	ug/m3	TO-15
Xylene (total)		0.47		0.20	ppb v/v	TO-15
Xylene (total)		2.0		0.87	ug/m3	TO-15
Styrene		0.46		0.20	ppb v/v	TO-15
Styrene		2.0		0.85	ug/m3	TO-15
4-Ethyltoluene		0.067	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.33	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.057	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.28	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.17	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.86	J	0.98	ug/m3	TO-15
1,3-Dichlorobenzene		0.63		0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		3.8		1.2	ug/m3	TO-15
200-20955-8	**SS-VMP-3A**					
Freon 22		2.4	J	10	ppb v/v	TO-15
Freon 22		8.5	J	36	ug/m3	TO-15
Isopropyl alcohol		620		100	ppb v/v	TO-15
Isopropyl alcohol		1500		250	ug/m3	TO-15
Methylene Chloride		400		10	ppb v/v	TO-15
Methylene Chloride		1400		35	ug/m3	TO-15
Methyl Ethyl Ketone		12		10	ppb v/v	TO-15
Methyl Ethyl Ketone		35		30	ug/m3	TO-15
Tetrahydrofuran		2.0	J	100	ppb v/v	TO-15
Tetrahydrofuran		6.0	J	300	ug/m3	TO-15
Toluene		1.5	J	4.0	ppb v/v	TO-15
Toluene		5.7	J	15	ug/m3	TO-15
1,3-Dichlorobenzene		0.63	J	4.0	ppb v/v	TO-15
1,3-Dichlorobenzene		3.8	J	24	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-10	**SS-VMP-3B**					
Freon 12		0.20	J	0.50	ppb v/v	TO-15
Freon 12		1.0	J	2.5	ug/m3	TO-15
Freon 22		0.25	J	0.50	ppb v/v	TO-15
Freon 22		0.87	J	1.8	ug/m3	TO-15
n-Butane		0.87		0.50	ppb v/v	TO-15
n-Butane		2.1		1.2	ug/m3	TO-15
Freon 11		0.11	J	0.20	ppb v/v	TO-15
Freon 11		0.61	J	1.1	ug/m3	TO-15
Freon 113		0.032	J	0.20	ppb v/v	TO-15
Freon 113		0.24	J	1.5	ug/m3	TO-15
Acetone		10		5.0	ppb v/v	TO-15
Acetone		24		12	ug/m3	TO-15
Isopropyl alcohol		150	E	5.0	ppb v/v	TO-15
Isopropyl alcohol		380	E	12	ug/m3	TO-15
Methylene Chloride		5.9		0.50	ppb v/v	TO-15
Methylene Chloride		21		1.7	ug/m3	TO-15
Hexane		0.33		0.20	ppb v/v	TO-15
Hexane		1.1		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		4.5		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		13		1.5	ug/m3	TO-15
Tetrahydrofuran		0.19	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.55	J	15	ug/m3	TO-15
Cyclohexane		0.27		0.20	ppb v/v	TO-15
Cyclohexane		0.94		0.69	ug/m3	TO-15
Carbon tetrachloride		0.035	J	0.040	ppb v/v	TO-15
Carbon tetrachloride		0.22	J	0.25	ug/m3	TO-15
2,2,4-Trimethylpentane		0.088	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.41	J	0.93	ug/m3	TO-15
Benzene		0.18	J	0.20	ppb v/v	TO-15
Benzene		0.59	J	0.64	ug/m3	TO-15
Heptane		0.25		0.20	ppb v/v	TO-15
Heptane		1.0		0.82	ug/m3	TO-15
Methyl methacrylate		0.12	J	0.50	ppb v/v	TO-15
Methyl methacrylate		0.49	J	2.0	ug/m3	TO-15
Toluene		0.33		0.20	ppb v/v	TO-15
Toluene		1.2		0.75	ug/m3	TO-15
Ethylbenzene		0.042	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.18	J	0.87	ug/m3	TO-15
m,p-Xylene		0.12	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.50	J	2.2	ug/m3	TO-15
Xylene, o-		0.047	J	0.20	ppb v/v	TO-15
Xylene, o-		0.20	J	0.87	ug/m3	TO-15
Xylene (total)		0.17	J	0.20	ppb v/v	TO-15
Xylene (total)		0.73	J	0.87	ug/m3	TO-15
4-Ethyltoluene		0.019	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.095	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
1,3,5-Trimethylbenzene		0.019	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.095	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.043	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.21	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.68		0.20	ppb v/v	TO-15
4-Isopropyltoluene		3.7		1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.31		0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		1.9		1.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-12	**SS-VMP-3D**					
Freon 12		0.38	J	0.50	ppb v/v	TO-15
Freon 12		1.9	J	2.5	ug/m3	TO-15
Freon 22		0.32	J	0.50	ppb v/v	TO-15
Freon 22		1.1	J	1.8	ug/m3	TO-15
n-Butane		0.96		0.50	ppb v/v	TO-15
n-Butane		2.3		1.2	ug/m3	TO-15
1,3-Butadiene		0.24		0.20	ppb v/v	TO-15
1,3-Butadiene		0.54		0.44	ug/m3	TO-15
Freon 11		0.23		0.20	ppb v/v	TO-15
Freon 11		1.3		1.1	ug/m3	TO-15
Freon 113		0.063	J	0.20	ppb v/v	TO-15
Freon 113		0.48	J	1.5	ug/m3	TO-15
Acetone		14		5.0	ppb v/v	TO-15
Acetone		33		12	ug/m3	TO-15
Isopropyl alcohol		500	E	5.0	ppb v/v	TO-15
Isopropyl alcohol		1200	E	12	ug/m3	TO-15
Carbon disulfide		0.22	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.68	J	1.6	ug/m3	TO-15
Methylene Chloride		8.4		0.50	ppb v/v	TO-15
Methylene Chloride		29		1.7	ug/m3	TO-15
Hexane		0.13	J	0.20	ppb v/v	TO-15
Hexane		0.46	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		14		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		42		1.5	ug/m3	TO-15
Tetrahydrofuran		0.77	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		2.3	J	15	ug/m3	TO-15
Cyclohexane		0.85		0.20	ppb v/v	TO-15
Cyclohexane		2.9		0.69	ug/m3	TO-15
Carbon tetrachloride		0.057		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.36		0.25	ug/m3	TO-15
Benzene		0.23		0.20	ppb v/v	TO-15
Benzene		0.73		0.64	ug/m3	TO-15
Methyl methacrylate		0.22	J	0.50	ppb v/v	TO-15
Methyl methacrylate		0.89	J	2.0	ug/m3	TO-15
Toluene		0.12	J	0.20	ppb v/v	TO-15
Toluene		0.44	J	0.75	ug/m3	TO-15
Tetrachloroethene		0.021	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.14	J	1.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-14	**SS-VMP-5B**					
Isopropyl alcohol		390	E	35	ppb v/v	TO-15
Isopropyl alcohol		970	E	85	ug/m3	TO-15
Methylene Chloride		87		3.5	ppb v/v	TO-15
Methylene Chloride		300		12	ug/m3	TO-15
Methyl Ethyl Ketone		7.6		3.5	ppb v/v	TO-15
Methyl Ethyl Ketone		22		10	ug/m3	TO-15
Tetrahydrofuran		1.2	J	35	ppb v/v	TO-15
Tetrahydrofuran		3.6	J	100	ug/m3	TO-15
Cyclohexane		0.86	J	1.4	ppb v/v	TO-15
Cyclohexane		2.9	J	4.8	ug/m3	TO-15
Benzene		0.31	J	1.4	ppb v/v	TO-15
Benzene		1.0	J	4.4	ug/m3	TO-15
Toluene		0.84	J	1.4	ppb v/v	TO-15
Toluene		3.2	J	5.2	ug/m3	TO-15
1,3-Dichlorobenzene		0.37	J	1.4	ppb v/v	TO-15
1,3-Dichlorobenzene		2.2	J	8.3	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-16	**SS-VMP-6A**					
Freon 12		1.9	J	5.0	ppb v/v	TO-15
Freon 12		9.2	J	25	ug/m3	TO-15
Freon 22		0.96	J	5.0	ppb v/v	TO-15
Freon 22		3.4	J	18	ug/m3	TO-15
Freon 11		4.0		2.0	ppb v/v	TO-15
Freon 11		23		11	ug/m3	TO-15
Freon 113		2.0		2.0	ppb v/v	TO-15
Freon 113		15		15	ug/m3	TO-15
Isopropyl alcohol		800	E	50	ppb v/v	TO-15
Isopropyl alcohol		2000	E	120	ug/m3	TO-15
Methylene Chloride		180		5.0	ppb v/v	TO-15
Methylene Chloride		620		17	ug/m3	TO-15
1,1-Dichloroethane		6.7		2.0	ppb v/v	TO-15
1,1-Dichloroethane		27		8.1	ug/m3	TO-15
Methyl Ethyl Ketone		18		5.0	ppb v/v	TO-15
Methyl Ethyl Ketone		52		15	ug/m3	TO-15
Chloroform		4.4		2.0	ppb v/v	TO-15
Chloroform		21		9.8	ug/m3	TO-15
Tetrahydrofuran		14	J	50	ppb v/v	TO-15
Tetrahydrofuran		41	J	150	ug/m3	TO-15
1,1,1-Trichloroethane		3.4		2.0	ppb v/v	TO-15
1,1,1-Trichloroethane		19		11	ug/m3	TO-15
Cyclohexane		2.6		2.0	ppb v/v	TO-15
Cyclohexane		8.8		6.9	ug/m3	TO-15
Benzene		0.39	J	2.0	ppb v/v	TO-15
Benzene		1.2	J	6.4	ug/m3	TO-15
Trichloroethene		2.1		0.40	ppb v/v	TO-15
Trichloroethene		11		2.1	ug/m3	TO-15
Toluene		1.8	J	2.0	ppb v/v	TO-15
Toluene		6.8	J	7.5	ug/m3	TO-15
1,3-Dichlorobenzene		0.63	J	2.0	ppb v/v	TO-15
1,3-Dichlorobenzene		3.8	J	12	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-18	**SS-VMP-6B**					
Freon 12		1.3	J	5.0	ppb v/v	TO-15
Freon 12		6.4	J	25	ug/m3	TO-15
Freon 22		1.4	J	5.0	ppb v/v	TO-15
Freon 22		5.0	J	18	ug/m3	TO-15
Freon 113		0.55	J	2.0	ppb v/v	TO-15
Freon 113		4.2	J	15	ug/m3	TO-15
Isopropyl alcohol		400		50	ppb v/v	TO-15
Isopropyl alcohol		970		120	ug/m3	TO-15
Methylene Chloride		120		5.0	ppb v/v	TO-15
Methylene Chloride		410		17	ug/m3	TO-15
1,1-Dichloroethane		0.62	J	2.0	ppb v/v	TO-15
1,1-Dichloroethane		2.5	J	8.1	ug/m3	TO-15
Methyl Ethyl Ketone		10		5.0	ppb v/v	TO-15
Methyl Ethyl Ketone		29		15	ug/m3	TO-15
Tetrahydrofuran		5.8	J	50	ppb v/v	TO-15
Tetrahydrofuran		17	J	150	ug/m3	TO-15
Cyclohexane		1.8	J	2.0	ppb v/v	TO-15
Cyclohexane		6.2	J	6.9	ug/m3	TO-15
Carbon tetrachloride		0.37	J	0.40	ppb v/v	TO-15
Carbon tetrachloride		2.3	J	2.5	ug/m3	TO-15
2,2,4-Trimethylpentane		0.82	J	2.0	ppb v/v	TO-15
2,2,4-Trimethylpentane		3.8	J	9.3	ug/m3	TO-15
Benzene		0.60	J	2.0	ppb v/v	TO-15
Benzene		1.9	J	6.4	ug/m3	TO-15
1,2-Dichloroethane		0.41	J	2.0	ppb v/v	TO-15
1,2-Dichloroethane		1.7	J	8.1	ug/m3	TO-15
Trichloroethene		0.39	J	0.40	ppb v/v	TO-15
Trichloroethene		2.1	J	2.1	ug/m3	TO-15
Bromodichloromethane		0.34	J	2.0	ppb v/v	TO-15
Bromodichloromethane		2.3	J	13	ug/m3	TO-15
Toluene		1.8	J	2.0	ppb v/v	TO-15
Toluene		6.7	J	7.5	ug/m3	TO-15
1,1,2-Trichloroethane		0.39	J	2.0	ppb v/v	TO-15
1,1,2-Trichloroethane		2.1	J	11	ug/m3	TO-15
Tetrachloroethene		1.6	J	2.0	ppb v/v	TO-15
Tetrachloroethene		11	J	14	ug/m3	TO-15
Chlorobenzene		0.43	J	2.0	ppb v/v	TO-15
Chlorobenzene		2.0	J	9.2	ug/m3	TO-15
Ethylbenzene		0.52	J	2.0	ppb v/v	TO-15
Ethylbenzene		2.3	J	8.7	ug/m3	TO-15
m,p-Xylene		1.1	J	5.0	ppb v/v	TO-15
m,p-Xylene		4.7	J	22	ug/m3	TO-15
Xylene, o-		0.49	J	2.0	ppb v/v	TO-15
Xylene, o-		2.1	J	8.7	ug/m3	TO-15
Xylene (total)		1.6	J	2.0	ppb v/v	TO-15
Xylene (total)		6.9	J	8.7	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
Styrene	0.53	J	2.0	ppb v/v	TO-15
Styrene	2.3	J	8.5	ug/m3	TO-15
1,1,2,2-Tetrachloroethane	0.42	J	2.0	ppb v/v	TO-15
1,1,2,2-Tetrachloroethane	2.9	J	14	ug/m3	TO-15
4-Ethyltoluene	0.44	J	2.0	ppb v/v	TO-15
4-Ethyltoluene	2.2	J	9.8	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.46	J	2.0	ppb v/v	TO-15
1,3,5-Trimethylbenzene	2.3	J	9.8	ug/m3	TO-15
2-Chlorotoluene	0.48	J	2.0	ppb v/v	TO-15
2-Chlorotoluene	2.5	J	10	ug/m3	TO-15
tert-Butylbenzene	0.48	J	2.0	ppb v/v	TO-15
tert-Butylbenzene	2.6	J	11	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.52	J	2.0	ppb v/v	TO-15
1,2,4-Trimethylbenzene	2.5	J	9.8	ug/m3	TO-15
1,3-Dichlorobenzene	0.56	J	2.0	ppb v/v	TO-15
1,3-Dichlorobenzene	3.3	J	12	ug/m3	TO-15
1,4-Dichlorobenzene	0.32	J	2.0	ppb v/v	TO-15
1,4-Dichlorobenzene	1.9	J	12	ug/m3	TO-15
1,2-Dichlorobenzene	0.39	J	2.0	ppb v/v	TO-15
1,2-Dichlorobenzene	2.3	J	12	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-20	**SS-VMP-3E**					
Freon 12		0.49	J	0.50	ppb v/v	TO-15
Freon 12		2.4	J	2.5	ug/m3	TO-15
Freon 22		0.28	J	0.50	ppb v/v	TO-15
Freon 22		0.99	J	1.8	ug/m3	TO-15
Chloromethane		0.53		0.50	ppb v/v	TO-15
Chloromethane		1.1		1.0	ug/m3	TO-15
n-Butane		1.9		0.50	ppb v/v	TO-15
n-Butane		4.6		1.2	ug/m3	TO-15
Freon 11		0.26		0.20	ppb v/v	TO-15
Freon 11		1.4		1.1	ug/m3	TO-15
Freon 113		0.083	J	0.20	ppb v/v	TO-15
Freon 113		0.64	J	1.5	ug/m3	TO-15
Acetone		27		5.0	ppb v/v	TO-15
Acetone		65		12	ug/m3	TO-15
Isopropyl alcohol		600	E	5.0	ppb v/v	TO-15
Isopropyl alcohol		1500	E	12	ug/m3	TO-15
Methylene Chloride		2.9		0.50	ppb v/v	TO-15
Methylene Chloride		10		1.7	ug/m3	TO-15
Hexane		0.23		0.20	ppb v/v	TO-15
Hexane		0.80		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		25		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		72		1.5	ug/m3	TO-15
Cyclohexane		1.3		0.20	ppb v/v	TO-15
Cyclohexane		4.6		0.69	ug/m3	TO-15
Carbon tetrachloride		0.065		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.41		0.25	ug/m3	TO-15
2,2,4-Trimethylpentane		0.16	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.77	J	0.93	ug/m3	TO-15
Benzene		0.36		0.20	ppb v/v	TO-15
Benzene		1.1		0.64	ug/m3	TO-15
Trichloroethene		0.037	J	0.040	ppb v/v	TO-15
Trichloroethene		0.20	J	0.21	ug/m3	TO-15
Methyl methacrylate		0.25	J	0.50	ppb v/v	TO-15
Methyl methacrylate		1.0	J	2.0	ug/m3	TO-15
methyl isobutyl ketone		0.084	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.34	J	2.0	ug/m3	TO-15
Toluene		0.67		0.20	ppb v/v	TO-15
Toluene		2.5		0.75	ug/m3	TO-15
Tetrachloroethene		0.13	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.87	J	1.4	ug/m3	TO-15
Ethylbenzene		0.10	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.45	J	0.87	ug/m3	TO-15
m,p-Xylene		0.28	J	0.50	ppb v/v	TO-15
m,p-Xylene		1.2	J	2.2	ug/m3	TO-15
Xylene, o-		0.12	J	0.20	ppb v/v	TO-15
Xylene, o-		0.51	J	0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene (total)		0.40		0.20	ppb v/v	TO-15
Xylene (total)		1.7		0.87	ug/m3	TO-15
Styrene		0.059	J	0.20	ppb v/v	TO-15
Styrene		0.25	J	0.85	ug/m3	TO-15
4-Ethyltoluene		0.038	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.19	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.040	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.20	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.13	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.65	J	0.98	ug/m3	TO-15
1,3-Dichlorobenzene		0.82	B	0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		4.9	B	1.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-22	**SS-VMP-4**					
Freon 22		0.43	J	1.0	ppb v/v	TO-15
Freon 22		1.5	J	3.5	ug/m3	TO-15
Freon 11		1.4		0.40	ppb v/v	TO-15
Freon 11		8.0		2.2	ug/m3	TO-15
Acetone		36		10	ppb v/v	TO-15
Acetone		84		24	ug/m3	TO-15
Isopropyl alcohol		610	E	10	ppb v/v	TO-15
Isopropyl alcohol		1500	E	25	ug/m3	TO-15
Methylene Chloride		1.4		1.0	ppb v/v	TO-15
Methylene Chloride		5.0		3.5	ug/m3	TO-15
Methyl Ethyl Ketone		23		1.0	ppb v/v	TO-15
Methyl Ethyl Ketone		66		2.9	ug/m3	TO-15
Cyclohexane		11		0.40	ppb v/v	TO-15
Cyclohexane		40		1.4	ug/m3	TO-15
Benzene		0.30	J	0.40	ppb v/v	TO-15
Benzene		0.95	J	1.3	ug/m3	TO-15
Toluene		1.0		0.40	ppb v/v	TO-15
Toluene		3.8		1.5	ug/m3	TO-15
Tetrachloroethene		0.48		0.40	ppb v/v	TO-15
Tetrachloroethene		3.3		2.7	ug/m3	TO-15
Chlorobenzene		0.12	J	0.40	ppb v/v	TO-15
Chlorobenzene		0.56	J	1.8	ug/m3	TO-15
Ethylbenzene		0.18	J	0.40	ppb v/v	TO-15
Ethylbenzene		0.80	J	1.7	ug/m3	TO-15
m,p-Xylene		0.38	J	1.0	ppb v/v	TO-15
m,p-Xylene		1.7	J	4.3	ug/m3	TO-15
Xylene, o-		0.13	J	0.40	ppb v/v	TO-15
Xylene, o-		0.55	J	1.7	ug/m3	TO-15
Xylene (total)		0.51		0.40	ppb v/v	TO-15
Xylene (total)		2.2		1.7	ug/m3	TO-15
Styrene		0.46		0.40	ppb v/v	TO-15
Styrene		1.9		1.7	ug/m3	TO-15
4-Ethyltoluene		0.075	J	0.40	ppb v/v	TO-15
4-Ethyltoluene		0.37	J	2.0	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.062	J	0.40	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.30	J	2.0	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.18	J	0.40	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.87	J	2.0	ug/m3	TO-15
1,3-Dichlorobenzene		0.45	B	0.40	ppb v/v	TO-15
1,3-Dichlorobenzene		2.7	B	2.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-24	**SS-VMP-5A**					
Freon 22		2.4	J	2.9	ppb v/v	TO-15
Freon 22		8.4	J	10	ug/m3	TO-15
Freon 113		3.1		1.1	ppb v/v	TO-15
Freon 113		24		8.8	ug/m3	TO-15
Acetone		26	J	29	ppb v/v	TO-15
Acetone		62	J	68	ug/m3	TO-15
Isopropyl alcohol		510	E	29	ppb v/v	TO-15
Isopropyl alcohol		1200	E	70	ug/m3	TO-15
Carbon disulfide		1.4	J	2.9	ppb v/v	TO-15
Carbon disulfide		4.3	J	8.9	ug/m3	TO-15
Methylene Chloride		100		2.9	ppb v/v	TO-15
Methylene Chloride		350		9.9	ug/m3	TO-15
Hexane		0.70	J	1.1	ppb v/v	TO-15
Hexane		2.5	J	4.0	ug/m3	TO-15
1,1-Dichloroethane		0.98	J	1.1	ppb v/v	TO-15
1,1-Dichloroethane		4.0	J	4.6	ug/m3	TO-15
Methyl Ethyl Ketone		18		2.9	ppb v/v	TO-15
Methyl Ethyl Ketone		54		8.4	ug/m3	TO-15
Chloroform		10		1.1	ppb v/v	TO-15
Chloroform		51		5.6	ug/m3	TO-15
1,1,1-Trichloroethane		2.2		1.1	ppb v/v	TO-15
1,1,1-Trichloroethane		12		6.2	ug/m3	TO-15
Cyclohexane		0.97	J	1.1	ppb v/v	TO-15
Cyclohexane		3.3	J	3.9	ug/m3	TO-15
2,2,4-Trimethylpentane		0.60	J	1.1	ppb v/v	TO-15
2,2,4-Trimethylpentane		2.8	J	5.3	ug/m3	TO-15
Benzene		0.36	J	1.1	ppb v/v	TO-15
Benzene		1.2	J	3.6	ug/m3	TO-15
Trichloroethene		4.8		0.23	ppb v/v	TO-15
Trichloroethene		26		1.2	ug/m3	TO-15
1,4-Dioxane		1.5	J	29	ppb v/v	TO-15
1,4-Dioxane		5.5	J	100	ug/m3	TO-15
Toluene		1.6		1.1	ppb v/v	TO-15
Toluene		5.9		4.3	ug/m3	TO-15
Tetrachloroethene		2.3		1.1	ppb v/v	TO-15
Tetrachloroethene		16		7.7	ug/m3	TO-15
Ethylbenzene		0.17	J	1.1	ppb v/v	TO-15
Ethylbenzene		0.75	J	5.0	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.19	J	1.1	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.94	J	5.6	ug/m3	TO-15
1,3-Dichlorobenzene		0.62	J B	1.1	ppb v/v	TO-15
1,3-Dichlorobenzene		3.8	J B	6.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-25	**SS-VMP-7**					
Freon 12		17		4.0	ppb v/v	TO-15
Freon 12		85		20	ug/m3	TO-15
Freon 11		3.9		1.6	ppb v/v	TO-15
Freon 11		22		9.0	ug/m3	TO-15
Freon 113		0.55	J	1.6	ppb v/v	TO-15
Freon 113		4.2	J	12	ug/m3	TO-15
Acetone		36	J	40	ppb v/v	TO-15
Acetone		86	J	95	ug/m3	TO-15
Isopropyl alcohol		900	E	40	ppb v/v	TO-15
Isopropyl alcohol		2200	E	98	ug/m3	TO-15
Methylene Chloride		190		4.0	ppb v/v	TO-15
Methylene Chloride		670		14	ug/m3	TO-15
1,1-Dichloroethane		2.0		1.6	ppb v/v	TO-15
1,1-Dichloroethane		8.3		6.5	ug/m3	TO-15
Methyl Ethyl Ketone		25		4.0	ppb v/v	TO-15
Methyl Ethyl Ketone		73		12	ug/m3	TO-15
Tetrahydrofuran		14	J	40	ppb v/v	TO-15
Tetrahydrofuran		40	J	120	ug/m3	TO-15
Cyclohexane		2.7		1.6	ppb v/v	TO-15
Cyclohexane		9.4		5.5	ug/m3	TO-15
Toluene		1.8		1.6	ppb v/v	TO-15
Toluene		6.6		6.0	ug/m3	TO-15
1,3-Dichlorobenzene		0.65	J B	1.6	ppb v/v	TO-15
1,3-Dichlorobenzene		3.9	J B	9.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-28	**SS-VMP-7A**					
Freon 113		0.44	J	1.5	ppb v/v	TO-15
Freon 113		3.4	J	11	ug/m3	TO-15
Acetone		19	J	37	ppb v/v	TO-15
Acetone		45	J	89	ug/m3	TO-15
Isopropyl alcohol		690	E	37	ppb v/v	TO-15
Isopropyl alcohol		1700	E	92	ug/m3	TO-15
Methylene Chloride		130		3.7	ppb v/v	TO-15
Methylene Chloride		460		13	ug/m3	TO-15
1,1-Dichloroethane		0.37	J	1.5	ppb v/v	TO-15
1,1-Dichloroethane		1.5	J	6.1	ug/m3	TO-15
Methyl Ethyl Ketone		17		3.7	ppb v/v	TO-15
Methyl Ethyl Ketone		49		11	ug/m3	TO-15
Chloroform		9.1		1.5	ppb v/v	TO-15
Chloroform		44		7.3	ug/m3	TO-15
1,1,1-Trichloroethane		1.3	J	1.5	ppb v/v	TO-15
1,1,1-Trichloroethane		7.0	J	8.2	ug/m3	TO-15
Cyclohexane		2.0		1.5	ppb v/v	TO-15
Cyclohexane		7.0		5.2	ug/m3	TO-15
Trichloroethene		2.7		0.30	ppb v/v	TO-15
Trichloroethene		14		1.6	ug/m3	TO-15
Toluene		1.2	J	1.5	ppb v/v	TO-15
Toluene		4.4	J	5.6	ug/m3	TO-15
1,3-Dichlorobenzene		0.72	J B	1.5	ppb v/v	TO-15
1,3-Dichlorobenzene		4.4	J B	9.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-20955-30	**SS-DUP-021214**					
Freon 113		0.70	J	1.5	ppb v/v	TO-15
Freon 113		5.4	J	11	ug/m3	TO-15
Acetone		31	J	37	ppb v/v	TO-15
Acetone		74	J	89	ug/m3	TO-15
Isopropyl alcohol		1200	E	37	ppb v/v	TO-15
Isopropyl alcohol		2900	E	92	ug/m3	TO-15
Methylene Chloride		210		3.7	ppb v/v	TO-15
Methylene Chloride		720		13	ug/m3	TO-15
Hexane		0.94	J	1.5	ppb v/v	TO-15
Hexane		3.3	J	5.3	ug/m3	TO-15
1,1-Dichloroethane		0.49	J	1.5	ppb v/v	TO-15
1,1-Dichloroethane		2.0	J	6.1	ug/m3	TO-15
Methyl Ethyl Ketone		28		3.7	ppb v/v	TO-15
Methyl Ethyl Ketone		82		11	ug/m3	TO-15
Chloroform		14		1.5	ppb v/v	TO-15
Chloroform		69		7.3	ug/m3	TO-15
Tetrahydrofuran		20	J	37	ppb v/v	TO-15
Tetrahydrofuran		58	J	110	ug/m3	TO-15
1,1,1-Trichloroethane		1.9		1.5	ppb v/v	TO-15
1,1,1-Trichloroethane		10		8.2	ug/m3	TO-15
Cyclohexane		3.2		1.5	ppb v/v	TO-15
Cyclohexane		11		5.1	ug/m3	TO-15
Benzene		0.44	J	1.5	ppb v/v	TO-15
Benzene		1.4	J	4.8	ug/m3	TO-15
Trichloroethene		3.8		0.30	ppb v/v	TO-15
Trichloroethene		21		1.6	ug/m3	TO-15
Toluene		1.8		1.5	ppb v/v	TO-15
Toluene		6.9		5.6	ug/m3	TO-15
Ethylbenzene		0.15	J	1.5	ppb v/v	TO-15
Ethylbenzene		0.65	J	6.5	ug/m3	TO-15
Styrene		0.23	J	1.5	ppb v/v	TO-15
Styrene		0.98	J	6.4	ug/m3	TO-15
1,3-Dichlorobenzene		1.2	J B	1.5	ppb v/v	TO-15
1,3-Dichlorobenzene		7.5	J B	9.0	ug/m3	TO-15
200-20969-1	**SS-VMP-7B**					
Isopropyl alcohol		460		120	ppb v/v	TO-15
Isopropyl alcohol		1100		290	ug/m3	TO-15
Methylene Chloride		58		12	ppb v/v	TO-15
Methylene Chloride		200		41	ug/m3	TO-15
Chloroform		2.5	J	4.8	ppb v/v	TO-15
Chloroform		12	J	23	ug/m3	TO-15
1,3-Dichlorobenzene		2.1	J B	4.8	ppb v/v	TO-15
1,3-Dichlorobenzene		13	J B	29	ug/m3	TO-15

METHOD SUMMARY

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Method	Analyst	Analyst ID
EPA TO-15	Daigle, Paul A	PAD
EPA TO-15	Lyons, Benjamin P	BPL

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-1B**

Lab Sample ID: 200-20955-2
Client Matrix: Air

Date Sampled: 02/12/2014 1715
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/21/2014 2308			Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 2308			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.52		0.030	0.50
Freon 22	0.30	J	0.048	0.50
Freon-114	0.092	J	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	2.2		0.28	0.50
Vinyl chloride	0.10		0.038	0.040
1,3-Butadiene	0.089	J	0.042	0.20
Bromomethane	0.090	J	0.028	0.20
Chloroethane	0.15	J	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	8.3		0.030	0.20
Freon 113	0.20	U	0.018	0.20
1,1-Dichloroethene	0.10	J	0.024	0.20
Acetone	19		1.3	5.0
Isopropyl alcohol	410	E	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.86		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.098	J	0.029	0.20
Hexane	0.34		0.034	0.20
1,1-Dichloroethane	0.099	J	0.038	0.20
Methyl Ethyl Ketone	15		0.24	0.50
cis-1,2-Dichloroethene	0.23		0.038	0.20
1,2-Dichloroethene, Total	0.33		0.064	0.20
Chloroform	0.20		0.025	0.20
Tetrahydrofuran	0.78	J	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	3.2		0.025	0.20
Carbon tetrachloride	0.10		0.021	0.040
2,2,4-Trimethylpentane	0.38		0.027	0.20
Benzene	0.39		0.019	0.20
1,2-Dichloroethane	0.082	J	0.017	0.20
Heptane	0.24		0.046	0.20
Trichloroethene	0.77		0.024	0.040
Methyl methacrylate	0.15	J	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	0.51	J	0.20	5.0
Bromodichloromethane	0.070	J	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.15	J	0.027	0.50
Toluene	0.80		0.017	0.20
trans-1,3-Dichloropropene	0.074	J	0.022	0.20
1,1,2-Trichloroethane	0.087	J	0.017	0.20
Tetrachloroethene	0.88		0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-1B**

Lab Sample ID: 200-20955-2
Client Matrix: Air

Date Sampled: 02/12/2014 1715
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/21/2014 2308			Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 2308			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.12	J	0.0081	0.20
Ethylbenzene	0.17	J	0.013	0.20
m,p-Xylene	0.35	J	0.023	0.50
Xylene, o-	0.14	J	0.016	0.20
Xylene (total)	0.49		0.034	0.20
Styrene	0.12	J	0.018	0.20
Bromoform	0.069	J	0.010	0.20
1,1,2,2-Tetrachloroethane	0.088	J	0.016	0.20
n-Propylbenzene	0.091	J	0.080	0.20
4-Ethyltoluene	0.097	J	0.018	0.20
1,3,5-Trimethylbenzene	0.082	J	0.012	0.20
2-Chlorotoluene	0.080	J	0.013	0.20
tert-Butylbenzene	0.077	J	0.017	0.20
1,2,4-Trimethylbenzene	0.086	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.22		0.014	0.20
1,4-Dichlorobenzene	0.065	J	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.069	J	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.6		0.15	2.5
Freon 22	1.1	J	0.17	1.8
Freon-114	0.65	J	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	5.1		0.67	1.2
Vinyl chloride	0.27		0.097	0.10
1,3-Butadiene	0.20	J	0.093	0.44
Bromomethane	0.35	J	0.11	0.78
Chloroethane	0.40	J	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	47		0.17	1.1
Freon 113	1.5	U	0.14	1.5
1,1-Dichloroethene	0.41	J	0.095	0.79
Acetone	45		3.0	12
Isopropyl alcohol	1000	E	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-1B**

Lab Sample ID: 200-20955-2
Client Matrix: Air

Date Sampled: 02/12/2014 1715
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/21/2014 2308			Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 2308			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	3.0		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.39	J	0.11	0.79
Hexane	1.2		0.12	0.70
1,1-Dichloroethane	0.40	J	0.15	0.81
Methyl Ethyl Ketone	44		0.71	1.5
cis-1,2-Dichloroethene	0.93		0.15	0.79
1,2-Dichloroethene, Total	1.3		0.25	0.79
Chloroform	0.98		0.12	0.98
Tetrahydrofuran	2.3	J	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	11		0.086	0.69
Carbon tetrachloride	0.65		0.13	0.25
2,2,4-Trimethylpentane	1.8		0.13	0.93
Benzene	1.2		0.061	0.64
1,2-Dichloroethane	0.33	J	0.069	0.81
Heptane	1.0		0.19	0.82
Trichloroethene	4.1		0.13	0.21
Methyl methacrylate	0.63	J	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	1.8	J	0.72	18
Bromodichloromethane	0.47	J	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	0.60	J	0.11	2.0
Toluene	3.0		0.064	0.75
trans-1,3-Dichloropropene	0.34	J	0.10	0.91
1,1,2-Trichloroethane	0.48	J	0.093	1.1
Tetrachloroethene	6.0		0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.55	J	0.037	0.92
Ethylbenzene	0.74	J	0.056	0.87
m,p-Xylene	1.5	J	0.10	2.2
Xylene, o-	0.62	J	0.069	0.87
Xylene (total)	2.1		0.15	0.87
Styrene	0.49	J	0.077	0.85
Bromoform	0.71	J	0.10	2.1
1,1,2,2-Tetrachloroethane	0.60	J	0.11	1.4
n-Propylbenzene	0.45	J	0.39	0.98
4-Ethyltoluene	0.48	J	0.088	0.98
1,3,5-Trimethylbenzene	0.40	J	0.059	0.98
2-Chlorotoluene	0.41	J	0.067	1.0
tert-Butylbenzene	0.42	J	0.093	1.1
1,2,4-Trimethylbenzene	0.42	J	0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-1B**

Lab Sample ID: 200-20955-2
Client Matrix: Air

Date Sampled: 02/12/2014 1715
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/21/2014 2308			Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 2308			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.3		0.084	1.2
1,4-Dichlorobenzene	0.39	J	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	0.42	J	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-2B**

Lab Sample ID: 200-20955-4
Client Matrix: Air

Date Sampled: 02/12/2014 1721
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_017.D
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	02/21/2014 2355			Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 2355			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	27		0.075	1.3
Freon 22	0.32	J	0.12	1.3
Freon-114	0.50	U	0.088	0.50
Chloromethane	1.3	U	0.34	1.3
n-Butane	1.3	U	0.71	1.3
Vinyl chloride	0.10	U	0.095	0.10
1,3-Butadiene	0.50	U	0.11	0.50
Bromomethane	0.50	U	0.070	0.50
Chloroethane	1.3	U	0.075	1.3
Vinyl bromide	0.50	U	0.075	0.50
Freon 11	0.82		0.075	0.50
Freon 113	0.54		0.045	0.50
1,1-Dichloroethene	0.50	U	0.060	0.50
Acetone	15		3.1	13
Isopropyl alcohol	630	E	0.54	13
Carbon disulfide	1.3	U	0.17	1.3
Allyl chloride	1.3	U	0.085	1.3
Methylene Chloride	0.57	J	0.31	1.3
tert-Butyl alcohol	13	U	0.82	13
Methyl tert-butyl ether	0.50	U	0.055	0.50
trans-1,2-Dichloroethene	0.50	U	0.073	0.50
Hexane	0.21	J	0.085	0.50
1,1-Dichloroethane	0.13	J	0.095	0.50
Methyl Ethyl Ketone	19		0.61	1.3
cis-1,2-Dichloroethene	0.50	U	0.095	0.50
1,2-Dichloroethene, Total	0.50	U	0.16	0.50
Chloroform	0.23	J	0.063	0.50
Tetrahydrofuran	1.0	J	0.12	13
1,1,1-Trichloroethane	13		0.053	0.50
Cyclohexane	9.3		0.063	0.50
Carbon tetrachloride	0.10	U	0.053	0.10
2,2,4-Trimethylpentane	0.50	U	0.068	0.50
Benzene	0.29	J	0.048	0.50
1,2-Dichloroethane	0.50	U	0.043	0.50
Heptane	0.50	U	0.12	0.50
Trichloroethene	4.2		0.060	0.10
Methyl methacrylate	1.3	U	0.075	1.3
1,2-Dichloropropane	0.50	U	0.080	0.50
1,4-Dioxane	13	U	0.50	13
Bromodichloromethane	0.50	U	0.043	0.50
cis-1,3-Dichloropropene	0.50	U	0.070	0.50
methyl isobutyl ketone	1.3	U	0.068	1.3
Toluene	0.85		0.043	0.50
trans-1,3-Dichloropropene	0.50	U	0.055	0.50
1,1,2-Trichloroethane	0.50	U	0.043	0.50
Tetrachloroethene	0.36	J	0.040	0.50

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-2B**

Lab Sample ID: 200-20955-4
Client Matrix: Air

Date Sampled: 02/12/2014 1721
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_017.D
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	02/21/2014 2355			Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 2355			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.3	U	0.50	1.3
Dibromochloromethane	0.50	U	0.050	0.50
1,2-Dibromoethane	0.50	U	0.050	0.50
Chlorobenzene	0.14	J	0.020	0.50
Ethylbenzene	0.18	J	0.033	0.50
m,p-Xylene	0.30	J	0.058	1.3
Xylene, o-	0.12	J	0.040	0.50
Xylene (total)	0.42	J	0.085	0.50
Styrene	0.39	J	0.045	0.50
Bromoform	0.50	U	0.025	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.040	0.50
n-Propylbenzene	0.50	U	0.20	0.50
4-Ethyltoluene	0.075	J	0.045	0.50
1,3,5-Trimethylbenzene	0.059	J	0.030	0.50
2-Chlorotoluene	0.50	U	0.033	0.50
tert-Butylbenzene	0.50	U	0.043	0.50
1,2,4-Trimethylbenzene	0.16	J	0.035	0.50
sec-Butylbenzene	0.50	U	0.20	0.50
4-Isopropyltoluene	0.50	U	0.20	0.50
1,3-Dichlorobenzene	0.47	J	0.035	0.50
1,4-Dichlorobenzene	0.50	U	0.035	0.50
Benzyl chloride	0.50	U	0.20	0.50
n-Butylbenzene	0.50	U	0.20	0.50
1,2-Dichlorobenzene	0.50	U	0.035	0.50
1,2,4-Trichlorobenzene	1.3	U	0.068	1.3
Hexachloro-1,3-butadiene	0.50	U	0.055	0.50
Naphthalene	1.3	U	0.50	1.3

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	130		0.37	6.2
Freon 22	1.1	J	0.42	4.4
Freon-114	3.5	U	0.61	3.5
Chloromethane	2.6	U	0.70	2.6
n-Butane	3.0	U	1.7	3.0
Vinyl chloride	0.26	U	0.24	0.26
1,3-Butadiene	1.1	U	0.23	1.1
Bromomethane	1.9	U	0.27	1.9
Chloroethane	3.3	U	0.20	3.3
Vinyl bromide	2.2	U	0.33	2.2
Freon 11	4.6		0.42	2.8
Freon 113	4.1		0.34	3.8
1,1-Dichloroethene	2.0	U	0.24	2.0
Acetone	36		7.4	30
Isopropyl alcohol	1500	E	1.3	31
Carbon disulfide	3.9	U	0.51	3.9
Allyl chloride	3.9	U	0.27	3.9

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-2B**

Lab Sample ID: 200-20955-4
Client Matrix: Air

Date Sampled: 02/12/2014 1721
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_017.D
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	02/21/2014 2355			Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 2355			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	2.0	J	1.1	4.3
tert-Butyl alcohol	38	U	2.5	38
Methyl tert-butyl ether	1.8	U	0.20	1.8
trans-1,2-Dichloroethene	2.0	U	0.29	2.0
Hexane	0.75	J	0.30	1.8
1,1-Dichloroethane	0.51	J	0.38	2.0
Methyl Ethyl Ketone	56		1.8	3.7
cis-1,2-Dichloroethene	2.0	U	0.38	2.0
1,2-Dichloroethene, Total	2.0	U	0.63	2.0
Chloroform	1.1	J	0.31	2.4
Tetrahydrofuran	3.0	J	0.34	37
1,1,1-Trichloroethane	72		0.29	2.7
Cyclohexane	32		0.22	1.7
Carbon tetrachloride	0.63	U	0.33	0.63
2,2,4-Trimethylpentane	2.3	U	0.32	2.3
Benzene	0.92	J	0.15	1.6
1,2-Dichloroethane	2.0	U	0.17	2.0
Heptane	2.0	U	0.47	2.0
Trichloroethene	23		0.32	0.54
Methyl methacrylate	5.1	U	0.31	5.1
1,2-Dichloropropane	2.3	U	0.37	2.3
1,4-Dioxane	45	U	1.8	45
Bromodichloromethane	3.4	U	0.28	3.4
cis-1,3-Dichloropropene	2.3	U	0.32	2.3
methyl isobutyl ketone	5.1	U	0.28	5.1
Toluene	3.2		0.16	1.9
trans-1,3-Dichloropropene	2.3	U	0.25	2.3
1,1,2-Trichloroethane	2.7	U	0.23	2.7
Tetrachloroethene	2.4	J	0.27	3.4
Methyl Butyl Ketone (2-Hexanone)	5.1	U	2.0	5.1
Dibromochloromethane	4.3	U	0.43	4.3
1,2-Dibromoethane	3.8	U	0.38	3.8
Chlorobenzene	0.64	J	0.093	2.3
Ethylbenzene	0.78	J	0.14	2.2
m,p-Xylene	1.3	J	0.25	5.4
Xylene, o-	0.53	J	0.17	2.2
Xylene (total)	1.8	J	0.37	2.2
Styrene	1.7	J	0.19	2.1
Bromoform	5.2	U	0.26	5.2
1,1,2,2-Tetrachloroethane	3.4	U	0.27	3.4
n-Propylbenzene	2.5	U	0.98	2.5
4-Ethyltoluene	0.37	J	0.22	2.5
1,3,5-Trimethylbenzene	0.29	J	0.15	2.5
2-Chlorotoluene	2.6	U	0.17	2.6
tert-Butylbenzene	2.7	U	0.23	2.7
1,2,4-Trimethylbenzene	0.79	J	0.17	2.5

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-2B**

Lab Sample ID: 200-20955-4
Client Matrix: Air

Date Sampled: 02/12/2014 1721
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_017.D
Dilution:	2.5			Initial Weight/Volume:	80 mL
Analysis Date:	02/21/2014 2355			Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 2355			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	2.7	U	1.1	2.7
4-Isopropyltoluene	2.7	U	1.1	2.7
1,3-Dichlorobenzene	2.8	J	0.21	3.0
1,4-Dichlorobenzene	3.0	U	0.21	3.0
Benzyl chloride	2.6	U	1.0	2.6
n-Butylbenzene	2.7	U	1.1	2.7
1,2-Dichlorobenzene	3.0	U	0.21	3.0
1,2,4-Trichlorobenzene	9.3	U	0.50	9.3
Hexachloro-1,3-butadiene	5.3	U	0.59	5.3
Naphthalene	6.6	U	2.6	6.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-2C**

Lab Sample ID: 200-20955-6
Client Matrix: Air

Date Sampled: 02/12/2014 1727
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_018.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/22/2014 0043			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0043			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.37	J	0.030	0.50
Freon 22	0.37	J	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.53		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.35		0.030	0.20
Freon 113	0.077	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	16		1.3	5.0
Isopropyl alcohol	610	E	0.22	5.0
Carbon disulfide	0.87		0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	5.4		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.19	J	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	21		0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	1.1	J	0.046	5.0
1,1,1-Trichloroethane	0.35		0.021	0.20
Cyclohexane	9.5		0.025	0.20
Carbon tetrachloride	0.054		0.021	0.040
2,2,4-Trimethylpentane	0.12	J	0.027	0.20
Benzene	0.27		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.17	J	0.046	0.20
Trichloroethene	0.026	J	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.21	J	0.027	0.50
Toluene	0.84		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.044	J	0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-2C**

Lab Sample ID: 200-20955-6
Client Matrix: Air

Date Sampled: 02/12/2014 1727
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_018.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/22/2014 0043			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0043			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.12	J	0.0081	0.20
Ethylbenzene	0.18	J	0.013	0.20
m,p-Xylene	0.34	J	0.023	0.50
Xylene, o-	0.13	J	0.016	0.20
Xylene (total)	0.47		0.034	0.20
Styrene	0.46		0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.067	J	0.018	0.20
1,3,5-Trimethylbenzene	0.057	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.17	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.63		0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	1.8	J	0.15	2.5
Freon 22	1.3	J	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	1.3		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	2.0		0.17	1.1
Freon 113	0.59	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	39		3.0	12
Isopropyl alcohol	1500	E	0.53	12
Carbon disulfide	2.7		0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-2C**

Lab Sample ID: 200-20955-6
Client Matrix: Air

Date Sampled: 02/12/2014 1727
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_018.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/22/2014 0043			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0043			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	19		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.66	J	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	61		0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	3.2	J	0.14	15
1,1,1-Trichloroethane	1.9		0.11	1.1
Cyclohexane	33		0.086	0.69
Carbon tetrachloride	0.34		0.13	0.25
2,2,4-Trimethylpentane	0.57	J	0.13	0.93
Benzene	0.87		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.70	J	0.19	0.82
Trichloroethene	0.14	J	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	0.84	J	0.11	2.0
Toluene	3.2		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	0.30	J	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.57	J	0.037	0.92
Ethylbenzene	0.80	J	0.056	0.87
m,p-Xylene	1.5	J	0.10	2.2
Xylene, o-	0.58	J	0.069	0.87
Xylene (total)	2.0		0.15	0.87
Styrene	2.0		0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.33	J	0.088	0.98
1,3,5-Trimethylbenzene	0.28	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.86	J	0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-2C**

Lab Sample ID: 200-20955-6
Client Matrix: Air

Date Sampled: 02/12/2014 1727
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_018.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/22/2014 0043			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0043			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	3.8		0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-3A**

Lab Sample ID: 200-20955-8
Client Matrix: Air

Date Sampled: 02/12/2014 1703
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_020.D
Dilution:	20.1			Initial Weight/Volume:	38 mL
Analysis Date:	02/22/2014 0217			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0217			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	10	U	0.60	10
Freon 22	2.4	J	0.96	10
Freon-114	4.0	U	0.70	4.0
Chloromethane	10	U	2.7	10
n-Butane	10	U	5.7	10
Vinyl chloride	0.80	U	0.76	0.80
1,3-Butadiene	4.0	U	0.84	4.0
Bromomethane	4.0	U	0.56	4.0
Chloroethane	10	U	0.60	10
Vinyl bromide	4.0	U	0.60	4.0
Freon 11	4.0	U	0.60	4.0
Freon 113	4.0	U	0.36	4.0
1,1-Dichloroethene	4.0	U	0.48	4.0
Acetone	100	U	25	100
Isopropyl alcohol	620		4.3	100
Carbon disulfide	10	U	1.3	10
Allyl chloride	10	U	0.68	10
Methylene Chloride	400		2.5	10
tert-Butyl alcohol	100	U	6.6	100
Methyl tert-butyl ether	4.0	U	0.44	4.0
trans-1,2-Dichloroethene	4.0	U	0.58	4.0
Hexane	4.0	U	0.68	4.0
1,1-Dichloroethane	4.0	U	0.76	4.0
Methyl Ethyl Ketone	12		4.9	10
cis-1,2-Dichloroethene	4.0	U	0.76	4.0
1,2-Dichloroethene, Total	4.0	U	1.3	4.0
Chloroform	4.0	U	0.50	4.0
Tetrahydrofuran	2.0	J	0.92	100
1,1,1-Trichloroethane	4.0	U	0.42	4.0
Cyclohexane	4.0	U	0.50	4.0
Carbon tetrachloride	0.80	U	0.42	0.80
2,2,4-Trimethylpentane	4.0	U	0.54	4.0
Benzene	4.0	U	0.38	4.0
1,2-Dichloroethane	4.0	U	0.34	4.0
Heptane	4.0	U	0.92	4.0
Trichloroethene	0.80	U	0.48	0.80
Methyl methacrylate	10	U	0.60	10
1,2-Dichloropropane	4.0	U	0.64	4.0
1,4-Dioxane	100	U	4.0	100
Bromodichloromethane	4.0	U	0.34	4.0
cis-1,3-Dichloropropene	4.0	U	0.56	4.0
methyl isobutyl ketone	10	U	0.54	10
Toluene	1.5	J	0.34	4.0
trans-1,3-Dichloropropene	4.0	U	0.44	4.0
1,1,2-Trichloroethane	4.0	U	0.34	4.0
Tetrachloroethene	4.0	U	0.32	4.0

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-3A**

Lab Sample ID: 200-20955-8
Client Matrix: Air

Date Sampled: 02/12/2014 1703
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_020.D
Dilution:	20.1			Initial Weight/Volume:	38 mL
Analysis Date:	02/22/2014 0217			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0217			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	10	U	4.0	10
Dibromochloromethane	4.0	U	0.40	4.0
1,2-Dibromoethane	4.0	U	0.40	4.0
Chlorobenzene	4.0	U	0.16	4.0
Ethylbenzene	4.0	U	0.26	4.0
m,p-Xylene	10	U	0.46	10
Xylene, o-	4.0	U	0.32	4.0
Xylene (total)	4.0	U	0.68	4.0
Styrene	4.0	U	0.36	4.0
Bromoform	4.0	U	0.20	4.0
1,1,2,2-Tetrachloroethane	4.0	U	0.32	4.0
n-Propylbenzene	4.0	U	1.6	4.0
4-Ethyltoluene	4.0	U	0.36	4.0
1,3,5-Trimethylbenzene	4.0	U	0.24	4.0
2-Chlorotoluene	4.0	U	0.26	4.0
tert-Butylbenzene	4.0	U	0.34	4.0
1,2,4-Trimethylbenzene	4.0	U	0.28	4.0
sec-Butylbenzene	4.0	U	1.6	4.0
4-Isopropyltoluene	4.0	U	1.6	4.0
1,3-Dichlorobenzene	0.63	J	0.28	4.0
1,4-Dichlorobenzene	4.0	U	0.28	4.0
Benzyl chloride	4.0	U	1.6	4.0
n-Butylbenzene	4.0	U	1.6	4.0
1,2-Dichlorobenzene	4.0	U	0.28	4.0
1,2,4-Trichlorobenzene	10	U	0.54	10
Hexachloro-1,3-butadiene	4.0	U	0.44	4.0
Naphthalene	10	U	4.0	10

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	50	U	3.0	50
Freon 22	8.5	J	3.4	36
Freon-114	28	U	4.9	28
Chloromethane	21	U	5.6	21
n-Butane	24	U	13	24
Vinyl chloride	2.1	U	2.0	2.1
1,3-Butadiene	8.9	U	1.9	8.9
Bromomethane	16	U	2.2	16
Chloroethane	27	U	1.6	27
Vinyl bromide	18	U	2.6	18
Freon 11	23	U	3.4	23
Freon 113	31	U	2.8	31
1,1-Dichloroethene	16	U	1.9	16
Acetone	240	U	60	240
Isopropyl alcohol	1500		11	250
Carbon disulfide	31	U	4.1	31
Allyl chloride	31	U	2.1	31

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-3A**

Lab Sample ID: 200-20955-8
Client Matrix: Air

Date Sampled: 02/12/2014 1703
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_020.D
Dilution:	20.1			Initial Weight/Volume:	38 mL
Analysis Date:	02/22/2014 0217			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0217			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	1400		8.7	35
tert-Butyl alcohol	300	U	20	300
Methyl tert-butyl ether	14	U	1.6	14
trans-1,2-Dichloroethene	16	U	2.3	16
Hexane	14	U	2.4	14
1,1-Dichloroethane	16	U	3.1	16
Methyl Ethyl Ketone	35		14	30
cis-1,2-Dichloroethene	16	U	3.0	16
1,2-Dichloroethene, Total	16	U	5.1	16
Chloroform	20	U	2.5	20
Tetrahydrofuran	6.0	J	2.7	300
1,1,1-Trichloroethane	22	U	2.3	22
Cyclohexane	14	U	1.7	14
Carbon tetrachloride	5.1	U	2.7	5.1
2,2,4-Trimethylpentane	19	U	2.5	19
Benzene	13	U	1.2	13
1,2-Dichloroethane	16	U	1.4	16
Heptane	16	U	3.8	16
Trichloroethene	4.3	U	2.6	4.3
Methyl methacrylate	41	U	2.5	41
1,2-Dichloropropane	19	U	3.0	19
1,4-Dioxane	360	U	14	360
Bromodichloromethane	27	U	2.3	27
cis-1,3-Dichloropropene	18	U	2.6	18
methyl isobutyl ketone	41	U	2.2	41
Toluene	5.7	J	1.3	15
trans-1,3-Dichloropropene	18	U	2.0	18
1,1,2-Trichloroethane	22	U	1.9	22
Tetrachloroethene	27	U	2.2	27
Methyl Butyl Ketone (2-Hexanone)	41	U	16	41
Dibromochloromethane	34	U	3.4	34
1,2-Dibromoethane	31	U	3.1	31
Chlorobenzene	19	U	0.75	19
Ethylbenzene	17	U	1.1	17
m,p-Xylene	44	U	2.0	44
Xylene, o-	17	U	1.4	17
Xylene (total)	17	U	3.0	17
Styrene	17	U	1.5	17
Bromoform	42	U	2.1	42
1,1,2,2-Tetrachloroethane	28	U	2.2	28
n-Propylbenzene	20	U	7.9	20
4-Ethyltoluene	20	U	1.8	20
1,3,5-Trimethylbenzene	20	U	1.2	20
2-Chlorotoluene	21	U	1.4	21
tert-Butylbenzene	22	U	1.9	22
1,2,4-Trimethylbenzene	20	U	1.4	20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-3A**

Lab Sample ID: 200-20955-8
Client Matrix: Air

Date Sampled: 02/12/2014 1703
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_020.D
Dilution:	20.1			Initial Weight/Volume:	38 mL
Analysis Date:	02/22/2014 0217			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0217			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	22	U	8.8	22
4-Isopropyltoluene	22	U	8.8	22
1,3-Dichlorobenzene	3.8	J	1.7	24
1,4-Dichlorobenzene	24	U	1.7	24
Benzyl chloride	21	U	8.3	21
n-Butylbenzene	22	U	8.8	22
1,2-Dichlorobenzene	24	U	1.7	24
1,2,4-Trichlorobenzene	75	U	4.0	75
Hexachloro-1,3-butadiene	43	U	4.7	43
Naphthalene	53	U	21	53

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-3B**

Lab Sample ID: 200-20955-10
Client Matrix: Air

Date Sampled: 02/12/2014 1725
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_021.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/22/2014 0304			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0304			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.20	J	0.030	0.50
Freon 22	0.25	J	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.87		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.11	J	0.030	0.20
Freon 113	0.032	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	10		1.3	5.0
Isopropyl alcohol	150	E	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	5.9		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.33		0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	4.5		0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	0.19	J	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.27		0.025	0.20
Carbon tetrachloride	0.035	J	0.021	0.040
2,2,4-Trimethylpentane	0.088	J	0.027	0.20
Benzene	0.18	J	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.25		0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.12	J	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.33		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.20	U	0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-3B**

Lab Sample ID: 200-20955-10
Client Matrix: Air

Date Sampled: 02/12/2014 1725
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_021.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/22/2014 0304			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0304			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.042	J	0.013	0.20
m,p-Xylene	0.12	J	0.023	0.50
Xylene, o-	0.047	J	0.016	0.20
Xylene (total)	0.17	J	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.019	J	0.018	0.20
1,3,5-Trimethylbenzene	0.019	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.043	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.68		0.080	0.20
1,3-Dichlorobenzene	0.31		0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	1.0	J	0.15	2.5
Freon 22	0.87	J	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	2.1		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	0.61	J	0.17	1.1
Freon 113	0.24	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	24		3.0	12
Isopropyl alcohol	380	E	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-3B**

Lab Sample ID: 200-20955-10
Client Matrix: Air

Date Sampled: 02/12/2014 1725
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_021.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/22/2014 0304			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0304			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	21		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	1.1		0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	13		0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	0.55	J	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.94		0.086	0.69
Carbon tetrachloride	0.22	J	0.13	0.25
2,2,4-Trimethylpentane	0.41	J	0.13	0.93
Benzene	0.59	J	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	1.0		0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	0.49	J	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	1.2		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.18	J	0.056	0.87
m,p-Xylene	0.50	J	0.10	2.2
Xylene, o-	0.20	J	0.069	0.87
Xylene (total)	0.73	J	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.095	J	0.088	0.98
1,3,5-Trimethylbenzene	0.095	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.21	J	0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-3B**

Lab Sample ID: 200-20955-10
Client Matrix: Air

Date Sampled: 02/12/2014 1725
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_021.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/22/2014 0304			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0304			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	3.7		0.44	1.1
1,3-Dichlorobenzene	1.9		0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-3D**

Lab Sample ID: 200-20955-12
Client Matrix: Air

Date Sampled: 02/12/2014 1732
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_022.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/22/2014 0351			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0351			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.38	J	0.030	0.50
Freon 22	0.32	J	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.96		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.24		0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.23		0.030	0.20
Freon 113	0.063	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	14		1.3	5.0
Isopropyl alcohol	500	E	0.22	5.0
Carbon disulfide	0.22	J	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	8.4		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.13	J	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	14		0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	0.77	J	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.85		0.025	0.20
Carbon tetrachloride	0.057		0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.23		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.22	J	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.12	J	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.021	J	0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-3D**

Lab Sample ID: 200-20955-12
Client Matrix: Air

Date Sampled: 02/12/2014 1732
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_022.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/22/2014 0351			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0351			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.20	U	0.013	0.20
m,p-Xylene	0.50	U	0.023	0.50
Xylene, o-	0.20	U	0.016	0.20
Xylene (total)	0.20	U	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	1.9	J	0.15	2.5
Freon 22	1.1	J	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	2.3		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.54		0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.3		0.17	1.1
Freon 113	0.48	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	33		3.0	12
Isopropyl alcohol	1200	E	0.53	12
Carbon disulfide	0.68	J	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-3D**

Lab Sample ID: 200-20955-12
Client Matrix: Air

Date Sampled: 02/12/2014 1732
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_022.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/22/2014 0351			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0351			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	29		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.46	J	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	42		0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	2.3	J	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	2.9		0.086	0.69
Carbon tetrachloride	0.36		0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.73		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	0.89	J	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	0.44	J	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	0.14	J	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.87	U	0.056	0.87
m,p-Xylene	2.2	U	0.10	2.2
Xylene, o-	0.87	U	0.069	0.87
Xylene (total)	0.87	U	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-3D**

Lab Sample ID: 200-20955-12
Client Matrix: Air

Date Sampled: 02/12/2014 1732
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_022.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/22/2014 0351			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0351			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-5B**

Lab Sample ID: 200-20955-14
Client Matrix: Air

Date Sampled: 02/12/2014 1713
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_024.D
Dilution:	6.9			Initial Weight/Volume:	29 mL
Analysis Date:	02/22/2014 0525			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0525			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	3.5	U	0.21	3.5
Freon 22	3.5	U	0.33	3.5
Freon-114	1.4	U	0.24	1.4
Chloromethane	3.5	U	0.94	3.5
n-Butane	3.5	U	1.9	3.5
Vinyl chloride	0.28	U	0.26	0.28
1,3-Butadiene	1.4	U	0.29	1.4
Bromomethane	1.4	U	0.19	1.4
Chloroethane	3.5	U	0.21	3.5
Vinyl bromide	1.4	U	0.21	1.4
Freon 11	1.4	U	0.21	1.4
Freon 113	1.4	U	0.12	1.4
1,1-Dichloroethene	1.4	U	0.17	1.4
Acetone	35	U	8.6	35
Isopropyl alcohol	390	E	1.5	35
Carbon disulfide	3.5	U	0.46	3.5
Allyl chloride	3.5	U	0.23	3.5
Methylene Chloride	87		0.86	3.5
tert-Butyl alcohol	35	U	2.3	35
Methyl tert-butyl ether	1.4	U	0.15	1.4
trans-1,2-Dichloroethene	1.4	U	0.20	1.4
Hexane	1.4	U	0.23	1.4
1,1-Dichloroethane	1.4	U	0.26	1.4
Methyl Ethyl Ketone	7.6		1.7	3.5
cis-1,2-Dichloroethene	1.4	U	0.26	1.4
1,2-Dichloroethene, Total	1.4	U	0.44	1.4
Chloroform	1.4	U	0.17	1.4
Tetrahydrofuran	1.2	J	0.32	35
1,1,1-Trichloroethane	1.4	U	0.14	1.4
Cyclohexane	0.86	J	0.17	1.4
Carbon tetrachloride	0.28	U	0.14	0.28
2,2,4-Trimethylpentane	1.4	U	0.19	1.4
Benzene	0.31	J	0.13	1.4
1,2-Dichloroethane	1.4	U	0.12	1.4
Heptane	1.4	U	0.32	1.4
Trichloroethene	0.28	U	0.17	0.28
Methyl methacrylate	3.5	U	0.21	3.5
1,2-Dichloropropane	1.4	U	0.22	1.4
1,4-Dioxane	35	U	1.4	35
Bromodichloromethane	1.4	U	0.12	1.4
cis-1,3-Dichloropropene	1.4	U	0.19	1.4
methyl isobutyl ketone	3.5	U	0.19	3.5
Toluene	0.84	J	0.12	1.4
trans-1,3-Dichloropropene	1.4	U	0.15	1.4
1,1,2-Trichloroethane	1.4	U	0.12	1.4
Tetrachloroethene	1.4	U	0.11	1.4

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-5B**

Lab Sample ID: 200-20955-14
Client Matrix: Air

Date Sampled: 02/12/2014 1713
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_024.D
Dilution:	6.9			Initial Weight/Volume:	29 mL
Analysis Date:	02/22/2014 0525			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0525			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	3.5	U	1.4	3.5
Dibromochloromethane	1.4	U	0.14	1.4
1,2-Dibromoethane	1.4	U	0.14	1.4
Chlorobenzene	1.4	U	0.056	1.4
Ethylbenzene	1.4	U	0.090	1.4
m,p-Xylene	3.5	U	0.16	3.5
Xylene, o-	1.4	U	0.11	1.4
Xylene (total)	1.4	U	0.23	1.4
Styrene	1.4	U	0.12	1.4
Bromoform	1.4	U	0.069	1.4
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	1.4	U	0.55	1.4
4-Ethyltoluene	1.4	U	0.12	1.4
1,3,5-Trimethylbenzene	1.4	U	0.083	1.4
2-Chlorotoluene	1.4	U	0.090	1.4
tert-Butylbenzene	1.4	U	0.12	1.4
1,2,4-Trimethylbenzene	1.4	U	0.097	1.4
sec-Butylbenzene	1.4	U	0.55	1.4
4-Isopropyltoluene	1.4	U	0.55	1.4
1,3-Dichlorobenzene	0.37	J	0.097	1.4
1,4-Dichlorobenzene	1.4	U	0.097	1.4
Benzyl chloride	1.4	U	0.55	1.4
n-Butylbenzene	1.4	U	0.55	1.4
1,2-Dichlorobenzene	1.4	U	0.097	1.4
1,2,4-Trichlorobenzene	3.5	U	0.19	3.5
Hexachloro-1,3-butadiene	1.4	U	0.15	1.4
Naphthalene	3.5	U	1.4	3.5

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	17	U	1.0	17
Freon 22	12	U	1.2	12
Freon-114	9.6	U	1.7	9.6
Chloromethane	7.1	U	1.9	7.1
n-Butane	8.2	U	4.6	8.2
Vinyl chloride	0.71	U	0.67	0.71
1,3-Butadiene	3.1	U	0.64	3.1
Bromomethane	5.4	U	0.75	5.4
Chloroethane	9.1	U	0.55	9.1
Vinyl bromide	6.0	U	0.91	6.0
Freon 11	7.8	U	1.2	7.8
Freon 113	11	U	0.95	11
1,1-Dichloroethene	5.5	U	0.66	5.5
Acetone	82	U	21	82
Isopropyl alcohol	970	E	3.6	85
Carbon disulfide	11	U	1.4	11
Allyl chloride	11	U	0.73	11

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-5B**

Lab Sample ID: 200-20955-14
Client Matrix: Air

Date Sampled: 02/12/2014 1713
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_024.D
Dilution:	6.9			Initial Weight/Volume:	29 mL
Analysis Date:	02/22/2014 0525			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0525			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	300		3.0	12
tert-Butyl alcohol	100	U	6.9	100
Methyl tert-butyl ether	5.0	U	0.55	5.0
trans-1,2-Dichloroethene	5.5	U	0.79	5.5
Hexane	4.9	U	0.83	4.9
1,1-Dichloroethane	5.6	U	1.1	5.6
Methyl Ethyl Ketone	22		4.9	10
cis-1,2-Dichloroethene	5.5	U	1.0	5.5
1,2-Dichloroethene, Total	5.5	U	1.8	5.5
Chloroform	6.7	U	0.84	6.7
Tetrahydrofuran	3.6	J	0.94	100
1,1,1-Trichloroethane	7.5	U	0.79	7.5
Cyclohexane	2.9	J	0.59	4.8
Carbon tetrachloride	1.7	U	0.91	1.7
2,2,4-Trimethylpentane	6.4	U	0.87	6.4
Benzene	1.0	J	0.42	4.4
1,2-Dichloroethane	5.6	U	0.47	5.6
Heptane	5.7	U	1.3	5.7
Trichloroethene	1.5	U	0.89	1.5
Methyl methacrylate	14	U	0.85	14
1,2-Dichloropropane	6.4	U	1.0	6.4
1,4-Dioxane	120	U	5.0	120
Bromodichloromethane	9.2	U	0.79	9.2
cis-1,3-Dichloropropene	6.3	U	0.88	6.3
methyl isobutyl ketone	14	U	0.76	14
Toluene	3.2	J	0.44	5.2
trans-1,3-Dichloropropene	6.3	U	0.69	6.3
1,1,2-Trichloroethane	7.5	U	0.64	7.5
Tetrachloroethene	9.4	U	0.75	9.4
Methyl Butyl Ketone (2-Hexanone)	14	U	5.7	14
Dibromochloromethane	12	U	1.2	12
1,2-Dibromoethane	11	U	1.1	11
Chlorobenzene	6.4	U	0.26	6.4
Ethylbenzene	6.0	U	0.39	6.0
m,p-Xylene	15	U	0.69	15
Xylene, o-	6.0	U	0.48	6.0
Xylene (total)	6.0	U	1.0	6.0
Styrene	5.9	U	0.53	5.9
Bromoform	14	U	0.71	14
1,1,2,2-Tetrachloroethane	9.5	U	0.76	9.5
n-Propylbenzene	6.8	U	2.7	6.8
4-Ethyltoluene	6.8	U	0.61	6.8
1,3,5-Trimethylbenzene	6.8	U	0.41	6.8
2-Chlorotoluene	7.1	U	0.46	7.1
tert-Butylbenzene	7.6	U	0.64	7.6
1,2,4-Trimethylbenzene	6.8	U	0.47	6.8

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-5B**

Lab Sample ID: 200-20955-14
Client Matrix: Air

Date Sampled: 02/12/2014 1713
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_024.D
Dilution:	6.9			Initial Weight/Volume:	29 mL
Analysis Date:	02/22/2014 0525			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0525			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	7.6	U	3.0	7.6
4-Isopropyltoluene	7.6	U	3.0	7.6
1,3-Dichlorobenzene	2.2	J	0.58	8.3
1,4-Dichlorobenzene	8.3	U	0.58	8.3
Benzyl chloride	7.1	U	2.9	7.1
n-Butylbenzene	7.6	U	3.0	7.6
1,2-Dichlorobenzene	8.3	U	0.58	8.3
1,2,4-Trichlorobenzene	26	U	1.4	26
Hexachloro-1,3-butadiene	15	U	1.6	15
Naphthalene	18	U	7.2	18

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-6A**

Lab Sample ID: 200-20955-16
Client Matrix: Air

Date Sampled: 02/12/2014 1632
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_026.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/22/2014 0658			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0658			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	1.9	J	0.30	5.0
Freon 22	0.96	J	0.48	5.0
Freon-114	2.0	U	0.35	2.0
Chloromethane	5.0	U	1.4	5.0
n-Butane	5.0	U	2.8	5.0
Vinyl chloride	0.40	U	0.38	0.40
1,3-Butadiene	2.0	U	0.42	2.0
Bromomethane	2.0	U	0.28	2.0
Chloroethane	5.0	U	0.30	5.0
Vinyl bromide	2.0	U	0.30	2.0
Freon 11	4.0		0.30	2.0
Freon 113	2.0		0.18	2.0
1,1-Dichloroethene	2.0	U	0.24	2.0
Acetone	50	U	13	50
Isopropyl alcohol	800	E	2.2	50
Carbon disulfide	5.0	U	0.66	5.0
Allyl chloride	5.0	U	0.34	5.0
Methylene Chloride	180		1.3	5.0
tert-Butyl alcohol	50	U	3.3	50
Methyl tert-butyl ether	2.0	U	0.22	2.0
trans-1,2-Dichloroethene	2.0	U	0.29	2.0
Hexane	2.0	U	0.34	2.0
1,1-Dichloroethane	6.7		0.38	2.0
Methyl Ethyl Ketone	18		2.4	5.0
cis-1,2-Dichloroethene	2.0	U	0.38	2.0
1,2-Dichloroethene, Total	2.0	U	0.64	2.0
Chloroform	4.4		0.25	2.0
Tetrahydrofuran	14	J	0.46	50
1,1,1-Trichloroethane	3.4		0.21	2.0
Cyclohexane	2.6		0.25	2.0
Carbon tetrachloride	0.40	U	0.21	0.40
2,2,4-Trimethylpentane	2.0	U	0.27	2.0
Benzene	0.39	J	0.19	2.0
1,2-Dichloroethane	2.0	U	0.17	2.0
Heptane	2.0	U	0.46	2.0
Trichloroethene	2.1		0.24	0.40
Methyl methacrylate	5.0	U	0.30	5.0
1,2-Dichloropropane	2.0	U	0.32	2.0
1,4-Dioxane	50	U	2.0	50
Bromodichloromethane	2.0	U	0.17	2.0
cis-1,3-Dichloropropene	2.0	U	0.28	2.0
methyl isobutyl ketone	5.0	U	0.27	5.0
Toluene	1.8	J	0.17	2.0
trans-1,3-Dichloropropene	2.0	U	0.22	2.0
1,1,2-Trichloroethane	2.0	U	0.17	2.0
Tetrachloroethene	2.0	U	0.16	2.0

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-6A**

Lab Sample ID: 200-20955-16
Client Matrix: Air

Date Sampled: 02/12/2014 1632
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_026.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/22/2014 0658			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0658			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	5.0	U	2.0	5.0
Dibromochloromethane	2.0	U	0.20	2.0
1,2-Dibromoethane	2.0	U	0.20	2.0
Chlorobenzene	2.0	U	0.081	2.0
Ethylbenzene	2.0	U	0.13	2.0
m,p-Xylene	5.0	U	0.23	5.0
Xylene, o-	2.0	U	0.16	2.0
Xylene (total)	2.0	U	0.34	2.0
Styrene	2.0	U	0.18	2.0
Bromoform	2.0	U	0.10	2.0
1,1,2,2-Tetrachloroethane	2.0	U	0.16	2.0
n-Propylbenzene	2.0	U	0.80	2.0
4-Ethyltoluene	2.0	U	0.18	2.0
1,3,5-Trimethylbenzene	2.0	U	0.12	2.0
2-Chlorotoluene	2.0	U	0.13	2.0
tert-Butylbenzene	2.0	U	0.17	2.0
1,2,4-Trimethylbenzene	2.0	U	0.14	2.0
sec-Butylbenzene	2.0	U	0.80	2.0
4-Isopropyltoluene	2.0	U	0.80	2.0
1,3-Dichlorobenzene	0.63	J	0.14	2.0
1,4-Dichlorobenzene	2.0	U	0.14	2.0
Benzyl chloride	2.0	U	0.80	2.0
n-Butylbenzene	2.0	U	0.80	2.0
1,2-Dichlorobenzene	2.0	U	0.14	2.0
1,2,4-Trichlorobenzene	5.0	U	0.27	5.0
Hexachloro-1,3-butadiene	2.0	U	0.22	2.0
Naphthalene	5.0	U	2.0	5.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	9.2	J	1.5	25
Freon 22	3.4	J	1.7	18
Freon-114	14	U	2.4	14
Chloromethane	10	U	2.8	10
n-Butane	12	U	6.7	12
Vinyl chloride	1.0	U	0.97	1.0
1,3-Butadiene	4.4	U	0.93	4.4
Bromomethane	7.8	U	1.1	7.8
Chloroethane	13	U	0.79	13
Vinyl bromide	8.7	U	1.3	8.7
Freon 11	23		1.7	11
Freon 113	15		1.4	15
1,1-Dichloroethene	7.9	U	0.95	7.9
Acetone	120	U	30	120
Isopropyl alcohol	2000	E	5.3	120
Carbon disulfide	16	U	2.1	16
Allyl chloride	16	U	1.1	16

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-6A**

Lab Sample ID: 200-20955-16
Client Matrix: Air

Date Sampled: 02/12/2014 1632
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_026.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/22/2014 0658			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0658			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	620		4.3	17
tert-Butyl alcohol	150	U	9.9	150
Methyl tert-butyl ether	7.2	U	0.79	7.2
trans-1,2-Dichloroethene	7.9	U	1.1	7.9
Hexane	7.0	U	1.2	7.0
1,1-Dichloroethane	27		1.5	8.1
Methyl Ethyl Ketone	52		7.1	15
cis-1,2-Dichloroethene	7.9	U	1.5	7.9
1,2-Dichloroethene, Total	7.9	U	2.5	7.9
Chloroform	21		1.2	9.8
Tetrahydrofuran	41	J	1.4	150
1,1,1-Trichloroethane	19		1.1	11
Cyclohexane	8.8		0.86	6.9
Carbon tetrachloride	2.5	U	1.3	2.5
2,2,4-Trimethylpentane	9.3	U	1.3	9.3
Benzene	1.2	J	0.61	6.4
1,2-Dichloroethane	8.1	U	0.69	8.1
Heptane	8.2	U	1.9	8.2
Trichloroethene	11		1.3	2.1
Methyl methacrylate	20	U	1.2	20
1,2-Dichloropropane	9.2	U	1.5	9.2
1,4-Dioxane	180	U	7.2	180
Bromodichloromethane	13	U	1.1	13
cis-1,3-Dichloropropene	9.1	U	1.3	9.1
methyl isobutyl ketone	20	U	1.1	20
Toluene	6.8	J	0.64	7.5
trans-1,3-Dichloropropene	9.1	U	1.0	9.1
1,1,2-Trichloroethane	11	U	0.93	11
Tetrachloroethene	14	U	1.1	14
Methyl Butyl Ketone (2-Hexanone)	20	U	8.2	20
Dibromochloromethane	17	U	1.7	17
1,2-Dibromoethane	15	U	1.5	15
Chlorobenzene	9.2	U	0.37	9.2
Ethylbenzene	8.7	U	0.56	8.7
m,p-Xylene	22	U	1.0	22
Xylene, o-	8.7	U	0.69	8.7
Xylene (total)	8.7	U	1.5	8.7
Styrene	8.5	U	0.77	8.5
Bromoform	21	U	1.0	21
1,1,2,2-Tetrachloroethane	14	U	1.1	14
n-Propylbenzene	9.8	U	3.9	9.8
4-Ethyltoluene	9.8	U	0.88	9.8
1,3,5-Trimethylbenzene	9.8	U	0.59	9.8
2-Chlorotoluene	10	U	0.67	10
tert-Butylbenzene	11	U	0.93	11
1,2,4-Trimethylbenzene	9.8	U	0.69	9.8

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-6A**

Lab Sample ID: 200-20955-16
Client Matrix: Air

Date Sampled: 02/12/2014 1632
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_026.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/22/2014 0658			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0658			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	11	U	4.4	11
4-Isopropyltoluene	11	U	4.4	11
1,3-Dichlorobenzene	3.8	J	0.84	12
1,4-Dichlorobenzene	12	U	0.84	12
Benzyl chloride	10	U	4.1	10
n-Butylbenzene	11	U	4.4	11
1,2-Dichlorobenzene	12	U	0.84	12
1,2,4-Trichlorobenzene	37	U	2.0	37
Hexachloro-1,3-butadiene	21	U	2.3	21
Naphthalene	26	U	10	26

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-6B**

Lab Sample ID: 200-20955-18
Client Matrix: Air

Date Sampled: 02/12/2014 1707
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_028.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/22/2014 0832			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0832			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	1.3	J	0.30	5.0
Freon 22	1.4	J	0.48	5.0
Freon-114	2.0	U	0.35	2.0
Chloromethane	5.0	U	1.4	5.0
n-Butane	5.0	U	2.8	5.0
Vinyl chloride	0.40	U	0.38	0.40
1,3-Butadiene	2.0	U	0.42	2.0
Bromomethane	2.0	U	0.28	2.0
Chloroethane	5.0	U	0.30	5.0
Vinyl bromide	2.0	U	0.30	2.0
Freon 11	2.0	U	0.30	2.0
Freon 113	0.55	J	0.18	2.0
1,1-Dichloroethene	2.0	U	0.24	2.0
Acetone	50	U	13	50
Isopropyl alcohol	400		2.2	50
Carbon disulfide	5.0	U	0.66	5.0
Allyl chloride	5.0	U	0.34	5.0
Methylene Chloride	120		1.3	5.0
tert-Butyl alcohol	50	U	3.3	50
Methyl tert-butyl ether	2.0	U	0.22	2.0
trans-1,2-Dichloroethene	2.0	U	0.29	2.0
Hexane	2.0	U	0.34	2.0
1,1-Dichloroethane	0.62	J	0.38	2.0
Methyl Ethyl Ketone	10		2.4	5.0
cis-1,2-Dichloroethene	2.0	U	0.38	2.0
1,2-Dichloroethene, Total	2.0	U	0.64	2.0
Chloroform	2.0	U	0.25	2.0
Tetrahydrofuran	5.8	J	0.46	50
1,1,1-Trichloroethane	2.0	U	0.21	2.0
Cyclohexane	1.8	J	0.25	2.0
Carbon tetrachloride	0.37	J	0.21	0.40
2,2,4-Trimethylpentane	0.82	J	0.27	2.0
Benzene	0.60	J	0.19	2.0
1,2-Dichloroethane	0.41	J	0.17	2.0
Heptane	2.0	U	0.46	2.0
Trichloroethene	0.39	J	0.24	0.40
Methyl methacrylate	5.0	U	0.30	5.0
1,2-Dichloropropane	2.0	U	0.32	2.0
1,4-Dioxane	50	U	2.0	50
Bromodichloromethane	0.34	J	0.17	2.0
cis-1,3-Dichloropropene	2.0	U	0.28	2.0
methyl isobutyl ketone	5.0	U	0.27	5.0
Toluene	1.8	J	0.17	2.0
trans-1,3-Dichloropropene	2.0	U	0.22	2.0
1,1,2-Trichloroethane	0.39	J	0.17	2.0
Tetrachloroethene	1.6	J	0.16	2.0

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-6B**

Lab Sample ID: 200-20955-18
Client Matrix: Air

Date Sampled: 02/12/2014 1707
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_028.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/22/2014 0832			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0832			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	5.0	U	2.0	5.0
Dibromochloromethane	2.0	U	0.20	2.0
1,2-Dibromoethane	2.0	U	0.20	2.0
Chlorobenzene	0.43	J	0.081	2.0
Ethylbenzene	0.52	J	0.13	2.0
m,p-Xylene	1.1	J	0.23	5.0
Xylene, o-	0.49	J	0.16	2.0
Xylene (total)	1.6	J	0.34	2.0
Styrene	0.53	J	0.18	2.0
Bromoform	2.0	U	0.10	2.0
1,1,2,2-Tetrachloroethane	0.42	J	0.16	2.0
n-Propylbenzene	2.0	U	0.80	2.0
4-Ethyltoluene	0.44	J	0.18	2.0
1,3,5-Trimethylbenzene	0.46	J	0.12	2.0
2-Chlorotoluene	0.48	J	0.13	2.0
tert-Butylbenzene	0.48	J	0.17	2.0
1,2,4-Trimethylbenzene	0.52	J	0.14	2.0
sec-Butylbenzene	2.0	U	0.80	2.0
4-Isopropyltoluene	2.0	U	0.80	2.0
1,3-Dichlorobenzene	0.56	J	0.14	2.0
1,4-Dichlorobenzene	0.32	J	0.14	2.0
Benzyl chloride	2.0	U	0.80	2.0
n-Butylbenzene	2.0	U	0.80	2.0
1,2-Dichlorobenzene	0.39	J	0.14	2.0
1,2,4-Trichlorobenzene	5.0	U	0.27	5.0
Hexachloro-1,3-butadiene	2.0	U	0.22	2.0
Naphthalene	5.0	U	2.0	5.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	6.4	J	1.5	25
Freon 22	5.0	J	1.7	18
Freon-114	14	U	2.4	14
Chloromethane	10	U	2.8	10
n-Butane	12	U	6.7	12
Vinyl chloride	1.0	U	0.97	1.0
1,3-Butadiene	4.4	U	0.93	4.4
Bromomethane	7.8	U	1.1	7.8
Chloroethane	13	U	0.79	13
Vinyl bromide	8.7	U	1.3	8.7
Freon 11	11	U	1.7	11
Freon 113	4.2	J	1.4	15
1,1-Dichloroethene	7.9	U	0.95	7.9
Acetone	120	U	30	120
Isopropyl alcohol	970		5.3	120
Carbon disulfide	16	U	2.1	16
Allyl chloride	16	U	1.1	16

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-6B**

Lab Sample ID: 200-20955-18
Client Matrix: Air

Date Sampled: 02/12/2014 1707
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_028.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/22/2014 0832			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0832			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	410		4.3	17
tert-Butyl alcohol	150	U	9.9	150
Methyl tert-butyl ether	7.2	U	0.79	7.2
trans-1,2-Dichloroethene	7.9	U	1.1	7.9
Hexane	7.0	U	1.2	7.0
1,1-Dichloroethane	2.5	J	1.5	8.1
Methyl Ethyl Ketone	29		7.1	15
cis-1,2-Dichloroethene	7.9	U	1.5	7.9
1,2-Dichloroethene, Total	7.9	U	2.5	7.9
Chloroform	9.8	U	1.2	9.8
Tetrahydrofuran	17	J	1.4	150
1,1,1-Trichloroethane	11	U	1.1	11
Cyclohexane	6.2	J	0.86	6.9
Carbon tetrachloride	2.3	J	1.3	2.5
2,2,4-Trimethylpentane	3.8	J	1.3	9.3
Benzene	1.9	J	0.61	6.4
1,2-Dichloroethane	1.7	J	0.69	8.1
Heptane	8.2	U	1.9	8.2
Trichloroethene	2.1	J	1.3	2.1
Methyl methacrylate	20	U	1.2	20
1,2-Dichloropropane	9.2	U	1.5	9.2
1,4-Dioxane	180	U	7.2	180
Bromodichloromethane	2.3	J	1.1	13
cis-1,3-Dichloropropene	9.1	U	1.3	9.1
methyl isobutyl ketone	20	U	1.1	20
Toluene	6.7	J	0.64	7.5
trans-1,3-Dichloropropene	9.1	U	1.0	9.1
1,1,2-Trichloroethane	2.1	J	0.93	11
Tetrachloroethene	11	J	1.1	14
Methyl Butyl Ketone (2-Hexanone)	20	U	8.2	20
Dibromochloromethane	17	U	1.7	17
1,2-Dibromoethane	15	U	1.5	15
Chlorobenzene	2.0	J	0.37	9.2
Ethylbenzene	2.3	J	0.56	8.7
m,p-Xylene	4.7	J	1.0	22
Xylene, o-	2.1	J	0.69	8.7
Xylene (total)	6.9	J	1.5	8.7
Styrene	2.3	J	0.77	8.5
Bromoform	21	U	1.0	21
1,1,2,2-Tetrachloroethane	2.9	J	1.1	14
n-Propylbenzene	9.8	U	3.9	9.8
4-Ethyltoluene	2.2	J	0.88	9.8
1,3,5-Trimethylbenzene	2.3	J	0.59	9.8
2-Chlorotoluene	2.5	J	0.67	10
tert-Butylbenzene	2.6	J	0.93	11
1,2,4-Trimethylbenzene	2.5	J	0.69	9.8

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-6B**

Lab Sample ID: 200-20955-18
Client Matrix: Air

Date Sampled: 02/12/2014 1707
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68745	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6267_028.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	02/22/2014 0832			Final Weight/Volume:	200 mL
Prep Date:	02/22/2014 0832			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	11	U	4.4	11
4-Isopropyltoluene	11	U	4.4	11
1,3-Dichlorobenzene	3.3	J	0.84	12
1,4-Dichlorobenzene	1.9	J	0.84	12
Benzyl chloride	10	U	4.1	10
n-Butylbenzene	11	U	4.4	11
1,2-Dichlorobenzene	2.3	J	0.84	12
1,2,4-Trichlorobenzene	37	U	2.0	37
Hexachloro-1,3-butadiene	21	U	2.3	21
Naphthalene	26	U	10	26

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-3E**

Lab Sample ID: 200-20955-20
Client Matrix: Air

Date Sampled: 02/12/2014 1740
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1916			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1916			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	0.49	J	0.030	0.50
Freon 22	0.28	J	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.53		0.14	0.50
n-Butane	1.9		0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.26		0.030	0.20
Freon 113	0.083	J	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	27		1.3	5.0
Isopropyl alcohol	600	E	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	2.9		0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.23		0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	25		0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	1.3		0.025	0.20
Carbon tetrachloride	0.065		0.021	0.040
2,2,4-Trimethylpentane	0.16	J	0.027	0.20
Benzene	0.36		0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.037	J	0.024	0.040
Methyl methacrylate	0.25	J	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.084	J	0.027	0.50
Toluene	0.67		0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20
Tetrachloroethene	0.13	J	0.016	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-3E**

Lab Sample ID: 200-20955-20
Client Matrix: Air

Date Sampled: 02/12/2014 1740
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1916			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1916			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.10	J	0.013	0.20
m,p-Xylene	0.28	J	0.023	0.50
Xylene, o-	0.12	J	0.016	0.20
Xylene (total)	0.40		0.034	0.20
Styrene	0.059	J	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.038	J	0.018	0.20
1,3,5-Trimethylbenzene	0.040	J	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.13	J	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.82	B	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	2.4	J	0.15	2.5
Freon 22	0.99	J	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.1		0.28	1.0
n-Butane	4.6		0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.4		0.17	1.1
Freon 113	0.64	J	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	65		3.0	12
Isopropyl alcohol	1500	E	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-3E**

Lab Sample ID: 200-20955-20
Client Matrix: Air

Date Sampled: 02/12/2014 1740
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1916			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1916			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	10		0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.80		0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	72		0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	4.6		0.086	0.69
Carbon tetrachloride	0.41		0.13	0.25
2,2,4-Trimethylpentane	0.77	J	0.13	0.93
Benzene	1.1		0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.20	J	0.13	0.21
Methyl methacrylate	1.0	J	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	0.34	J	0.11	2.0
Toluene	2.5		0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1
Tetrachloroethene	0.87	J	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.45	J	0.056	0.87
m,p-Xylene	1.2	J	0.10	2.2
Xylene, o-	0.51	J	0.069	0.87
Xylene (total)	1.7		0.15	0.87
Styrene	0.25	J	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.19	J	0.088	0.98
1,3,5-Trimethylbenzene	0.20	J	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.65	J	0.069	0.98

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-3E**

Lab Sample ID: 200-20955-20
Client Matrix: Air

Date Sampled: 02/12/2014 1740
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1916			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1916			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	4.9	B	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-4**

Lab Sample ID: 200-20955-22
Client Matrix: Air

Date Sampled: 02/12/2014 1641
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_011.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	02/24/2014 2004			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 2004			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	1.0	U	0.060	1.0
Freon 22	0.43	J	0.096	1.0
Freon-114	0.40	U	0.070	0.40
Chloromethane	1.0	U	0.27	1.0
n-Butane	1.0	U	0.56	1.0
Vinyl chloride	0.080	U	0.076	0.080
1,3-Butadiene	0.40	U	0.084	0.40
Bromomethane	0.40	U	0.056	0.40
Chloroethane	1.0	U	0.060	1.0
Vinyl bromide	0.40	U	0.060	0.40
Freon 11	1.4		0.060	0.40
Freon 113	0.40	U	0.036	0.40
1,1-Dichloroethene	0.40	U	0.048	0.40
Acetone	36		2.5	10
Isopropyl alcohol	610	E	0.43	10
Carbon disulfide	1.0	U	0.13	1.0
Allyl chloride	1.0	U	0.068	1.0
Methylene Chloride	1.4		0.25	1.0
tert-Butyl alcohol	10	U	0.66	10
Methyl tert-butyl ether	0.40	U	0.044	0.40
trans-1,2-Dichloroethene	0.40	U	0.058	0.40
Hexane	0.40	U	0.068	0.40
1,1-Dichloroethane	0.40	U	0.076	0.40
Methyl Ethyl Ketone	23		0.48	1.0
cis-1,2-Dichloroethene	0.40	U	0.076	0.40
1,2-Dichloroethene, Total	0.40	U	0.13	0.40
Chloroform	0.40	U	0.050	0.40
Tetrahydrofuran	10	U	0.092	10
1,1,1-Trichloroethane	0.40	U	0.042	0.40
Cyclohexane	11		0.050	0.40
Carbon tetrachloride	0.080	U	0.042	0.080
2,2,4-Trimethylpentane	0.40	U	0.054	0.40
Benzene	0.30	J	0.038	0.40
1,2-Dichloroethane	0.40	U	0.034	0.40
Heptane	0.40	U	0.092	0.40
Trichloroethene	0.080	U	0.048	0.080
Methyl methacrylate	1.0	U	0.060	1.0
1,2-Dichloropropane	0.40	U	0.064	0.40
1,4-Dioxane	10	U	0.40	10
Bromodichloromethane	0.40	U	0.034	0.40
cis-1,3-Dichloropropene	0.40	U	0.056	0.40
methyl isobutyl ketone	1.0	U	0.054	1.0
Toluene	1.0		0.034	0.40
trans-1,3-Dichloropropene	0.40	U	0.044	0.40
1,1,2-Trichloroethane	0.40	U	0.034	0.40
Tetrachloroethene	0.48		0.032	0.40

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-4**

Lab Sample ID: 200-20955-22
Client Matrix: Air

Date Sampled: 02/12/2014 1641
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_011.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	02/24/2014 2004			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 2004			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	1.0	U	0.40	1.0
Dibromochloromethane	0.40	U	0.040	0.40
1,2-Dibromoethane	0.40	U	0.040	0.40
Chlorobenzene	0.12	J	0.016	0.40
Ethylbenzene	0.18	J	0.026	0.40
m,p-Xylene	0.38	J	0.046	1.0
Xylene, o-	0.13	J	0.032	0.40
Xylene (total)	0.51		0.068	0.40
Styrene	0.46		0.036	0.40
Bromoform	0.40	U	0.020	0.40
1,1,2,2-Tetrachloroethane	0.40	U	0.032	0.40
n-Propylbenzene	0.40	U	0.16	0.40
4-Ethyltoluene	0.075	J	0.036	0.40
1,3,5-Trimethylbenzene	0.062	J	0.024	0.40
2-Chlorotoluene	0.40	U	0.026	0.40
tert-Butylbenzene	0.40	U	0.034	0.40
1,2,4-Trimethylbenzene	0.18	J	0.028	0.40
sec-Butylbenzene	0.40	U	0.16	0.40
4-Isopropyltoluene	0.40	U	0.16	0.40
1,3-Dichlorobenzene	0.45	B	0.028	0.40
1,4-Dichlorobenzene	0.40	U	0.028	0.40
Benzyl chloride	0.40	U	0.16	0.40
n-Butylbenzene	0.40	U	0.16	0.40
1,2-Dichlorobenzene	0.40	U	0.028	0.40
1,2,4-Trichlorobenzene	1.0	U	0.054	1.0
Hexachloro-1,3-butadiene	0.40	U	0.044	0.40
Naphthalene	1.0	U	0.40	1.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	4.9	U	0.30	4.9
Freon 22	1.5	J	0.34	3.5
Freon-114	2.8	U	0.49	2.8
Chloromethane	2.1	U	0.56	2.1
n-Butane	2.4	U	1.3	2.4
Vinyl chloride	0.20	U	0.19	0.20
1,3-Butadiene	0.88	U	0.19	0.88
Bromomethane	1.6	U	0.22	1.6
Chloroethane	2.6	U	0.16	2.6
Vinyl bromide	1.7	U	0.26	1.7
Freon 11	8.0		0.34	2.2
Freon 113	3.1	U	0.28	3.1
1,1-Dichloroethene	1.6	U	0.19	1.6
Acetone	84		5.9	24
Isopropyl alcohol	1500	E	1.1	25
Carbon disulfide	3.1	U	0.41	3.1
Allyl chloride	3.1	U	0.21	3.1

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-4**

Lab Sample ID: 200-20955-22
Client Matrix: Air

Date Sampled: 02/12/2014 1641
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_011.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	02/24/2014 2004			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 2004			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	5.0		0.87	3.5
tert-Butyl alcohol	30	U	2.0	30
Methyl tert-butyl ether	1.4	U	0.16	1.4
trans-1,2-Dichloroethene	1.6	U	0.23	1.6
Hexane	1.4	U	0.24	1.4
1,1-Dichloroethane	1.6	U	0.31	1.6
Methyl Ethyl Ketone	66		1.4	2.9
cis-1,2-Dichloroethene	1.6	U	0.30	1.6
1,2-Dichloroethene, Total	1.6	U	0.51	1.6
Chloroform	2.0	U	0.24	2.0
Tetrahydrofuran	29	U	0.27	29
1,1,1-Trichloroethane	2.2	U	0.23	2.2
Cyclohexane	40		0.17	1.4
Carbon tetrachloride	0.50	U	0.26	0.50
2,2,4-Trimethylpentane	1.9	U	0.25	1.9
Benzene	0.95	J	0.12	1.3
1,2-Dichloroethane	1.6	U	0.14	1.6
Heptane	1.6	U	0.38	1.6
Trichloroethene	0.43	U	0.26	0.43
Methyl methacrylate	4.1	U	0.25	4.1
1,2-Dichloropropane	1.8	U	0.30	1.8
1,4-Dioxane	36	U	1.4	36
Bromodichloromethane	2.7	U	0.23	2.7
cis-1,3-Dichloropropene	1.8	U	0.25	1.8
methyl isobutyl ketone	4.1	U	0.22	4.1
Toluene	3.8		0.13	1.5
trans-1,3-Dichloropropene	1.8	U	0.20	1.8
1,1,2-Trichloroethane	2.2	U	0.19	2.2
Tetrachloroethene	3.3		0.22	2.7
Methyl Butyl Ketone (2-Hexanone)	4.1	U	1.6	4.1
Dibromochloromethane	3.4	U	0.34	3.4
1,2-Dibromoethane	3.1	U	0.31	3.1
Chlorobenzene	0.56	J	0.075	1.8
Ethylbenzene	0.80	J	0.11	1.7
m,p-Xylene	1.7	J	0.20	4.3
Xylene, o-	0.55	J	0.14	1.7
Xylene (total)	2.2		0.30	1.7
Styrene	1.9		0.15	1.7
Bromoform	4.1	U	0.21	4.1
1,1,2,2-Tetrachloroethane	2.7	U	0.22	2.7
n-Propylbenzene	2.0	U	0.79	2.0
4-Ethyltoluene	0.37	J	0.18	2.0
1,3,5-Trimethylbenzene	0.30	J	0.12	2.0
2-Chlorotoluene	2.1	U	0.13	2.1
tert-Butylbenzene	2.2	U	0.19	2.2
1,2,4-Trimethylbenzene	0.87	J	0.14	2.0

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-4**

Lab Sample ID: 200-20955-22
Client Matrix: Air

Date Sampled: 02/12/2014 1641
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_011.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	02/24/2014 2004			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 2004			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	2.2	U	0.88	2.2
4-Isopropyltoluene	2.2	U	0.88	2.2
1,3-Dichlorobenzene	2.7	B	0.17	2.4
1,4-Dichlorobenzene	2.4	U	0.17	2.4
Benzyl chloride	2.1	U	0.83	2.1
n-Butylbenzene	2.2	U	0.88	2.2
1,2-Dichlorobenzene	2.4	U	0.17	2.4
1,2,4-Trichlorobenzene	7.4	U	0.40	7.4
Hexachloro-1,3-butadiene	4.3	U	0.47	4.3
Naphthalene	5.2	U	2.1	5.2

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-5A**

Lab Sample ID: 200-20955-24
Client Matrix: Air

Date Sampled: 02/12/2014 1655
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_013.d
Dilution:	5.71			Initial Weight/Volume:	35 mL
Analysis Date:	02/24/2014 2140			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 2140			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	2.9	U	0.17	2.9
Freon 22	2.4	J	0.27	2.9
Freon-114	1.1	U	0.20	1.1
Chloromethane	2.9	U	0.78	2.9
n-Butane	2.9	U	1.6	2.9
Vinyl chloride	0.23	U	0.22	0.23
1,3-Butadiene	1.1	U	0.24	1.1
Bromomethane	1.1	U	0.16	1.1
Chloroethane	2.9	U	0.17	2.9
Vinyl bromide	1.1	U	0.17	1.1
Freon 11	1.1	U	0.17	1.1
Freon 113	3.1		0.10	1.1
1,1-Dichloroethene	1.1	U	0.14	1.1
Acetone	26	J	7.1	29
Isopropyl alcohol	510	E	1.2	29
Carbon disulfide	1.4	J	0.38	2.9
Allyl chloride	2.9	U	0.19	2.9
Methylene Chloride	100		0.71	2.9
tert-Butyl alcohol	29	U	1.9	29
Methyl tert-butyl ether	1.1	U	0.13	1.1
trans-1,2-Dichloroethene	1.1	U	0.17	1.1
Hexane	0.70	J	0.19	1.1
1,1-Dichloroethane	0.98	J	0.22	1.1
Methyl Ethyl Ketone	18		1.4	2.9
cis-1,2-Dichloroethene	1.1	U	0.22	1.1
1,2-Dichloroethene, Total	1.1	U	0.37	1.1
Chloroform	10		0.14	1.1
Tetrahydrofuran	29	U	0.26	29
1,1,1-Trichloroethane	2.2		0.12	1.1
Cyclohexane	0.97	J	0.14	1.1
Carbon tetrachloride	0.23	U	0.12	0.23
2,2,4-Trimethylpentane	0.60	J	0.15	1.1
Benzene	0.36	J	0.11	1.1
1,2-Dichloroethane	1.1	U	0.097	1.1
Heptane	1.1	U	0.26	1.1
Trichloroethene	4.8		0.14	0.23
Methyl methacrylate	2.9	U	0.17	2.9
1,2-Dichloropropane	1.1	U	0.18	1.1
1,4-Dioxane	1.5	J	1.1	29
Bromodichloromethane	1.1	U	0.097	1.1
cis-1,3-Dichloropropene	1.1	U	0.16	1.1
methyl isobutyl ketone	2.9	U	0.15	2.9
Toluene	1.6		0.097	1.1
trans-1,3-Dichloropropene	1.1	U	0.13	1.1
1,1,2-Trichloroethane	1.1	U	0.097	1.1
Tetrachloroethene	2.3		0.091	1.1

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-5A**

Lab Sample ID: 200-20955-24
Client Matrix: Air

Date Sampled: 02/12/2014 1655
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_013.d
Dilution:	5.71			Initial Weight/Volume:	35 mL
Analysis Date:	02/24/2014 2140			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 2140			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	2.9	U	1.1	2.9
Dibromochloromethane	1.1	U	0.11	1.1
1,2-Dibromoethane	1.1	U	0.11	1.1
Chlorobenzene	1.1	U	0.046	1.1
Ethylbenzene	0.17	J	0.074	1.1
m,p-Xylene	2.9	U	0.13	2.9
Xylene, o-	1.1	U	0.091	1.1
Xylene (total)	1.1	U	0.19	1.1
Styrene	1.1	U	0.10	1.1
Bromoform	1.1	U	0.057	1.1
1,1,2,2-Tetrachloroethane	1.1	U	0.091	1.1
n-Propylbenzene	1.1	U	0.46	1.1
4-Ethyltoluene	1.1	U	0.10	1.1
1,3,5-Trimethylbenzene	1.1	U	0.069	1.1
2-Chlorotoluene	1.1	U	0.074	1.1
tert-Butylbenzene	1.1	U	0.097	1.1
1,2,4-Trimethylbenzene	0.19	J	0.080	1.1
sec-Butylbenzene	1.1	U	0.46	1.1
4-Isopropyltoluene	1.1	U	0.46	1.1
1,3-Dichlorobenzene	0.62	J B	0.080	1.1
1,4-Dichlorobenzene	1.1	U	0.080	1.1
Benzyl chloride	1.1	U	0.46	1.1
n-Butylbenzene	1.1	U	0.46	1.1
1,2-Dichlorobenzene	1.1	U	0.080	1.1
1,2,4-Trichlorobenzene	2.9	U	0.15	2.9
Hexachloro-1,3-butadiene	1.1	U	0.13	1.1
Naphthalene	2.9	U	1.1	2.9

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	14	U	0.85	14
Freon 22	8.4	J	0.97	10
Freon-114	8.0	U	1.4	8.0
Chloromethane	5.9	U	1.6	5.9
n-Butane	6.8	U	3.8	6.8
Vinyl chloride	0.58	U	0.55	0.58
1,3-Butadiene	2.5	U	0.53	2.5
Bromomethane	4.4	U	0.62	4.4
Chloroethane	7.5	U	0.45	7.5
Vinyl bromide	5.0	U	0.75	5.0
Freon 11	6.4	U	0.96	6.4
Freon 113	24		0.79	8.8
1,1-Dichloroethene	4.5	U	0.54	4.5
Acetone	62	J	17	68
Isopropyl alcohol	1200	E	3.0	70
Carbon disulfide	4.3	J	1.2	8.9
Allyl chloride	8.9	U	0.61	8.9

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-5A**

Lab Sample ID: 200-20955-24
Client Matrix: Air

Date Sampled: 02/12/2014 1655
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_013.d
Dilution:	5.71			Initial Weight/Volume:	35 mL
Analysis Date:	02/24/2014 2140			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 2140			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	350		2.5	9.9
tert-Butyl alcohol	87	U	5.7	87
Methyl tert-butyl ether	4.1	U	0.45	4.1
trans-1,2-Dichloroethene	4.5	U	0.66	4.5
Hexane	2.5	J	0.68	4.0
1,1-Dichloroethane	4.0	J	0.88	4.6
Methyl Ethyl Ketone	54		4.1	8.4
cis-1,2-Dichloroethene	4.5	U	0.86	4.5
1,2-Dichloroethene, Total	4.5	U	1.4	4.5
Chloroform	51		0.70	5.6
Tetrahydrofuran	84	U	0.77	84
1,1,1-Trichloroethane	12		0.65	6.2
Cyclohexane	3.3	J	0.49	3.9
Carbon tetrachloride	1.4	U	0.75	1.4
2,2,4-Trimethylpentane	2.8	J	0.72	5.3
Benzene	1.2	J	0.35	3.6
1,2-Dichloroethane	4.6	U	0.39	4.6
Heptane	4.7	U	1.1	4.7
Trichloroethene	26		0.74	1.2
Methyl methacrylate	12	U	0.70	12
1,2-Dichloropropane	5.3	U	0.84	5.3
1,4-Dioxane	5.5	J	4.1	100
Bromodichloromethane	7.7	U	0.65	7.7
cis-1,3-Dichloropropene	5.2	U	0.73	5.2
methyl isobutyl ketone	12	U	0.63	12
Toluene	5.9		0.37	4.3
trans-1,3-Dichloropropene	5.2	U	0.57	5.2
1,1,2-Trichloroethane	6.2	U	0.53	6.2
Tetrachloroethene	16		0.62	7.7
Methyl Butyl Ketone (2-Hexanone)	12	U	4.7	12
Dibromochloromethane	9.7	U	0.97	9.7
1,2-Dibromoethane	8.8	U	0.88	8.8
Chlorobenzene	5.3	U	0.21	5.3
Ethylbenzene	0.75	J	0.32	5.0
m,p-Xylene	12	U	0.57	12
Xylene, o-	5.0	U	0.40	5.0
Xylene (total)	5.0	U	0.84	5.0
Styrene	4.9	U	0.44	4.9
Bromoform	12	U	0.59	12
1,1,2,2-Tetrachloroethane	7.8	U	0.63	7.8
n-Propylbenzene	5.6	U	2.2	5.6
4-Ethyltoluene	5.6	U	0.51	5.6
1,3,5-Trimethylbenzene	5.6	U	0.34	5.6
2-Chlorotoluene	5.9	U	0.38	5.9
tert-Butylbenzene	6.3	U	0.53	6.3
1,2,4-Trimethylbenzene	0.94	J	0.39	5.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-5A**

Lab Sample ID: 200-20955-24
Client Matrix: Air

Date Sampled: 02/12/2014 1655
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_013.d
Dilution:	5.71			Initial Weight/Volume:	35 mL
Analysis Date:	02/24/2014 2140			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 2140			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	6.3	U	2.5	6.3
4-Isopropyltoluene	6.3	U	2.5	6.3
1,3-Dichlorobenzene	3.8	J B	0.48	6.9
1,4-Dichlorobenzene	6.9	U	0.48	6.9
Benzyl chloride	5.9	U	2.4	5.9
n-Butylbenzene	6.3	U	2.5	6.3
1,2-Dichlorobenzene	6.9	U	0.48	6.9
1,2,4-Trichlorobenzene	21	U	1.1	21
Hexachloro-1,3-butadiene	12	U	1.3	12
Naphthalene	15	U	6.0	15

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-7**

Lab Sample ID: 200-20955-25
Client Matrix: Air

Date Sampled: 02/12/2014 1701
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_014.d
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	02/24/2014 2228			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 2228			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	17		0.24	4.0
Freon 22	4.0	U	0.38	4.0
Freon-114	1.6	U	0.28	1.6
Chloromethane	4.0	U	1.1	4.0
n-Butane	4.0	U	2.3	4.0
Vinyl chloride	0.32	U	0.30	0.32
1,3-Butadiene	1.6	U	0.34	1.6
Bromomethane	1.6	U	0.22	1.6
Chloroethane	4.0	U	0.24	4.0
Vinyl bromide	1.6	U	0.24	1.6
Freon 11	3.9		0.24	1.6
Freon 113	0.55	J	0.14	1.6
1,1-Dichloroethene	1.6	U	0.19	1.6
Acetone	36	J	10	40
Isopropyl alcohol	900	E	1.7	40
Carbon disulfide	4.0	U	0.53	4.0
Allyl chloride	4.0	U	0.27	4.0
Methylene Chloride	190		1.0	4.0
tert-Butyl alcohol	40	U	2.6	40
Methyl tert-butyl ether	1.6	U	0.18	1.6
trans-1,2-Dichloroethene	1.6	U	0.23	1.6
Hexane	1.6	U	0.27	1.6
1,1-Dichloroethane	2.0		0.30	1.6
Methyl Ethyl Ketone	25		1.9	4.0
cis-1,2-Dichloroethene	1.6	U	0.30	1.6
1,2-Dichloroethene, Total	1.6	U	0.51	1.6
Chloroform	1.6	U	0.20	1.6
Tetrahydrofuran	14	J	0.37	40
1,1,1-Trichloroethane	1.6	U	0.17	1.6
Cyclohexane	2.7		0.20	1.6
Carbon tetrachloride	0.32	U	0.17	0.32
2,2,4-Trimethylpentane	1.6	U	0.22	1.6
Benzene	1.6	U	0.15	1.6
1,2-Dichloroethane	1.6	U	0.14	1.6
Heptane	1.6	U	0.37	1.6
Trichloroethene	0.32	U	0.19	0.32
Methyl methacrylate	4.0	U	0.24	4.0
1,2-Dichloropropane	1.6	U	0.26	1.6
1,4-Dioxane	40	U	1.6	40
Bromodichloromethane	1.6	U	0.14	1.6
cis-1,3-Dichloropropene	1.6	U	0.22	1.6
methyl isobutyl ketone	4.0	U	0.22	4.0
Toluene	1.8		0.14	1.6
trans-1,3-Dichloropropene	1.6	U	0.18	1.6
1,1,2-Trichloroethane	1.6	U	0.14	1.6
Tetrachloroethene	1.6	U	0.13	1.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-7**

Lab Sample ID: 200-20955-25
Client Matrix: Air

Date Sampled: 02/12/2014 1701
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_014.d
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	02/24/2014 2228			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 2228			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	4.0	U	1.6	4.0
Dibromochloromethane	1.6	U	0.16	1.6
1,2-Dibromoethane	1.6	U	0.16	1.6
Chlorobenzene	1.6	U	0.065	1.6
Ethylbenzene	1.6	U	0.10	1.6
m,p-Xylene	4.0	U	0.18	4.0
Xylene, o-	1.6	U	0.13	1.6
Xylene (total)	1.6	U	0.27	1.6
Styrene	1.6	U	0.14	1.6
Bromoform	1.6	U	0.080	1.6
1,1,2,2-Tetrachloroethane	1.6	U	0.13	1.6
n-Propylbenzene	1.6	U	0.64	1.6
4-Ethyltoluene	1.6	U	0.14	1.6
1,3,5-Trimethylbenzene	1.6	U	0.096	1.6
2-Chlorotoluene	1.6	U	0.10	1.6
tert-Butylbenzene	1.6	U	0.14	1.6
1,2,4-Trimethylbenzene	1.6	U	0.11	1.6
sec-Butylbenzene	1.6	U	0.64	1.6
4-Isopropyltoluene	1.6	U	0.64	1.6
1,3-Dichlorobenzene	0.65	J B	0.11	1.6
1,4-Dichlorobenzene	1.6	U	0.11	1.6
Benzyl chloride	1.6	U	0.64	1.6
n-Butylbenzene	1.6	U	0.64	1.6
1,2-Dichlorobenzene	1.6	U	0.11	1.6
1,2,4-Trichlorobenzene	4.0	U	0.22	4.0
Hexachloro-1,3-butadiene	1.6	U	0.18	1.6
Naphthalene	4.0	U	1.6	4.0

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	85		1.2	20
Freon 22	14	U	1.4	14
Freon-114	11	U	2.0	11
Chloromethane	8.3	U	2.2	8.3
n-Butane	9.5	U	5.4	9.5
Vinyl chloride	0.82	U	0.78	0.82
1,3-Butadiene	3.5	U	0.74	3.5
Bromomethane	6.2	U	0.87	6.2
Chloroethane	11	U	0.63	11
Vinyl bromide	7.0	U	1.0	7.0
Freon 11	22		1.3	9.0
Freon 113	4.2	J	1.1	12
1,1-Dichloroethene	6.3	U	0.76	6.3
Acetone	86	J	24	95
Isopropyl alcohol	2200	E	4.2	98
Carbon disulfide	12	U	1.6	12
Allyl chloride	13	U	0.85	13

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-7**

Lab Sample ID: 200-20955-25
Client Matrix: Air

Date Sampled: 02/12/2014 1701
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_014.d
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	02/24/2014 2228			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 2228			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	670		3.5	14
tert-Butyl alcohol	120	U	8.0	120
Methyl tert-butyl ether	5.8	U	0.63	5.8
trans-1,2-Dichloroethene	6.3	U	0.92	6.3
Hexane	5.6	U	0.96	5.6
1,1-Dichloroethane	8.3		1.2	6.5
Methyl Ethyl Ketone	73		5.7	12
cis-1,2-Dichloroethene	6.3	U	1.2	6.3
1,2-Dichloroethene, Total	6.3	U	2.0	6.3
Chloroform	7.8	U	0.98	7.8
Tetrahydrofuran	40	J	1.1	120
1,1,1-Trichloroethane	8.7	U	0.92	8.7
Cyclohexane	9.4		0.69	5.5
Carbon tetrachloride	2.0	U	1.1	2.0
2,2,4-Trimethylpentane	7.5	U	1.0	7.5
Benzene	5.1	U	0.49	5.1
1,2-Dichloroethane	6.5	U	0.55	6.5
Heptane	6.6	U	1.5	6.6
Trichloroethene	1.7	U	1.0	1.7
Methyl methacrylate	16	U	0.98	16
1,2-Dichloropropane	7.4	U	1.2	7.4
1,4-Dioxane	140	U	5.8	140
Bromodichloromethane	11	U	0.91	11
cis-1,3-Dichloropropene	7.3	U	1.0	7.3
methyl isobutyl ketone	16	U	0.88	16
Toluene	6.6		0.51	6.0
trans-1,3-Dichloropropene	7.3	U	0.80	7.3
1,1,2-Trichloroethane	8.7	U	0.74	8.7
Tetrachloroethene	11	U	0.87	11
Methyl Butyl Ketone (2-Hexanone)	16	U	6.6	16
Dibromochloromethane	14	U	1.4	14
1,2-Dibromoethane	12	U	1.2	12
Chlorobenzene	7.4	U	0.30	7.4
Ethylbenzene	6.9	U	0.45	6.9
m,p-Xylene	17	U	0.80	17
Xylene, o-	6.9	U	0.56	6.9
Xylene (total)	6.9	U	1.2	6.9
Styrene	6.8	U	0.61	6.8
Bromoform	17	U	0.83	17
1,1,2,2-Tetrachloroethane	11	U	0.88	11
n-Propylbenzene	7.9	U	3.1	7.9
4-Ethyltoluene	7.9	U	0.71	7.9
1,3,5-Trimethylbenzene	7.9	U	0.47	7.9
2-Chlorotoluene	8.3	U	0.54	8.3
tert-Butylbenzene	8.8	U	0.75	8.8
1,2,4-Trimethylbenzene	7.9	U	0.55	7.9

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-7**

Lab Sample ID: 200-20955-25
Client Matrix: Air

Date Sampled: 02/12/2014 1701
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_014.d
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	02/24/2014 2228			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 2228			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	8.8	U	3.5	8.8
4-Isopropyltoluene	8.8	U	3.5	8.8
1,3-Dichlorobenzene	3.9	J B	0.67	9.6
1,4-Dichlorobenzene	9.6	U	0.67	9.6
Benzyl chloride	8.3	U	3.3	8.3
n-Butylbenzene	8.8	U	3.5	8.8
1,2-Dichlorobenzene	9.6	U	0.67	9.6
1,2,4-Trichlorobenzene	30	U	1.6	30
Hexachloro-1,3-butadiene	17	U	1.9	17
Naphthalene	21	U	8.4	21

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-7A**

Lab Sample ID: 200-20955-28
Client Matrix: Air

Date Sampled: 02/12/2014 1806
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_015.d
Dilution:	7.49			Initial Weight/Volume:	51 mL
Analysis Date:	02/24/2014 2316			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 2316			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	3.7	U	0.22	3.7
Freon 22	3.7	U	0.36	3.7
Freon-114	1.5	U	0.26	1.5
Chloromethane	3.7	U	1.0	3.7
n-Butane	3.7	U	2.1	3.7
Vinyl chloride	0.30	U	0.28	0.30
1,3-Butadiene	1.5	U	0.31	1.5
Bromomethane	1.5	U	0.21	1.5
Chloroethane	3.7	U	0.22	3.7
Vinyl bromide	1.5	U	0.22	1.5
Freon 11	1.5	U	0.22	1.5
Freon 113	0.44	J	0.13	1.5
1,1-Dichloroethene	1.5	U	0.18	1.5
Acetone	19	J	9.4	37
Isopropyl alcohol	690	E	1.6	37
Carbon disulfide	3.7	U	0.49	3.7
Allyl chloride	3.7	U	0.25	3.7
Methylene Chloride	130		0.94	3.7
tert-Butyl alcohol	37	U	2.5	37
Methyl tert-butyl ether	1.5	U	0.16	1.5
trans-1,2-Dichloroethene	1.5	U	0.22	1.5
Hexane	1.5	U	0.25	1.5
1,1-Dichloroethane	0.37	J	0.28	1.5
Methyl Ethyl Ketone	17		1.8	3.7
cis-1,2-Dichloroethene	1.5	U	0.28	1.5
1,2-Dichloroethene, Total	1.5	U	0.48	1.5
Chloroform	9.1		0.19	1.5
Tetrahydrofuran	37	U	0.34	37
1,1,1-Trichloroethane	1.3	J	0.16	1.5
Cyclohexane	2.0		0.19	1.5
Carbon tetrachloride	0.30	U	0.16	0.30
2,2,4-Trimethylpentane	1.5	U	0.20	1.5
Benzene	1.5	U	0.14	1.5
1,2-Dichloroethane	1.5	U	0.13	1.5
Heptane	1.5	U	0.34	1.5
Trichloroethene	2.7		0.18	0.30
Methyl methacrylate	3.7	U	0.22	3.7
1,2-Dichloropropane	1.5	U	0.24	1.5
1,4-Dioxane	37	U	1.5	37
Bromodichloromethane	1.5	U	0.13	1.5
cis-1,3-Dichloropropene	1.5	U	0.21	1.5
methyl isobutyl ketone	3.7	U	0.20	3.7
Toluene	1.2	J	0.13	1.5
trans-1,3-Dichloropropene	1.5	U	0.16	1.5
1,1,2-Trichloroethane	1.5	U	0.13	1.5
Tetrachloroethene	1.5	U	0.12	1.5

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-7A**

Lab Sample ID: 200-20955-28
Client Matrix: Air

Date Sampled: 02/12/2014 1806
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_015.d
Dilution:	7.49			Initial Weight/Volume:	51 mL
Analysis Date:	02/24/2014 2316			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 2316			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	3.7	U	1.5	3.7
Dibromochloromethane	1.5	U	0.15	1.5
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	1.5	U	0.061	1.5
Ethylbenzene	1.5	U	0.097	1.5
m,p-Xylene	3.7	U	0.17	3.7
Xylene, o-	1.5	U	0.12	1.5
Xylene (total)	1.5	U	0.25	1.5
Styrene	1.5	U	0.13	1.5
Bromoform	1.5	U	0.075	1.5
1,1,2,2-Tetrachloroethane	1.5	U	0.12	1.5
n-Propylbenzene	1.5	U	0.60	1.5
4-Ethyltoluene	1.5	U	0.13	1.5
1,3,5-Trimethylbenzene	1.5	U	0.090	1.5
2-Chlorotoluene	1.5	U	0.097	1.5
tert-Butylbenzene	1.5	U	0.13	1.5
1,2,4-Trimethylbenzene	1.5	U	0.10	1.5
sec-Butylbenzene	1.5	U	0.60	1.5
4-Isopropyltoluene	1.5	U	0.60	1.5
1,3-Dichlorobenzene	0.72	J B	0.10	1.5
1,4-Dichlorobenzene	1.5	U	0.10	1.5
Benzyl chloride	1.5	U	0.60	1.5
n-Butylbenzene	1.5	U	0.60	1.5
1,2-Dichlorobenzene	1.5	U	0.10	1.5
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	1.5	U	0.16	1.5
Naphthalene	3.7	U	1.5	3.7

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	19	U	1.1	19
Freon 22	13	U	1.3	13
Freon-114	10	U	1.8	10
Chloromethane	7.7	U	2.1	7.7
n-Butane	8.9	U	5.0	8.9
Vinyl chloride	0.77	U	0.73	0.77
1,3-Butadiene	3.3	U	0.70	3.3
Bromomethane	5.8	U	0.81	5.8
Chloroethane	9.9	U	0.59	9.9
Vinyl bromide	6.6	U	0.98	6.6
Freon 11	8.4	U	1.3	8.4
Freon 113	3.4	J	1.0	11
1,1-Dichloroethene	5.9	U	0.71	5.9
Acetone	45	J	22	89
Isopropyl alcohol	1700	E	4.0	92
Carbon disulfide	12	U	1.5	12
Allyl chloride	12	U	0.80	12

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-7A**

Lab Sample ID: 200-20955-28
Client Matrix: Air

Date Sampled: 02/12/2014 1806
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_015.d
Dilution:	7.49			Initial Weight/Volume:	51 mL
Analysis Date:	02/24/2014 2316			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 2316			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	460		3.3	13
tert-Butyl alcohol	110	U	7.4	110
Methyl tert-butyl ether	5.4	U	0.59	5.4
trans-1,2-Dichloroethene	5.9	U	0.86	5.9
Hexane	5.3	U	0.90	5.3
1,1-Dichloroethane	1.5	J	1.2	6.1
Methyl Ethyl Ketone	49		5.3	11
cis-1,2-Dichloroethene	5.9	U	1.1	5.9
1,2-Dichloroethene, Total	5.9	U	1.9	5.9
Chloroform	44		0.91	7.3
Tetrahydrofuran	110	U	1.0	110
1,1,1-Trichloroethane	7.0	J	0.86	8.2
Cyclohexane	7.0		0.64	5.2
Carbon tetrachloride	1.9	U	0.99	1.9
2,2,4-Trimethylpentane	7.0	U	0.94	7.0
Benzene	4.8	U	0.45	4.8
1,2-Dichloroethane	6.1	U	0.52	6.1
Heptane	6.1	U	1.4	6.1
Trichloroethene	14		0.97	1.6
Methyl methacrylate	15	U	0.92	15
1,2-Dichloropropane	6.9	U	1.1	6.9
1,4-Dioxane	130	U	5.4	130
Bromodichloromethane	10	U	0.85	10
cis-1,3-Dichloropropene	6.8	U	0.95	6.8
methyl isobutyl ketone	15	U	0.83	15
Toluene	4.4	J	0.48	5.6
trans-1,3-Dichloropropene	6.8	U	0.75	6.8
1,1,2-Trichloroethane	8.2	U	0.69	8.2
Tetrachloroethene	10	U	0.81	10
Methyl Butyl Ketone (2-Hexanone)	15	U	6.1	15
Dibromochloromethane	13	U	1.3	13
1,2-Dibromoethane	12	U	1.2	12
Chlorobenzene	6.9	U	0.28	6.9
Ethylbenzene	6.5	U	0.42	6.5
m,p-Xylene	16	U	0.75	16
Xylene, o-	6.5	U	0.52	6.5
Xylene (total)	6.5	U	1.1	6.5
Styrene	6.4	U	0.57	6.4
Bromoform	15	U	0.77	15
1,1,2,2-Tetrachloroethane	10	U	0.82	10
n-Propylbenzene	7.4	U	2.9	7.4
4-Ethyltoluene	7.4	U	0.66	7.4
1,3,5-Trimethylbenzene	7.4	U	0.44	7.4
2-Chlorotoluene	7.8	U	0.50	7.8
tert-Butylbenzene	8.2	U	0.70	8.2
1,2,4-Trimethylbenzene	7.4	U	0.52	7.4

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-7A**

Lab Sample ID: 200-20955-28
Client Matrix: Air

Date Sampled: 02/12/2014 1806
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_015.d
Dilution:	7.49			Initial Weight/Volume:	51 mL
Analysis Date:	02/24/2014 2316			Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 2316			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	8.2	U	3.3	8.2
4-Isopropyltoluene	8.2	U	3.3	8.2
1,3-Dichlorobenzene	4.4	J B	0.63	9.0
1,4-Dichlorobenzene	9.0	U	0.63	9.0
Benzyl chloride	7.8	U	3.1	7.8
n-Butylbenzene	8.2	U	3.3	8.2
1,2-Dichlorobenzene	9.0	U	0.63	9.0
1,2,4-Trichlorobenzene	28	U	1.5	28
Hexachloro-1,3-butadiene	16	U	1.8	16
Naphthalene	20	U	7.9	20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-DUP-021214**

Lab Sample ID: 200-20955-30
Client Matrix: Air

Date Sampled: 02/12/2014 0000
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_016.d
Dilution:	7.48			Initial Weight/Volume:	69 mL
Analysis Date:	02/25/2014 0004			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 0004			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	3.7	U	0.22	3.7
Freon 22	3.7	U	0.36	3.7
Freon-114	1.5	U	0.26	1.5
Chloromethane	3.7	U	1.0	3.7
n-Butane	3.7	U	2.1	3.7
Vinyl chloride	0.30	U	0.28	0.30
1,3-Butadiene	1.5	U	0.31	1.5
Bromomethane	1.5	U	0.21	1.5
Chloroethane	3.7	U	0.22	3.7
Vinyl bromide	1.5	U	0.22	1.5
Freon 11	1.5	U	0.22	1.5
Freon 113	0.70	J	0.13	1.5
1,1-Dichloroethene	1.5	U	0.18	1.5
Acetone	31	J	9.4	37
Isopropyl alcohol	1200	E	1.6	37
Carbon disulfide	3.7	U	0.49	3.7
Allyl chloride	3.7	U	0.25	3.7
Methylene Chloride	210		0.94	3.7
tert-Butyl alcohol	37	U	2.5	37
Methyl tert-butyl ether	1.5	U	0.16	1.5
trans-1,2-Dichloroethene	1.5	U	0.22	1.5
Hexane	0.94	J	0.25	1.5
1,1-Dichloroethane	0.49	J	0.28	1.5
Methyl Ethyl Ketone	28		1.8	3.7
cis-1,2-Dichloroethene	1.5	U	0.28	1.5
1,2-Dichloroethene, Total	1.5	U	0.48	1.5
Chloroform	14		0.19	1.5
Tetrahydrofuran	20	J	0.34	37
1,1,1-Trichloroethane	1.9		0.16	1.5
Cyclohexane	3.2		0.19	1.5
Carbon tetrachloride	0.30	U	0.16	0.30
2,2,4-Trimethylpentane	1.5	U	0.20	1.5
Benzene	0.44	J	0.14	1.5
1,2-Dichloroethane	1.5	U	0.13	1.5
Heptane	1.5	U	0.34	1.5
Trichloroethene	3.8		0.18	0.30
Methyl methacrylate	3.7	U	0.22	3.7
1,2-Dichloropropane	1.5	U	0.24	1.5
1,4-Dioxane	37	U	1.5	37
Bromodichloromethane	1.5	U	0.13	1.5
cis-1,3-Dichloropropene	1.5	U	0.21	1.5
methyl isobutyl ketone	3.7	U	0.20	3.7
Toluene	1.8		0.13	1.5
trans-1,3-Dichloropropene	1.5	U	0.16	1.5
1,1,2-Trichloroethane	1.5	U	0.13	1.5
Tetrachloroethene	1.5	U	0.12	1.5

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-DUP-021214**

Lab Sample ID: 200-20955-30
Client Matrix: Air

Date Sampled: 02/12/2014 0000
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_016.d
Dilution:	7.48			Initial Weight/Volume:	69 mL
Analysis Date:	02/25/2014 0004			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 0004			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	3.7	U	1.5	3.7
Dibromochloromethane	1.5	U	0.15	1.5
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	1.5	U	0.061	1.5
Ethylbenzene	0.15	J	0.097	1.5
m,p-Xylene	3.7	U	0.17	3.7
Xylene, o-	1.5	U	0.12	1.5
Xylene (total)	1.5	U	0.25	1.5
Styrene	0.23	J	0.13	1.5
Bromoform	1.5	U	0.075	1.5
1,1,2,2-Tetrachloroethane	1.5	U	0.12	1.5
n-Propylbenzene	1.5	U	0.60	1.5
4-Ethyltoluene	1.5	U	0.13	1.5
1,3,5-Trimethylbenzene	1.5	U	0.090	1.5
2-Chlorotoluene	1.5	U	0.097	1.5
tert-Butylbenzene	1.5	U	0.13	1.5
1,2,4-Trimethylbenzene	1.5	U	0.10	1.5
sec-Butylbenzene	1.5	U	0.60	1.5
4-Isopropyltoluene	1.5	U	0.60	1.5
1,3-Dichlorobenzene	1.2	J B	0.10	1.5
1,4-Dichlorobenzene	1.5	U	0.10	1.5
Benzyl chloride	1.5	U	0.60	1.5
n-Butylbenzene	1.5	U	0.60	1.5
1,2-Dichlorobenzene	1.5	U	0.10	1.5
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	1.5	U	0.16	1.5
Naphthalene	3.7	U	1.5	3.7

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	18	U	1.1	18
Freon 22	13	U	1.3	13
Freon-114	10	U	1.8	10
Chloromethane	7.7	U	2.1	7.7
n-Butane	8.9	U	5.0	8.9
Vinyl chloride	0.76	U	0.73	0.76
1,3-Butadiene	3.3	U	0.70	3.3
Bromomethane	5.8	U	0.81	5.8
Chloroethane	9.9	U	0.59	9.9
Vinyl bromide	6.5	U	0.98	6.5
Freon 11	8.4	U	1.3	8.4
Freon 113	5.4	J	1.0	11
1,1-Dichloroethene	5.9	U	0.71	5.9
Acetone	74	J	22	89
Isopropyl alcohol	2900	E	4.0	92
Carbon disulfide	12	U	1.5	12
Allyl chloride	12	U	0.80	12

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-DUP-021214**

Lab Sample ID: 200-20955-30
Client Matrix: Air

Date Sampled: 02/12/2014 0000
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_016.d
Dilution:	7.48			Initial Weight/Volume:	69 mL
Analysis Date:	02/25/2014 0004			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 0004			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	720		3.2	13
tert-Butyl alcohol	110	U	7.4	110
Methyl tert-butyl ether	5.4	U	0.59	5.4
trans-1,2-Dichloroethene	5.9	U	0.86	5.9
Hexane	3.3	J	0.90	5.3
1,1-Dichloroethane	2.0	J	1.2	6.1
Methyl Ethyl Ketone	82		5.3	11
cis-1,2-Dichloroethene	5.9	U	1.1	5.9
1,2-Dichloroethene, Total	5.9	U	1.9	5.9
Chloroform	69		0.91	7.3
Tetrahydrofuran	58	J	1.0	110
1,1,1-Trichloroethane	10		0.86	8.2
Cyclohexane	11		0.64	5.1
Carbon tetrachloride	1.9	U	0.99	1.9
2,2,4-Trimethylpentane	7.0	U	0.94	7.0
Benzene	1.4	J	0.45	4.8
1,2-Dichloroethane	6.1	U	0.51	6.1
Heptane	6.1	U	1.4	6.1
Trichloroethene	21		0.96	1.6
Methyl methacrylate	15	U	0.92	15
1,2-Dichloropropane	6.9	U	1.1	6.9
1,4-Dioxane	130	U	5.4	130
Bromodichloromethane	10	U	0.85	10
cis-1,3-Dichloropropene	6.8	U	0.95	6.8
methyl isobutyl ketone	15	U	0.83	15
Toluene	6.9		0.48	5.6
trans-1,3-Dichloropropene	6.8	U	0.75	6.8
1,1,2-Trichloroethane	8.2	U	0.69	8.2
Tetrachloroethene	10	U	0.81	10
Methyl Butyl Ketone (2-Hexanone)	15	U	6.1	15
Dibromochloromethane	13	U	1.3	13
1,2-Dibromoethane	11	U	1.1	11
Chlorobenzene	6.9	U	0.28	6.9
Ethylbenzene	0.65	J	0.42	6.5
m,p-Xylene	16	U	0.75	16
Xylene, o-	6.5	U	0.52	6.5
Xylene (total)	6.5	U	1.1	6.5
Styrene	0.98	J	0.57	6.4
Bromoform	15	U	0.77	15
1,1,2,2-Tetrachloroethane	10	U	0.82	10
n-Propylbenzene	7.4	U	2.9	7.4
4-Ethyltoluene	7.4	U	0.66	7.4
1,3,5-Trimethylbenzene	7.4	U	0.44	7.4
2-Chlorotoluene	7.7	U	0.50	7.7
tert-Butylbenzene	8.2	U	0.70	8.2
1,2,4-Trimethylbenzene	7.4	U	0.51	7.4

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-DUP-021214**

Lab Sample ID: 200-20955-30
Client Matrix: Air

Date Sampled: 02/12/2014 0000
Date Received: 02/14/2014 1320

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_016.d
Dilution:	7.48			Initial Weight/Volume:	69 mL
Analysis Date:	02/25/2014 0004			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 0004			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	8.2	U	3.3	8.2
4-Isopropyltoluene	8.2	U	3.3	8.2
1,3-Dichlorobenzene	7.5	J B	0.63	9.0
1,4-Dichlorobenzene	9.0	U	0.63	9.0
Benzyl chloride	7.7	U	3.1	7.7
n-Butylbenzene	8.2	U	3.3	8.2
1,2-Dichlorobenzene	9.0	U	0.63	9.0
1,2,4-Trichlorobenzene	28	U	1.5	28
Hexachloro-1,3-butadiene	16	U	1.8	16
Naphthalene	20	U	7.8	20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-7B**

Lab Sample ID: 200-20969-1
Client Matrix: Air

Date Sampled: 02/13/2014 1658
Date Received: 02/17/2014 0940

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_020.d
Dilution:	23.8			Initial Weight/Volume:	35 mL
Analysis Date:	02/25/2014 0322			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 0322			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Freon 12	12	U	0.71	12
Freon 22	12	U	1.1	12
Freon-114	4.8	U	0.83	4.8
Chloromethane	12	U	3.2	12
n-Butane	12	U	6.7	12
Vinyl chloride	0.95	U	0.90	0.95
1,3-Butadiene	4.8	U	1.0	4.8
Bromomethane	4.8	U	0.67	4.8
Chloroethane	12	U	0.71	12
Vinyl bromide	4.8	U	0.71	4.8
Freon 11	4.8	U	0.71	4.8
Freon 113	4.8	U	0.43	4.8
1,1-Dichloroethene	4.8	U	0.57	4.8
Acetone	120	U	30	120
Isopropyl alcohol	460		5.1	120
Carbon disulfide	12	U	1.6	12
Allyl chloride	12	U	0.81	12
Methylene Chloride	58		3.0	12
tert-Butyl alcohol	120	U	7.8	120
Methyl tert-butyl ether	4.8	U	0.52	4.8
trans-1,2-Dichloroethene	4.8	U	0.69	4.8
Hexane	4.8	U	0.81	4.8
1,1-Dichloroethane	4.8	U	0.90	4.8
Methyl Ethyl Ketone	12	U	5.8	12
cis-1,2-Dichloroethene	4.8	U	0.90	4.8
1,2-Dichloroethene, Total	4.8	U	1.5	4.8
Chloroform	2.5	J	0.60	4.8
Tetrahydrofuran	120	U	1.1	120
1,1,1-Trichloroethane	4.8	U	0.50	4.8
Cyclohexane	4.8	U	0.60	4.8
Carbon tetrachloride	0.95	U	0.50	0.95
2,2,4-Trimethylpentane	4.8	U	0.64	4.8
Benzene	4.8	U	0.45	4.8
1,2-Dichloroethane	4.8	U	0.40	4.8
Heptane	4.8	U	1.1	4.8
Trichloroethene	0.95	U	0.57	0.95
Methyl methacrylate	12	U	0.71	12
1,2-Dichloropropane	4.8	U	0.76	4.8
1,4-Dioxane	120	U	4.8	120
Bromodichloromethane	4.8	U	0.40	4.8
cis-1,3-Dichloropropene	4.8	U	0.67	4.8
methyl isobutyl ketone	12	U	0.64	12
Toluene	4.8	U	0.40	4.8
trans-1,3-Dichloropropene	4.8	U	0.52	4.8
1,1,2-Trichloroethane	4.8	U	0.40	4.8
Tetrachloroethene	4.8	U	0.38	4.8

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-7B**

Lab Sample ID: 200-20969-1
Client Matrix: Air

Date Sampled: 02/13/2014 1658
Date Received: 02/17/2014 0940

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_020.d
Dilution:	23.8			Initial Weight/Volume:	35 mL
Analysis Date:	02/25/2014 0322			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 0322			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Methyl Butyl Ketone (2-Hexanone)	12	U	4.8	12
Dibromochloromethane	4.8	U	0.48	4.8
1,2-Dibromoethane	4.8	U	0.48	4.8
Chlorobenzene	4.8	U	0.19	4.8
Ethylbenzene	4.8	U	0.31	4.8
m,p-Xylene	12	U	0.55	12
Xylene, o-	4.8	U	0.38	4.8
Xylene (total)	4.8	U	0.81	4.8
Styrene	4.8	U	0.43	4.8
Bromoform	4.8	U	0.24	4.8
1,1,2,2-Tetrachloroethane	4.8	U	0.38	4.8
n-Propylbenzene	4.8	U	1.9	4.8
4-Ethyltoluene	4.8	U	0.43	4.8
1,3,5-Trimethylbenzene	4.8	U	0.29	4.8
2-Chlorotoluene	4.8	U	0.31	4.8
tert-Butylbenzene	4.8	U	0.40	4.8
1,2,4-Trimethylbenzene	4.8	U	0.33	4.8
sec-Butylbenzene	4.8	U	1.9	4.8
4-Isopropyltoluene	4.8	U	1.9	4.8
1,3-Dichlorobenzene	2.1	J B	0.33	4.8
1,4-Dichlorobenzene	4.8	U	0.33	4.8
Benzyl chloride	4.8	U	1.9	4.8
n-Butylbenzene	4.8	U	1.9	4.8
1,2-Dichlorobenzene	4.8	U	0.33	4.8
1,2,4-Trichlorobenzene	12	U	0.64	12
Hexachloro-1,3-butadiene	4.8	U	0.52	4.8
Naphthalene	12	U	4.8	12

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Freon 12	59	U	3.5	59
Freon 22	42	U	4.0	42
Freon-114	33	U	5.8	33
Chloromethane	25	U	6.7	25
n-Butane	28	U	16	28
Vinyl chloride	2.4	U	2.3	2.4
1,3-Butadiene	11	U	2.2	11
Bromomethane	18	U	2.6	18
Chloroethane	31	U	1.9	31
Vinyl bromide	21	U	3.1	21
Freon 11	27	U	4.0	27
Freon 113	36	U	3.3	36
1,1-Dichloroethene	19	U	2.3	19
Acetone	280	U	71	280
Isopropyl alcohol	1100		13	290
Carbon disulfide	37	U	4.9	37
Allyl chloride	37	U	2.5	37

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-7B**

Lab Sample ID: 200-20969-1
Client Matrix: Air

Date Sampled: 02/13/2014 1658
Date Received: 02/17/2014 0940

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_020.d
Dilution:	23.8			Initial Weight/Volume:	35 mL
Analysis Date:	02/25/2014 0322			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 0322			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Methylene Chloride	200		10	41
tert-Butyl alcohol	360	U	24	360
Methyl tert-butyl ether	17	U	1.9	17
trans-1,2-Dichloroethene	19	U	2.7	19
Hexane	17	U	2.9	17
1,1-Dichloroethane	19	U	3.7	19
Methyl Ethyl Ketone	35	U	17	35
cis-1,2-Dichloroethene	19	U	3.6	19
1,2-Dichloroethene, Total	19	U	6.0	19
Chloroform	12	J	2.9	23
Tetrahydrofuran	350	U	3.2	350
1,1,1-Trichloroethane	26	U	2.7	26
Cyclohexane	16	U	2.0	16
Carbon tetrachloride	6.0	U	3.1	6.0
2,2,4-Trimethylpentane	22	U	3.0	22
Benzene	15	U	1.4	15
1,2-Dichloroethane	19	U	1.6	19
Heptane	20	U	4.5	20
Trichloroethene	5.1	U	3.1	5.1
Methyl methacrylate	49	U	2.9	49
1,2-Dichloropropane	22	U	3.5	22
1,4-Dioxane	430	U	17	430
Bromodichloromethane	32	U	2.7	32
cis-1,3-Dichloropropene	22	U	3.0	22
methyl isobutyl ketone	49	U	2.6	49
Toluene	18	U	1.5	18
trans-1,3-Dichloropropene	22	U	2.4	22
1,1,2-Trichloroethane	26	U	2.2	26
Tetrachloroethene	32	U	2.6	32
Methyl Butyl Ketone (2-Hexanone)	49	U	20	49
Dibromochloromethane	41	U	4.1	41
1,2-Dibromoethane	37	U	3.7	37
Chlorobenzene	22	U	0.89	22
Ethylbenzene	21	U	1.3	21
m,p-Xylene	52	U	2.4	52
Xylene, o-	21	U	1.7	21
Xylene (total)	21	U	3.5	21
Styrene	20	U	1.8	20
Bromoform	49	U	2.5	49
1,1,2,2-Tetrachloroethane	33	U	2.6	33
n-Propylbenzene	23	U	9.4	23
4-Ethyltoluene	23	U	2.1	23
1,3,5-Trimethylbenzene	23	U	1.4	23
2-Chlorotoluene	25	U	1.6	25
tert-Butylbenzene	26	U	2.2	26
1,2,4-Trimethylbenzene	23	U	1.6	23

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Client Sample ID: **SS-VMP-7B**

Lab Sample ID: 200-20969-1
Client Matrix: Air

Date Sampled: 02/13/2014 1658
Date Received: 02/17/2014 0940

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	6282_020.d
Dilution:	23.8			Initial Weight/Volume:	35 mL
Analysis Date:	02/25/2014 0322			Final Weight/Volume:	200 mL
Prep Date:	02/25/2014 0322			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	MDL	RL
sec-Butylbenzene	26	U	10	26
4-Isopropyltoluene	26	U	10	26
1,3-Dichlorobenzene	13	J B	2.0	29
1,4-Dichlorobenzene	29	U	2.0	29
Benzyl chloride	25	U	9.9	25
n-Butylbenzene	26	U	10	26
1,2-Dichlorobenzene	29	U	2.0	29
1,2,4-Trichlorobenzene	88	U	4.8	88
Hexachloro-1,3-butadiene	51	U	5.6	51
Naphthalene	62	U	25	62

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Method Blank - Batch: 200-68679

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68679/4	Analysis Batch:	200-68679	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6267_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/21/2014 1323	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 1323			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	0.50	U	0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.20	U	0.030	0.20
Freon 113	0.20	U	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.0	U	1.3	5.0
Isopropyl alcohol	5.0	U	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.50	U	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.20	U	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Method Blank - Batch: 200-68679

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68679/4	Analysis Batch:	200-68679	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6267_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/21/2014 1323	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 1323			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.20	U	0.016	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.20	U	0.013	0.20
m,p-Xylene	0.50	U	0.023	0.50
Xylene, o-	0.20	U	0.016	0.20
Xylene (total)	0.20	U	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.20	U	0.014	0.20
1,4-Dichlorobenzene	0.20	U	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Method Blank - Batch: 200-68679

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68679/4	Analysis Batch:	200-68679	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6267_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/21/2014 1323	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 1323			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	2.5	U	0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.1	U	0.17	1.1
Freon 113	1.5	U	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12	U	3.0	12
Isopropyl alcohol	12	U	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6
Methylene Chloride	1.7	U	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	0.75	U	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Method Blank - Batch: 200-68679

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68679/4	Analysis Batch:	200-68679	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6267_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/21/2014 1323	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 1323			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.87	U	0.056	0.87
m,p-Xylene	2.2	U	0.10	2.2
Xylene, o-	0.87	U	0.069	0.87
Xylene (total)	0.87	U	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	1.2	U	0.084	1.2
1,4-Dichlorobenzene	1.2	U	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Control Sample - Batch: 200-68679

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68679/3	Analysis Batch:	200-68679	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6267_003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/21/2014 1236	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 1236			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Freon 12	10.0	8.98	90	70 - 130	
Freon 22	10.0	8.83	88	70 - 130	
Freon-114	10.0	9.89	99	70 - 130	
Chloromethane	10.0	8.50	85	70 - 130	
n-Butane	10.0	8.85	89	70 - 130	
Vinyl chloride	10.0	8.30	83	70 - 130	
1,3-Butadiene	10.0	8.47	85	70 - 130	
Bromomethane	10.0	9.02	90	70 - 130	
Chloroethane	10.0	8.92	89	70 - 130	
Vinyl bromide	10.0	9.04	90	70 - 130	
Freon 11	10.0	8.79	88	70 - 130	
Freon 113	10.0	9.04	90	70 - 130	
1,1-Dichloroethene	10.0	8.79	88	70 - 130	
Acetone	10.0	11.2	112	70 - 130	
Isopropyl alcohol	10.0	7.72	77	70 - 130	
Carbon disulfide	10.0	10.2	102	70 - 130	
Allyl chloride	10.0	8.56	86	70 - 130	
Methylene Chloride	10.0	8.89	89	70 - 130	
tert-Butyl alcohol	10.0	8.24	82	70 - 130	
Methyl tert-butyl ether	10.0	9.10	91	70 - 130	
trans-1,2-Dichloroethene	10.0	9.62	96	70 - 130	
Hexane	10.0	9.59	96	70 - 130	
1,1-Dichloroethane	10.0	9.09	91	70 - 130	
Methyl Ethyl Ketone	10.0	8.96	90	70 - 130	
cis-1,2-Dichloroethene	10.0	8.92	89	70 - 130	
Chloroform	10.0	9.06	91	70 - 130	
Tetrahydrofuran	10.0	9.27	93	70 - 130	
1,1,1-Trichloroethane	10.0	9.11	91	70 - 130	
Cyclohexane	10.0	9.16	92	70 - 130	
Carbon tetrachloride	10.0	9.01	90	70 - 130	
2,2,4-Trimethylpentane	10.0	9.02	90	70 - 130	
Benzene	10.0	9.03	90	70 - 130	
1,2-Dichloroethane	10.0	9.05	90	70 - 130	
Heptane	10.0	8.72	87	70 - 130	
Trichloroethene	10.0	8.88	89	70 - 130	
Methyl methacrylate	10.0	9.86	99	70 - 130	
1,2-Dichloropropane	10.0	9.10	91	70 - 130	
1,4-Dioxane	10.0	8.27	83	70 - 130	
Bromodichloromethane	10.0	9.43	94	70 - 130	
cis-1,3-Dichloropropene	10.0	9.53	95	70 - 130	
methyl isobutyl ketone	10.0	9.16	92	70 - 130	
Toluene	10.0	9.06	91	70 - 130	
trans-1,3-Dichloropropene	10.0	9.56	96	70 - 130	
1,1,2-Trichloroethane	10.0	9.05	91	70 - 130	
Tetrachloroethene	10.0	8.97	90	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.24	92	70 - 130	

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Control Sample - Batch: 200-68679

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68679/3	Analysis Batch:	200-68679	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6267_003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/21/2014 1236	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/21/2014 1236			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	9.38	94	70 - 130	
1,2-Dibromoethane	10.0	9.47	95	70 - 130	
Chlorobenzene	10.0	9.21	92	70 - 130	
Ethylbenzene	10.0	9.13	91	70 - 130	
m,p-Xylene	20.0	18.2	91	70 - 130	
Xylene, o-	10.0	8.98	90	70 - 130	
Styrene	10.0	9.67	97	70 - 130	
Bromoform	10.0	9.91	99	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.17	92	70 - 130	
n-Propylbenzene	10.0	9.19	92	70 - 130	
4-Ethyltoluene	10.0	9.45	94	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.06	91	70 - 130	
2-Chlorotoluene	10.0	9.02	90	70 - 130	
tert-Butylbenzene	10.0	8.91	89	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.21	92	70 - 130	
sec-Butylbenzene	10.0	9.09	91	70 - 130	
4-Isopropyltoluene	10.0	9.26	93	70 - 130	
1,3-Dichlorobenzene	10.0	9.97	100	70 - 130	
1,4-Dichlorobenzene	10.0	10.0	100	70 - 130	
Benzyl chloride	10.0	9.43	94	70 - 130	
n-Butylbenzene	10.0	9.42	94	70 - 130	
1,2-Dichlorobenzene	10.0	9.72	97	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.29	93	70 - 130	
Hexachloro-1,3-butadiene	10.0	12.1	121	70 - 130	
Naphthalene	10.0	8.79	88	70 - 130	

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Method Blank - Batch: 200-68730

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68730/4	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6282_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1346	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1346			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	0.50	U	0.030	0.50
Freon 22	0.50	U	0.048	0.50
Freon-114	0.20	U	0.035	0.20
Chloromethane	0.50	U	0.14	0.50
n-Butane	0.50	U	0.28	0.50
Vinyl chloride	0.040	U	0.038	0.040
1,3-Butadiene	0.20	U	0.042	0.20
Bromomethane	0.20	U	0.028	0.20
Chloroethane	0.50	U	0.030	0.50
Vinyl bromide	0.20	U	0.030	0.20
Freon 11	0.20	U	0.030	0.20
Freon 113	0.20	U	0.018	0.20
1,1-Dichloroethene	0.20	U	0.024	0.20
Acetone	5.0	U	1.3	5.0
Isopropyl alcohol	5.0	U	0.22	5.0
Carbon disulfide	0.50	U	0.066	0.50
Allyl chloride	0.50	U	0.034	0.50
Methylene Chloride	0.50	U	0.13	0.50
tert-Butyl alcohol	5.0	U	0.33	5.0
Methyl tert-butyl ether	0.20	U	0.022	0.20
trans-1,2-Dichloroethene	0.20	U	0.029	0.20
Hexane	0.20	U	0.034	0.20
1,1-Dichloroethane	0.20	U	0.038	0.20
Methyl Ethyl Ketone	0.50	U	0.24	0.50
cis-1,2-Dichloroethene	0.20	U	0.038	0.20
1,2-Dichloroethene, Total	0.20	U	0.064	0.20
Chloroform	0.20	U	0.025	0.20
Tetrahydrofuran	5.0	U	0.046	5.0
1,1,1-Trichloroethane	0.20	U	0.021	0.20
Cyclohexane	0.20	U	0.025	0.20
Carbon tetrachloride	0.040	U	0.021	0.040
2,2,4-Trimethylpentane	0.20	U	0.027	0.20
Benzene	0.20	U	0.019	0.20
1,2-Dichloroethane	0.20	U	0.017	0.20
Heptane	0.20	U	0.046	0.20
Trichloroethene	0.040	U	0.024	0.040
Methyl methacrylate	0.50	U	0.030	0.50
1,2-Dichloropropane	0.20	U	0.032	0.20
1,4-Dioxane	5.0	U	0.20	5.0
Bromodichloromethane	0.20	U	0.017	0.20
cis-1,3-Dichloropropene	0.20	U	0.028	0.20
methyl isobutyl ketone	0.50	U	0.027	0.50
Toluene	0.20	U	0.017	0.20
trans-1,3-Dichloropropene	0.20	U	0.022	0.20
1,1,2-Trichloroethane	0.20	U	0.017	0.20

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Method Blank - Batch: 200-68730

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68730/4	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6282_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1346	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1346			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.20	U	0.016	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.20	0.50
Dibromochloromethane	0.20	U	0.020	0.20
1,2-Dibromoethane	0.20	U	0.020	0.20
Chlorobenzene	0.20	U	0.0081	0.20
Ethylbenzene	0.20	U	0.013	0.20
m,p-Xylene	0.50	U	0.023	0.50
Xylene, o-	0.20	U	0.016	0.20
Xylene (total)	0.20	U	0.034	0.20
Styrene	0.20	U	0.018	0.20
Bromoform	0.20	U	0.010	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.016	0.20
n-Propylbenzene	0.20	U	0.080	0.20
4-Ethyltoluene	0.20	U	0.018	0.20
1,3,5-Trimethylbenzene	0.20	U	0.012	0.20
2-Chlorotoluene	0.20	U	0.013	0.20
tert-Butylbenzene	0.20	U	0.017	0.20
1,2,4-Trimethylbenzene	0.20	U	0.014	0.20
sec-Butylbenzene	0.20	U	0.080	0.20
4-Isopropyltoluene	0.20	U	0.080	0.20
1,3-Dichlorobenzene	0.0272	J	0.014	0.20
1,4-Dichlorobenzene	0.0353	J	0.014	0.20
Benzyl chloride	0.20	U	0.080	0.20
n-Butylbenzene	0.20	U	0.080	0.20
1,2-Dichlorobenzene	0.20	U	0.014	0.20
1,2,4-Trichlorobenzene	0.50	U	0.027	0.50
Hexachloro-1,3-butadiene	0.20	U	0.022	0.20
Naphthalene	0.50	U	0.20	0.50

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Method Blank - Batch: 200-68730

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68730/4	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6282_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1346	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1346			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Freon 12	2.5	U	0.15	2.5
Freon 22	1.8	U	0.17	1.8
Freon-114	1.4	U	0.24	1.4
Chloromethane	1.0	U	0.28	1.0
n-Butane	1.2	U	0.67	1.2
Vinyl chloride	0.10	U	0.097	0.10
1,3-Butadiene	0.44	U	0.093	0.44
Bromomethane	0.78	U	0.11	0.78
Chloroethane	1.3	U	0.079	1.3
Vinyl bromide	0.87	U	0.13	0.87
Freon 11	1.1	U	0.17	1.1
Freon 113	1.5	U	0.14	1.5
1,1-Dichloroethene	0.79	U	0.095	0.79
Acetone	12	U	3.0	12
Isopropyl alcohol	12	U	0.53	12
Carbon disulfide	1.6	U	0.21	1.6
Allyl chloride	1.6	U	0.11	1.6
Methylene Chloride	1.7	U	0.43	1.7
tert-Butyl alcohol	15	U	0.99	15
Methyl tert-butyl ether	0.72	U	0.079	0.72
trans-1,2-Dichloroethene	0.79	U	0.11	0.79
Hexane	0.70	U	0.12	0.70
1,1-Dichloroethane	0.81	U	0.15	0.81
Methyl Ethyl Ketone	1.5	U	0.71	1.5
cis-1,2-Dichloroethene	0.79	U	0.15	0.79
1,2-Dichloroethene, Total	0.79	U	0.25	0.79
Chloroform	0.98	U	0.12	0.98
Tetrahydrofuran	15	U	0.14	15
1,1,1-Trichloroethane	1.1	U	0.11	1.1
Cyclohexane	0.69	U	0.086	0.69
Carbon tetrachloride	0.25	U	0.13	0.25
2,2,4-Trimethylpentane	0.93	U	0.13	0.93
Benzene	0.64	U	0.061	0.64
1,2-Dichloroethane	0.81	U	0.069	0.81
Heptane	0.82	U	0.19	0.82
Trichloroethene	0.21	U	0.13	0.21
Methyl methacrylate	2.0	U	0.12	2.0
1,2-Dichloropropane	0.92	U	0.15	0.92
1,4-Dioxane	18	U	0.72	18
Bromodichloromethane	1.3	U	0.11	1.3
cis-1,3-Dichloropropene	0.91	U	0.13	0.91
methyl isobutyl ketone	2.0	U	0.11	2.0
Toluene	0.75	U	0.064	0.75
trans-1,3-Dichloropropene	0.91	U	0.10	0.91
1,1,2-Trichloroethane	1.1	U	0.093	1.1

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Method Blank - Batch: 200-68730

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-68730/4	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6282_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1346	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1346			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.4	U	0.11	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.82	2.0
Dibromochloromethane	1.7	U	0.17	1.7
1,2-Dibromoethane	1.5	U	0.15	1.5
Chlorobenzene	0.92	U	0.037	0.92
Ethylbenzene	0.87	U	0.056	0.87
m,p-Xylene	2.2	U	0.10	2.2
Xylene, o-	0.87	U	0.069	0.87
Xylene (total)	0.87	U	0.15	0.87
Styrene	0.85	U	0.077	0.85
Bromoform	2.1	U	0.10	2.1
1,1,2,2-Tetrachloroethane	1.4	U	0.11	1.4
n-Propylbenzene	0.98	U	0.39	0.98
4-Ethyltoluene	0.98	U	0.088	0.98
1,3,5-Trimethylbenzene	0.98	U	0.059	0.98
2-Chlorotoluene	1.0	U	0.067	1.0
tert-Butylbenzene	1.1	U	0.093	1.1
1,2,4-Trimethylbenzene	0.98	U	0.069	0.98
sec-Butylbenzene	1.1	U	0.44	1.1
4-Isopropyltoluene	1.1	U	0.44	1.1
1,3-Dichlorobenzene	0.163	J	0.084	1.2
1,4-Dichlorobenzene	0.212	J	0.084	1.2
Benzyl chloride	1.0	U	0.41	1.0
n-Butylbenzene	1.1	U	0.44	1.1
1,2-Dichlorobenzene	1.2	U	0.084	1.2
1,2,4-Trichlorobenzene	3.7	U	0.20	3.7
Hexachloro-1,3-butadiene	2.1	U	0.23	2.1
Naphthalene	2.6	U	1.0	2.6

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Control Sample - Batch: 200-68730

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68730/3	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6282_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1229	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1229			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Freon 12	10.0	8.87	89	70 - 130	
Freon 22	10.0	8.79	88	70 - 130	
Freon-114	10.0	9.45	95	70 - 130	
Chloromethane	10.0	8.46	85	70 - 130	
n-Butane	10.0	9.17	92	70 - 130	
Vinyl chloride	10.0	8.29	83	70 - 130	
1,3-Butadiene	10.0	8.98	90	70 - 130	
Bromomethane	10.0	8.31	83	70 - 130	
Chloroethane	10.0	8.51	85	70 - 130	
Vinyl bromide	10.0	9.15	92	70 - 130	
Freon 11	10.0	8.59	86	70 - 130	
Freon 113	10.0	8.70	87	70 - 130	
1,1-Dichloroethene	10.0	9.34	93	70 - 130	
Acetone	10.0	9.94	99	70 - 130	
Isopropyl alcohol	10.0	8.46	85	70 - 130	
Carbon disulfide	10.0	10.3	103	70 - 130	
Allyl chloride	10.0	9.58	96	70 - 130	
Methylene Chloride	10.0	8.94	89	70 - 130	
tert-Butyl alcohol	10.0	8.99	90	70 - 130	
Methyl tert-butyl ether	10.0	10.6	106	70 - 130	
trans-1,2-Dichloroethene	10.0	9.87	99	70 - 130	
Hexane	10.0	11.1	111	70 - 130	
1,1-Dichloroethane	10.0	8.75	87	70 - 130	
Methyl Ethyl Ketone	10.0	9.47	95	70 - 130	
cis-1,2-Dichloroethene	10.0	9.53	95	70 - 130	
Chloroform	10.0	8.94	89	70 - 130	
Tetrahydrofuran	10.0	9.51	95	70 - 130	
1,1,1-Trichloroethane	10.0	8.99	90	70 - 130	
Cyclohexane	10.0	10.2	102	70 - 130	
Carbon tetrachloride	10.0	8.59	86	70 - 130	
2,2,4-Trimethylpentane	10.0	10.5	105	70 - 130	
Benzene	10.0	9.01	90	70 - 130	
1,2-Dichloroethane	10.0	9.08	91	70 - 130	
Heptane	10.0	10.5	105	70 - 130	
Trichloroethene	10.0	9.44	94	70 - 130	
Methyl methacrylate	10.0	9.95	100	70 - 130	
1,2-Dichloropropane	10.0	9.06	91	70 - 130	
1,4-Dioxane	10.0	8.81	88	70 - 130	
Bromodichloromethane	10.0	9.00	90	70 - 130	
cis-1,3-Dichloropropene	10.0	10.5	105	70 - 130	
methyl isobutyl ketone	10.0	9.70	97	70 - 130	
Toluene	10.0	9.69	97	70 - 130	
trans-1,3-Dichloropropene	10.0	10.1	101	70 - 130	
1,1,2-Trichloroethane	10.0	9.17	92	70 - 130	
Tetrachloroethene	10.0	9.22	92	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.74	97	70 - 130	

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Control Sample - Batch: 200-68730

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-68730/3	Analysis Batch:	200-68730	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	6282_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	02/24/2014 1229	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	02/24/2014 1229			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	9.14	91	70 - 130	
1,2-Dibromoethane	10.0	9.57	96	70 - 130	
Chlorobenzene	10.0	8.91	89	70 - 130	
Ethylbenzene	10.0	9.74	97	70 - 130	
m,p-Xylene	20.0	19.0	95	70 - 130	
Xylene, o-	10.0	10.2	102	70 - 130	
Styrene	10.0	10.3	103	70 - 130	
Bromoform	10.0	9.24	92	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	8.76	88	70 - 130	
n-Propylbenzene	10.0	9.84	98	70 - 130	
4-Ethyltoluene	10.0	9.67	97	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.32	93	70 - 130	
2-Chlorotoluene	10.0	9.09	91	70 - 130	
tert-Butylbenzene	10.0	9.50	95	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.60	96	70 - 130	
sec-Butylbenzene	10.0	9.52	95	70 - 130	
4-Isopropyltoluene	10.0	9.81	98	70 - 130	
1,3-Dichlorobenzene	10.0	9.12	91	70 - 130	
1,4-Dichlorobenzene	10.0	9.63	96	70 - 130	
Benzyl chloride	10.0	9.76	98	70 - 130	
n-Butylbenzene	10.0	9.20	92	70 - 130	
1,2-Dichlorobenzene	10.0	9.05	91	70 - 130	
1,2,4-Trichlorobenzene	10.0	8.37	84	70 - 130	
Hexachloro-1,3-butadiene	10.0	8.77	88	70 - 130	
Naphthalene	10.0	8.30	83	70 - 130	

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

Lab Section	Qualifier	Description
Air - GC/MS VOA		
	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
Sdg Number: 200-20955-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-68679					
LCS 200-68679/3	Lab Control Sample	T	Air	TO-15	
MB 200-68679/4	Method Blank	T	Air	TO-15	
Analysis Batch:200-68730					
LCS 200-68730/3	Lab Control Sample	T	Air	TO-15	
MB 200-68730/4	Method Blank	T	Air	TO-15	
200-20955-20	SS-VMP-3E	T	Air	TO-15	
200-20955-22	SS-VMP-4	T	Air	TO-15	
200-20955-24	SS-VMP-5A	T	Air	TO-15	
200-20955-25	SS-VMP-7	T	Air	TO-15	
200-20955-28	SS-VMP-7A	T	Air	TO-15	
200-20955-30	SS-DUP-021214	T	Air	TO-15	
200-20969-1	SS-VMP-7B	T	Air	TO-15	
Analysis Batch:200-68745					
200-20955-2	SS-VMP-1B	T	Air	TO-15	
200-20955-4	SS-VMP-2B	T	Air	TO-15	
200-20955-6	SS-VMP-2C	T	Air	TO-15	
200-20955-8	SS-VMP-3A	T	Air	TO-15	
200-20955-10	SS-VMP-3B	T	Air	TO-15	
200-20955-12	SS-VMP-3D	T	Air	TO-15	
200-20955-14	SS-VMP-5B	T	Air	TO-15	
200-20955-16	SS-VMP-6A	T	Air	TO-15	
200-20955-18	SS-VMP-6B	T	Air	TO-15	

Report Basis
T = Total

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
SDG: 200-20955-2

Laboratory Chronicle

Lab ID: 200-20955-2 **Client ID:** SS-VMP-1B

Sample Date/Time: 02/12/2014 17:15 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-2		200-68745		02/21/2014 23:08	1	TAL BUR	PAD
A:TO-15	200-20955-A-2		200-68745		02/21/2014 23:08	1	TAL BUR	PAD

Lab ID: 200-20955-4 **Client ID:** SS-VMP-2B

Sample Date/Time: 02/12/2014 17:21 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-4		200-68745		02/21/2014 23:55	2.5	TAL BUR	PAD
A:TO-15	200-20955-A-4		200-68745		02/21/2014 23:55	2.5	TAL BUR	PAD

Lab ID: 200-20955-6 **Client ID:** SS-VMP-2C

Sample Date/Time: 02/12/2014 17:27 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-6		200-68745		02/22/2014 00:43	1	TAL BUR	PAD
A:TO-15	200-20955-A-6		200-68745		02/22/2014 00:43	1	TAL BUR	PAD

Lab ID: 200-20955-8 **Client ID:** SS-VMP-3A

Sample Date/Time: 02/12/2014 17:03 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-8		200-68745		02/22/2014 02:17	20.1	TAL BUR	PAD
A:TO-15	200-20955-A-8		200-68745		02/22/2014 02:17	20.1	TAL BUR	PAD

Lab ID: 200-20955-10 **Client ID:** SS-VMP-3B

Sample Date/Time: 02/12/2014 17:25 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-10		200-68745		02/22/2014 03:04	1	TAL BUR	PAD
A:TO-15	200-20955-A-10		200-68745		02/22/2014 03:04	1	TAL BUR	PAD

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
SDG: 200-20955-2

Laboratory Chronicle

Lab ID: 200-20955-12 **Client ID:** SS-VMP-3D

Sample Date/Time: 02/12/2014 17:32 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-12		200-68745		02/22/2014 03:51	1	TAL BUR	PAD
A:TO-15	200-20955-A-12		200-68745		02/22/2014 03:51	1	TAL BUR	PAD

Lab ID: 200-20955-14 **Client ID:** SS-VMP-5B

Sample Date/Time: 02/12/2014 17:13 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-14		200-68745		02/22/2014 05:25	6.9	TAL BUR	PAD
A:TO-15	200-20955-A-14		200-68745		02/22/2014 05:25	6.9	TAL BUR	PAD

Lab ID: 200-20955-16 **Client ID:** SS-VMP-6A

Sample Date/Time: 02/12/2014 16:32 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-16		200-68745		02/22/2014 06:58	10	TAL BUR	PAD
A:TO-15	200-20955-A-16		200-68745		02/22/2014 06:58	10	TAL BUR	PAD

Lab ID: 200-20955-18 **Client ID:** SS-VMP-6B

Sample Date/Time: 02/12/2014 17:07 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-18		200-68745		02/22/2014 08:32	10	TAL BUR	PAD
A:TO-15	200-20955-A-18		200-68745		02/22/2014 08:32	10	TAL BUR	PAD

Lab ID: 200-20955-20 **Client ID:** SS-VMP-3E

Sample Date/Time: 02/12/2014 17:40 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-20		200-68730		02/24/2014 19:16	1	TAL BUR	BPL
A:TO-15	200-20955-A-20		200-68730		02/24/2014 19:16	1	TAL BUR	BPL

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
SDG: 200-20955-2

Laboratory Chronicle

Lab ID: 200-20955-22 **Client ID:** SS-VMP-4

Sample Date/Time: 02/12/2014 16:41 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-22		200-68730		02/24/2014 20:04	2	TAL BUR	BPL
A:TO-15	200-20955-A-22		200-68730		02/24/2014 20:04	2	TAL BUR	BPL

Lab ID: 200-20955-24 **Client ID:** SS-VMP-5A

Sample Date/Time: 02/12/2014 16:55 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-24		200-68730		02/24/2014 21:40	5.71	TAL BUR	BPL
A:TO-15	200-20955-A-24		200-68730		02/24/2014 21:40	5.71	TAL BUR	BPL

Lab ID: 200-20955-25 **Client ID:** SS-VMP-7

Sample Date/Time: 02/12/2014 17:01 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-25		200-68730		02/24/2014 22:28	8	TAL BUR	BPL
A:TO-15	200-20955-A-25		200-68730		02/24/2014 22:28	8	TAL BUR	BPL

Lab ID: 200-20955-28 **Client ID:** SS-VMP-7A

Sample Date/Time: 02/12/2014 18:06 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-28		200-68730		02/24/2014 23:16	7.49	TAL BUR	BPL
A:TO-15	200-20955-A-28		200-68730		02/24/2014 23:16	7.49	TAL BUR	BPL

Lab ID: 200-20955-30 **Client ID:** SS-DUP-021214

Sample Date/Time: 02/12/2014 00:00 Received Date/Time: 02/14/2014 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20955-A-30		200-68730		02/25/2014 00:04	7.48	TAL BUR	BPL
A:TO-15	200-20955-A-30		200-68730		02/25/2014 00:04	7.48	TAL BUR	BPL

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
SDG: 200-20955-2

Laboratory Chronicle

Lab ID: 200-20969-1 **Client ID:** SS-VMP-7B

Sample Date/Time: 02/13/2014 16:58 Received Date/Time: 02/17/2014 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-20969-A-1		200-68730		02/25/2014 03:22	23.8	TAL BUR	BPL
A:TO-15	200-20969-A-1		200-68730		02/25/2014 03:22	23.8	TAL BUR	BPL

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-68679/4		200-68679		02/21/2014 13:23	1	TAL BUR	BPL
A:TO-15	MB 200-68679/4		200-68679		02/21/2014 13:23	1	TAL BUR	BPL
P:Summa Canister	MB 200-68730/4		200-68730		02/24/2014 13:46	1	TAL BUR	BPL
A:TO-15	MB 200-68730/4		200-68730		02/24/2014 13:46	1	TAL BUR	BPL

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-68679/3		200-68679		02/21/2014 12:36	1	TAL BUR	BPL
A:TO-15	LCS 200-68679/3		200-68679		02/21/2014 12:36	1	TAL BUR	BPL
P:Summa Canister	LCS 200-68730/3		200-68730		02/24/2014 12:29	1	TAL BUR	BPL
A:TO-15	LCS 200-68730/3		200-68730		02/24/2014 12:29	1	TAL BUR	BPL

Lab References:
TAL BUR = TestAmerica Burlington

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: LMC Utica

TestAmerica Job ID: 200-20955-2
SDG: 200-20955-2

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA
TestAmerica Burlington	Florida	NELAP	4	E87467
TestAmerica Burlington	L-A-B	DoD ELAP		L2336
TestAmerica Burlington	Louisiana	NELAP	6	176292
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAP	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAP	1	2006
TestAmerica Burlington	New Jersey	NELAP	2	VT972
TestAmerica Burlington	New York	NELAP	2	10391
TestAmerica Burlington	Pennsylvania	NELAP	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	US Fish & Wildlife	Federal		LE-058448-0
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAP	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method TO15

Volatile Organic Compounds (GC/MS)
by Method TO15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Matrix: Air Level: Low Lab File ID: 6267_003.D

Lab ID: LCS 200-68679/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 12	10.0	8.98	90	70-130	
Freon 22	10.0	8.83	88	70-130	
Freon-114	10.0	9.89	99	70-130	
Chloromethane	10.0	8.50	85	70-130	
n-Butane	10.0	8.85	89	70-130	
Vinyl chloride	10.0	8.30	83	70-130	
1,3-Butadiene	10.0	8.47	85	70-130	
Bromomethane	10.0	9.02	90	70-130	
Chloroethane	10.0	8.92	89	70-130	
Vinyl bromide	10.0	9.04	90	70-130	
Freon 11	10.0	8.79	88	70-130	
Freon 113	10.0	9.04	90	70-130	
1,1-Dichloroethene	10.0	8.79	88	70-130	
Acetone	10.0	11.2	112	70-130	
Isopropyl alcohol	10.0	7.72	77	70-130	
Carbon disulfide	10.0	10.2	102	70-130	
Allyl chloride	10.0	8.56	86	70-130	
Methylene Chloride	10.0	8.89	89	70-130	
tert-Butyl alcohol	10.0	8.24	82	70-130	
Methyl tert-butyl ether	10.0	9.10	91	70-130	
trans-1,2-Dichloroethene	10.0	9.62	96	70-130	
Hexane	10.0	9.59	96	70-130	
1,1-Dichloroethane	10.0	9.09	91	70-130	
Methyl Ethyl Ketone	10.0	8.96	90	70-130	
cis-1,2-Dichloroethene	10.0	8.92	89	70-130	
Chloroform	10.0	9.06	91	70-130	
Tetrahydrofuran	10.0	9.27	93	70-130	
1,1,1-Trichloroethane	10.0	9.11	91	70-130	
Cyclohexane	10.0	9.16	92	70-130	
Carbon tetrachloride	10.0	9.01	90	70-130	
2,2,4-Trimethylpentane	10.0	9.02	90	70-130	
Benzene	10.0	9.03	90	70-130	
1,2-Dichloroethane	10.0	9.05	90	70-130	
Heptane	10.0	8.72	87	70-130	
Trichloroethene	10.0	8.88	89	70-130	
Methyl methacrylate	10.0	9.86	99	70-130	
1,2-Dichloropropane	10.0	9.10	91	70-130	
1,4-Dioxane	10.0	8.27	83	70-130	
Bromodichloromethane	10.0	9.43	94	70-130	
cis-1,3-Dichloropropene	10.0	9.53	95	70-130	
methyl isobutyl ketone	10.0	9.16	92	70-130	
Toluene	10.0	9.06	91	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Matrix: Air Level: Low Lab File ID: 6267_003.D

Lab ID: LCS 200-68679/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	9.56	96	70-130	
1,1,2-Trichloroethane	10.0	9.05	91	70-130	
Tetrachloroethene	10.0	8.97	90	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.24	92	70-130	
Dibromochloromethane	10.0	9.38	94	70-130	
1,2-Dibromoethane	10.0	9.47	95	70-130	
Chlorobenzene	10.0	9.21	92	70-130	
Ethylbenzene	10.0	9.13	91	70-130	
m,p-Xylene	20.0	18.2	91	70-130	
Xylene, o-	10.0	8.98	90	70-130	
Styrene	10.0	9.67	97	70-130	
Bromoform	10.0	9.91	99	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.17	92	70-130	
n-Propylbenzene	10.0	9.19	92	70-130	
4-Ethyltoluene	10.0	9.45	94	70-130	
1,3,5-Trimethylbenzene	10.0	9.06	91	70-130	
2-Chlorotoluene	10.0	9.02	90	70-130	
tert-Butylbenzene	10.0	8.91	89	70-130	
1,2,4-Trimethylbenzene	10.0	9.21	92	70-130	
sec-Butylbenzene	10.0	9.09	91	70-130	
4-Isopropyltoluene	10.0	9.26	93	70-130	
1,3-Dichlorobenzene	10.0	9.97	100	70-130	
1,4-Dichlorobenzene	10.0	10.0	100	70-130	
Benzyl chloride	10.0	9.43	94	70-130	
n-Butylbenzene	10.0	9.42	94	70-130	
1,2-Dichlorobenzene	10.0	9.72	97	70-130	
1,2,4-Trichlorobenzene	10.0	9.29	93	70-130	
Hexachloro-1,3-butadiene	10.0	12.1	121	70-130	
Naphthalene	10.0	8.79	88	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Matrix: Air Level: Low Lab File ID: 6282_003.d

Lab ID: LCS 200-68730/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 12	10.0	8.87	89	70-130	
Freon 22	10.0	8.79	88	70-130	
Freon-114	10.0	9.45	95	70-130	
Chloromethane	10.0	8.46	85	70-130	
n-Butane	10.0	9.17	92	70-130	
Vinyl chloride	10.0	8.29	83	70-130	
1,3-Butadiene	10.0	8.98	90	70-130	
Bromomethane	10.0	8.31	83	70-130	
Chloroethane	10.0	8.51	85	70-130	
Vinyl bromide	10.0	9.15	92	70-130	
Freon 11	10.0	8.59	86	70-130	
Freon 113	10.0	8.70	87	70-130	
1,1-Dichloroethene	10.0	9.34	93	70-130	
Acetone	10.0	9.94	99	70-130	
Isopropyl alcohol	10.0	8.46	85	70-130	
Carbon disulfide	10.0	10.3	103	70-130	
Allyl chloride	10.0	9.58	96	70-130	
Methylene Chloride	10.0	8.94	89	70-130	
tert-Butyl alcohol	10.0	8.99	90	70-130	
Methyl tert-butyl ether	10.0	10.6	106	70-130	
trans-1,2-Dichloroethene	10.0	9.87	99	70-130	
Hexane	10.0	11.1	111	70-130	
1,1-Dichloroethane	10.0	8.75	87	70-130	
Methyl Ethyl Ketone	10.0	9.47	95	70-130	
cis-1,2-Dichloroethene	10.0	9.53	95	70-130	
Chloroform	10.0	8.94	89	70-130	
Tetrahydrofuran	10.0	9.51	95	70-130	
1,1,1-Trichloroethane	10.0	8.99	90	70-130	
Cyclohexane	10.0	10.2	102	70-130	
Carbon tetrachloride	10.0	8.59	86	70-130	
2,2,4-Trimethylpentane	10.0	10.5	105	70-130	
Benzene	10.0	9.01	90	70-130	
1,2-Dichloroethane	10.0	9.08	91	70-130	
Heptane	10.0	10.5	105	70-130	
Trichloroethene	10.0	9.44	94	70-130	
Methyl methacrylate	10.0	9.95	100	70-130	
1,2-Dichloropropane	10.0	9.06	91	70-130	
1,4-Dioxane	10.0	8.81	88	70-130	
Bromodichloromethane	10.0	9.00	90	70-130	
cis-1,3-Dichloropropene	10.0	10.5	105	70-130	
methyl isobutyl ketone	10.0	9.70	97	70-130	
Toluene	10.0	9.69	97	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Matrix: Air Level: Low Lab File ID: 6282_003.d

Lab ID: LCS 200-68730/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.1	101	70-130	
1,1,2-Trichloroethane	10.0	9.17	92	70-130	
Tetrachloroethene	10.0	9.22	92	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.74	97	70-130	
Dibromochloromethane	10.0	9.14	91	70-130	
1,2-Dibromoethane	10.0	9.57	96	70-130	
Chlorobenzene	10.0	8.91	89	70-130	
Ethylbenzene	10.0	9.74	97	70-130	
m,p-Xylene	20.0	19.0	95	70-130	
Xylene, o-	10.0	10.2	102	70-130	
Styrene	10.0	10.3	103	70-130	
Bromoform	10.0	9.24	92	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.76	88	70-130	
n-Propylbenzene	10.0	9.84	98	70-130	
4-Ethyltoluene	10.0	9.67	97	70-130	
1,3,5-Trimethylbenzene	10.0	9.32	93	70-130	
2-Chlorotoluene	10.0	9.09	91	70-130	
tert-Butylbenzene	10.0	9.50	95	70-130	
1,2,4-Trimethylbenzene	10.0	9.60	96	70-130	
sec-Butylbenzene	10.0	9.52	95	70-130	
4-Isopropyltoluene	10.0	9.81	98	70-130	
1,3-Dichlorobenzene	10.0	9.12	91	70-130	
1,4-Dichlorobenzene	10.0	9.63	96	70-130	
Benzyl chloride	10.0	9.76	98	70-130	
n-Butylbenzene	10.0	9.20	92	70-130	
1,2-Dichlorobenzene	10.0	9.05	91	70-130	
1,2,4-Trichlorobenzene	10.0	8.37	84	70-130	
Hexachloro-1,3-butadiene	10.0	8.77	88	70-130	
Naphthalene	10.0	8.30	83	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Lab File ID: 6267_004.D Lab Sample ID: MB 200-68679/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHG.i Date Analyzed: 02/21/2014 13:23

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-68679/3	6267_003.D	02/21/2014 12:36
SS-VMP-1B	200-20955-2	6267_016.D	02/21/2014 23:08
SS-VMP-2B	200-20955-4	6267_017.D	02/21/2014 23:55
SS-VMP-2C	200-20955-6	6267_018.D	02/22/2014 00:43
SS-VMP-3A	200-20955-8	6267_020.D	02/22/2014 02:17
SS-VMP-3B	200-20955-10	6267_021.D	02/22/2014 03:04
SS-VMP-3D	200-20955-12	6267_022.D	02/22/2014 03:51
SS-VMP-5B	200-20955-14	6267_024.D	02/22/2014 05:25
SS-VMP-6A	200-20955-16	6267_026.D	02/22/2014 06:58
SS-VMP-6B	200-20955-18	6267_028.D	02/22/2014 08:32

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Lab File ID: 6282_004.d Lab Sample ID: MB 200-68730/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 02/24/2014 13:46

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-68730/3	6282_003.d	02/24/2014 12:29
SS-VMP-3E	200-20955-20	6282_010.d	02/24/2014 19:16
SS-VMP-4	200-20955-22	6282_011.d	02/24/2014 20:04
SS-VMP-5A	200-20955-24	6282_013.d	02/24/2014 21:40
SS-VMP-7	200-20955-25	6282_014.d	02/24/2014 22:28
SS-VMP-7A	200-20955-28	6282_015.d	02/24/2014 23:16
SS-DUP-021214	200-20955-30	6282_016.d	02/25/2014 00:04
SS-VMP-7B	200-20969-1	6282_020.d	02/25/2014 03:22

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Lab File ID: 6246_001.D BFB Injection Date: 02/20/2014

Instrument ID: CHG.i BFB Injection Time: 12:20

Analysis Batch No.: 68619

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.5	
75	30.0 - 66.0% of mass 95	40.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	93.6	
175	4.0 - 9.0 % of mass 174	6.7	(7.2)1
176	93.0 - 101.0% of mass 174	90.8	(97.1)1
177	5.0 - 9.0% of mass 176	5.8	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-68619/6	6246_006.D	02/20/2014	16:25
	IC 200-68619/7	6246_007.D	02/20/2014	17:12
	IC 200-68619/8	6246_008.D	02/20/2014	17:59
	IC 200-68619/9	6246_009.D	02/20/2014	18:46
	ICIS 200-68619/10	6246_010.D	02/20/2014	19:33
	IC 200-68619/11	6246_011.D	02/20/2014	20:20
	IC 200-68619/12	6246_012.D	02/20/2014	21:07
	IC 200-68619/13	6246_013.D	02/20/2014	21:54
	ICV 200-68619/16	6246_016.D	02/21/2014	00:15

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Lab File ID: 6267_001.D BFB Injection Date: 02/21/2014

Instrument ID: CHG.i BFB Injection Time: 11:00

Analysis Batch No.: 68679

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.2	
75	30.0 - 66.0% of mass 95	39.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.4	(0.4)1
174	50.0 - 120.0% of mass 95	99.3	
175	4.0 - 9.0 % of mass 174	6.9	(7.0)1
176	93.0 - 101.0% of mass 174	97.3	(98.0)1
177	5.0 - 9.0% of mass 176	6.2	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-68679/2	6267_002.D	02/21/2014	11:48
	LCS 200-68679/3	6267_003.D	02/21/2014	12:36
	MB 200-68679/4	6267_004.D	02/21/2014	13:23
SS-VMP-1B	200-20955-2	6267_016.D	02/21/2014	23:08
SS-VMP-2B	200-20955-4	6267_017.D	02/21/2014	23:55
SS-VMP-2C	200-20955-6	6267_018.D	02/22/2014	00:43
SS-VMP-3A	200-20955-8	6267_020.D	02/22/2014	02:17
SS-VMP-3B	200-20955-10	6267_021.D	02/22/2014	03:04
SS-VMP-3D	200-20955-12	6267_022.D	02/22/2014	03:51
SS-VMP-5B	200-20955-14	6267_024.D	02/22/2014	05:25
SS-VMP-6A	200-20955-16	6267_026.D	02/22/2014	06:58
SS-VMP-6B	200-20955-18	6267_028.D	02/22/2014	08:32

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Lab File ID: 6099_001.d BFB Injection Date: 02/11/2014

Instrument ID: CHW.i BFB Injection Time: 16:00

Analysis Batch No.: 68234

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.8	
75	30.0 - 66.0% of mass 95	46.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.6	(0.6)1
174	50.0 - 120.0% of mass 95	104.2	
175	4.0 - 9.0 % of mass 174	7.5	(7.2)1
176	93.0 - 101.0% of mass 174	101.9	(97.8)1
177	5.0 - 9.0% of mass 176	6.6	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-68234/4	6101_004.d	02/11/2014	19:12
	IC 200-68234/5	6101_005.d	02/11/2014	20:02
	IC 200-68234/6	6101_006.d	02/11/2014	20:50
	IC 200-68234/7	6101_007.d	02/11/2014	21:39
	ICIS 200-68234/8	6101_008.d	02/11/2014	22:30
	IC 200-68234/9	6101_009.d	02/11/2014	23:18
	IC 200-68234/10	6101_010.d	02/12/2014	00:07
	IC 200-68234/11	6101_011.d	02/12/2014	00:55
	ICV 200-68234/14	6101_014.d	02/12/2014	03:20

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Lab File ID: 6282_001.d BFB Injection Date: 02/24/2014

Instrument ID: CHW.i BFB Injection Time: 10:20

Analysis Batch No.: 68730

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.6	
75	30.0 - 66.0% of mass 95	45.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	100.9	
175	4.0 - 9.0 % of mass 174	7.3	(7.3)1
176	93.0 - 101.0% of mass 174	98.6	(97.7)1
177	5.0 - 9.0% of mass 176	6.4	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-68730/2	6282_002.d	02/24/2014	11:15
	LCS 200-68730/3	6282_003.d	02/24/2014	12:29
	MB 200-68730/4	6282_004.d	02/24/2014	13:46
SS-VMP-3E	200-20955-20	6282_010.d	02/24/2014	19:16
SS-VMP-4	200-20955-22	6282_011.d	02/24/2014	20:04
SS-VMP-5A	200-20955-24	6282_013.d	02/24/2014	21:40
SS-VMP-7	200-20955-25	6282_014.d	02/24/2014	22:28
SS-VMP-7A	200-20955-28	6282_015.d	02/24/2014	23:16
SS-DUP-021214	200-20955-30	6282_016.d	02/25/2014	00:04
SS-VMP-7B	200-20969-1	6282_020.d	02/25/2014	03:22

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Sample No.: ICIS 200-68619/10 Date Analyzed: 02/20/2014 19:33

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6246_010.D Heated Purge: (Y/N) N

Calibration ID: 25722

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		715346	10.56	4040627	12.63	4191149	18.79
UPPER LIMIT		1001484	10.89	5656878	12.96	5867609	19.12
LOWER LIMIT		429208	10.23	2424376	12.30	2514689	18.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-68619/16		732981	10.56	4217854	12.62	4337814	18.79

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Sample No.: CCVIS 200-68679/2 Date Analyzed: 02/21/2014 11:48

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6267_002.D Heated Purge: (Y/N) N

Calibration ID: 25611

LCS 200-68679/3		02/21/2014 12:36	6267_003.D	10.56	12.62	18.79
MB 200-68679/4		02/21/2014 13:23	6267_004.D	10.56	12.62	18.79
200-20955-2	SS-VMP-1B	02/21/2014 23:08	6267_016.D	10.56	12.62	18.79
200-20955-4	SS-VMP-2B	02/21/2014 23:55	6267_017.D	10.56	12.62	18.79
200-20955-6	SS-VMP-2C	02/22/2014 00:43	6267_018.D	10.56	12.62	18.79
200-20955-8	SS-VMP-3A	02/22/2014 02:17	6267_020.D	10.56	12.62	18.79
200-20955-10	SS-VMP-3B	02/22/2014 03:04	6267_021.D	10.56	12.62	18.79
200-20955-12	SS-VMP-3D	02/22/2014 03:51	6267_022.D	10.56	12.62	18.79
200-20955-14	SS-VMP-5B	02/22/2014 05:25	6267_024.D	10.56	12.62	18.79
200-20955-16	SS-VMP-6A	02/22/2014 06:58	6267_026.D	10.56	12.62	18.79
200-20955-18	SS-VMP-6B	02/22/2014 08:32	6267_028.D	10.56	12.62	18.79

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Sample No.: ICIS 200-68234/8 Date Analyzed: 02/11/2014 22:30

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6101_008.d Heated Purge: (Y/N) N

Calibration ID: 25497

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		501508	12.85	2304289	14.75	2110792	20.44
UPPER LIMIT		702111	13.18	3226005	15.08	2955109	20.77
LOWER LIMIT		300905	12.52	1382573	14.42	1266475	20.11
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-68234/14		576959	12.86	2743463	14.75	2494405	20.44

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Sample No.: CCVIS 200-68730/2 Date Analyzed: 02/24/2014 11:15

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 6282_002.d Heated Purge: (Y/N) N

Calibration ID: 25497

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		410568	12.86	1953552	14.74	1777392	20.44
UPPER LIMIT		574795	13.19	2734973	15.07	2488349	20.77
LOWER LIMIT		246341	12.53	1172131	14.41	1066435	20.11
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-68730/3		442925	12.86	2117890	14.75	1915306	20.44
MB 200-68730/4		450039	12.85	2201278	14.74	1928409	20.44
200-20955-20	SS-VMP-3E	373844	12.86	1843977	14.75	1682750	20.44
200-20955-22	SS-VMP-4	410198	12.86	1965969	14.75	1783267	20.44
200-20955-24	SS-VMP-5A	394284	12.87	1769931	14.75	1608844	20.45
200-20955-25	SS-VMP-7	369272	12.88	1774537	14.76	1610308	20.45
200-20955-28	SS-VMP-7A	378123	12.87	1732186	14.76	1525046	20.45
200-20955-30	SS-DUP-021214	312973	12.86	1478763	14.75	1387394	20.44
200-20969-1	SS-VMP-7B	401746	12.87	1895869	14.76	1594394	20.44

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-1B Lab Sample ID: 200-20955-2

Matrix: Air Lab File ID: 6267_016.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:15

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 23:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.52		0.50	0.030
75-45-6	Freon 22	86.47	0.30	J	0.50	0.048
76-14-2	Freon-114	170.92	0.092	J	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	2.2		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.10		0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.089	J	0.20	0.042
74-83-9	Bromomethane	94.94	0.090	J	0.20	0.028
75-00-3	Chloroethane	64.52	0.15	J	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	8.3		0.20	0.030
76-13-1	Freon 113	187.38	0.20	U	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.10	J	0.20	0.024
67-64-1	Acetone	58.08	19		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	410	E	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.86		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.098	J	0.20	0.029
110-54-3	Hexane	86.17	0.34		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.099	J	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	15		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.23		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.33		0.20	0.064
67-66-3	Chloroform	119.38	0.20		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	0.78	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	3.2		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.10		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.38		0.20	0.027
71-43-2	Benzene	78.11	0.39		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.082	J	0.20	0.017
142-82-5	Heptane	100.21	0.24		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-1B Lab Sample ID: 200-20955-2

Matrix: Air Lab File ID: 6267_016.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:15

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 23:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.77		0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.15	J	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	0.51	J	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.070	J	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.15	J	0.50	0.027
108-88-3	Toluene	92.14	0.80		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.074	J	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.087	J	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.88		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.12	J	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.17	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.35	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.14	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.49		0.20	0.034
100-42-5	Styrene	104.15	0.12	J	0.20	0.018
75-25-2	Bromoform	252.75	0.069	J	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.088	J	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.091	J	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.097	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.082	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.080	J	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.077	J	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.086	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.22		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.065	J	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-1B Lab Sample ID: 200-20955-2

Matrix: Air Lab File ID: 6267_016.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:15

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 23:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.069	J	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-1B Lab Sample ID: 200-20955-2

Matrix: Air Lab File ID: 6267_016.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:15

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 23:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.6		2.5	0.15
75-45-6	Freon 22	86.47	1.1	J	1.8	0.17
76-14-2	Freon-114	170.92	0.65	J	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	5.1		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.27		0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.20	J	0.44	0.093
74-83-9	Bromomethane	94.94	0.35	J	0.78	0.11
75-00-3	Chloroethane	64.52	0.40	J	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	47		1.1	0.17
76-13-1	Freon 113	187.38	1.5	U	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.41	J	0.79	0.095
67-64-1	Acetone	58.08	45		12	3.0
67-63-0	Isopropyl alcohol	60.10	1000	E	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	3.0		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.39	J	0.79	0.11
110-54-3	Hexane	86.17	1.2		0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.40	J	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	44		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.93		0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	1.3		0.79	0.25
67-66-3	Chloroform	119.38	0.98		0.98	0.12
109-99-9	Tetrahydrofuran	72.11	2.3	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	11		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.65		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	1.8		0.93	0.13
71-43-2	Benzene	78.11	1.2		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.33	J	0.81	0.069
142-82-5	Heptane	100.21	1.0		0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-1B Lab Sample ID: 200-20955-2

Matrix: Air Lab File ID: 6267_016.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:15

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 23:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	4.1		0.21	0.13
80-62-6	Methyl methacrylate	100.12	0.63	J	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	1.8	J	18	0.72
75-27-4	Bromodichloromethane	163.83	0.47	J	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.60	J	2.0	0.11
108-88-3	Toluene	92.14	3.0		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.34	J	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	0.48	J	1.1	0.093
127-18-4	Tetrachloroethene	165.83	6.0		1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.55	J	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.74	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	1.5	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.62	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	2.1		0.87	0.15
100-42-5	Styrene	104.15	0.49	J	0.85	0.077
75-25-2	Bromoform	252.75	0.71	J	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.60	J	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.45	J	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.48	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.40	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	0.41	J	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.42	J	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.42	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.3		1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	0.39	J	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-1B Lab Sample ID: 200-20955-2

Matrix: Air Lab File ID: 6267_016.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:15

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 23:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.42	J	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D
Lims ID: 200-20955-A-2 Lab Sample ID: 200-20955-2
Client ID: SS-VMP-1B
Sample Type: Client
Inject. Date: 21-Feb-2014 23:08:30 ALS Bottle#: 13 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006267-016
Misc. Info.: 20955-2
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:53:27 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: lyonsb Date: 24-Feb-2014 09:54:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	99	111442	0.5204	
6 Chlorodifluoromethane	51	3.181	3.181	0.001	62	24133	0.2993	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	43	16925	0.0923	
8 Chloromethane	50		3.539					
9 Butane	43	3.758	3.758	0.0	96	115561	2.16	
10 Vinyl chloride	62	3.801	3.796	0.005	59	5808	0.1043	
11 Butadiene	54	3.876	3.876	0.0	79	2888	0.0889	
12 Bromomethane	94	4.577	4.577	0.0	89	7130	0.0899	
14 Chloroethane	64	4.834	4.828	0.006	39	3387	0.1531	
16 Vinyl bromide	106		5.229					
17 Trichlorofluoromethane	101	5.353	5.347	0.006	98	2035882	8.32	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.476					
24 1,1-Dichloroethene	96	6.492	6.497	-0.005	72	6778	0.1043	
25 Acetone	43	6.717	6.717	0.0	87	1124841	18.8	
26 Carbon disulfide	76		6.883					
27 Isopropyl alcohol	45	7.102	7.038	0.064	98	19854986	410.3	E
29 3-Chloro-1-propene	41		7.300					
31 Methylene Chloride	49	7.594	7.599	-0.005	80	41266	0.8552	
32 2-Methyl-2-propanol	59		7.835					
33 Methyl tert-butyl ether	73		8.038					
34 trans-1,2-Dichloroethene	61	8.059	8.059	0.0	62	6939	0.0978	
36 Hexane	57	8.487	8.493	-0.006	84	19445	0.3395	
37 1,1-Dichloroethane	63	8.953	8.947	0.006	73	9959	0.0991	
39 cis-1,2-Dichloroethene	96	10.087	10.087	0.0	65	20563	0.2336	
40 2-Butanone (MEK)	72	10.135	10.135	0.0	98	442613	14.9	
S 41 1,2-Dichloroethene, Total	61				0		0.3314	
* 43 Chlorobromomethane	128	10.558	10.563	-0.005	68	682601	10.0	
44 Tetrahydrofuran	42	10.585	10.579	0.006	78	35877	0.7780	
45 Chloroform	83	10.708	10.702	0.006	97	39179	0.2008	
46 Cyclohexane	84	10.991	10.991	0.0	81	311543	3.22	
47 1,1,1-Trichloroethane	97		11.002					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	48 Carbon tetrachloride	117	11.269	11.269	0.0	96	30154	0.1033	
	50 Benzene	78	11.735	11.740	-0.005	93	100500	0.3885	
	51 Isooctane	57	11.756	11.761	-0.005	98	118130	0.3826	
	52 1,2-Dichloroethane	62	11.911	11.911	0.0	73	10592	0.0820	
	53 n-Heptane	43	12.168	12.168	0.0	83	27902	0.2432	M
*	54 1,4-Difluorobenzene	114	12.623	12.623	0.0	91	3877285	10.0	
	56 Trichloroethene	95	13.110	13.110	0.0	93	141349	0.7706	
	58 1,2-Dichloropropane	63		13.682					
	59 Methyl methacrylate	69	13.885	13.880	0.005	81	16095	0.1528	
	60 1,4-Dioxane	88	13.923	13.917	0.006	73	29023	0.5093	
	62 Dichlorobromomethane	83	14.249	14.249	0.0	91	21043	0.0696	
	64 cis-1,3-Dichloropropene	75		15.228					
	65 4-Methyl-2-pentanone (MIBK)	43	15.538	15.528	0.010	87	27948	0.1475	
	66 Toluene	92	15.854	15.849	0.005	93	223646	0.8036	
	70 trans-1,3-Dichloropropene	75	16.437	16.437	0.0	63	15604	0.0744	7
	71 1,1,2-Trichloroethane	83	16.812	16.812	0.0	88	12172	0.0873	
	72 Tetrachloroethene	166	16.961	16.961	0.0	97	263177	0.8799	
	73 2-Hexanone	43	17.288	17.282	0.006	87	19545	0.1173	7
	74 Chlorodibromomethane	129		17.587					
	75 Ethylene Dibromide	107		17.860					
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	81	3798691	10.0	
	77 Chlorobenzene	112	18.844	18.844	0.0	44	48610	0.1204	
	78 Ethylbenzene	91	19.016	19.016	0.0	96	98342	0.1701	
	80 m-Xylene & p-Xylene	106	19.267	19.272	-0.005	99	82279	0.3482	
S	82 Xylenes, Total	106				0		0.4913	7
	83 o-Xylene	106	20.102	20.102	0.0	89	35308	0.1431	
	84 Styrene	104	20.150	20.144	0.006	79	37843	0.1152	
	85 Bromoform	173	20.530	20.530	0.0	94	23528	0.0692	
$	87 4-Bromofluorobenzene	95	21.107	21.107	0.0	98	1926572	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.359	21.364	-0.005	93	29563	0.0881	
	90 N-Propylbenzene	91	21.466	21.471	-0.005	98	63597	0.0907	
	92 2-Chlorotoluene	91	21.653	21.653	0.0	89	37814	0.0798	
	91 4-Ethyltoluene	105	21.648	21.653	-0.005	88	55123	0.0966	
	94 1,3,5-Trimethylbenzene	105	21.755	21.760	-0.005	84	45956	0.0815	
	96 tert-Butylbenzene	119	22.242	22.242	0.0	86	44168	0.0771	
	97 1,2,4-Trimethylbenzene	105	22.327	22.332	-0.005	94	46728	0.0856	
	98 sec-Butylbenzene	105		22.562					
	99 4-Isopropyltoluene	119		22.760					
	100 1,3-Dichlorobenzene	146	22.777	22.776	0.001	95	76061	0.2244	
	101 1,4-Dichlorobenzene	146	22.910	22.910	0.0	92	21288	0.0647	
	102 Benzyl chloride	91		23.103					
	103 n-Butylbenzene	91		23.338					
	105 1,2-Dichlorobenzene	146	23.451	23.451	0.0	94	24788	0.0693	
	107 1,2,4-Trichlorobenzene	180		26.013					
	108 Hexachlorobutadiene	225		26.227					
	109 Naphthalene	128		26.505					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

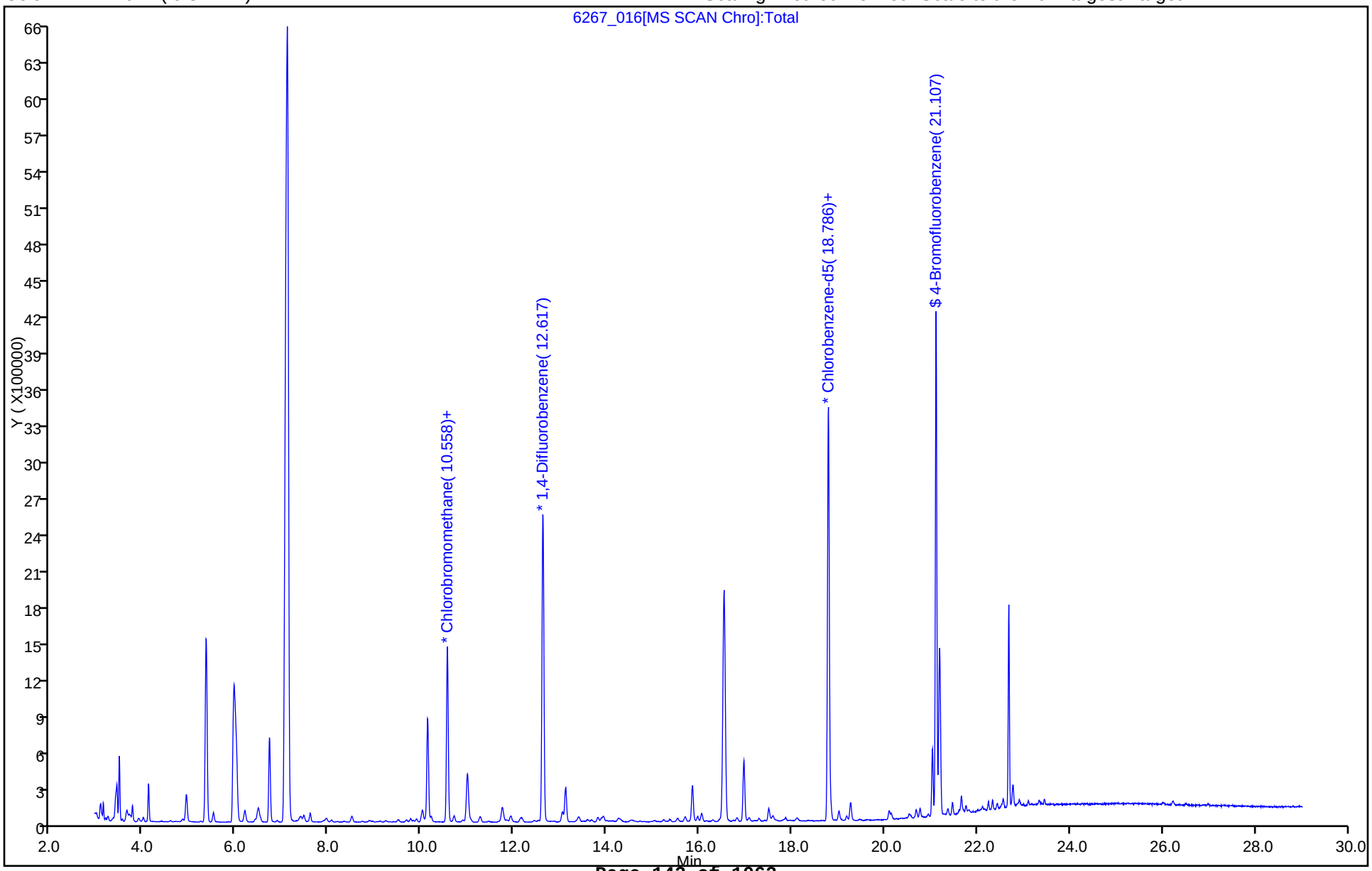
Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2	Worklist Smp#:	16
Client ID:	SS-VMP-1B				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



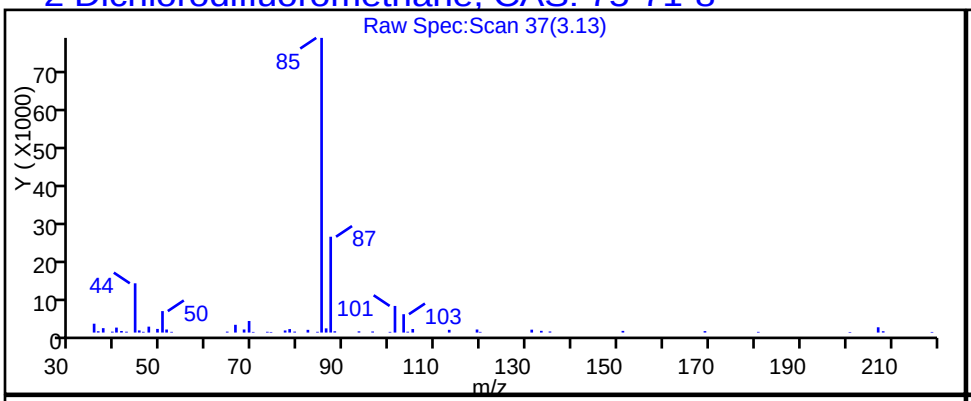
Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

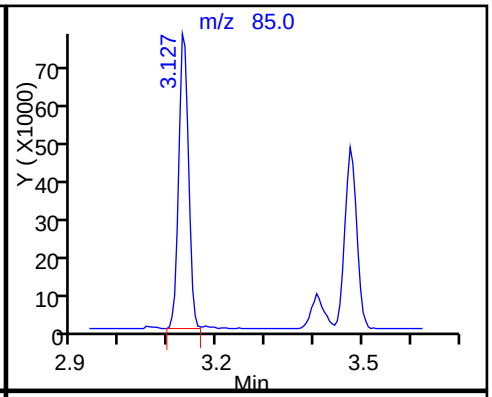
TestAmerica Burlington

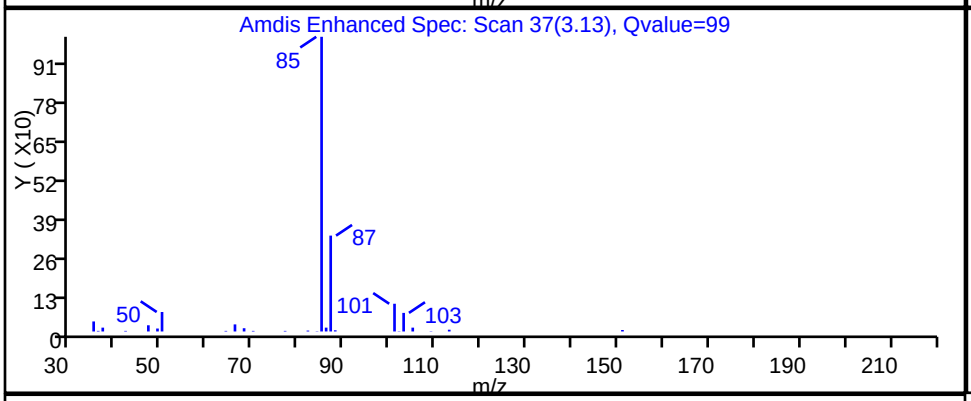
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

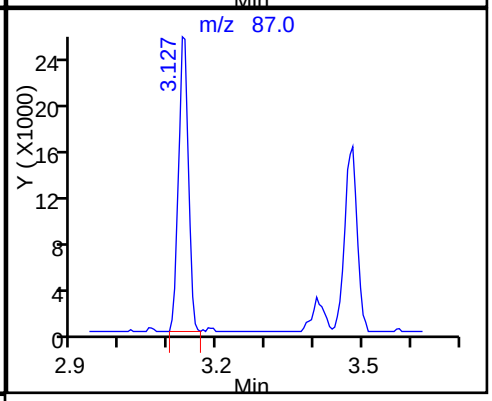
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

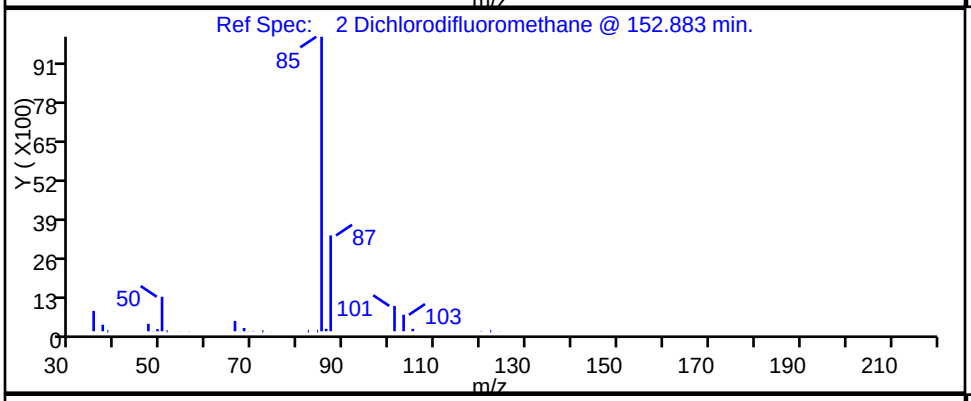
2 Dichlorodifluoromethane, CAS: 75-71-8

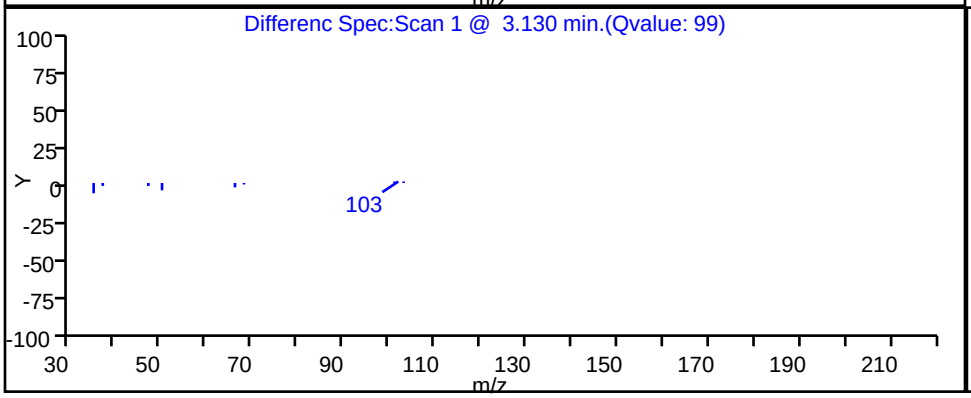


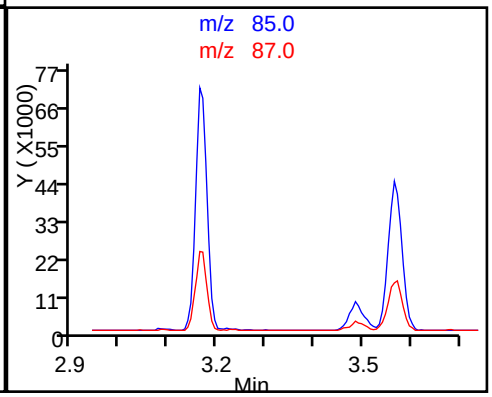












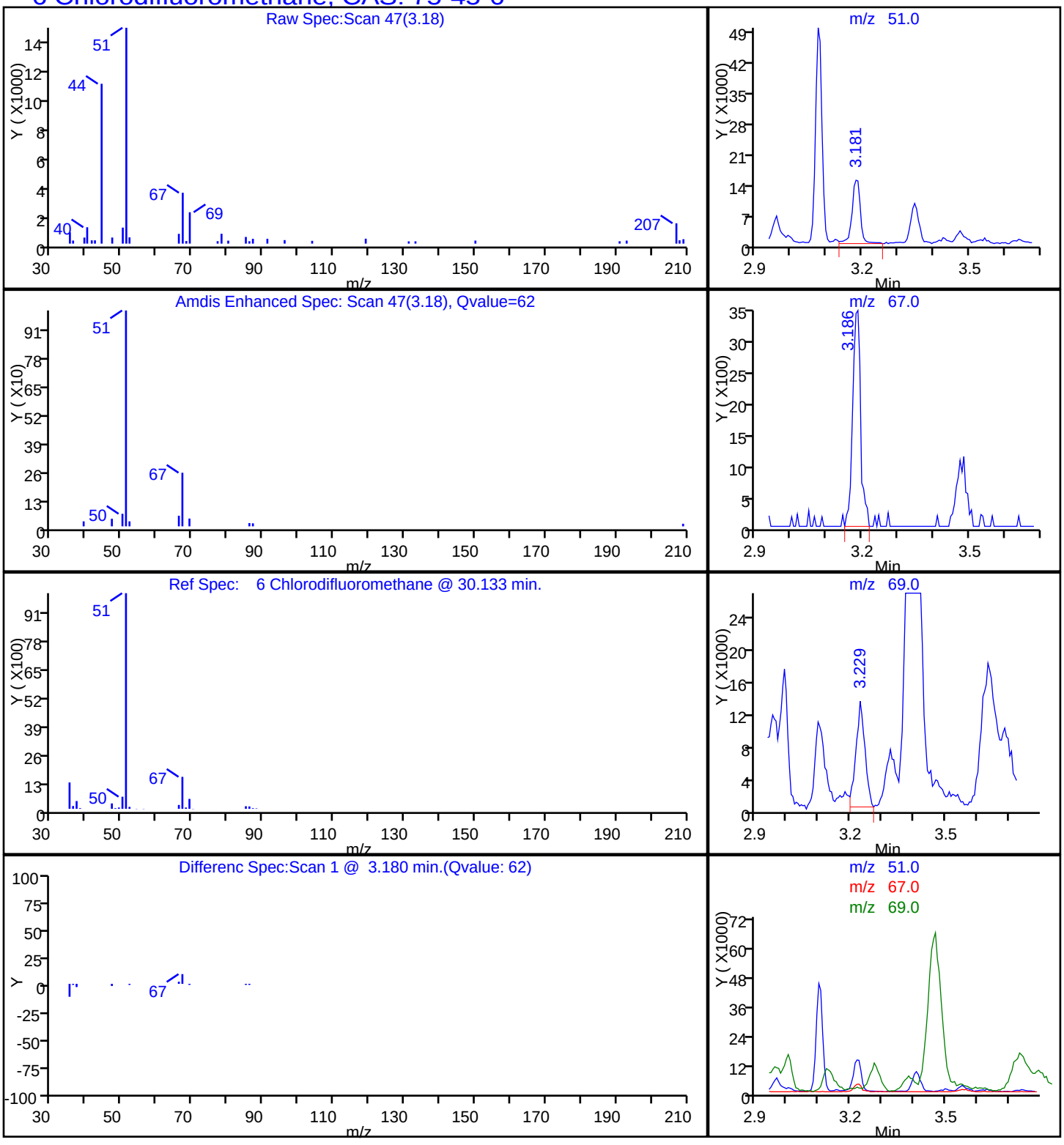
Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



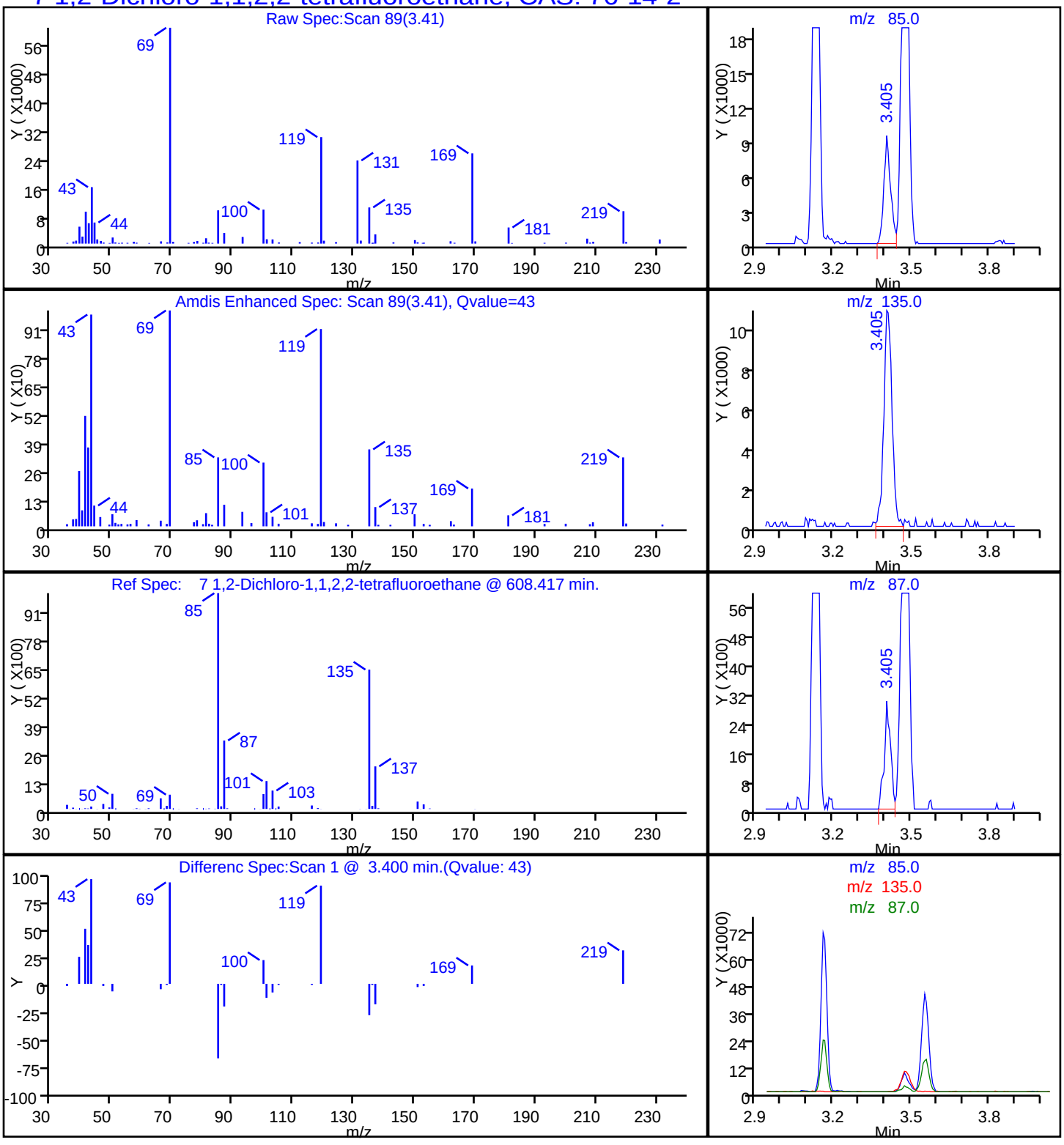
Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2



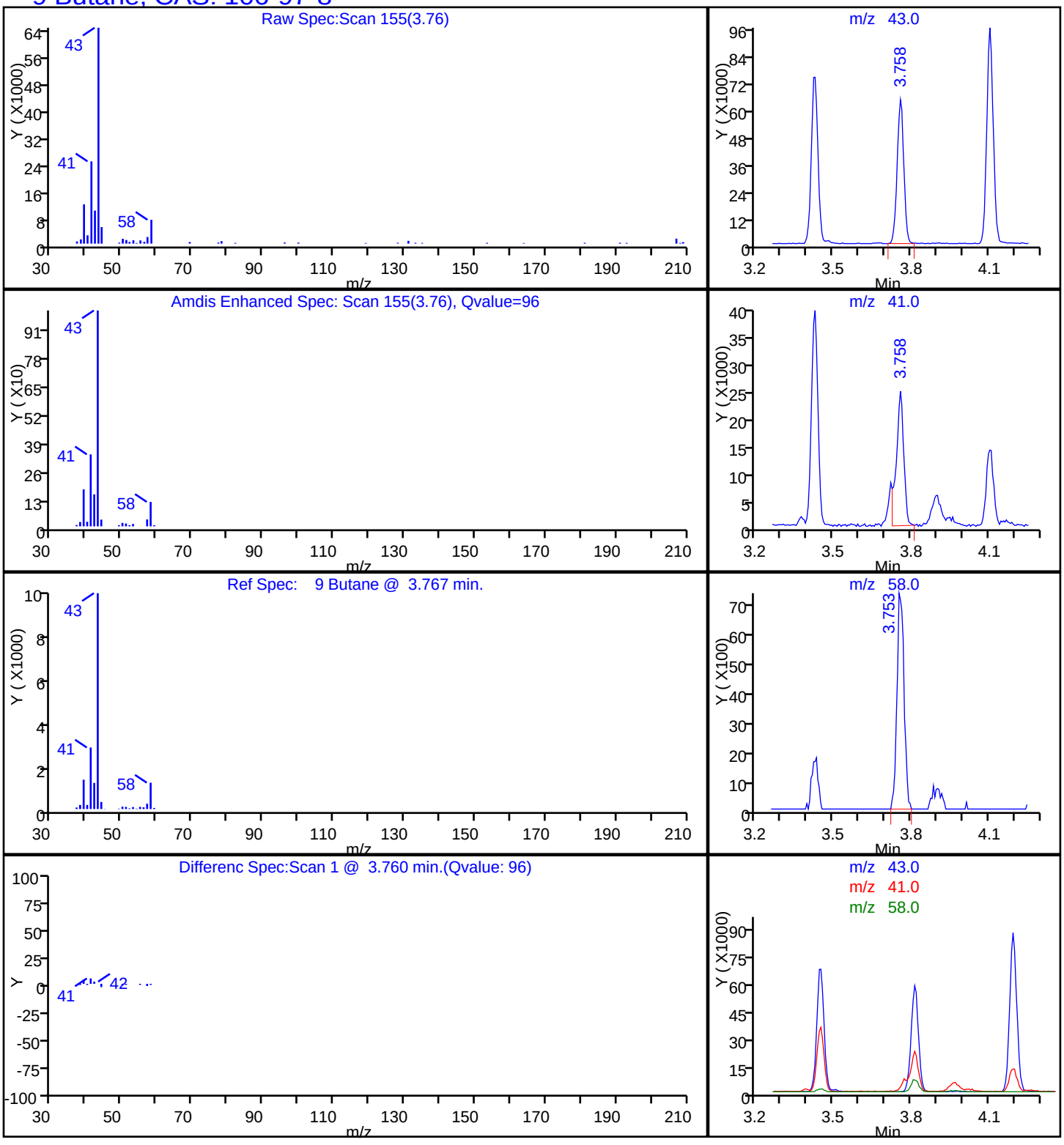
Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



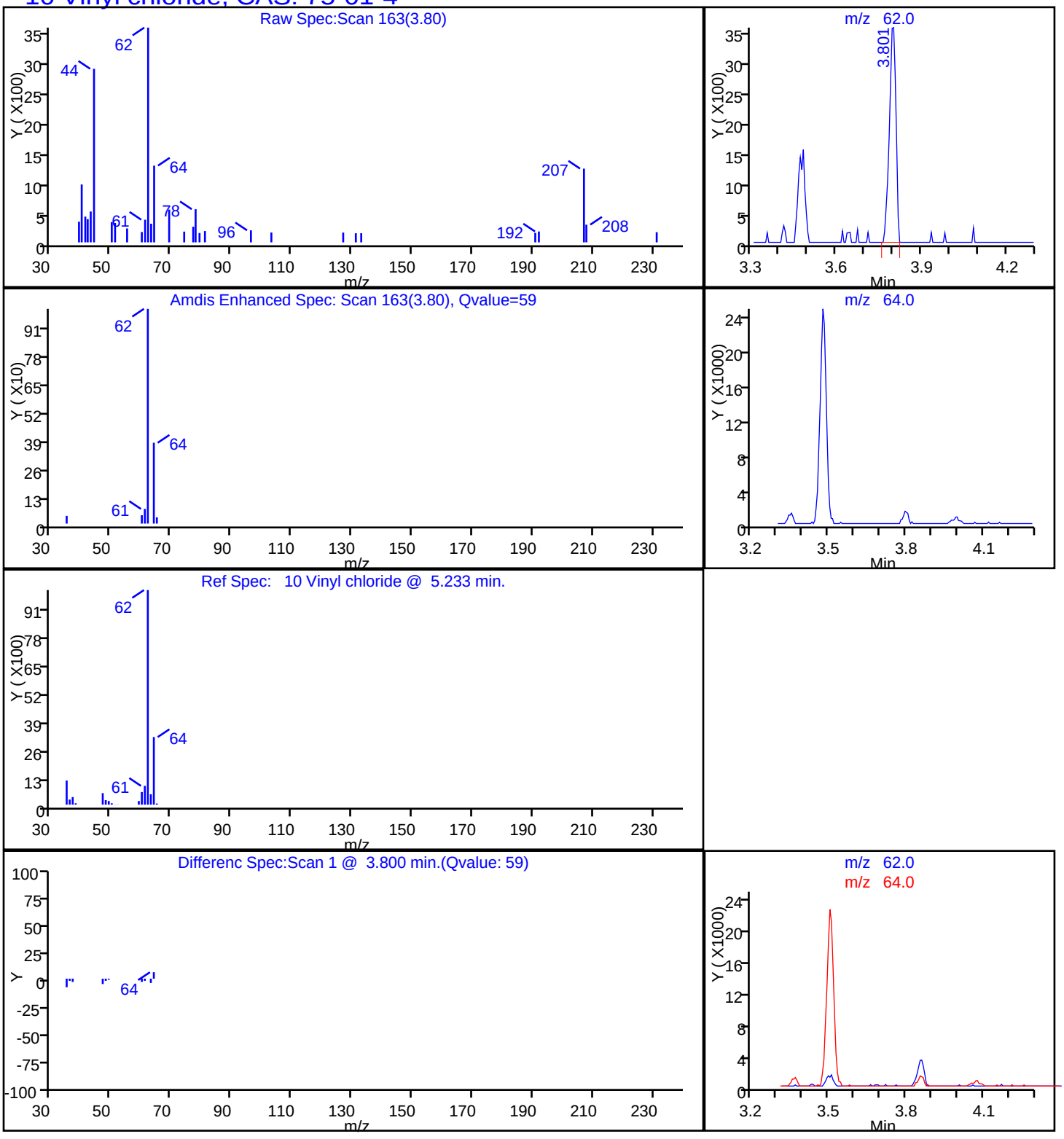
Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

10 Vinyl chloride, CAS: 75-01-4



Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

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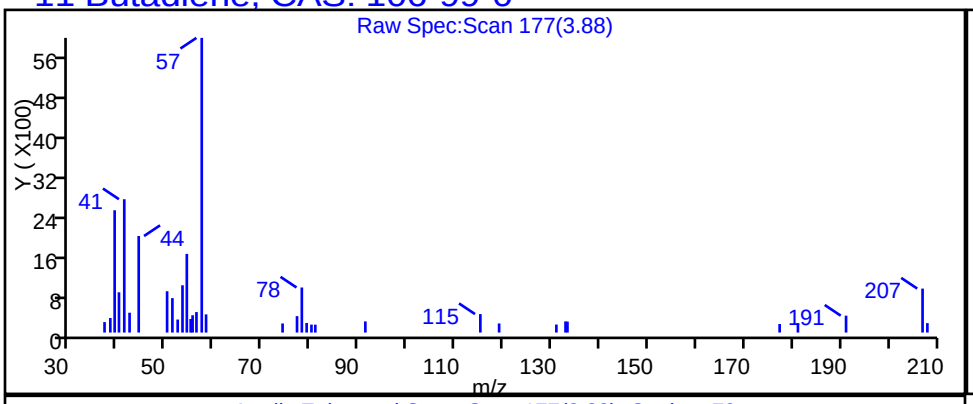
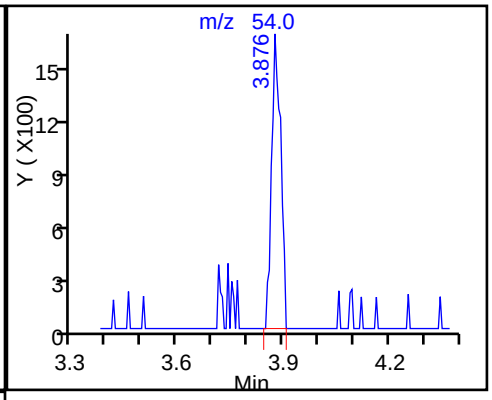
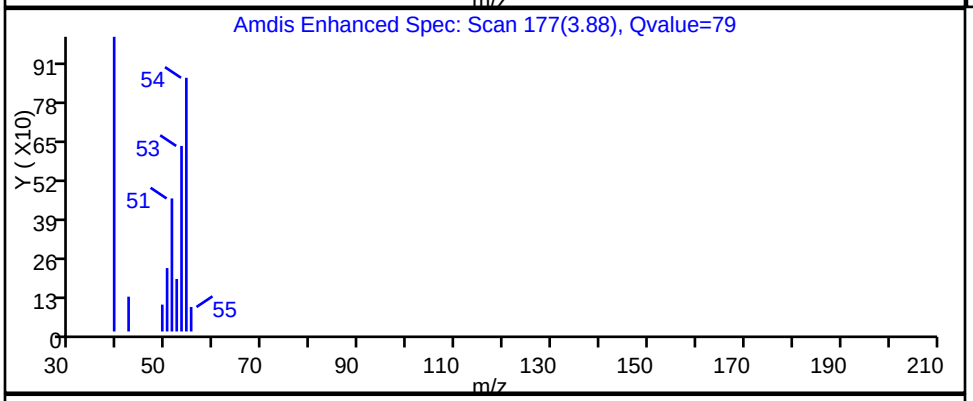
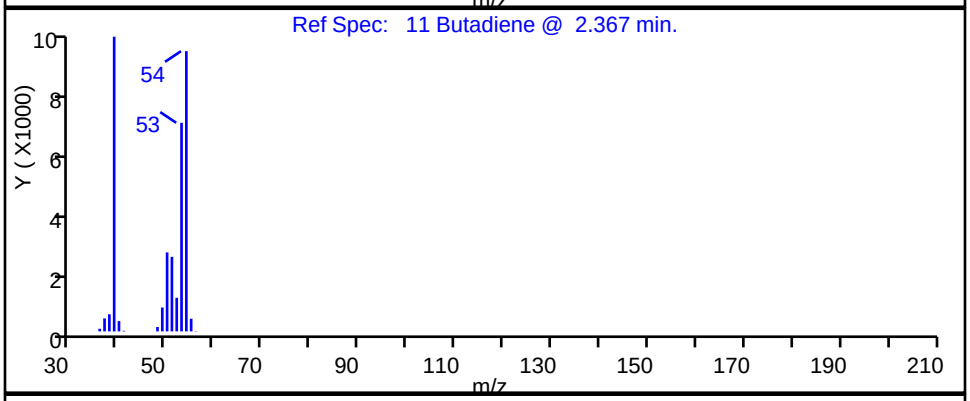
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

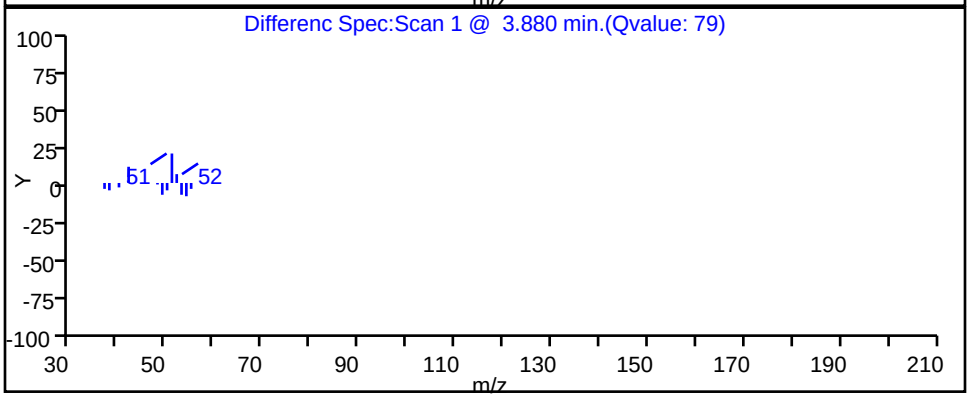
11 Butadiene, CAS: 106-99-0











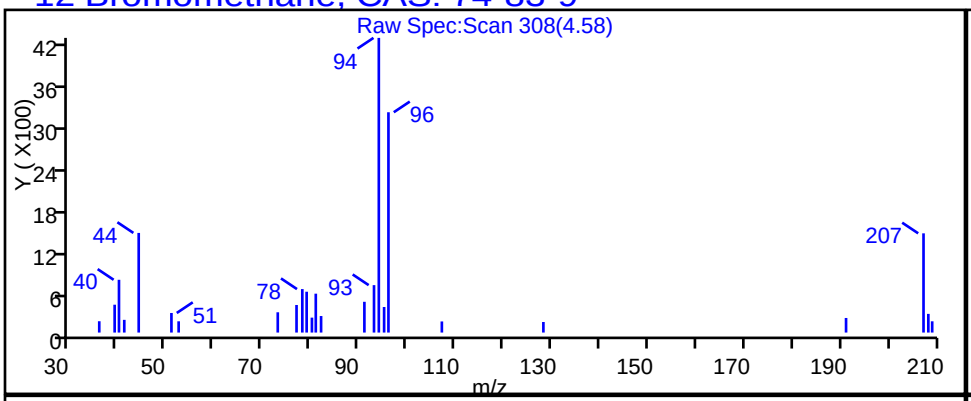
Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

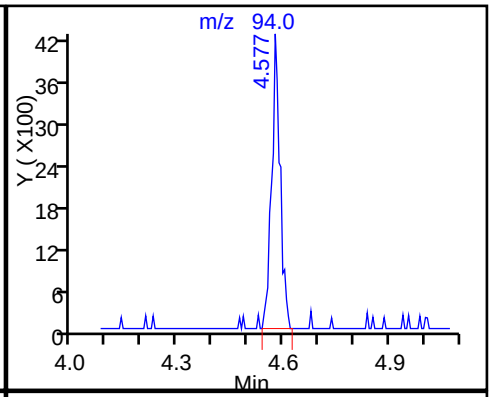
TestAmerica Burlington

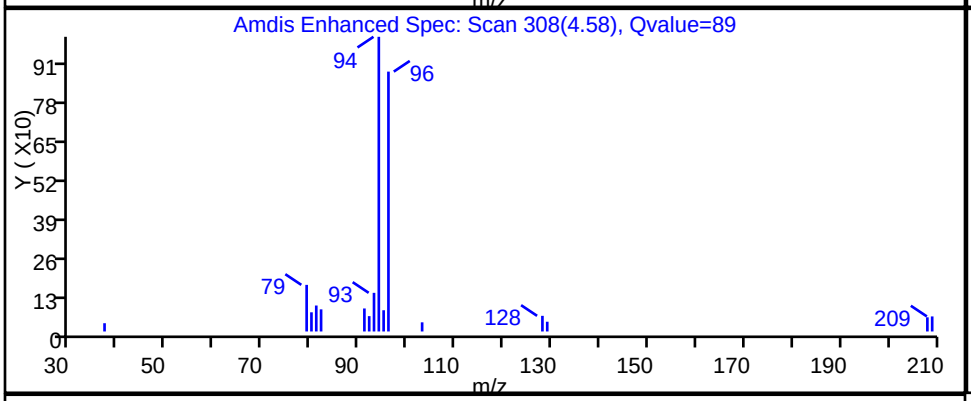
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

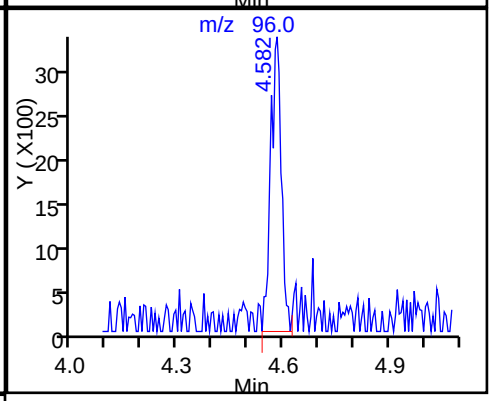
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

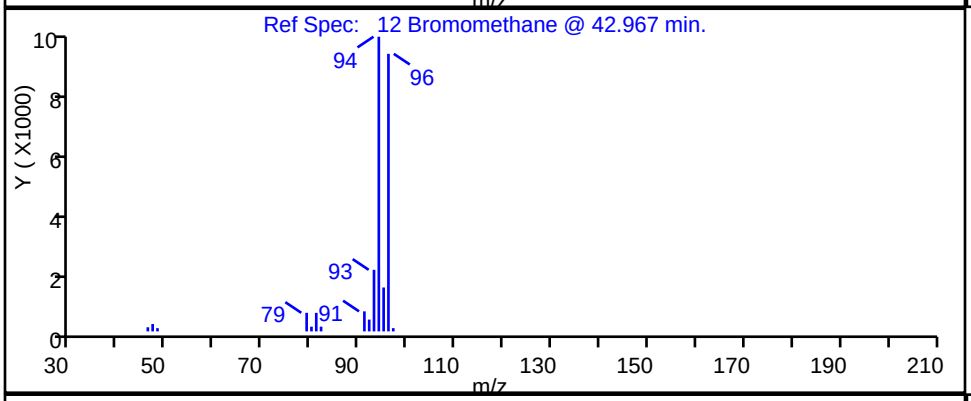
12 Bromomethane, CAS: 74-83-9

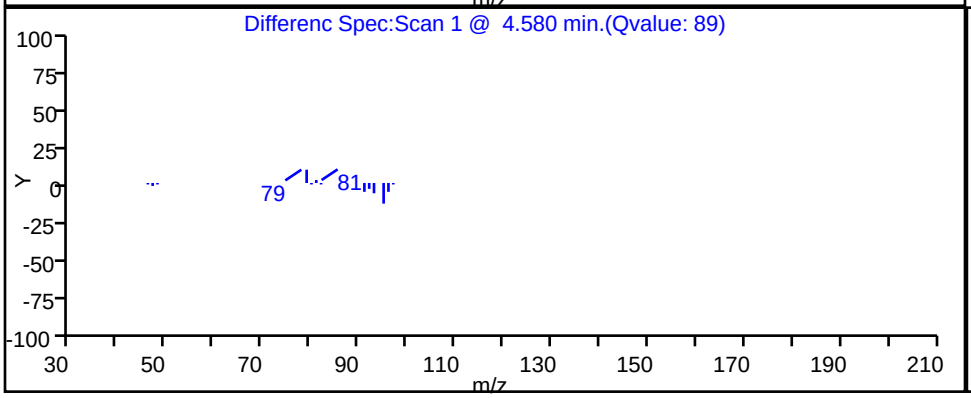


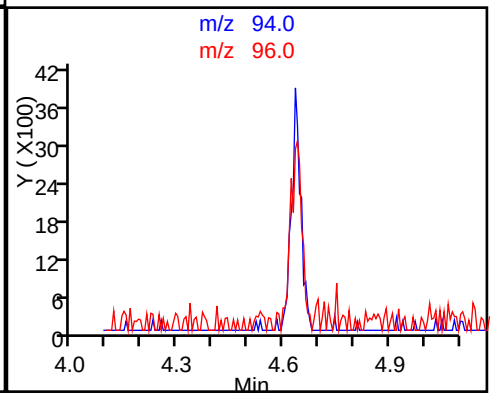












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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
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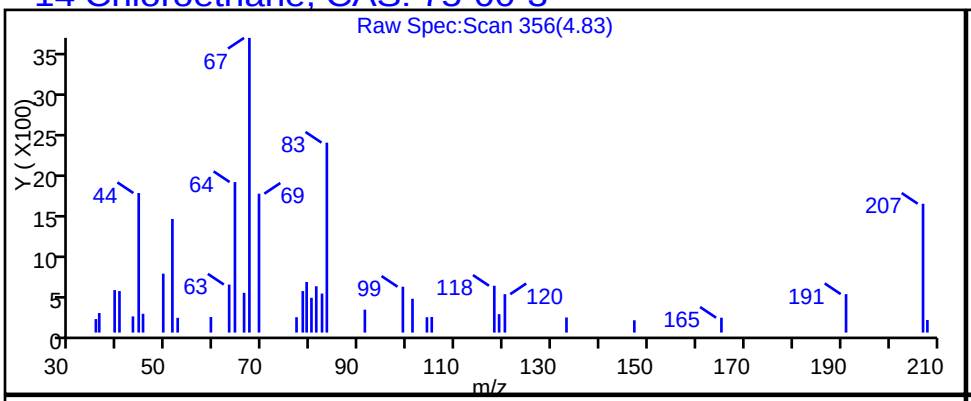
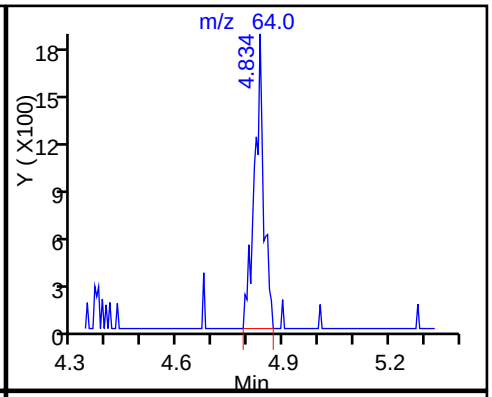
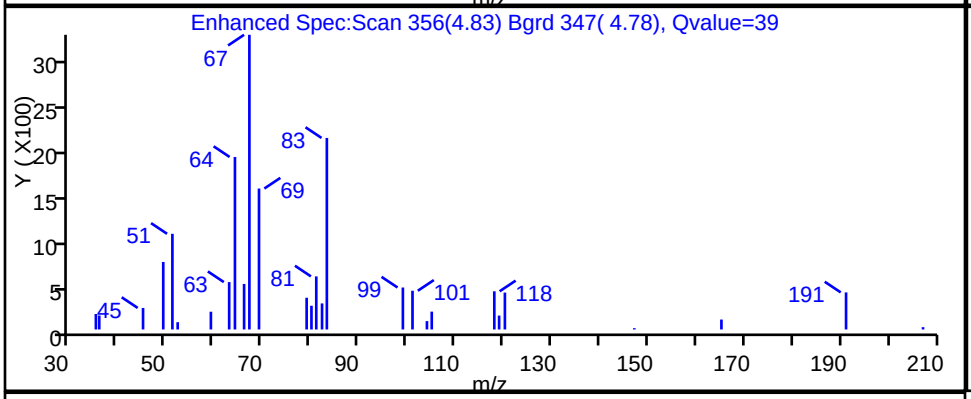
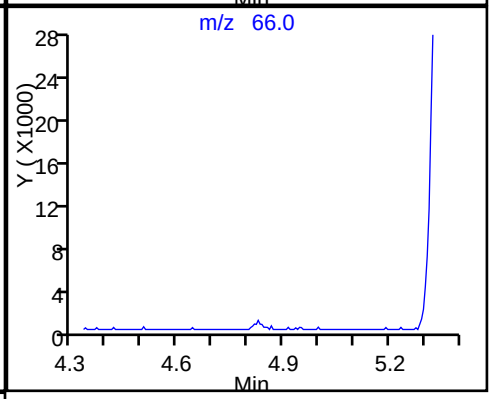
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

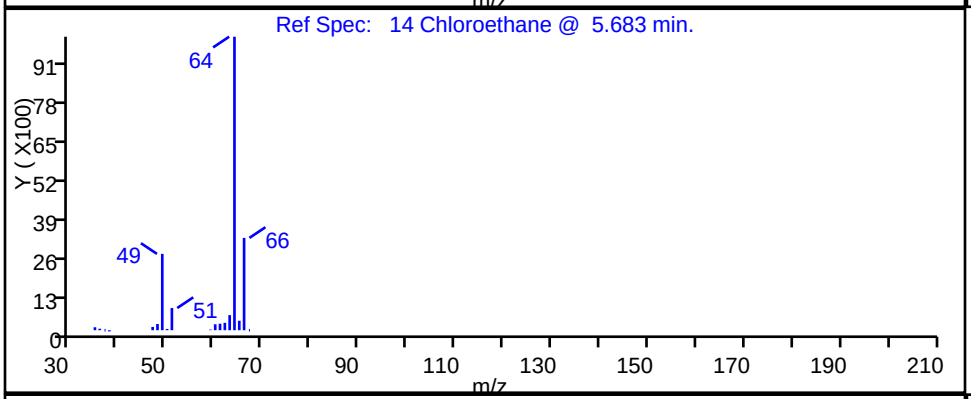
14 Chloroethane, CAS: 75-00-3

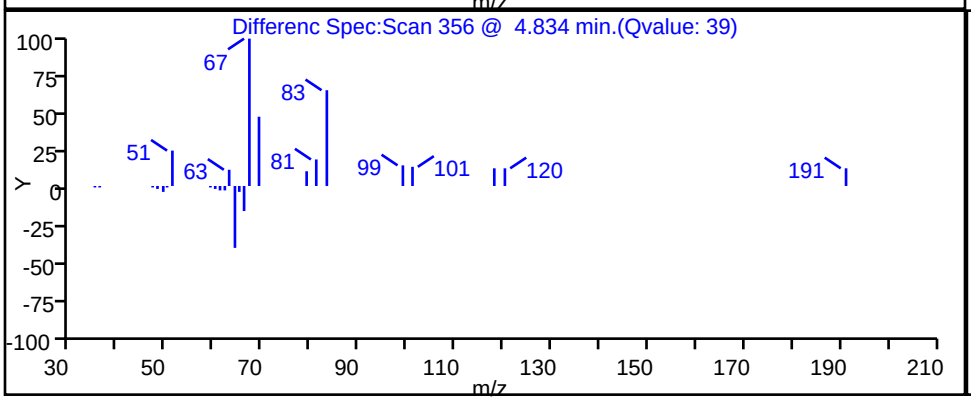


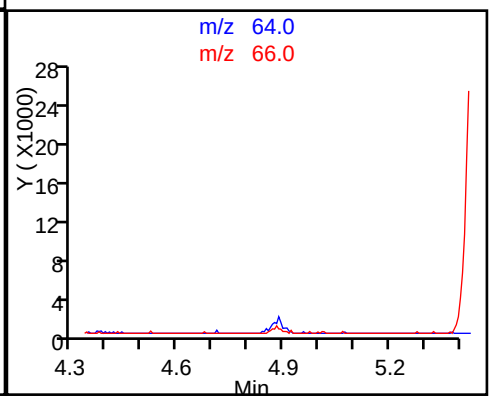












Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

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Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
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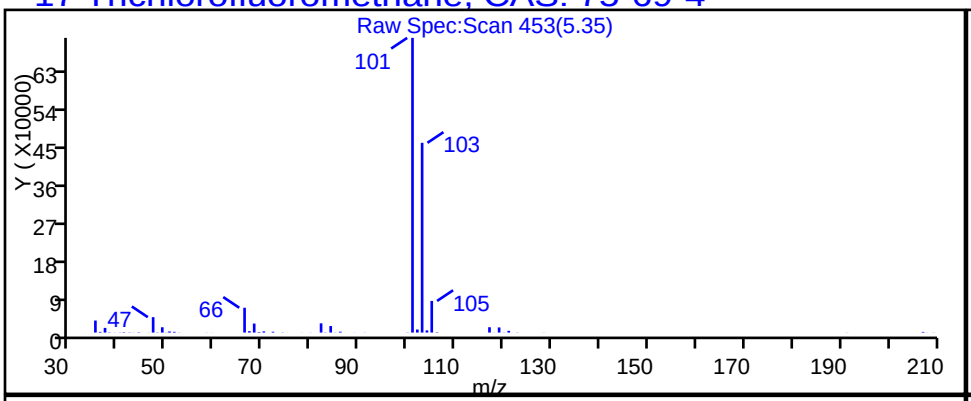
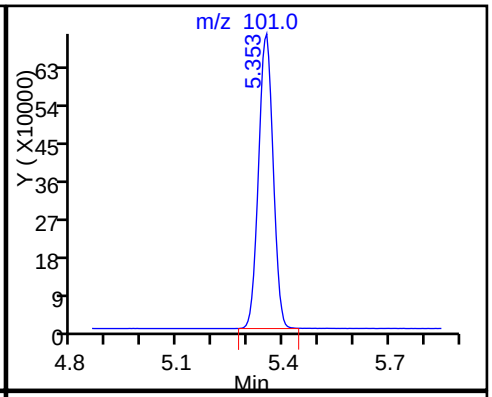
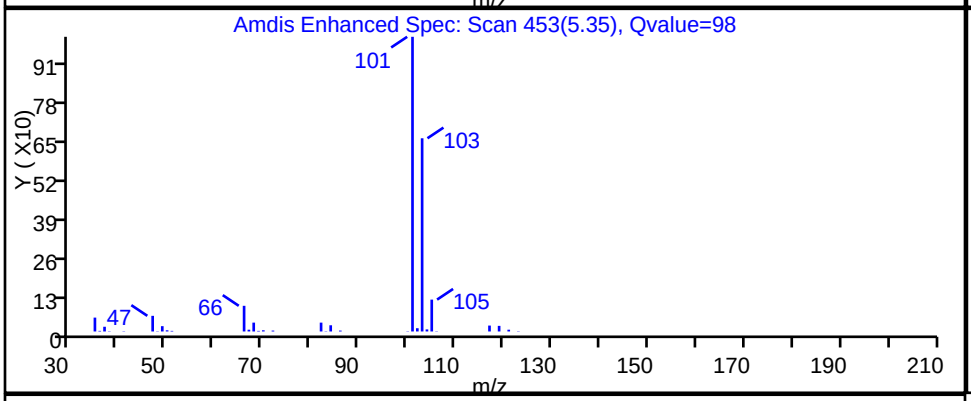
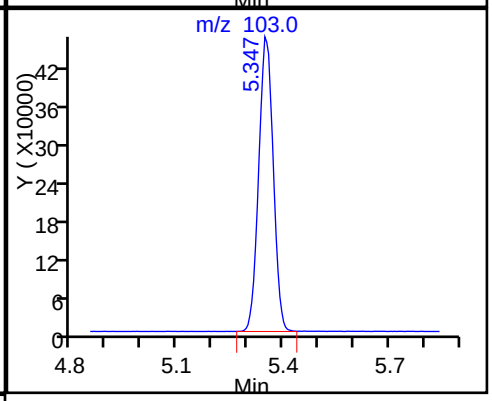
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

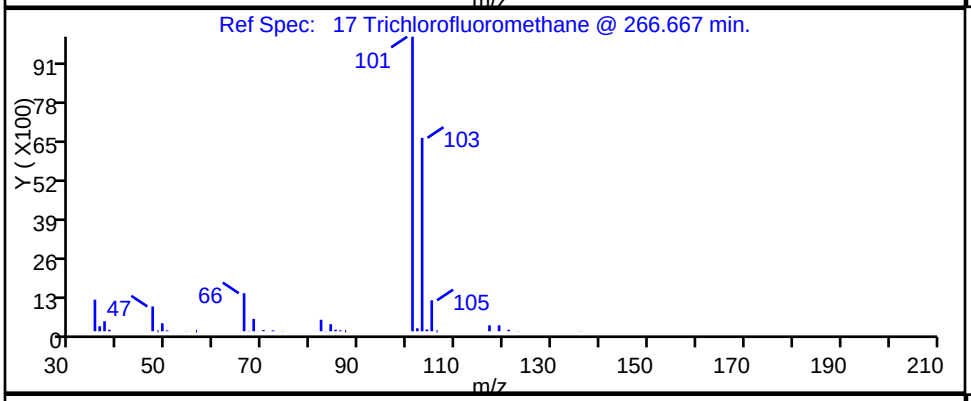
17 Trichlorofluoromethane, CAS: 75-69-4

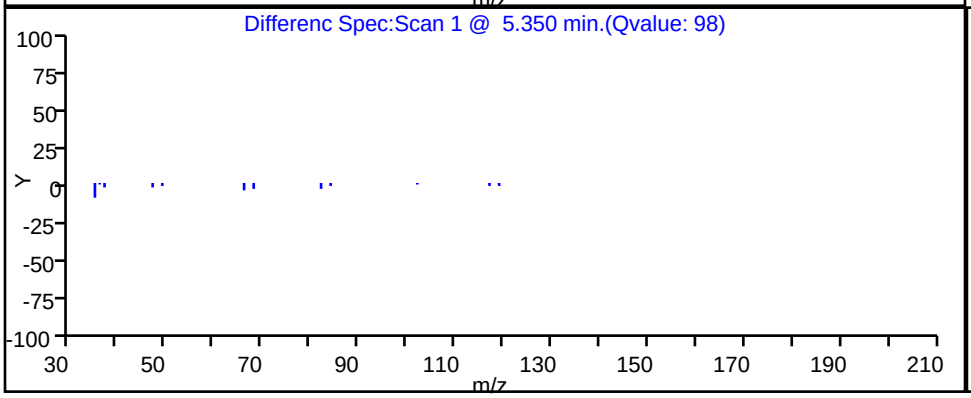


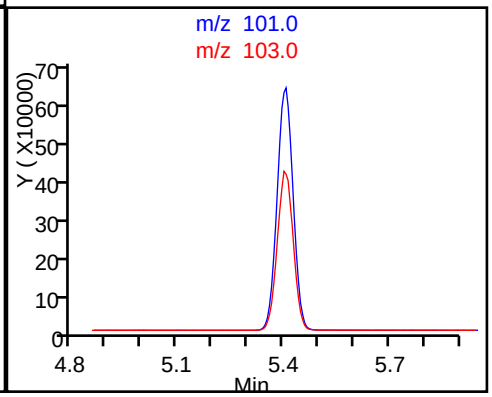










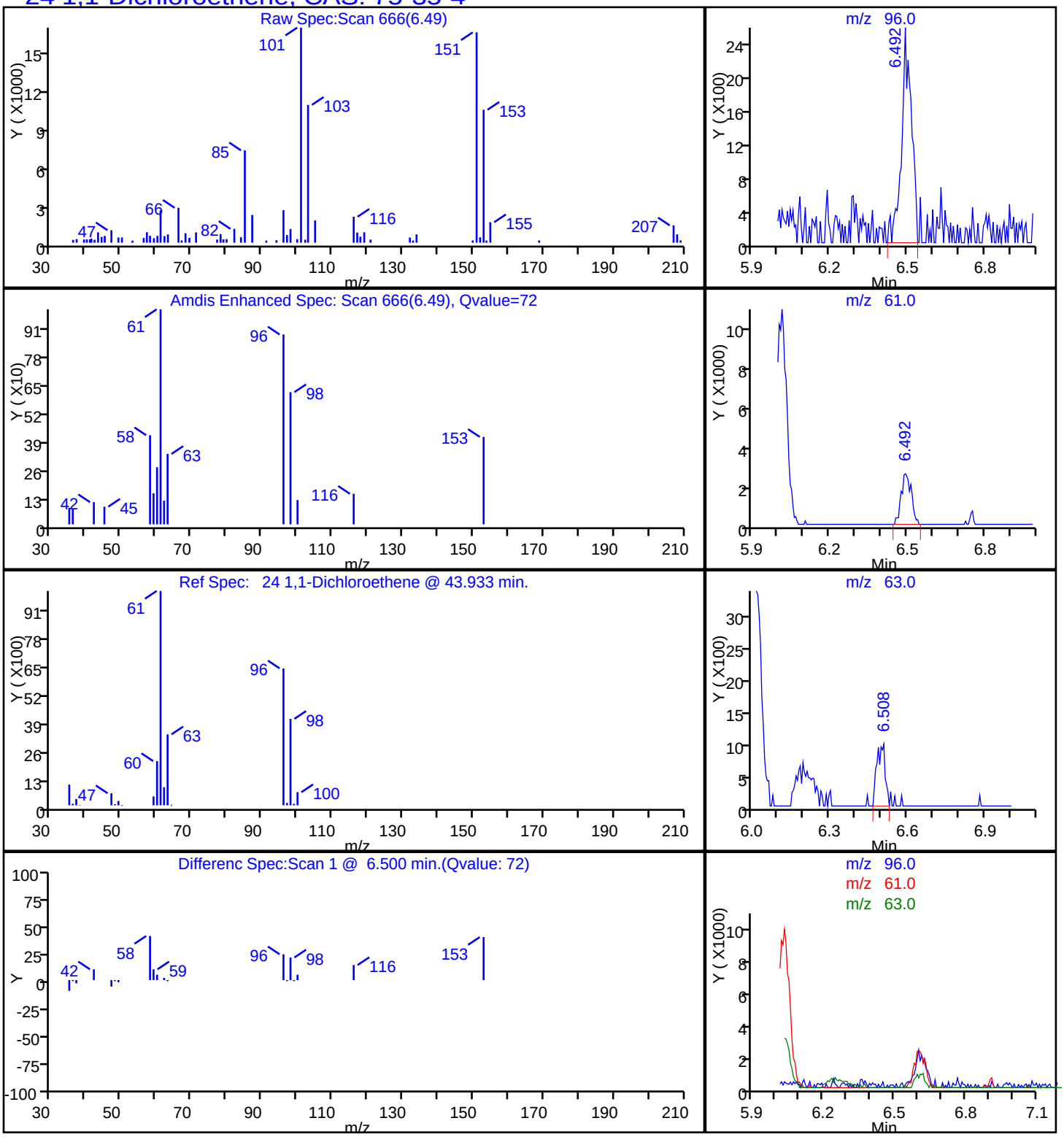


Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D				
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 1,1-Dichloroethene, CAS: 75-35-4



Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

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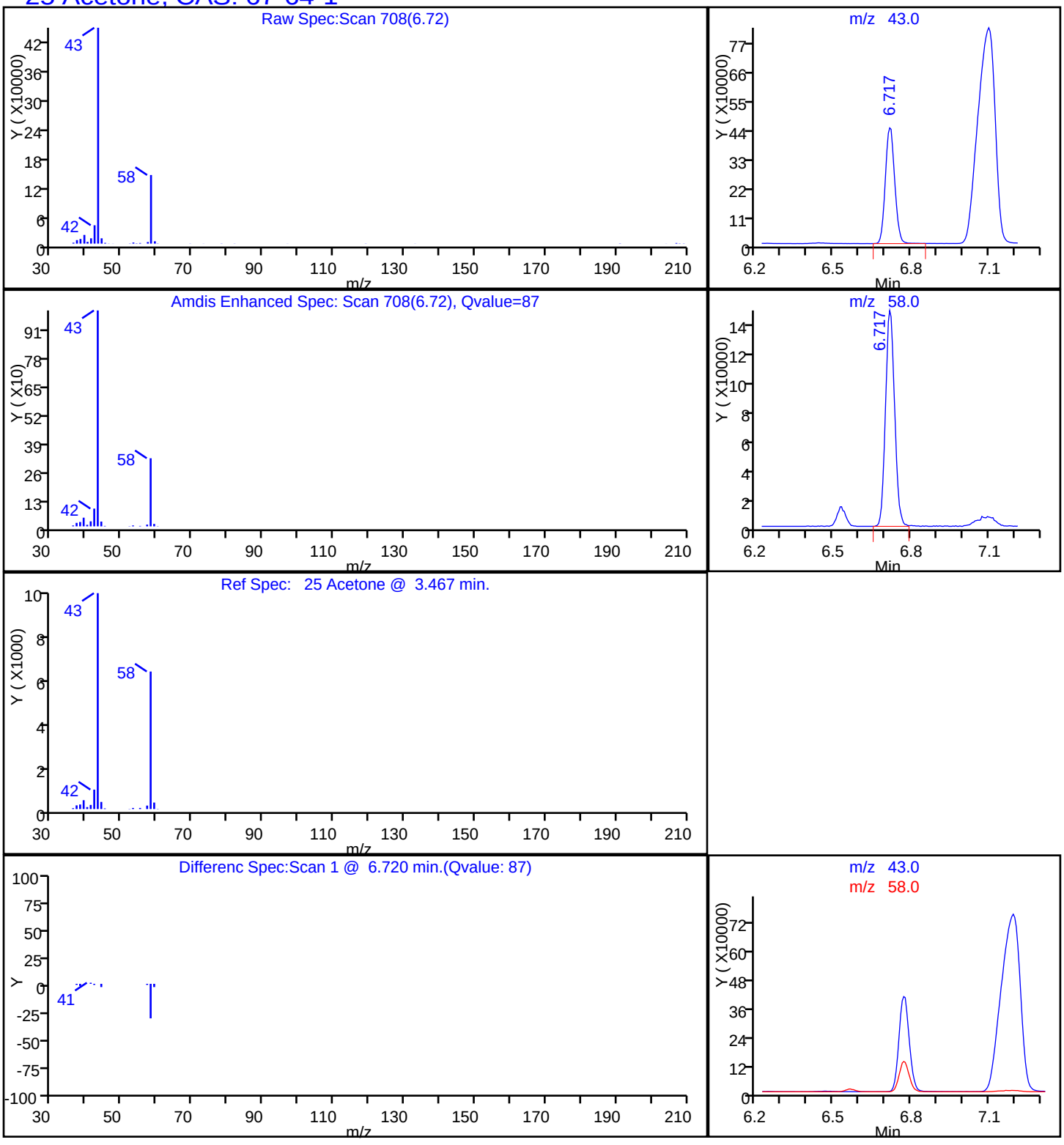
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



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TestAmerica Burlington

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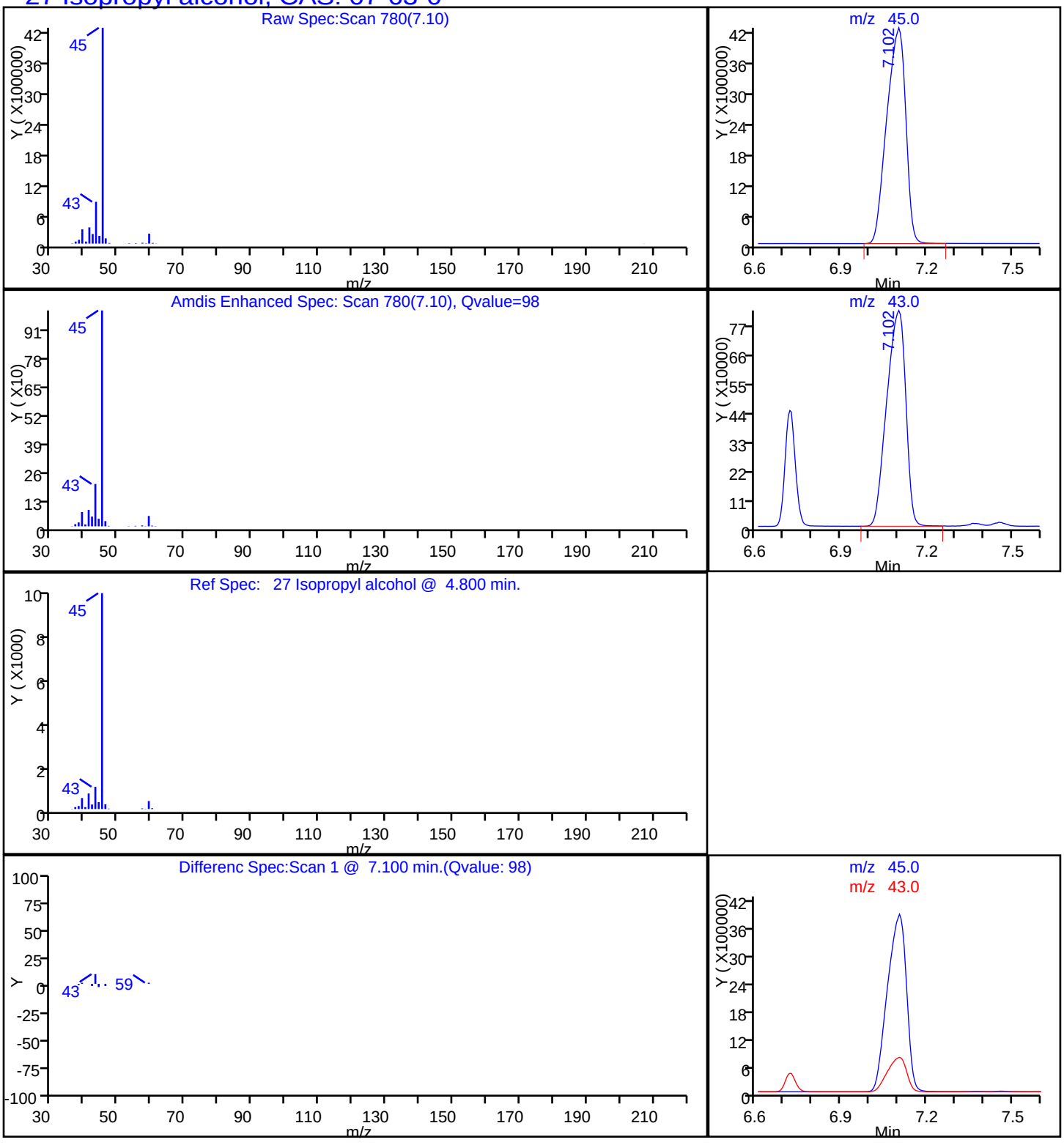
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



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TestAmerica Burlington

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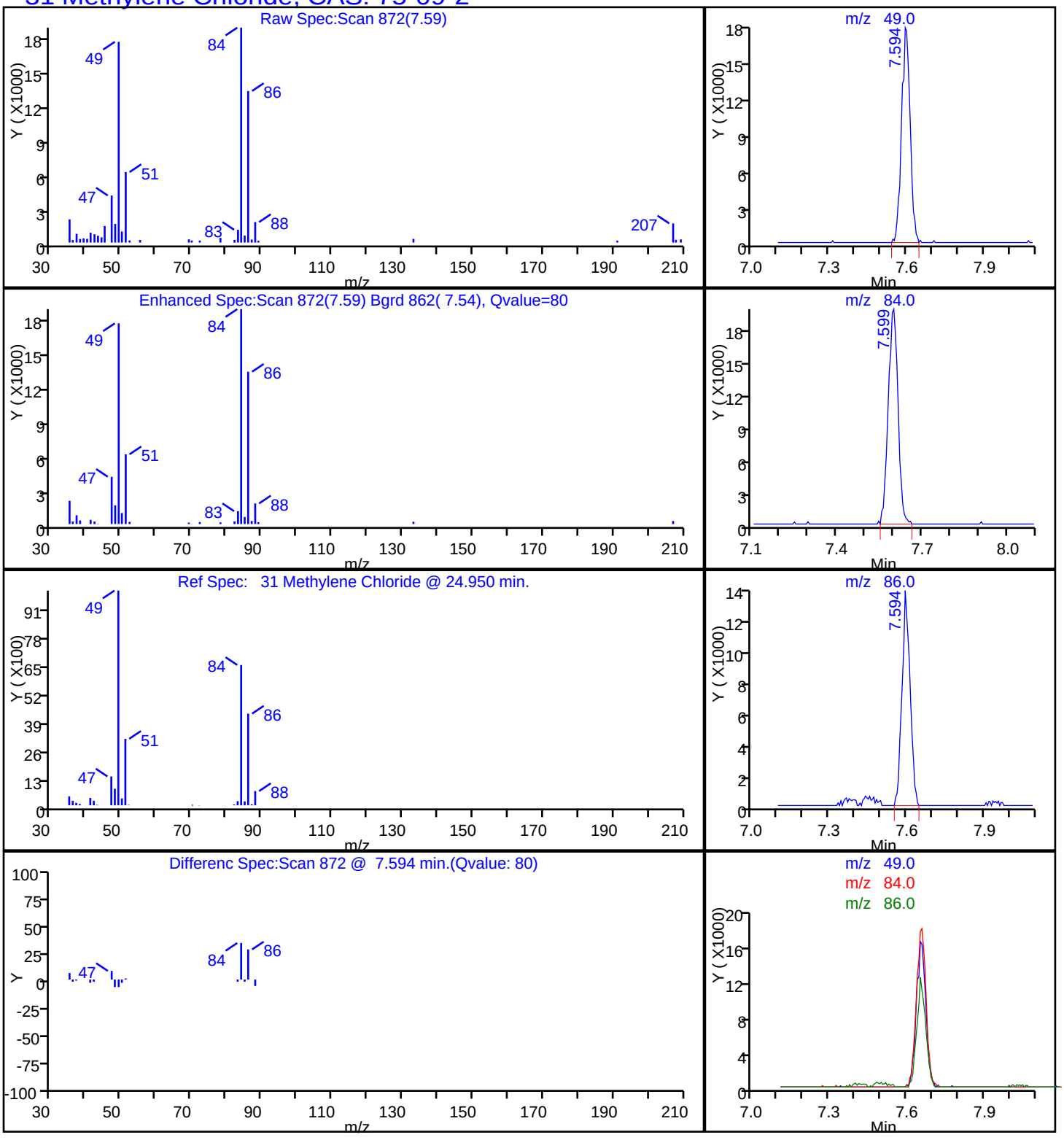
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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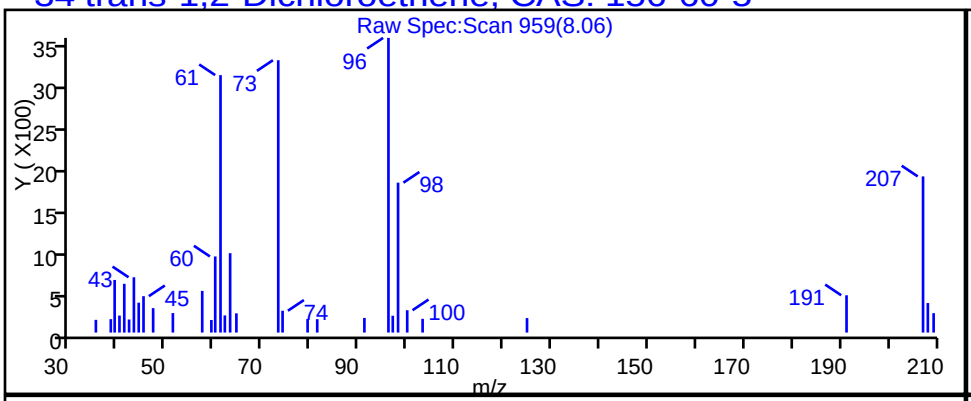
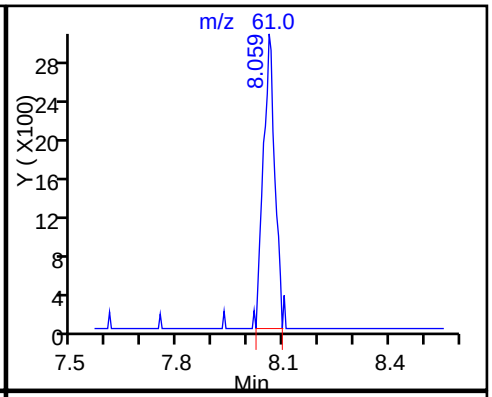
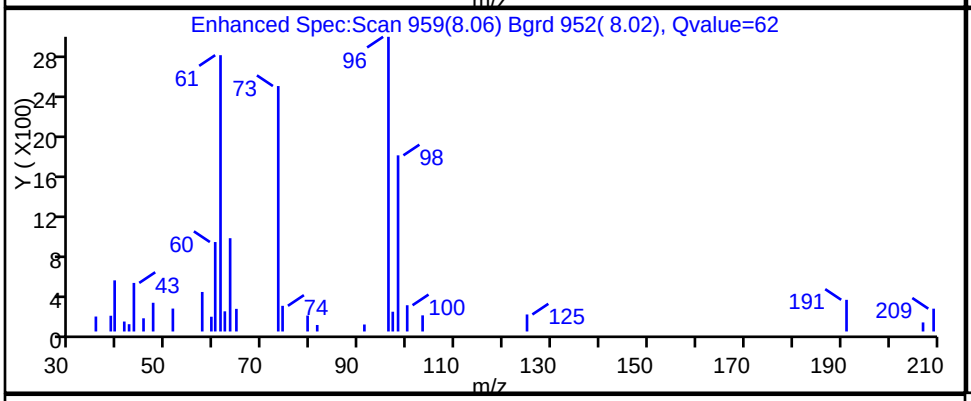
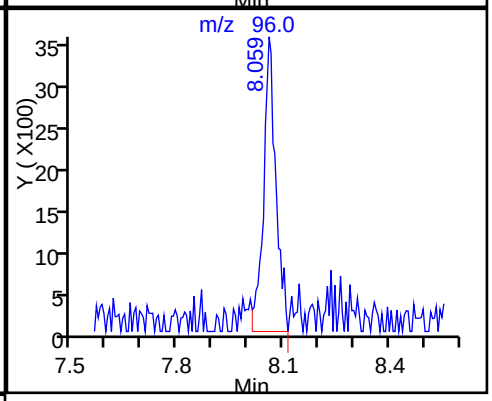
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

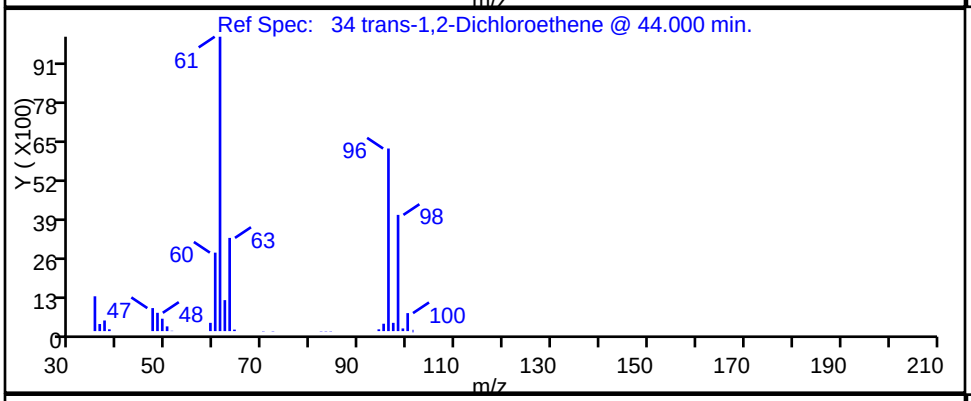
34 trans-1,2-Dichloroethene, CAS: 156-60-5

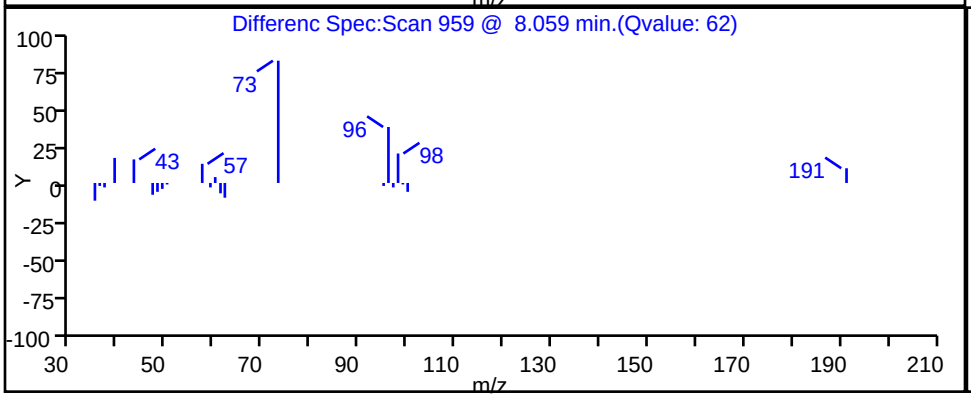


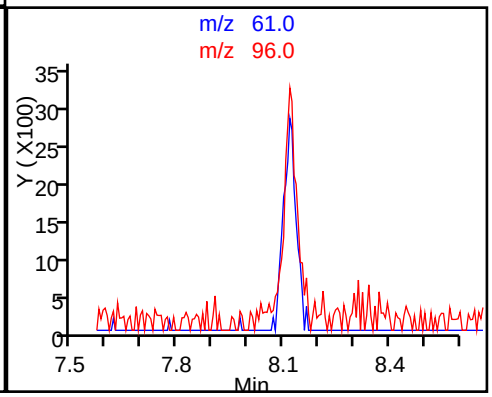












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TestAmerica Burlington

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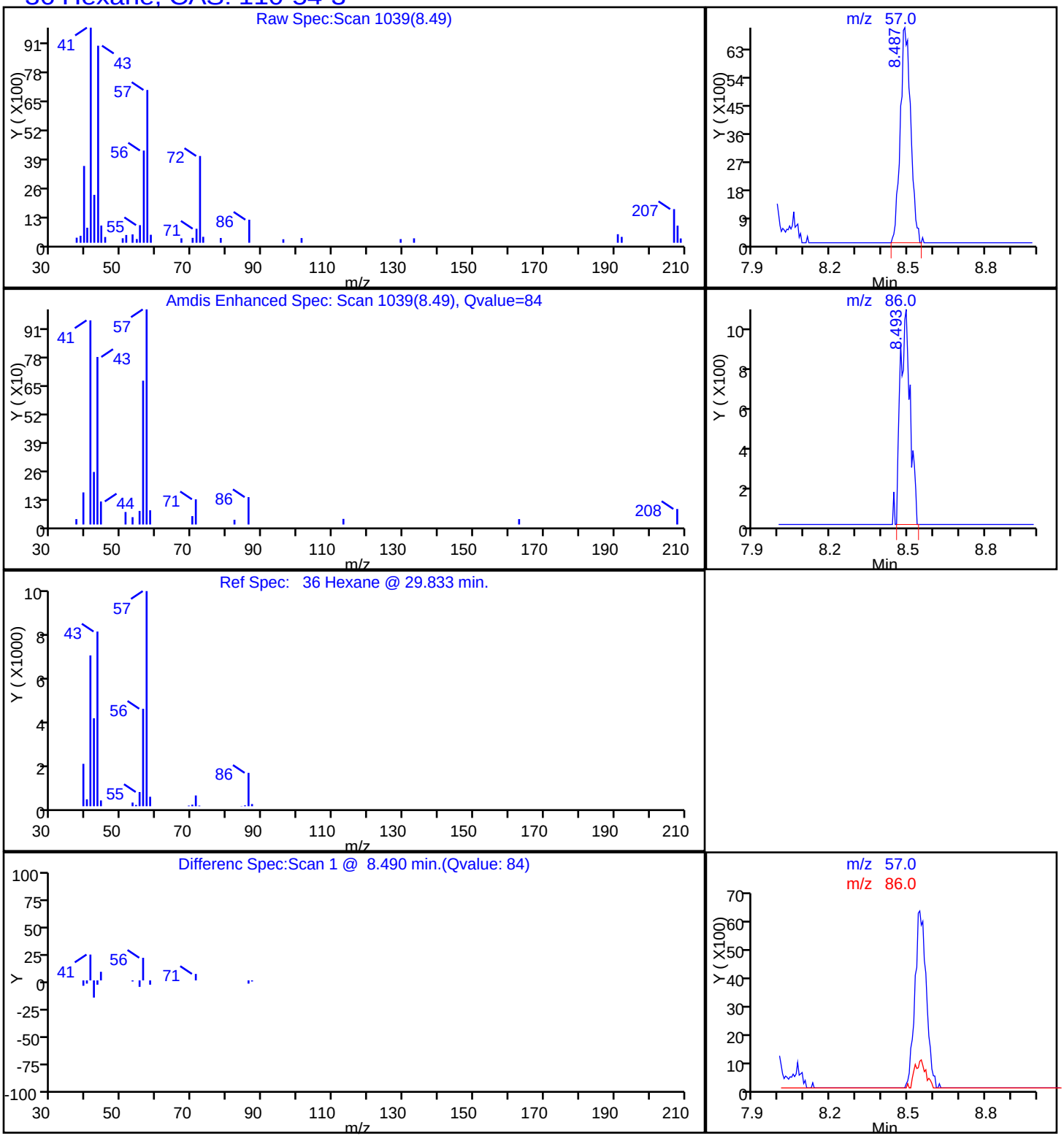
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



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TestAmerica Burlington

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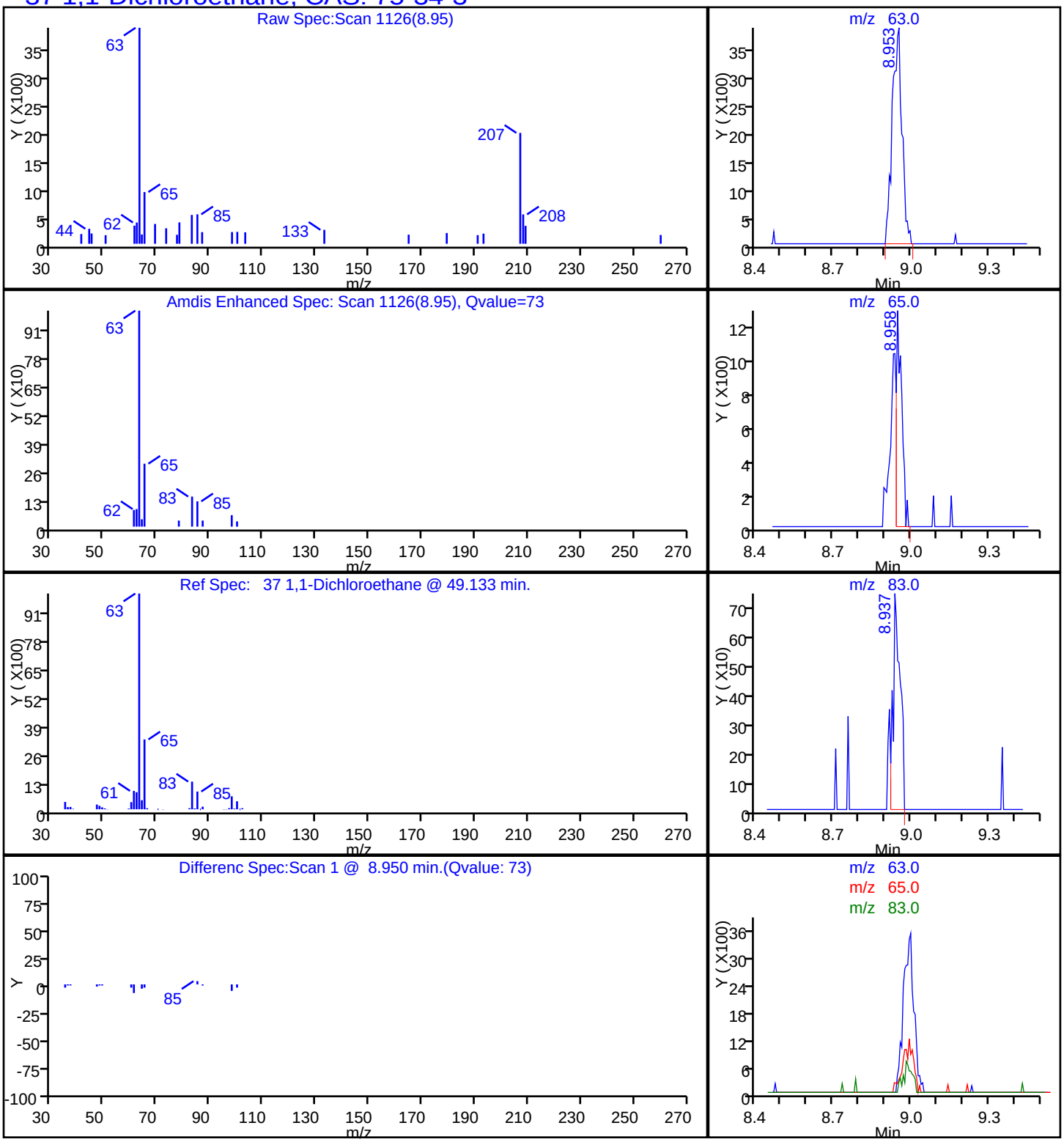
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



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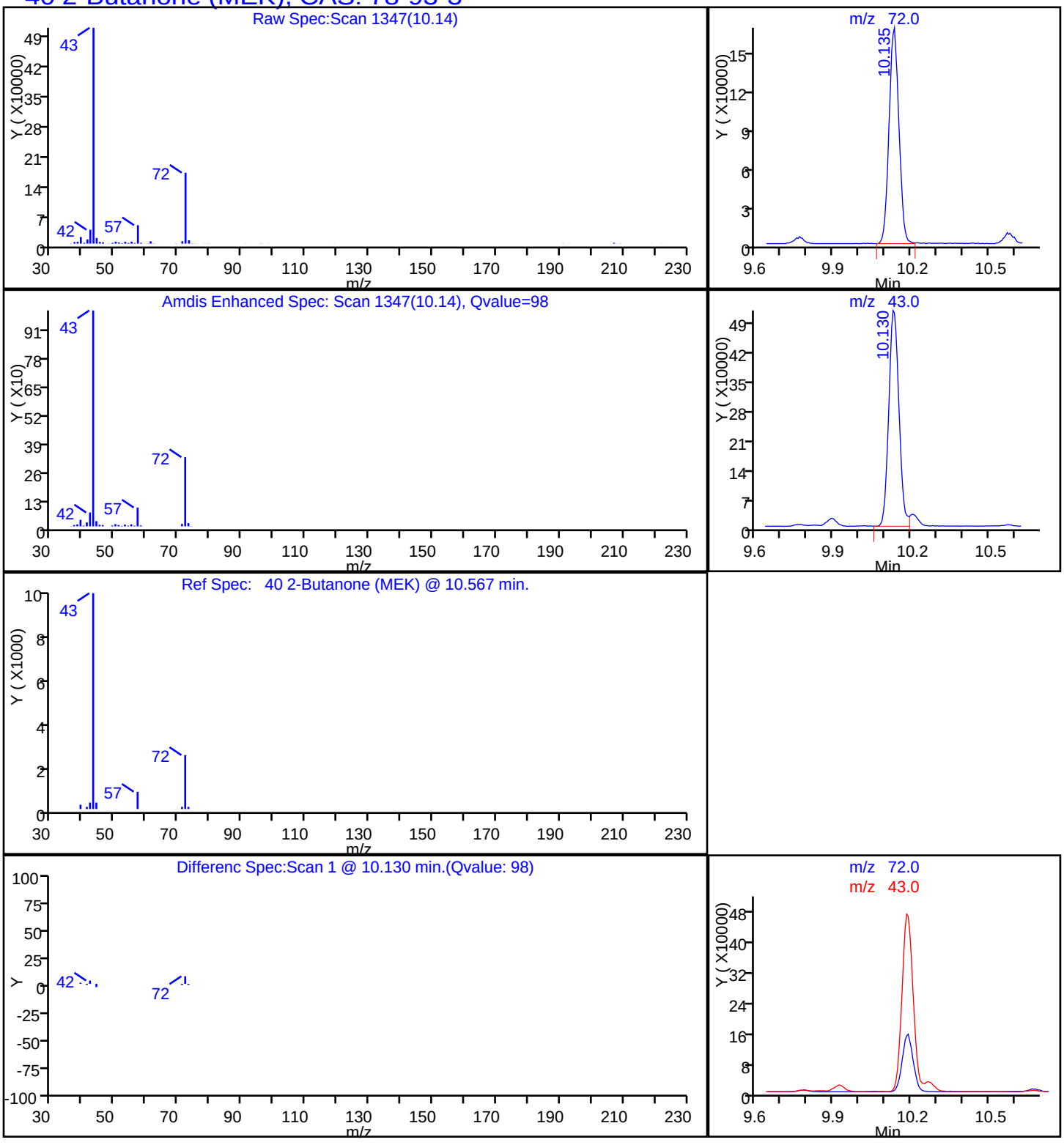
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3



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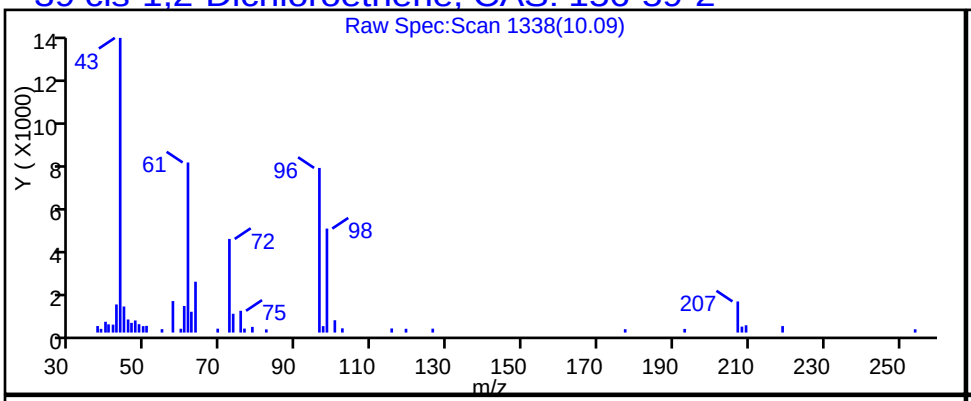
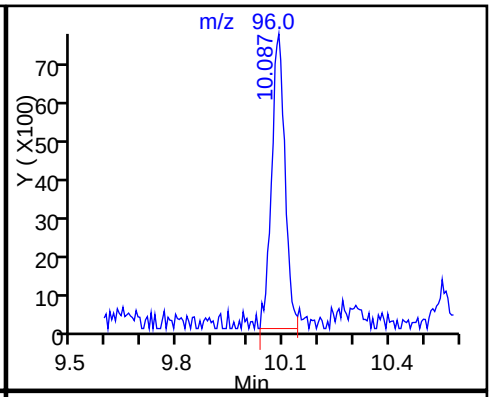
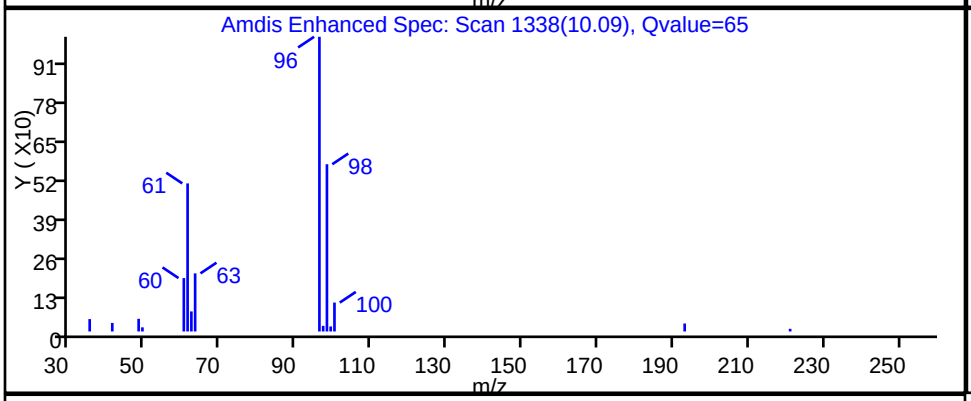
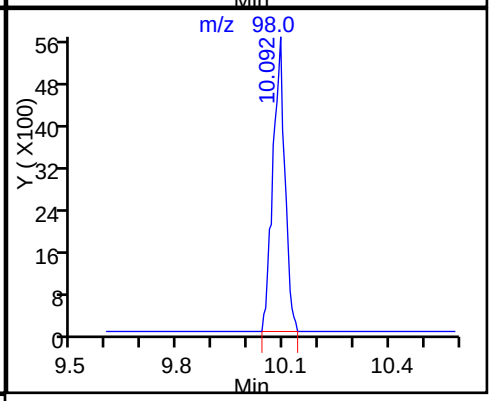
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

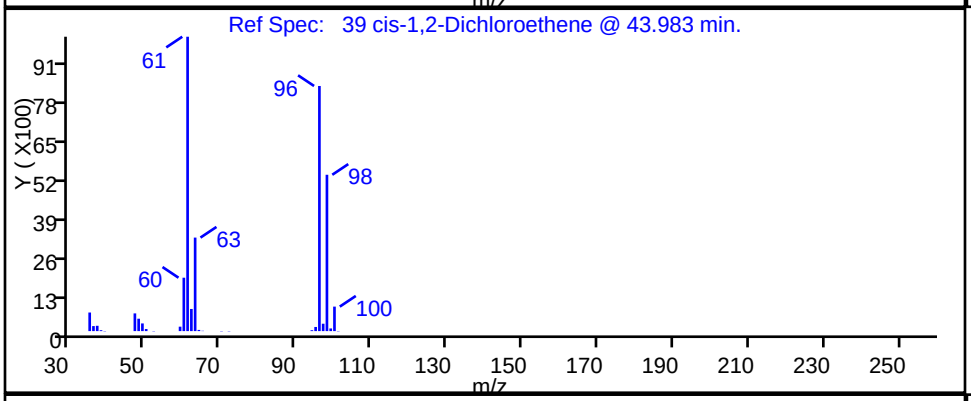
39 cis-1,2-Dichloroethene, CAS: 156-59-2

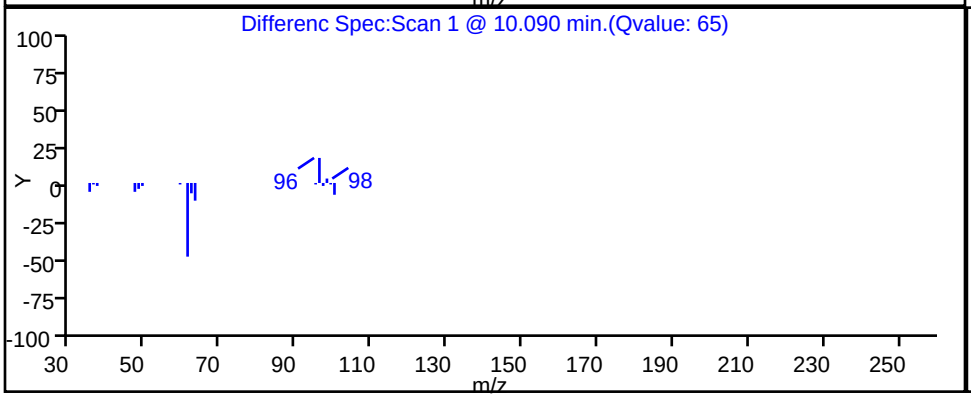


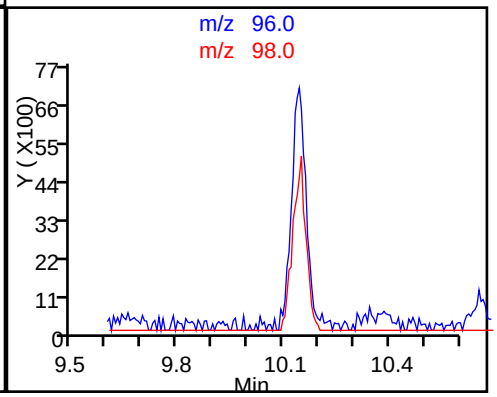












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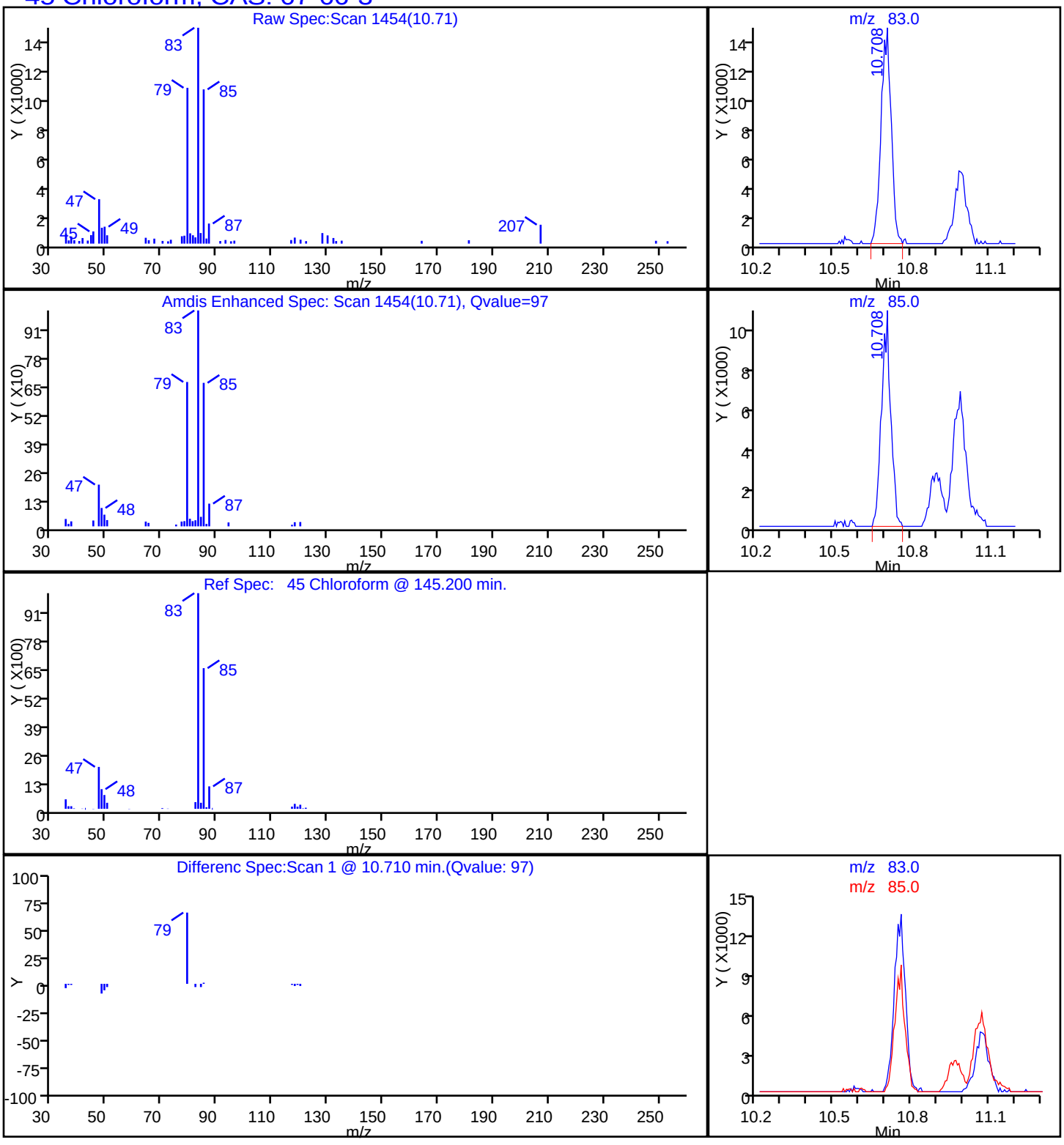
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



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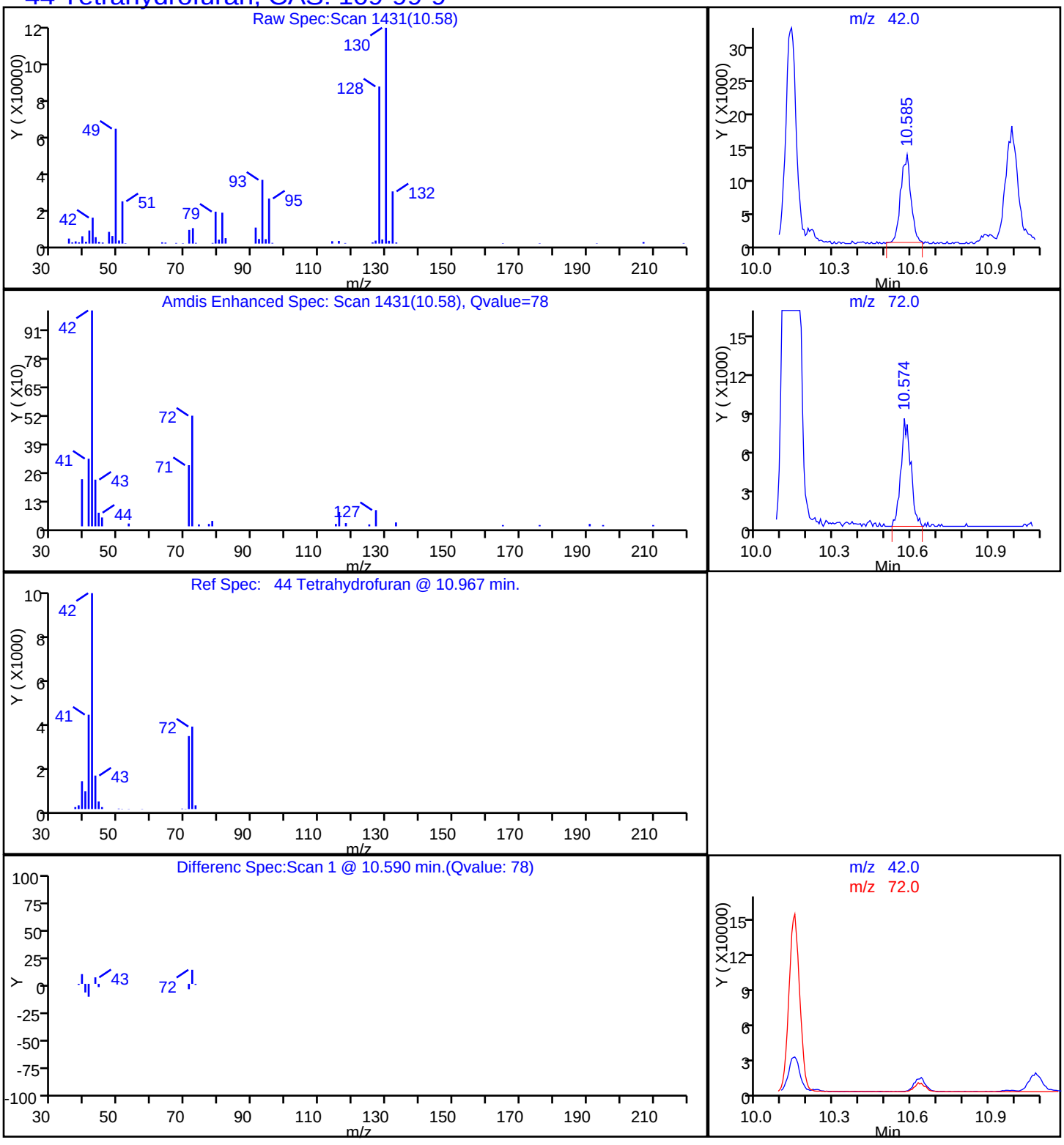
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Tetrahydrofuran, CAS: 109-99-9



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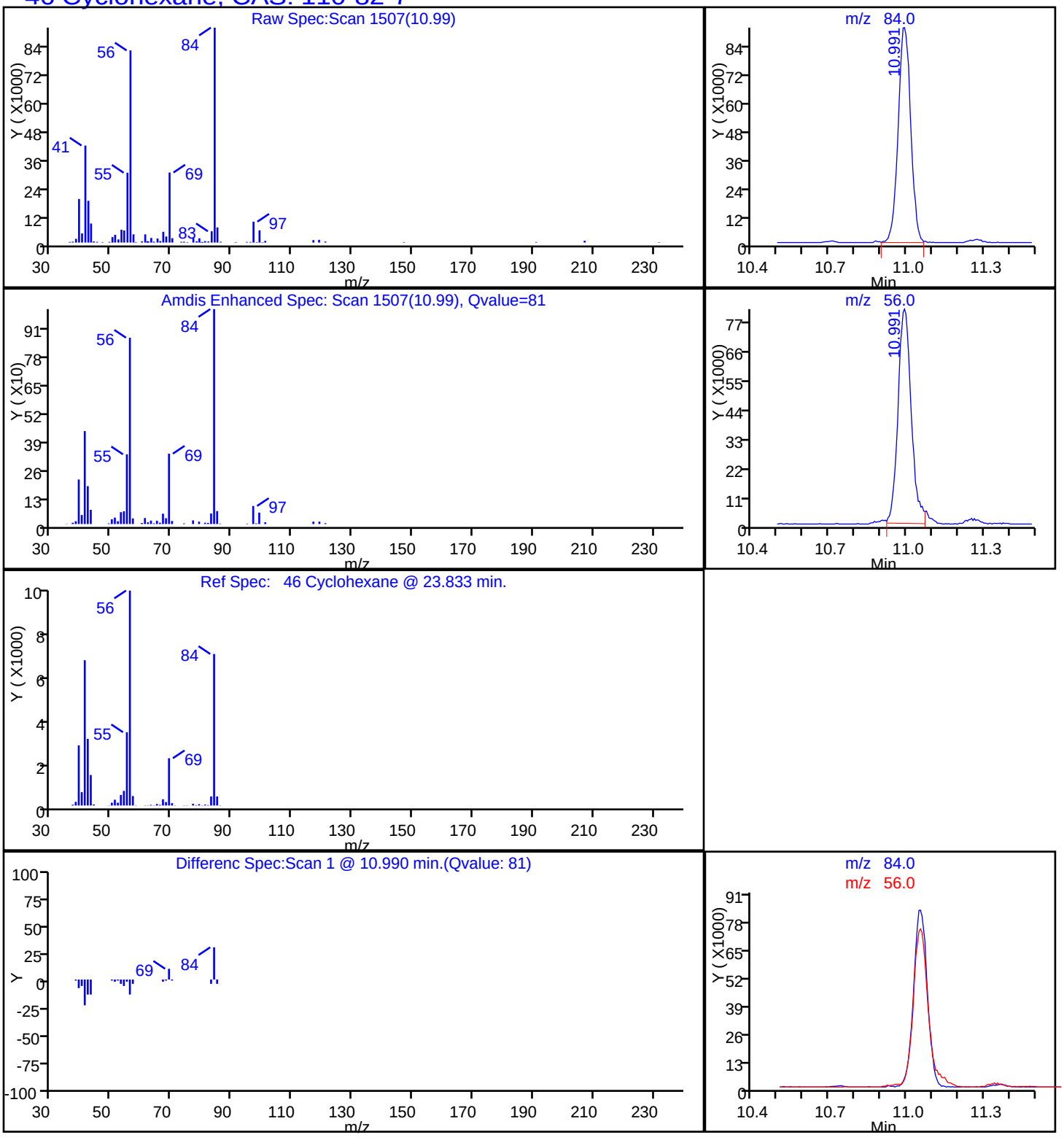
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



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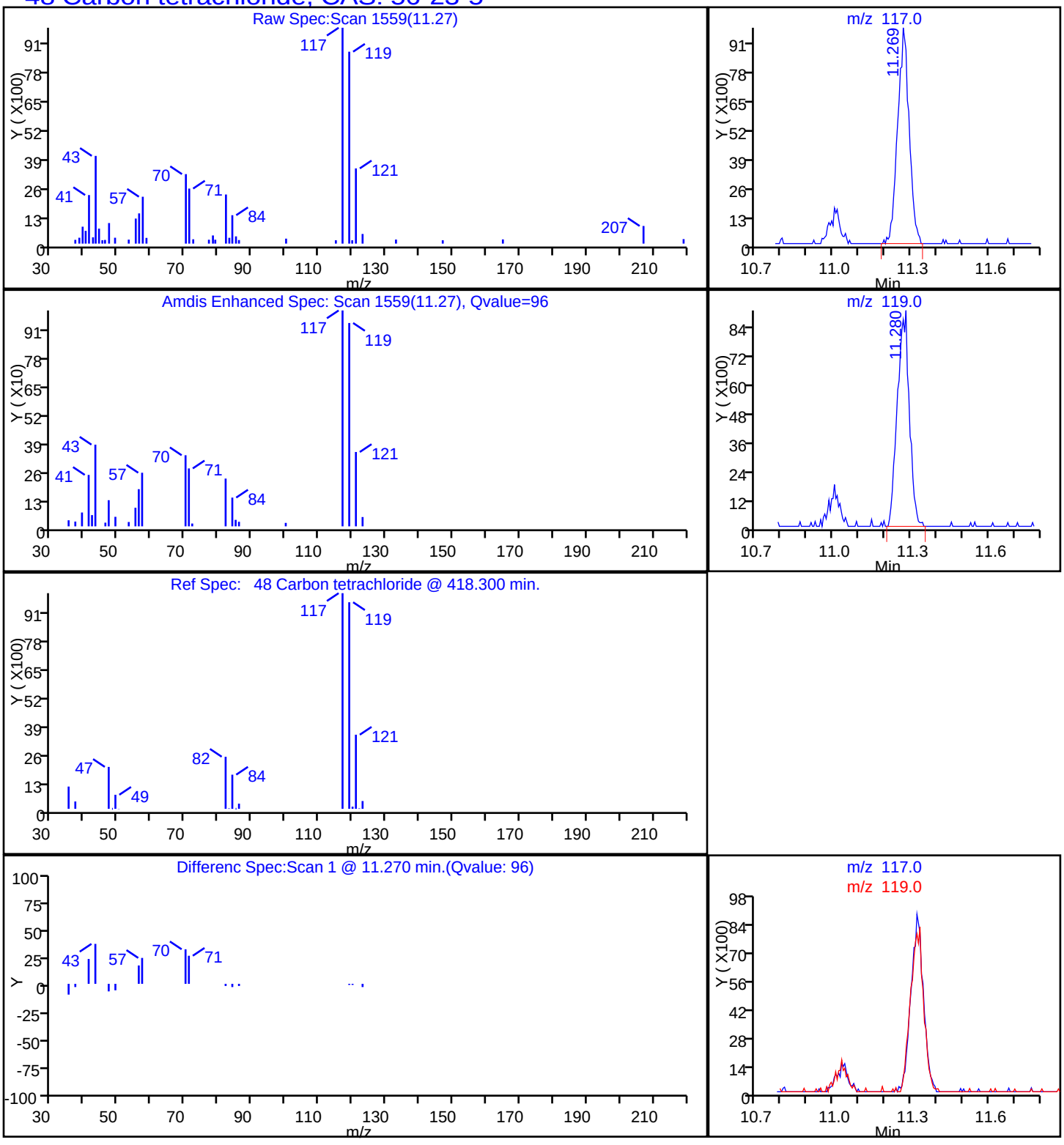
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 Carbon tetrachloride, CAS: 56-23-5



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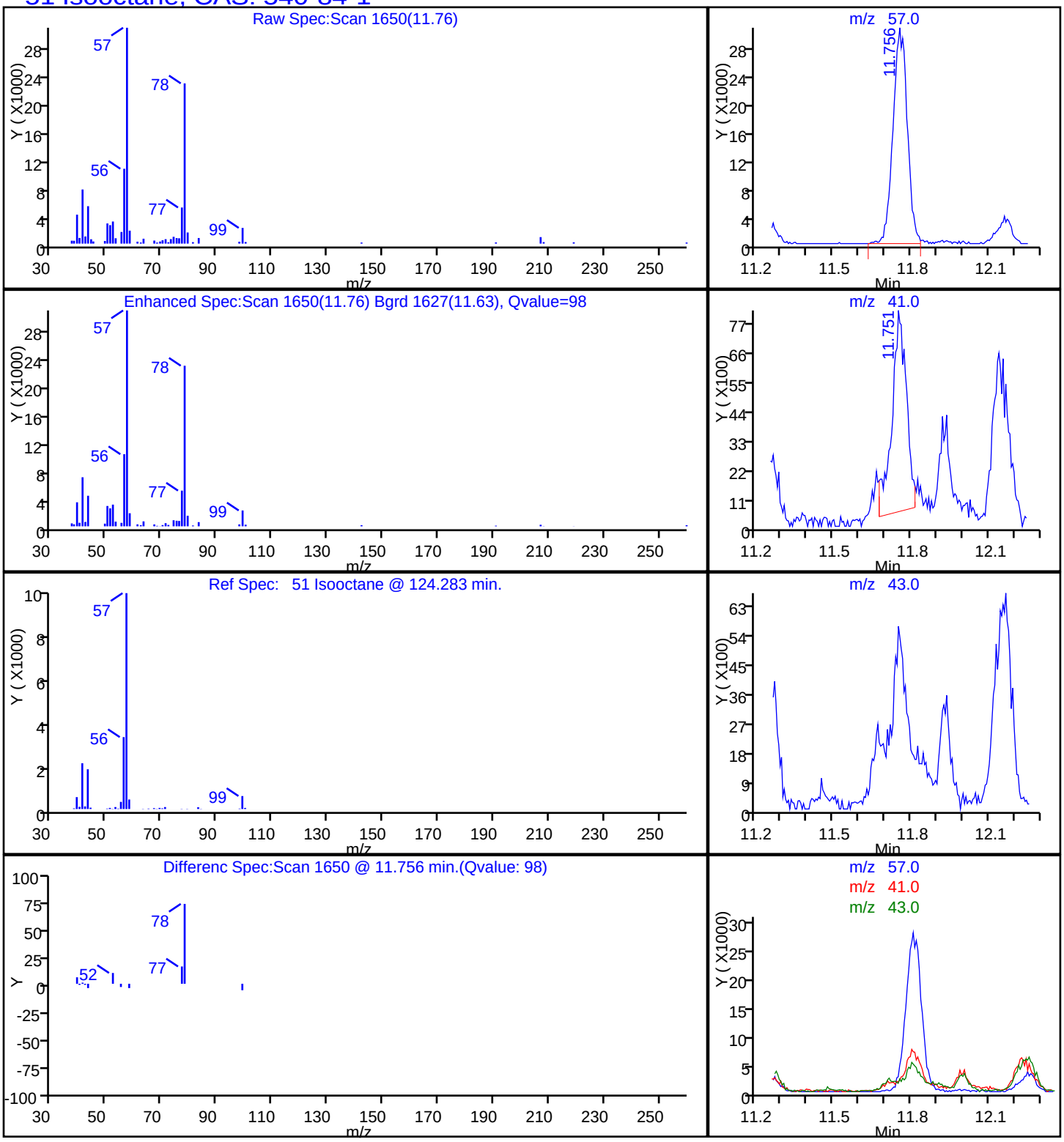
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1



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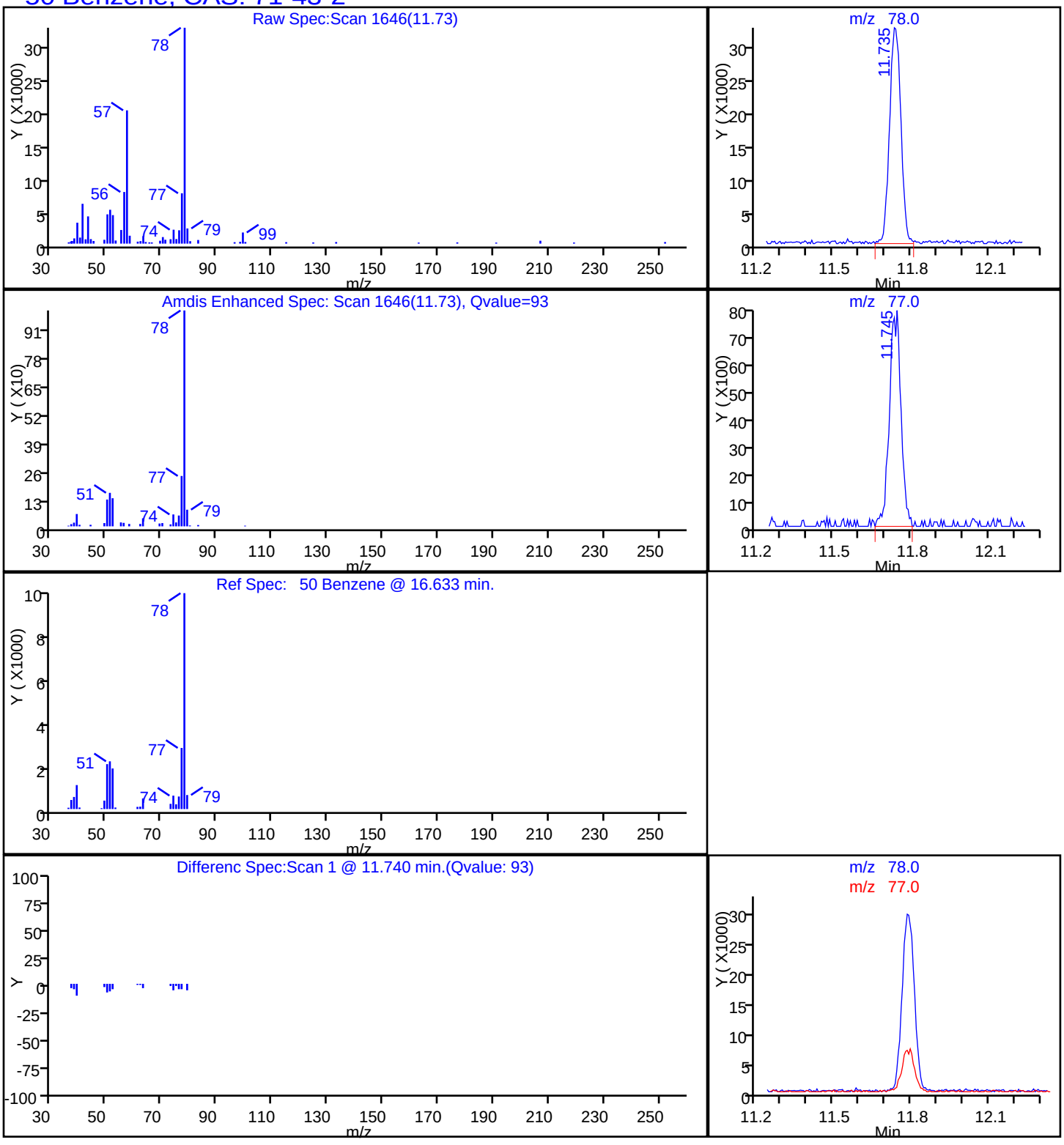
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



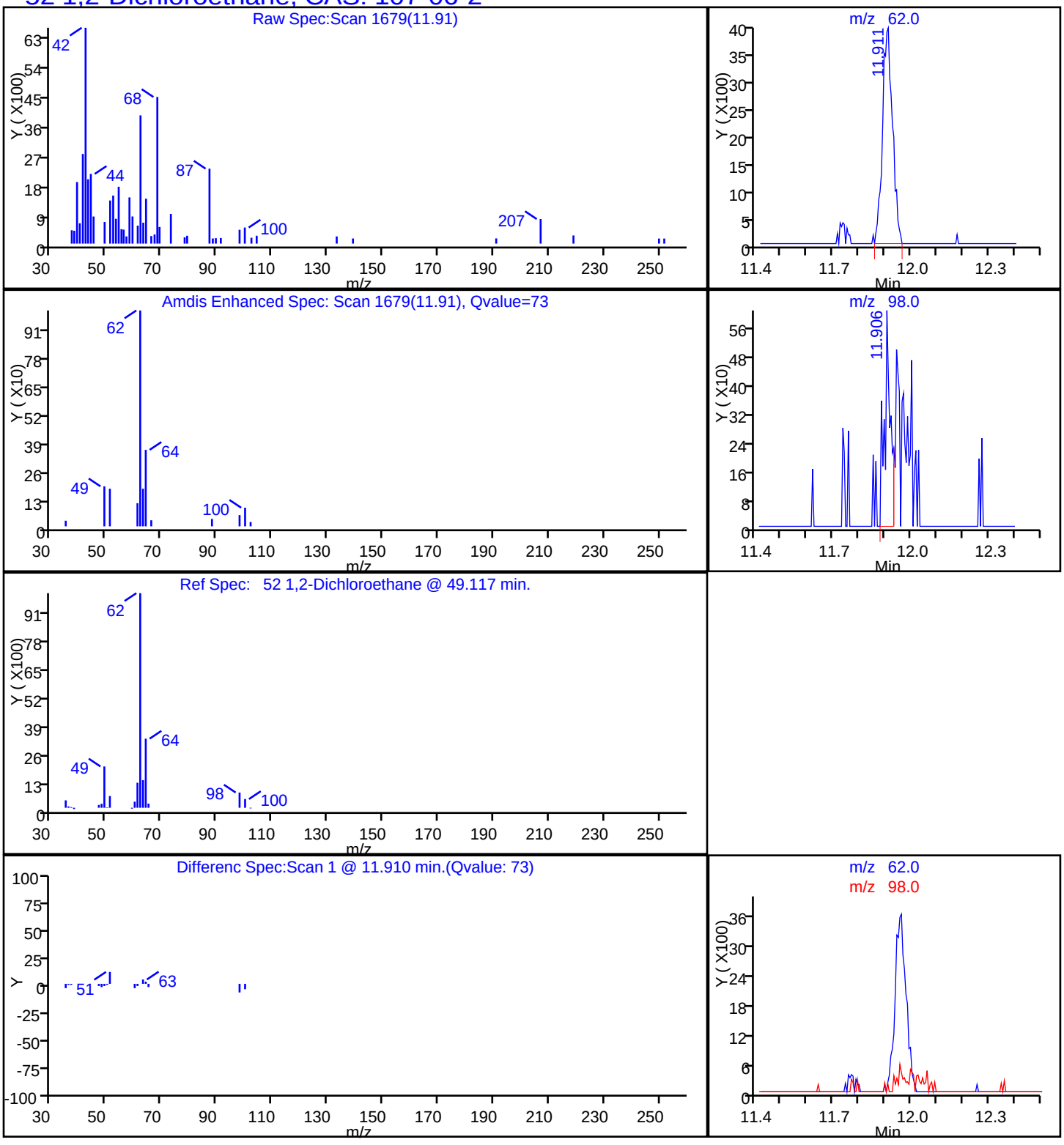
Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

52 1,2-Dichloroethane, CAS: 107-06-2



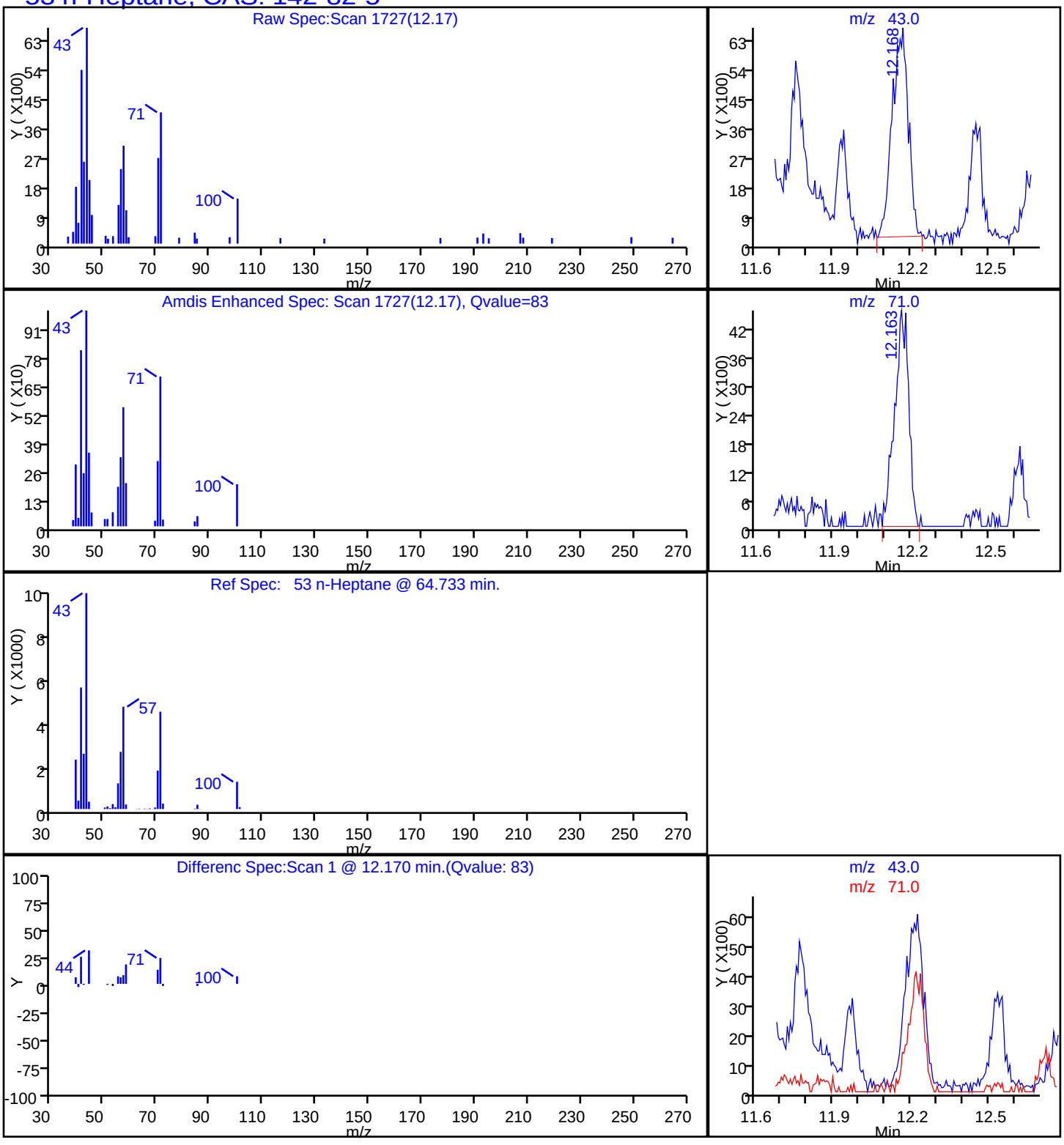
Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5



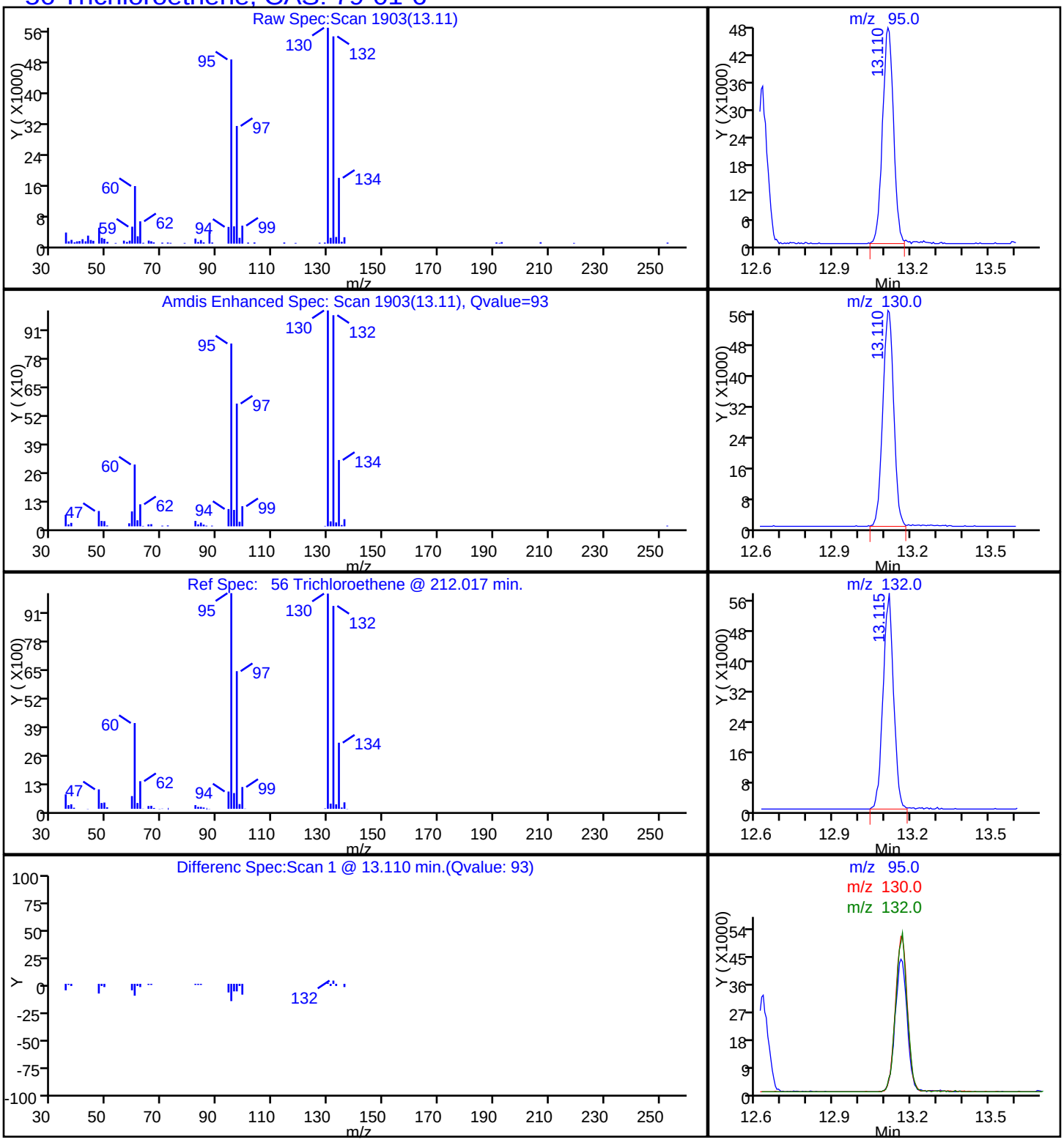
Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

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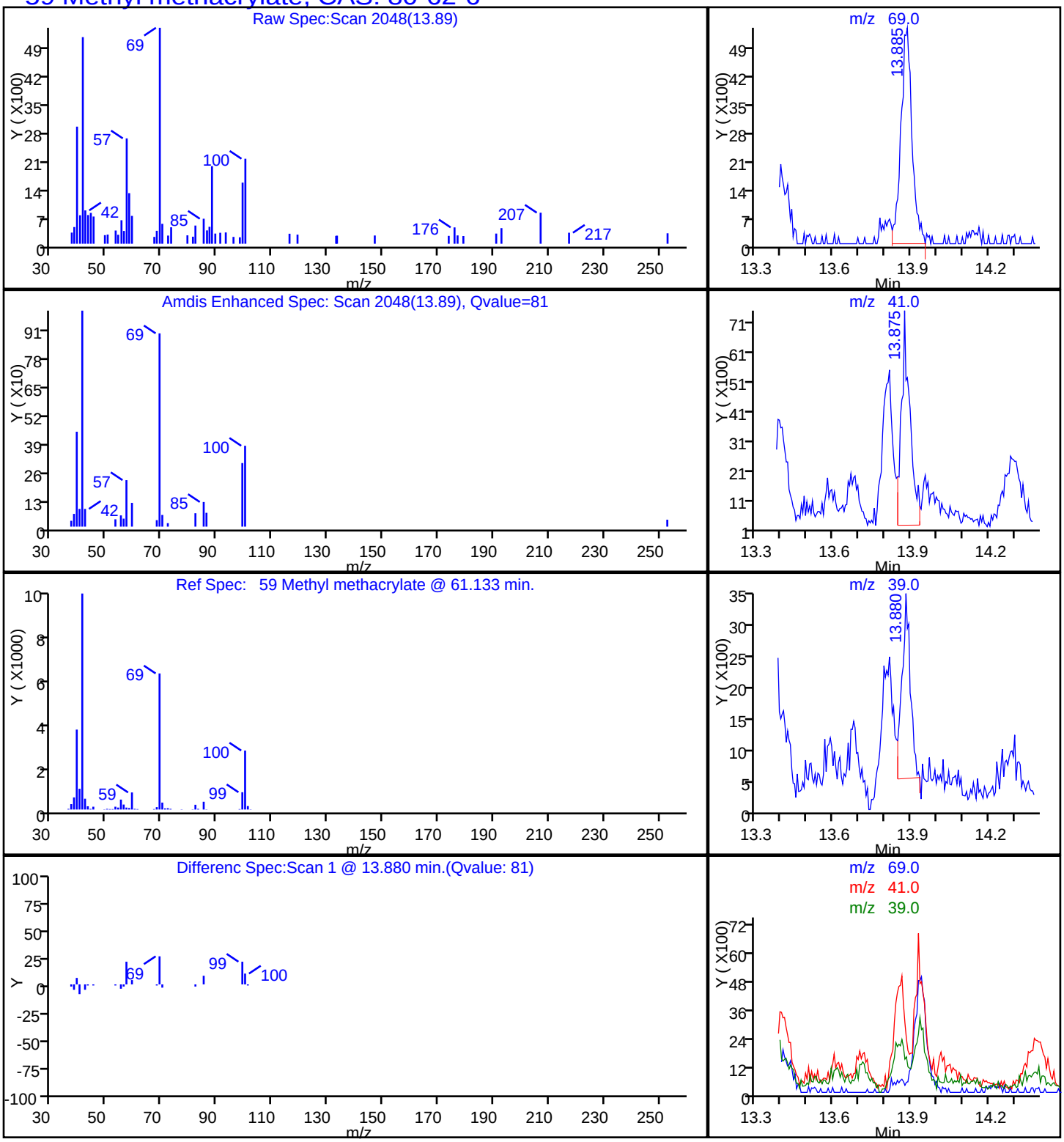
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

59 Methyl methacrylate, CAS: 80-62-6



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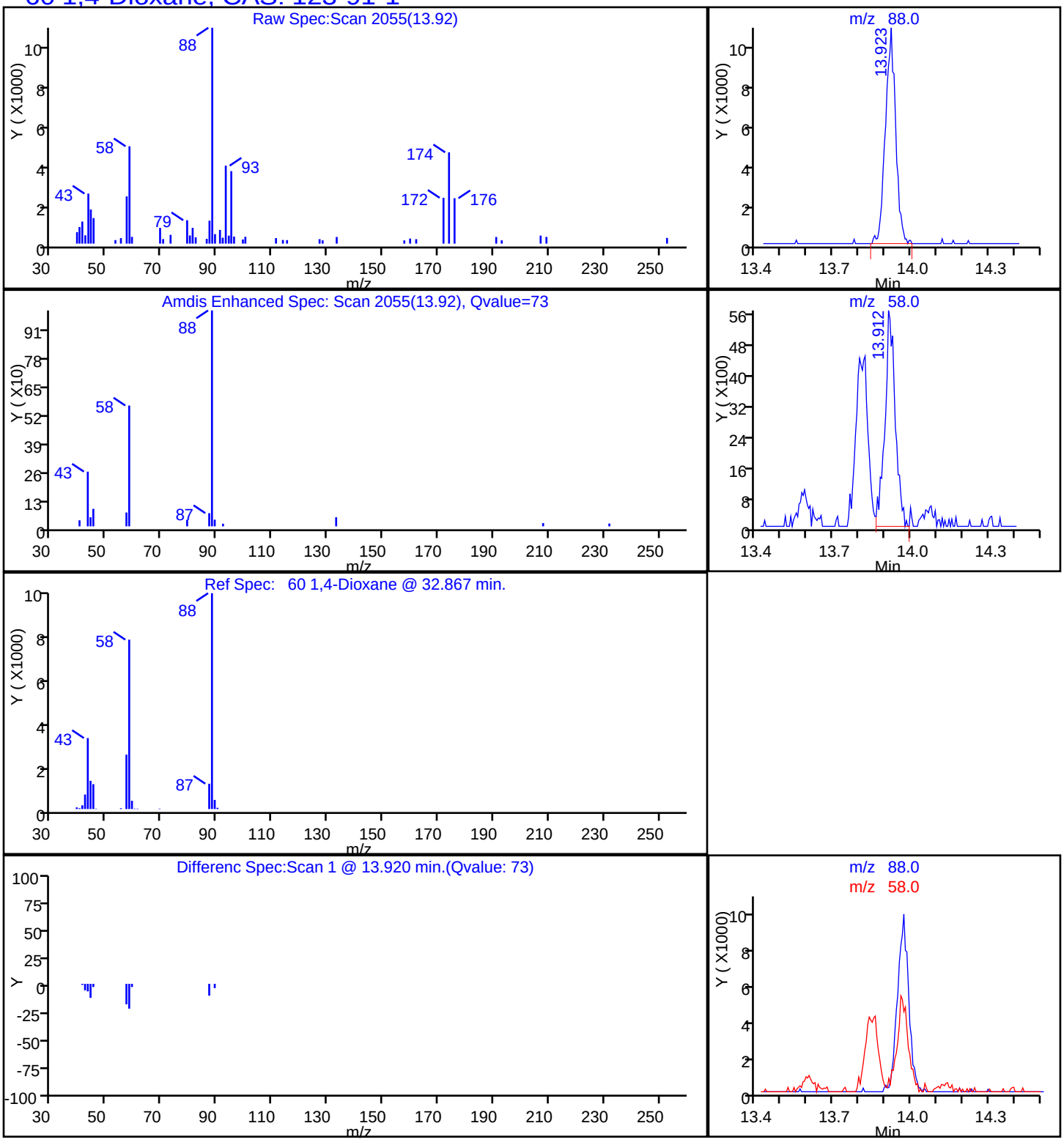
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

60 1,4-Dioxane, CAS: 123-91-1



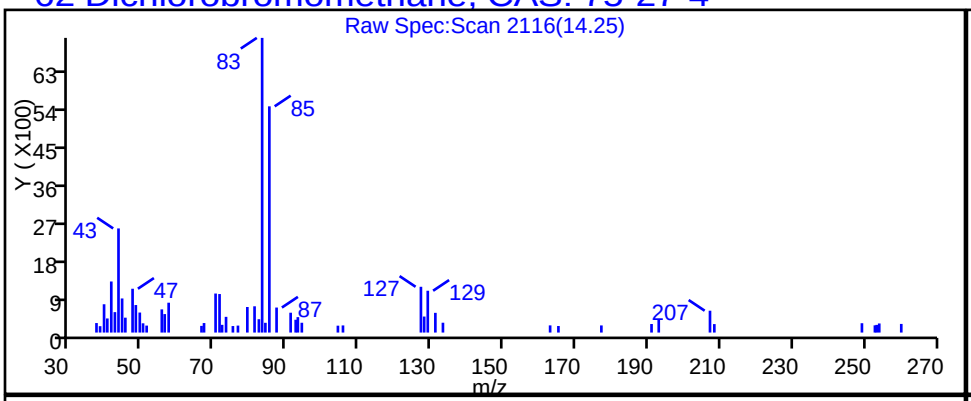
Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

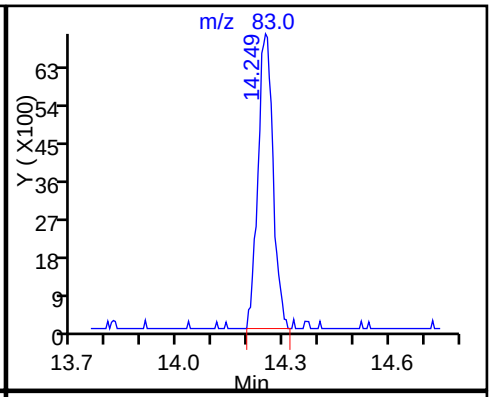
TestAmerica Burlington

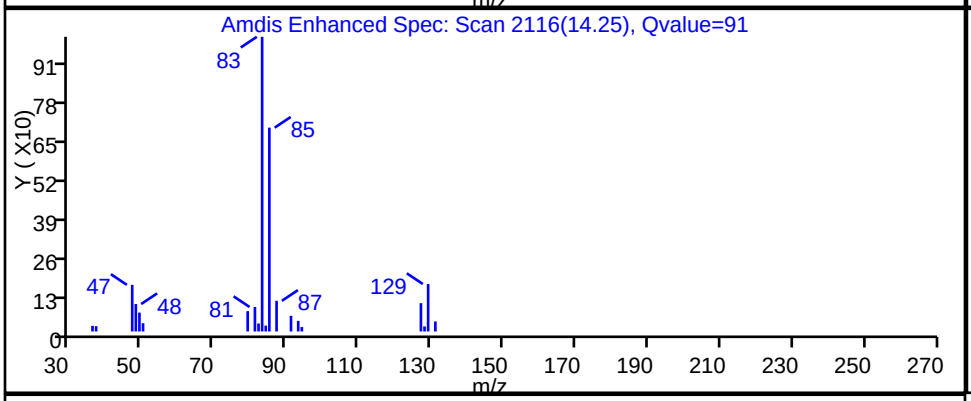
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

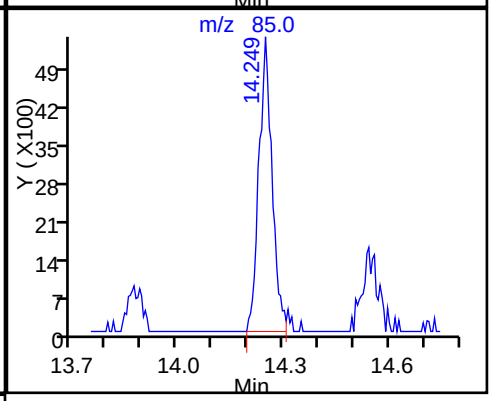
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

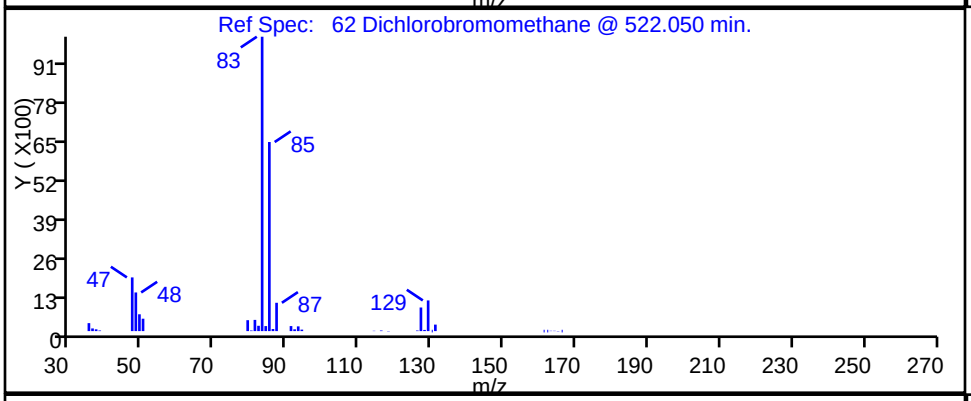
62 Dichlorobromomethane, CAS: 75-27-4

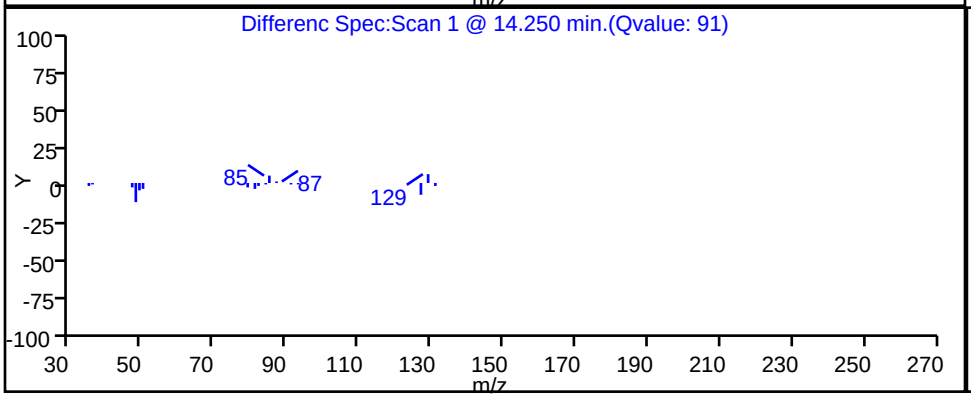


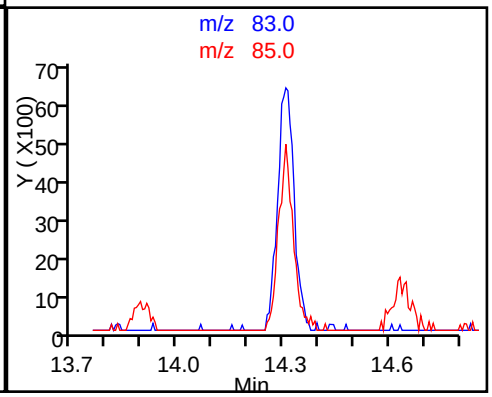












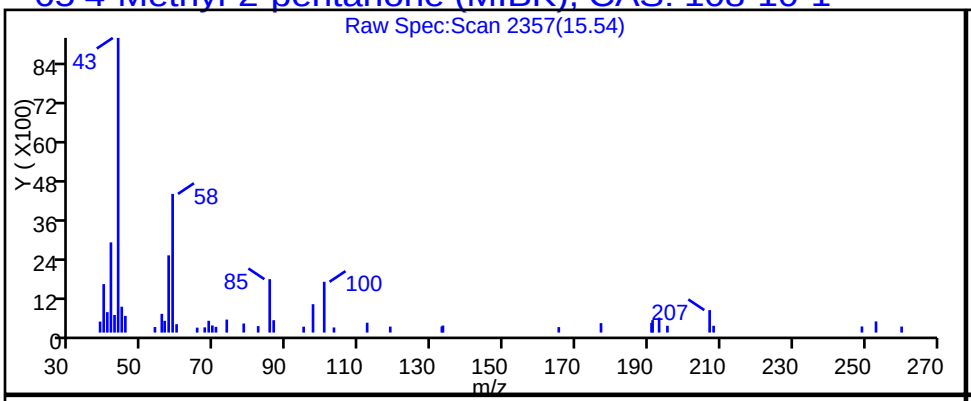
Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

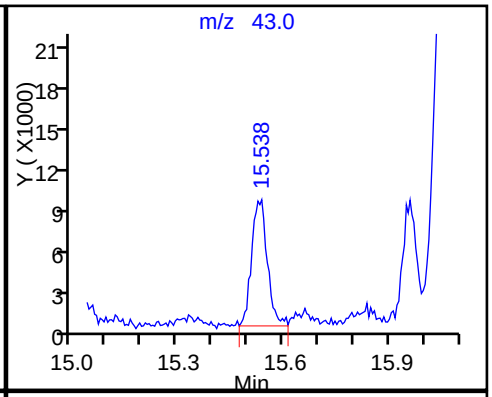
TestAmerica Burlington

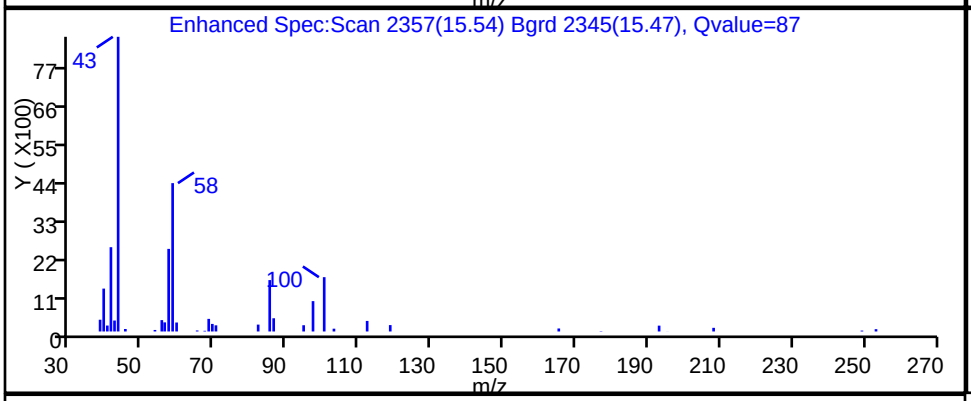
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

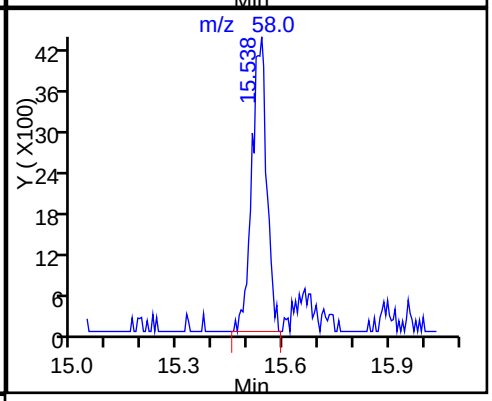
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

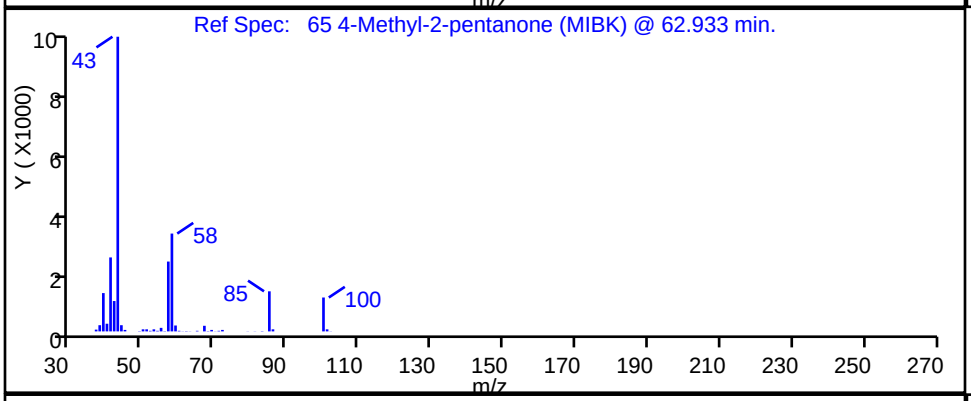
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

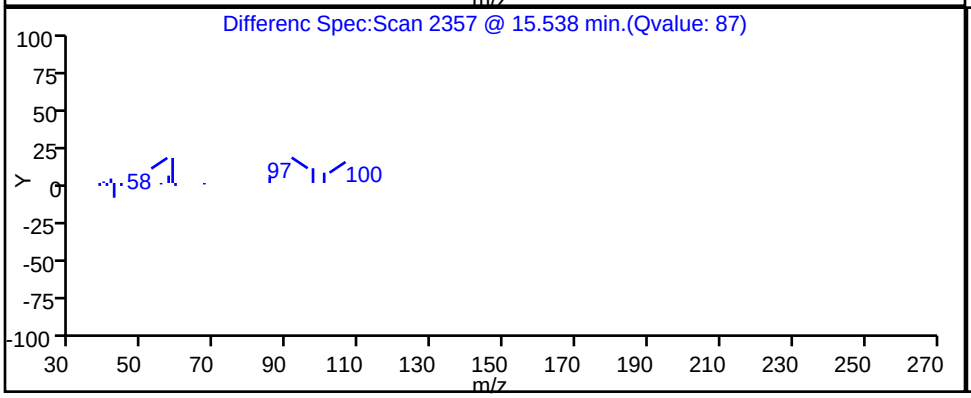


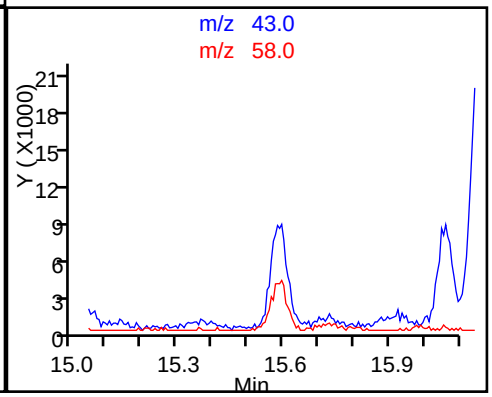












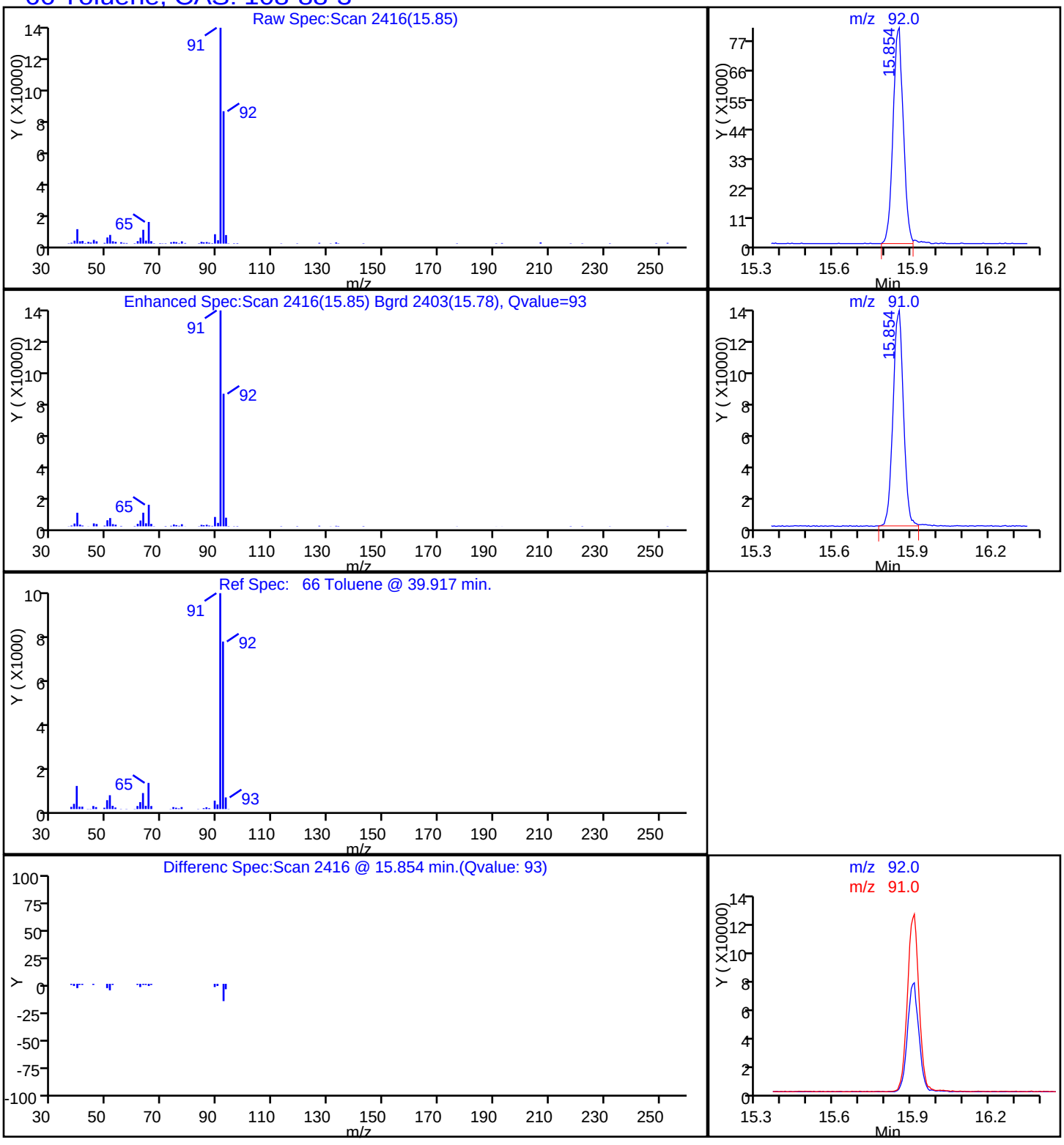
Report Date: 24-Feb-2014 11:53:30 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



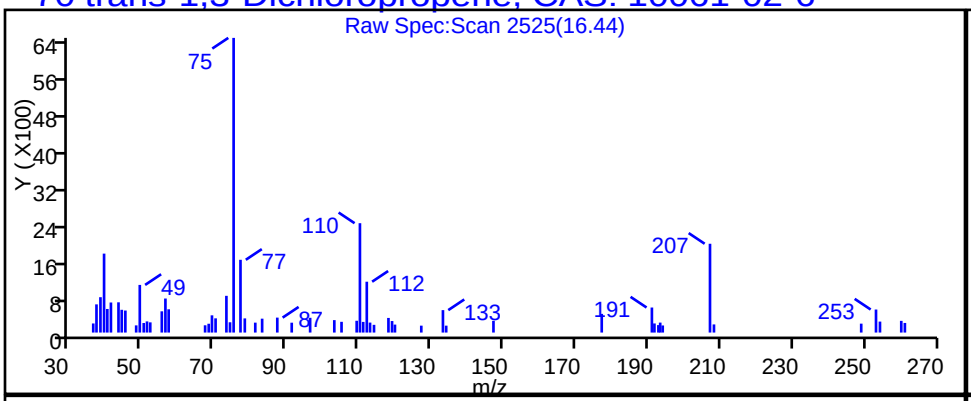
Report Date: 24-Feb-2014 11:53:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

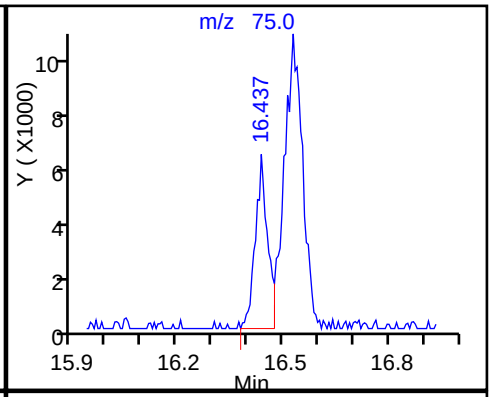
TestAmerica Burlington

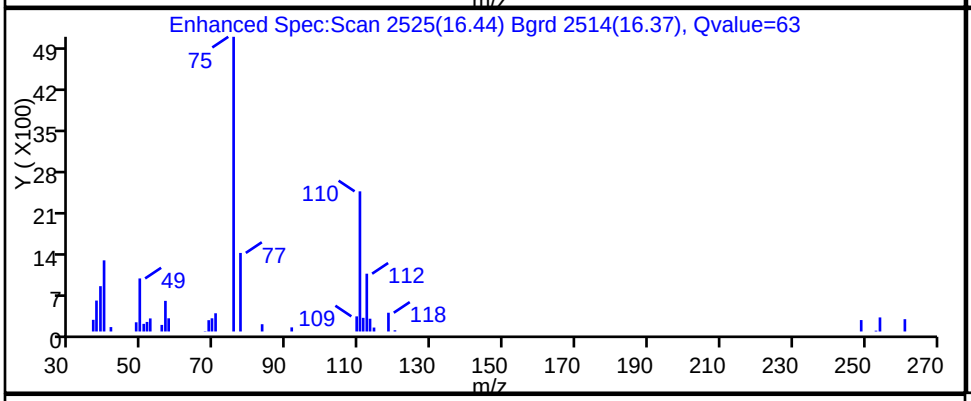
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

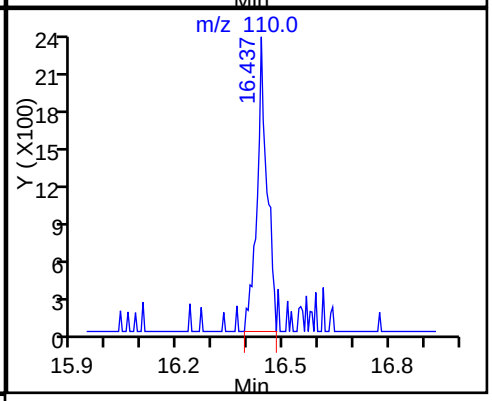
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

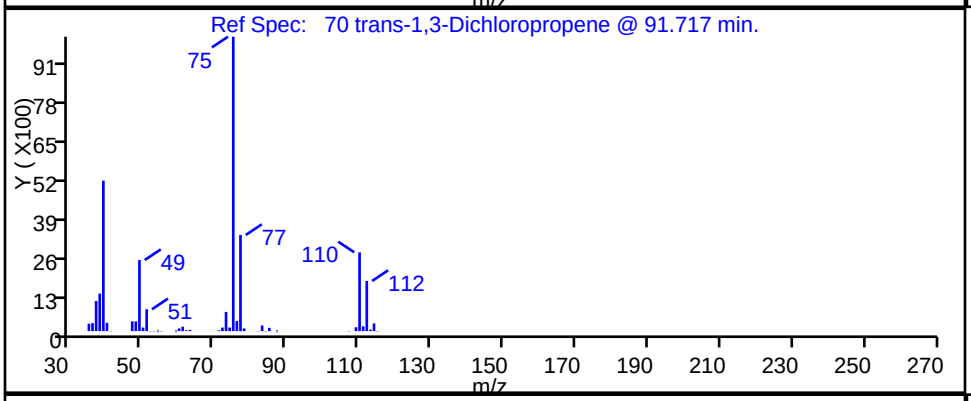
70 trans-1,3-Dichloropropene, CAS: 10061-02-6

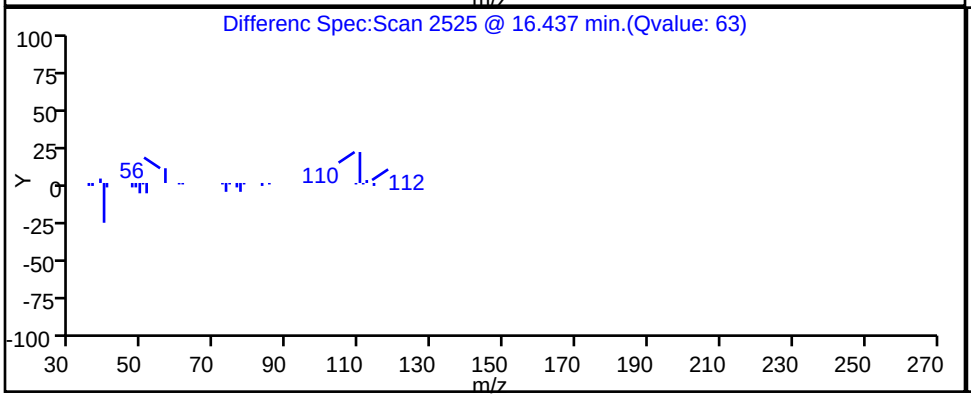


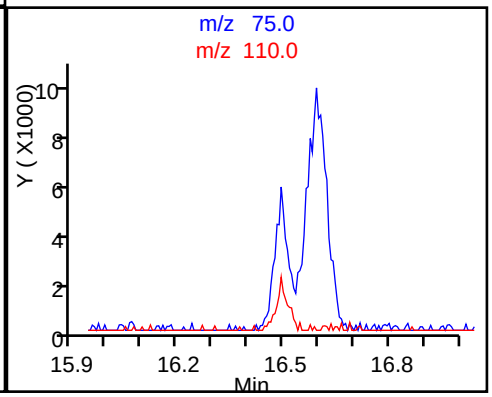












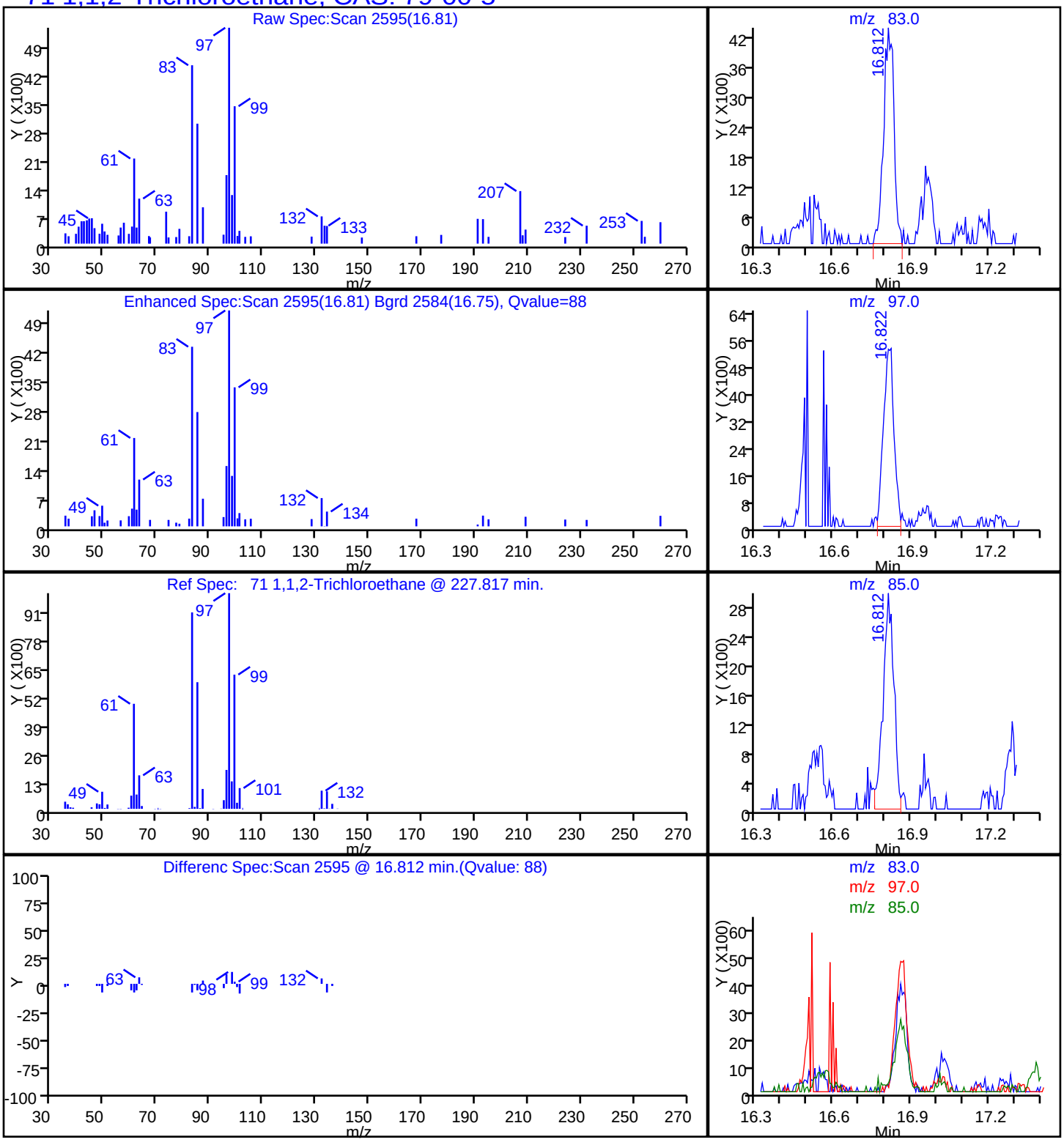
Report Date: 24-Feb-2014 11:53:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

71 1,1,2-Trichloroethane, CAS: 79-00-5



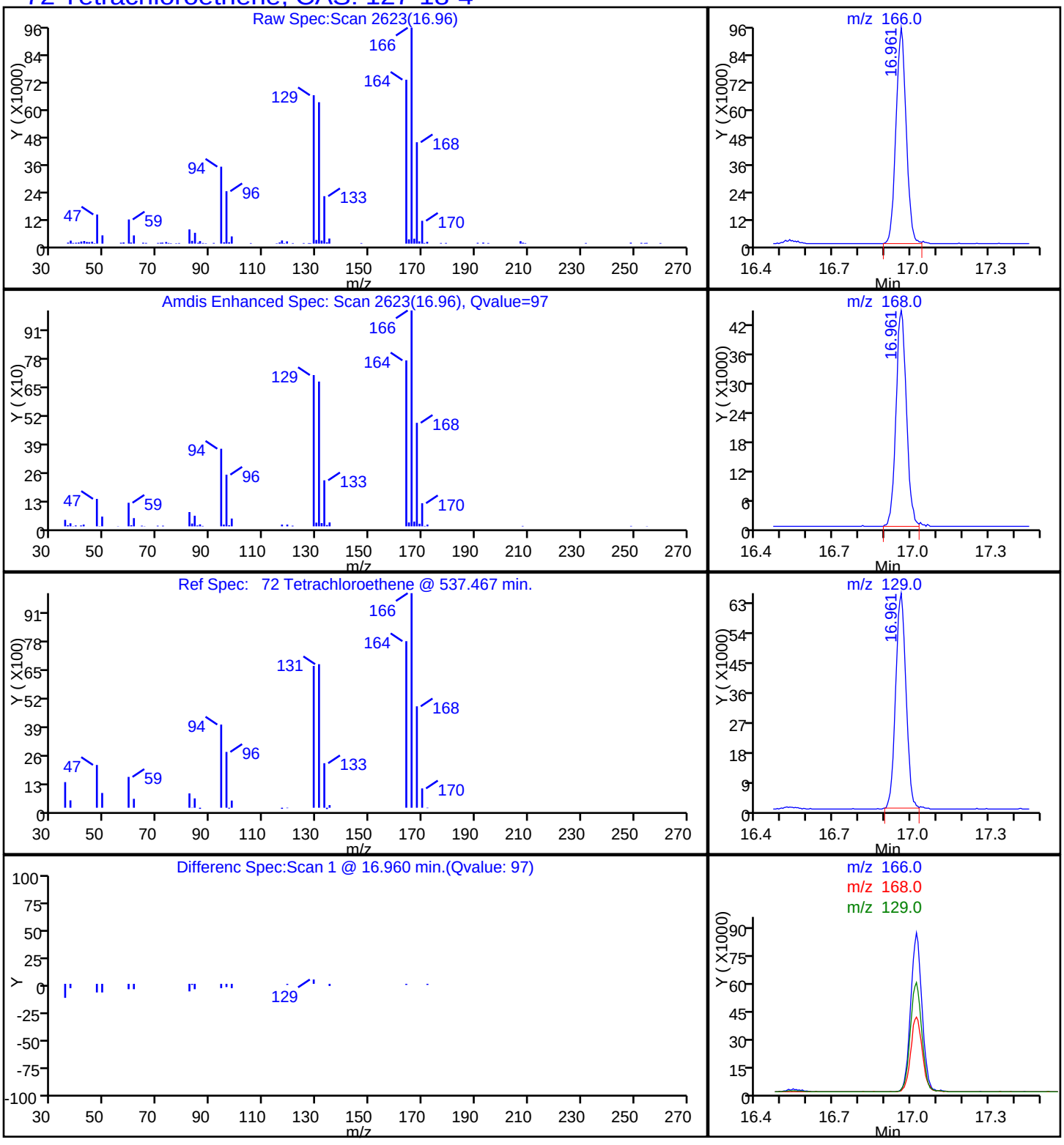
Report Date: 24-Feb-2014 11:53:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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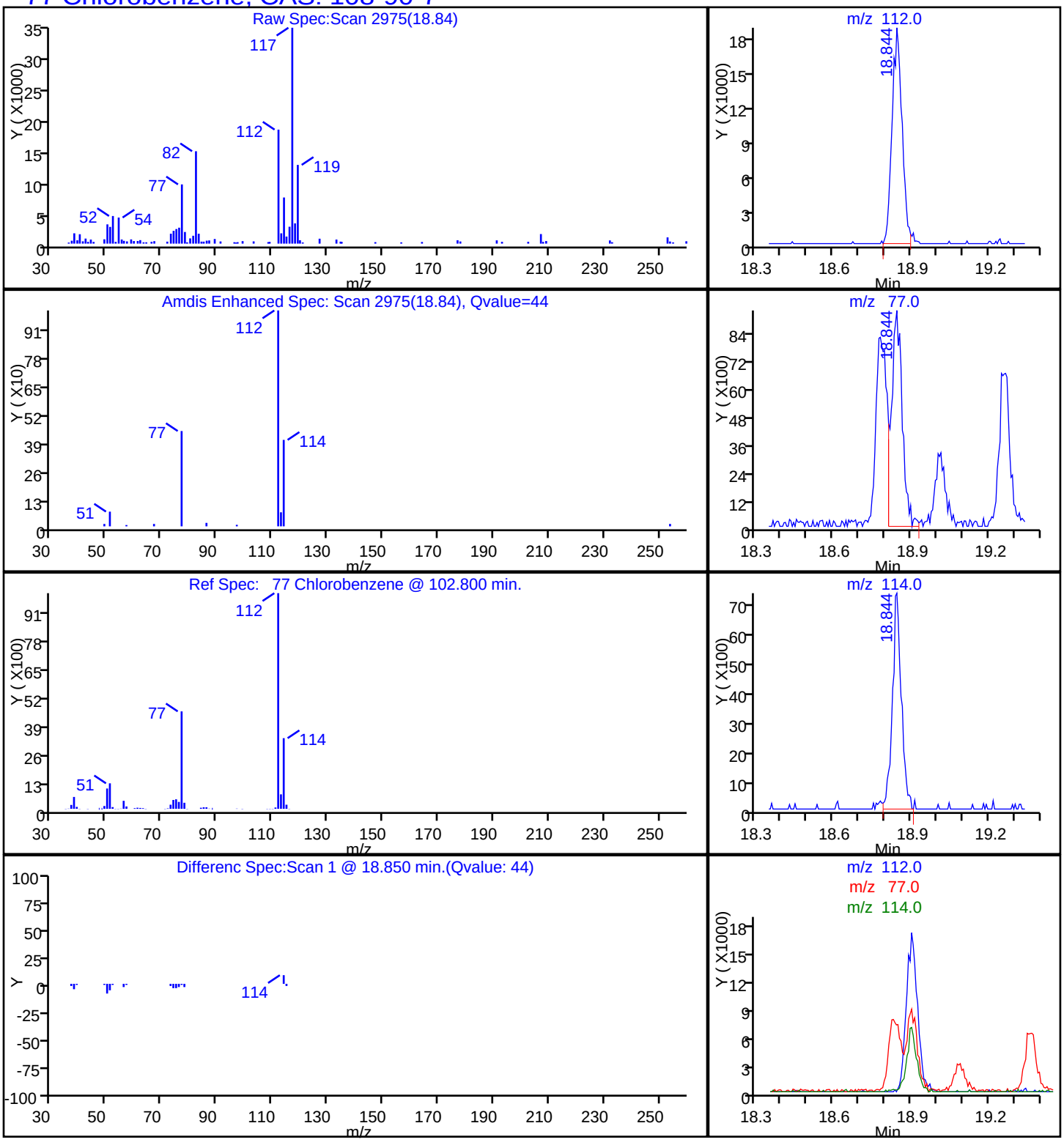
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

77 Chlorobenzene, CAS: 108-90-7



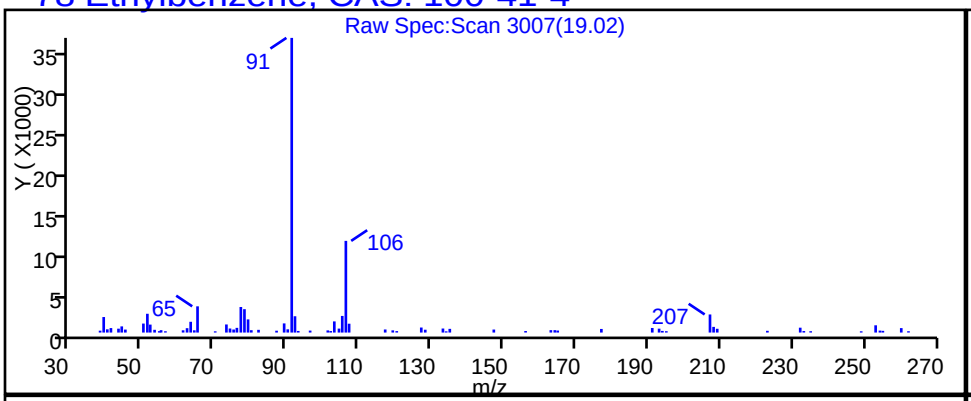
Report Date: 24-Feb-2014 11:53:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

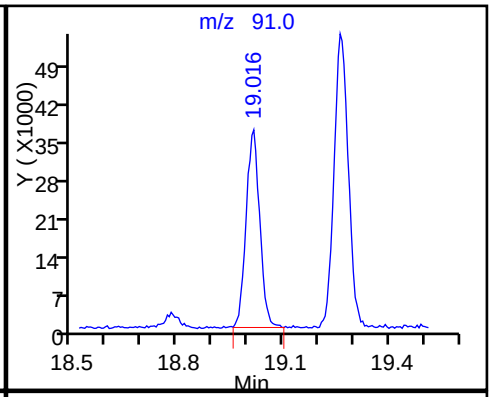
TestAmerica Burlington

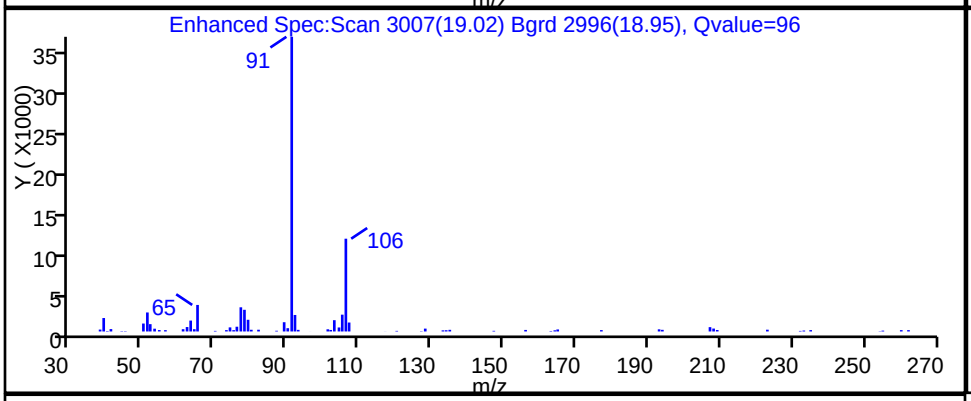
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

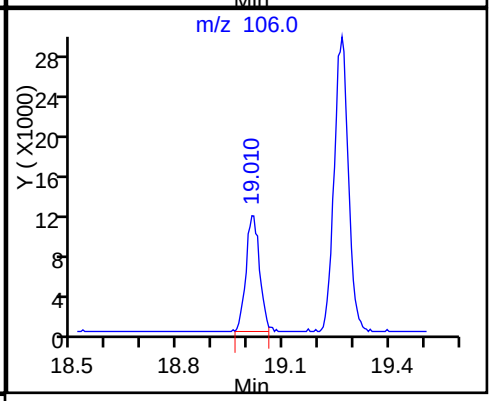
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

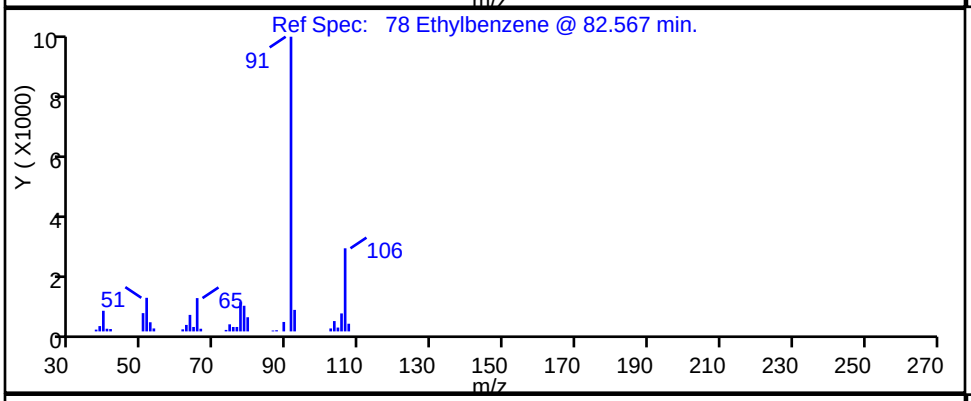
78 Ethylbenzene, CAS: 100-41-4

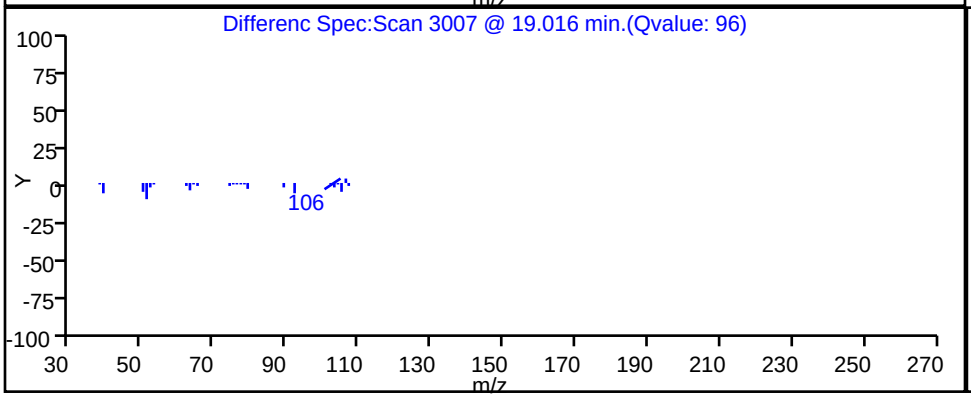


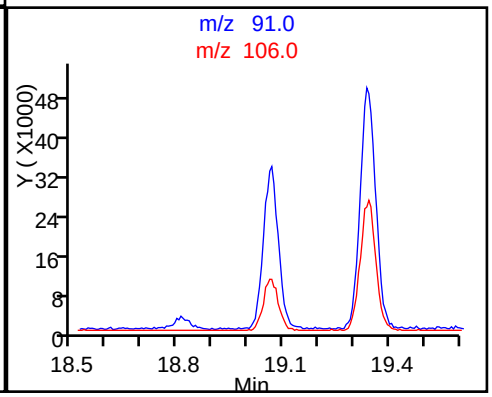












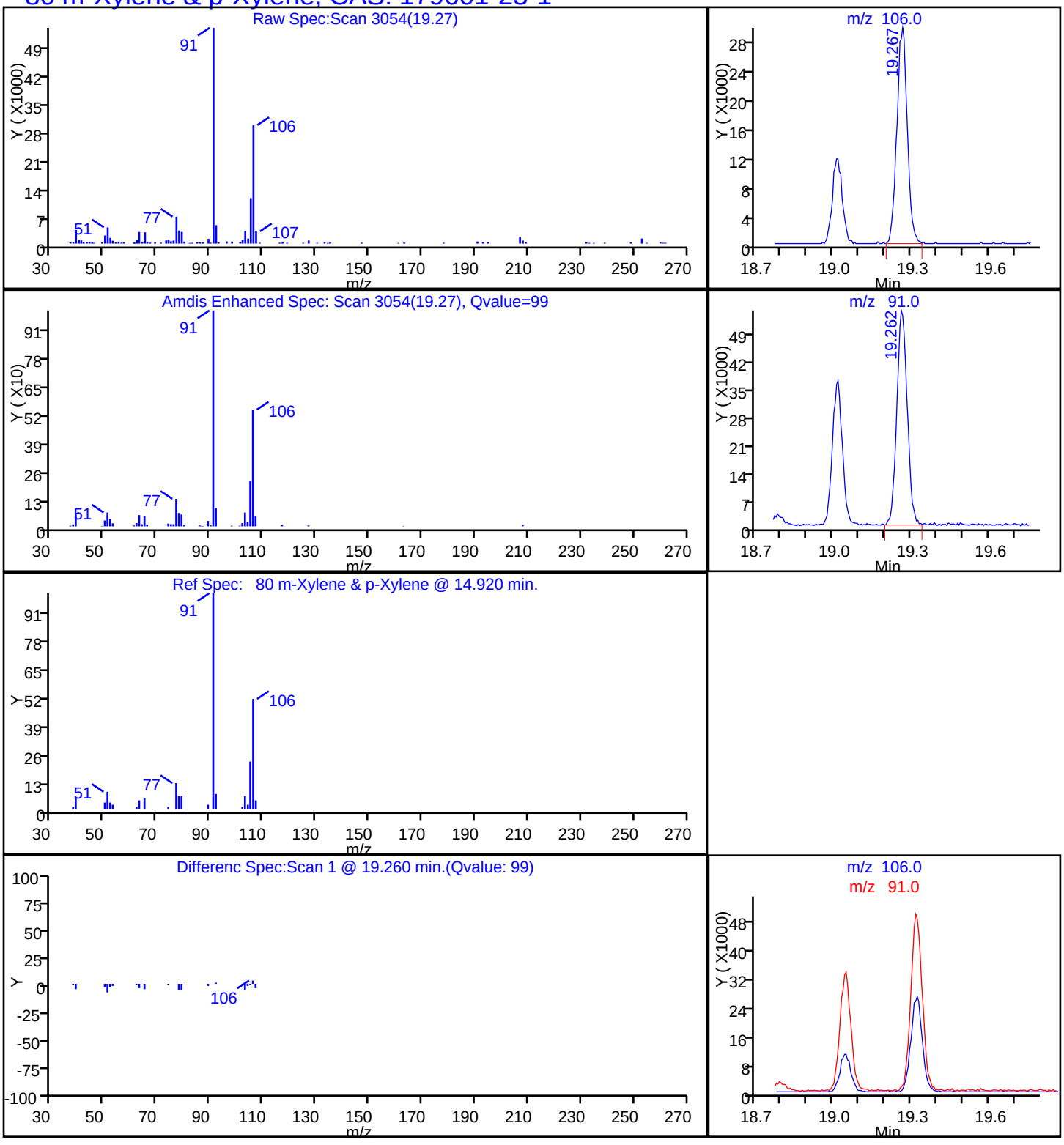
Report Date: 24-Feb-2014 11:53:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



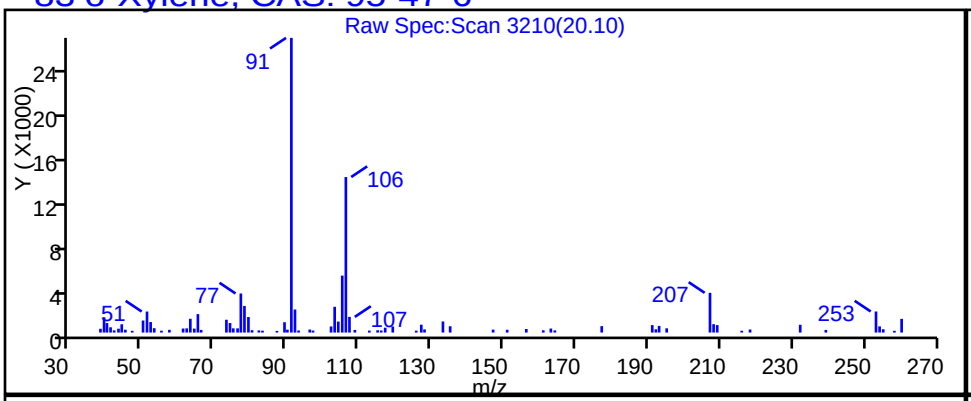
Report Date: 24-Feb-2014 11:53:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

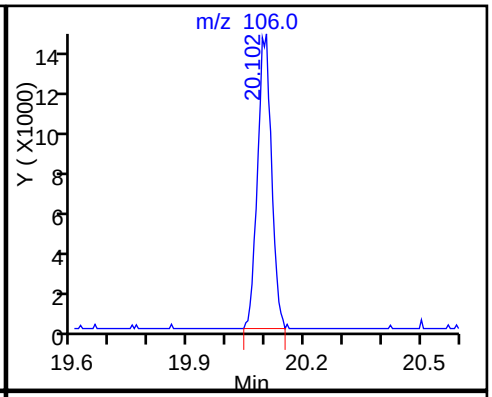
TestAmerica Burlington

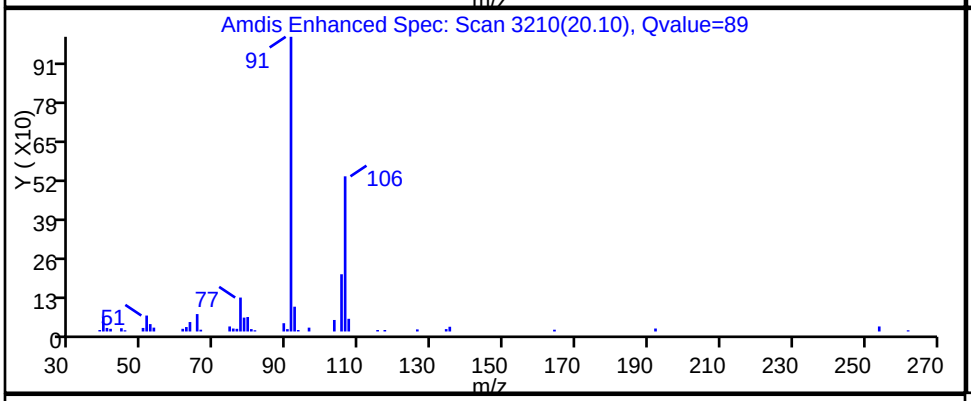
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

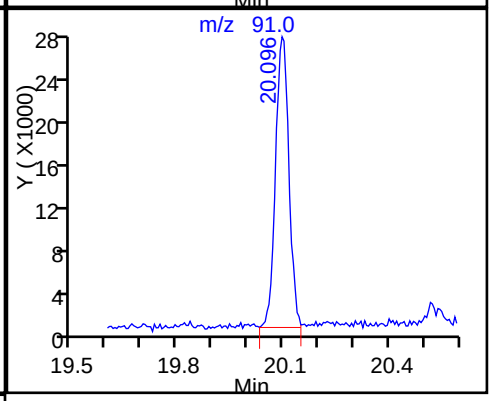
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

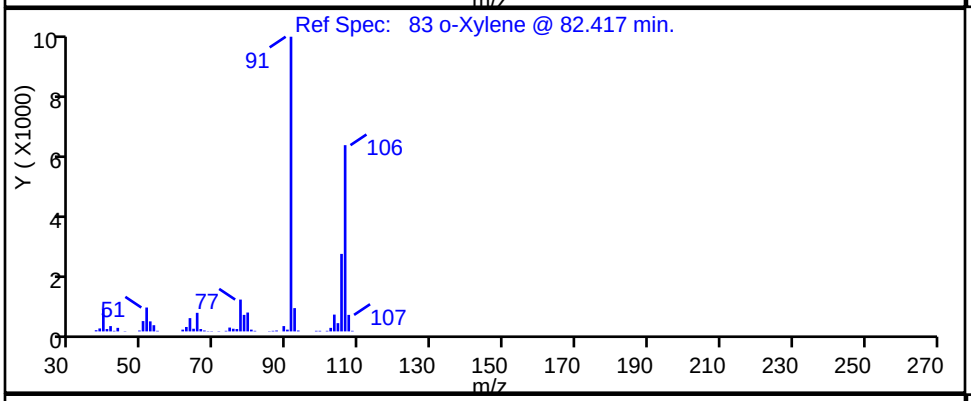
83 o-Xylene, CAS: 95-47-6

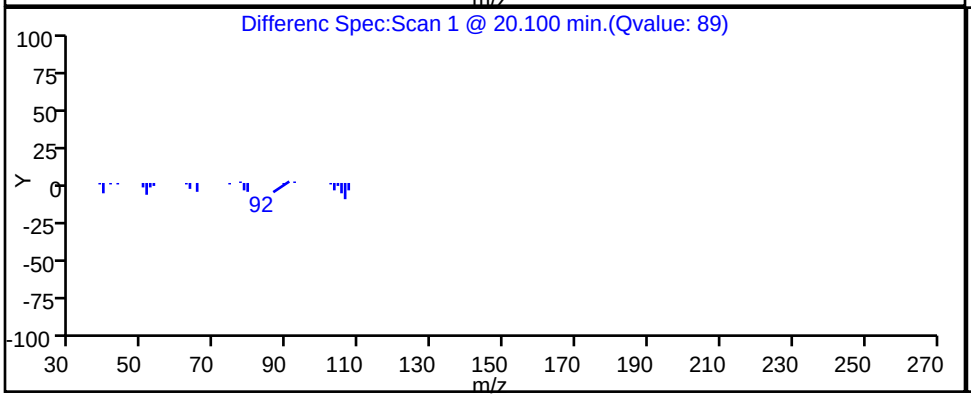


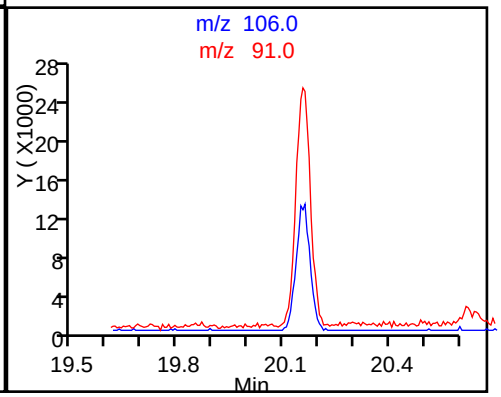










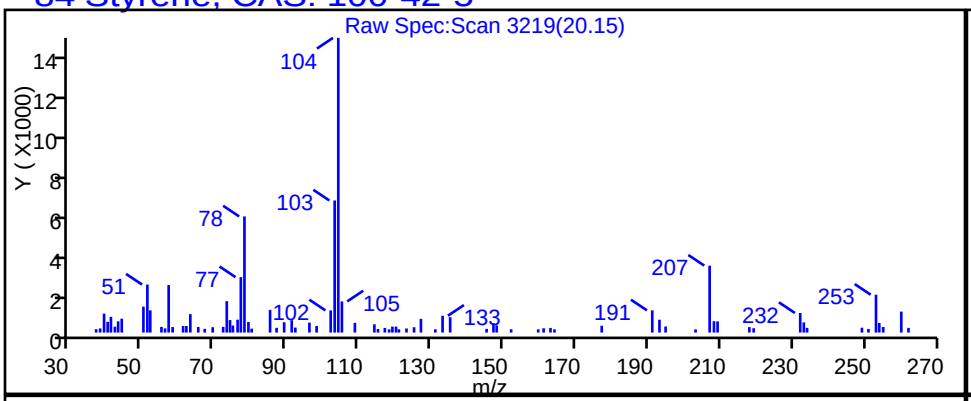


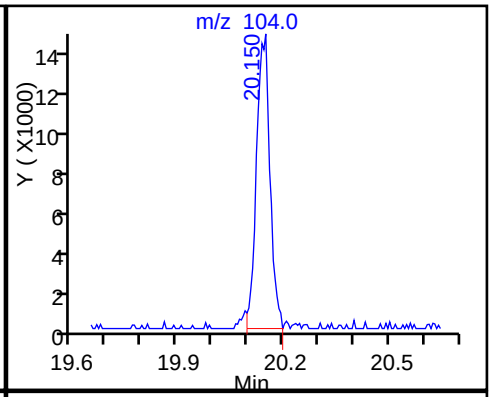
Report Date: 24-Feb-2014 11:53:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

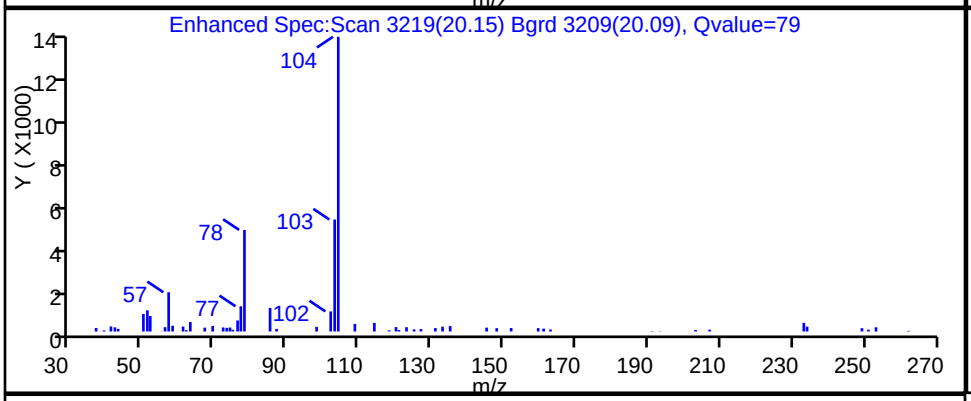
TestAmerica Burlington

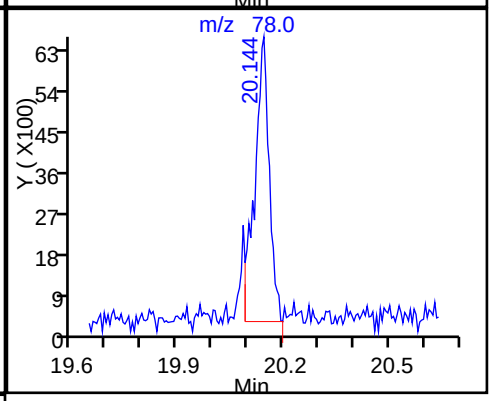
Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D				
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

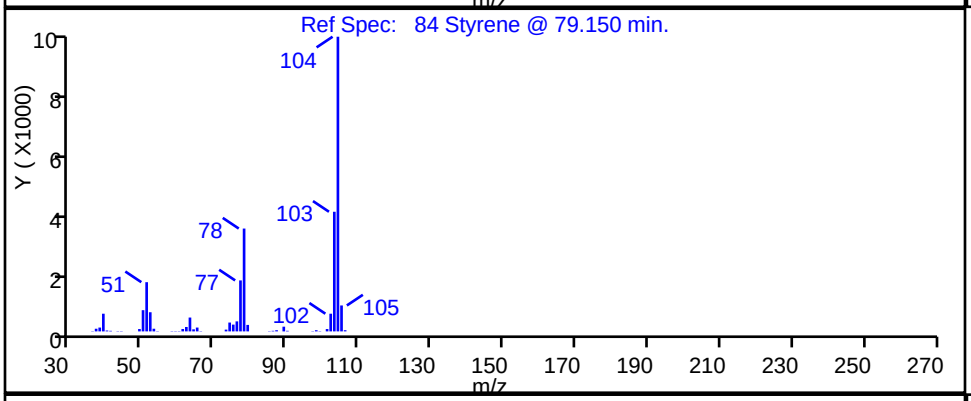
84 Styrene, CAS: 100-42-5

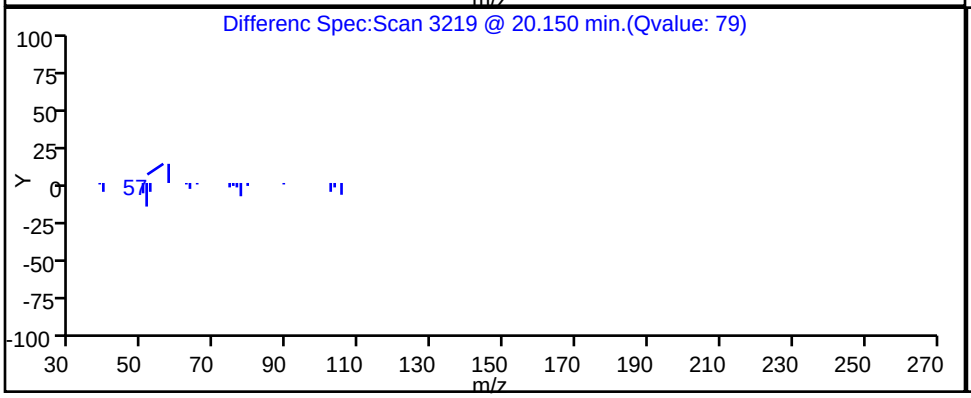


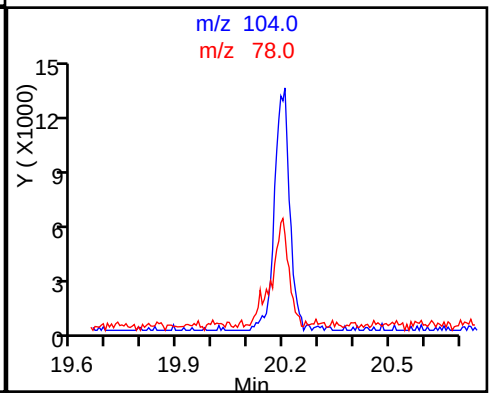












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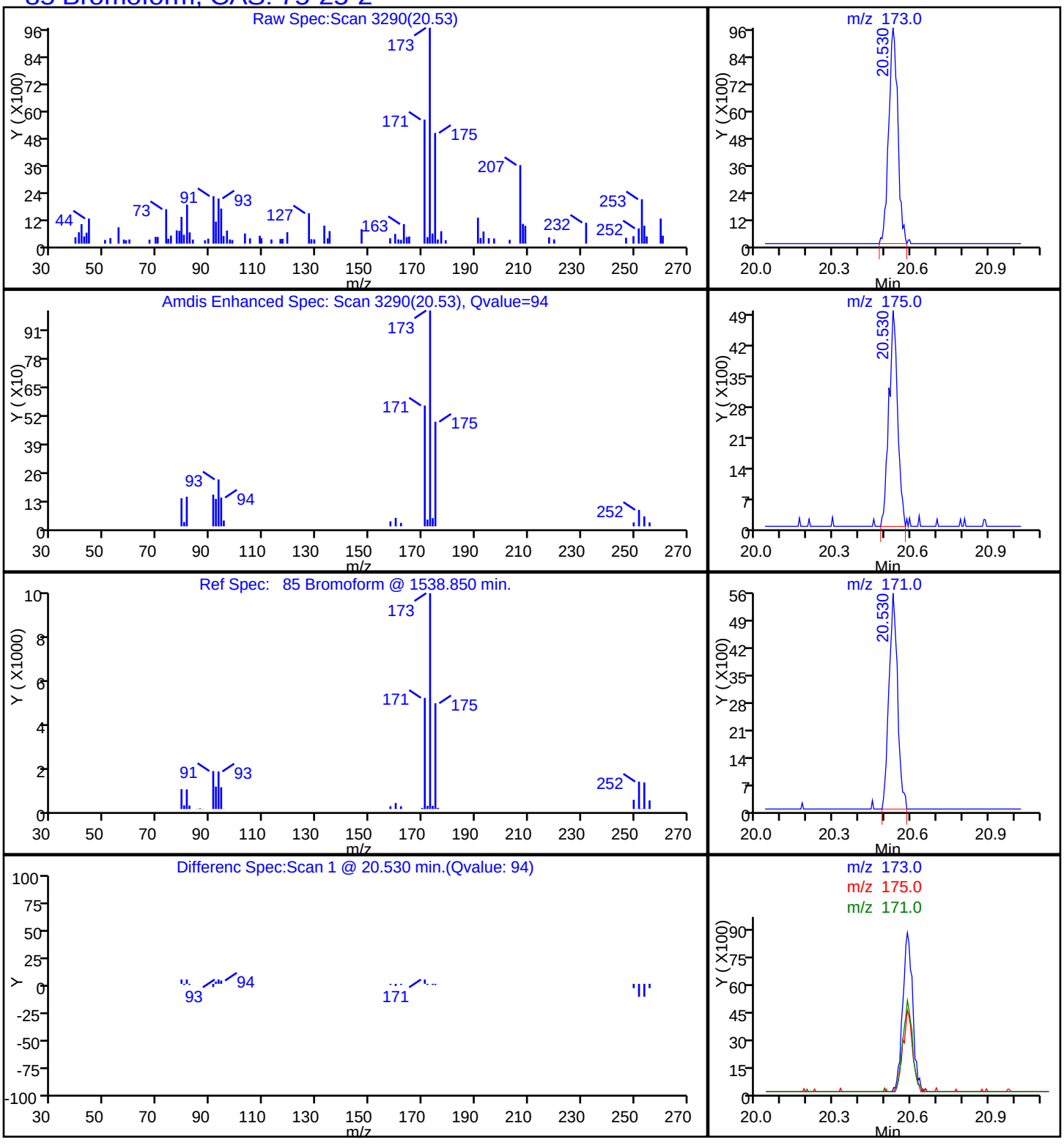
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

85 Bromoform, CAS: 75-25-2



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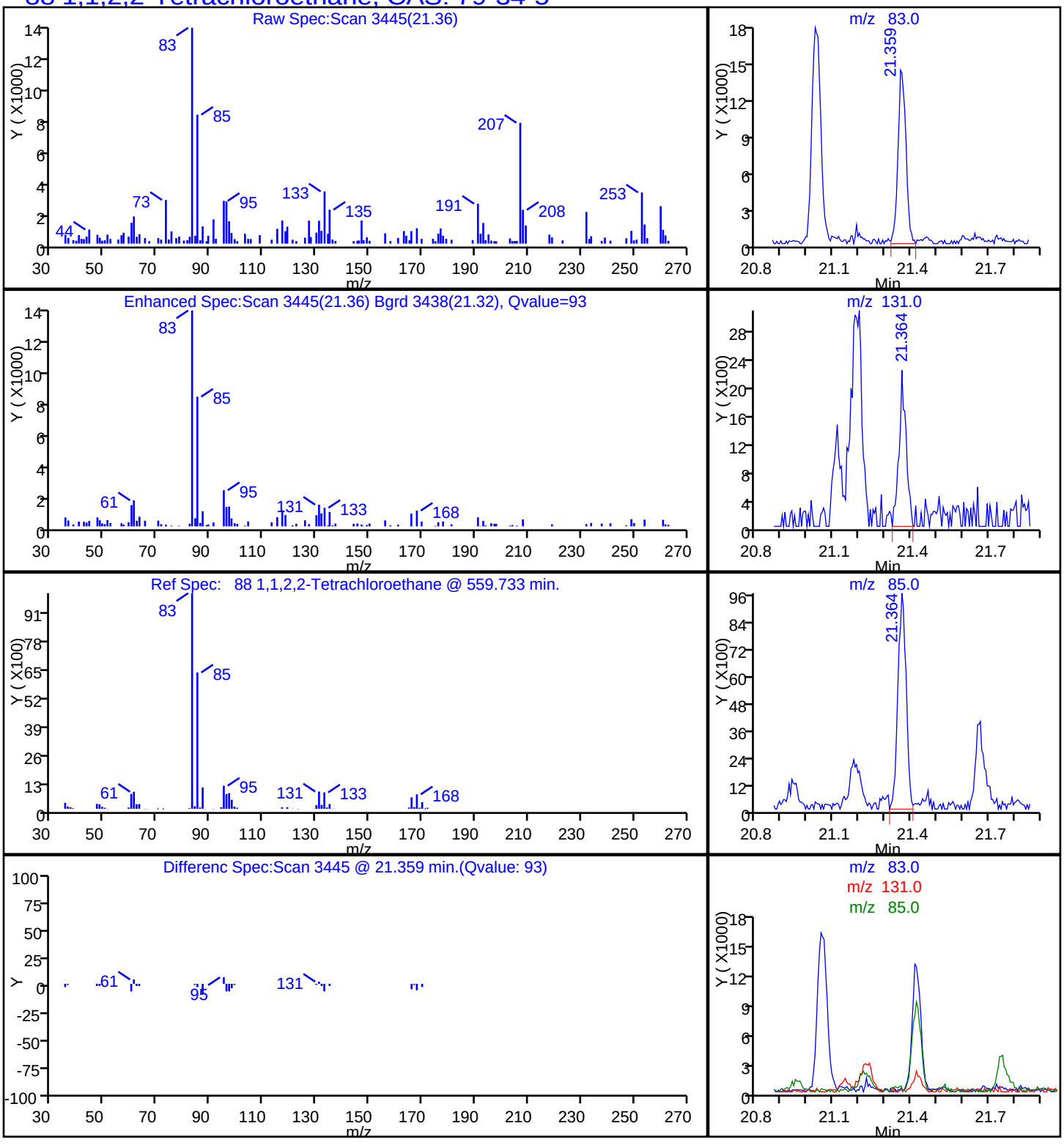
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

88 1,1,2,2-Tetrachloroethane, CAS: 79-34-5



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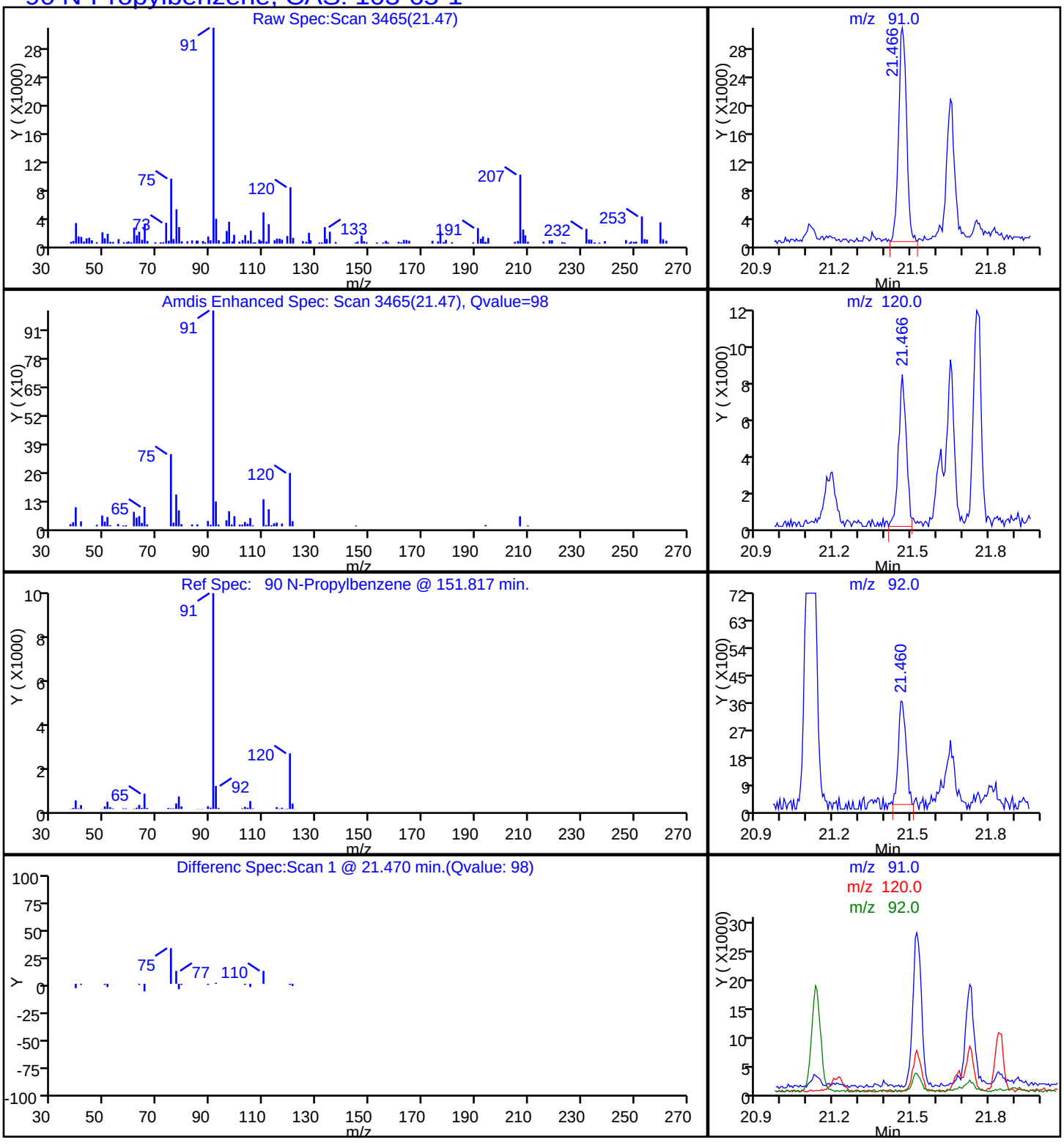
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

90 N-Propylbenzene, CAS: 103-65-1



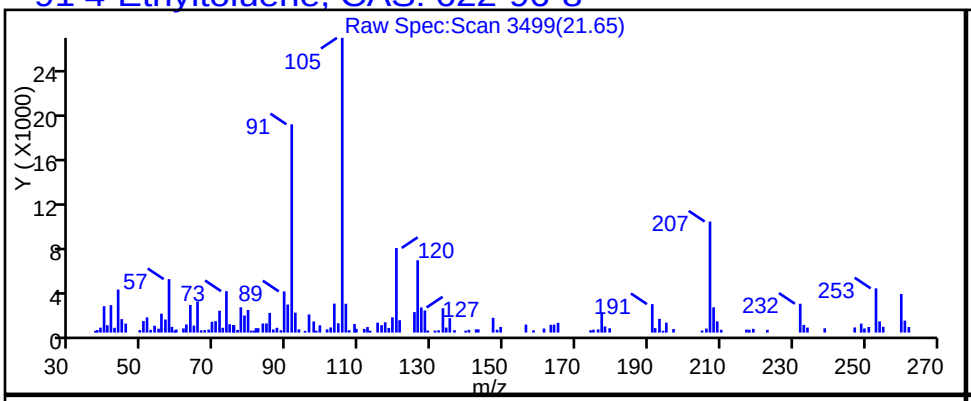
Report Date: 24-Feb-2014 11:53:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

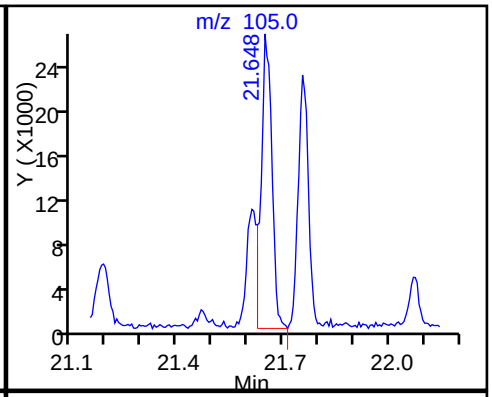
TestAmerica Burlington

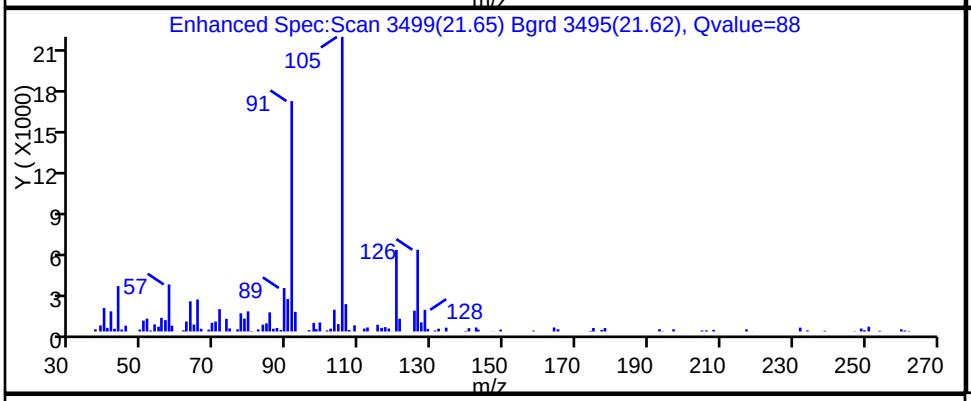
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

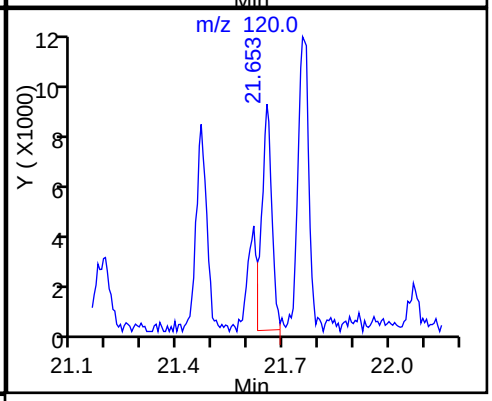
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

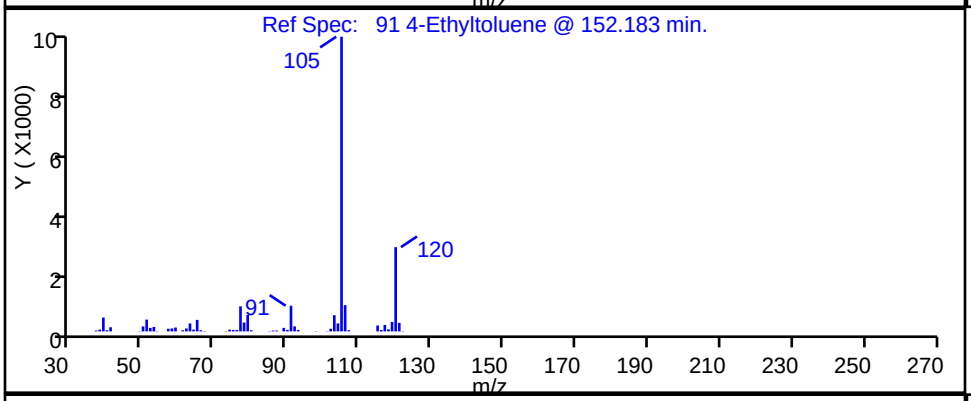
91 4-Ethyltoluene, CAS: 622-96-8

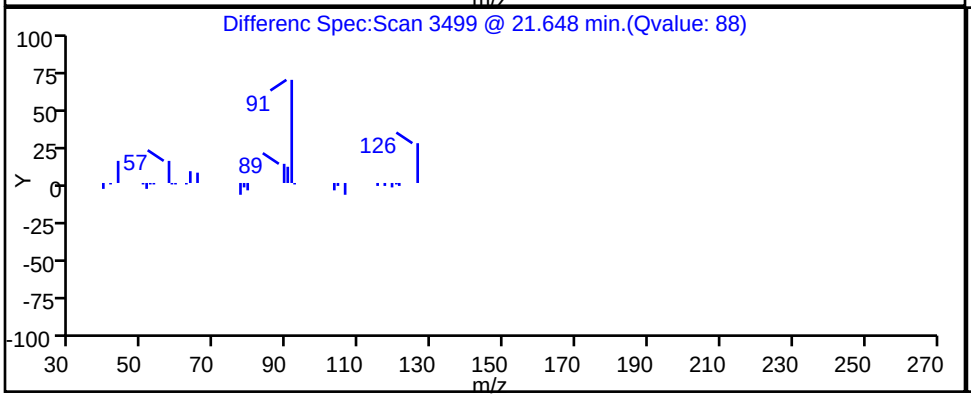


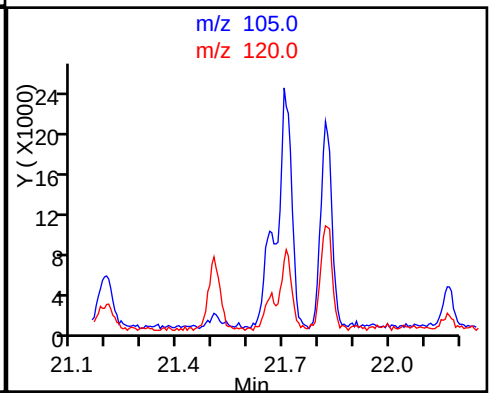










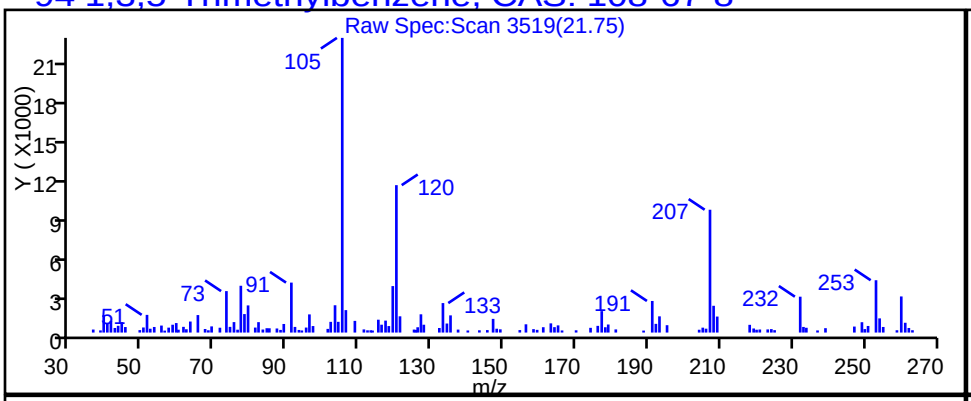


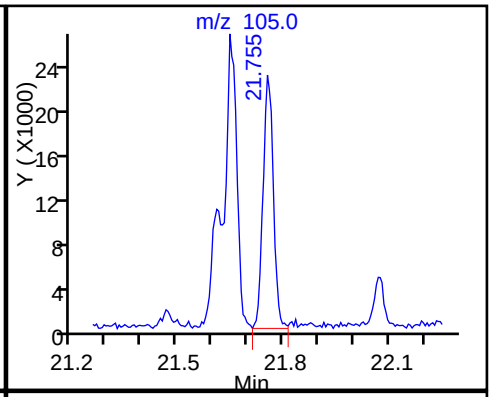
Report Date: 24-Feb-2014 11:53:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

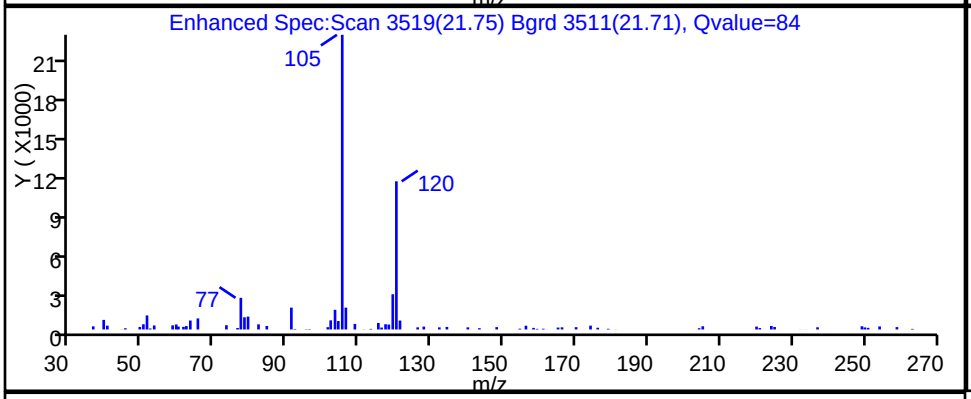
TestAmerica Burlington

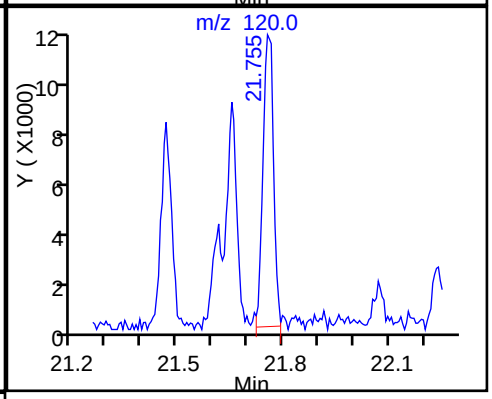
Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D				
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

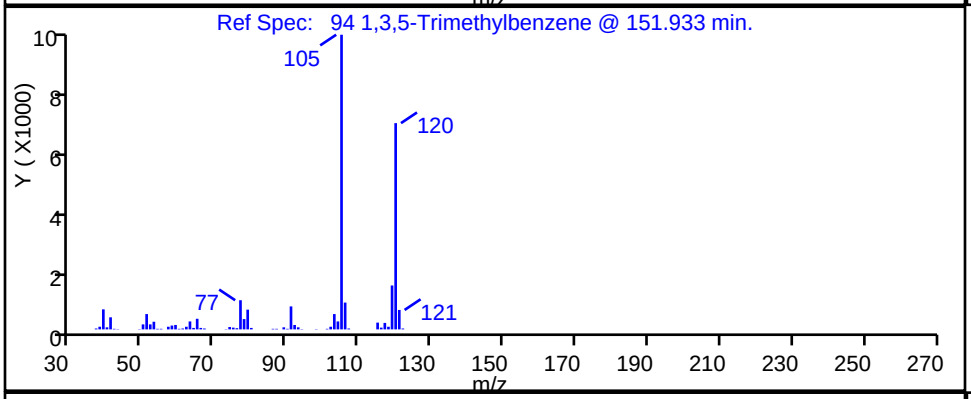
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

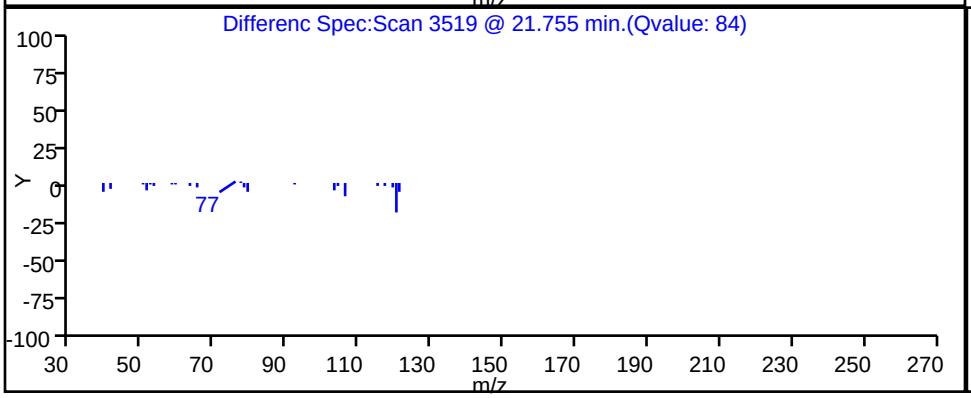


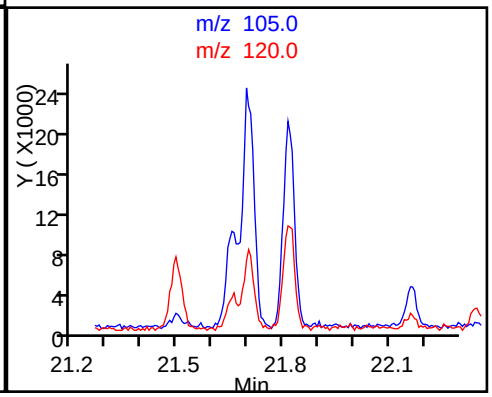












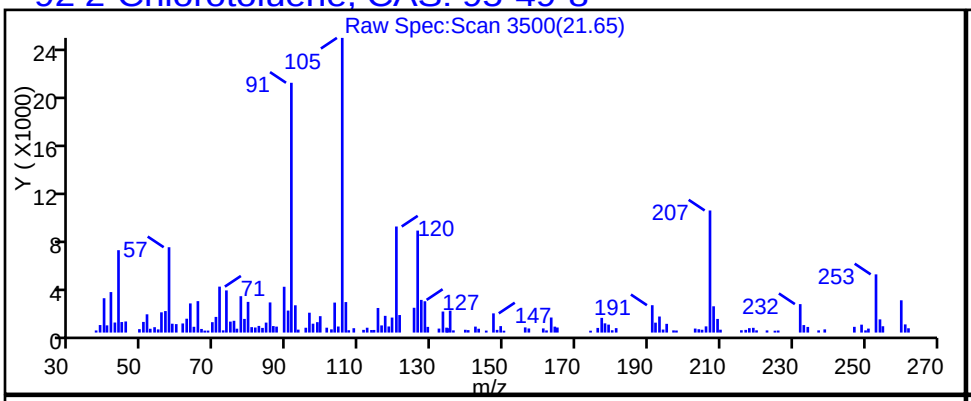
Report Date: 24-Feb-2014 11:53:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

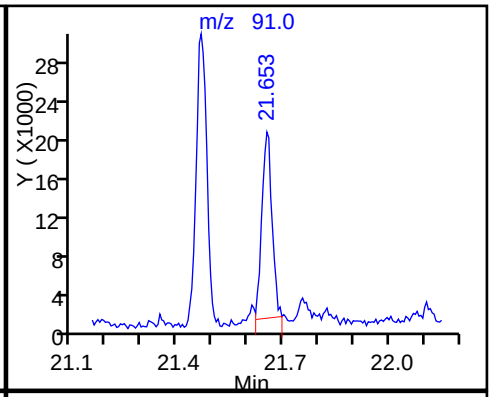
TestAmerica Burlington

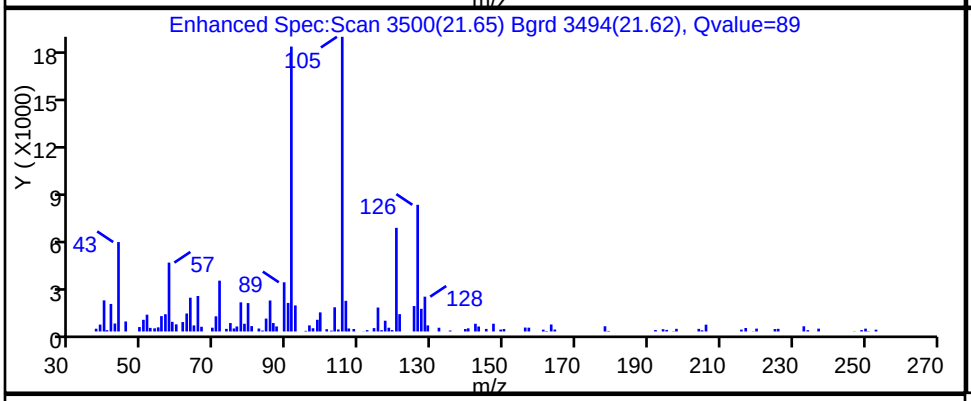
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

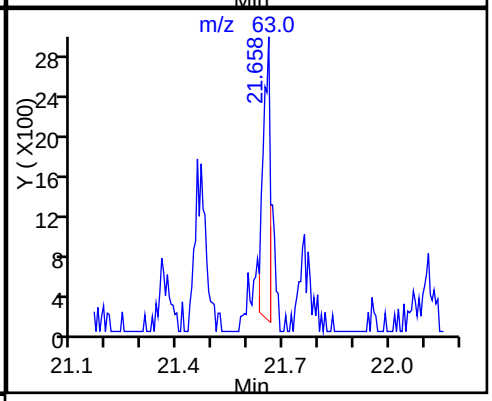
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

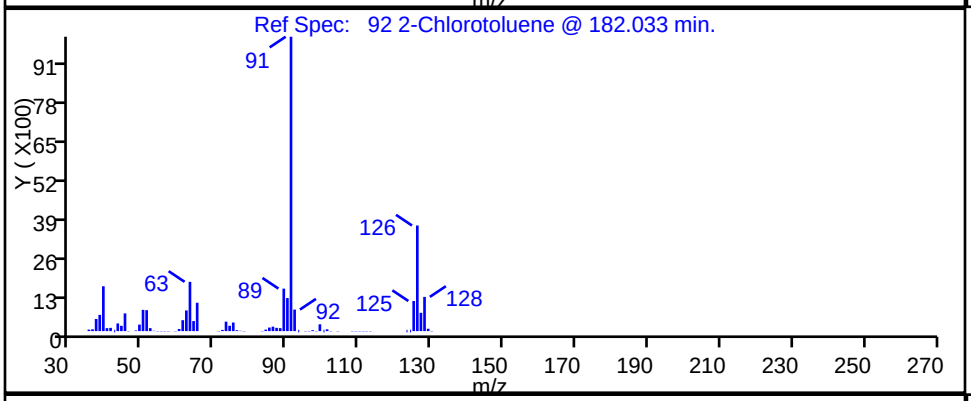
92 2-Chlorotoluene, CAS: 95-49-8

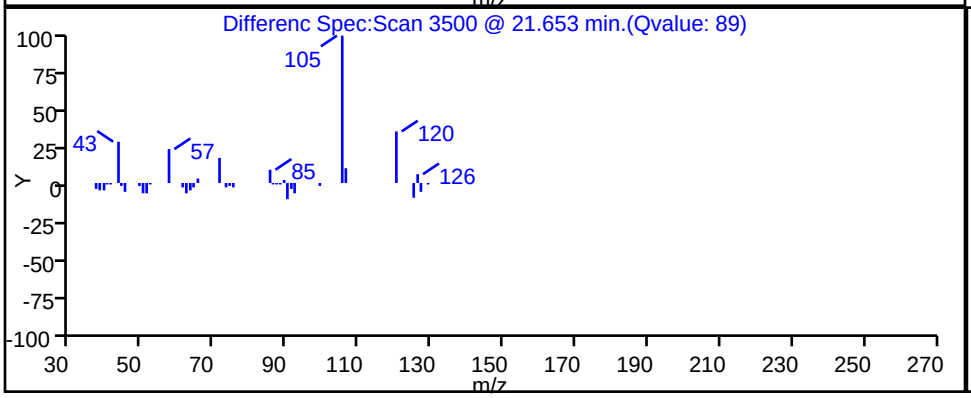


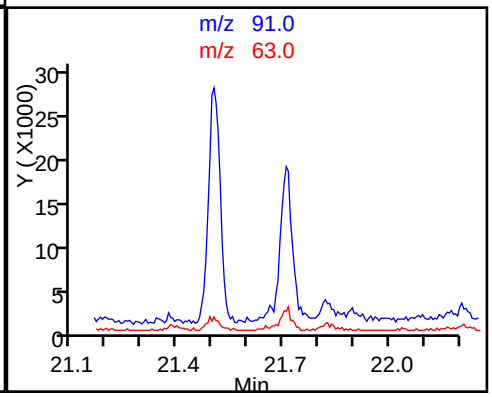












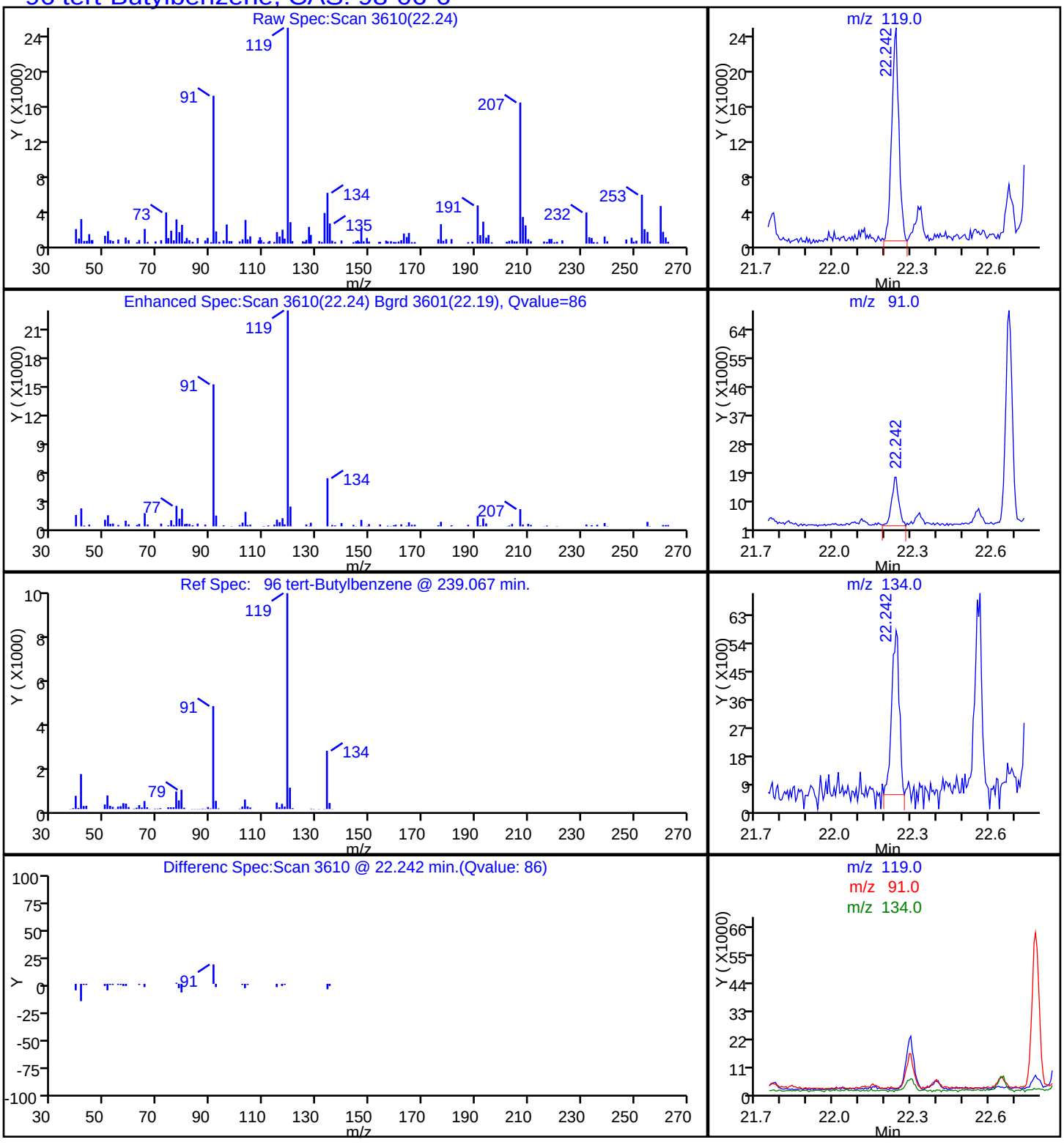
Report Date: 24-Feb-2014 11:53:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

96 tert-Butylbenzene, CAS: 98-06-6



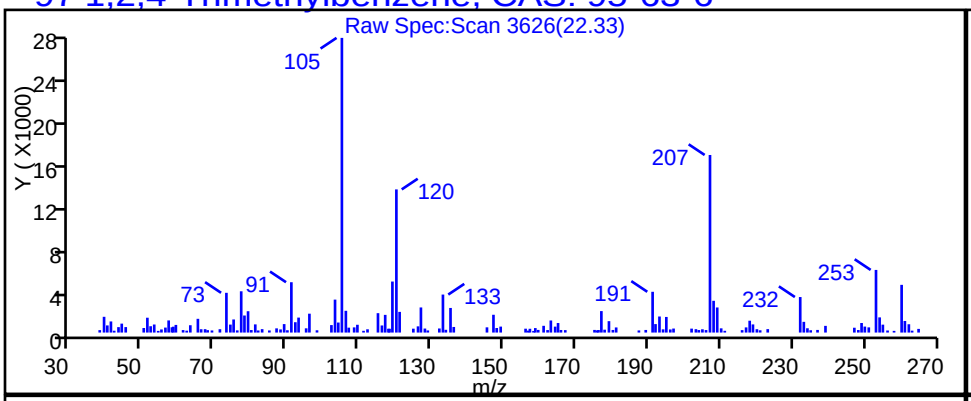
Report Date: 24-Feb-2014 11:53:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

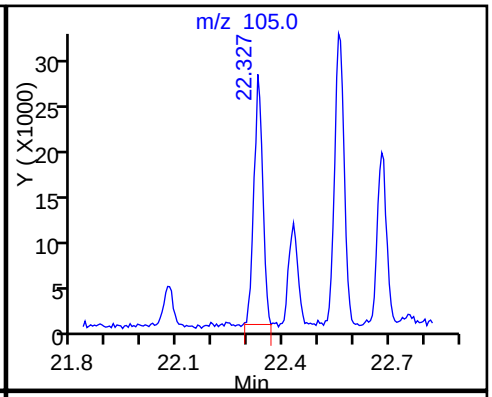
TestAmerica Burlington

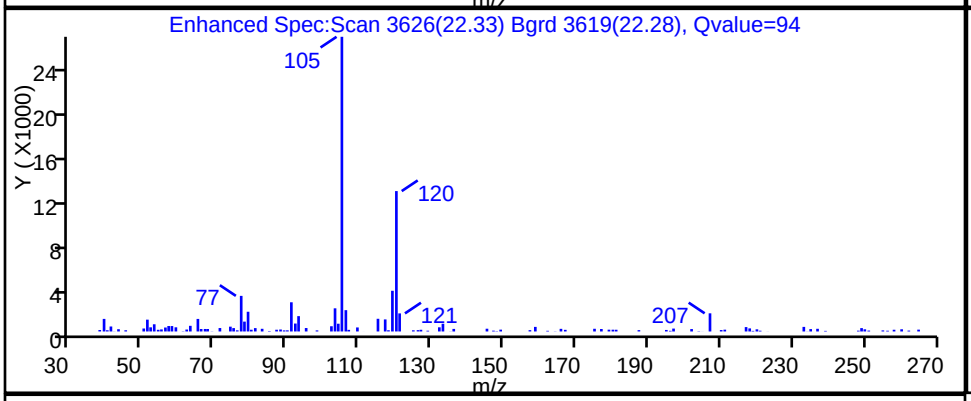
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

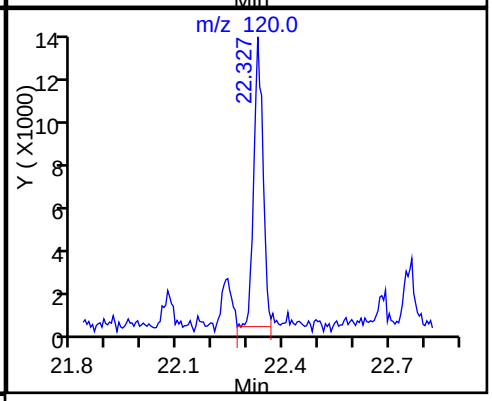
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

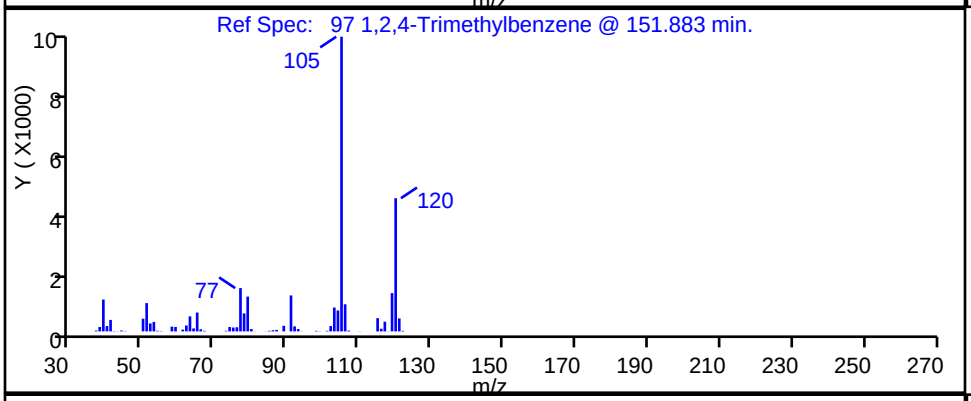
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

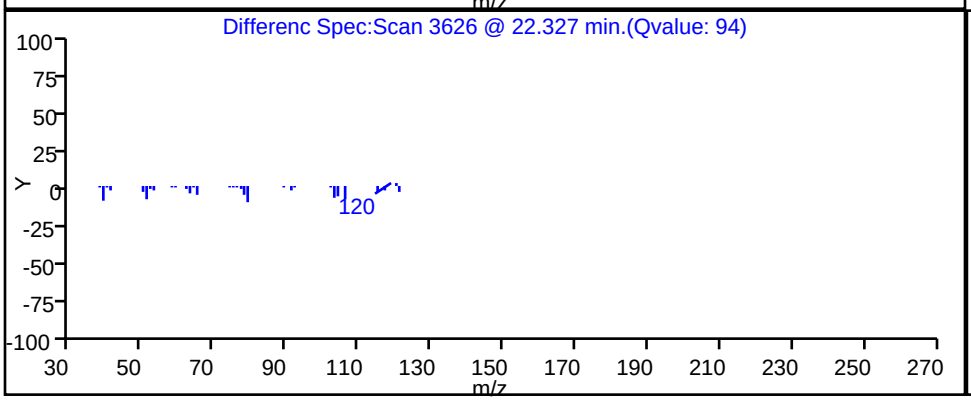


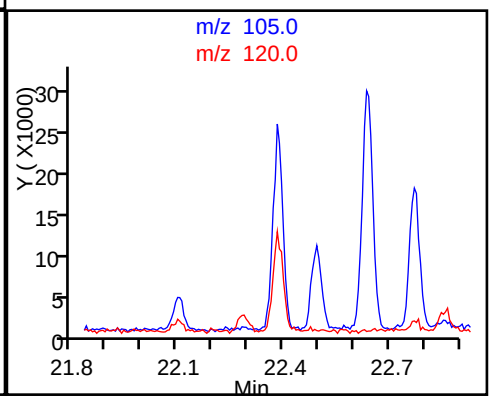












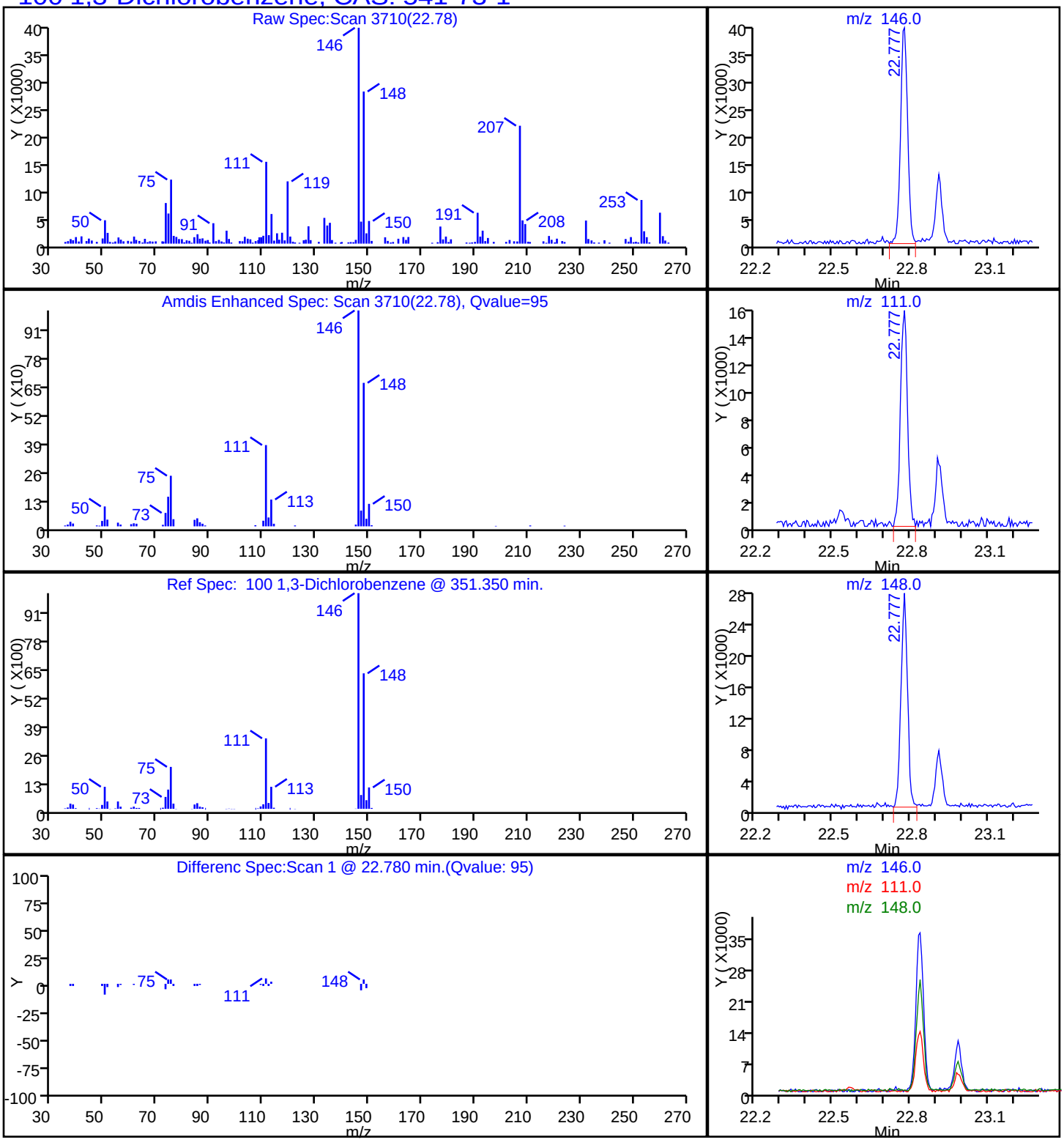
Report Date: 24-Feb-2014 11:53:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



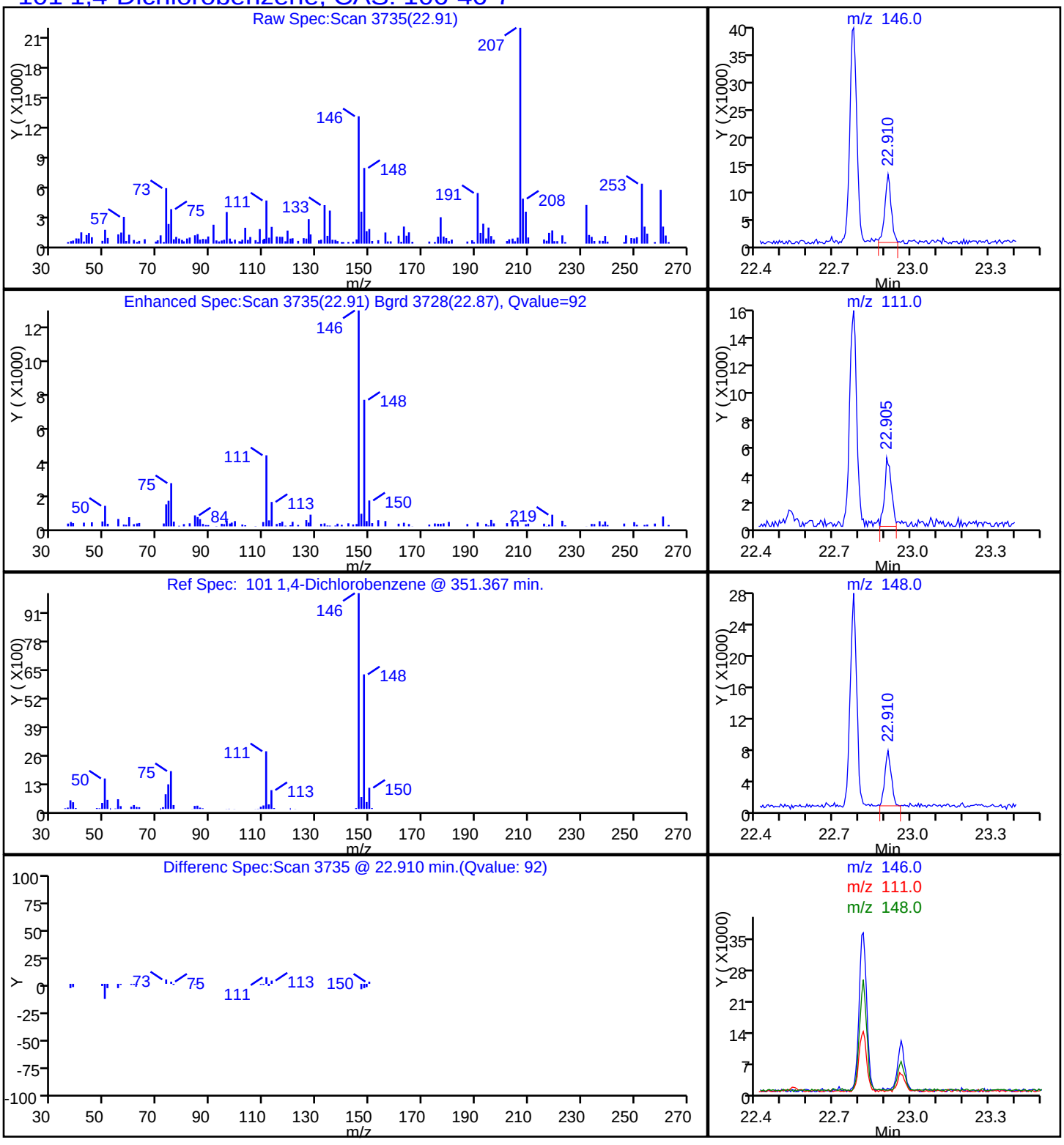
Report Date: 24-Feb-2014 11:53:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

101 1,4-Dichlorobenzene, CAS: 106-46-7



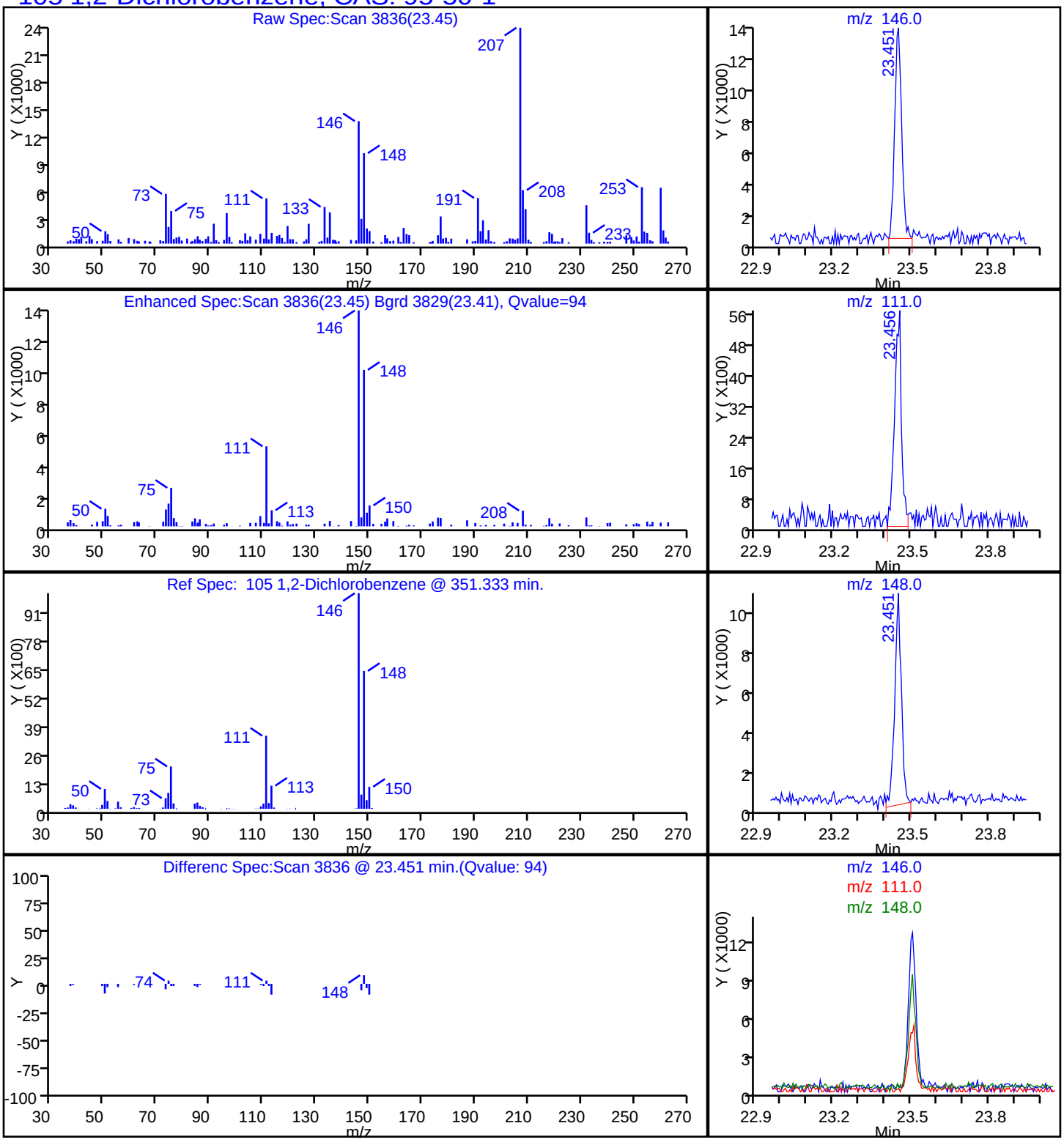
Report Date: 24-Feb-2014 11:53:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D

Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

105 1,2-Dichlorobenzene, CAS: 95-50-1



Manual Integration/User Assign Peak Report

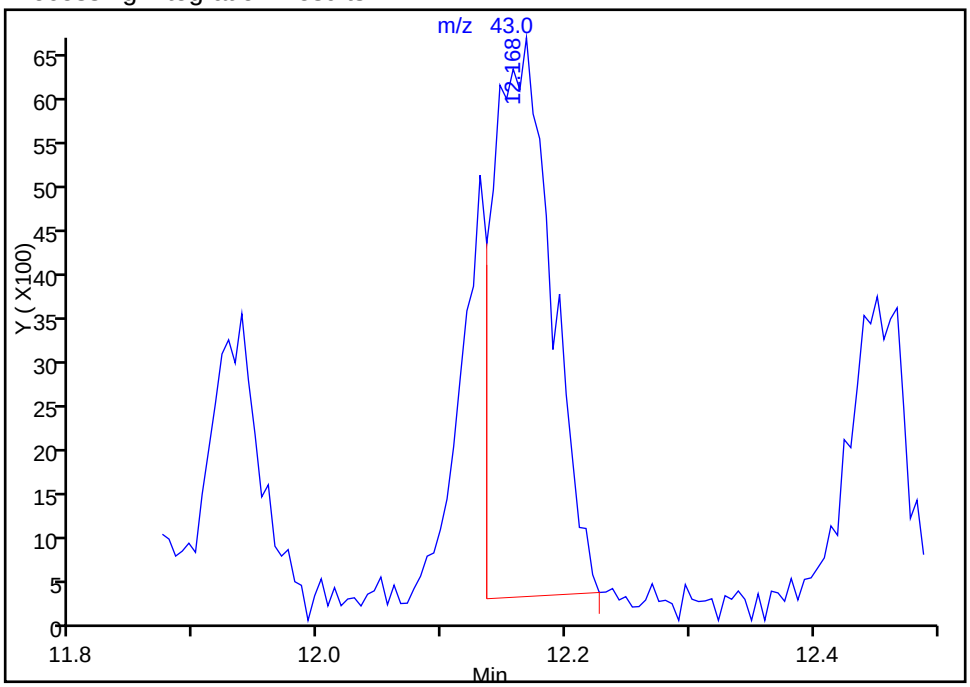
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D				
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

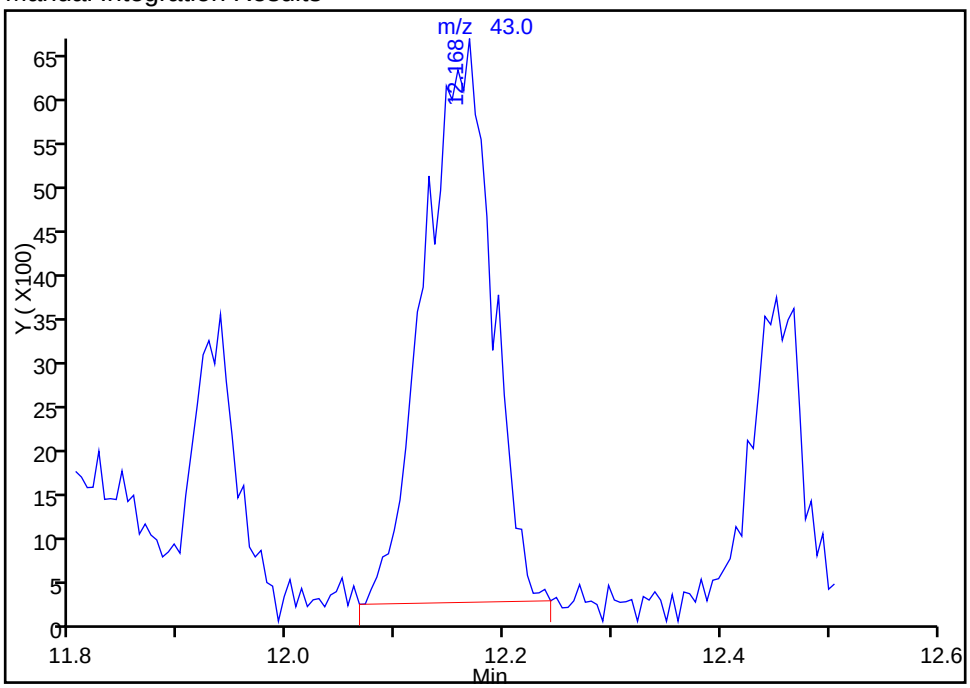
Processing Integration Results

RT: 12.17
Response: 21077
Amount: 0.183709



Manual Integration Results

RT: 12.17
Response: 27902
Amount: 0.243196



Reviewer: lyonsb, 24-Feb-2014 11:52:28
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

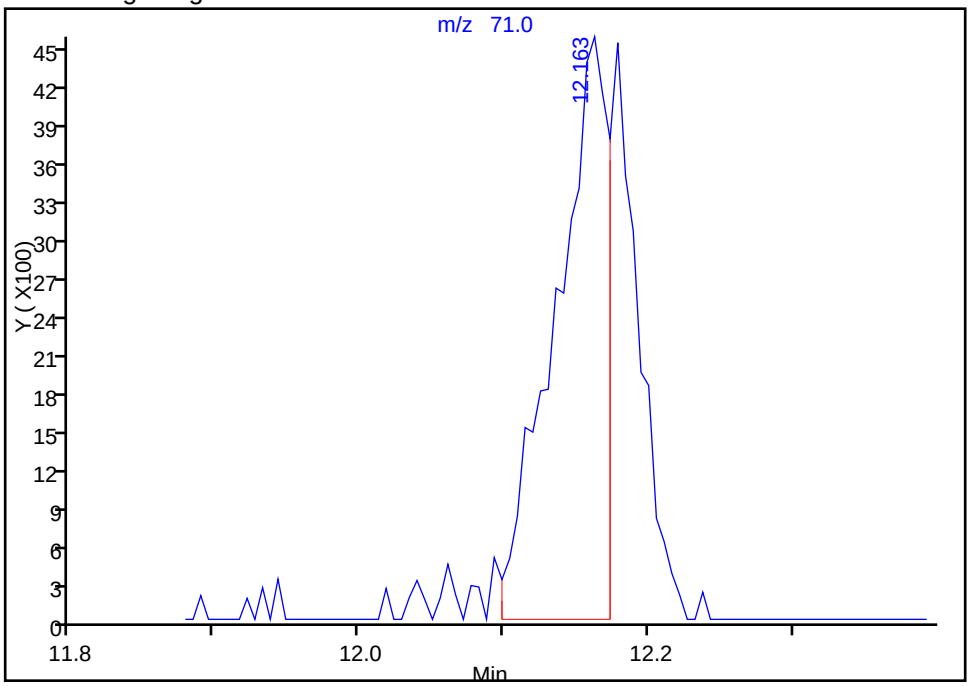
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_016.D				
Injection Date:	21-Feb-2014 23:08:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-2	Lab Sample ID:	200-20955-2		
Client ID:	SS-VMP-1B				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

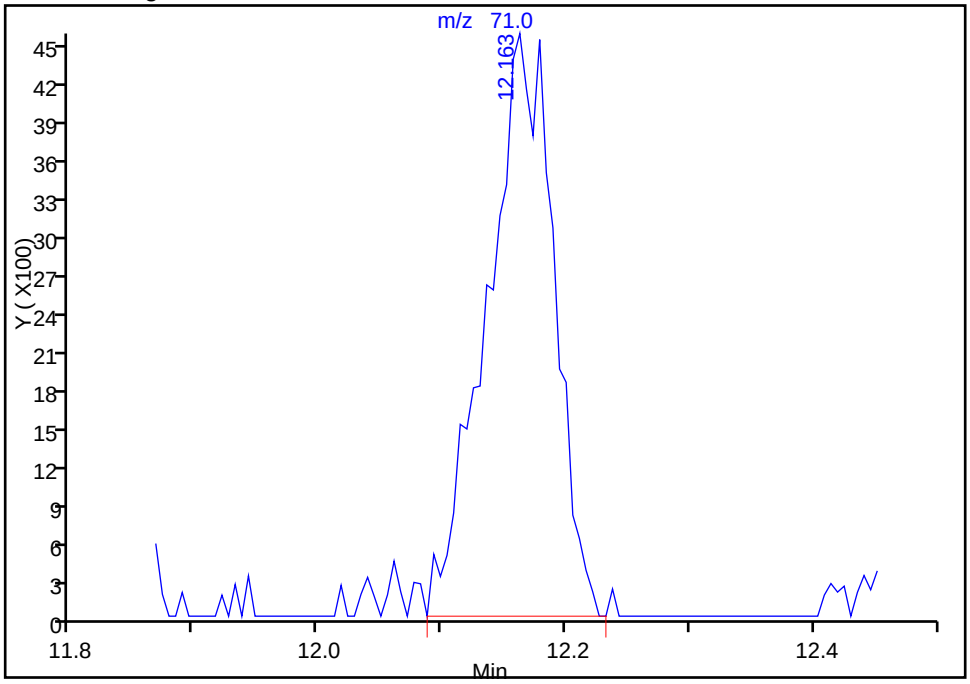
Processing Integration Results

RT: 12.16
Response: 11599
Amount: 0.183709



Manual Integration Results

RT: 12.16
Response: 17055
Amount: 0.243196



Reviewer: lyonsb, 24-Feb-2014 11:52:28
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-2B Lab Sample ID: 200-20955-4

Matrix: Air Lab File ID: 6267_017.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:21

Sample wt/vol: 80(mL) Date Analyzed: 02/21/2014 23:55

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	27		1.3	0.075
75-45-6	Freon 22	86.47	0.32	J	1.3	0.12
76-14-2	Freon-114	170.92	0.50	U	0.50	0.088
74-87-3	Chloromethane	50.49	1.3	U	1.3	0.34
106-97-8	n-Butane	58.12	1.3	U	1.3	0.71
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.095
106-99-0	1,3-Butadiene	54.09	0.50	U	0.50	0.11
74-83-9	Bromomethane	94.94	0.50	U	0.50	0.070
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.075
593-60-2	Vinyl bromide	106.96	0.50	U	0.50	0.075
75-69-4	Freon 11	137.37	0.82		0.50	0.075
76-13-1	Freon 113	187.38	0.54		0.50	0.045
75-35-4	1,1-Dichloroethene	96.94	0.50	U	0.50	0.060
67-64-1	Acetone	58.08	15		13	3.1
67-63-0	Isopropyl alcohol	60.10	630	E	13	0.54
75-15-0	Carbon disulfide	76.14	1.3	U	1.3	0.17
107-05-1	Allyl chloride	76.53	1.3	U	1.3	0.085
75-09-2	Methylene Chloride	84.93	0.57	J	1.3	0.31
75-65-0	tert-Butyl alcohol	74.12	13	U	13	0.82
1634-04-4	Methyl tert-butyl ether	88.15	0.50	U	0.50	0.055
156-60-5	trans-1,2-Dichloroethene	96.94	0.50	U	0.50	0.073
110-54-3	Hexane	86.17	0.21	J	0.50	0.085
75-34-3	1,1-Dichloroethane	98.96	0.13	J	0.50	0.095
78-93-3	Methyl Ethyl Ketone	72.11	19		1.3	0.61
156-59-2	cis-1,2-Dichloroethene	96.94	0.50	U	0.50	0.095
540-59-0	1,2-Dichloroethene, Total	96.94	0.50	U	0.50	0.16
67-66-3	Chloroform	119.38	0.23	J	0.50	0.063
109-99-9	Tetrahydrofuran	72.11	1.0	J	13	0.12
71-55-6	1,1,1-Trichloroethane	133.41	13		0.50	0.053
110-82-7	Cyclohexane	84.16	9.3		0.50	0.063
56-23-5	Carbon tetrachloride	153.81	0.10	U	0.10	0.053
540-84-1	2,2,4-Trimethylpentane	114.23	0.50	U	0.50	0.068
71-43-2	Benzene	78.11	0.29	J	0.50	0.048
107-06-2	1,2-Dichloroethane	98.96	0.50	U	0.50	0.043
142-82-5	Heptane	100.21	0.50	U	0.50	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-2B Lab Sample ID: 200-20955-4

Matrix: Air Lab File ID: 6267_017.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:21

Sample wt/vol: 80(mL) Date Analyzed: 02/21/2014 23:55

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	4.2		0.10	0.060
80-62-6	Methyl methacrylate	100.12	1.3	U	1.3	0.075
78-87-5	1,2-Dichloropropane	112.99	0.50	U	0.50	0.080
123-91-1	1,4-Dioxane	88.11	13	U	13	0.50
75-27-4	Bromodichloromethane	163.83	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	110.97	0.50	U	0.50	0.070
108-10-1	methyl isobutyl ketone	100.16	1.3	U	1.3	0.068
108-88-3	Toluene	92.14	0.85		0.50	0.043
10061-02-6	trans-1,3-Dichloropropene	110.97	0.50	U	0.50	0.055
79-00-5	1,1,2-Trichloroethane	133.41	0.50	U	0.50	0.043
127-18-4	Tetrachloroethene	165.83	0.36	J	0.50	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.3	U	1.3	0.50
124-48-1	Dibromochloromethane	208.29	0.50	U	0.50	0.050
106-93-4	1,2-Dibromoethane	187.87	0.50	U	0.50	0.050
108-90-7	Chlorobenzene	112.56	0.14	J	0.50	0.020
100-41-4	Ethylbenzene	106.17	0.18	J	0.50	0.033
179601-23-1	m,p-Xylene	106.17	0.30	J	1.3	0.058
95-47-6	Xylene, o-	106.17	0.12	J	0.50	0.040
1330-20-7	Xylene (total)	106.17	0.42	J	0.50	0.085
100-42-5	Styrene	104.15	0.39	J	0.50	0.045
75-25-2	Bromoform	252.75	0.50	U	0.50	0.025
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.50	U	0.50	0.040
103-65-1	n-Propylbenzene	120.19	0.50	U	0.50	0.20
622-96-8	4-Ethyltoluene	120.20	0.075	J	0.50	0.045
108-67-8	1,3,5-Trimethylbenzene	120.20	0.059	J	0.50	0.030
95-49-8	2-Chlorotoluene	126.59	0.50	U	0.50	0.033
98-06-6	tert-Butylbenzene	134.22	0.50	U	0.50	0.043
95-63-6	1,2,4-Trimethylbenzene	120.20	0.16	J	0.50	0.035
135-98-8	sec-Butylbenzene	134.22	0.50	U	0.50	0.20
99-87-6	4-Isopropyltoluene	134.22	0.50	U	0.50	0.20
541-73-1	1,3-Dichlorobenzene	147.00	0.47	J	0.50	0.035
106-46-7	1,4-Dichlorobenzene	147.00	0.50	U	0.50	0.035
100-44-7	Benzyl chloride	126.58	0.50	U	0.50	0.20
104-51-8	n-Butylbenzene	134.22	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-2B Lab Sample ID: 200-20955-4

Matrix: Air Lab File ID: 6267_017.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:21

Sample wt/vol: 80(mL) Date Analyzed: 02/21/2014 23:55

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.50	U	0.50	0.035
120-82-1	1,2,4-Trichlorobenzene	181.45	1.3	U	1.3	0.068
87-68-3	Hexachloro-1,3-butadiene	260.76	0.50	U	0.50	0.055
91-20-3	Naphthalene	128.17	1.3	U	1.3	0.50

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-2B Lab Sample ID: 200-20955-4

Matrix: Air Lab File ID: 6267_017.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:21

Sample wt/vol: 80(mL) Date Analyzed: 02/21/2014 23:55

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	130		6.2	0.37
75-45-6	Freon 22	86.47	1.1	J	4.4	0.42
76-14-2	Freon-114	170.92	3.5	U	3.5	0.61
74-87-3	Chloromethane	50.49	2.6	U	2.6	0.70
106-97-8	n-Butane	58.12	3.0	U	3.0	1.7
75-01-4	Vinyl chloride	62.50	0.26	U	0.26	0.24
106-99-0	1,3-Butadiene	54.09	1.1	U	1.1	0.23
74-83-9	Bromomethane	94.94	1.9	U	1.9	0.27
75-00-3	Chloroethane	64.52	3.3	U	3.3	0.20
593-60-2	Vinyl bromide	106.96	2.2	U	2.2	0.33
75-69-4	Freon 11	137.37	4.6		2.8	0.42
76-13-1	Freon 113	187.38	4.1		3.8	0.34
75-35-4	1,1-Dichloroethene	96.94	2.0	U	2.0	0.24
67-64-1	Acetone	58.08	36		30	7.4
67-63-0	Isopropyl alcohol	60.10	1500	E	31	1.3
75-15-0	Carbon disulfide	76.14	3.9	U	3.9	0.51
107-05-1	Allyl chloride	76.53	3.9	U	3.9	0.27
75-09-2	Methylene Chloride	84.93	2.0	J	4.3	1.1
75-65-0	tert-Butyl alcohol	74.12	38	U	38	2.5
1634-04-4	Methyl tert-butyl ether	88.15	1.8	U	1.8	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	2.0	U	2.0	0.29
110-54-3	Hexane	86.17	0.75	J	1.8	0.30
75-34-3	1,1-Dichloroethane	98.96	0.51	J	2.0	0.38
78-93-3	Methyl Ethyl Ketone	72.11	56		3.7	1.8
156-59-2	cis-1,2-Dichloroethene	96.94	2.0	U	2.0	0.38
540-59-0	1,2-Dichloroethene, Total	96.94	2.0	U	2.0	0.63
67-66-3	Chloroform	119.38	1.1	J	2.4	0.31
109-99-9	Tetrahydrofuran	72.11	3.0	J	37	0.34
71-55-6	1,1,1-Trichloroethane	133.41	72		2.7	0.29
110-82-7	Cyclohexane	84.16	32		1.7	0.22
56-23-5	Carbon tetrachloride	153.81	0.63	U	0.63	0.33
540-84-1	2,2,4-Trimethylpentane	114.23	2.3	U	2.3	0.32
71-43-2	Benzene	78.11	0.92	J	1.6	0.15
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	0.17
142-82-5	Heptane	100.21	2.0	U	2.0	0.47

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-2B Lab Sample ID: 200-20955-4

Matrix: Air Lab File ID: 6267_017.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:21

Sample wt/vol: 80(mL) Date Analyzed: 02/21/2014 23:55

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	23		0.54	0.32
80-62-6	Methyl methacrylate	100.12	5.1	U	5.1	0.31
78-87-5	1,2-Dichloropropane	112.99	2.3	U	2.3	0.37
123-91-1	1,4-Dioxane	88.11	45	U	45	1.8
75-27-4	Bromodichloromethane	163.83	3.4	U	3.4	0.28
10061-01-5	cis-1,3-Dichloropropene	110.97	2.3	U	2.3	0.32
108-10-1	methyl isobutyl ketone	100.16	5.1	U	5.1	0.28
108-88-3	Toluene	92.14	3.2		1.9	0.16
10061-02-6	trans-1,3-Dichloropropene	110.97	2.3	U	2.3	0.25
79-00-5	1,1,2-Trichloroethane	133.41	2.7	U	2.7	0.23
127-18-4	Tetrachloroethene	165.83	2.4	J	3.4	0.27
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.1	U	5.1	2.0
124-48-1	Dibromochloromethane	208.29	4.3	U	4.3	0.43
106-93-4	1,2-Dibromoethane	187.87	3.8	U	3.8	0.38
108-90-7	Chlorobenzene	112.56	0.64	J	2.3	0.093
100-41-4	Ethylbenzene	106.17	0.78	J	2.2	0.14
179601-23-1	m,p-Xylene	106.17	1.3	J	5.4	0.25
95-47-6	Xylene, o-	106.17	0.53	J	2.2	0.17
1330-20-7	Xylene (total)	106.17	1.8	J	2.2	0.37
100-42-5	Styrene	104.15	1.7	J	2.1	0.19
75-25-2	Bromoform	252.75	5.2	U	5.2	0.26
79-34-5	1,1,2,2-Tetrachloroethane	167.85	3.4	U	3.4	0.27
103-65-1	n-Propylbenzene	120.19	2.5	U	2.5	0.98
622-96-8	4-Ethyltoluene	120.20	0.37	J	2.5	0.22
108-67-8	1,3,5-Trimethylbenzene	120.20	0.29	J	2.5	0.15
95-49-8	2-Chlorotoluene	126.59	2.6	U	2.6	0.17
98-06-6	tert-Butylbenzene	134.22	2.7	U	2.7	0.23
95-63-6	1,2,4-Trimethylbenzene	120.20	0.79	J	2.5	0.17
135-98-8	sec-Butylbenzene	134.22	2.7	U	2.7	1.1
99-87-6	4-Isopropyltoluene	134.22	2.7	U	2.7	1.1
541-73-1	1,3-Dichlorobenzene	147.00	2.8	J	3.0	0.21
106-46-7	1,4-Dichlorobenzene	147.00	3.0	U	3.0	0.21
100-44-7	Benzyl chloride	126.58	2.6	U	2.6	1.0
104-51-8	n-Butylbenzene	134.22	2.7	U	2.7	1.1

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-2B Lab Sample ID: 200-20955-4

Matrix: Air Lab File ID: 6267_017.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:21

Sample wt/vol: 80(mL) Date Analyzed: 02/21/2014 23:55

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	3.0	U	3.0	0.21
120-82-1	1,2,4-Trichlorobenzene	181.45	9.3	U	9.3	0.50
87-68-3	Hexachloro-1,3-butadiene	260.76	5.3	U	5.3	0.59
91-20-3	Naphthalene	128.17	6.6	U	6.6	2.6

Report Date: 24-Feb-2014 11:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D
Lims ID: 200-20955-A-4 Lab Sample ID: 200-20955-4
Client ID: SS-VMP-2B
Sample Type: Client
Inject. Date: 21-Feb-2014 23:55:30 ALS Bottle#: 14 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 2.5000
Sample Info: 200-0006267-017
Misc. Info.: 20955-4
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:38:08 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: lyonsb Date: 24-Feb-2014 10:43:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	99	2318299	10.8	
6 Chlorodifluoromethane	51	3.181	3.181	0.001	44	10473	0.1295	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.405					
8 Chloromethane	50		3.539					
9 Butane	43		3.758					
10 Vinyl chloride	62		3.796					
11 Butadiene	54		3.876					
12 Bromomethane	94		4.577					
14 Chloroethane	64		4.828					
16 Vinyl bromide	106		5.229					
17 Trichlorofluoromethane	101	5.347	5.347	0.0	94	80172	0.3266	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.471	6.476	-0.005	89	33036	0.2145	
24 1,1-Dichloroethene	96		6.497					
25 Acetone	43	6.722	6.717	0.005	87	362619	6.02	
26 Carbon disulfide	76		6.883					
27 Isopropyl alcohol	45	7.075	7.038	0.037	98	12185977	250.9	E
29 3-Chloro-1-propene	41		7.300					
31 Methylene Chloride	49	7.594	7.599	-0.005	69	11019	0.2276	
32 2-Methyl-2-propanol	59		7.835					
33 Methyl tert-butyl ether	73		8.038					
34 trans-1,2-Dichloroethene	61		8.059					
36 Hexane	57	8.493	8.493	0.0	77	4874	0.0848	
37 1,1-Dichloroethane	63	8.947	8.947	0.0	36	5081	0.0504	
39 cis-1,2-Dichloroethene	96		10.087					
40 2-Butanone (MEK)	72	10.135	10.135	0.0	98	224976	7.53	
S 41 1,2-Dichloroethene, Total	61		10.200					
* 43 Chlorobromomethane	128	10.558	10.563	-0.005	68	684971	10.0	
44 Tetrahydrofuran	42	10.590	10.579	0.011	79	18844	0.4082	
45 Chloroform	83	10.697	10.702	-0.005	48	18012	0.0920	
46 Cyclohexane	84	10.991	10.991	0.0	83	360269	3.72	
47 1,1,1-Trichloroethane	97	11.002	11.002	0.0	95	1210544	5.28	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	48 Carbon tetrachloride	117	11.269	11.269	0.0	54	6102	0.0209		
	50 Benzene	78	11.740	11.740	0.0	86	29735	0.1148		
	51 Isooctane	57		11.761						
	52 1,2-Dichloroethane	62		11.911						
	53 n-Heptane	43		12.168						
*	54 1,4-Difluorobenzene	114	12.623	12.623	0.0	91	3881161	10.0		
	56 Trichloroethene	95	13.110	13.110	0.0	94	309930	1.69		
	58 1,2-Dichloropropane	63		13.682						
	59 Methyl methacrylate	69		13.880						
	60 1,4-Dioxane	88		13.917						
	62 Dichlorobromomethane	83		14.249						
	64 cis-1,3-Dichloropropene	75		15.228						
	65 4-Methyl-2-pentanone (MIBK)	43		15.528						
	66 Toluene	92	15.849	15.849	0.0	93	93748	0.3395		
	70 trans-1,3-Dichloropropene	75		16.437						
	71 1,1,2-Trichloroethane	83		16.812						
	72 Tetrachloroethene	166	16.961	16.961	0.0	95	42312	0.1426		
	73 2-Hexanone	43		17.282						
	74 Chlorodibromomethane	129		17.587						
	75 Ethylene Dibromide	107		17.860						
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	81	3768778	10.0		
	77 Chlorobenzene	112	18.844	18.844	0.0	29	22194	0.0554		
	78 Ethylbenzene	91	19.016	19.016	0.0	89	41433	0.0722		
	80 m-Xylene & p-Xylene	106	19.267	19.272	-0.005	99	28279	0.1206		
S	82 Xylenes, Total	106				0		0.1691		7
	83 o-Xylene	106	20.091	20.102	-0.011	32	11876	0.0485		
	84 Styrene	104	20.150	20.144	0.006	96	50858	0.1561		
	85 Bromoform	173		20.530						
$	87 4-Bromofluorobenzene	95	21.107	21.107	0.0	96	1865534	NC		
	88 1,1,2,2-Tetrachloroethane	83		21.364						
	90 N-Propylbenzene	91		21.471						
	92 2-Chlorotoluene	91		21.653						
	91 4-Ethyltoluene	105	21.653	21.653	0.0	74	16950	0.0300		7
	94 1,3,5-Trimethylbenzene	105	21.755	21.760	-0.005	65	13139	0.0235		7
	96 tert-Butylbenzene	119		22.242						
	97 1,2,4-Trimethylbenzene	105	22.332	22.332	0.0	95	34815	0.0643		
	98 sec-Butylbenzene	105		22.562						
	99 4-Isopropyltoluene	119		22.760						
	100 1,3-Dichlorobenzene	146	22.776	22.776	0.0	96	63752	0.1895		
	101 1,4-Dichlorobenzene	146		22.910						
	102 Benzyl chloride	91		23.103						
	103 n-Butylbenzene	91		23.338						
	105 1,2-Dichlorobenzene	146		23.451						
	107 1,2,4-Trichlorobenzene	180		26.013						
	108 Hexachlorobutadiene	225		26.227						
	109 Naphthalene	128		26.505						

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

WorkSheet Quantitation Report

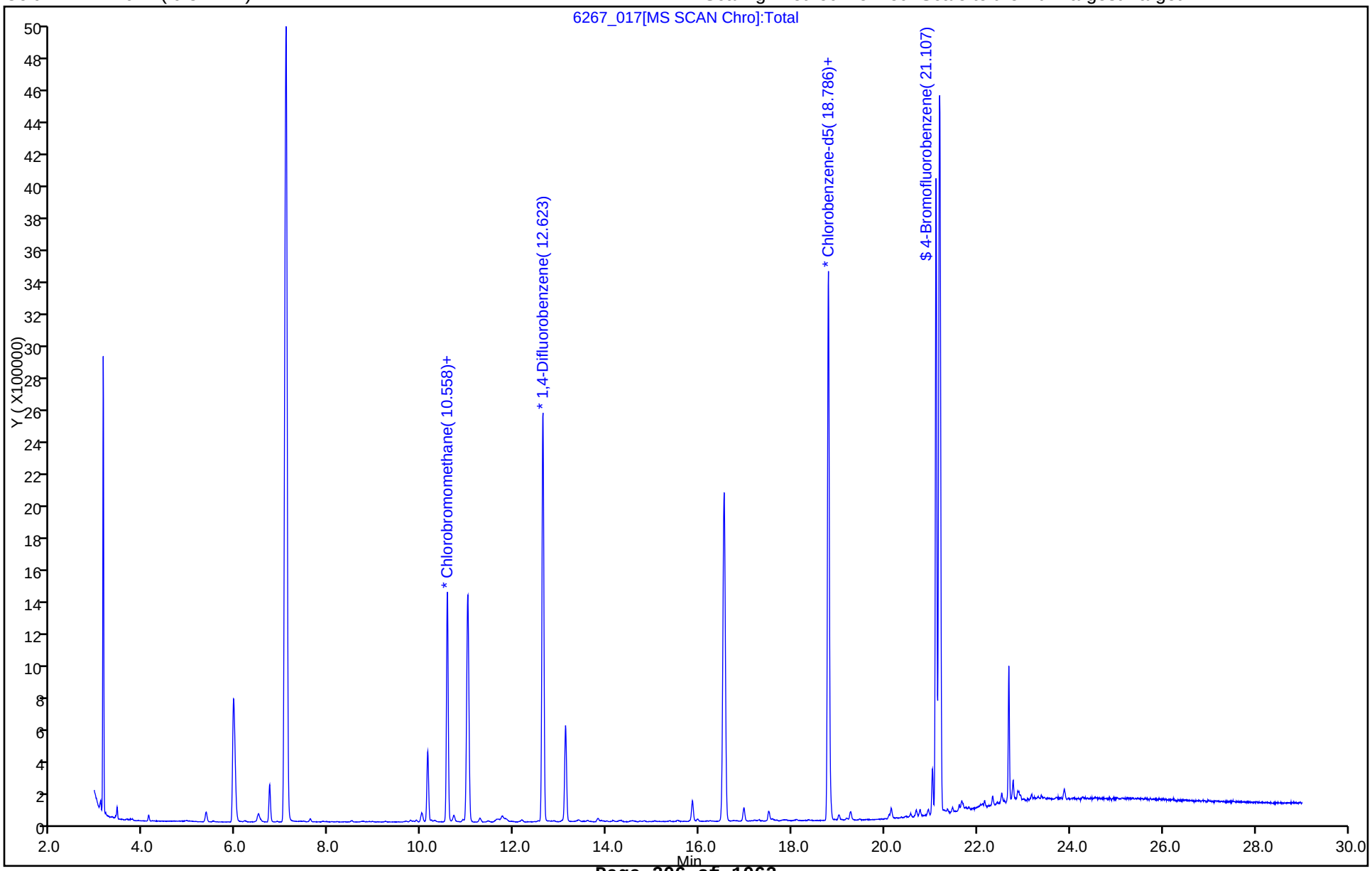
Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 24-Feb-2014 11:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D				
Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4	Worklist Smp#:	17
Client ID:	SS-VMP-2B				
Purge Vol:	200.000 mL	Dil. Factor:	2.5000	ALS Bottle#:	14
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



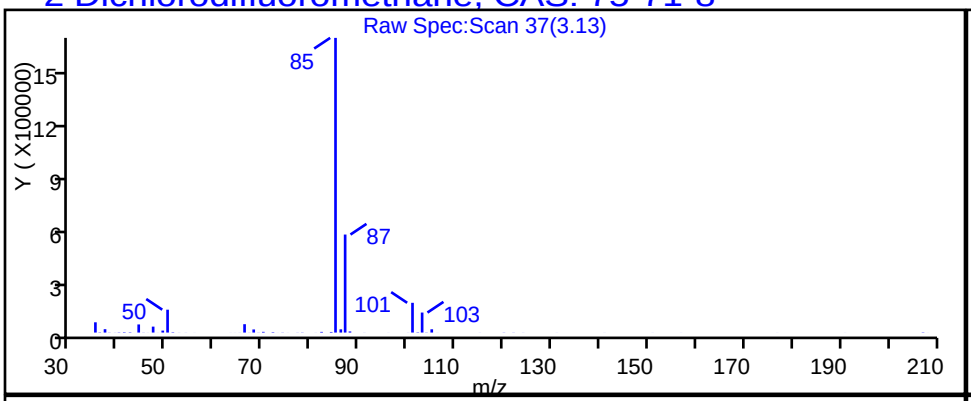
Report Date: 24-Feb-2014 11:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

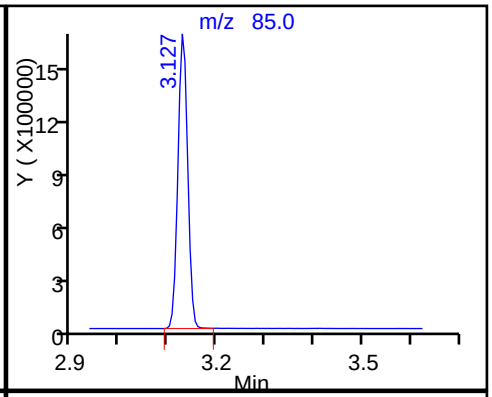
TestAmerica Burlington

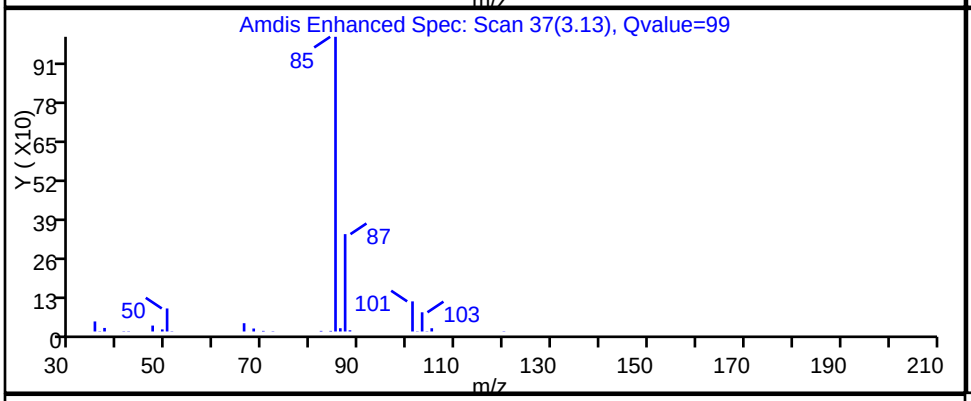
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

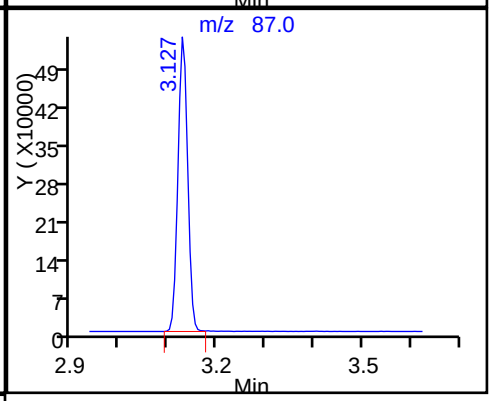
Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

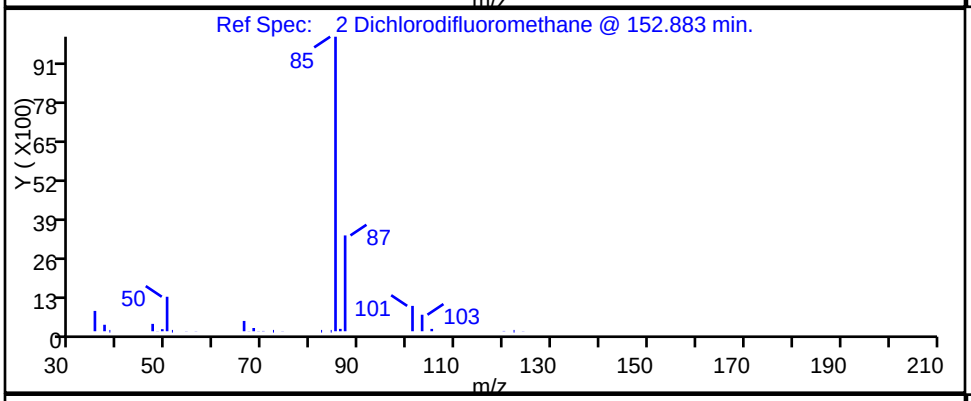
2 Dichlorodifluoromethane, CAS: 75-71-8

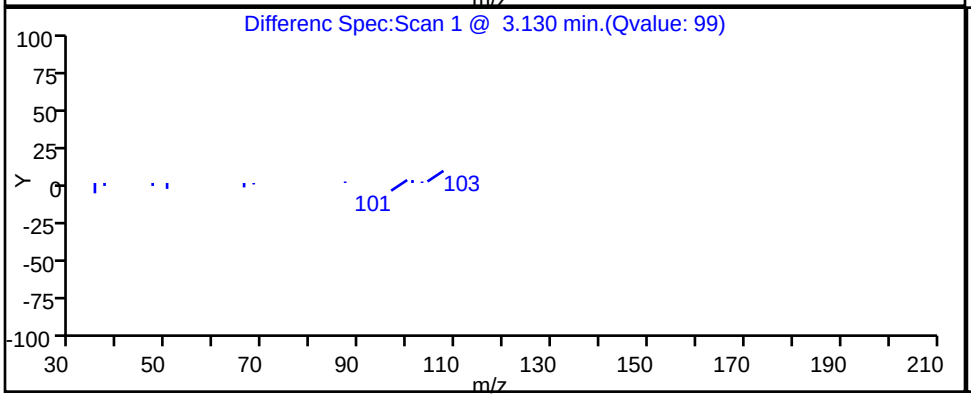


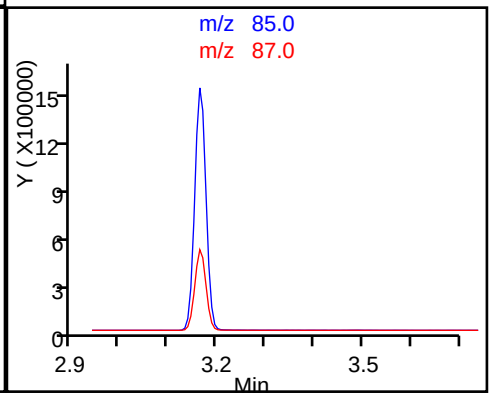












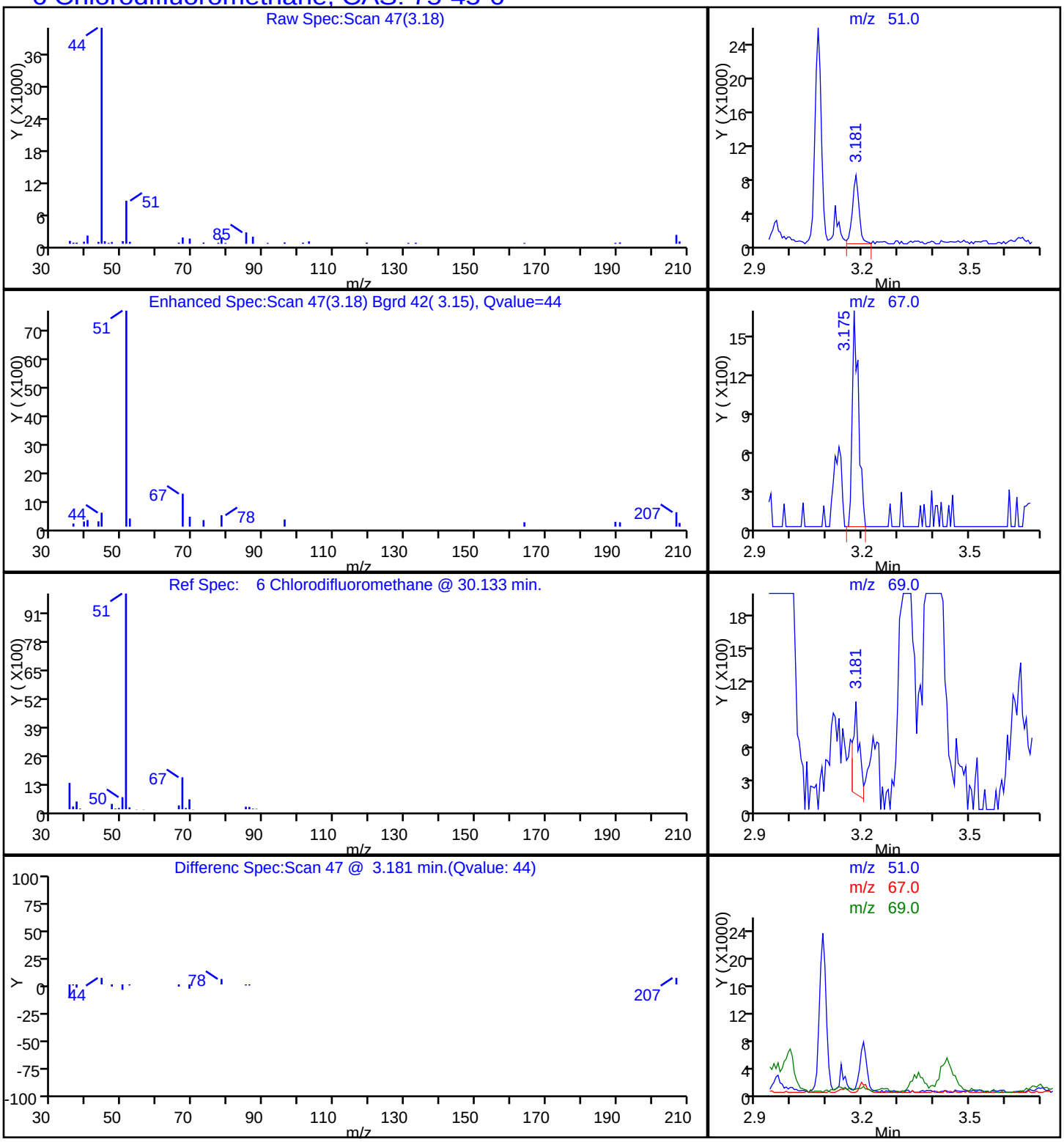
Report Date: 24-Feb-2014 11:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



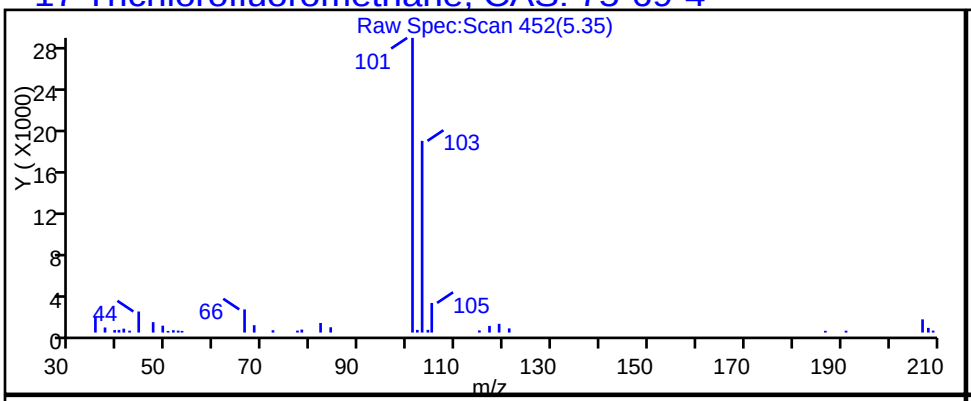
Report Date: 24-Feb-2014 11:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

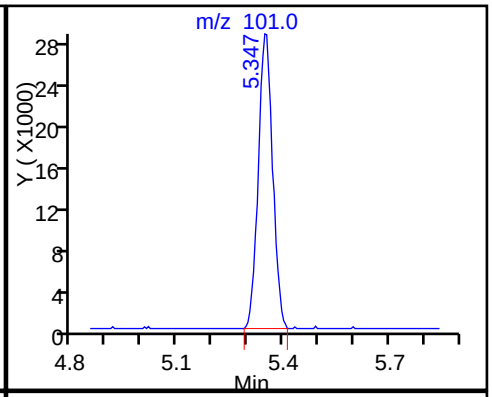
TestAmerica Burlington

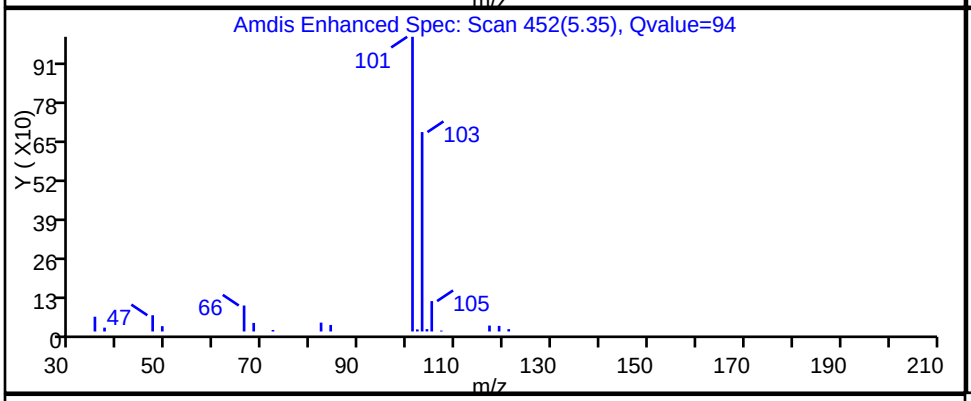
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

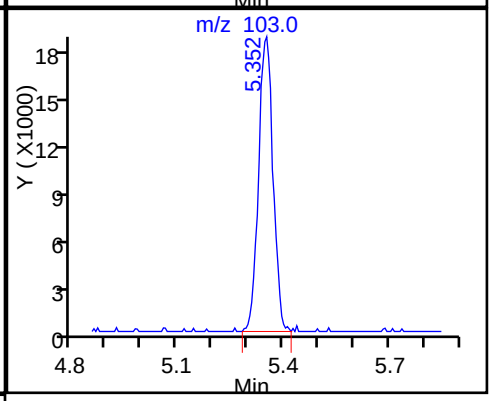
Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

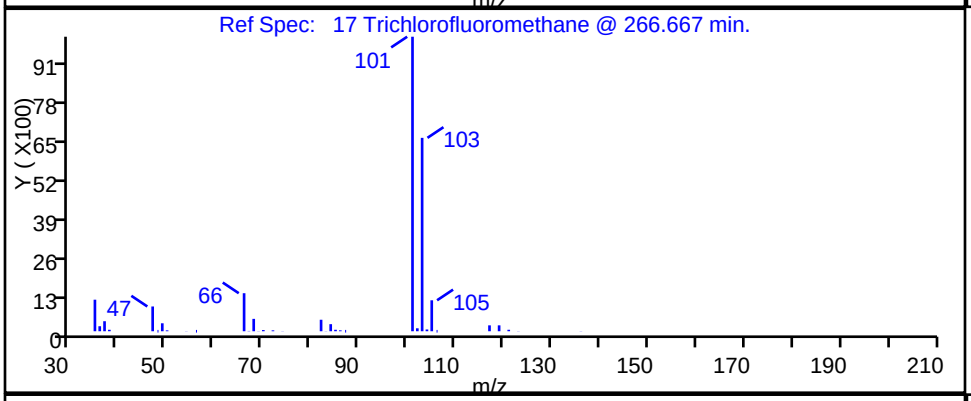
17 Trichlorofluoromethane, CAS: 75-69-4

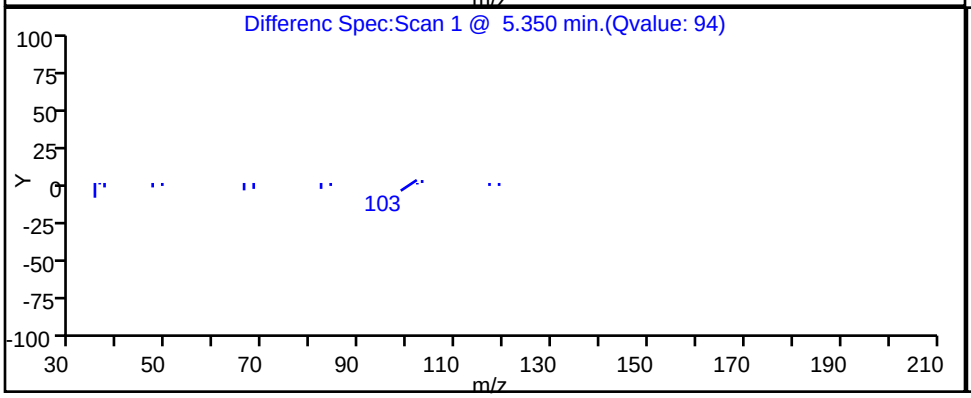


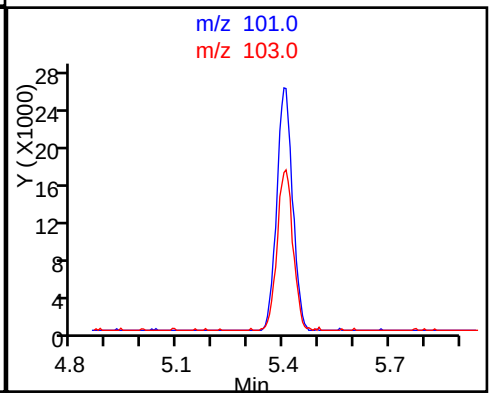












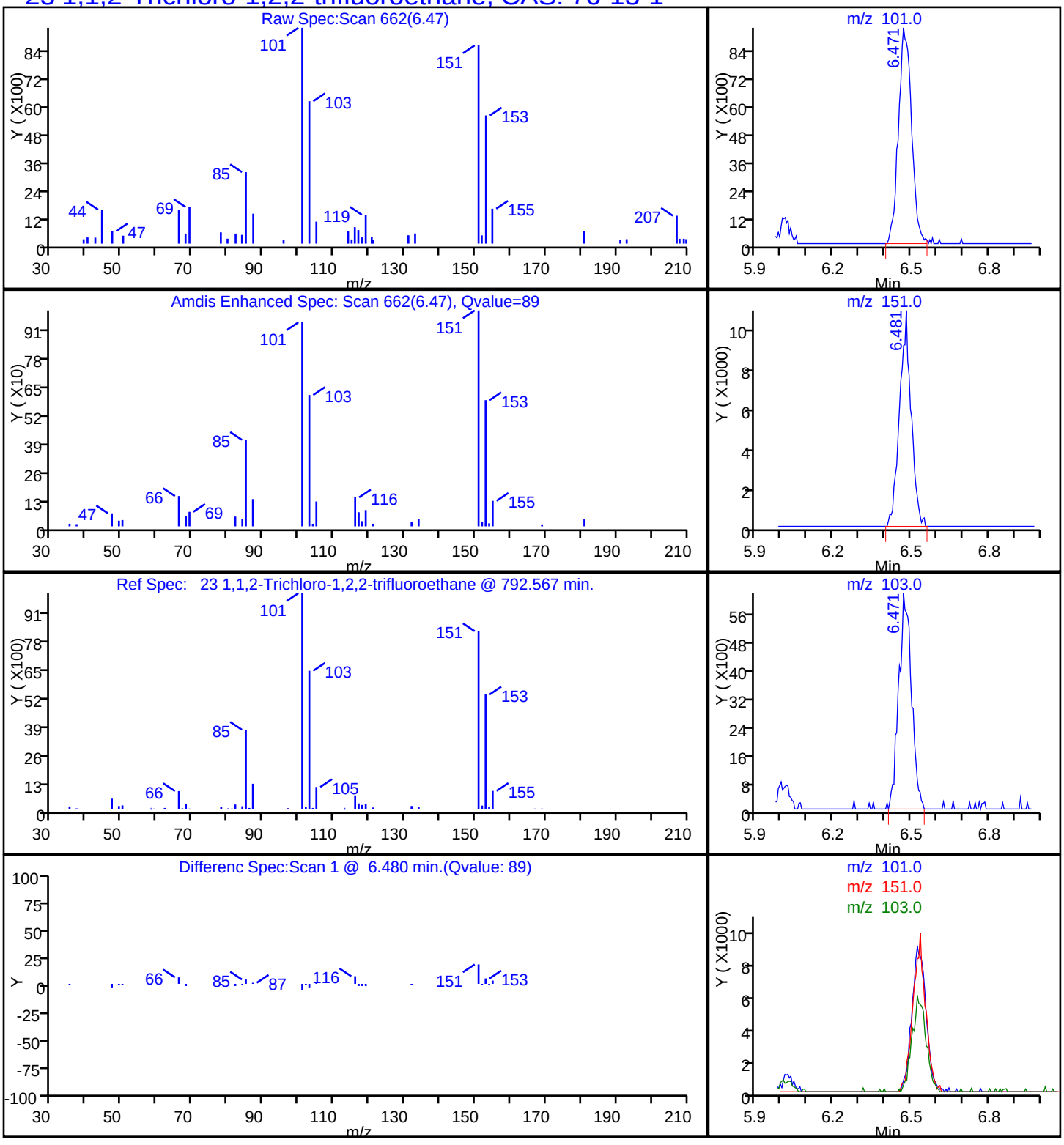
Report Date: 24-Feb-2014 11:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



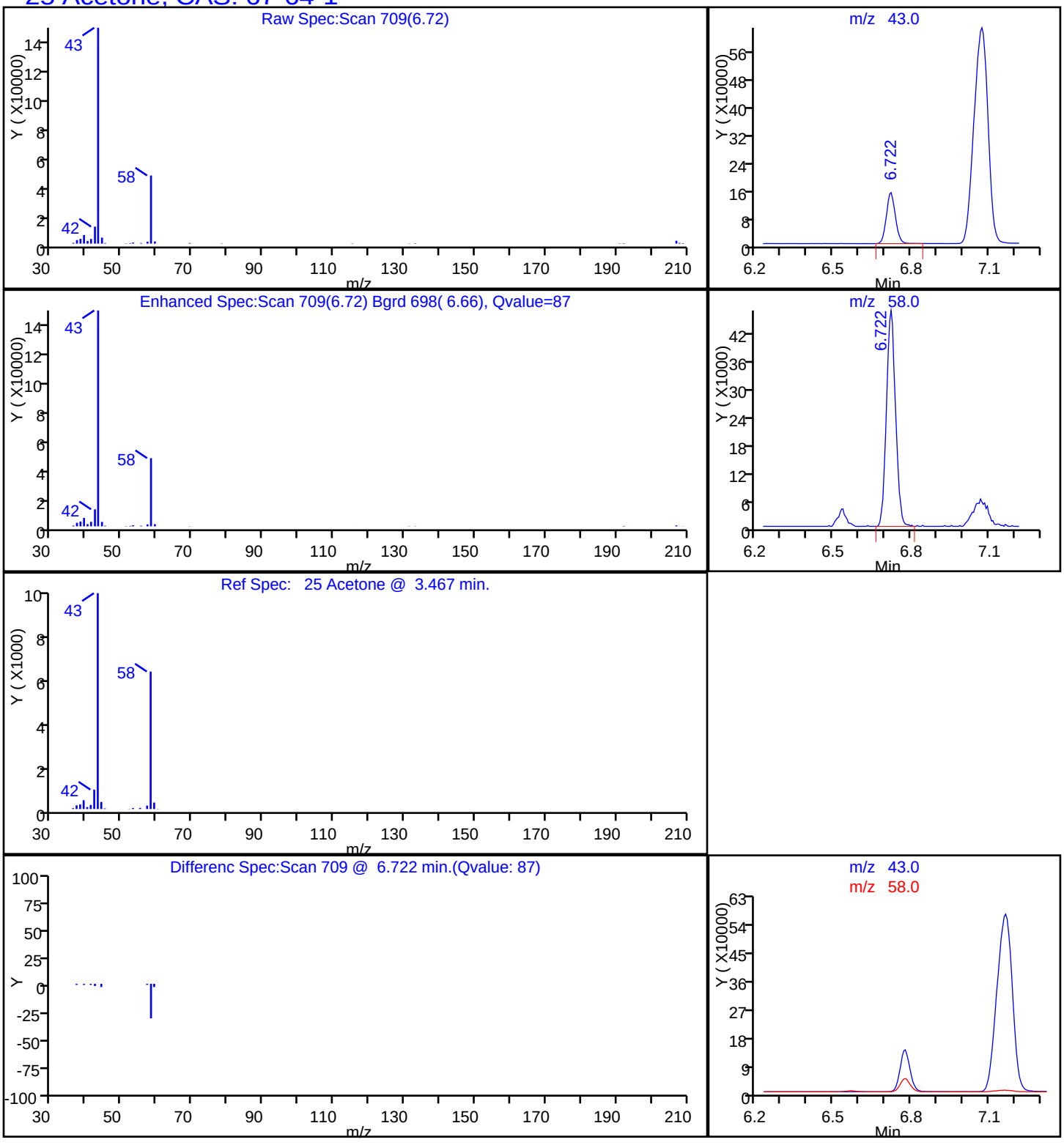
Report Date: 24-Feb-2014 11:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



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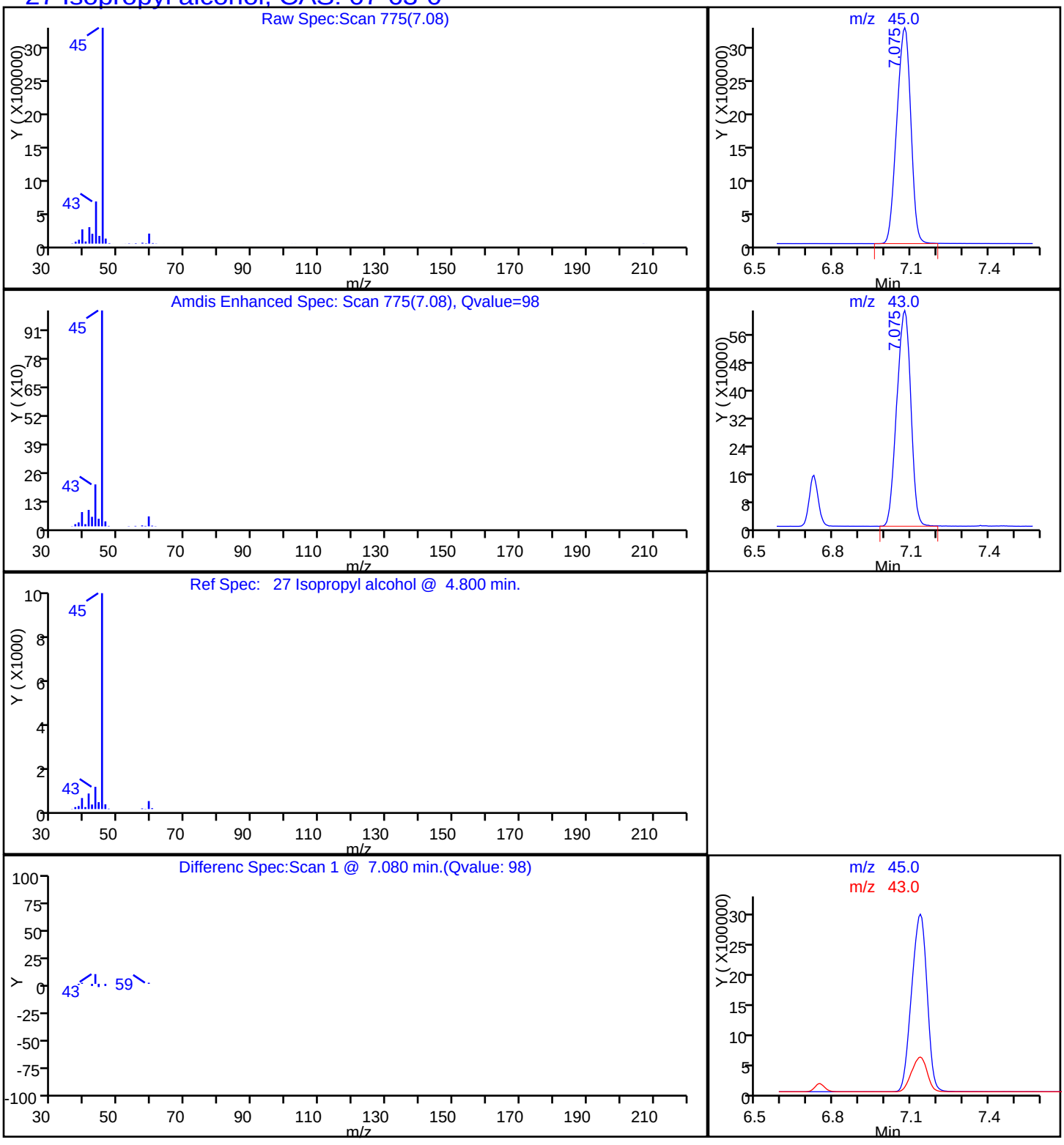
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



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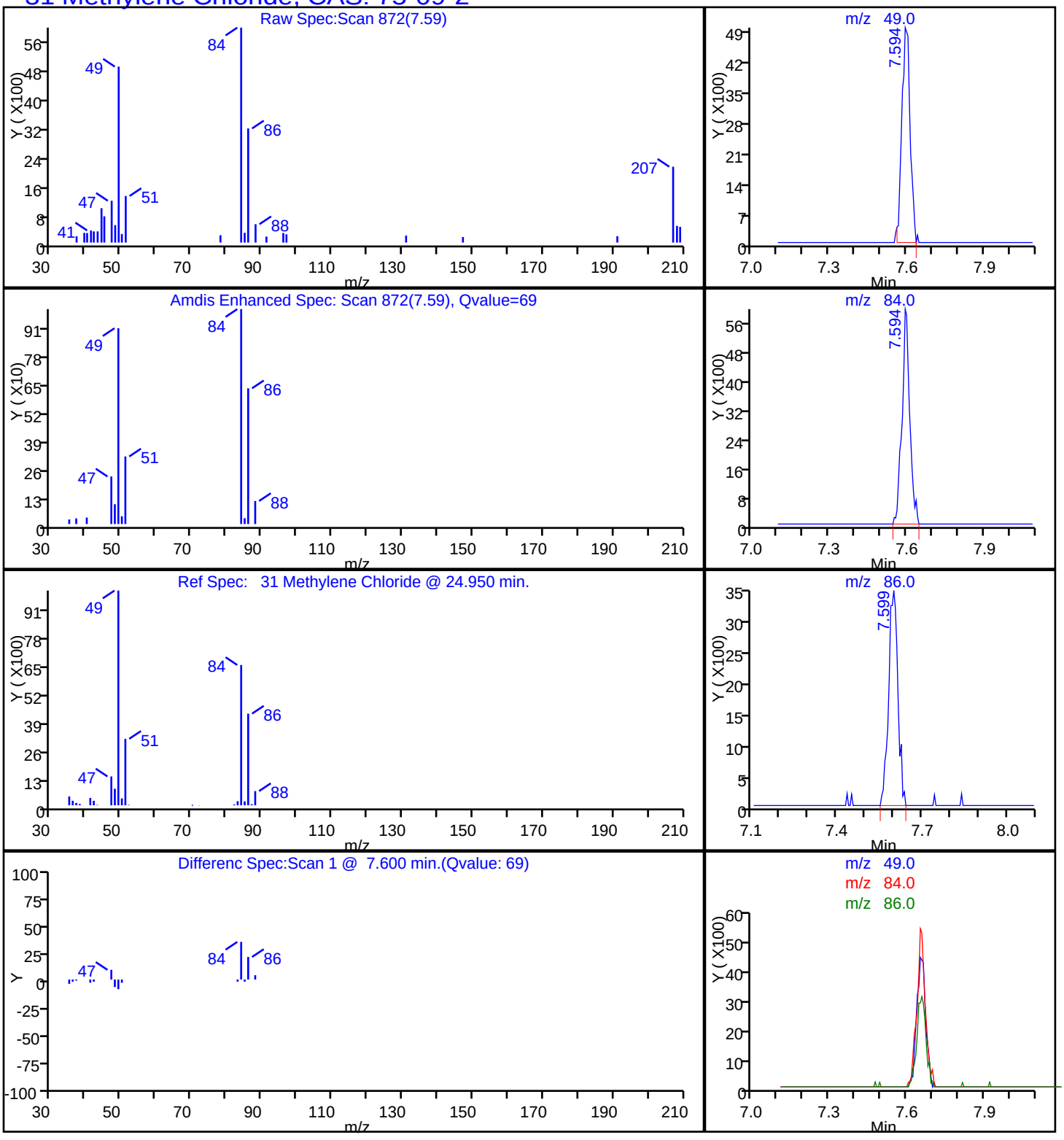
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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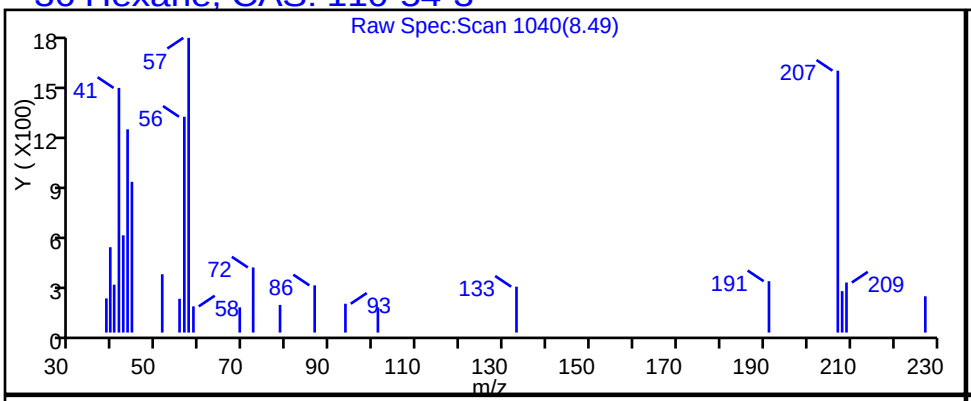
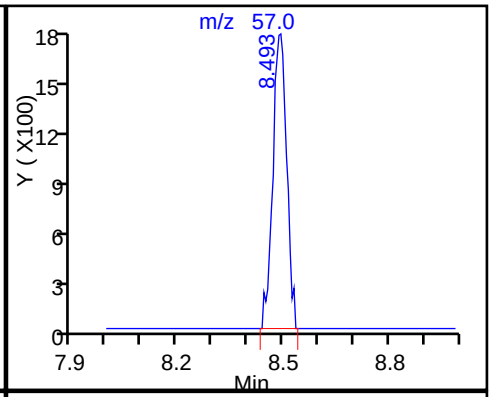
TestAmerica Burlington

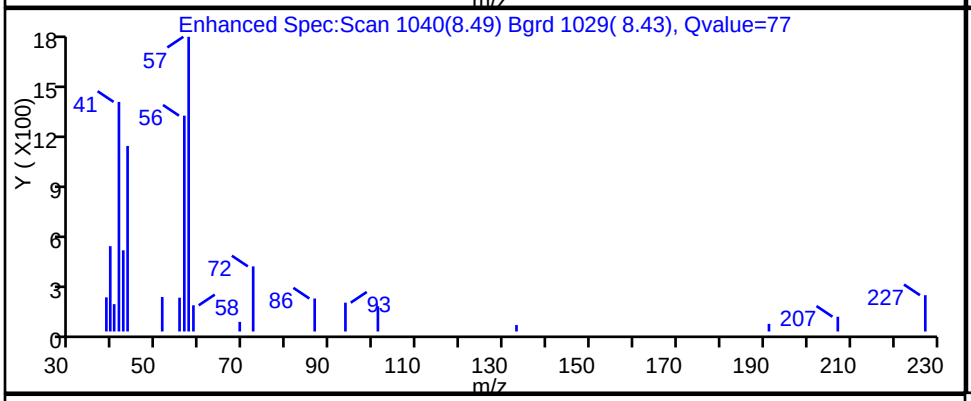
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

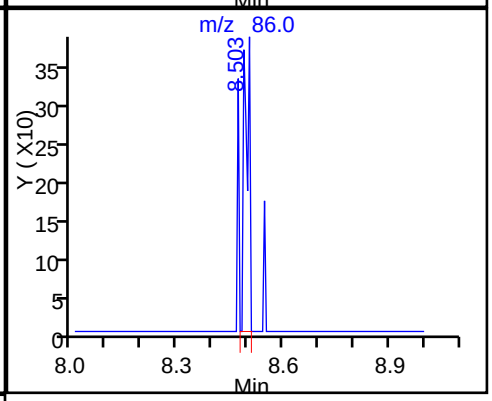
Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

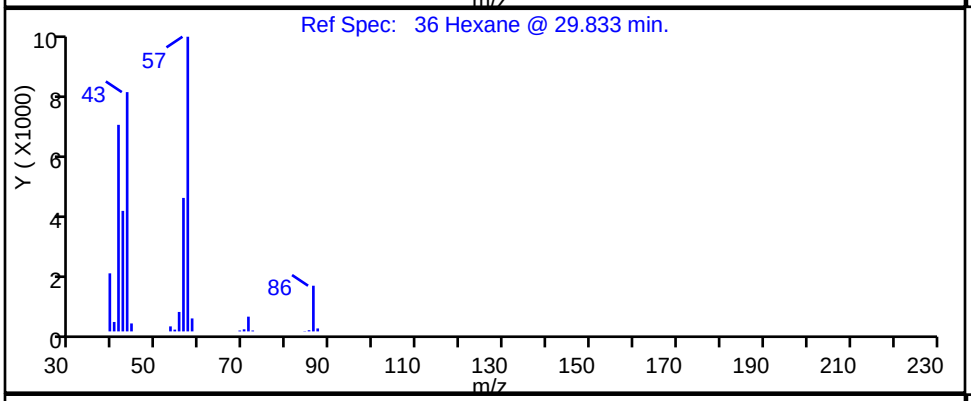
36 Hexane, CAS: 110-54-3

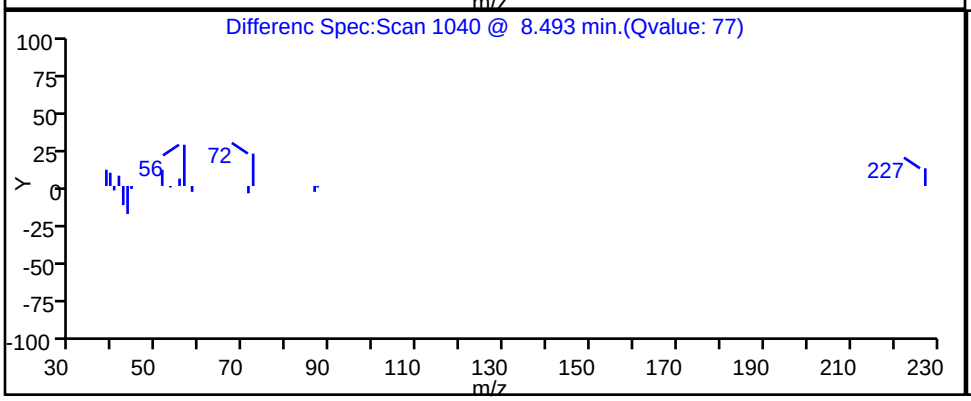


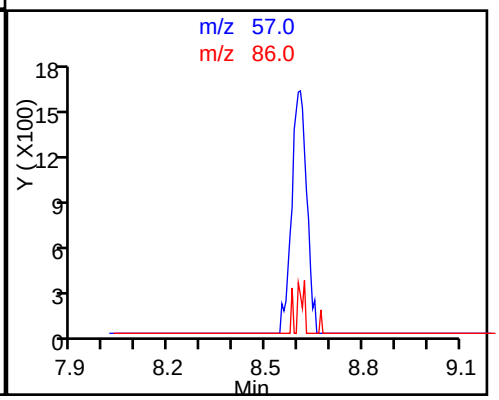












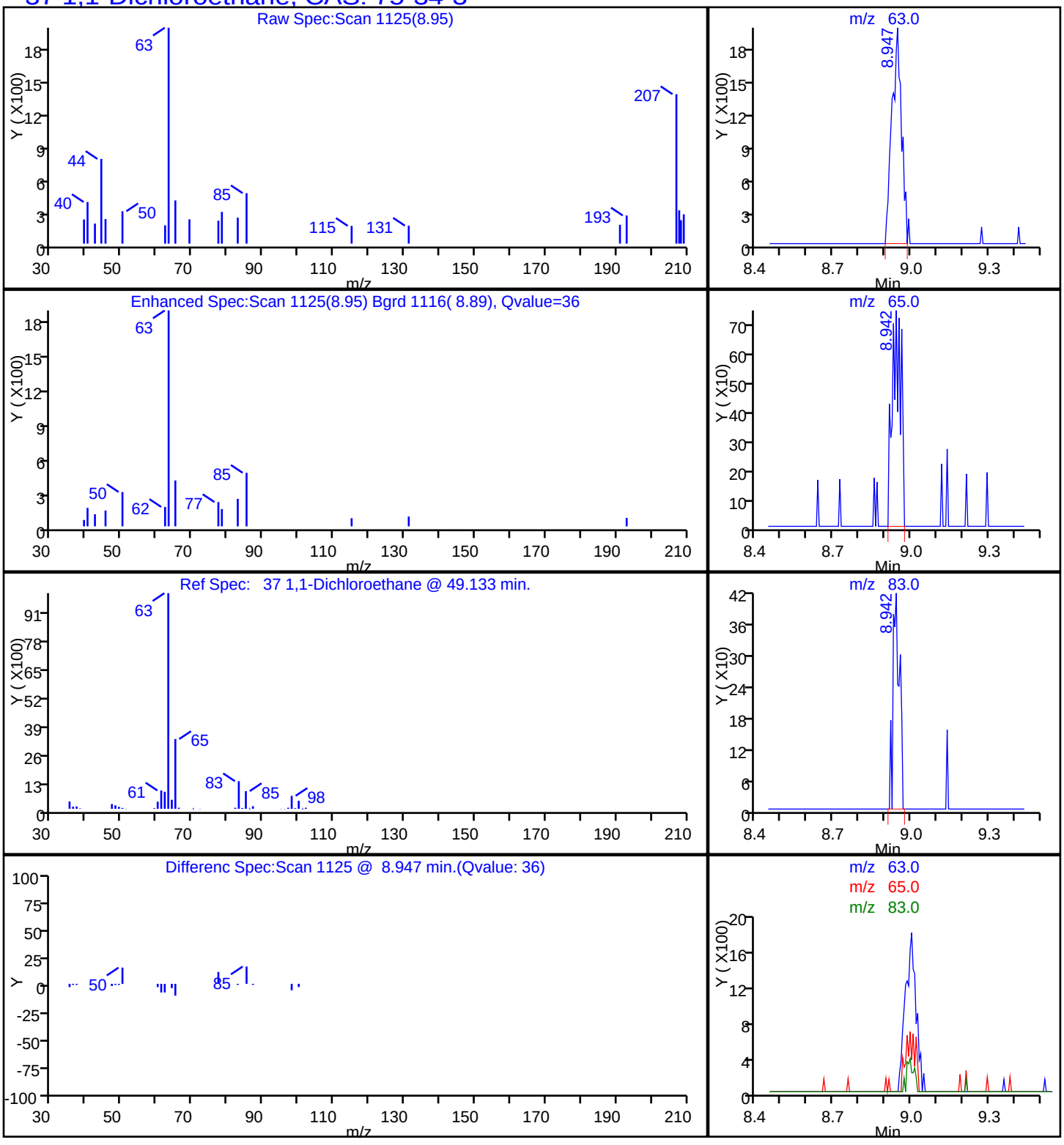
Report Date: 24-Feb-2014 11:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



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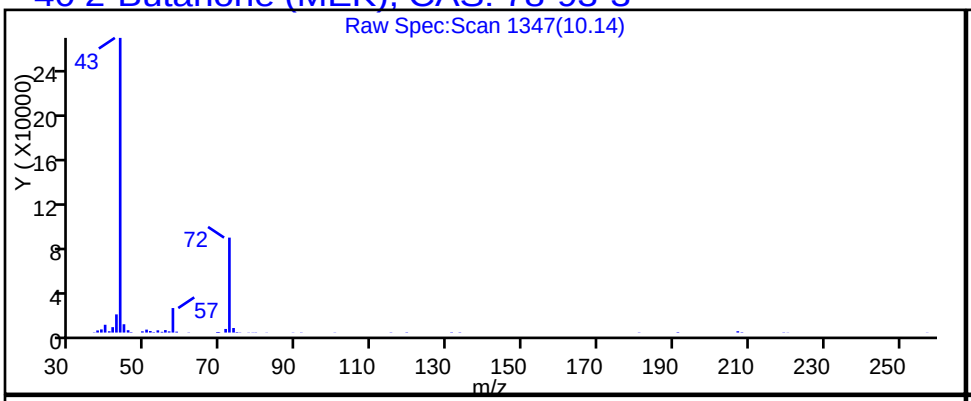
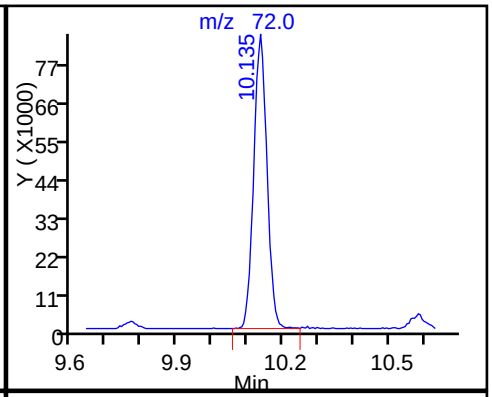
TestAmerica Burlington

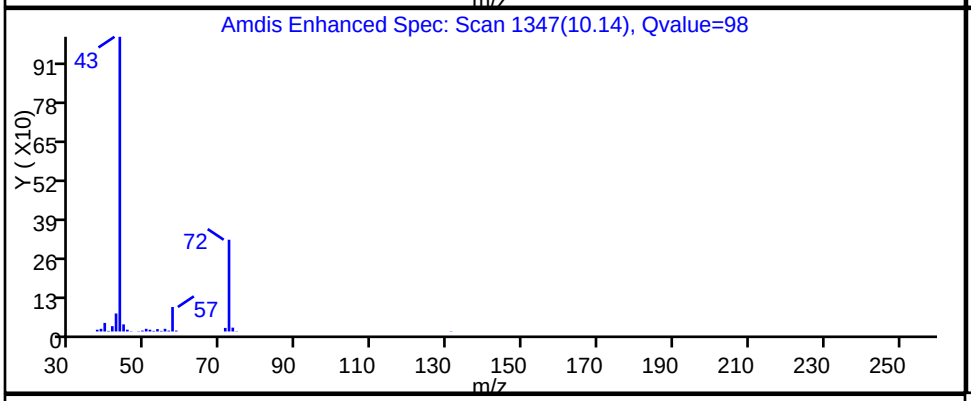
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

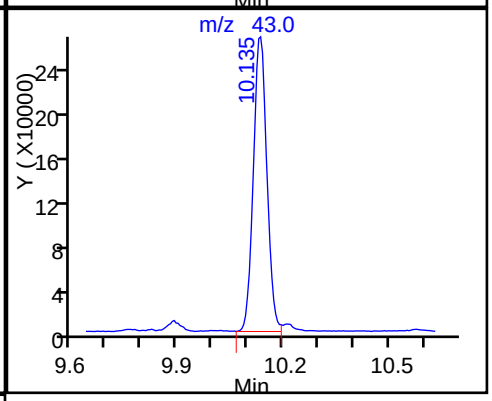
Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

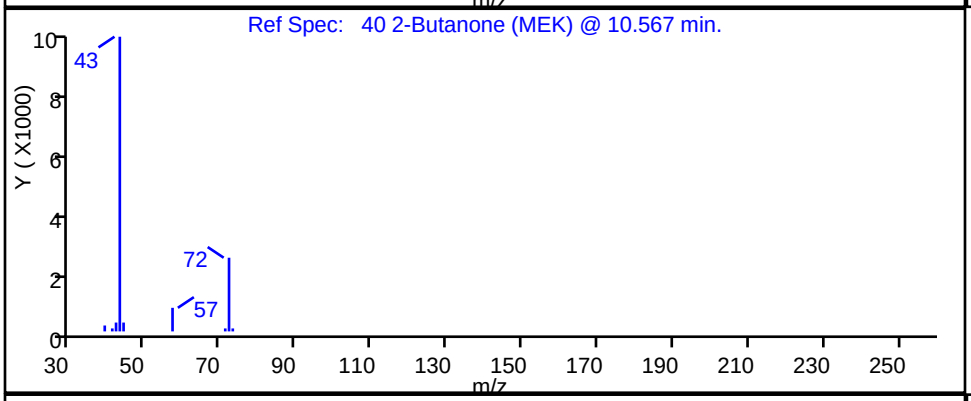
40 2-Butanone (MEK), CAS: 78-93-3

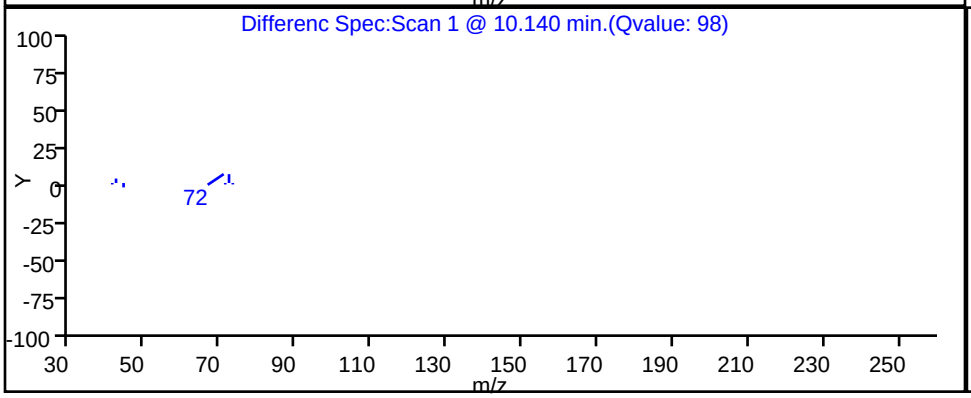


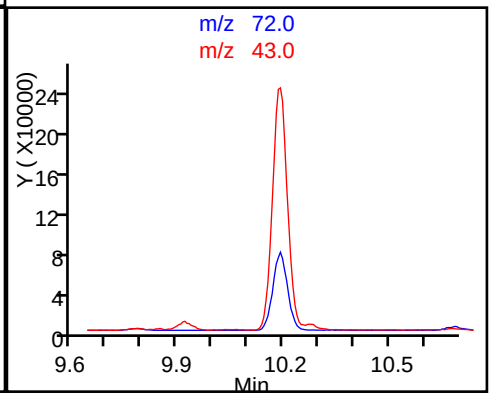












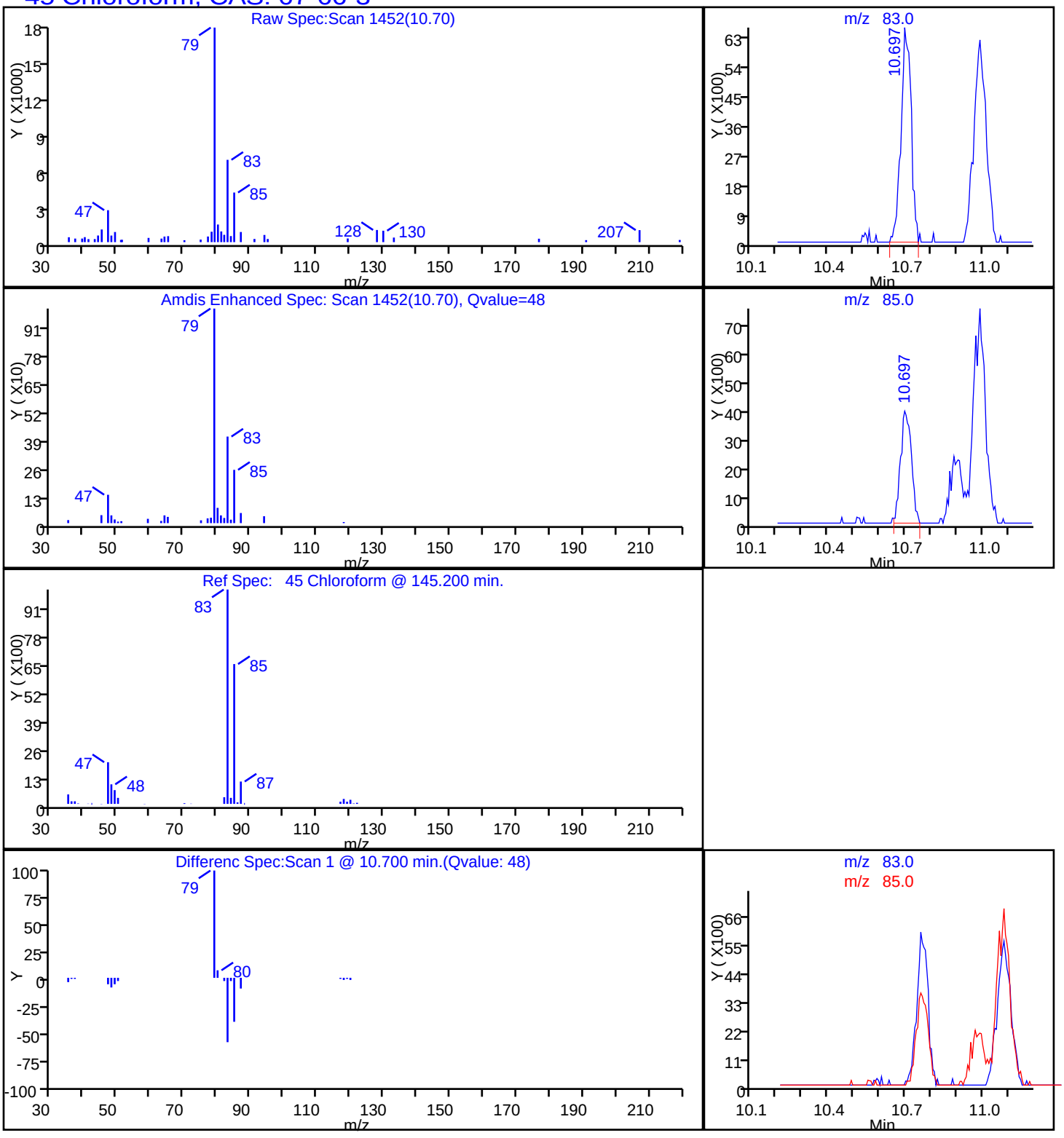
Report Date: 24-Feb-2014 11:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



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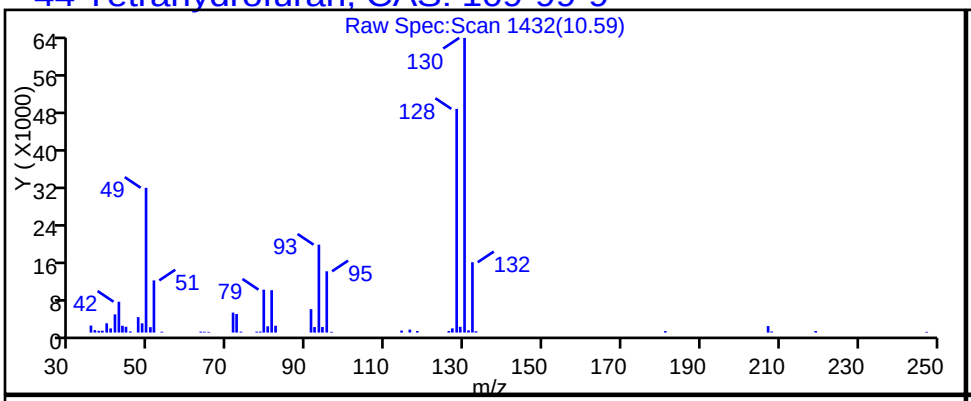
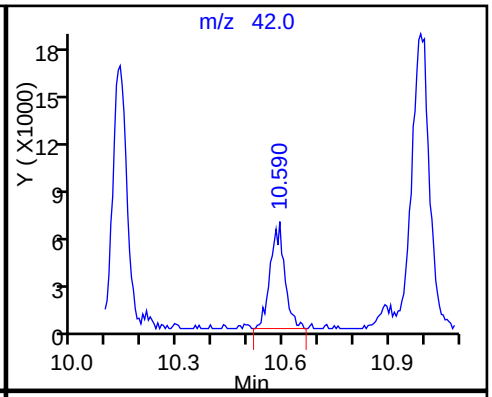
TestAmerica Burlington

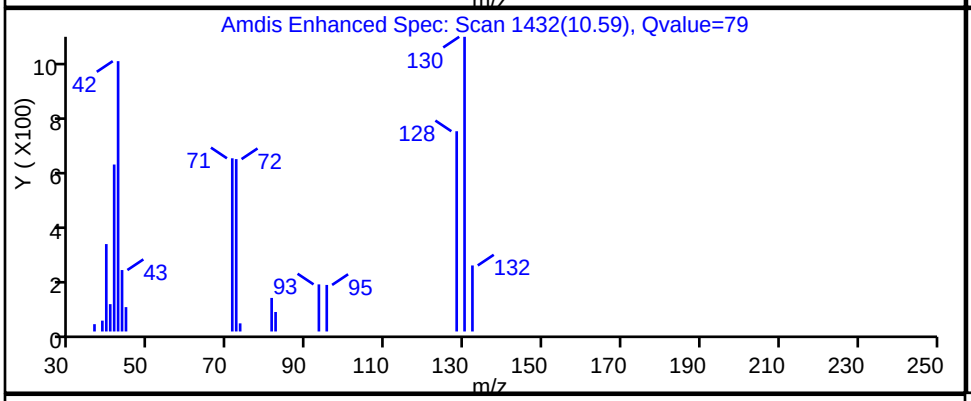
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

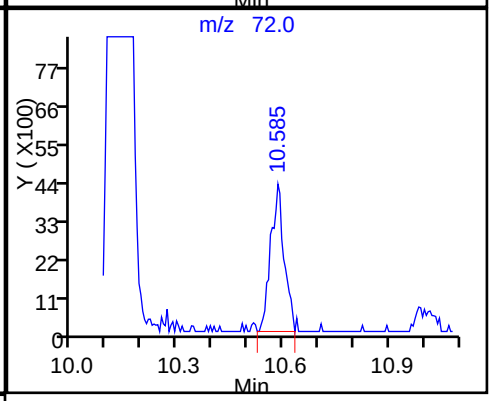
Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

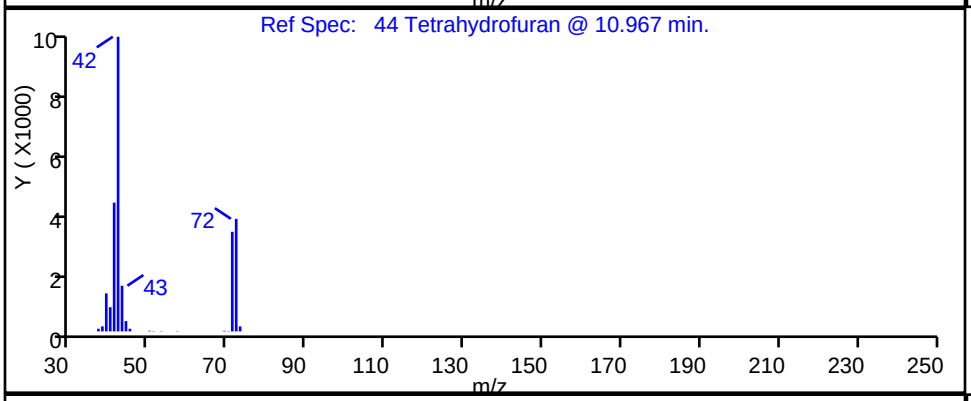
44 Tetrahydrofuran, CAS: 109-99-9

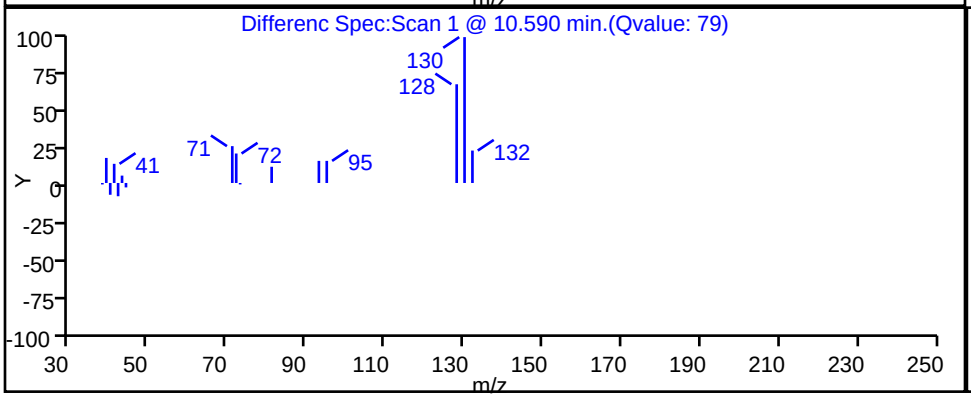


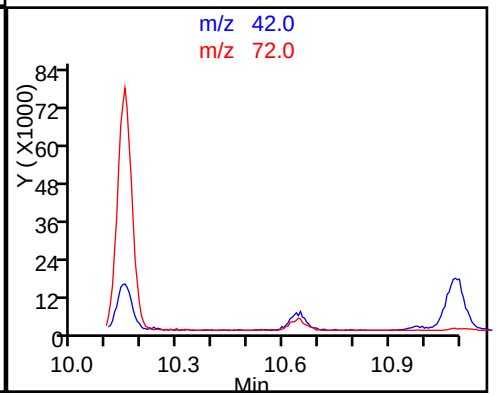












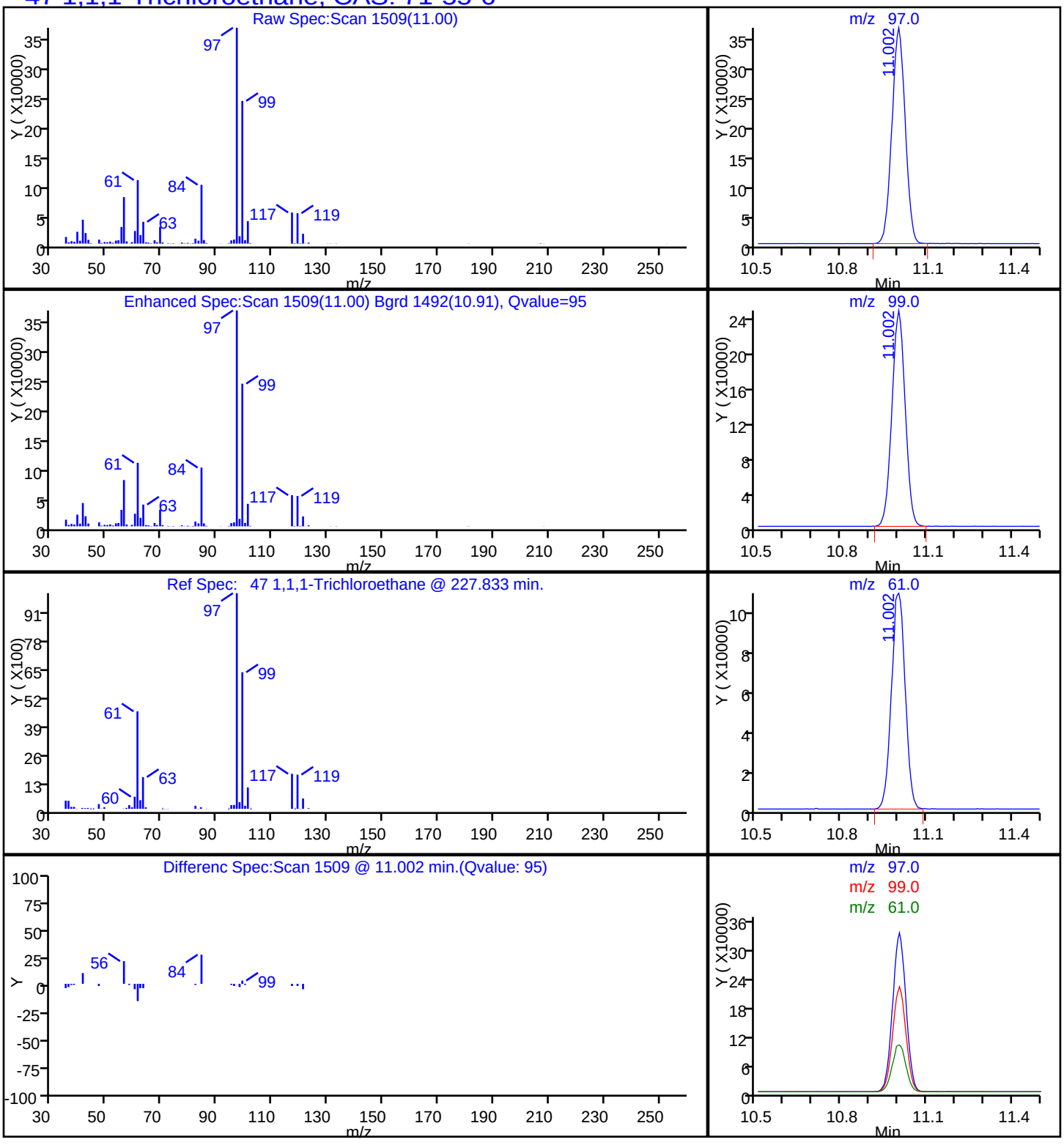
Report Date: 24-Feb-2014 11:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



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Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
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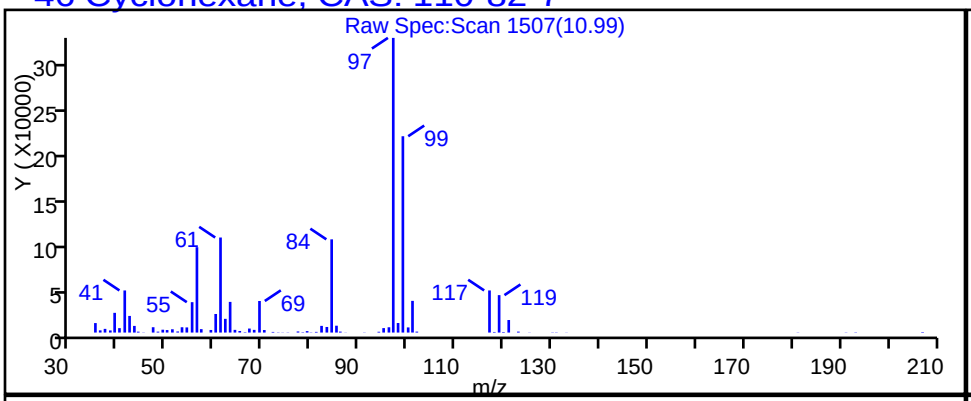
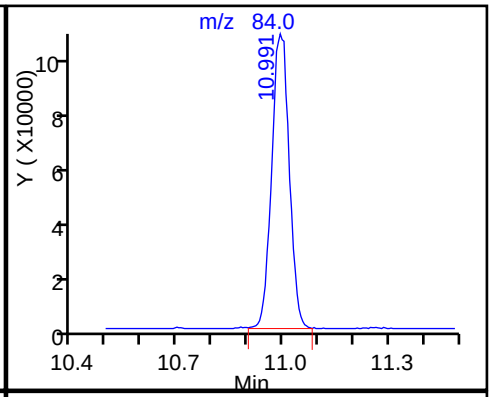
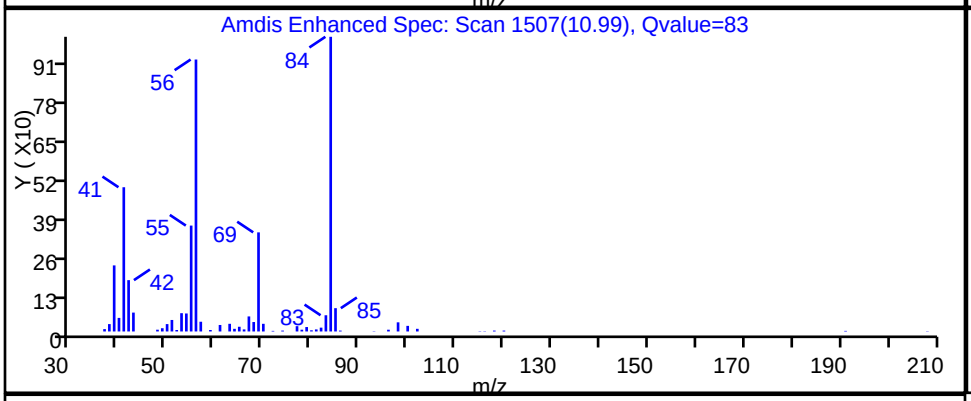
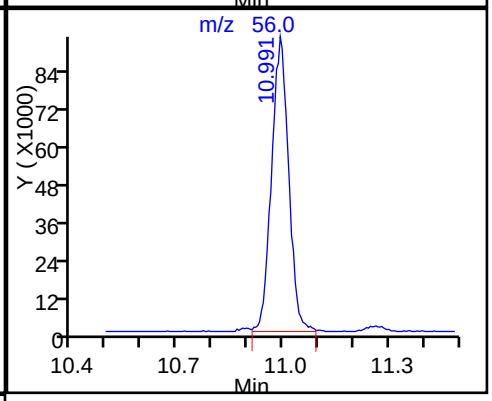
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

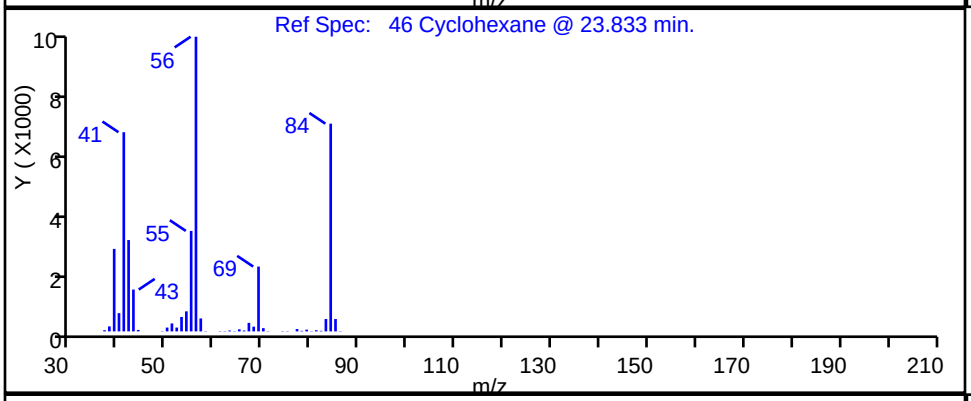
46 Cyclohexane, CAS: 110-82-7

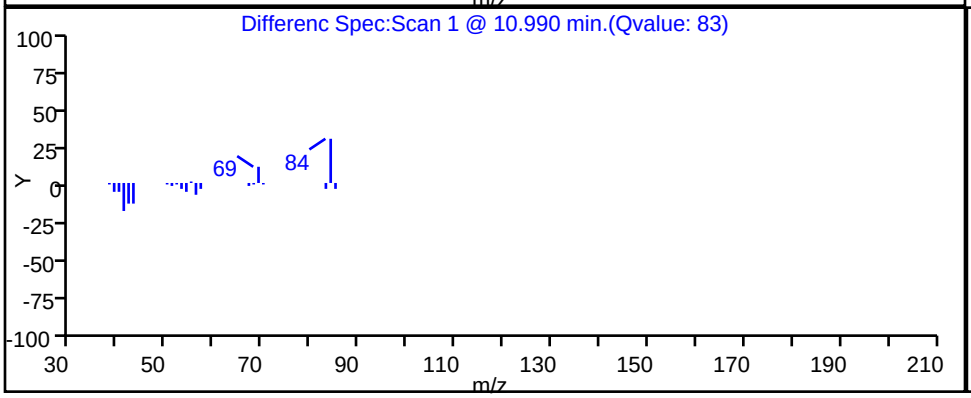


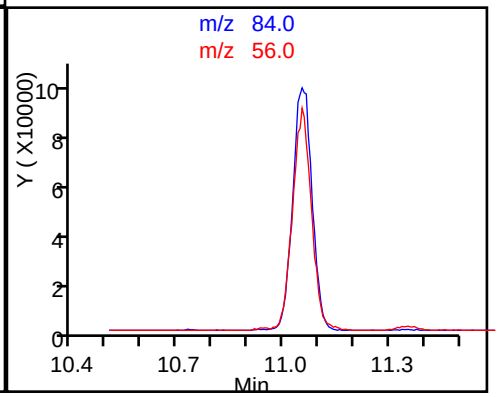












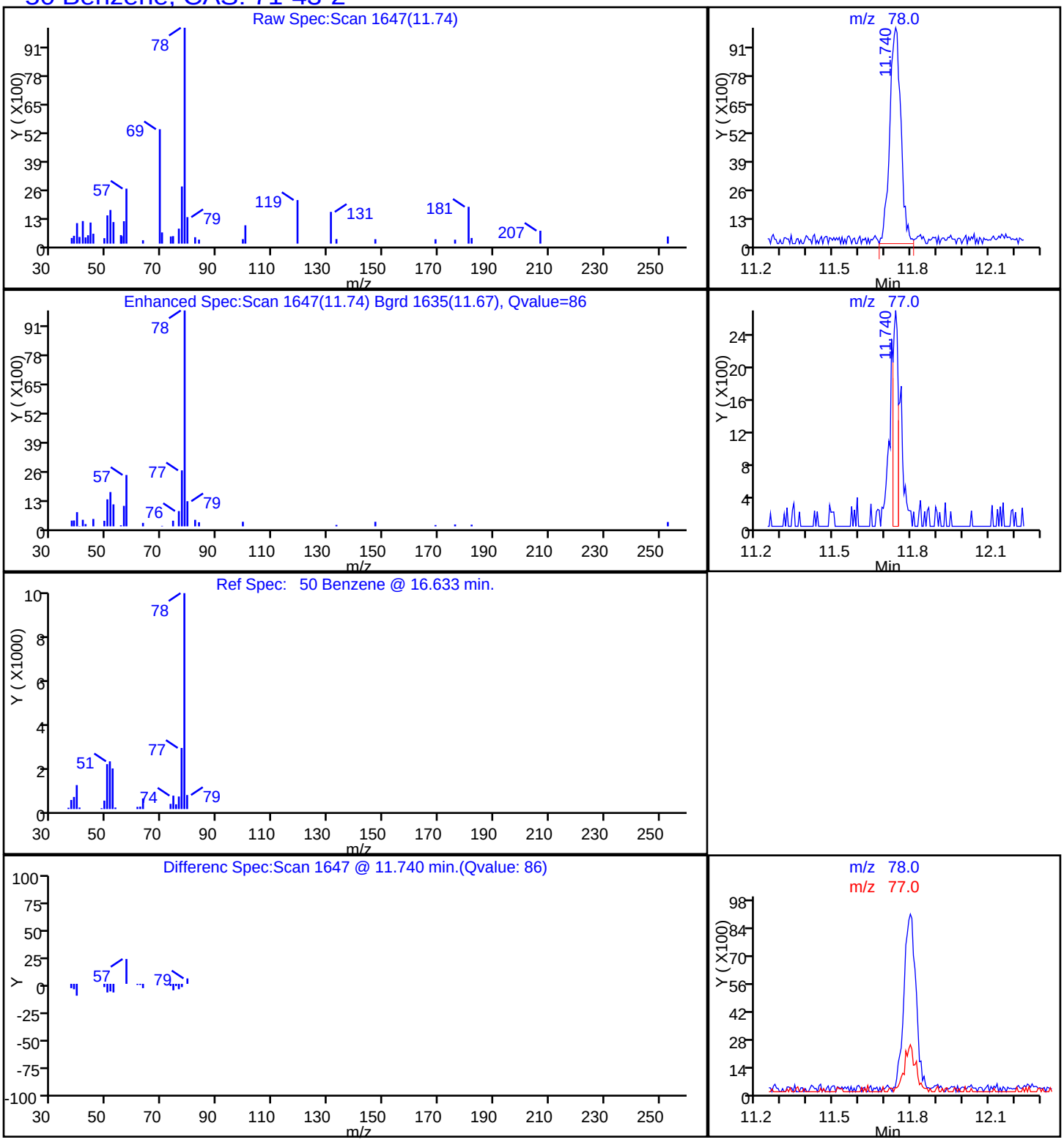
Report Date: 24-Feb-2014 11:48:22 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



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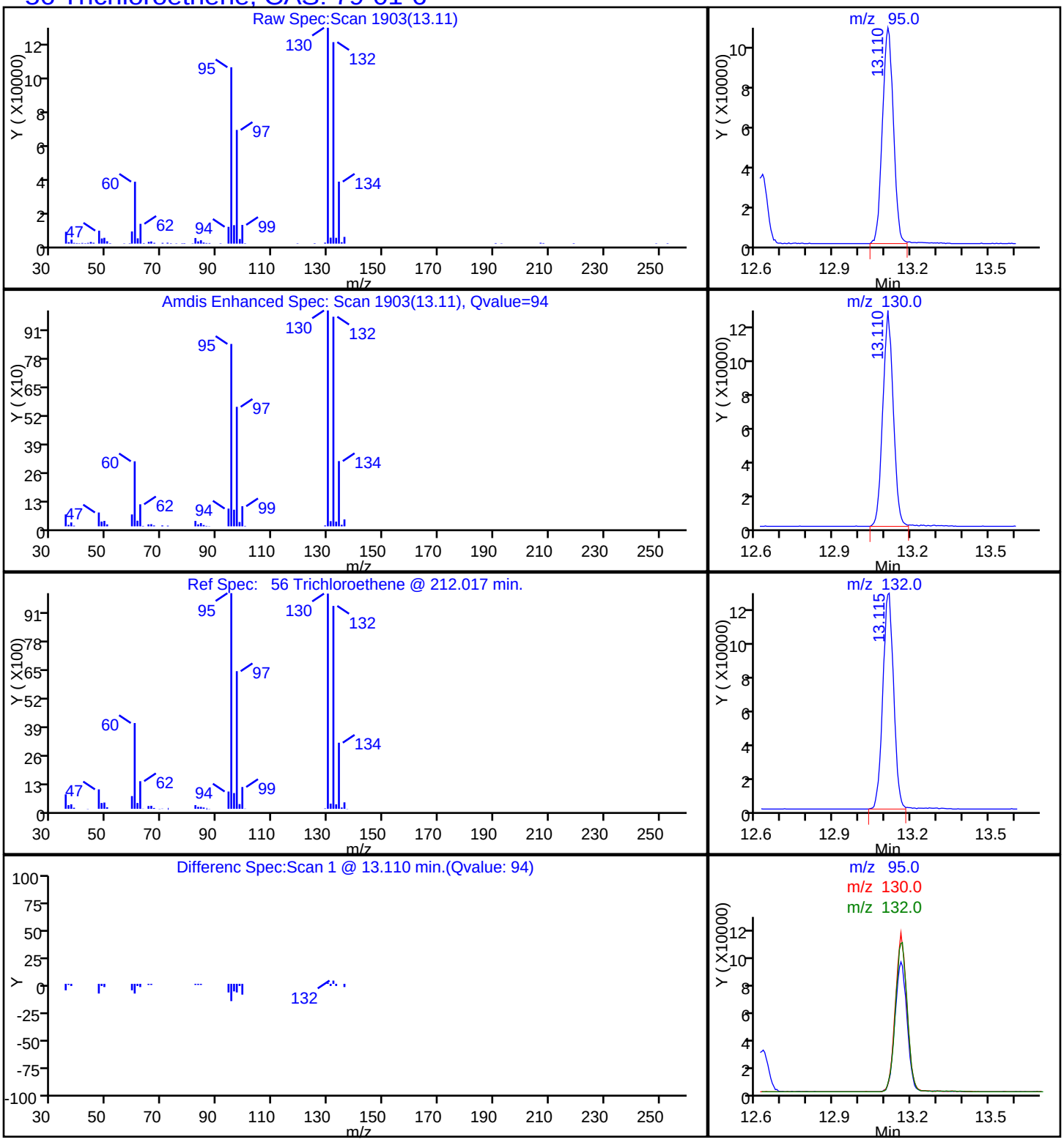
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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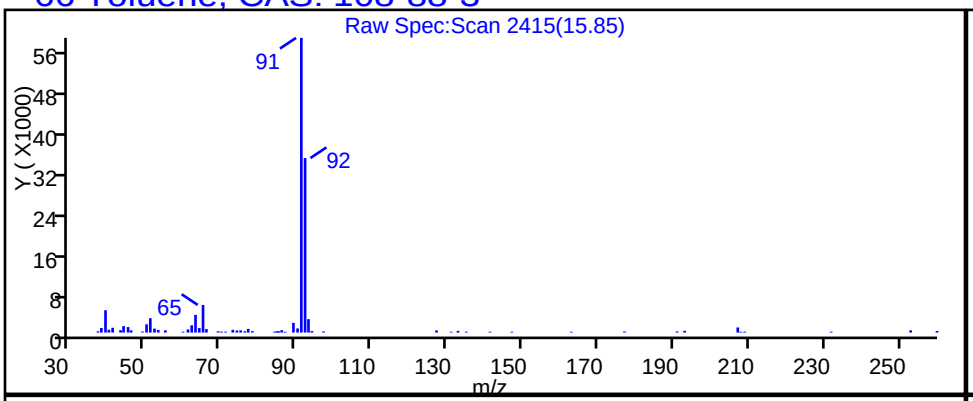
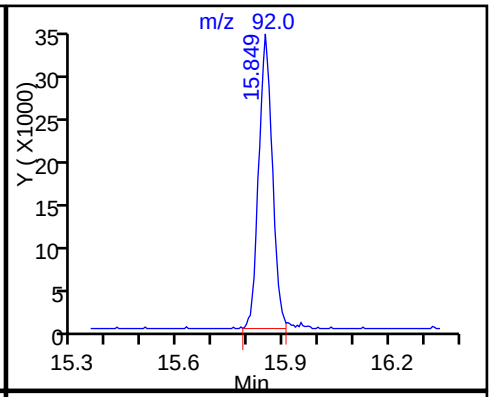
TestAmerica Burlington

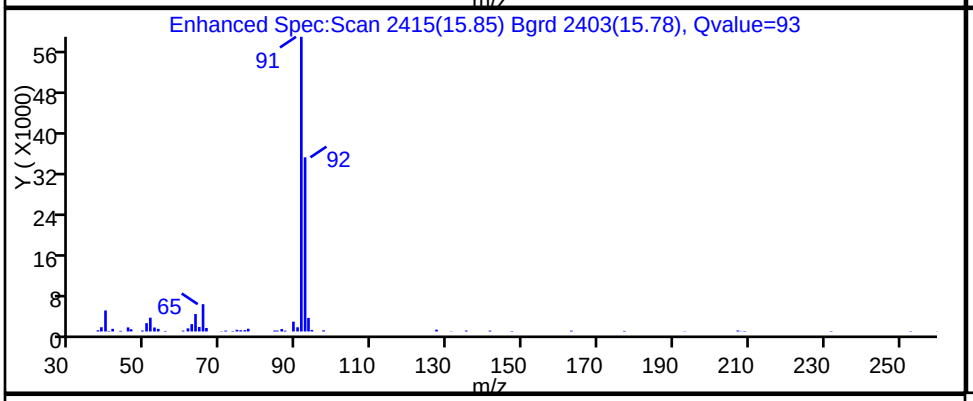
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

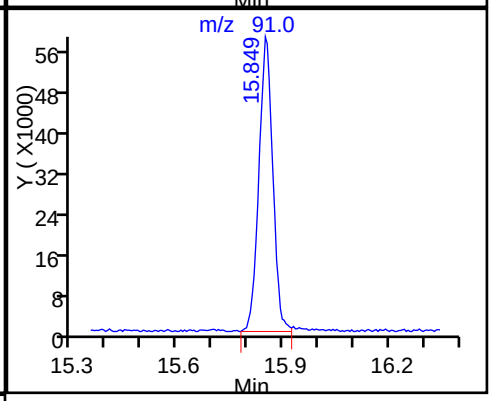
Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

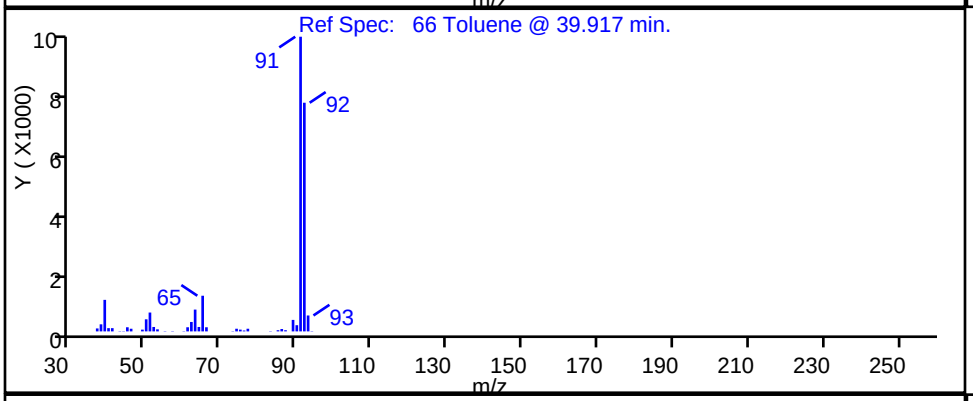
66 Toluene, CAS: 108-88-3

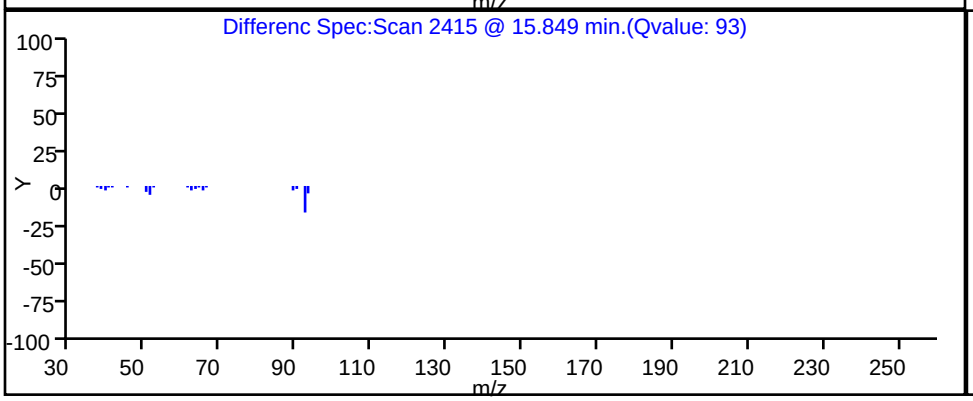


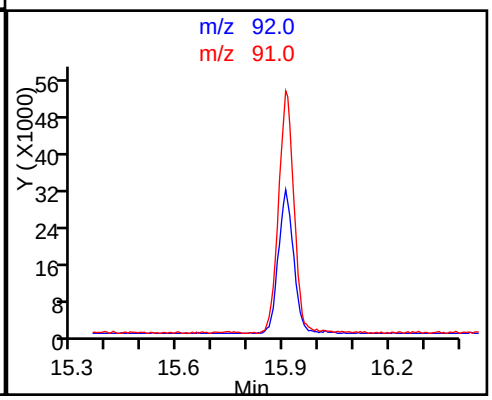












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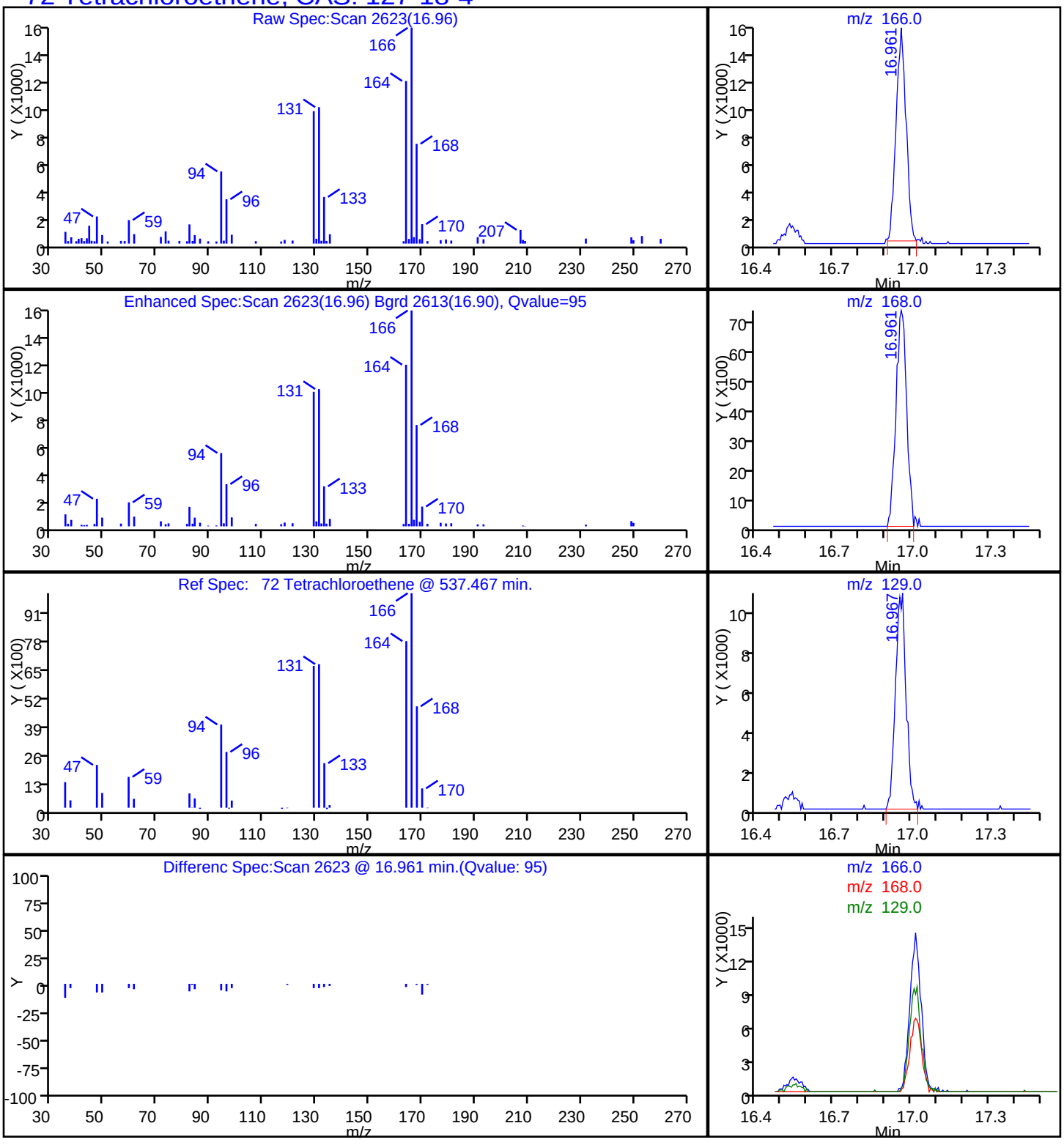
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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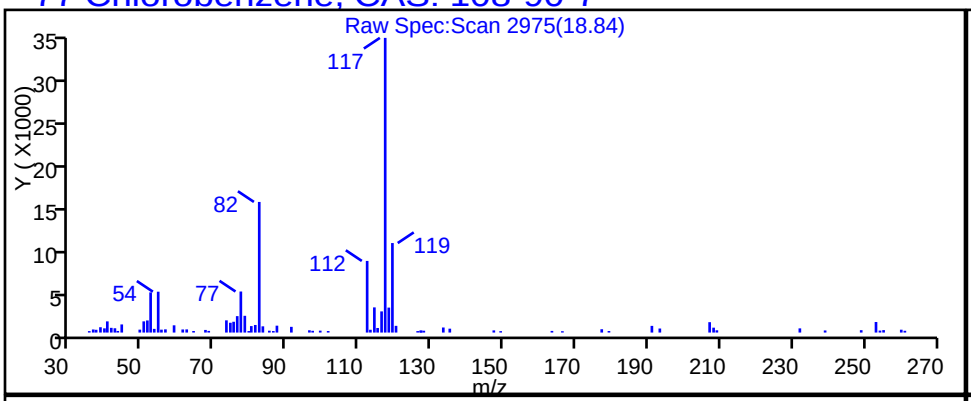
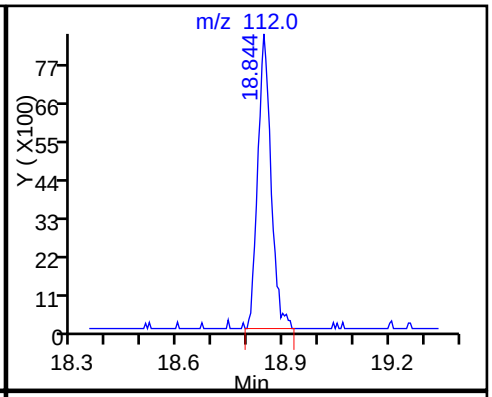
TestAmerica Burlington

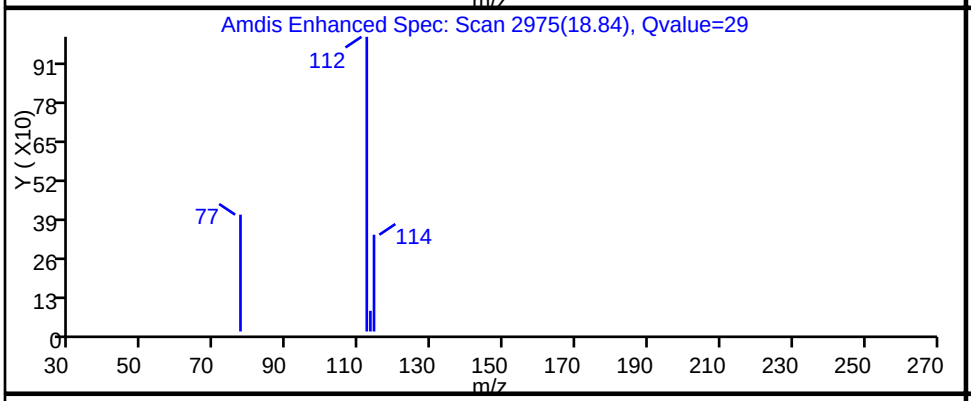
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

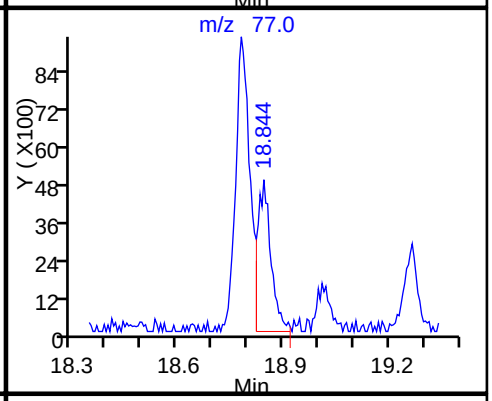
Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

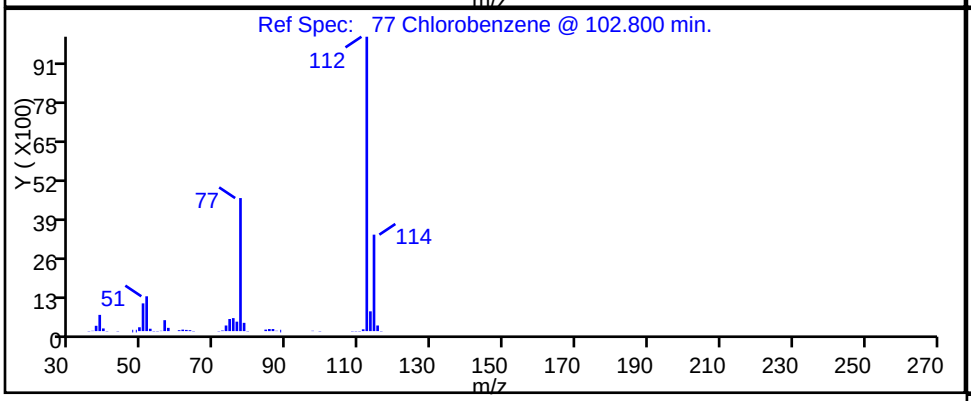
77 Chlorobenzene, CAS: 108-90-7

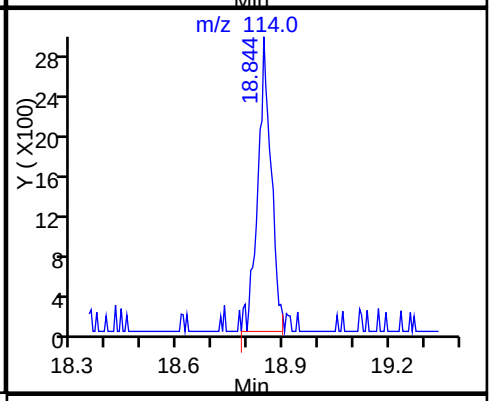


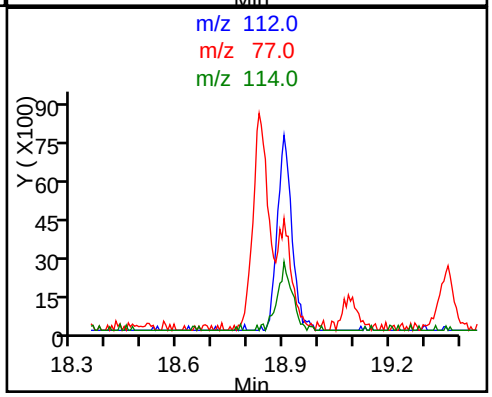












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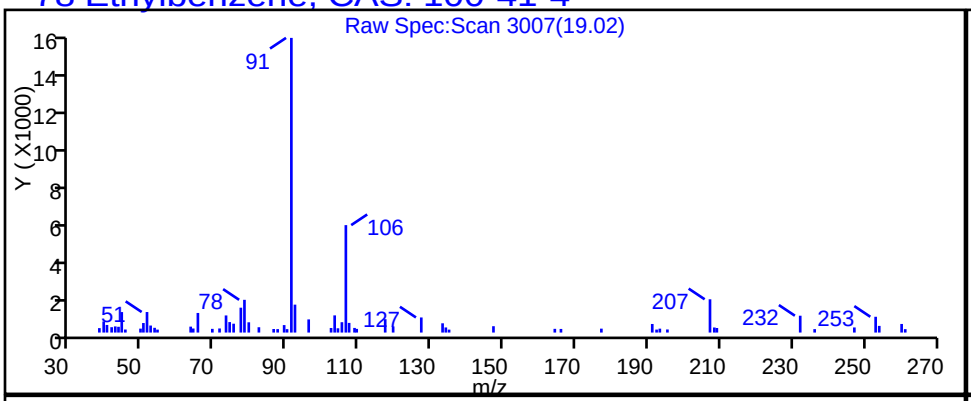
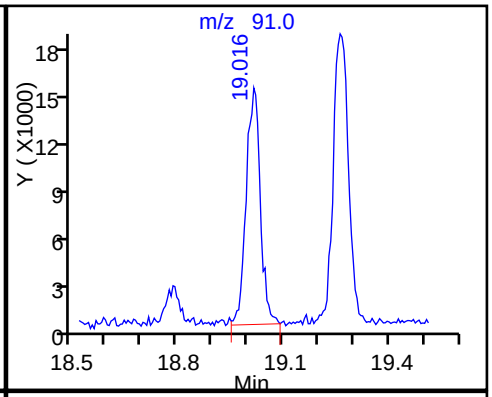
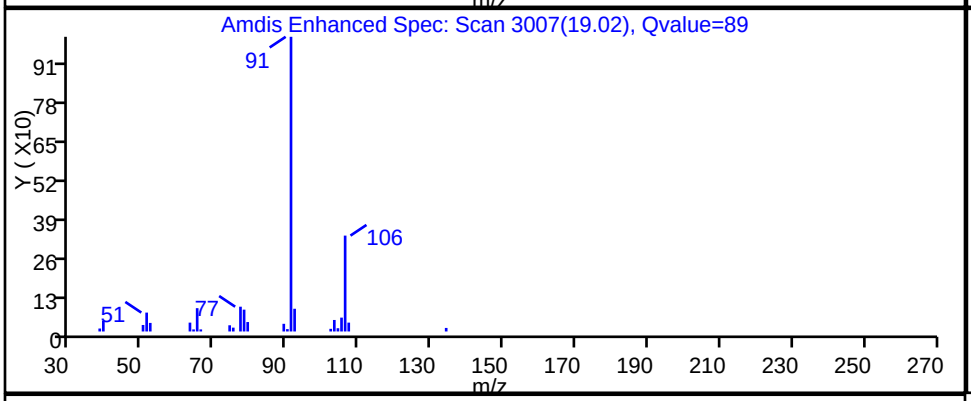
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

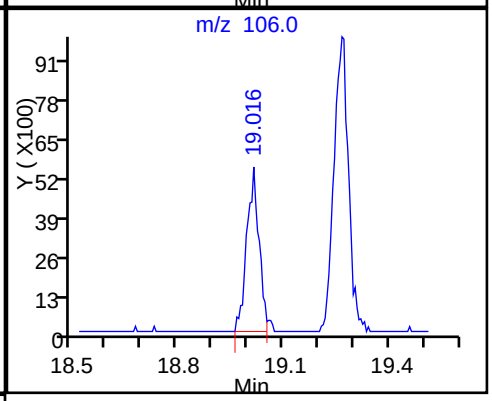
Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

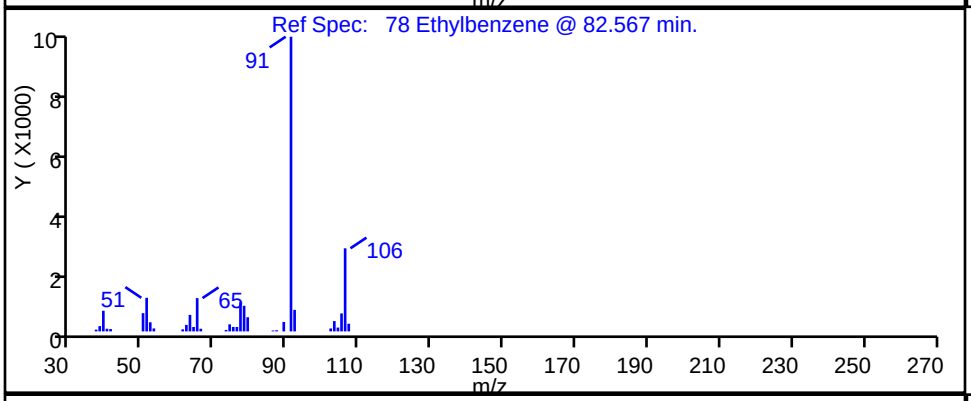
78 Ethylbenzene, CAS: 100-41-4

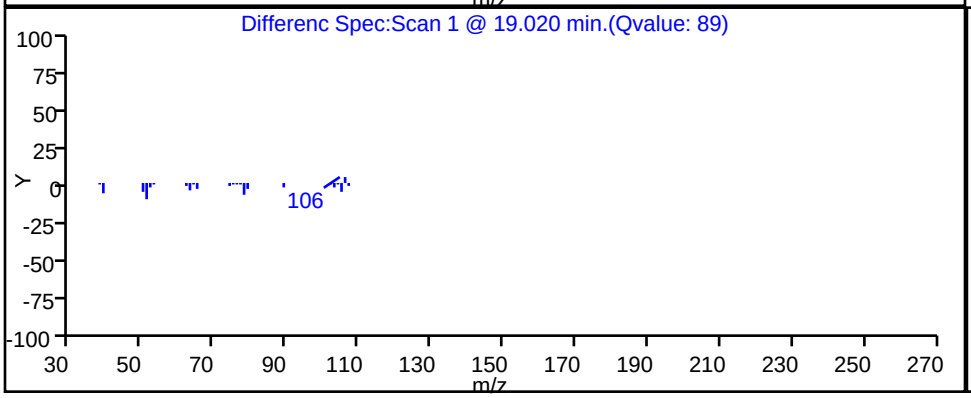


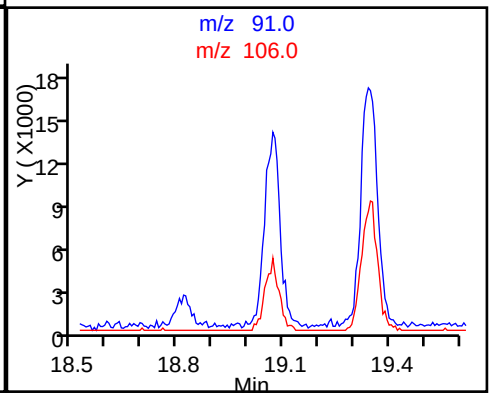












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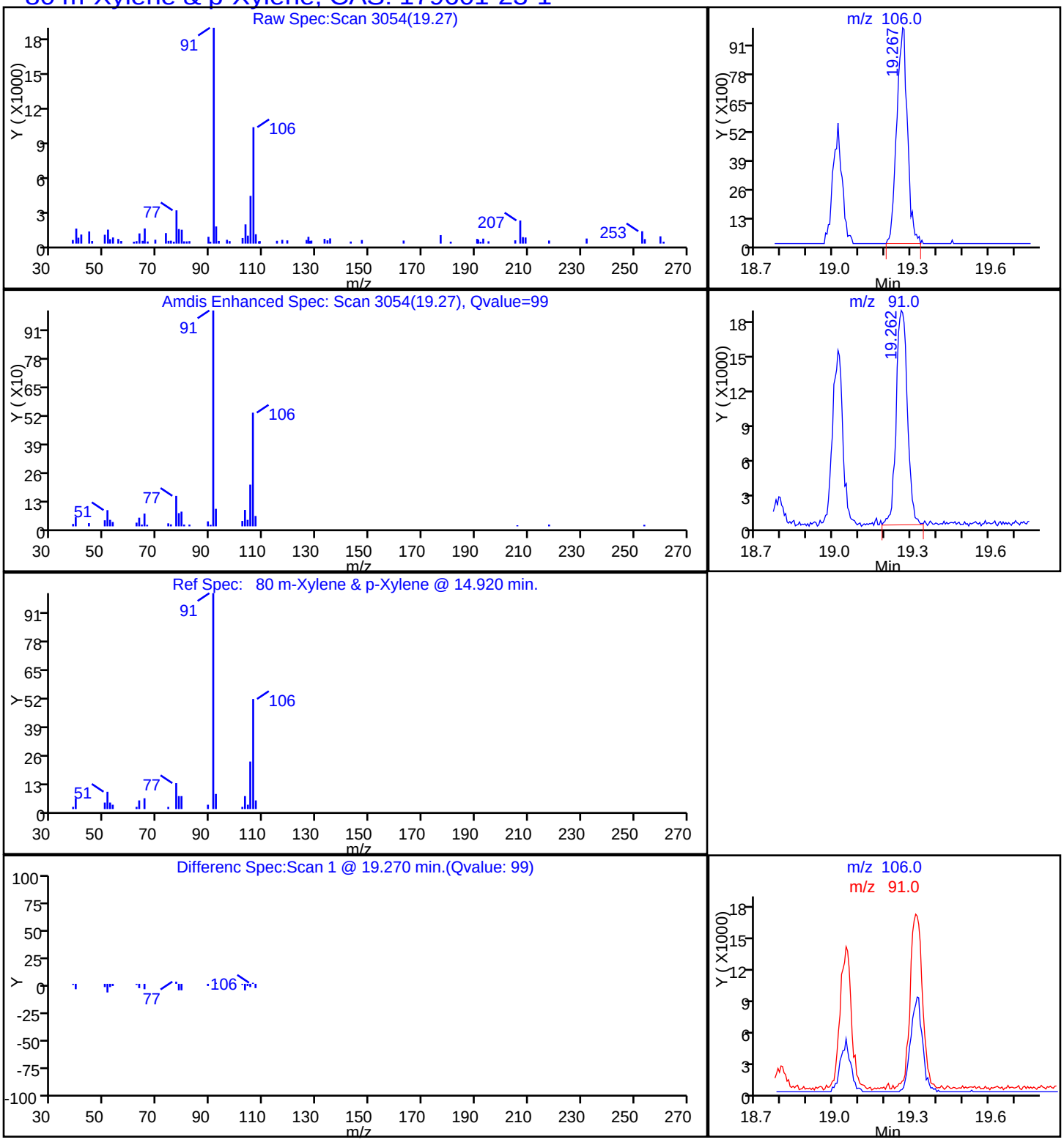
Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



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Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D				
Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
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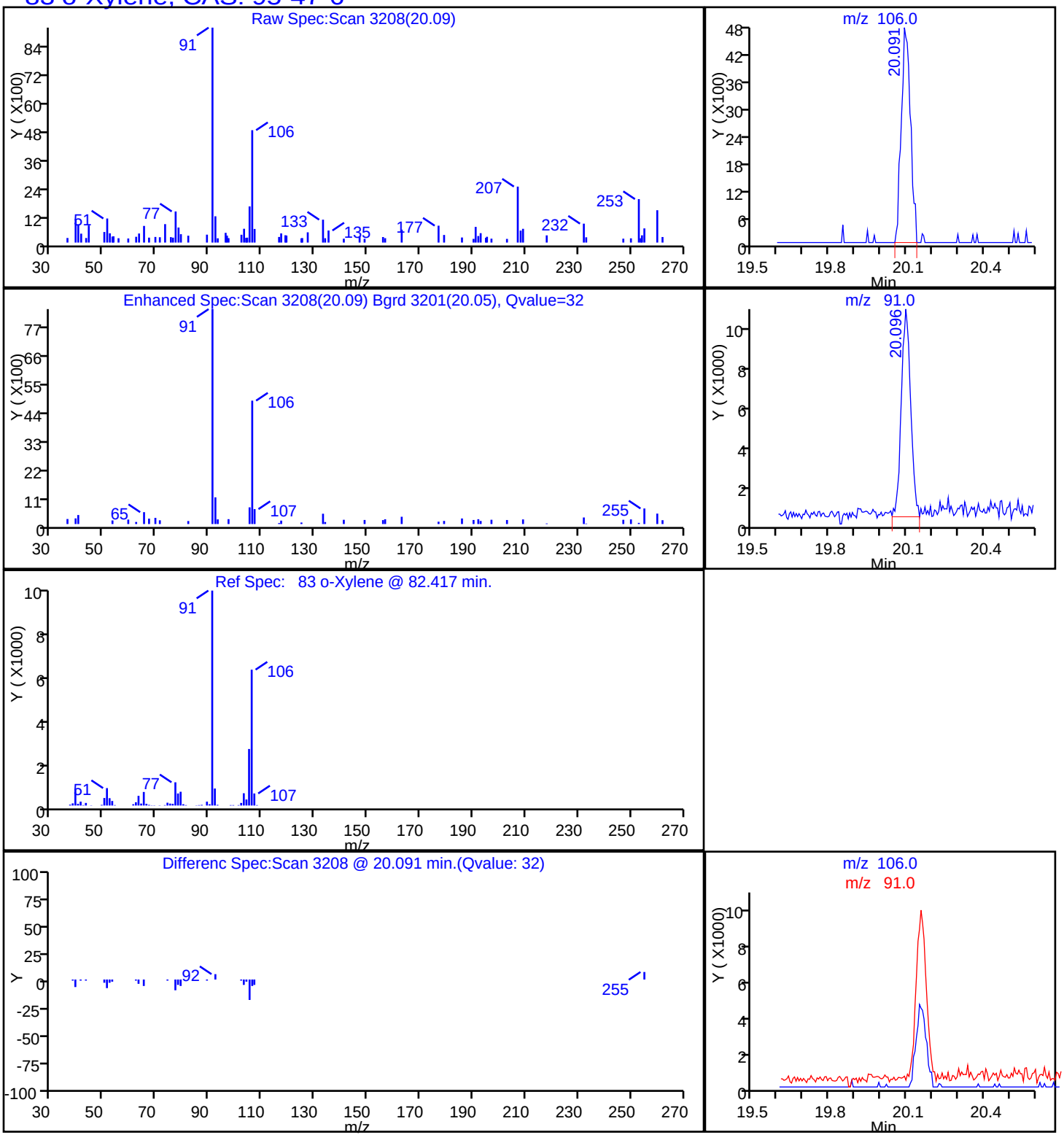
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



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Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
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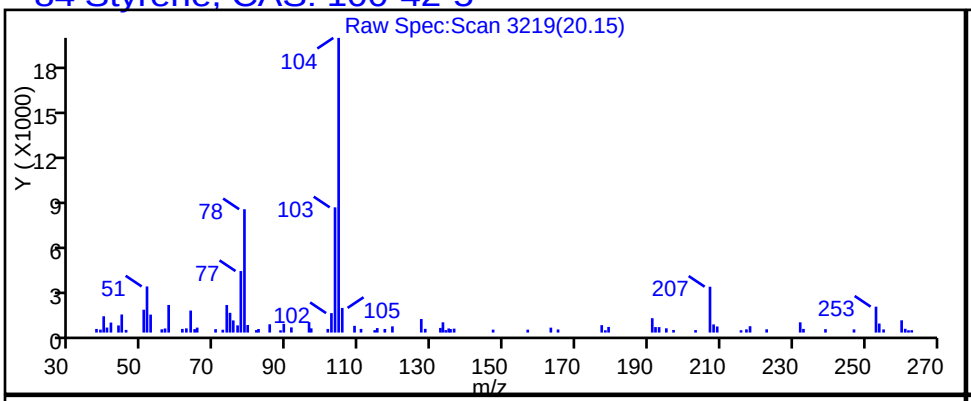
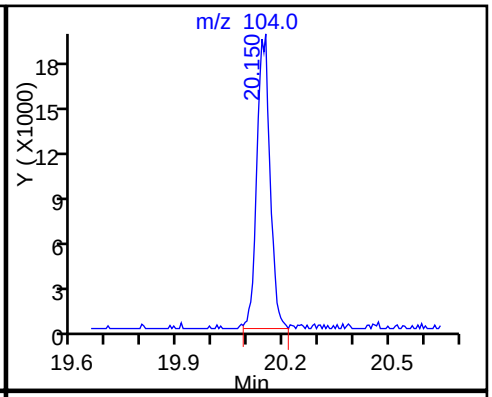
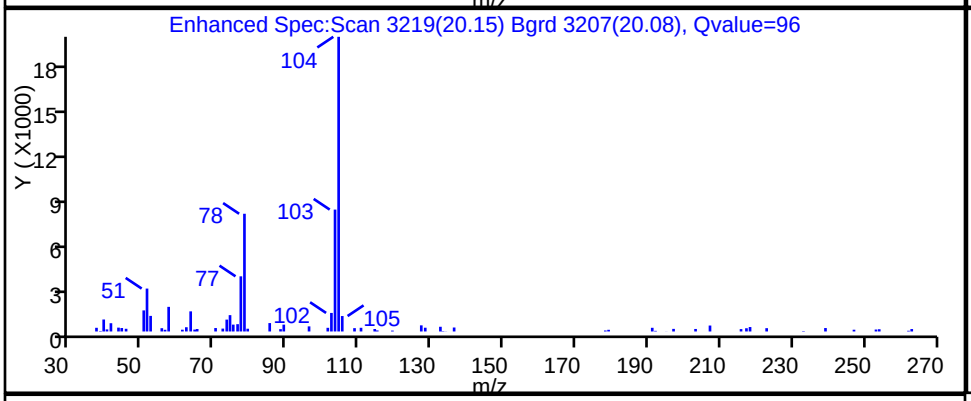
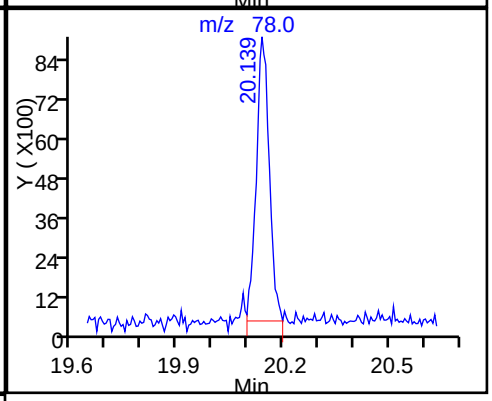
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

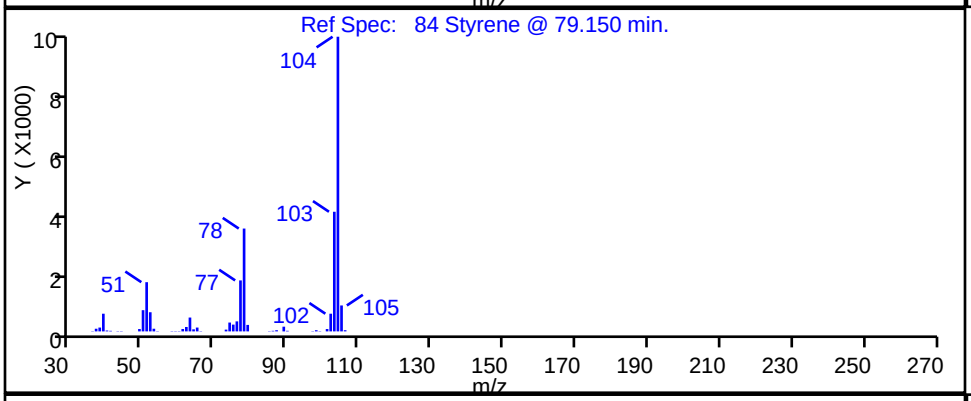
84 Styrene, CAS: 100-42-5

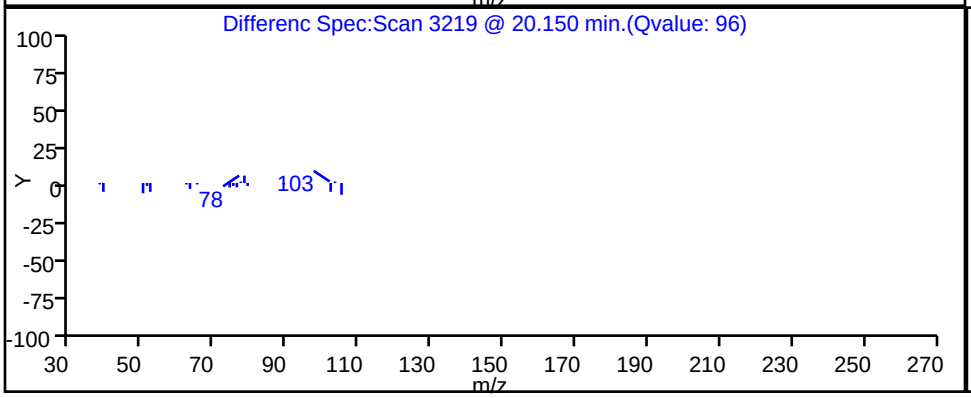


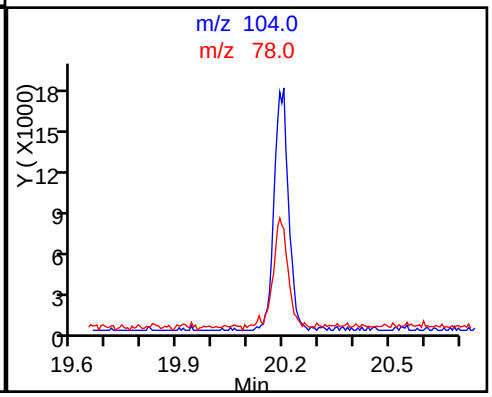












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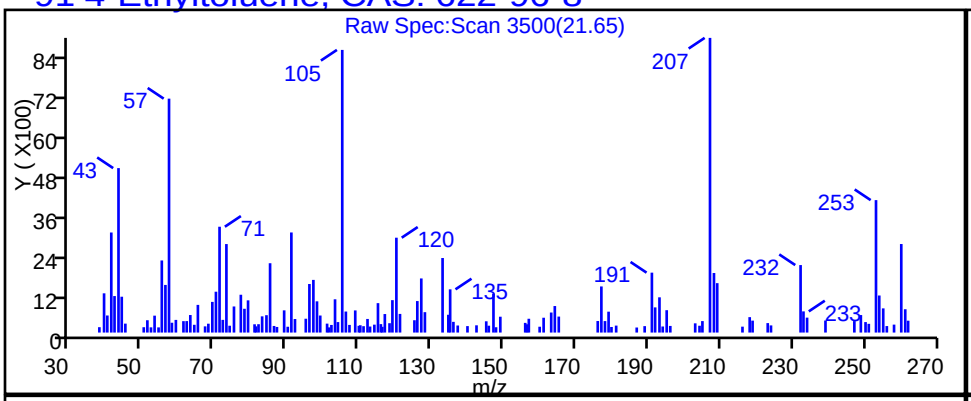
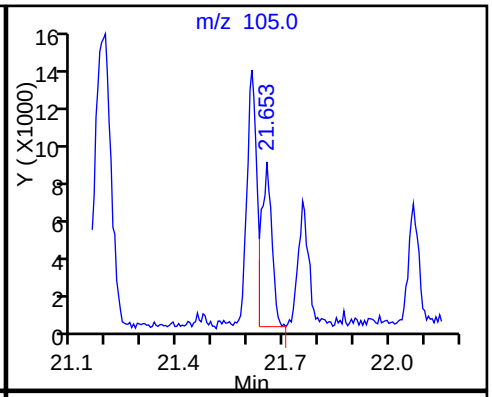
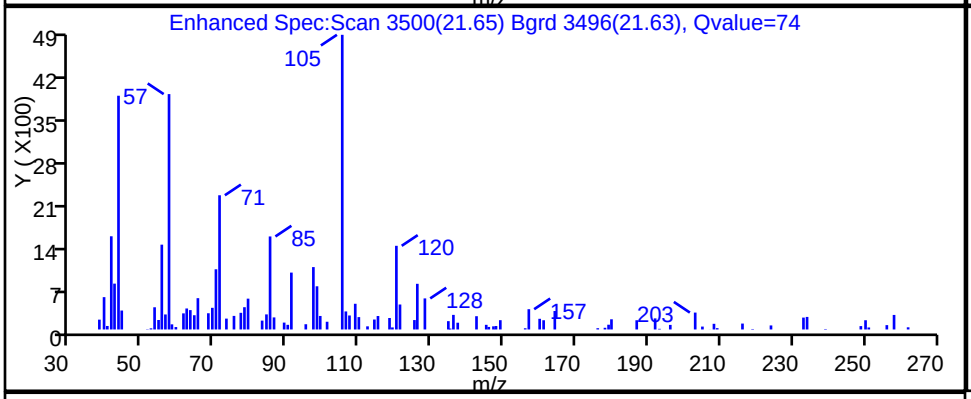
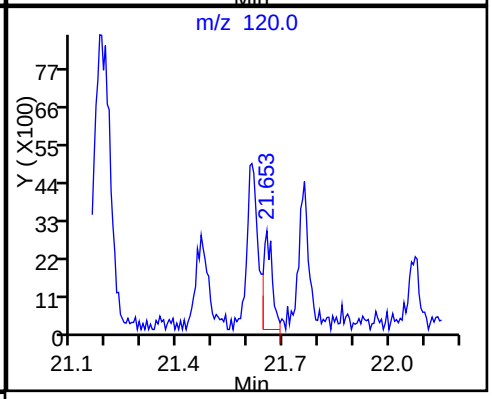
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

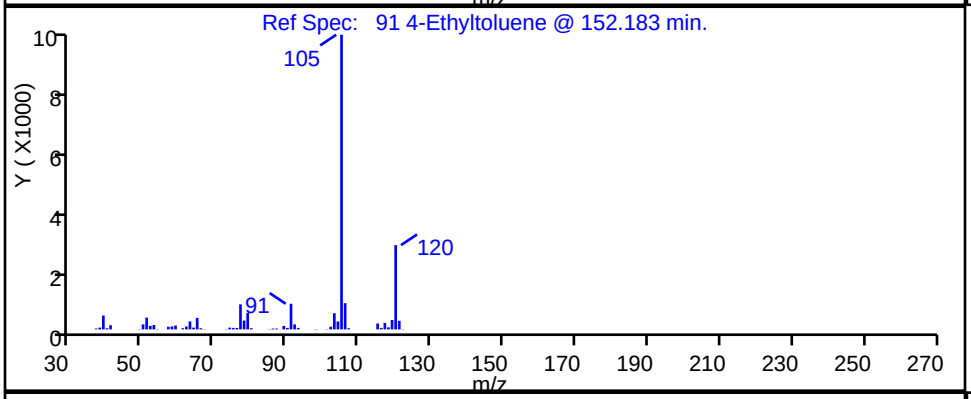
91 4-Ethyltoluene, CAS: 622-96-8

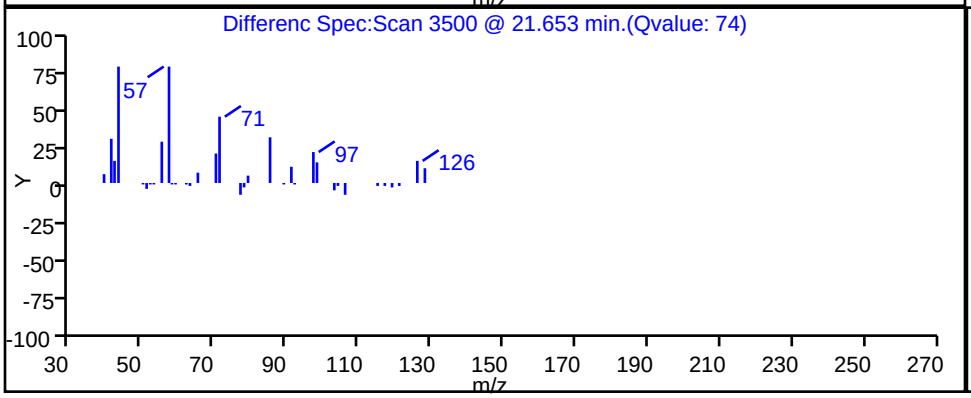


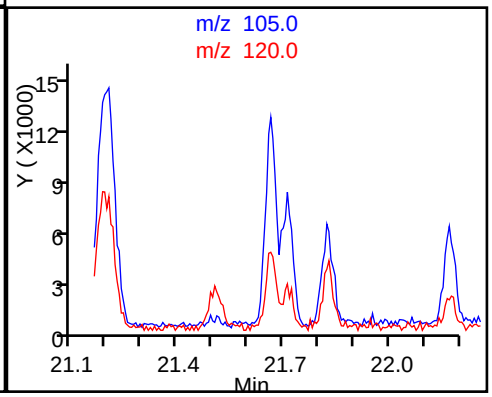












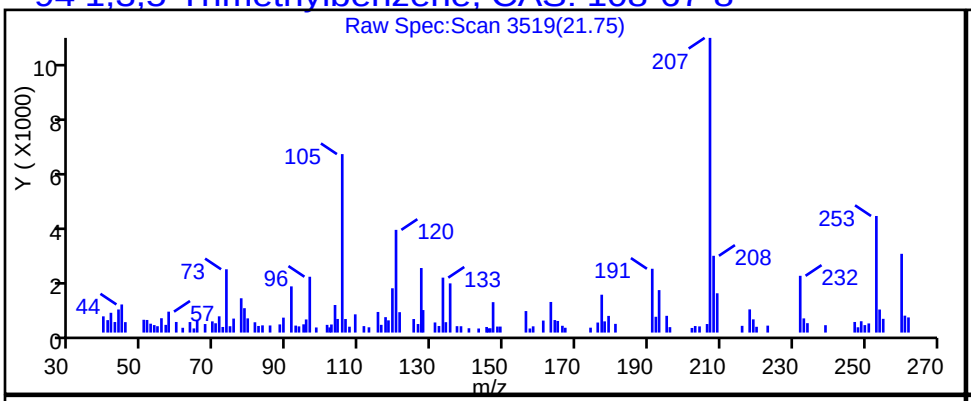
Report Date: 24-Feb-2014 11:48:23 Chrom Revision: 2.2 06-Feb-2014 15:19:06

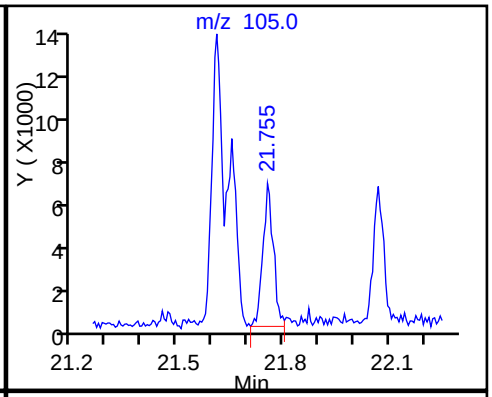
TestAmerica Burlington

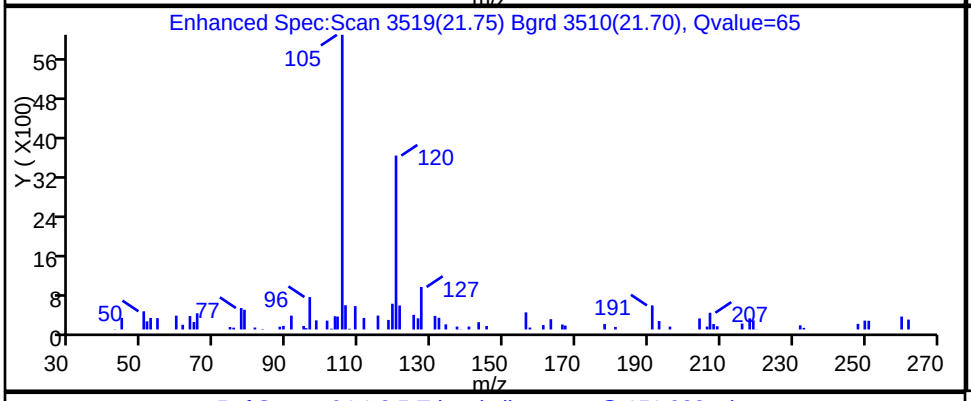
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

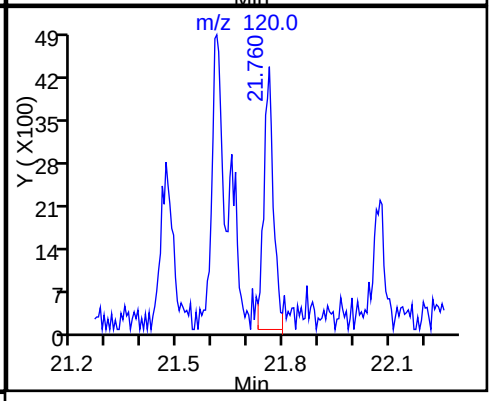
Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

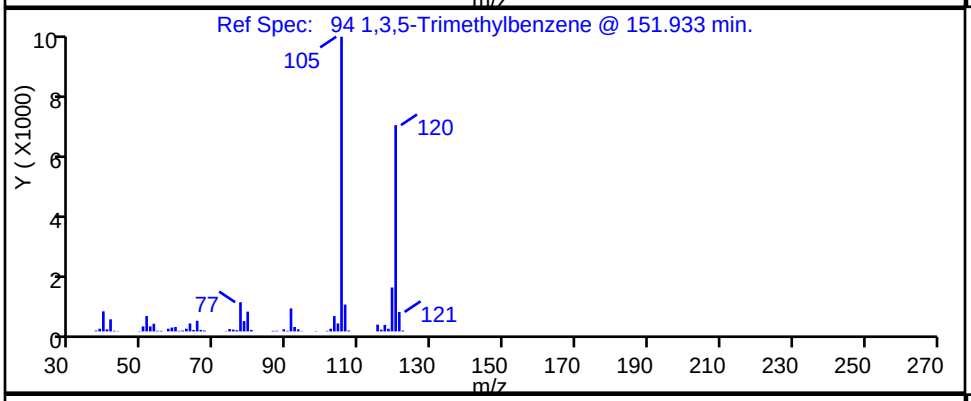
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

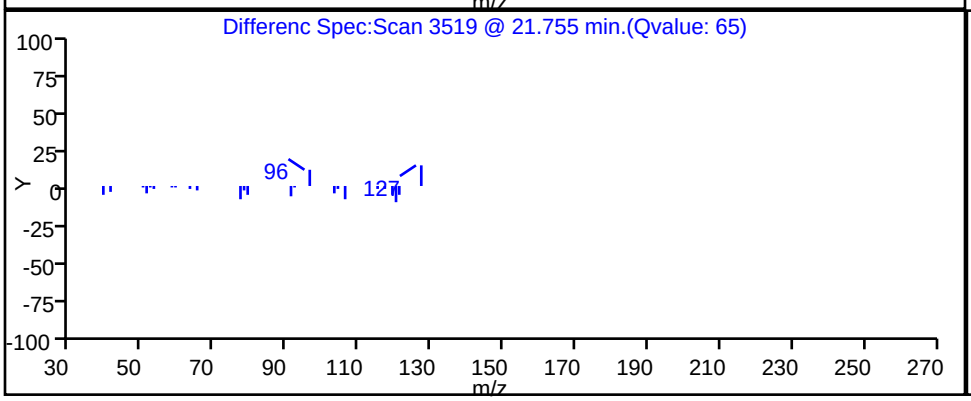


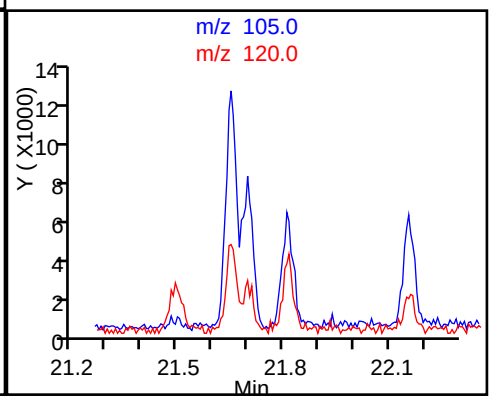












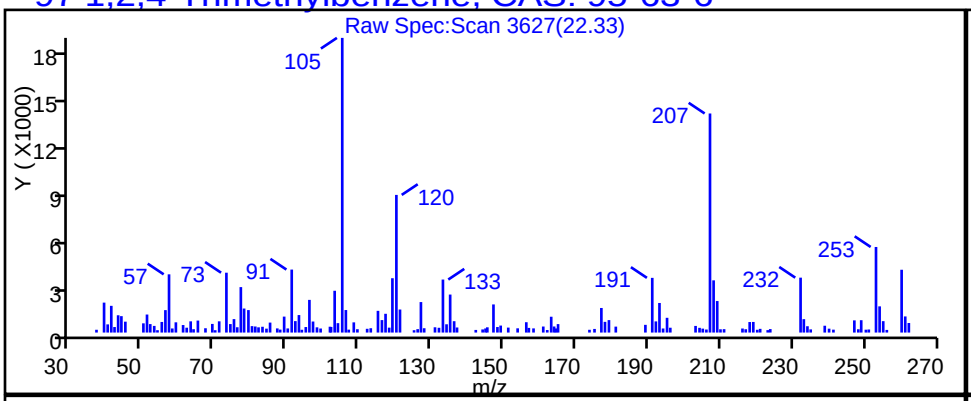
Report Date: 24-Feb-2014 11:48:23 Chrom Revision: 2.2 06-Feb-2014 15:19:06

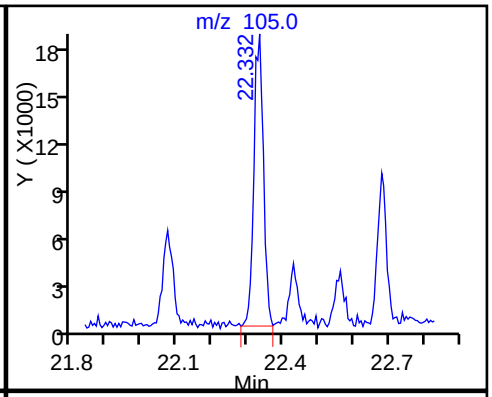
TestAmerica Burlington

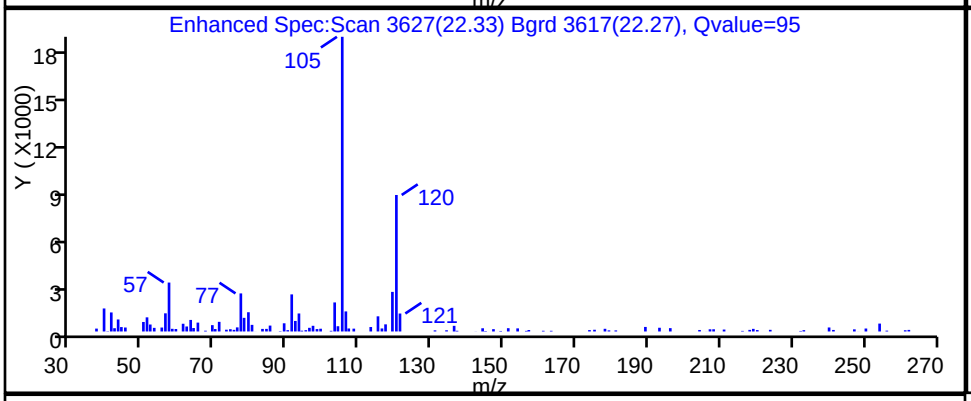
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

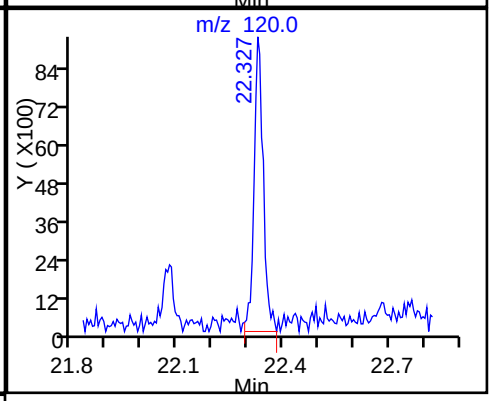
Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

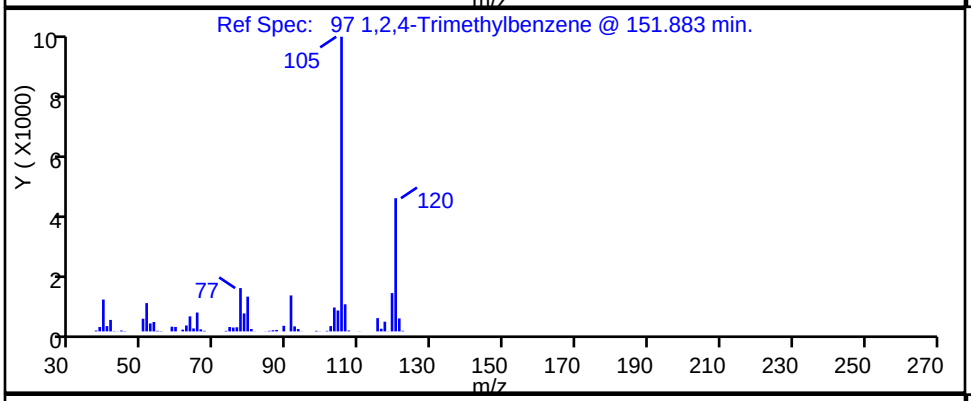
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

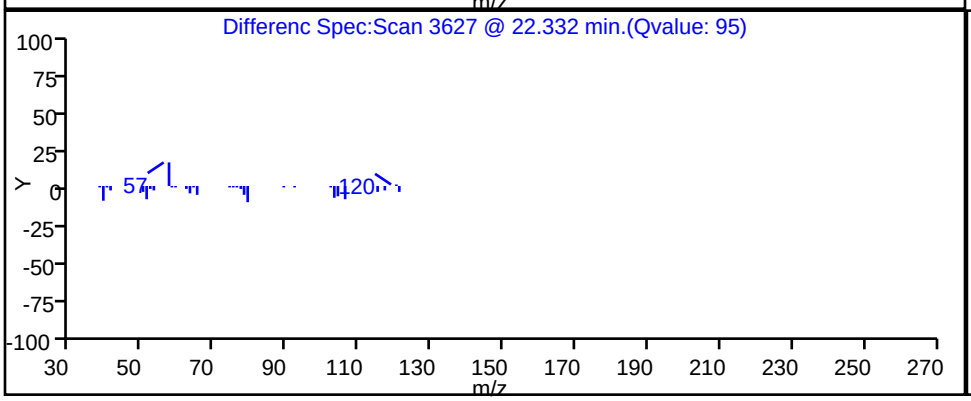


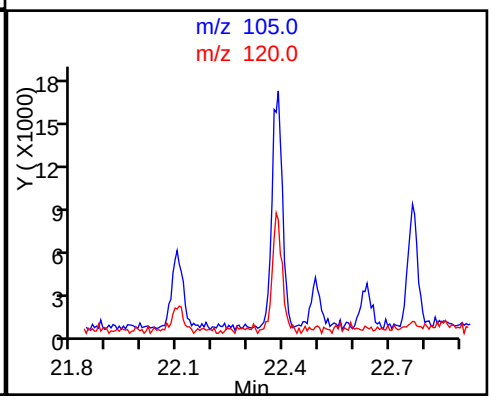












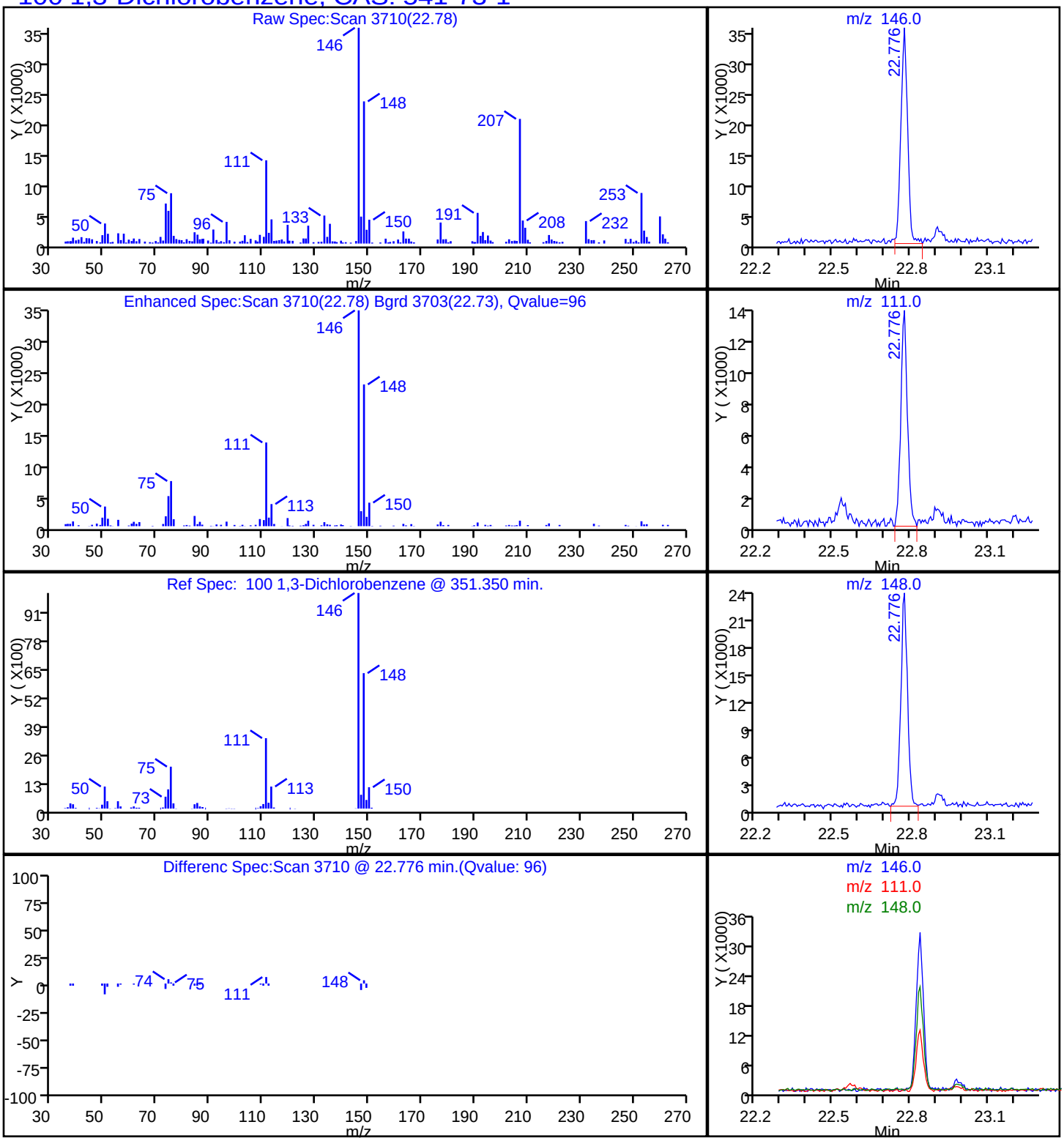
Report Date: 24-Feb-2014 11:48:23 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_017.D

Injection Date:	21-Feb-2014 23:55:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-4	Lab Sample ID:	200-20955-4		
Client ID:	SS-VMP-2B				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-2C Lab Sample ID: 200-20955-6

Matrix: Air Lab File ID: 6267_018.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:27

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 00:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.37	J	0.50	0.030
75-45-6	Freon 22	86.47	0.37	J	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.53		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.35		0.20	0.030
76-13-1	Freon 113	187.38	0.077	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	16		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	610	E	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.87		0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	5.4		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.19	J	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	21		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	1.1	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.35		0.20	0.021
110-82-7	Cyclohexane	84.16	9.5		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.054		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.12	J	0.20	0.027
71-43-2	Benzene	78.11	0.27		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.17	J	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-2C Lab Sample ID: 200-20955-6

Matrix: Air Lab File ID: 6267_018.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:27

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 00:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.026	J	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.21	J	0.50	0.027
108-88-3	Toluene	92.14	0.84		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.044	J	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.12	J	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.18	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.34	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.13	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.47		0.20	0.034
100-42-5	Styrene	104.15	0.46		0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.067	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.057	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.17	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.63		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-2C Lab Sample ID: 200-20955-6

Matrix: Air Lab File ID: 6267_018.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:27

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 00:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-2C Lab Sample ID: 200-20955-6

Matrix: Air Lab File ID: 6267_018.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:27

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 00:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	1.8	J	2.5	0.15
75-45-6	Freon 22	86.47	1.3	J	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	1.3		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	2.0		1.1	0.17
76-13-1	Freon 113	187.38	0.59	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	39		12	3.0
67-63-0	Isopropyl alcohol	60.10	1500	E	12	0.53
75-15-0	Carbon disulfide	76.14	2.7		1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	19		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.66	J	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	61		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	3.2	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.9		1.1	0.11
110-82-7	Cyclohexane	84.16	33		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.34		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.57	J	0.93	0.13
71-43-2	Benzene	78.11	0.87		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.70	J	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-2C Lab Sample ID: 200-20955-6

Matrix: Air Lab File ID: 6267_018.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:27

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 00:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.14	J	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.84	J	2.0	0.11
108-88-3	Toluene	92.14	3.2		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	0.30	J	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.57	J	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.80	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	1.5	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.58	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	2.0		0.87	0.15
100-42-5	Styrene	104.15	2.0		0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.33	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.28	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.86	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	3.8		1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-2C Lab Sample ID: 200-20955-6

Matrix: Air Lab File ID: 6267_018.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:27

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 00:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

Report Date: 24-Feb-2014 11:38:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D
Lims ID: 200-20955-A-6 Lab Sample ID: 200-20955-6
Client ID: SS-VMP-2C
Sample Type: Client
Inject. Date: 22-Feb-2014 00:43:30 ALS Bottle#: 15 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006267-018
Misc. Info.: 20955-6
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:38:08 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: lyonsb Date: 24-Feb-2014 10:45:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	99	81718	0.3714	
6 Chlorodifluoromethane	51	3.181	3.181	0.001	96	30944	0.3736	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.405					
8 Chloromethane	50		3.539					
9 Butane	43	3.753	3.758	-0.005	94	29438	0.5347	
10 Vinyl chloride	62	3.796	3.796	0.0	25	1625	0.0284	
11 Butadiene	54		3.876					
12 Bromomethane	94		4.577					
14 Chloroethane	64		4.828					
16 Vinyl bromide	106		5.229					
17 Trichlorofluoromethane	101	5.353	5.347	0.006	94	88158	0.3508	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.465	6.476	-0.011	80	12118	0.0768	
24 1,1-Dichloroethene	96		6.497					
25 Acetone	43	6.717	6.717	0.0	86	1008815	16.4	
26 Carbon disulfide	76	6.883	6.883	0.001	98	141560	0.8657	
27 Isopropyl alcohol	45	7.129	7.038	0.091	98	30410382	611.6	E
29 3-Chloro-1-propene	41		7.300					
31 Methylene Chloride	49	7.594	7.599	-0.005	82	267061	5.39	
32 2-Methyl-2-propanol	59		7.835					
33 Methyl tert-butyl ether	73		8.038					
34 trans-1,2-Dichloroethene	61		8.059					
36 Hexane	57	8.488	8.493	-0.005	88	10948	0.1860	
37 1,1-Dichloroethane	63	8.953	8.947	0.006	1	3631	0.0352	
39 cis-1,2-Dichloroethene	96		10.087					
40 2-Butanone (MEK)	72	10.130	10.135	-0.005	98	631183	20.6	
S 41 1,2-Dichloroethene, Total	61		10.200					
* 43 Chlorobromomethane	128	10.558	10.563	-0.005	68	701309	10.0	
44 Tetrahydrofuran	42	10.574	10.579	-0.005	82	51892	1.08	
45 Chloroform	83		10.702					
46 Cyclohexane	84	10.986	10.991	-0.005	83	960464	9.54	
47 1,1,1-Trichloroethane	97	11.002	11.002	0.0	92	84469	0.3545	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	48 Carbon tetrachloride	117	11.259	11.269	-0.010	56	16531	0.0544		
	50 Benzene	78	11.735	11.740	-0.005	92	73052	0.2713		
	51 Isooctane	57	11.762	11.761	0.001	57	39296	0.1223		
	52 1,2-Dichloroethane	62		11.911						
	53 n-Heptane	43	12.174	12.168	0.006	82	20262	0.1697		
*	54 1,4-Difluorobenzene	114	12.623	12.623	0.0	91	4034897	10.0		
	56 Trichloroethene	95	13.115	13.110	0.005	80	4945	0.0259		
	58 1,2-Dichloropropane	63		13.682						
	59 Methyl methacrylate	69		13.880						
	60 1,4-Dioxane	88		13.917						
	62 Dichlorobromomethane	83		14.249						
	64 cis-1,3-Dichloropropene	75		15.228						
	65 4-Methyl-2-pentanone (MIBK)	43	15.528	15.528	0.0	93	40564	0.2057		
	66 Toluene	92	15.849	15.849	0.0	92	243972	0.8380		
	70 trans-1,3-Dichloropropene	75		16.437						
	71 1,1,2-Trichloroethane	83		16.812						
	72 Tetrachloroethene	166	16.956	16.961	-0.005	93	13900	0.0444		
	73 2-Hexanone	43	17.288	17.282	0.006	87	14497	0.0832		7
	74 Chlorodibromomethane	129		17.587						
	75 Ethylene Dibromide	107		17.860						
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	81	3973816	10.0		
	77 Chlorobenzene	112	18.845	18.844	0.001	54	52621	0.1246		
	78 Ethylbenzene	91	19.010	19.016	-0.006	96	111210	0.1839		
	80 m-Xylene & p-Xylene	106	19.257	19.272	-0.015	99	85239	0.3448		
S	82 Xylenes, Total	106				0		0.4789		7
	83 o-Xylene	106	20.091	20.102	-0.011	49	34611	0.1341		
	84 Styrene	104	20.145	20.144	0.001	97	159336	0.4638		
	85 Bromoform	173		20.530						
$	87 4-Bromofluorobenzene	95	21.108	21.107	0.001	96	2075508	NC		
	88 1,1,2,2-Tetrachloroethane	83		21.364						
	90 N-Propylbenzene	91		21.471						
	92 2-Chlorotoluene	91		21.653						
	91 4-Ethyltoluene	105	21.653	21.653	0.0	89	39888	0.0668		
	94 1,3,5-Trimethylbenzene	105	21.755	21.760	-0.005	76	33825	0.0573		
	96 tert-Butylbenzene	119		22.242						
	97 1,2,4-Trimethylbenzene	105	22.327	22.332	-0.005	96	99384	0.1741		
	98 sec-Butylbenzene	105		22.562						
	99 4-Isopropyltoluene	119		22.760						
	100 1,3-Dichlorobenzene	146	22.777	22.776	0.001	98	222024	0.6260		
	101 1,4-Dichlorobenzene	146		22.910						
	102 Benzyl chloride	91		23.103						
	103 n-Butylbenzene	91		23.338						
	105 1,2-Dichlorobenzene	146		23.451						
	107 1,2,4-Trichlorobenzene	180		26.013						
	108 Hexachlorobutadiene	225		26.227						
	109 Naphthalene	128		26.505						

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

WorkSheet Quantitation Report

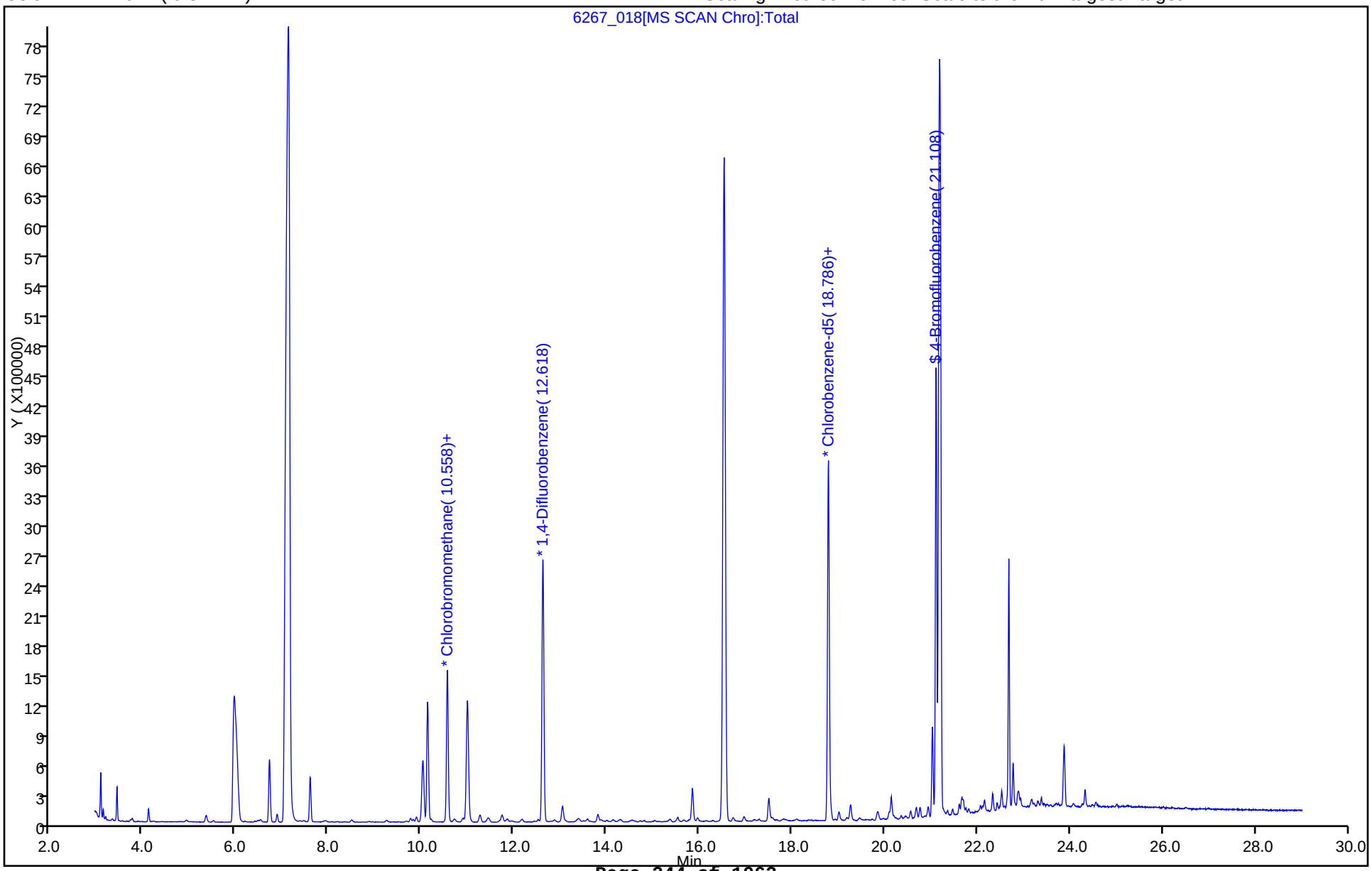
Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 24-Feb-2014 11:38:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D				
Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6	Worklist Smp#:	18
Client ID:	SS-VMP-2C				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



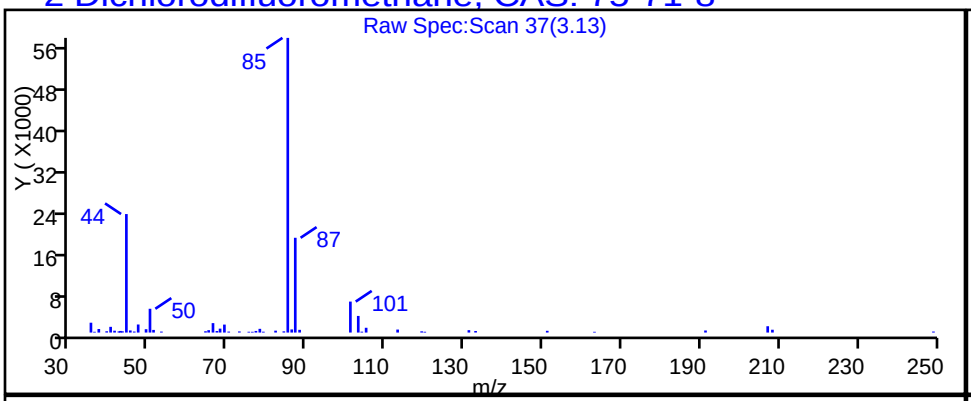
Report Date: 24-Feb-2014 11:38:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

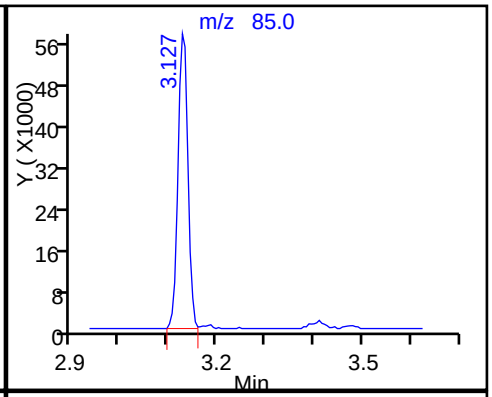
TestAmerica Burlington

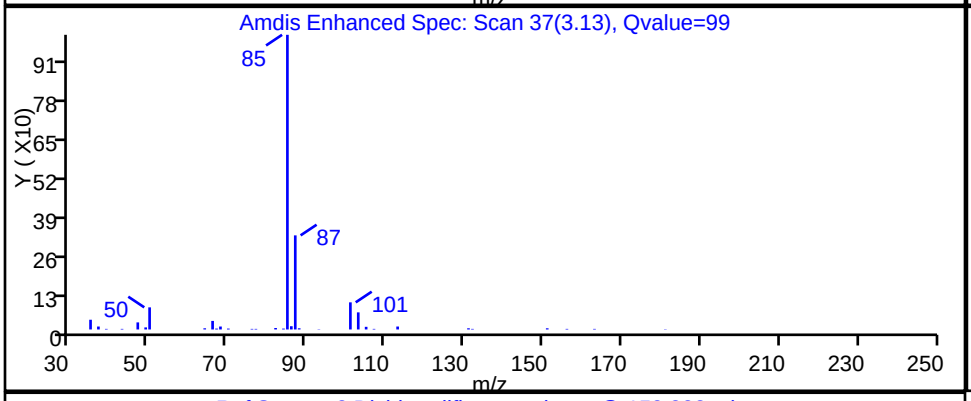
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

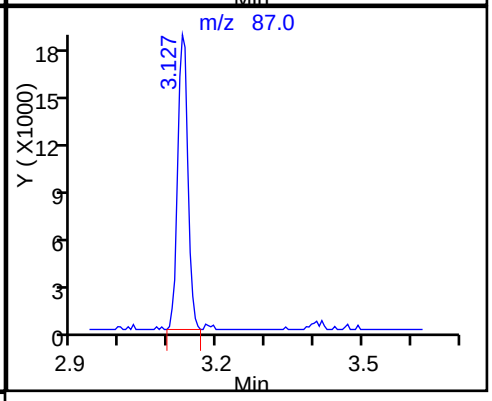
Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

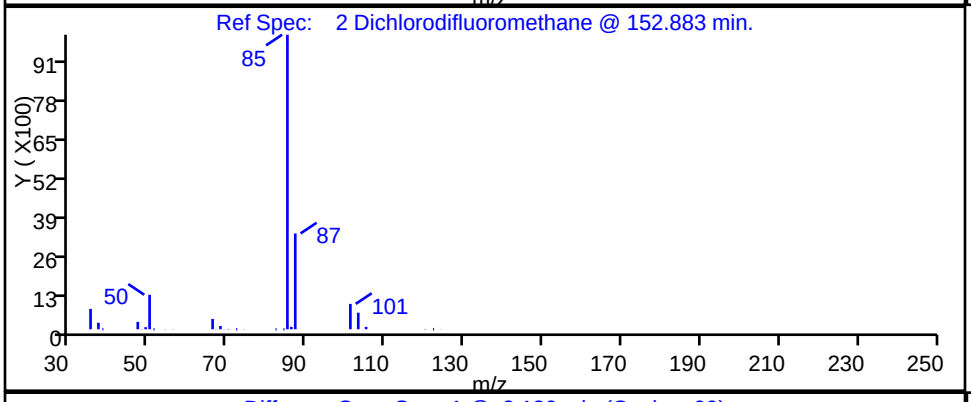
2 Dichlorodifluoromethane, CAS: 75-71-8

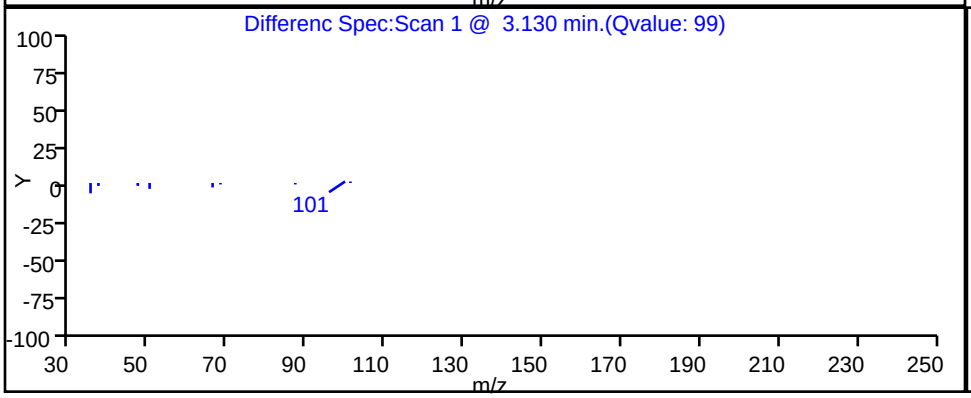


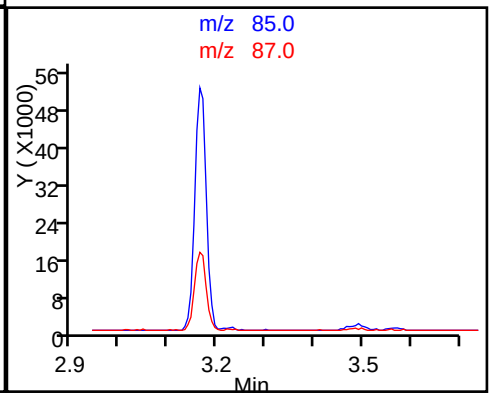












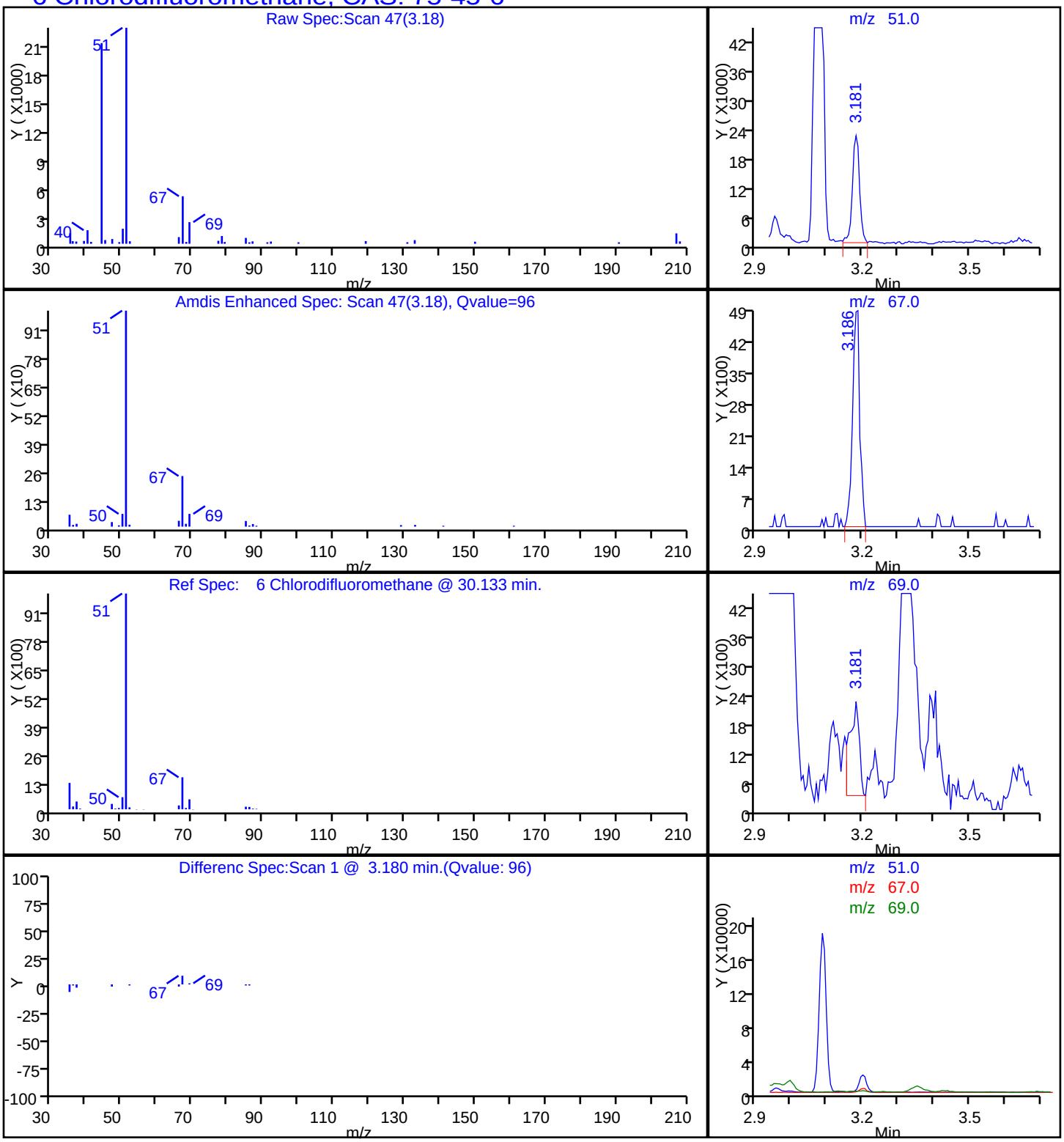
Report Date: 24-Feb-2014 11:38:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



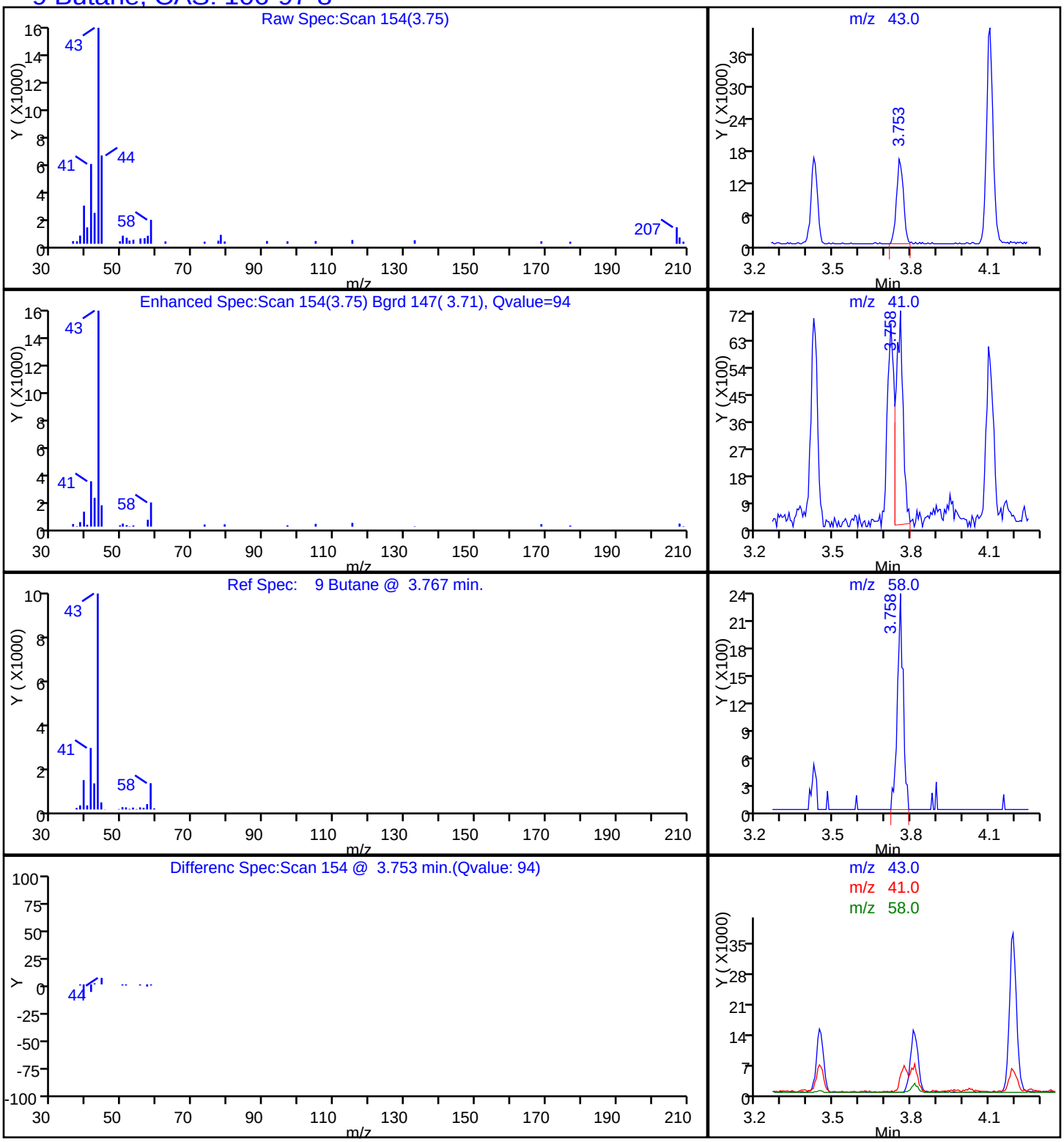
Report Date: 24-Feb-2014 11:38:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



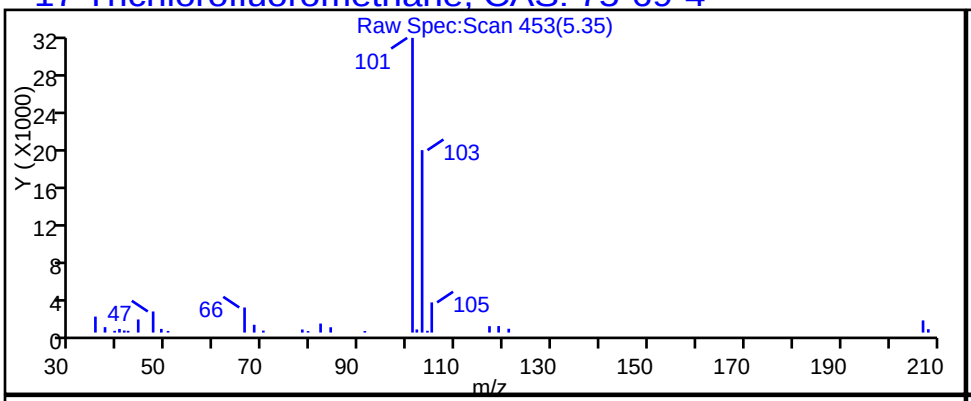
Report Date: 24-Feb-2014 11:38:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

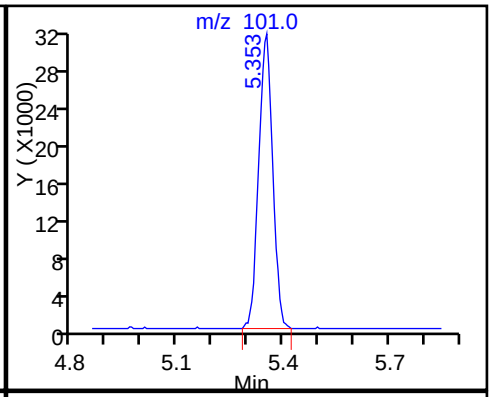
TestAmerica Burlington

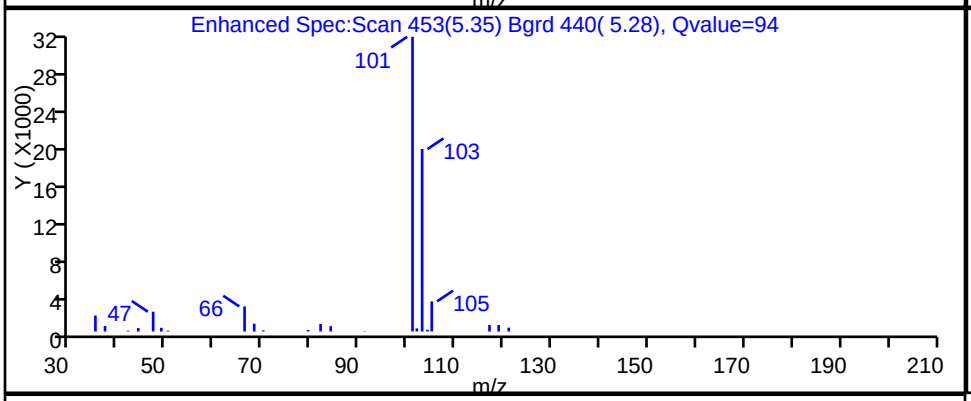
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

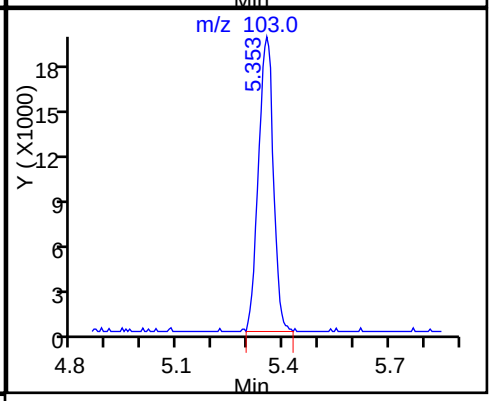
Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

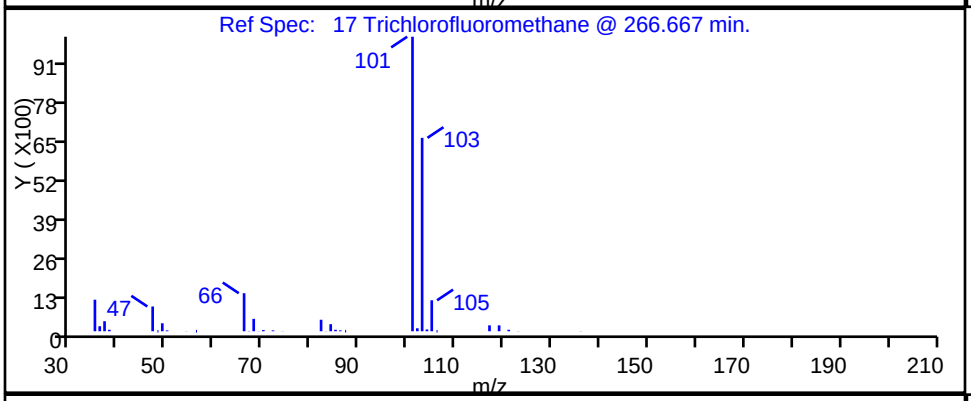
17 Trichlorofluoromethane, CAS: 75-69-4

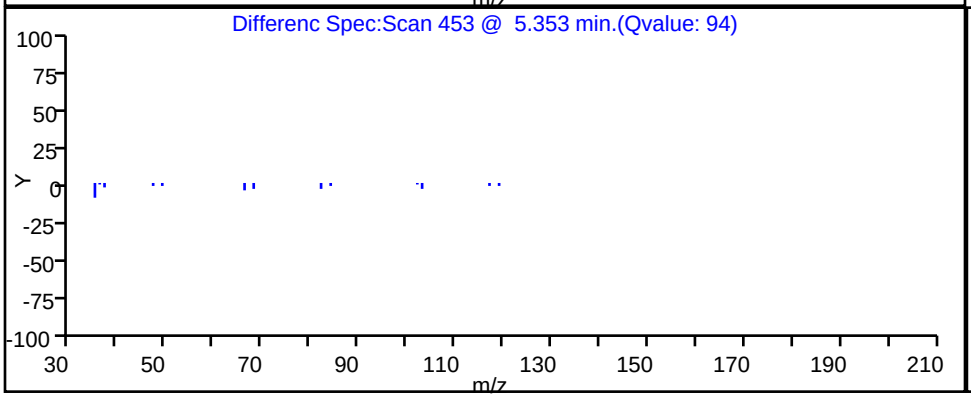


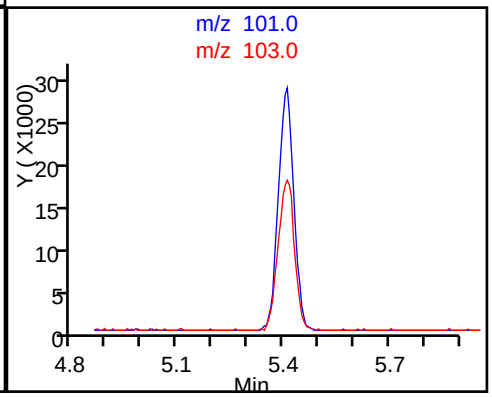












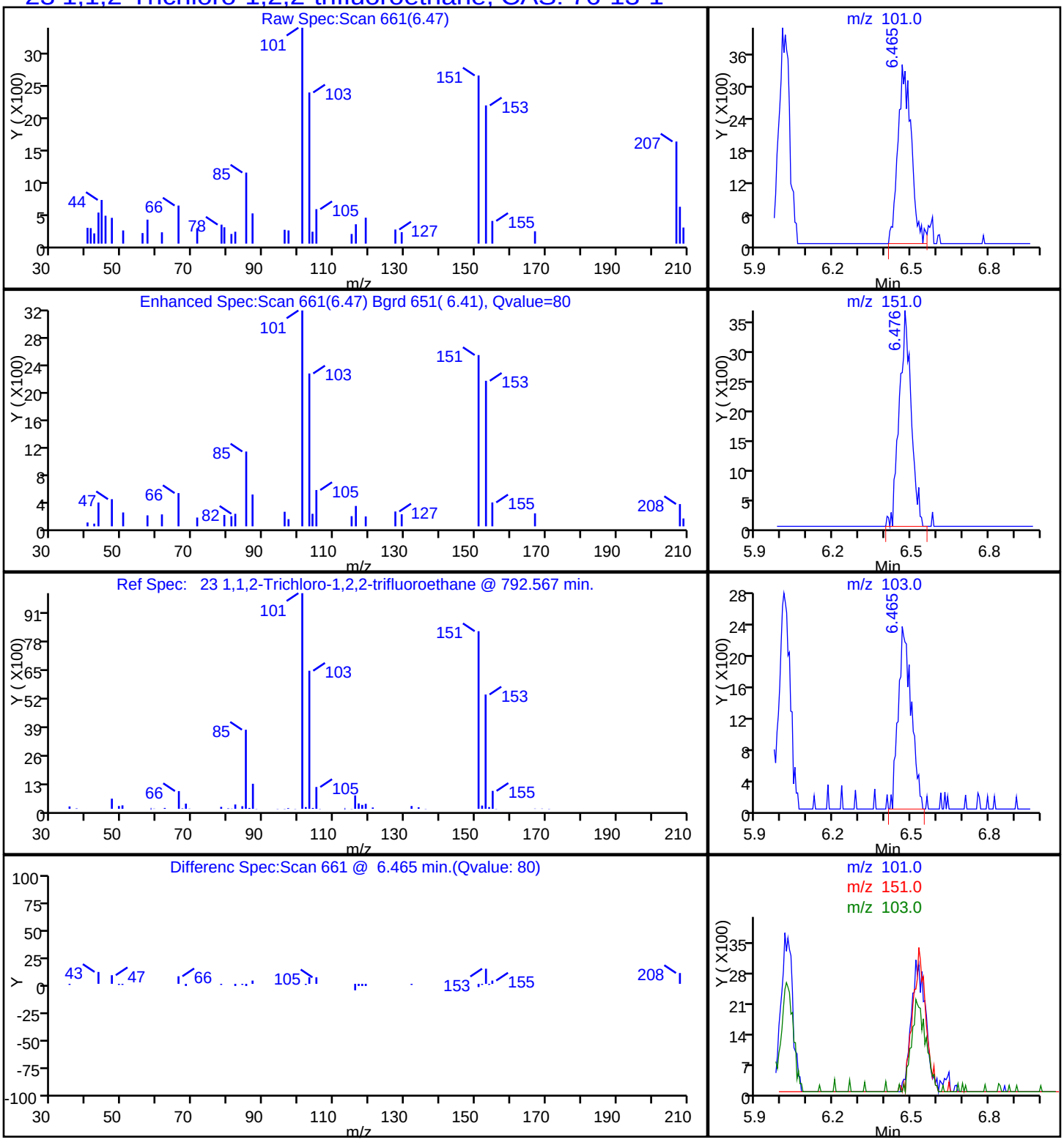
Report Date: 24-Feb-2014 11:38:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



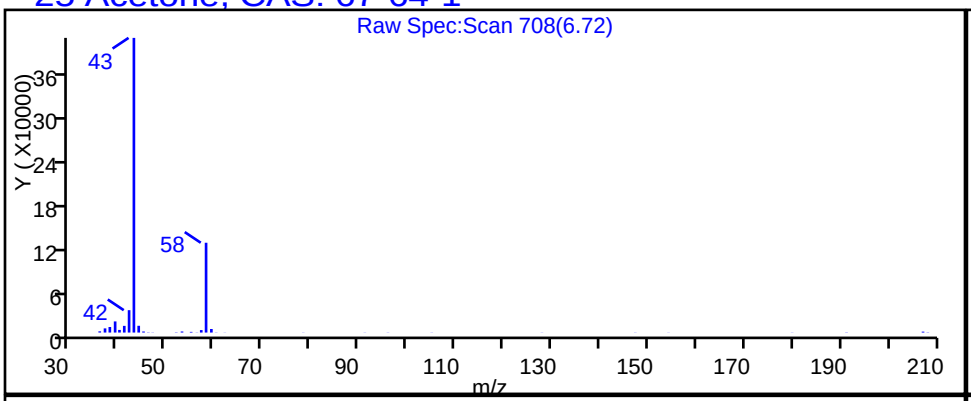
Report Date: 24-Feb-2014 11:38:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

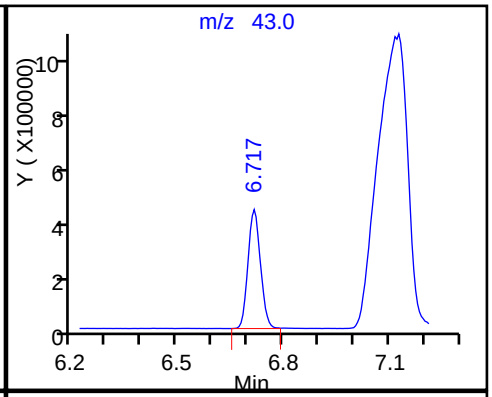
TestAmerica Burlington

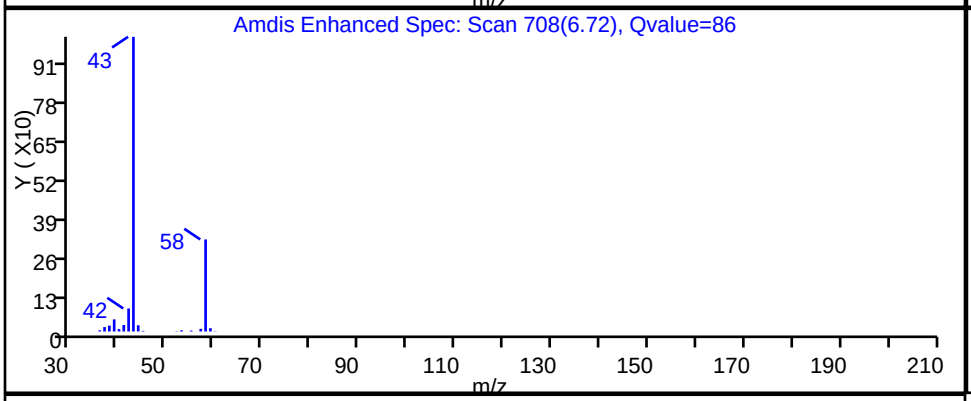
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

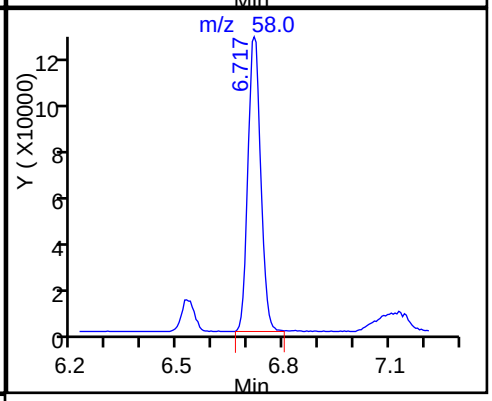
Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

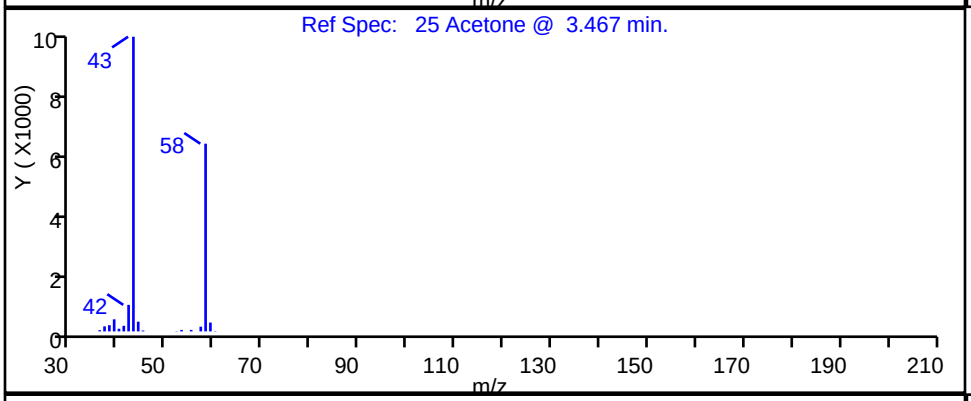
25 Acetone, CAS: 67-64-1

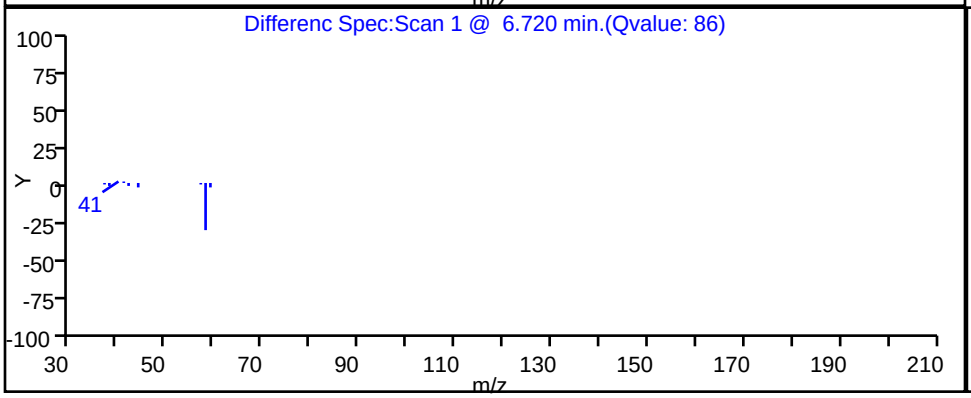


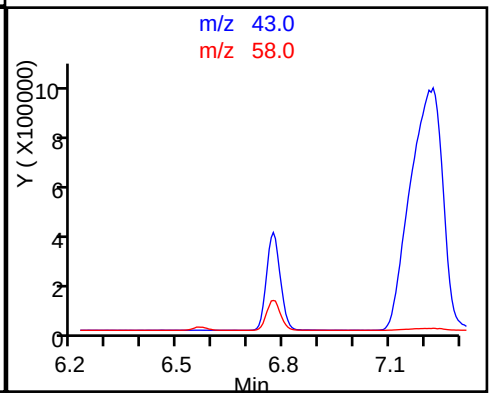












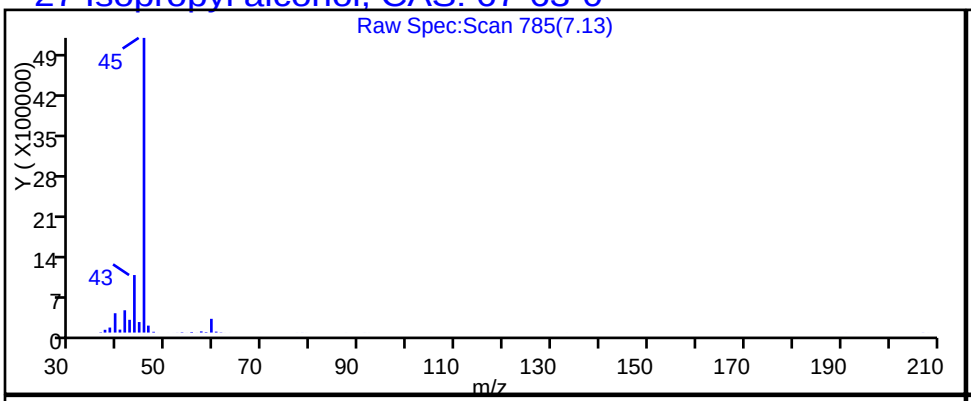
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

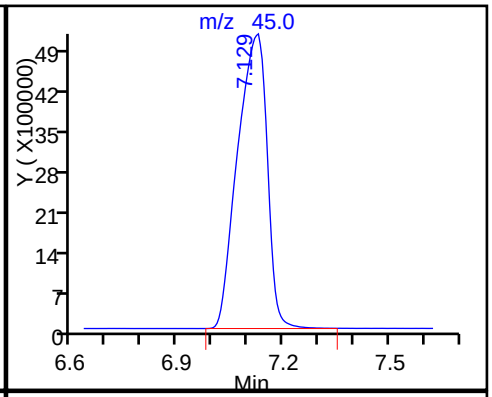
TestAmerica Burlington

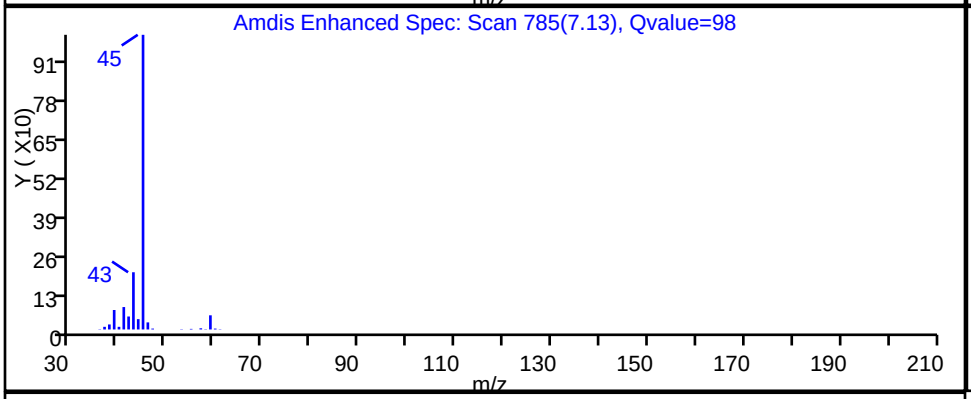
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

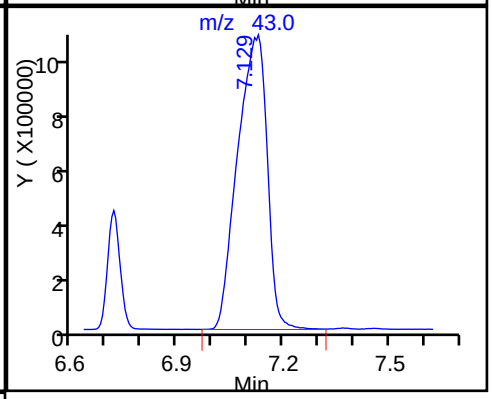
Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

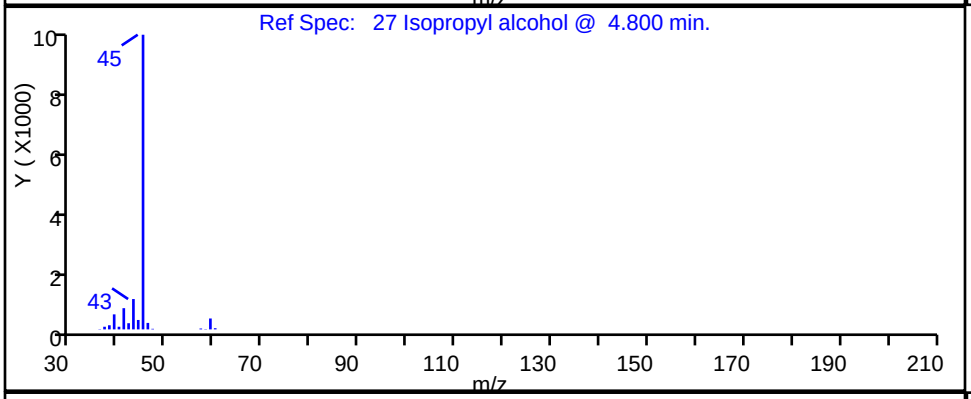
27 Isopropyl alcohol, CAS: 67-63-0

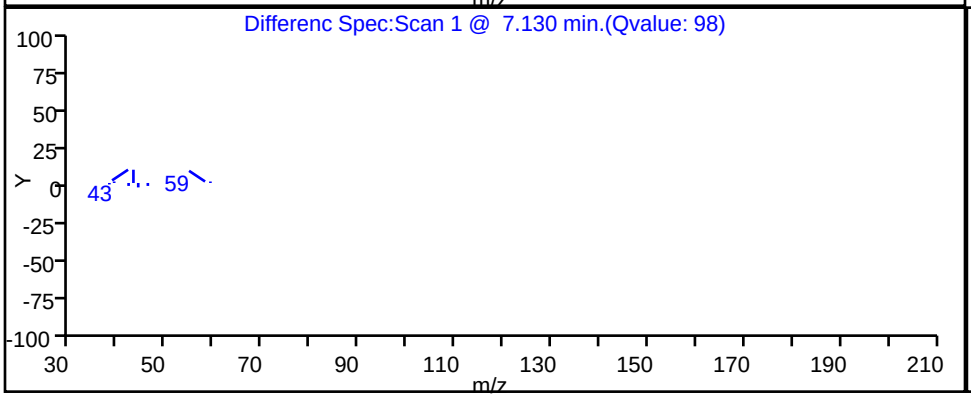


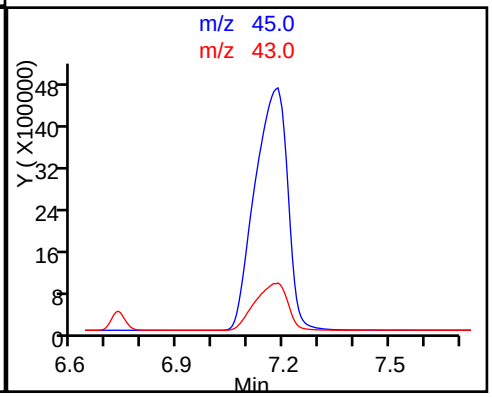










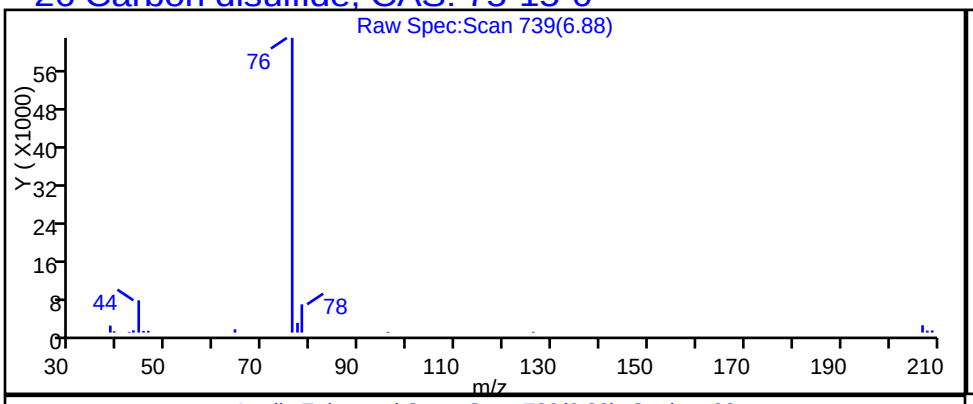


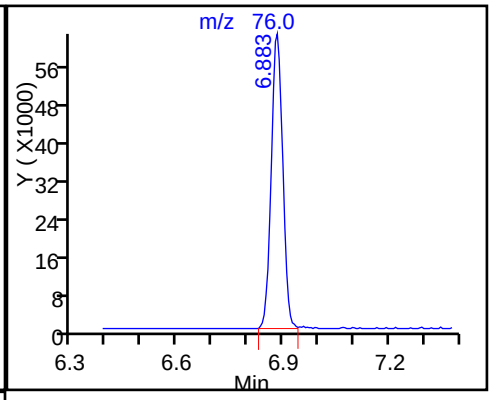
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

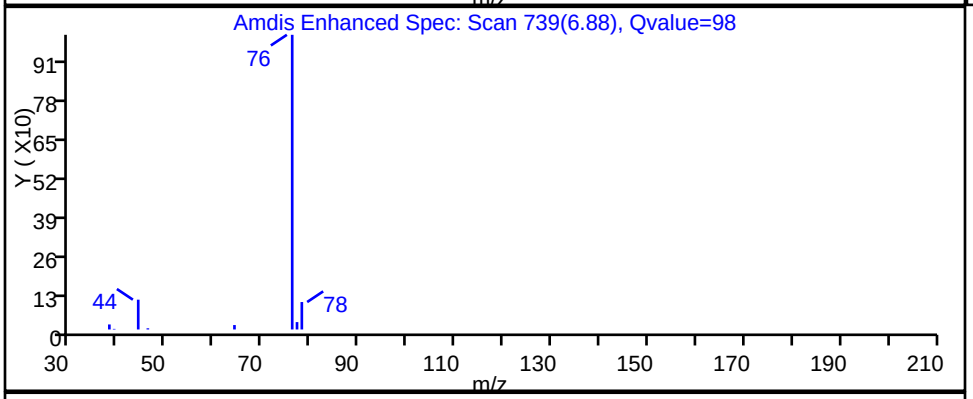
TestAmerica Burlington

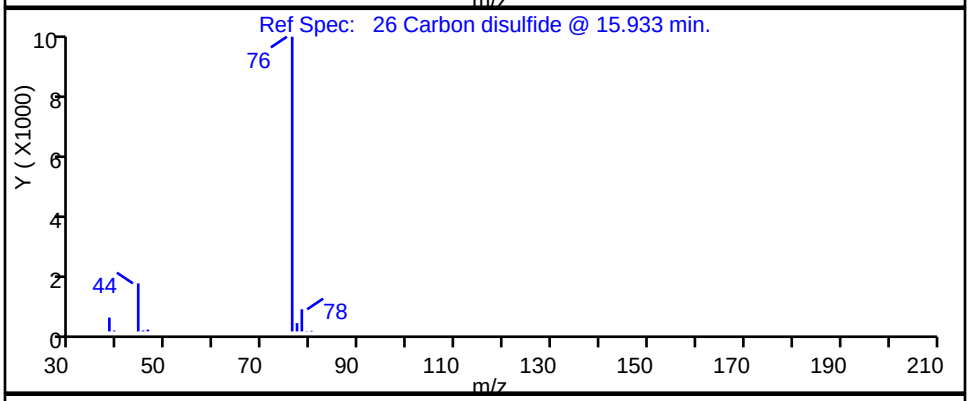
Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D				
Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

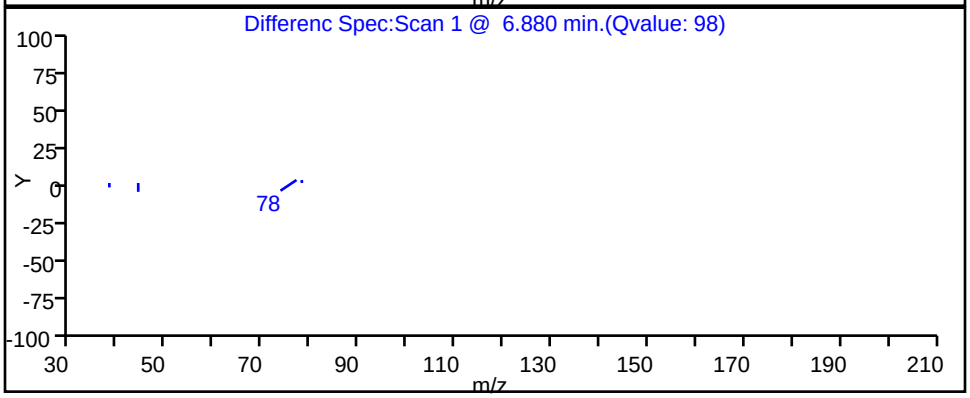
26 Carbon disulfide, CAS: 75-15-0









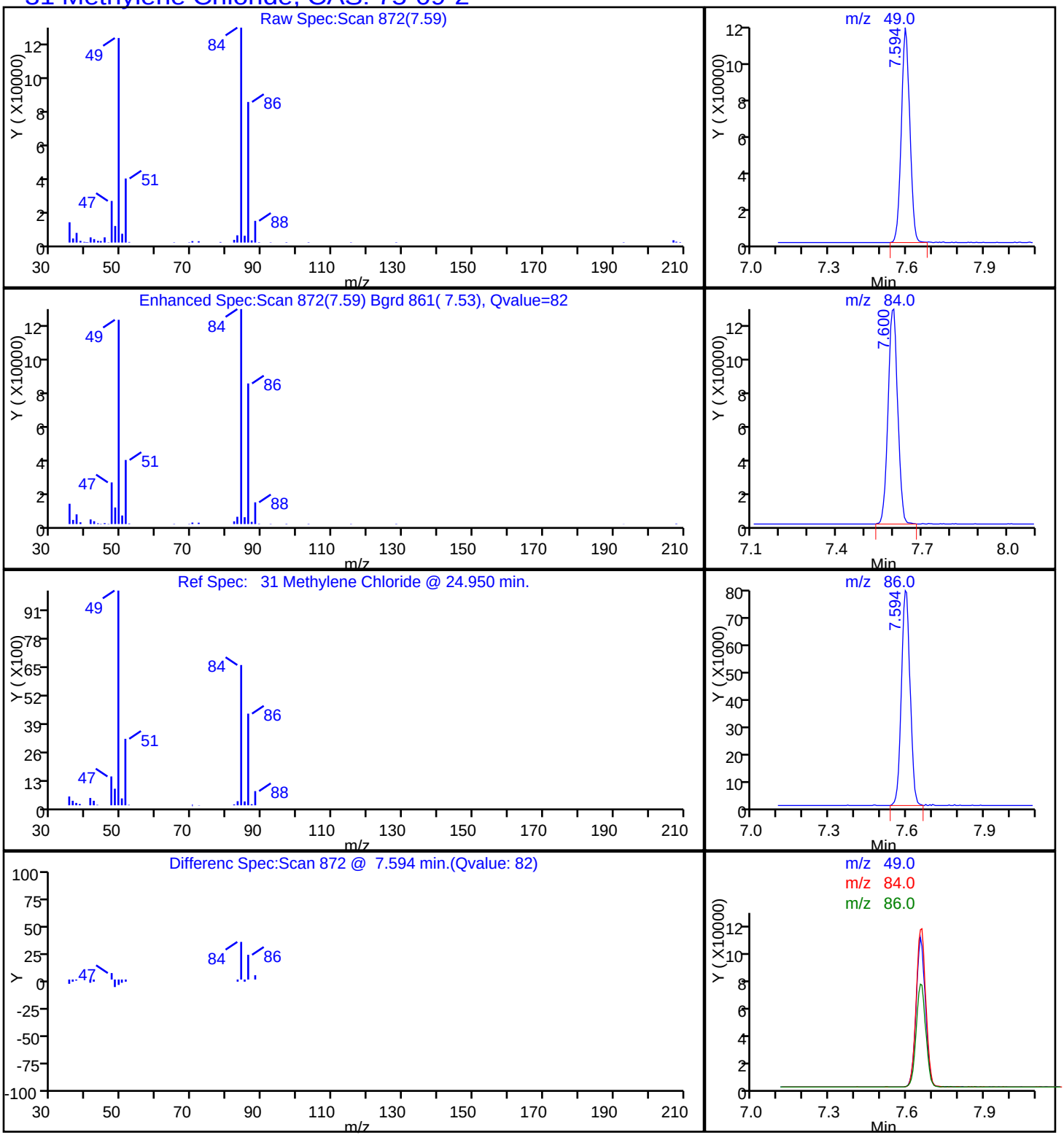


Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D				
Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



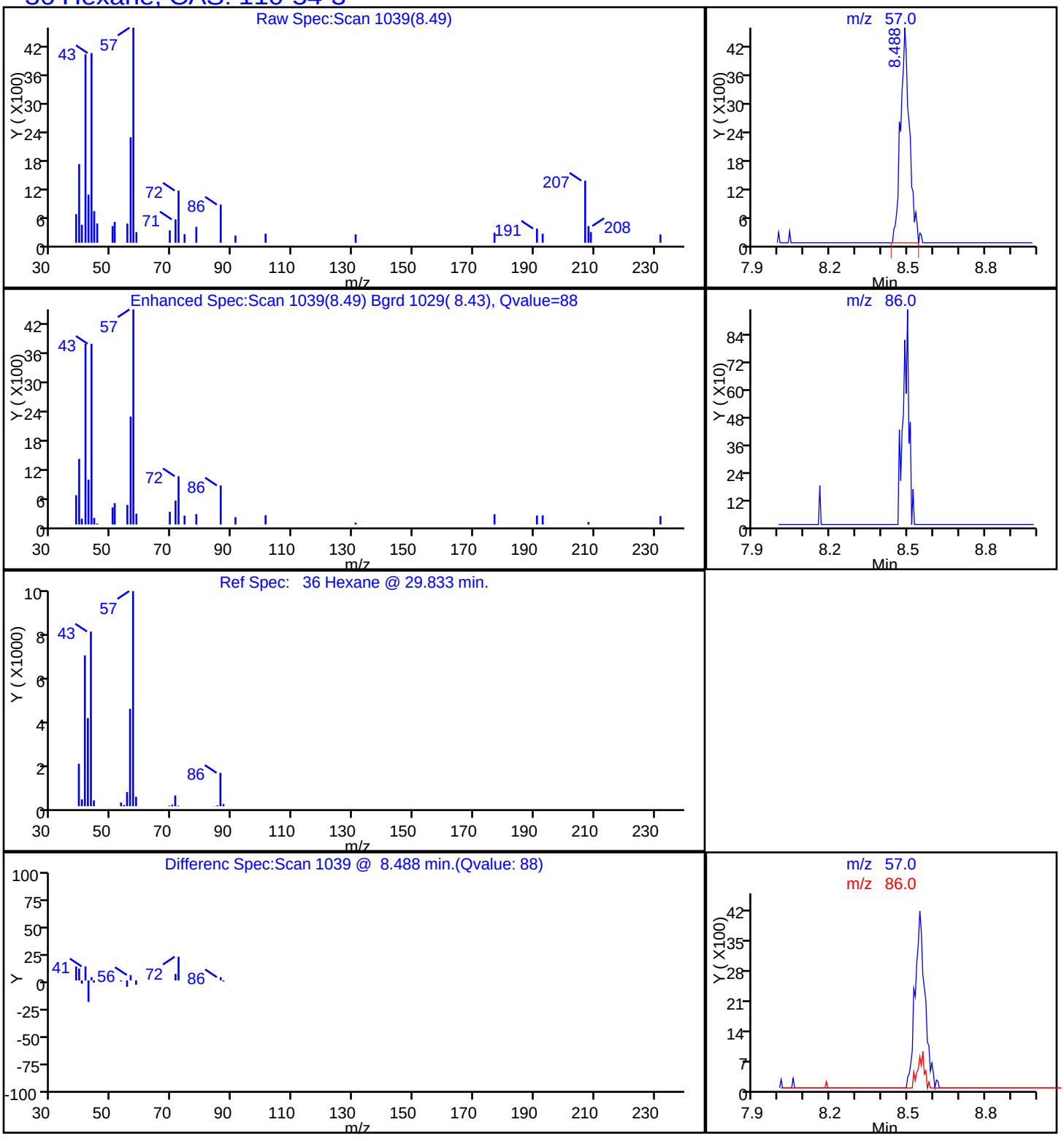
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



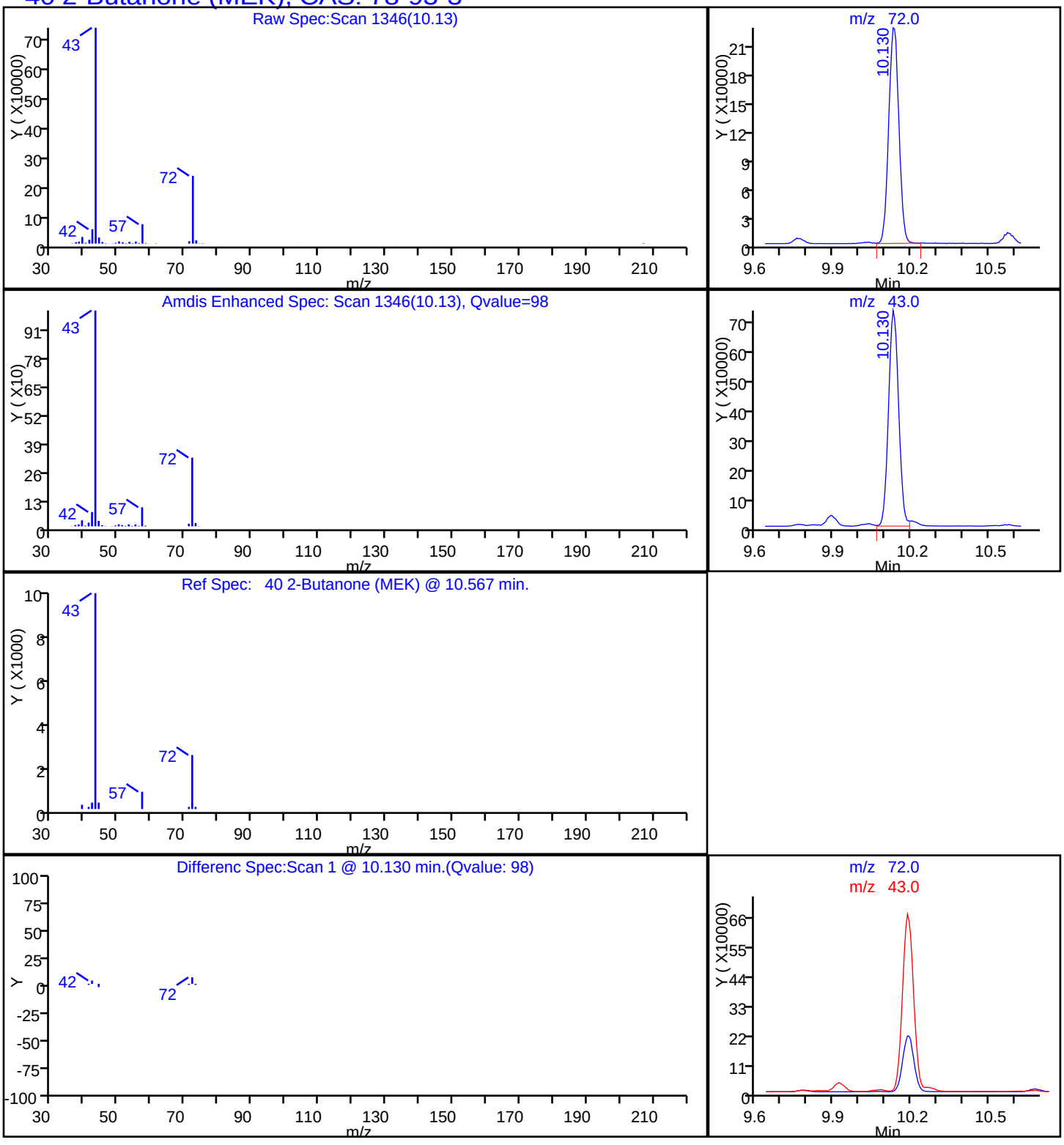
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3



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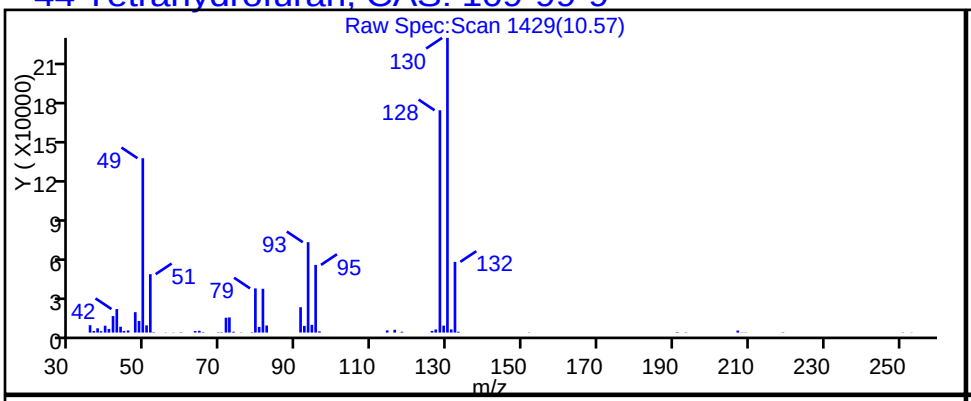
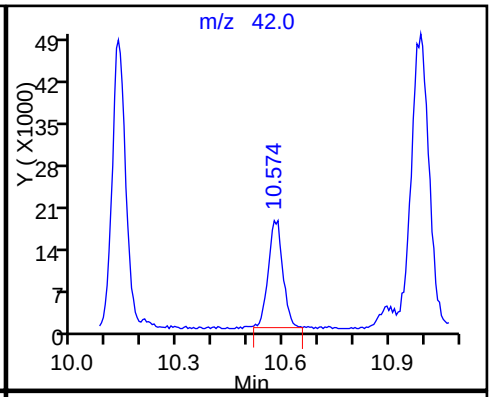
TestAmerica Burlington

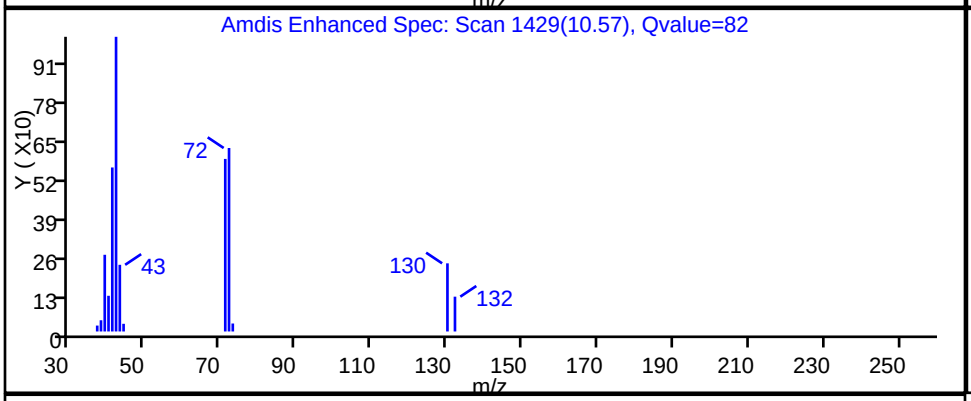
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

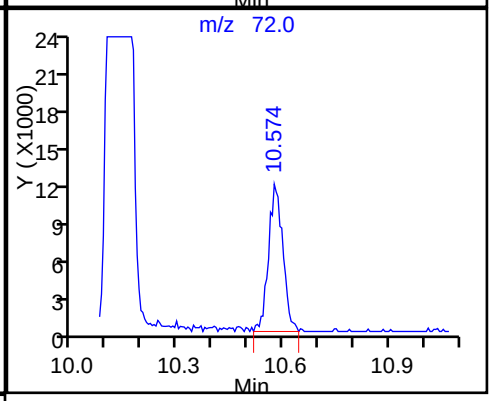
Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

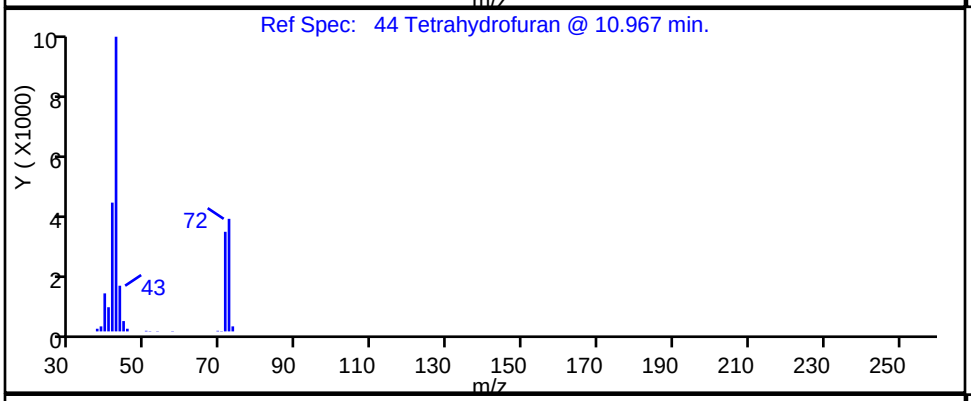
44 Tetrahydrofuran, CAS: 109-99-9

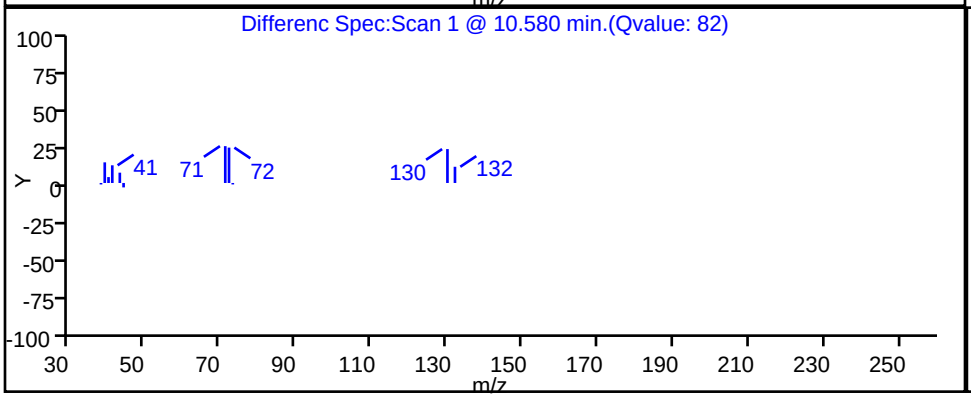


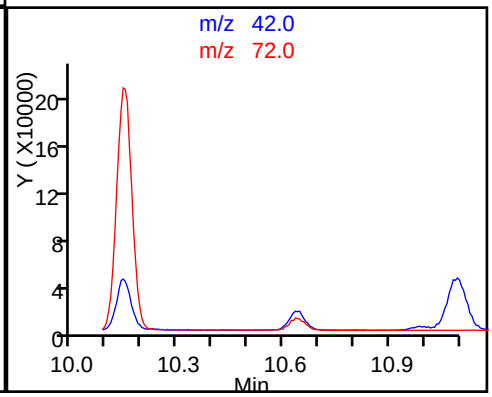












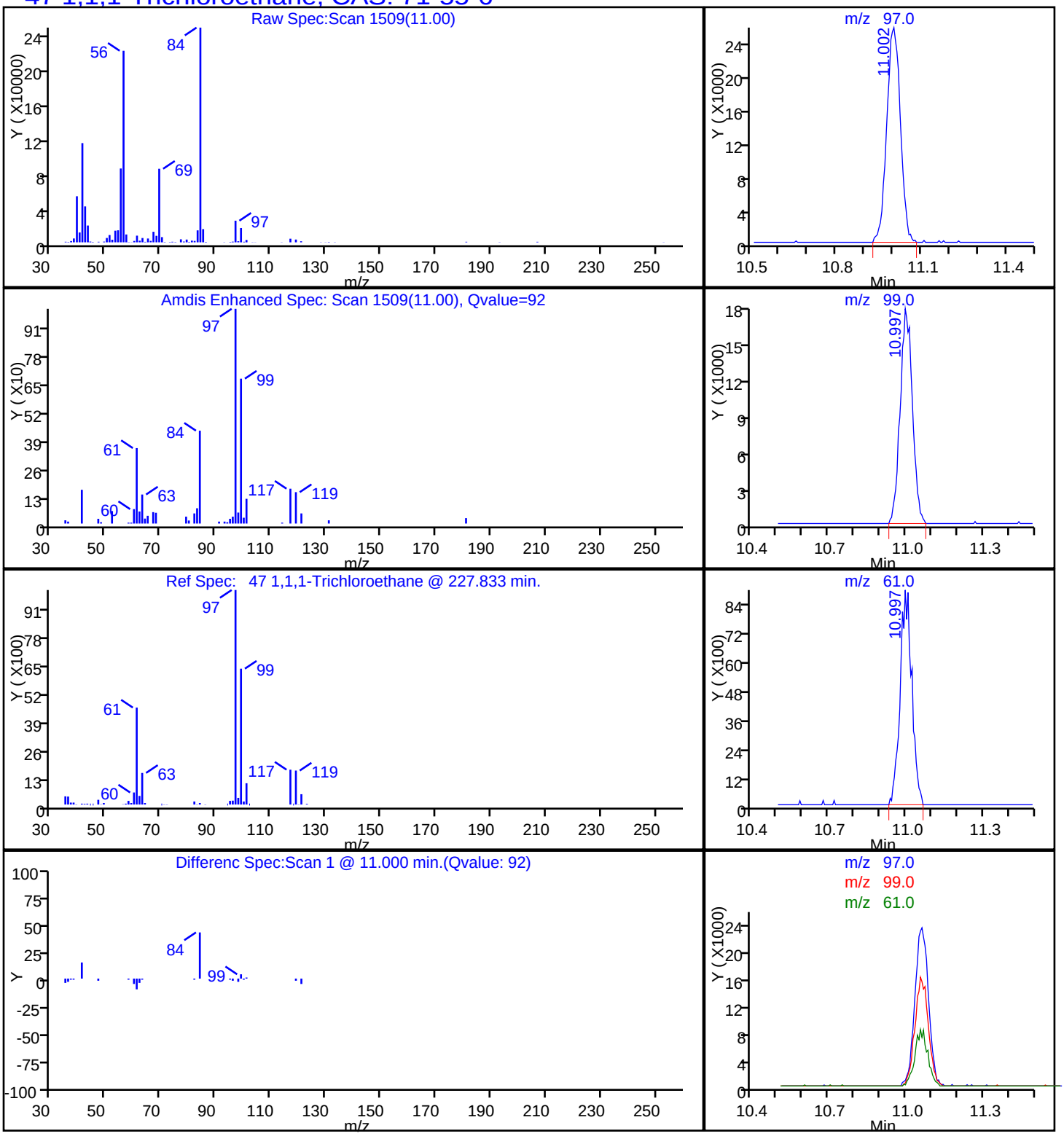
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



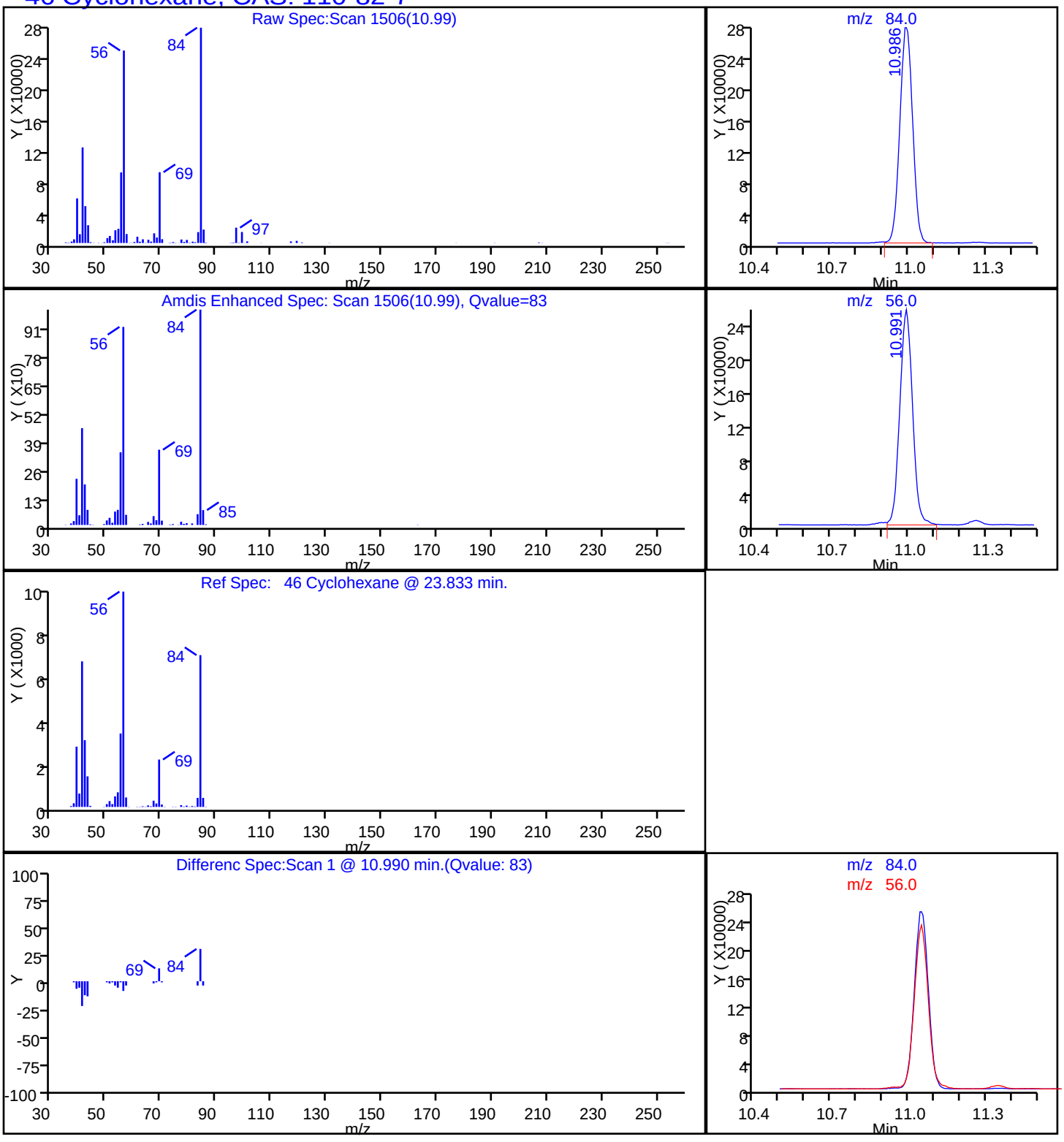
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



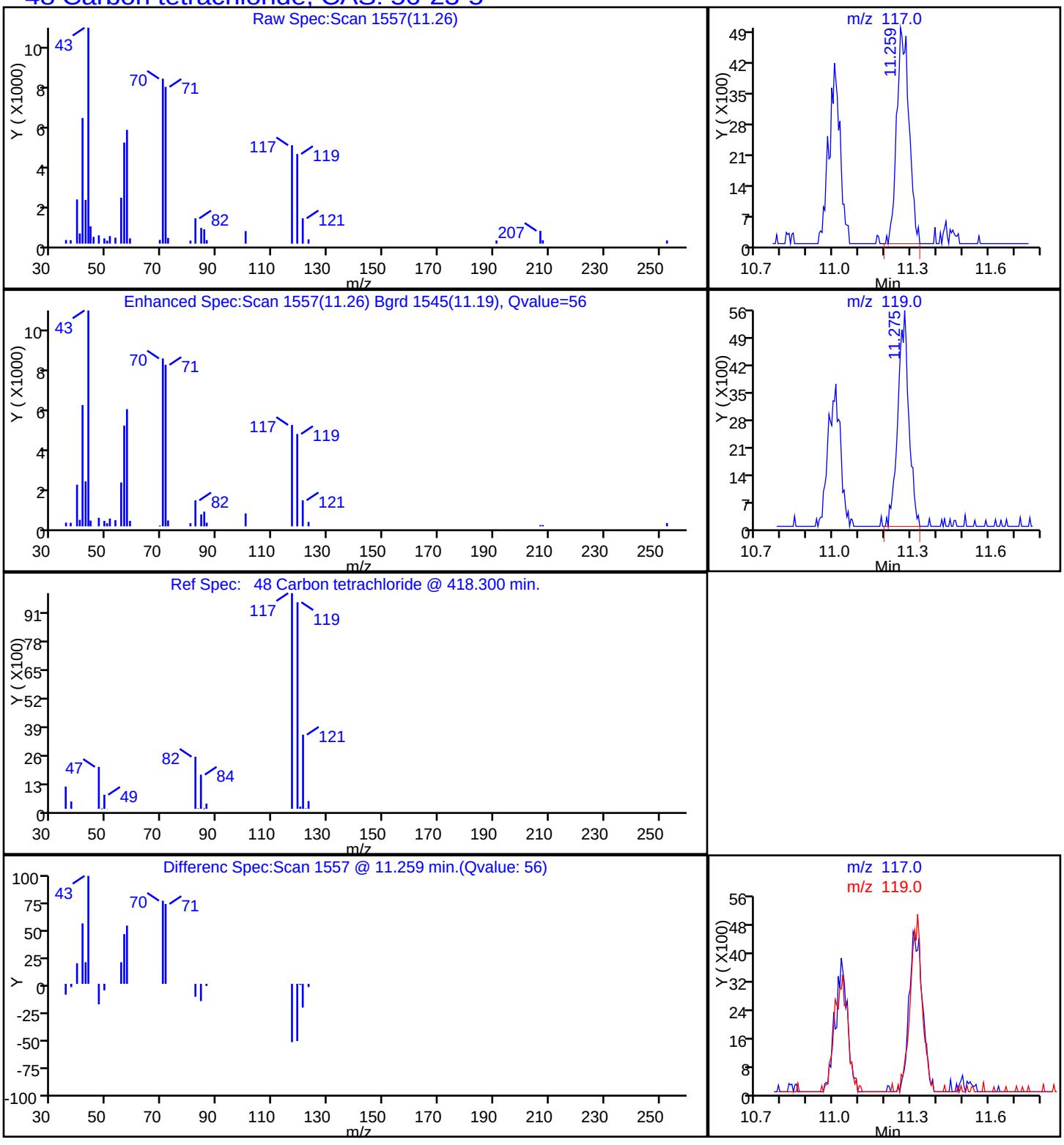
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 Carbon tetrachloride, CAS: 56-23-5



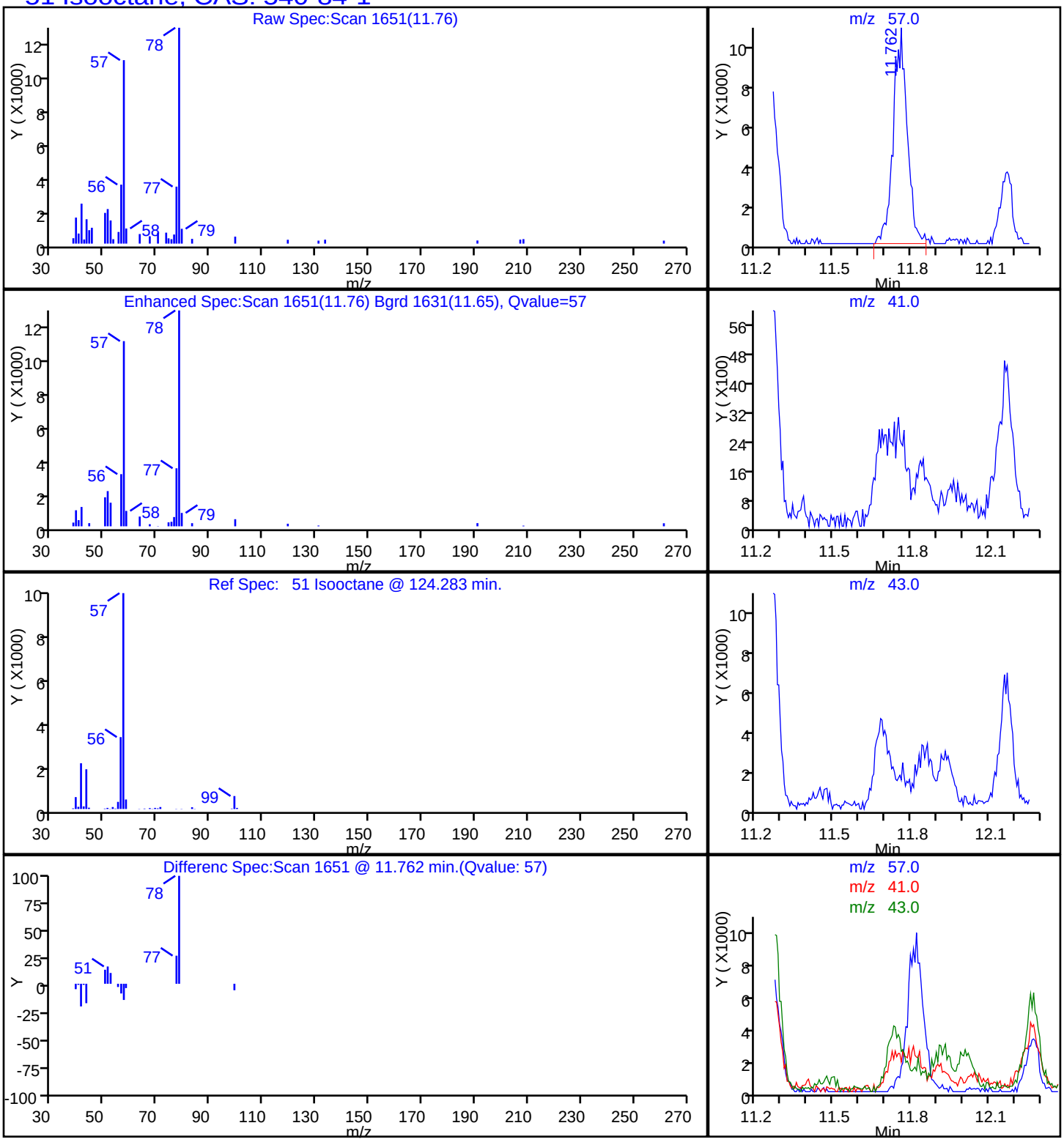
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1



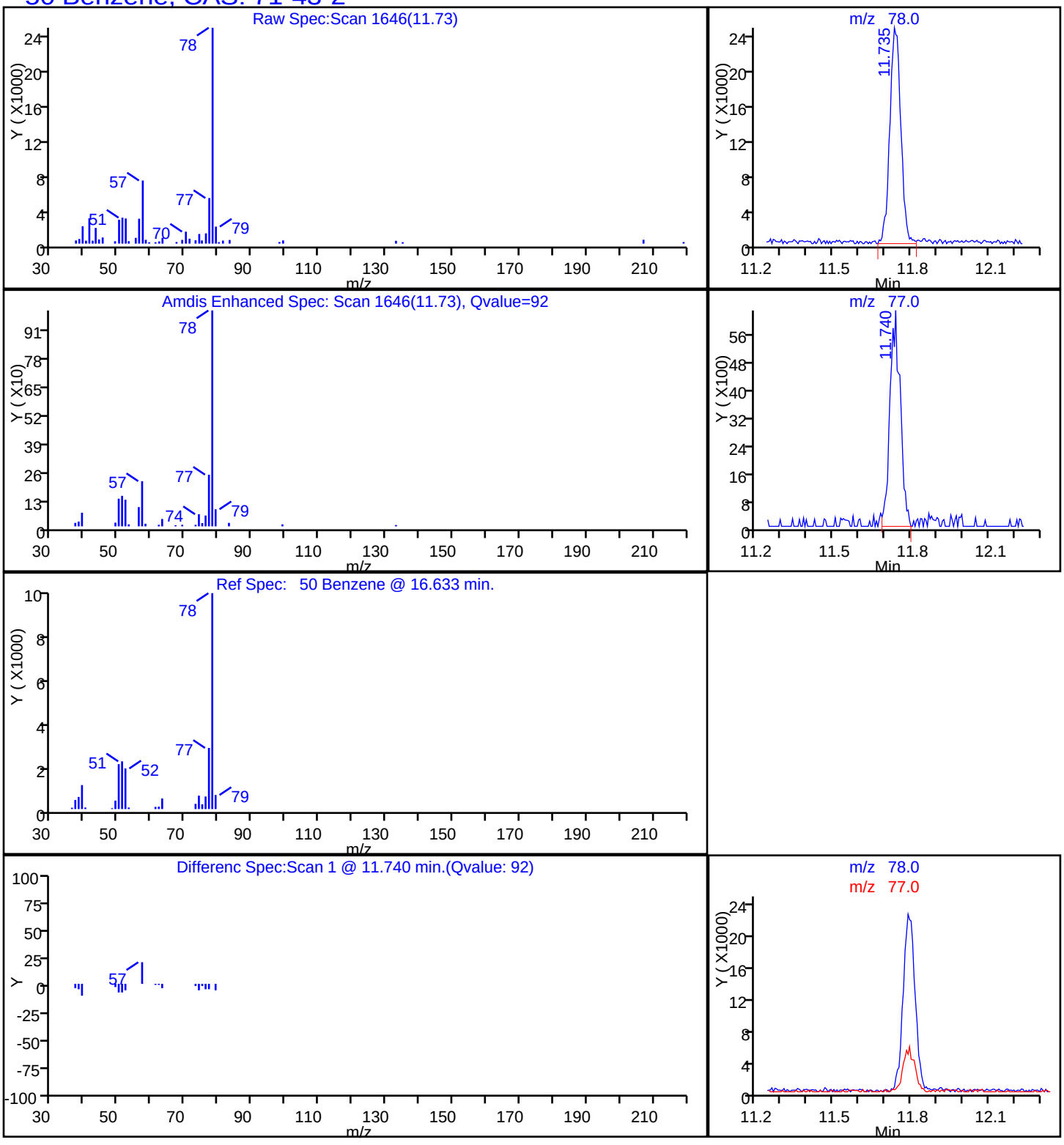
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2

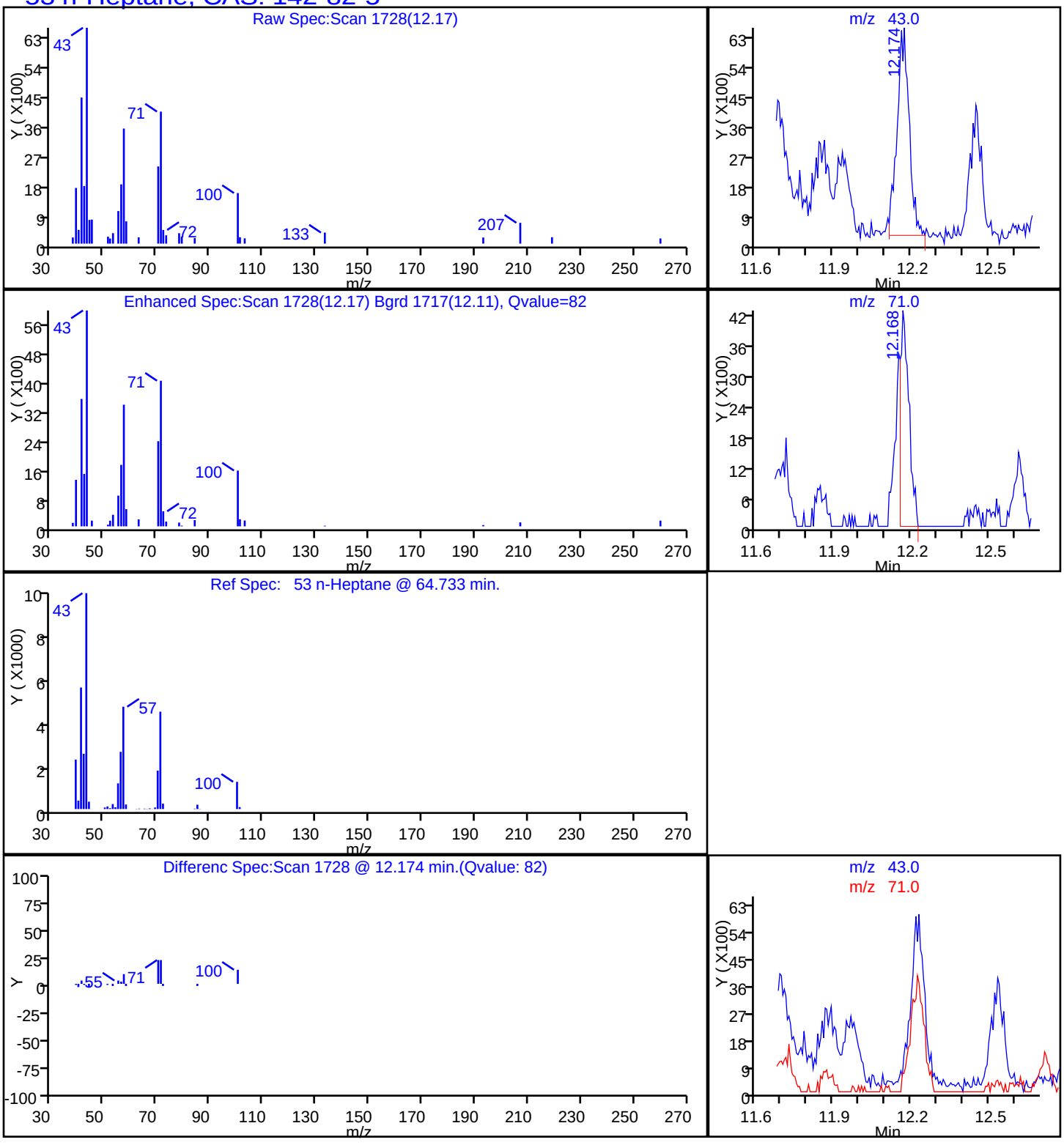


Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D				
Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5



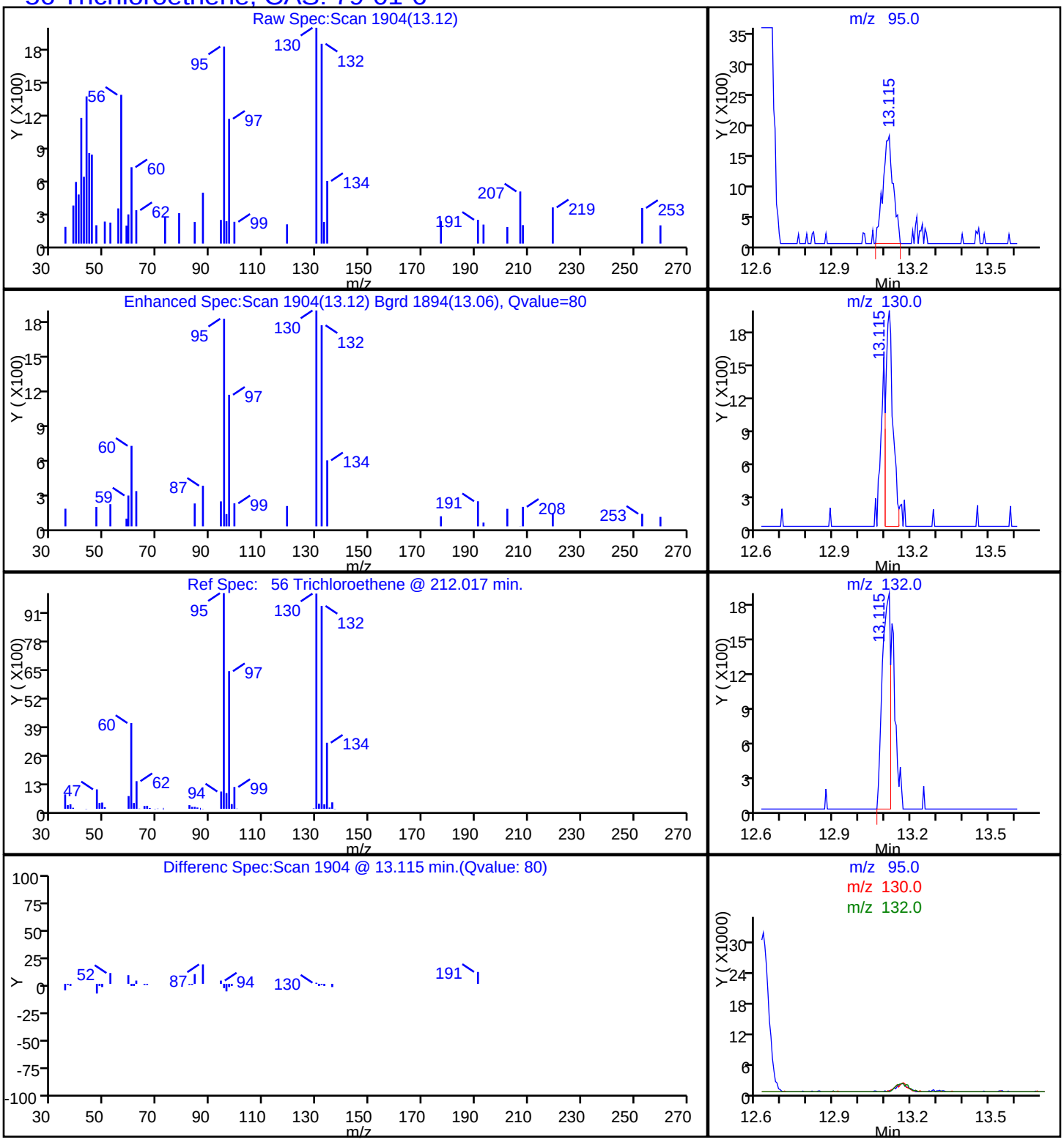
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

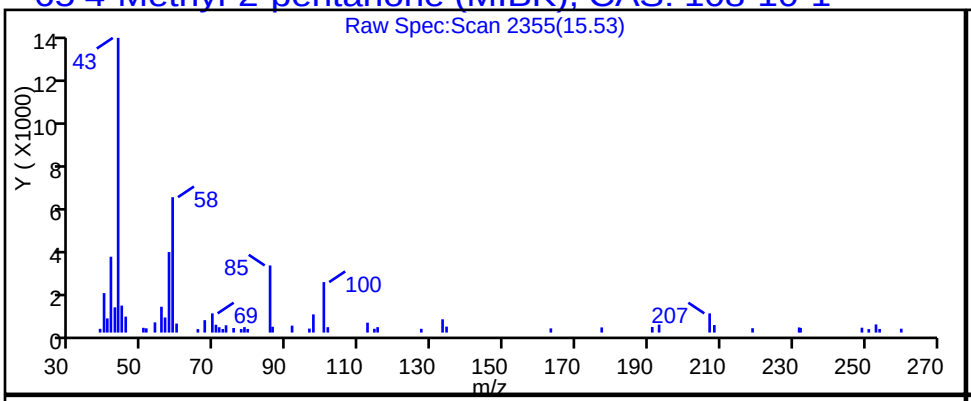


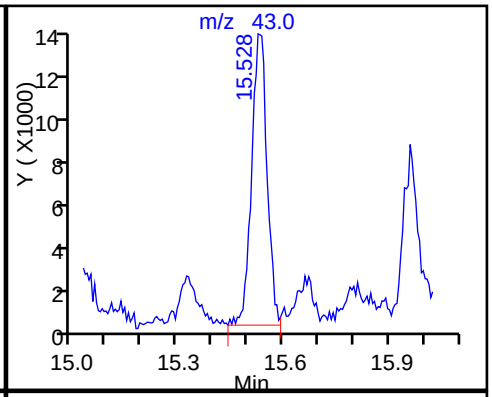
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

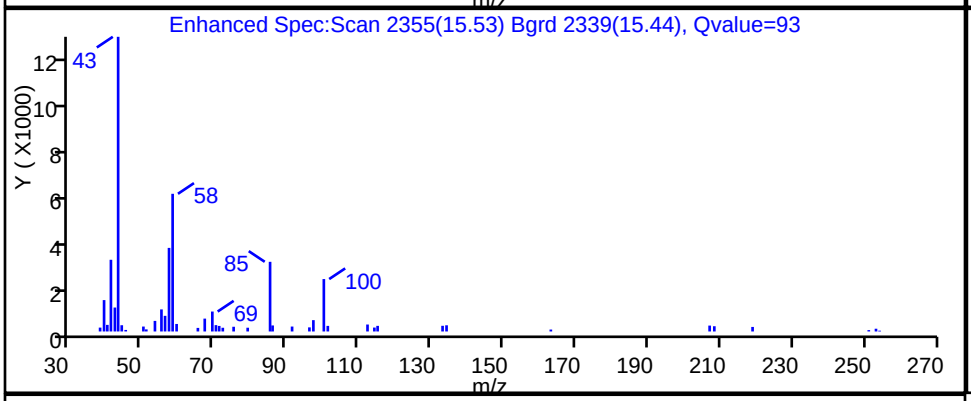
TestAmerica Burlington

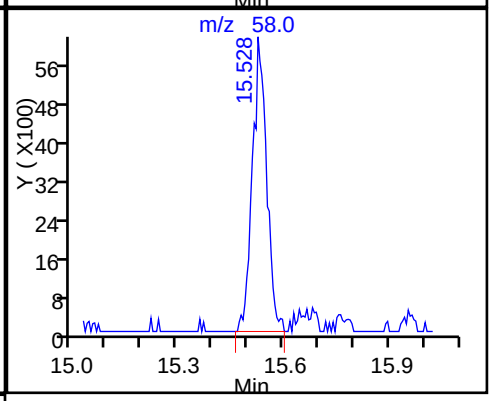
Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D				
Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

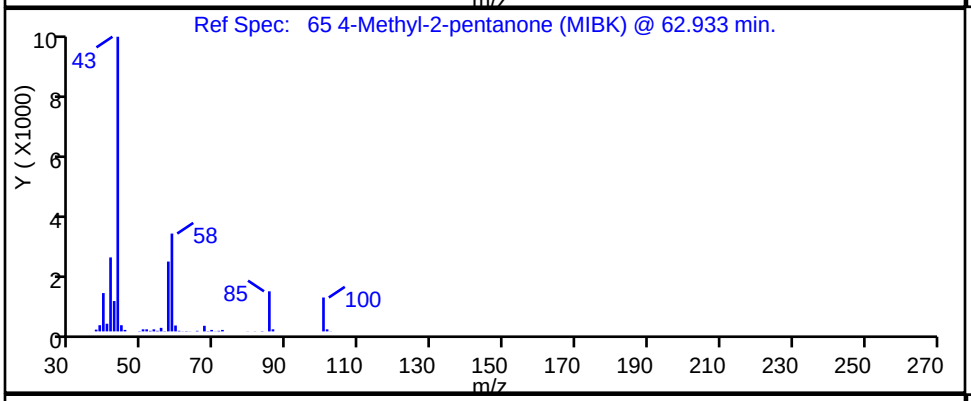
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

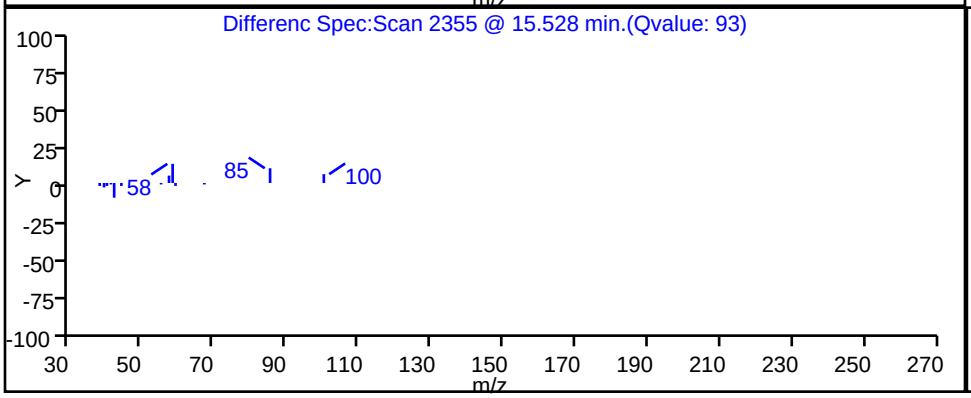


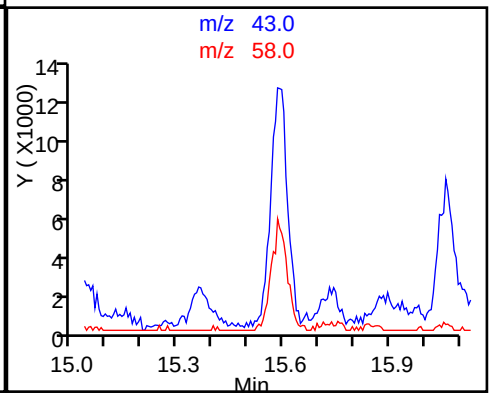












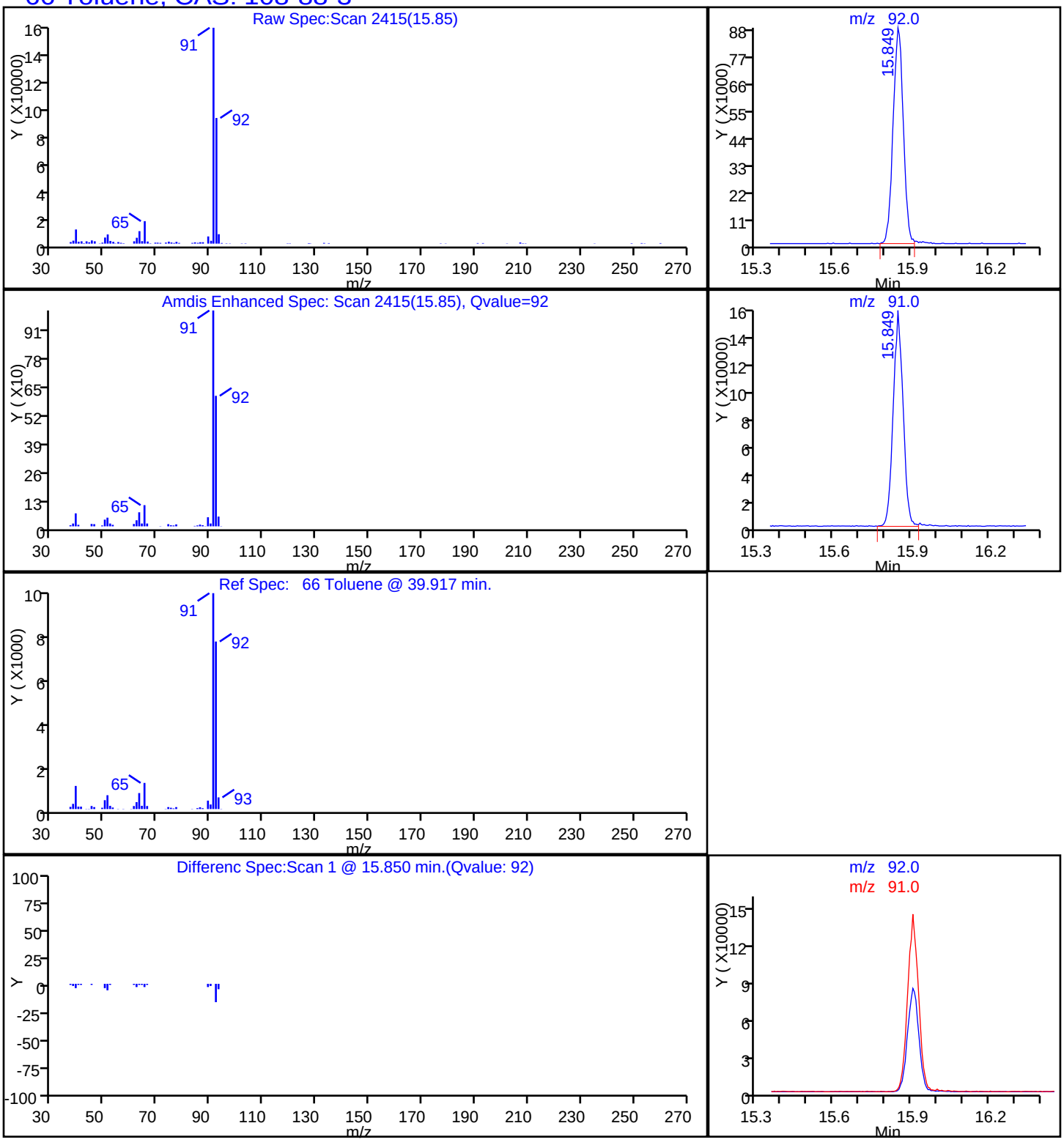
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



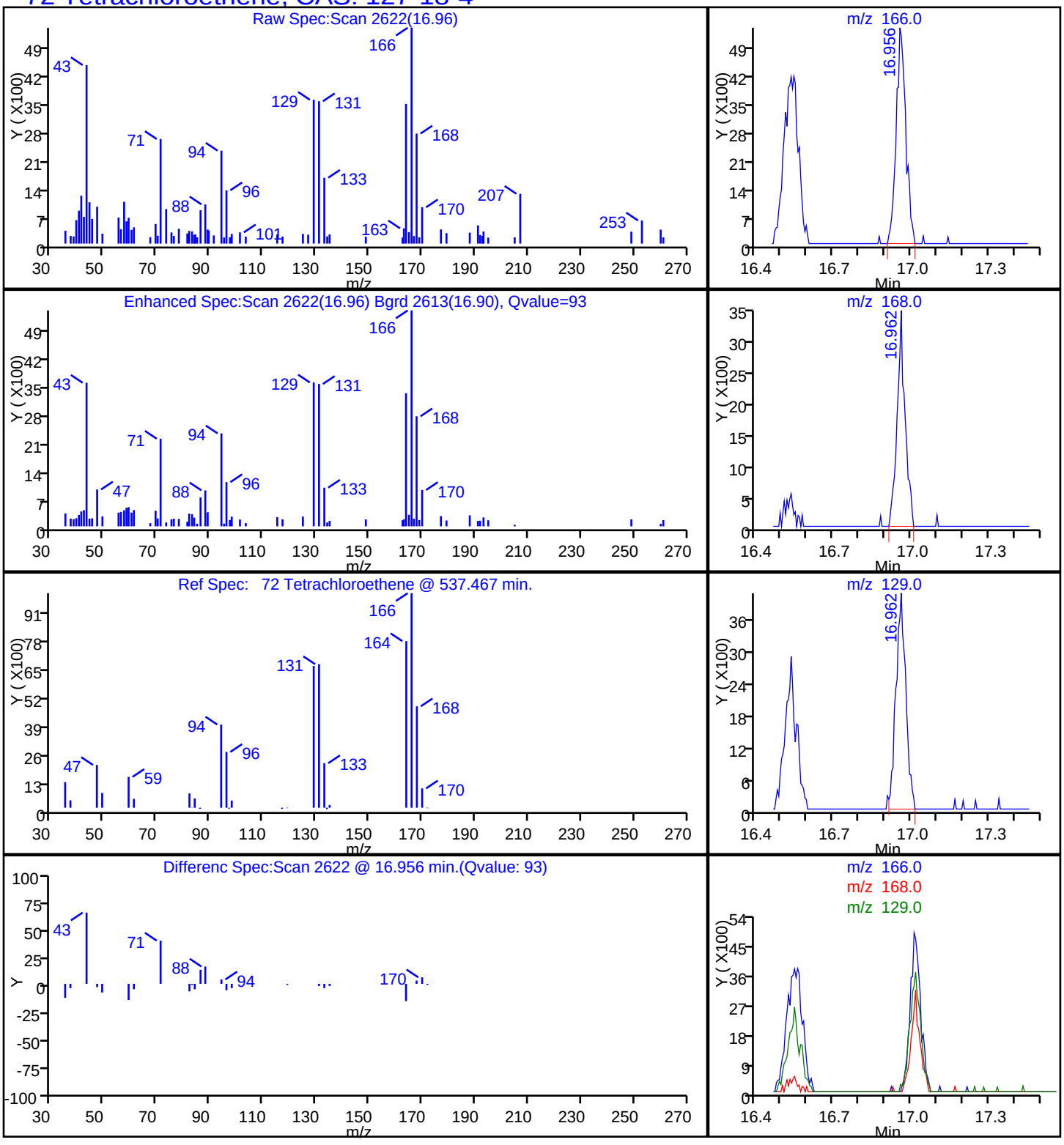
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



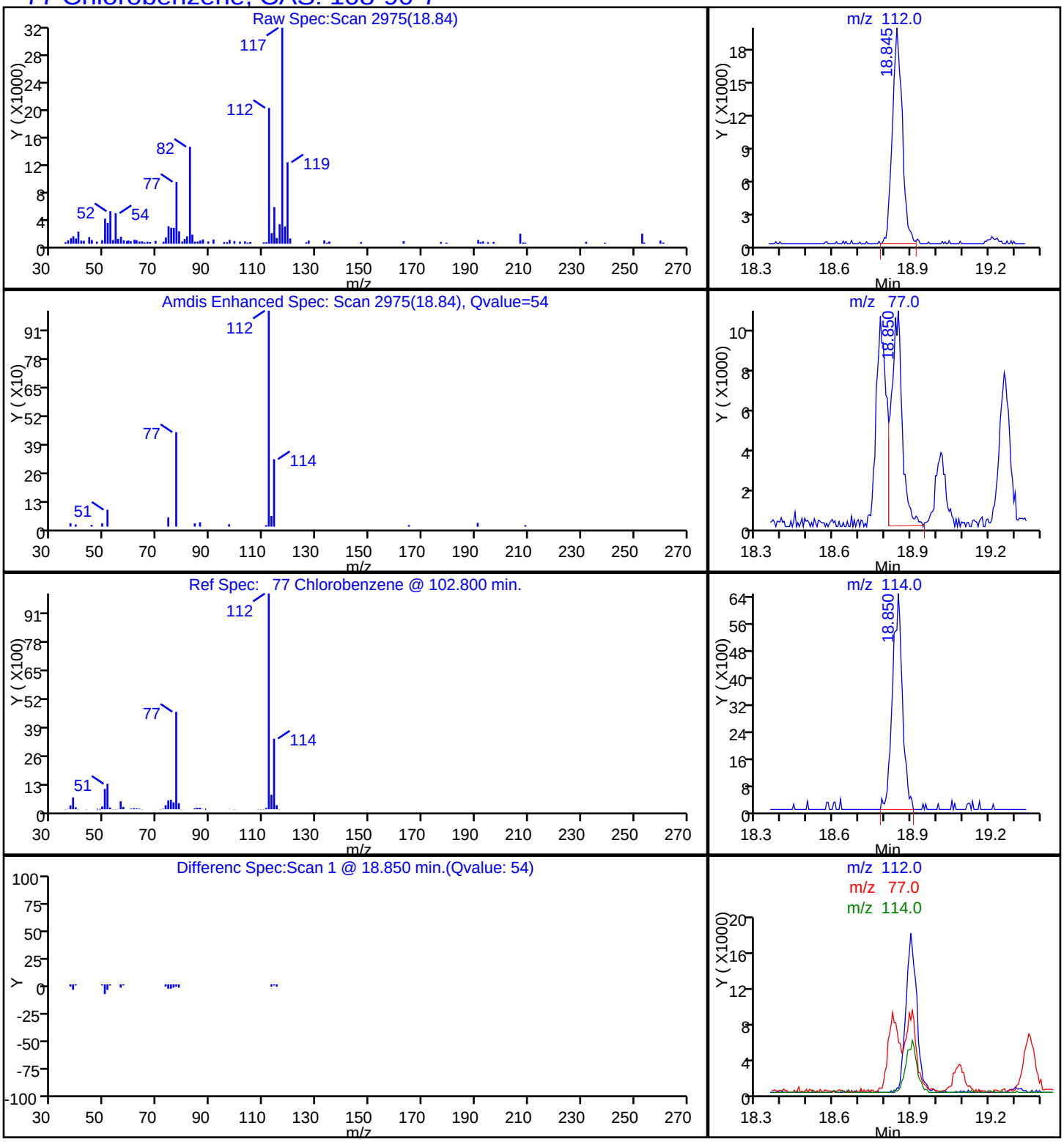
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

77 Chlorobenzene, CAS: 108-90-7



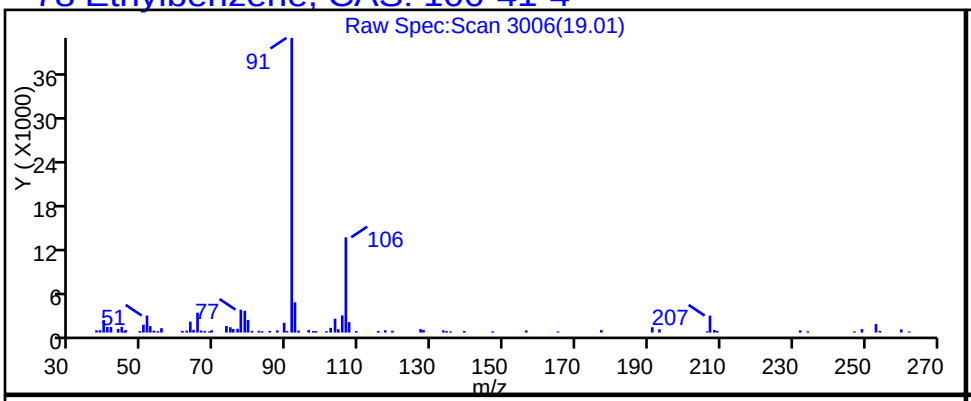
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

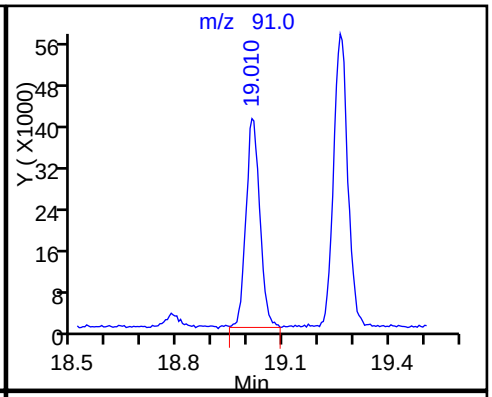
TestAmerica Burlington

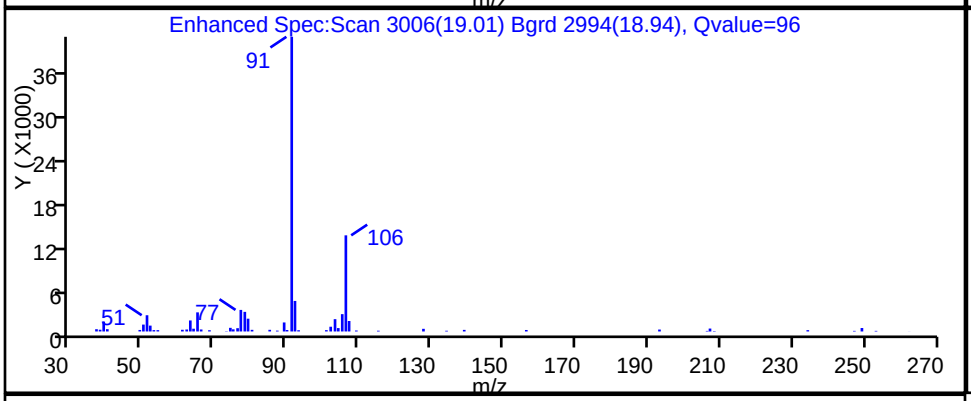
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

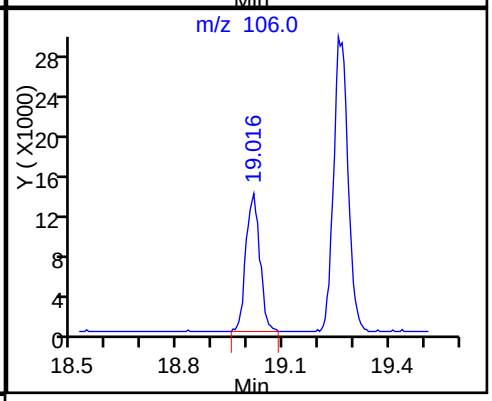
Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

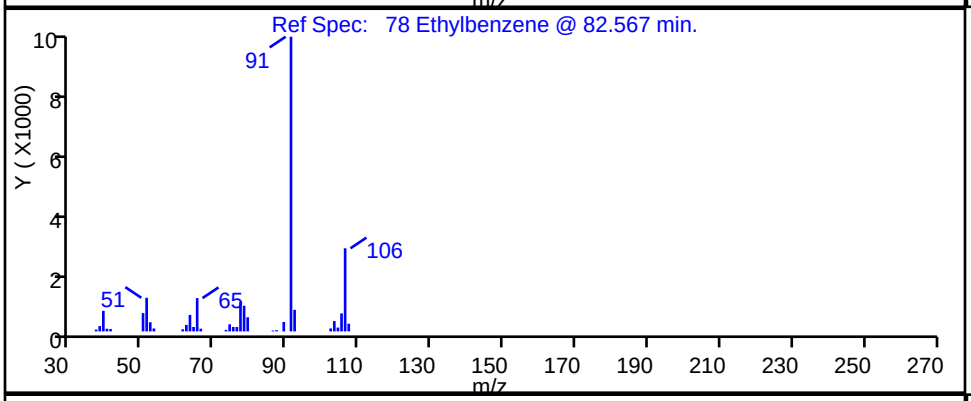
78 Ethylbenzene, CAS: 100-41-4

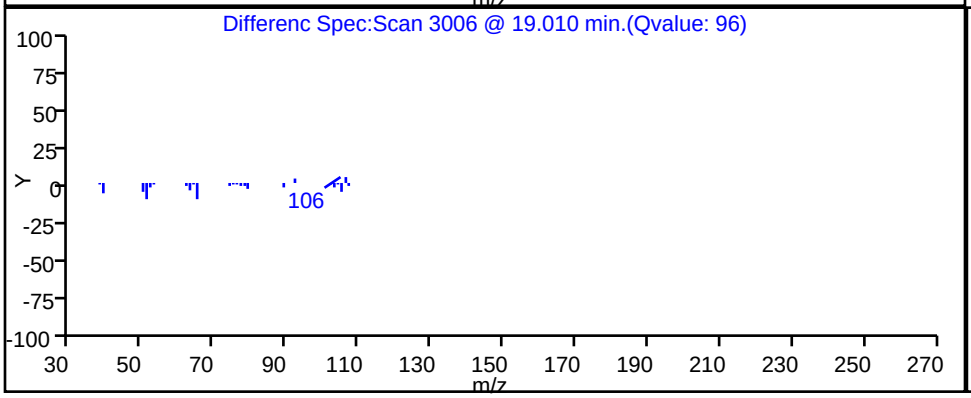


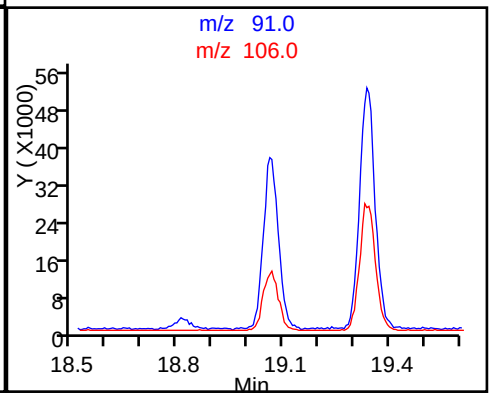












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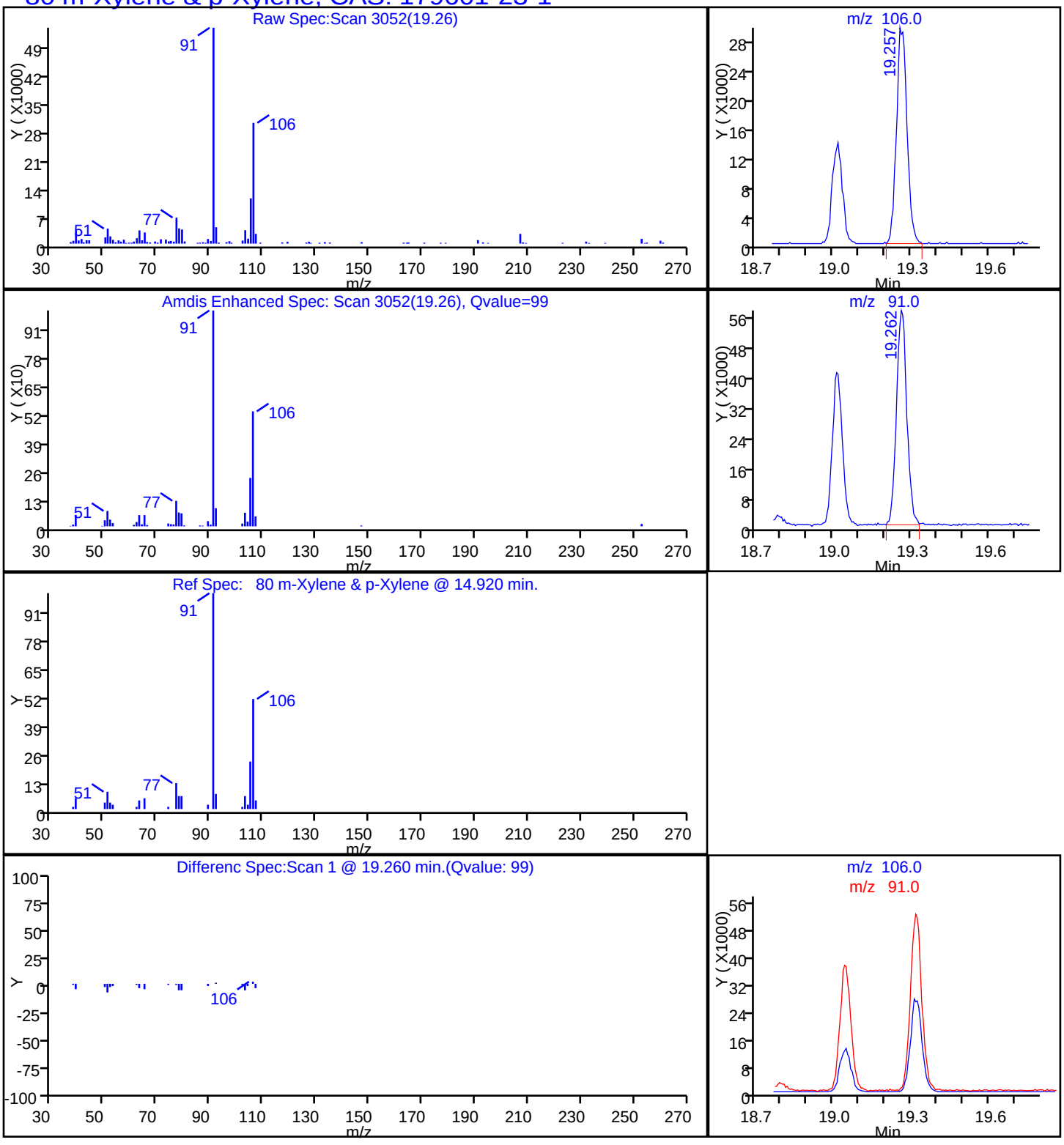
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



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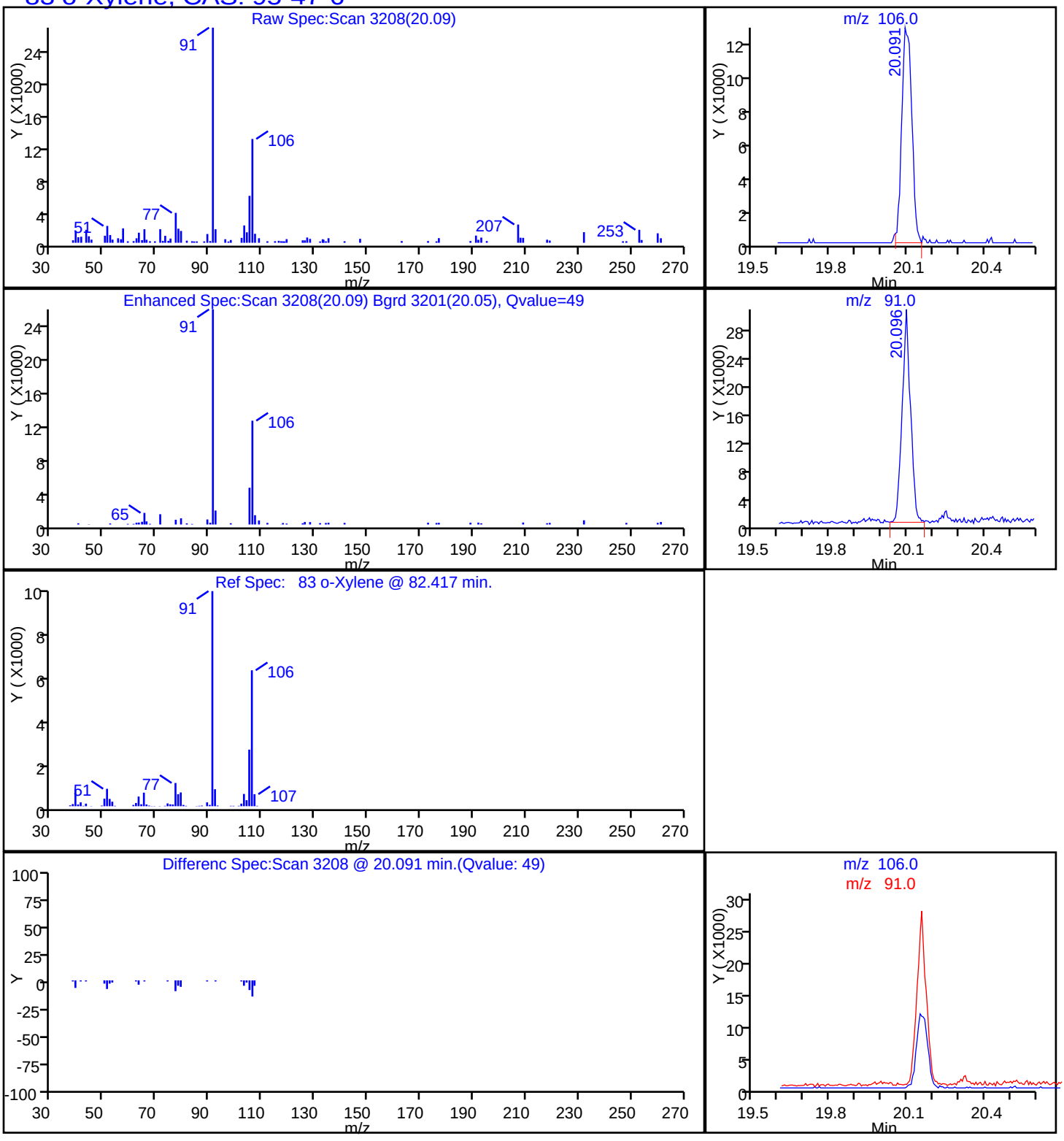
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



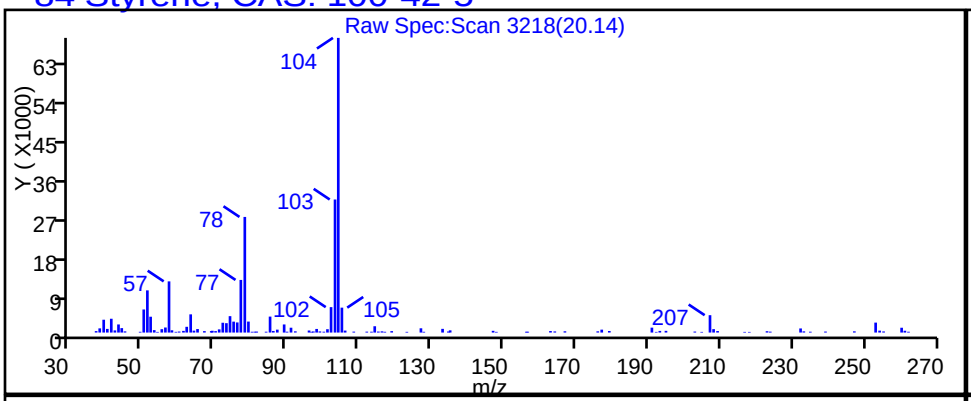
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

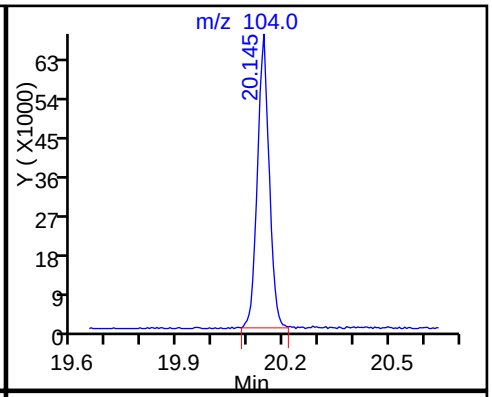
TestAmerica Burlington

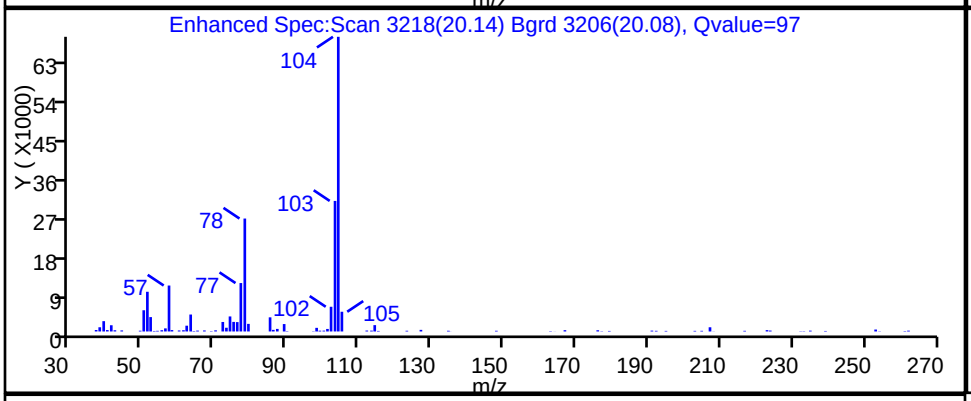
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

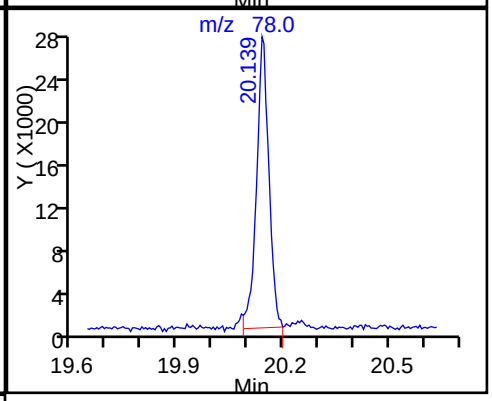
Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

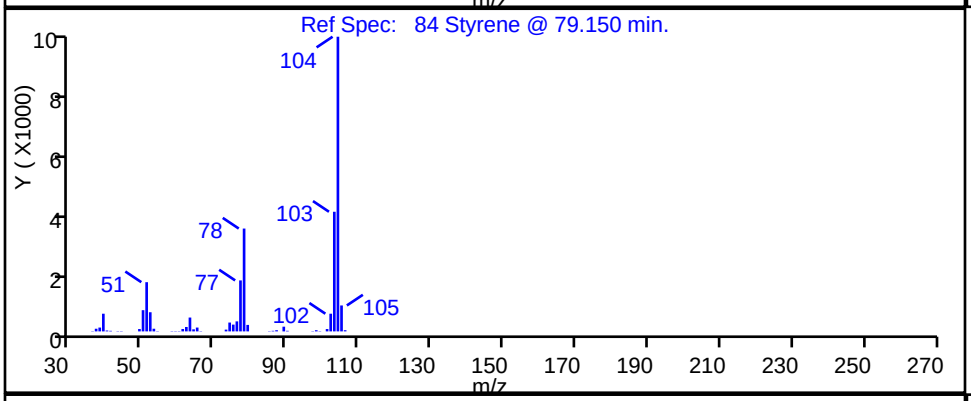
84 Styrene, CAS: 100-42-5

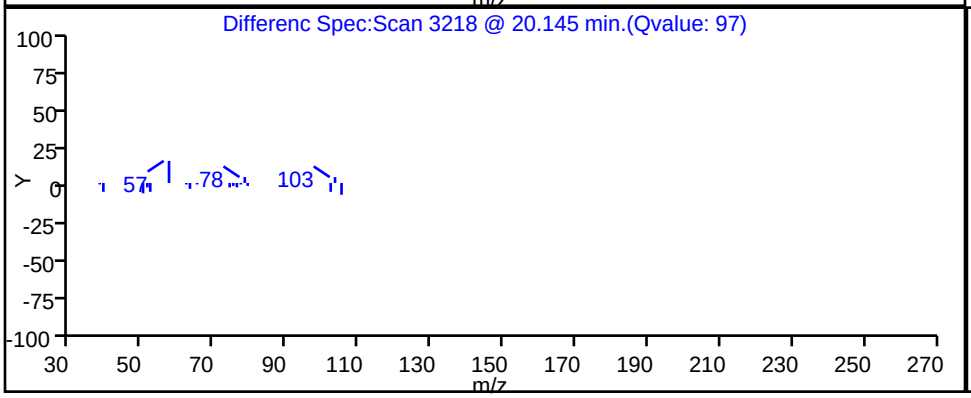


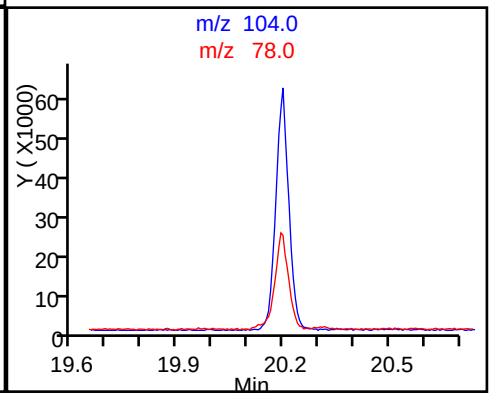












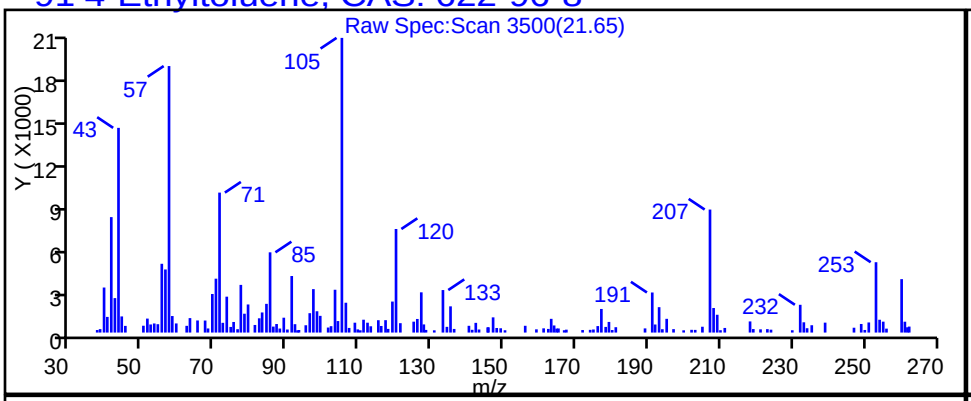
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

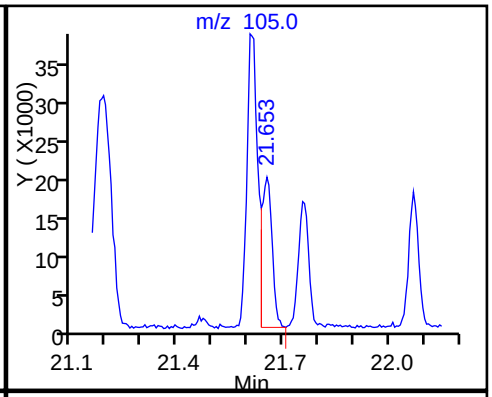
TestAmerica Burlington

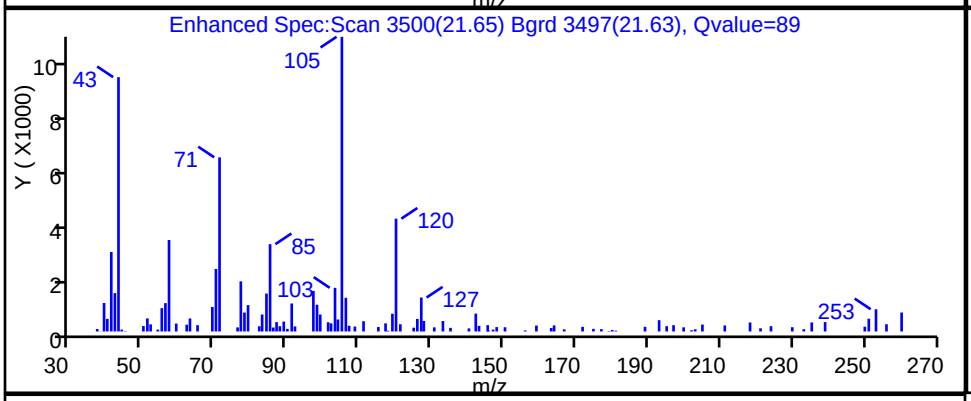
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

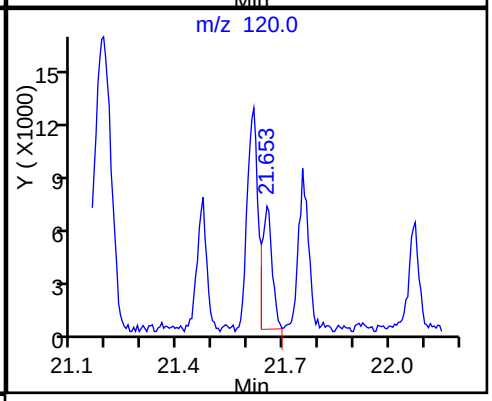
Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6
Client ID:	SS-VMP-2C		
Operator ID:	bl	ALS Bottle#:	15 Worklist Smp#: 18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

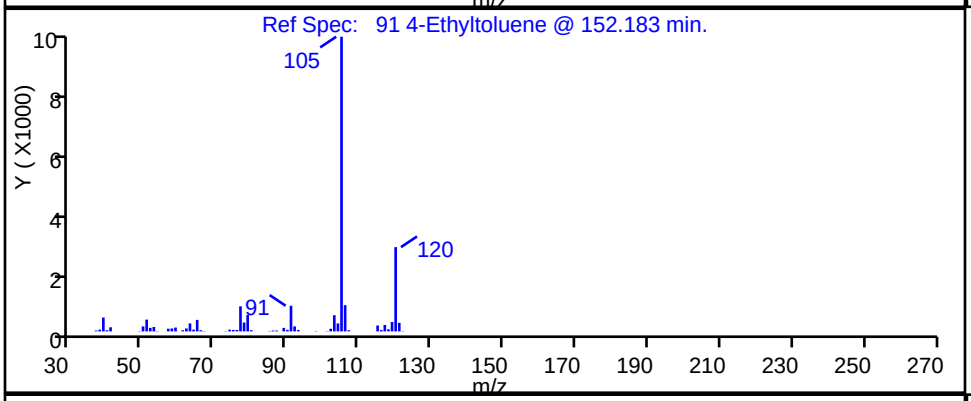
91 4-Ethyltoluene, CAS: 622-96-8

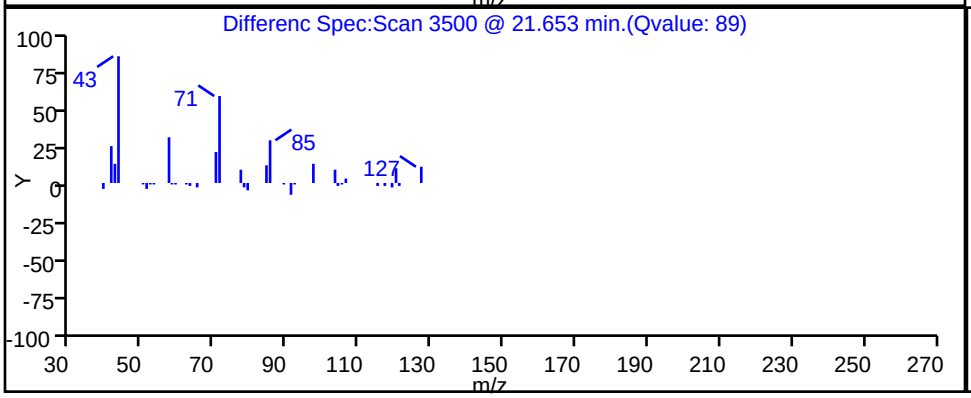


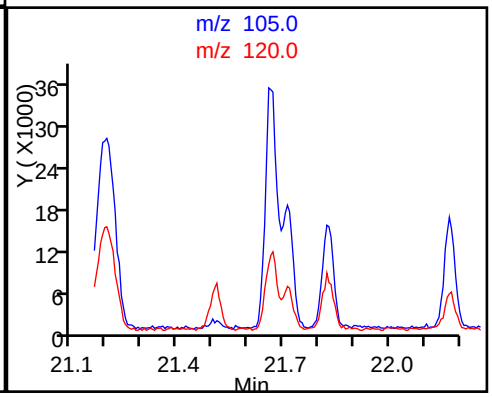












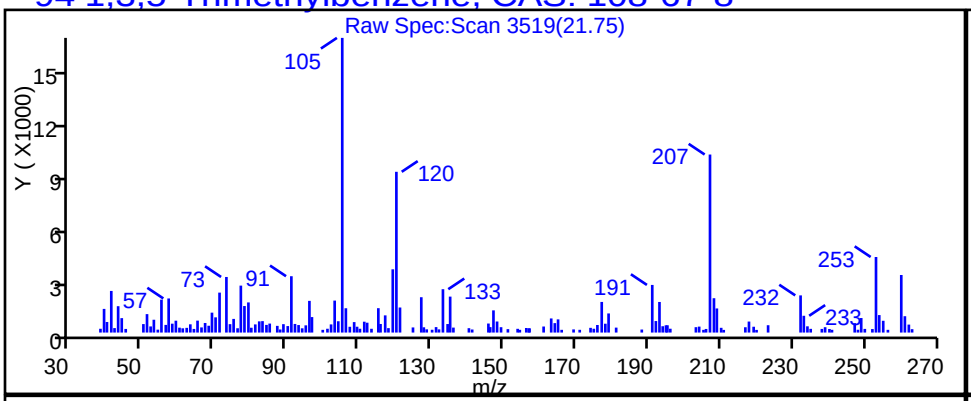
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

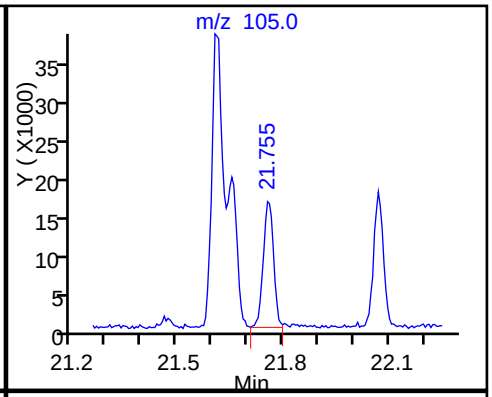
TestAmerica Burlington

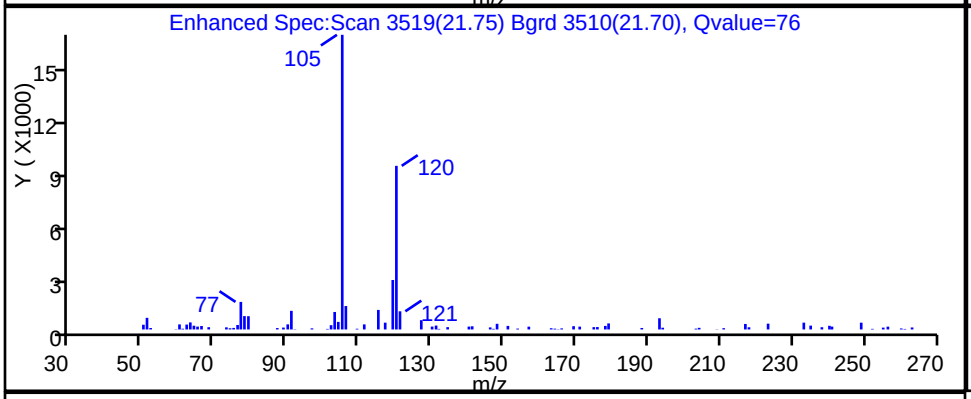
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

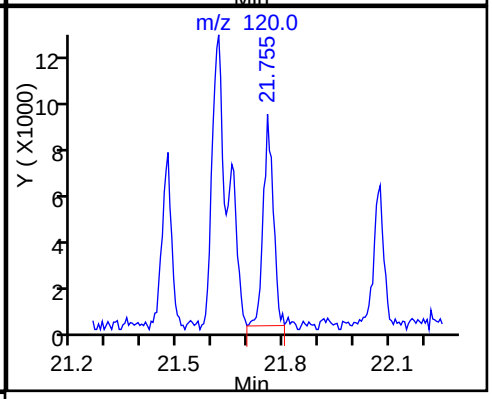
Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

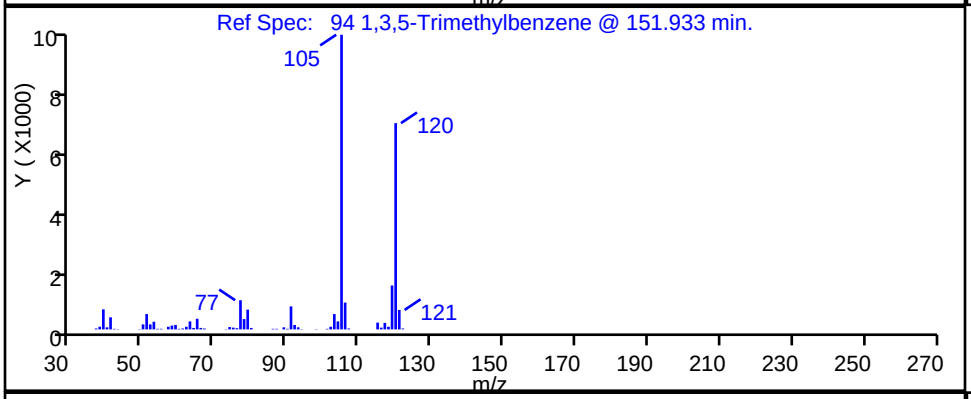
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

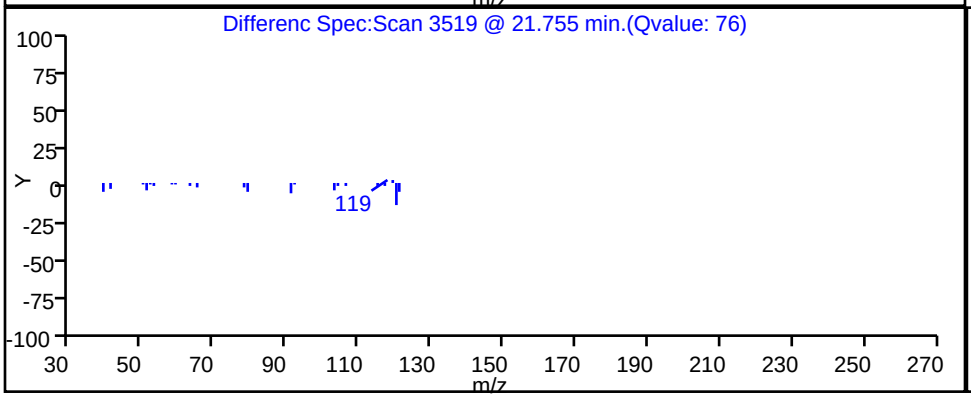


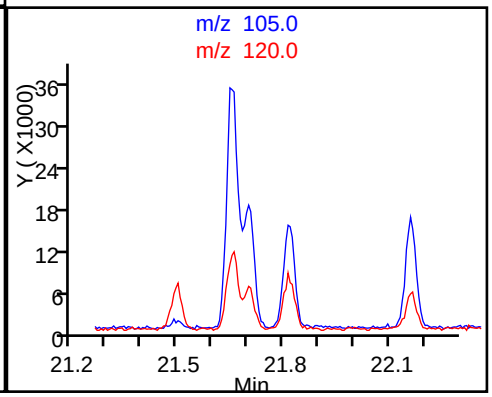










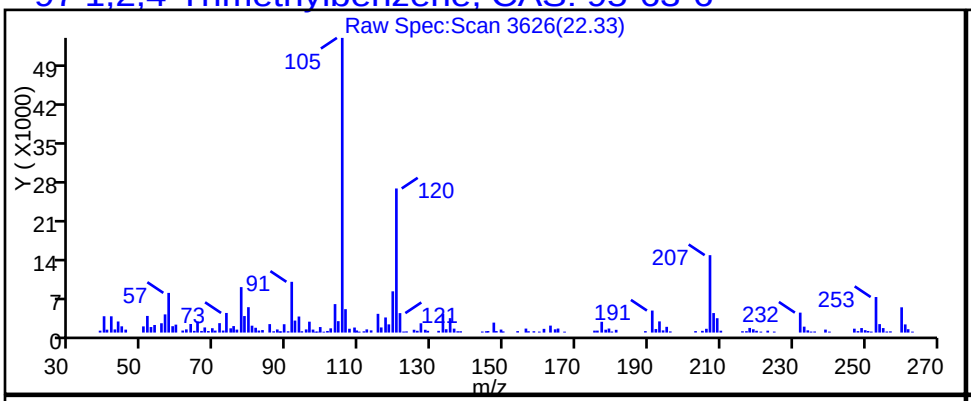


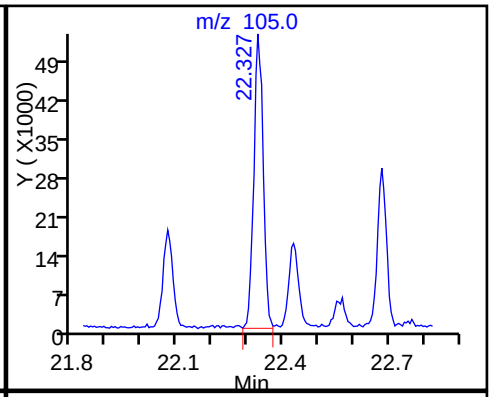
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

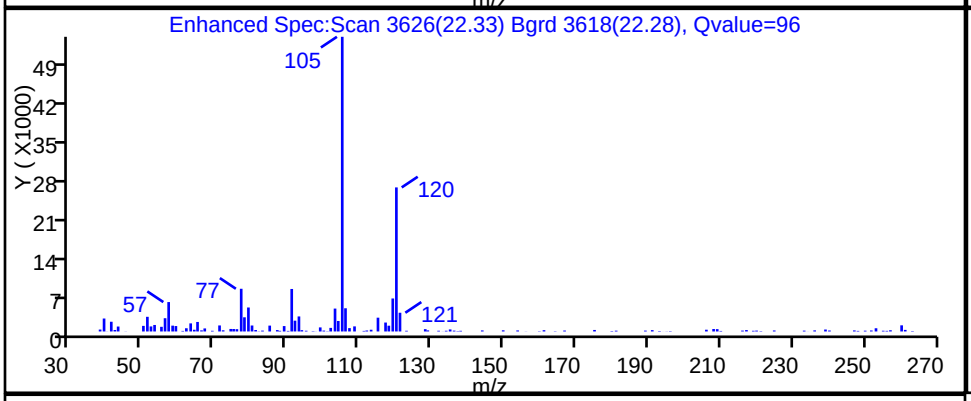
TestAmerica Burlington

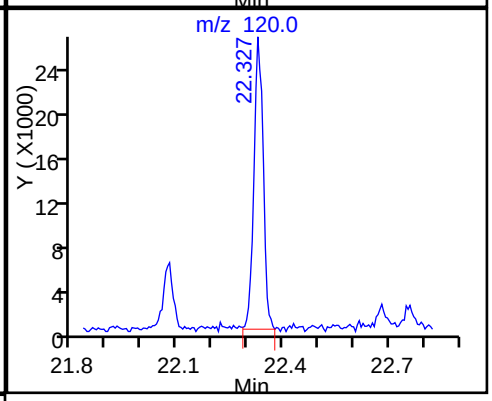
Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D				
Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

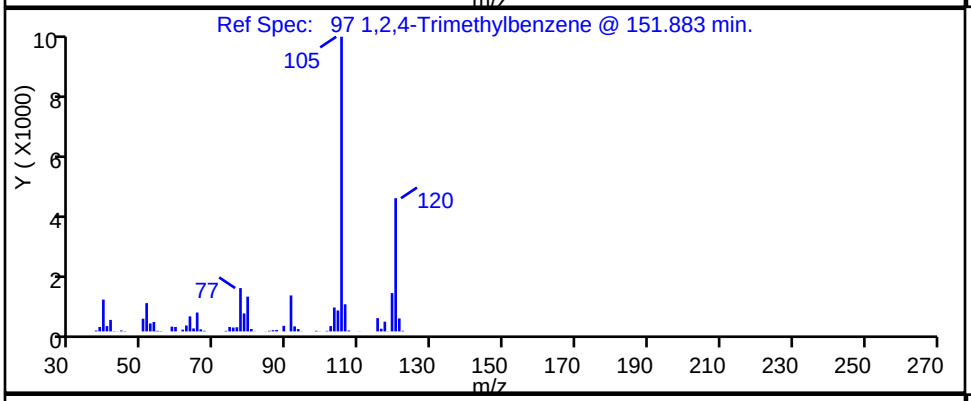
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

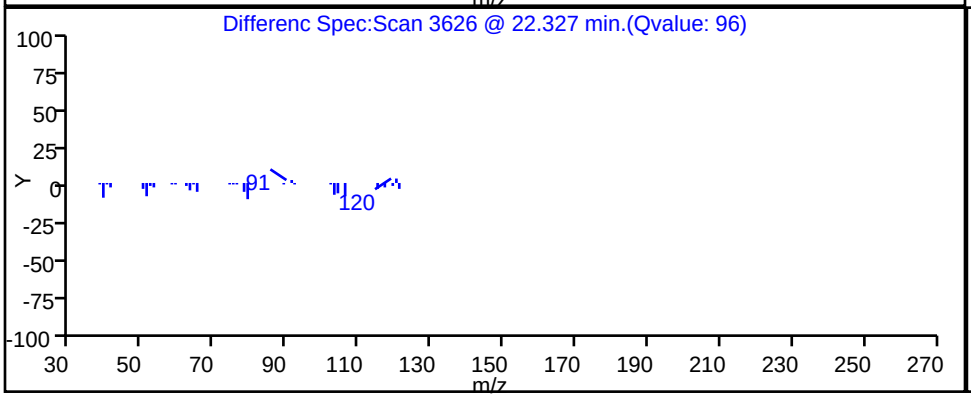


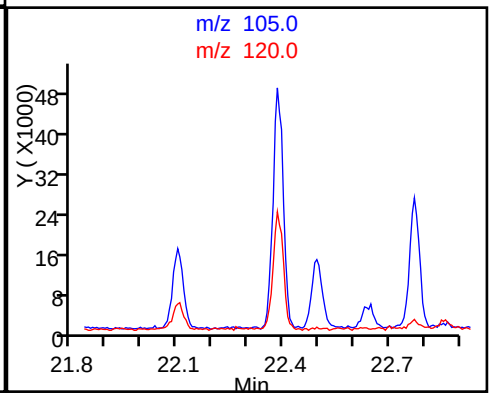












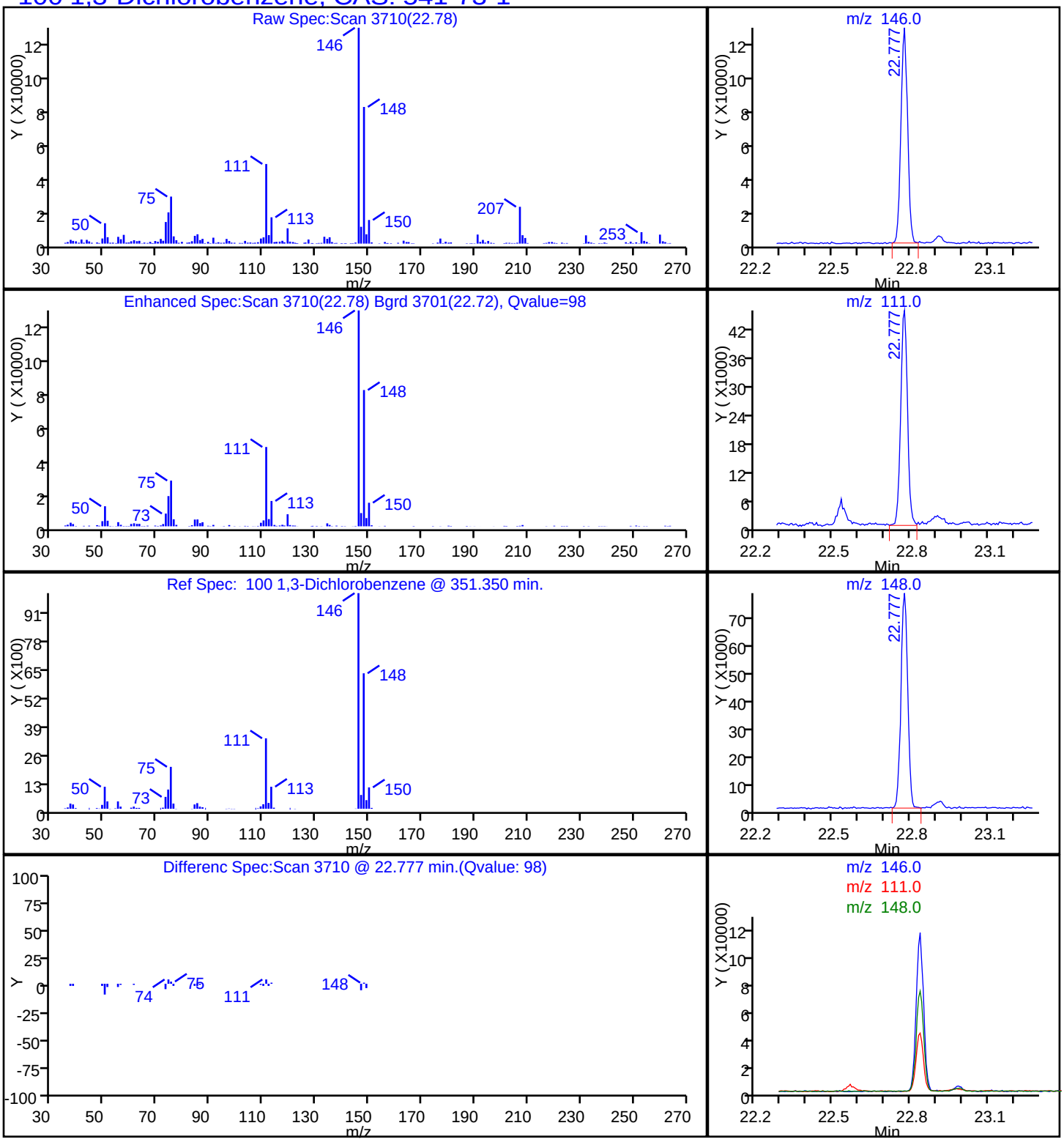
Report Date: 24-Feb-2014 11:38:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_018.D

Injection Date:	22-Feb-2014 00:43:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-6	Lab Sample ID:	200-20955-6		
Client ID:	SS-VMP-2C				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3A Lab Sample ID: 200-20955-8

Matrix: Air Lab File ID: 6267_020.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:03

Sample wt/vol: 38(mL) Date Analyzed: 02/22/2014 02:17

Soil Aliquot Vol: Dilution Factor: 20.1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	10	U	10	0.60
75-45-6	Freon 22	86.47	2.4	J	10	0.96
76-14-2	Freon-114	170.92	4.0	U	4.0	0.70
74-87-3	Chloromethane	50.49	10	U	10	2.7
106-97-8	n-Butane	58.12	10	U	10	5.7
75-01-4	Vinyl chloride	62.50	0.80	U	0.80	0.76
106-99-0	1,3-Butadiene	54.09	4.0	U	4.0	0.84
74-83-9	Bromomethane	94.94	4.0	U	4.0	0.56
75-00-3	Chloroethane	64.52	10	U	10	0.60
593-60-2	Vinyl bromide	106.96	4.0	U	4.0	0.60
75-69-4	Freon 11	137.37	4.0	U	4.0	0.60
76-13-1	Freon 113	187.38	4.0	U	4.0	0.36
75-35-4	1,1-Dichloroethene	96.94	4.0	U	4.0	0.48
67-64-1	Acetone	58.08	100	U	100	25
67-63-0	Isopropyl alcohol	60.10	620		100	4.3
75-15-0	Carbon disulfide	76.14	10	U	10	1.3
107-05-1	Allyl chloride	76.53	10	U	10	0.68
75-09-2	Methylene Chloride	84.93	400		10	2.5
75-65-0	tert-Butyl alcohol	74.12	100	U	100	6.6
1634-04-4	Methyl tert-butyl ether	88.15	4.0	U	4.0	0.44
156-60-5	trans-1,2-Dichloroethene	96.94	4.0	U	4.0	0.58
110-54-3	Hexane	86.17	4.0	U	4.0	0.68
75-34-3	1,1-Dichloroethane	98.96	4.0	U	4.0	0.76
78-93-3	Methyl Ethyl Ketone	72.11	12		10	4.9
156-59-2	cis-1,2-Dichloroethene	96.94	4.0	U	4.0	0.76
540-59-0	1,2-Dichloroethene, Total	96.94	4.0	U	4.0	1.3
67-66-3	Chloroform	119.38	4.0	U	4.0	0.50
109-99-9	Tetrahydrofuran	72.11	2.0	J	100	0.92
71-55-6	1,1,1-Trichloroethane	133.41	4.0	U	4.0	0.42
110-82-7	Cyclohexane	84.16	4.0	U	4.0	0.50
56-23-5	Carbon tetrachloride	153.81	0.80	U	0.80	0.42
540-84-1	2,2,4-Trimethylpentane	114.23	4.0	U	4.0	0.54
71-43-2	Benzene	78.11	4.0	U	4.0	0.38
107-06-2	1,2-Dichloroethane	98.96	4.0	U	4.0	0.34
142-82-5	Heptane	100.21	4.0	U	4.0	0.92

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3A Lab Sample ID: 200-20955-8

Matrix: Air Lab File ID: 6267_020.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:03

Sample wt/vol: 38(mL) Date Analyzed: 02/22/2014 02:17

Soil Aliquot Vol: Dilution Factor: 20.1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.80	U	0.80	0.48
80-62-6	Methyl methacrylate	100.12	10	U	10	0.60
78-87-5	1,2-Dichloropropane	112.99	4.0	U	4.0	0.64
123-91-1	1,4-Dioxane	88.11	100	U	100	4.0
75-27-4	Bromodichloromethane	163.83	4.0	U	4.0	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	4.0	U	4.0	0.56
108-10-1	methyl isobutyl ketone	100.16	10	U	10	0.54
108-88-3	Toluene	92.14	1.5	J	4.0	0.34
10061-02-6	trans-1,3-Dichloropropene	110.97	4.0	U	4.0	0.44
79-00-5	1,1,2-Trichloroethane	133.41	4.0	U	4.0	0.34
127-18-4	Tetrachloroethene	165.83	4.0	U	4.0	0.32
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10	U	10	4.0
124-48-1	Dibromochloromethane	208.29	4.0	U	4.0	0.40
106-93-4	1,2-Dibromoethane	187.87	4.0	U	4.0	0.40
108-90-7	Chlorobenzene	112.56	4.0	U	4.0	0.16
100-41-4	Ethylbenzene	106.17	4.0	U	4.0	0.26
179601-23-1	m,p-Xylene	106.17	10	U	10	0.46
95-47-6	Xylene, o-	106.17	4.0	U	4.0	0.32
1330-20-7	Xylene (total)	106.17	4.0	U	4.0	0.68
100-42-5	Styrene	104.15	4.0	U	4.0	0.36
75-25-2	Bromoform	252.75	4.0	U	4.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	4.0	U	4.0	0.32
103-65-1	n-Propylbenzene	120.19	4.0	U	4.0	1.6
622-96-8	4-Ethyltoluene	120.20	4.0	U	4.0	0.36
108-67-8	1,3,5-Trimethylbenzene	120.20	4.0	U	4.0	0.24
95-49-8	2-Chlorotoluene	126.59	4.0	U	4.0	0.26
98-06-6	tert-Butylbenzene	134.22	4.0	U	4.0	0.34
95-63-6	1,2,4-Trimethylbenzene	120.20	4.0	U	4.0	0.28
135-98-8	sec-Butylbenzene	134.22	4.0	U	4.0	1.6
99-87-6	4-Isopropyltoluene	134.22	4.0	U	4.0	1.6
541-73-1	1,3-Dichlorobenzene	147.00	0.63	J	4.0	0.28
106-46-7	1,4-Dichlorobenzene	147.00	4.0	U	4.0	0.28
100-44-7	Benzyl chloride	126.58	4.0	U	4.0	1.6
104-51-8	n-Butylbenzene	134.22	4.0	U	4.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3A Lab Sample ID: 200-20955-8

Matrix: Air Lab File ID: 6267_020.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:03

Sample wt/vol: 38(mL) Date Analyzed: 02/22/2014 02:17

Soil Aliquot Vol: Dilution Factor: 20.1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	4.0	U	4.0	0.28
120-82-1	1,2,4-Trichlorobenzene	181.45	10	U	10	0.54
87-68-3	Hexachloro-1,3-butadiene	260.76	4.0	U	4.0	0.44
91-20-3	Naphthalene	128.17	10	U	10	4.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3A Lab Sample ID: 200-20955-8

Matrix: Air Lab File ID: 6267_020.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:03

Sample wt/vol: 38(mL) Date Analyzed: 02/22/2014 02:17

Soil Aliquot Vol: Dilution Factor: 20.1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	50	U	50	3.0
75-45-6	Freon 22	86.47	8.5	J	36	3.4
76-14-2	Freon-114	170.92	28	U	28	4.9
74-87-3	Chloromethane	50.49	21	U	21	5.6
106-97-8	n-Butane	58.12	24	U	24	13
75-01-4	Vinyl chloride	62.50	2.1	U	2.1	2.0
106-99-0	1,3-Butadiene	54.09	8.9	U	8.9	1.9
74-83-9	Bromomethane	94.94	16	U	16	2.2
75-00-3	Chloroethane	64.52	27	U	27	1.6
593-60-2	Vinyl bromide	106.96	18	U	18	2.6
75-69-4	Freon 11	137.37	23	U	23	3.4
76-13-1	Freon 113	187.38	31	U	31	2.8
75-35-4	1,1-Dichloroethene	96.94	16	U	16	1.9
67-64-1	Acetone	58.08	240	U	240	60
67-63-0	Isopropyl alcohol	60.10	1500		250	11
75-15-0	Carbon disulfide	76.14	31	U	31	4.1
107-05-1	Allyl chloride	76.53	31	U	31	2.1
75-09-2	Methylene Chloride	84.93	1400		35	8.7
75-65-0	tert-Butyl alcohol	74.12	300	U	300	20
1634-04-4	Methyl tert-butyl ether	88.15	14	U	14	1.6
156-60-5	trans-1,2-Dichloroethene	96.94	16	U	16	2.3
110-54-3	Hexane	86.17	14	U	14	2.4
75-34-3	1,1-Dichloroethane	98.96	16	U	16	3.1
78-93-3	Methyl Ethyl Ketone	72.11	35		30	14
156-59-2	cis-1,2-Dichloroethene	96.94	16	U	16	3.0
540-59-0	1,2-Dichloroethene, Total	96.94	16	U	16	5.1
67-66-3	Chloroform	119.38	20	U	20	2.5
109-99-9	Tetrahydrofuran	72.11	6.0	J	300	2.7
71-55-6	1,1,1-Trichloroethane	133.41	22	U	22	2.3
110-82-7	Cyclohexane	84.16	14	U	14	1.7
56-23-5	Carbon tetrachloride	153.81	5.1	U	5.1	2.7
540-84-1	2,2,4-Trimethylpentane	114.23	19	U	19	2.5
71-43-2	Benzene	78.11	13	U	13	1.2
107-06-2	1,2-Dichloroethane	98.96	16	U	16	1.4
142-82-5	Heptane	100.21	16	U	16	3.8

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3A Lab Sample ID: 200-20955-8

Matrix: Air Lab File ID: 6267_020.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:03

Sample wt/vol: 38(mL) Date Analyzed: 02/22/2014 02:17

Soil Aliquot Vol: Dilution Factor: 20.1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	4.3	U	4.3	2.6
80-62-6	Methyl methacrylate	100.12	41	U	41	2.5
78-87-5	1,2-Dichloropropane	112.99	19	U	19	3.0
123-91-1	1,4-Dioxane	88.11	360	U	360	14
75-27-4	Bromodichloromethane	163.83	27	U	27	2.3
10061-01-5	cis-1,3-Dichloropropene	110.97	18	U	18	2.6
108-10-1	methyl isobutyl ketone	100.16	41	U	41	2.2
108-88-3	Toluene	92.14	5.7	J	15	1.3
10061-02-6	trans-1,3-Dichloropropene	110.97	18	U	18	2.0
79-00-5	1,1,2-Trichloroethane	133.41	22	U	22	1.9
127-18-4	Tetrachloroethene	165.83	27	U	27	2.2
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	41	U	41	16
124-48-1	Dibromochloromethane	208.29	34	U	34	3.4
106-93-4	1,2-Dibromoethane	187.87	31	U	31	3.1
108-90-7	Chlorobenzene	112.56	19	U	19	0.75
100-41-4	Ethylbenzene	106.17	17	U	17	1.1
179601-23-1	m,p-Xylene	106.17	44	U	44	2.0
95-47-6	Xylene, o-	106.17	17	U	17	1.4
1330-20-7	Xylene (total)	106.17	17	U	17	3.0
100-42-5	Styrene	104.15	17	U	17	1.5
75-25-2	Bromoform	252.75	42	U	42	2.1
79-34-5	1,1,2,2-Tetrachloroethane	167.85	28	U	28	2.2
103-65-1	n-Propylbenzene	120.19	20	U	20	7.9
622-96-8	4-Ethyltoluene	120.20	20	U	20	1.8
108-67-8	1,3,5-Trimethylbenzene	120.20	20	U	20	1.2
95-49-8	2-Chlorotoluene	126.59	21	U	21	1.4
98-06-6	tert-Butylbenzene	134.22	22	U	22	1.9
95-63-6	1,2,4-Trimethylbenzene	120.20	20	U	20	1.4
135-98-8	sec-Butylbenzene	134.22	22	U	22	8.8
99-87-6	4-Isopropyltoluene	134.22	22	U	22	8.8
541-73-1	1,3-Dichlorobenzene	147.00	3.8	J	24	1.7
106-46-7	1,4-Dichlorobenzene	147.00	24	U	24	1.7
100-44-7	Benzyl chloride	126.58	21	U	21	8.3
104-51-8	n-Butylbenzene	134.22	22	U	22	8.8

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3A Lab Sample ID: 200-20955-8

Matrix: Air Lab File ID: 6267_020.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:03

Sample wt/vol: 38(mL) Date Analyzed: 02/22/2014 02:17

Soil Aliquot Vol: Dilution Factor: 20.1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	24	U	24	1.7
120-82-1	1,2,4-Trichlorobenzene	181.45	75	U	75	4.0
87-68-3	Hexachloro-1,3-butadiene	260.76	43	U	43	4.7
91-20-3	Naphthalene	128.17	53	U	53	21

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_020.D
Lims ID: 200-20955-A-8 Lab Sample ID: 200-20955-8
Client ID: SS-VMP-3A
Sample Type: Client
Inject. Date: 22-Feb-2014 02:17:30 ALS Bottle#: 17 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 20.1000
Sample Info: 200-0006267-020
Misc. Info.: 20955-8
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:38:08 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: lyonsb Date: 24-Feb-2014 10:46:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		3.127					
6 Chlorodifluoromethane	51	3.181	3.181	0.001	80	9652	0.1196	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.405					
8 Chloromethane	50		3.539					
9 Butane	43		3.758					
10 Vinyl chloride	62		3.796					
11 Butadiene	54		3.876					
12 Bromomethane	94		4.577					
14 Chloroethane	64		4.828					
16 Vinyl bromide	106		5.229					
17 Trichlorofluoromethane	101		5.347					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.476					
24 1,1-Dichloroethene	96		6.497					
25 Acetone	43		6.717					
26 Carbon disulfide	76		6.883					
27 Isopropyl alcohol	45	7.038	7.038	0.0	98	1501031	31.0	
29 3-Chloro-1-propene	41		7.300					
31 Methylene Chloride	49	7.594	7.599	-0.005	80	959482	19.9	
32 2-Methyl-2-propanol	59		7.835					
33 Methyl tert-butyl ether	73		8.038					
34 trans-1,2-Dichloroethene	61		8.059					
36 Hexane	57		8.493					
37 1,1-Dichloroethane	63		8.947					
39 cis-1,2-Dichloroethene	96		10.087					
40 2-Butanone (MEK)	72	10.135	10.135	0.0	98	17606	0.5909	
S 41 1,2-Dichloroethene, Total	61		10.200					
* 43 Chlorobromomethane	128	10.558	10.563	-0.005	68	683348	10.0	
44 Tetrahydrofuran	42	10.590	10.579	0.011	89	4728	0.1015	
45 Chloroform	83		10.702					
46 Cyclohexane	84		10.991					
47 1,1,1-Trichloroethane	97		11.002					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	48 Carbon tetrachloride		117		11.269					
	50 Benzene		78		11.740					
	51 Isooctane		57		11.761					
	52 1,2-Dichloroethane		62		11.911					
	53 n-Heptane		43		12.168					
*	54 1,4-Difluorobenzene		114	12.617	12.623	-0.006	91	3917963	10.0	
	56 Trichloroethene		95		13.110					
	58 1,2-Dichloropropane		63		13.682					
	59 Methyl methacrylate		69		13.880					
	60 1,4-Dioxane		88		13.917					
	62 Dichlorobromomethane		83		14.249					
	64 cis-1,3-Dichloropropene		75		15.228					
	65 4-Methyl-2-pentanone (MIBK)		43		15.528					
	66 Toluene		92	15.854	15.849	0.005	89	20497	0.0749	
	70 trans-1,3-Dichloropropene		75		16.437					
	71 1,1,2-Trichloroethane		83		16.812					
	72 Tetrachloroethene		166		16.961					
	73 2-Hexanone		43		17.282					
	74 Chlorodibromomethane		129		17.587					
	75 Ethylene Dibromide		107		17.860					
*	76 Chlorobenzene-d5		117	18.786	18.786	0.0	81	3734422	10.0	
	77 Chlorobenzene		112		18.844					
	78 Ethylbenzene		91		19.016					
	80 m-Xylene & p-Xylene		106		19.272					
S	82 Xylenes, Total		106		20.100					
	83 o-Xylene		106		20.102					
	84 Styrene		104		20.144					
	85 Bromoform		173		20.530					
$	87 4-Bromofluorobenzene		95	21.107	21.107	0.0	98	1781072	NC	
	88 1,1,2,2-Tetrachloroethane		83		21.364					
	90 N-Propylbenzene		91		21.471					
	92 2-Chlorotoluene		91		21.653					
	91 4-Ethyltoluene		105		21.653					
	94 1,3,5-Trimethylbenzene		105		21.760					
	96 tert-Butylbenzene		119		22.242					
	97 1,2,4-Trimethylbenzene		105		22.332					
	98 sec-Butylbenzene		105		22.562					
	99 4-Isopropyltoluene		119		22.760					
	100 1,3-Dichlorobenzene		146	22.777	22.776	0.0	77	10381	0.0311	
	101 1,4-Dichlorobenzene		146		22.910					
	102 Benzyl chloride		91		23.103					
	103 n-Butylbenzene		91		23.338					
	105 1,2-Dichlorobenzene		146		23.451					
	107 1,2,4-Trichlorobenzene		180		26.013					
	108 Hexachlorobutadiene		225		26.227					
	109 Naphthalene		128		26.505					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

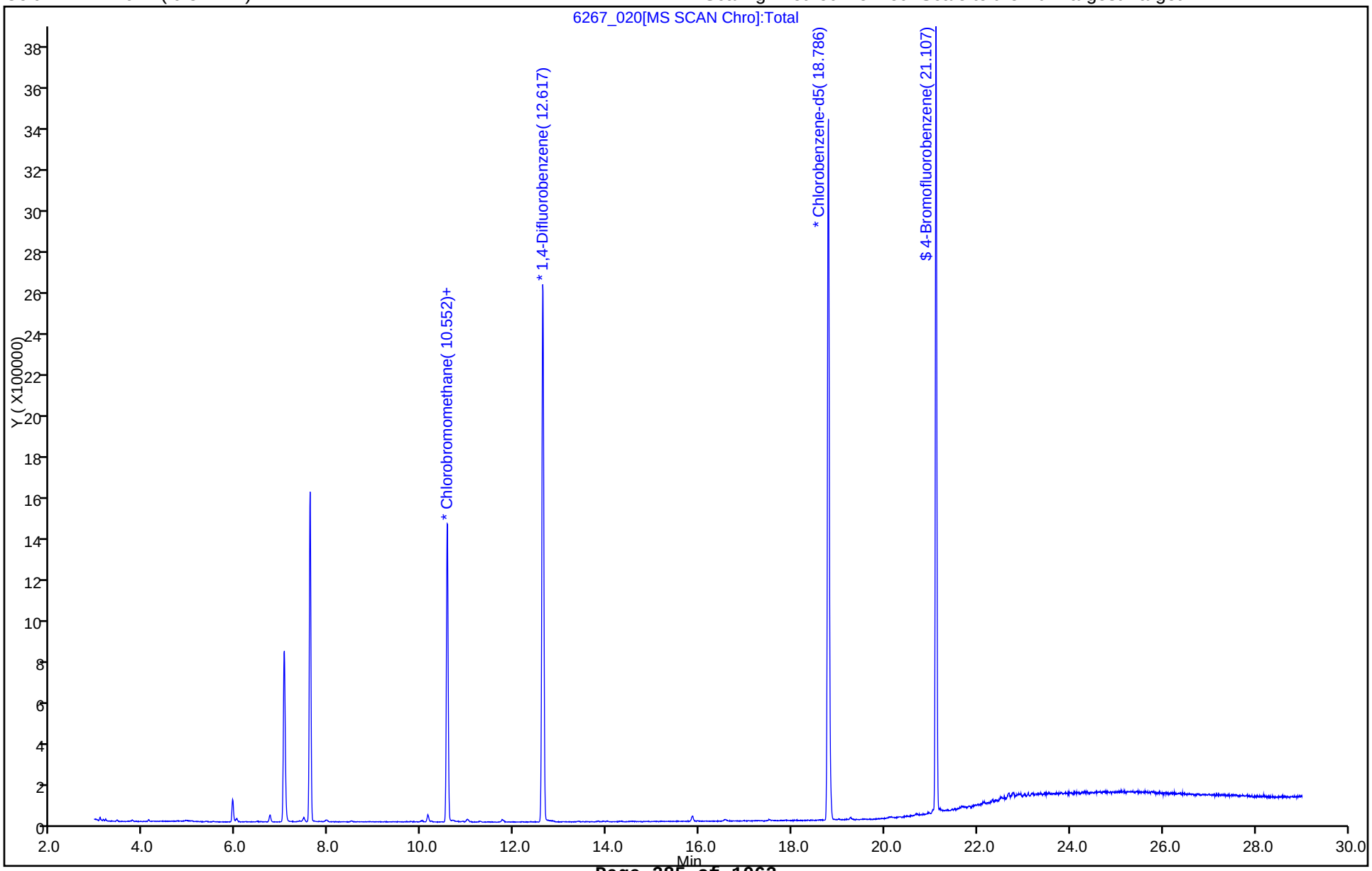
Report Date: 24-Feb-2014 11:38:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_020.D

Injection Date:	22-Feb-2014 02:17:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	200-20955-A-8	Lab Sample ID:	200-20955-8	Worklist Smp#:	20
Client ID:	SS-VMP-3A				
Purge Vol:	200.000 mL	Dil. Factor:	20.1000	ALS Bottle#:	17
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



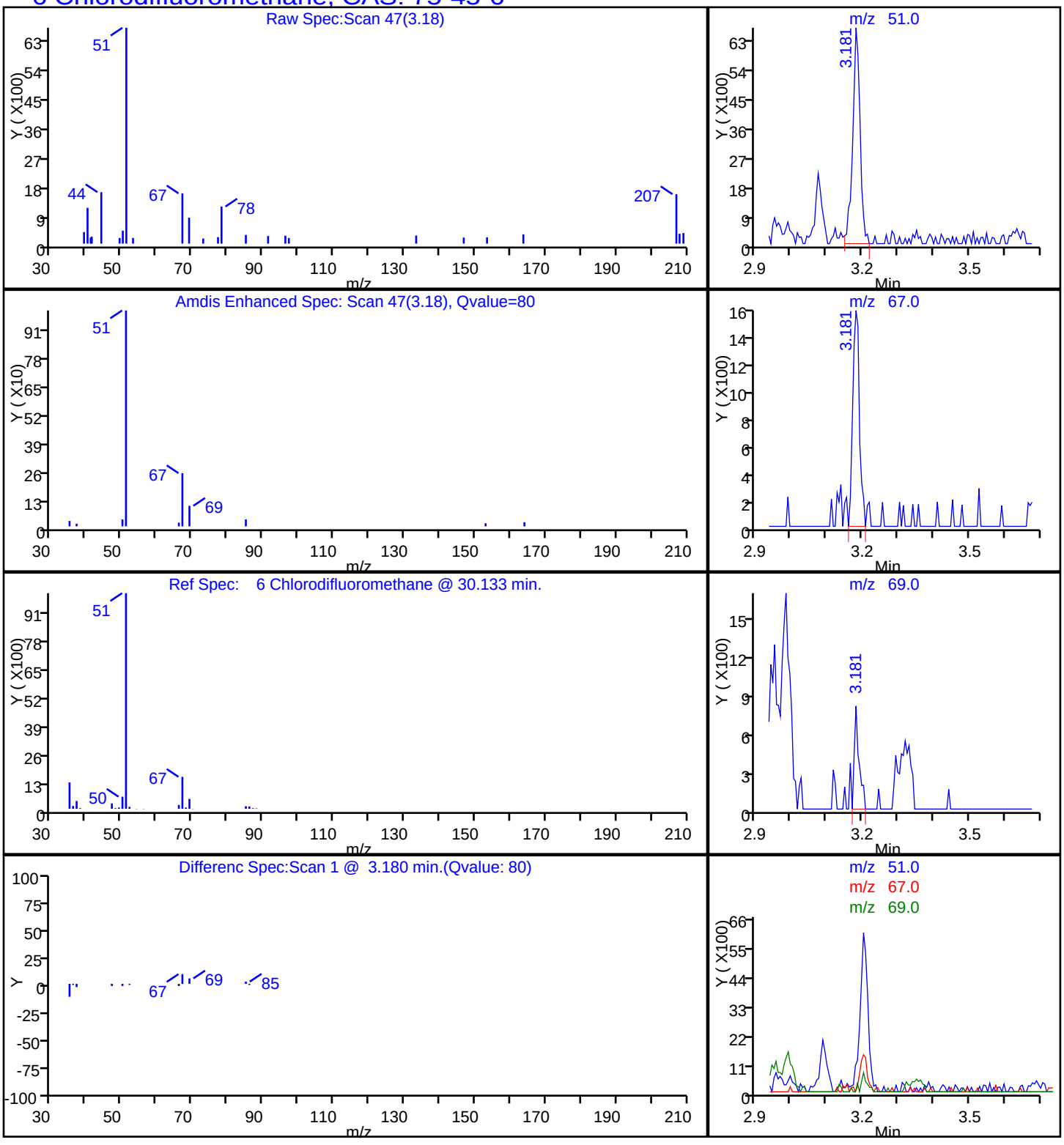
Report Date: 24-Feb-2014 11:38:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_020.D

Injection Date:	22-Feb-2014 02:17:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-8	Lab Sample ID:	200-20955-8		
Client ID:	SS-VMP-3A				
Operator ID:	bl	ALS Bottle#:	17	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	20.1000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



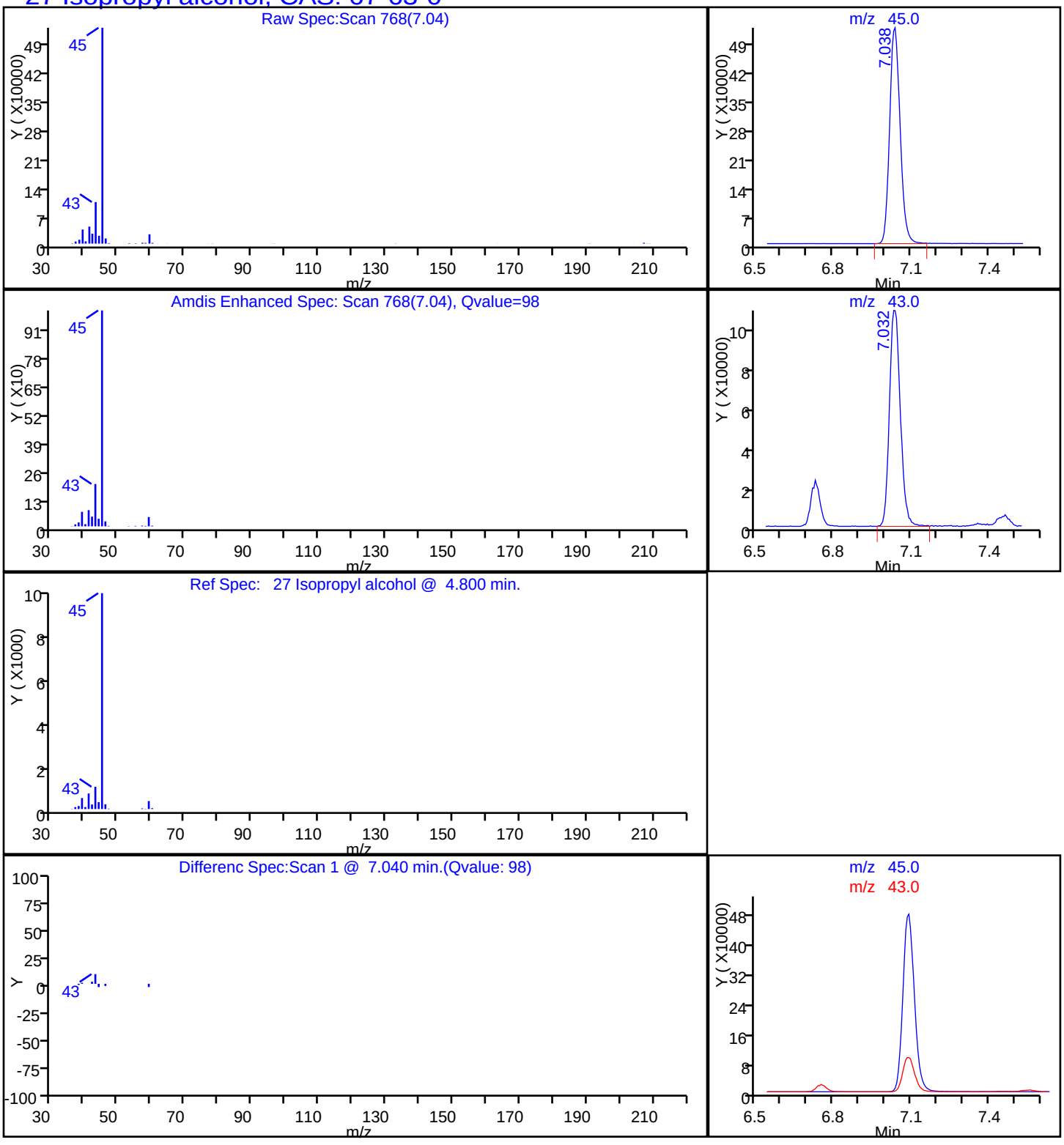
Report Date: 24-Feb-2014 11:38:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_020.D

Injection Date:	22-Feb-2014 02:17:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-8	Lab Sample ID:	200-20955-8		
Client ID:	SS-VMP-3A				
Operator ID:	bl	ALS Bottle#:	17	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	20.1000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



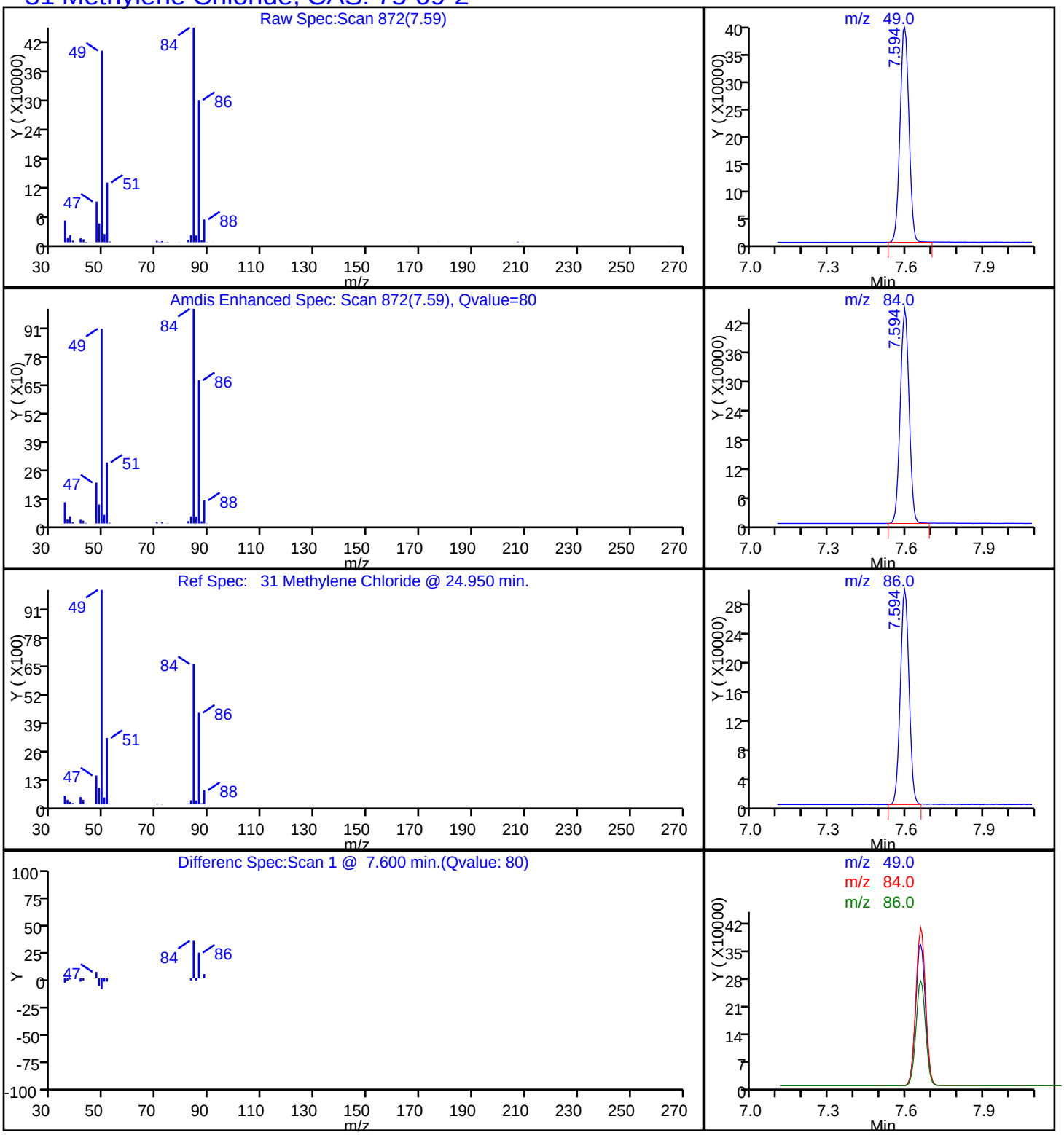
Report Date: 24-Feb-2014 11:38:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_020.D

Injection Date:	22-Feb-2014 02:17:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-8	Lab Sample ID:	200-20955-8		
Client ID:	SS-VMP-3A				
Operator ID:	bl	ALS Bottle#:	17	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	20.1000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



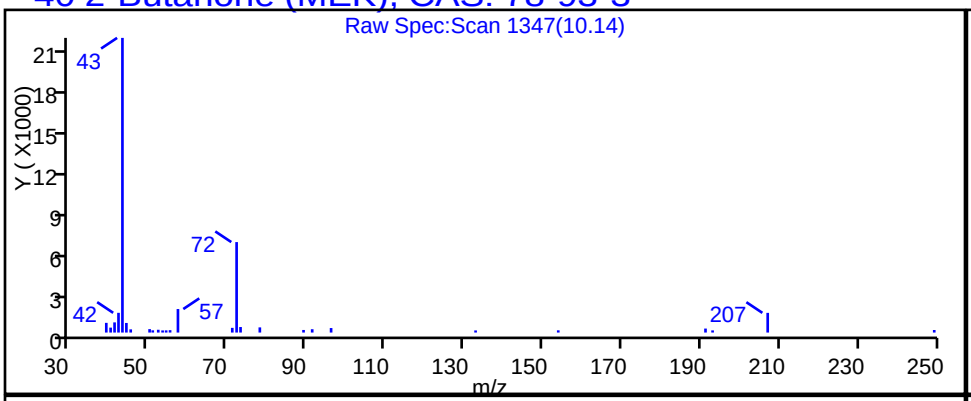
Report Date: 24-Feb-2014 11:38:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

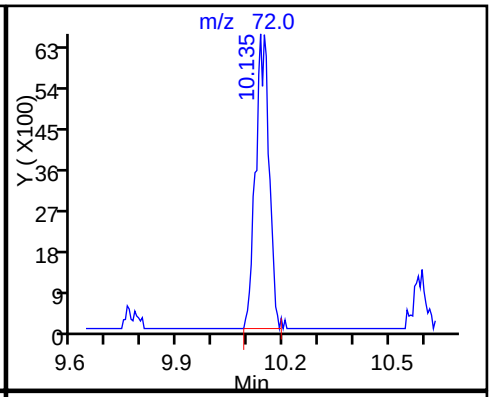
TestAmerica Burlington

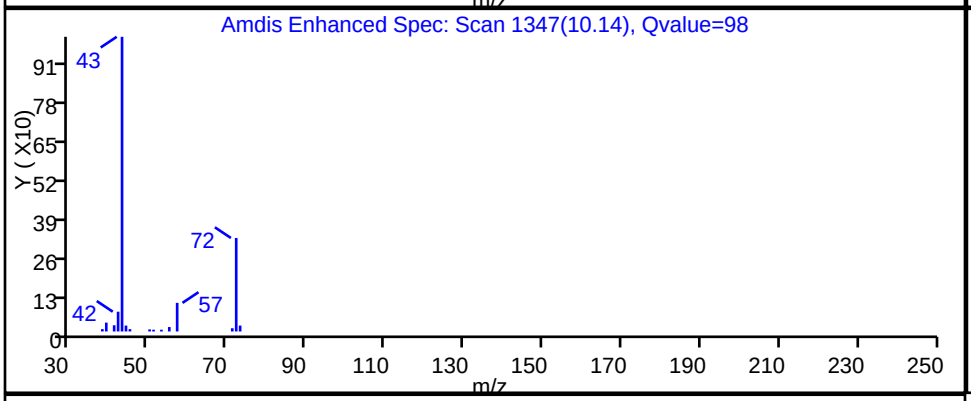
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_020.D

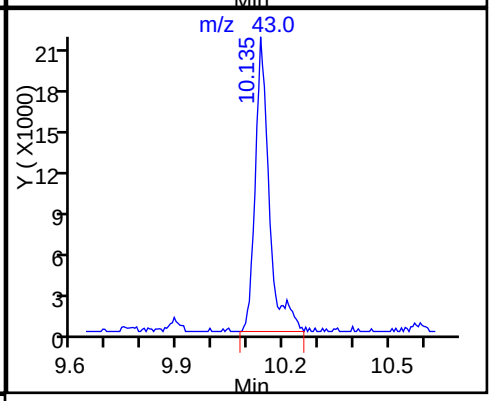
Injection Date:	22-Feb-2014 02:17:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-8	Lab Sample ID:	200-20955-8		
Client ID:	SS-VMP-3A				
Operator ID:	bl	ALS Bottle#:	17	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	20.1000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

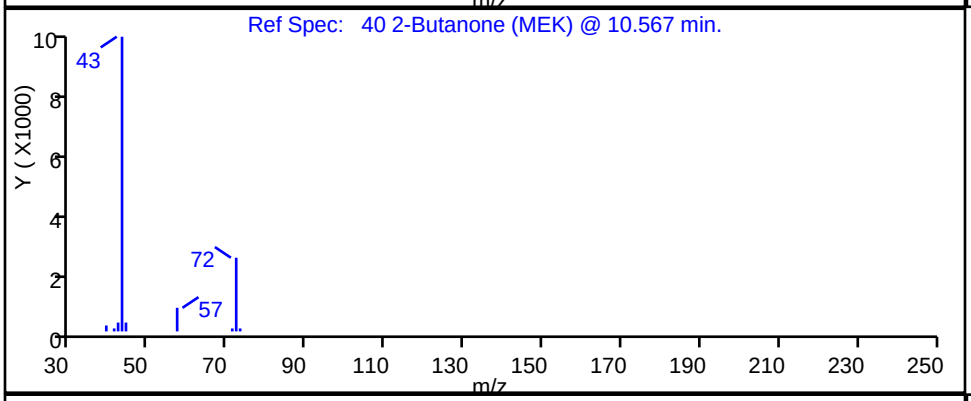
40 2-Butanone (MEK), CAS: 78-93-3

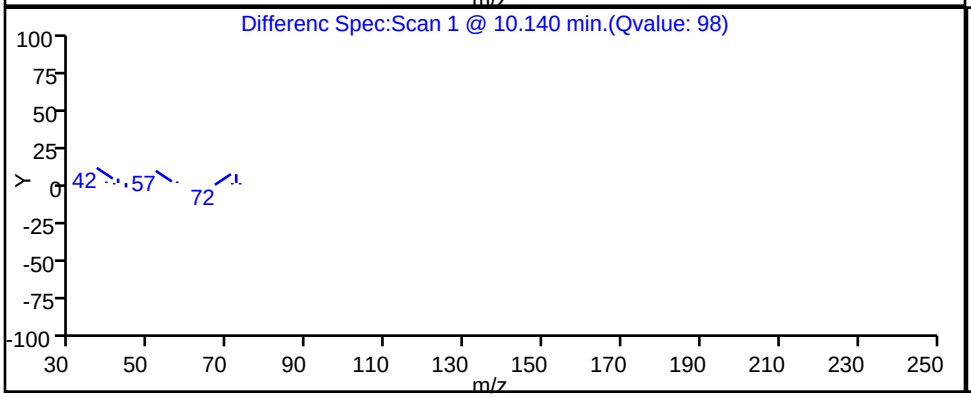


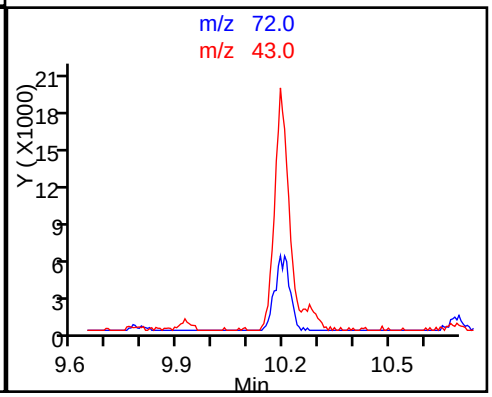












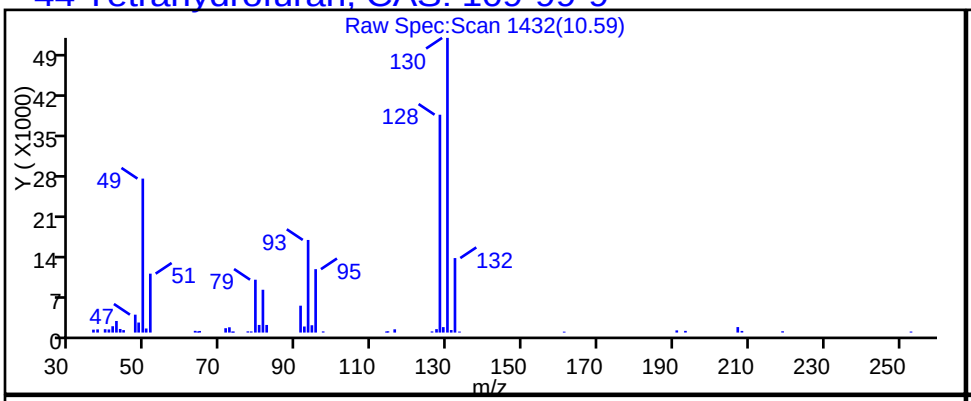
Report Date: 24-Feb-2014 11:38:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

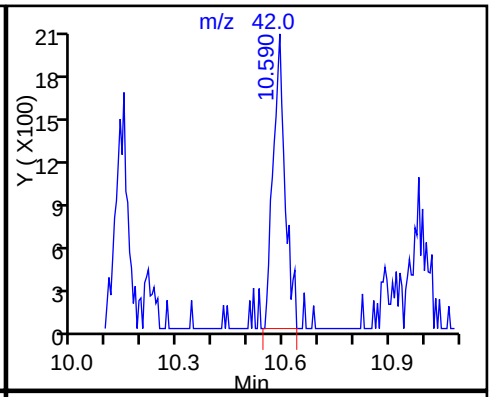
TestAmerica Burlington

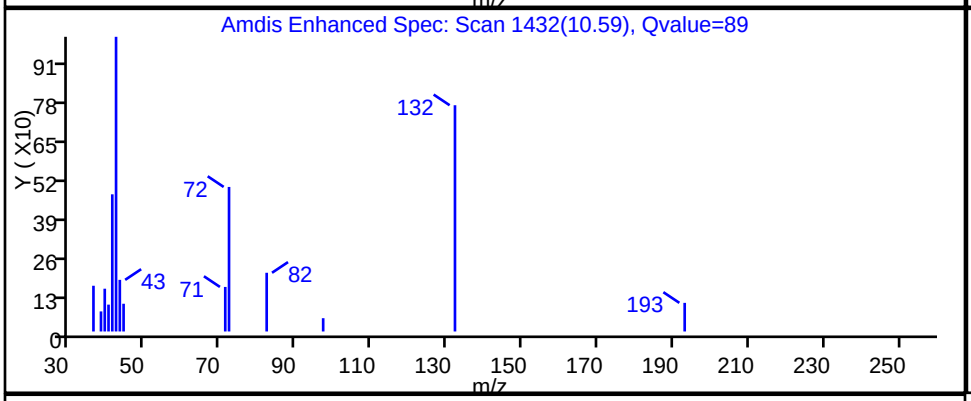
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_020.D

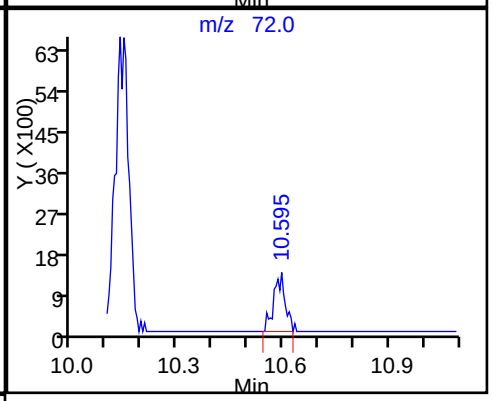
Injection Date:	22-Feb-2014 02:17:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-8	Lab Sample ID:	200-20955-8		
Client ID:	SS-VMP-3A				
Operator ID:	bl	ALS Bottle#:	17	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	20.1000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

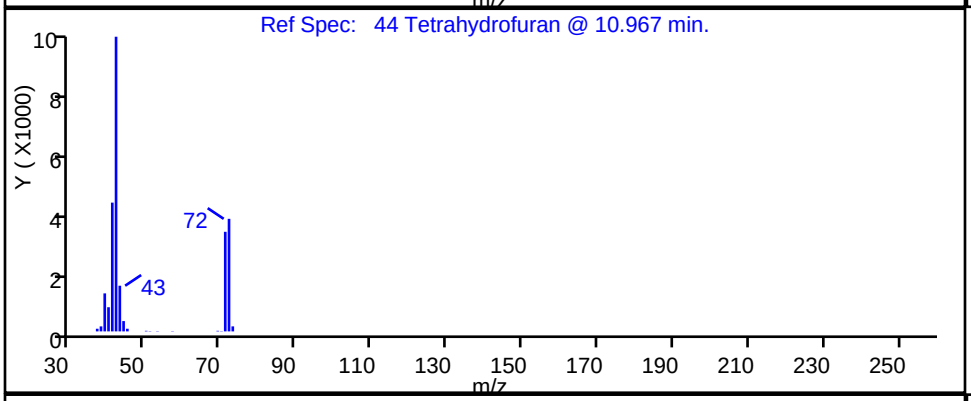
44 Tetrahydrofuran, CAS: 109-99-9

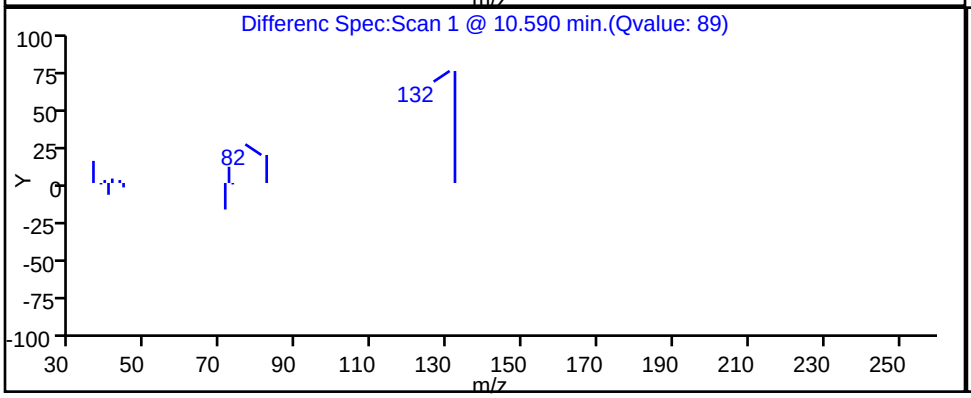


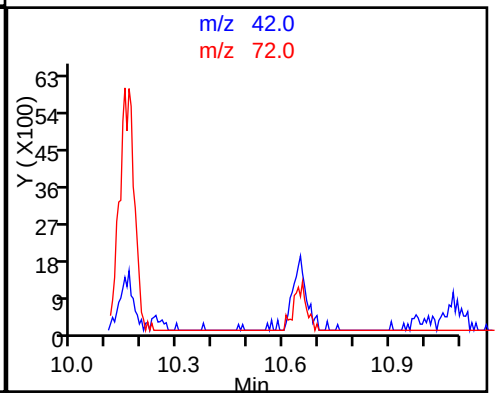












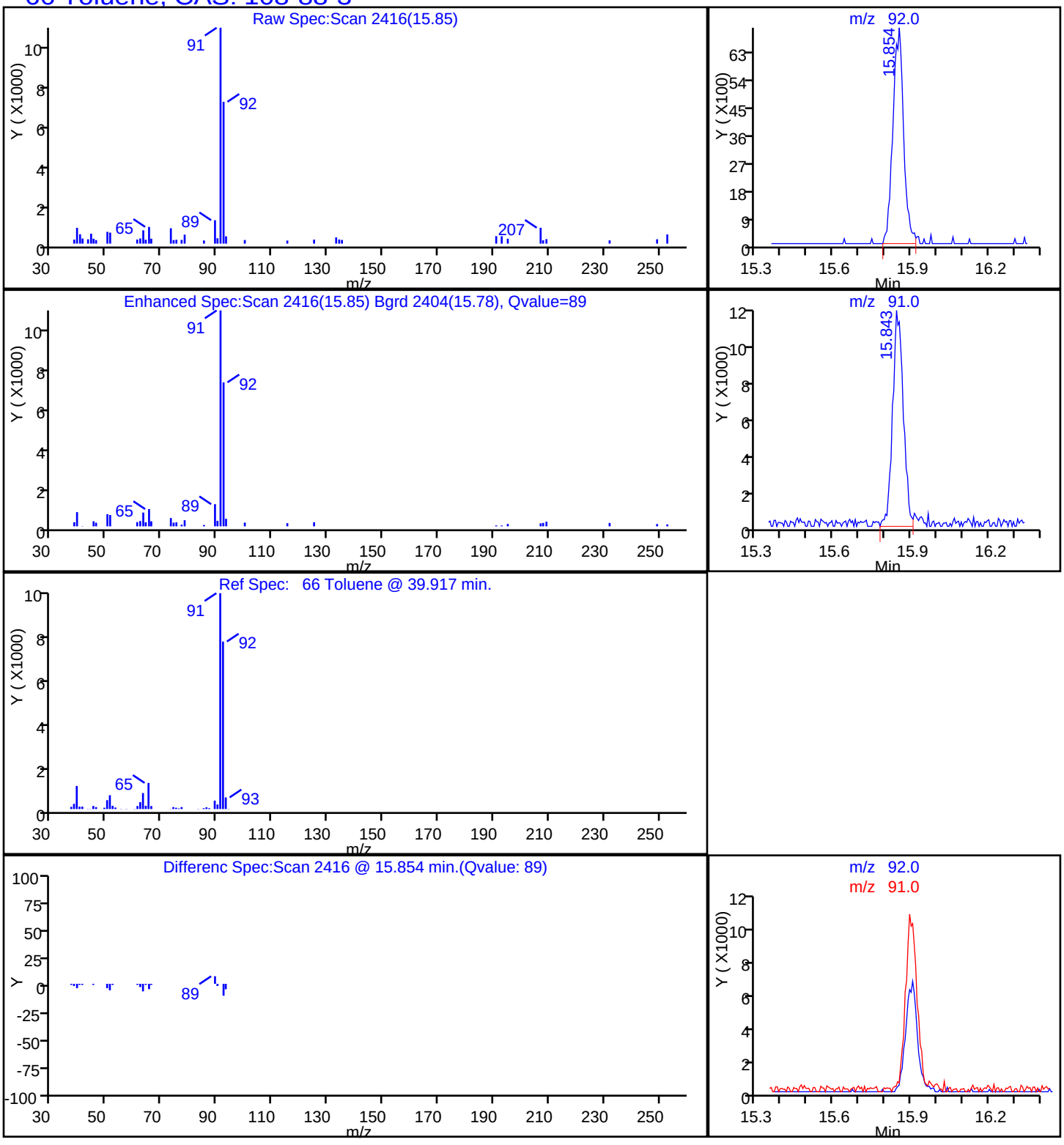
Report Date: 24-Feb-2014 11:38:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_020.D

Injection Date:	22-Feb-2014 02:17:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-8	Lab Sample ID:	200-20955-8		
Client ID:	SS-VMP-3A				
Operator ID:	bl	ALS Bottle#:	17	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	20.1000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



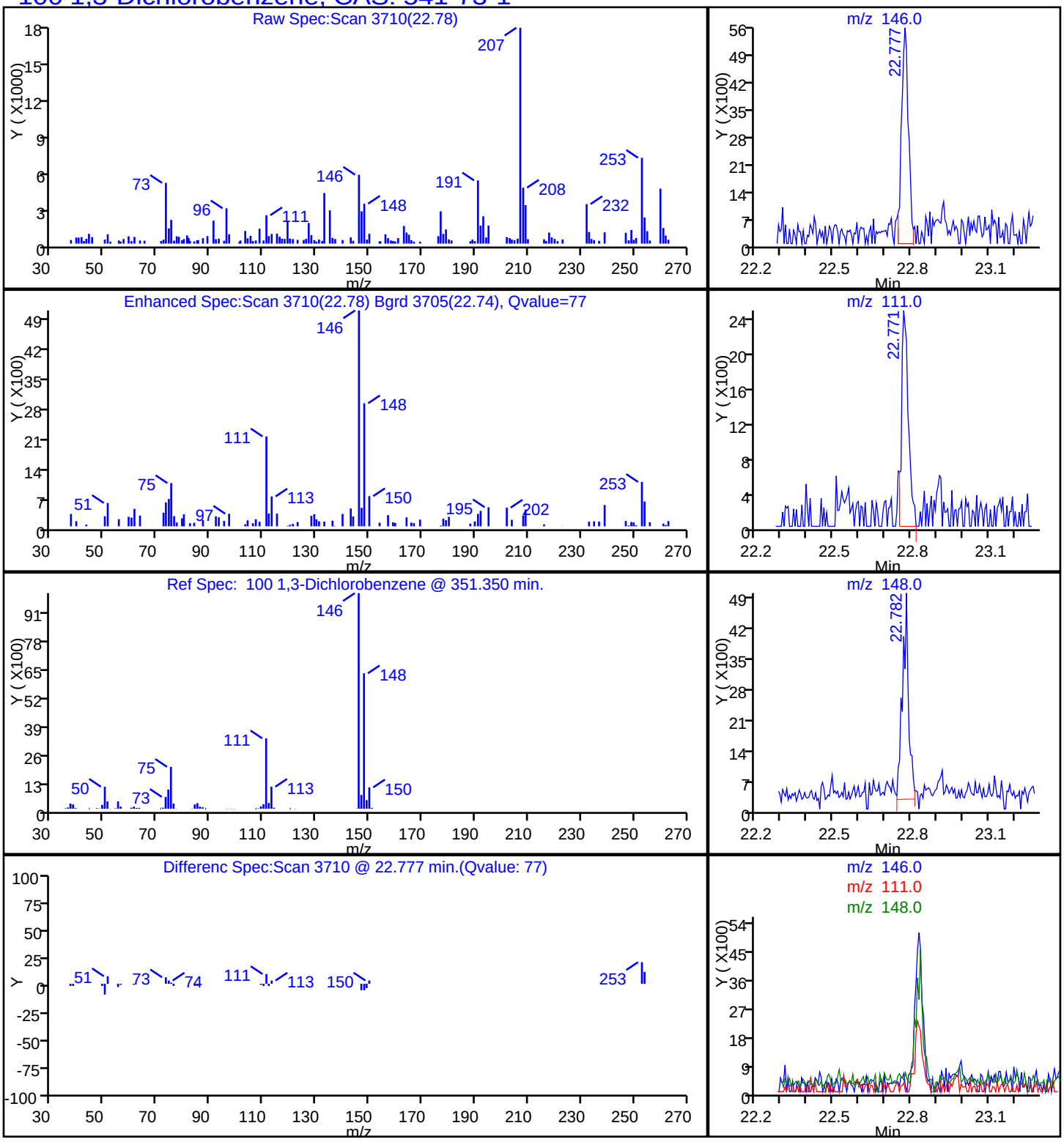
Report Date: 24-Feb-2014 11:38:39 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_020.D

Injection Date:	22-Feb-2014 02:17:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-8	Lab Sample ID:	200-20955-8		
Client ID:	SS-VMP-3A				
Operator ID:	bl	ALS Bottle#:	17	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	20.1000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3B Lab Sample ID: 200-20955-10

Matrix: Air Lab File ID: 6267_021.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:25

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 03:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.20	J	0.50	0.030
75-45-6	Freon 22	86.47	0.25	J	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.87		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.11	J	0.20	0.030
76-13-1	Freon 113	187.38	0.032	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	10		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	150	E	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	5.9		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.33		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	4.5		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	0.19	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.27		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.035	J	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.088	J	0.20	0.027
71-43-2	Benzene	78.11	0.18	J	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.25		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3B Lab Sample ID: 200-20955-10

Matrix: Air Lab File ID: 6267_021.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:25

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 03:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.12	J	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.33		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.042	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.12	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.047	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.17	J	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.019	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.019	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.043	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.68		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.31		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3B Lab Sample ID: 200-20955-10

Matrix: Air Lab File ID: 6267_021.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:25

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 03:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3B Lab Sample ID: 200-20955-10

Matrix: Air Lab File ID: 6267_021.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:25

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 03:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	1.0	J	2.5	0.15
75-45-6	Freon 22	86.47	0.87	J	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	2.1		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	0.61	J	1.1	0.17
76-13-1	Freon 113	187.38	0.24	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	24		12	3.0
67-63-0	Isopropyl alcohol	60.10	380	E	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	21		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	1.1		0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	13		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.55	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.94		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.22	J	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.41	J	0.93	0.13
71-43-2	Benzene	78.11	0.59	J	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	1.0		0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3B Lab Sample ID: 200-20955-10

Matrix: Air Lab File ID: 6267_021.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:25

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 03:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	0.49	J	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	1.2		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.18	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.50	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.20	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.73	J	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.095	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.095	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.21	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	3.7		1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.9		1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3B Lab Sample ID: 200-20955-10

Matrix: Air Lab File ID: 6267_021.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:25

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 03:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

Report Date: 24-Feb-2014 11:38:40 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D
Lims ID: 200-20955-A-10 Lab Sample ID: 200-20955-10
Client ID: SS-VMP-3B
Sample Type: Client
Inject. Date: 22-Feb-2014 03:04:30 ALS Bottle#: 18 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006267-021
Misc. Info.: 20955-10
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:38:08 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: lyonsb Date: 24-Feb-2014 10:47:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	98	44221	0.2047	
6 Chlorodifluoromethane	51	3.181	3.181	0.001	81	20009	0.2460	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.405					
8 Chloromethane	50		3.539					
9 Butane	43	3.759	3.758	0.001	96	47276	0.8744	
10 Vinyl chloride	62		3.796					
11 Butadiene	54		3.876					
12 Bromomethane	94		4.577					
14 Chloroethane	64		4.828					
16 Vinyl bromide	106		5.229					
17 Trichlorofluoromethane	101	5.347	5.347	0.0	88	26593	0.1078	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	64	4898	0.0316	
24 1,1-Dichloroethene	96		6.497					
25 Acetone	43	6.717	6.717	0.0	87	615667	10.2	
26 Carbon disulfide	76		6.883					
27 Isopropyl alcohol	45	7.065	7.038	0.027	98	7527274	154.2	E
29 3-Chloro-1-propene	41		7.300					
31 Methylene Chloride	49	7.594	7.599	-0.005	80	288619	5.93	
32 2-Methyl-2-propanol	59		7.835					
33 Methyl tert-butyl ether	73		8.038					
34 trans-1,2-Dichloroethene	61		8.059					
36 Hexane	57	8.488	8.493	-0.005	88	18852	0.3262	
37 1,1-Dichloroethane	63		8.947					
39 cis-1,2-Dichloroethene	96		10.087					
40 2-Butanone (MEK)	72	10.130	10.135	-0.005	98	134173	4.47	
S 41 1,2-Dichloroethene, Total	61		10.200					
* 43 Chlorobromomethane	128	10.558	10.563	-0.005	67	688695	10.0	
44 Tetrahydrofuran	42	10.579	10.579	0.0	46	8735	0.1865	
45 Chloroform	83		10.702					
46 Cyclohexane	84	10.991	10.991	0.0	66	26938	0.2741	M
47 1,1,1-Trichloroethane	97		11.002					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	48 Carbon tetrachloride	117	11.275	11.269	0.006	75	10496	0.0354		
	50 Benzene	78	11.740	11.740	0.0	93	48526	0.1847		
	51 Isooctane	57	11.762	11.761	0.001	84	27702	0.0884		
	52 1,2-Dichloroethane	62		11.911						
	53 n-Heptane	43	12.174	12.168	0.006	90	29026	0.2491		
*	54 1,4-Difluorobenzene	114	12.623	12.623	0.0	91	3937334	10.0		
	56 Trichloroethene	95		13.110						
	58 1,2-Dichloropropane	63		13.682						
	59 Methyl methacrylate	69	13.891	13.880	0.011	66	12772	0.1194		
	60 1,4-Dioxane	88		13.917						
	62 Dichlorobromomethane	83		14.249						
	64 cis-1,3-Dichloropropene	75		15.228						
	65 4-Methyl-2-pentanone (MIBK)	43		15.528						
	66 Toluene	92	15.844	15.849	-0.005	94	90898	0.3270		
	70 trans-1,3-Dichloropropene	75		16.437						
	71 1,1,2-Trichloroethane	83		16.812						
	72 Tetrachloroethene	166		16.961						
	73 2-Hexanone	43		17.282						
	74 Chlorodibromomethane	129		17.587						
	75 Ethylene Dibromide	107		17.860						
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	81	3794859	10.0		
	77 Chlorobenzene	112		18.844						
	78 Ethylbenzene	91	19.016	19.016	0.0	86	24464	0.0424		
	80 m-Xylene & p-Xylene	106	19.262	19.272	-0.010	99	27336	0.1158		
S	82 Xylenes, Total	106				0		0.1626		7
	83 o-Xylene	106	20.091	20.102	-0.011	86	11539	0.0468		
	84 Styrene	104		20.144						
	85 Bromoform	173		20.530						
$	87 4-Bromofluorobenzene	95	21.108	21.107	0.001	98	1911280	NC		
	88 1,1,2,2-Tetrachloroethane	83		21.364						
	90 N-Propylbenzene	91		21.471						
	92 2-Chlorotoluene	91		21.653						
	91 4-Ethyltoluene	105	21.653	21.653	0.0	67	11057	0.0194		7
	94 1,3,5-Trimethylbenzene	105	21.750	21.760	-0.010	74	10830	0.0192		7
	96 tert-Butylbenzene	119		22.242						
	97 1,2,4-Trimethylbenzene	105	22.333	22.332	0.001	95	23493	0.0431		
	98 sec-Butylbenzene	105		22.562						
	99 4-Isopropyltoluene	119	22.755	22.760	-0.005	97	448991	0.6796		
	100 1,3-Dichlorobenzene	146	22.777	22.776	0.001	91	105536	0.3116		
	101 1,4-Dichlorobenzene	146		22.910						
	102 Benzyl chloride	91		23.103						
	103 n-Butylbenzene	91		23.338						
	105 1,2-Dichlorobenzene	146		23.451						
	107 1,2,4-Trichlorobenzene	180		26.013						
	108 Hexachlorobutadiene	225		26.227						
	109 Naphthalene	128		26.505						

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

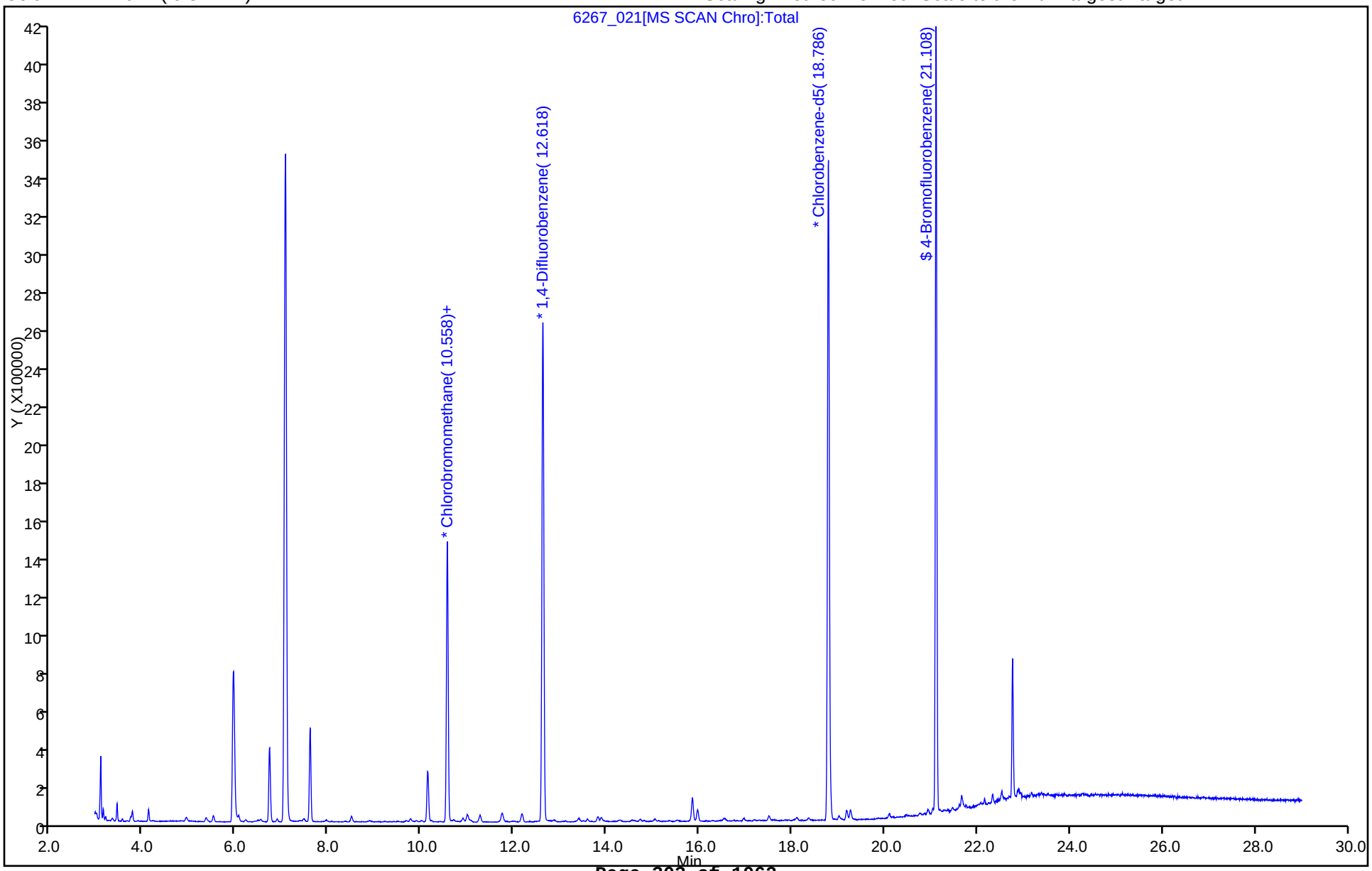
Report Date: 24-Feb-2014 11:38:40 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10	Worklist Smp#:	21
Client ID:	SS-VMP-3B				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



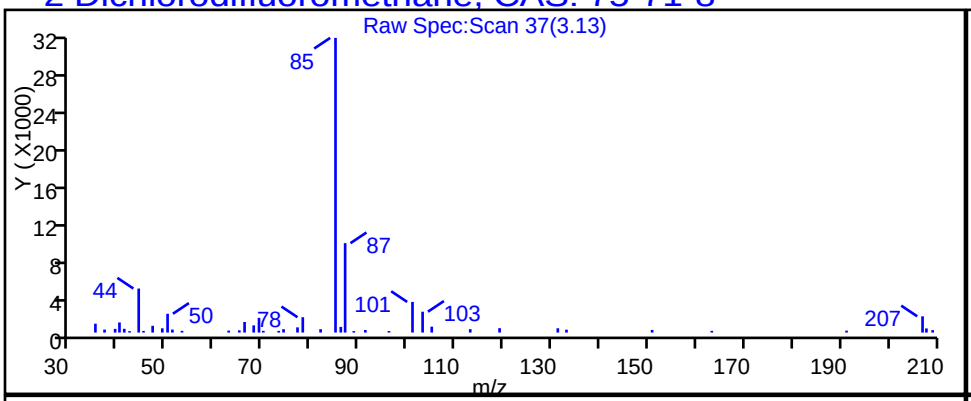
Report Date: 24-Feb-2014 11:38:40 Chrom Revision: 2.2 06-Feb-2014 15:19:06

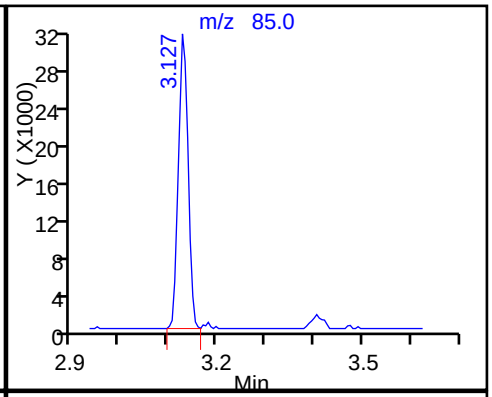
TestAmerica Burlington

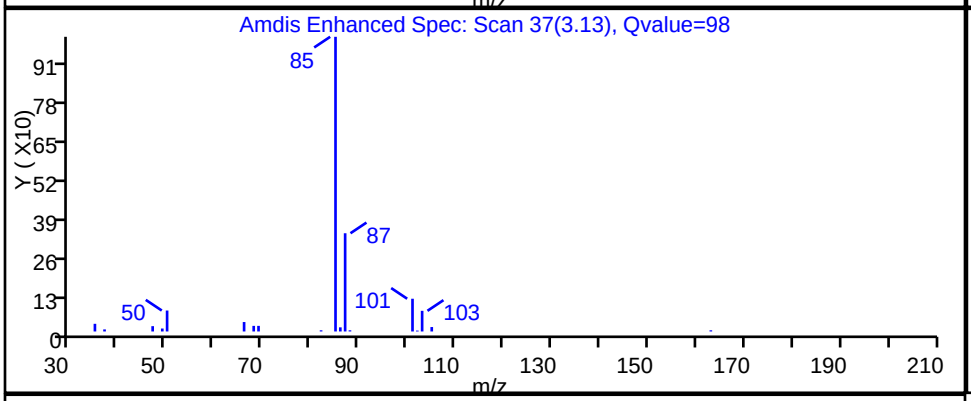
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

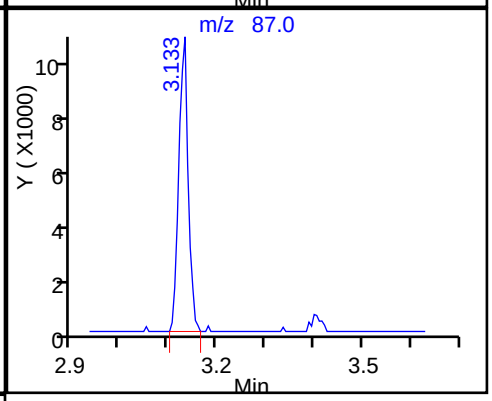
Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

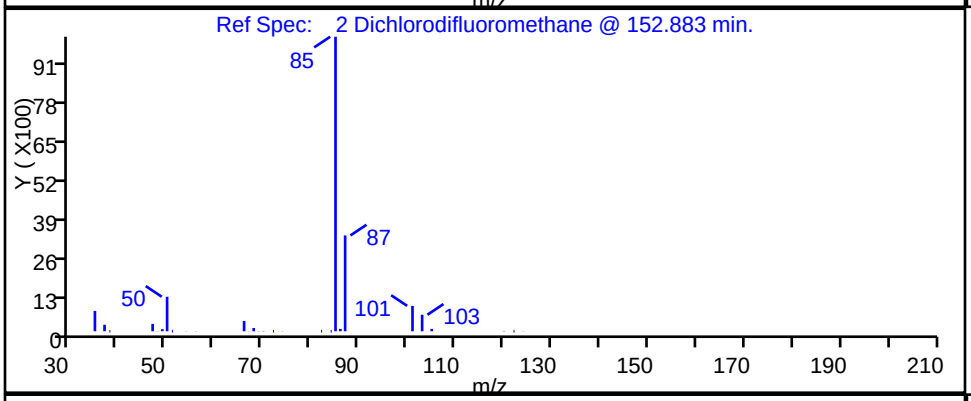
2 Dichlorodifluoromethane, CAS: 75-71-8

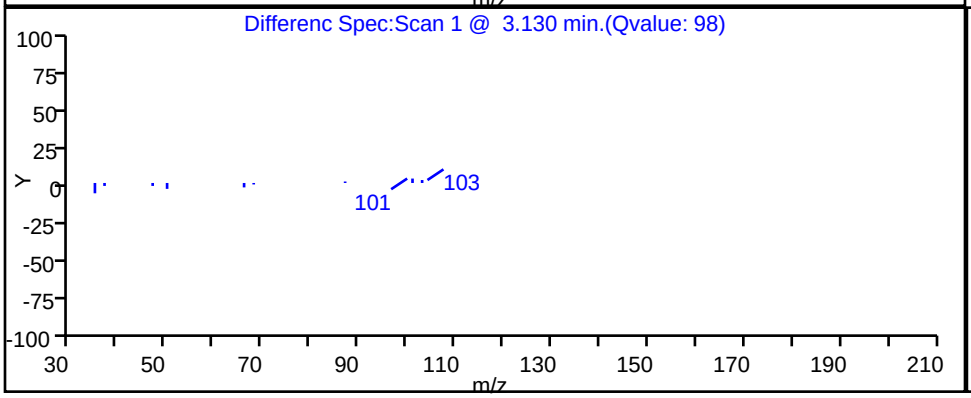


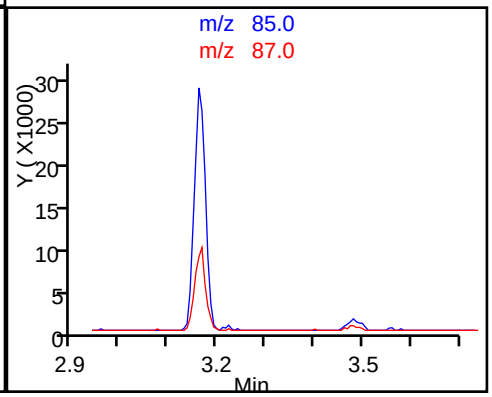












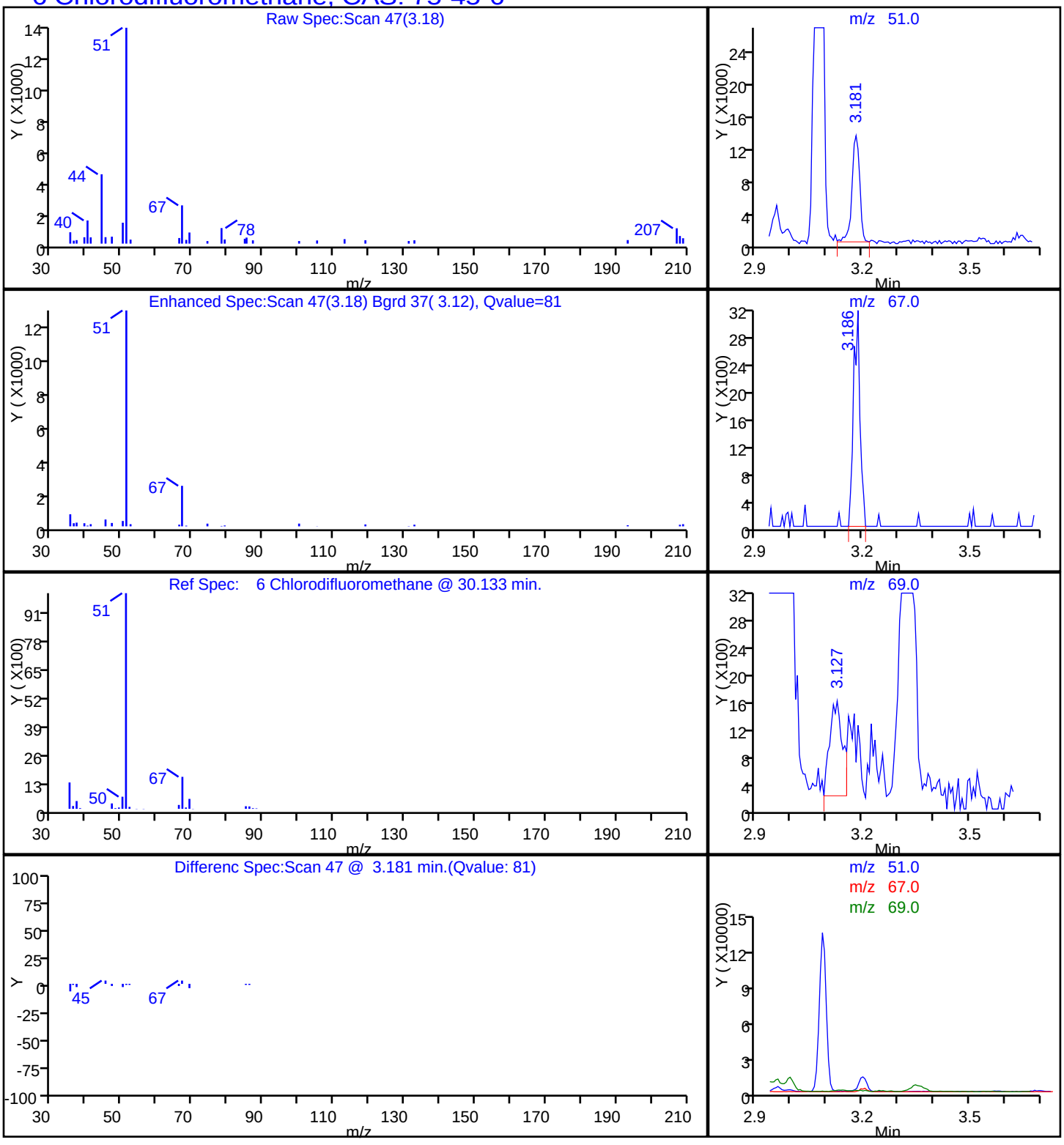
Report Date: 24-Feb-2014 11:38:40 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



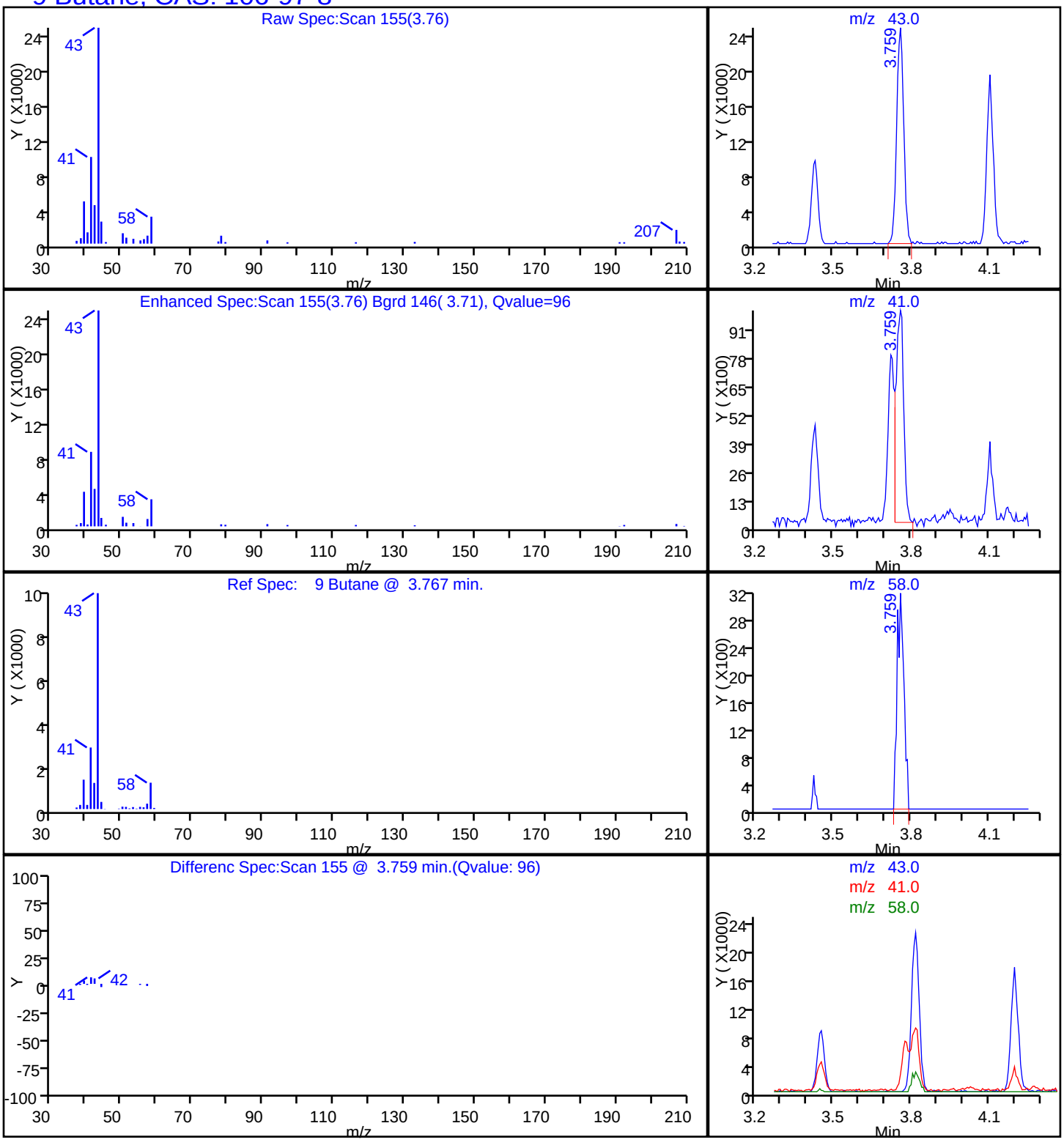
Report Date: 24-Feb-2014 11:38:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



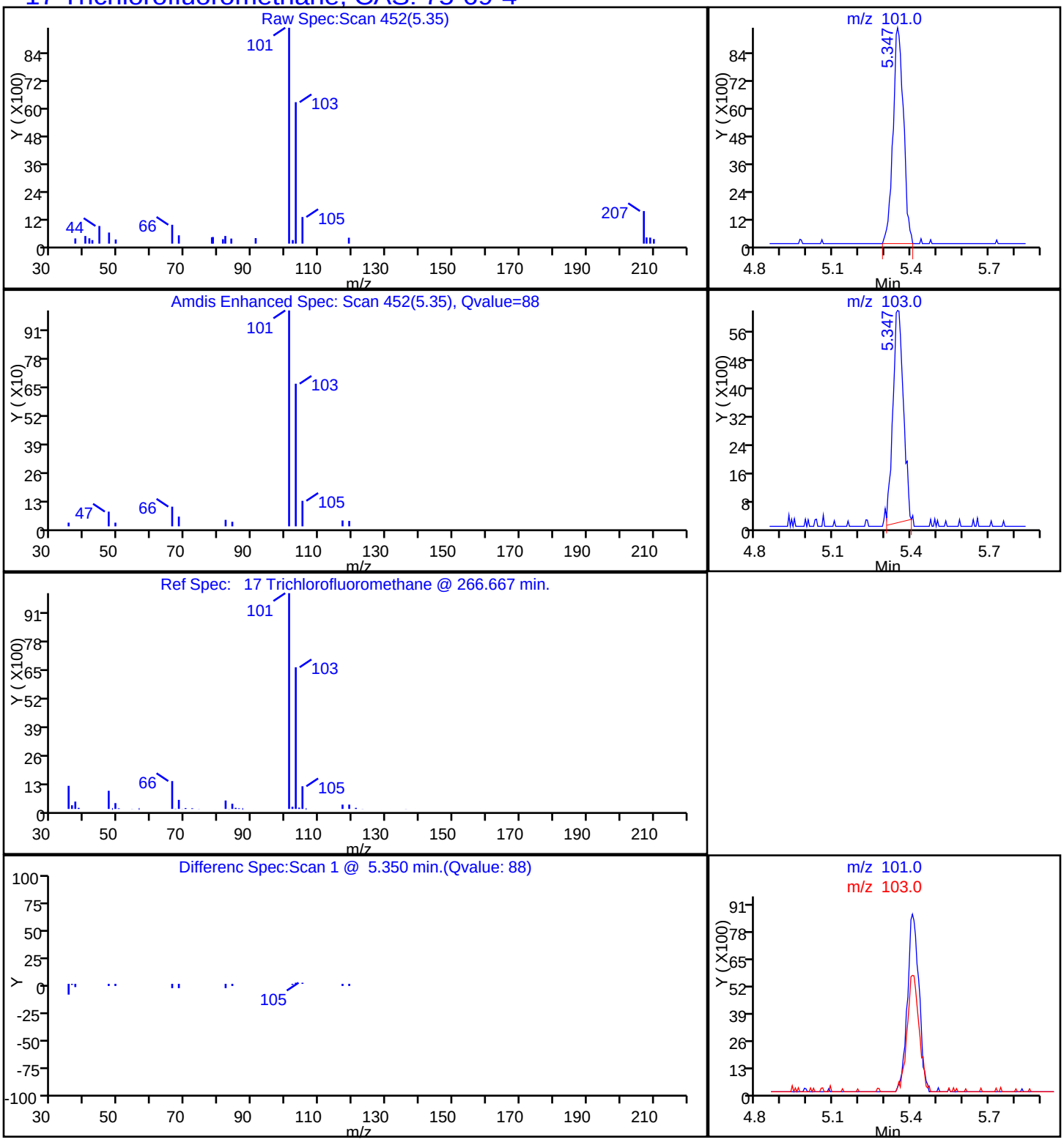
Report Date: 24-Feb-2014 11:38:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

17 Trichlorofluoromethane, CAS: 75-69-4



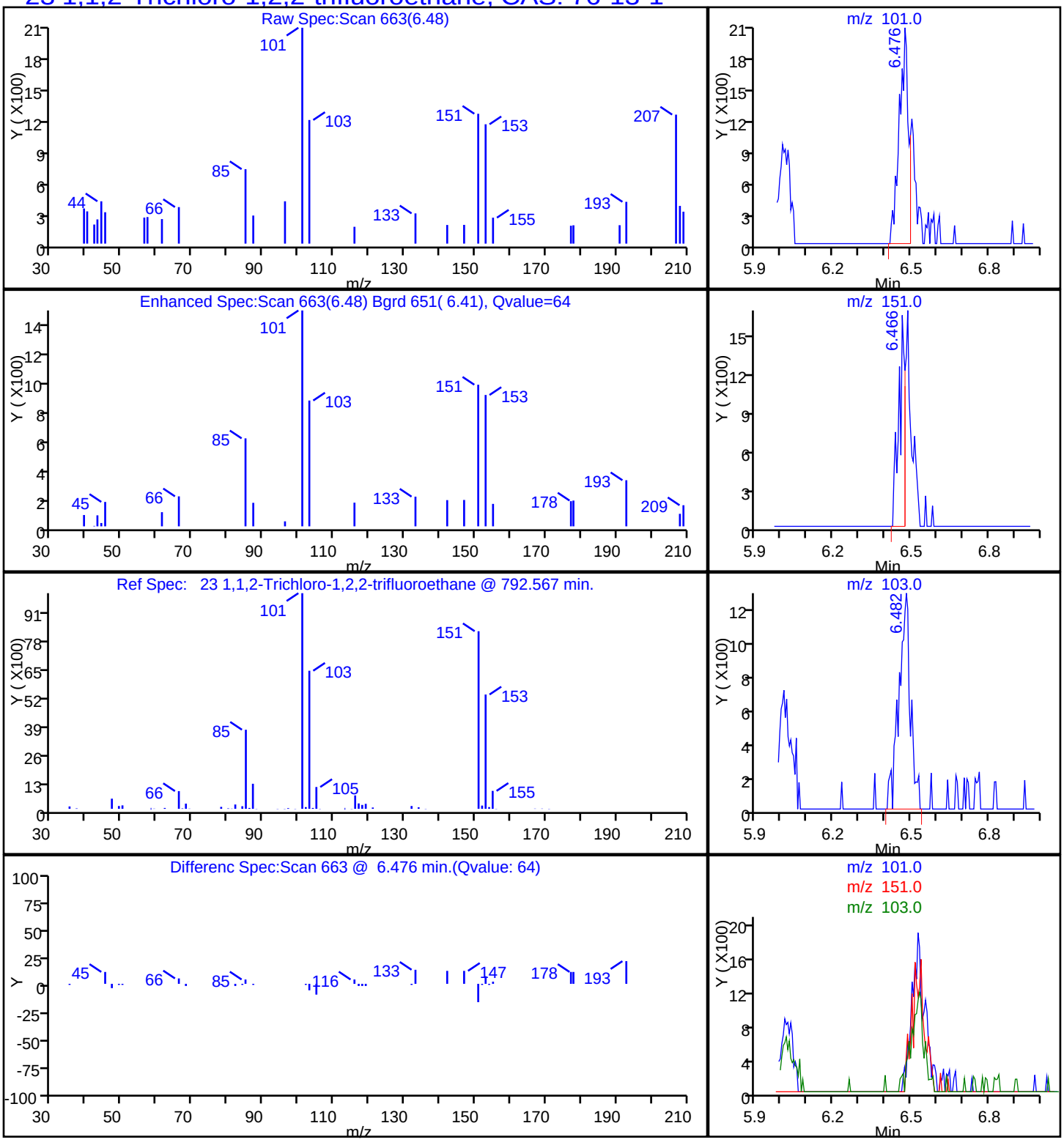
Report Date: 24-Feb-2014 11:38:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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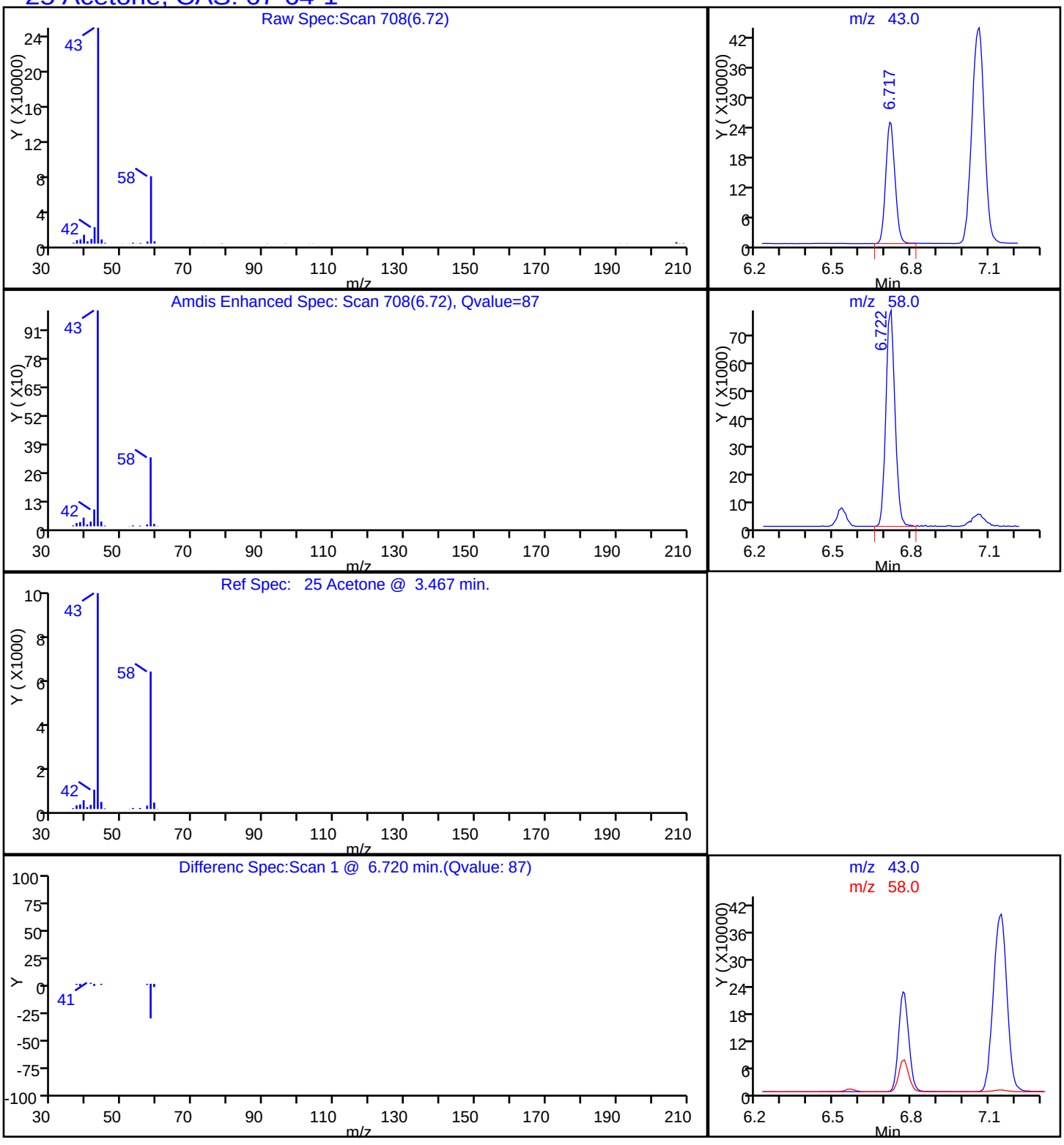
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



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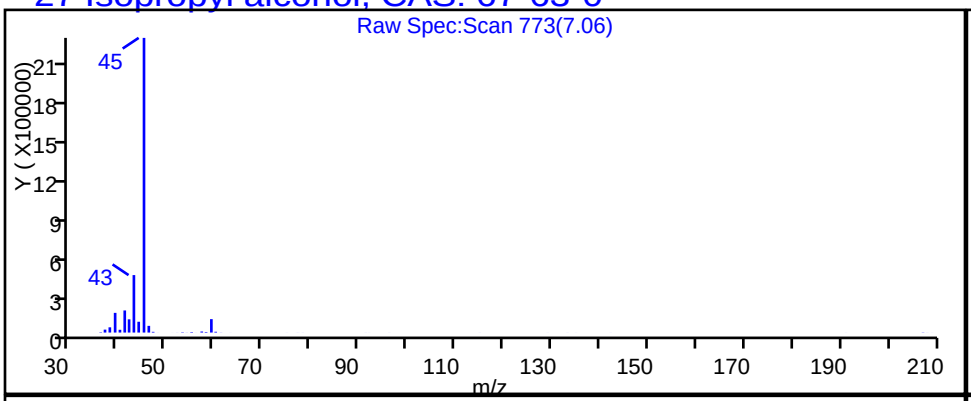
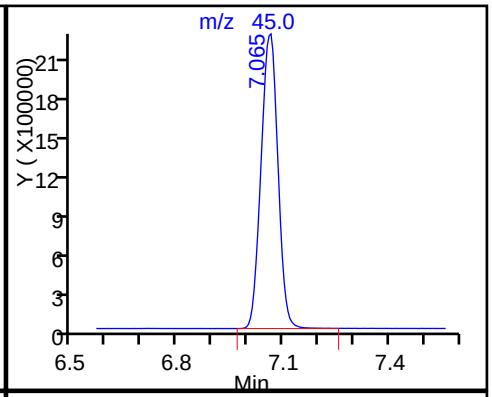
TestAmerica Burlington

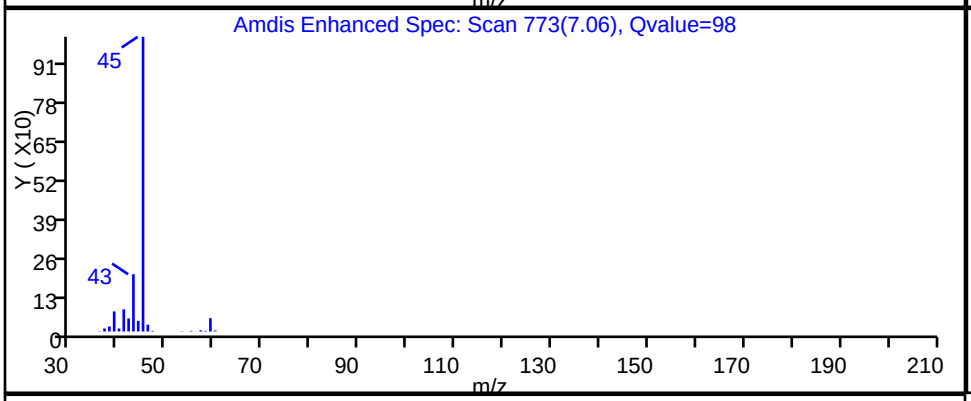
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

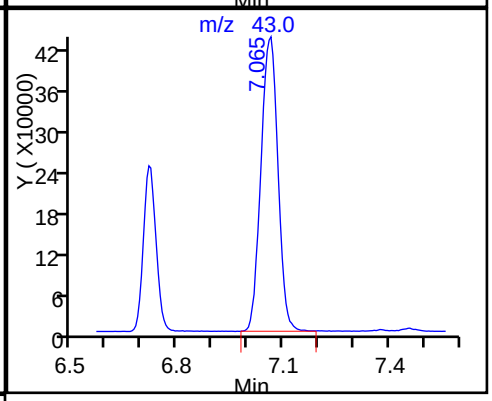
Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

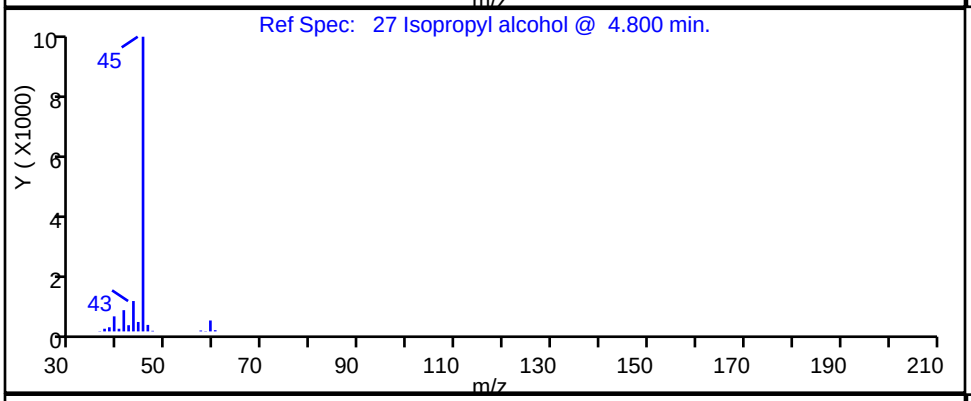
27 Isopropyl alcohol, CAS: 67-63-0

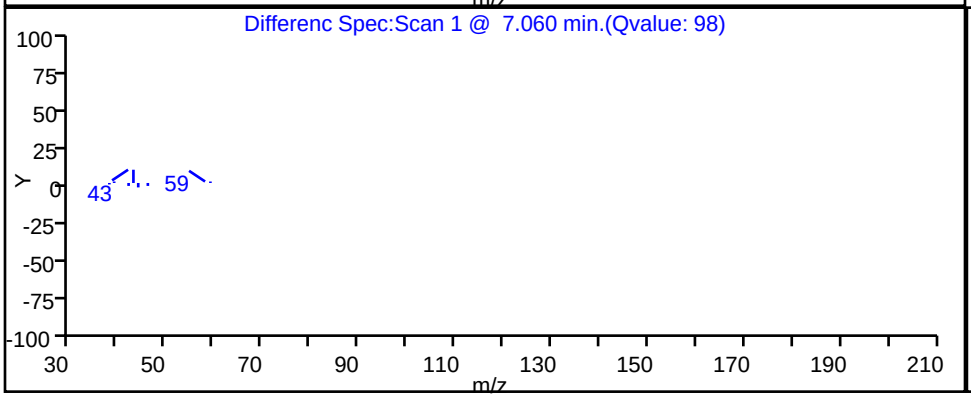


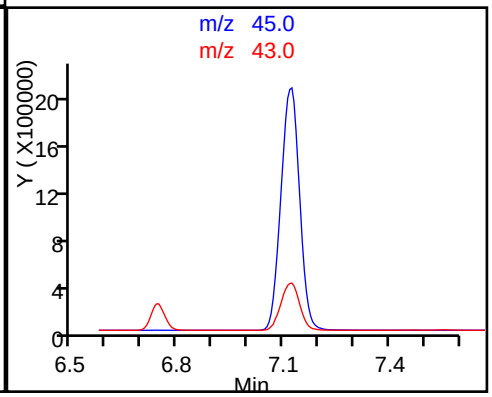












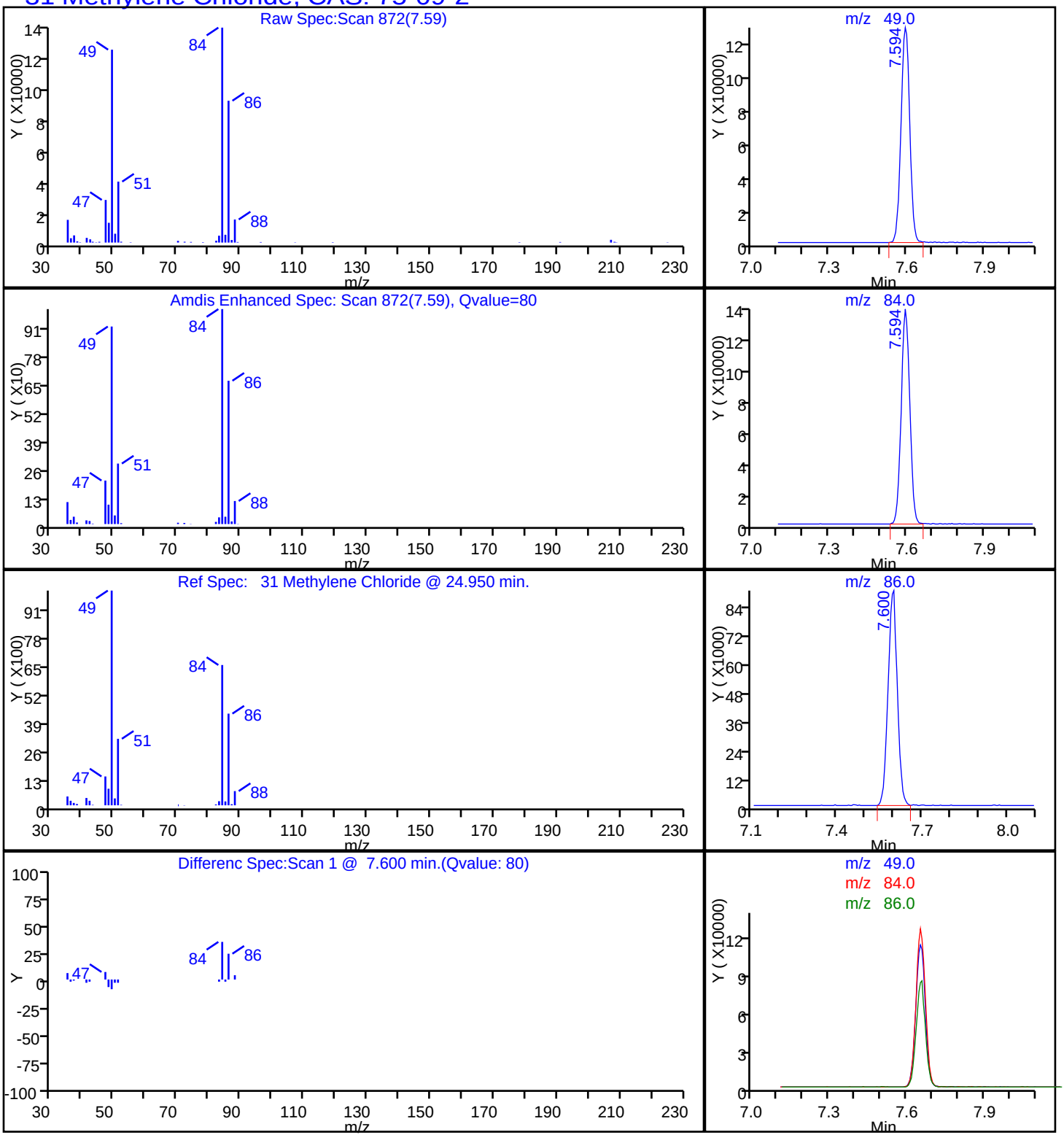
Report Date: 24-Feb-2014 11:38:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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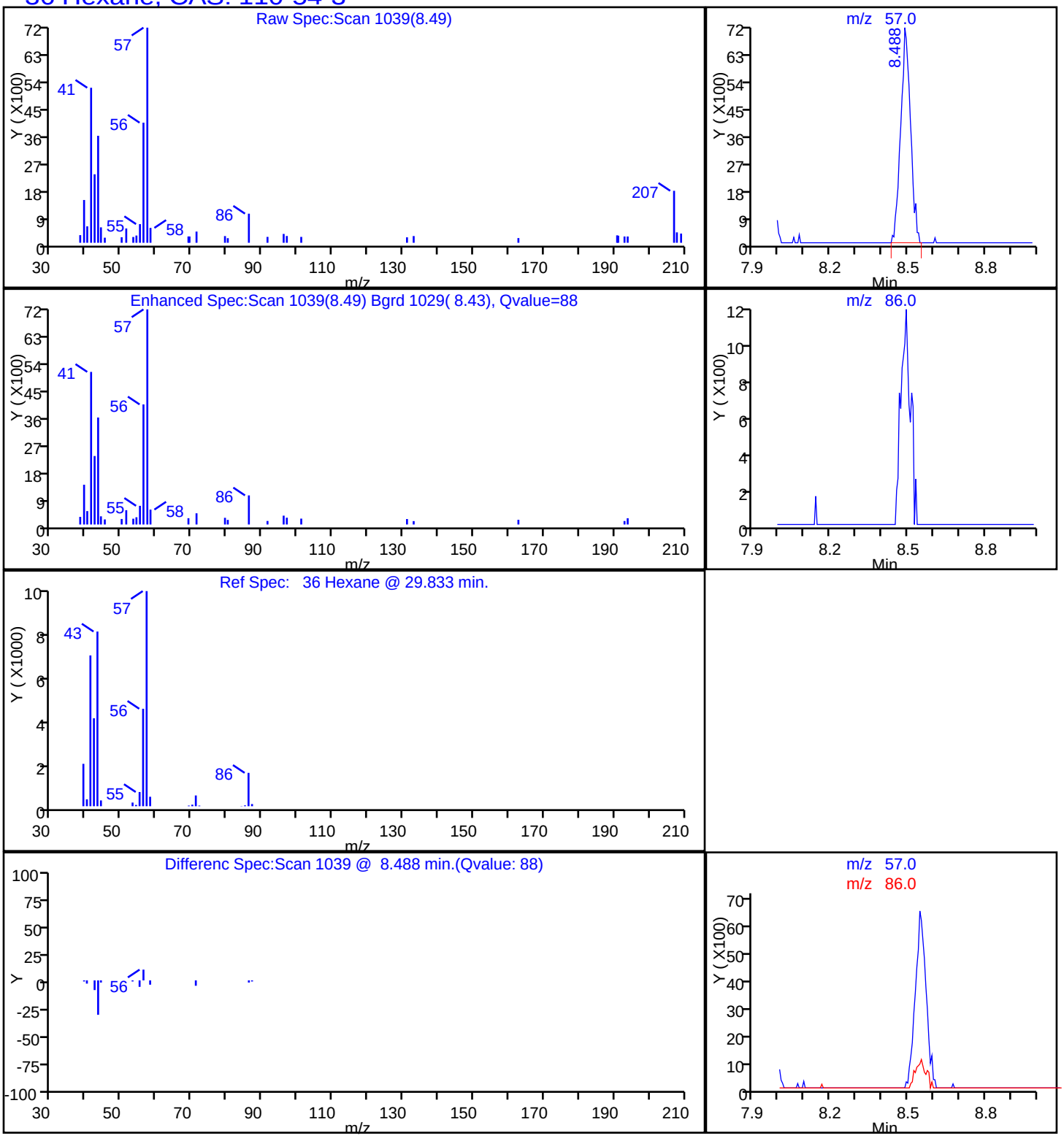
Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



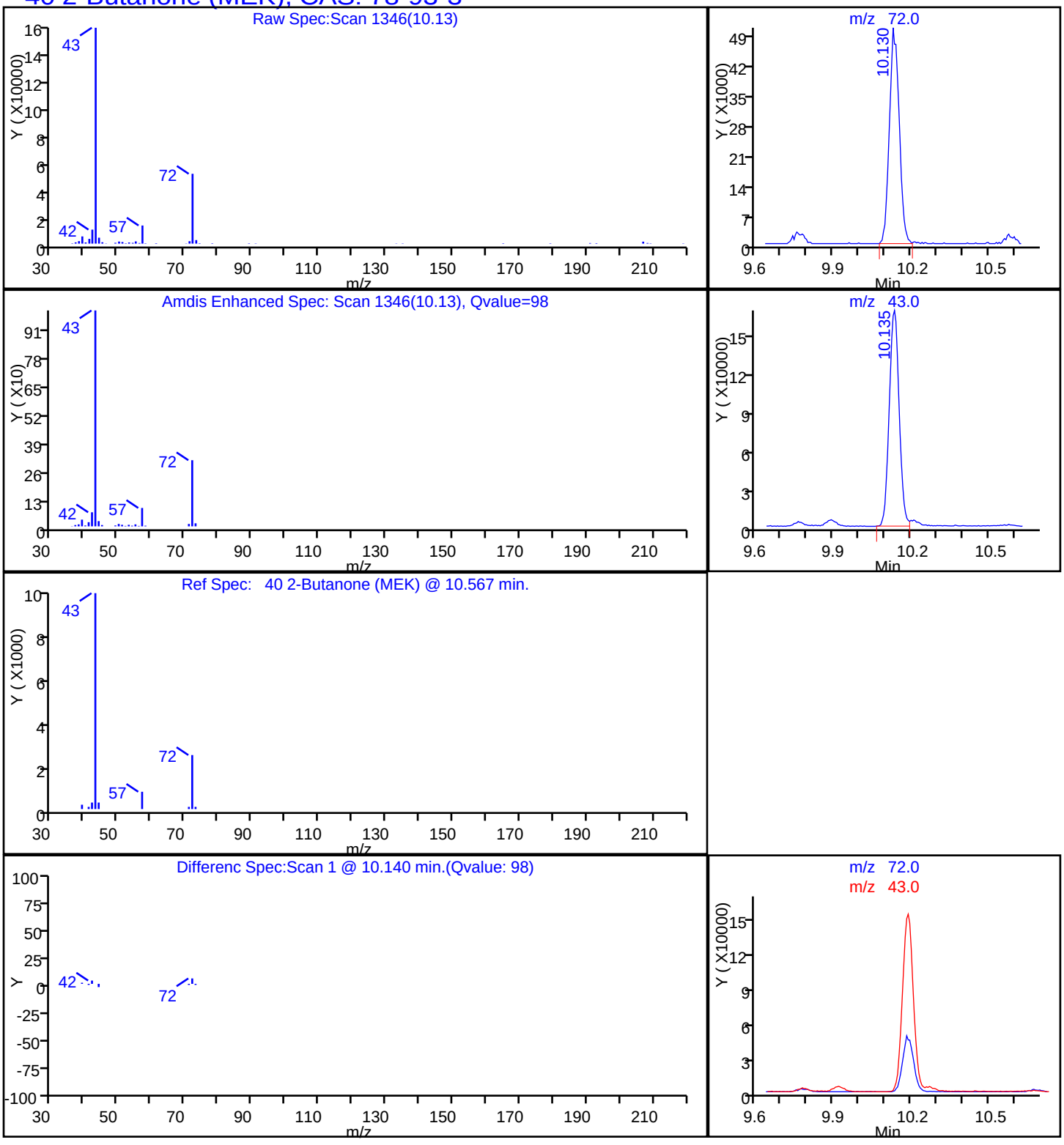
Report Date: 24-Feb-2014 11:38:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3



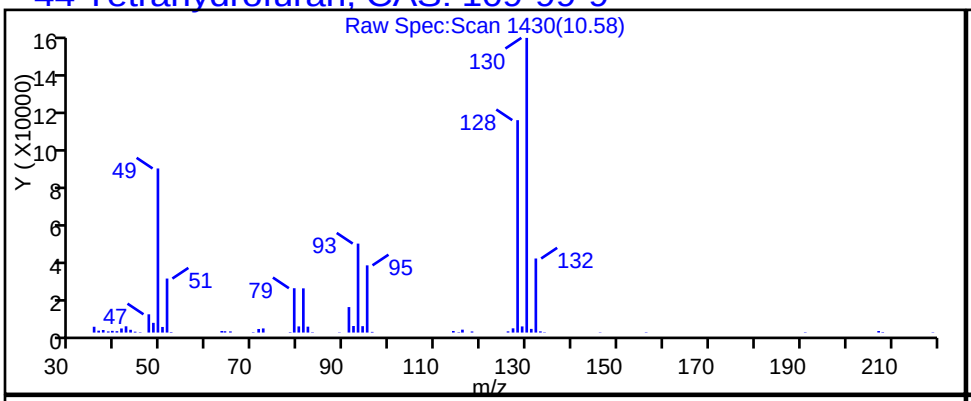
Report Date: 24-Feb-2014 11:38:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

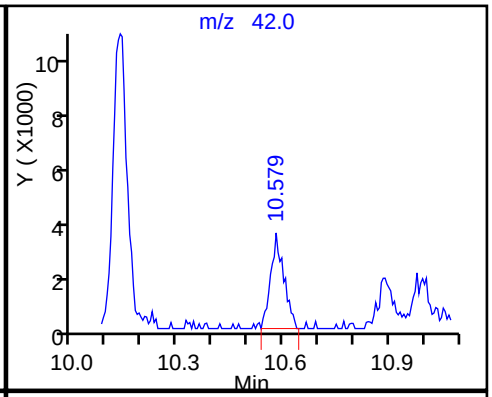
TestAmerica Burlington

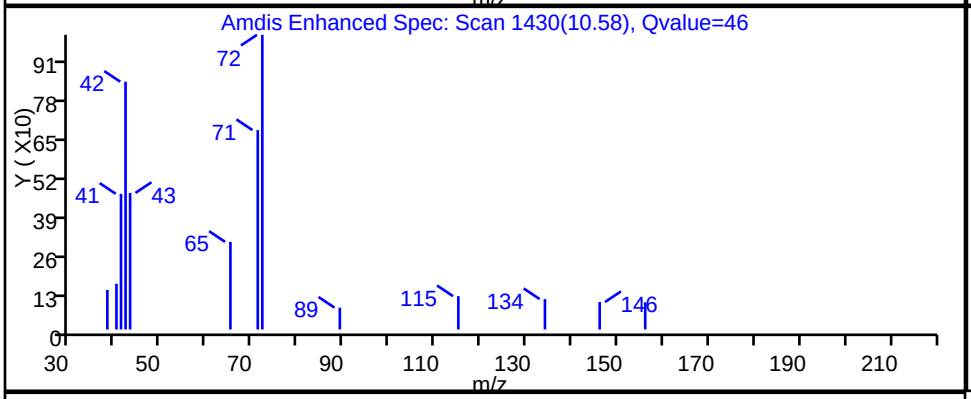
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

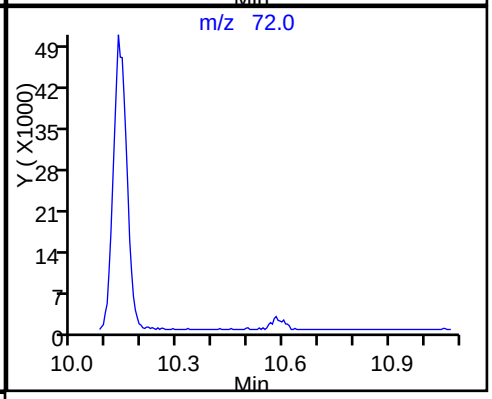
Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

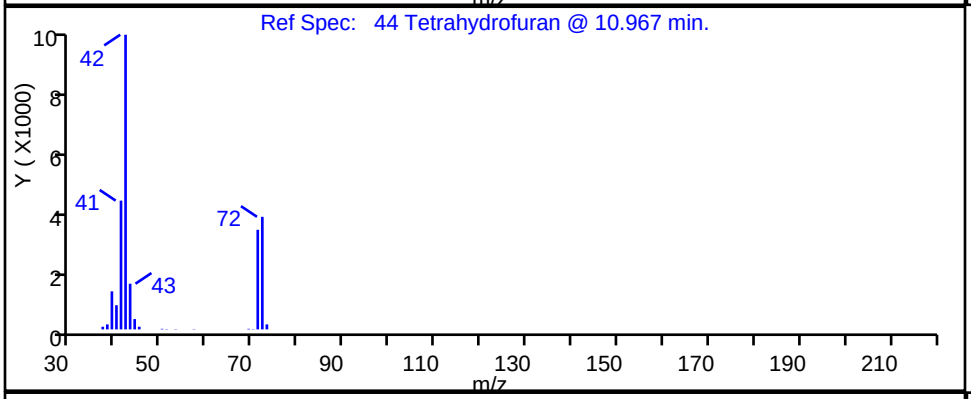
44 Tetrahydrofuran, CAS: 109-99-9

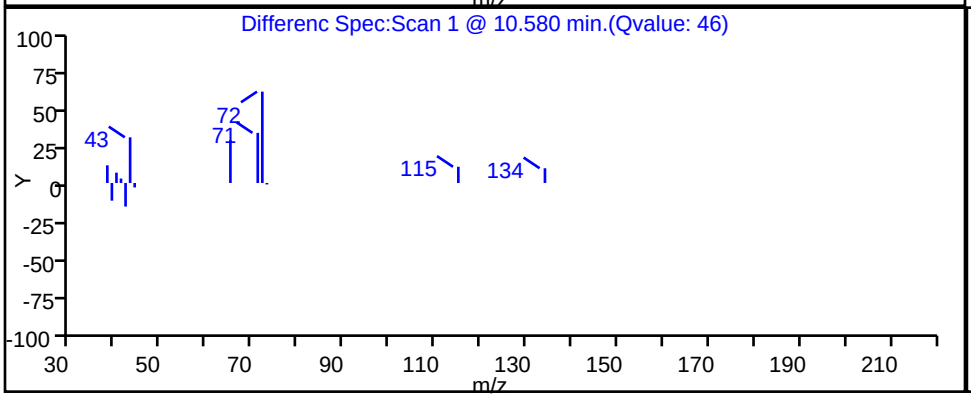


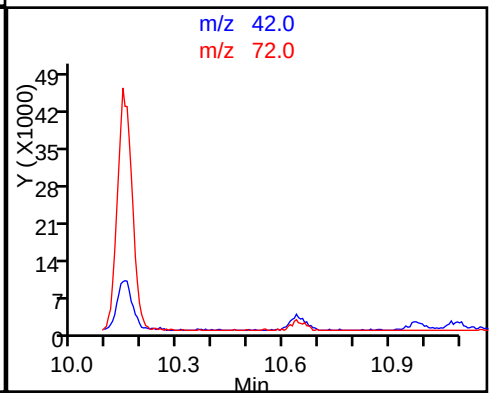












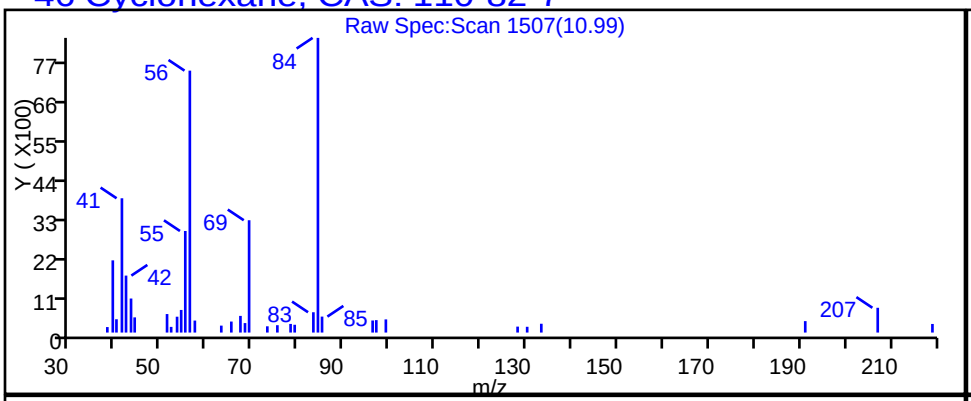
Report Date: 24-Feb-2014 11:38:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

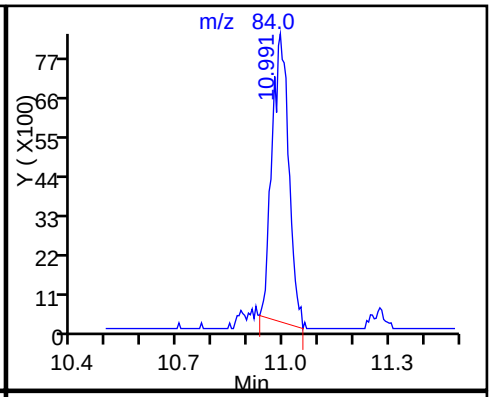
TestAmerica Burlington

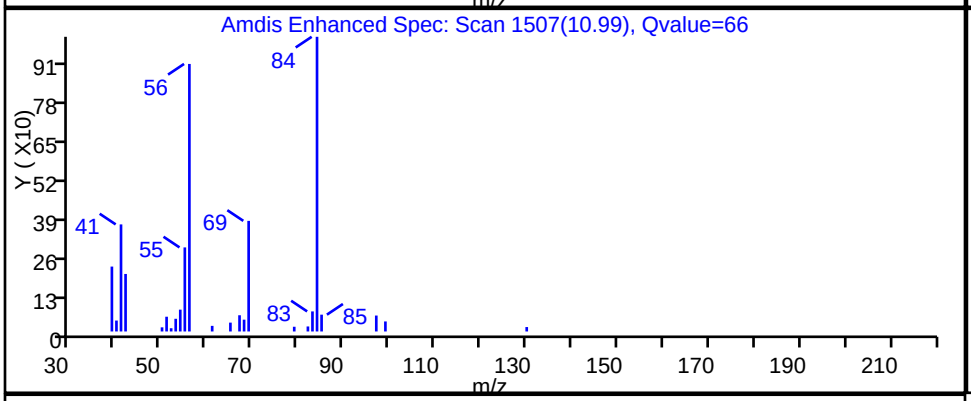
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

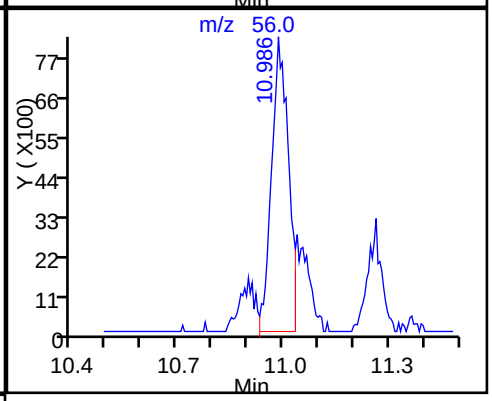
Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

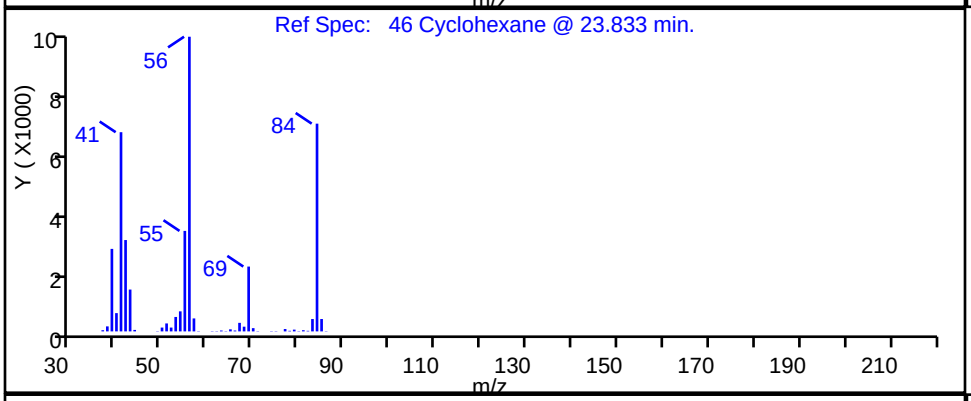
46 Cyclohexane, CAS: 110-82-7

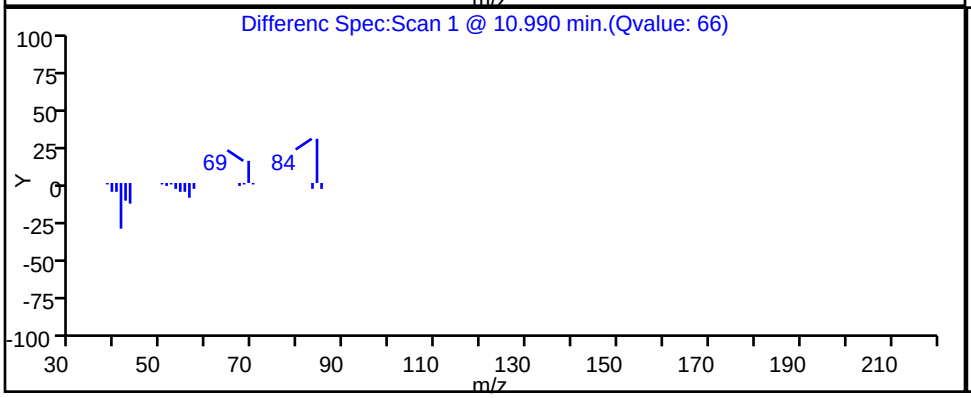


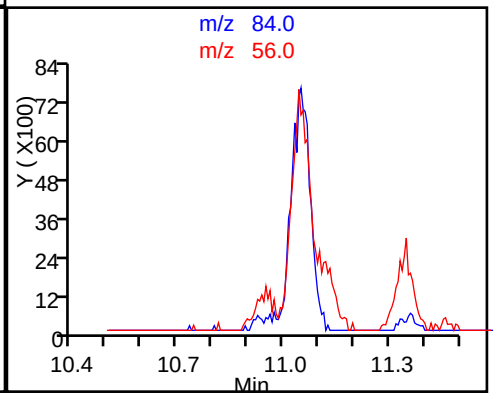












Report Date: 24-Feb-2014 11:38:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

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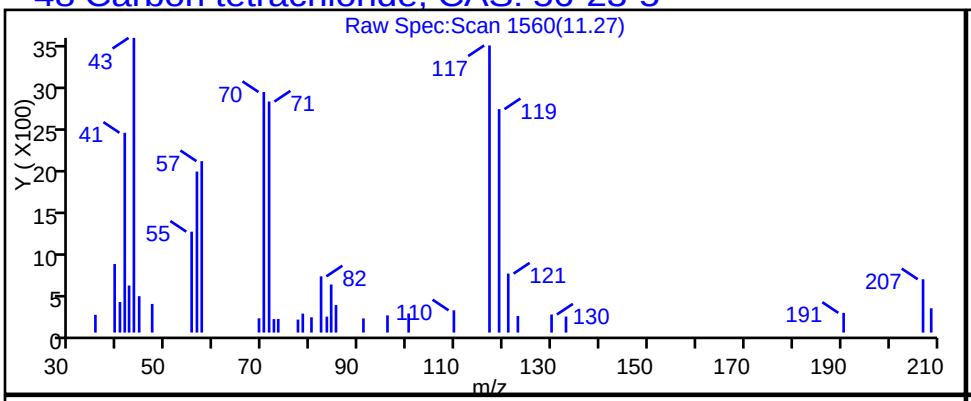
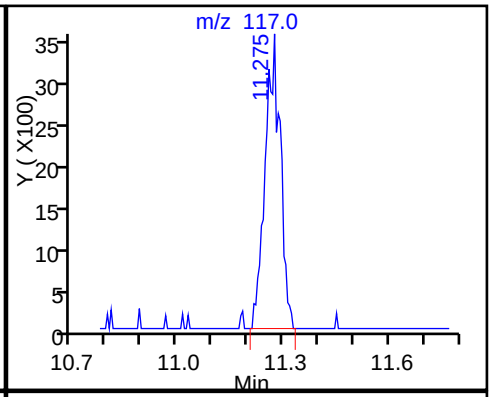
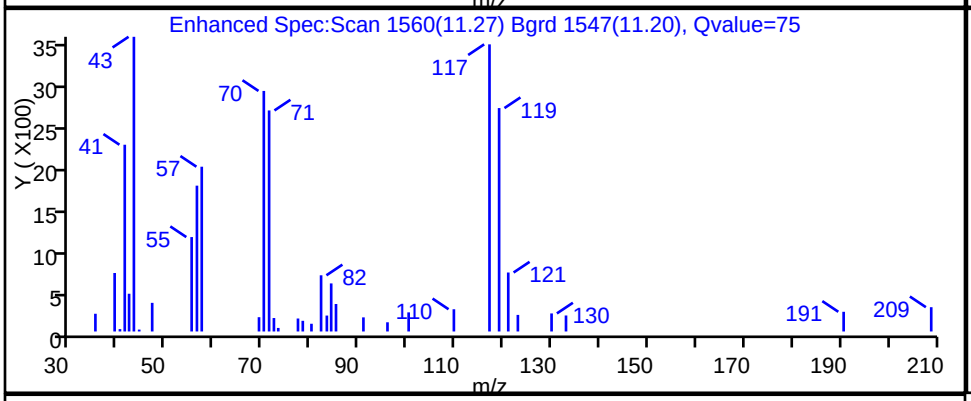
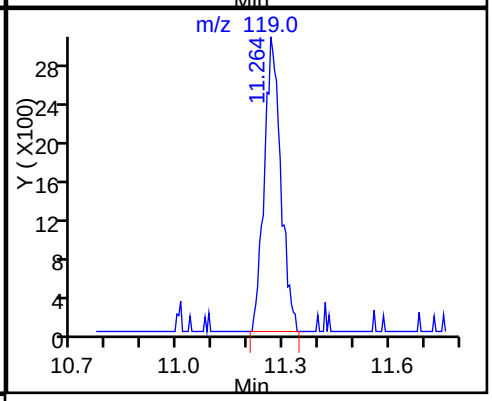
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

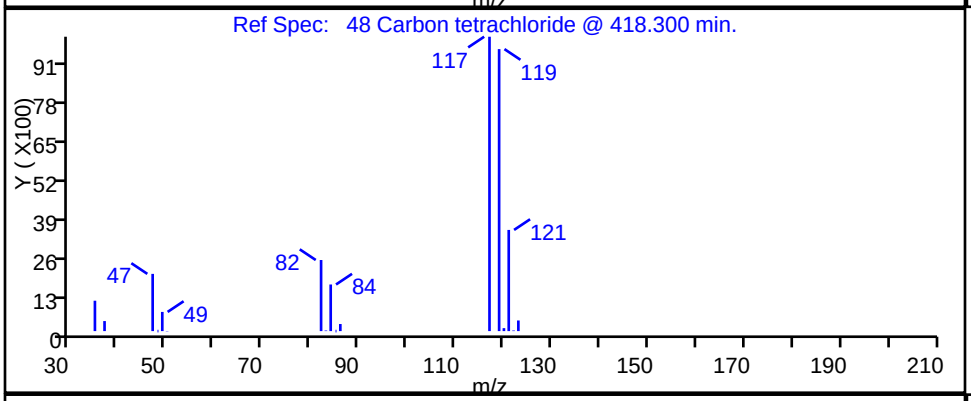
48 Carbon tetrachloride, CAS: 56-23-5

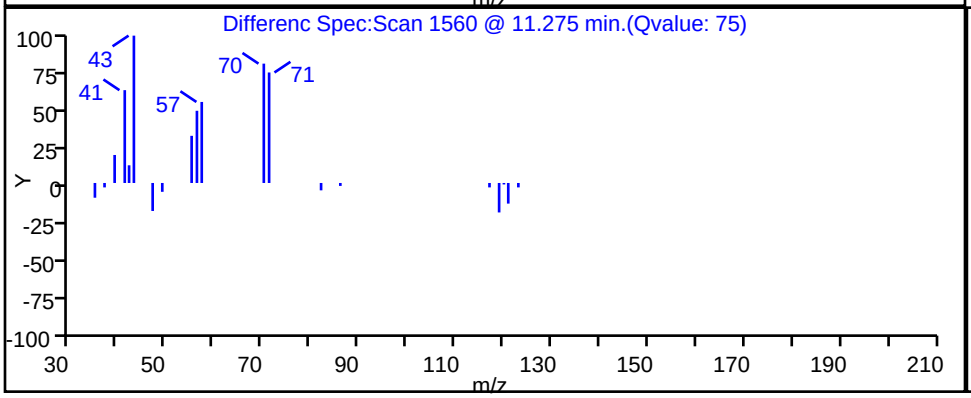


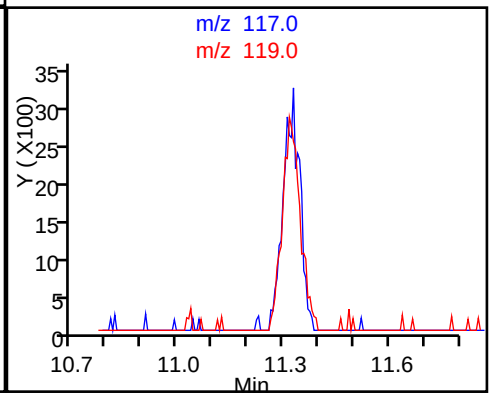












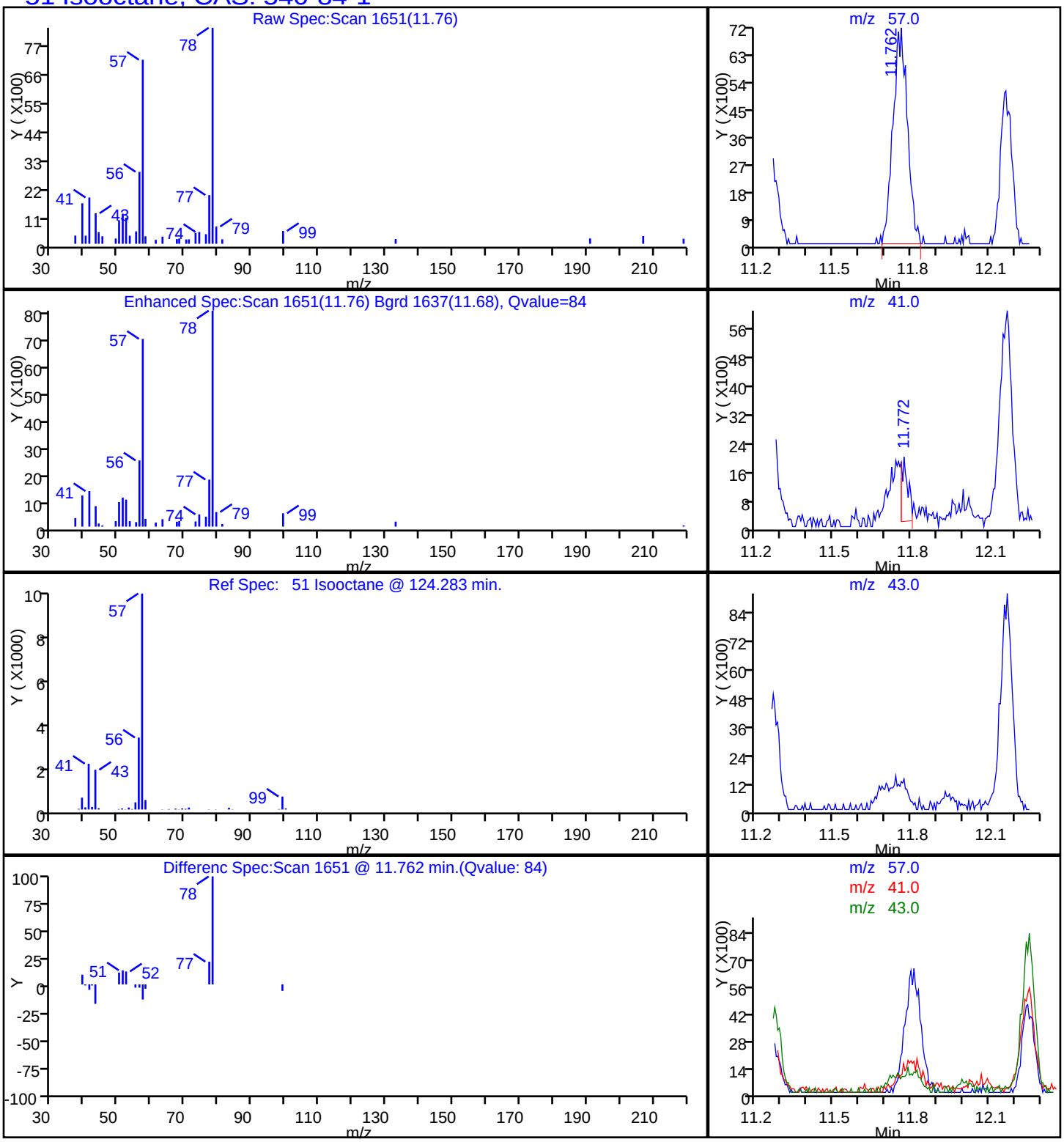
Report Date: 24-Feb-2014 11:38:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1



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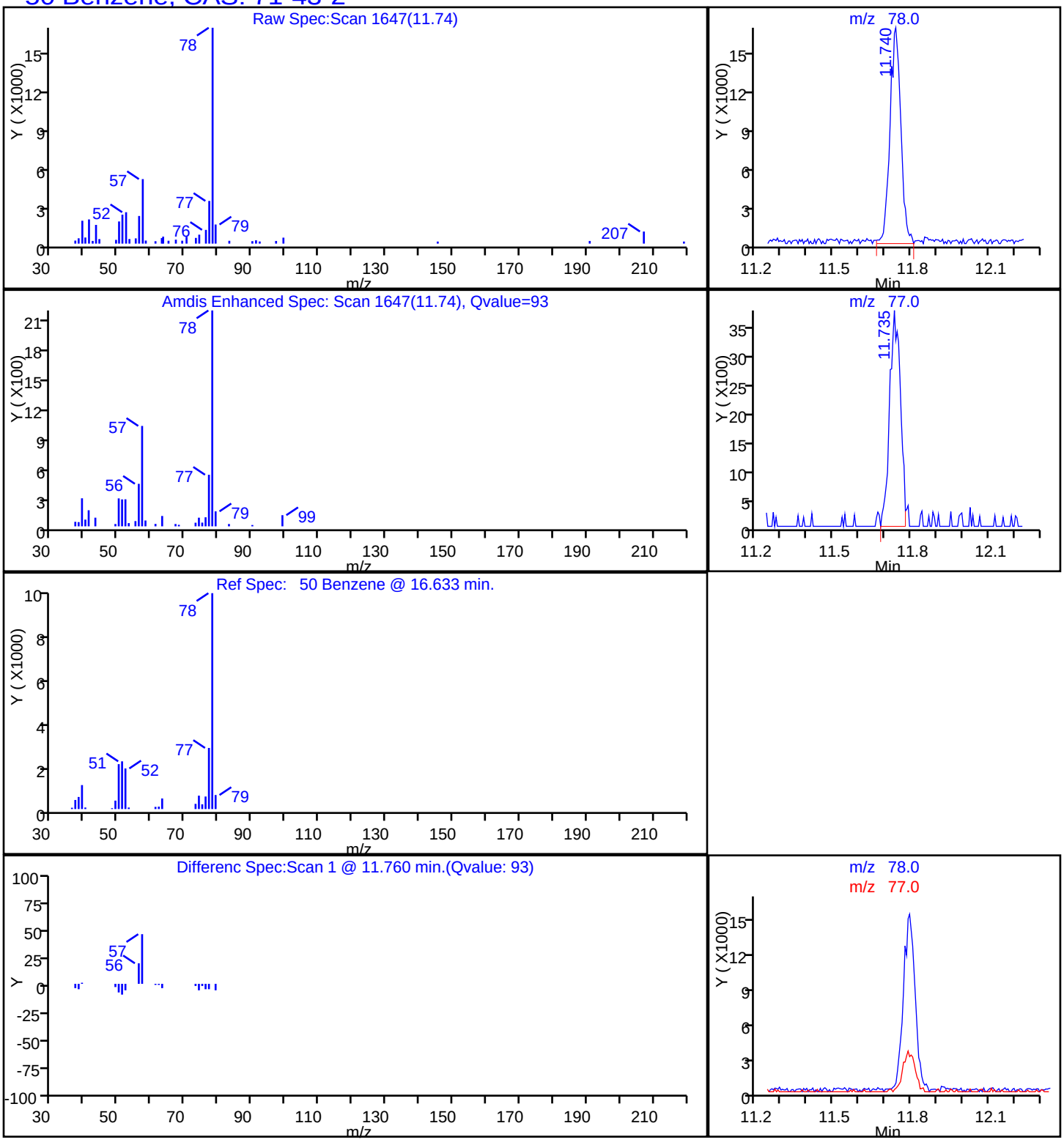
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



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TestAmerica Burlington

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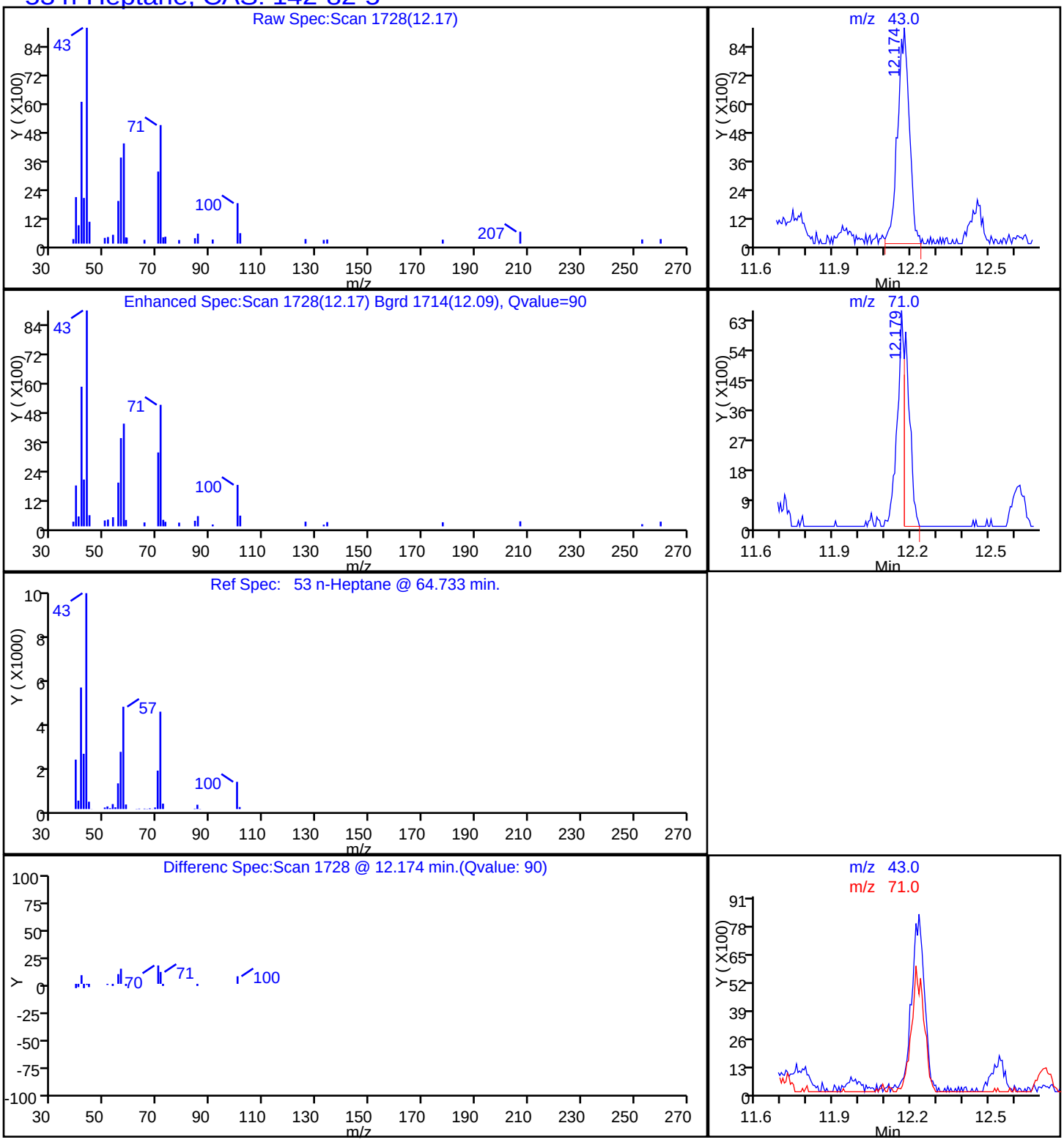
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5



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TestAmerica Burlington

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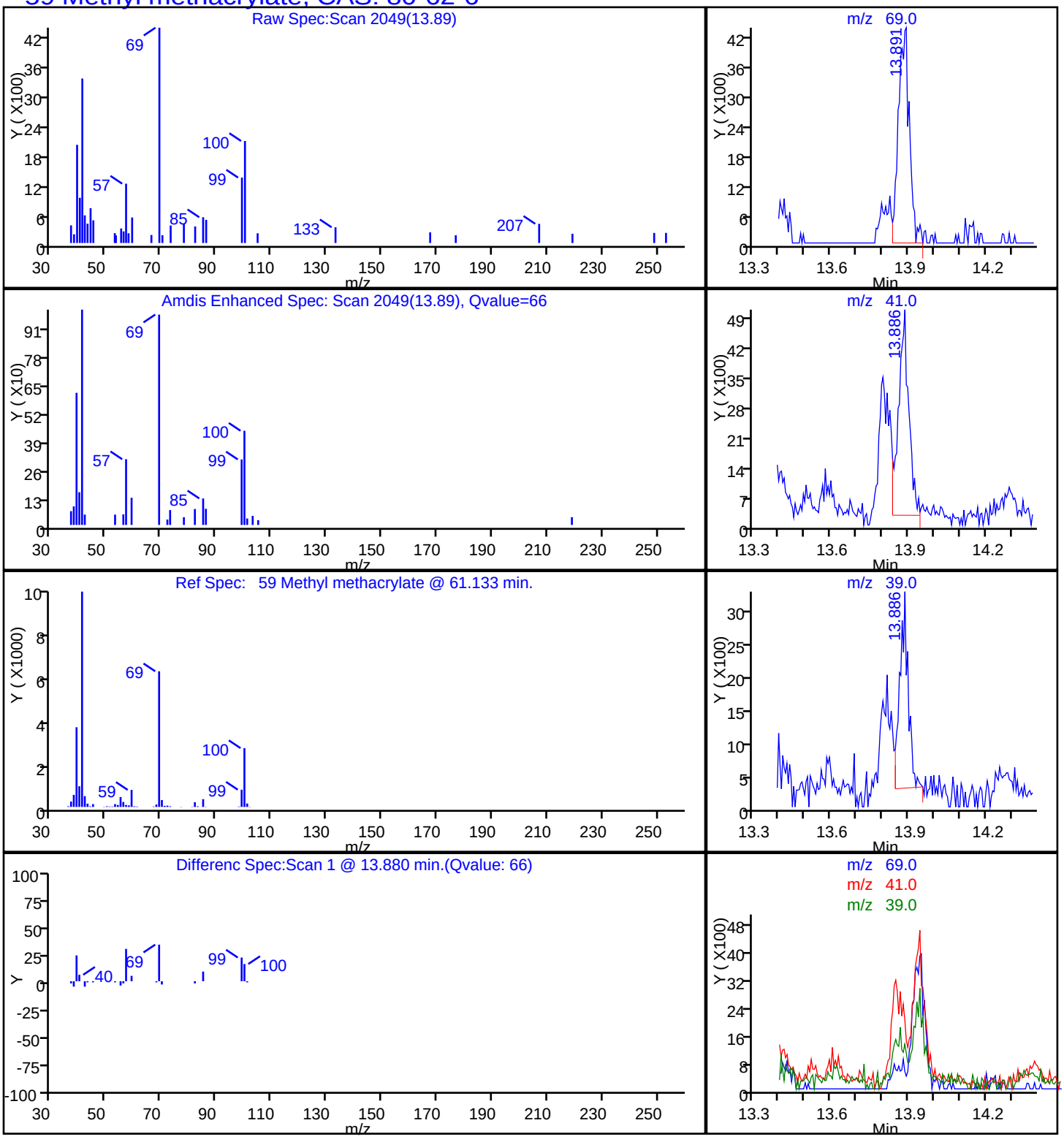
Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

59 Methyl methacrylate, CAS: 80-62-6



Report Date: 24-Feb-2014 11:38:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
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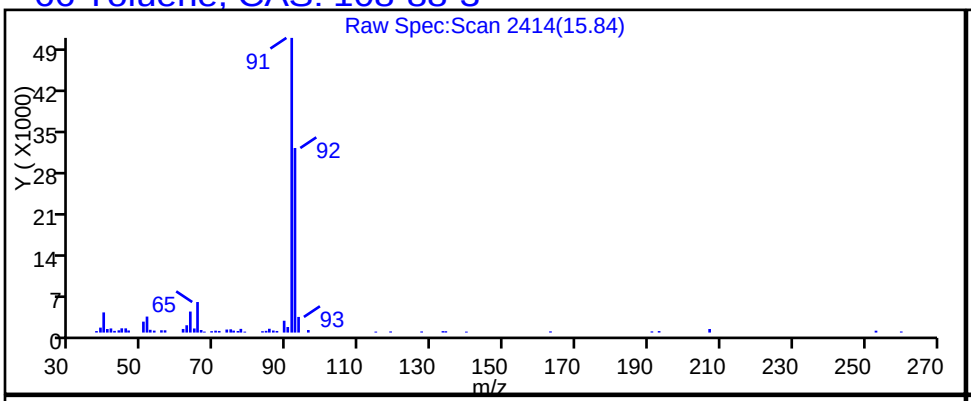
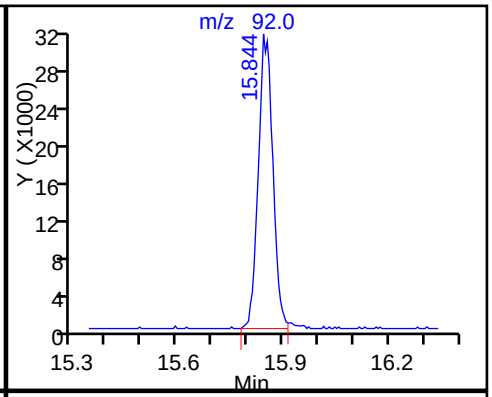
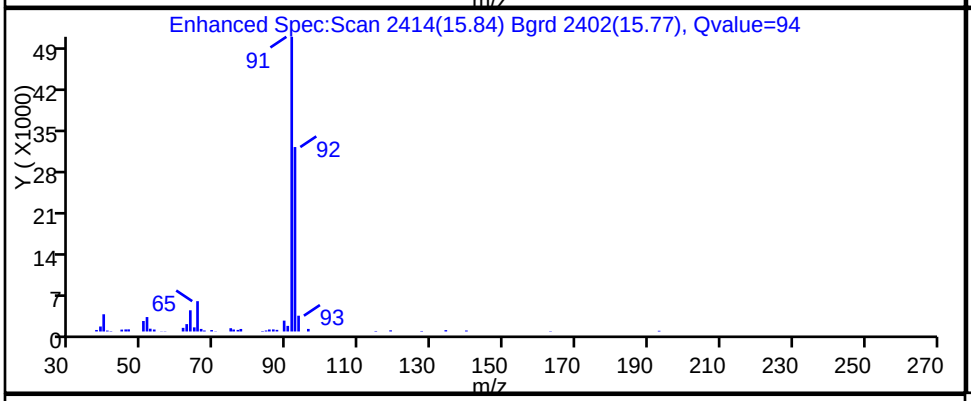
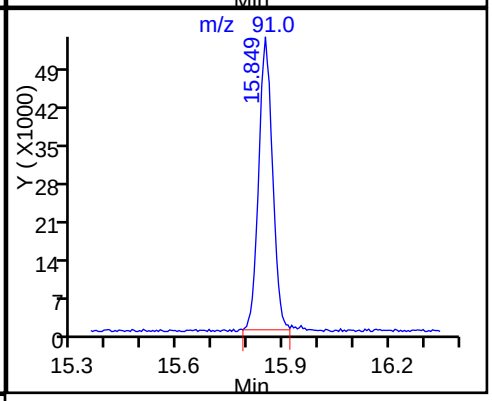
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

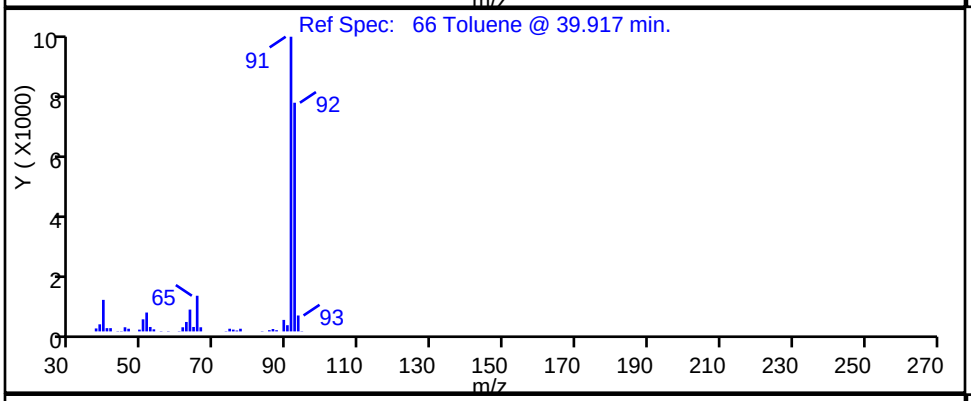
66 Toluene, CAS: 108-88-3

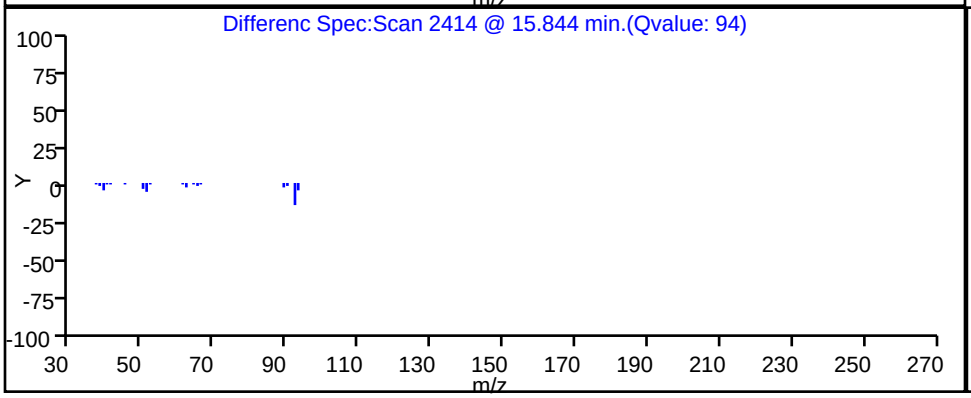


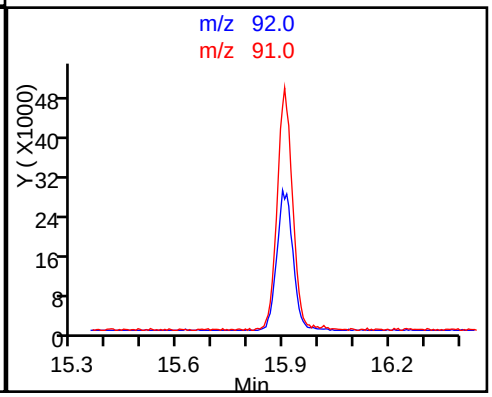












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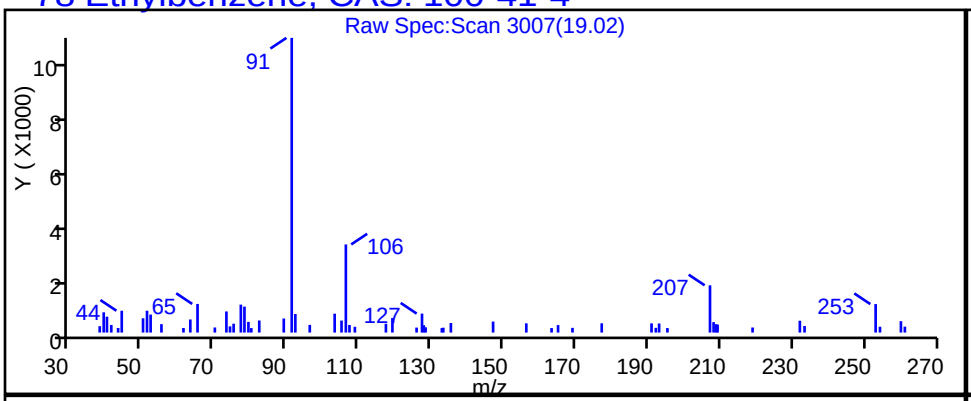
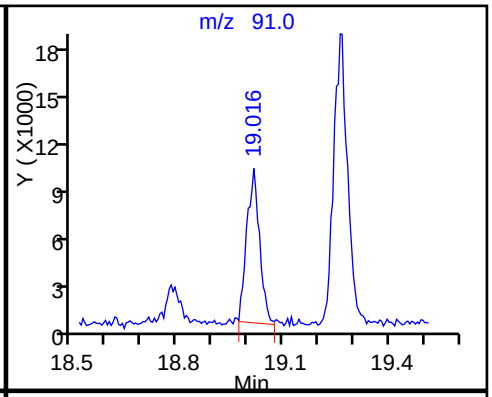
TestAmerica Burlington

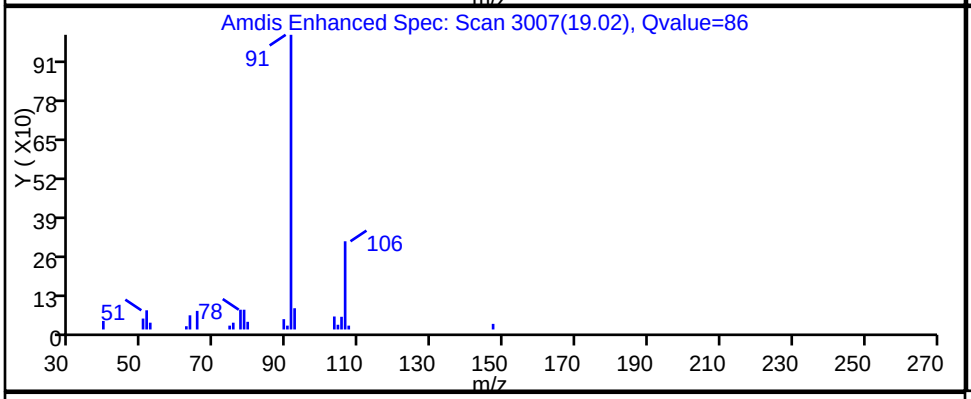
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

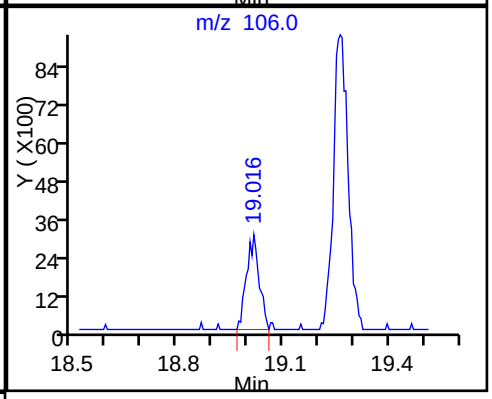
Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

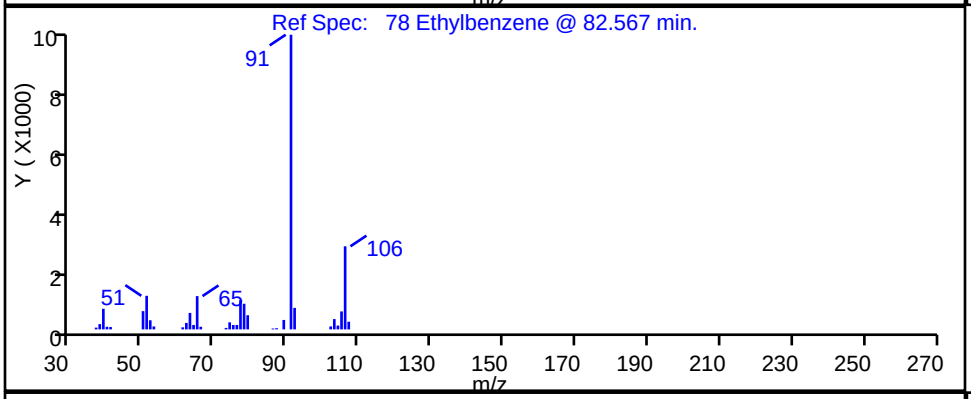
78 Ethylbenzene, CAS: 100-41-4

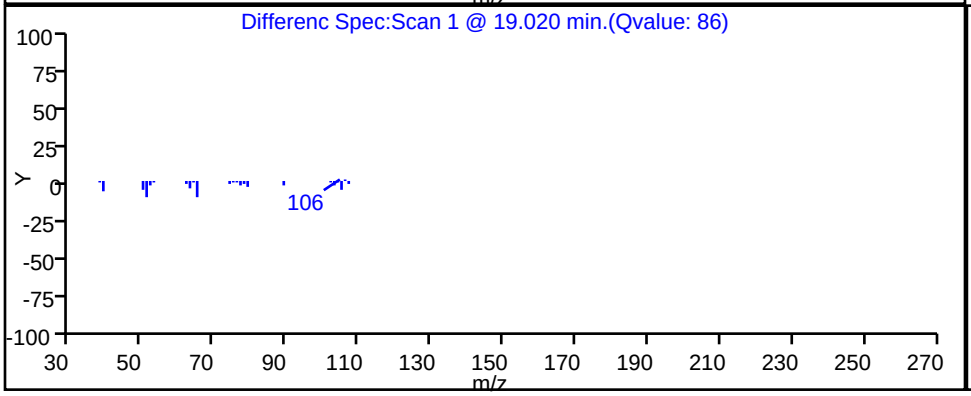


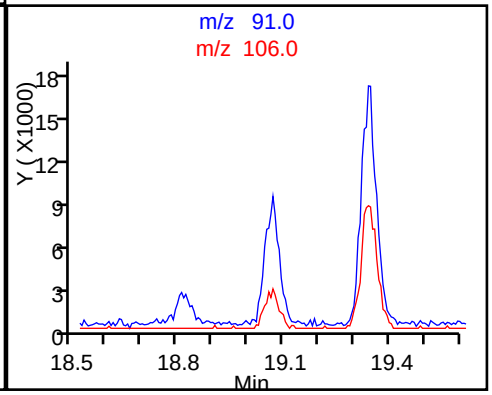












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TestAmerica Burlington

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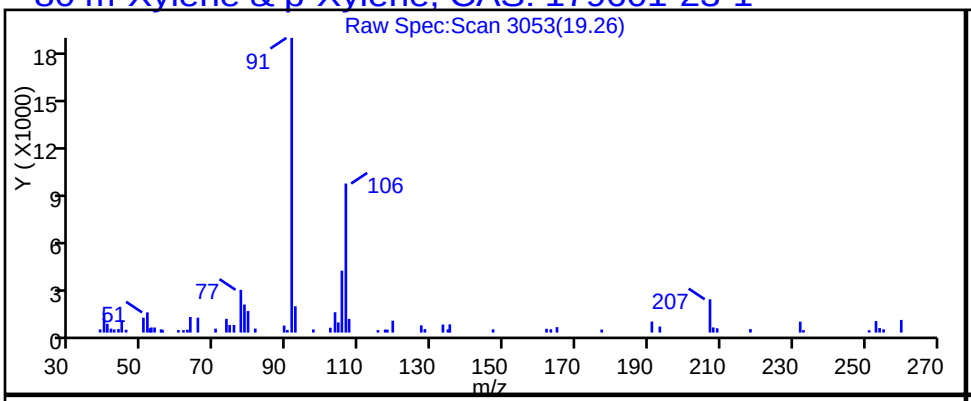
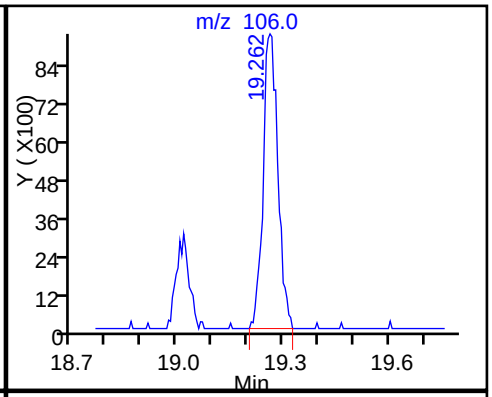
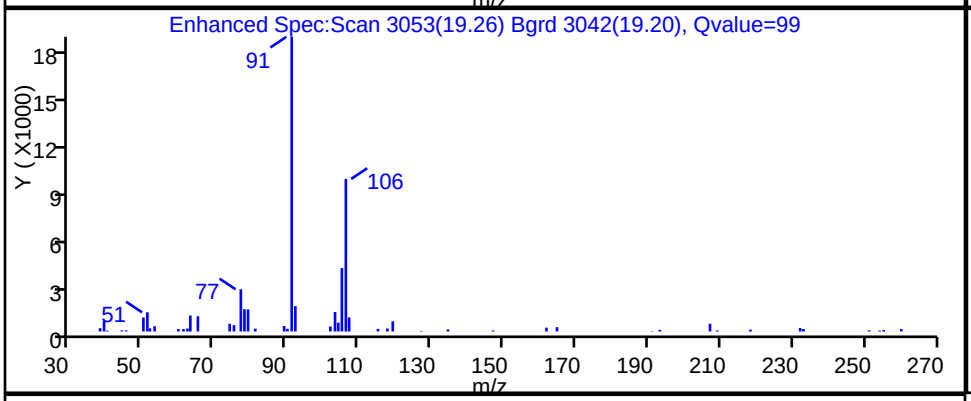
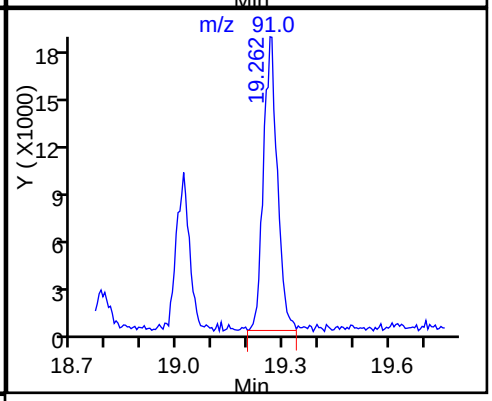
Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

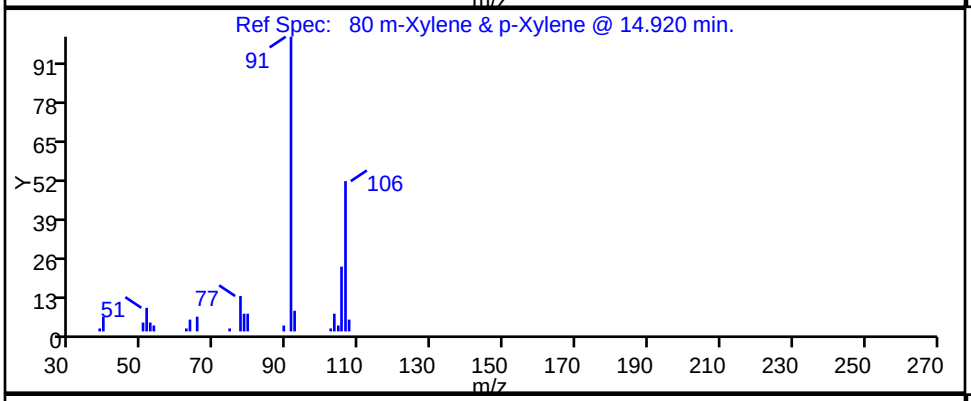
80 m-Xylene & p-Xylene, CAS: 179601-23-1

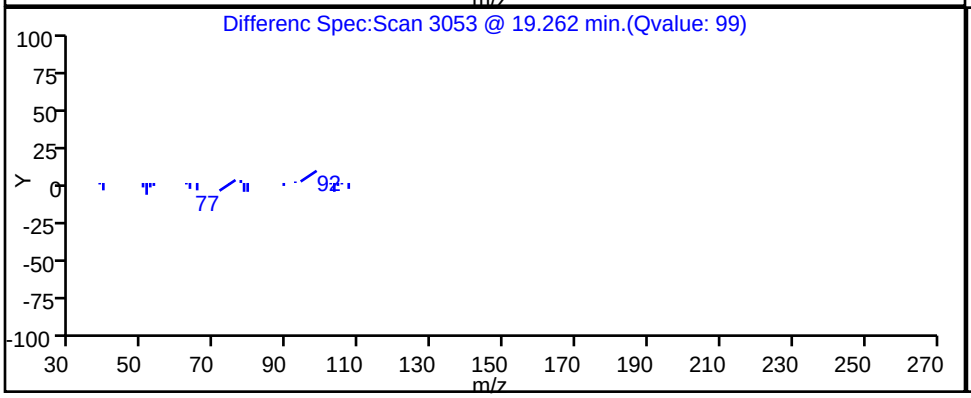


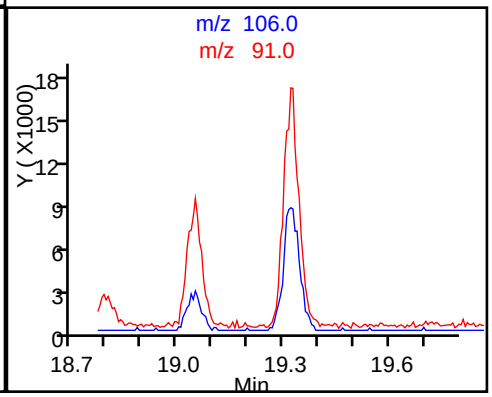












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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
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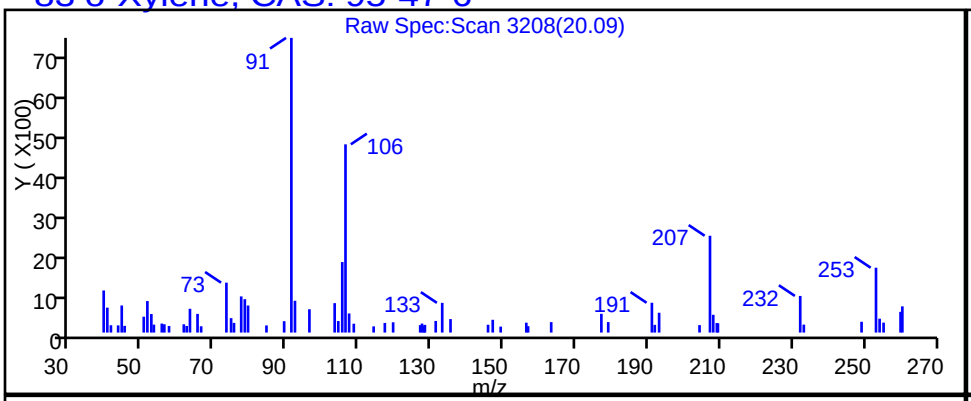
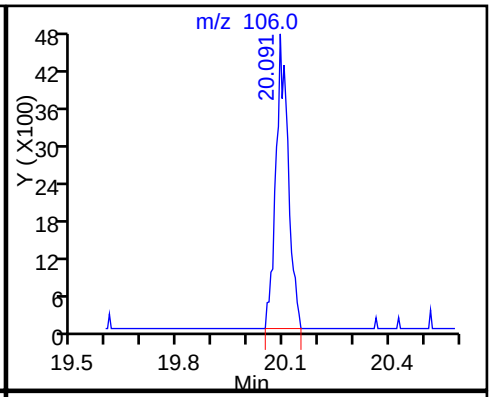
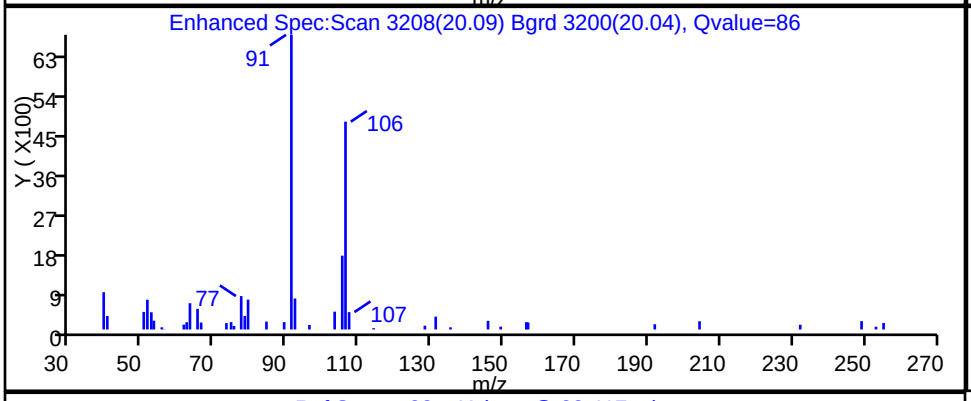
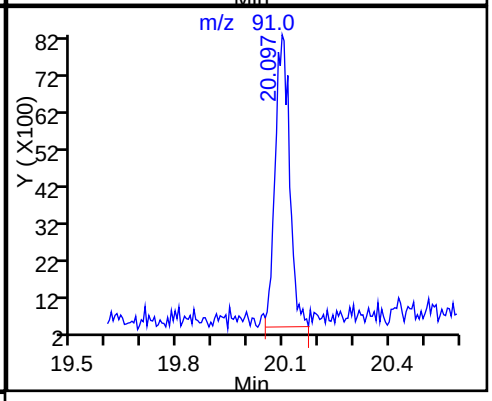
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

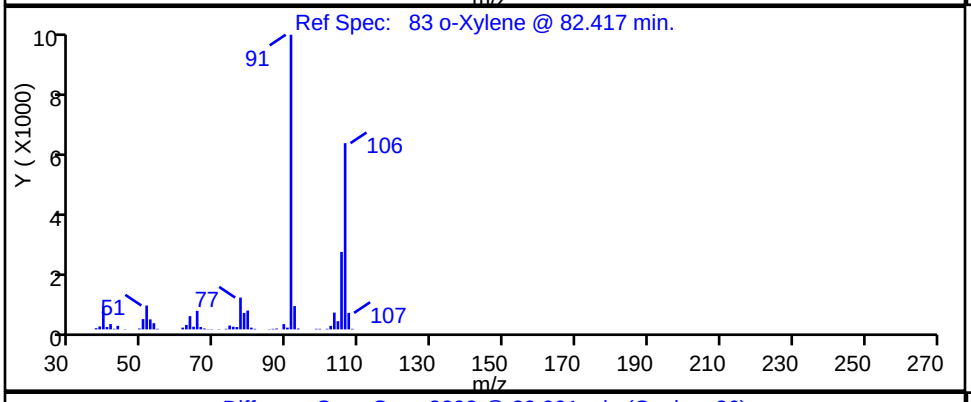
83 o-Xylene, CAS: 95-47-6

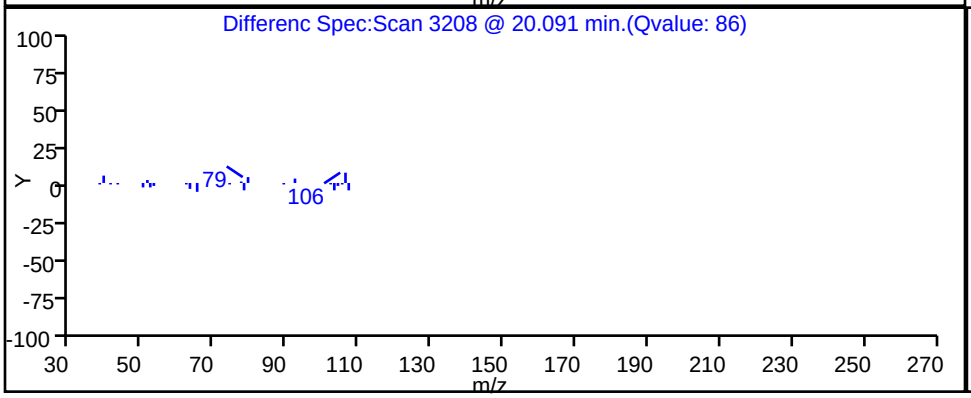


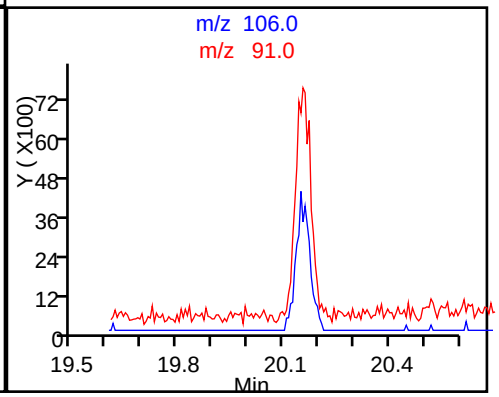












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TestAmerica Burlington

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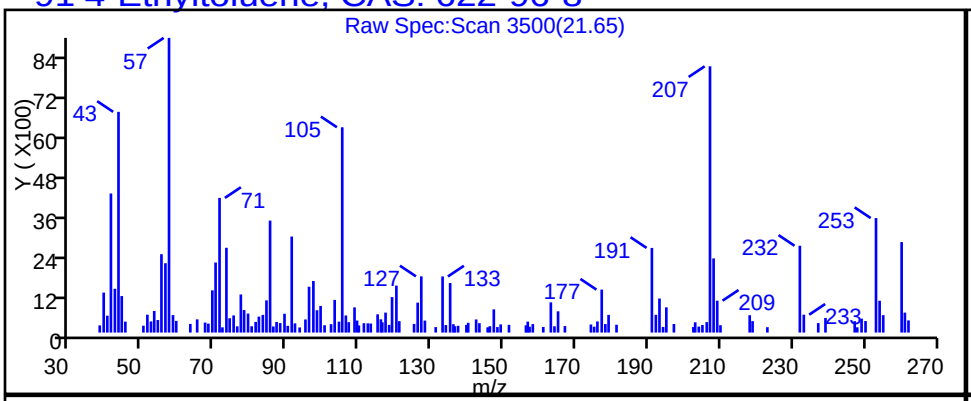
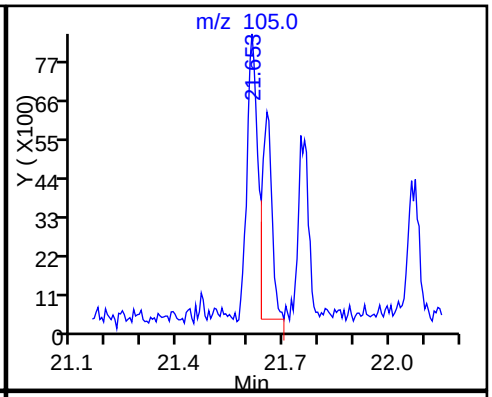
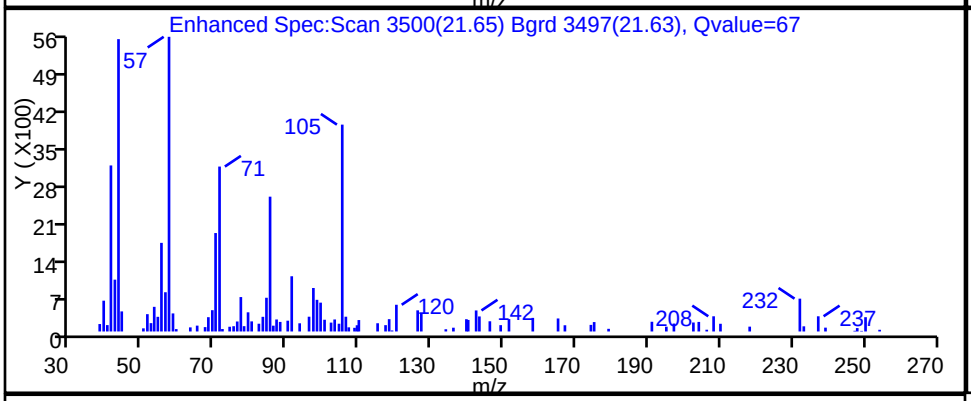
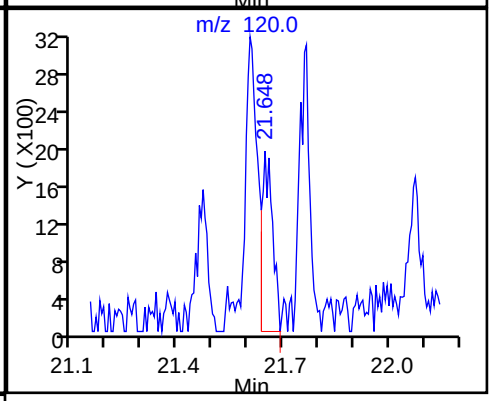
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

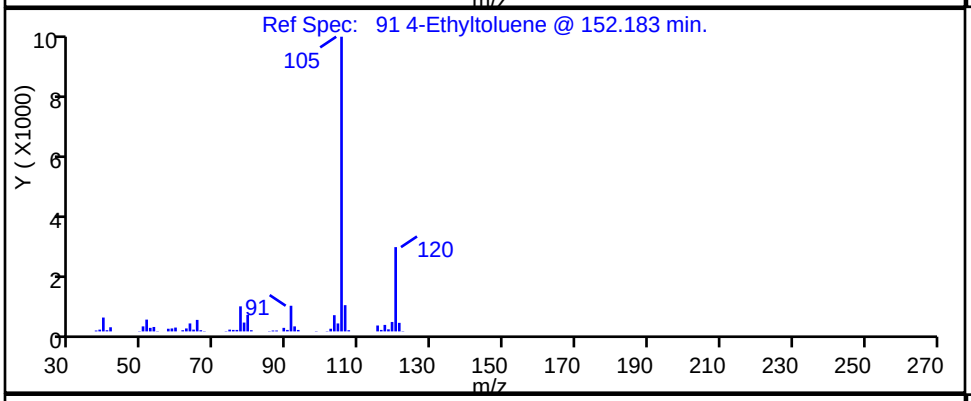
91 4-Ethyltoluene, CAS: 622-96-8

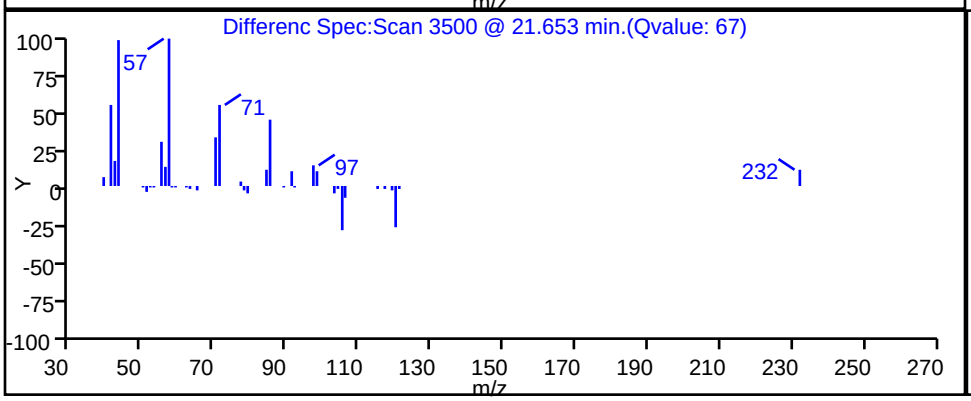


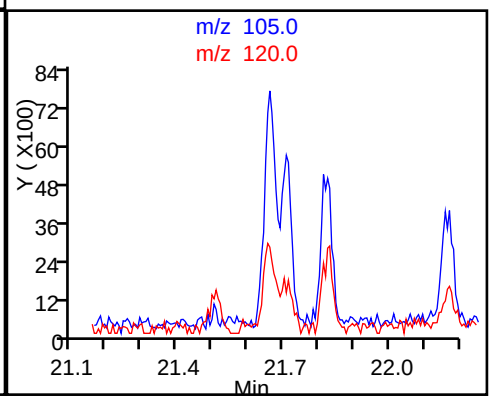












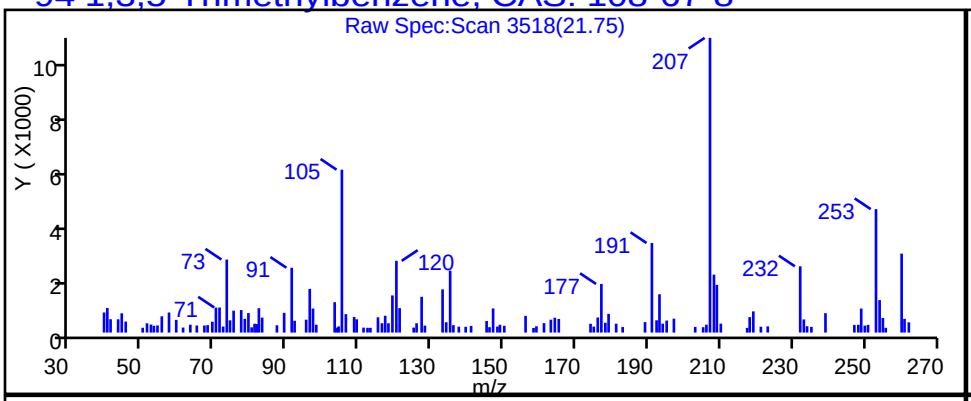
Report Date: 24-Feb-2014 11:38:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

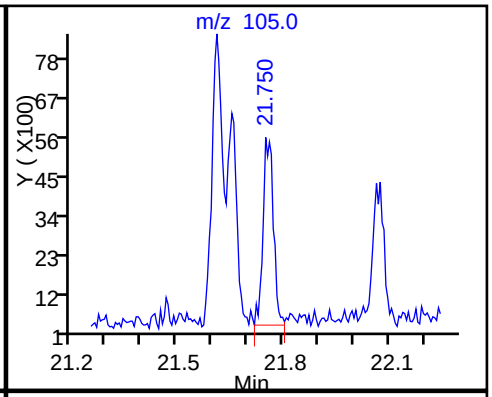
TestAmerica Burlington

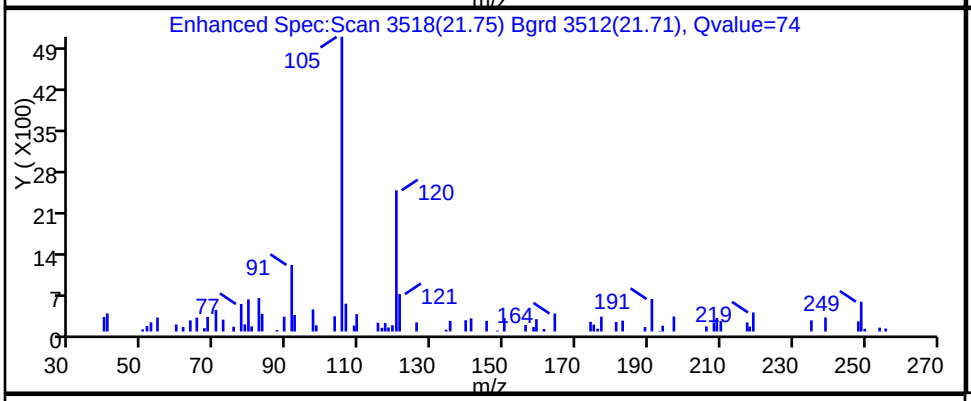
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

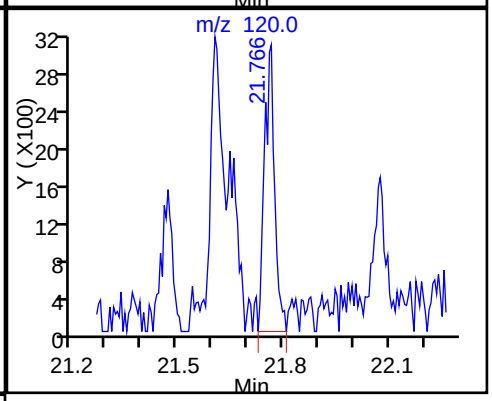
Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

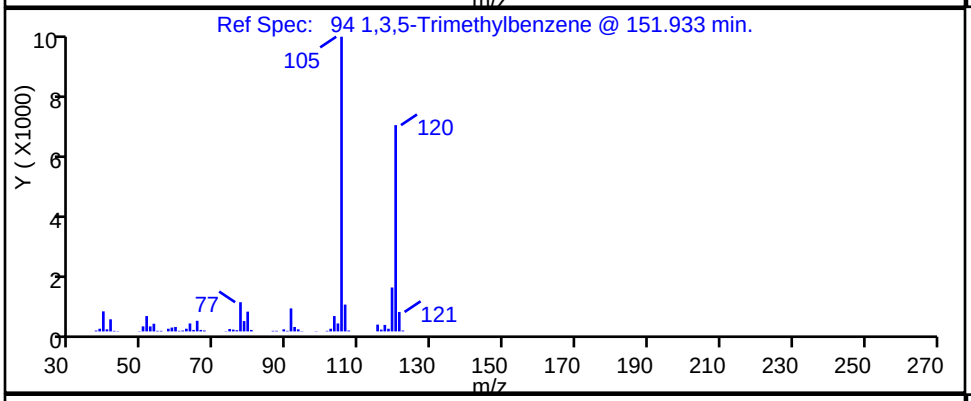
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

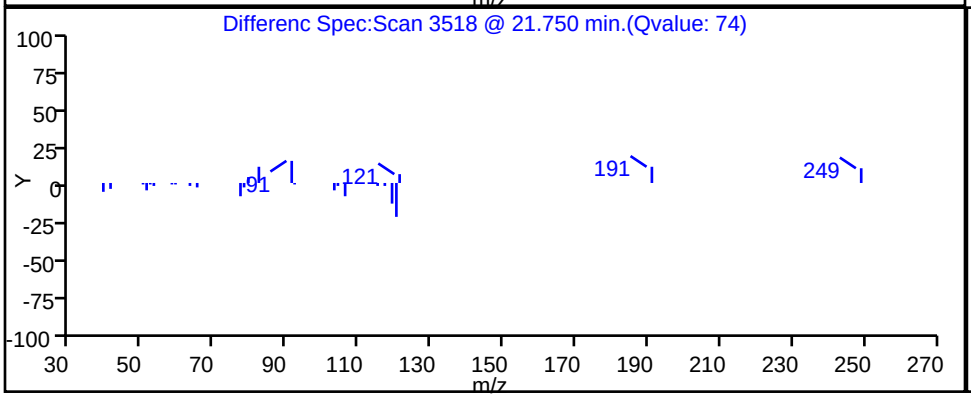


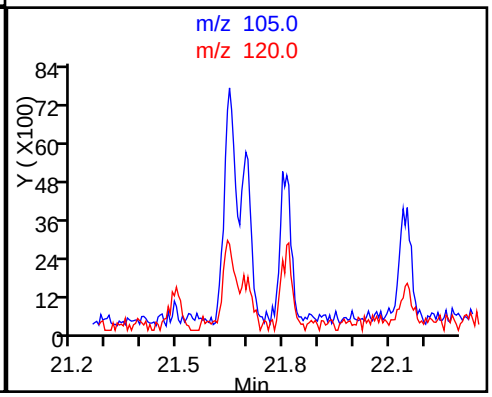












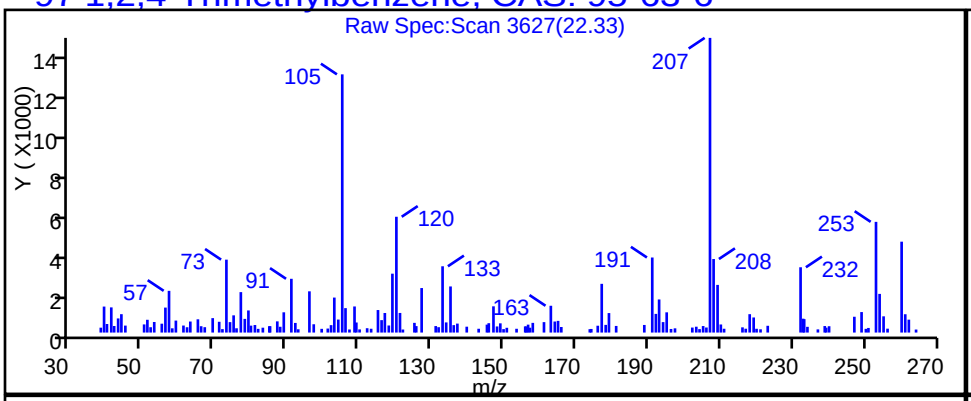
Report Date: 24-Feb-2014 11:38:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

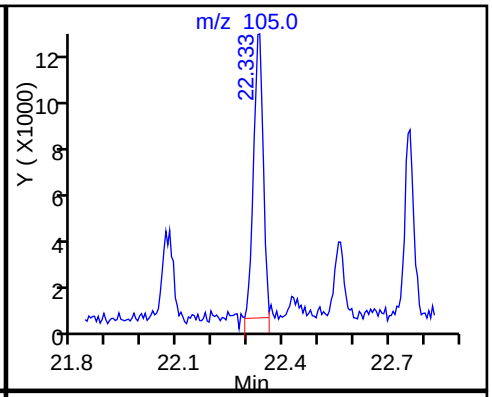
TestAmerica Burlington

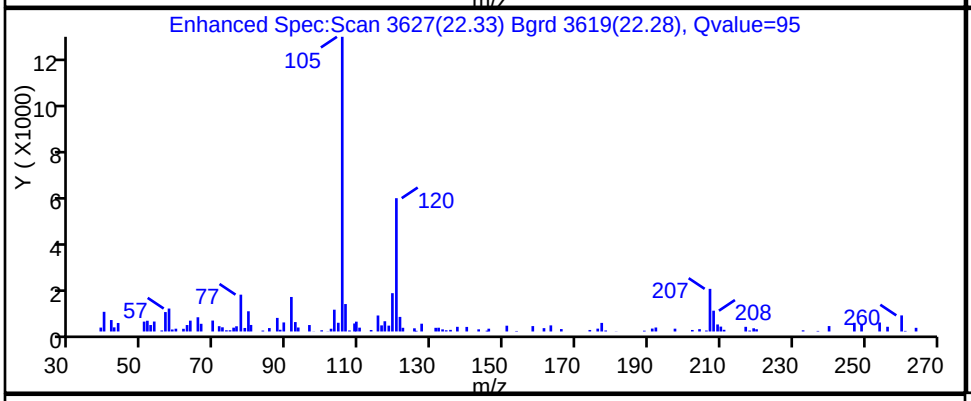
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

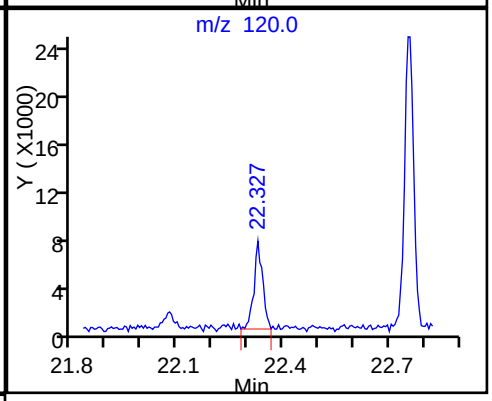
Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

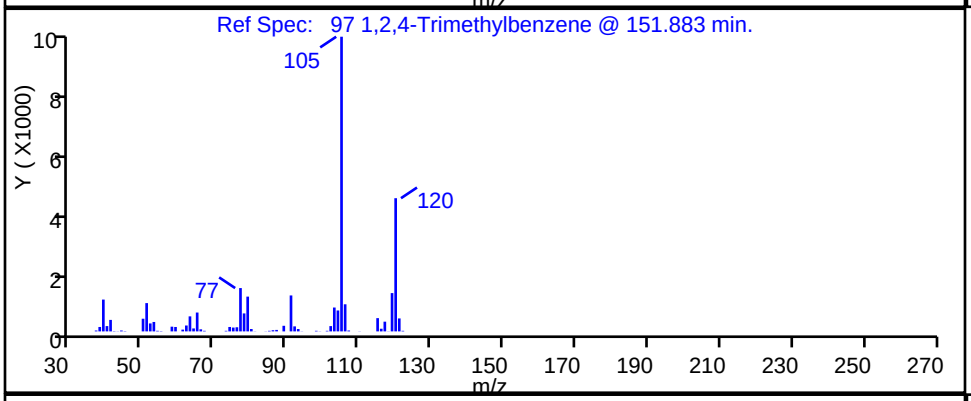
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

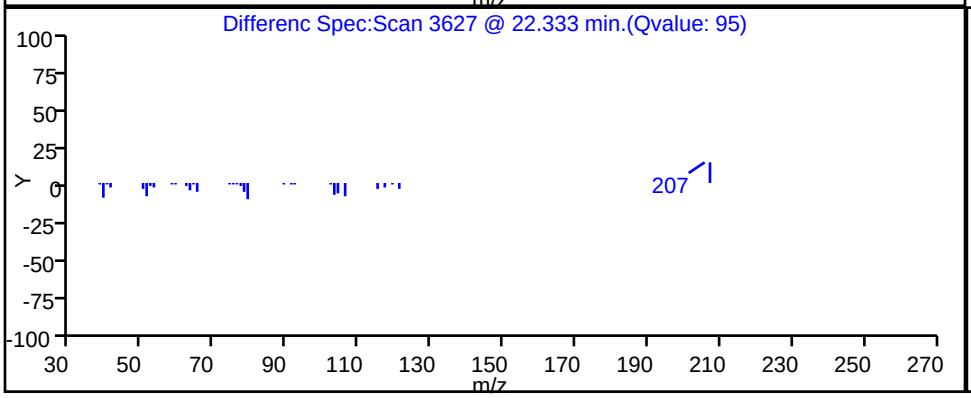


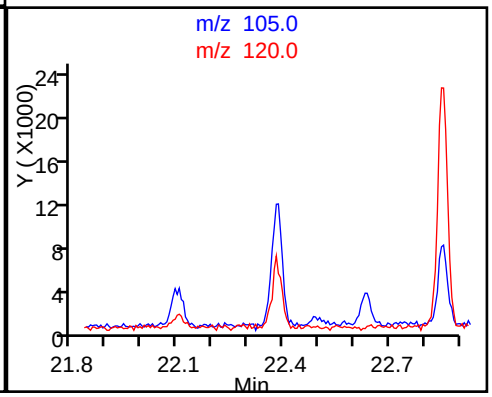












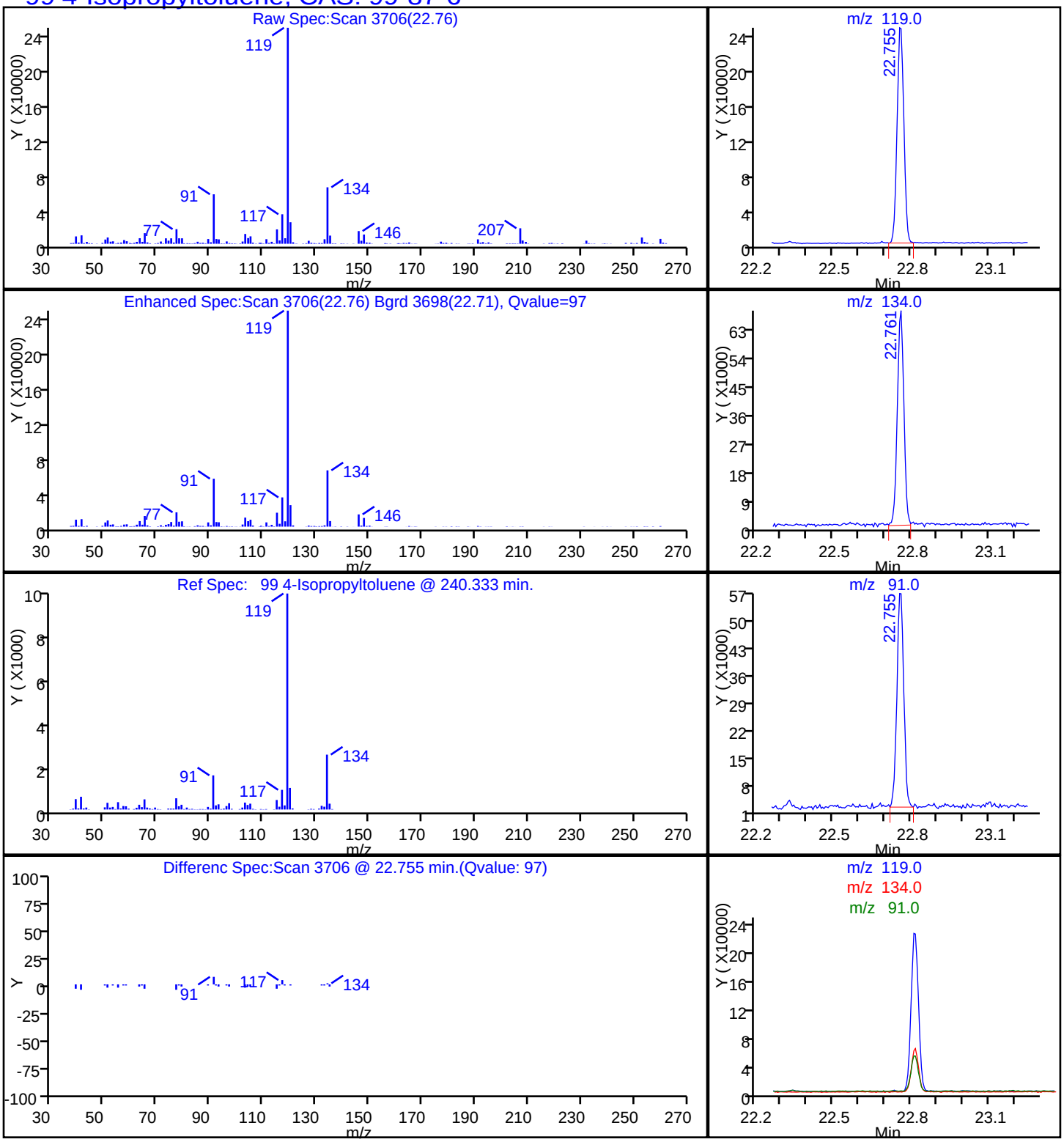
Report Date: 24-Feb-2014 11:38:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

99 4-Isopropyltoluene, CAS: 99-87-6



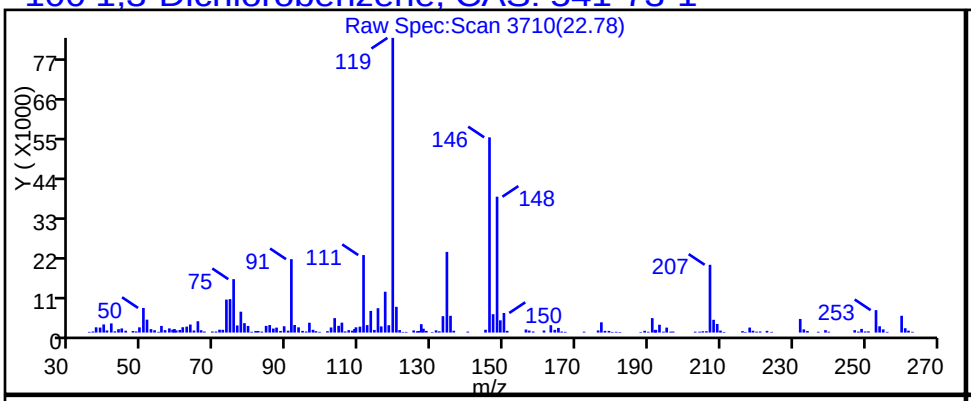
Report Date: 24-Feb-2014 11:38:41 Chrom Revision: 2.2 06-Feb-2014 15:19:06

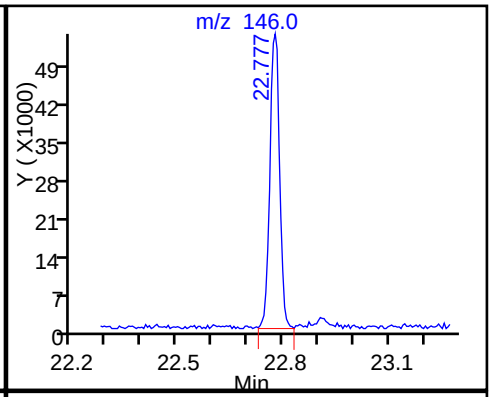
TestAmerica Burlington

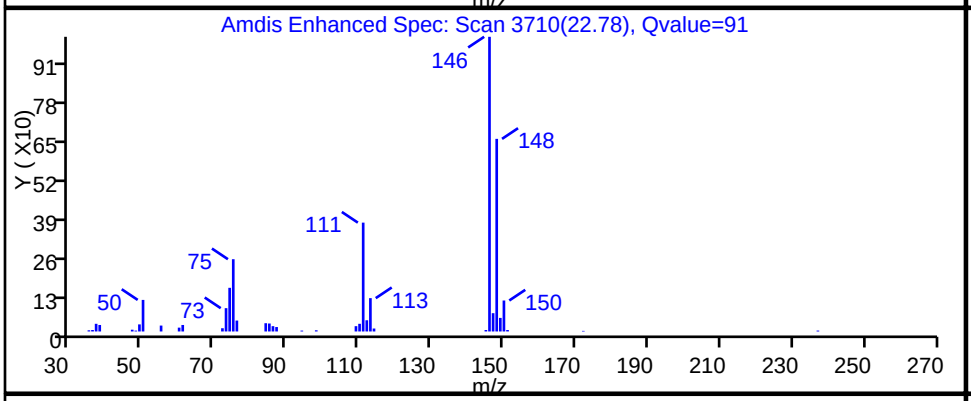
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D

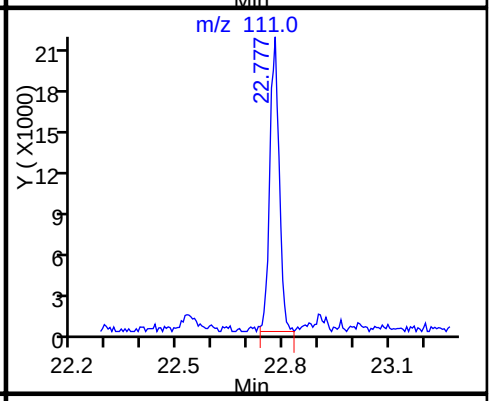
Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

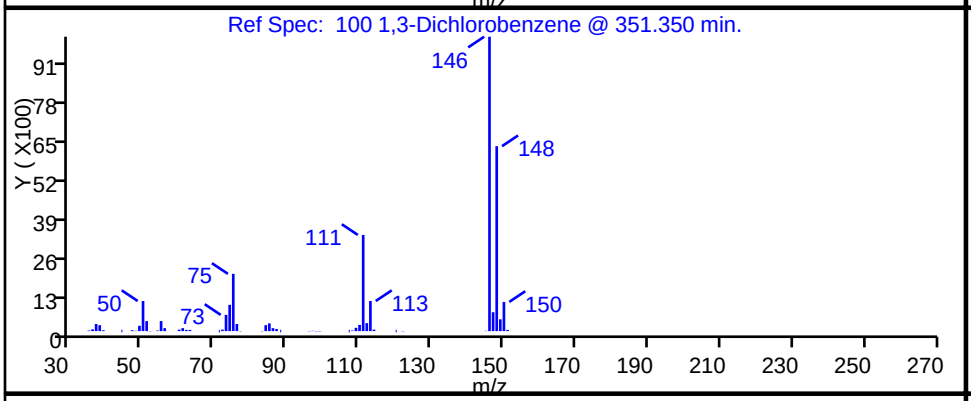
100 1,3-Dichlorobenzene, CAS: 541-73-1

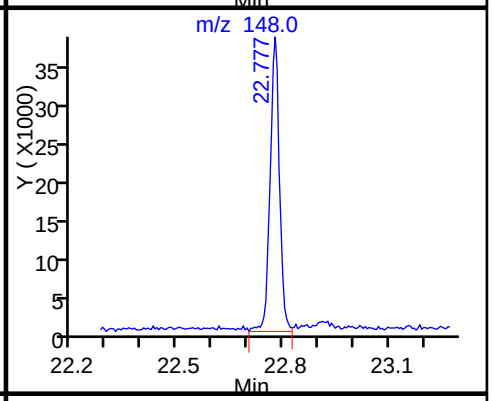


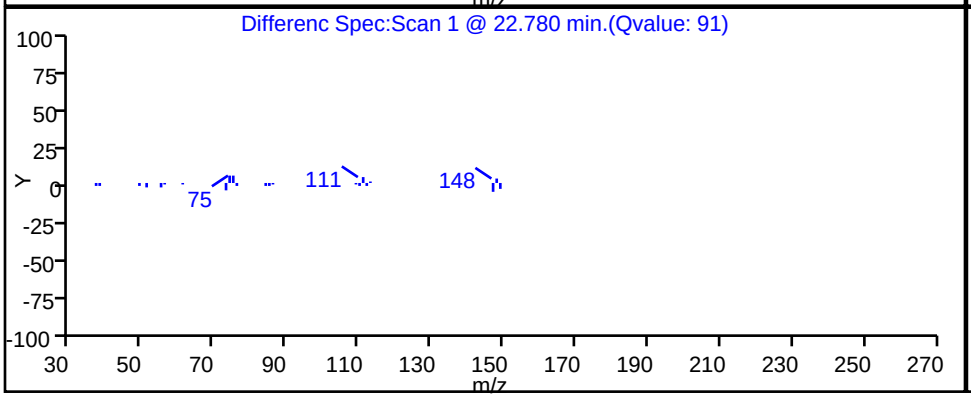


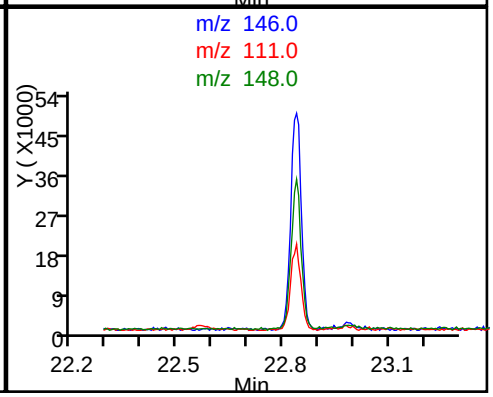












Manual Integration/User Assign Peak Report

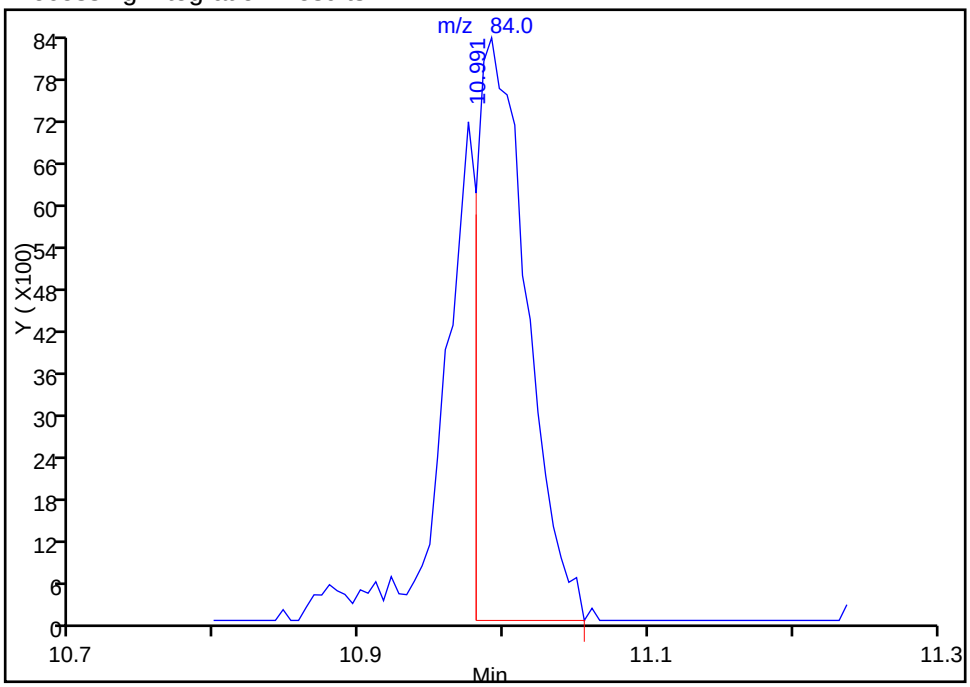
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_021.D				
Injection Date:	22-Feb-2014 03:04:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-10	Lab Sample ID:	200-20955-10		
Client ID:	SS-VMP-3B				
Operator ID:	bl	ALS Bottle#:	18	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

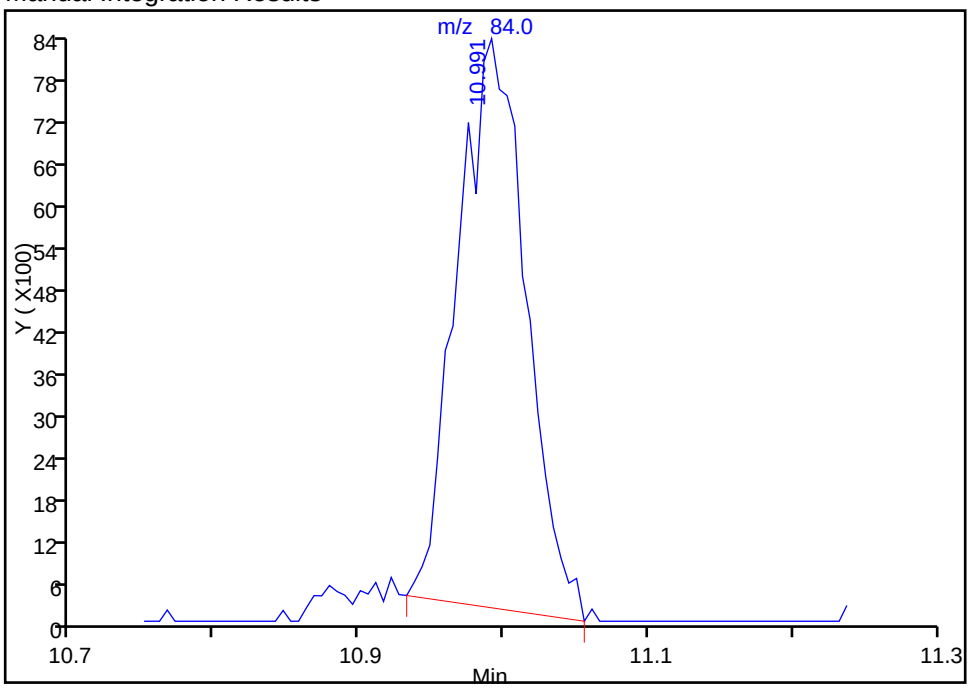
Processing Integration Results

RT: 10.99
Response: 20003
Amount: 0.203547



Manual Integration Results

RT: 10.99
Response: 26938
Amount: 0.274116



Reviewer: lyonsb, 24-Feb-2014 10:47:44
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3D Lab Sample ID: 200-20955-12

Matrix: Air Lab File ID: 6267_022.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:32

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 03:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.38	J	0.50	0.030
75-45-6	Freon 22	86.47	0.32	J	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.96		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.24		0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.23		0.20	0.030
76-13-1	Freon 113	187.38	0.063	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	14		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	500	E	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.22	J	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	8.4		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.13	J	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	14		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	0.77	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.85		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.057		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.23		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3D Lab Sample ID: 200-20955-12

Matrix: Air Lab File ID: 6267_022.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:32

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 03:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.22	J	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.12	J	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.021	J	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.023
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3D Lab Sample ID: 200-20955-12

Matrix: Air Lab File ID: 6267_022.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:32

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 03:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3D Lab Sample ID: 200-20955-12

Matrix: Air Lab File ID: 6267_022.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:32

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 03:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	1.9	J	2.5	0.15
75-45-6	Freon 22	86.47	1.1	J	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	2.3		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.54		0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.3		1.1	0.17
76-13-1	Freon 113	187.38	0.48	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	33		12	3.0
67-63-0	Isopropyl alcohol	60.10	1200	E	12	0.53
75-15-0	Carbon disulfide	76.14	0.68	J	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	29		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.46	J	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	42		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	2.3	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	2.9		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.36		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.73		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3D Lab Sample ID: 200-20955-12

Matrix: Air Lab File ID: 6267_022.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:32

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 03:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	0.89	J	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.44	J	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	0.14	J	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.10
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3D Lab Sample ID: 200-20955-12

Matrix: Air Lab File ID: 6267_022.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:32

Sample wt/vol: 200(mL) Date Analyzed: 02/22/2014 03:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D
Lims ID: 200-20955-A-12 Lab Sample ID: 200-20955-12
Client ID: SS-VMP-3D
Sample Type: Client
Inject. Date: 22-Feb-2014 03:51:30 ALS Bottle#: 19 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006267-022
Misc. Info.: 20955-12
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:38:08 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: lyonsb Date: 24-Feb-2014 10:48:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	88	81579	0.3815	
6 Chlorodifluoromethane	51	3.181	3.181	0.001	90	26004	0.3230	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.405					
8 Chloromethane	50		3.539					
9 Butane	43	3.758	3.758	0.0	94	51240	0.9575	
10 Vinyl chloride	62		3.796					
11 Butadiene	54	3.882	3.876	0.006	92	7901	0.2436	
12 Bromomethane	94		4.577					
14 Chloroethane	64		4.828					
16 Vinyl bromide	106		5.229					
17 Trichlorofluoromethane	101	5.353	5.347	0.006	93	56191	0.2301	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.481	6.476	0.005	79	9622	0.0628	
24 1,1-Dichloroethene	96		6.497					
25 Acetone	43	6.717	6.717	0.0	87	838188	14.0	
26 Carbon disulfide	76	6.883	6.883	0.001	98	34834	0.2192	
27 Isopropyl alcohol	45	7.113	7.038	0.075	98	24217667	501.2	E
29 3-Chloro-1-propene	41		7.300					
31 Methylene Chloride	49	7.594	7.599	-0.005	81	403332	8.37	
32 2-Methyl-2-propanol	59		7.835					
33 Methyl tert-butyl ether	73		8.038					
34 trans-1,2-Dichloroethene	61		8.059					
36 Hexane	57	8.482	8.493	-0.011	83	7472	0.1306	
37 1,1-Dichloroethane	63		8.947					
39 cis-1,2-Dichloroethene	96		10.087					
40 2-Butanone (MEK)	72	10.130	10.135	-0.005	98	422817	14.2	
S 41 1,2-Dichloroethene, Total	61		10.200					
* 43 Chlorobromomethane	128	10.558	10.563	-0.005	68	681590	10.0	
44 Tetrahydrofuran	42	10.579	10.579	0.0	78	35097	0.7678	
45 Chloroform	83		10.702					
46 Cyclohexane	84	10.997	10.991	0.006	82	81776	0.8525	
47 1,1,1-Trichloroethane	97		11.002					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	48 Carbon tetrachloride	117	11.275	11.269	0.006	95	16583	0.0573	
	50 Benzene	78	11.740	11.740	0.0	91	58880	0.2296	
	51 Isooctane	57		11.761					
	52 1,2-Dichloroethane	62		11.911					
	53 n-Heptane	43		12.168					
*	54 1,4-Difluorobenzene	114	12.623	12.623	0.0	91	3843478	10.0	
	56 Trichloroethene	95		13.110					
	58 1,2-Dichloropropane	63		13.682					
	59 Methyl methacrylate	69	13.875	13.880	-0.005	73	22608	0.2165	
	60 1,4-Dioxane	88		13.917					
	62 Dichlorobromomethane	83		14.249					
	64 cis-1,3-Dichloropropene	75		15.228					
	65 4-Methyl-2-pentanone (MIBK)	43		15.528					
	66 Toluene	92	15.854	15.849	0.005	90	31512	0.1163	
	70 trans-1,3-Dichloropropene	75		16.437					
	71 1,1,2-Trichloroethane	83		16.812					
	72 Tetrachloroethene	166	16.967	16.961	0.006	73	6107	0.0210	
	73 2-Hexanone	43		17.282					
	74 Chlorodibromomethane	129		17.587					
	75 Ethylene Dibromide	107		17.860					
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	81	3699597	10.0	
	77 Chlorobenzene	112		18.844					
	78 Ethylbenzene	91		19.016					
	80 m-Xylene & p-Xylene	106		19.272					
S	82 Xylenes, Total	106		20.100					
	83 o-Xylene	106		20.102					
	84 Styrene	104		20.144					
	85 Bromoform	173		20.530					
$	87 4-Bromofluorobenzene	95	21.113	21.107	0.006	99	1812418	NC	
	88 1,1,2,2-Tetrachloroethane	83		21.364					
	90 N-Propylbenzene	91		21.471					
	92 2-Chlorotoluene	91		21.653					
	91 4-Ethyltoluene	105		21.653					
	94 1,3,5-Trimethylbenzene	105		21.760					
	96 tert-Butylbenzene	119		22.242					
	97 1,2,4-Trimethylbenzene	105		22.332					
	98 sec-Butylbenzene	105		22.562					
	99 4-Isopropyltoluene	119		22.760					
	100 1,3-Dichlorobenzene	146		22.776					
	101 1,4-Dichlorobenzene	146		22.910					
	102 Benzyl chloride	91		23.103					
	103 n-Butylbenzene	91		23.338					
	105 1,2-Dichlorobenzene	146		23.451					
	107 1,2,4-Trichlorobenzene	180		26.013					
	108 Hexachlorobutadiene	225		26.227					
	109 Naphthalene	128		26.505					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

WorkSheet Quantitation Report

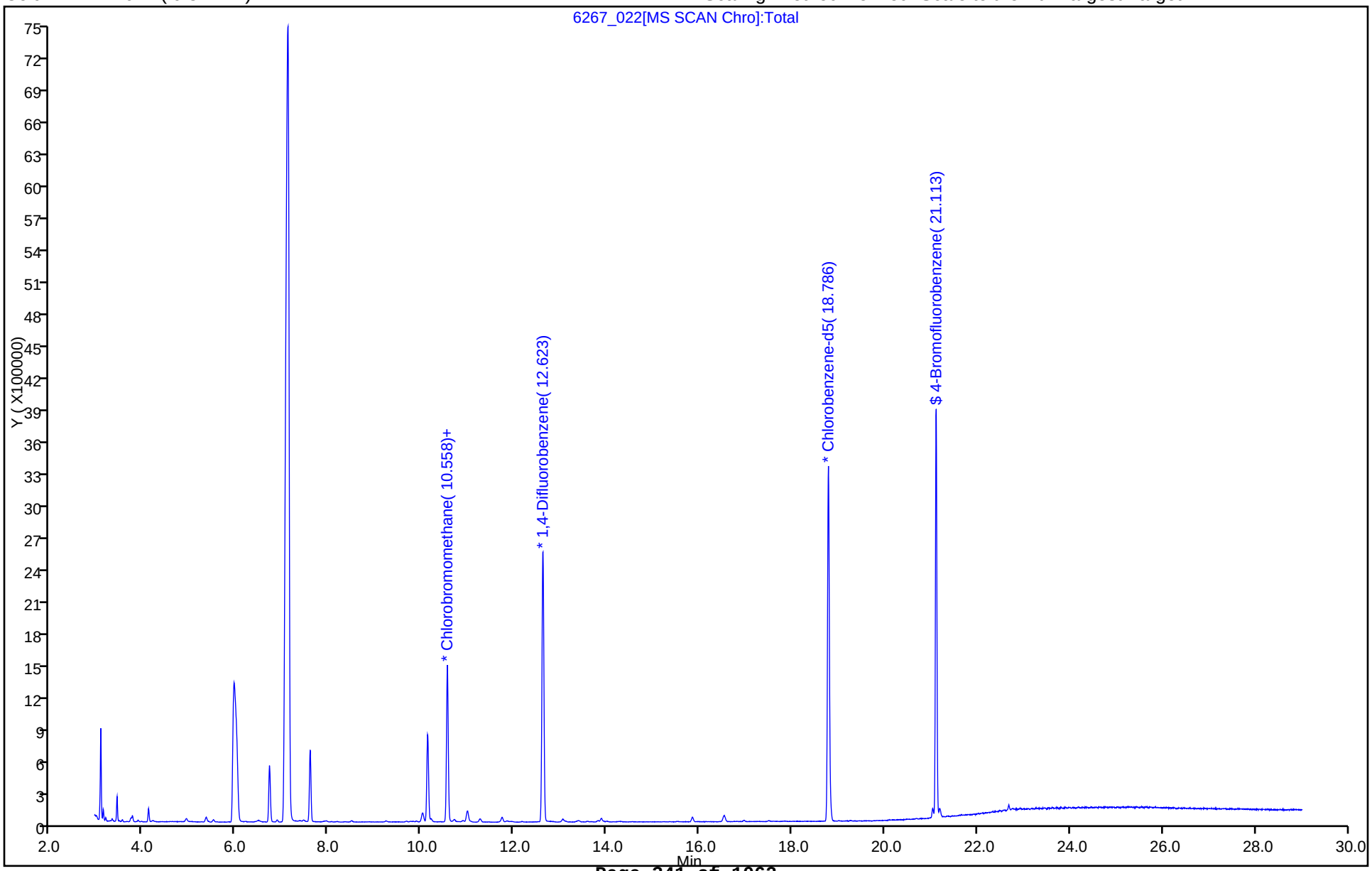
Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D				
Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12	Worklist Smp#:	22
Client ID:	SS-VMP-3D				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



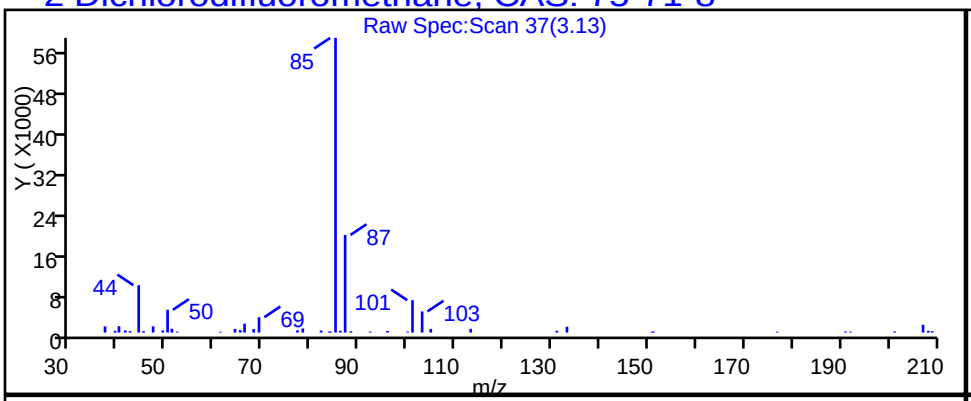
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

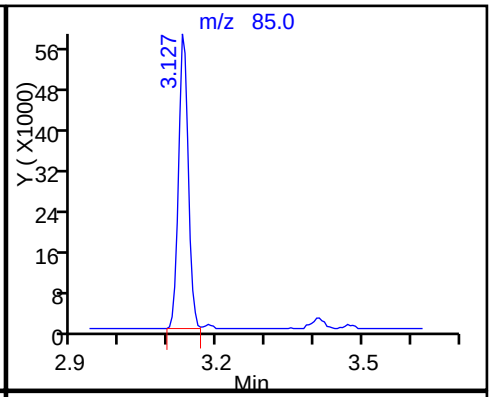
TestAmerica Burlington

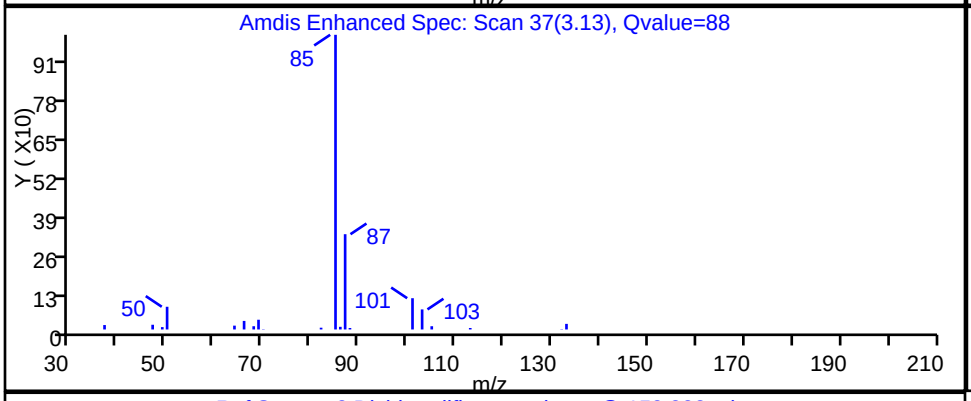
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

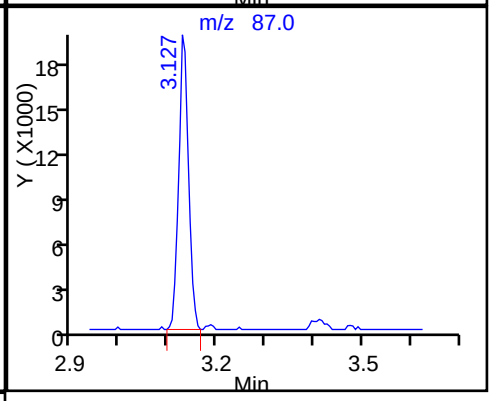
Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

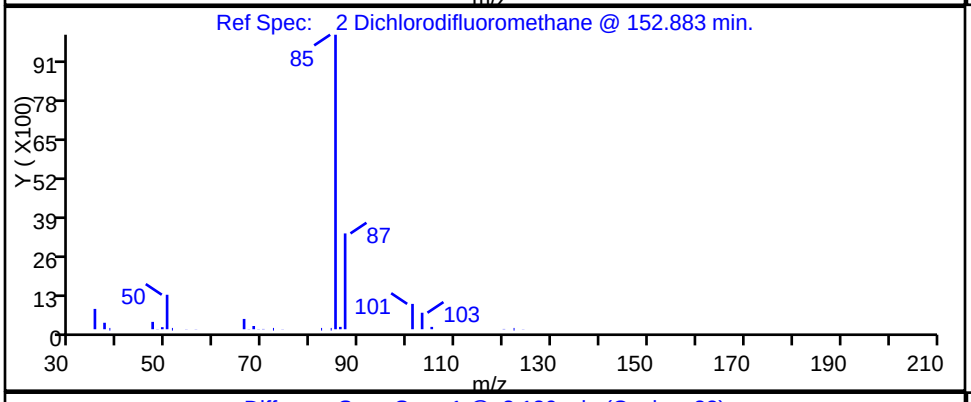
2 Dichlorodifluoromethane, CAS: 75-71-8

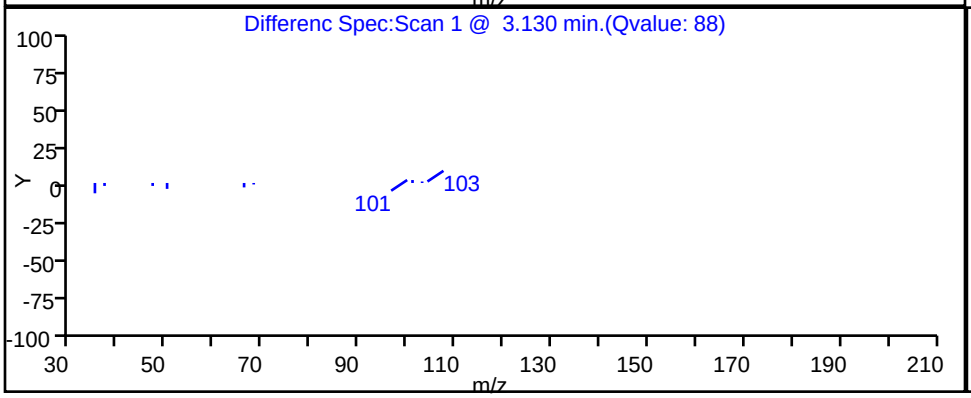


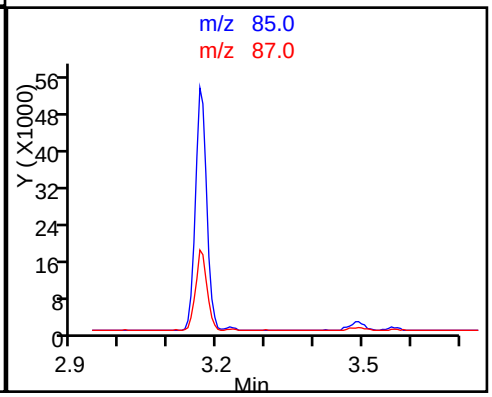












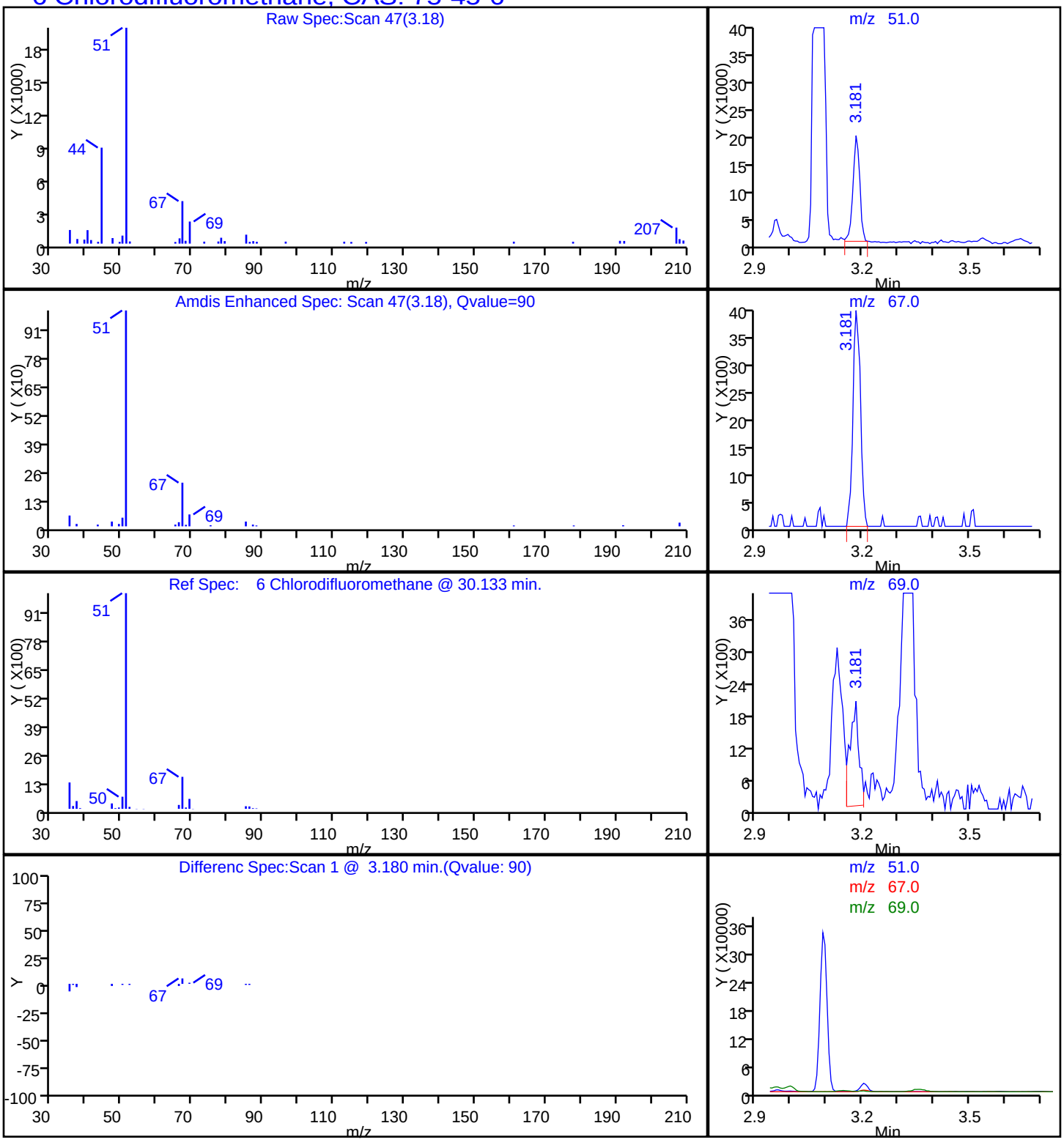
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



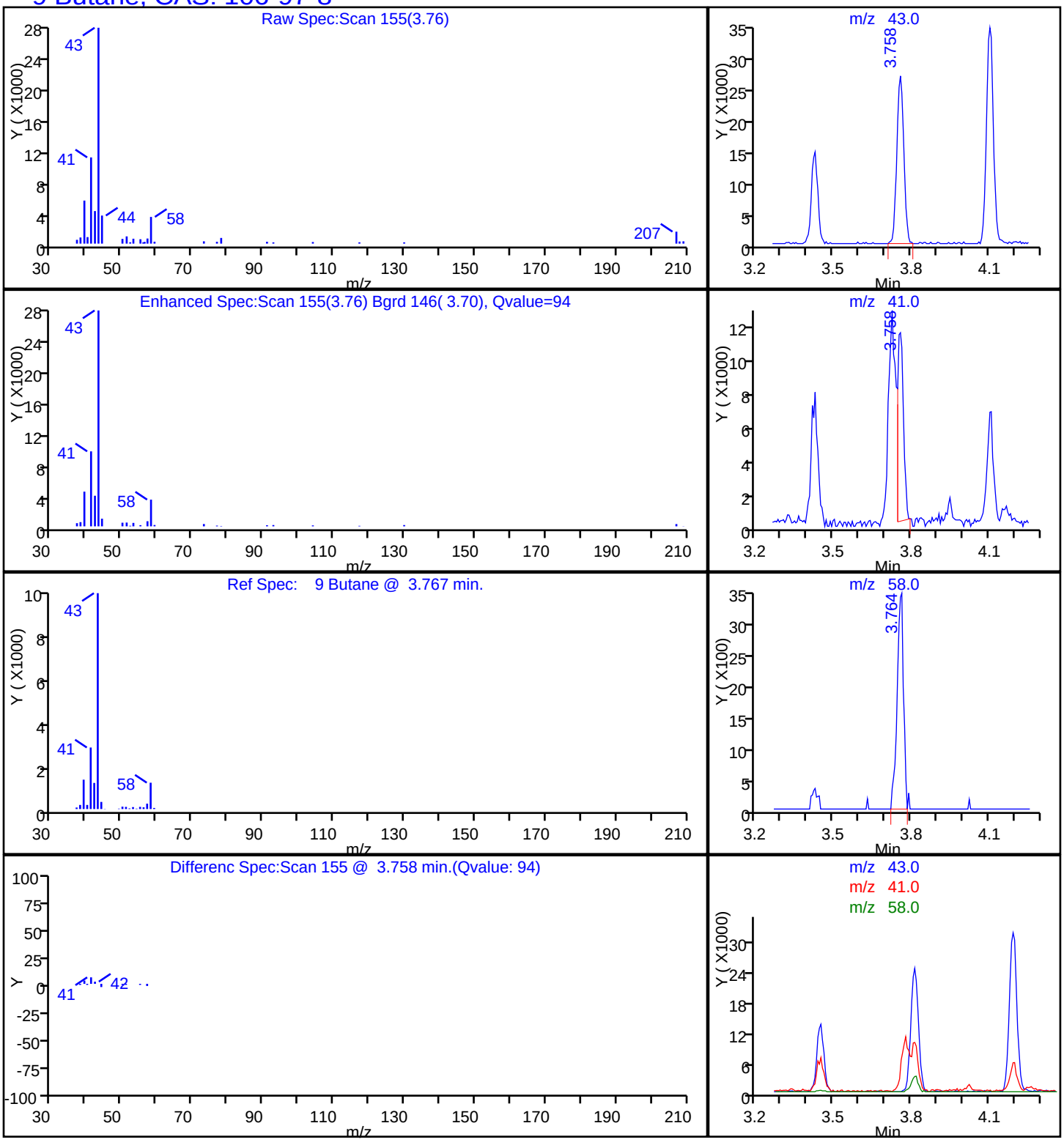
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



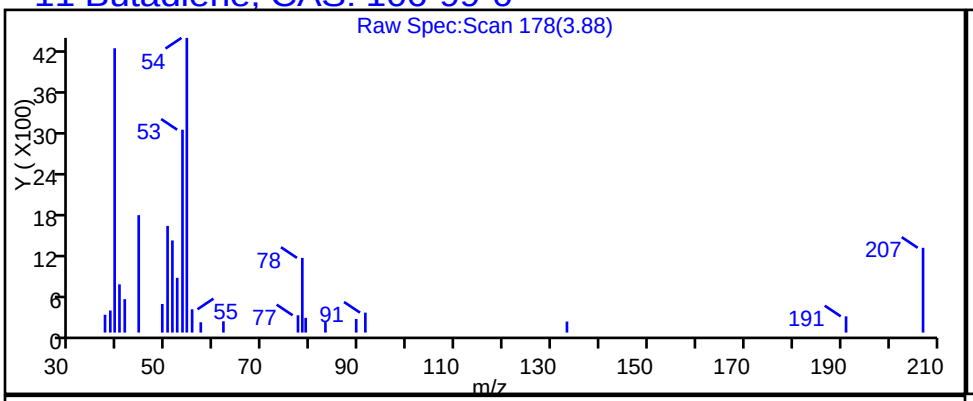
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

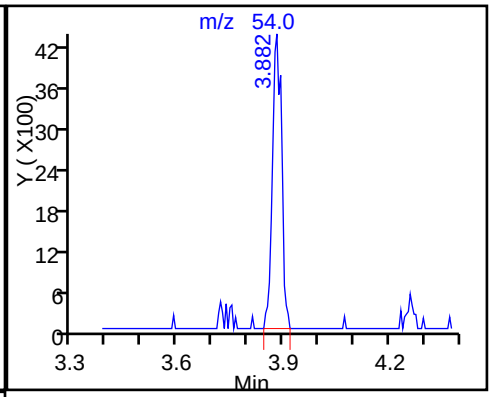
TestAmerica Burlington

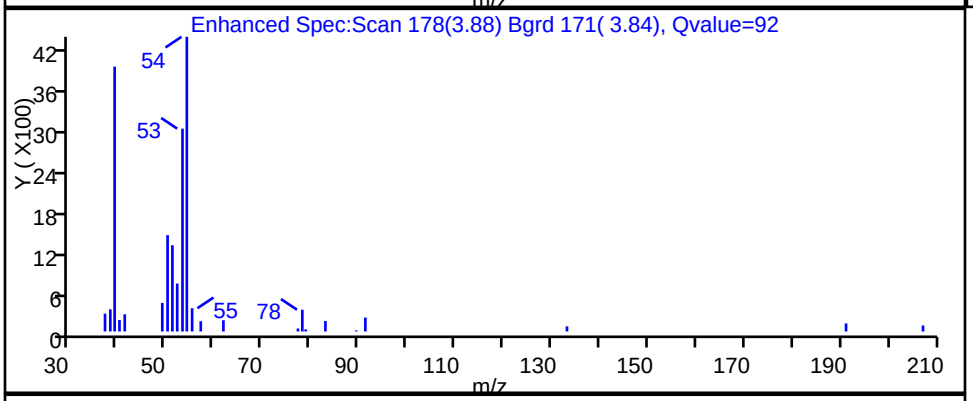
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

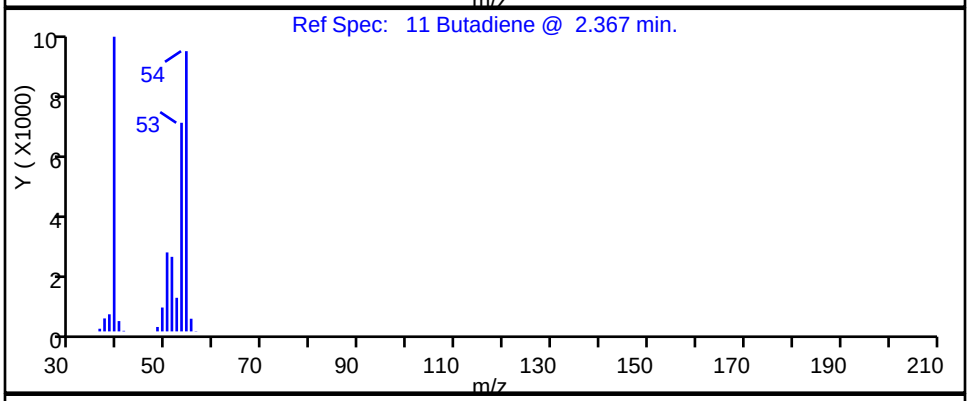
Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

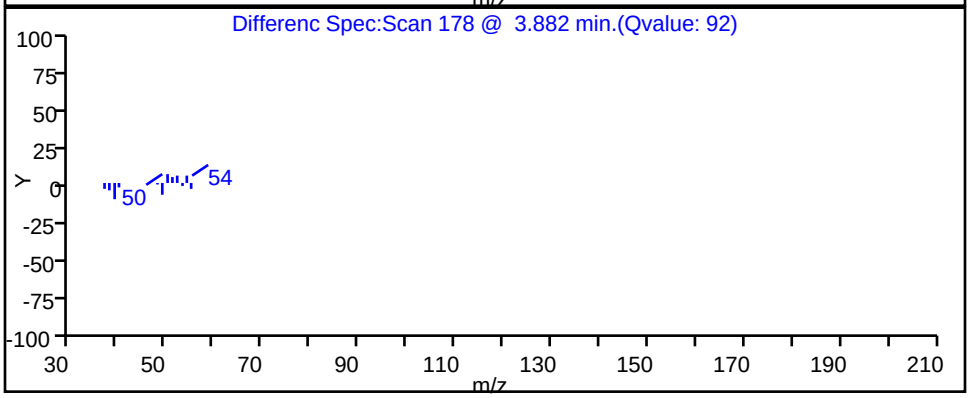
11 Butadiene, CAS: 106-99-0











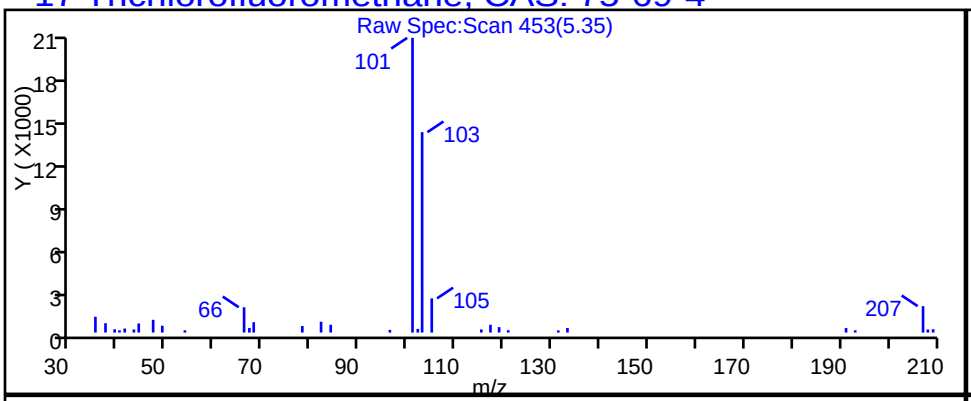
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

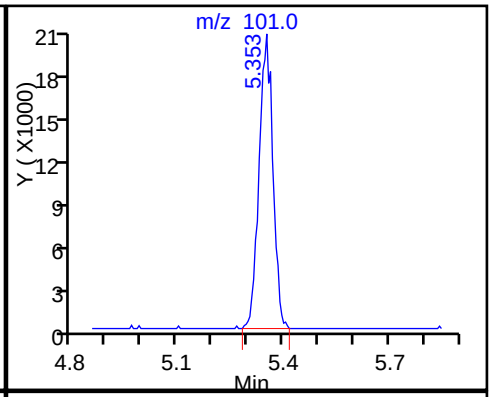
TestAmerica Burlington

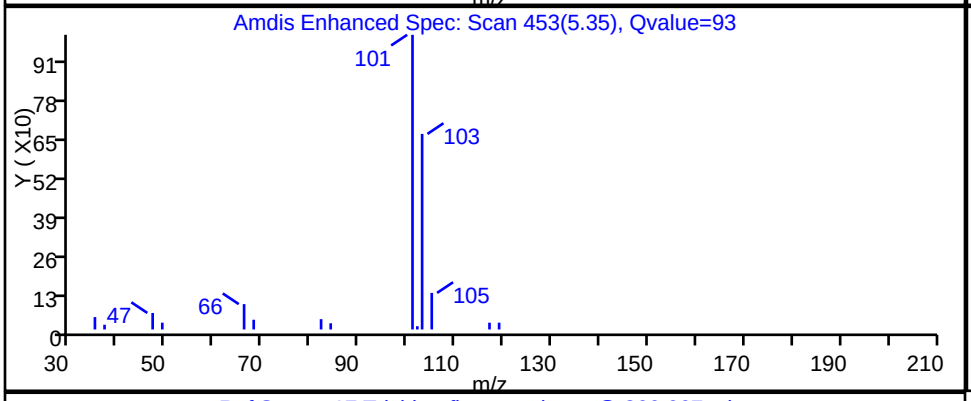
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

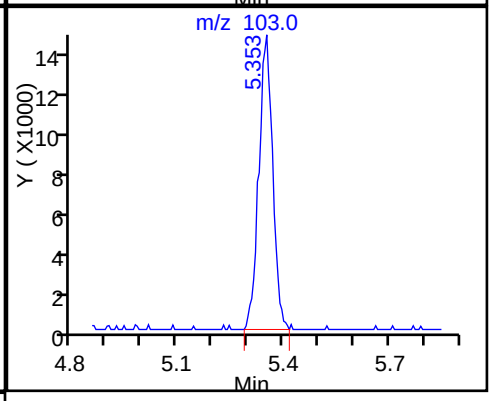
Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

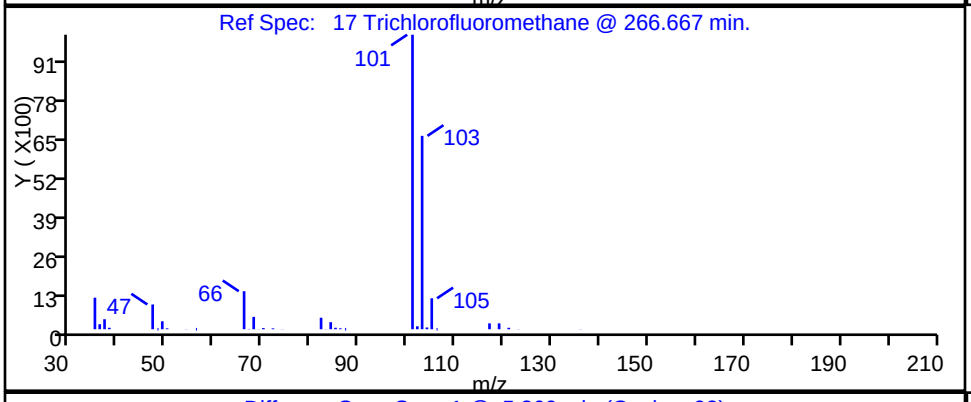
17 Trichlorofluoromethane, CAS: 75-69-4

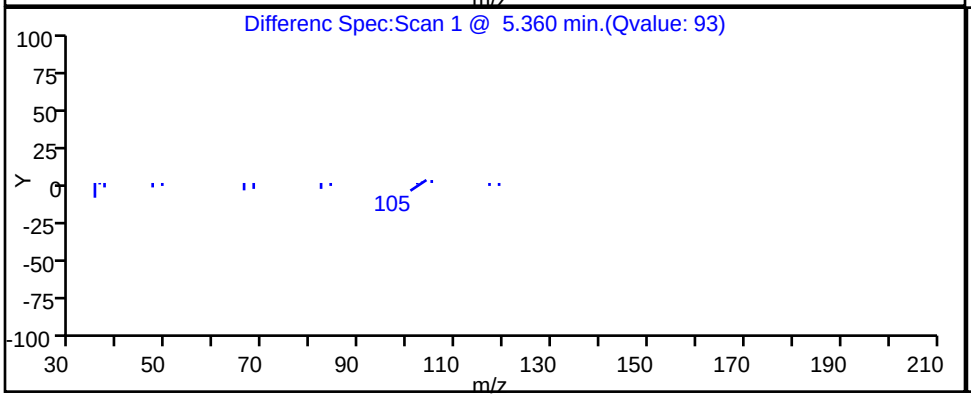


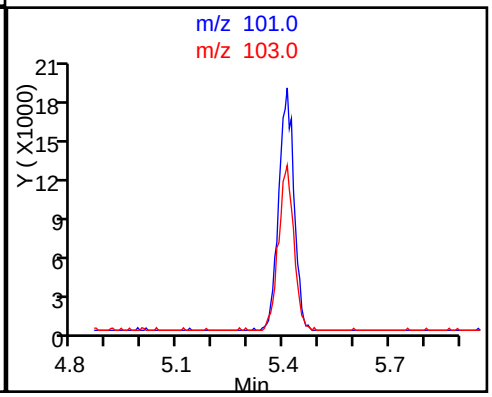












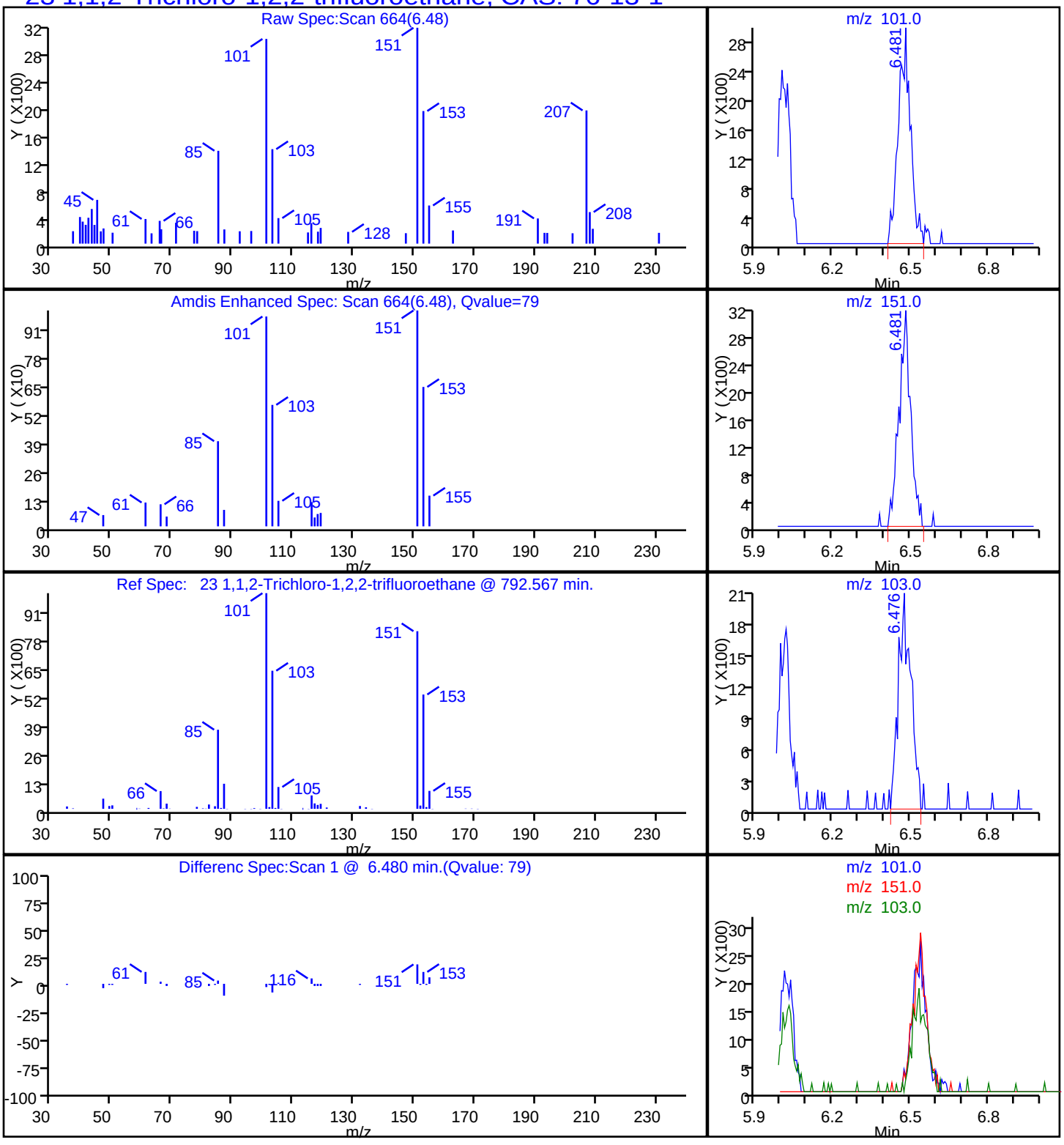
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



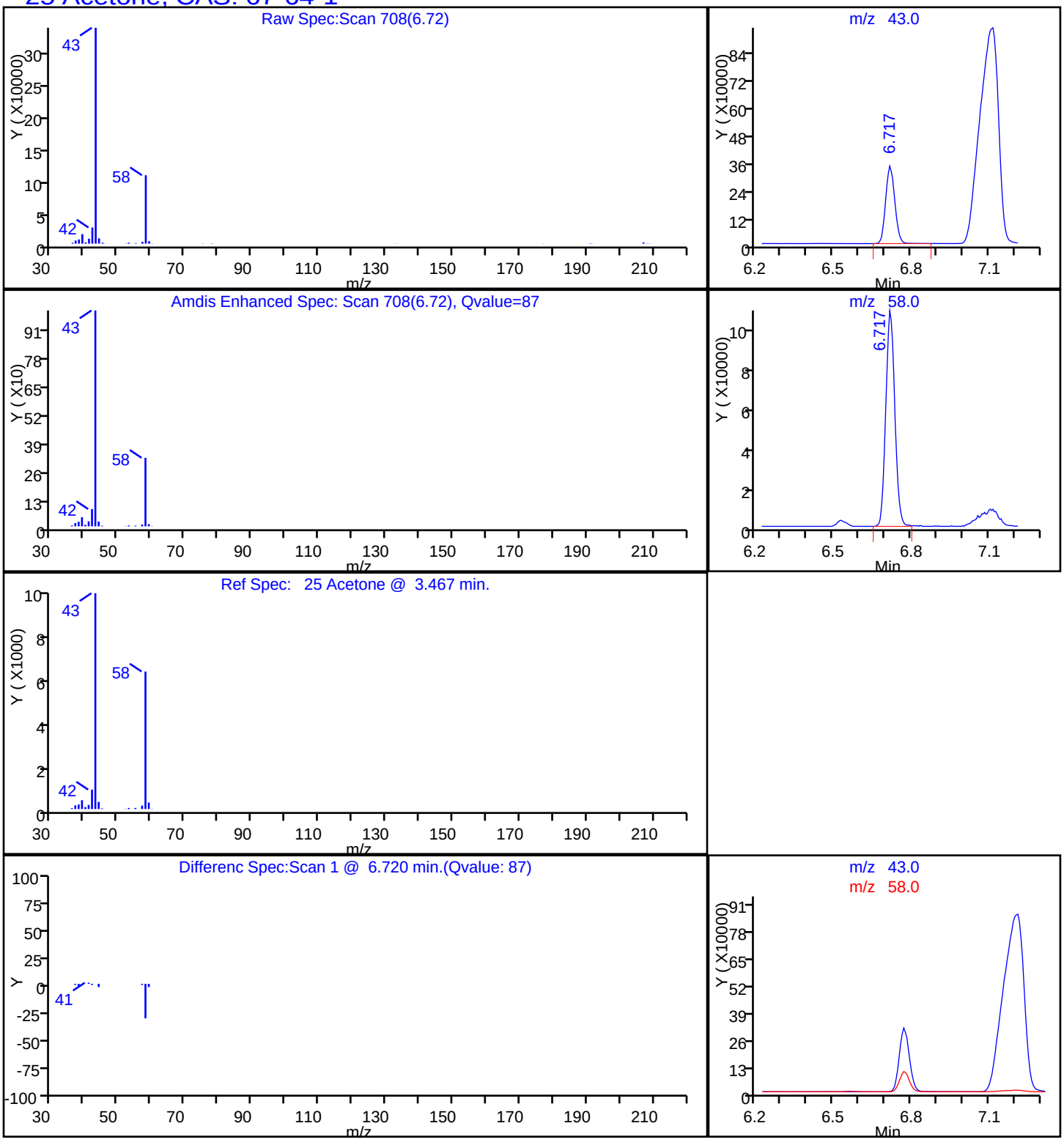
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



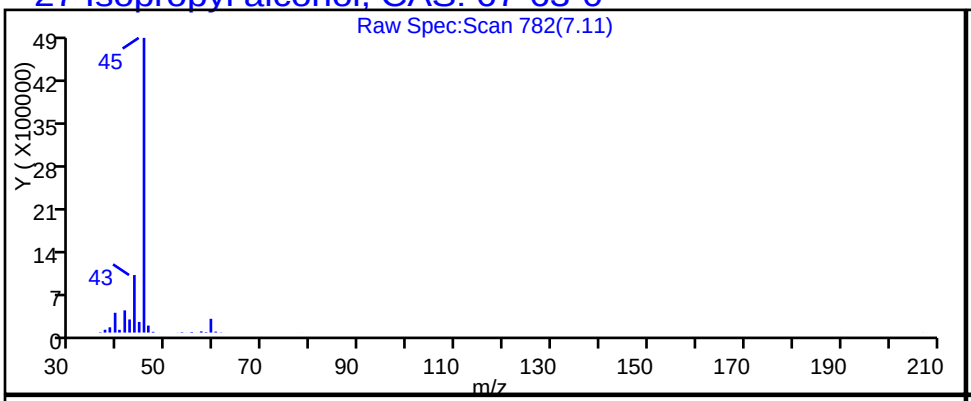
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

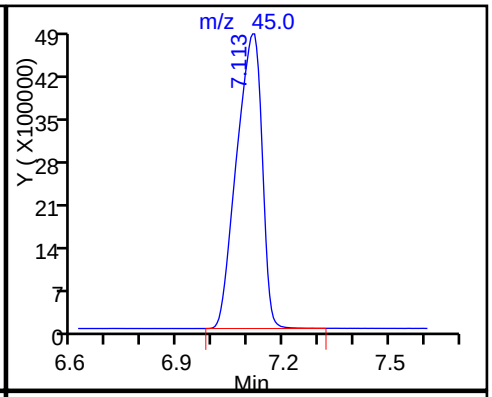
TestAmerica Burlington

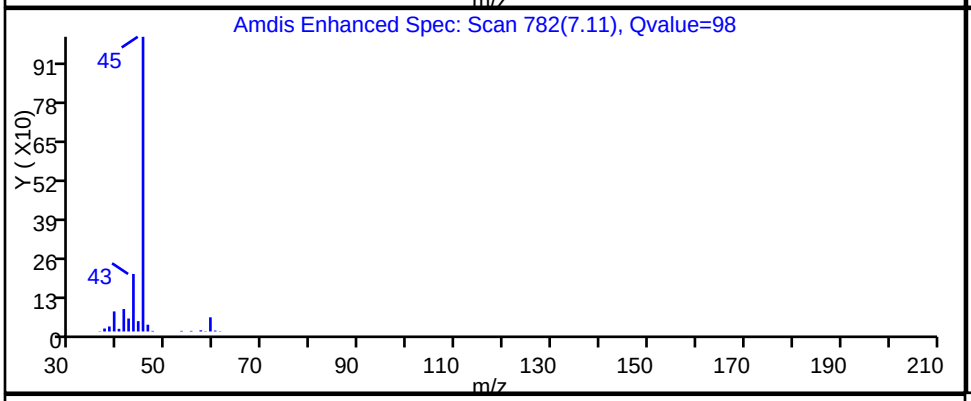
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

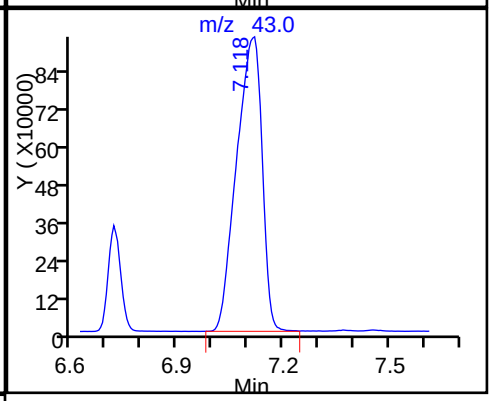
Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

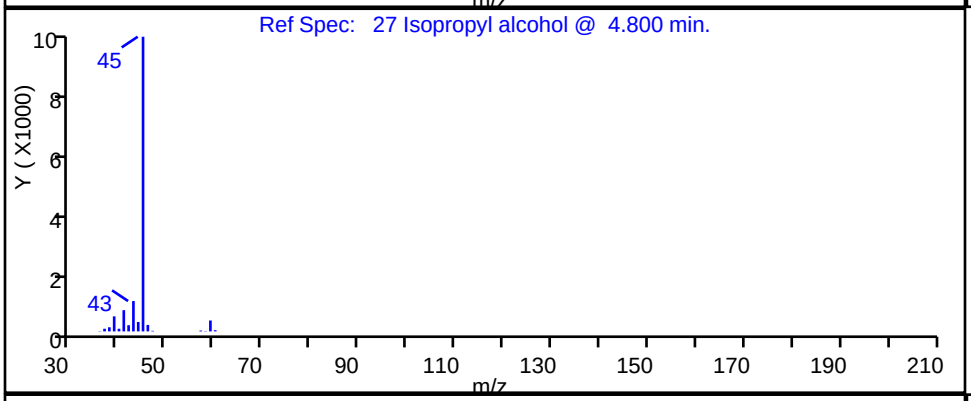
27 Isopropyl alcohol, CAS: 67-63-0

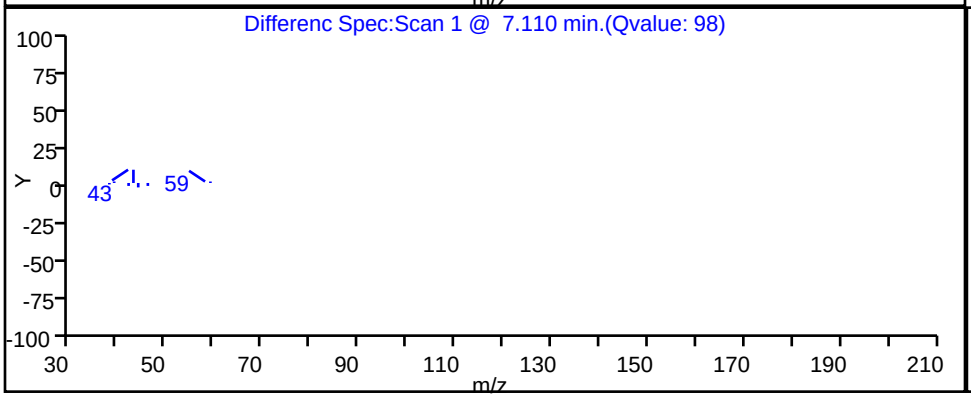


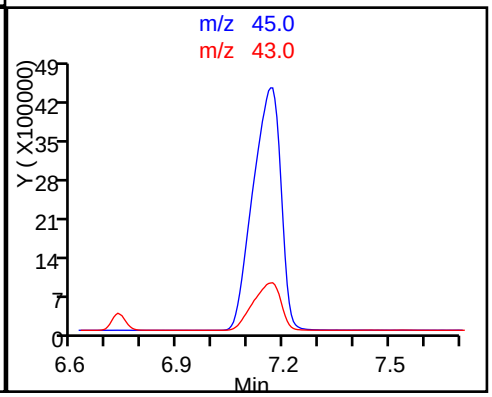










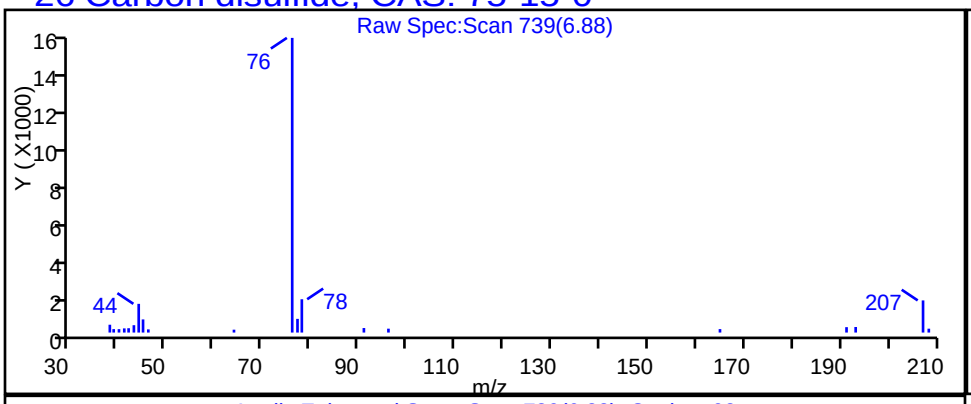


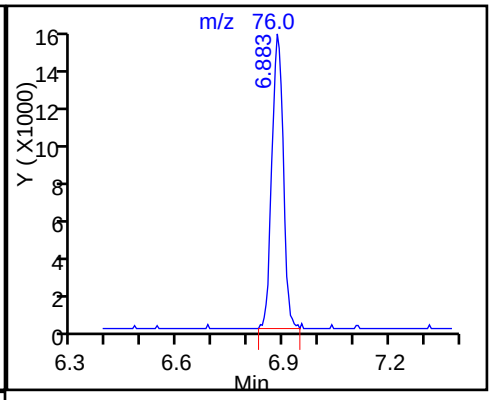
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

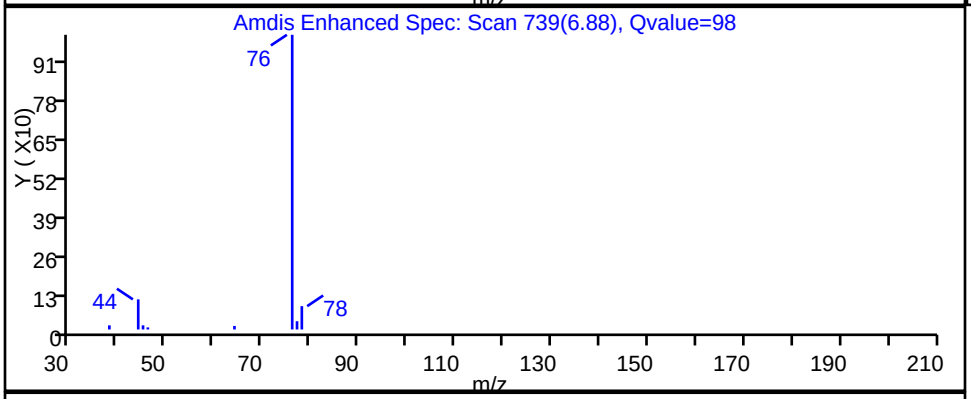
TestAmerica Burlington

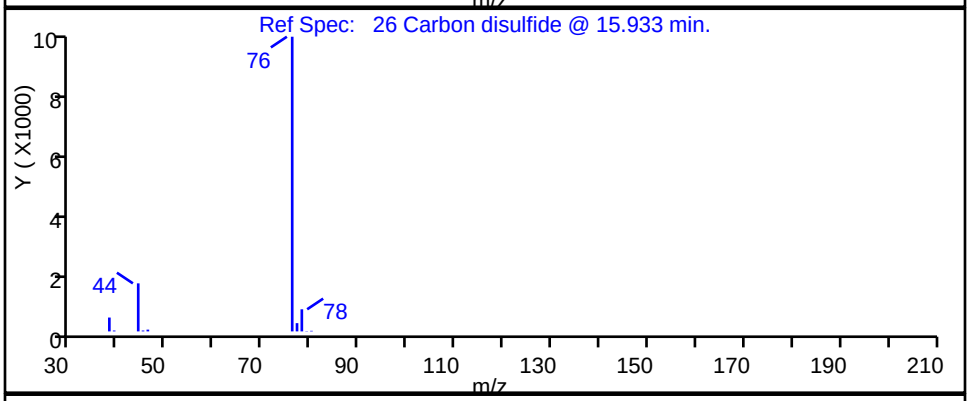
Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D				
Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

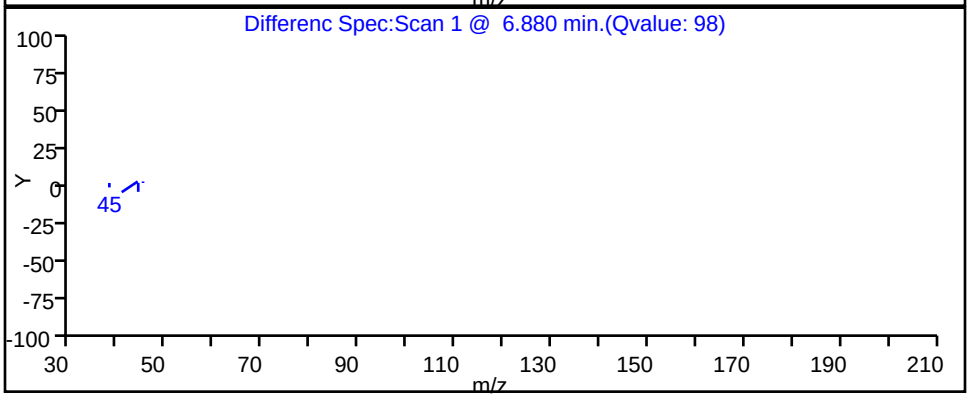
26 Carbon disulfide, CAS: 75-15-0











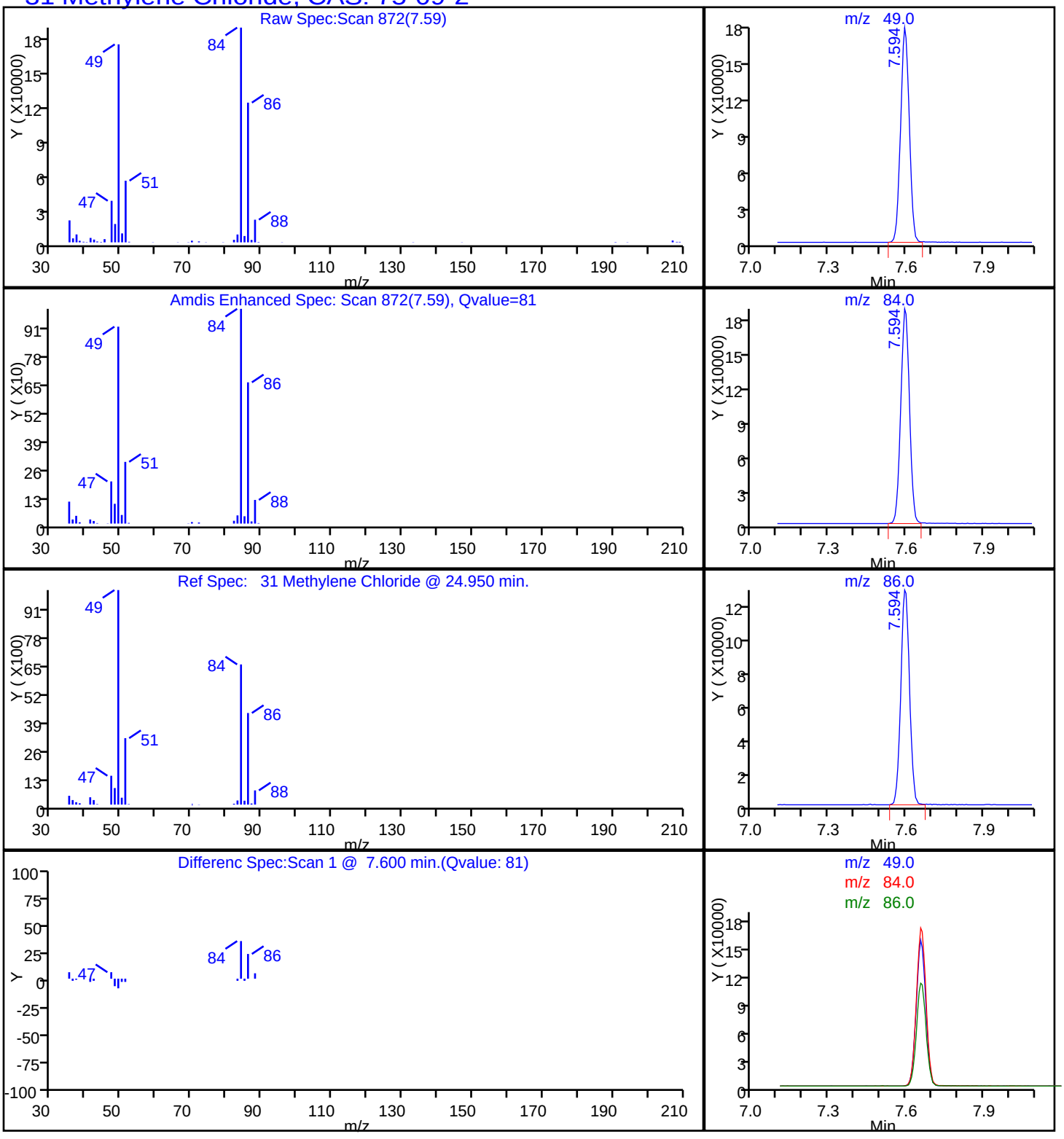
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



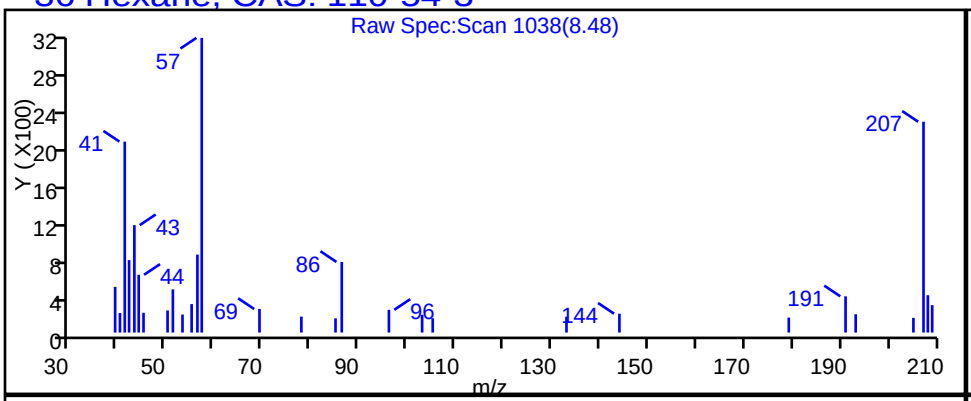
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

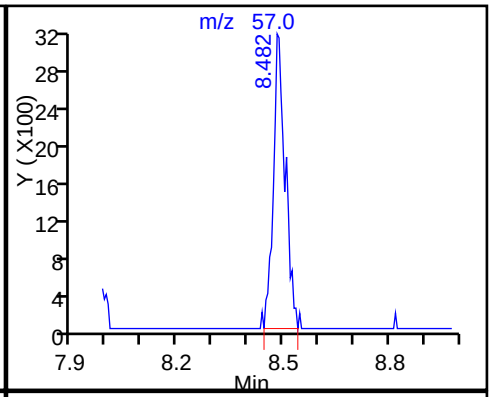
TestAmerica Burlington

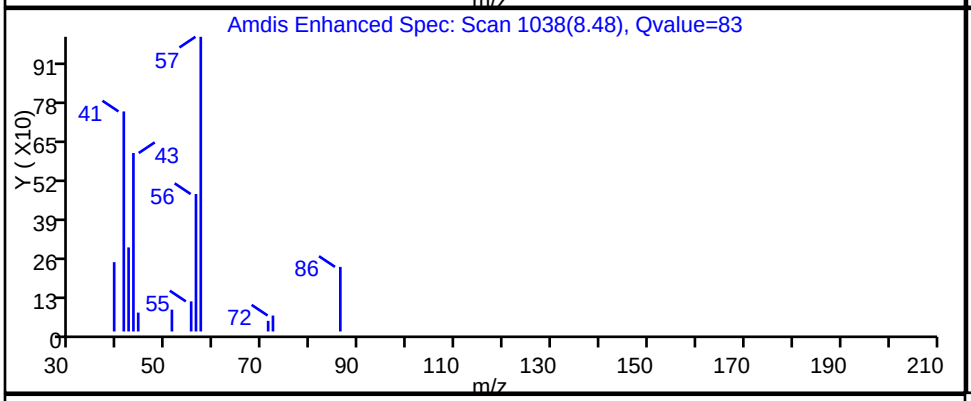
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

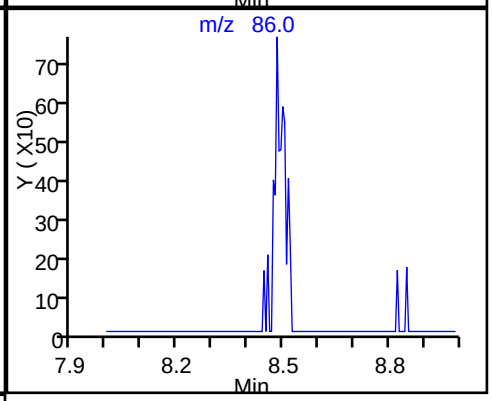
Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

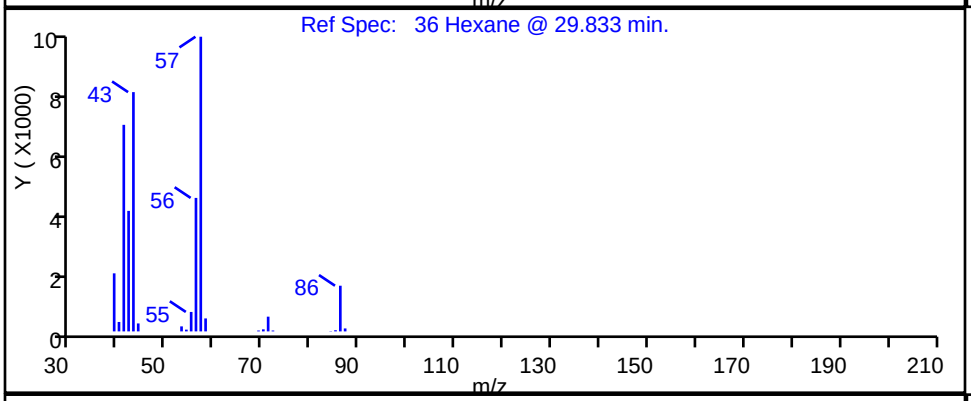
36 Hexane, CAS: 110-54-3

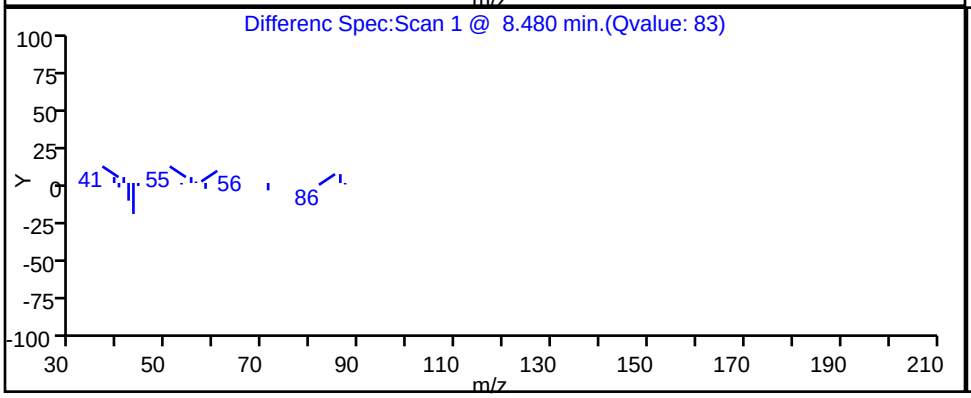


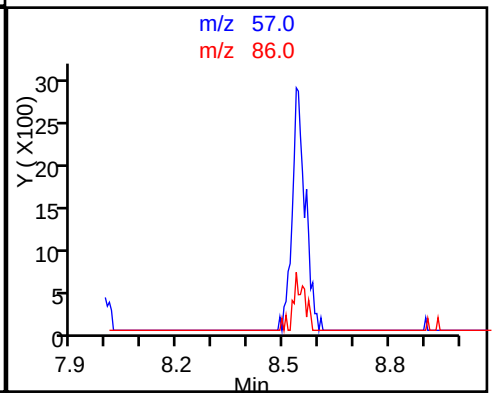












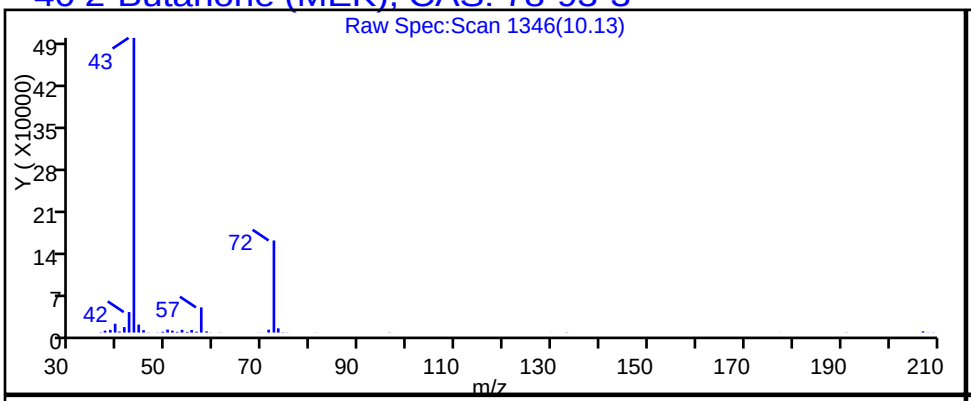
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

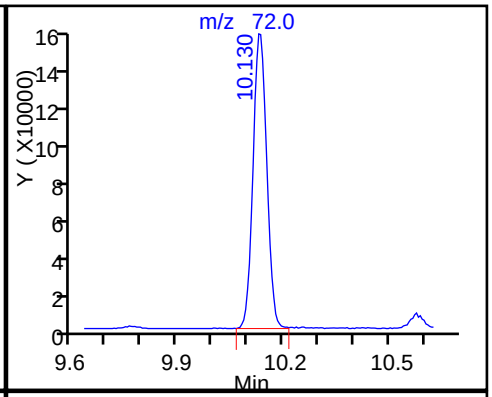
TestAmerica Burlington

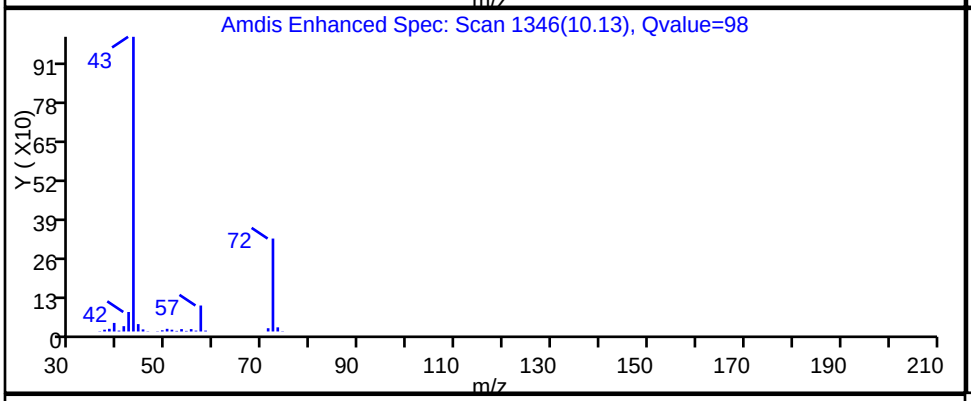
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

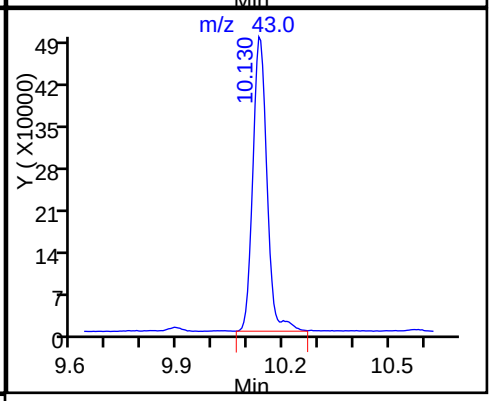
Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

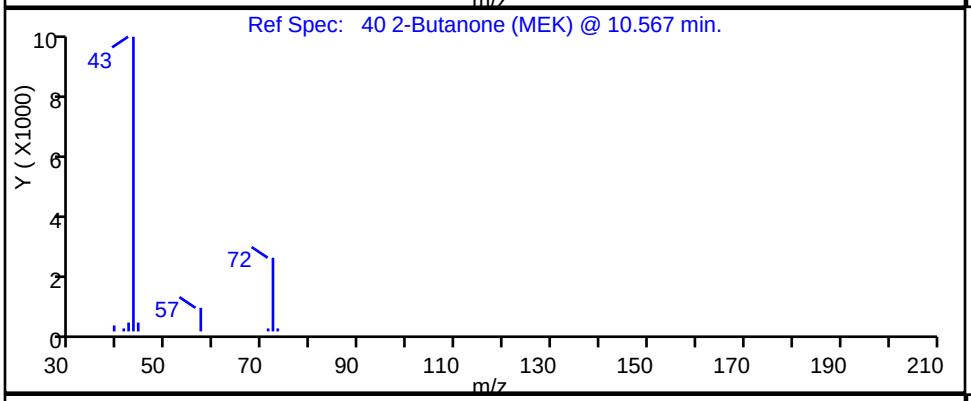
40 2-Butanone (MEK), CAS: 78-93-3

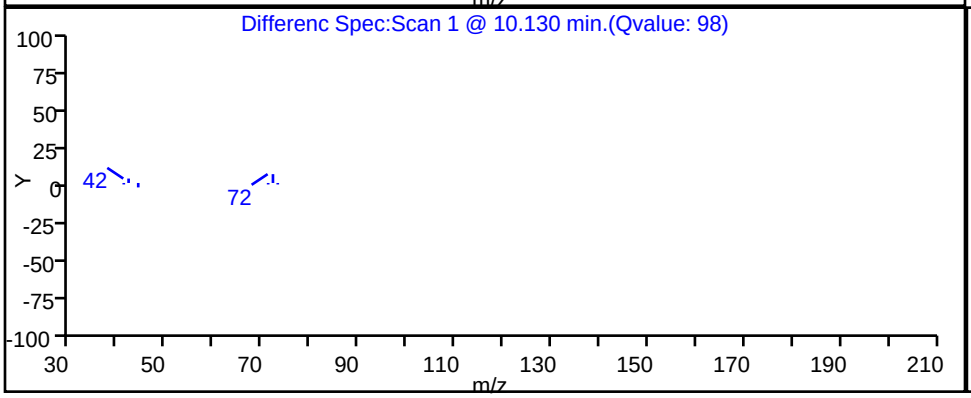


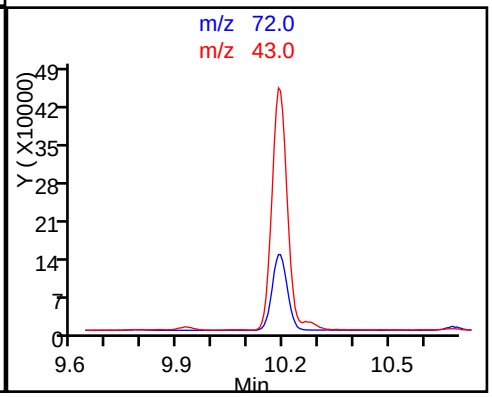












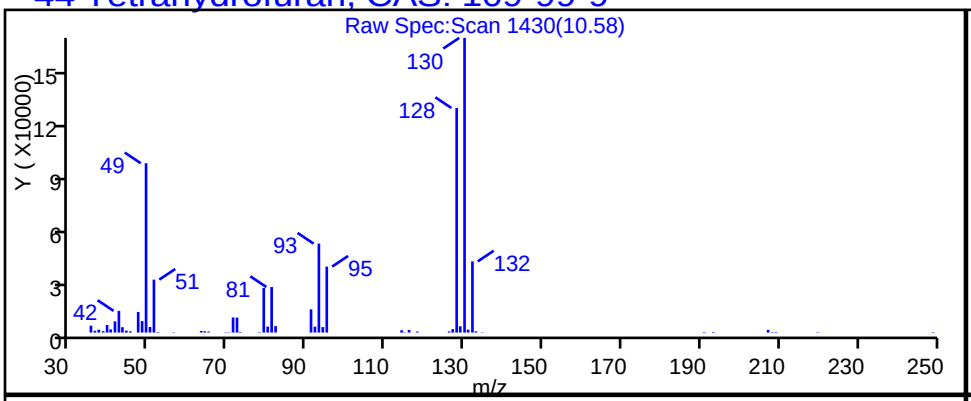
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

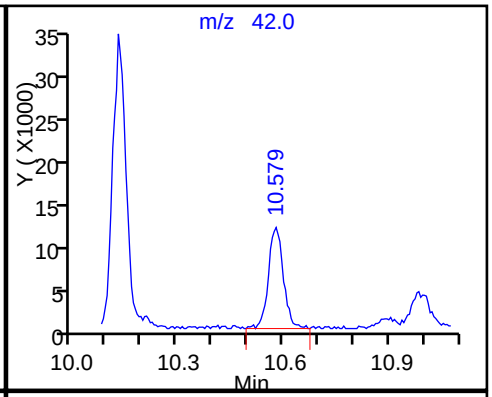
TestAmerica Burlington

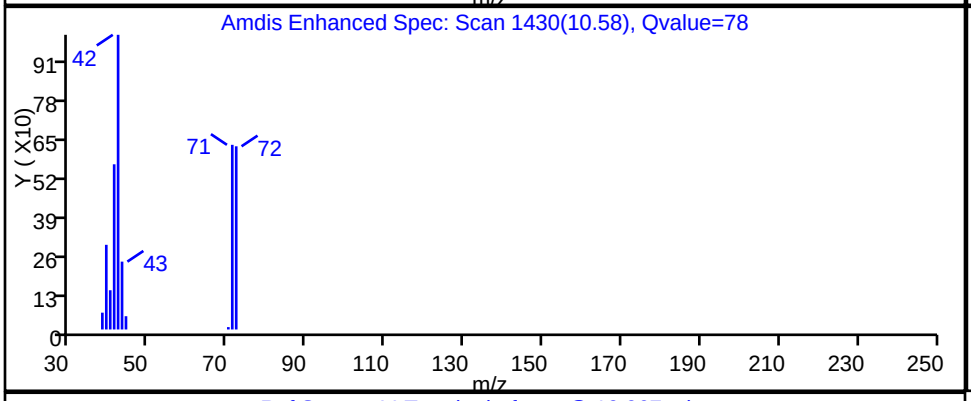
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

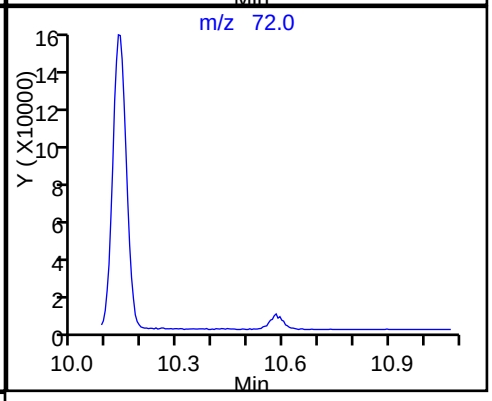
Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12
Client ID:	SS-VMP-3D		
Operator ID:	bl	ALS Bottle#:	19 Worklist Smp#: 22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

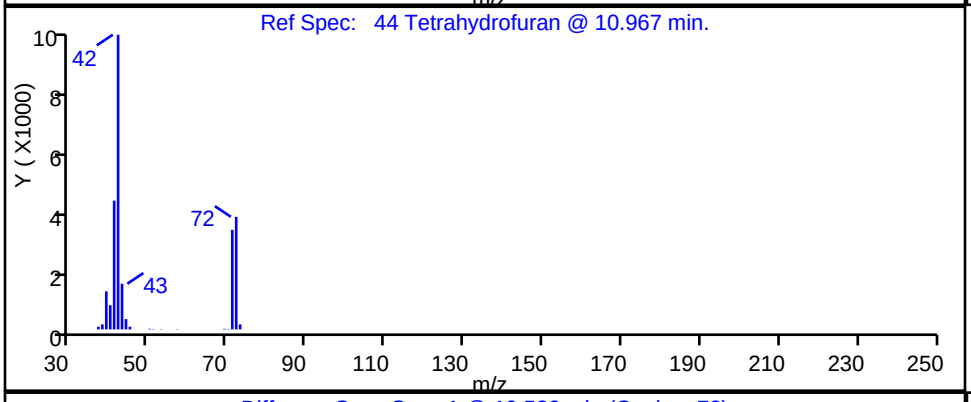
44 Tetrahydrofuran, CAS: 109-99-9

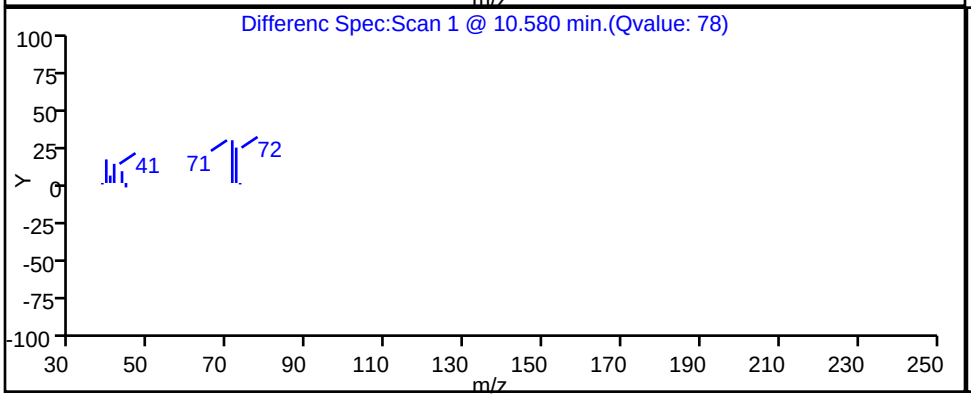


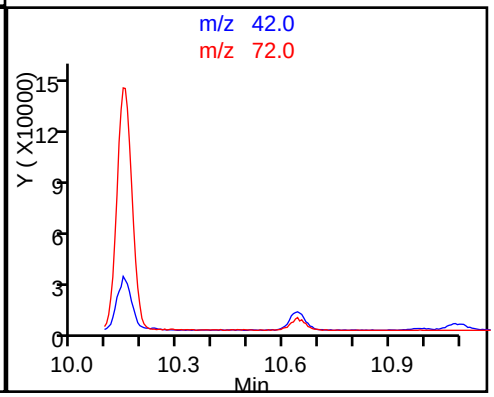












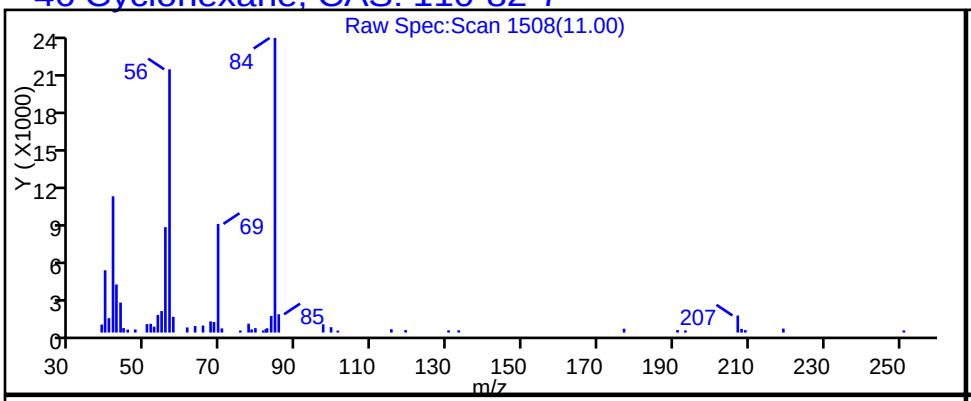
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

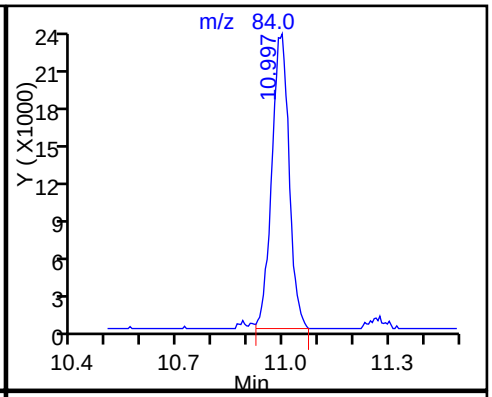
TestAmerica Burlington

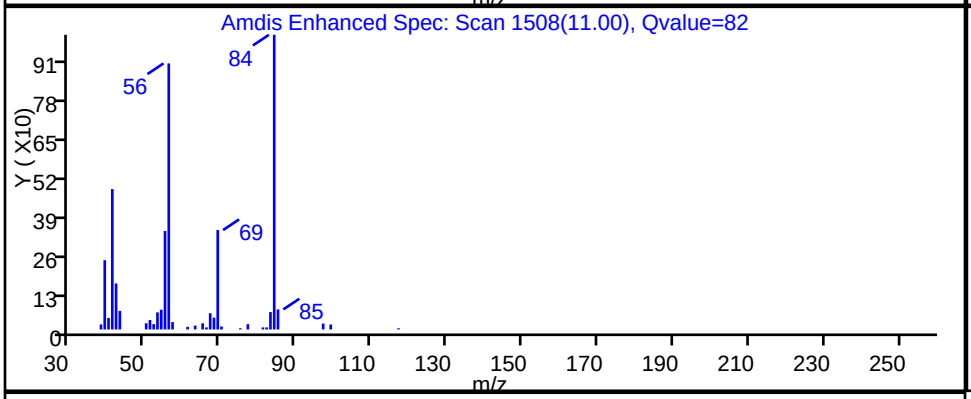
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

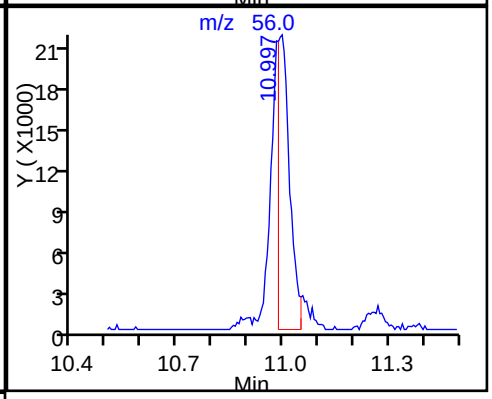
Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

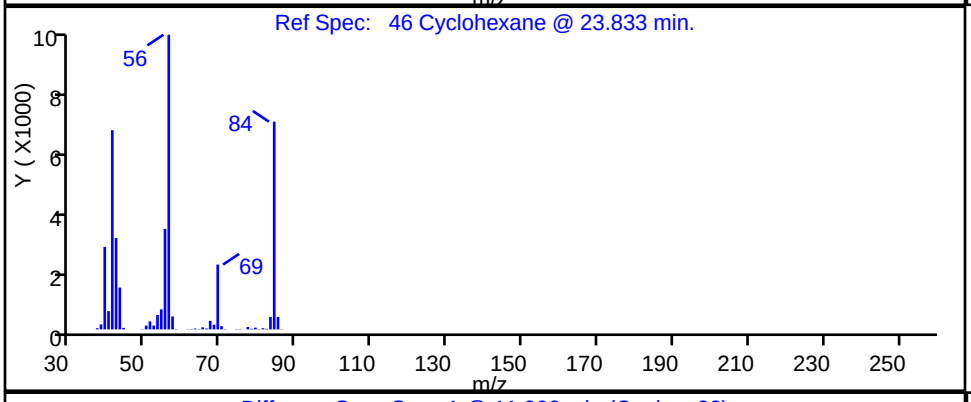
46 Cyclohexane, CAS: 110-82-7

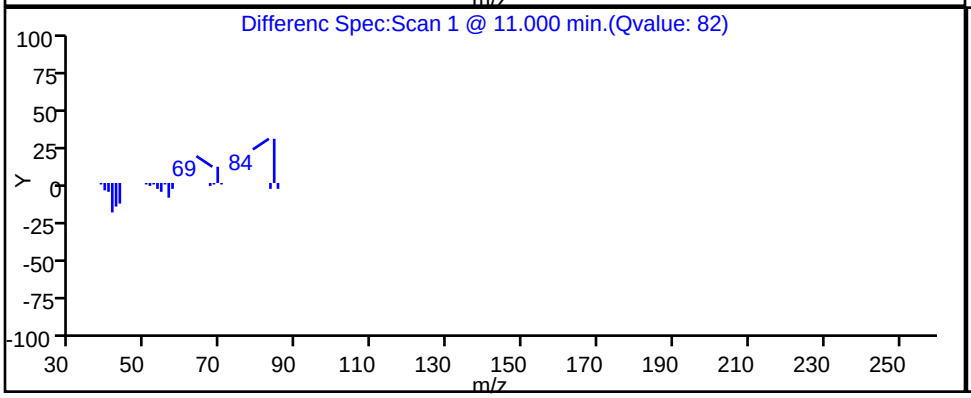


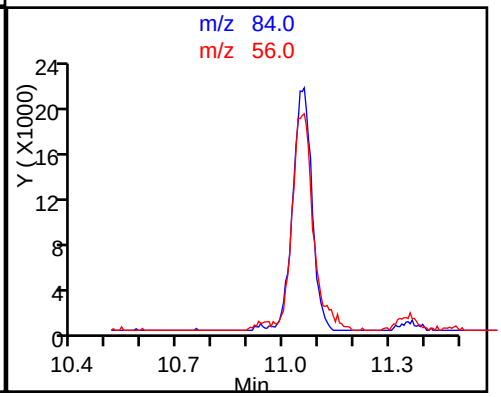












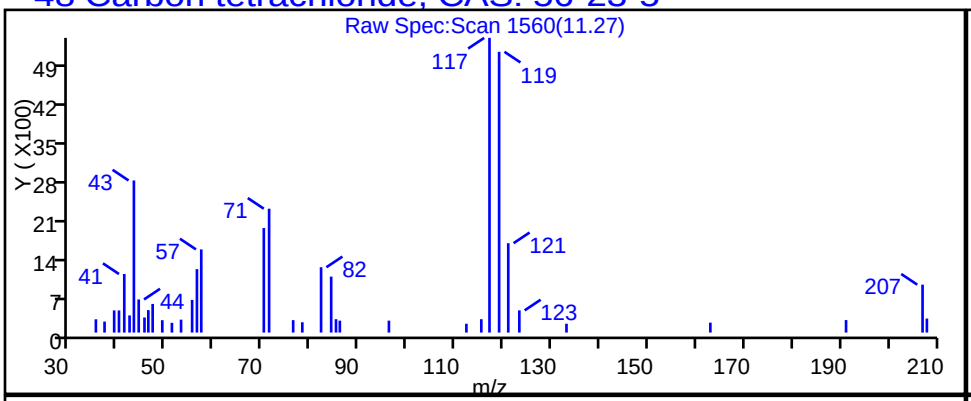
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

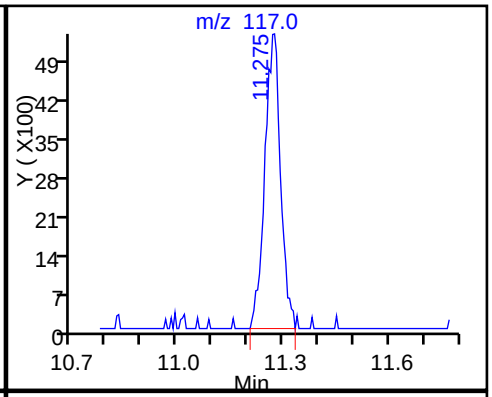
TestAmerica Burlington

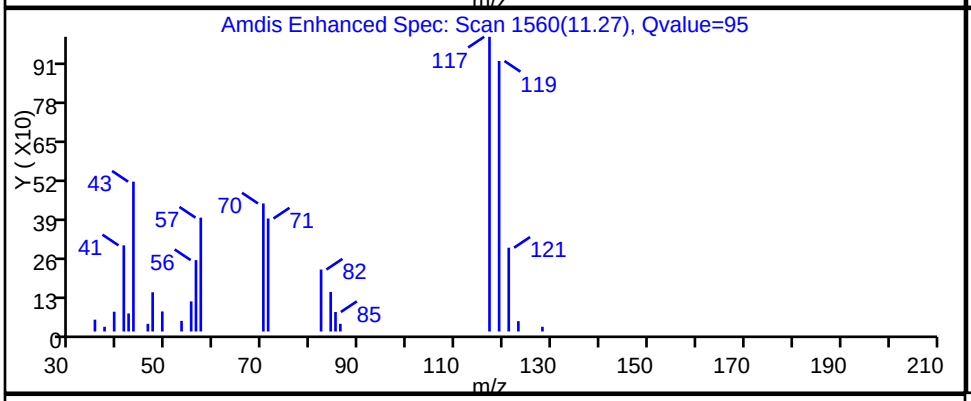
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

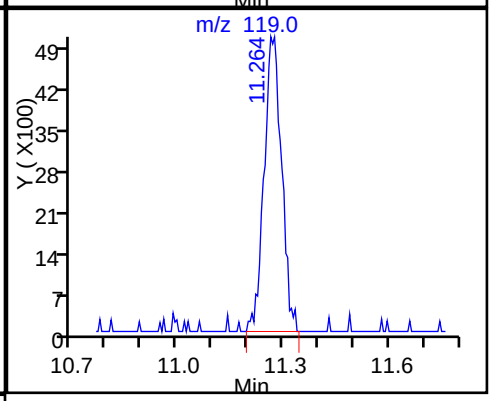
Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

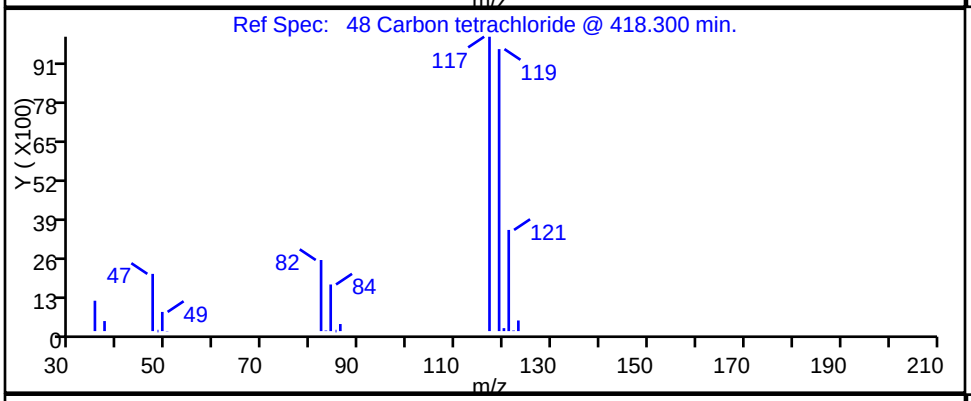
48 Carbon tetrachloride, CAS: 56-23-5

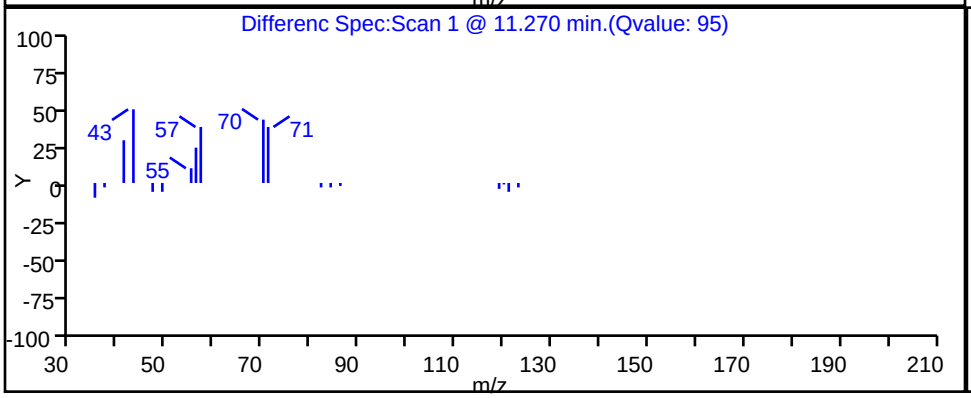


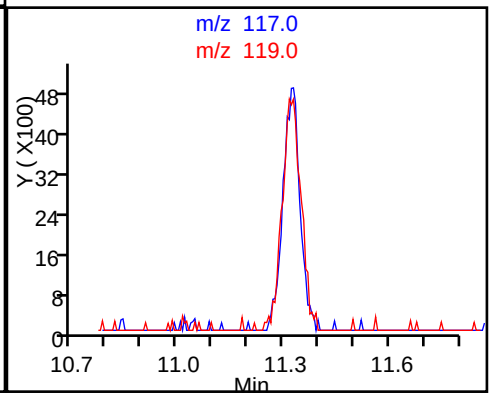












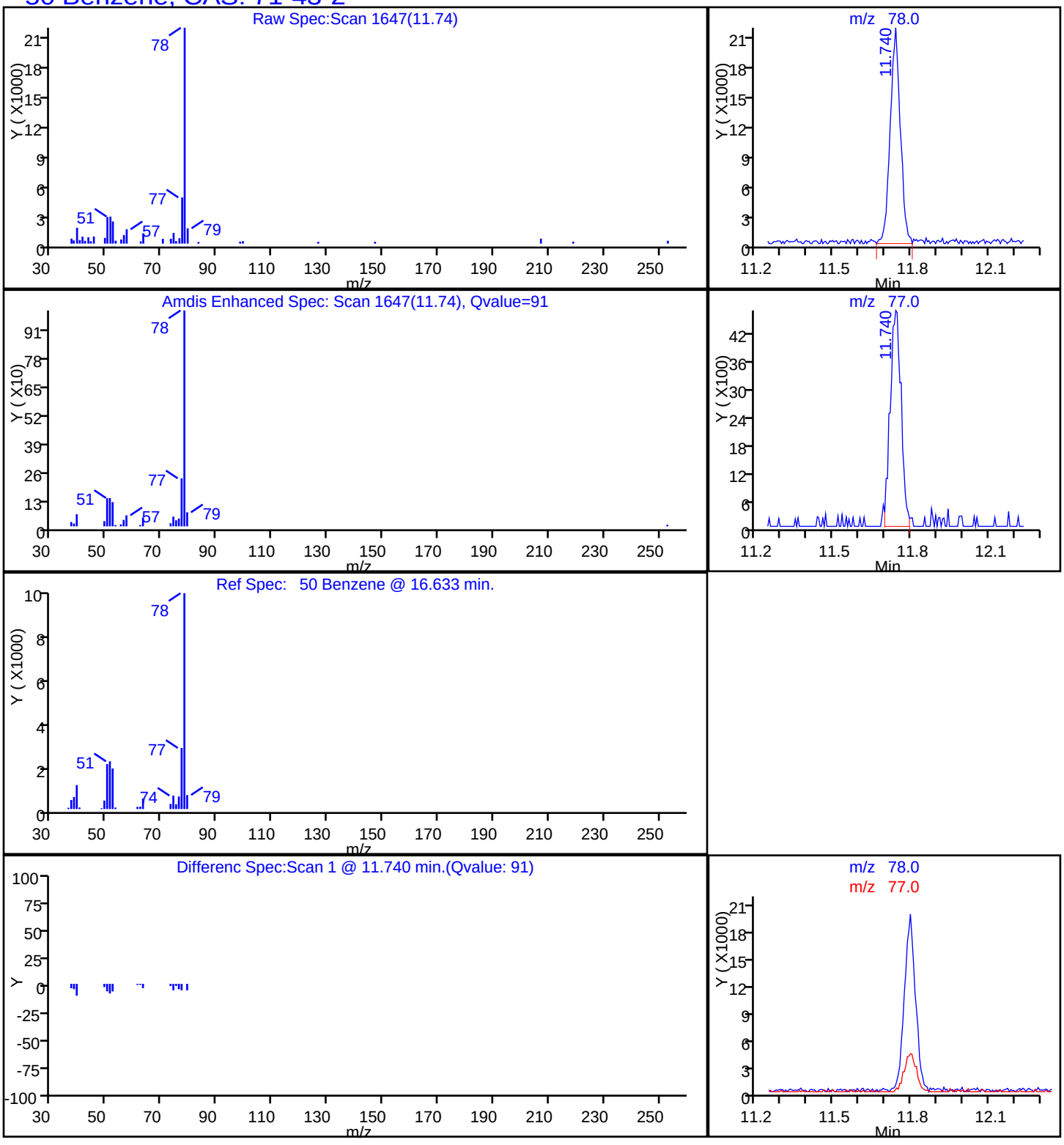
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



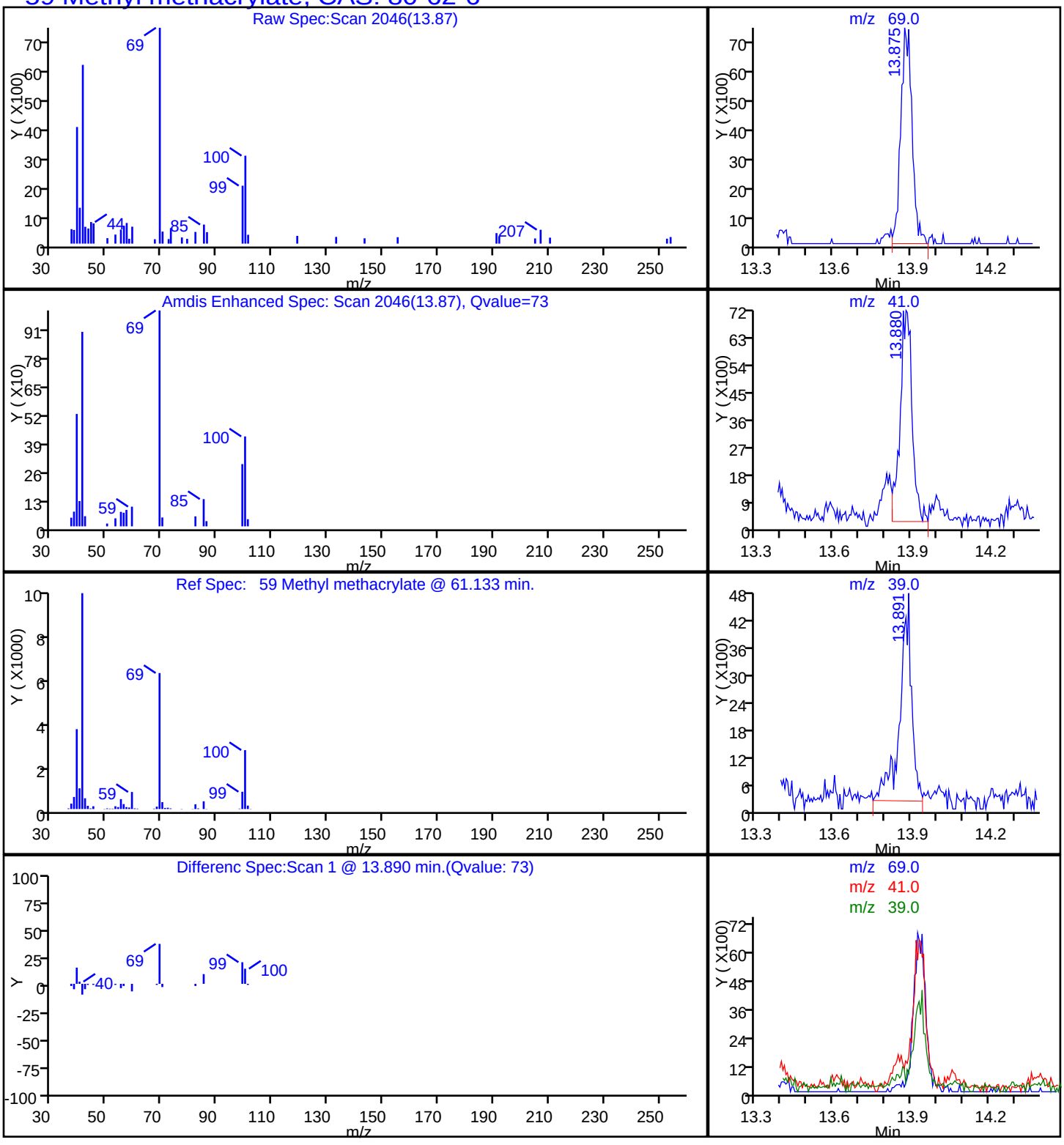
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

59 Methyl methacrylate, CAS: 80-62-6



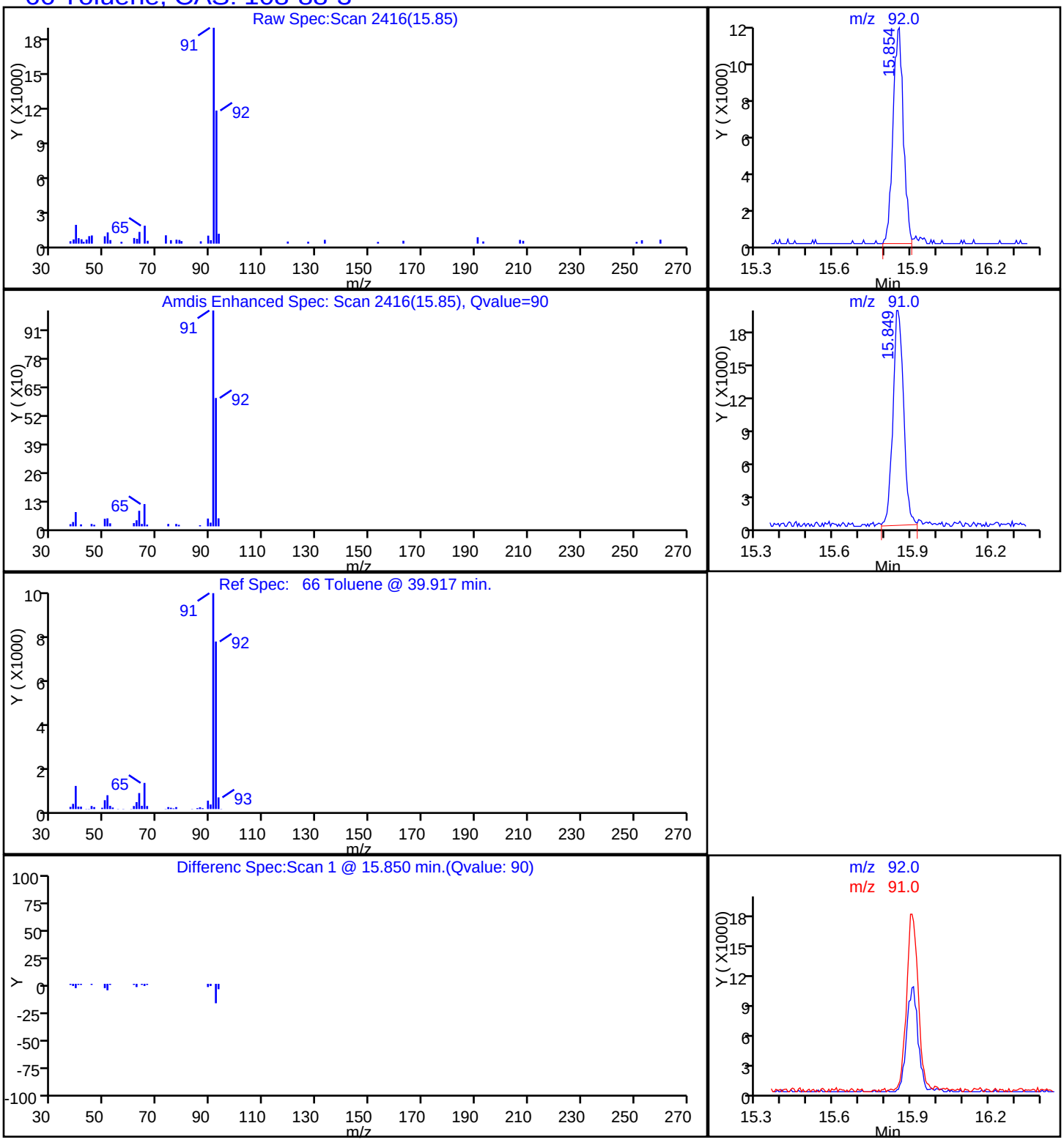
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



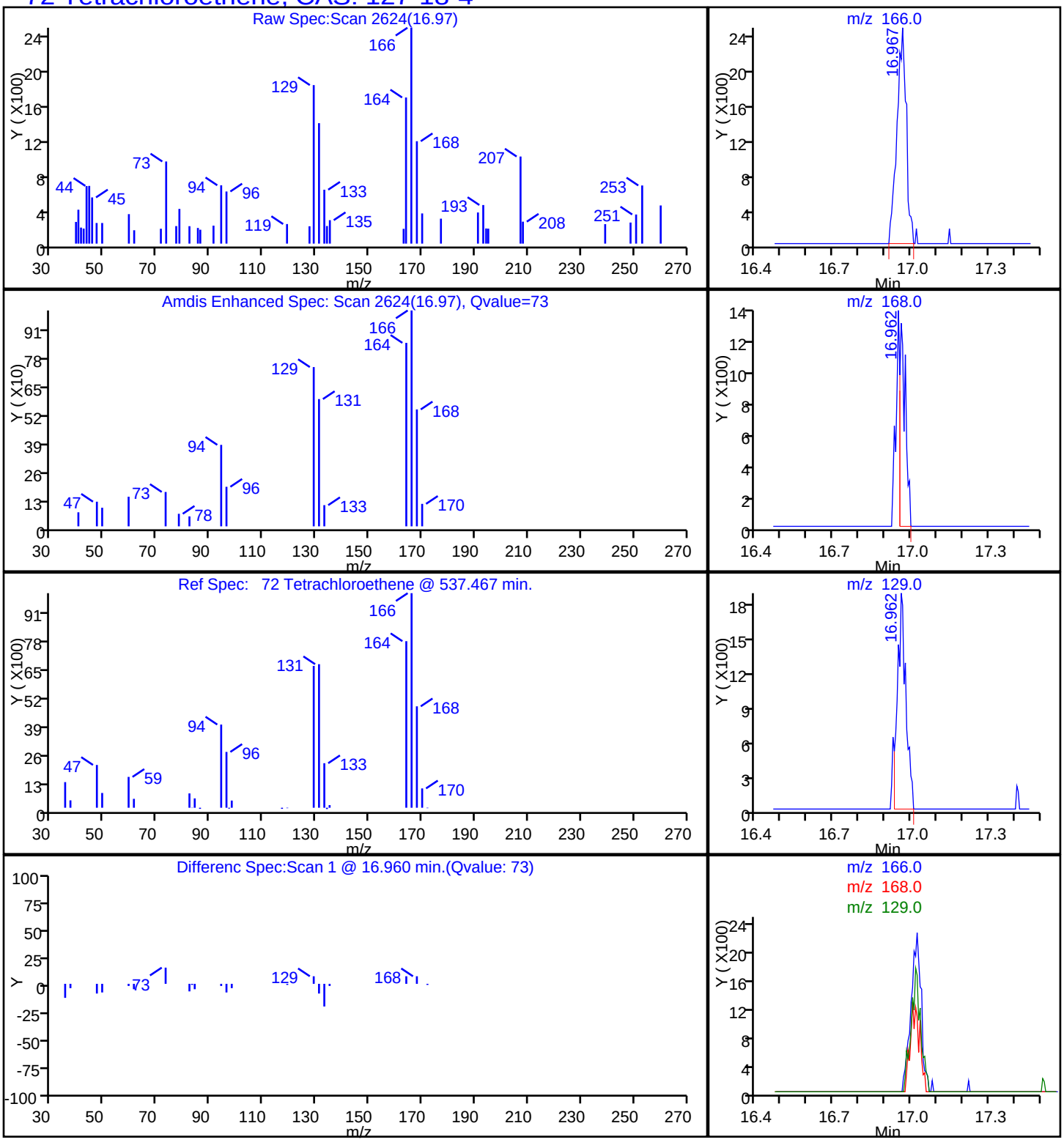
Report Date: 24-Feb-2014 11:38:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_022.D

Injection Date:	22-Feb-2014 03:51:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-12	Lab Sample ID:	200-20955-12		
Client ID:	SS-VMP-3D				
Operator ID:	bl	ALS Bottle#:	19	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-5B Lab Sample ID: 200-20955-14

Matrix: Air Lab File ID: 6267_024.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:13

Sample wt/vol: 29(mL) Date Analyzed: 02/22/2014 05:25

Soil Aliquot Vol: Dilution Factor: 6.9

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	3.5	U	3.5	0.21
75-45-6	Freon 22	86.47	3.5	U	3.5	0.33
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	3.5	U	3.5	0.94
106-97-8	n-Butane	58.12	3.5	U	3.5	1.9
75-01-4	Vinyl chloride	62.50	0.28	U	0.28	0.26
106-99-0	1,3-Butadiene	54.09	1.4	U	1.4	0.29
74-83-9	Bromomethane	94.94	1.4	U	1.4	0.19
75-00-3	Chloroethane	64.52	3.5	U	3.5	0.21
593-60-2	Vinyl bromide	106.96	1.4	U	1.4	0.21
75-69-4	Freon 11	137.37	1.4	U	1.4	0.21
76-13-1	Freon 113	187.38	1.4	U	1.4	0.12
75-35-4	1,1-Dichloroethene	96.94	1.4	U	1.4	0.17
67-64-1	Acetone	58.08	35	U	35	8.6
67-63-0	Isopropyl alcohol	60.10	390	E	35	1.5
75-15-0	Carbon disulfide	76.14	3.5	U	3.5	0.46
107-05-1	Allyl chloride	76.53	3.5	U	3.5	0.23
75-09-2	Methylene Chloride	84.93	87		3.5	0.86
75-65-0	tert-Butyl alcohol	74.12	35	U	35	2.3
1634-04-4	Methyl tert-butyl ether	88.15	1.4	U	1.4	0.15
156-60-5	trans-1,2-Dichloroethene	96.94	1.4	U	1.4	0.20
110-54-3	Hexane	86.17	1.4	U	1.4	0.23
75-34-3	1,1-Dichloroethane	98.96	1.4	U	1.4	0.26
78-93-3	Methyl Ethyl Ketone	72.11	7.6		3.5	1.7
156-59-2	cis-1,2-Dichloroethene	96.94	1.4	U	1.4	0.26
540-59-0	1,2-Dichloroethene, Total	96.94	1.4	U	1.4	0.44
67-66-3	Chloroform	119.38	1.4	U	1.4	0.17
109-99-9	Tetrahydrofuran	72.11	1.2	J	35	0.32
71-55-6	1,1,1-Trichloroethane	133.41	1.4	U	1.4	0.14
110-82-7	Cyclohexane	84.16	0.86	J	1.4	0.17
56-23-5	Carbon tetrachloride	153.81	0.28	U	0.28	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	1.4	U	1.4	0.19
71-43-2	Benzene	78.11	0.31	J	1.4	0.13
107-06-2	1,2-Dichloroethane	98.96	1.4	U	1.4	0.12
142-82-5	Heptane	100.21	1.4	U	1.4	0.32

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-5B Lab Sample ID: 200-20955-14

Matrix: Air Lab File ID: 6267_024.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:13

Sample wt/vol: 29(mL) Date Analyzed: 02/22/2014 05:25

Soil Aliquot Vol: Dilution Factor: 6.9

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.28	U	0.28	0.17
80-62-6	Methyl methacrylate	100.12	3.5	U	3.5	0.21
78-87-5	1,2-Dichloropropane	112.99	1.4	U	1.4	0.22
123-91-1	1,4-Dioxane	88.11	35	U	35	1.4
75-27-4	Bromodichloromethane	163.83	1.4	U	1.4	0.12
10061-01-5	cis-1,3-Dichloropropene	110.97	1.4	U	1.4	0.19
108-10-1	methyl isobutyl ketone	100.16	3.5	U	3.5	0.19
108-88-3	Toluene	92.14	0.84	J	1.4	0.12
10061-02-6	trans-1,3-Dichloropropene	110.97	1.4	U	1.4	0.15
79-00-5	1,1,2-Trichloroethane	133.41	1.4	U	1.4	0.12
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	3.5	U	3.5	1.4
124-48-1	Dibromochloromethane	208.29	1.4	U	1.4	0.14
106-93-4	1,2-Dibromoethane	187.87	1.4	U	1.4	0.14
108-90-7	Chlorobenzene	112.56	1.4	U	1.4	0.056
100-41-4	Ethylbenzene	106.17	1.4	U	1.4	0.090
179601-23-1	m,p-Xylene	106.17	3.5	U	3.5	0.16
95-47-6	Xylene, o-	106.17	1.4	U	1.4	0.11
1330-20-7	Xylene (total)	106.17	1.4	U	1.4	0.23
100-42-5	Styrene	104.15	1.4	U	1.4	0.12
75-25-2	Bromoform	252.75	1.4	U	1.4	0.069
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	1.4	U	1.4	0.55
622-96-8	4-Ethyltoluene	120.20	1.4	U	1.4	0.12
108-67-8	1,3,5-Trimethylbenzene	120.20	1.4	U	1.4	0.083
95-49-8	2-Chlorotoluene	126.59	1.4	U	1.4	0.090
98-06-6	tert-Butylbenzene	134.22	1.4	U	1.4	0.12
95-63-6	1,2,4-Trimethylbenzene	120.20	1.4	U	1.4	0.097
135-98-8	sec-Butylbenzene	134.22	1.4	U	1.4	0.55
99-87-6	4-Isopropyltoluene	134.22	1.4	U	1.4	0.55
541-73-1	1,3-Dichlorobenzene	147.00	0.37	J	1.4	0.097
106-46-7	1,4-Dichlorobenzene	147.00	1.4	U	1.4	0.097
100-44-7	Benzyl chloride	126.58	1.4	U	1.4	0.55
104-51-8	n-Butylbenzene	134.22	1.4	U	1.4	0.55

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-5B Lab Sample ID: 200-20955-14

Matrix: Air Lab File ID: 6267_024.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:13

Sample wt/vol: 29(mL) Date Analyzed: 02/22/2014 05:25

Soil Aliquot Vol: Dilution Factor: 6.9

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.4	U	1.4	0.097
120-82-1	1,2,4-Trichlorobenzene	181.45	3.5	U	3.5	0.19
87-68-3	Hexachloro-1,3-butadiene	260.76	1.4	U	1.4	0.15
91-20-3	Naphthalene	128.17	3.5	U	3.5	1.4

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% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	17	U	17	1.0
75-45-6	Freon 22	86.47	12	U	12	1.2
76-14-2	Freon-114	170.92	9.6	U	9.6	1.7
74-87-3	Chloromethane	50.49	7.1	U	7.1	1.9
106-97-8	n-Butane	58.12	8.2	U	8.2	4.6
75-01-4	Vinyl chloride	62.50	0.71	U	0.71	0.67
106-99-0	1,3-Butadiene	54.09	3.1	U	3.1	0.64
74-83-9	Bromomethane	94.94	5.4	U	5.4	0.75
75-00-3	Chloroethane	64.52	9.1	U	9.1	0.55
593-60-2	Vinyl bromide	106.96	6.0	U	6.0	0.91
75-69-4	Freon 11	137.37	7.8	U	7.8	1.2
76-13-1	Freon 113	187.38	11	U	11	0.95
75-35-4	1,1-Dichloroethene	96.94	5.5	U	5.5	0.66
67-64-1	Acetone	58.08	82	U	82	21
67-63-0	Isopropyl alcohol	60.10	970	E	85	3.6
75-15-0	Carbon disulfide	76.14	11	U	11	1.4
107-05-1	Allyl chloride	76.53	11	U	11	0.73
75-09-2	Methylene Chloride	84.93	300		12	3.0
75-65-0	tert-Butyl alcohol	74.12	100	U	100	6.9
1634-04-4	Methyl tert-butyl ether	88.15	5.0	U	5.0	0.55
156-60-5	trans-1,2-Dichloroethene	96.94	5.5	U	5.5	0.79
110-54-3	Hexane	86.17	4.9	U	4.9	0.83
75-34-3	1,1-Dichloroethane	98.96	5.6	U	5.6	1.1
78-93-3	Methyl Ethyl Ketone	72.11	22		10	4.9
156-59-2	cis-1,2-Dichloroethene	96.94	5.5	U	5.5	1.0
540-59-0	1,2-Dichloroethene, Total	96.94	5.5	U	5.5	1.8
67-66-3	Chloroform	119.38	6.7	U	6.7	0.84
109-99-9	Tetrahydrofuran	72.11	3.6	J	100	0.94
71-55-6	1,1,1-Trichloroethane	133.41	7.5	U	7.5	0.79
110-82-7	Cyclohexane	84.16	2.9	J	4.8	0.59
56-23-5	Carbon tetrachloride	153.81	1.7	U	1.7	0.91
540-84-1	2,2,4-Trimethylpentane	114.23	6.4	U	6.4	0.87
71-43-2	Benzene	78.11	1.0	J	4.4	0.42
107-06-2	1,2-Dichloroethane	98.96	5.6	U	5.6	0.47
142-82-5	Heptane	100.21	5.7	U	5.7	1.3

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Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

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Sample wt/vol: 29(mL) Date Analyzed: 02/22/2014 05:25

Soil Aliquot Vol: Dilution Factor: 6.9

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.5	U	1.5	0.89
80-62-6	Methyl methacrylate	100.12	14	U	14	0.85
78-87-5	1,2-Dichloropropane	112.99	6.4	U	6.4	1.0
123-91-1	1,4-Dioxane	88.11	120	U	120	5.0
75-27-4	Bromodichloromethane	163.83	9.2	U	9.2	0.79
10061-01-5	cis-1,3-Dichloropropene	110.97	6.3	U	6.3	0.88
108-10-1	methyl isobutyl ketone	100.16	14	U	14	0.76
108-88-3	Toluene	92.14	3.2	J	5.2	0.44
10061-02-6	trans-1,3-Dichloropropene	110.97	6.3	U	6.3	0.69
79-00-5	1,1,2-Trichloroethane	133.41	7.5	U	7.5	0.64
127-18-4	Tetrachloroethene	165.83	9.4	U	9.4	0.75
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	14	U	14	5.7
124-48-1	Dibromochloromethane	208.29	12	U	12	1.2
106-93-4	1,2-Dibromoethane	187.87	11	U	11	1.1
108-90-7	Chlorobenzene	112.56	6.4	U	6.4	0.26
100-41-4	Ethylbenzene	106.17	6.0	U	6.0	0.39
179601-23-1	m,p-Xylene	106.17	15	U	15	0.69
95-47-6	Xylene, o-	106.17	6.0	U	6.0	0.48
1330-20-7	Xylene (total)	106.17	6.0	U	6.0	1.0
100-42-5	Styrene	104.15	5.9	U	5.9	0.53
75-25-2	Bromoform	252.75	14	U	14	0.71
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.5	U	9.5	0.76
103-65-1	n-Propylbenzene	120.19	6.8	U	6.8	2.7
622-96-8	4-Ethyltoluene	120.20	6.8	U	6.8	0.61
108-67-8	1,3,5-Trimethylbenzene	120.20	6.8	U	6.8	0.41
95-49-8	2-Chlorotoluene	126.59	7.1	U	7.1	0.46
98-06-6	tert-Butylbenzene	134.22	7.6	U	7.6	0.64
95-63-6	1,2,4-Trimethylbenzene	120.20	6.8	U	6.8	0.47
135-98-8	sec-Butylbenzene	134.22	7.6	U	7.6	3.0
99-87-6	4-Isopropyltoluene	134.22	7.6	U	7.6	3.0
541-73-1	1,3-Dichlorobenzene	147.00	2.2	J	8.3	0.58
106-46-7	1,4-Dichlorobenzene	147.00	8.3	U	8.3	0.58
100-44-7	Benzyl chloride	126.58	7.1	U	7.1	2.9
104-51-8	n-Butylbenzene	134.22	7.6	U	7.6	3.0

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CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
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120-82-1	1,2,4-Trichlorobenzene	181.45	26	U	26	1.4
87-68-3	Hexachloro-1,3-butadiene	260.76	15	U	15	1.6
91-20-3	Naphthalene	128.17	18	U	18	7.2

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_024.D
Lims ID: 200-20955-A-14 Lab Sample ID: 200-20955-14
Client ID: SS-VMP-5B
Sample Type: Client
Inject. Date: 22-Feb-2014 05:25:30 ALS Bottle#: 21 Worklist Smp#: 24
Purge Vol: 200.000 mL Dil. Factor: 6.9000
Sample Info: 200-0006267-024
Misc. Info.: 20955-14
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:38:08 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: lyonsb Date: 24-Feb-2014 10:49:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		3.127					
6 Chlorodifluoromethane	51		3.181					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.405					
8 Chloromethane	50		3.539					
9 Butane	43		3.758					
10 Vinyl chloride	62		3.796					
11 Butadiene	54		3.876					
12 Bromomethane	94		4.577					
14 Chloroethane	64		4.828					
16 Vinyl bromide	106		5.229					
17 Trichlorofluoromethane	101		5.347					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.476					
24 1,1-Dichloroethene	96		6.497					
25 Acetone	43		6.717					
26 Carbon disulfide	76		6.883					
27 Isopropyl alcohol	45	7.043	7.038	0.005	98	2695161	56.9	E
29 3-Chloro-1-propene	41		7.300					
31 Methylene Chloride	49	7.594	7.599	-0.005	81	596653	12.6	
32 2-Methyl-2-propanol	59		7.835					
33 Methyl tert-butyl ether	73		8.038					
34 trans-1,2-Dichloroethene	61		8.059					
36 Hexane	57		8.493					
37 1,1-Dichloroethane	63		8.947					
39 cis-1,2-Dichloroethene	96		10.087					
40 2-Butanone (MEK)	72	10.135	10.135	0.0	98	31879	1.09	
S 41 1,2-Dichloroethene, Total	61		10.200					
* 43 Chlorobromomethane	128	10.558	10.563	-0.005	68	667833	10.0	
44 Tetrahydrofuran	42	10.579	10.579	0.0	45	8114	0.1790	
45 Chloroform	83		10.702					
46 Cyclohexane	84	10.996	10.991	0.005	73	11809	0.1241	
47 1,1,1-Trichloroethane	97		11.002					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	48 Carbon tetrachloride	117		11.269						
	50 Benzene	78	11.740	11.740	0.0	73	11595		0.0456	
	51 Isooctane	57		11.761						
	52 1,2-Dichloroethane	62		11.911						
	53 n-Heptane	43		12.168						
*	54 1,4-Difluorobenzene	114	12.617	12.623	-0.006	91	3811706		10.0	
	56 Trichloroethene	95		13.110						
	58 1,2-Dichloropropane	63		13.682						
	59 Methyl methacrylate	69		13.880						
	60 1,4-Dioxane	88		13.917						
	62 Dichlorobromomethane	83		14.249						
	64 cis-1,3-Dichloropropene	75		15.228						
	65 4-Methyl-2-pentanone (MIBK)	43		15.528						
	66 Toluene	92	15.854	15.849	0.005	93	32528		0.1223	
	70 trans-1,3-Dichloropropene	75		16.437						
	71 1,1,2-Trichloroethane	83		16.812						
	72 Tetrachloroethene	166		16.961						
	73 2-Hexanone	43		17.282						
	74 Chlorodibromomethane	129		17.587						
	75 Ethylene Dibromide	107		17.860						
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	81	3629723		10.0	
	77 Chlorobenzene	112		18.844						
	78 Ethylbenzene	91		19.016						
	80 m-Xylene & p-Xylene	106		19.272						
S	82 Xylenes, Total	106		20.100						
	83 o-Xylene	106		20.102						
	84 Styrene	104		20.144						
	85 Bromoform	173		20.530						
$	87 4-Bromofluorobenzene	95	21.107	21.107	0.0	98	1759870		NC	
	88 1,1,2,2-Tetrachloroethane	83		21.364						
	90 N-Propylbenzene	91		21.471						
	92 2-Chlorotoluene	91		21.653						
	91 4-Ethyltoluene	105		21.653						
	94 1,3,5-Trimethylbenzene	105		21.760						
	96 tert-Butylbenzene	119		22.242						
	97 1,2,4-Trimethylbenzene	105		22.332						
	98 sec-Butylbenzene	105		22.562						
	99 4-Isopropyltoluene	119		22.760						
	100 1,3-Dichlorobenzene	146	22.771	22.776	-0.005	90	17142		0.0529	
	101 1,4-Dichlorobenzene	146		22.910						
	102 Benzyl chloride	91		23.103						
	103 n-Butylbenzene	91		23.338						
	105 1,2-Dichlorobenzene	146		23.451						
	107 1,2,4-Trichlorobenzene	180		26.013						
	108 Hexachlorobutadiene	225		26.227						
	109 Naphthalene	128		26.505						

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

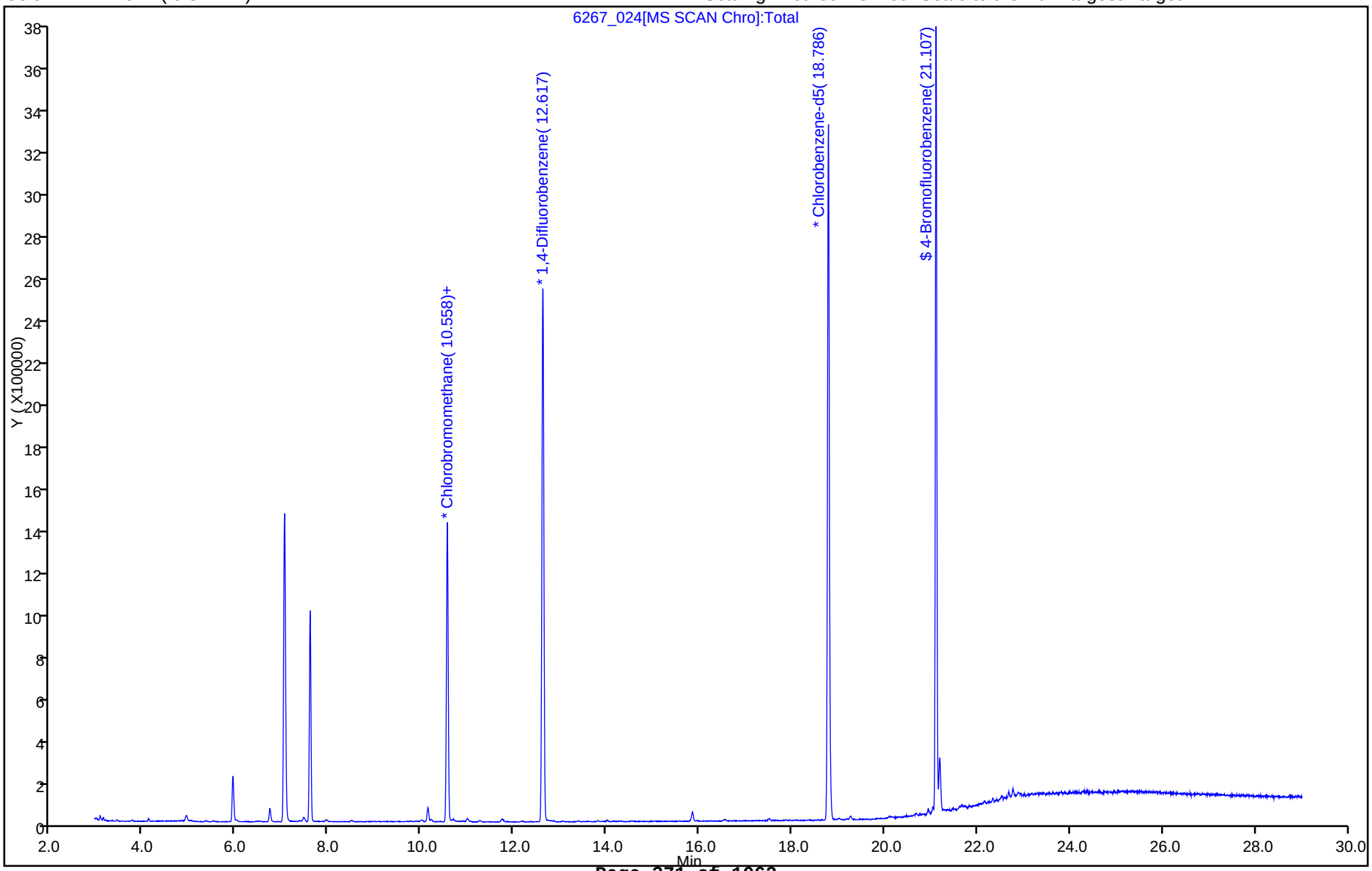
Report Date: 24-Feb-2014 11:38:46 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_024.D

Injection Date:	22-Feb-2014 05:25:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	200-20955-A-14	Lab Sample ID:	200-20955-14	Worklist Smp#:	24
Client ID:	SS-VMP-5B				
Purge Vol:	200.000 mL	Dil. Factor:	6.9000	ALS Bottle#:	21
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 24-Feb-2014 11:38:46 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

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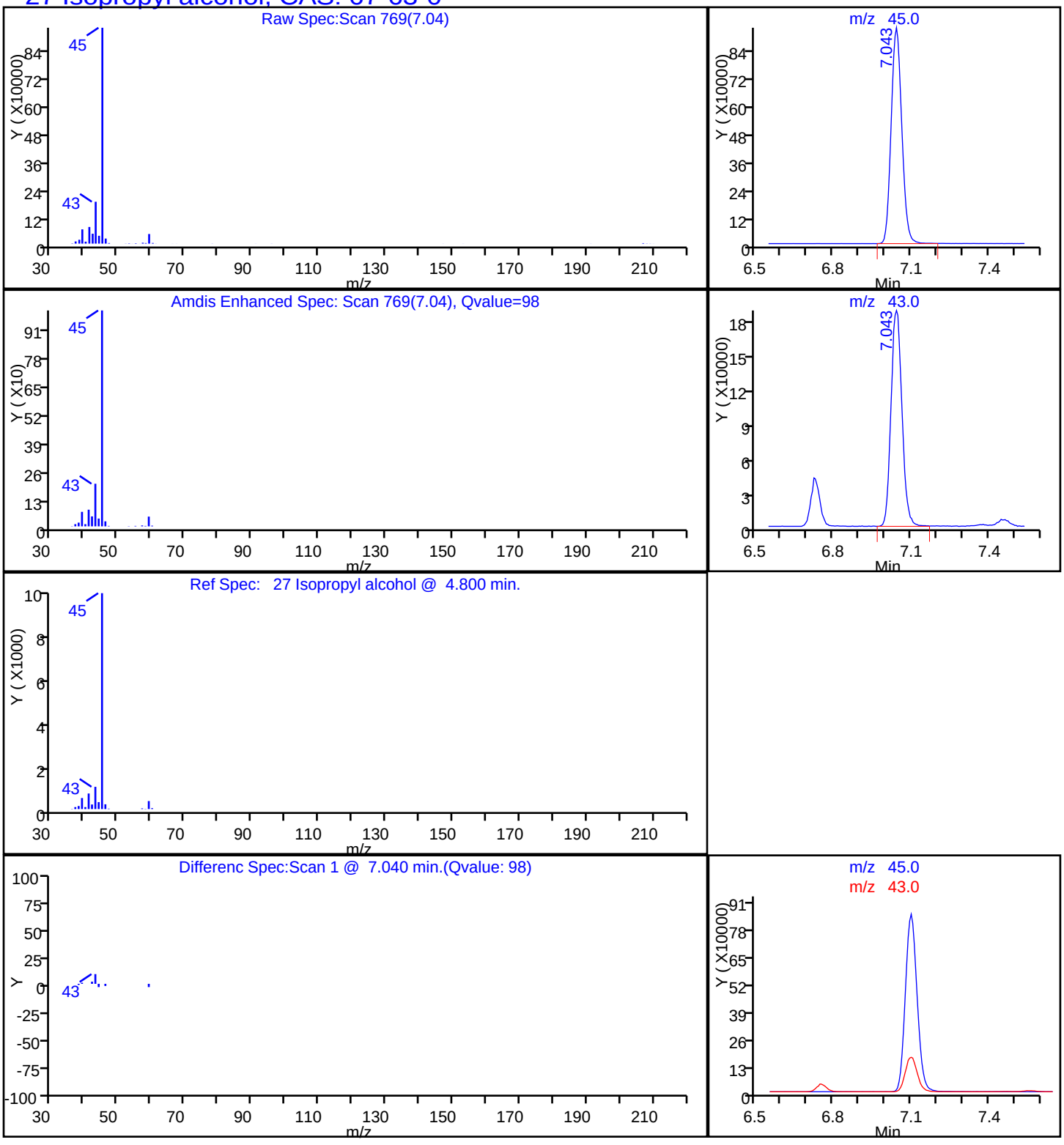
Lims ID:	200-20955-A-14	Lab Sample ID:	200-20955-14		
Client ID:	SS-VMP-5B				
Operator ID:	bl	ALS Bottle#:	21	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



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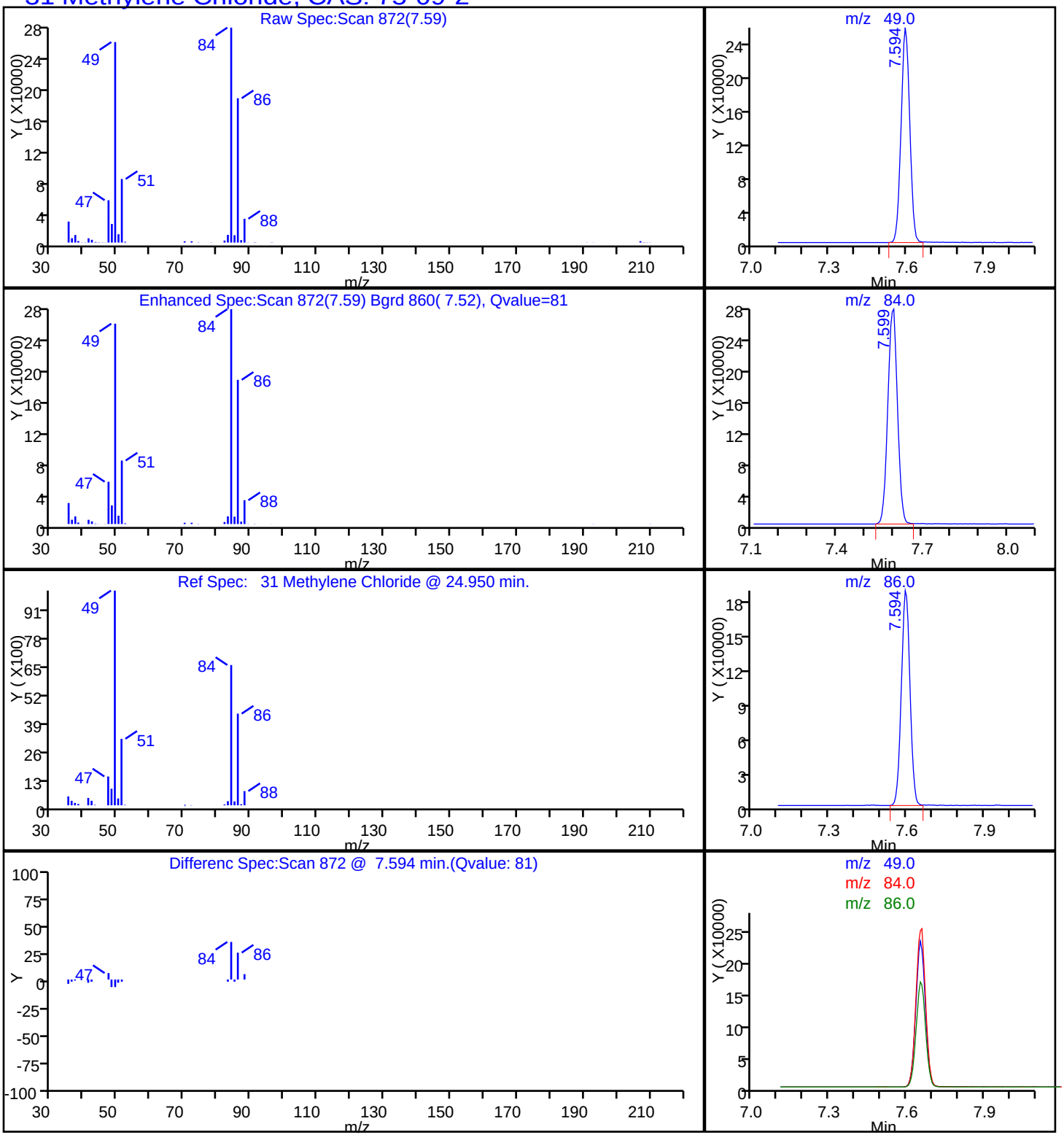
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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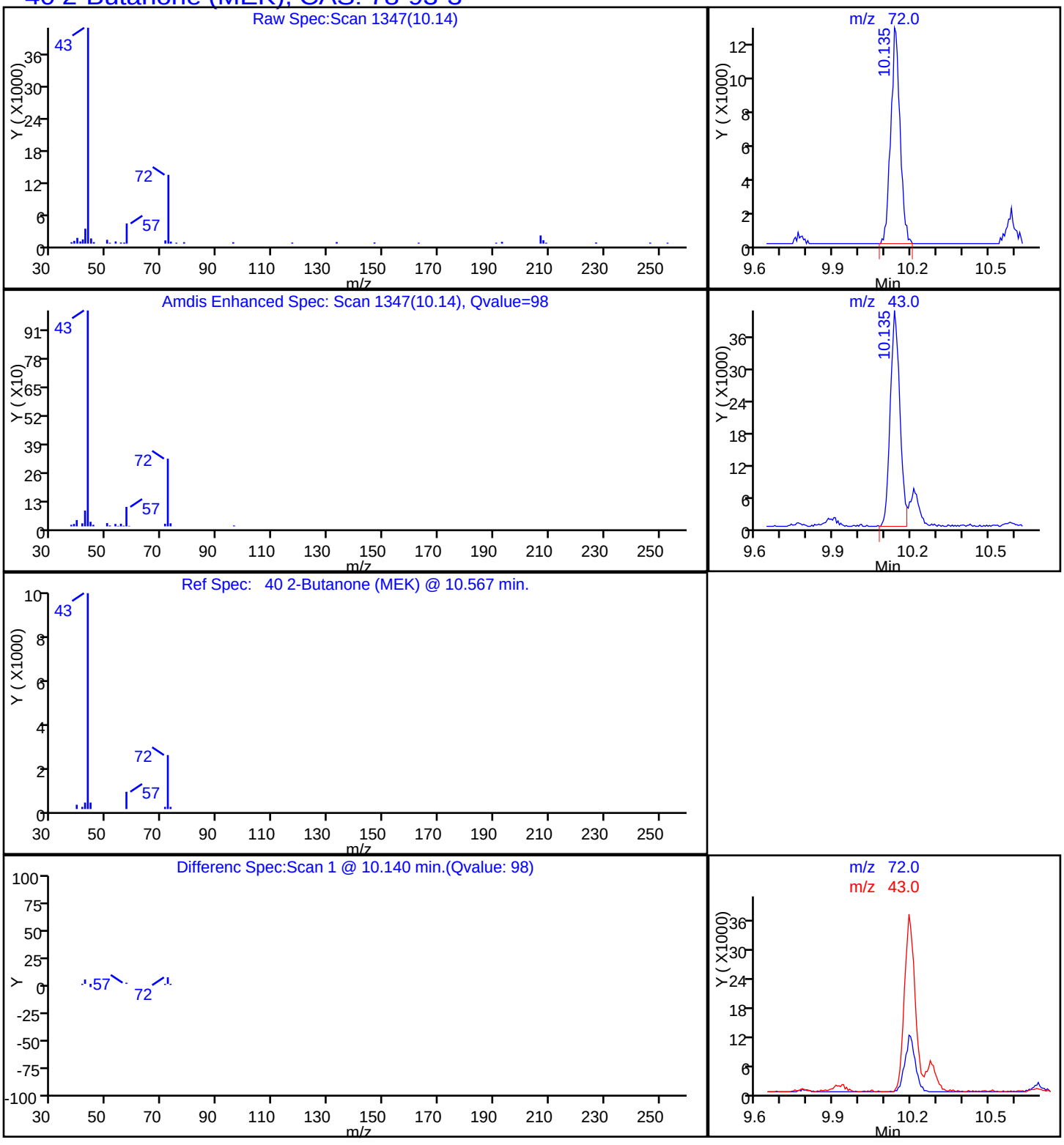
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3



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TestAmerica Burlington

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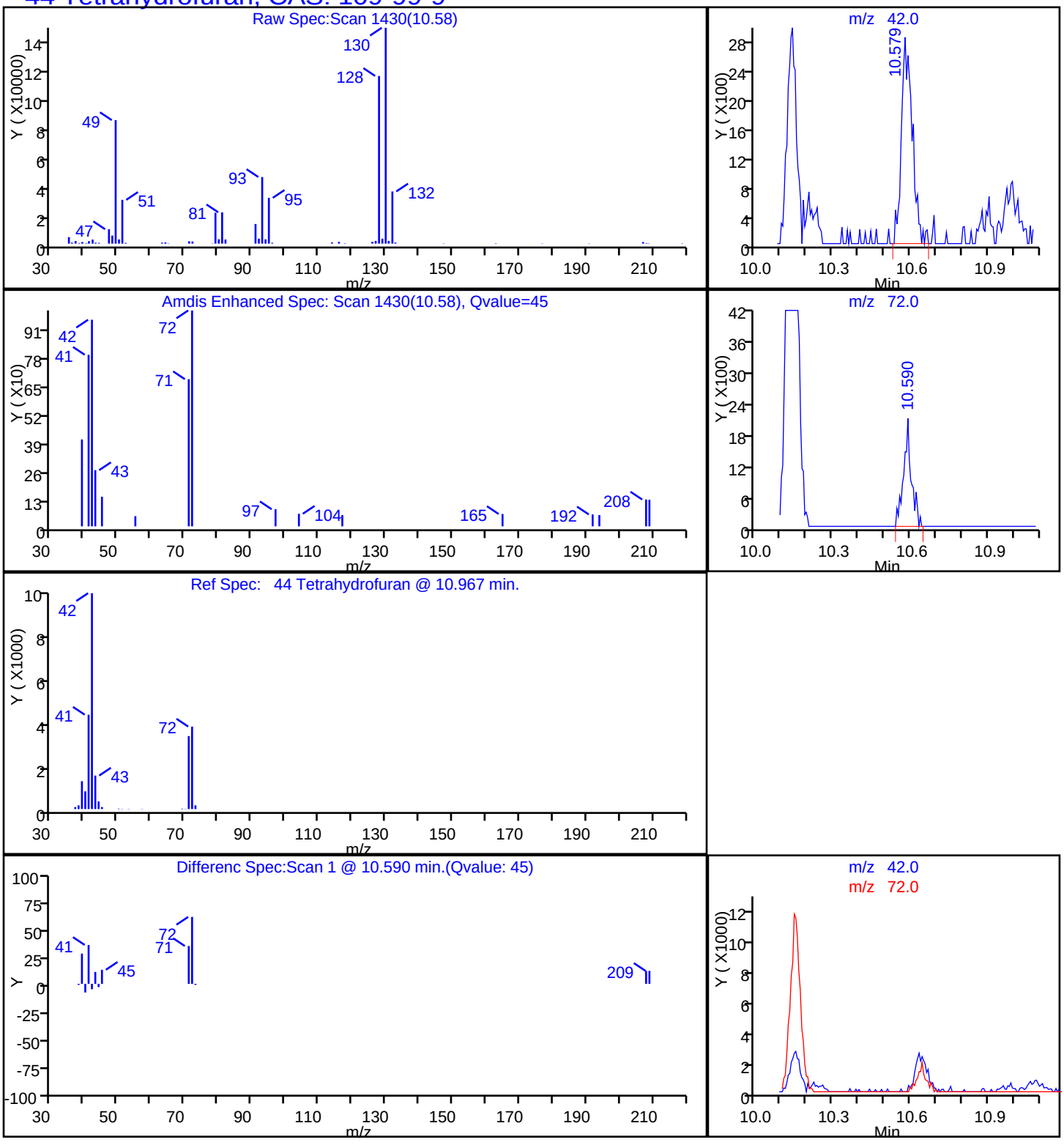
Operator ID:	bl	ALS Bottle#:	21 Worklist Smp#: 24
Purge Vol:	200.000 mL	Dil. Factor:	6.9000
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

44 Tetrahydrofuran, CAS: 109-99-9



Report Date: 24-Feb-2014 11:38:46 Chrom Revision: 2.2 06-Feb-2014 15:19:06

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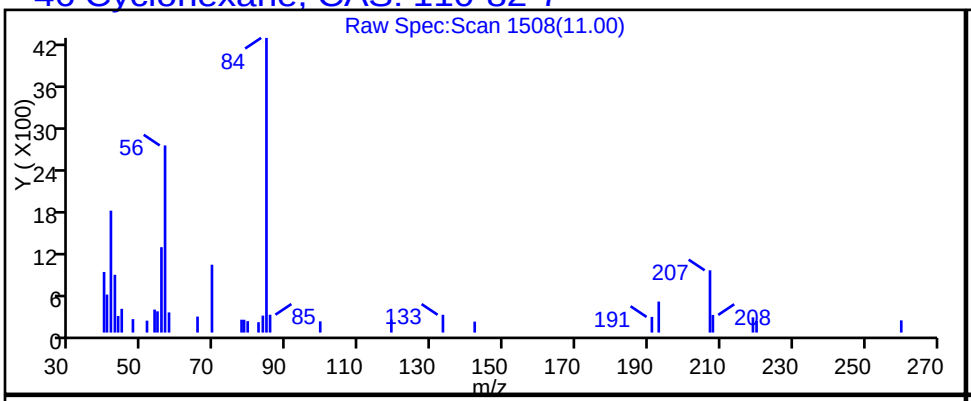
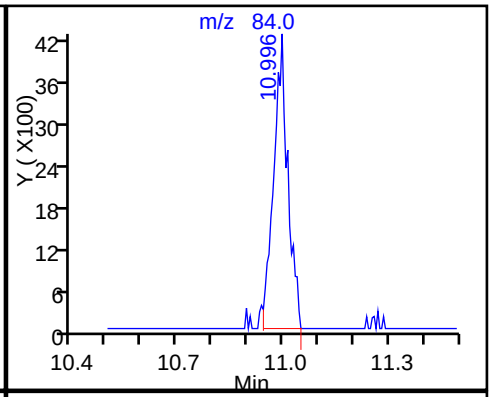
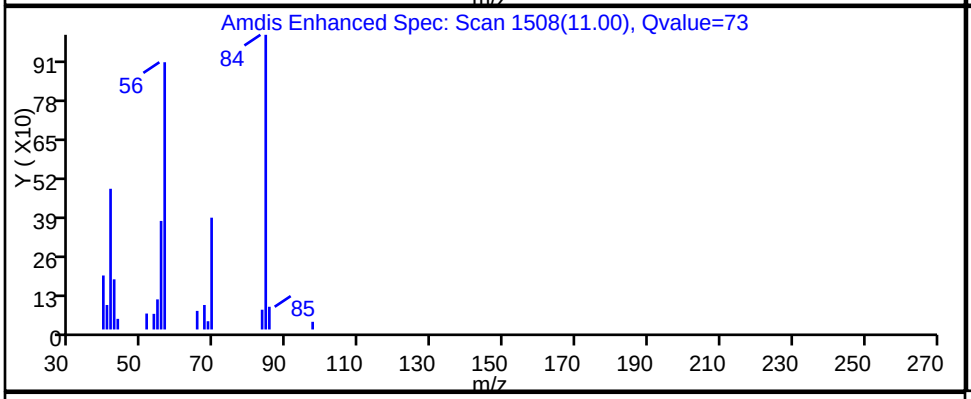
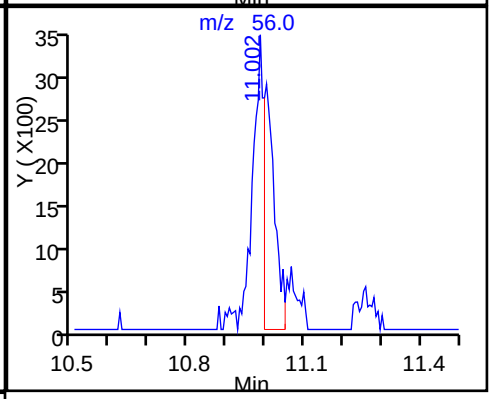
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

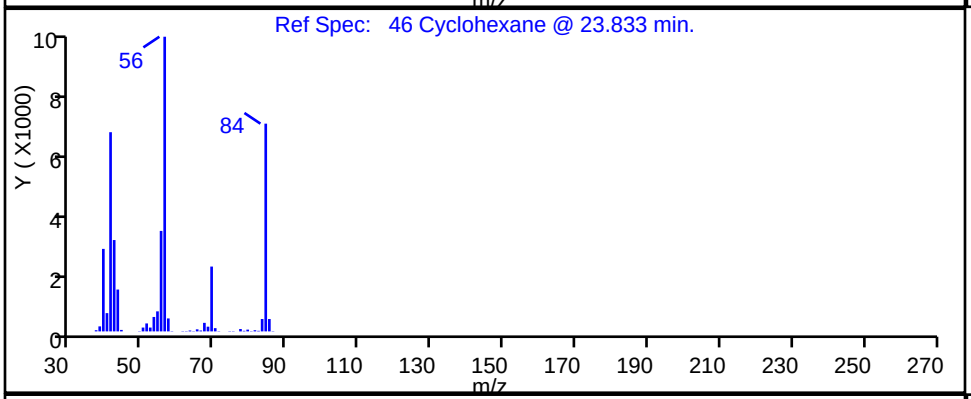
46 Cyclohexane, CAS: 110-82-7

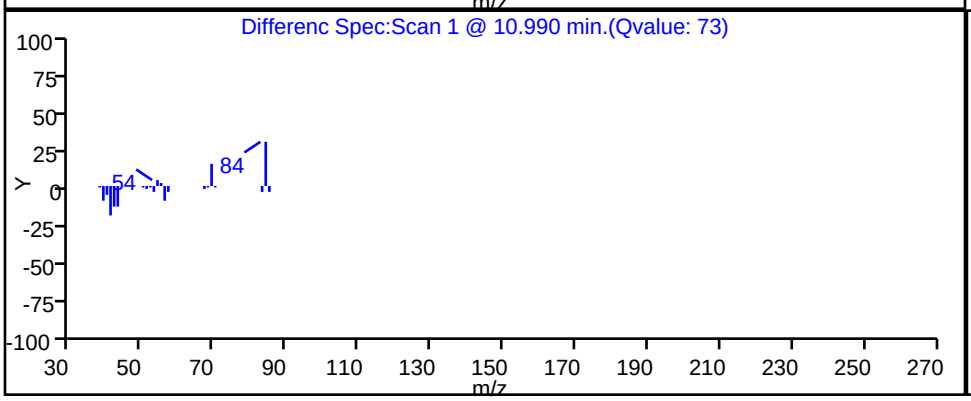


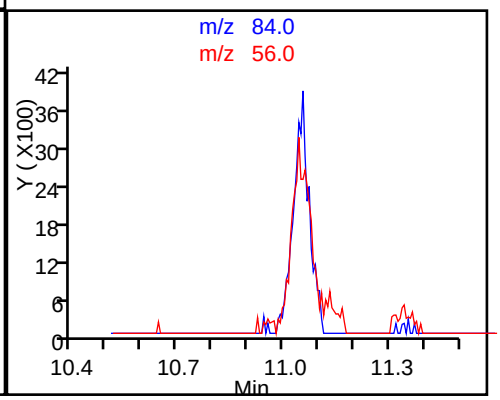












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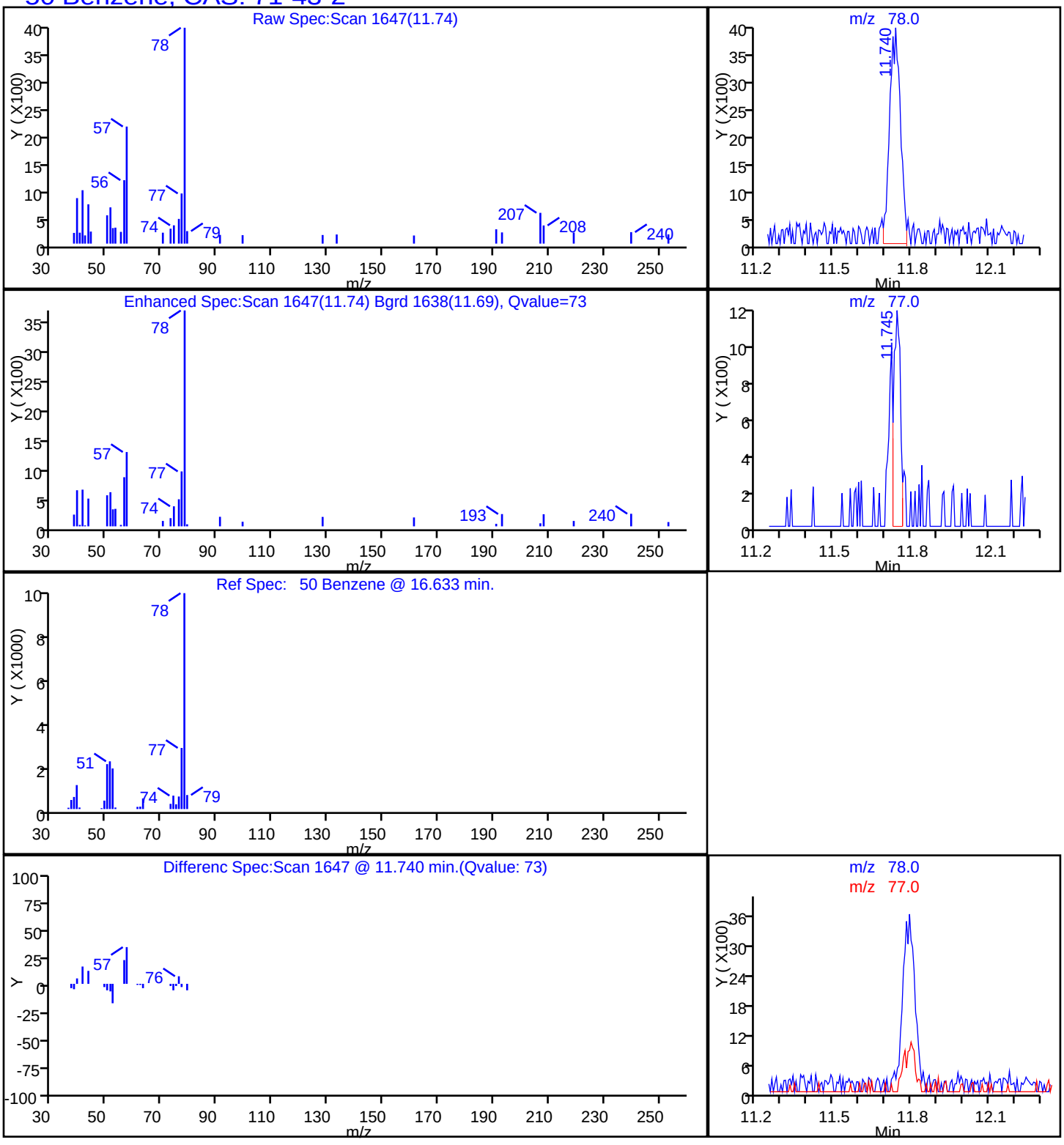
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_024.D

Injection Date:	22-Feb-2014 05:25:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-14	Lab Sample ID:	200-20955-14		
Client ID:	SS-VMP-5B				
Operator ID:	bl	ALS Bottle#:	21	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



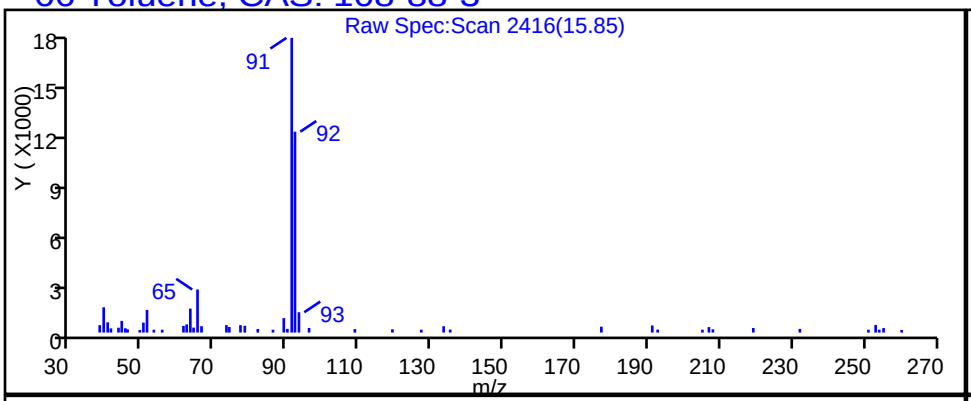
Report Date: 24-Feb-2014 11:38:46 Chrom Revision: 2.2 06-Feb-2014 15:19:06

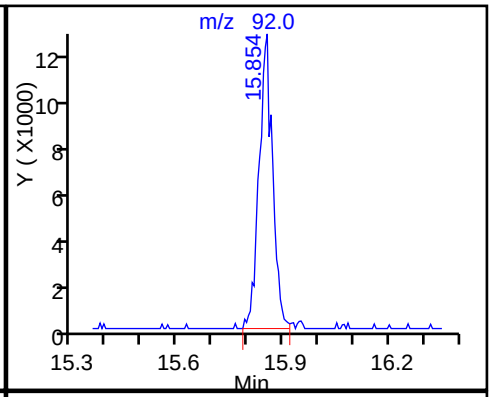
TestAmerica Burlington

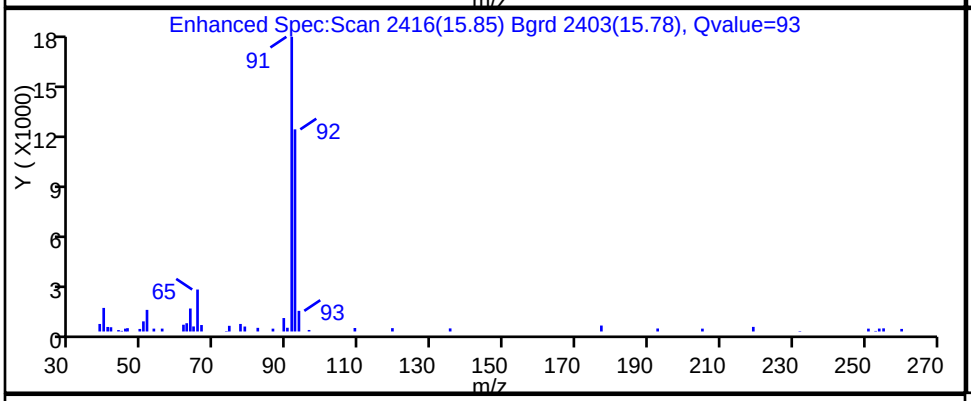
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_024.D

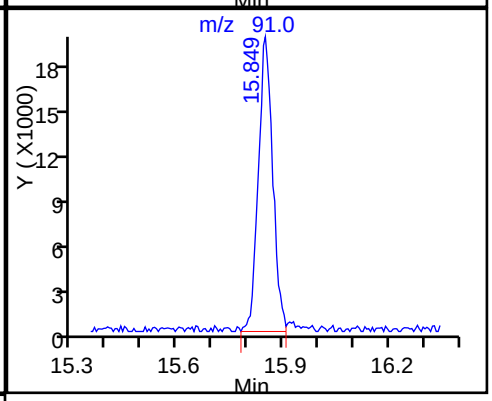
Injection Date:	22-Feb-2014 05:25:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-14	Lab Sample ID:	200-20955-14		
Client ID:	SS-VMP-5B				
Operator ID:	bl	ALS Bottle#:	21	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

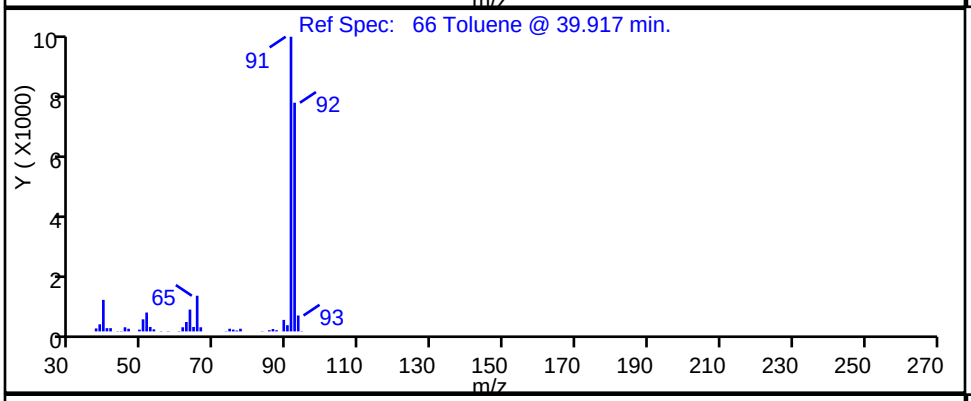
66 Toluene, CAS: 108-88-3

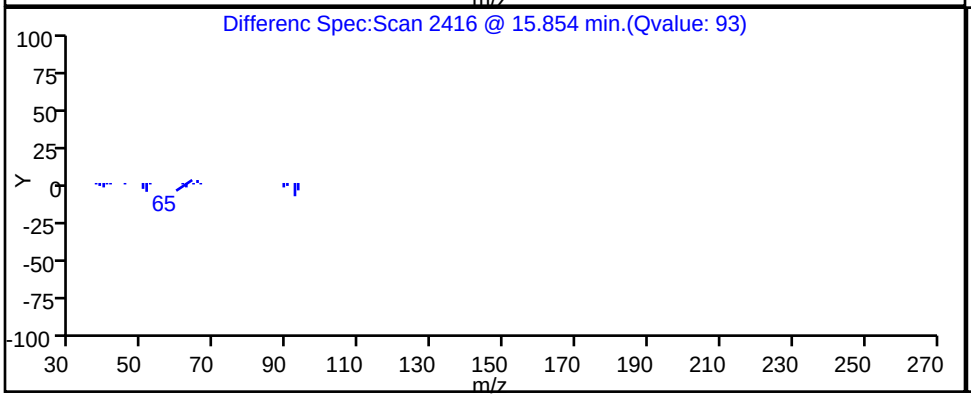


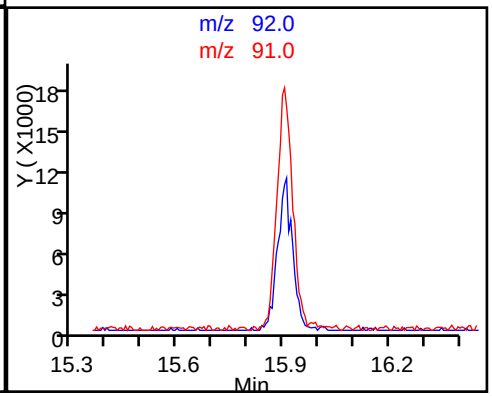










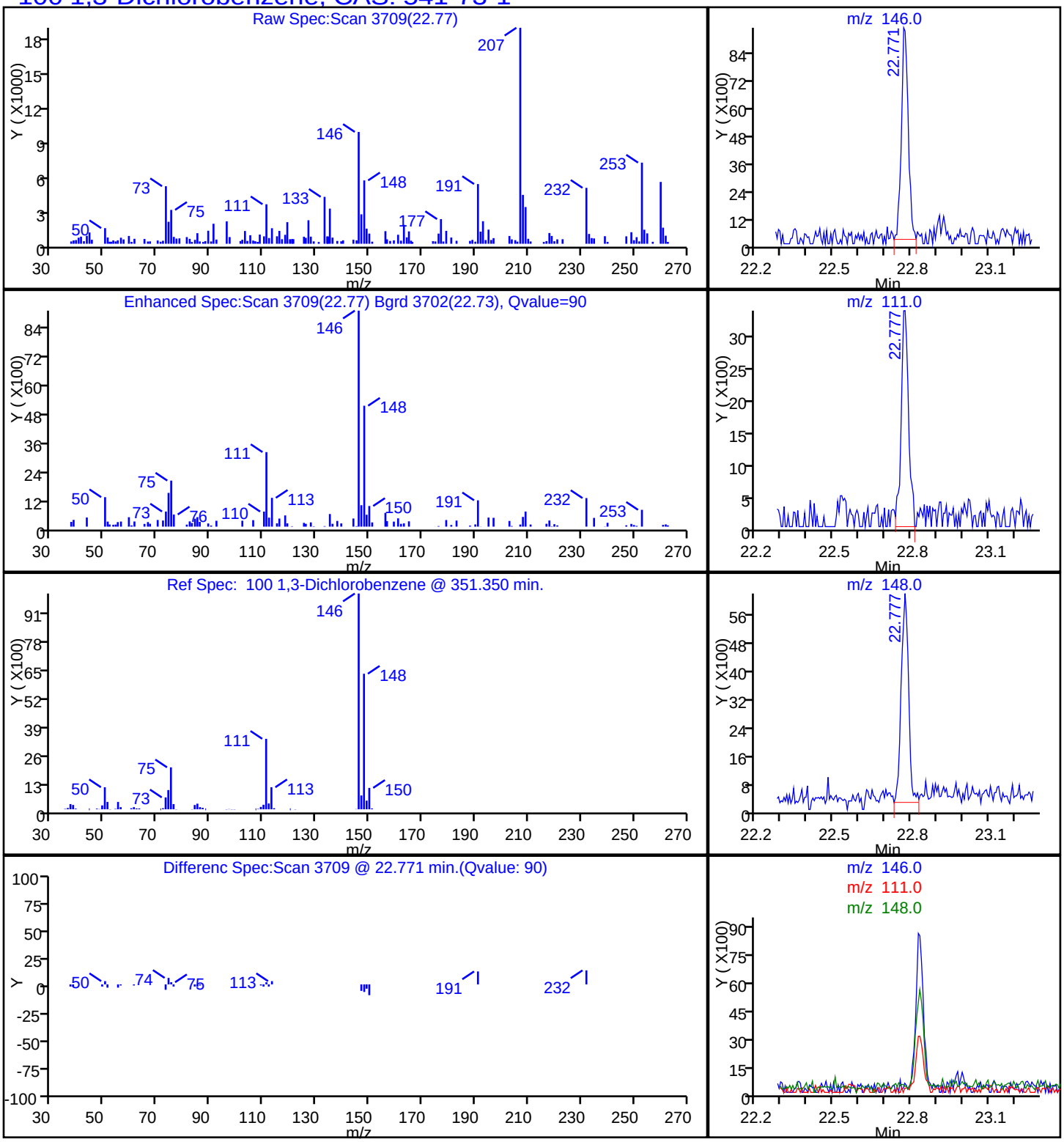


Report Date: 24-Feb-2014 11:38:46 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_024.D				
Injection Date:	22-Feb-2014 05:25:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-14	Lab Sample ID:	200-20955-14		
Client ID:	SS-VMP-5B				
Operator ID:	bl	ALS Bottle#:	21	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	6.9000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-6A Lab Sample ID: 200-20955-16

Matrix: Air Lab File ID: 6267_026.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:32

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 06:58

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	1.9	J	5.0	0.30
75-45-6	Freon 22	86.47	0.96	J	5.0	0.48
76-14-2	Freon-114	170.92	2.0	U	2.0	0.35
74-87-3	Chloromethane	50.49	5.0	U	5.0	1.4
106-97-8	n-Butane	58.12	5.0	U	5.0	2.8
75-01-4	Vinyl chloride	62.50	0.40	U	0.40	0.38
106-99-0	1,3-Butadiene	54.09	2.0	U	2.0	0.42
74-83-9	Bromomethane	94.94	2.0	U	2.0	0.28
75-00-3	Chloroethane	64.52	5.0	U	5.0	0.30
593-60-2	Vinyl bromide	106.96	2.0	U	2.0	0.30
75-69-4	Freon 11	137.37	4.0		2.0	0.30
76-13-1	Freon 113	187.38	2.0		2.0	0.18
75-35-4	1,1-Dichloroethene	96.94	2.0	U	2.0	0.24
67-64-1	Acetone	58.08	50	U	50	13
67-63-0	Isopropyl alcohol	60.10	800	E	50	2.2
75-15-0	Carbon disulfide	76.14	5.0	U	5.0	0.66
107-05-1	Allyl chloride	76.53	5.0	U	5.0	0.34
75-09-2	Methylene Chloride	84.93	180		5.0	1.3
75-65-0	tert-Butyl alcohol	74.12	50	U	50	3.3
1634-04-4	Methyl tert-butyl ether	88.15	2.0	U	2.0	0.22
156-60-5	trans-1,2-Dichloroethene	96.94	2.0	U	2.0	0.29
110-54-3	Hexane	86.17	2.0	U	2.0	0.34
75-34-3	1,1-Dichloroethane	98.96	6.7		2.0	0.38
78-93-3	Methyl Ethyl Ketone	72.11	18		5.0	2.4
156-59-2	cis-1,2-Dichloroethene	96.94	2.0	U	2.0	0.38
540-59-0	1,2-Dichloroethene, Total	96.94	2.0	U	2.0	0.64
67-66-3	Chloroform	119.38	4.4		2.0	0.25
109-99-9	Tetrahydrofuran	72.11	14	J	50	0.46
71-55-6	1,1,1-Trichloroethane	133.41	3.4		2.0	0.21
110-82-7	Cyclohexane	84.16	2.6		2.0	0.25
56-23-5	Carbon tetrachloride	153.81	0.40	U	0.40	0.21
540-84-1	2,2,4-Trimethylpentane	114.23	2.0	U	2.0	0.27
71-43-2	Benzene	78.11	0.39	J	2.0	0.19
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	0.17
142-82-5	Heptane	100.21	2.0	U	2.0	0.46

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-6A Lab Sample ID: 200-20955-16

Matrix: Air Lab File ID: 6267_026.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:32

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 06:58

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.1		0.40	0.24
80-62-6	Methyl methacrylate	100.12	5.0	U	5.0	0.30
78-87-5	1,2-Dichloropropane	112.99	2.0	U	2.0	0.32
123-91-1	1,4-Dioxane	88.11	50	U	50	2.0
75-27-4	Bromodichloromethane	163.83	2.0	U	2.0	0.17
10061-01-5	cis-1,3-Dichloropropene	110.97	2.0	U	2.0	0.28
108-10-1	methyl isobutyl ketone	100.16	5.0	U	5.0	0.27
108-88-3	Toluene	92.14	1.8	J	2.0	0.17
10061-02-6	trans-1,3-Dichloropropene	110.97	2.0	U	2.0	0.22
79-00-5	1,1,2-Trichloroethane	133.41	2.0	U	2.0	0.17
127-18-4	Tetrachloroethene	165.83	2.0	U	2.0	0.16
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.0	U	5.0	2.0
124-48-1	Dibromochloromethane	208.29	2.0	U	2.0	0.20
106-93-4	1,2-Dibromoethane	187.87	2.0	U	2.0	0.20
108-90-7	Chlorobenzene	112.56	2.0	U	2.0	0.081
100-41-4	Ethylbenzene	106.17	2.0	U	2.0	0.13
179601-23-1	m,p-Xylene	106.17	5.0	U	5.0	0.23
95-47-6	Xylene, o-	106.17	2.0	U	2.0	0.16
1330-20-7	Xylene (total)	106.17	2.0	U	2.0	0.34
100-42-5	Styrene	104.15	2.0	U	2.0	0.18
75-25-2	Bromoform	252.75	2.0	U	2.0	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.0	U	2.0	0.16
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.80
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	0.18
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	0.12
95-49-8	2-Chlorotoluene	126.59	2.0	U	2.0	0.13
98-06-6	tert-Butylbenzene	134.22	2.0	U	2.0	0.17
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0	U	2.0	0.14
135-98-8	sec-Butylbenzene	134.22	2.0	U	2.0	0.80
99-87-6	4-Isopropyltoluene	134.22	2.0	U	2.0	0.80
541-73-1	1,3-Dichlorobenzene	147.00	0.63	J	2.0	0.14
106-46-7	1,4-Dichlorobenzene	147.00	2.0	U	2.0	0.14
100-44-7	Benzyl chloride	126.58	2.0	U	2.0	0.80
104-51-8	n-Butylbenzene	134.22	2.0	U	2.0	0.80

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-6A Lab Sample ID: 200-20955-16

Matrix: Air Lab File ID: 6267_026.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:32

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 06:58

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	2.0	U	2.0	0.14
120-82-1	1,2,4-Trichlorobenzene	181.45	5.0	U	5.0	0.27
87-68-3	Hexachloro-1,3-butadiene	260.76	2.0	U	2.0	0.22
91-20-3	Naphthalene	128.17	5.0	U	5.0	2.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-6A Lab Sample ID: 200-20955-16

Matrix: Air Lab File ID: 6267_026.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:32

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 06:58

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	9.2	J	25	1.5
75-45-6	Freon 22	86.47	3.4	J	18	1.7
76-14-2	Freon-114	170.92	14	U	14	2.4
74-87-3	Chloromethane	50.49	10	U	10	2.8
106-97-8	n-Butane	58.12	12	U	12	6.7
75-01-4	Vinyl chloride	62.50	1.0	U	1.0	0.97
106-99-0	1,3-Butadiene	54.09	4.4	U	4.4	0.93
74-83-9	Bromomethane	94.94	7.8	U	7.8	1.1
75-00-3	Chloroethane	64.52	13	U	13	0.79
593-60-2	Vinyl bromide	106.96	8.7	U	8.7	1.3
75-69-4	Freon 11	137.37	23		11	1.7
76-13-1	Freon 113	187.38	15		15	1.4
75-35-4	1,1-Dichloroethene	96.94	7.9	U	7.9	0.95
67-64-1	Acetone	58.08	120	U	120	30
67-63-0	Isopropyl alcohol	60.10	2000	E	120	5.3
75-15-0	Carbon disulfide	76.14	16	U	16	2.1
107-05-1	Allyl chloride	76.53	16	U	16	1.1
75-09-2	Methylene Chloride	84.93	620		17	4.3
75-65-0	tert-Butyl alcohol	74.12	150	U	150	9.9
1634-04-4	Methyl tert-butyl ether	88.15	7.2	U	7.2	0.79
156-60-5	trans-1,2-Dichloroethene	96.94	7.9	U	7.9	1.1
110-54-3	Hexane	86.17	7.0	U	7.0	1.2
75-34-3	1,1-Dichloroethane	98.96	27		8.1	1.5
78-93-3	Methyl Ethyl Ketone	72.11	52		15	7.1
156-59-2	cis-1,2-Dichloroethene	96.94	7.9	U	7.9	1.5
540-59-0	1,2-Dichloroethene, Total	96.94	7.9	U	7.9	2.5
67-66-3	Chloroform	119.38	21		9.8	1.2
109-99-9	Tetrahydrofuran	72.11	41	J	150	1.4
71-55-6	1,1,1-Trichloroethane	133.41	19		11	1.1
110-82-7	Cyclohexane	84.16	8.8		6.9	0.86
56-23-5	Carbon tetrachloride	153.81	2.5	U	2.5	1.3
540-84-1	2,2,4-Trimethylpentane	114.23	9.3	U	9.3	1.3
71-43-2	Benzene	78.11	1.2	J	6.4	0.61
107-06-2	1,2-Dichloroethane	98.96	8.1	U	8.1	0.69
142-82-5	Heptane	100.21	8.2	U	8.2	1.9

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-6A Lab Sample ID: 200-20955-16

Matrix: Air Lab File ID: 6267_026.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:32

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 06:58

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	11		2.1	1.3
80-62-6	Methyl methacrylate	100.12	20	U	20	1.2
78-87-5	1,2-Dichloropropane	112.99	9.2	U	9.2	1.5
123-91-1	1,4-Dioxane	88.11	180	U	180	7.2
75-27-4	Bromodichloromethane	163.83	13	U	13	1.1
10061-01-5	cis-1,3-Dichloropropene	110.97	9.1	U	9.1	1.3
108-10-1	methyl isobutyl ketone	100.16	20	U	20	1.1
108-88-3	Toluene	92.14	6.8	J	7.5	0.64
10061-02-6	trans-1,3-Dichloropropene	110.97	9.1	U	9.1	1.0
79-00-5	1,1,2-Trichloroethane	133.41	11	U	11	0.93
127-18-4	Tetrachloroethene	165.83	14	U	14	1.1
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	20	U	20	8.2
124-48-1	Dibromochloromethane	208.29	17	U	17	1.7
106-93-4	1,2-Dibromoethane	187.87	15	U	15	1.5
108-90-7	Chlorobenzene	112.56	9.2	U	9.2	0.37
100-41-4	Ethylbenzene	106.17	8.7	U	8.7	0.56
179601-23-1	m,p-Xylene	106.17	22	U	22	1.0
95-47-6	Xylene, o-	106.17	8.7	U	8.7	0.69
1330-20-7	Xylene (total)	106.17	8.7	U	8.7	1.5
100-42-5	Styrene	104.15	8.5	U	8.5	0.77
75-25-2	Bromoform	252.75	21	U	21	1.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	14	U	14	1.1
103-65-1	n-Propylbenzene	120.19	9.8	U	9.8	3.9
622-96-8	4-Ethyltoluene	120.20	9.8	U	9.8	0.88
108-67-8	1,3,5-Trimethylbenzene	120.20	9.8	U	9.8	0.59
95-49-8	2-Chlorotoluene	126.59	10	U	10	0.67
98-06-6	tert-Butylbenzene	134.22	11	U	11	0.93
95-63-6	1,2,4-Trimethylbenzene	120.20	9.8	U	9.8	0.69
135-98-8	sec-Butylbenzene	134.22	11	U	11	4.4
99-87-6	4-Isopropyltoluene	134.22	11	U	11	4.4
541-73-1	1,3-Dichlorobenzene	147.00	3.8	J	12	0.84
106-46-7	1,4-Dichlorobenzene	147.00	12	U	12	0.84
100-44-7	Benzyl chloride	126.58	10	U	10	4.1
104-51-8	n-Butylbenzene	134.22	11	U	11	4.4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-6A Lab Sample ID: 200-20955-16

Matrix: Air Lab File ID: 6267_026.D

Analysis Method: TO-15 Date Collected: 02/12/2014 16:32

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 06:58

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	12	U	12	0.84
120-82-1	1,2,4-Trichlorobenzene	181.45	37	U	37	2.0
87-68-3	Hexachloro-1,3-butadiene	260.76	21	U	21	2.3
91-20-3	Naphthalene	128.17	26	U	26	10

Report Date: 24-Feb-2014 11:38:48 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D
Lims ID: 200-20955-A-16 Lab Sample ID: 200-20955-16
Client ID: SS-VMP-6A
Sample Type: Client
Inject. Date: 22-Feb-2014 06:58:30 ALS Bottle#: 23 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 10.0000
Sample Info: 200-0006267-026
Misc. Info.: 20955-16
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:38:08 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: lyonsb Date: 24-Feb-2014 10:49:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	99	38673	0.1859	
6 Chlorodifluoromethane	51	3.181	3.181	0.001	80	7499	0.0958	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.405					
8 Chloromethane	50		3.539					
9 Butane	43		3.758					
10 Vinyl chloride	62		3.796					
11 Butadiene	54		3.876					
12 Bromomethane	94		4.577					
14 Chloroethane	64		4.828					
16 Vinyl bromide	106		5.229					
17 Trichlorofluoromethane	101	5.347	5.347	0.0	95	95394	0.4015	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.481	6.476	0.005	94	30033	0.2014	
24 1,1-Dichloroethene	96		6.497					
25 Acetone	43		6.717					
26 Carbon disulfide	76		6.883					
27 Isopropyl alcohol	45	7.043	7.038	0.005	98	3746463	79.7	E
29 3-Chloro-1-propene	41		7.300					
31 Methylene Chloride	49	7.594	7.599	-0.005	80	842665	18.0	
32 2-Methyl-2-propanol	59		7.835					
33 Methyl tert-butyl ether	73		8.038					
34 trans-1,2-Dichloroethene	61		8.059					
36 Hexane	57		8.493					
37 1,1-Dichloroethane	63	8.942	8.947	-0.005	97	65429	0.6705	
39 cis-1,2-Dichloroethene	96		10.087					
40 2-Butanone (MEK)	72	10.135	10.135	0.0	98	50679	1.75	
S 41 1,2-Dichloroethene, Total	61		10.200					
* 43 Chlorobromomethane	128	10.558	10.563	-0.005	68	663053	10.0	
44 Tetrahydrofuran	42	10.574	10.579	-0.005	81	62390	1.38	
45 Chloroform	83	10.697	10.702	-0.005	98	82890	0.4373	
46 Cyclohexane	84	10.986	10.991	-0.005	45	24359	0.2566	M
47 1,1,1-Trichloroethane	97	11.007	11.002	0.005	92	76617	0.3412	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	48 Carbon tetrachloride	117		11.269					
	50 Benzene	78	11.740	11.740	0.0	74	9928	0.0391	
	51 Isooctane	57		11.761					
	52 1,2-Dichloroethane	62		11.911					
	53 n-Heptane	43		12.168					
*	54 1,4-Difluorobenzene	114	12.623	12.623	0.0	91	3803422	10.0	
	56 Trichloroethene	95	13.110	13.110	0.0	93	37581	0.2088	
	58 1,2-Dichloropropane	63		13.682					
	59 Methyl methacrylate	69		13.880					
	60 1,4-Dioxane	88		13.917					
	62 Dichlorobromomethane	83		14.249					
	64 cis-1,3-Dichloropropene	75		15.228					
	65 4-Methyl-2-pentanone (MIBK)	43		15.528					
	66 Toluene	92	15.849	15.849	0.0	93	46836	0.1814	
	70 trans-1,3-Dichloropropene	75		16.437					
	71 1,1,2-Trichloroethane	83		16.812					
	72 Tetrachloroethene	166		16.961					
	73 2-Hexanone	43		17.282					
	74 Chlorodibromomethane	129		17.587					
	75 Ethylene Dibromide	107		17.860					
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	81	3525160	10.0	
	77 Chlorobenzene	112		18.844					
	78 Ethylbenzene	91		19.016					
	80 m-Xylene & p-Xylene	106		19.272					
S	82 Xylenes, Total	106		20.100					
	83 o-Xylene	106		20.102					
	84 Styrene	104		20.144					
	85 Bromoform	173		20.530					
$	87 4-Bromofluorobenzene	95	21.108	21.107	0.001	99	1640847	NC	
	88 1,1,2,2-Tetrachloroethane	83		21.364					
	90 N-Propylbenzene	91		21.471					
	92 2-Chlorotoluene	91		21.653					
	91 4-Ethyltoluene	105		21.653					
	94 1,3,5-Trimethylbenzene	105		21.760					
	96 tert-Butylbenzene	119		22.242					
	97 1,2,4-Trimethylbenzene	105		22.332					
	98 sec-Butylbenzene	105		22.562					
	99 4-Isopropyltoluene	119		22.760					
	100 1,3-Dichlorobenzene	146	22.777	22.776	0.001	87	19966	0.0635	
	101 1,4-Dichlorobenzene	146		22.910					
	102 Benzyl chloride	91		23.103					
	103 n-Butylbenzene	91		23.338					
	105 1,2-Dichlorobenzene	146		23.451					
	107 1,2,4-Trichlorobenzene	180		26.013					
	108 Hexachlorobutadiene	225		26.227					
	109 Naphthalene	128		26.505					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

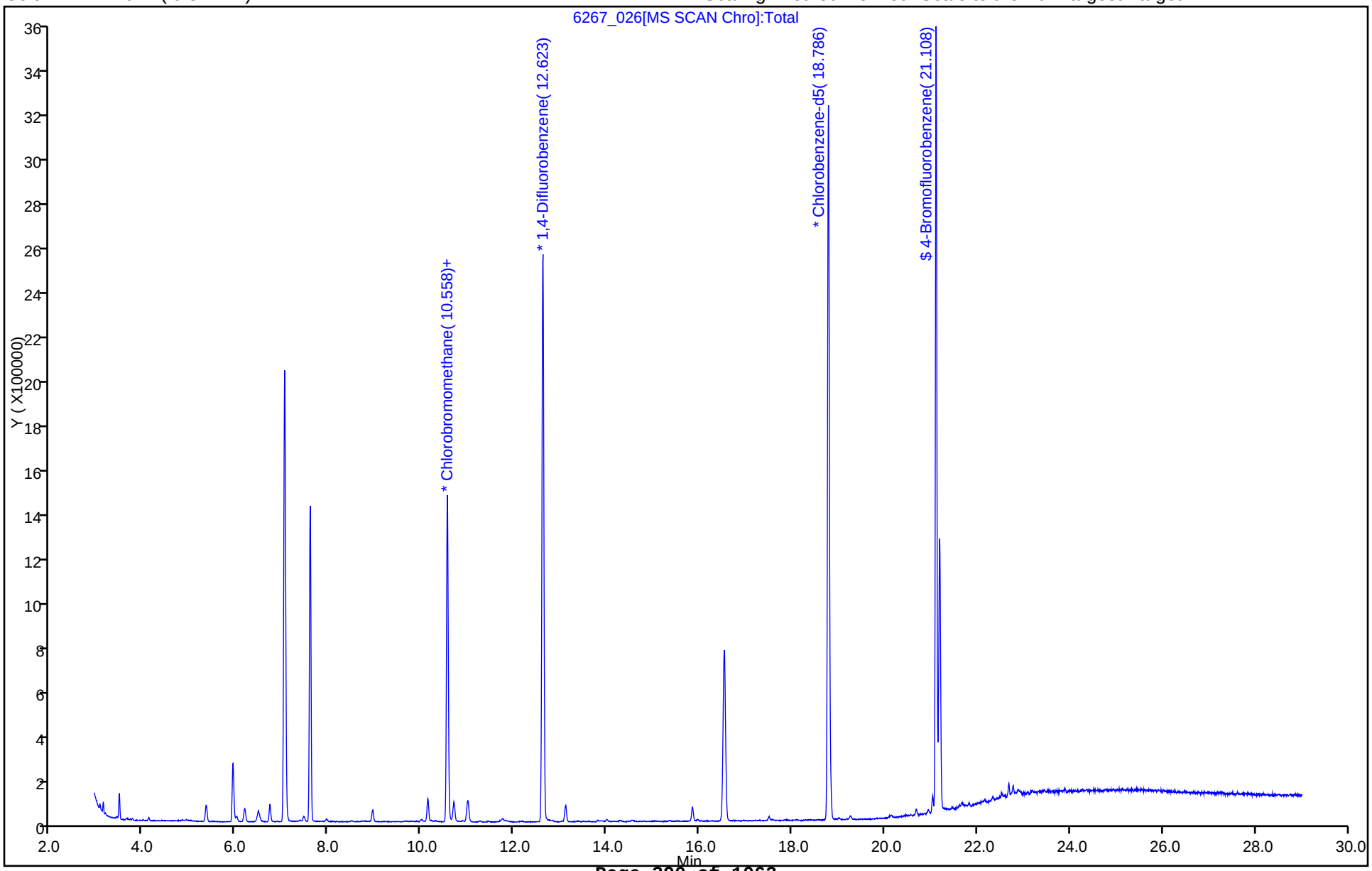
Report Date: 24-Feb-2014 11:38:48 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D

Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16	Worklist Smp#:	26
Client ID:	SS-VMP-6A				
Purge Vol:	200.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	23
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



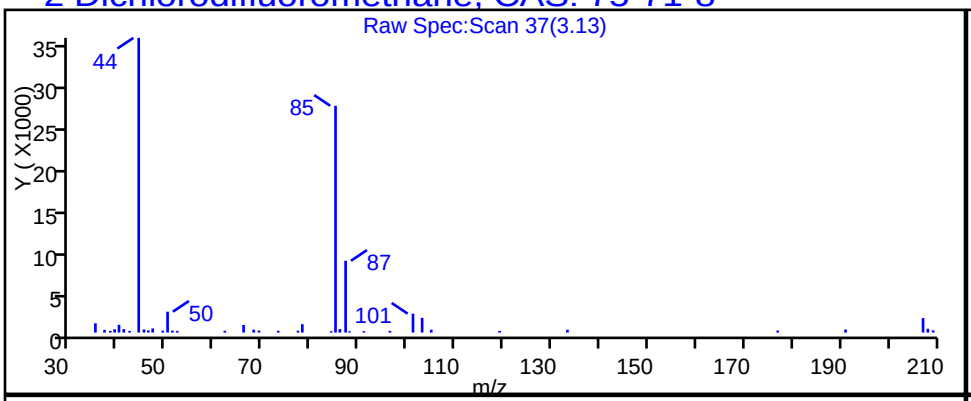
Report Date: 24-Feb-2014 11:38:48 Chrom Revision: 2.2 06-Feb-2014 15:19:06

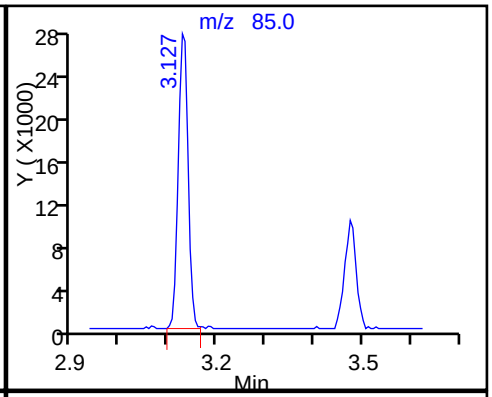
TestAmerica Burlington

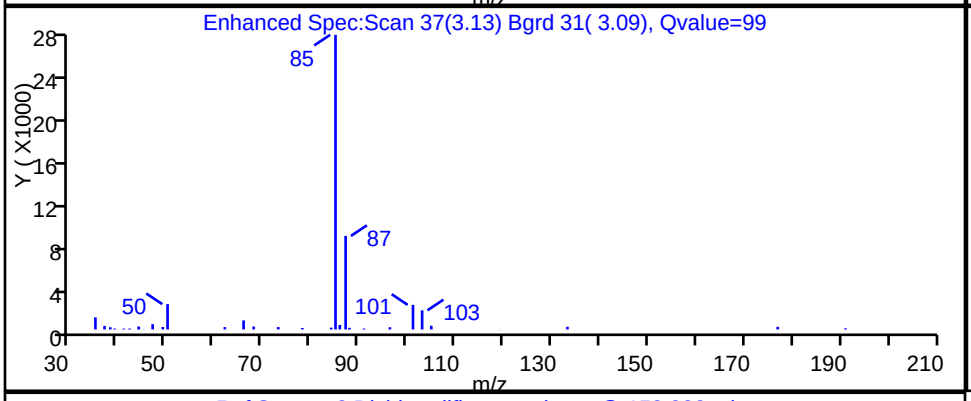
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D

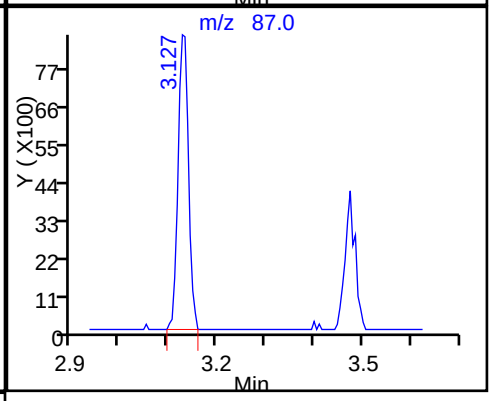
Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

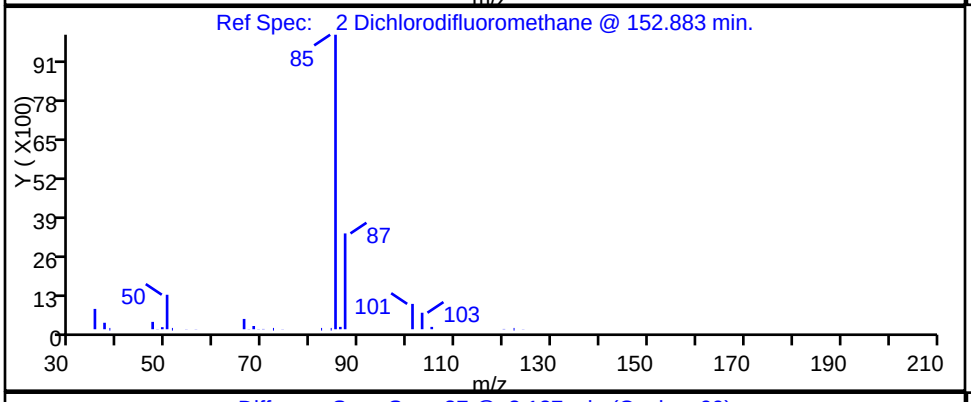
2 Dichlorodifluoromethane, CAS: 75-71-8

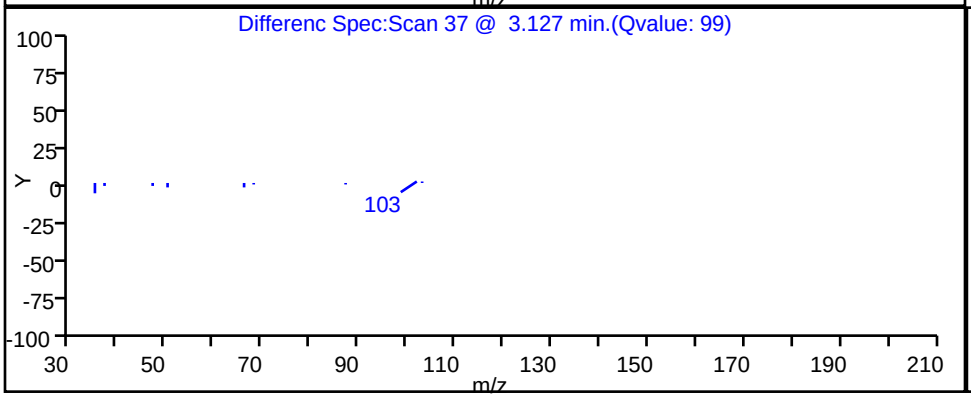


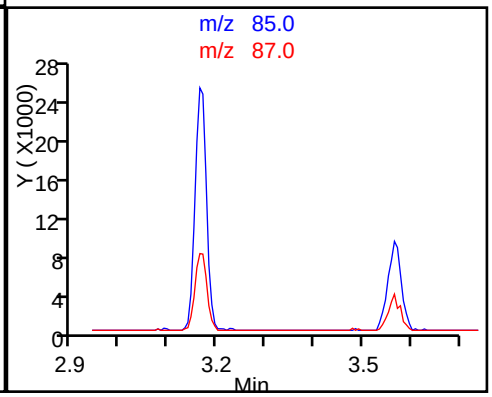












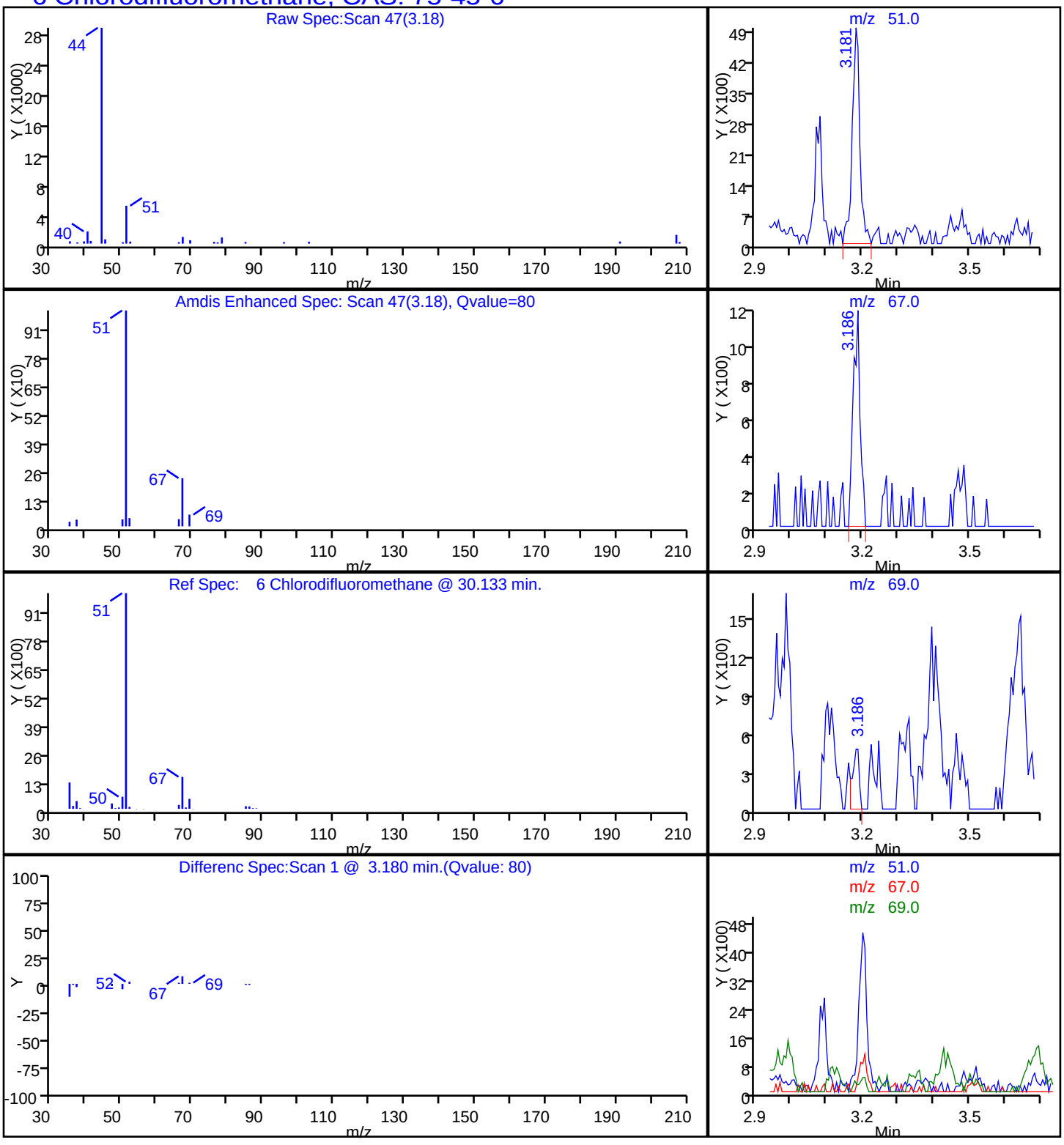
Report Date: 24-Feb-2014 11:38:48 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D

Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



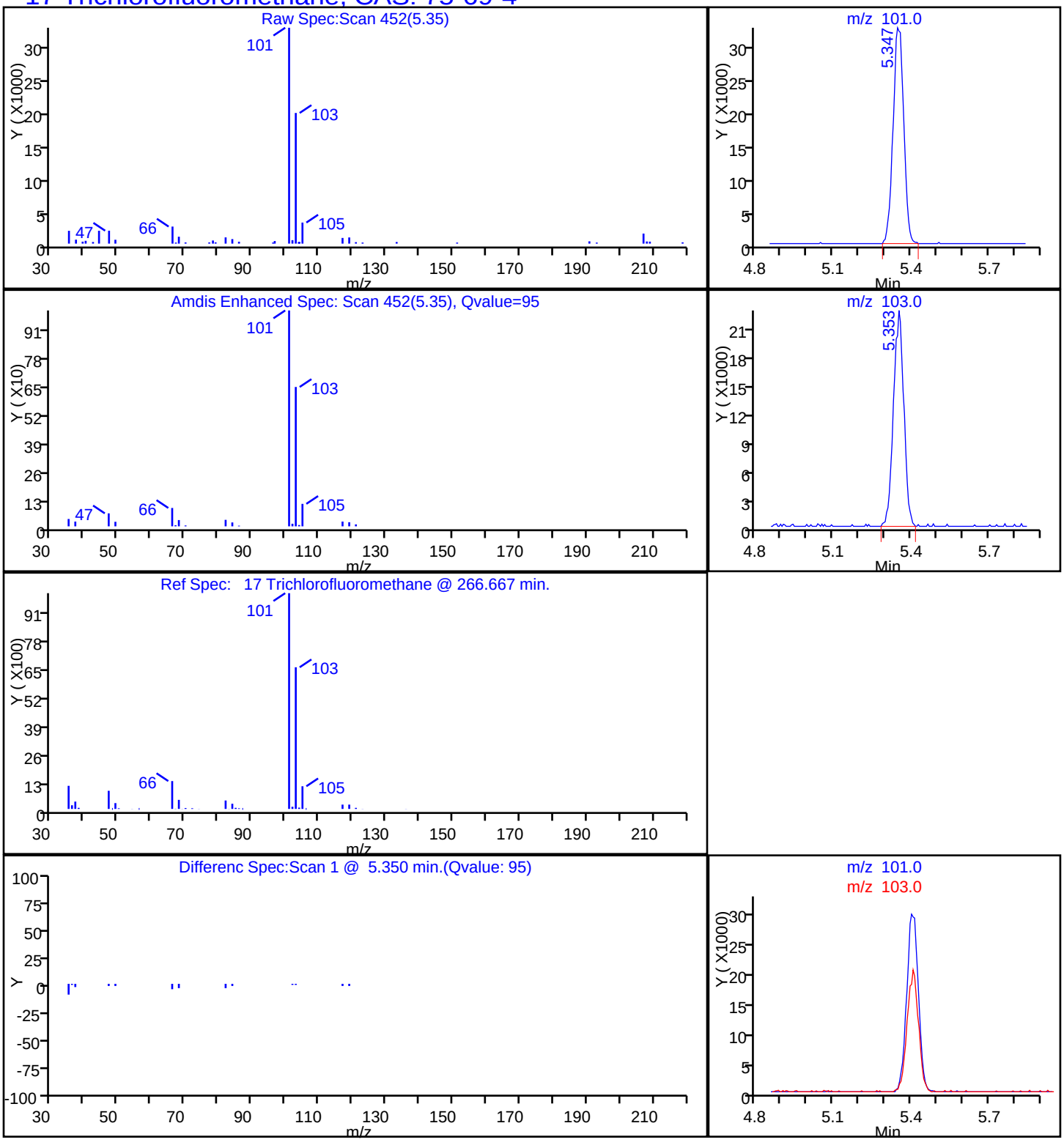
Report Date: 24-Feb-2014 11:38:48 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D

Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

17 Trichlorofluoromethane, CAS: 75-69-4



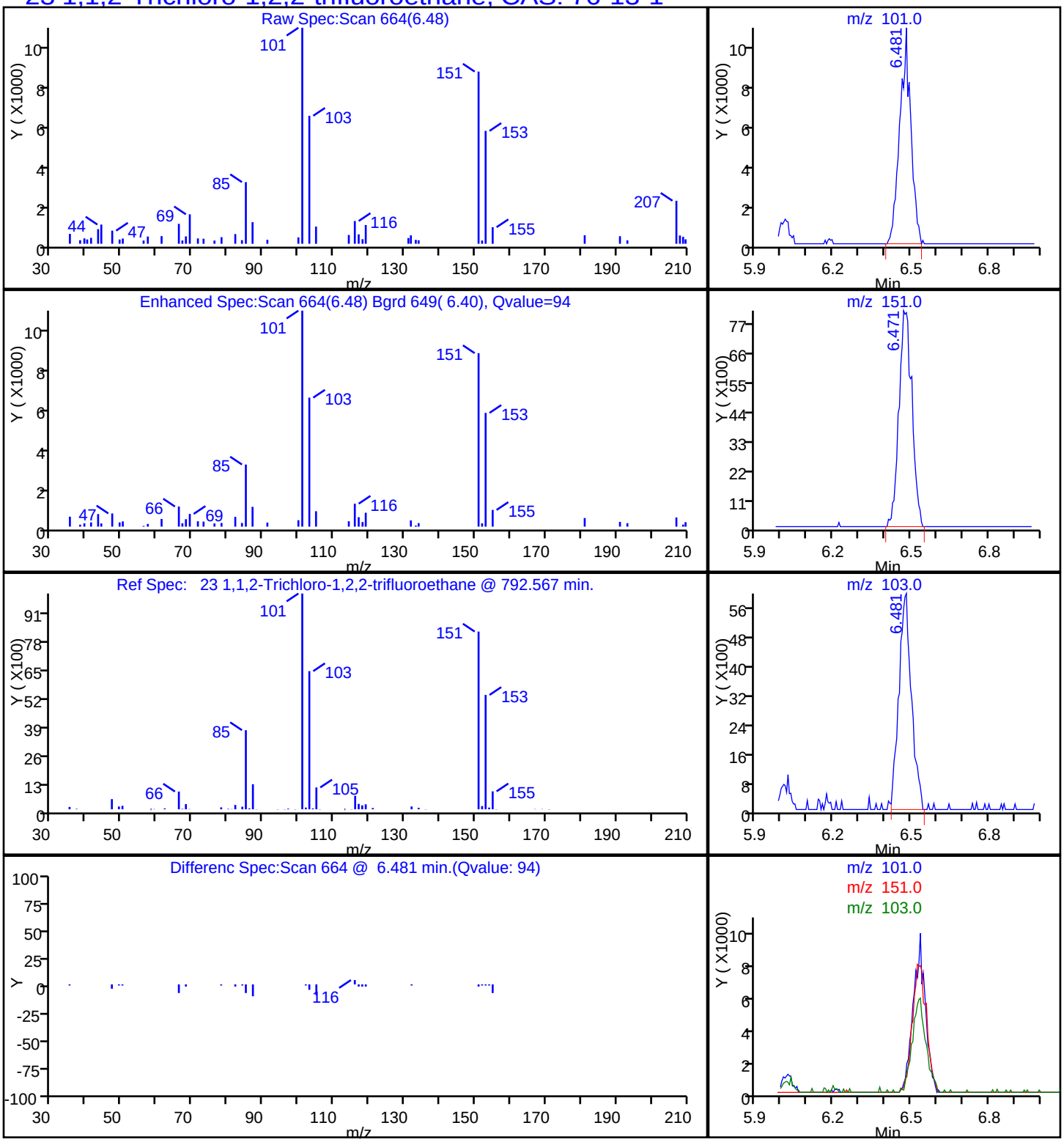
Report Date: 24-Feb-2014 11:38:48 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D

Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



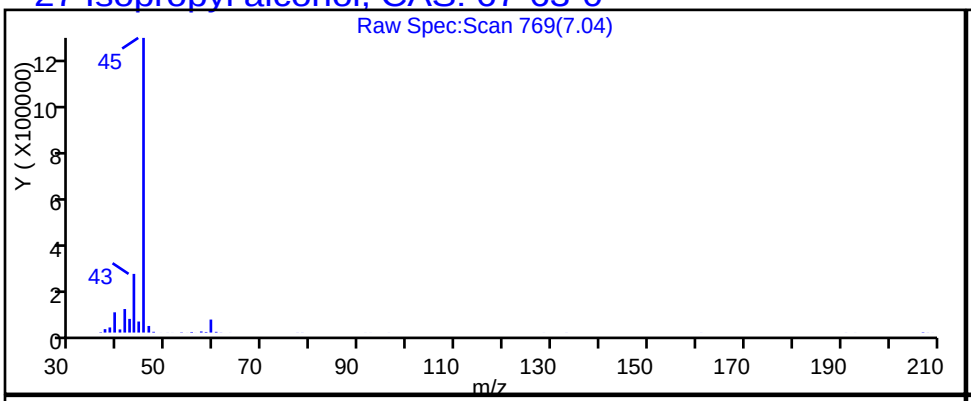
Report Date: 24-Feb-2014 11:38:48 Chrom Revision: 2.2 06-Feb-2014 15:19:06

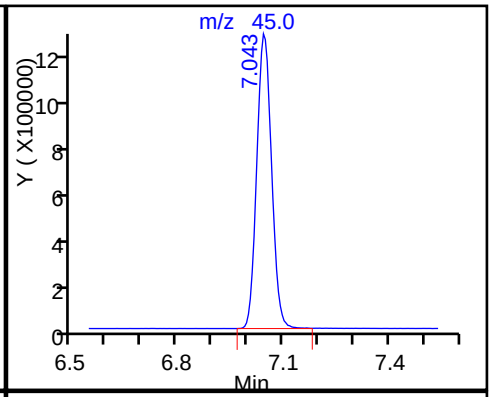
TestAmerica Burlington

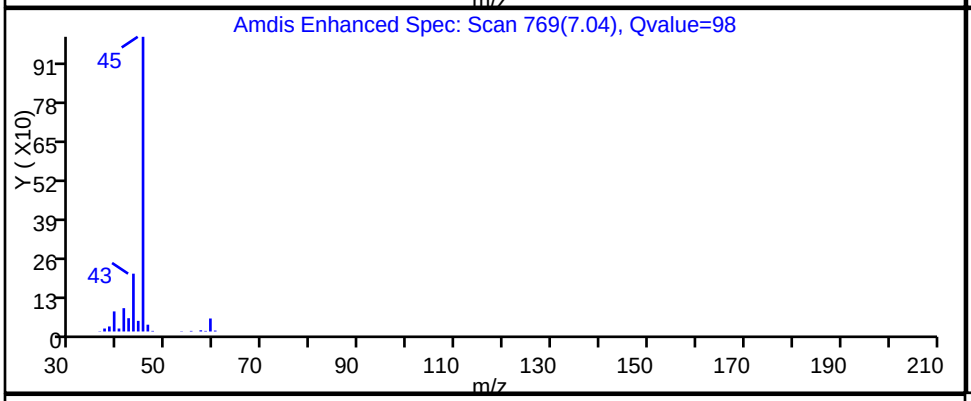
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D

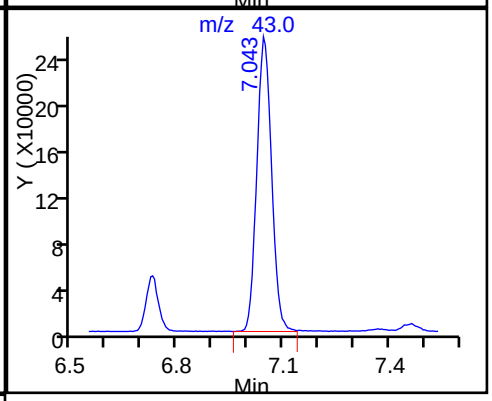
Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

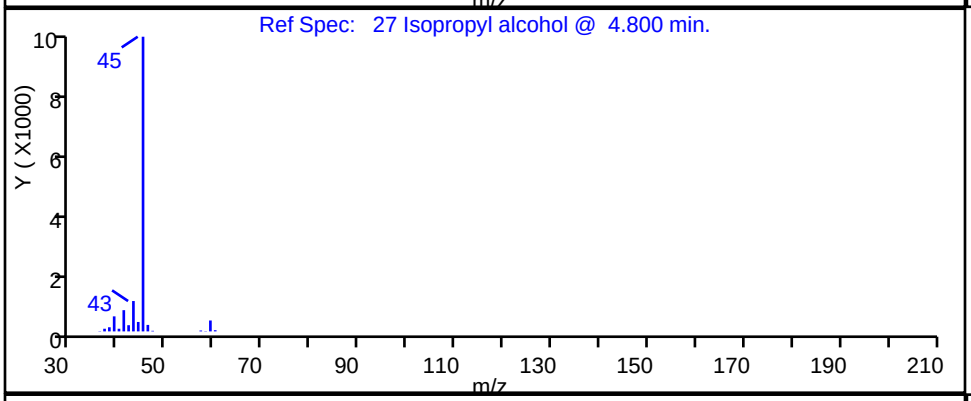
27 Isopropyl alcohol, CAS: 67-63-0

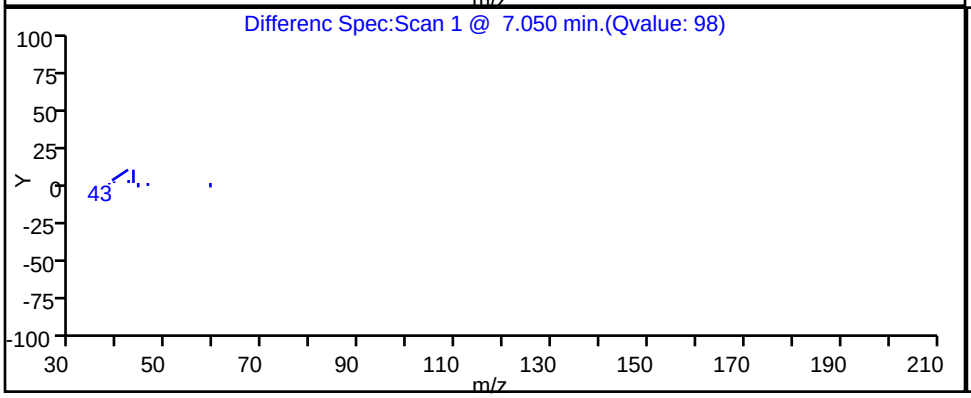


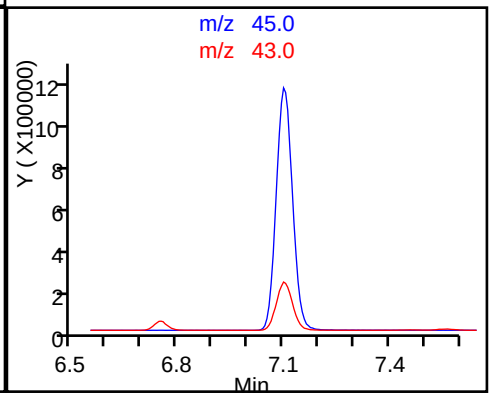












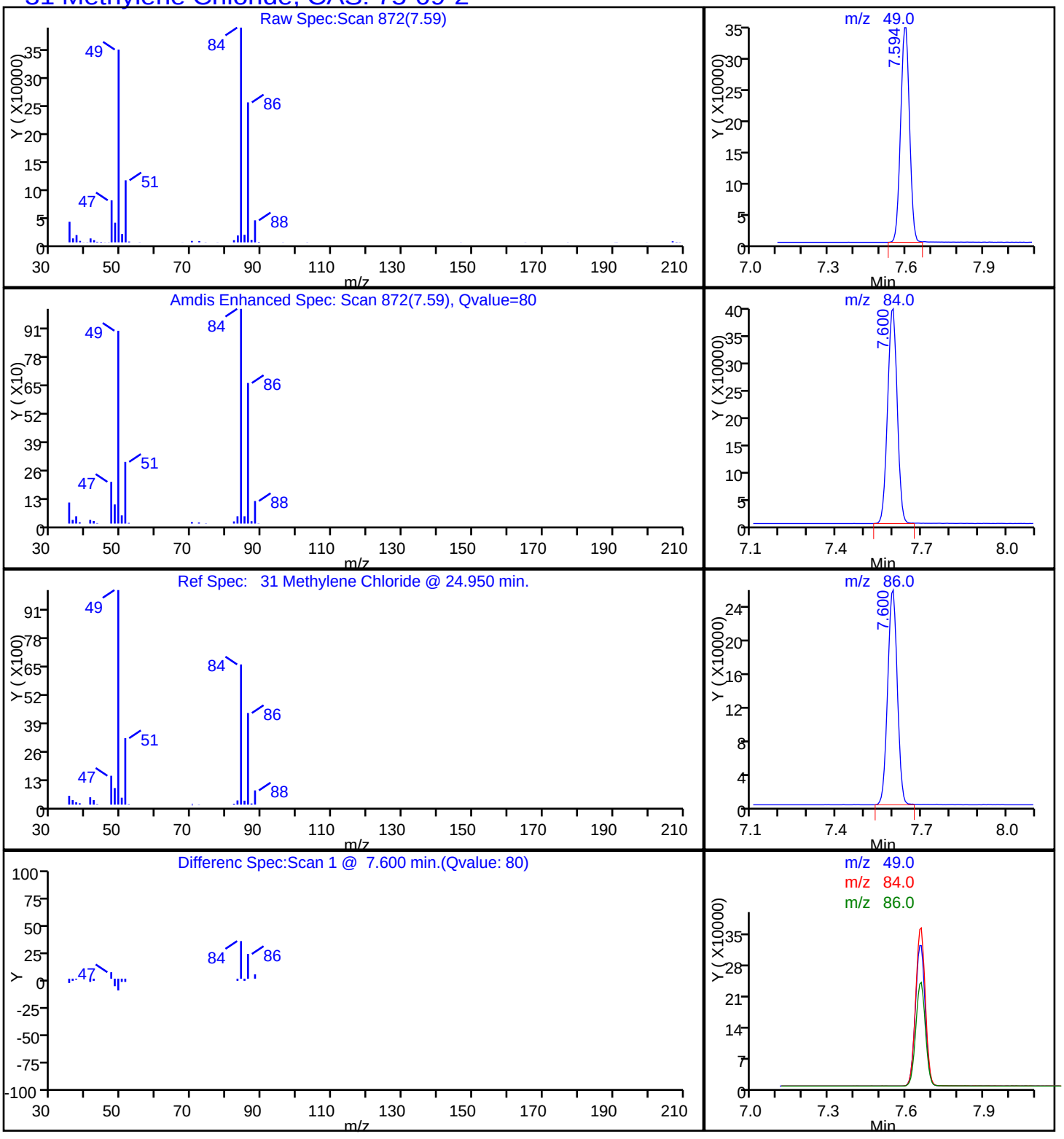
Report Date: 24-Feb-2014 11:38:48 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D

Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



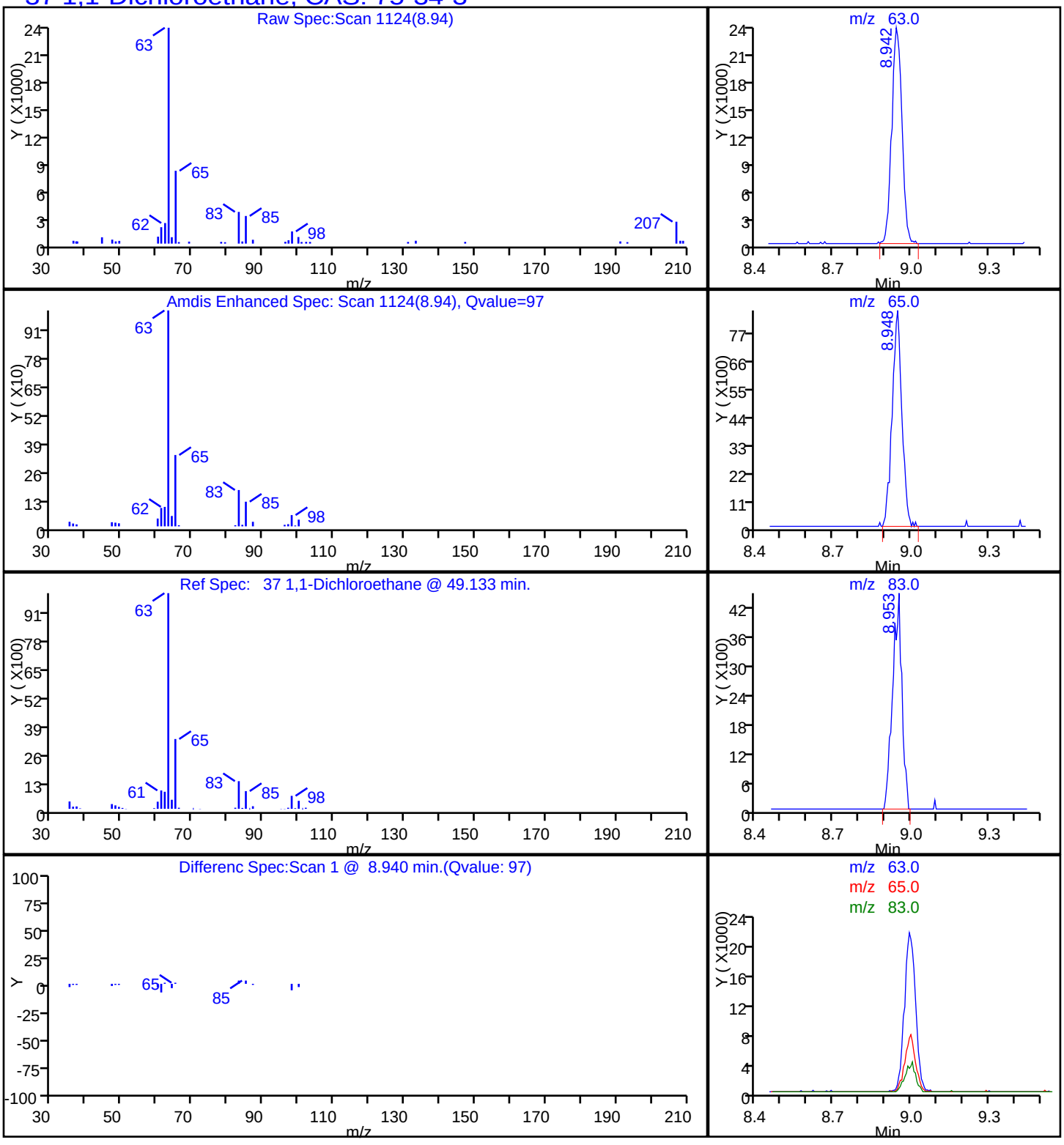
Report Date: 24-Feb-2014 11:38:49 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D

Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



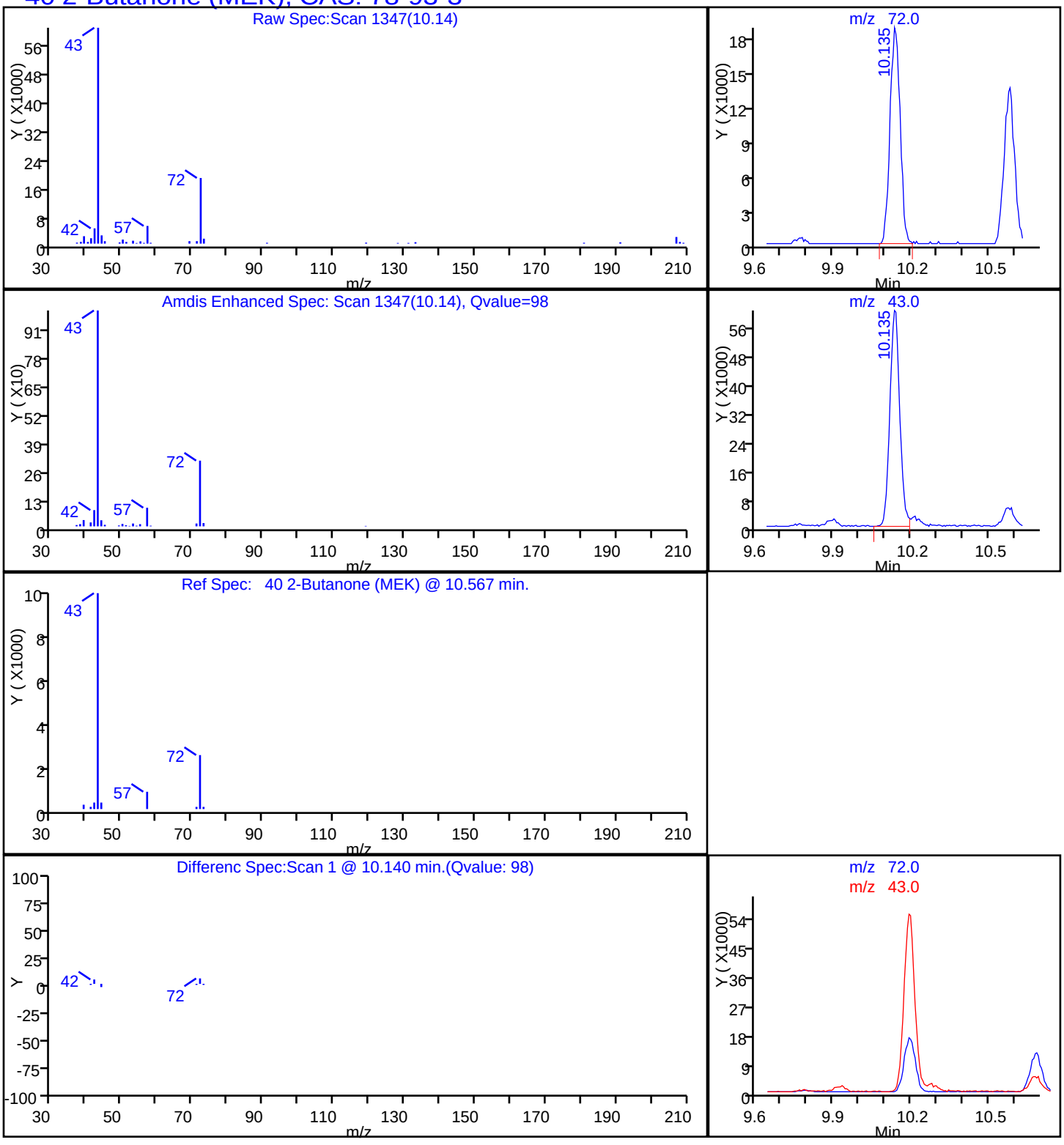
Report Date: 24-Feb-2014 11:38:49 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D

Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3



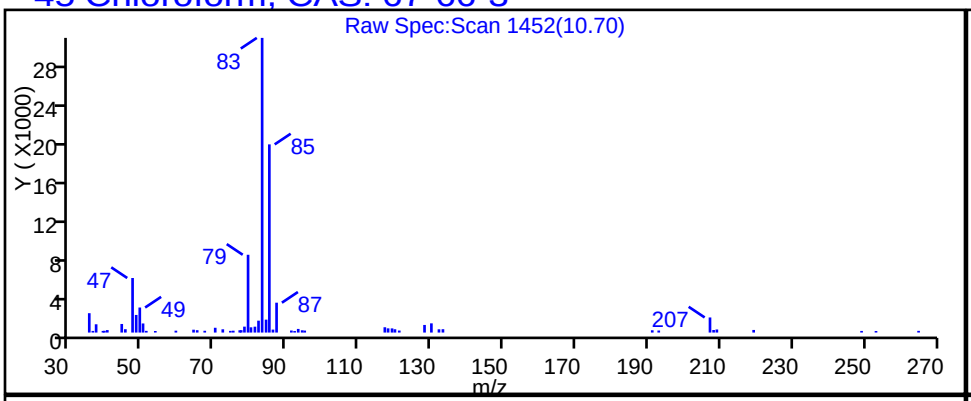
Report Date: 24-Feb-2014 11:38:49 Chrom Revision: 2.2 06-Feb-2014 15:19:06

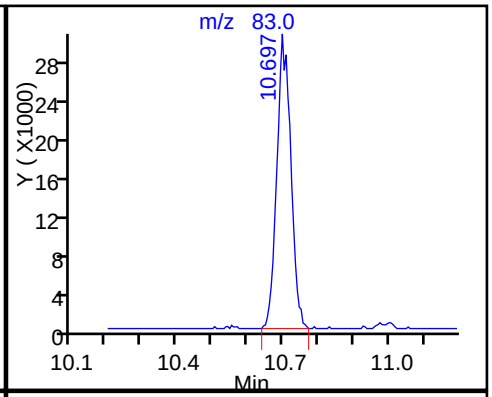
TestAmerica Burlington

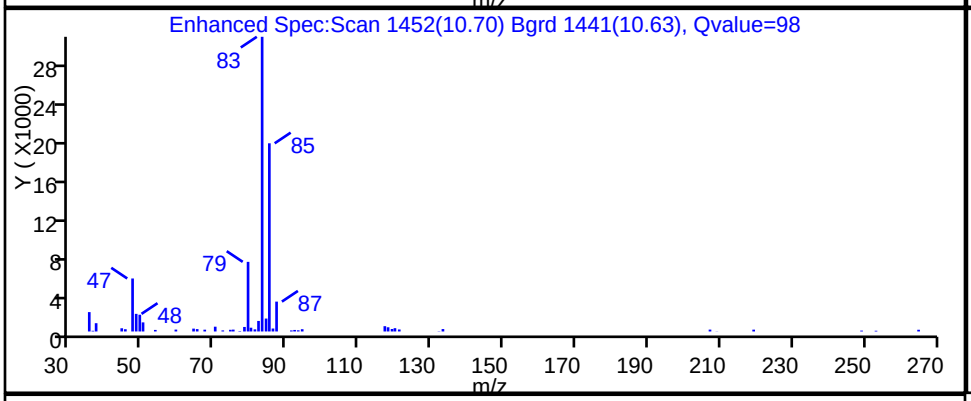
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D

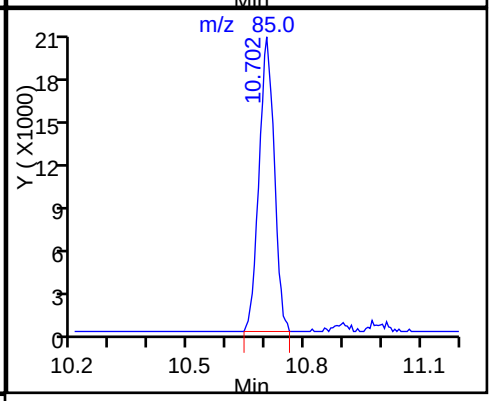
Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

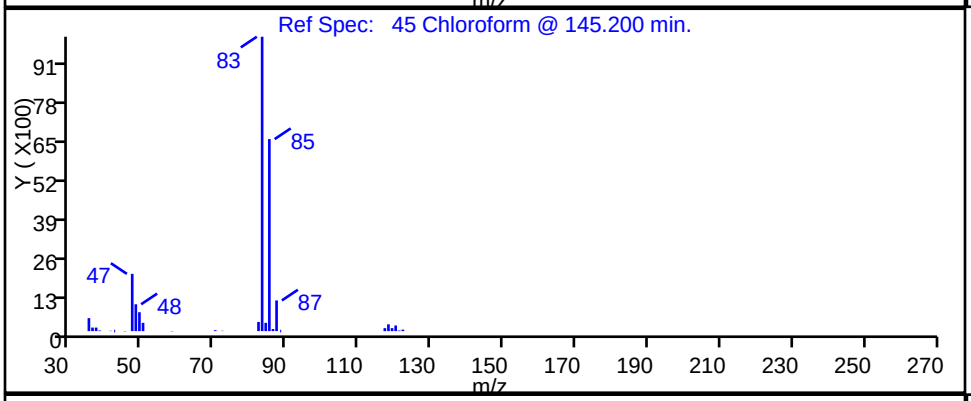
45 Chloroform, CAS: 67-66-3

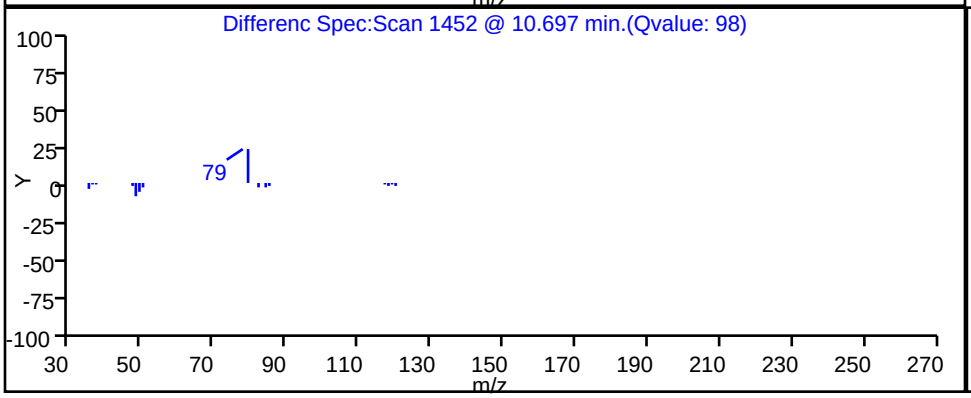


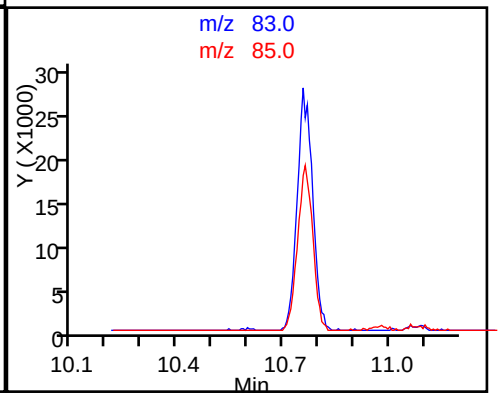












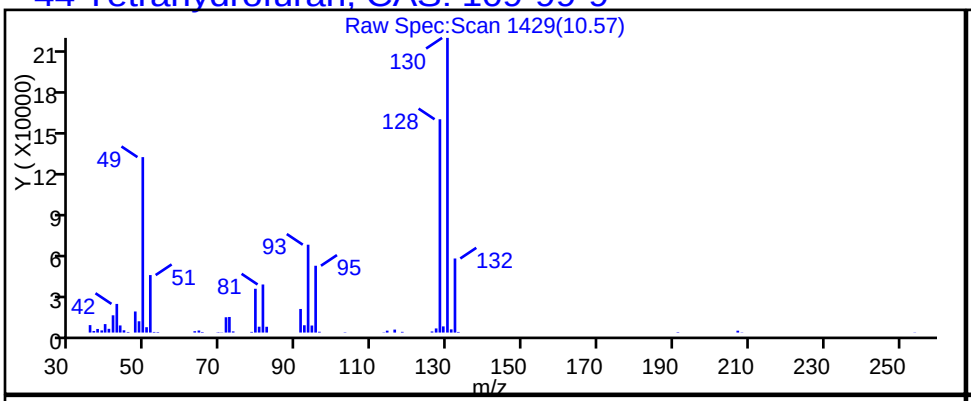
Report Date: 24-Feb-2014 11:38:49 Chrom Revision: 2.2 06-Feb-2014 15:19:06

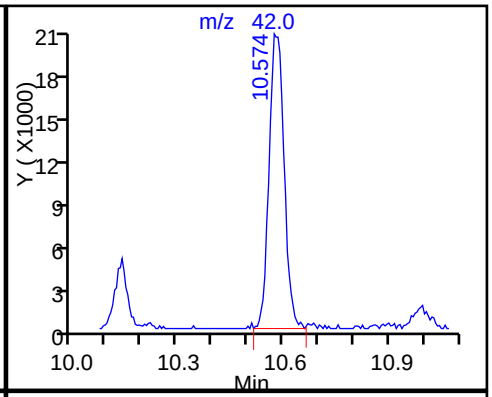
TestAmerica Burlington

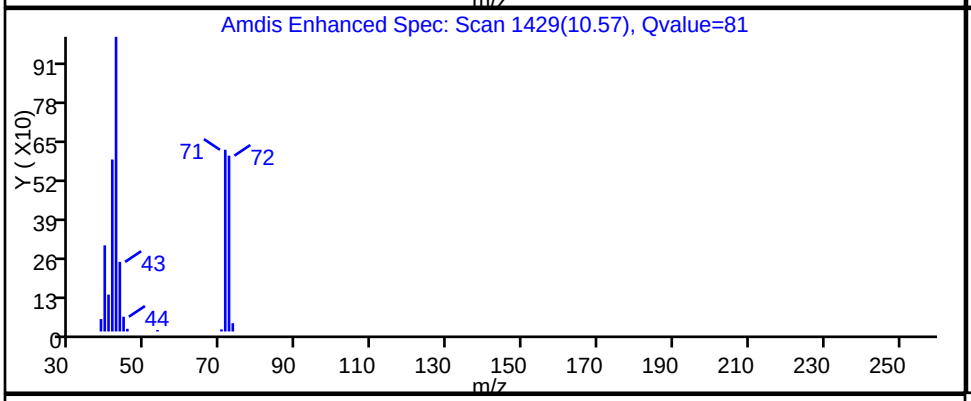
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D

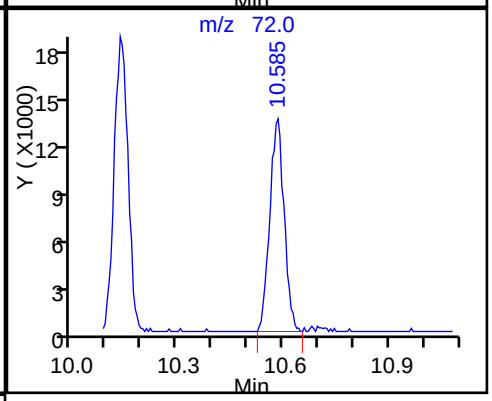
Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

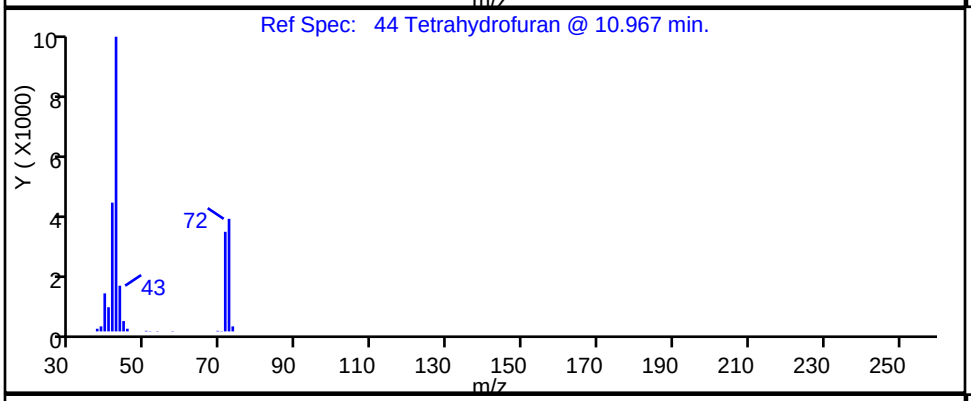
44 Tetrahydrofuran, CAS: 109-99-9

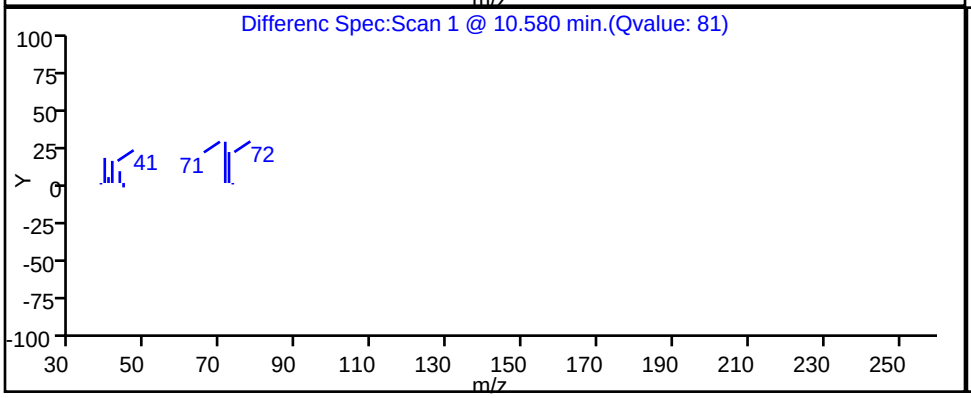


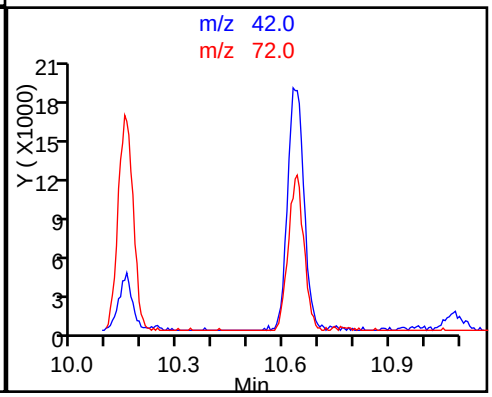










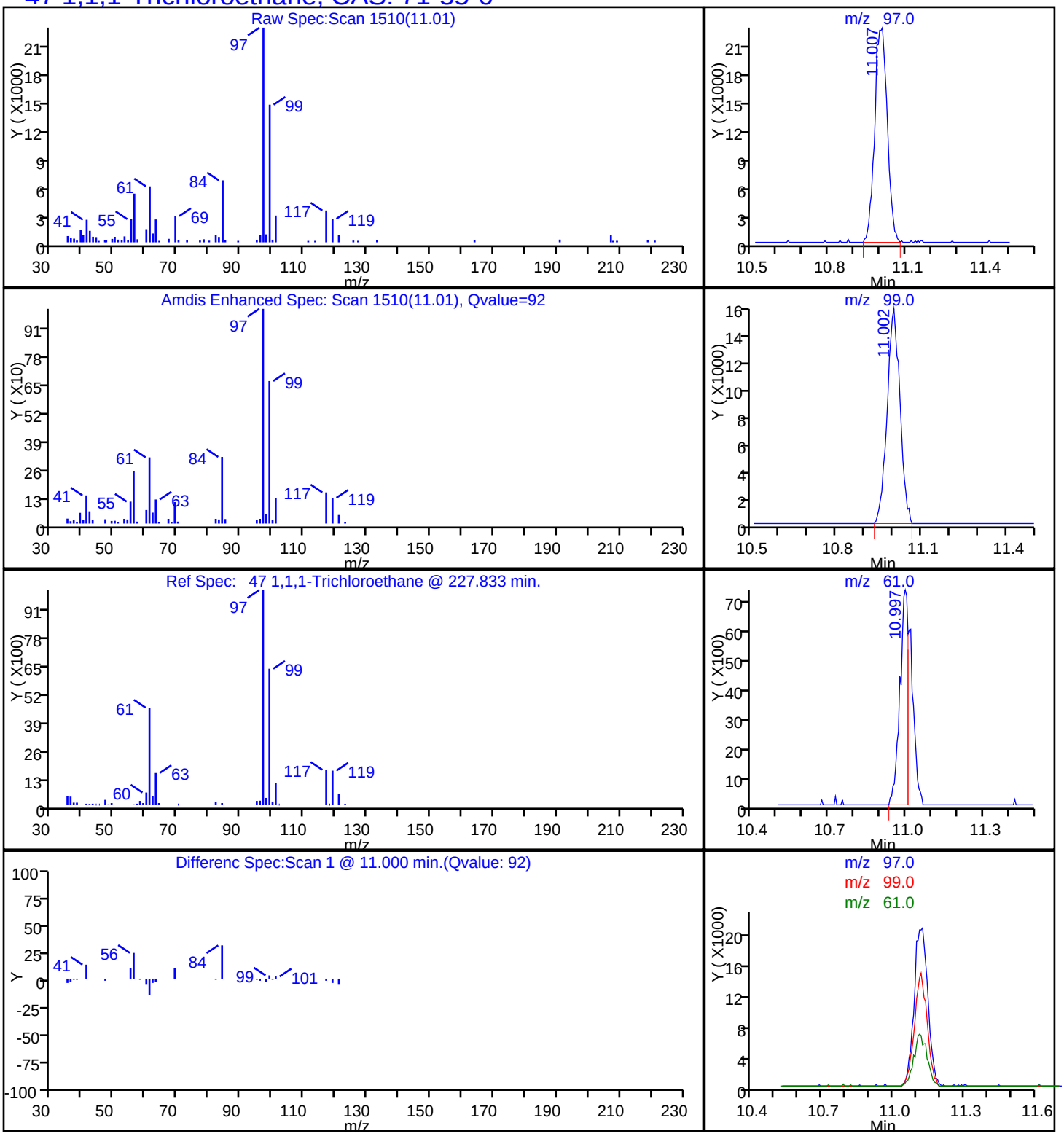


Report Date: 24-Feb-2014 11:38:49 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D				
Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



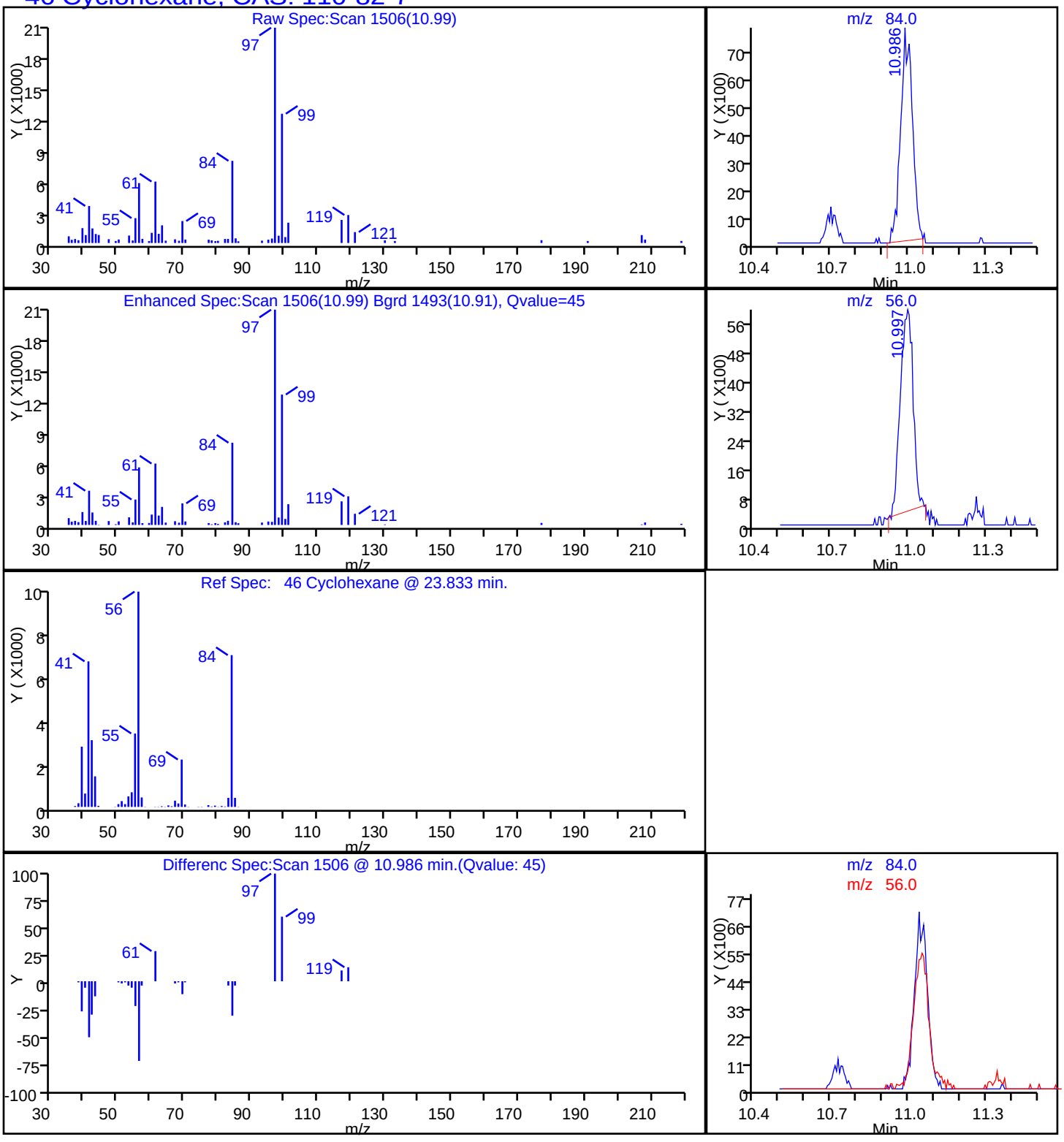
Report Date: 24-Feb-2014 11:38:49 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D

Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



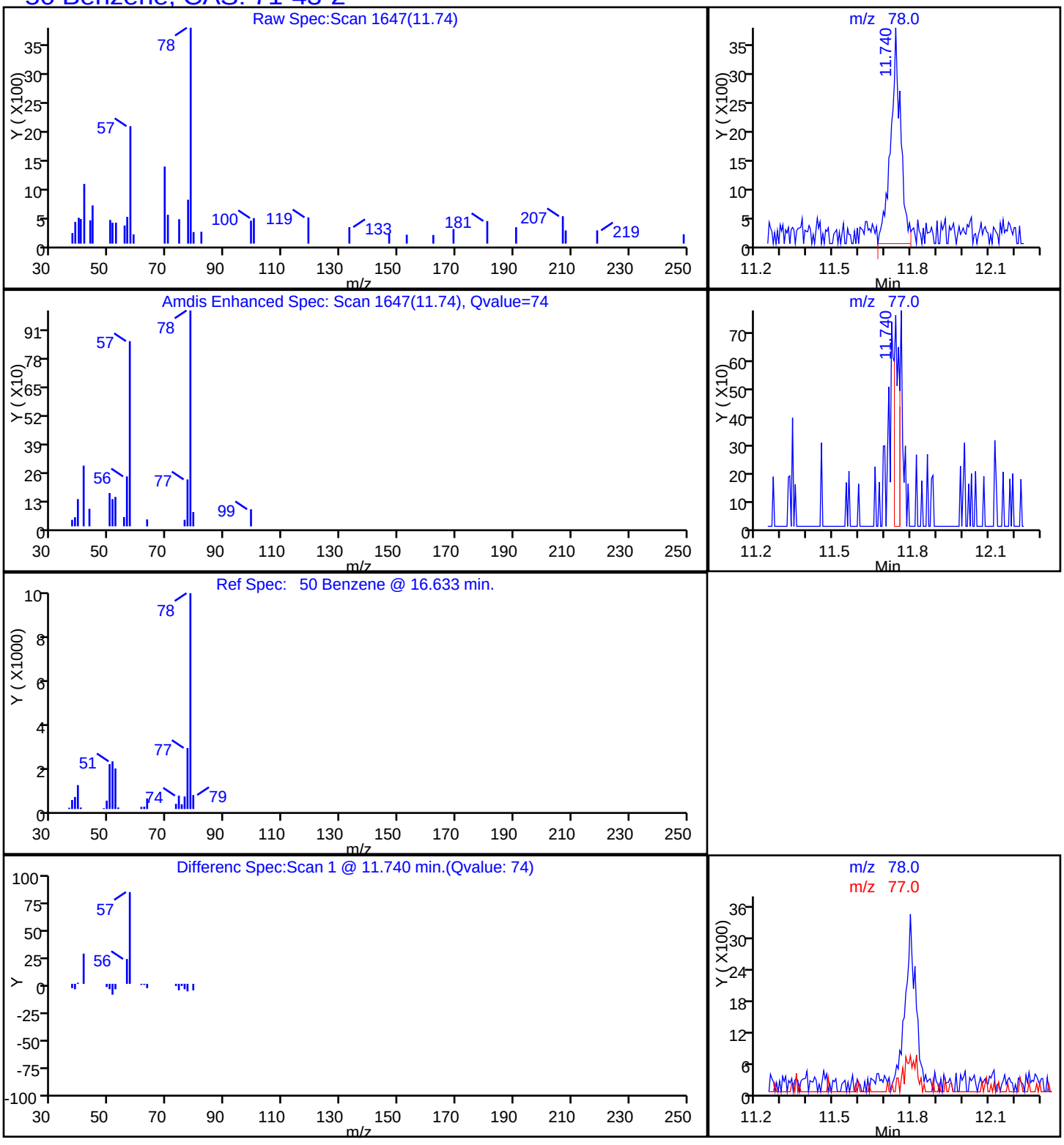
Report Date: 24-Feb-2014 11:38:49 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D

Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



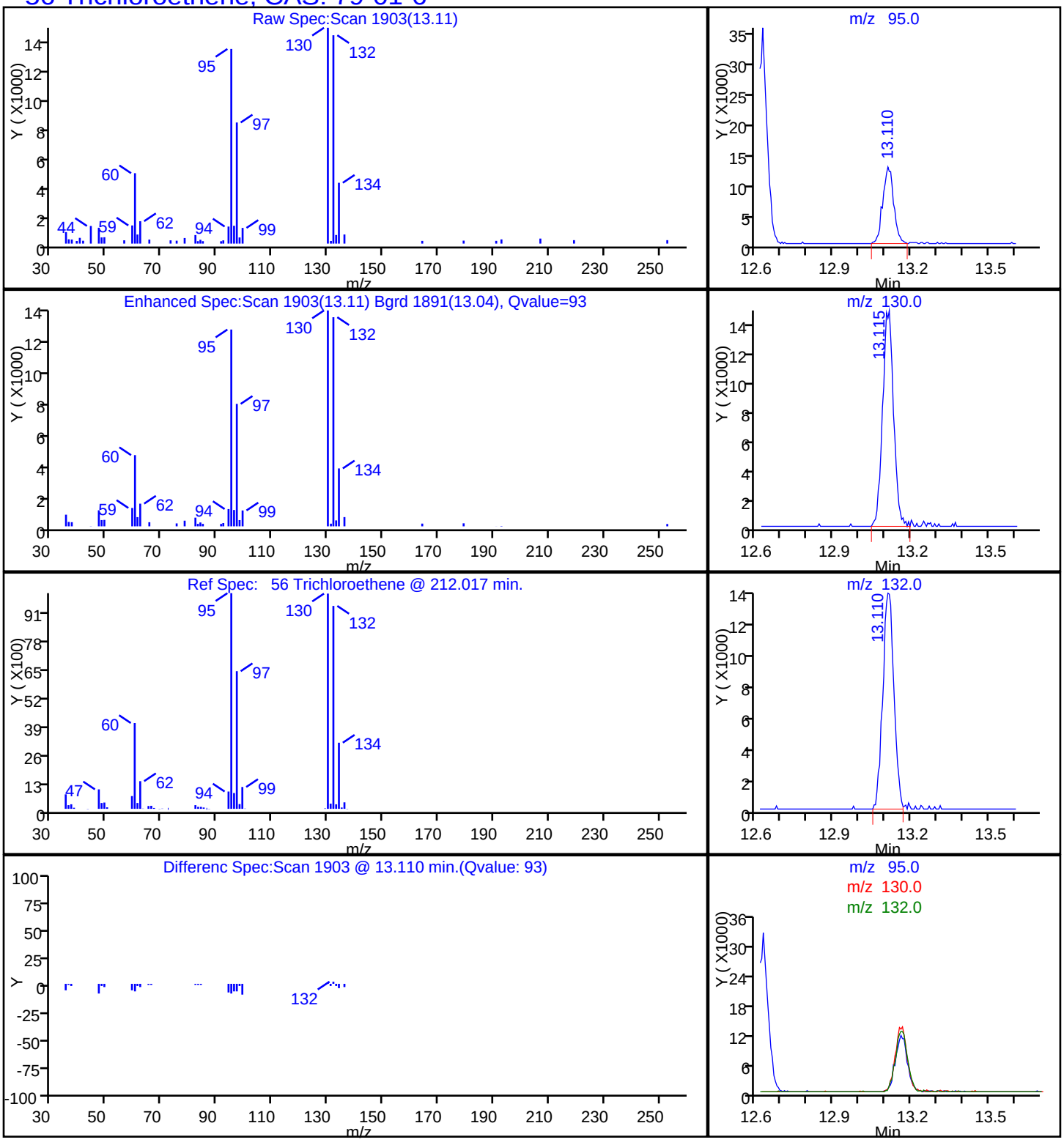
Report Date: 24-Feb-2014 11:38:49 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D

Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



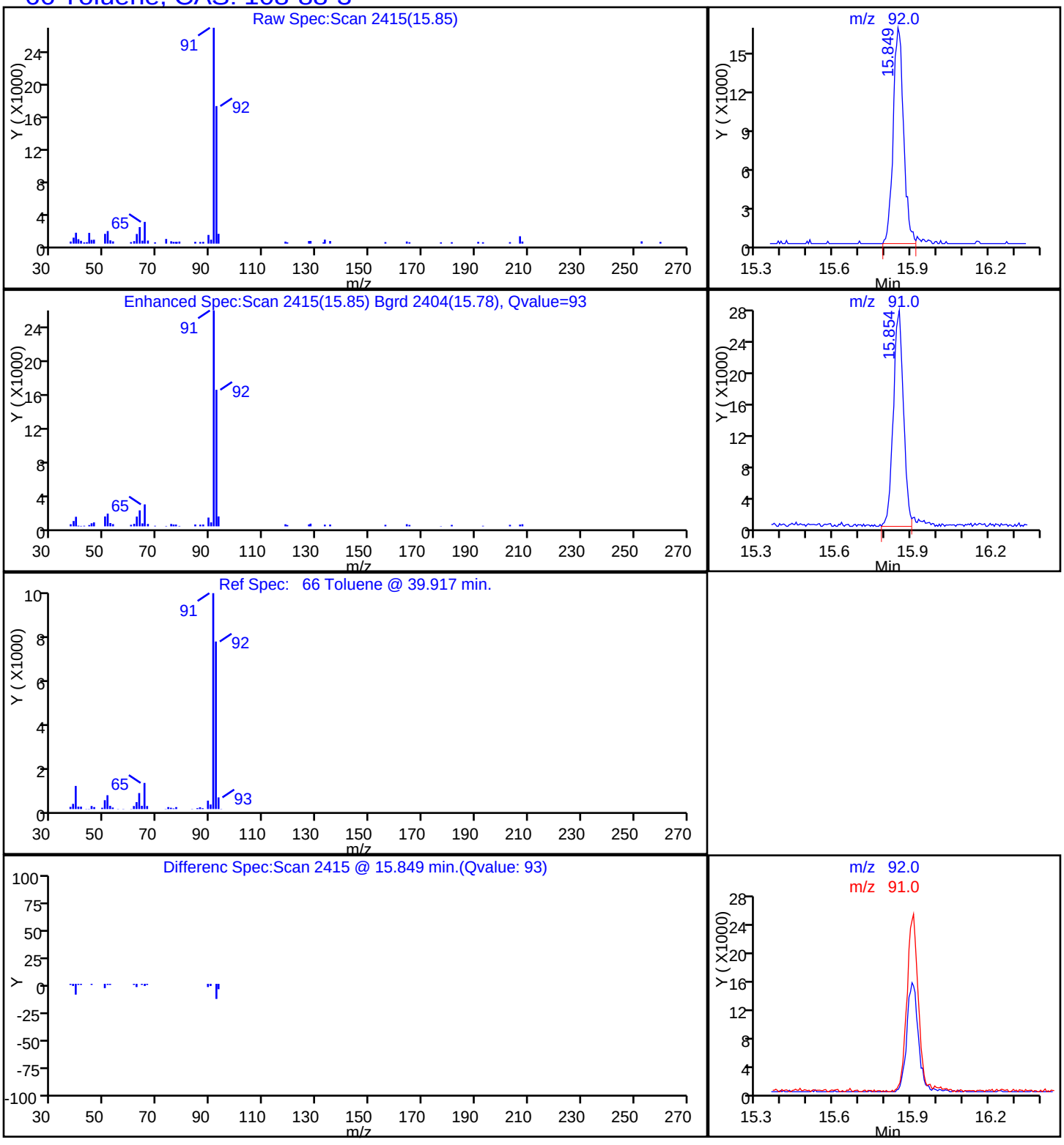
Report Date: 24-Feb-2014 11:38:49 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D

Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



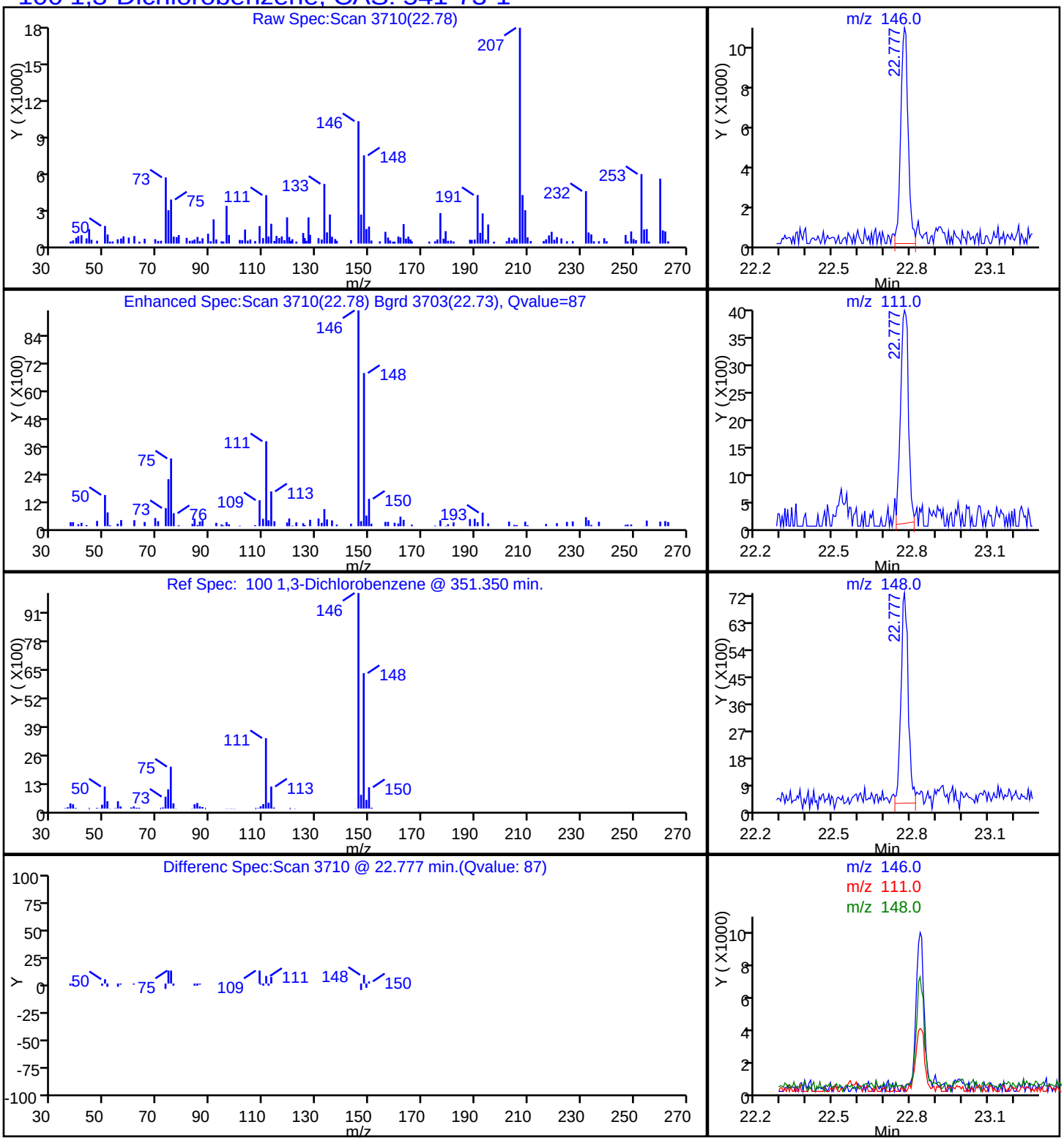
Report Date: 24-Feb-2014 11:38:49 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D

Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



Manual Integration/User Assign Peak Report

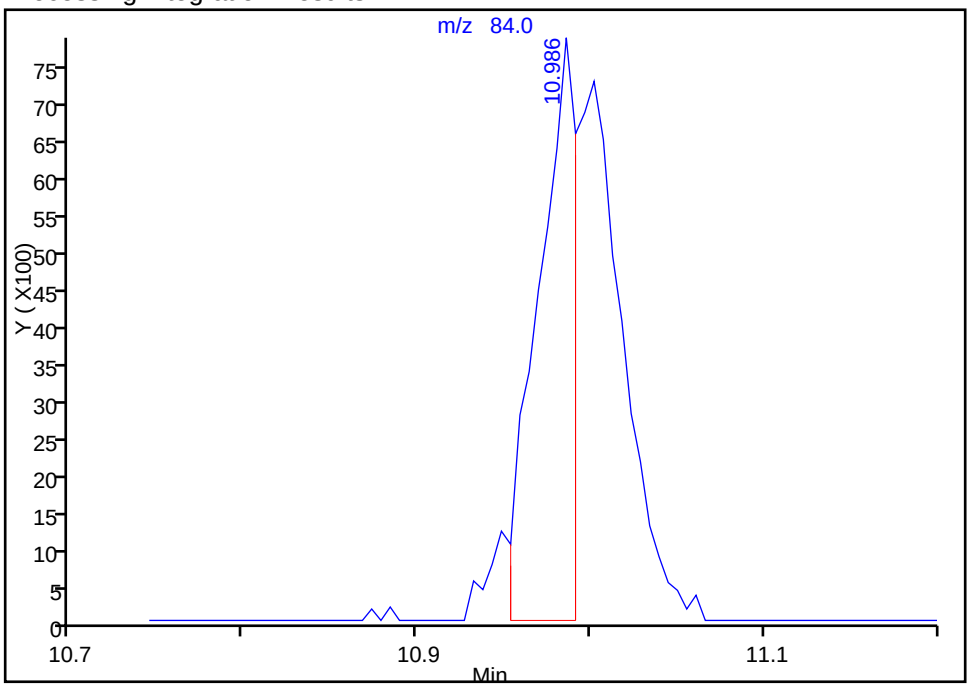
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D				
Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

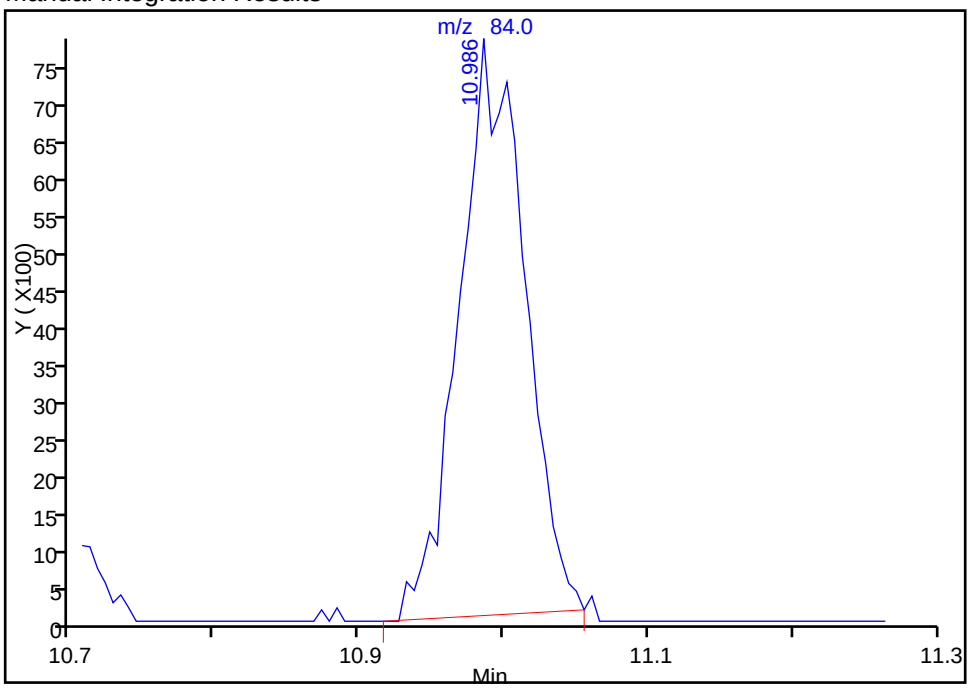
Processing Integration Results

RT: 10.99
Response: 12049
Amount: 0.126925



Manual Integration Results

RT: 10.99
Response: 24359
Amount: 0.256600



Reviewer: lyonsb, 24-Feb-2014 10:50:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

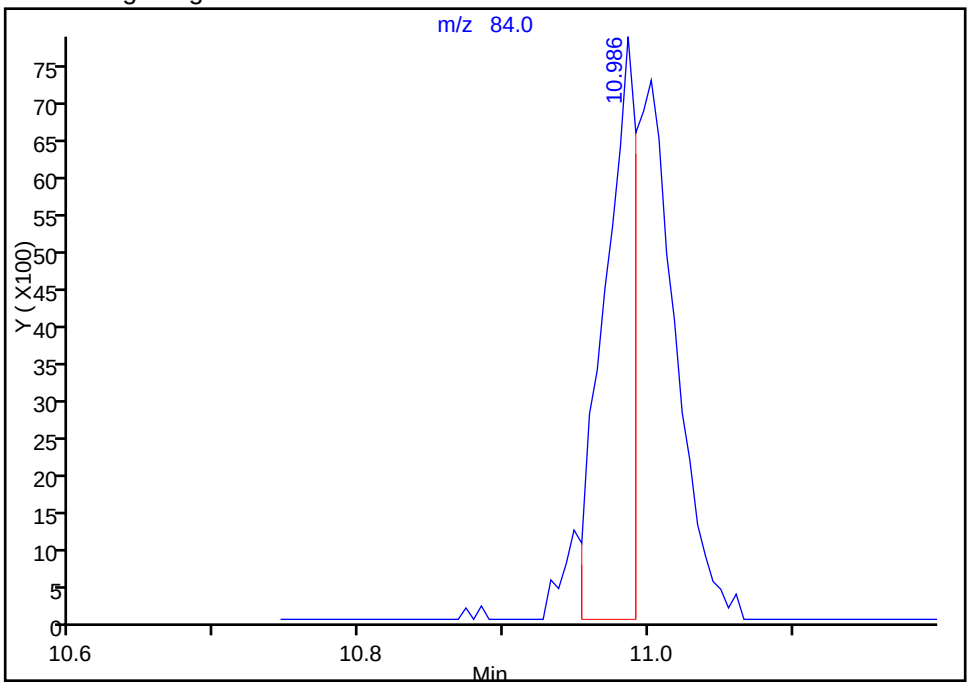
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_026.D				
Injection Date:	22-Feb-2014 06:58:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-16	Lab Sample ID:	200-20955-16		
Client ID:	SS-VMP-6A				
Operator ID:	bl	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

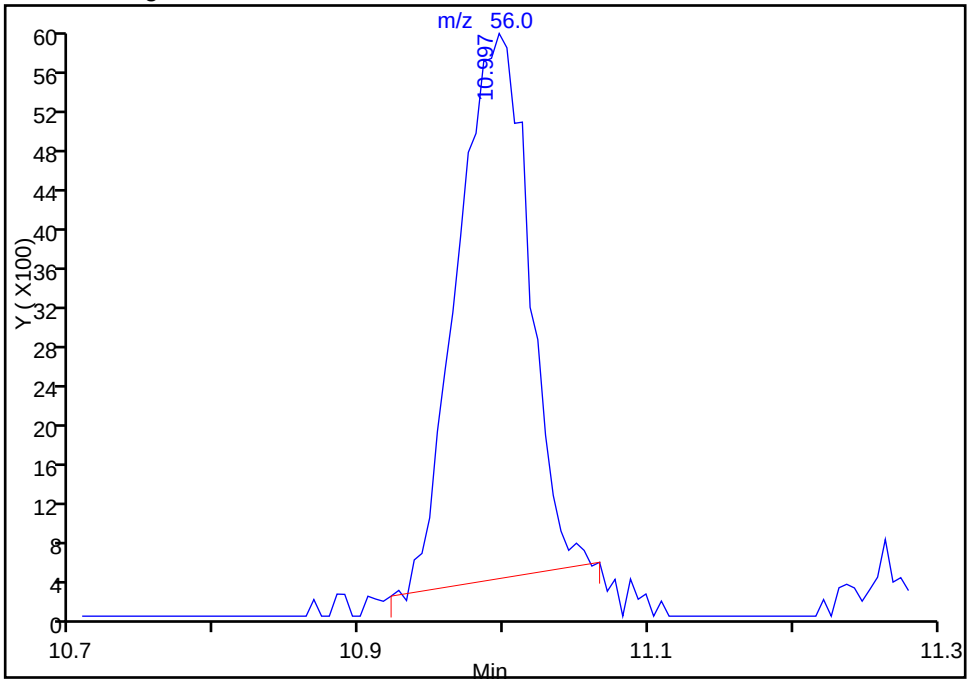
Processing Integration Results

RT: 10.99
Response: 0
Amount: 0.126925



Manual Integration Results

RT: 11.00
Response: 19254
Amount: 0.256600



Reviewer: lyonsb, 24-Feb-2014 10:50:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-6B Lab Sample ID: 200-20955-18

Matrix: Air Lab File ID: 6267_028.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:07

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 08:32

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	1.3	J	5.0	0.30
75-45-6	Freon 22	86.47	1.4	J	5.0	0.48
76-14-2	Freon-114	170.92	2.0	U	2.0	0.35
74-87-3	Chloromethane	50.49	5.0	U	5.0	1.4
106-97-8	n-Butane	58.12	5.0	U	5.0	2.8
75-01-4	Vinyl chloride	62.50	0.40	U	0.40	0.38
106-99-0	1,3-Butadiene	54.09	2.0	U	2.0	0.42
74-83-9	Bromomethane	94.94	2.0	U	2.0	0.28
75-00-3	Chloroethane	64.52	5.0	U	5.0	0.30
593-60-2	Vinyl bromide	106.96	2.0	U	2.0	0.30
75-69-4	Freon 11	137.37	2.0	U	2.0	0.30
76-13-1	Freon 113	187.38	0.55	J	2.0	0.18
75-35-4	1,1-Dichloroethene	96.94	2.0	U	2.0	0.24
67-64-1	Acetone	58.08	50	U	50	13
67-63-0	Isopropyl alcohol	60.10	400		50	2.2
75-15-0	Carbon disulfide	76.14	5.0	U	5.0	0.66
107-05-1	Allyl chloride	76.53	5.0	U	5.0	0.34
75-09-2	Methylene Chloride	84.93	120		5.0	1.3
75-65-0	tert-Butyl alcohol	74.12	50	U	50	3.3
1634-04-4	Methyl tert-butyl ether	88.15	2.0	U	2.0	0.22
156-60-5	trans-1,2-Dichloroethene	96.94	2.0	U	2.0	0.29
110-54-3	Hexane	86.17	2.0	U	2.0	0.34
75-34-3	1,1-Dichloroethane	98.96	0.62	J	2.0	0.38
78-93-3	Methyl Ethyl Ketone	72.11	10		5.0	2.4
156-59-2	cis-1,2-Dichloroethene	96.94	2.0	U	2.0	0.38
540-59-0	1,2-Dichloroethene, Total	96.94	2.0	U	2.0	0.64
67-66-3	Chloroform	119.38	2.0	U	2.0	0.25
109-99-9	Tetrahydrofuran	72.11	5.8	J	50	0.46
71-55-6	1,1,1-Trichloroethane	133.41	2.0	U	2.0	0.21
110-82-7	Cyclohexane	84.16	1.8	J	2.0	0.25
56-23-5	Carbon tetrachloride	153.81	0.37	J	0.40	0.21
540-84-1	2,2,4-Trimethylpentane	114.23	0.82	J	2.0	0.27
71-43-2	Benzene	78.11	0.60	J	2.0	0.19
107-06-2	1,2-Dichloroethane	98.96	0.41	J	2.0	0.17
142-82-5	Heptane	100.21	2.0	U	2.0	0.46

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-6B Lab Sample ID: 200-20955-18

Matrix: Air Lab File ID: 6267_028.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:07

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 08:32

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.39	J	0.40	0.24
80-62-6	Methyl methacrylate	100.12	5.0	U	5.0	0.30
78-87-5	1,2-Dichloropropane	112.99	2.0	U	2.0	0.32
123-91-1	1,4-Dioxane	88.11	50	U	50	2.0
75-27-4	Bromodichloromethane	163.83	0.34	J	2.0	0.17
10061-01-5	cis-1,3-Dichloropropene	110.97	2.0	U	2.0	0.28
108-10-1	methyl isobutyl ketone	100.16	5.0	U	5.0	0.27
108-88-3	Toluene	92.14	1.8	J	2.0	0.17
10061-02-6	trans-1,3-Dichloropropene	110.97	2.0	U	2.0	0.22
79-00-5	1,1,2-Trichloroethane	133.41	0.39	J	2.0	0.17
127-18-4	Tetrachloroethene	165.83	1.6	J	2.0	0.16
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.0	U	5.0	2.0
124-48-1	Dibromochloromethane	208.29	2.0	U	2.0	0.20
106-93-4	1,2-Dibromoethane	187.87	2.0	U	2.0	0.20
108-90-7	Chlorobenzene	112.56	0.43	J	2.0	0.081
100-41-4	Ethylbenzene	106.17	0.52	J	2.0	0.13
179601-23-1	m,p-Xylene	106.17	1.1	J	5.0	0.23
95-47-6	Xylene, o-	106.17	0.49	J	2.0	0.16
1330-20-7	Xylene (total)	106.17	1.6	J	2.0	0.34
100-42-5	Styrene	104.15	0.53	J	2.0	0.18
75-25-2	Bromoform	252.75	2.0	U	2.0	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.42	J	2.0	0.16
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.80
622-96-8	4-Ethyltoluene	120.20	0.44	J	2.0	0.18
108-67-8	1,3,5-Trimethylbenzene	120.20	0.46	J	2.0	0.12
95-49-8	2-Chlorotoluene	126.59	0.48	J	2.0	0.13
98-06-6	tert-Butylbenzene	134.22	0.48	J	2.0	0.17
95-63-6	1,2,4-Trimethylbenzene	120.20	0.52	J	2.0	0.14
135-98-8	sec-Butylbenzene	134.22	2.0	U	2.0	0.80
99-87-6	4-Isopropyltoluene	134.22	2.0	U	2.0	0.80
541-73-1	1,3-Dichlorobenzene	147.00	0.56	J	2.0	0.14
106-46-7	1,4-Dichlorobenzene	147.00	0.32	J	2.0	0.14
100-44-7	Benzyl chloride	126.58	2.0	U	2.0	0.80
104-51-8	n-Butylbenzene	134.22	2.0	U	2.0	0.80

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-6B Lab Sample ID: 200-20955-18

Matrix: Air Lab File ID: 6267_028.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:07

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 08:32

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.39	J	2.0	0.14
120-82-1	1,2,4-Trichlorobenzene	181.45	5.0	U	5.0	0.27
87-68-3	Hexachloro-1,3-butadiene	260.76	2.0	U	2.0	0.22
91-20-3	Naphthalene	128.17	5.0	U	5.0	2.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-6B Lab Sample ID: 200-20955-18

Matrix: Air Lab File ID: 6267_028.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:07

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 08:32

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	6.4	J	25	1.5
75-45-6	Freon 22	86.47	5.0	J	18	1.7
76-14-2	Freon-114	170.92	14	U	14	2.4
74-87-3	Chloromethane	50.49	10	U	10	2.8
106-97-8	n-Butane	58.12	12	U	12	6.7
75-01-4	Vinyl chloride	62.50	1.0	U	1.0	0.97
106-99-0	1,3-Butadiene	54.09	4.4	U	4.4	0.93
74-83-9	Bromomethane	94.94	7.8	U	7.8	1.1
75-00-3	Chloroethane	64.52	13	U	13	0.79
593-60-2	Vinyl bromide	106.96	8.7	U	8.7	1.3
75-69-4	Freon 11	137.37	11	U	11	1.7
76-13-1	Freon 113	187.38	4.2	J	15	1.4
75-35-4	1,1-Dichloroethene	96.94	7.9	U	7.9	0.95
67-64-1	Acetone	58.08	120	U	120	30
67-63-0	Isopropyl alcohol	60.10	970		120	5.3
75-15-0	Carbon disulfide	76.14	16	U	16	2.1
107-05-1	Allyl chloride	76.53	16	U	16	1.1
75-09-2	Methylene Chloride	84.93	410		17	4.3
75-65-0	tert-Butyl alcohol	74.12	150	U	150	9.9
1634-04-4	Methyl tert-butyl ether	88.15	7.2	U	7.2	0.79
156-60-5	trans-1,2-Dichloroethene	96.94	7.9	U	7.9	1.1
110-54-3	Hexane	86.17	7.0	U	7.0	1.2
75-34-3	1,1-Dichloroethane	98.96	2.5	J	8.1	1.5
78-93-3	Methyl Ethyl Ketone	72.11	29		15	7.1
156-59-2	cis-1,2-Dichloroethene	96.94	7.9	U	7.9	1.5
540-59-0	1,2-Dichloroethene, Total	96.94	7.9	U	7.9	2.5
67-66-3	Chloroform	119.38	9.8	U	9.8	1.2
109-99-9	Tetrahydrofuran	72.11	17	J	150	1.4
71-55-6	1,1,1-Trichloroethane	133.41	11	U	11	1.1
110-82-7	Cyclohexane	84.16	6.2	J	6.9	0.86
56-23-5	Carbon tetrachloride	153.81	2.3	J	2.5	1.3
540-84-1	2,2,4-Trimethylpentane	114.23	3.8	J	9.3	1.3
71-43-2	Benzene	78.11	1.9	J	6.4	0.61
107-06-2	1,2-Dichloroethane	98.96	1.7	J	8.1	0.69
142-82-5	Heptane	100.21	8.2	U	8.2	1.9

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-6B Lab Sample ID: 200-20955-18

Matrix: Air Lab File ID: 6267_028.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:07

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 08:32

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.1	J	2.1	1.3
80-62-6	Methyl methacrylate	100.12	20	U	20	1.2
78-87-5	1,2-Dichloropropane	112.99	9.2	U	9.2	1.5
123-91-1	1,4-Dioxane	88.11	180	U	180	7.2
75-27-4	Bromodichloromethane	163.83	2.3	J	13	1.1
10061-01-5	cis-1,3-Dichloropropene	110.97	9.1	U	9.1	1.3
108-10-1	methyl isobutyl ketone	100.16	20	U	20	1.1
108-88-3	Toluene	92.14	6.7	J	7.5	0.64
10061-02-6	trans-1,3-Dichloropropene	110.97	9.1	U	9.1	1.0
79-00-5	1,1,2-Trichloroethane	133.41	2.1	J	11	0.93
127-18-4	Tetrachloroethene	165.83	11	J	14	1.1
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	20	U	20	8.2
124-48-1	Dibromochloromethane	208.29	17	U	17	1.7
106-93-4	1,2-Dibromoethane	187.87	15	U	15	1.5
108-90-7	Chlorobenzene	112.56	2.0	J	9.2	0.37
100-41-4	Ethylbenzene	106.17	2.3	J	8.7	0.56
179601-23-1	m,p-Xylene	106.17	4.7	J	22	1.0
95-47-6	Xylene, o-	106.17	2.1	J	8.7	0.69
1330-20-7	Xylene (total)	106.17	6.9	J	8.7	1.5
100-42-5	Styrene	104.15	2.3	J	8.5	0.77
75-25-2	Bromoform	252.75	21	U	21	1.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.9	J	14	1.1
103-65-1	n-Propylbenzene	120.19	9.8	U	9.8	3.9
622-96-8	4-Ethyltoluene	120.20	2.2	J	9.8	0.88
108-67-8	1,3,5-Trimethylbenzene	120.20	2.3	J	9.8	0.59
95-49-8	2-Chlorotoluene	126.59	2.5	J	10	0.67
98-06-6	tert-Butylbenzene	134.22	2.6	J	11	0.93
95-63-6	1,2,4-Trimethylbenzene	120.20	2.5	J	9.8	0.69
135-98-8	sec-Butylbenzene	134.22	11	U	11	4.4
99-87-6	4-Isopropyltoluene	134.22	11	U	11	4.4
541-73-1	1,3-Dichlorobenzene	147.00	3.3	J	12	0.84
106-46-7	1,4-Dichlorobenzene	147.00	1.9	J	12	0.84
100-44-7	Benzyl chloride	126.58	10	U	10	4.1
104-51-8	n-Butylbenzene	134.22	11	U	11	4.4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-6B Lab Sample ID: 200-20955-18

Matrix: Air Lab File ID: 6267_028.D

Analysis Method: TO-15 Date Collected: 02/12/2014 17:07

Sample wt/vol: 20(mL) Date Analyzed: 02/22/2014 08:32

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68745 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	2.3	J	12	0.84
120-82-1	1,2,4-Trichlorobenzene	181.45	37	U	37	2.0
87-68-3	Hexachloro-1,3-butadiene	260.76	21	U	21	2.3
91-20-3	Naphthalene	128.17	26	U	26	10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D
Lims ID: 200-20955-A-18 Lab Sample ID: 200-20955-18
Client ID: SS-VMP-6B
Sample Type: Client
Inject. Date: 22-Feb-2014 08:32:30 ALS Bottle#: 25 Worklist Smp#: 28
Purge Vol: 200.000 mL Dil. Factor: 10.0000
Sample Info: 200-0006267-028
Misc. Info.: 20955-18
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:53:43 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85	3.132	3.127	0.005	87	27220	0.1302	
	6 Chlorodifluoromethane	51	3.186	3.181	0.006	84	11138	0.1415	
	7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.405					
	8 Chloromethane	50		3.539					
	9 Butane	43		3.758					
	10 Vinyl chloride	62	3.790	3.796	-0.006	50	1871	0.0344	
	11 Butadiene	54		3.876					
	12 Bromomethane	94		4.577					
	14 Chloroethane	64		4.828					
	16 Vinyl bromide	106		5.229					
	17 Trichlorofluoromethane	101		5.347					
	23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	84	8267	0.0552	
	24 1,1-Dichloroethene	96		6.497					
	25 Acetone	43		6.717					
	26 Carbon disulfide	76		6.883					
	27 Isopropyl alcohol	45	7.038	7.038	0.0	98	1867029	39.5	
	29 3-Chloro-1-propene	41		7.300					
	31 Methylene Chloride	49	7.594	7.599	-0.005	81	561103	11.9	
	32 2-Methyl-2-propanol	59		7.835					
	33 Methyl tert-butyl ether	73		8.038					
	34 trans-1,2-Dichloroethene	61		8.059					
	36 Hexane	57		8.493					
	37 1,1-Dichloroethane	63	8.948	8.947	0.001	22	6043	0.0616	M
	39 cis-1,2-Dichloroethene	96		10.087					
	40 2-Butanone (MEK)	72	10.135	10.135	0.0	98	28999	1.00	
S	41 1,2-Dichloroethene, Total	61		10.200					
*	43 Chlorobromomethane	128	10.558	10.563	-0.005	68	666395	10.0	
	44 Tetrahydrofuran	42	10.590	10.579	0.011	82	26584	0.5839	
	45 Chloroform	83		10.702					
	46 Cyclohexane	84	10.996	10.991	0.005	75	17070	0.1787	M
	47 1,1,1-Trichloroethane	97		11.002					
	48 Carbon tetrachloride	117	11.269	11.269	0.0	83	10693	0.0371	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v		Flags
	50	Benzene	78	11.735	11.740	-0.005	86	15209	0.0595		M
	51	Isooctane	57	11.751	11.761	-0.010	92	25035	0.0821		
	52	1,2-Dichloroethane	62	11.901	11.911	-0.010	51	5215	0.0409		
	53	n-Heptane	43		12.168						
*	54	1,4-Difluorobenzene	114	12.623	12.623	0.0	91	3827862	10.0		
	56	Trichloroethene	95	13.110	13.110	0.0	72	7050	0.0389		M
	58	1,2-Dichloropropane	63		13.682						
	59	Methyl methacrylate	69		13.880						
	60	1,4-Dioxane	88		13.917						
	62	Dichlorobromomethane	83	14.254	14.249	0.005	82	10073	0.0337		
	64	cis-1,3-Dichloropropene	75		15.228						
	65	4-Methyl-2-pentanone (MIBK)	43		15.528						
	66	Toluene	92	15.849	15.849	0.0	91	46666	0.1772		
	70	trans-1,3-Dichloropropene	75		16.437						
	71	1,1,2-Trichloroethane	83	16.817	16.812	0.005	79	5132	0.0389		
	72	Tetrachloroethene	166	16.961	16.961	0.0	95	46651	0.1648		
	73	2-Hexanone	43		17.282						
	74	Chlorodibromomethane	129		17.587						
	75	Ethylene Dibromide	107		17.860						
*	76	Chlorobenzene-d5	117	18.786	18.786	0.0	81	3595336	10.0		
	77	Chlorobenzene	112	18.839	18.844	-0.005	54	16307	0.0427		
	78	Ethylbenzene	91	19.010	19.016	-0.006	83	28687	0.0524		
	80	m-Xylene & p-Xylene	106	19.267	19.272	-0.005	98	24058	0.1076		
S	82	Xylenes, Total	106				0		0.1564		7
	83	o-Xylene	106	20.096	20.102	-0.006	68	11392	0.0488		
	84	Styrene	104	20.150	20.144	0.006	91	16558	0.0533		
	85	Bromoform	173		20.530						
$	87	4-Bromofluorobenzene	95	21.107	21.107	0.0	98	1768589	NC		
	88	1,1,2,2-Tetrachloroethane	83	21.370	21.364	0.006	85	13278	0.0418		
	90	N-Propylbenzene	91		21.471						
	92	2-Chlorotoluene	91	21.648	21.653	-0.005	83	21685	0.0483		
	91	4-Ethyltoluene	105	21.653	21.653	0.0	81	23631	0.0438		
	94	1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	88	24774	0.0464		
	96	tert-Butylbenzene	119	22.236	22.242	-0.006	82	25884	0.0478		
	97	1,2,4-Trimethylbenzene	105	22.332	22.332	0.0	92	26727	0.0517		
	98	sec-Butylbenzene	105		22.562						
	99	4-Isopropyltoluene	119		22.760						
	100	1,3-Dichlorobenzene	146	22.782	22.776	0.006	88	17859	0.0557		
	101	1,4-Dichlorobenzene	146	22.916	22.910	0.006	73	10056	0.0323		
	102	Benzyl chloride	91		23.103						
	103	n-Butylbenzene	91		23.338						
	105	1,2-Dichlorobenzene	146	23.445	23.451	-0.006	75	13180	0.0389		
	107	1,2,4-Trichlorobenzene	180		26.013						
	108	Hexachlorobutadiene	225		26.227						
	109	Naphthalene	128		26.505						

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

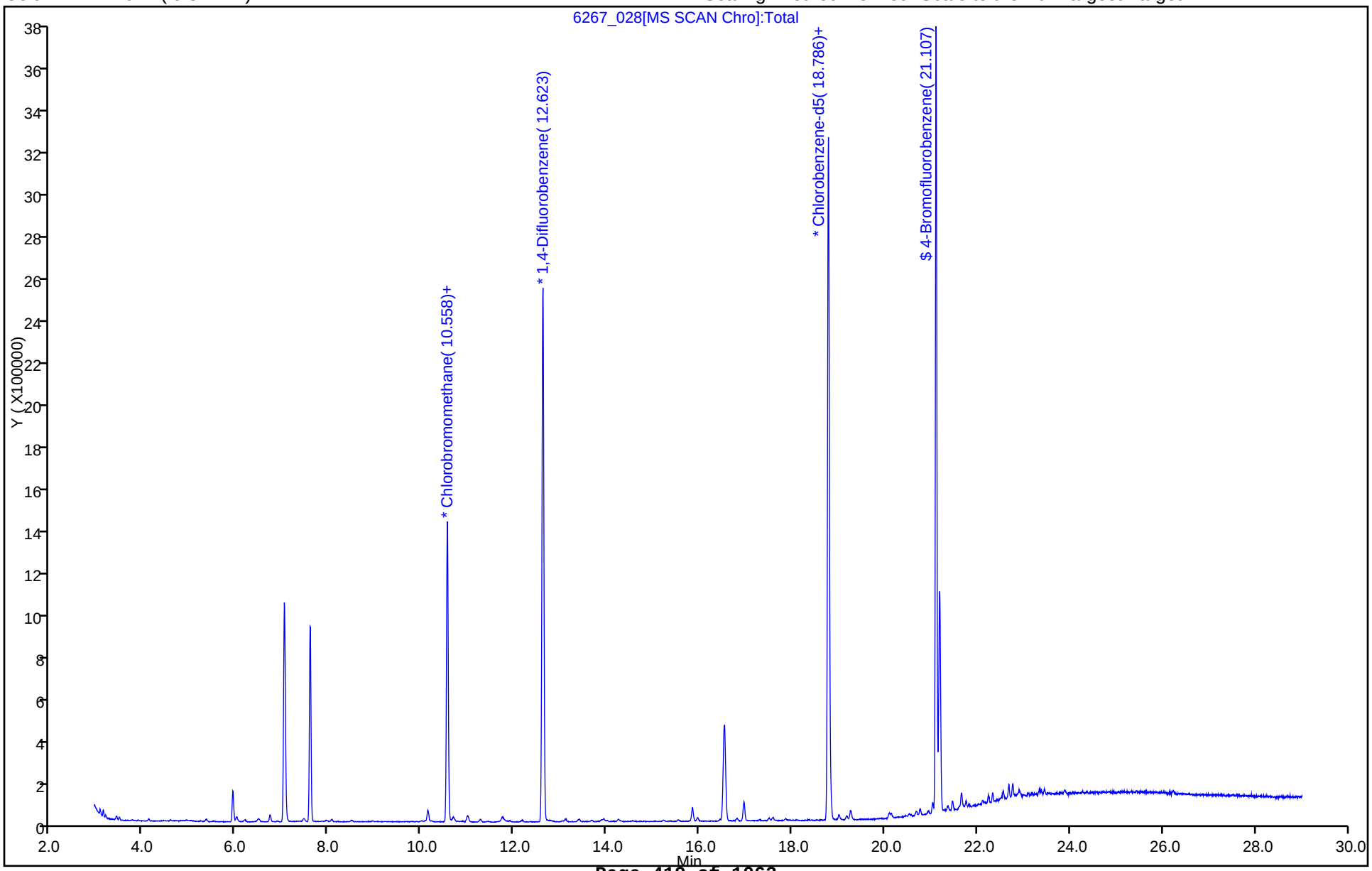
Report Date: 24-Feb-2014 11:53:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18	Worklist Smp#:	28
Client ID:	SS-VMP-6B				
Purge Vol:	200.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	25
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



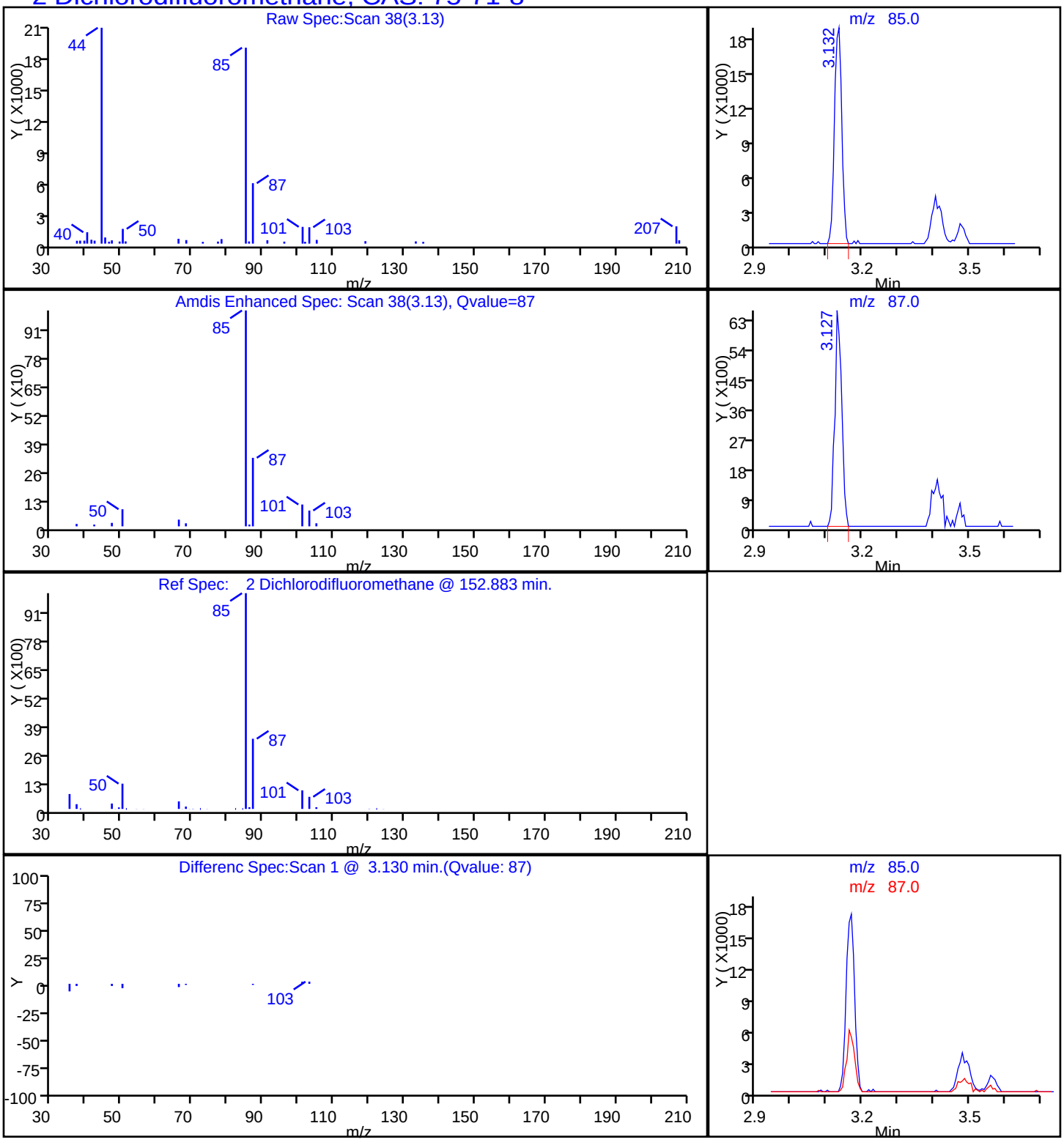
Report Date: 24-Feb-2014 11:53:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8



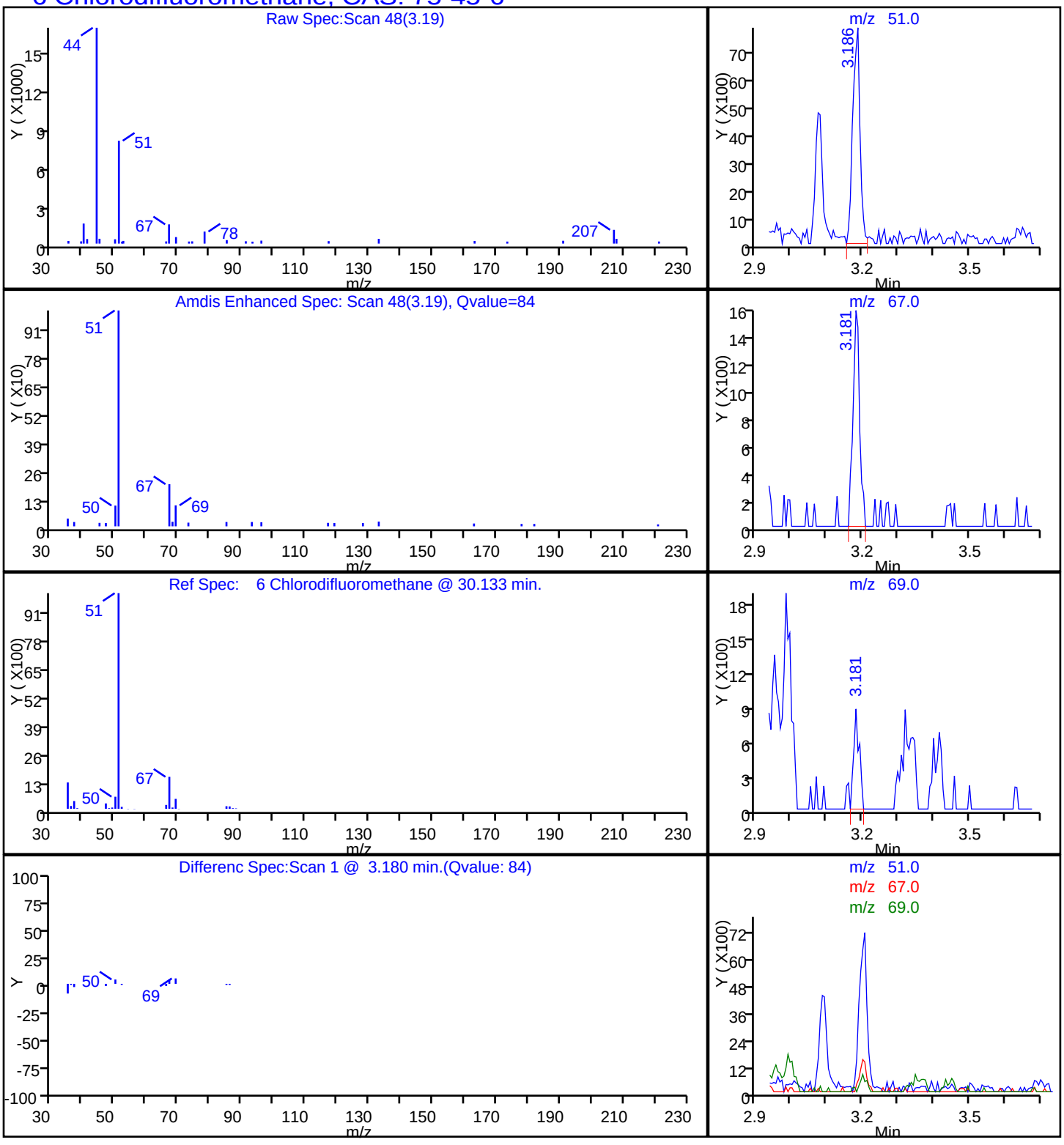
Report Date: 24-Feb-2014 11:53:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



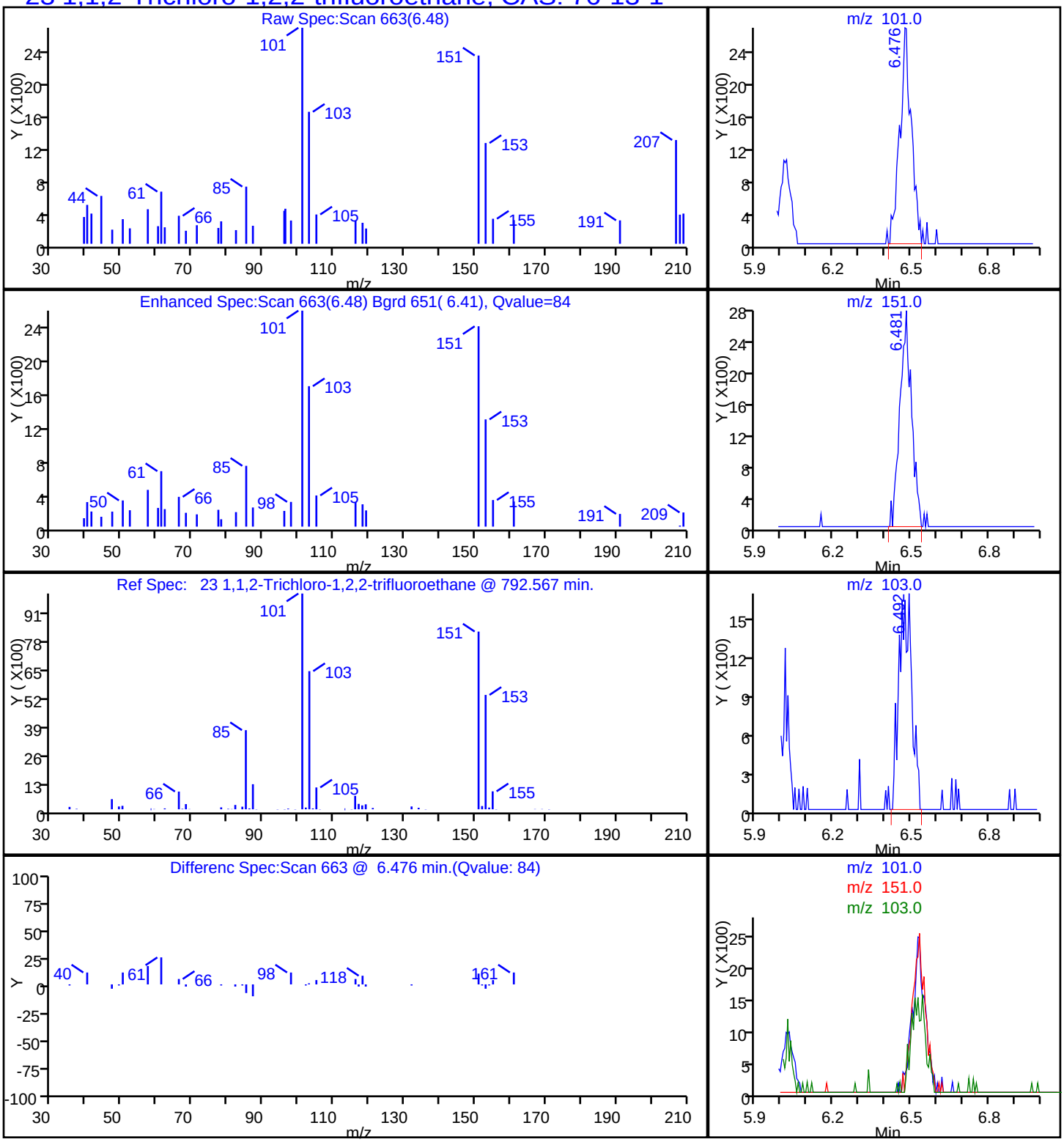
Report Date: 24-Feb-2014 11:53:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



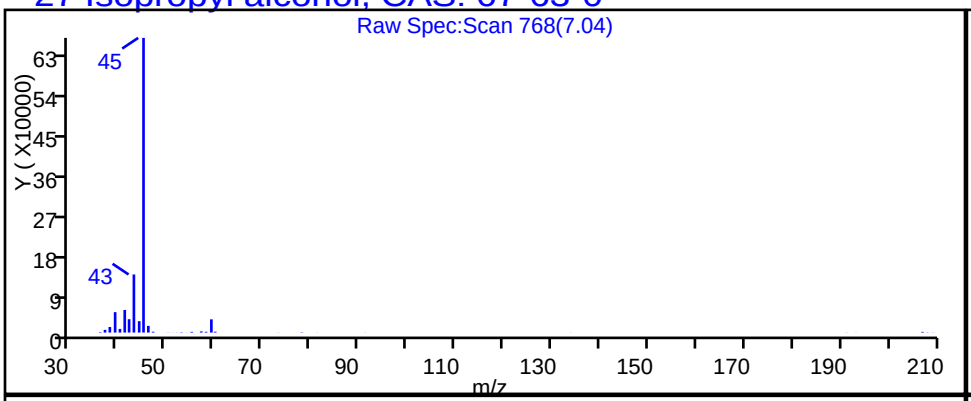
Report Date: 24-Feb-2014 11:53:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

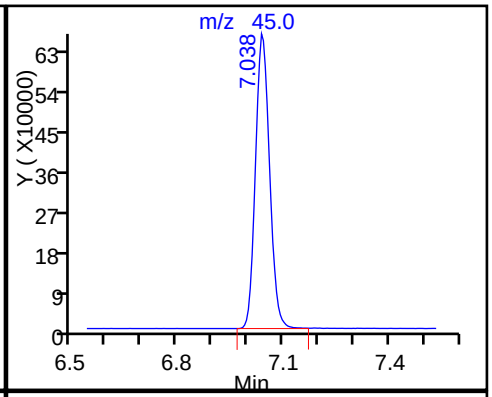
TestAmerica Burlington

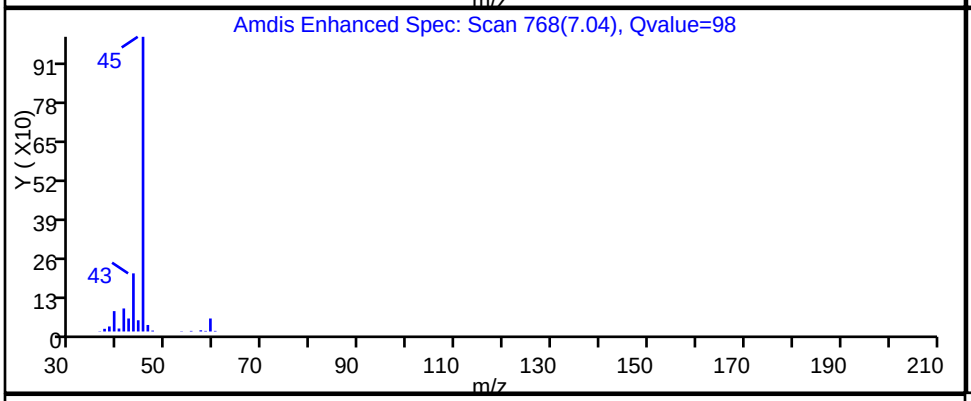
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

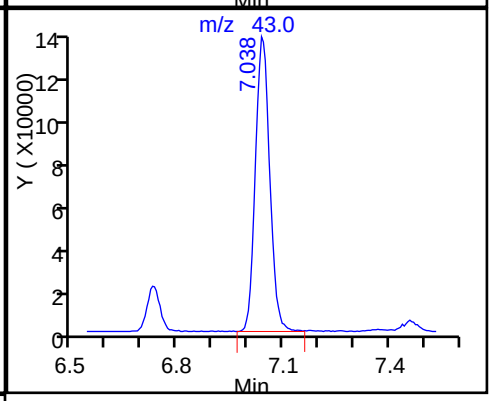
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

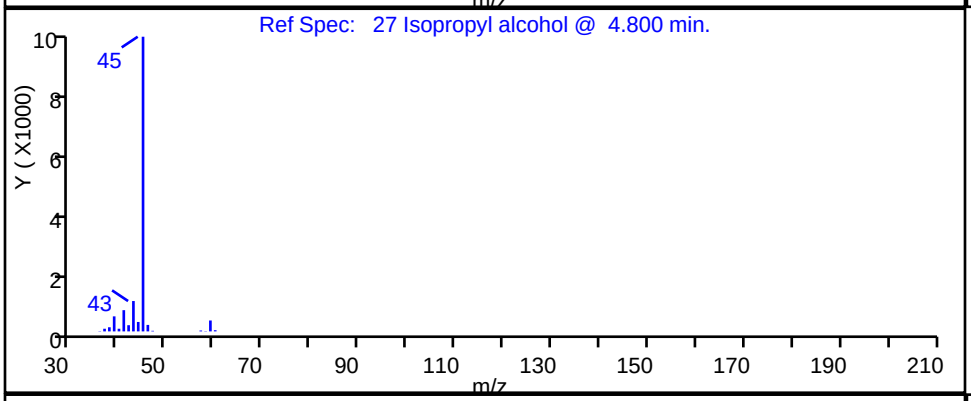
27 Isopropyl alcohol, CAS: 67-63-0

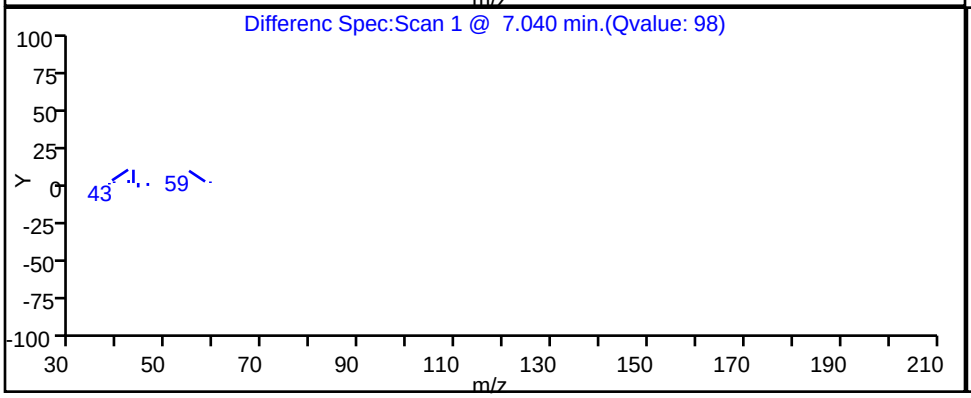


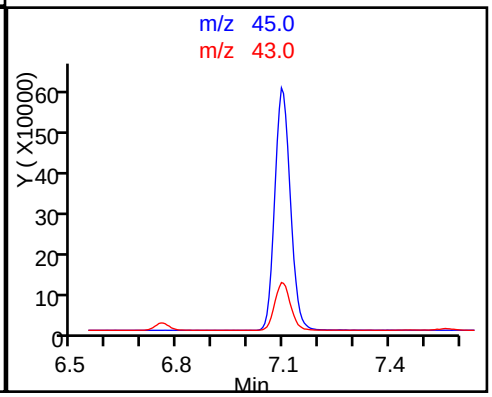










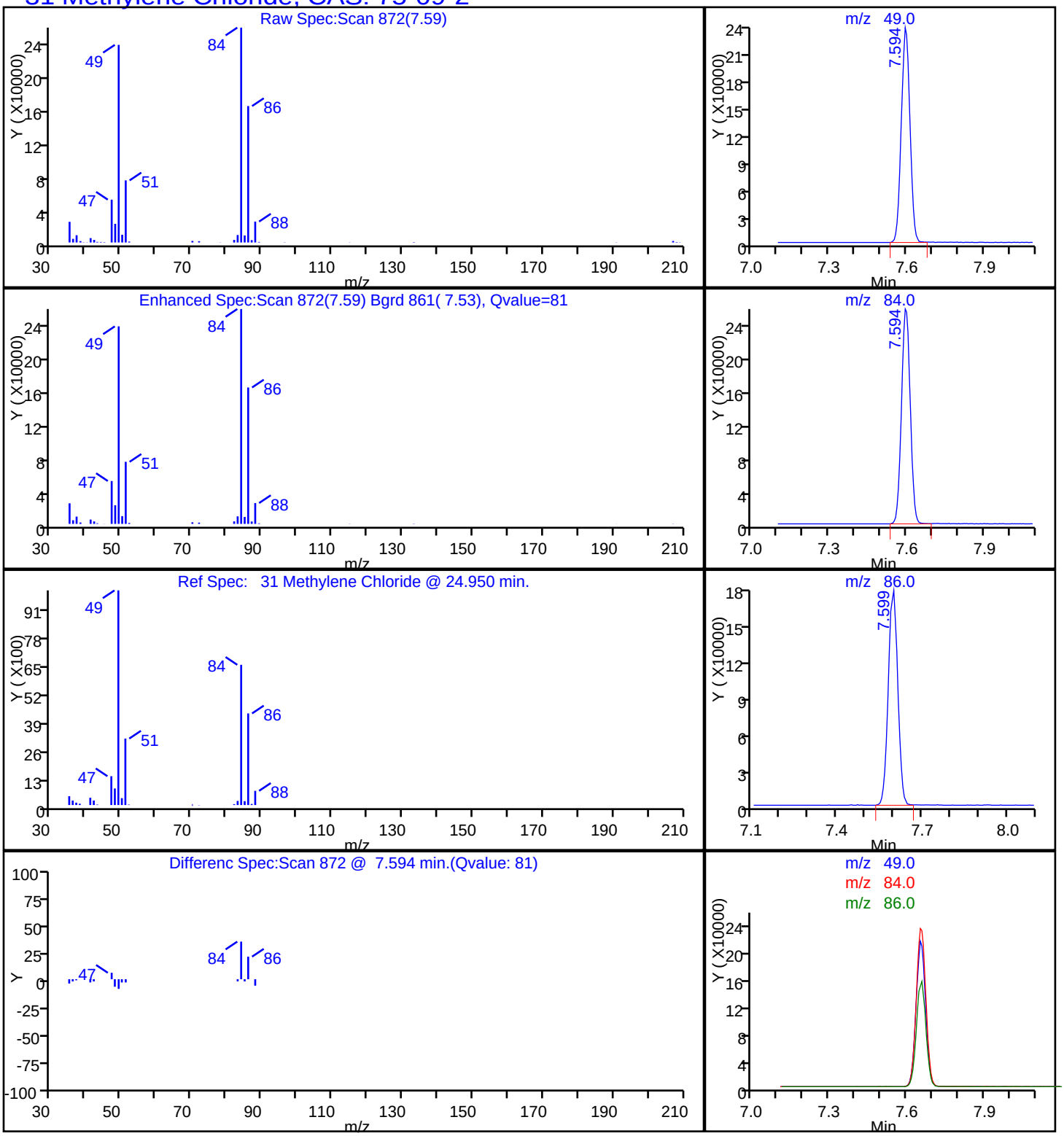


Report Date: 24-Feb-2014 11:53:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D				
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



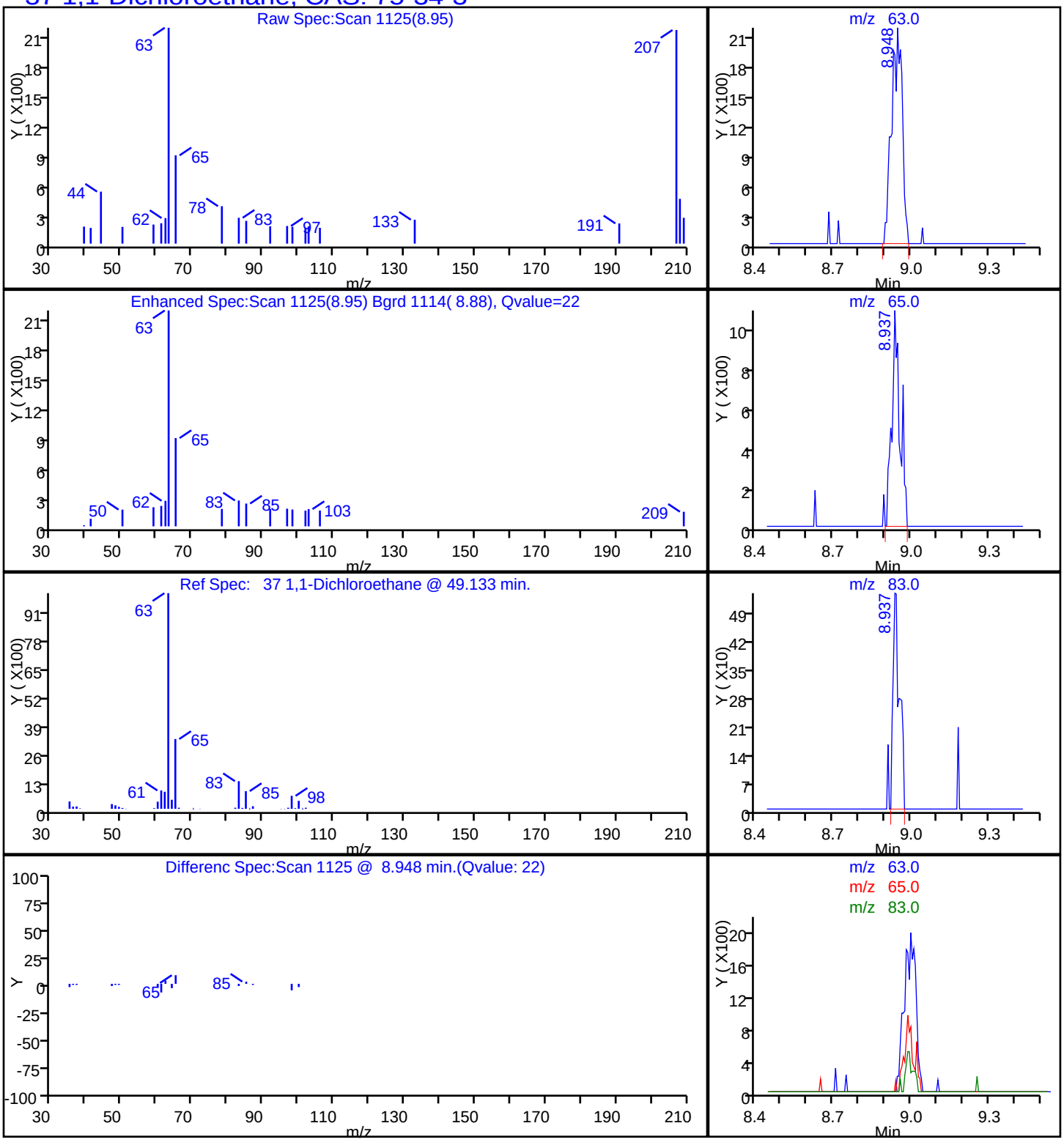
Report Date: 24-Feb-2014 11:53:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



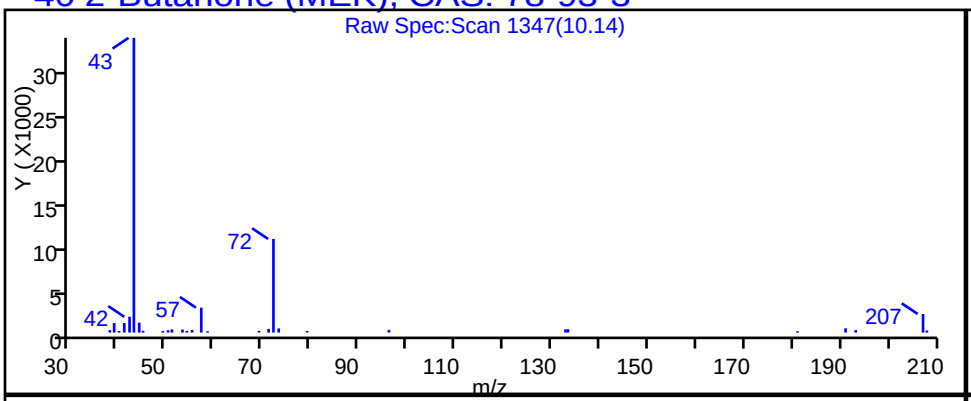
Report Date: 24-Feb-2014 11:53:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

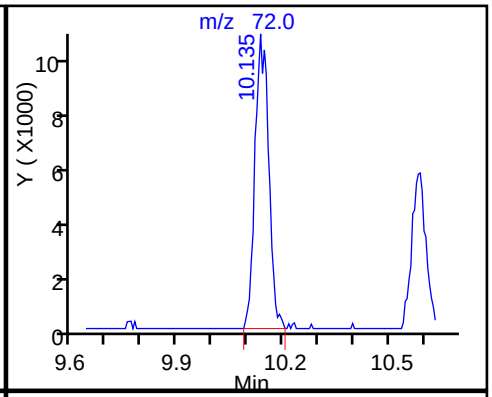
TestAmerica Burlington

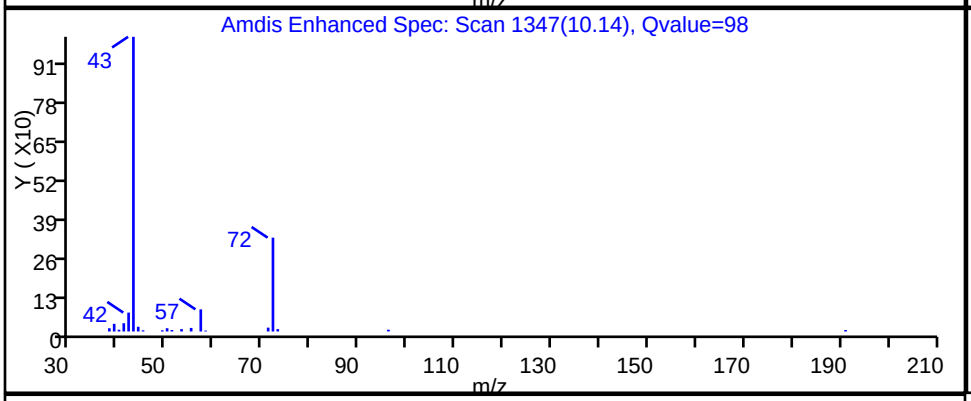
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

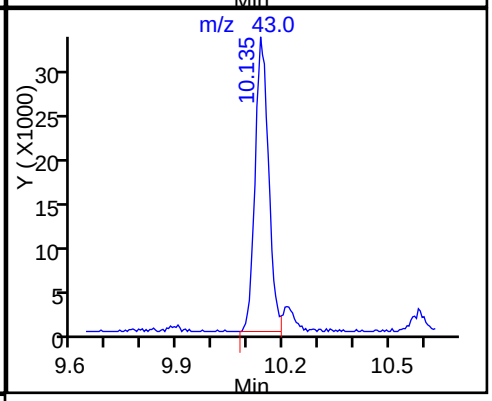
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

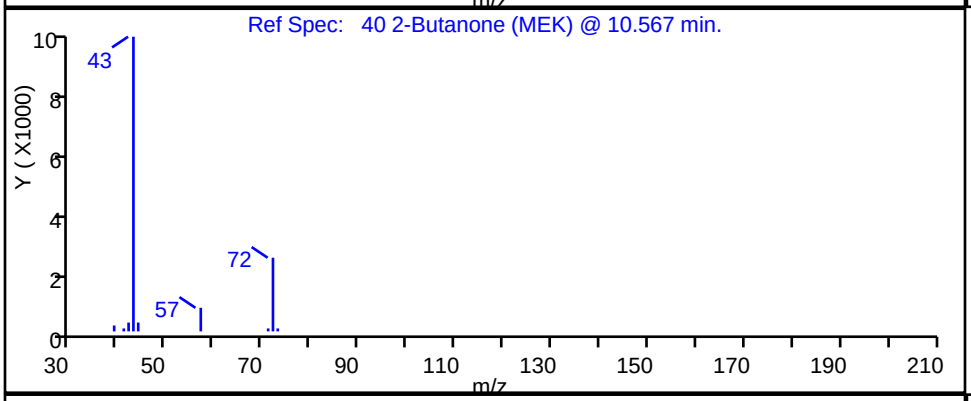
40 2-Butanone (MEK), CAS: 78-93-3

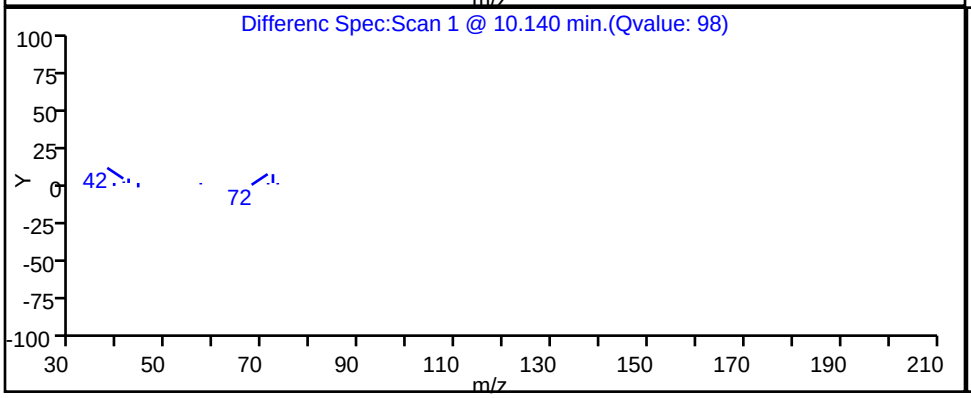


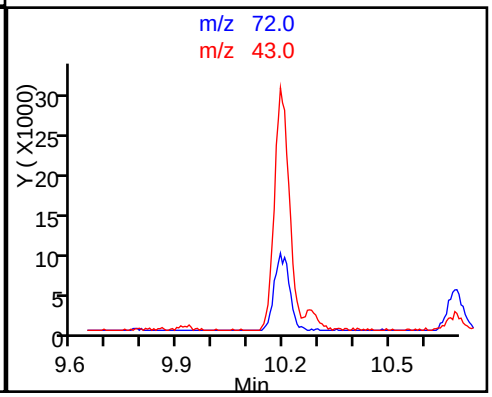












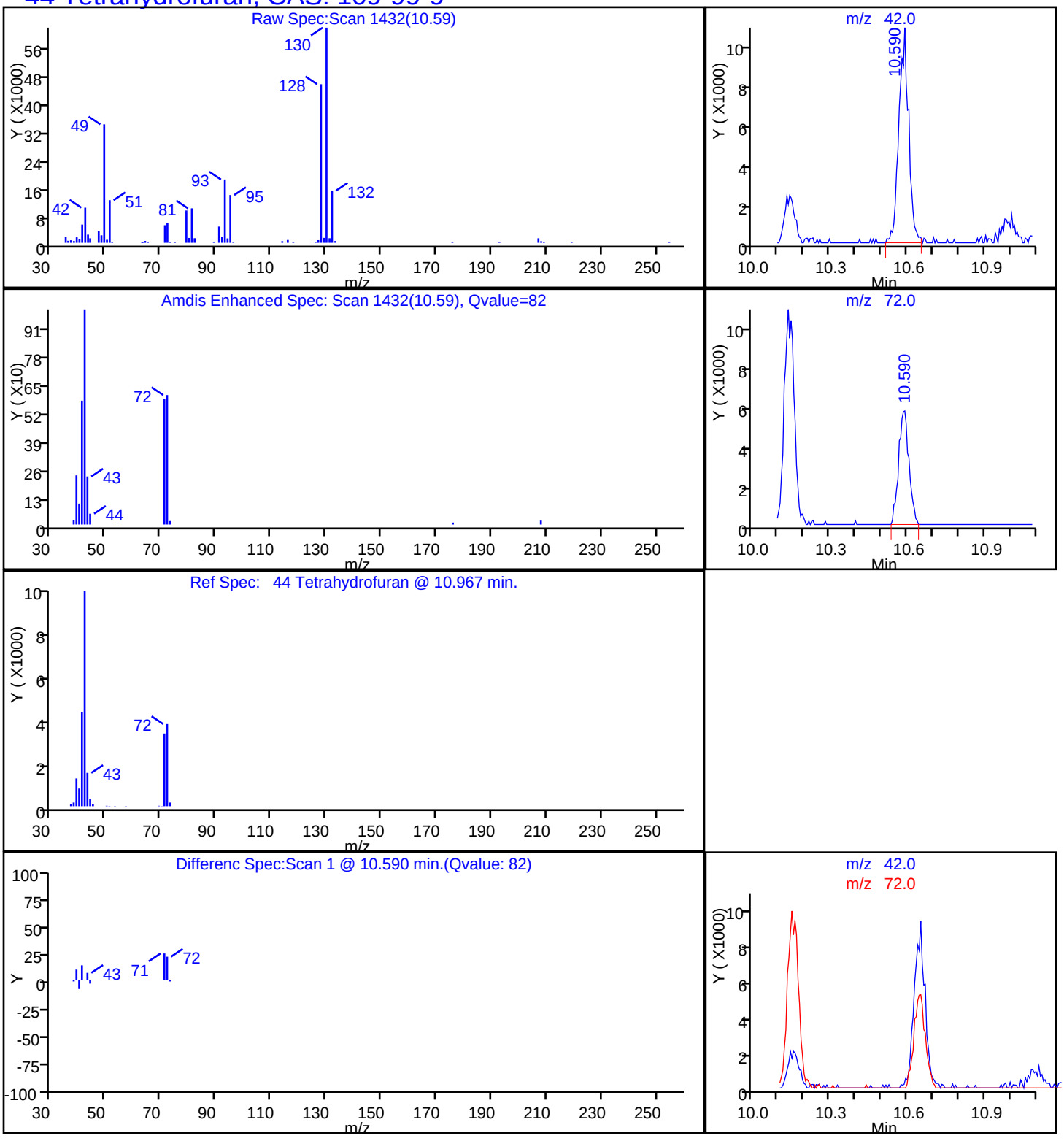
Report Date: 24-Feb-2014 11:53:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Tetrahydrofuran, CAS: 109-99-9



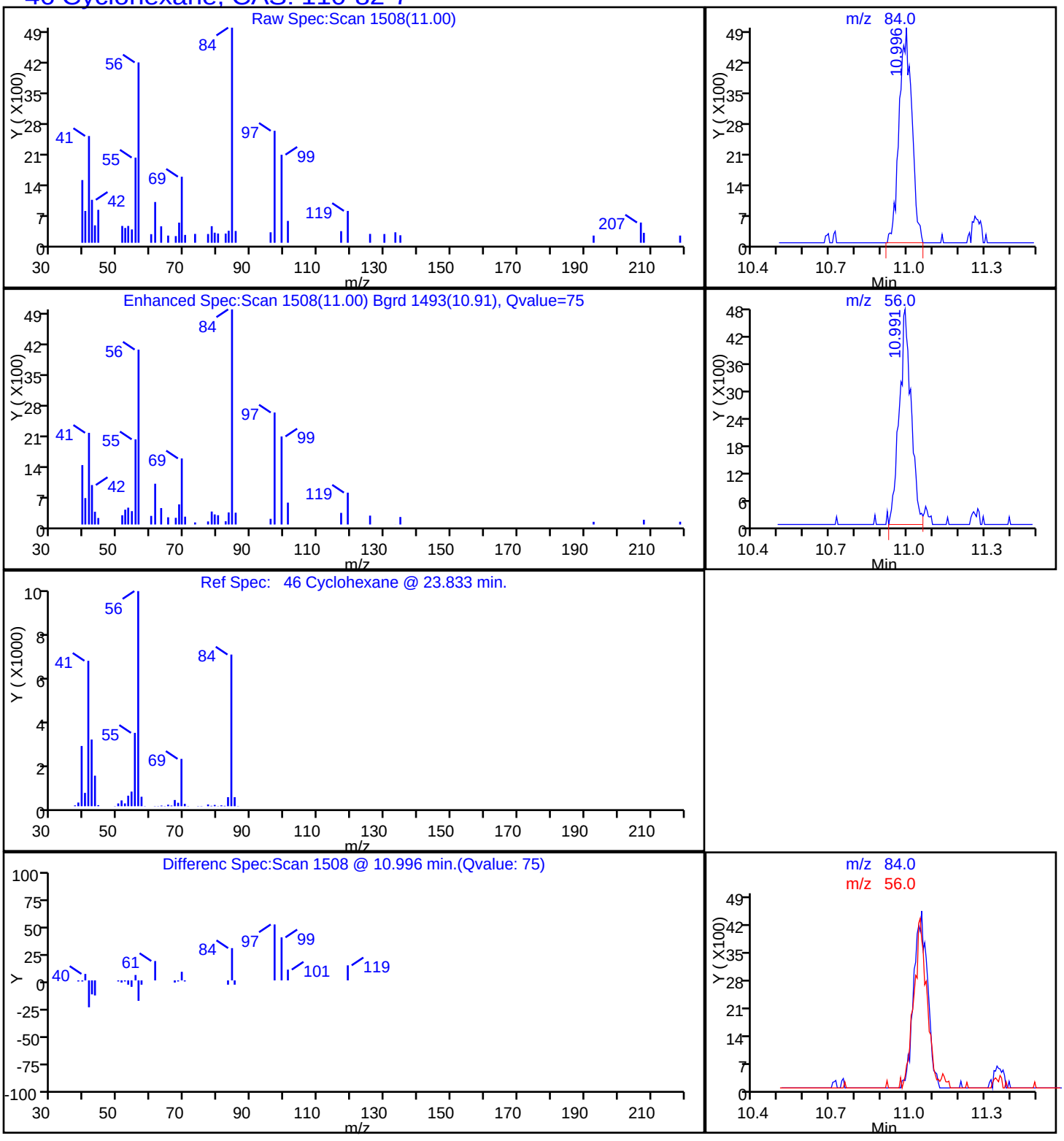
Report Date: 24-Feb-2014 11:53:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



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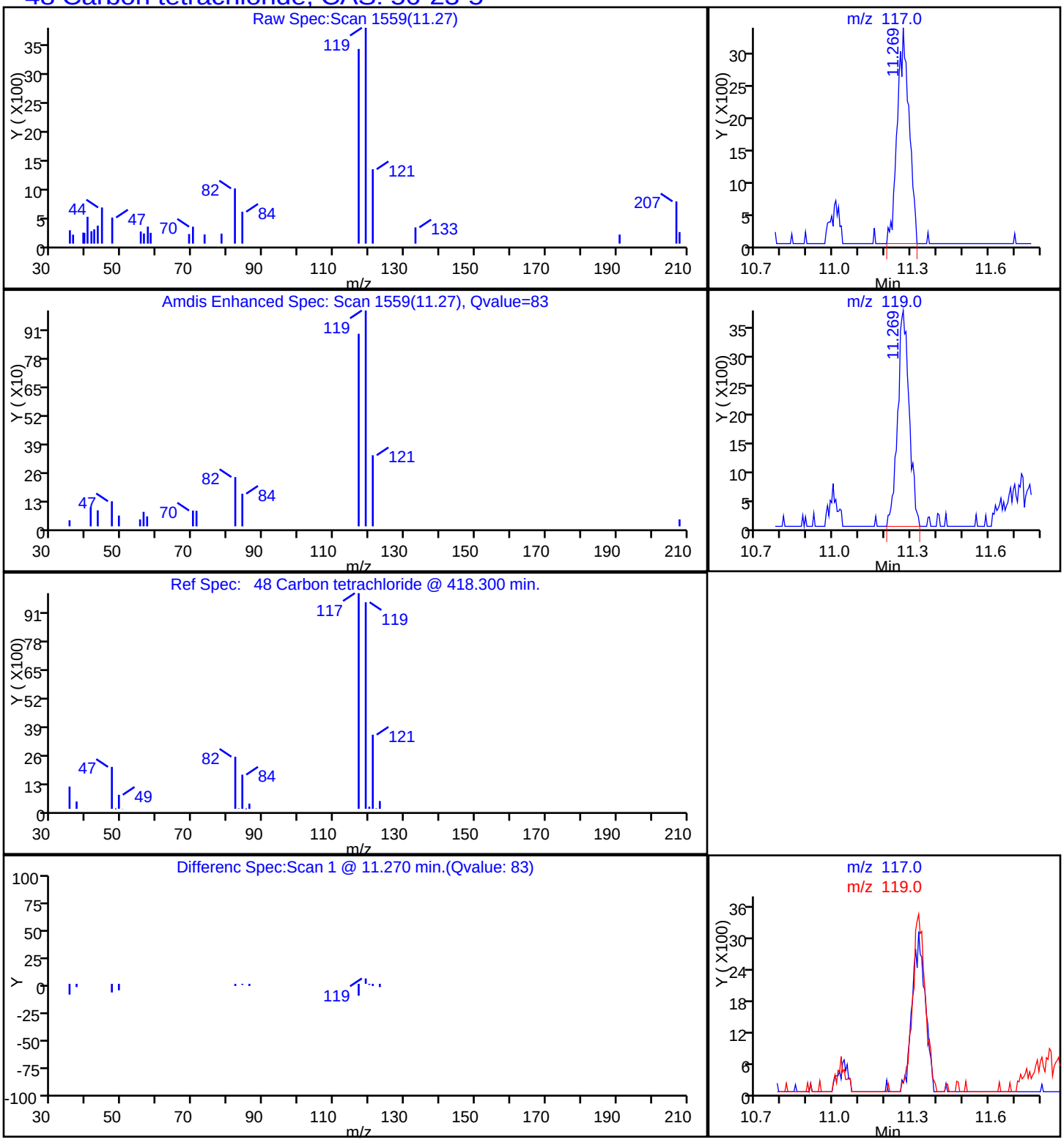
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 Carbon tetrachloride, CAS: 56-23-5



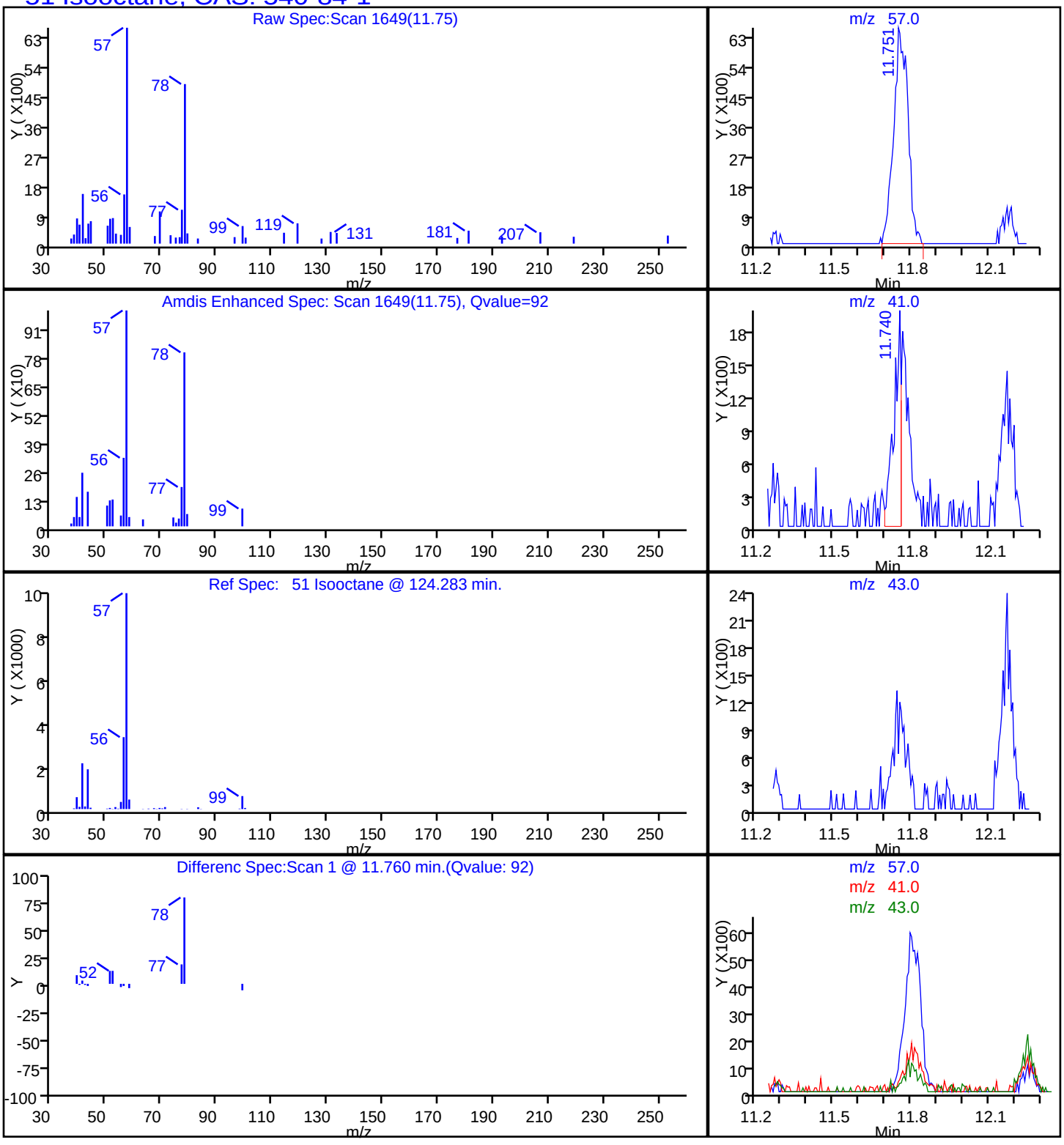
Report Date: 24-Feb-2014 11:53:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1



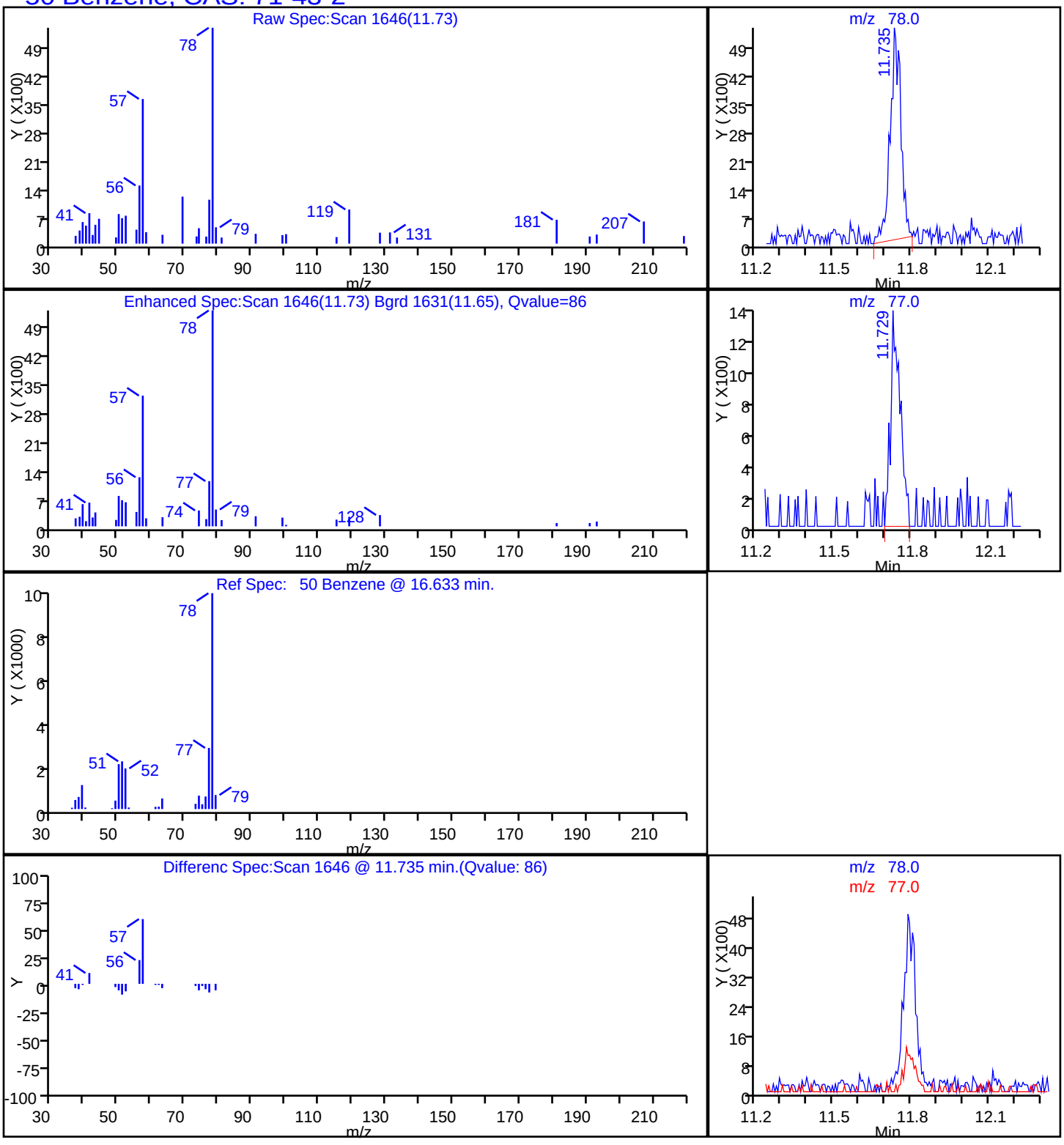
Report Date: 24-Feb-2014 11:53:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



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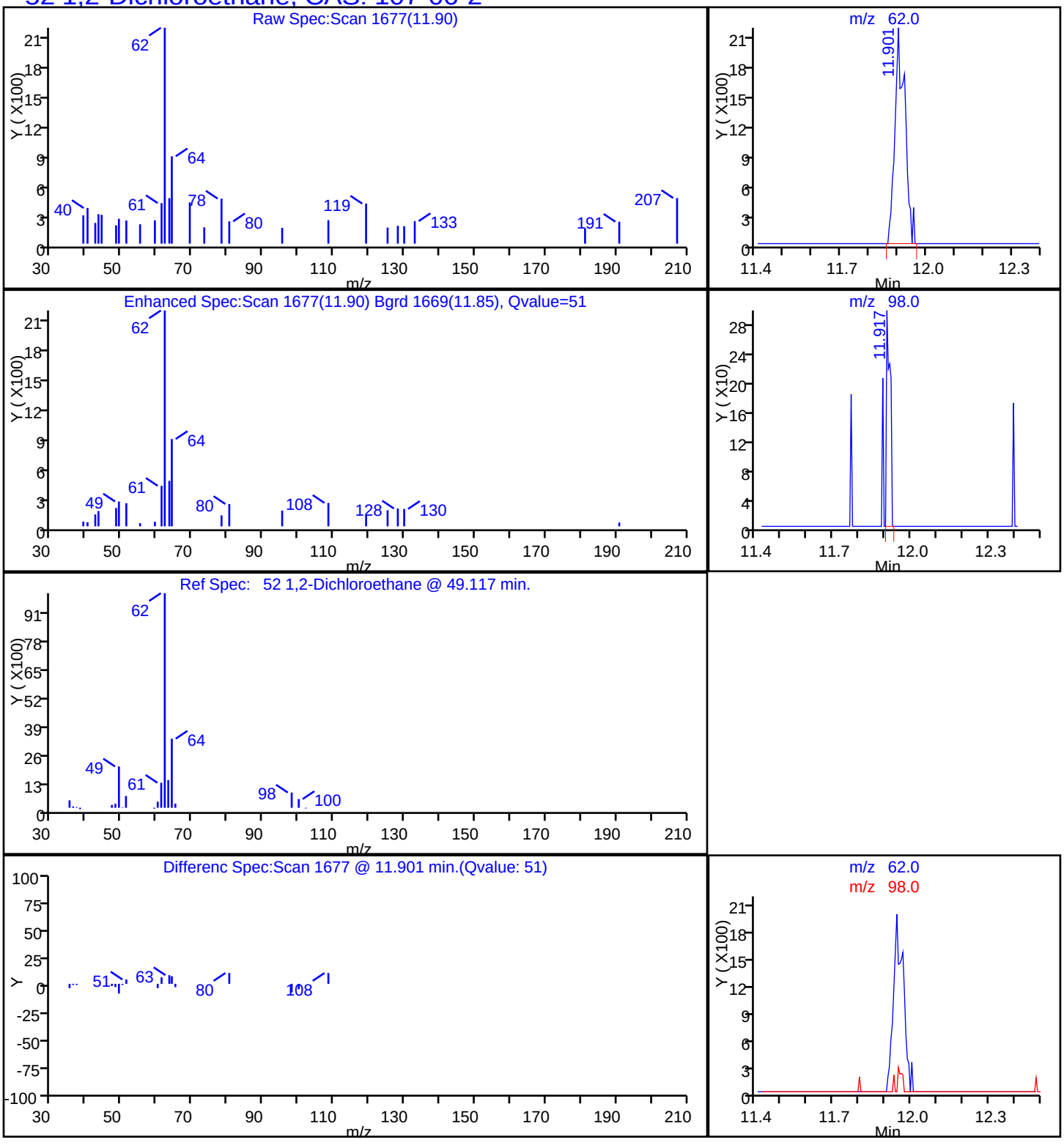
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

52 1,2-Dichloroethane, CAS: 107-06-2



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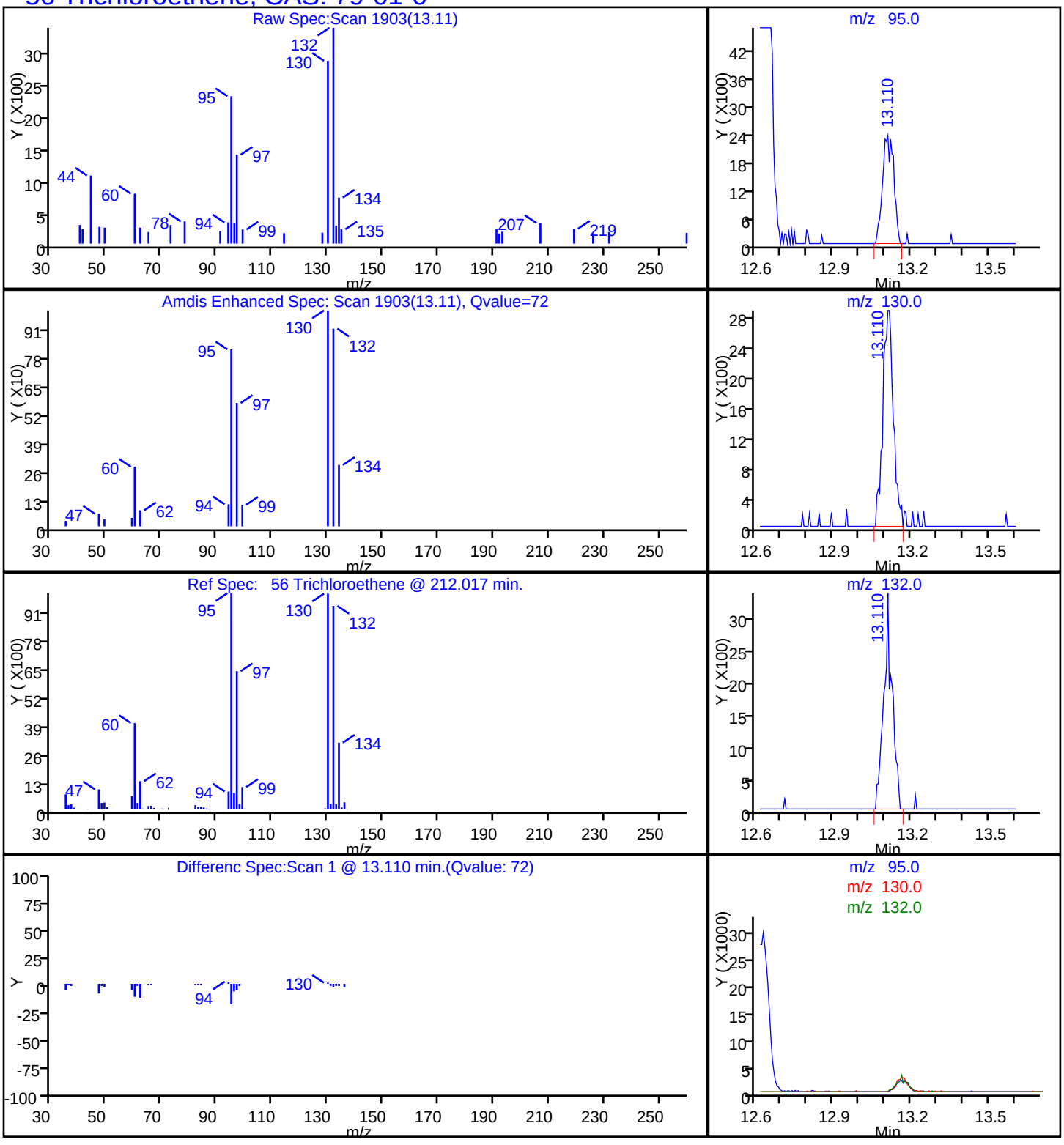
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



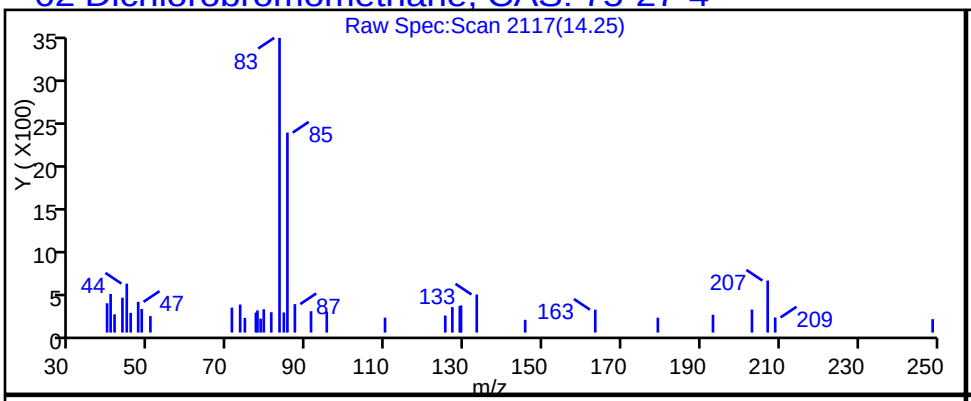
Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

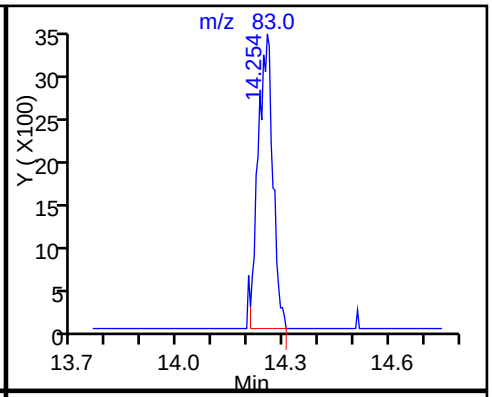
TestAmerica Burlington

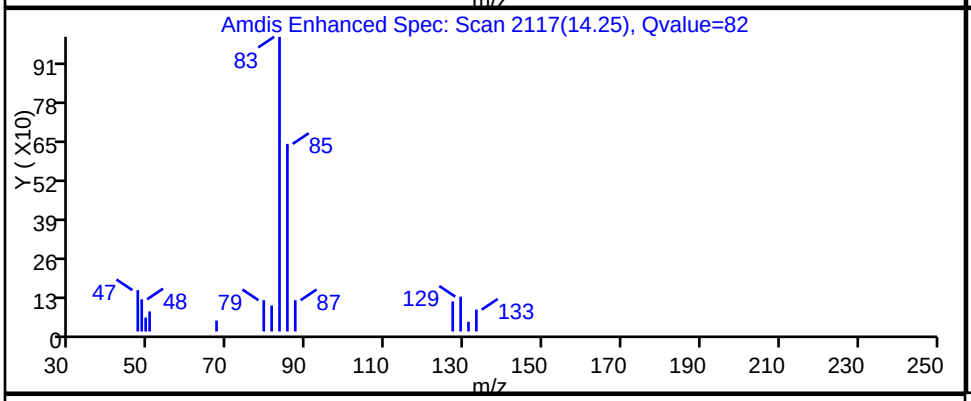
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

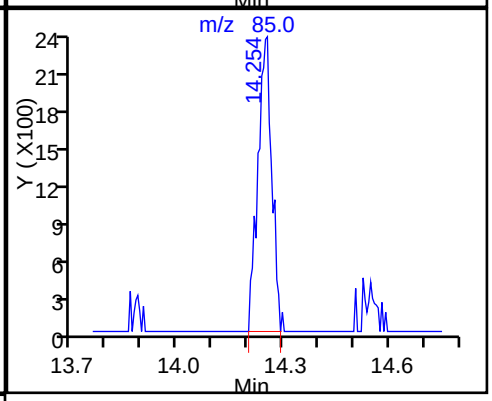
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

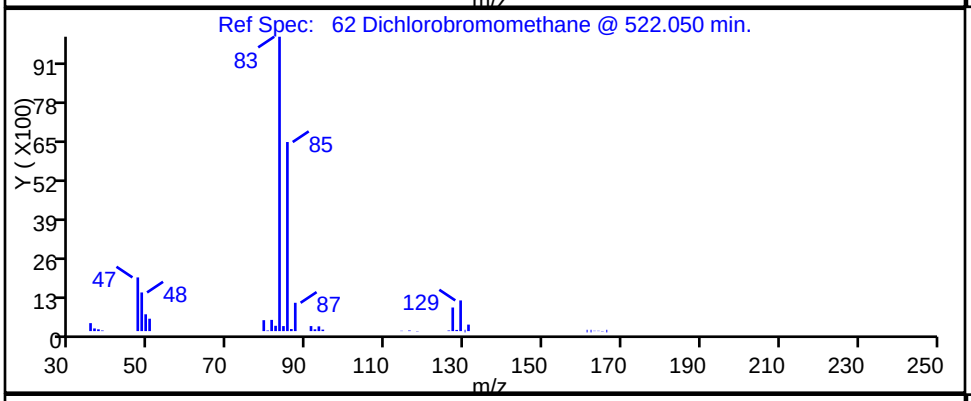
62 Dichlorobromomethane, CAS: 75-27-4

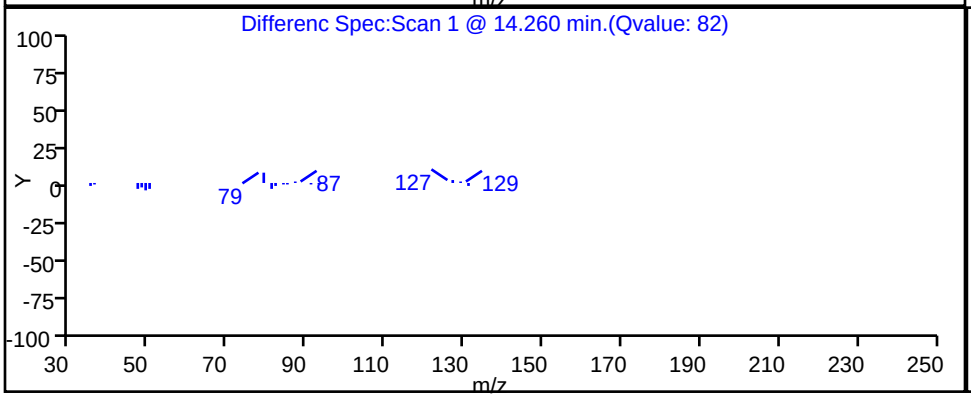


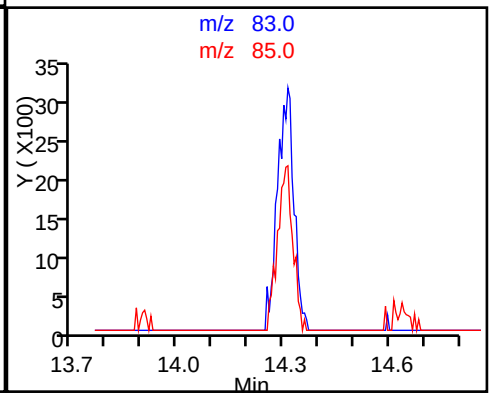












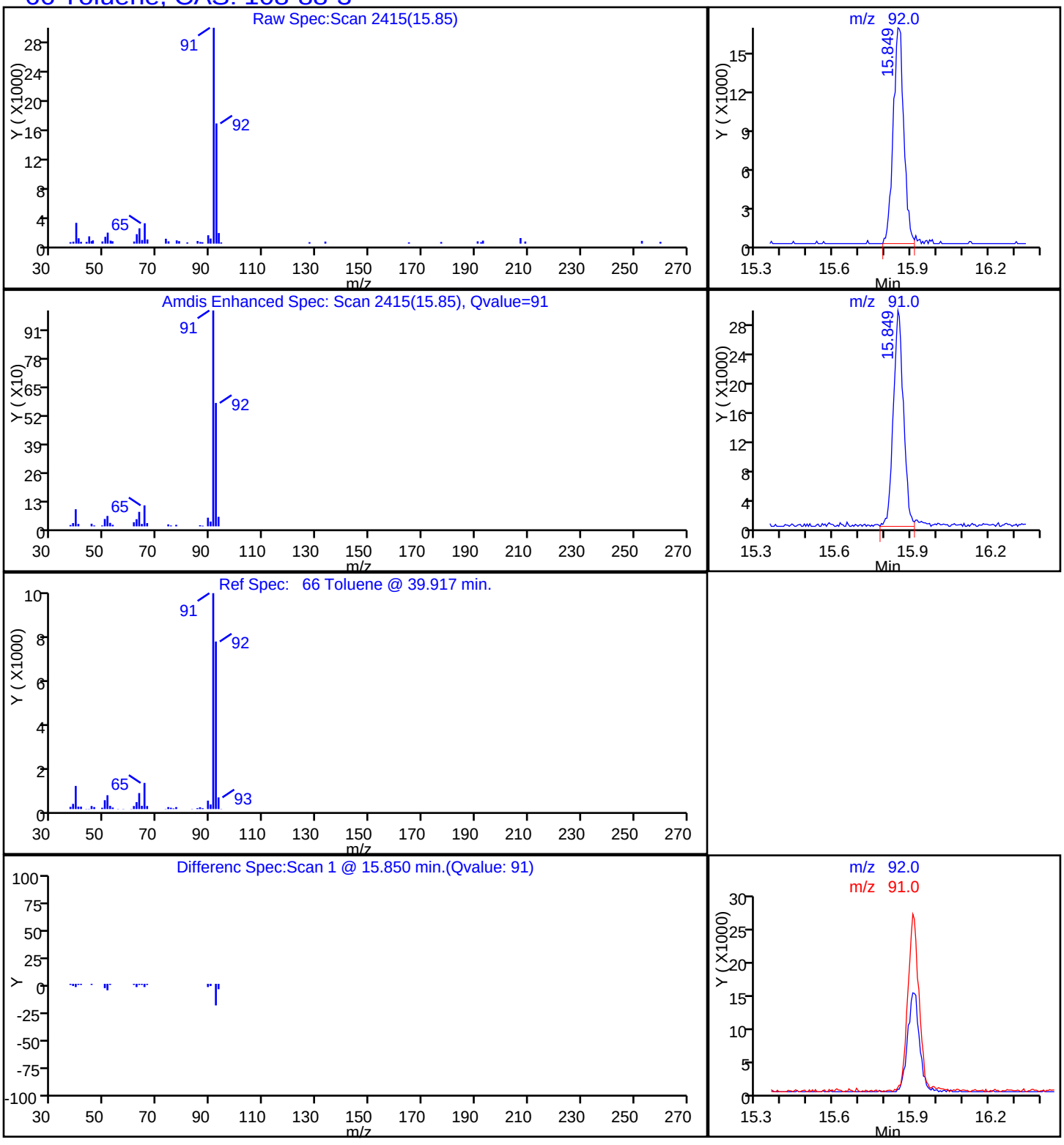
Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3

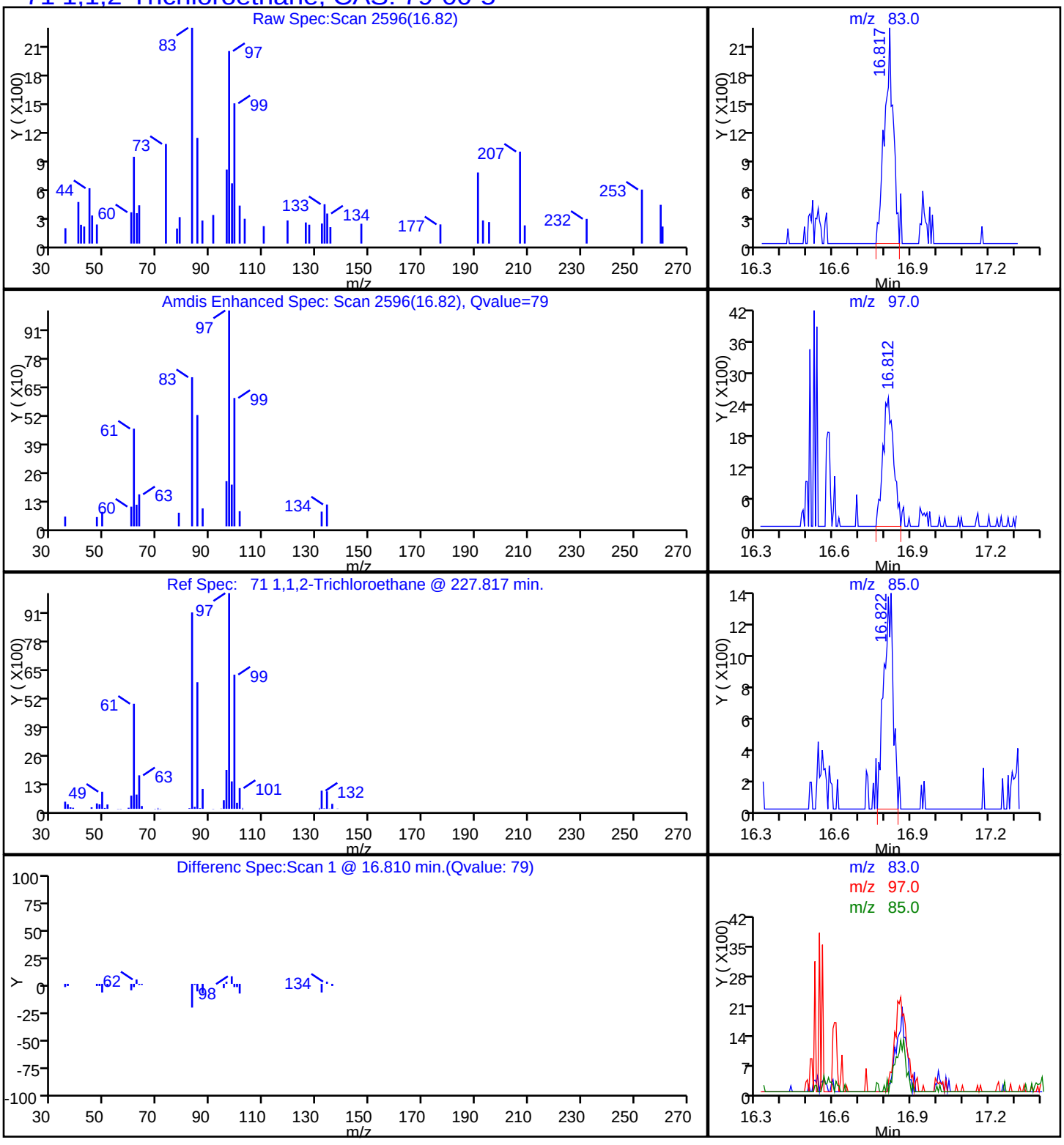


Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D				
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

71 1,1,2-Trichloroethane, CAS: 79-00-5



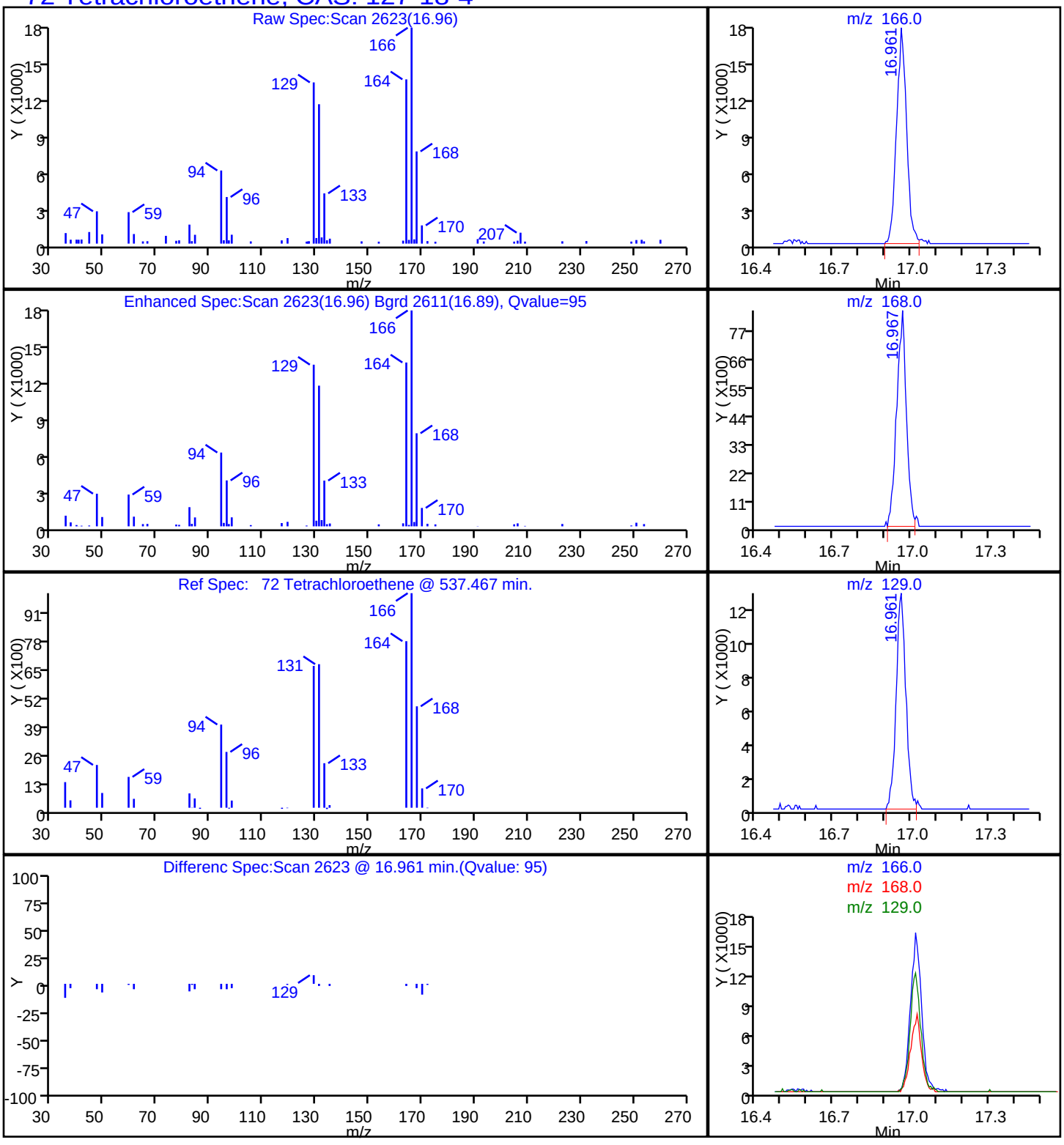
Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



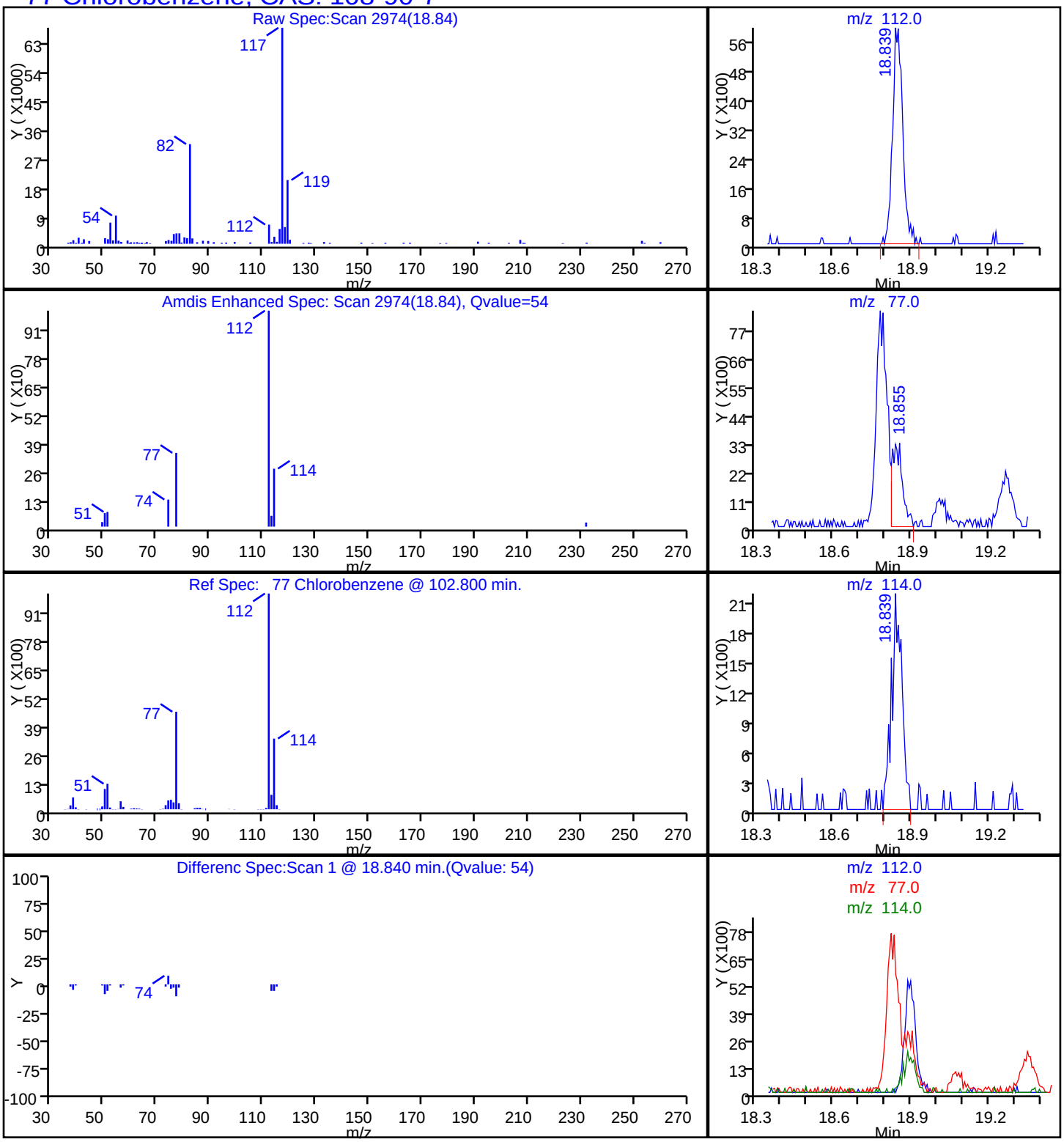
Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

77 Chlorobenzene, CAS: 108-90-7



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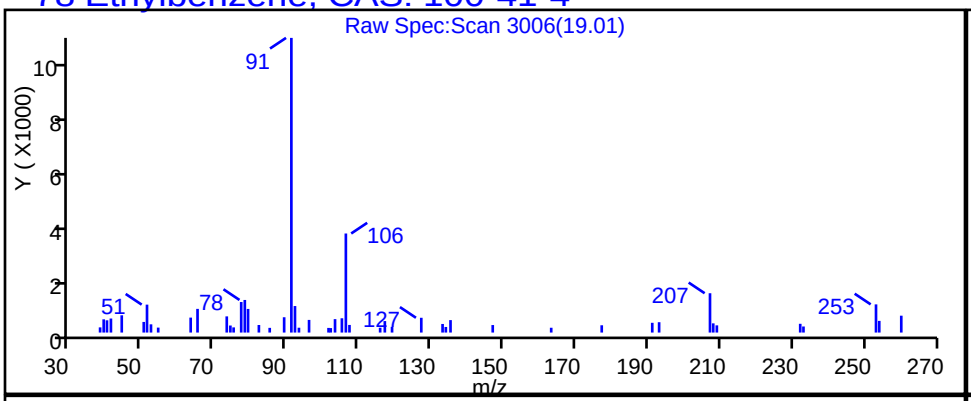
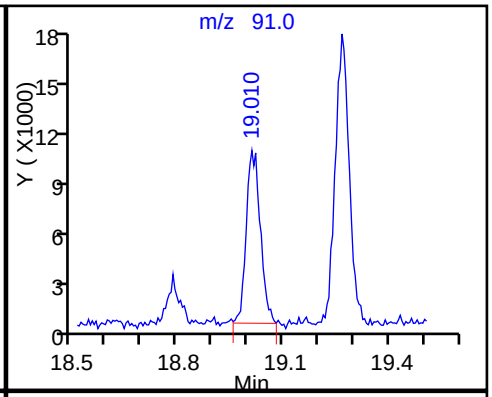
TestAmerica Burlington

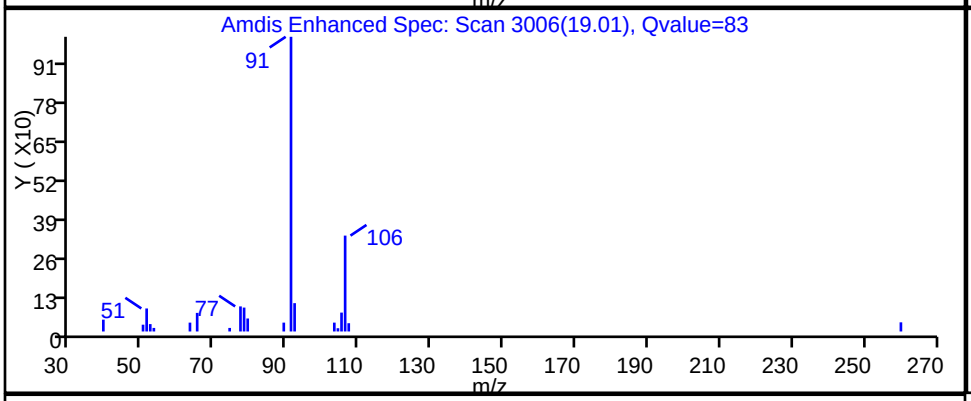
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

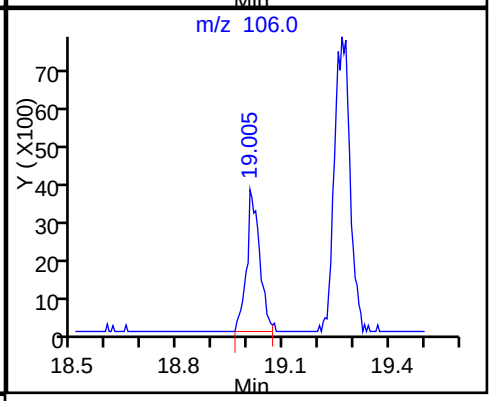
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

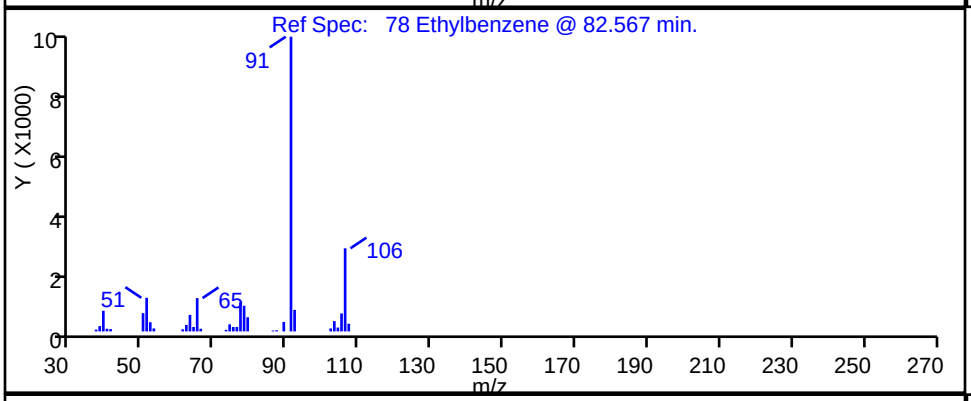
78 Ethylbenzene, CAS: 100-41-4

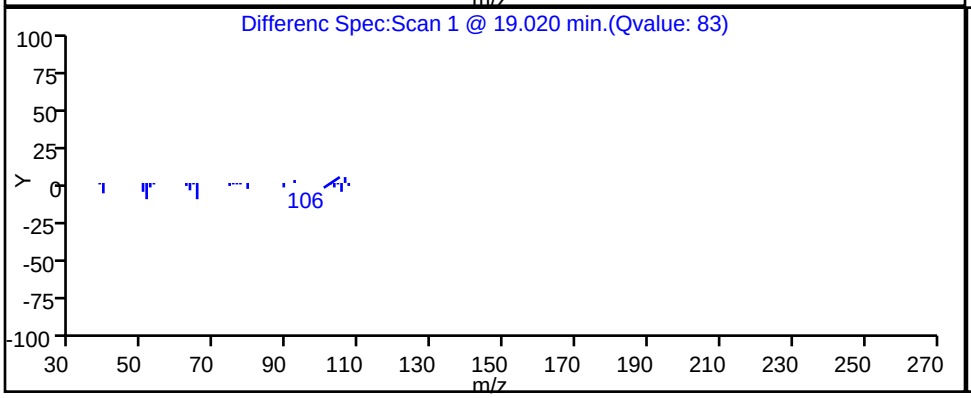


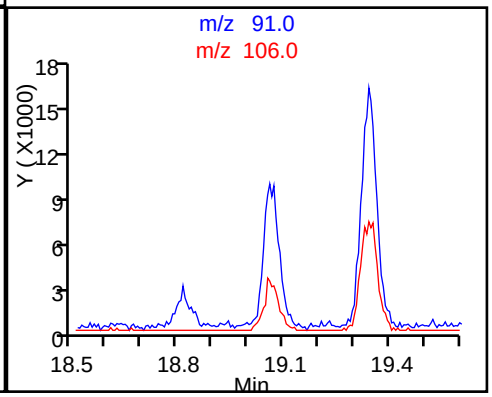












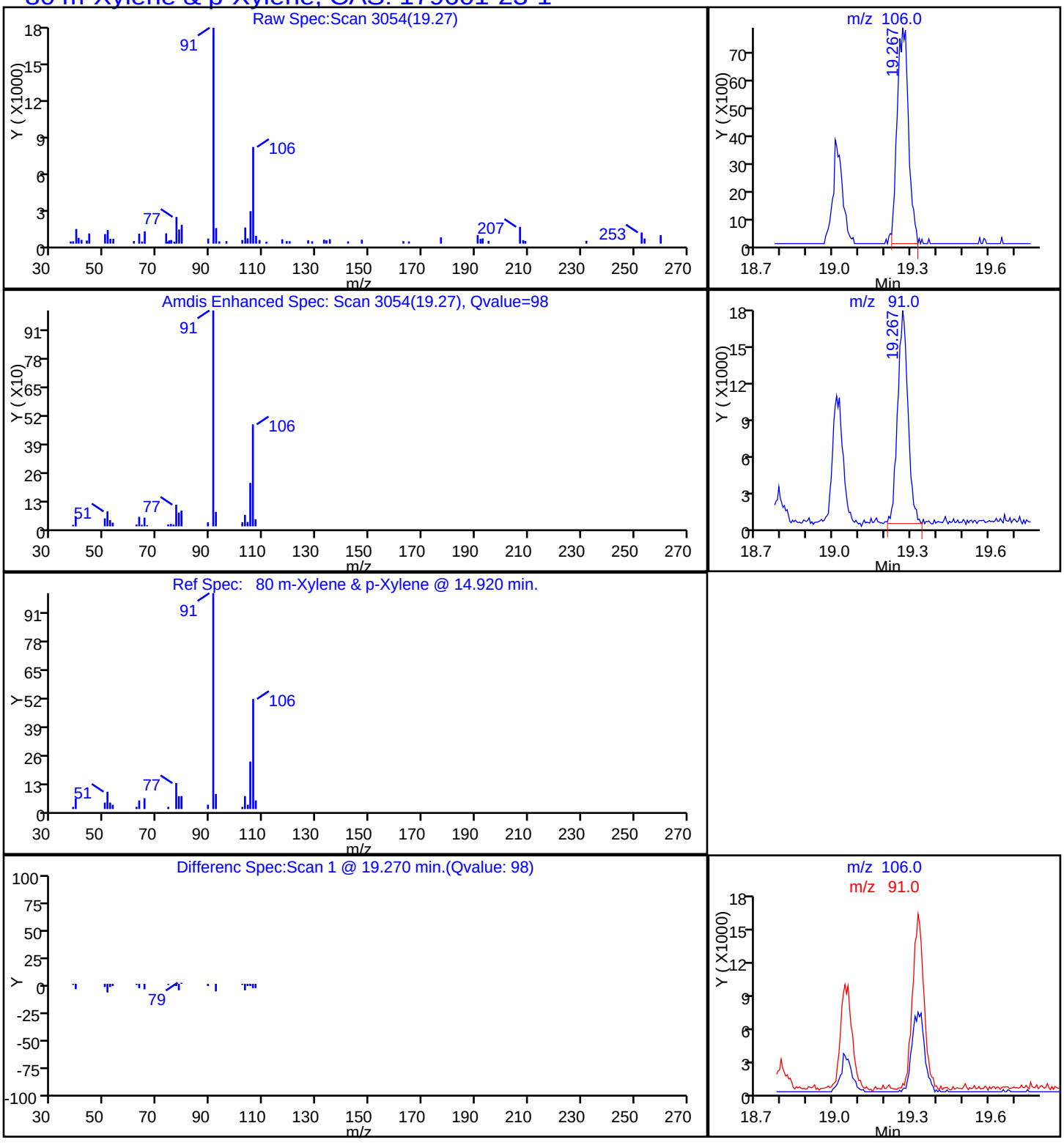
Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



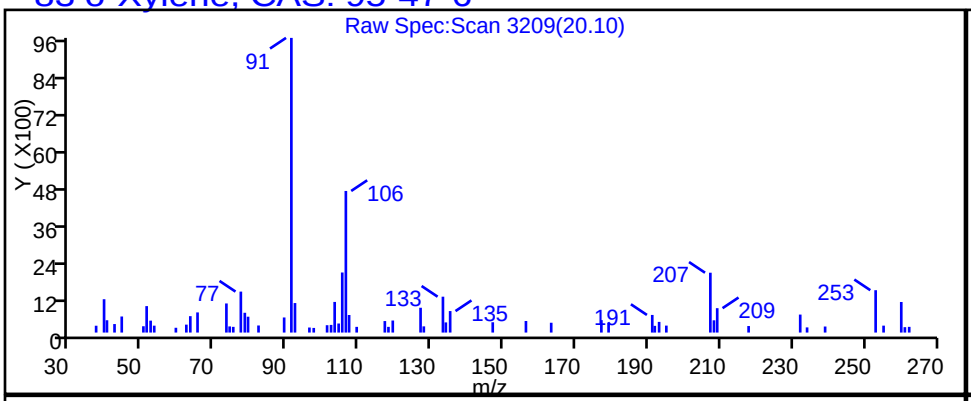
Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

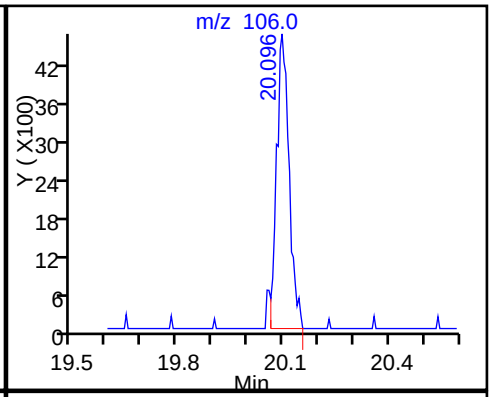
TestAmerica Burlington

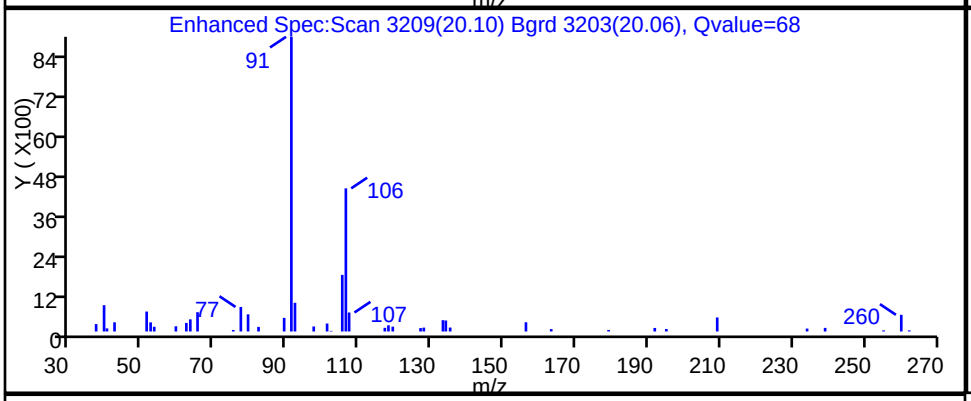
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

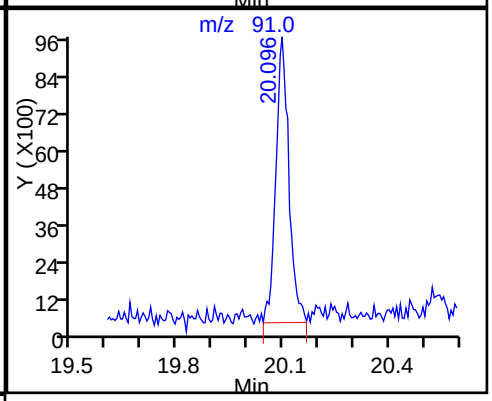
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

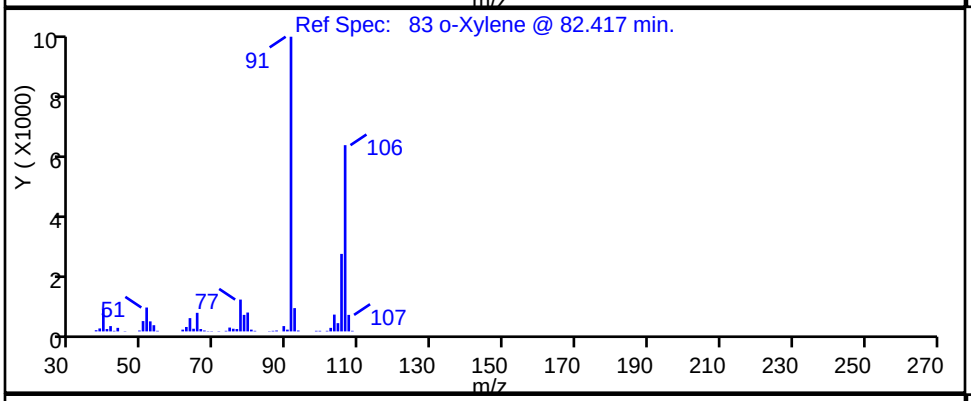
83 o-Xylene, CAS: 95-47-6

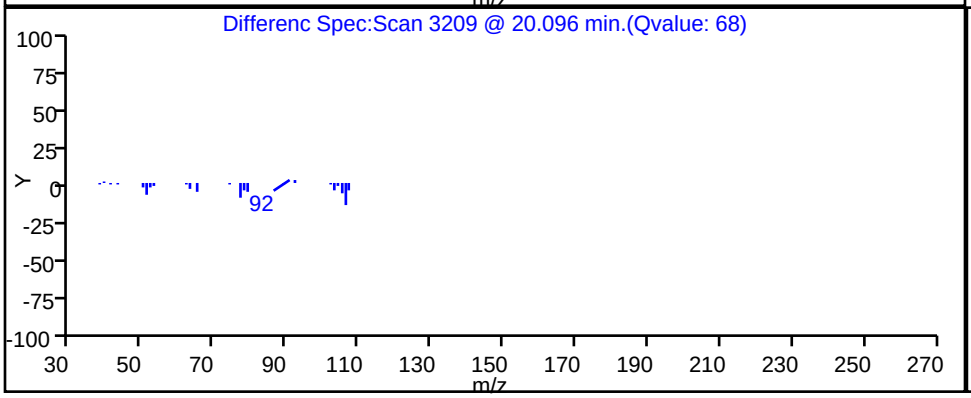


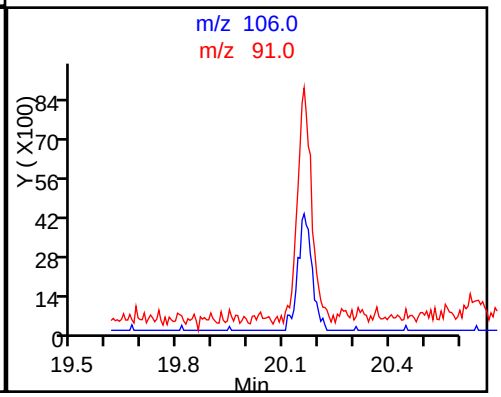












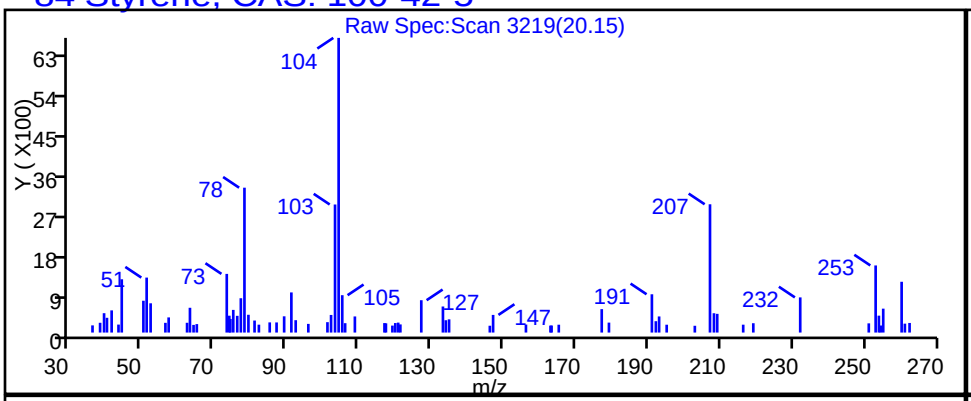
Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

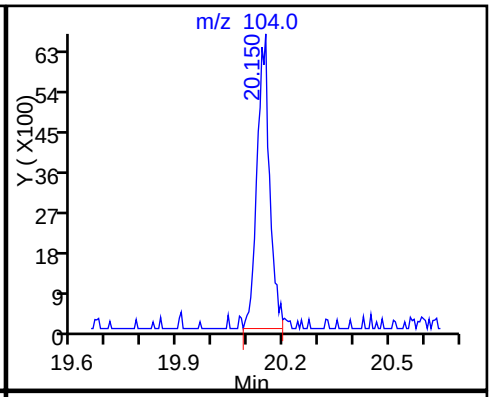
TestAmerica Burlington

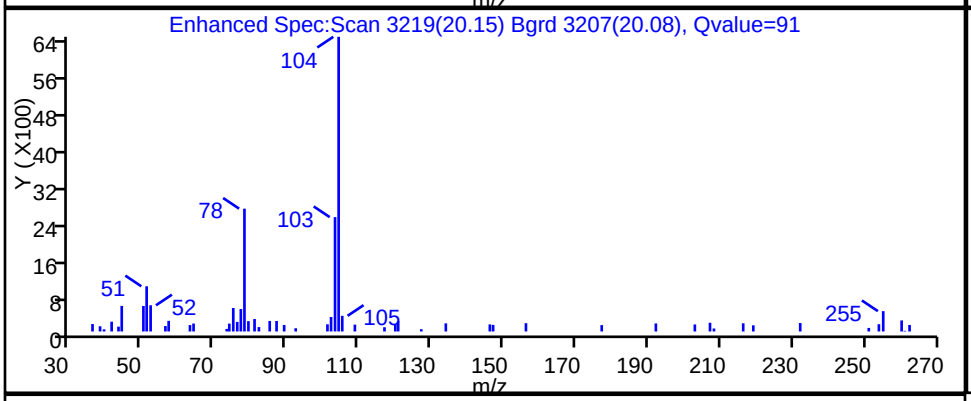
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

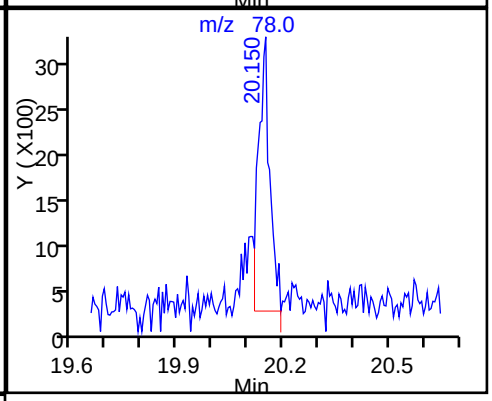
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

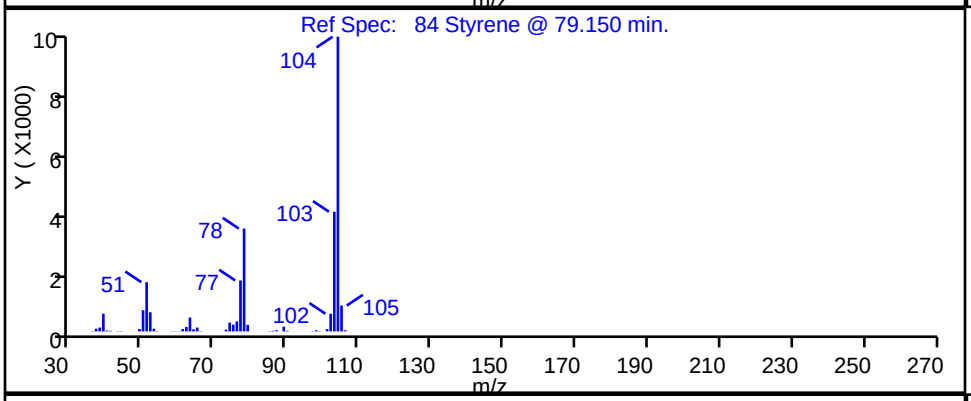
84 Styrene, CAS: 100-42-5

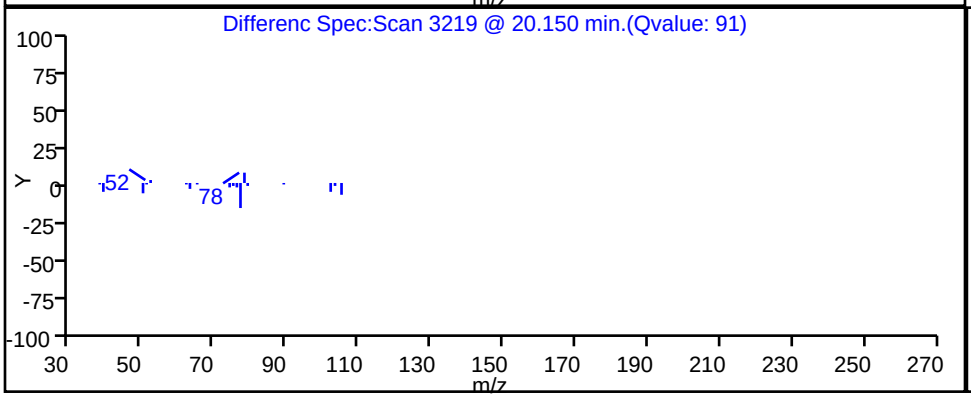


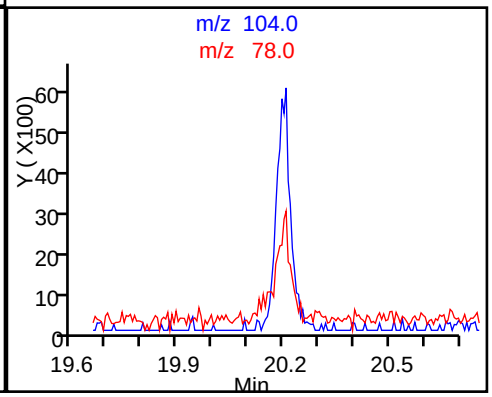












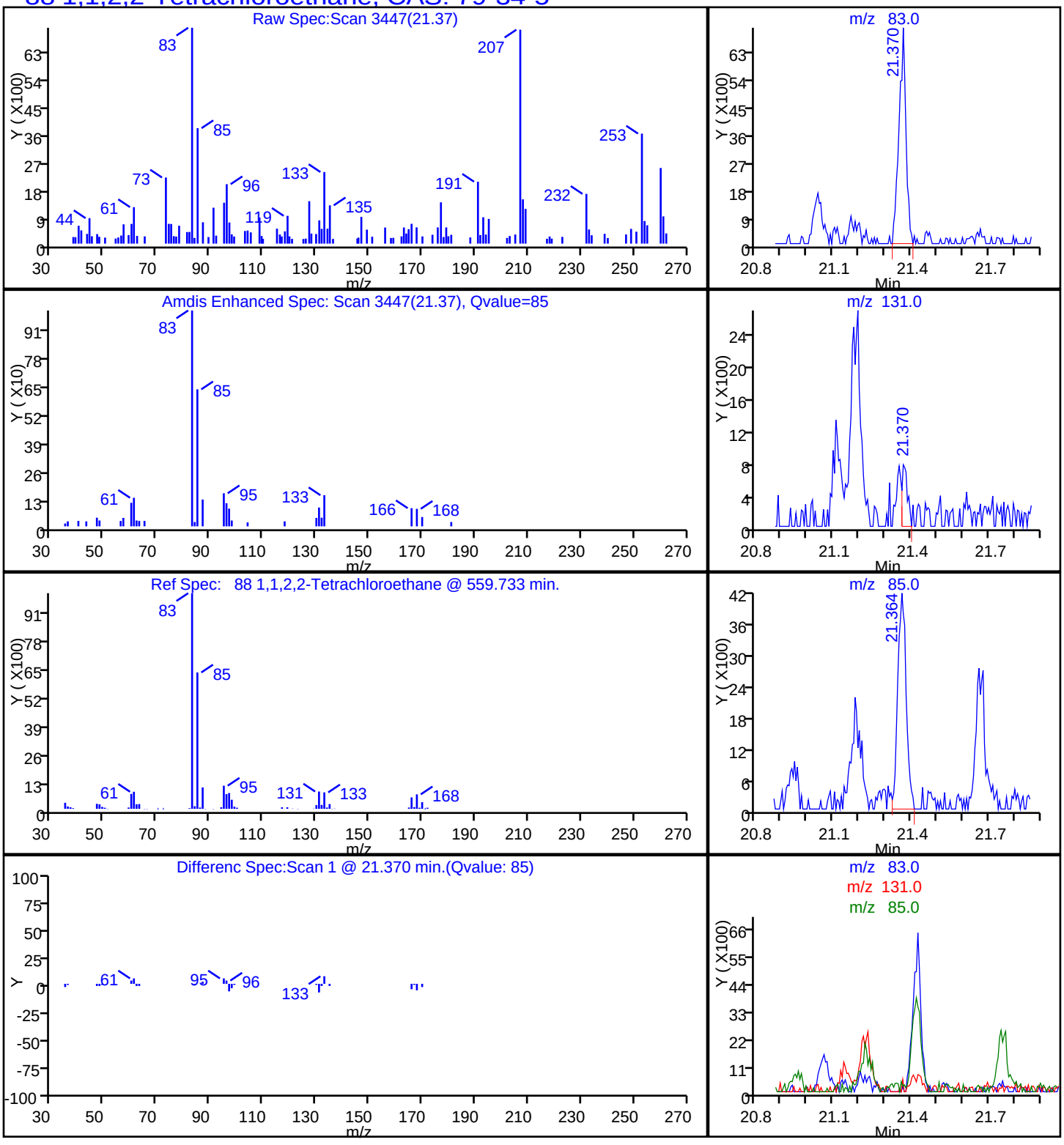
Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

88 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

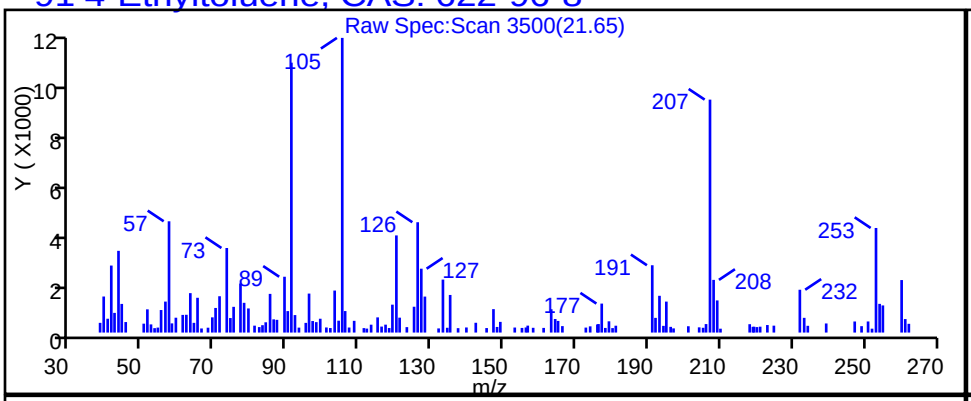


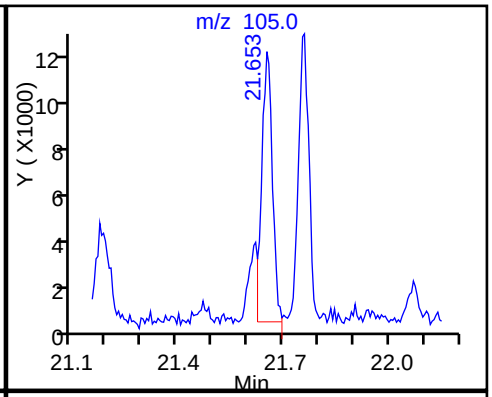
Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

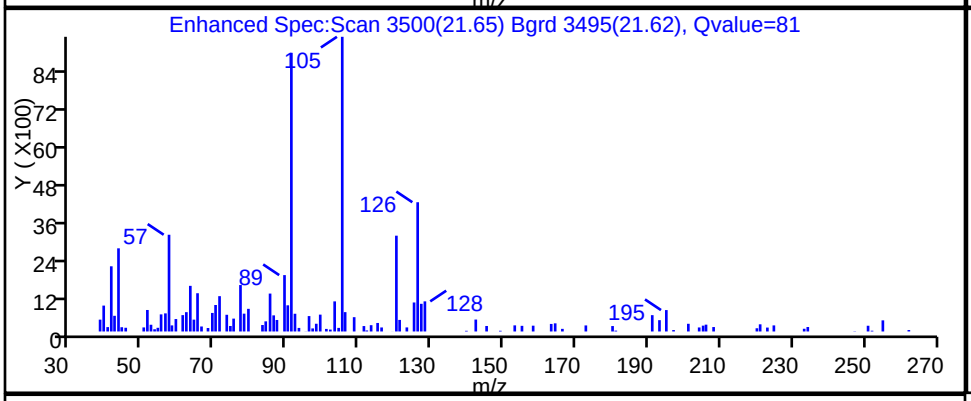
TestAmerica Burlington

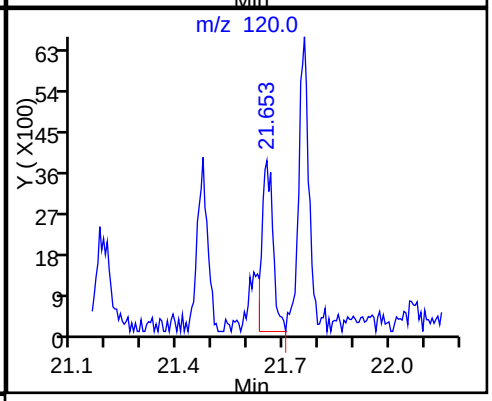
Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D				
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

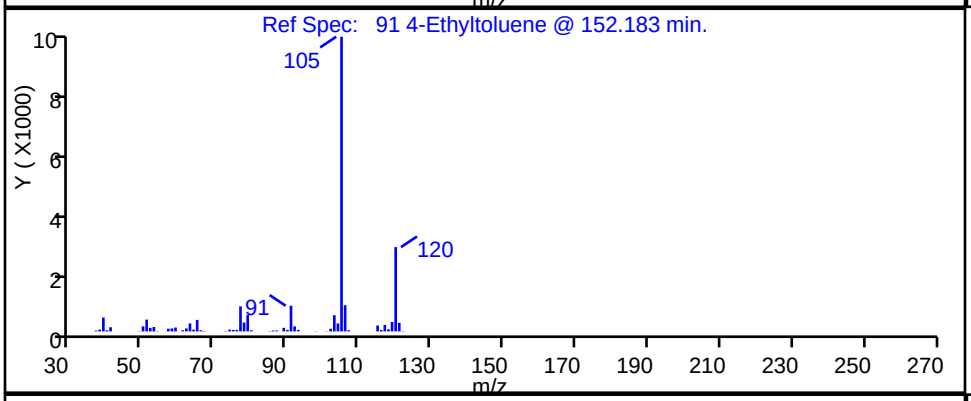
91 4-Ethyltoluene, CAS: 622-96-8

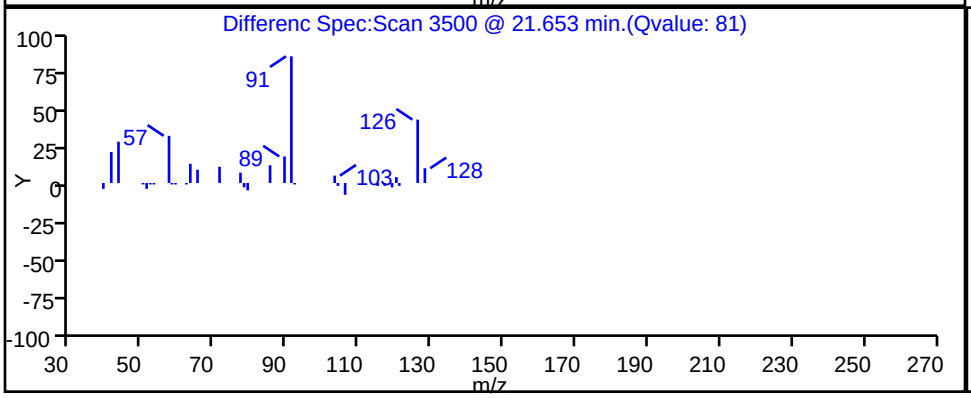


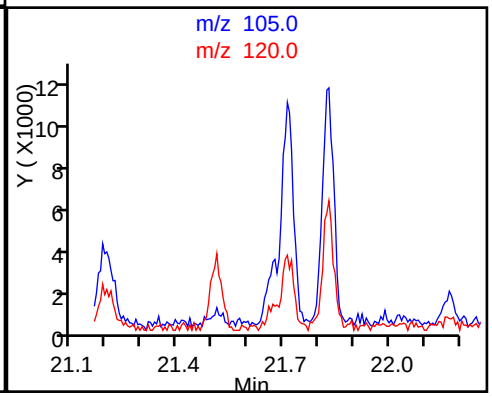












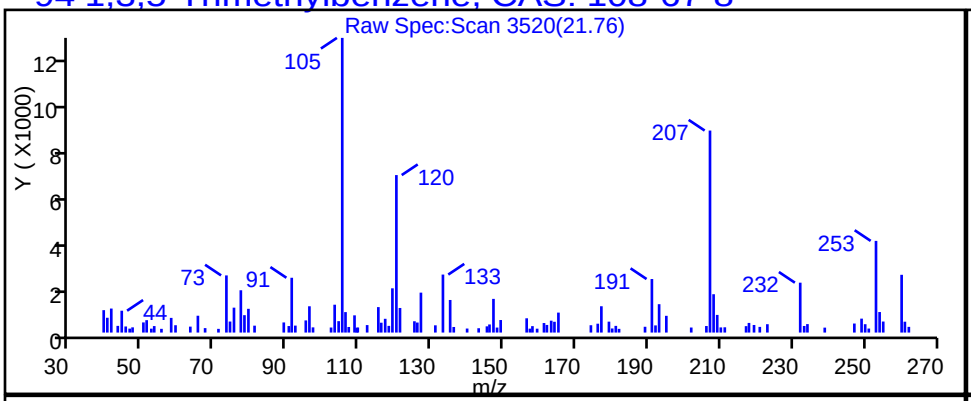
Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

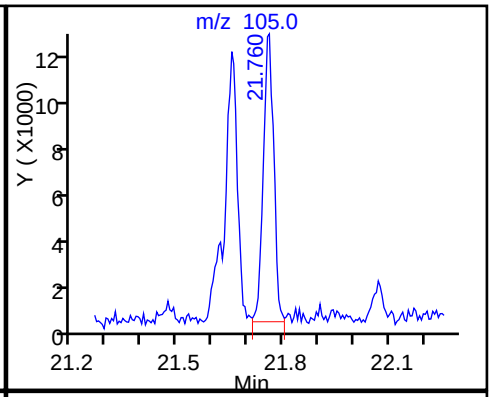
TestAmerica Burlington

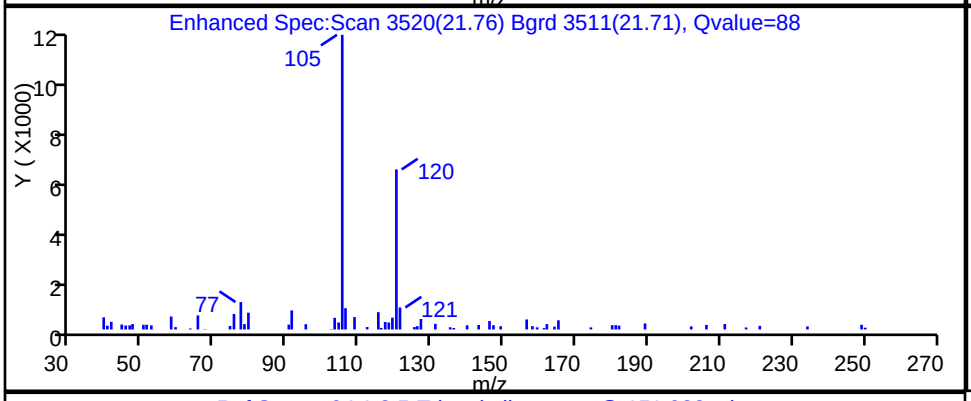
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

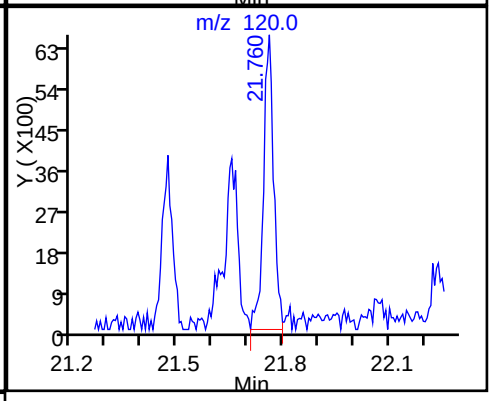
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

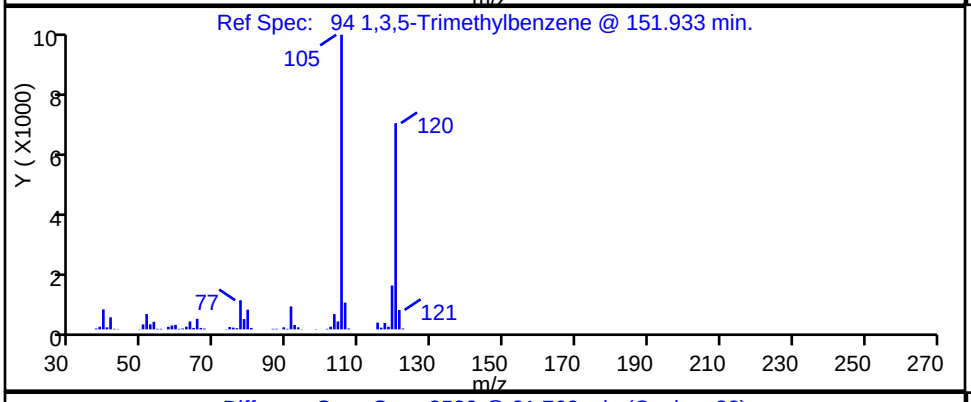
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

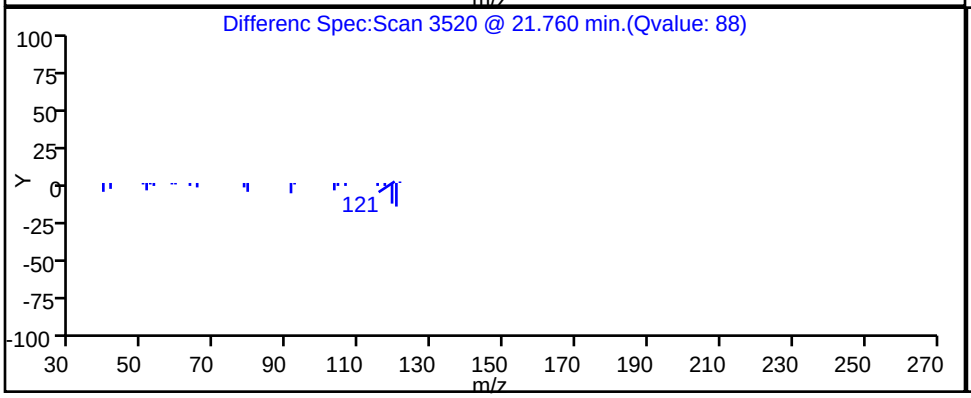


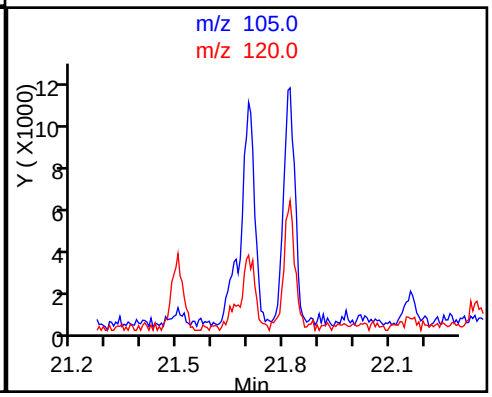










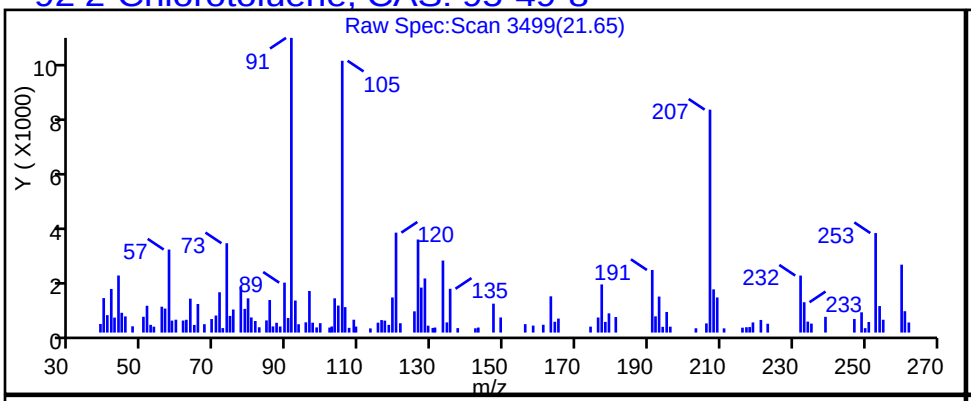


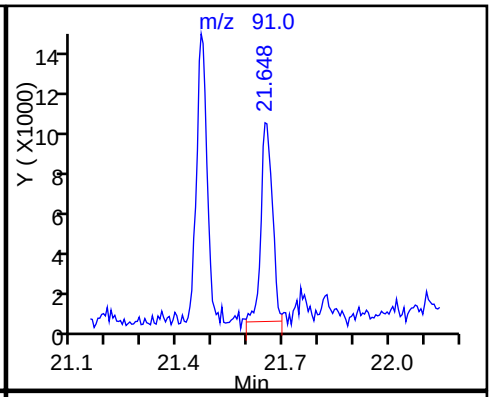
Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

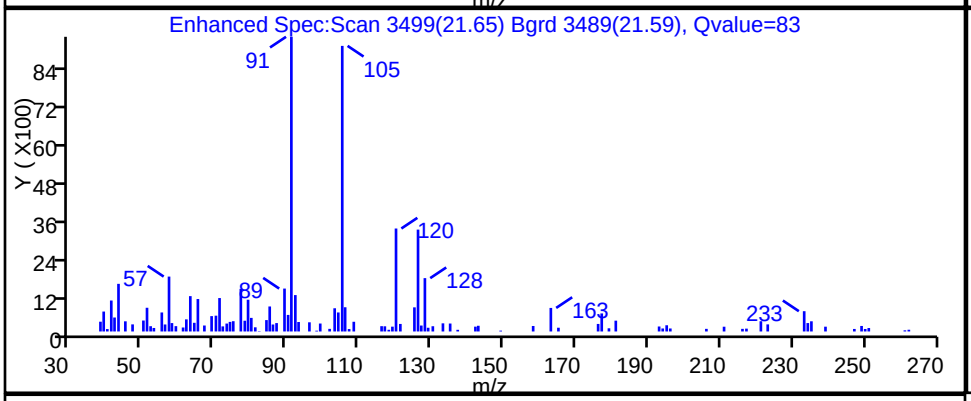
TestAmerica Burlington

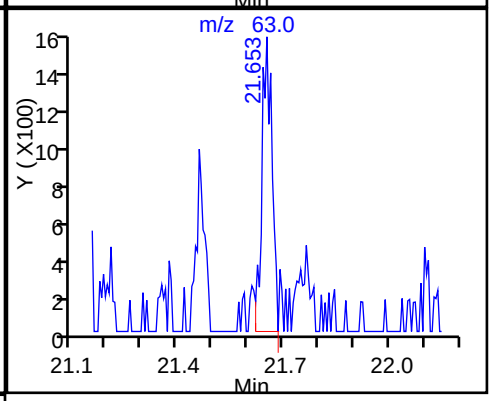
Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D				
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

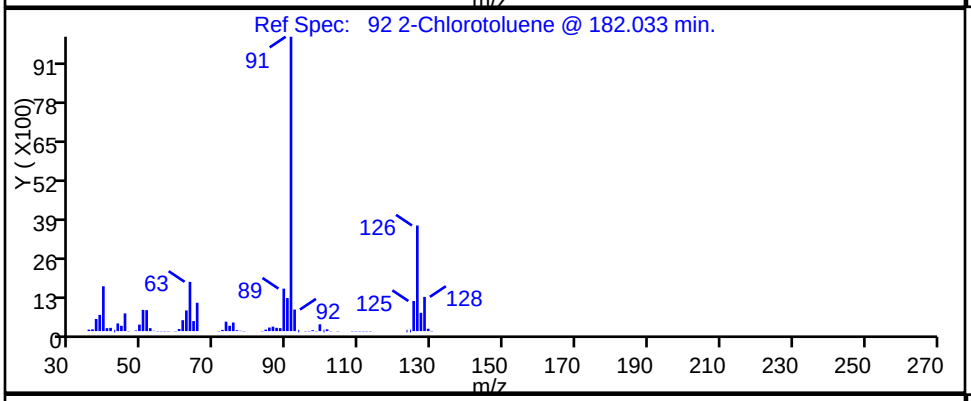
92 2-Chlorotoluene, CAS: 95-49-8

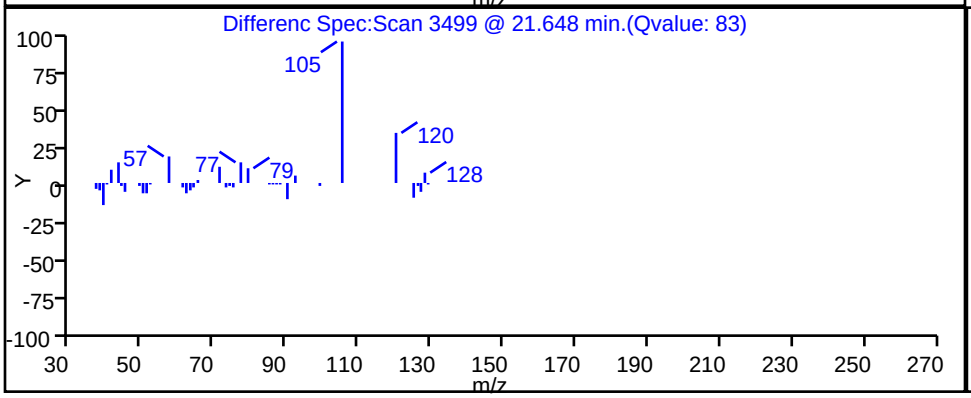


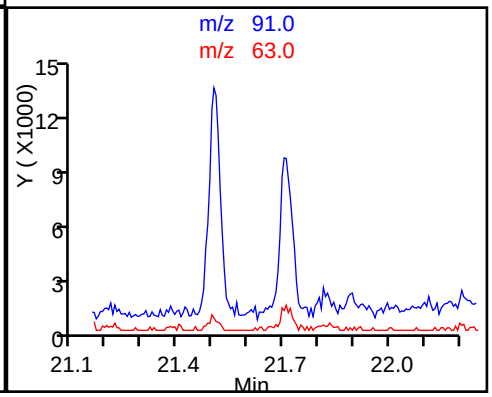












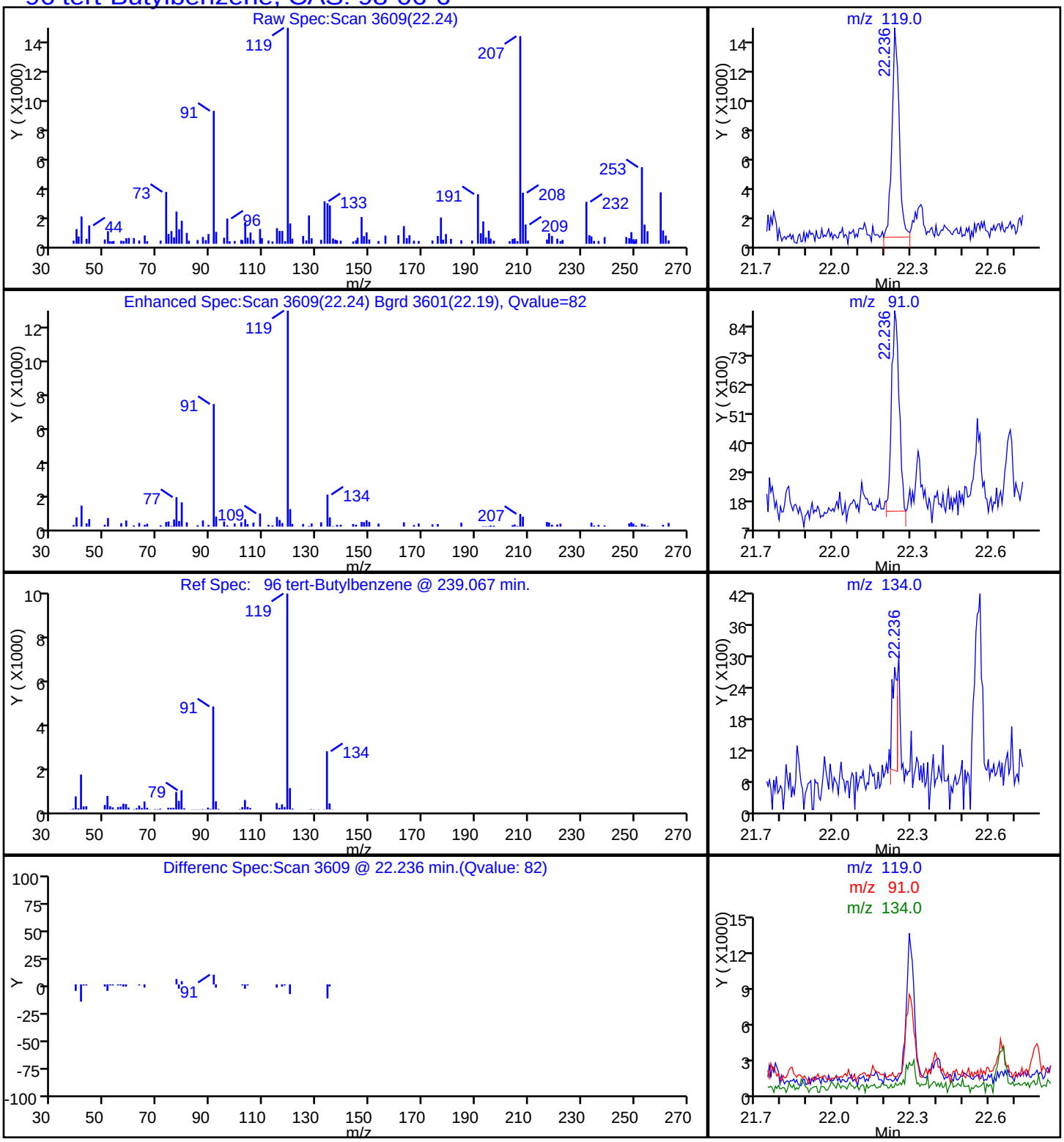
Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

96 tert-Butylbenzene, CAS: 98-06-6



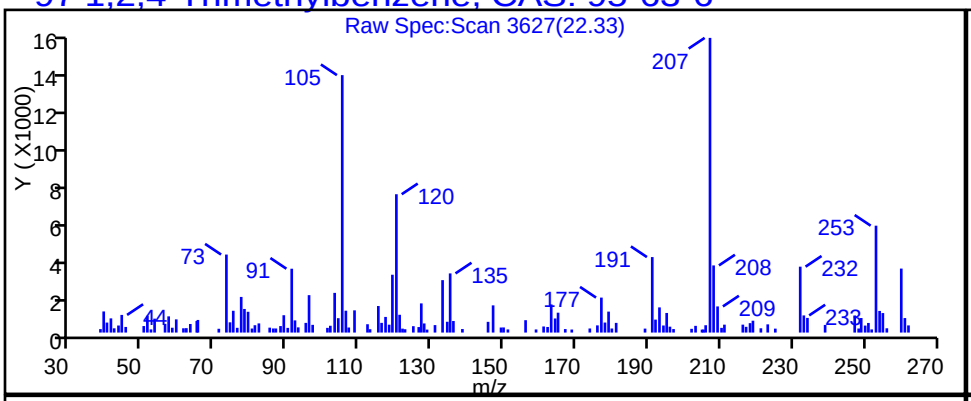
Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

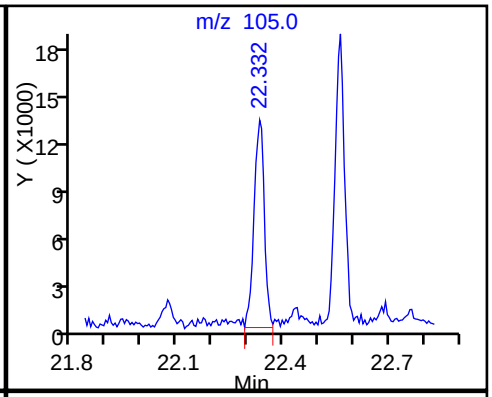
TestAmerica Burlington

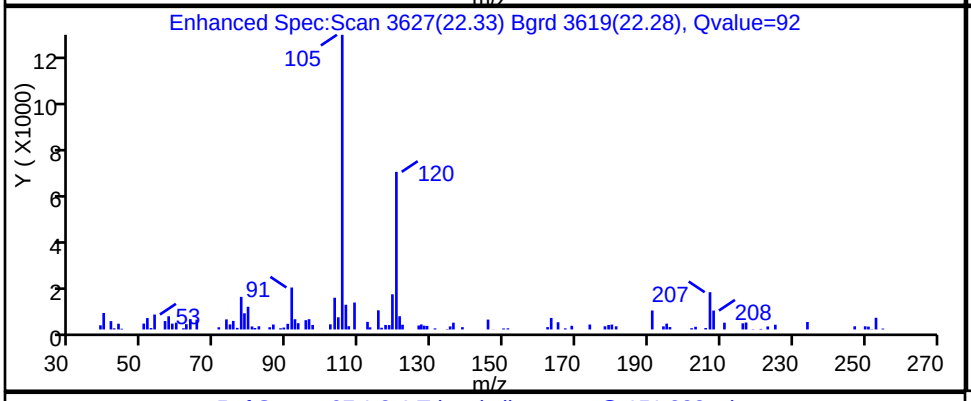
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

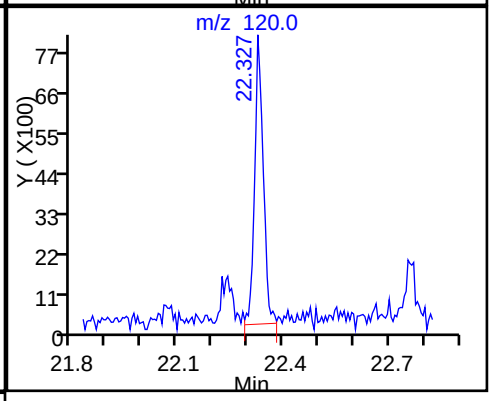
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

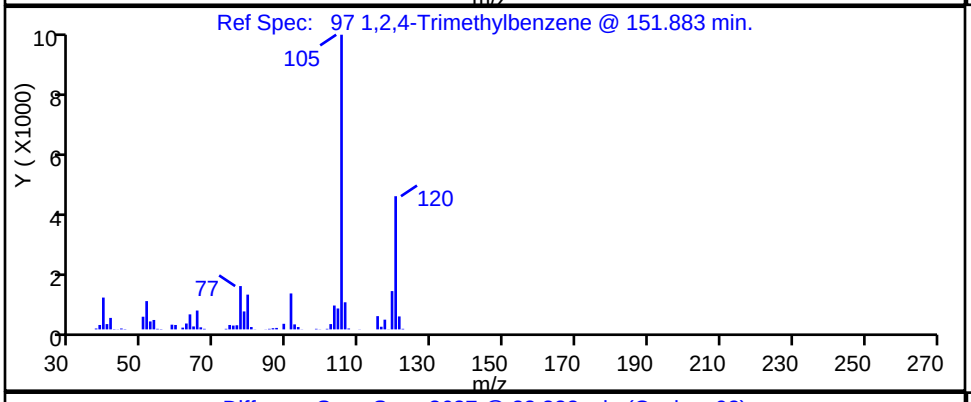
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

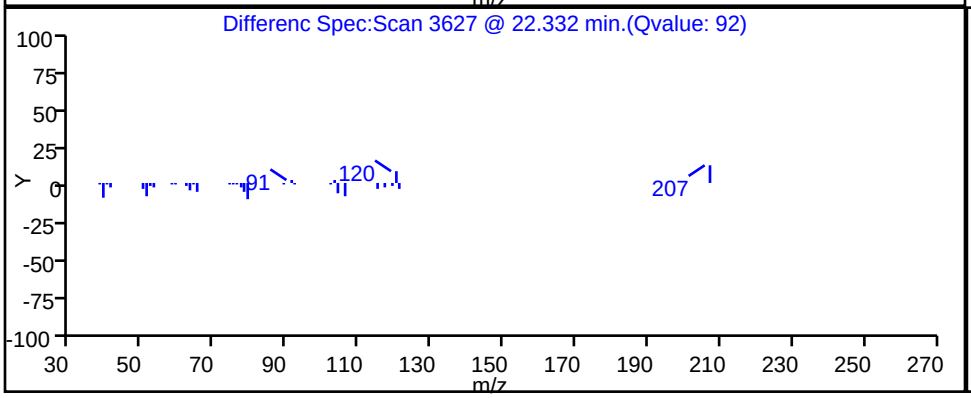


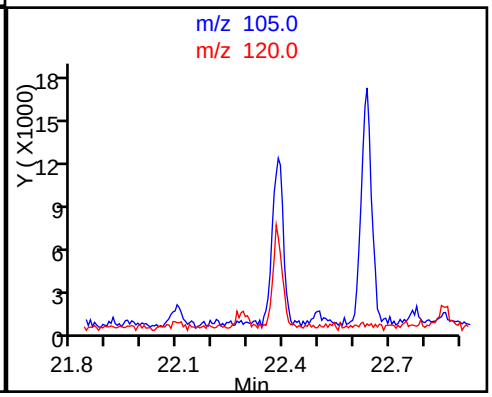












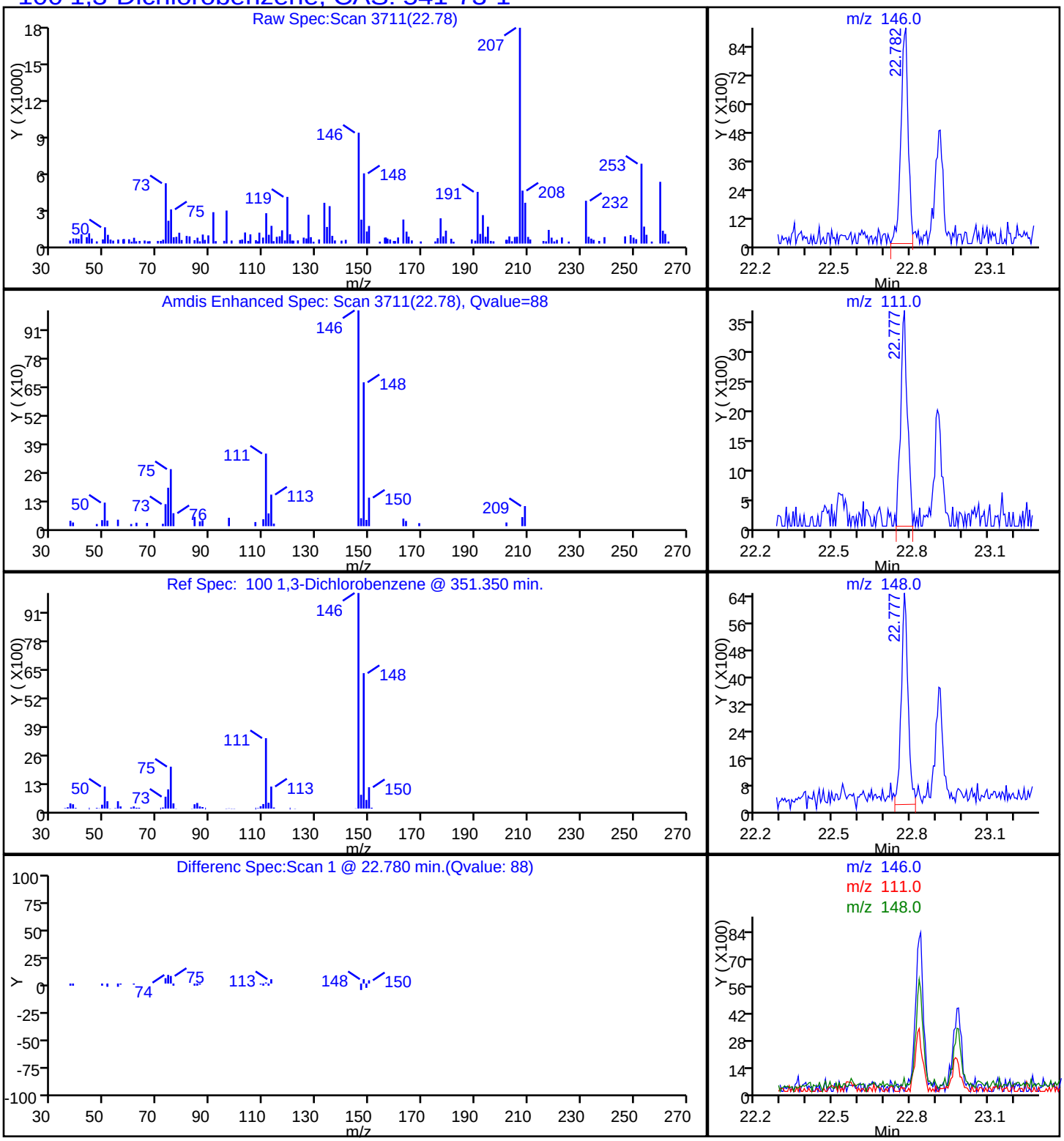
Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1

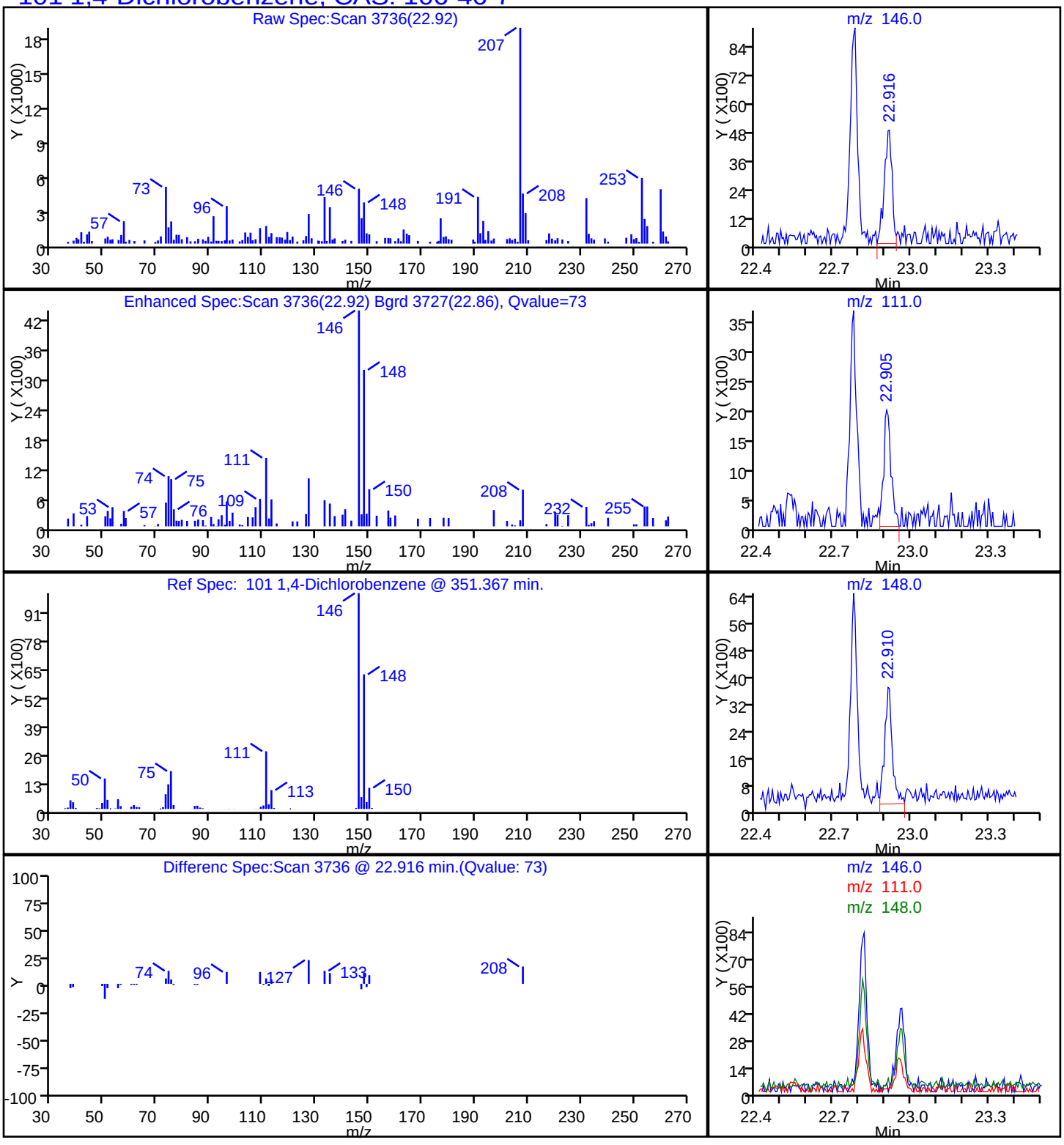


Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D				
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

101 1,4-Dichlorobenzene, CAS: 106-46-7



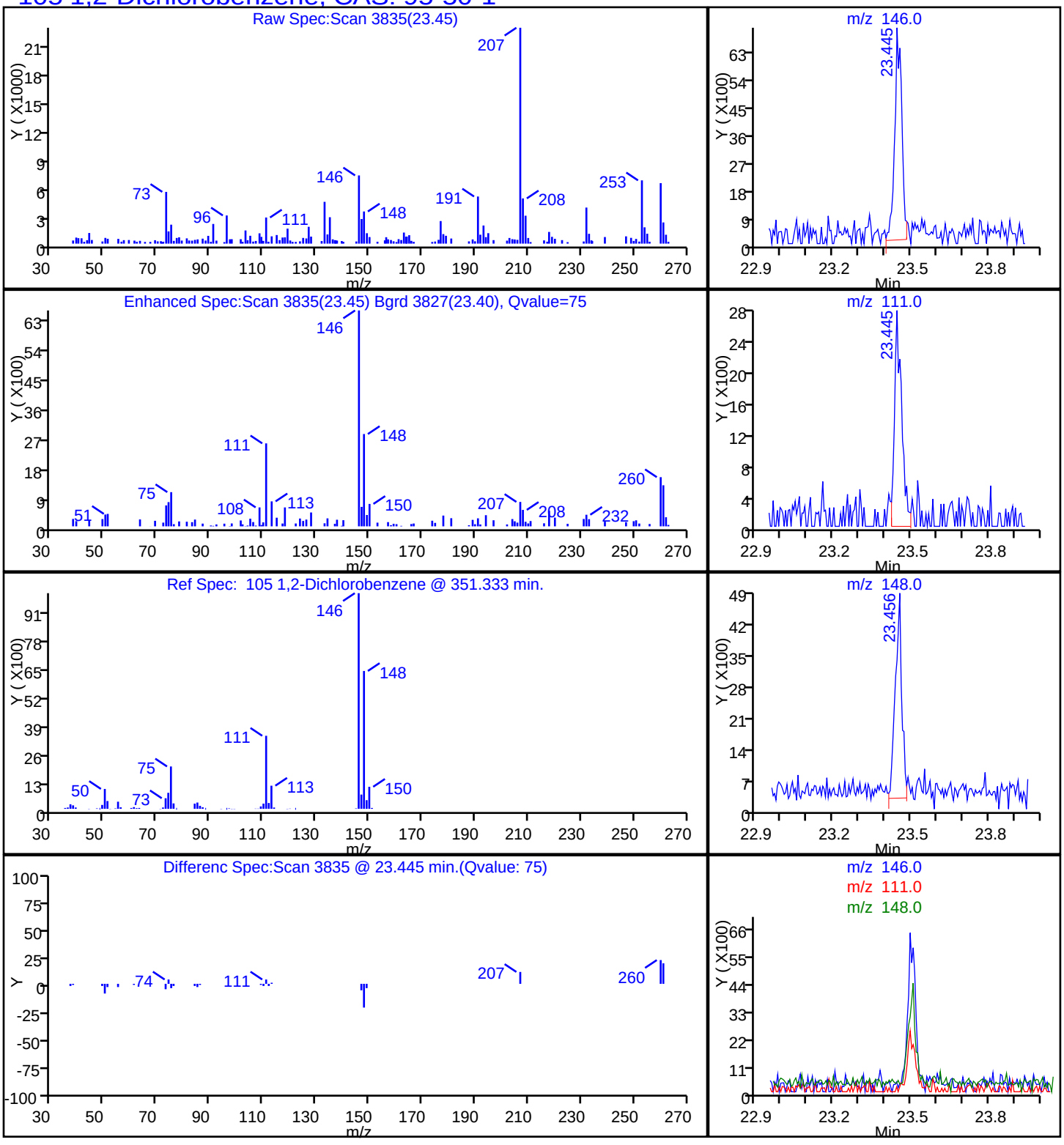
Report Date: 24-Feb-2014 11:53:44 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D

Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

105 1,2-Dichlorobenzene, CAS: 95-50-1



Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D				
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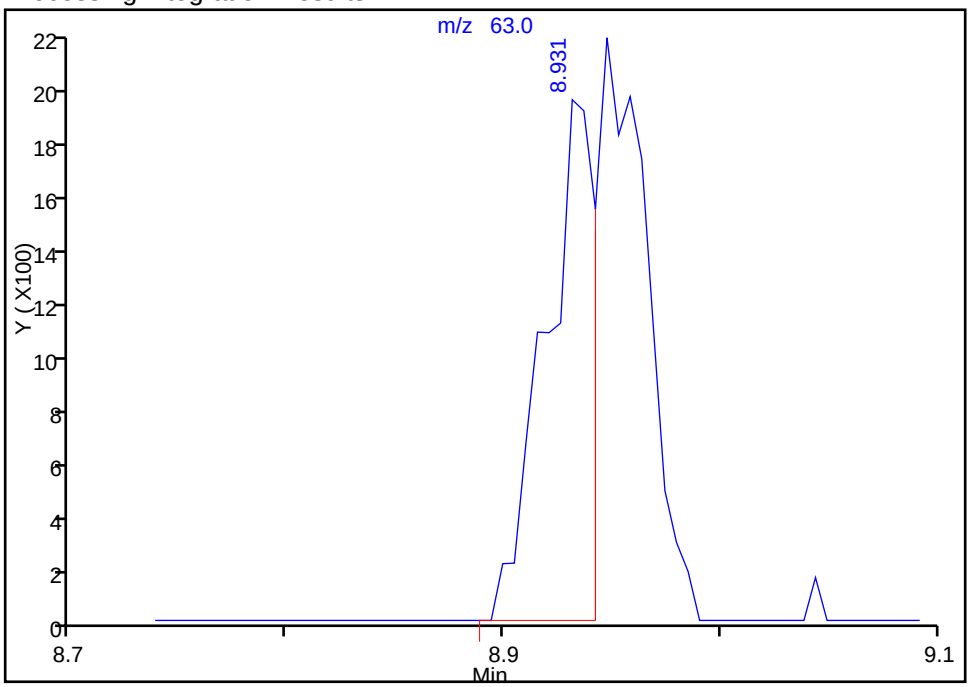
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3

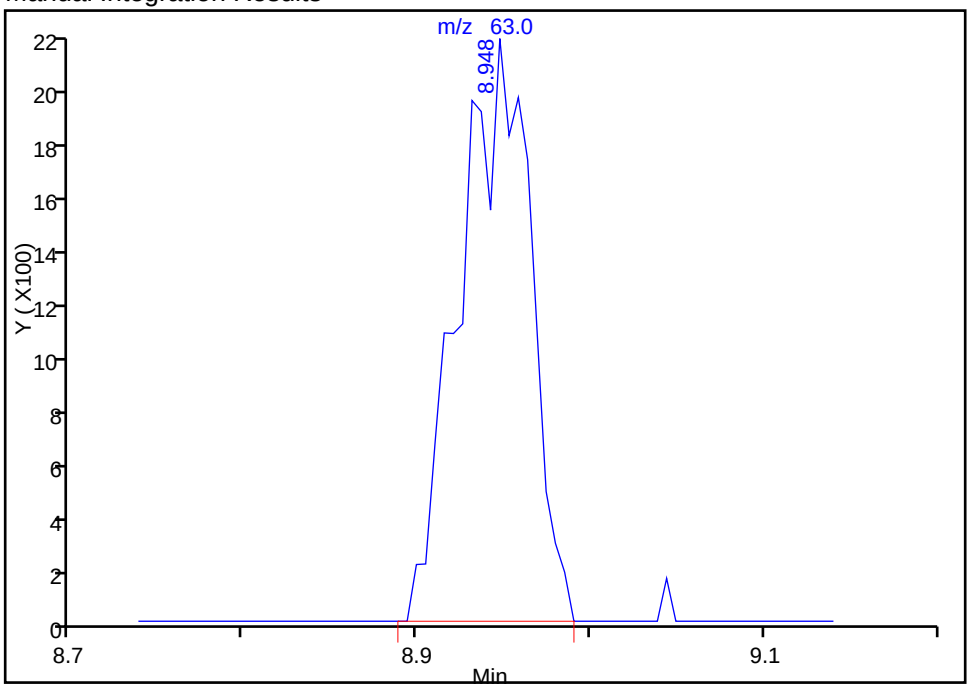
Processing Integration Results

RT: 8.93
Response: 3023
Amount: 0.030823



Manual Integration Results

RT: 8.95
Response: 6043
Amount: 0.061614



Reviewer: lyonsb, 24-Feb-2014 10:52:11
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

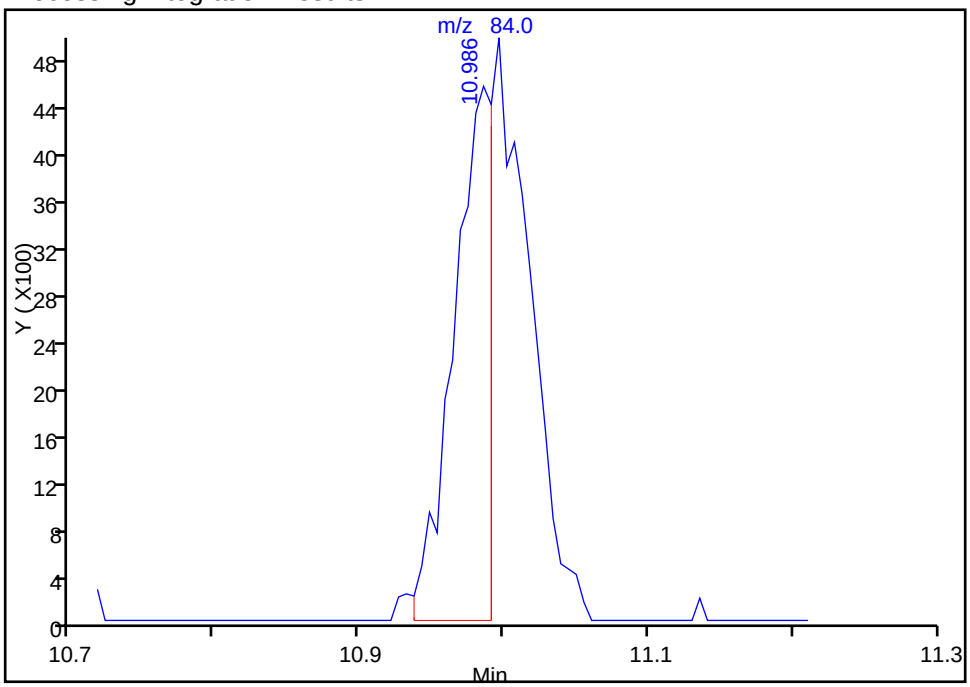
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D				
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

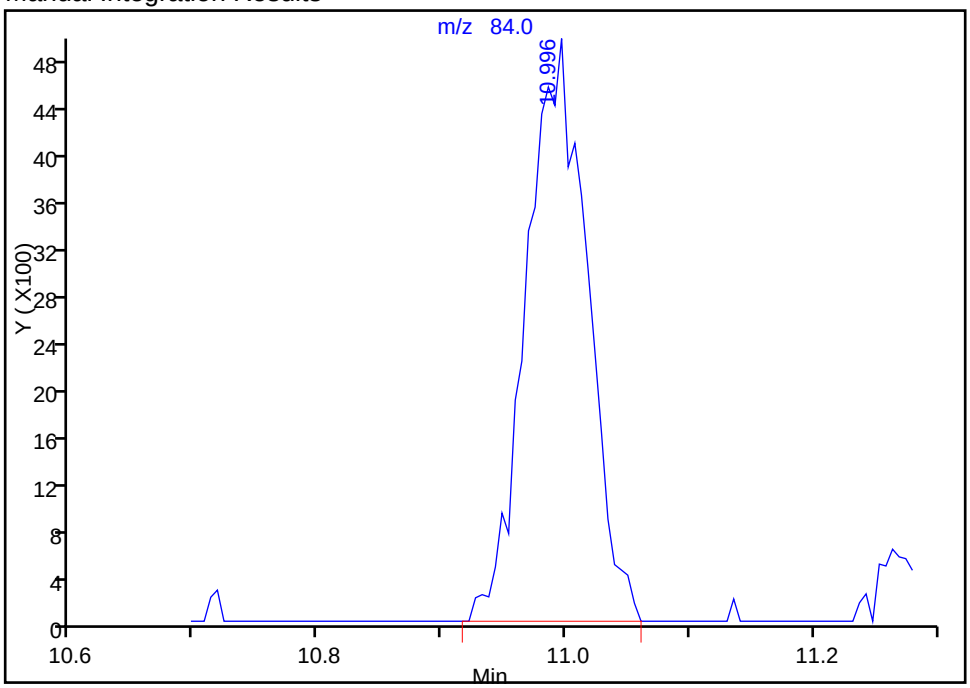
Processing Integration Results

RT: 10.99
Response: 8586
Amount: 0.089868



Manual Integration Results

RT: 11.00
Response: 17070
Amount: 0.178669



Reviewer: lyonsb, 24-Feb-2014 10:52:11
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

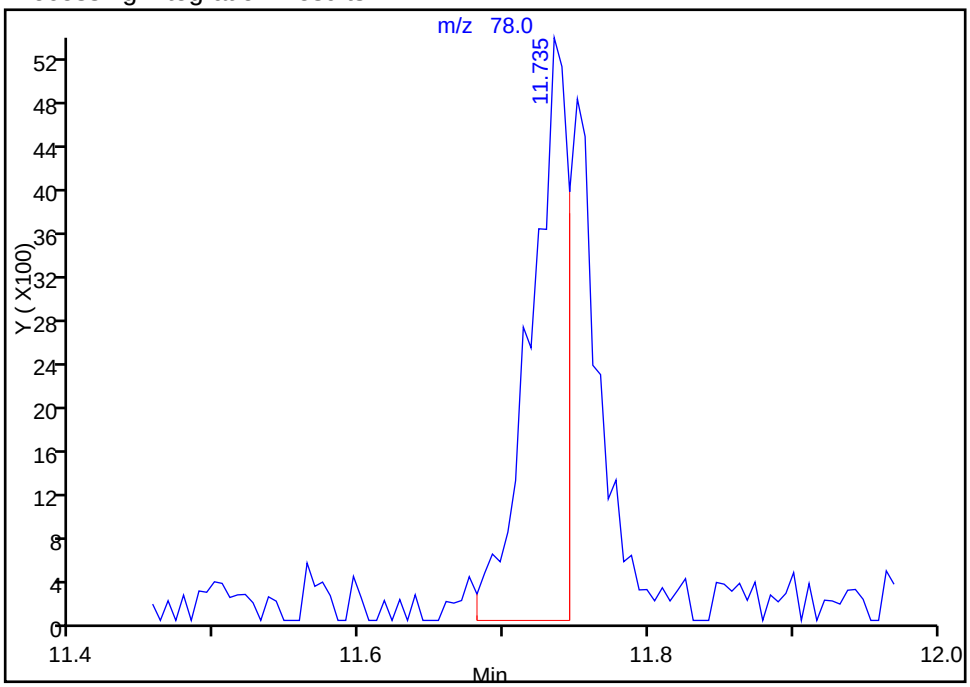
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D				
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2

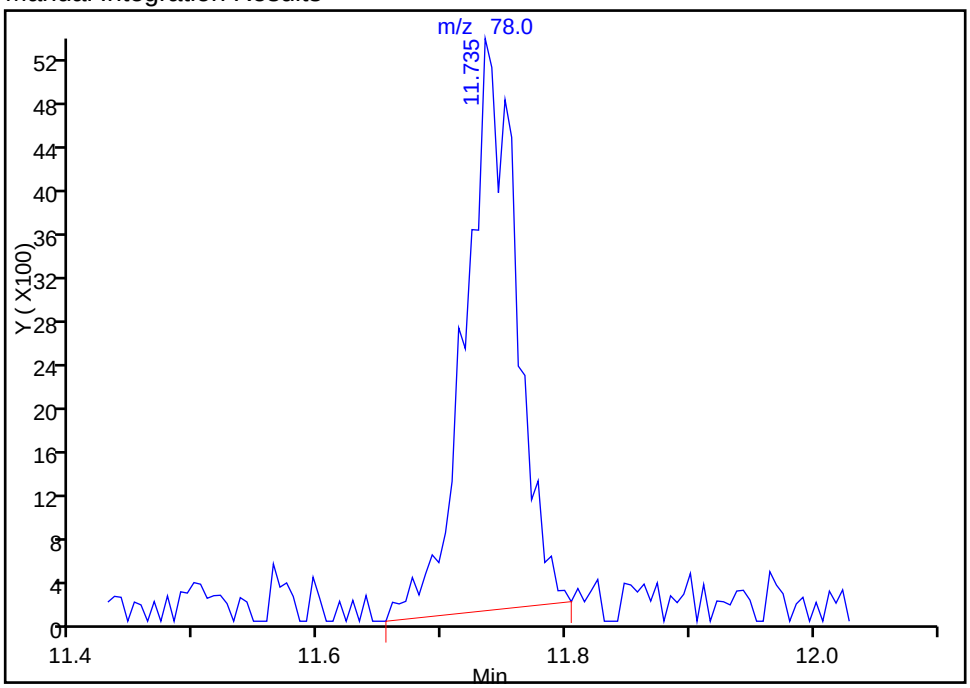
Processing Integration Results

RT: 11.73
Response: 9906
Amount: 0.038783



Manual Integration Results

RT: 11.73
Response: 15209
Amount: 0.059544



Reviewer: lyonsb, 24-Feb-2014 10:52:11
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

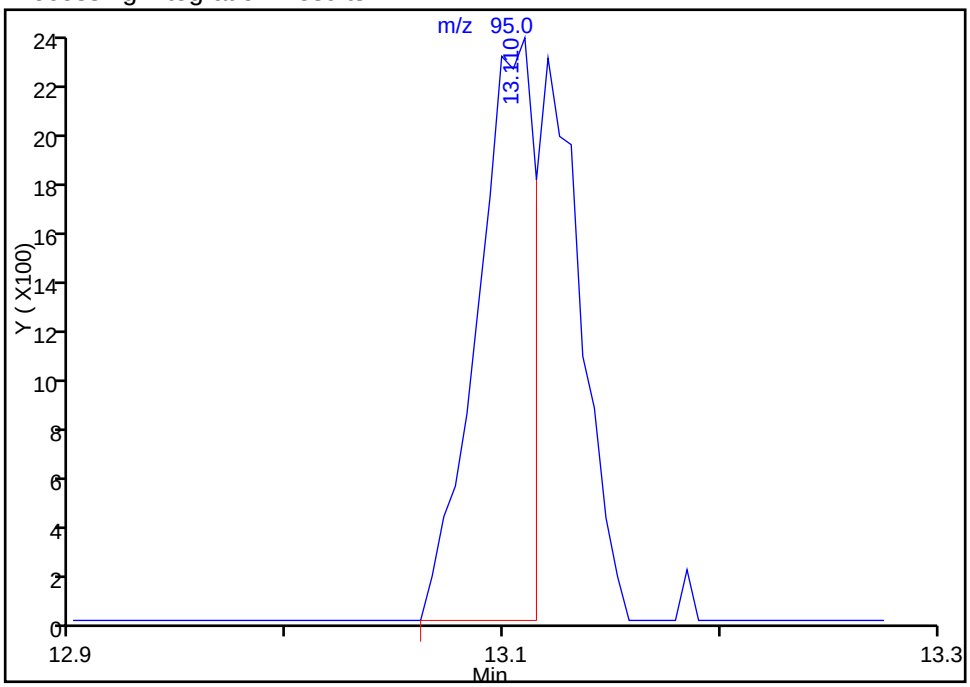
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D				
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

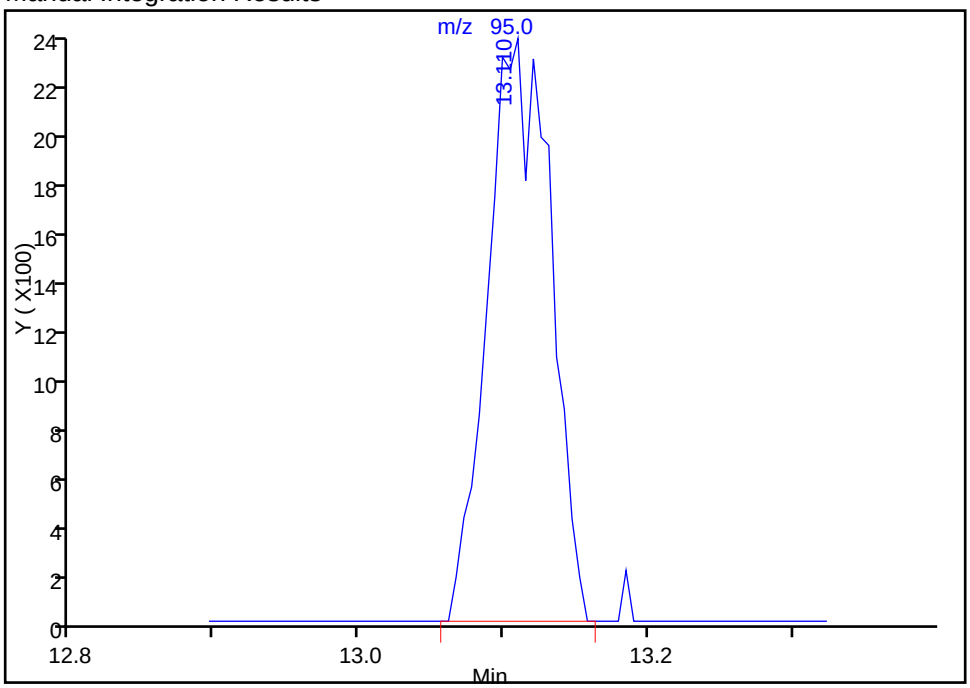
Processing Integration Results

RT: 13.11
Response: 4307
Amount: 0.023782



Manual Integration Results

RT: 13.11
Response: 7050
Amount: 0.038929



Reviewer: lyonsb, 24-Feb-2014 10:52:11
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

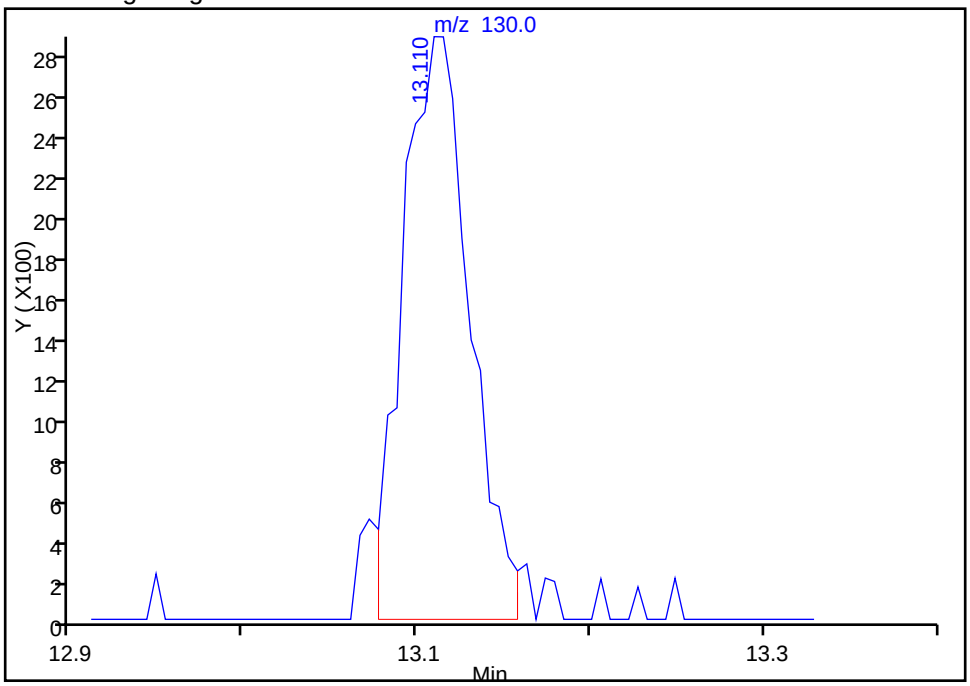
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D				
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

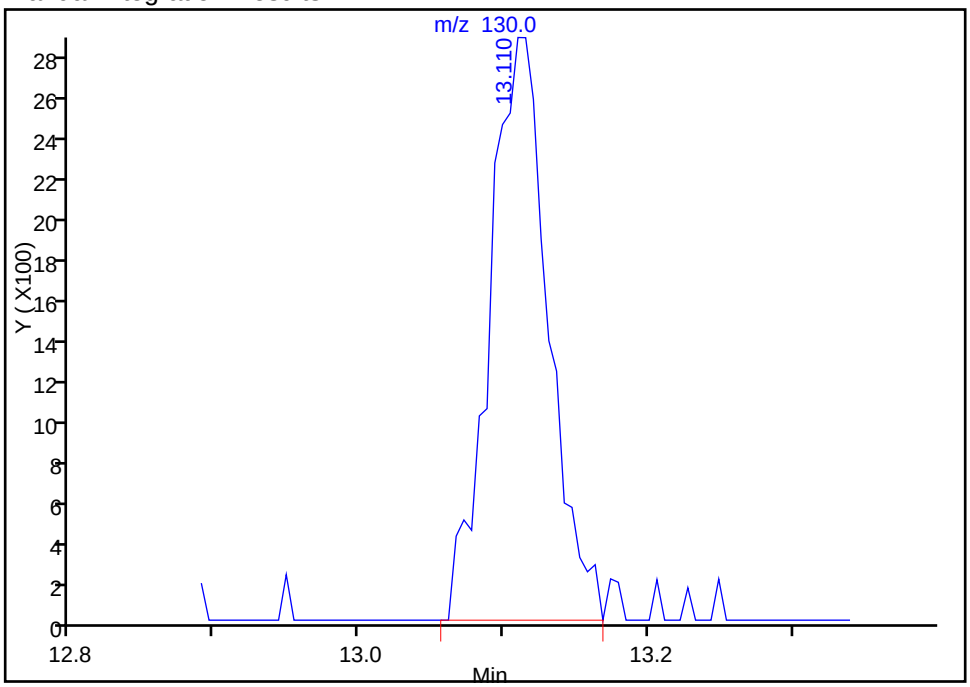
Processing Integration Results

RT: 13.11
Response: 7773
Amount: 0.023782



Manual Integration Results

RT: 13.11
Response: 8153
Amount: 0.038929



Reviewer: lyonsb, 24-Feb-2014 10:52:11
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

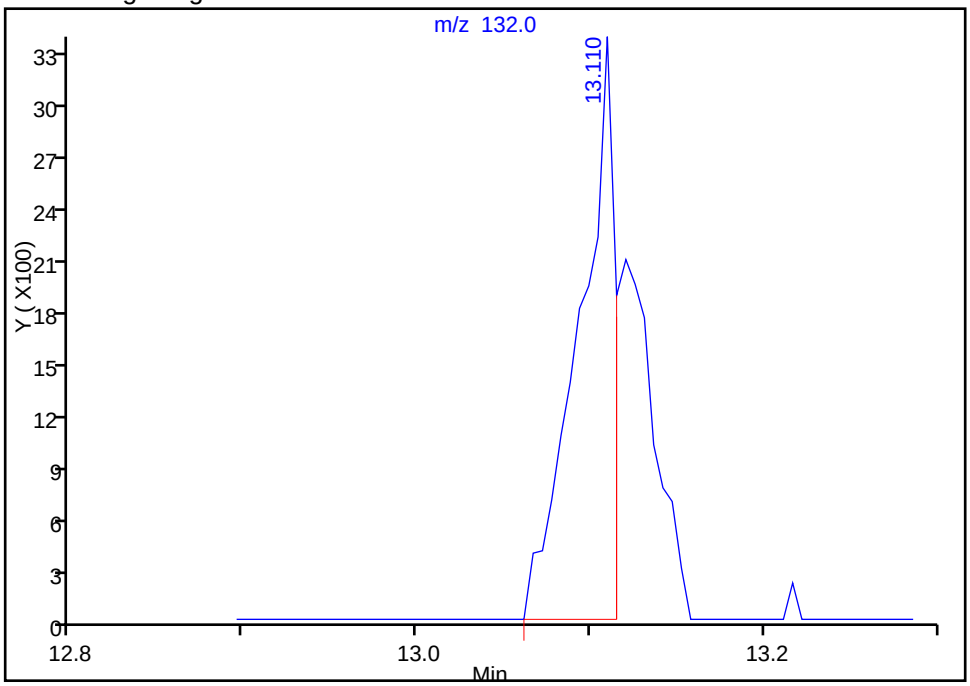
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_028.D				
Injection Date:	22-Feb-2014 08:32:30	Instrument ID:	CHG.i		
Lims ID:	200-20955-A-18	Lab Sample ID:	200-20955-18		
Client ID:	SS-VMP-6B				
Operator ID:	bl	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	200.000 mL	Dil. Factor:	10.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

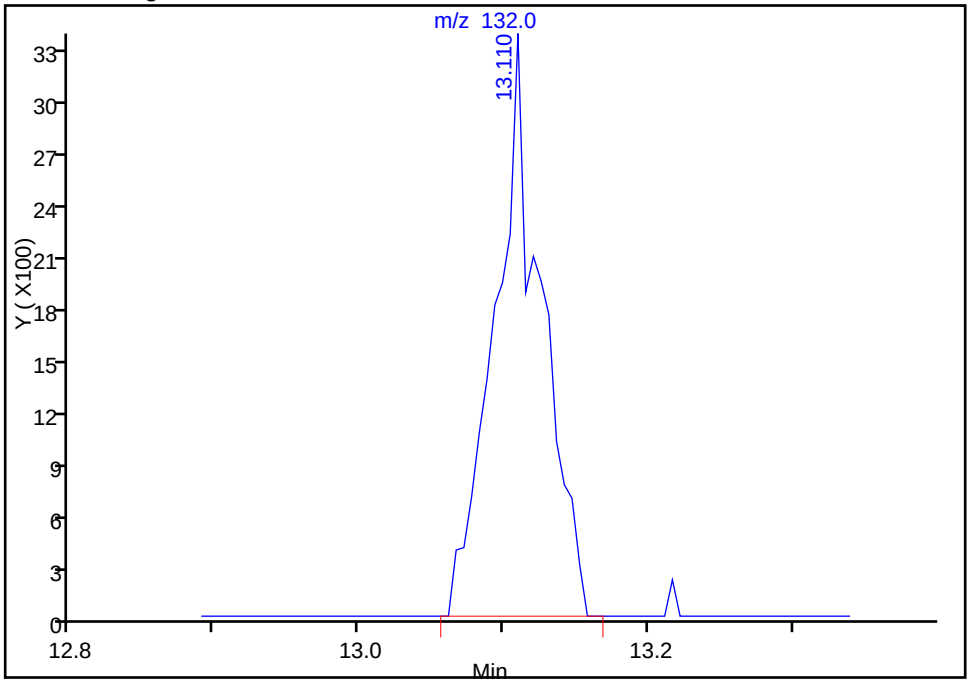
Processing Integration Results

RT: 13.11
Response: 4884
Amount: 0.023782



Manual Integration Results

RT: 13.11
Response: 7638
Amount: 0.038929



Reviewer: lyonsb, 24-Feb-2014 10:52:11
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3E Lab Sample ID: 200-20955-20

Matrix: Air Lab File ID: 6282_010.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:40

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 19:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.49	J	0.50	0.030
75-45-6	Freon 22	86.47	0.28	J	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.53		0.50	0.14
106-97-8	n-Butane	58.12	1.9		0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.26		0.20	0.030
76-13-1	Freon 113	187.38	0.083	J	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	27		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	600	E	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	2.9		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.23		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	25		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	1.3		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.065		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.16	J	0.20	0.027
71-43-2	Benzene	78.11	0.36		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3E Lab Sample ID: 200-20955-20

Matrix: Air Lab File ID: 6282_010.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:40

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 19:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.037	J	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.25	J	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.084	J	0.50	0.027
108-88-3	Toluene	92.14	0.67		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.13	J	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.10	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.28	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.12	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.40		0.20	0.034
100-42-5	Styrene	104.15	0.059	J	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.038	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	J	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.13	J	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.82	B	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3E Lab Sample ID: 200-20955-20

Matrix: Air Lab File ID: 6282_010.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:40

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 19:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3E Lab Sample ID: 200-20955-20

Matrix: Air Lab File ID: 6282_010.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:40

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 19:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.4	J	2.5	0.15
75-45-6	Freon 22	86.47	0.99	J	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.1		1.0	0.28
106-97-8	n-Butane	58.12	4.6		1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.4		1.1	0.17
76-13-1	Freon 113	187.38	0.64	J	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	65		12	3.0
67-63-0	Isopropyl alcohol	60.10	1500	E	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	10		1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.80		0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	72		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	4.6		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.41		0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.77	J	0.93	0.13
71-43-2	Benzene	78.11	1.1		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3E Lab Sample ID: 200-20955-20

Matrix: Air Lab File ID: 6282_010.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:40

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 19:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.20	J	0.21	0.13
80-62-6	Methyl methacrylate	100.12	1.0	J	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.34	J	2.0	0.11
108-88-3	Toluene	92.14	2.5		0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	0.87	J	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.45	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	1.2	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.51	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	1.7		0.87	0.15
100-42-5	Styrene	104.15	0.25	J	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.19	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	J	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.65	J	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	4.9	B	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-3E Lab Sample ID: 200-20955-20

Matrix: Air Lab File ID: 6282_010.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:40

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 19:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d
Lims ID: 200-20955-A-20 Lab Sample ID: 200-20955-20
Client ID: SS-VMP-3E
Sample Type: Client
Inject. Date: 24-Feb-2014 19:16:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006282-010
Misc. Info.: 200-20955-a-20
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 09:48:16 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 25-Feb-2014 09:15:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.458	4.463	-0.005	98	84597	0.4948	
6 Chlorodifluoromethane	51	4.527	4.528	-0.001	47	18204	0.2811	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.816					
8 Chloromethane	50	5.004	5.009	-0.005	92	15463	0.5254	
9 Butane	43	5.271	5.276	-0.005	95	92476	1.94	
10 Vinyl chloride	62		5.335					
11 Butadiene	54		5.432					
12 Bromomethane	94		6.298					
14 Chloroethane	64		6.587					
16 Vinyl bromide	106		7.063					
17 Trichlorofluoromethane	101	7.186	7.181	0.005	92	49312	0.2573	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.449	8.433	0.016	80	10010	0.0835	M
24 1,1-Dichloroethene	96		8.508					
25 Acetone	43	8.743	8.743	0.0	87	1487739	27.4	
26 Carbon disulfide	76		8.995					
27 Isopropyl alcohol	45	9.112	9.027	0.085	96	27299691	600.2	E
29 3-Chloro-1-propene	41		9.401					
31 Methylene Chloride	49	9.738	9.727	0.011	79	110195	2.92	
32 2-Methyl-2-propanol	59		9.904					
33 Methyl tert-butyl ether	73		10.155					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.230					
36 Hexane	57	10.653	10.648	0.005	79	11849	0.2265	
37 1,1-Dichloroethane	63		11.193					
39 cis-1,2-Dichloroethene	96		12.370					
40 2-Butanone (MEK)	72	12.386	12.386	0.0	96	563722	24.5	
44 Tetrahydrofuran	42		12.846					
* 43 Chlorobromomethane	128	12.857	12.857	0.0	67	373844	10.0	
45 Chloroform	83		12.964					
46 Cyclohexane	84	13.258	13.258	0.0	85	89216	1.33	
47 1,1,1-Trichloroethane	97		13.274					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	48 Carbon tetrachloride	117	13.520	13.531	-0.011	74	11345	0.0645		
	51 Isooctane	57	13.922	13.922	0.0	93	29566	0.1649		
	50 Benzene	78	13.975	13.980	-0.005	92	57637	0.3587		
	52 1,2-Dichloroethane	62		14.141						
	53 n-Heptane	43		14.269						
*	54 1,4-Difluorobenzene	114	14.745	14.745	0.0	92	1843977	10.0		
	56 Trichloroethene	95	15.200	15.206	-0.006	62	3034	0.0367		M
	58 1,2-Dichloropropane	63		15.730						
	59 Methyl methacrylate	69	15.810	15.810	0.0	90	12628	0.2489		
	60 1,4-Dioxane	88		15.901						
	62 Dichlorobromomethane	83		16.217						
	64 cis-1,3-Dichloropropene	75		17.083						
	65 4-Methyl-2-pentanone (MIBK)	43	17.324	17.319	0.005	80	6572	0.0838		
	66 Toluene	92	17.661	17.656	0.005	93	81982	0.6718		
	70 trans-1,3-Dichloropropene	75		18.191						
	71 1,1,2-Trichloroethane	83		18.554						
	72 Tetrachloroethene	166	18.699	18.699	0.0	88	19551	0.1287		
	73 2-Hexanone	43		18.945						
	74 Chlorodibromomethane	129		19.314						
	75 Ethylene Dibromide	107		19.598						
S	82 Xylenes, Total	106				0		0.4008		7
*	76 Chlorobenzene-d5	117	20.443	20.443	0.0	83	1682750	10.0		
	77 Chlorobenzene	112		20.496						
	78 Ethylbenzene	91	20.614	20.614	0.0	88	29243	0.1026		
	80 m-Xylene & p-Xylene	106	20.828	20.833	-0.005	99	32482	0.2825		
	83 o-Xylene	106	21.550	21.545	0.005	84	12848	0.1184		
	84 Styrene	104	21.588	21.582	0.006	80	9423	0.0585		
	85 Bromoform	173		21.957						
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1157861	NC		
	88 1,1,2,2-Tetrachloroethane	83		22.668						
	90 N-Propylbenzene	91		22.743						
	91 4-Ethyltoluene	105	22.914	22.909	0.005	38	14260	0.0384		M
	92 2-Chlorotoluene	91		22.941						
	94 1,3,5-Trimethylbenzene	105	23.005	23.000	0.005	82	13808	0.0402		M
	96 tert-Butylbenzene	119		23.476						
	97 1,2,4-Trimethylbenzene	105	23.572	23.567	0.005	90	43321	0.1320		
	98 sec-Butylbenzene	105		23.808						
	99 4-Isopropyltoluene	119		24.011						
	100 1,3-Dichlorobenzene	146	24.081	24.081	0.0	98	196091	0.8200		
	101 1,4-Dichlorobenzene	146		24.225						
	102 Benzyl chloride	91		24.434						
	103 n-Butylbenzene	91		24.648						
	105 1,2-Dichlorobenzene	146		24.830						
	107 1,2,4-Trichlorobenzene	180		27.729						
	108 Hexachlorobutadiene	225		27.932						
	109 Naphthalene	128		28.312						

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

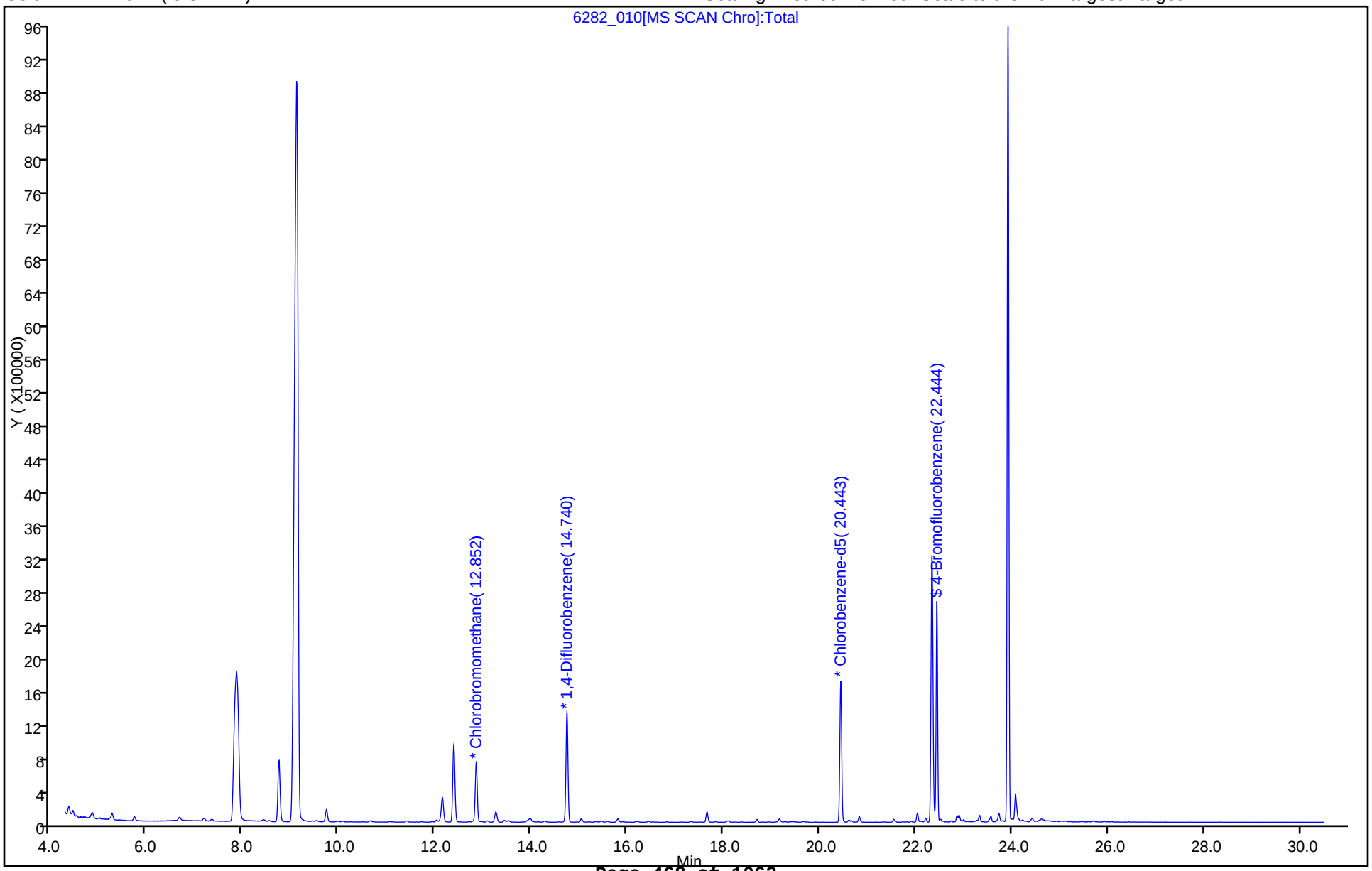
Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20	Worklist Smp#:	10
Client ID:	SS-VMP-3E				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



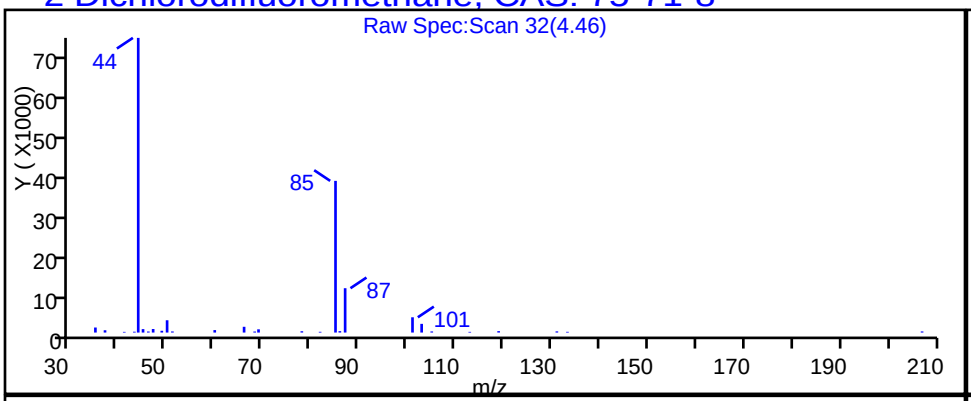
Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

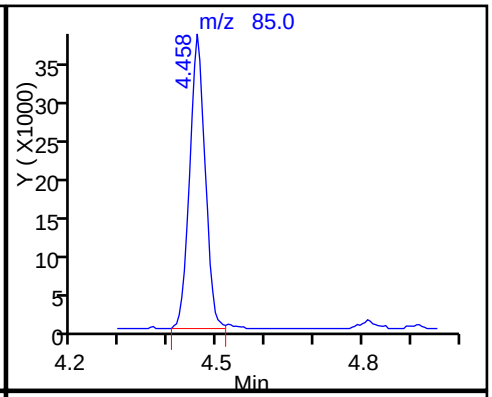
TestAmerica Burlington

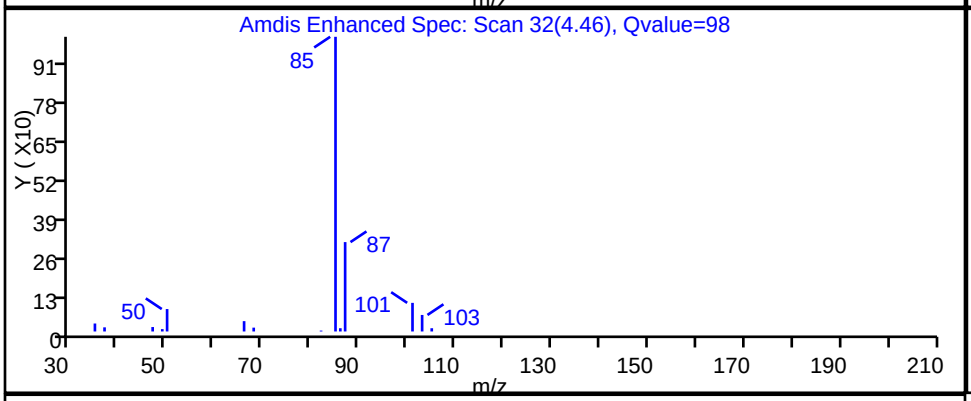
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

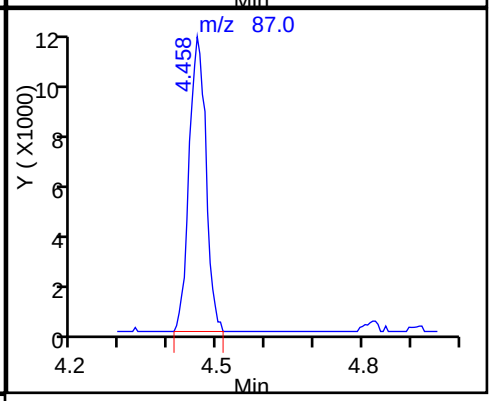
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

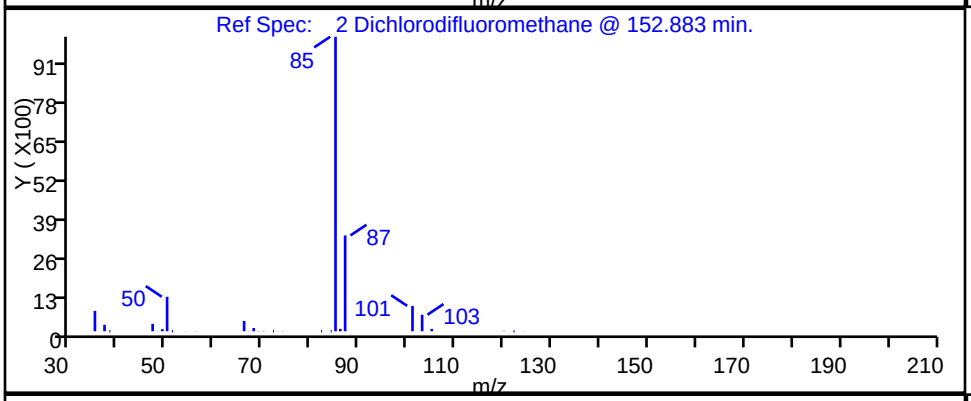
2 Dichlorodifluoromethane, CAS: 75-71-8

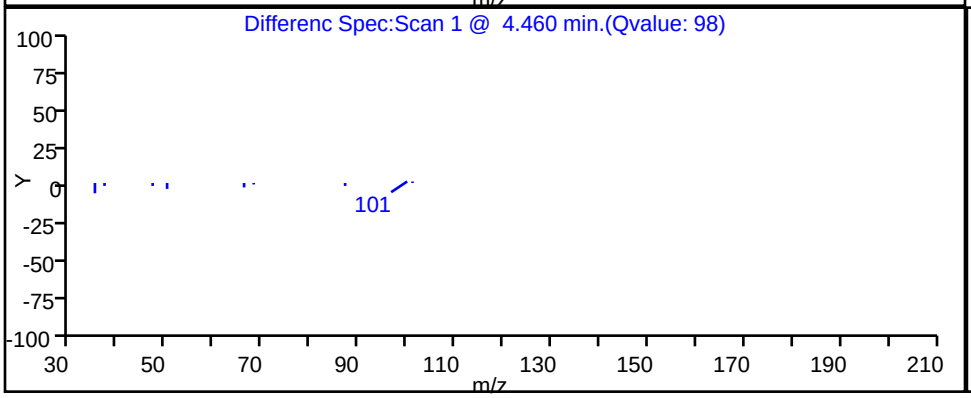


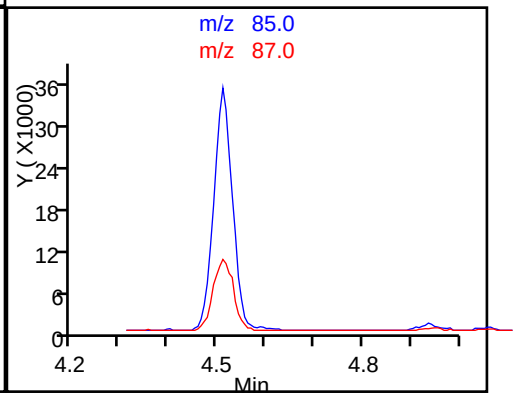












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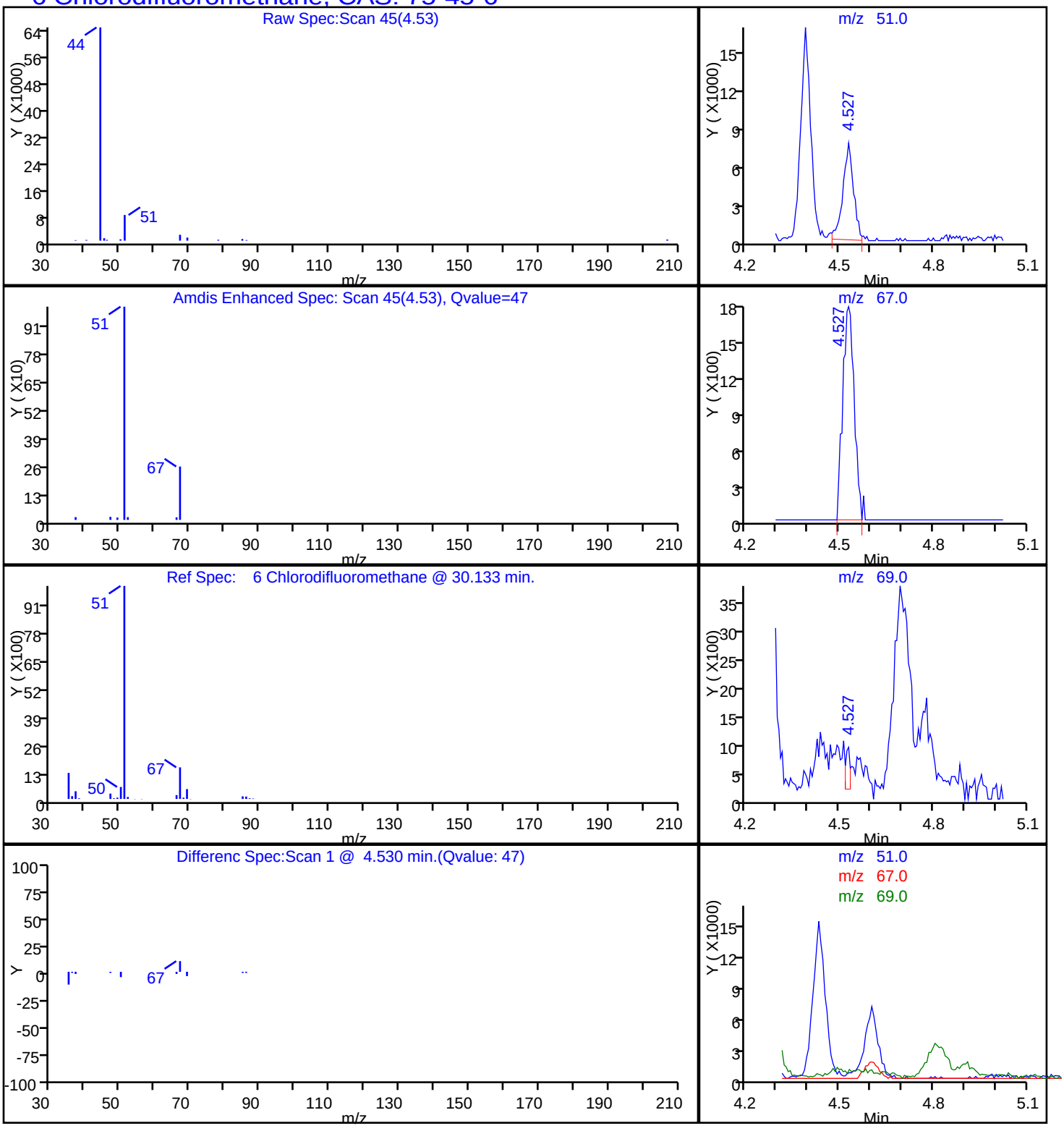
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



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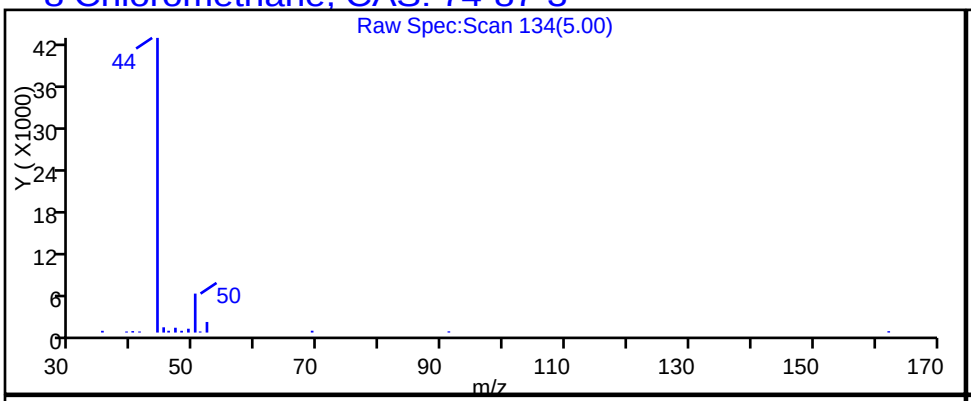
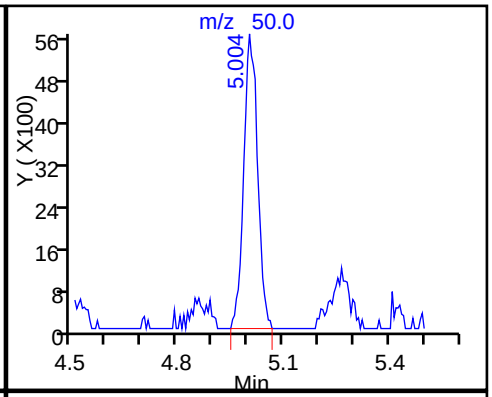
TestAmerica Burlington

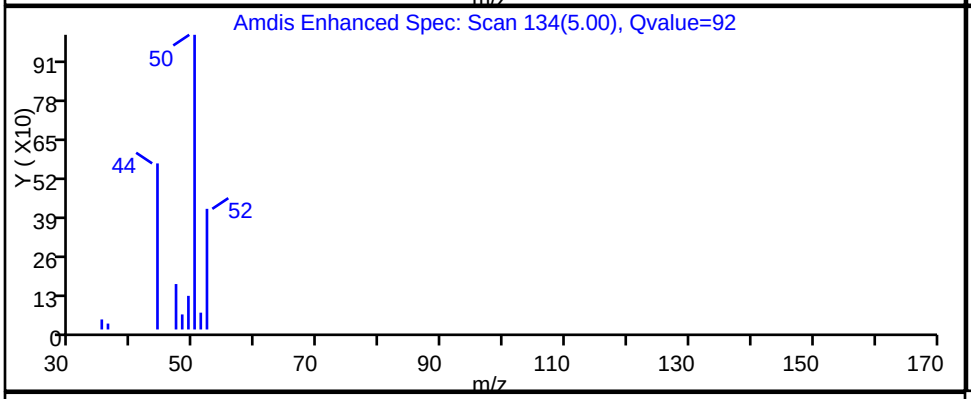
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

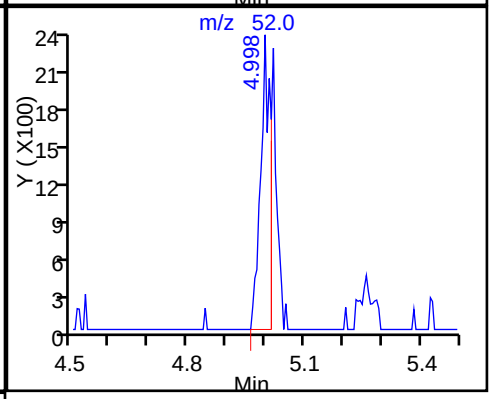
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

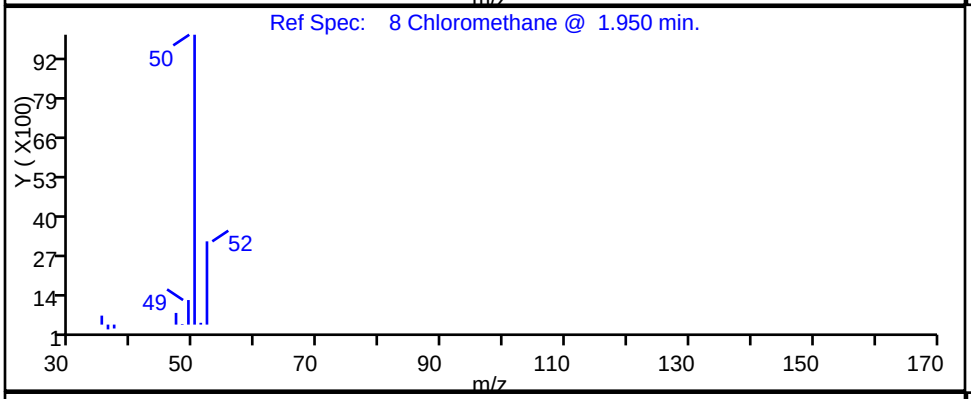
8 Chloromethane, CAS: 74-87-3

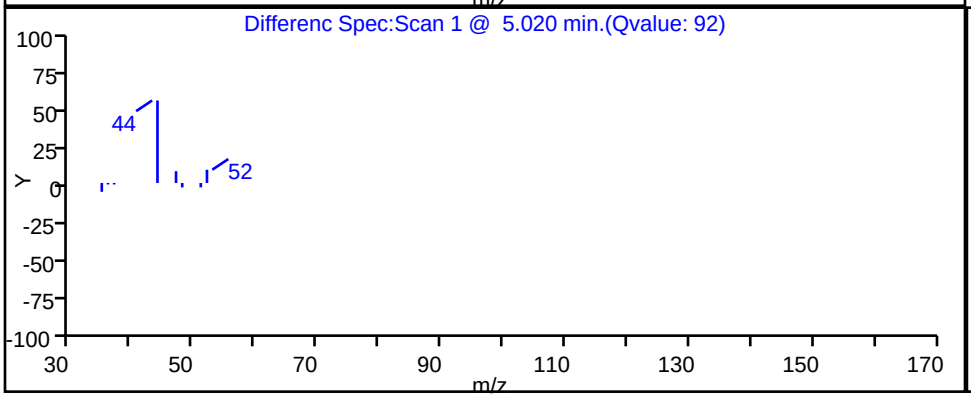


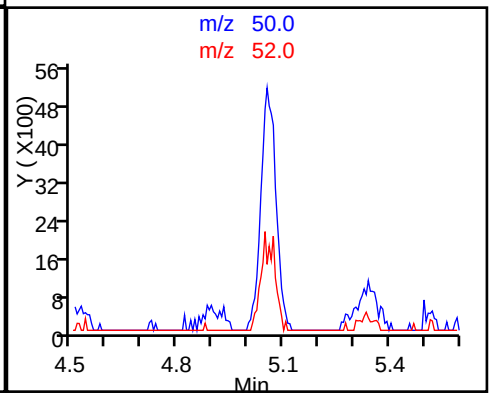












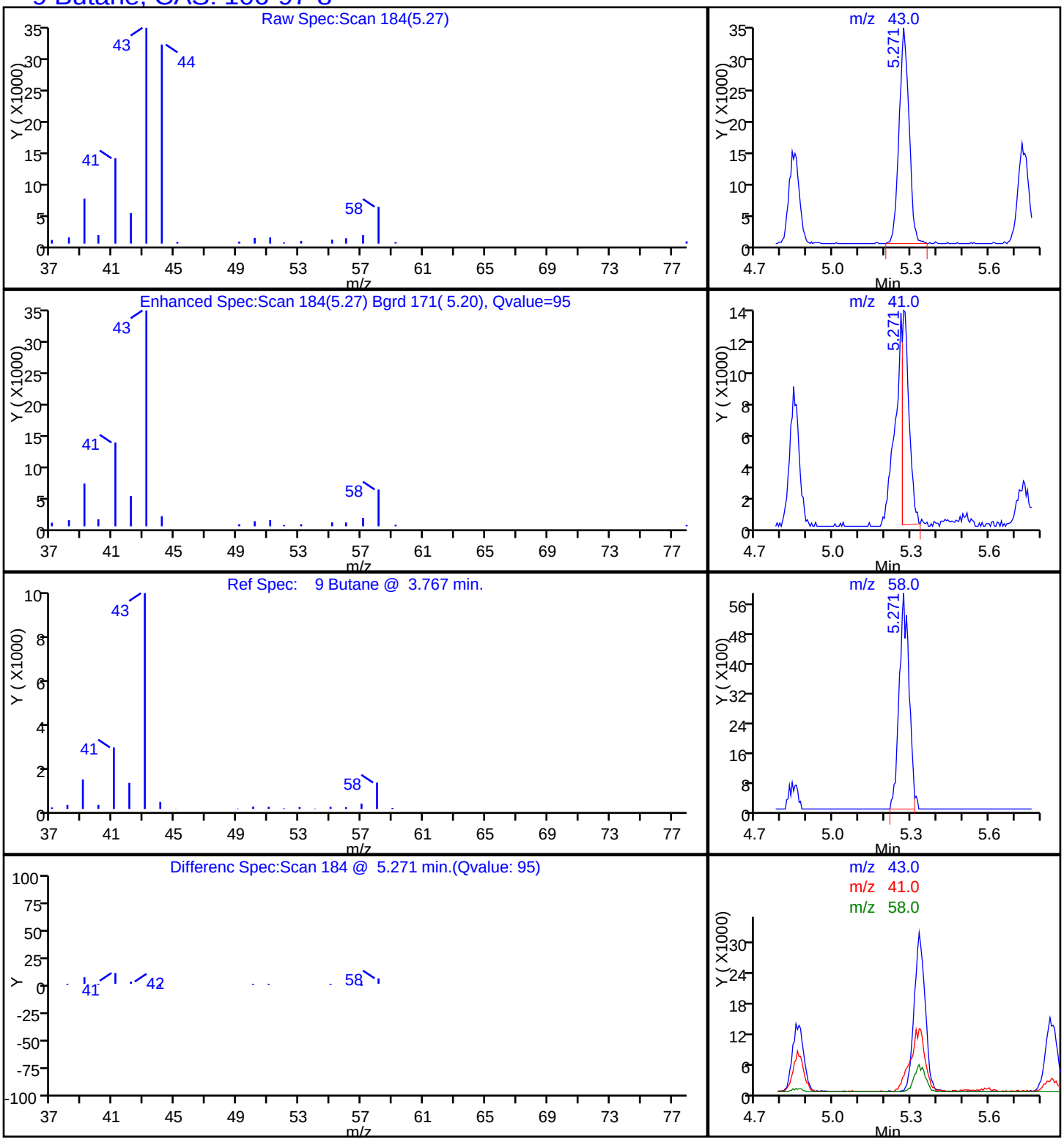
Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



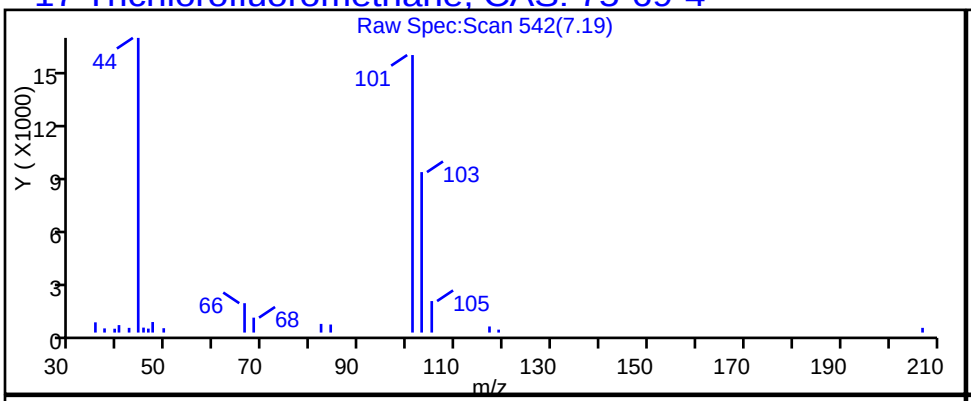
Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

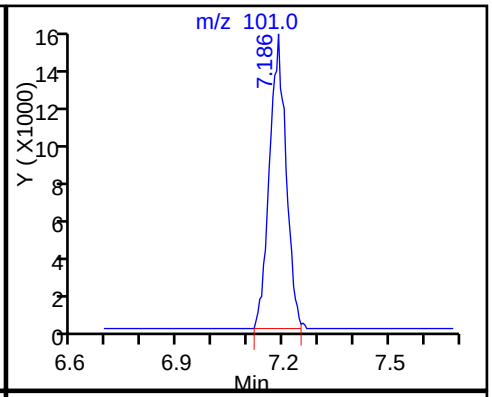
TestAmerica Burlington

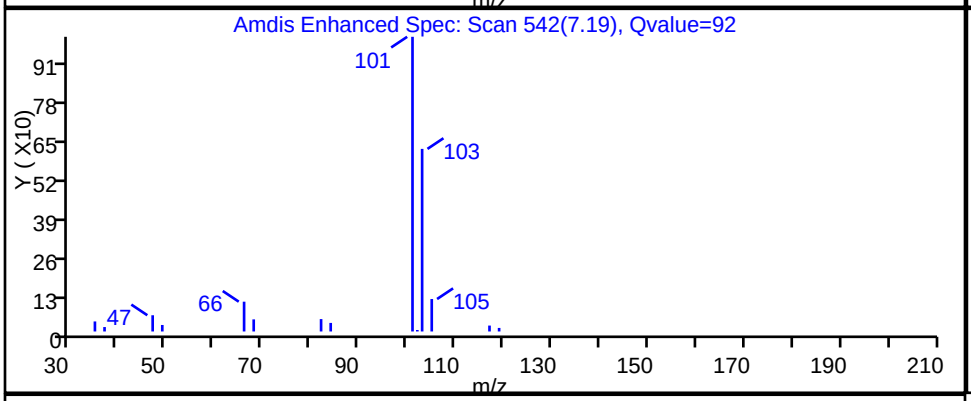
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

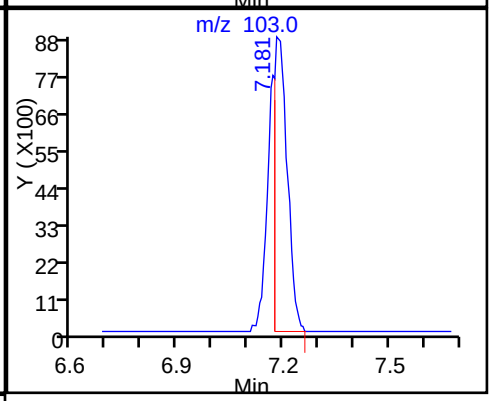
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

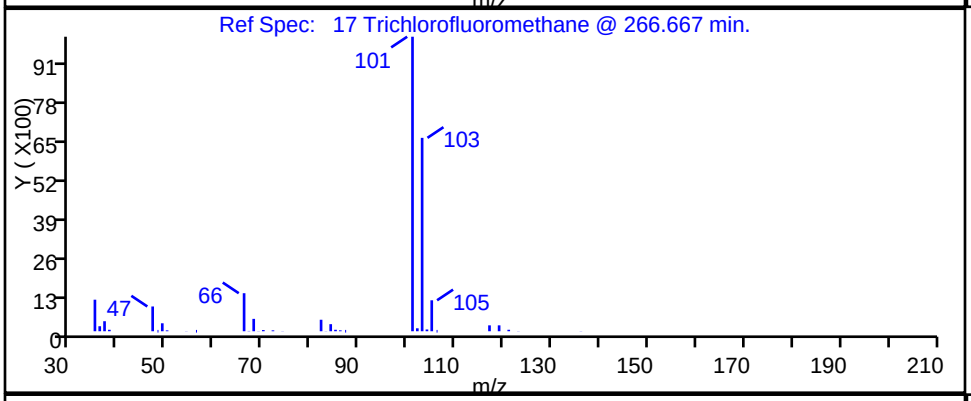
17 Trichlorofluoromethane, CAS: 75-69-4

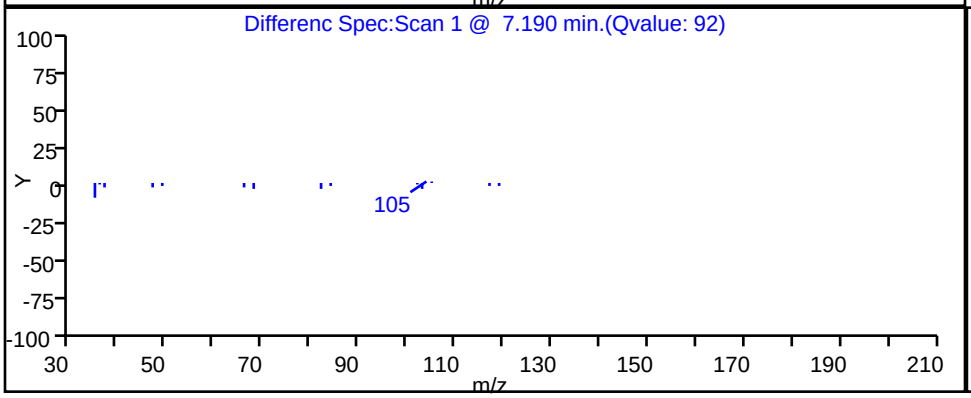


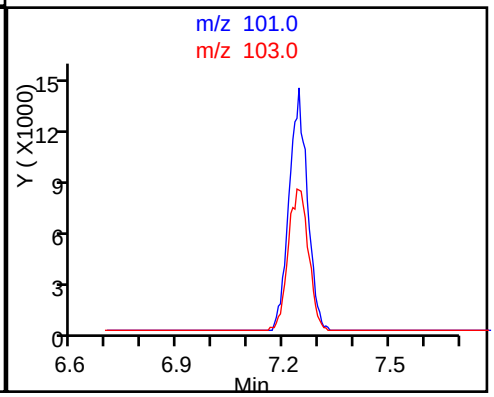










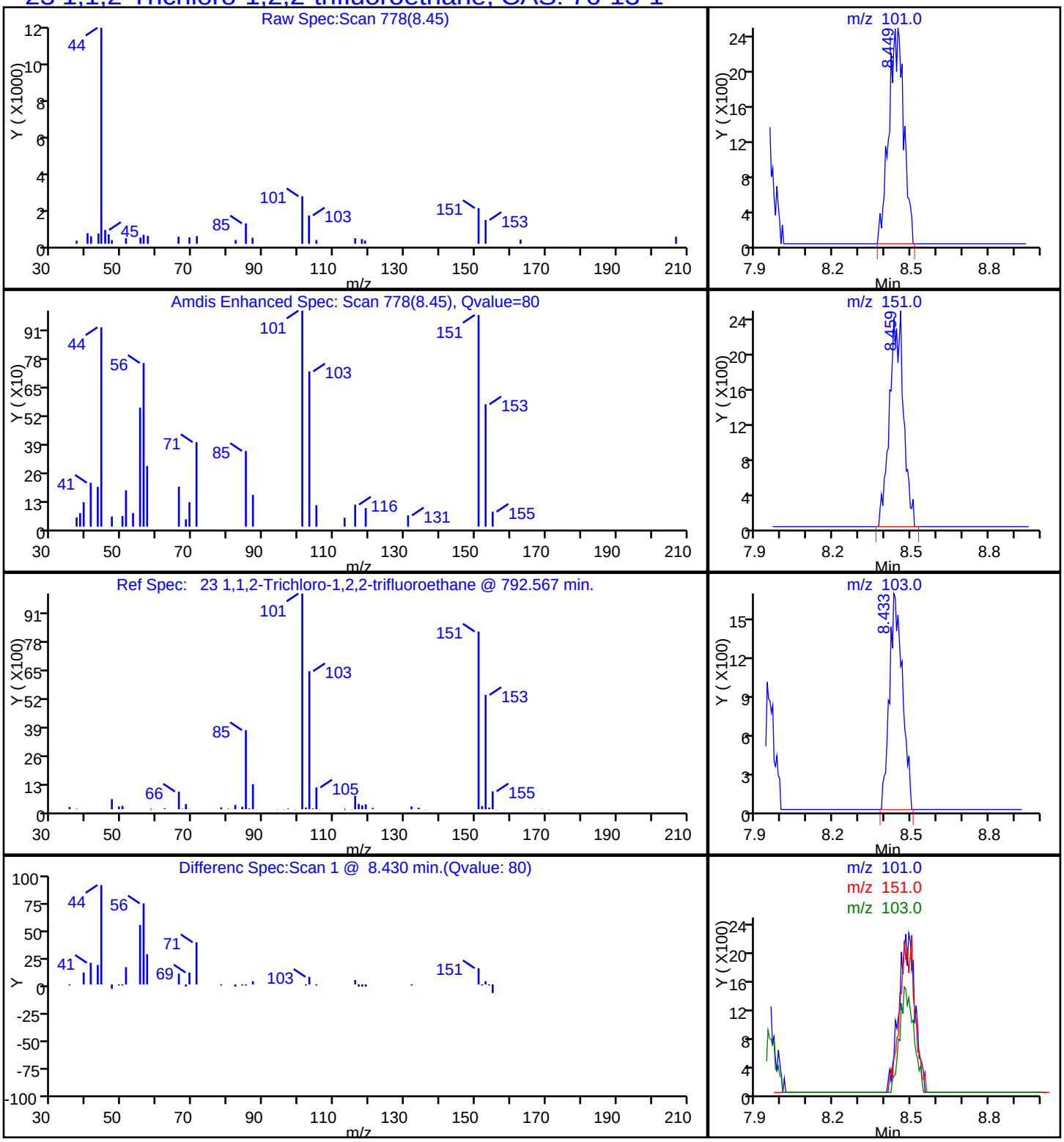


Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



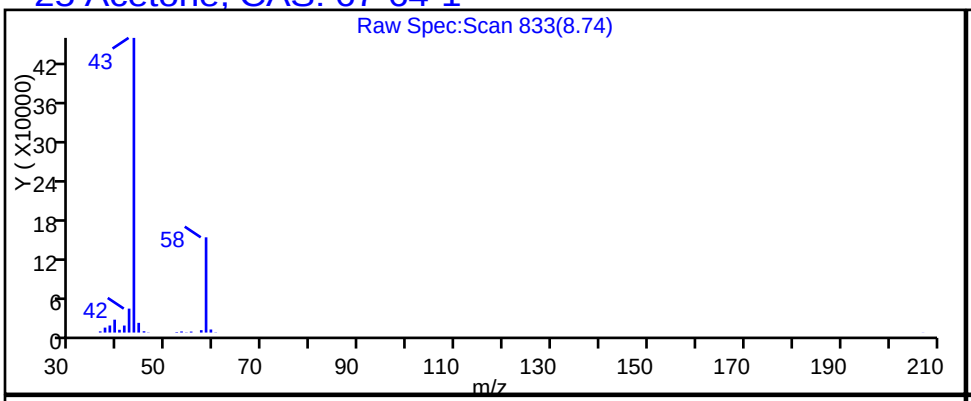
Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

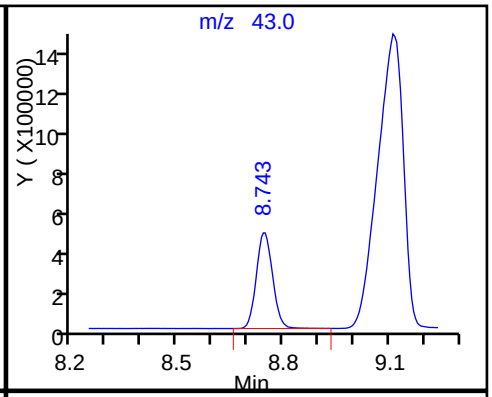
TestAmerica Burlington

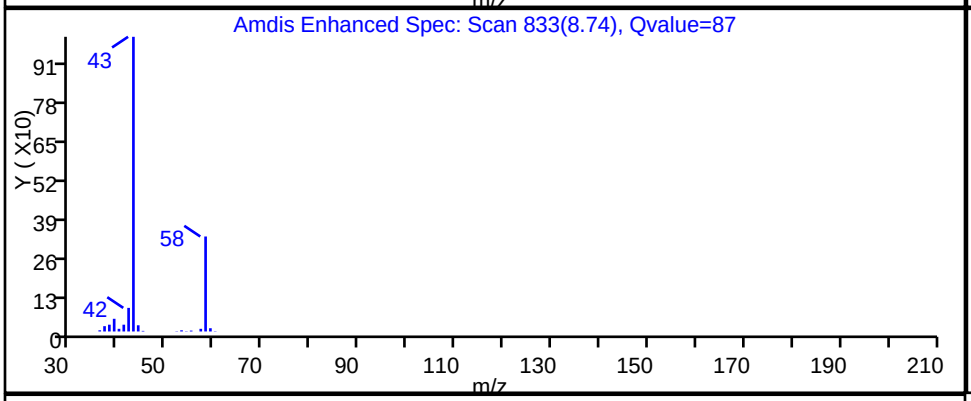
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

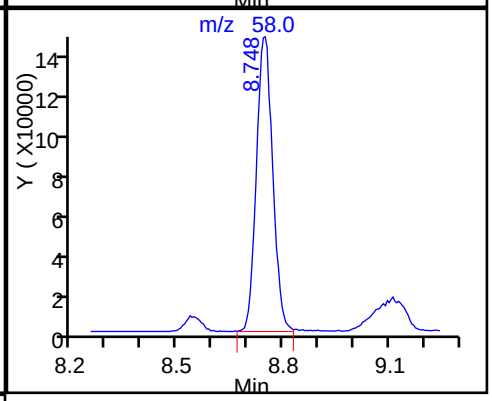
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

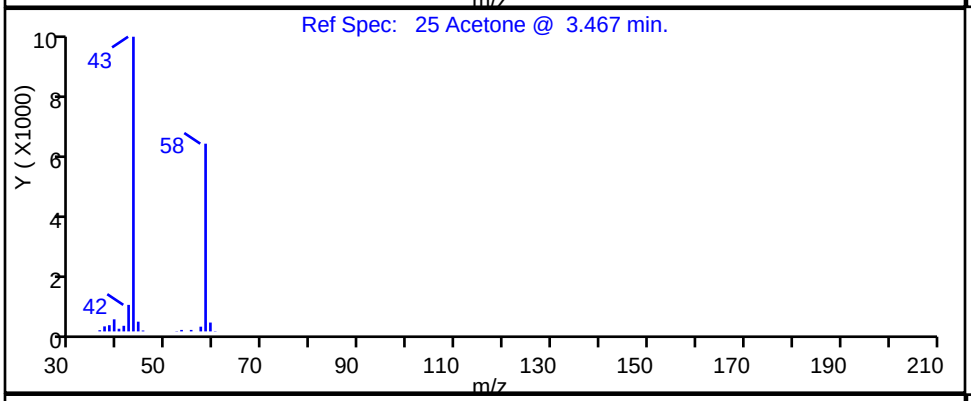
25 Acetone, CAS: 67-64-1

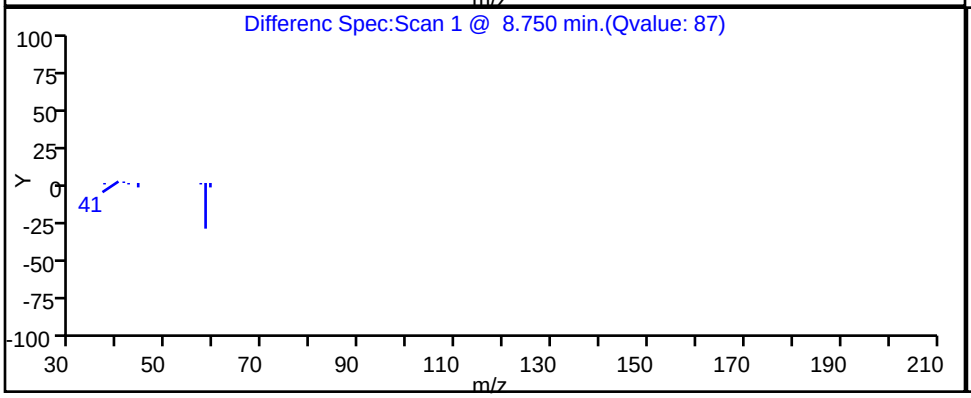


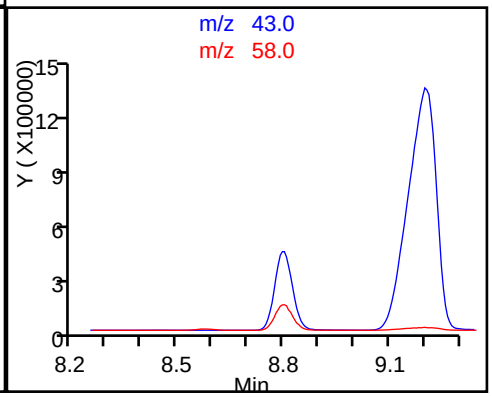












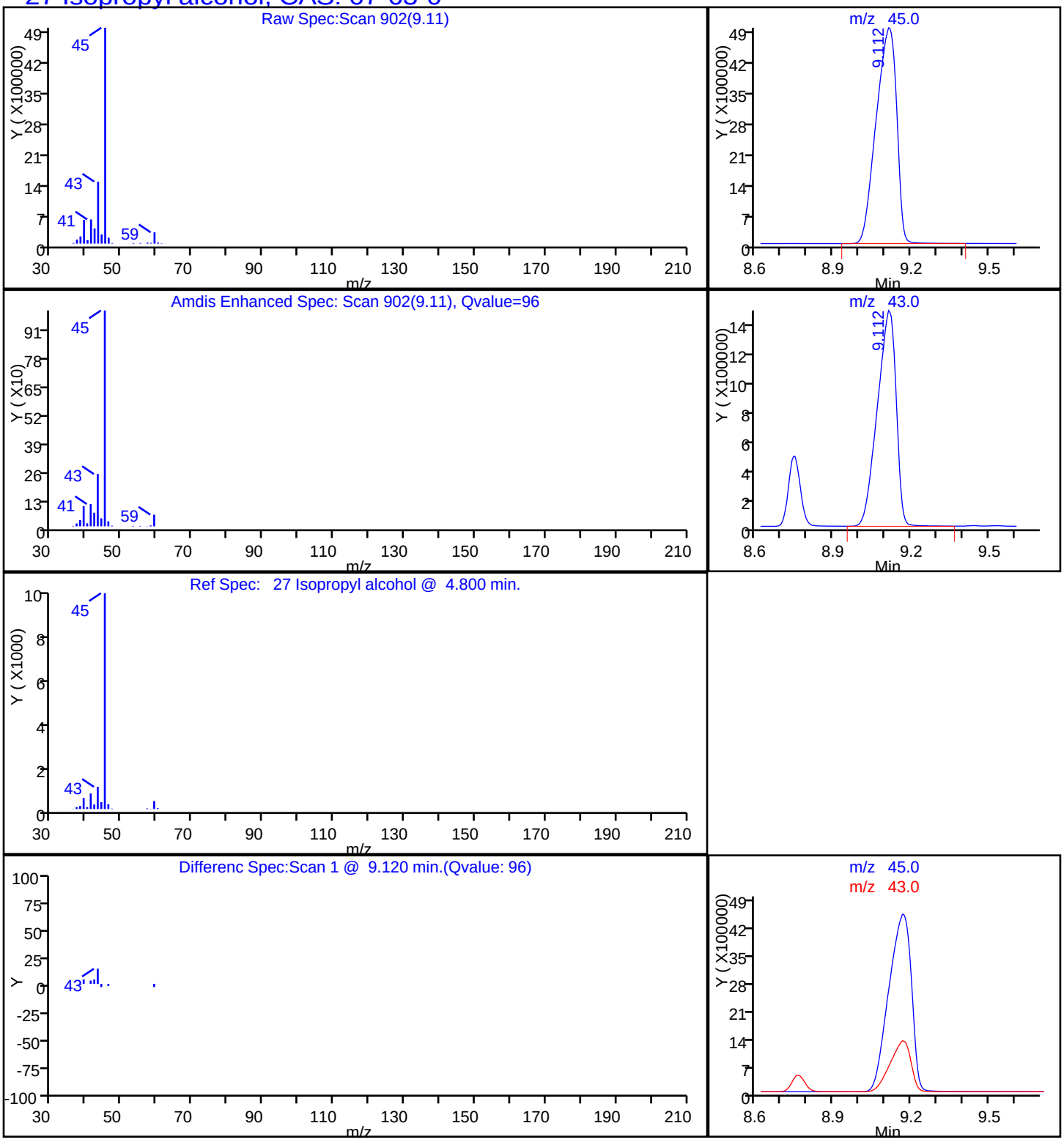
Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



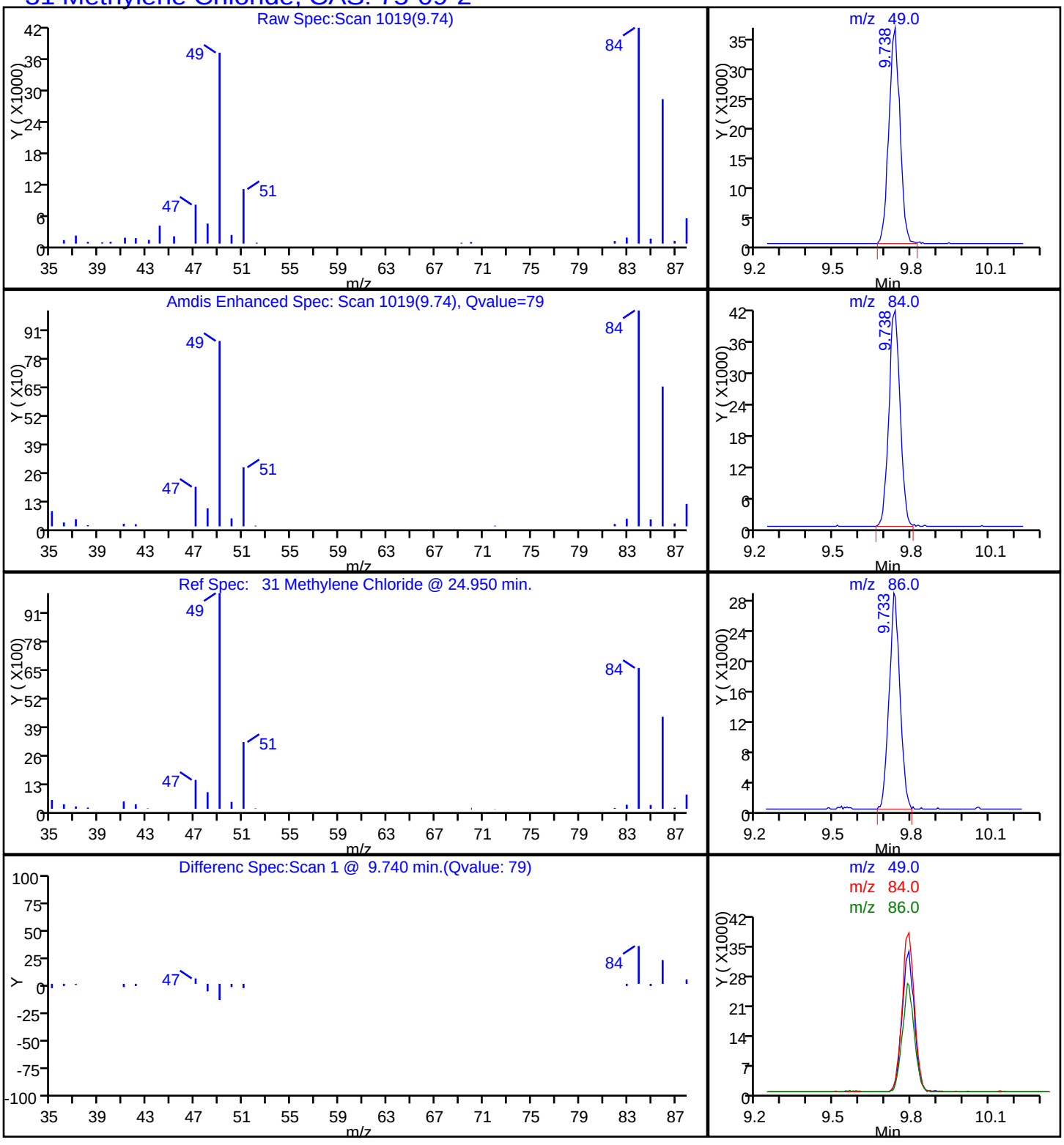
Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2

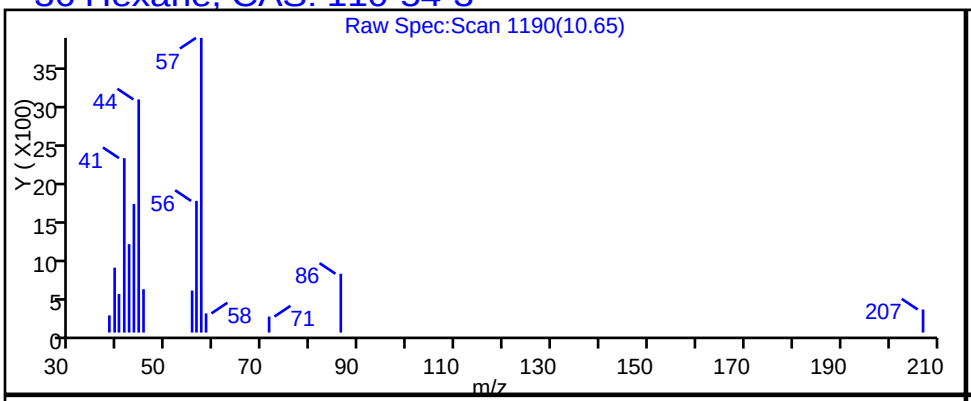


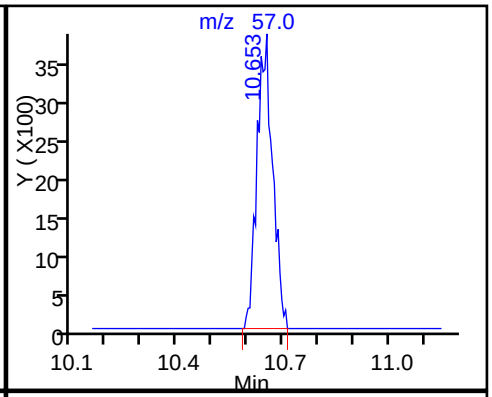
Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

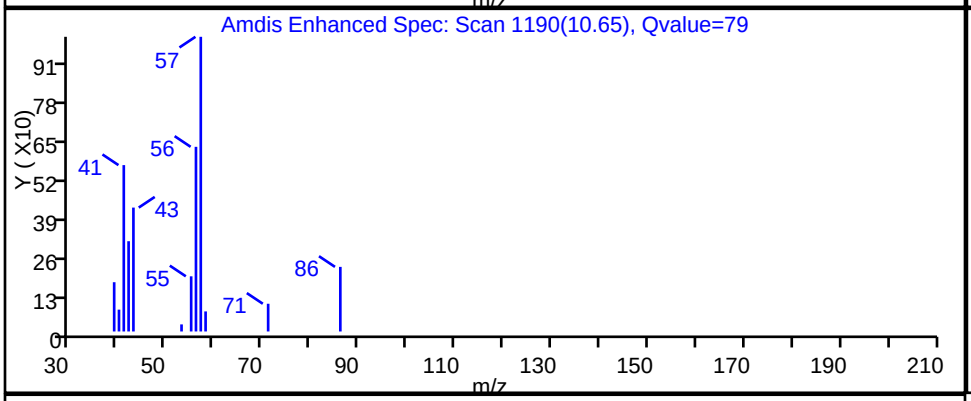
TestAmerica Burlington

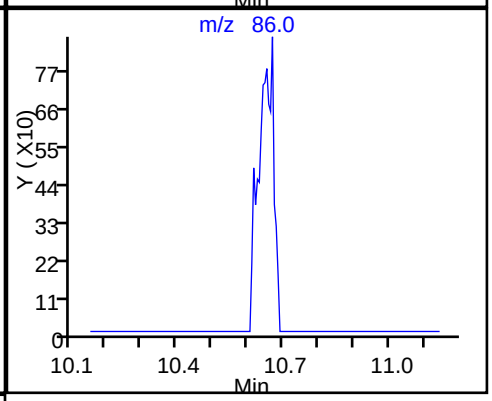
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

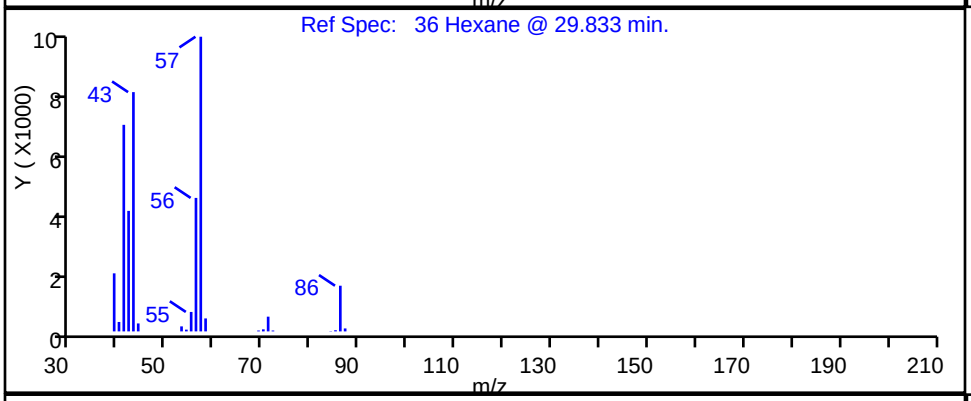
36 Hexane, CAS: 110-54-3

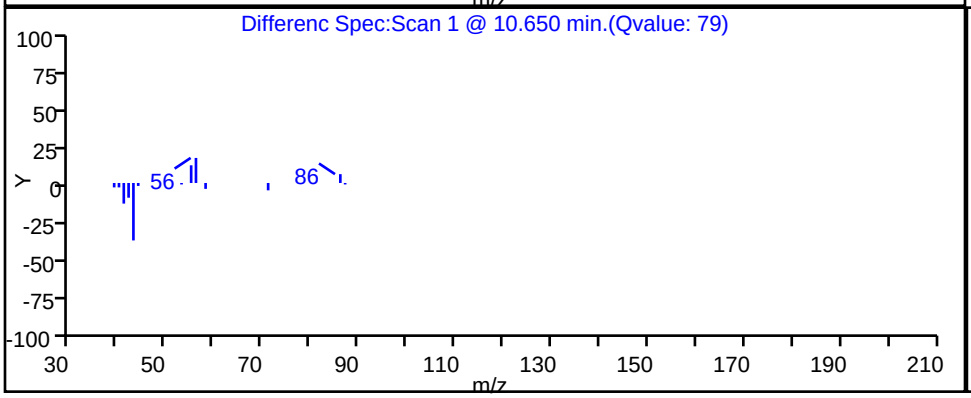


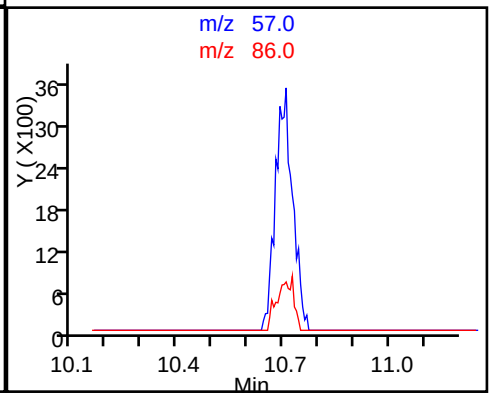












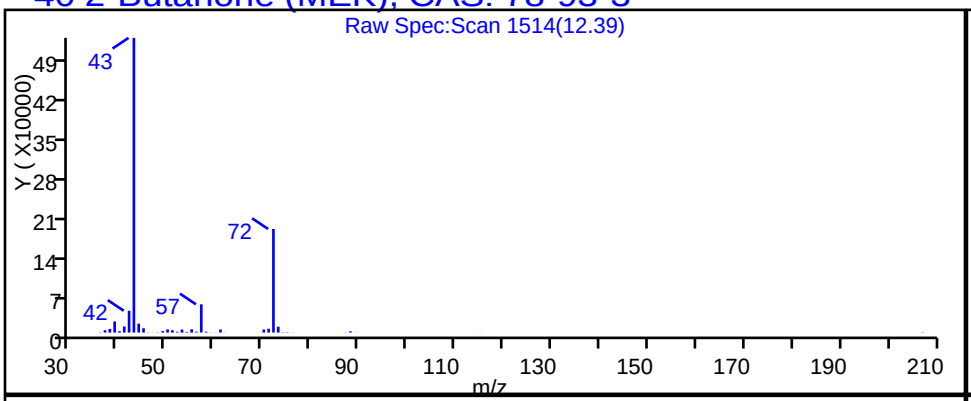
Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

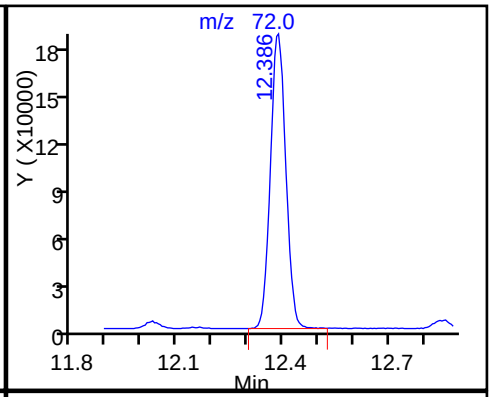
TestAmerica Burlington

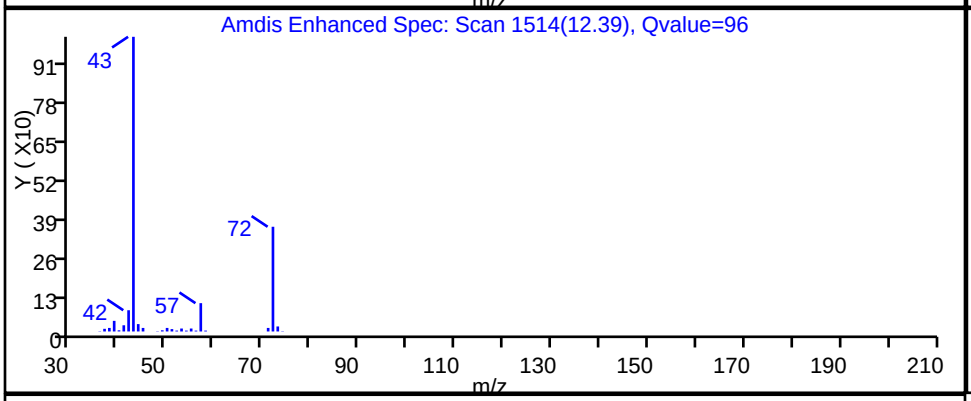
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

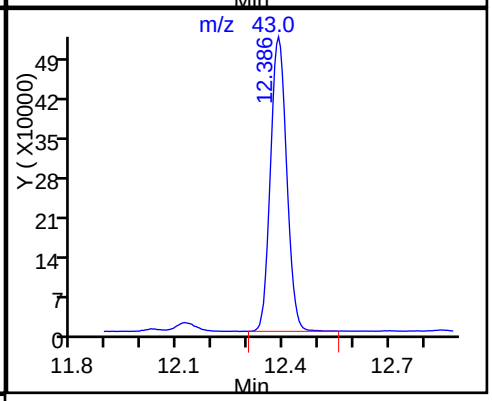
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

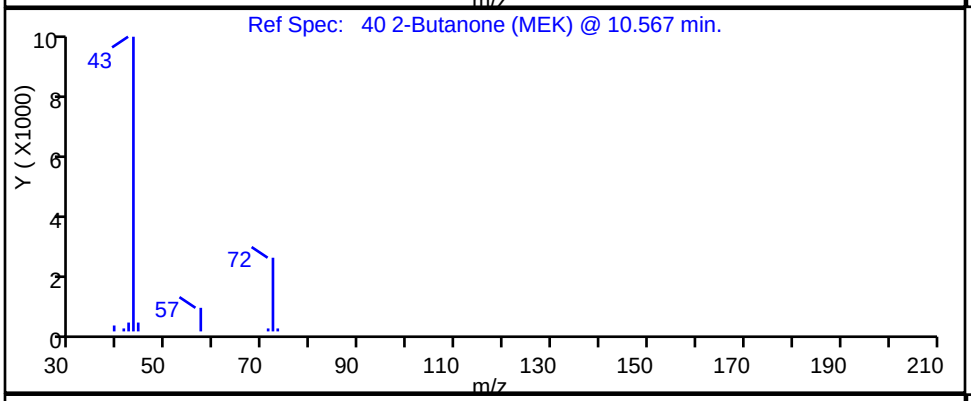
40 2-Butanone (MEK), CAS: 78-93-3

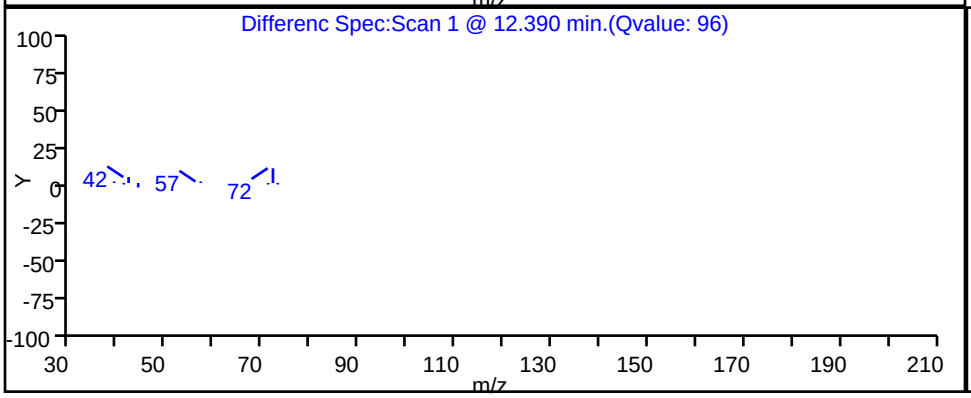


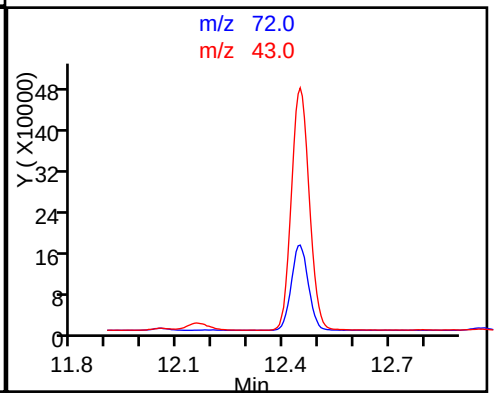












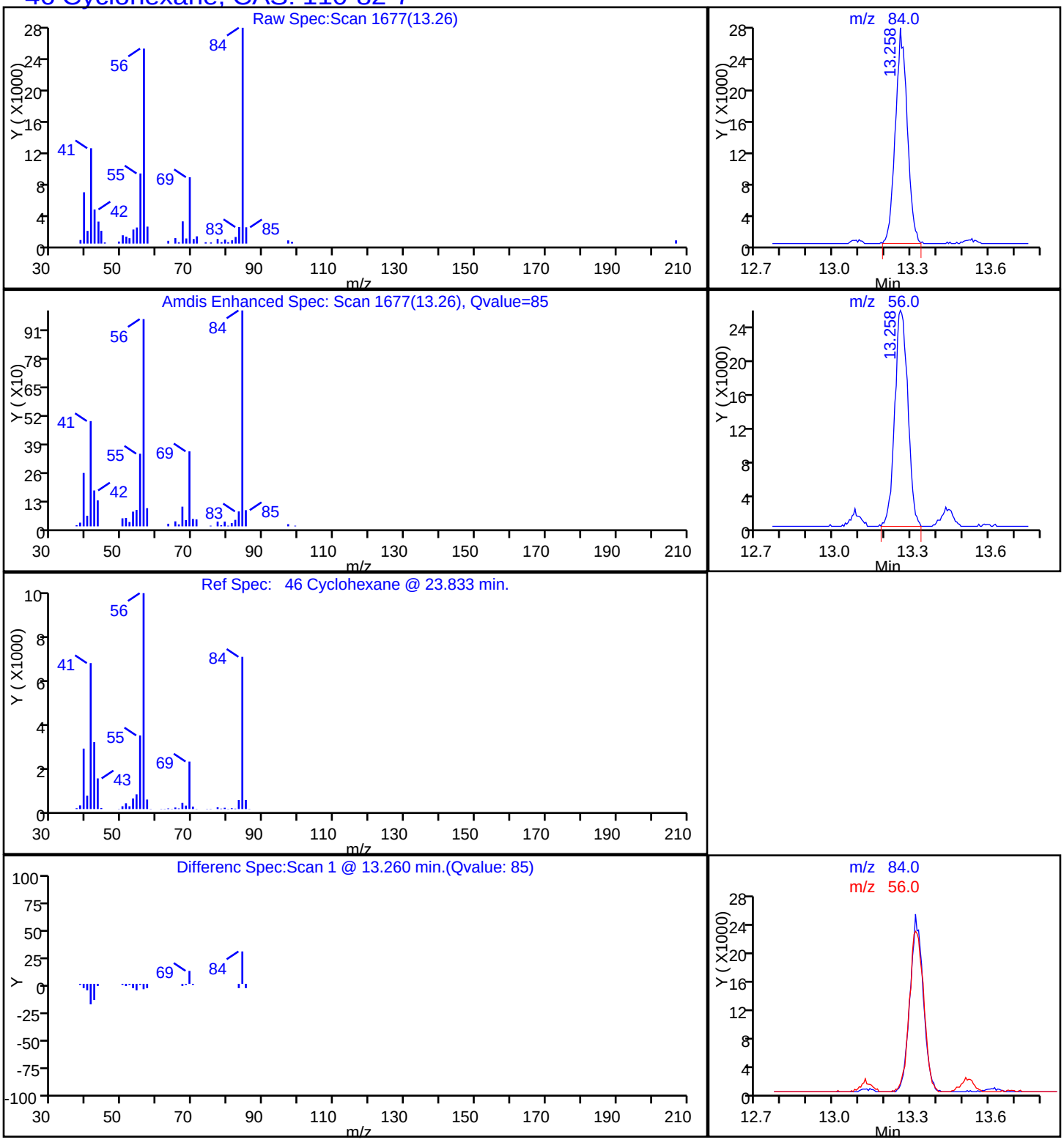
Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

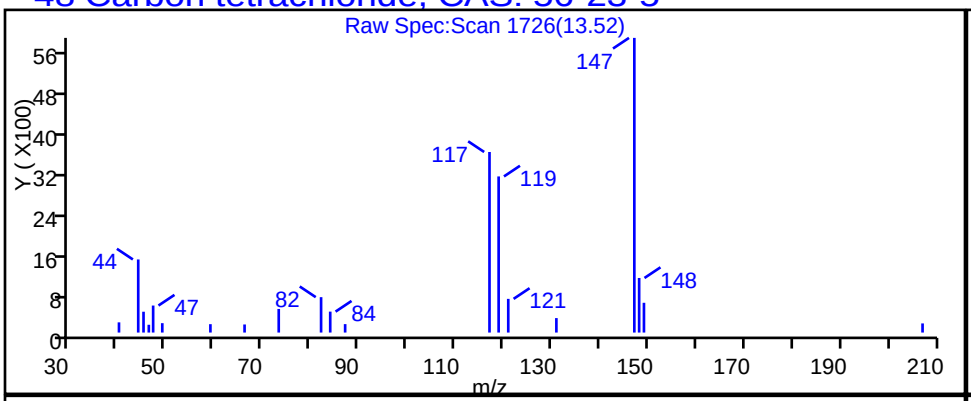


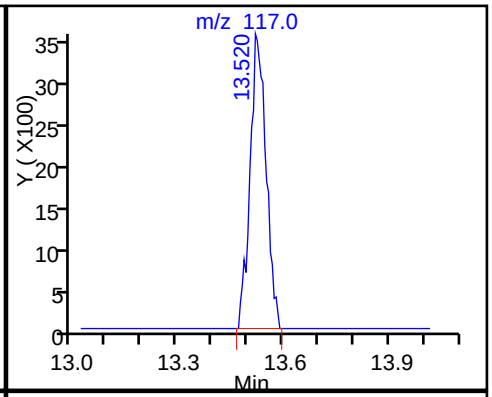
Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

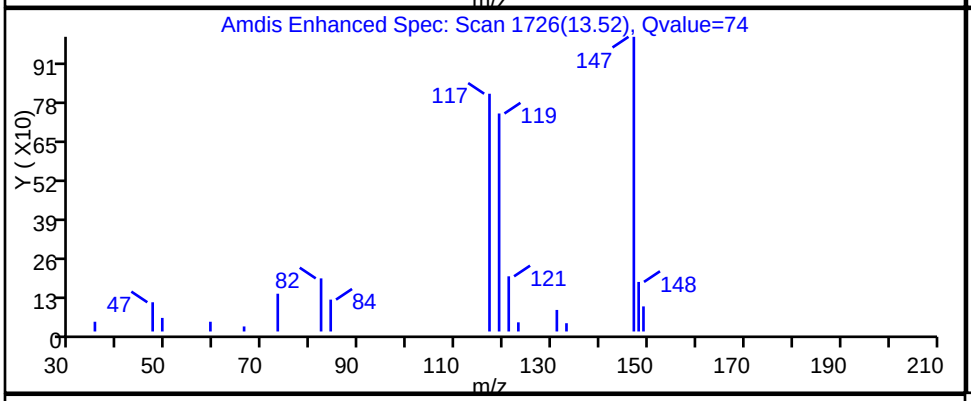
TestAmerica Burlington

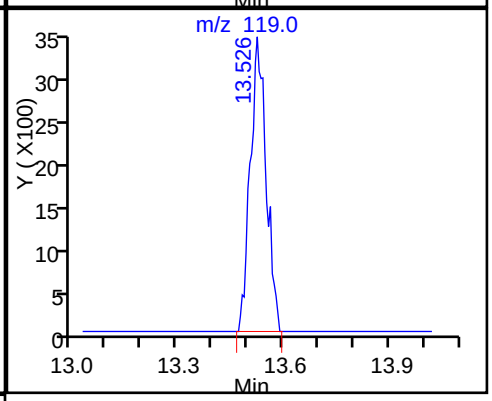
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

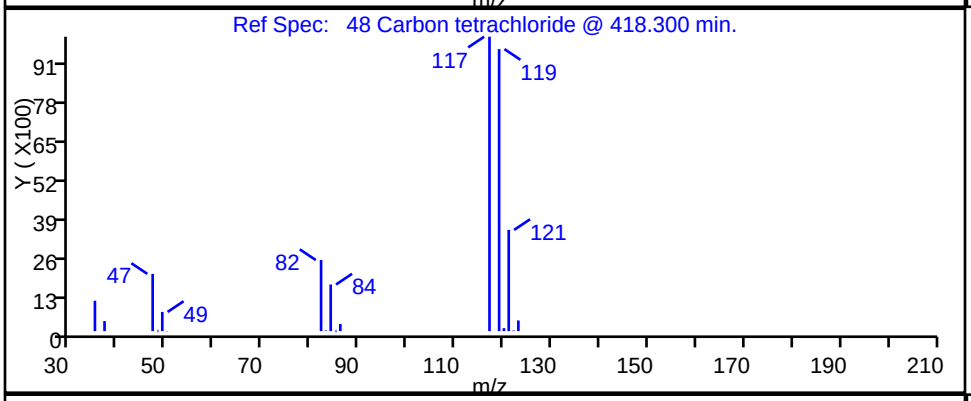
48 Carbon tetrachloride, CAS: 56-23-5

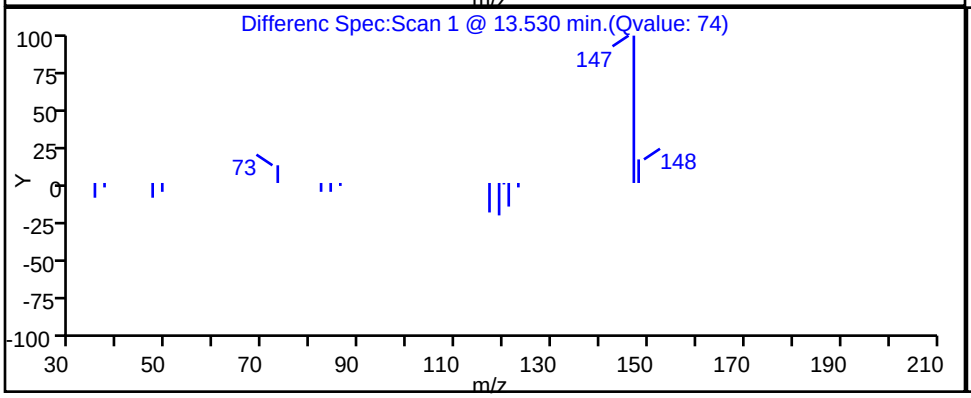


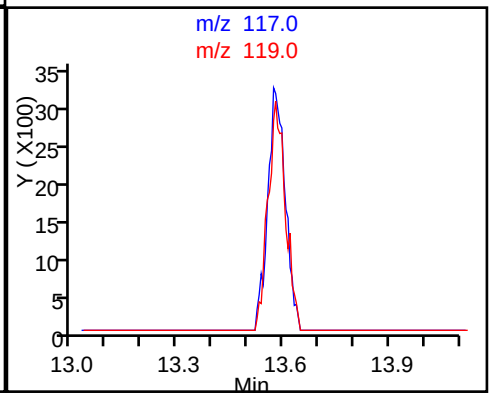










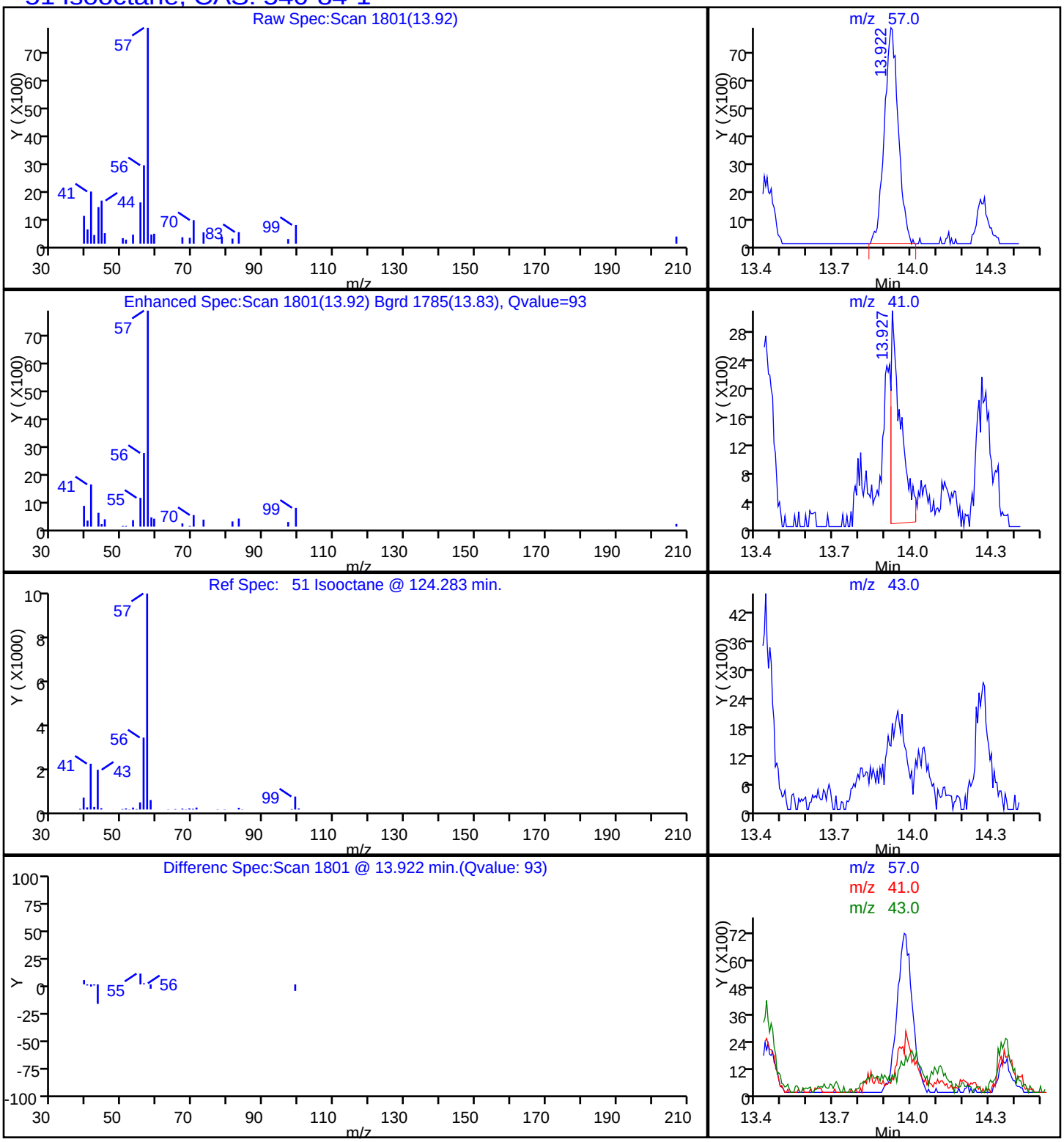


Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1



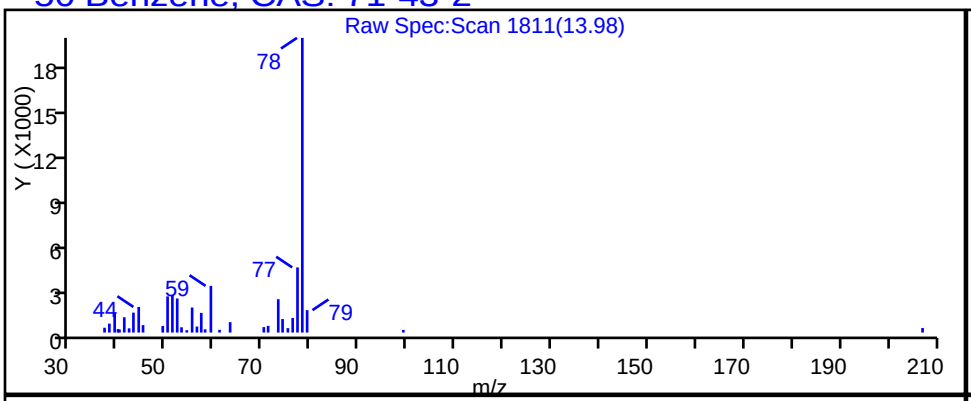
Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

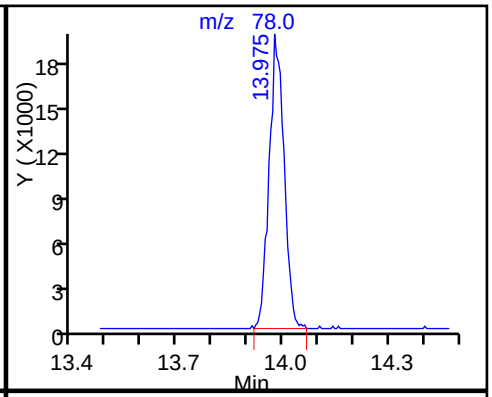
TestAmerica Burlington

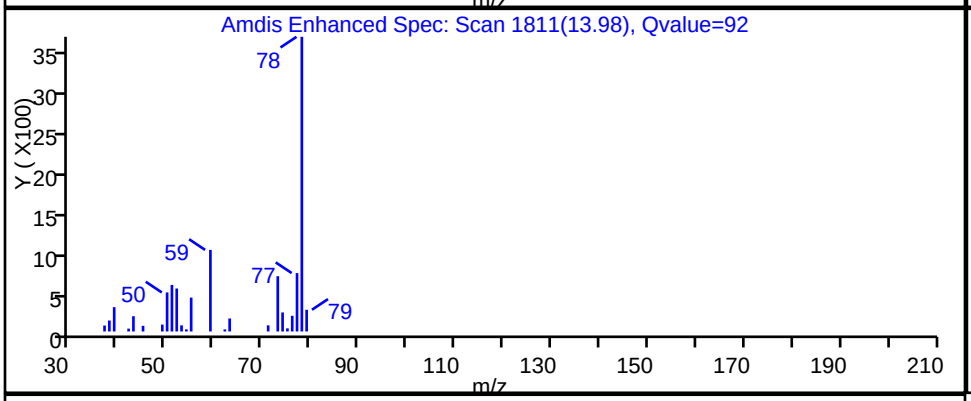
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

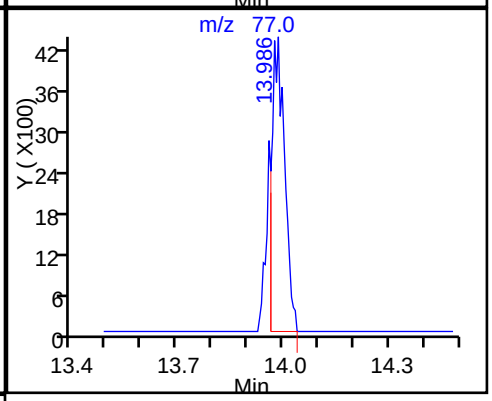
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

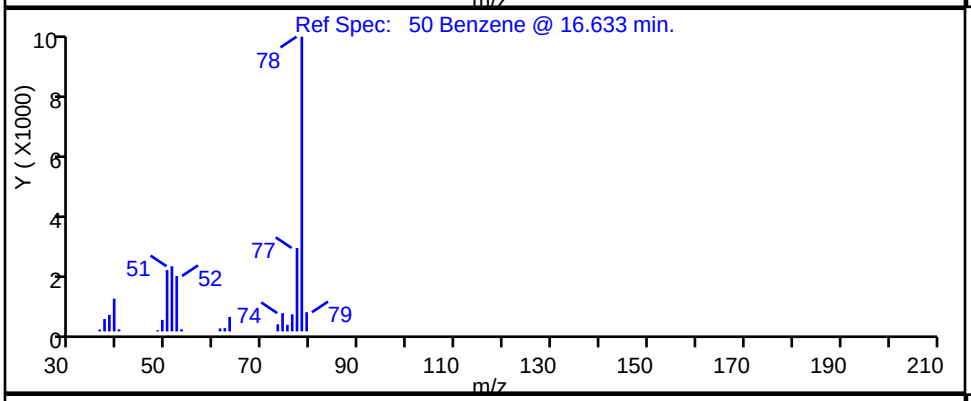
50 Benzene, CAS: 71-43-2

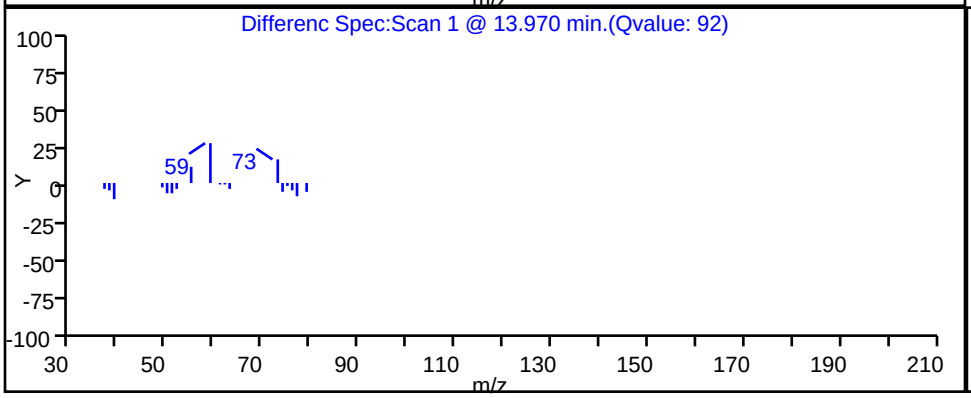


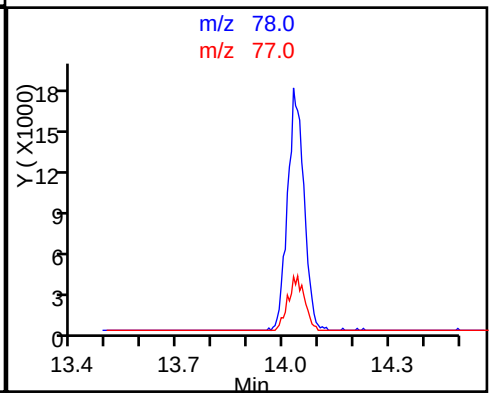












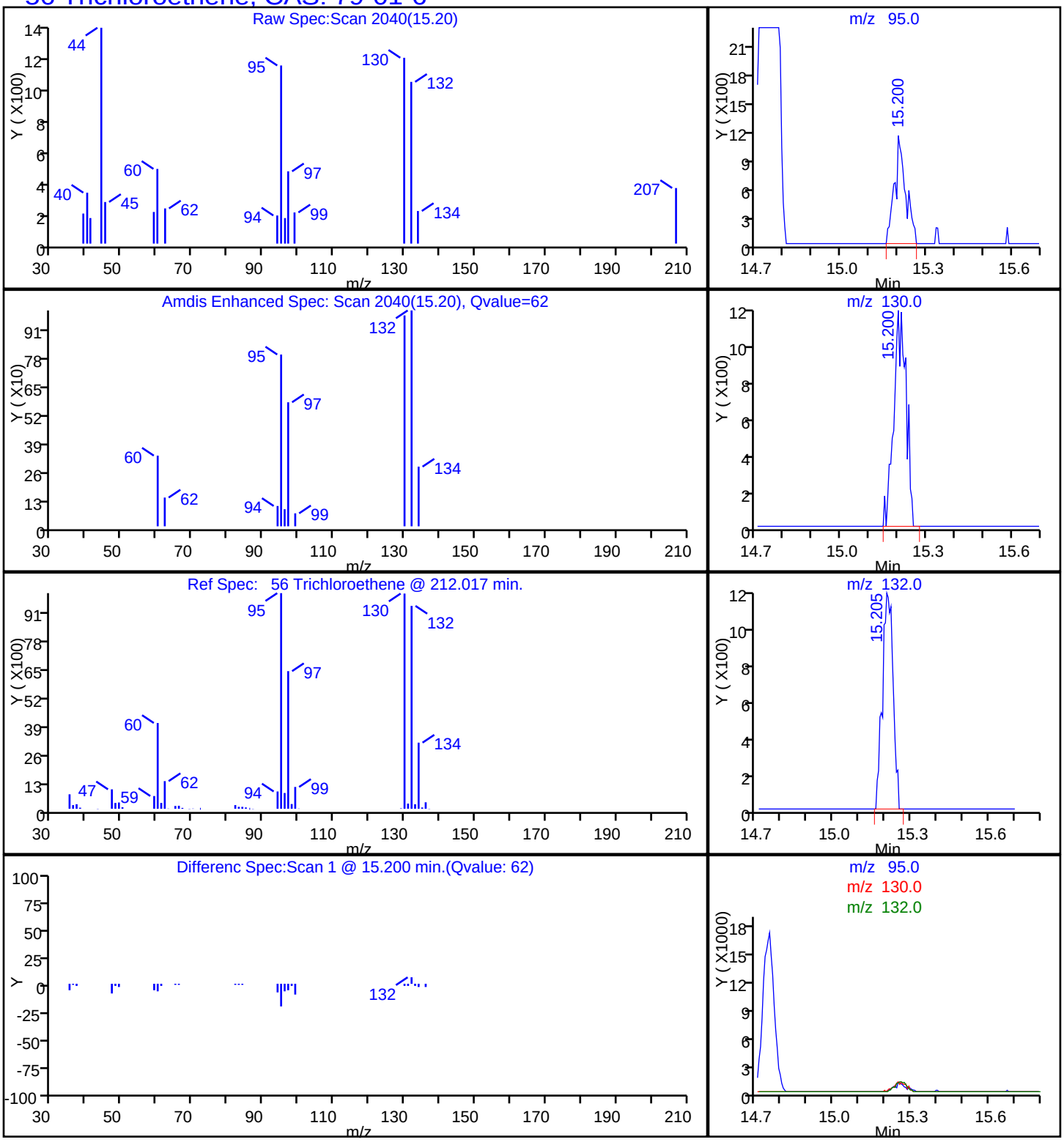
Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

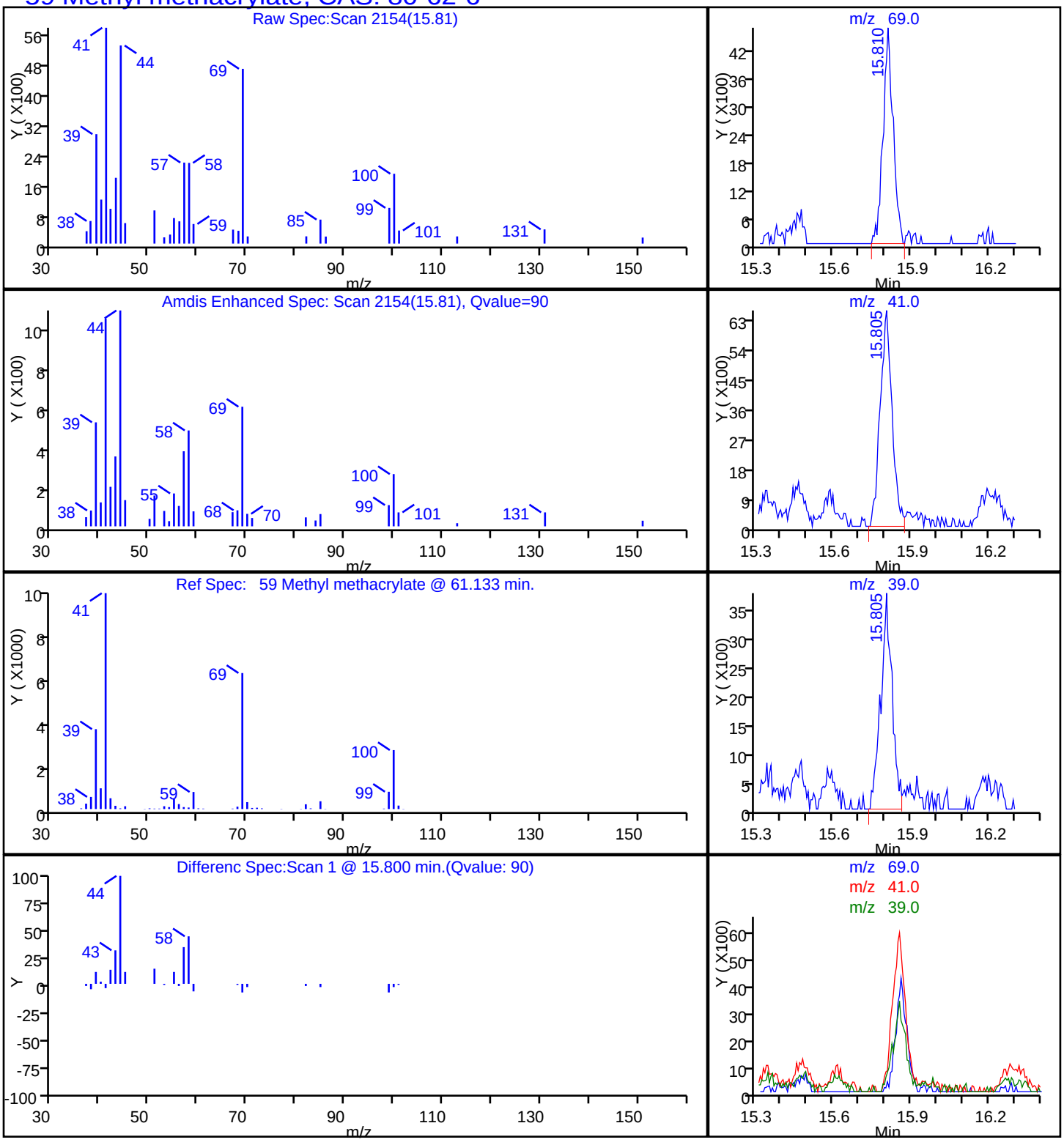


Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

59 Methyl methacrylate, CAS: 80-62-6

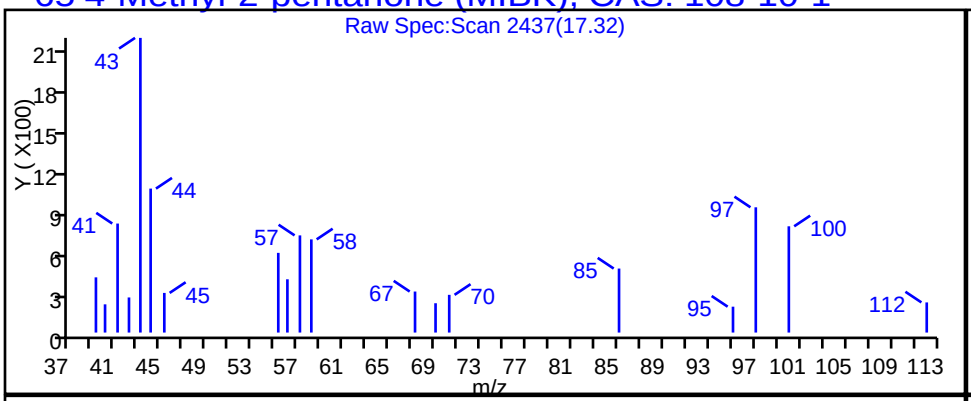


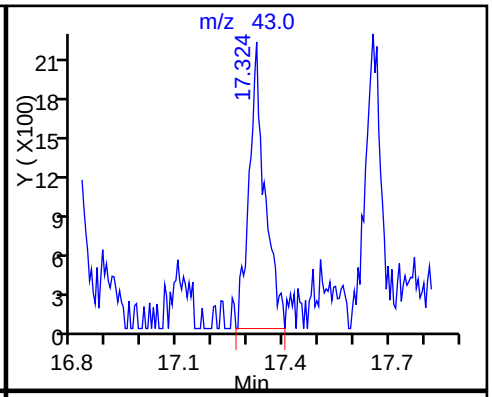
Report Date: 25-Feb-2014 09:48:26 Chrom Revision: 2.2 06-Feb-2014 15:19:06

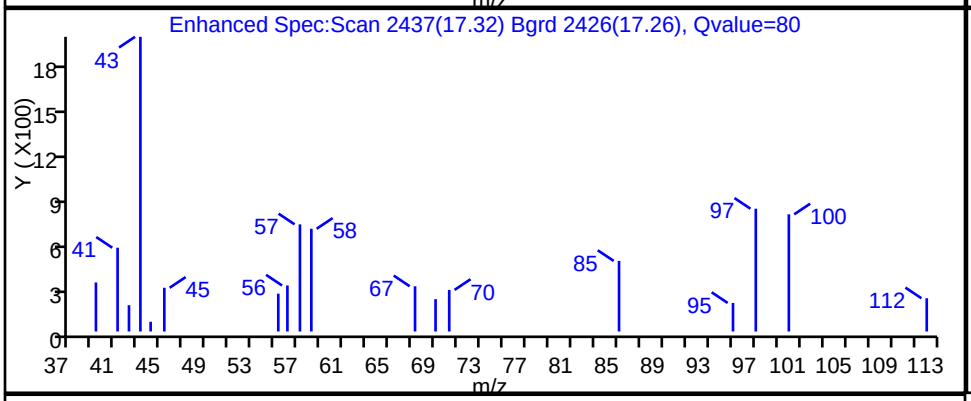
TestAmerica Burlington

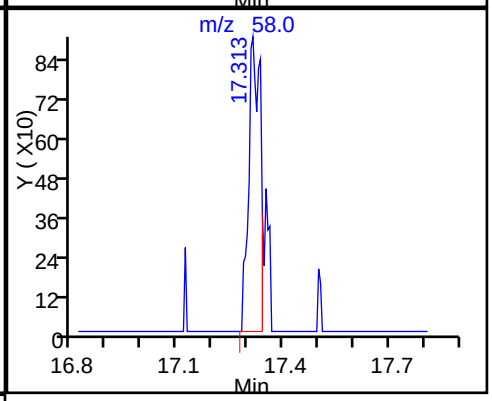
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

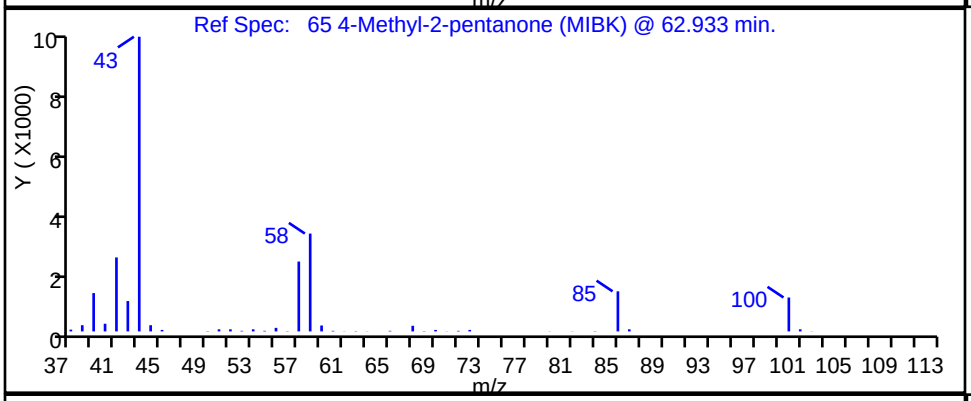
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

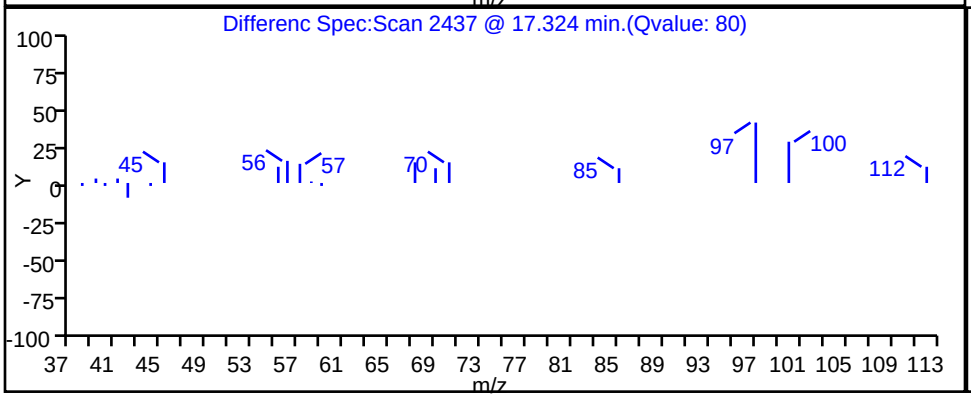


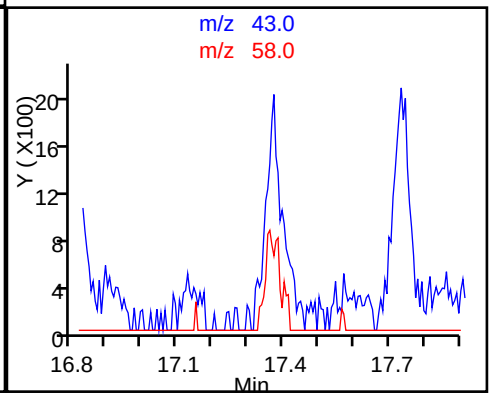












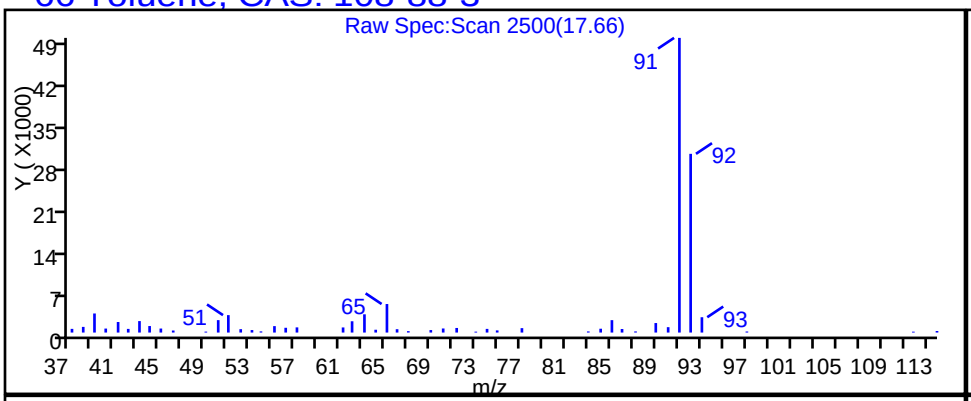
Report Date: 25-Feb-2014 09:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

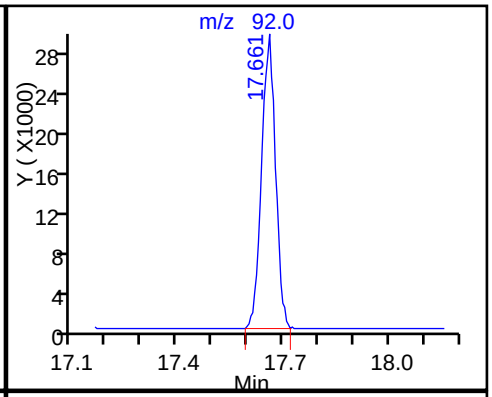
TestAmerica Burlington

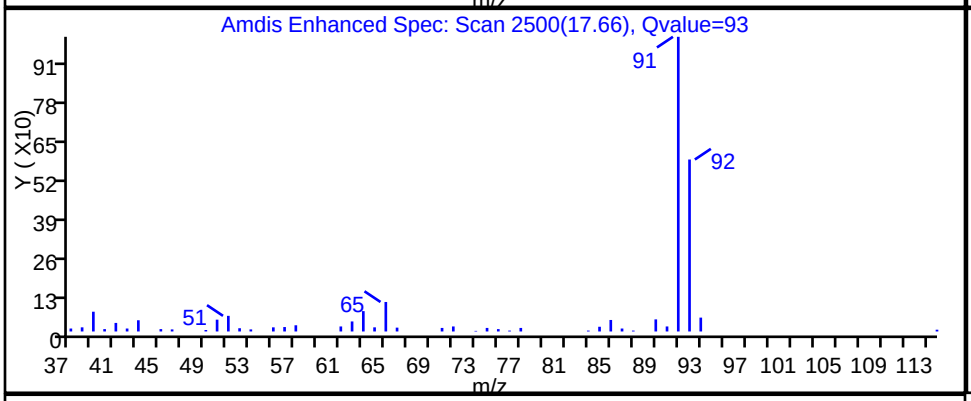
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

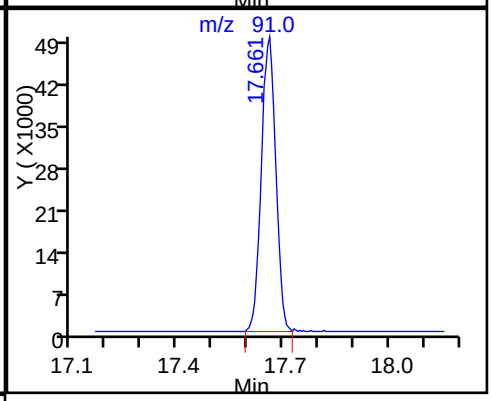
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

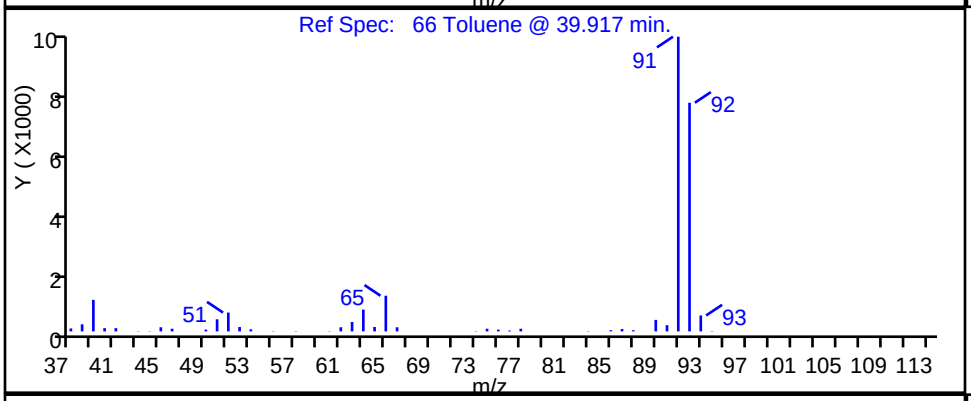
66 Toluene, CAS: 108-88-3

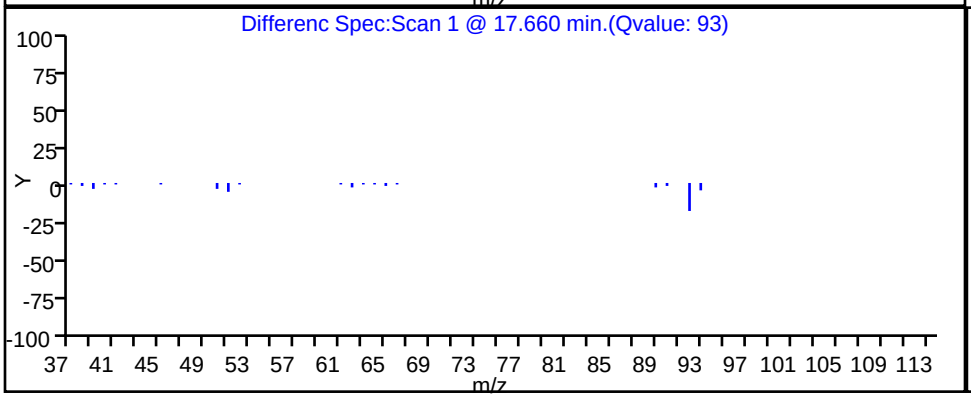


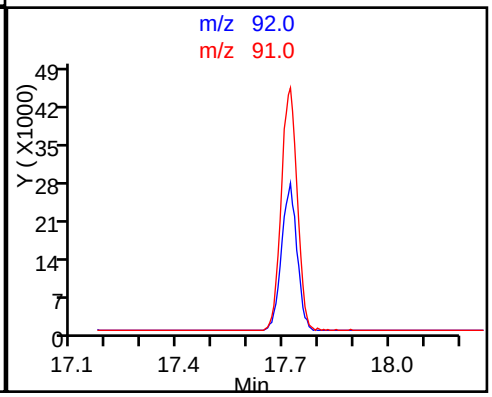












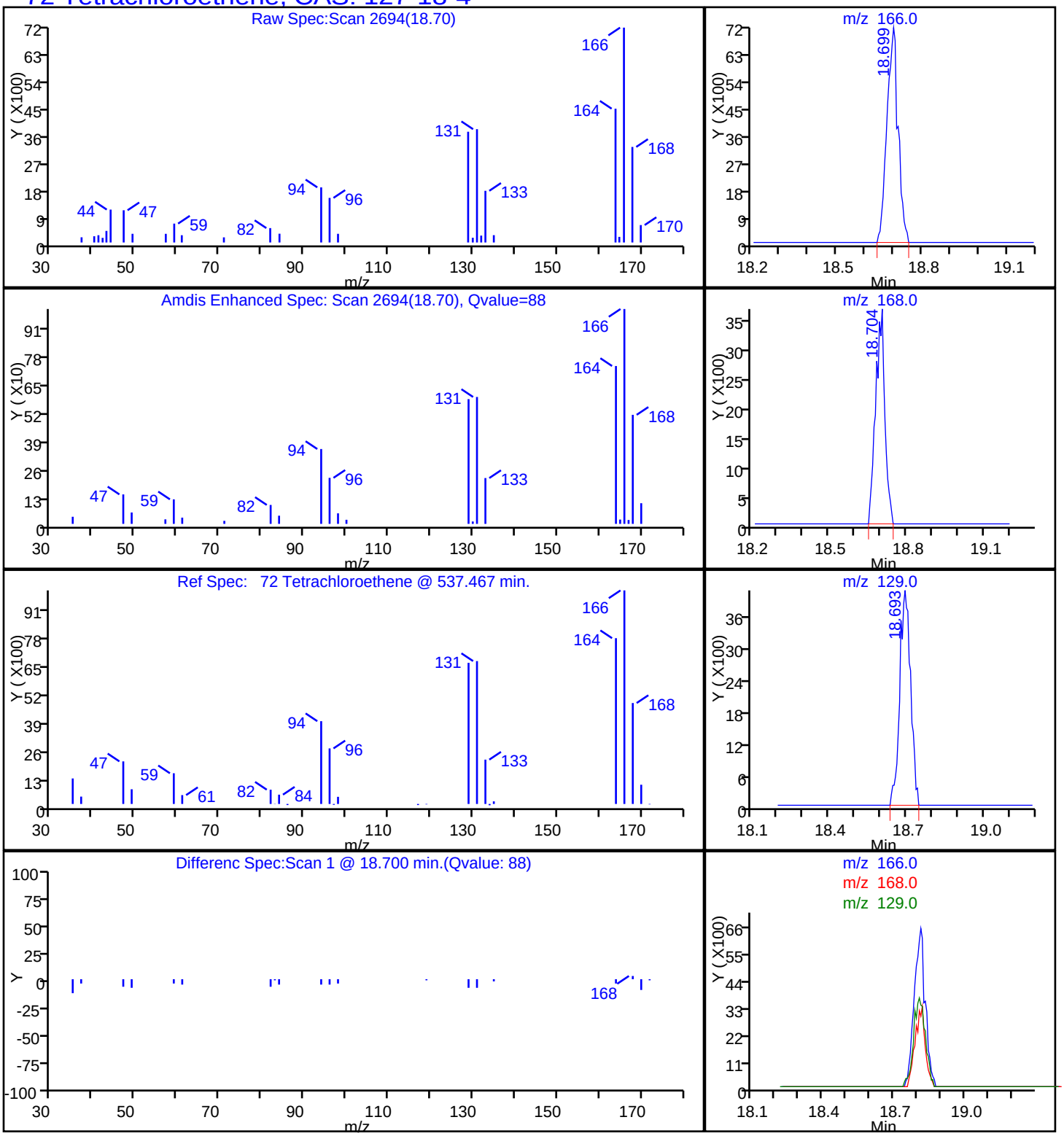
Report Date: 25-Feb-2014 09:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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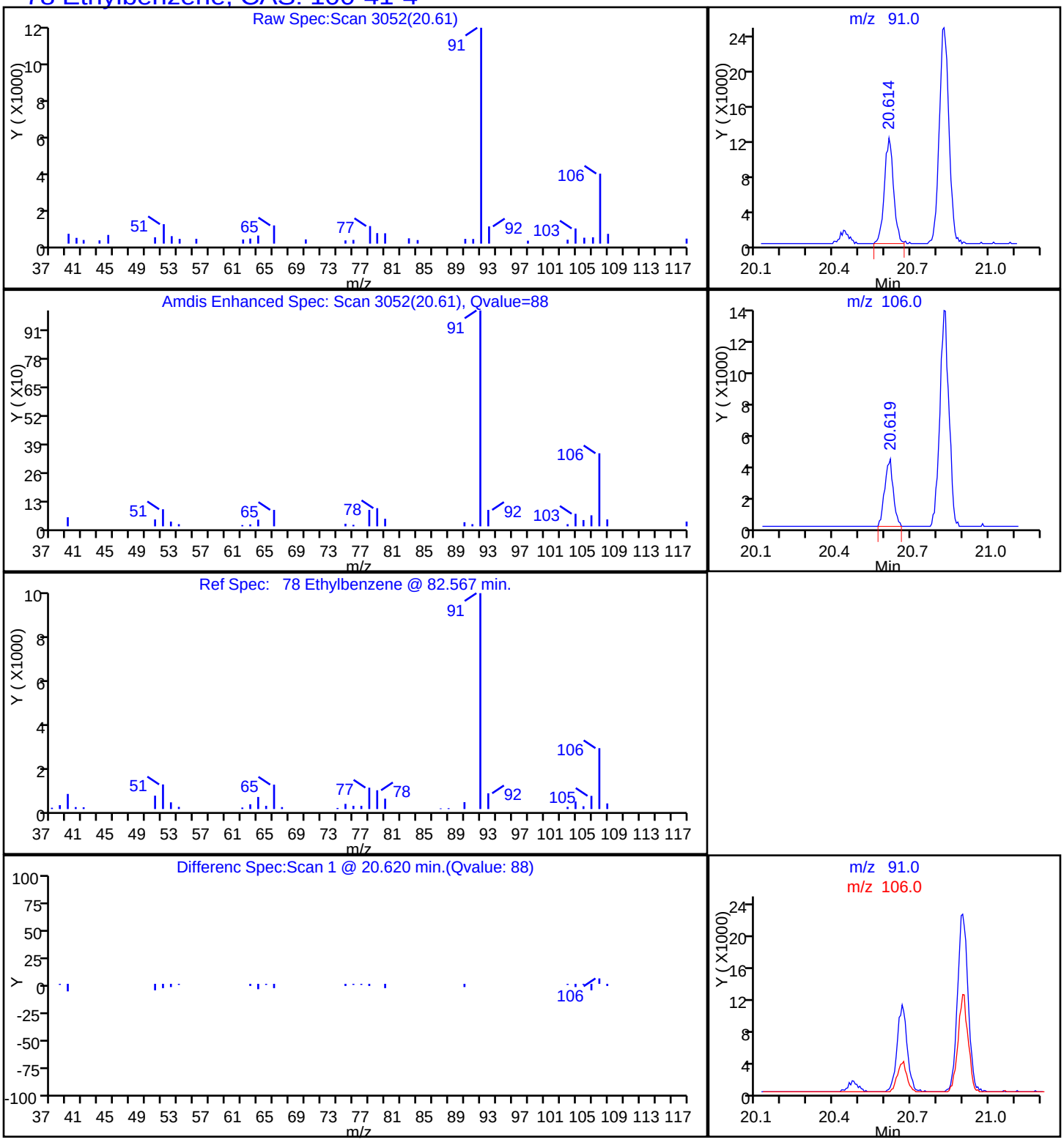
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4



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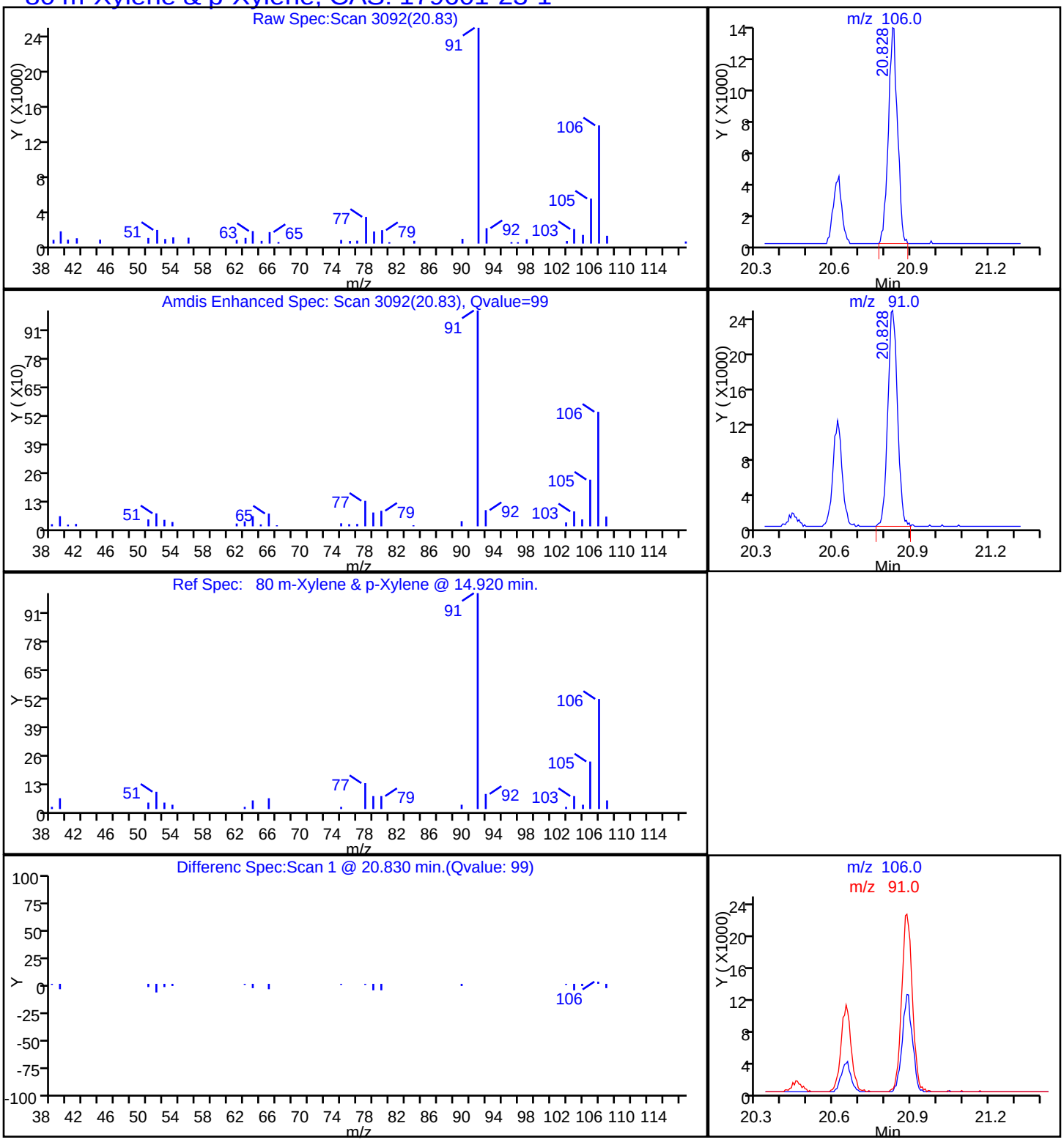
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



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TestAmerica Burlington

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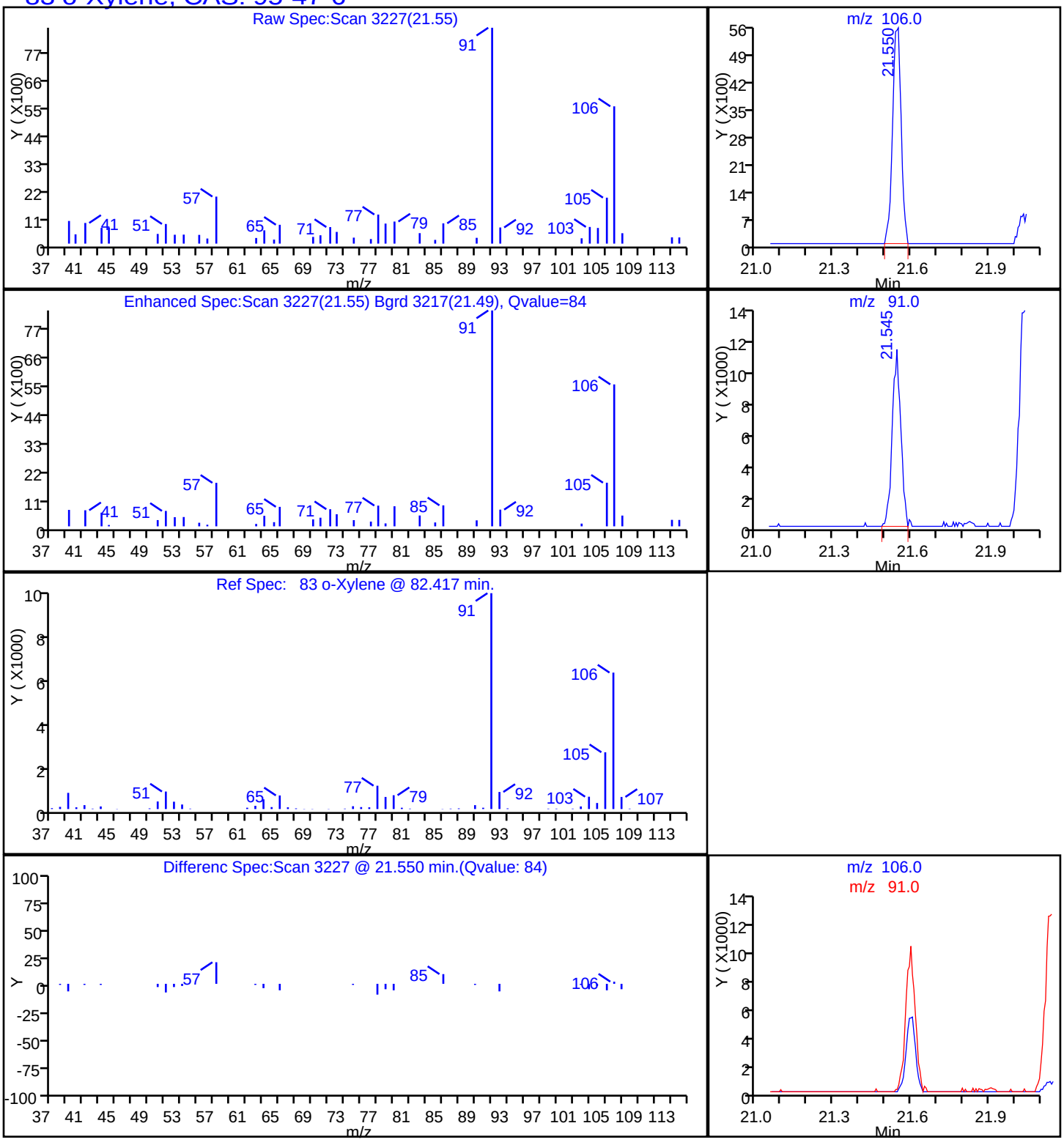
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



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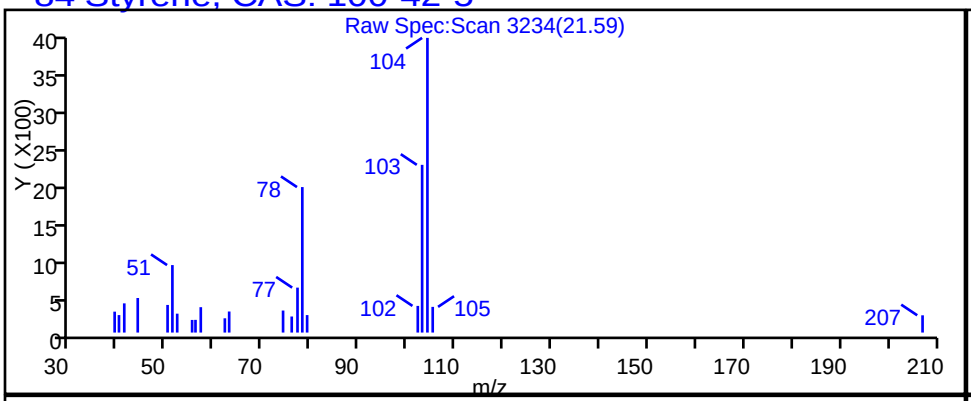
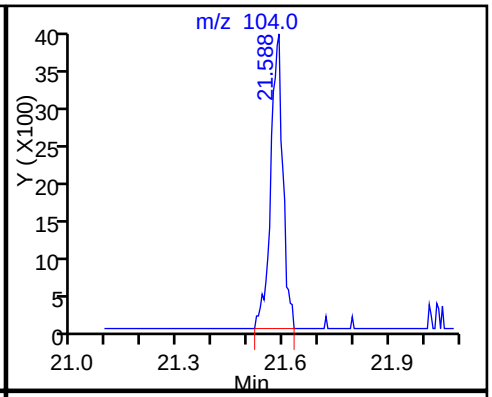
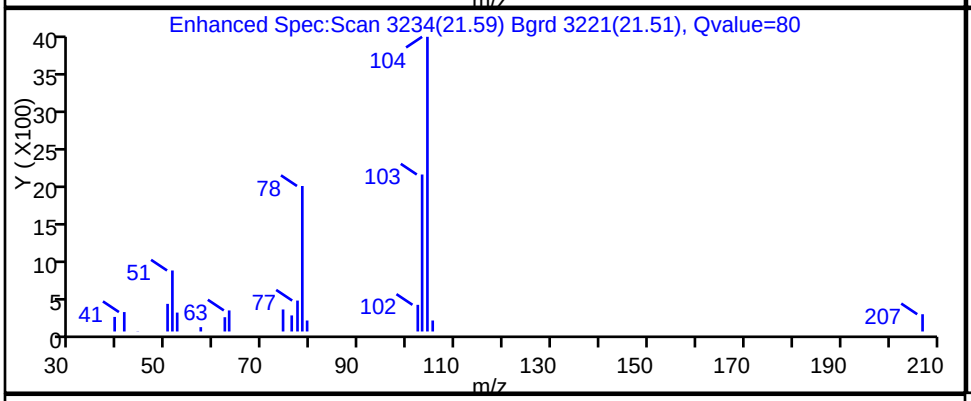
TestAmerica Burlington

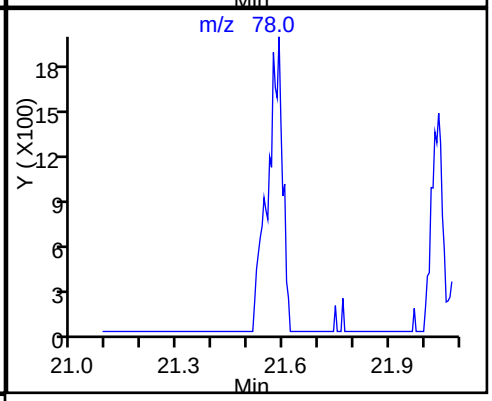
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

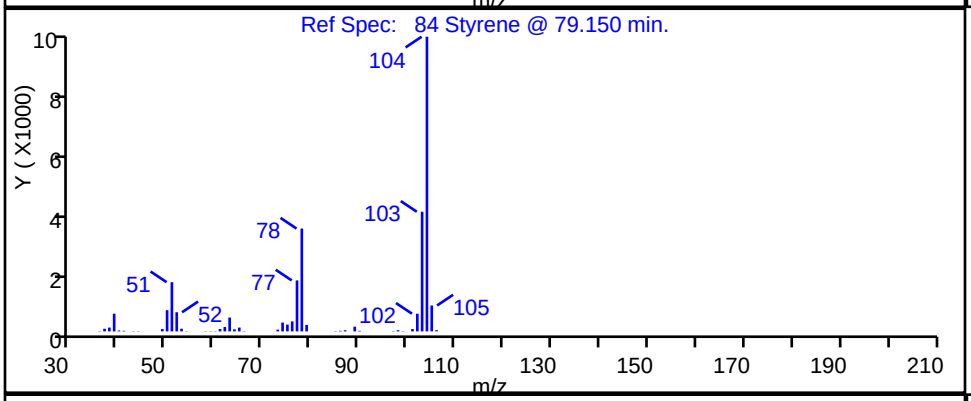
84 Styrene, CAS: 100-42-5

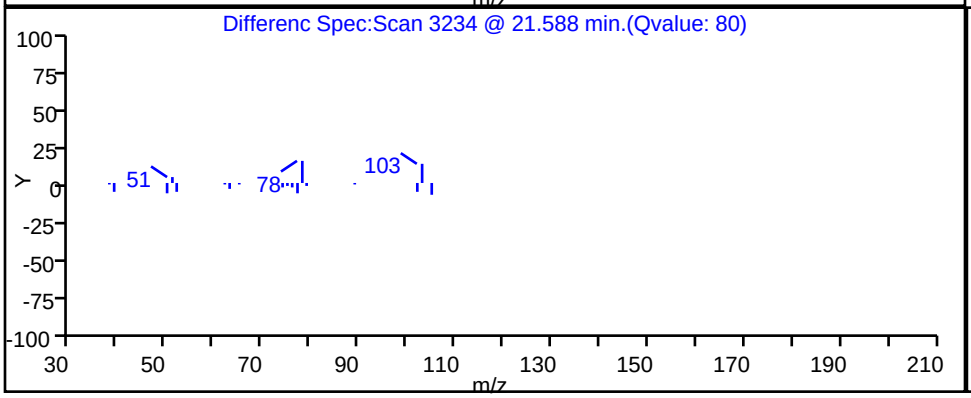


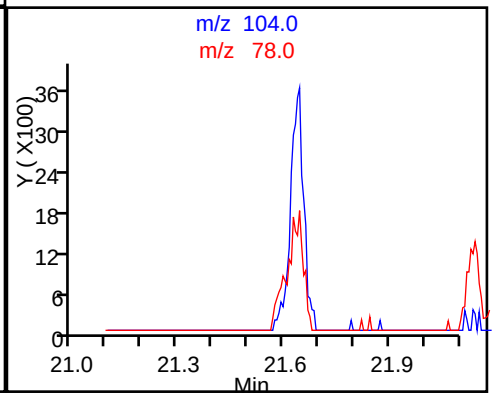












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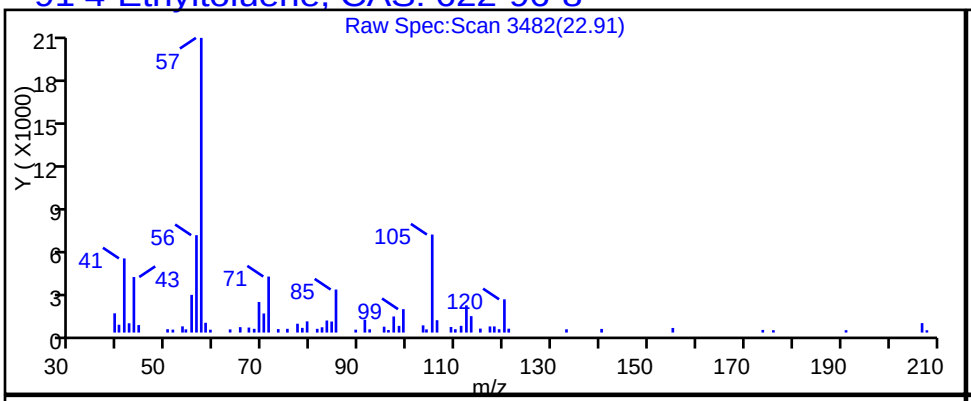
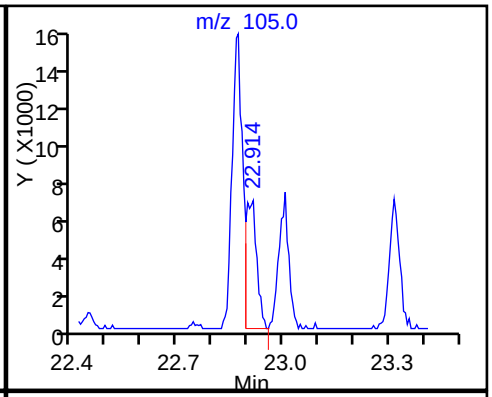
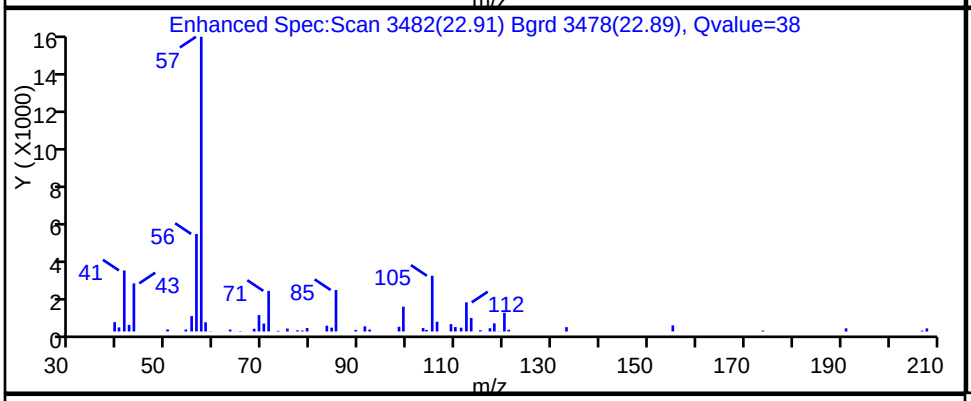
TestAmerica Burlington

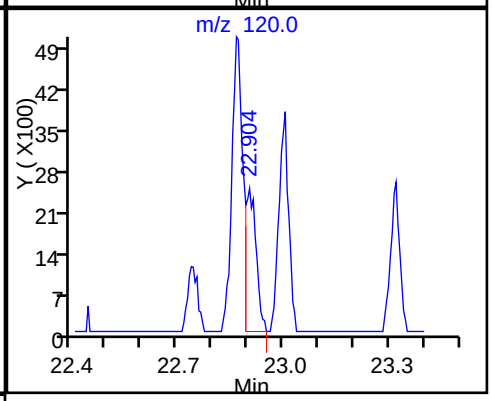
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

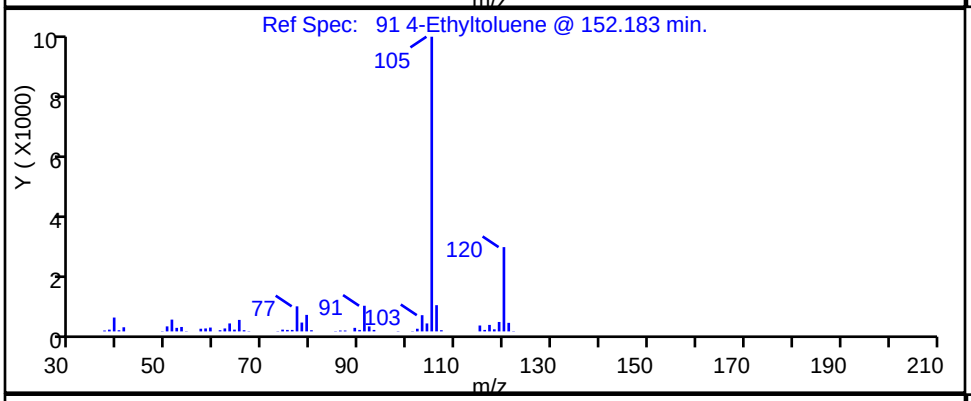
91 4-Ethyltoluene, CAS: 622-96-8

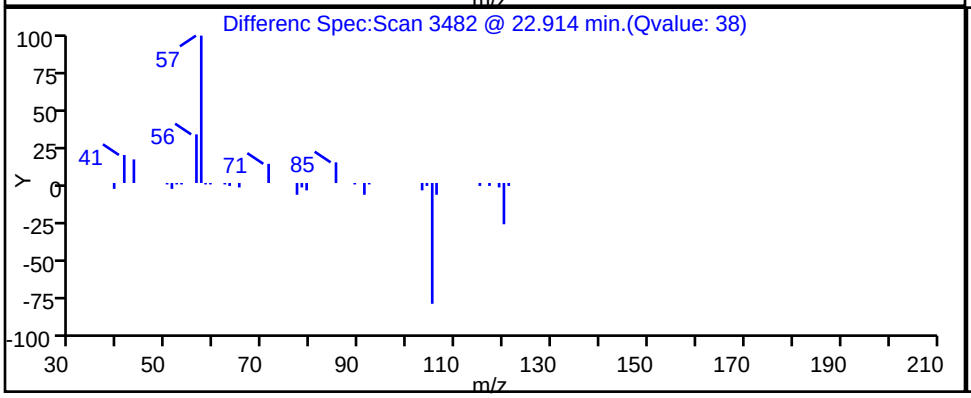


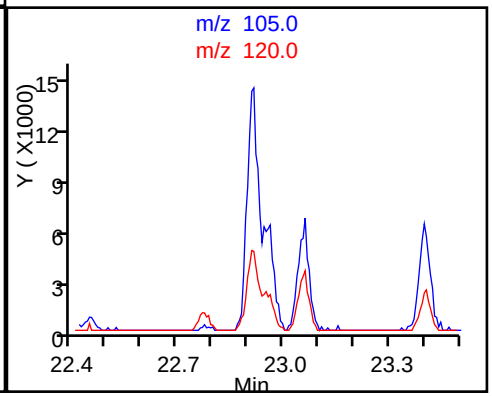












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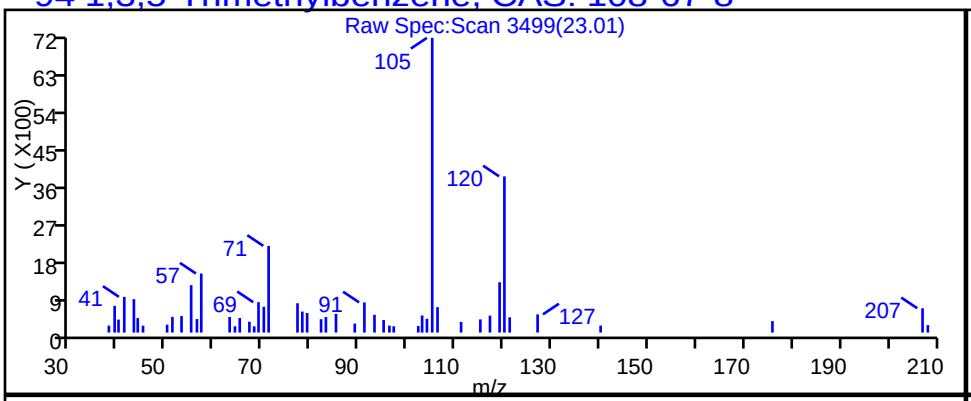
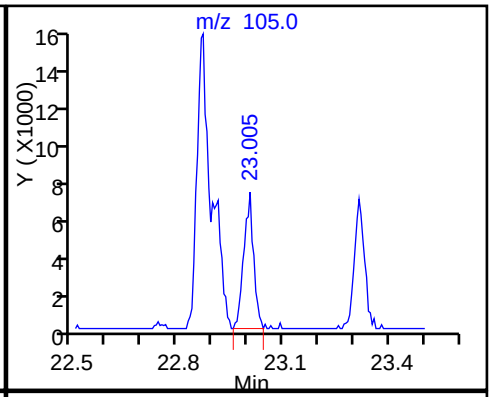
TestAmerica Burlington

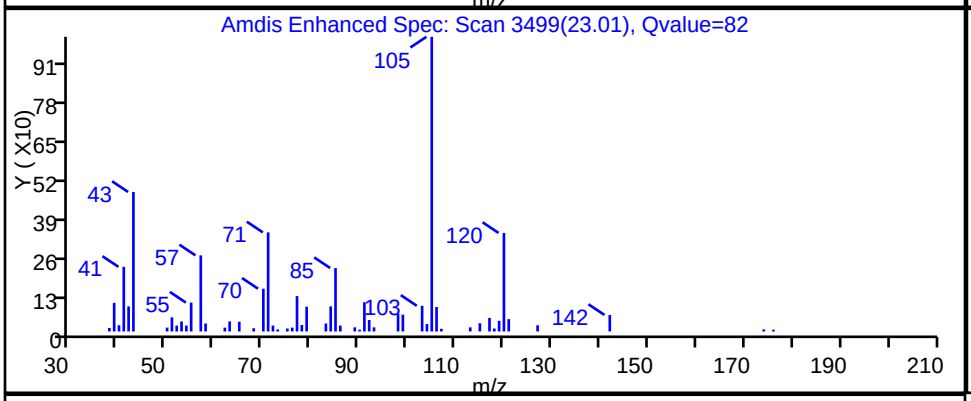
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

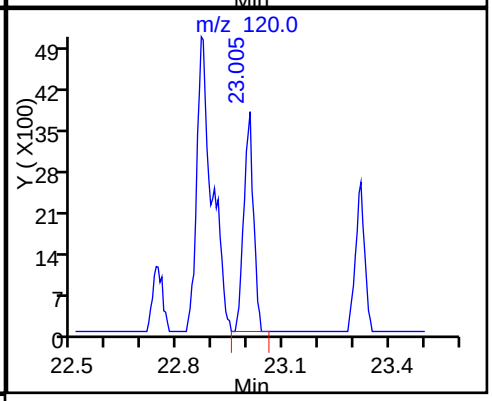
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

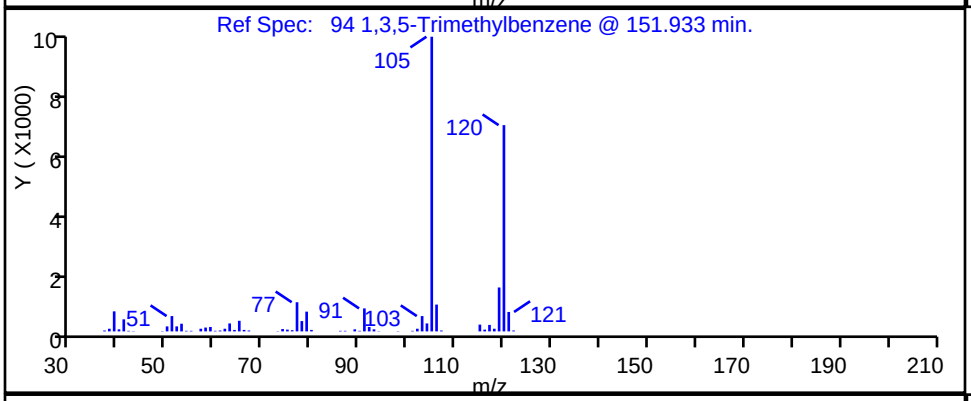
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

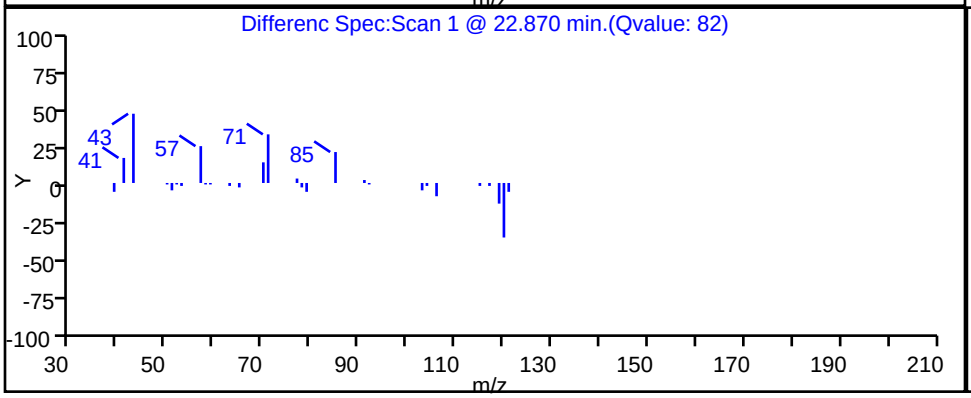


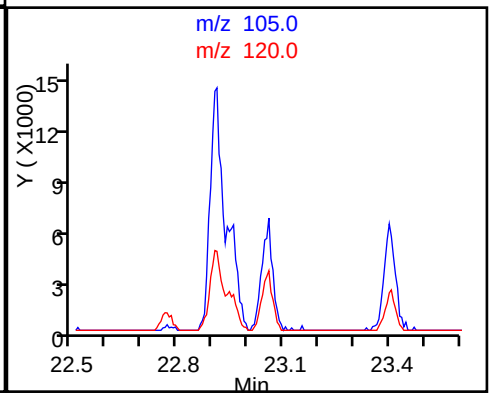












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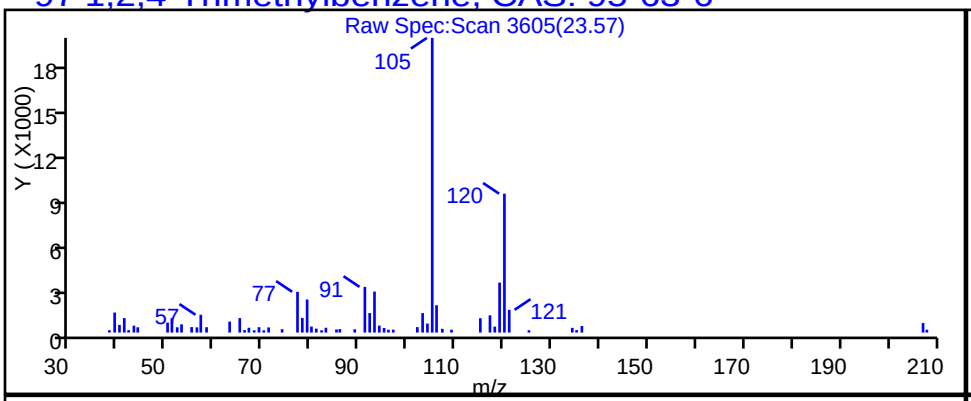
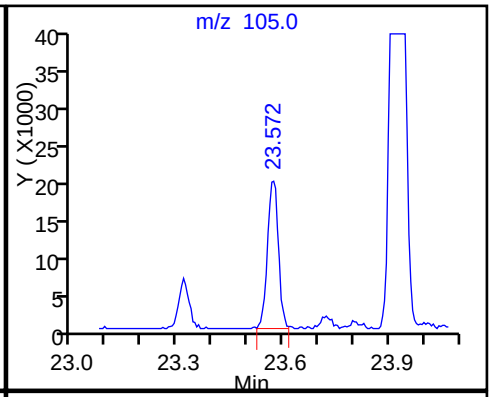
TestAmerica Burlington

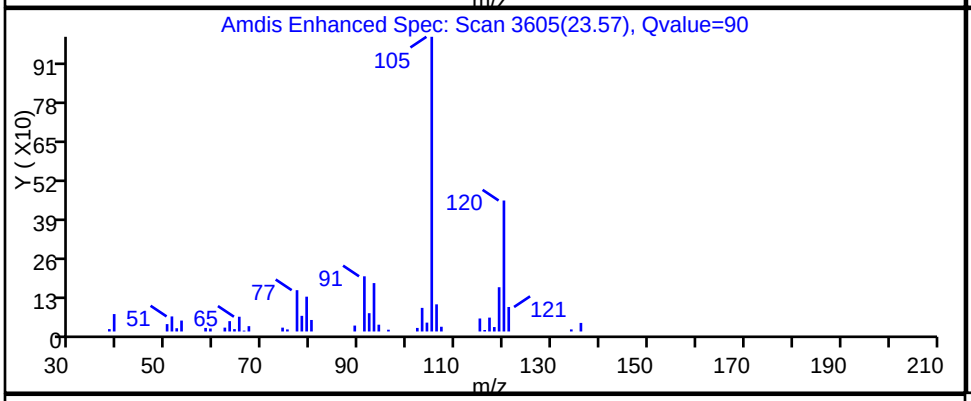
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

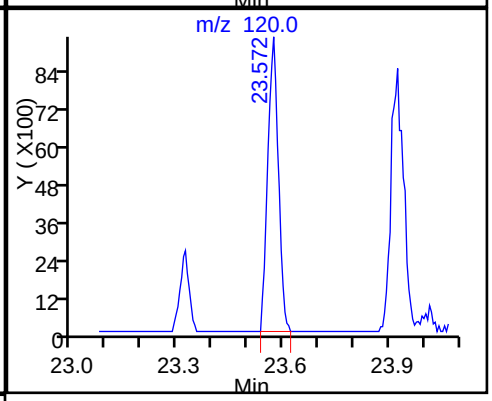
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

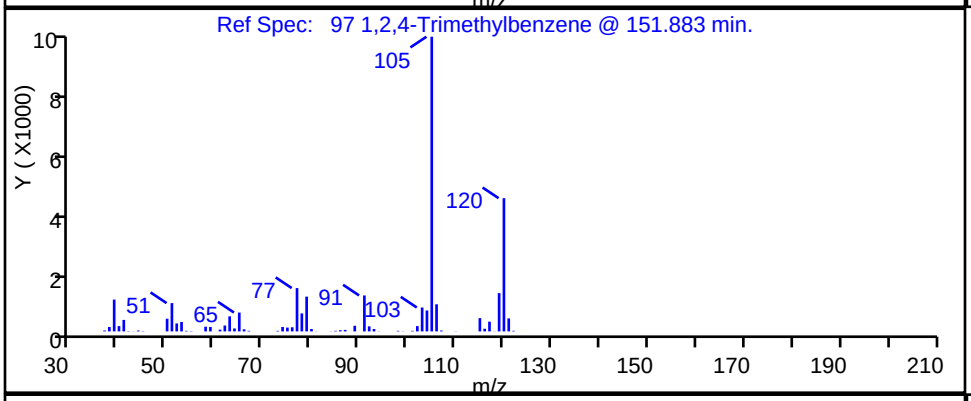
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

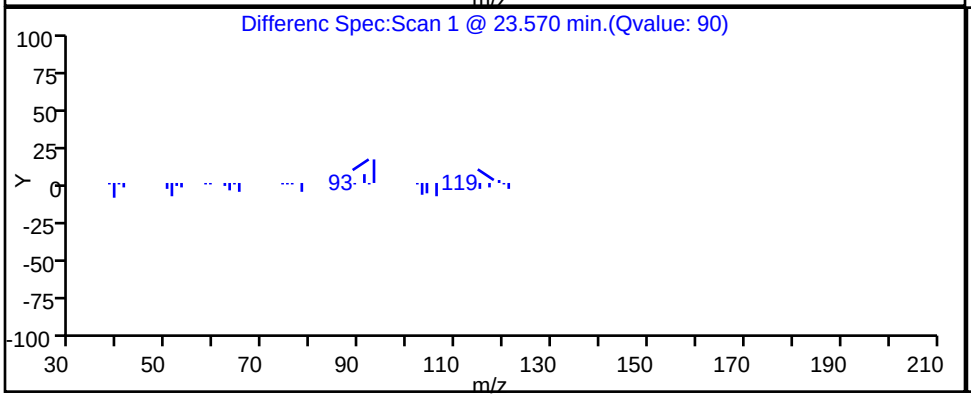


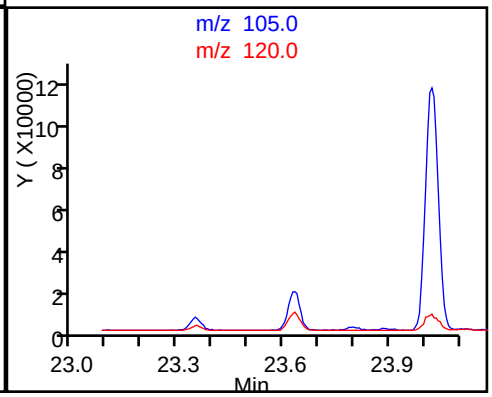












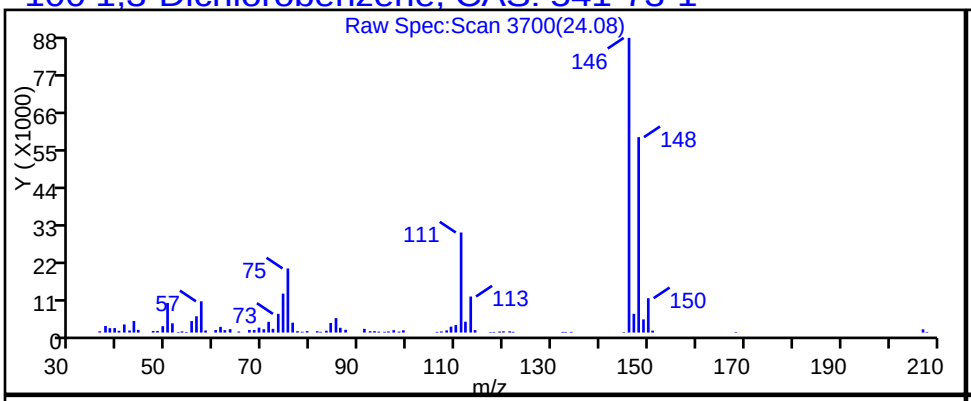
Report Date: 25-Feb-2014 09:48:27 Chrom Revision: 2.2 06-Feb-2014 15:19:06

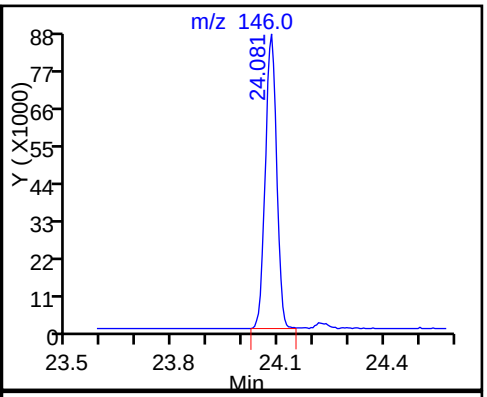
TestAmerica Burlington

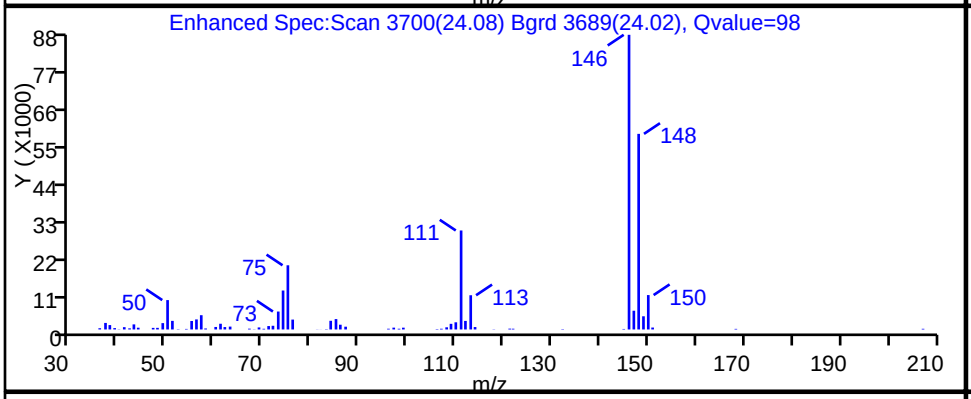
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d

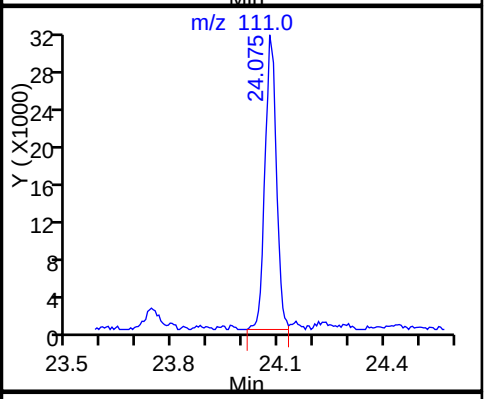
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

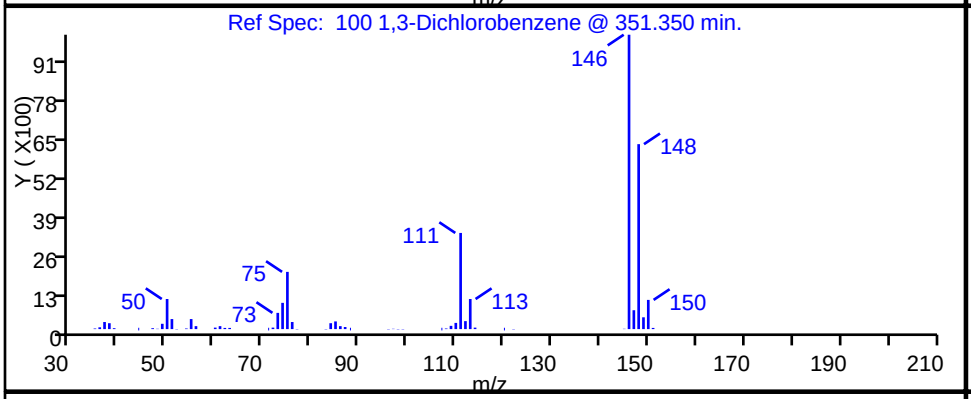
100 1,3-Dichlorobenzene, CAS: 541-73-1

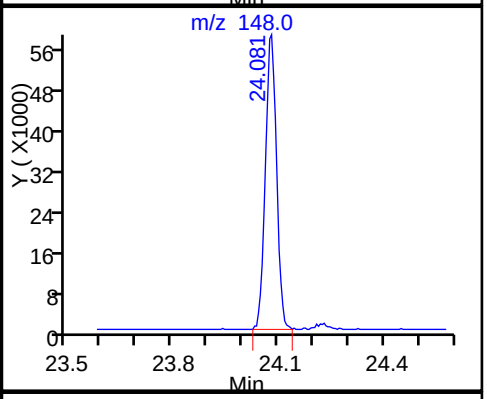


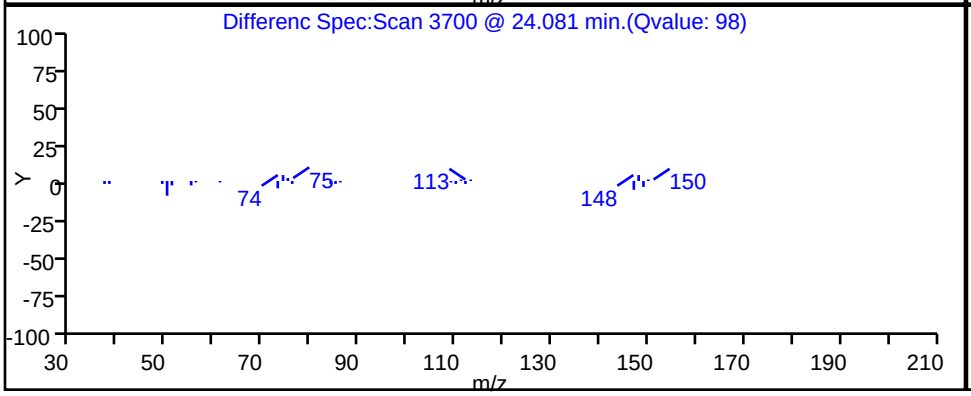


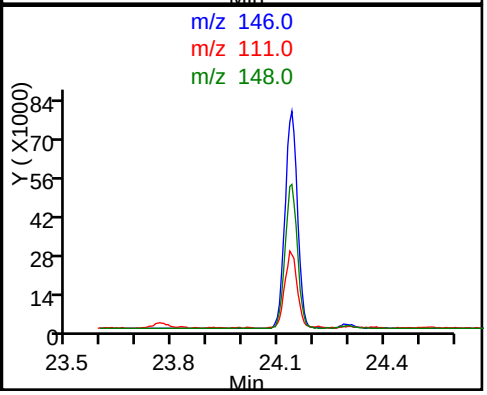












Manual Integration/User Assign Peak Report

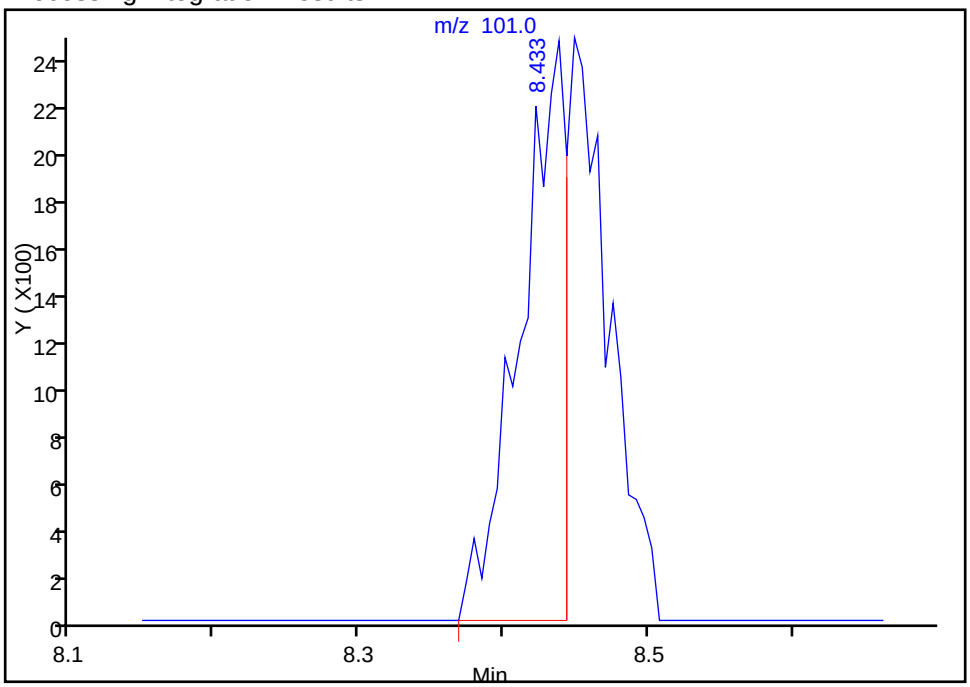
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

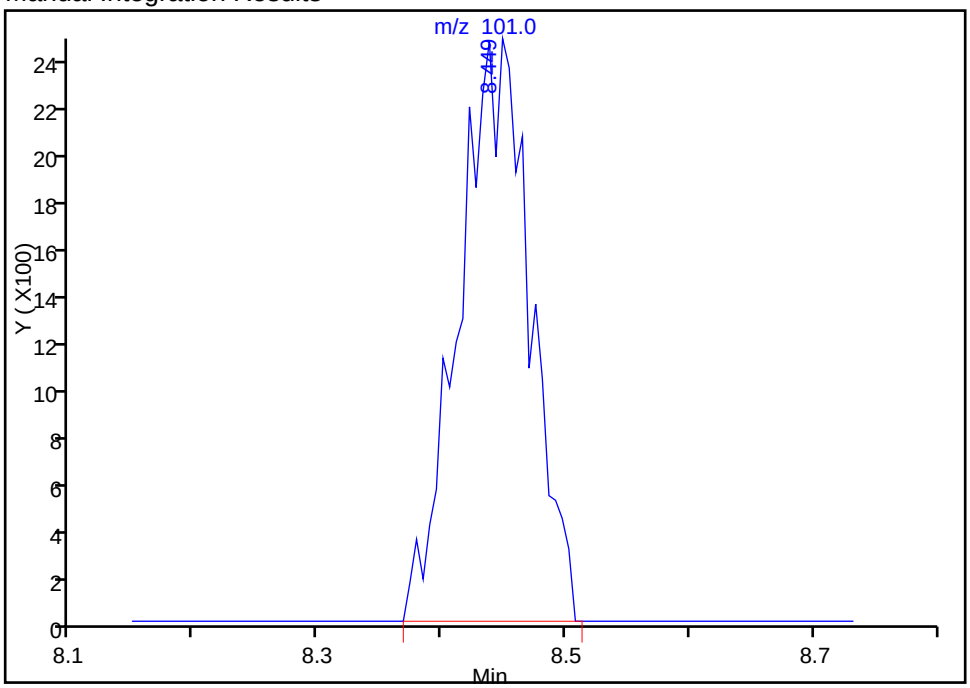
Processing Integration Results

RT: 8.43
Response: 5474
Amount: 0.045642



Manual Integration Results

RT: 8.45
Response: 10010
Amount: 0.083463



Reviewer: lyonsb, 25-Feb-2014 09:15:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

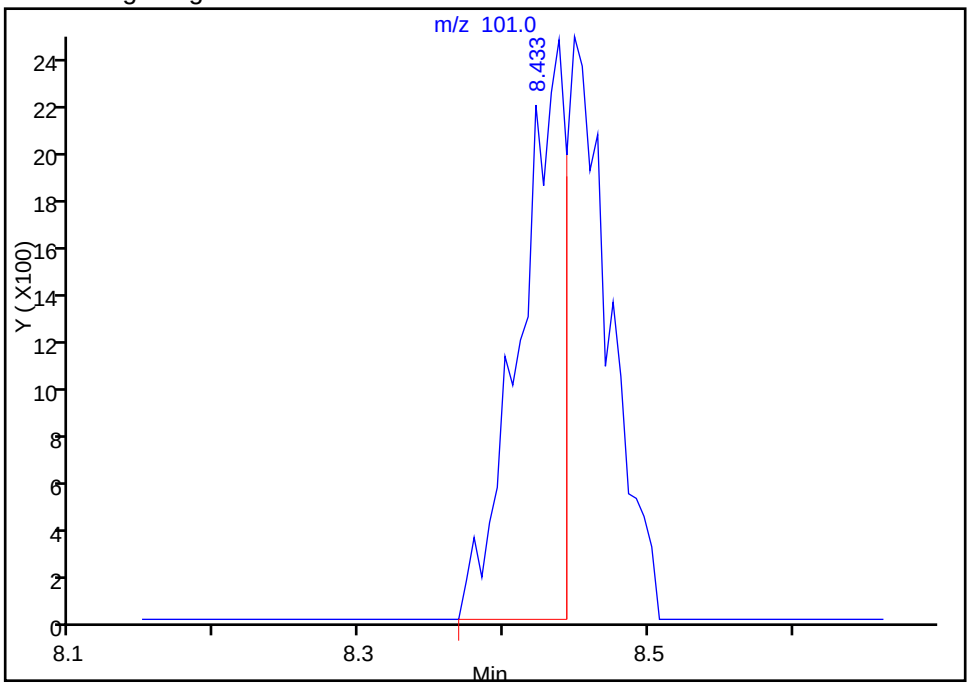
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

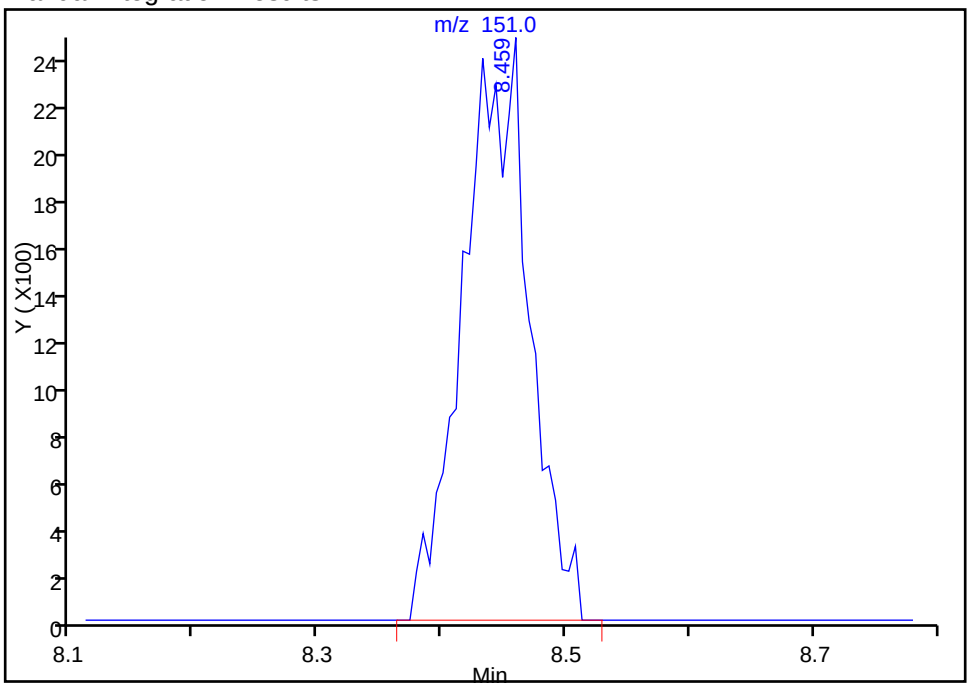
Processing Integration Results

RT: 8.43
Response: 0
Amount: 0.045642



Manual Integration Results

RT: 8.46
Response: 9109
Amount: 0.083463



Reviewer: lyonsb, 25-Feb-2014 09:15:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

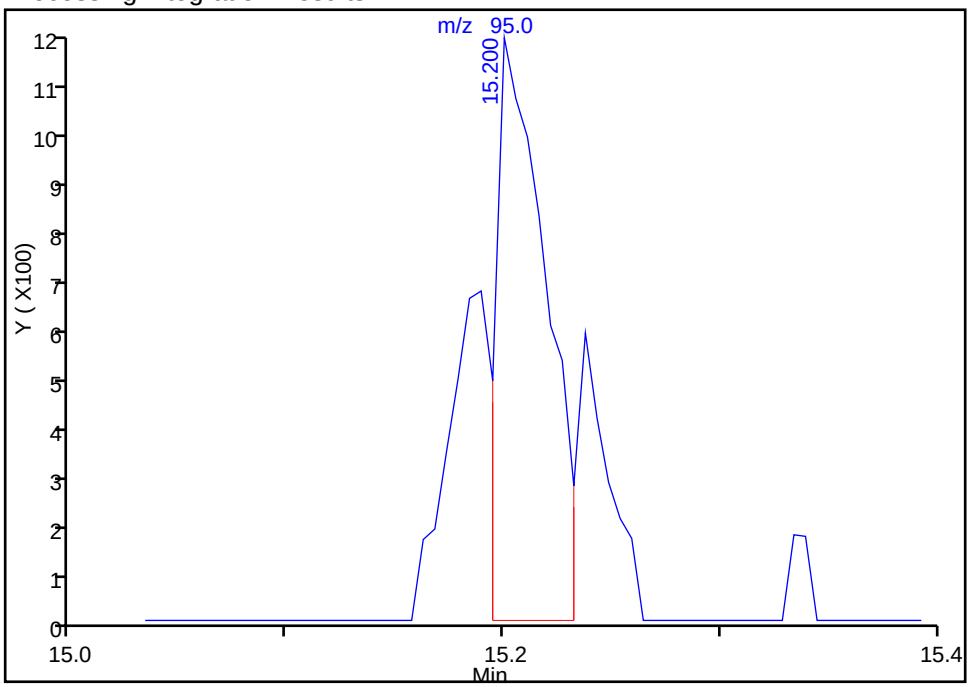
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

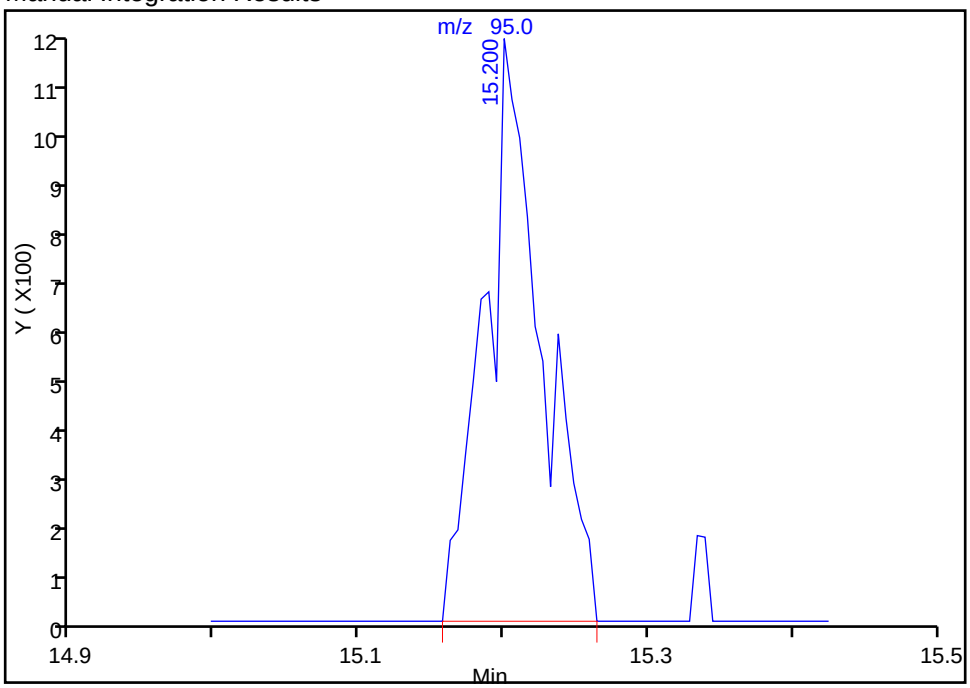
Processing Integration Results

RT: 15.20
Response: 1785
Amount: 0.021579



Manual Integration Results

RT: 15.20
Response: 3034
Amount: 0.036678



Reviewer: lyonsb, 25-Feb-2014 09:15:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

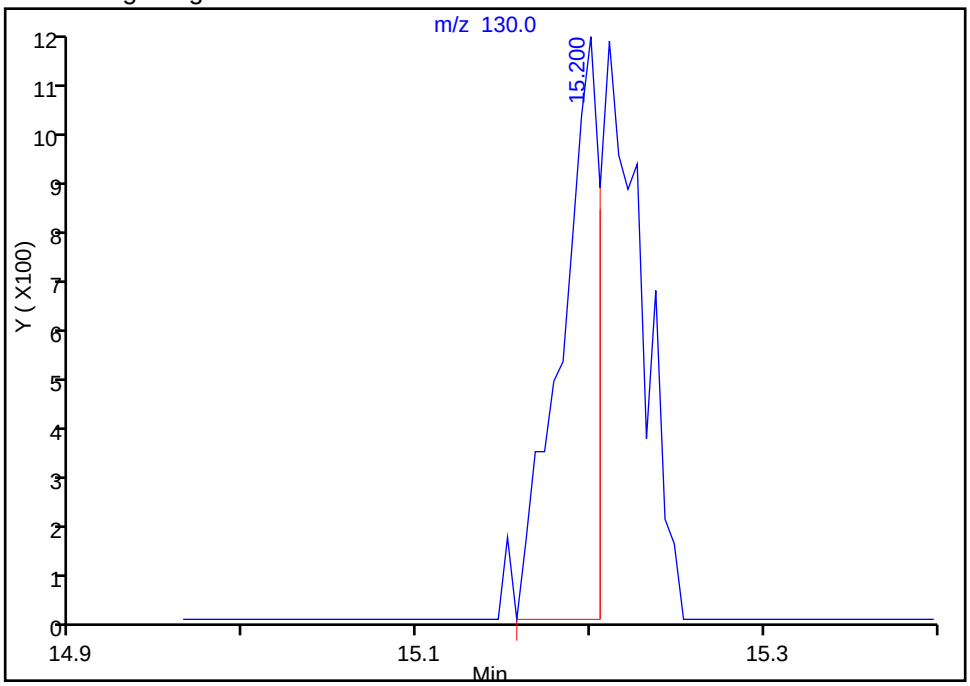
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

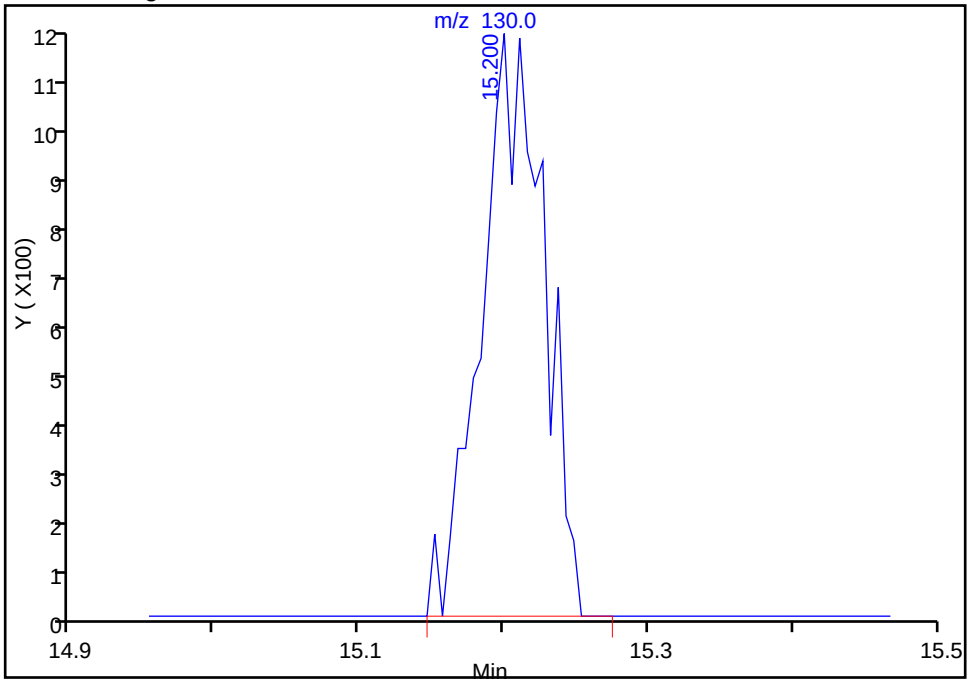
Processing Integration Results

RT: 15.20
Response: 1789
Amount: 0.021579



Manual Integration Results

RT: 15.20
Response: 3507
Amount: 0.036678



Reviewer: lyonsb, 25-Feb-2014 09:15:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

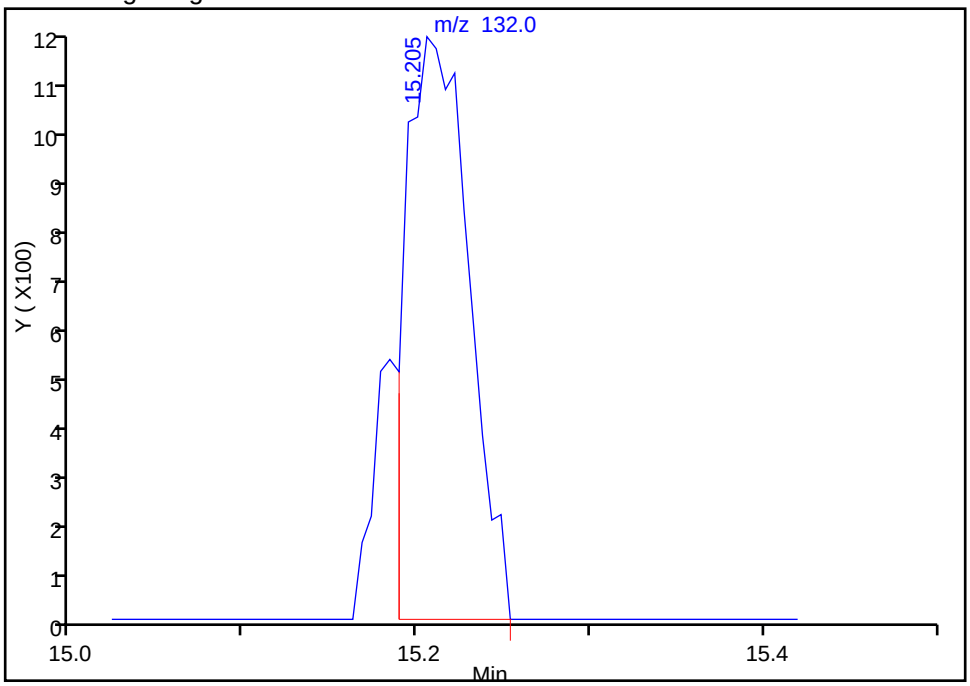
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

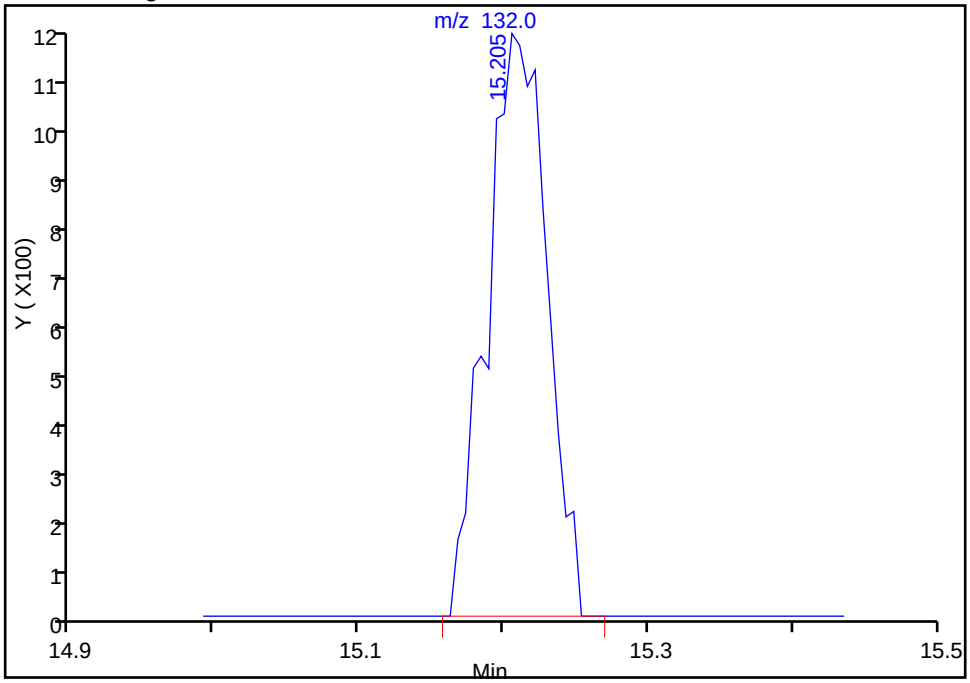
Processing Integration Results

RT: 15.21
Response: 2942
Amount: 0.021579



Manual Integration Results

RT: 15.21
Response: 3384
Amount: 0.036678



Reviewer: lyonsb, 25-Feb-2014 09:15:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

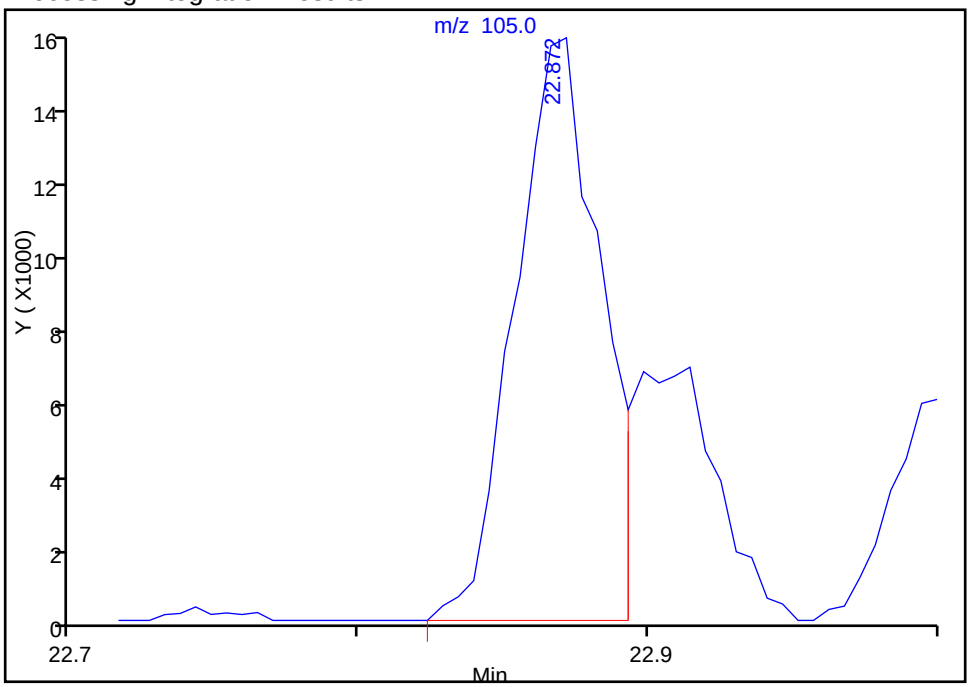
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 4-Ethyltoluene, CAS: 622-96-8

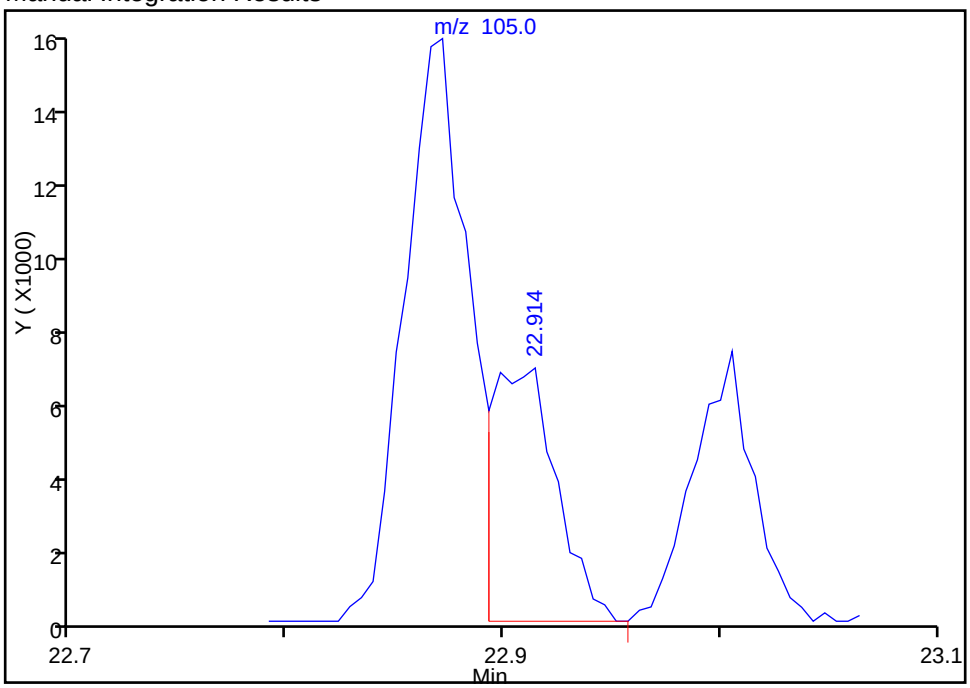
Processing Integration Results

RT: 22.87
Response: 31979
Amount: 0.086083



Manual Integration Results

RT: 22.91
Response: 14260
Amount: 0.038386



Reviewer: lyonsb, 25-Feb-2014 09:15:00
Audit Action: Assigned Compound ID
Audit Reason: Analyte misidentified by the data system

Manual Integration/User Assign Peak Report

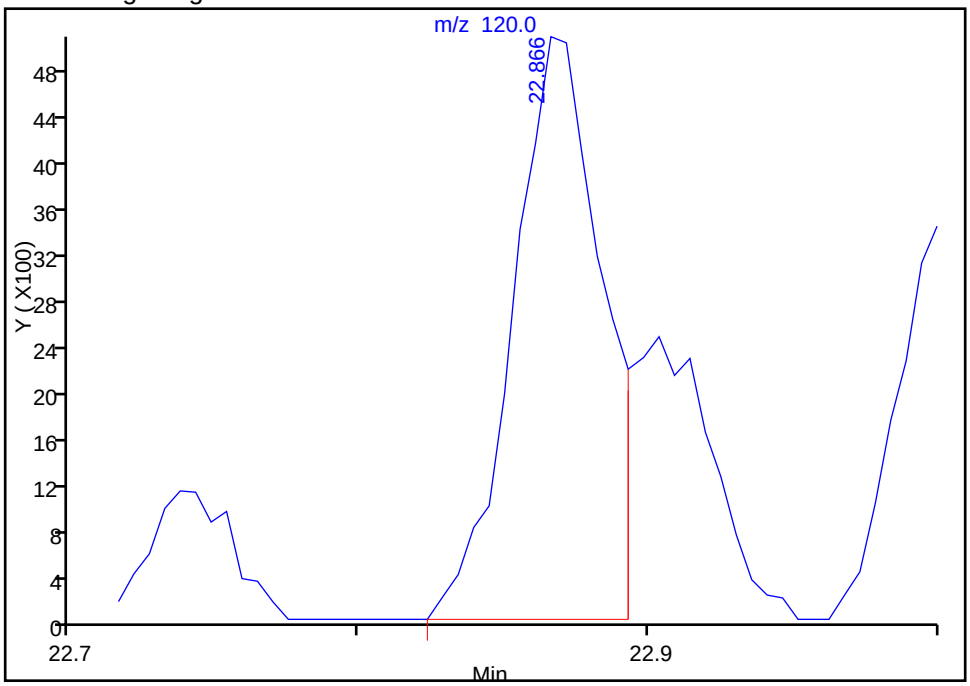
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 4-Ethyltoluene, CAS: 622-96-8

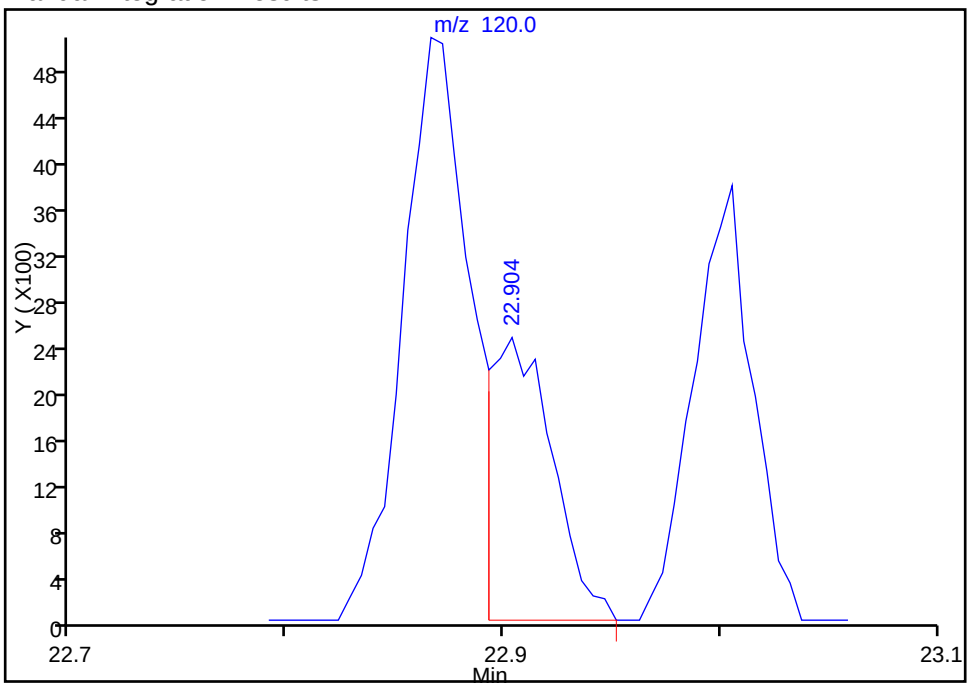
Processing Integration Results

RT: 22.87
Response: 10952
Amount: 0.086083



Manual Integration Results

RT: 22.90
Response: 5047
Amount: 0.038386



Reviewer: lyonsb, 25-Feb-2014 09:15:00
Audit Action: Split an Integrated Peak
Audit Reason: Analyte misidentified by the data system

Manual Integration/User Assign Peak Report

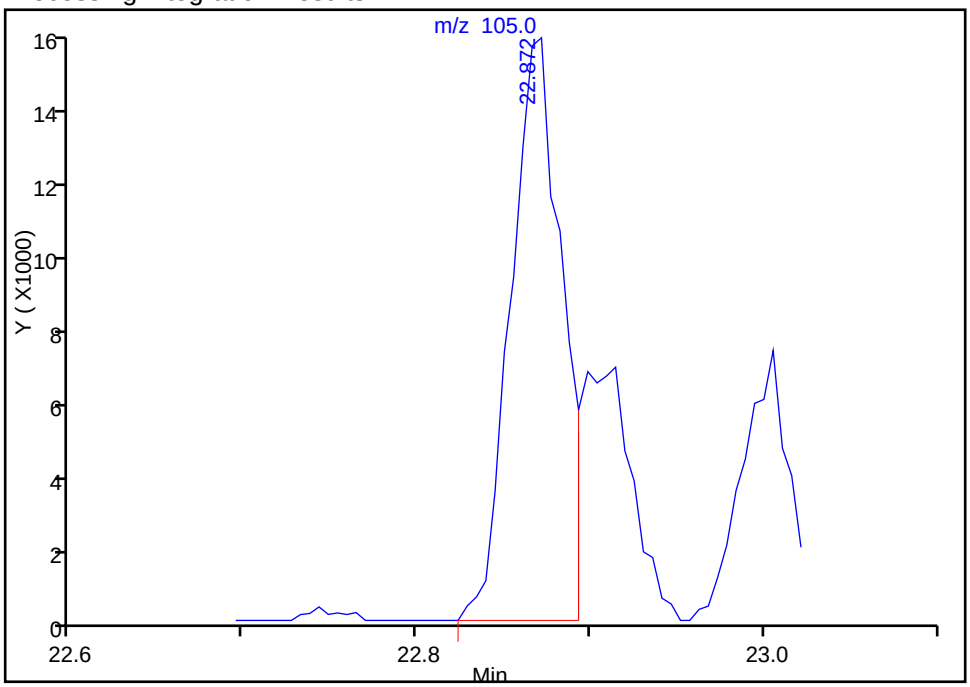
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 1,3,5-Trimethylbenzene, CAS: 108-67-8

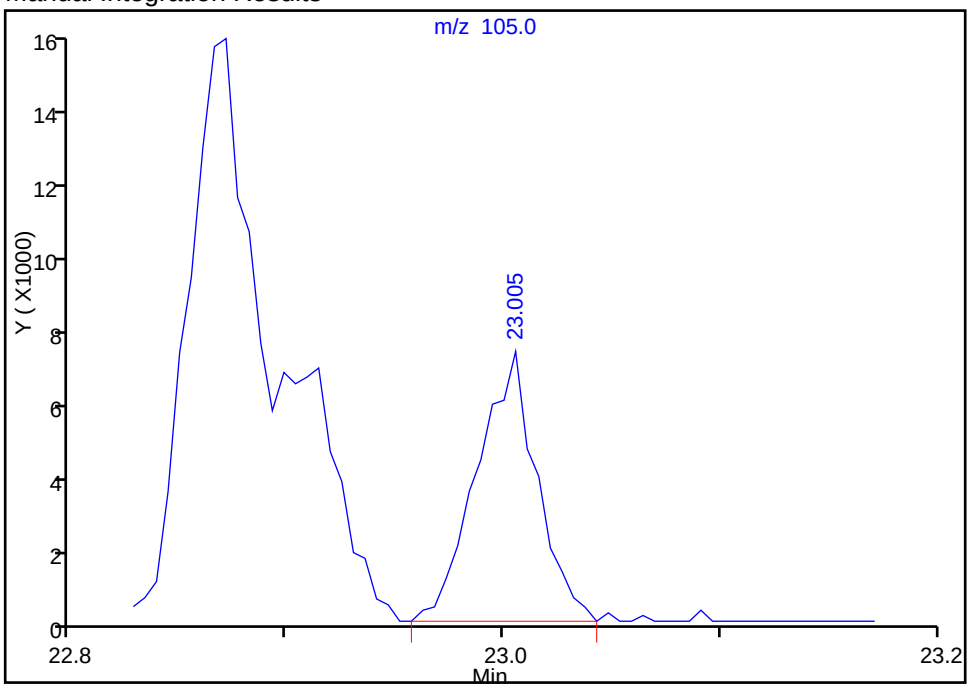
Processing Integration Results

RT: 22.87
Response: 31979
Amount: 0.093014



Manual Integration Results

RT: 23.01
Response: 13808
Amount: 0.040162



Reviewer: lyonsb, 25-Feb-2014 09:15:00
Audit Action: Assigned Compound ID
Audit Reason: Analyte misidentified by the data system

Manual Integration/User Assign Peak Report

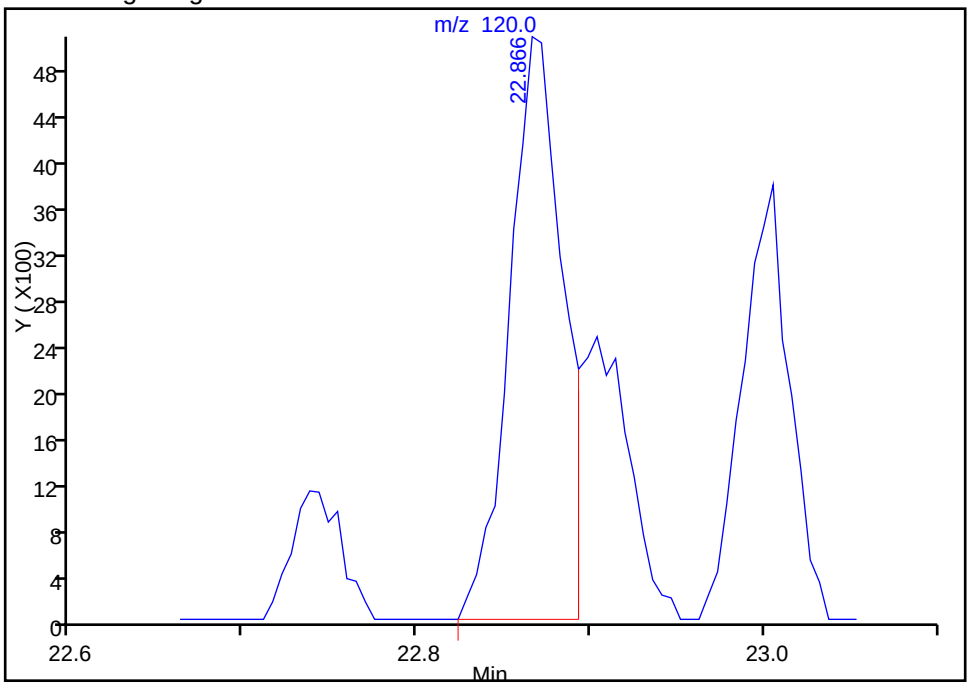
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_010.d				
Injection Date:	24-Feb-2014 19:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-20	Lab Sample ID:	200-20955-20		
Client ID:	SS-VMP-3E				
Operator ID:	bl	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 1,3,5-Trimethylbenzene, CAS: 108-67-8

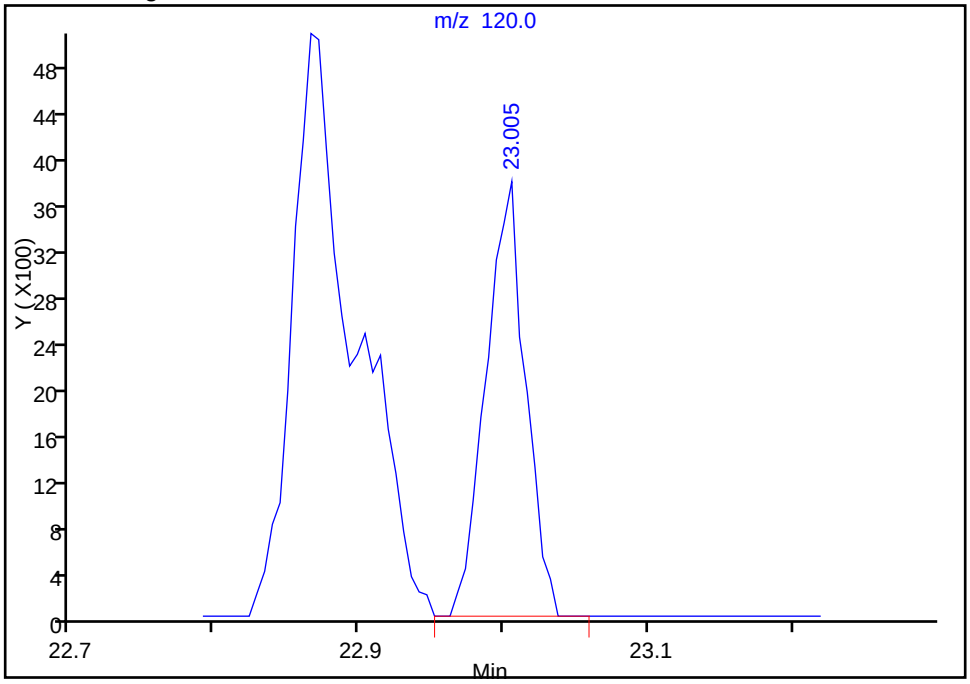
Processing Integration Results

RT: 22.87
Response: 10952
Amount: 0.093014



Manual Integration Results

RT: 23.01
Response: 7231
Amount: 0.040162



Reviewer: lyonsb, 25-Feb-2014 09:15:00
Audit Action: Split an Integrated Peak
Audit Reason: Analyte misidentified by the data system

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-4 Lab Sample ID: 200-20955-22

Matrix: Air Lab File ID: 6282_011.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:41

Sample wt/vol: 100(mL) Date Analyzed: 02/24/2014 20:04

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	1.0	U	1.0	0.060
75-45-6	Freon 22	86.47	0.43	J	1.0	0.096
76-14-2	Freon-114	170.92	0.40	U	0.40	0.070
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.27
106-97-8	n-Butane	58.12	1.0	U	1.0	0.56
75-01-4	Vinyl chloride	62.50	0.080	U	0.080	0.076
106-99-0	1,3-Butadiene	54.09	0.40	U	0.40	0.084
74-83-9	Bromomethane	94.94	0.40	U	0.40	0.056
75-00-3	Chloroethane	64.52	1.0	U	1.0	0.060
593-60-2	Vinyl bromide	106.96	0.40	U	0.40	0.060
75-69-4	Freon 11	137.37	1.4		0.40	0.060
76-13-1	Freon 113	187.38	0.40	U	0.40	0.036
75-35-4	1,1-Dichloroethene	96.94	0.40	U	0.40	0.048
67-64-1	Acetone	58.08	36		10	2.5
67-63-0	Isopropyl alcohol	60.10	610	E	10	0.43
75-15-0	Carbon disulfide	76.14	1.0	U	1.0	0.13
107-05-1	Allyl chloride	76.53	1.0	U	1.0	0.068
75-09-2	Methylene Chloride	84.93	1.4		1.0	0.25
75-65-0	tert-Butyl alcohol	74.12	10	U	10	0.66
1634-04-4	Methyl tert-butyl ether	88.15	0.40	U	0.40	0.044
156-60-5	trans-1,2-Dichloroethene	96.94	0.40	U	0.40	0.058
110-54-3	Hexane	86.17	0.40	U	0.40	0.068
75-34-3	1,1-Dichloroethane	98.96	0.40	U	0.40	0.076
78-93-3	Methyl Ethyl Ketone	72.11	23		1.0	0.48
156-59-2	cis-1,2-Dichloroethene	96.94	0.40	U	0.40	0.076
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40	0.13
67-66-3	Chloroform	119.38	0.40	U	0.40	0.050
109-99-9	Tetrahydrofuran	72.11	10	U	10	0.092
71-55-6	1,1,1-Trichloroethane	133.41	0.40	U	0.40	0.042
110-82-7	Cyclohexane	84.16	11		0.40	0.050
56-23-5	Carbon tetrachloride	153.81	0.080	U	0.080	0.042
540-84-1	2,2,4-Trimethylpentane	114.23	0.40	U	0.40	0.054
71-43-2	Benzene	78.11	0.30	J	0.40	0.038
107-06-2	1,2-Dichloroethane	98.96	0.40	U	0.40	0.034
142-82-5	Heptane	100.21	0.40	U	0.40	0.092

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-4 Lab Sample ID: 200-20955-22

Matrix: Air Lab File ID: 6282_011.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:41

Sample wt/vol: 100(mL) Date Analyzed: 02/24/2014 20:04

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.080	U	0.080	0.048
80-62-6	Methyl methacrylate	100.12	1.0	U	1.0	0.060
78-87-5	1,2-Dichloropropane	112.99	0.40	U	0.40	0.064
123-91-1	1,4-Dioxane	88.11	10	U	10	0.40
75-27-4	Bromodichloromethane	163.83	0.40	U	0.40	0.034
10061-01-5	cis-1,3-Dichloropropene	110.97	0.40	U	0.40	0.056
108-10-1	methyl isobutyl ketone	100.16	1.0	U	1.0	0.054
108-88-3	Toluene	92.14	1.0		0.40	0.034
10061-02-6	trans-1,3-Dichloropropene	110.97	0.40	U	0.40	0.044
79-00-5	1,1,2-Trichloroethane	133.41	0.40	U	0.40	0.034
127-18-4	Tetrachloroethene	165.83	0.48		0.40	0.032
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.0	U	1.0	0.40
124-48-1	Dibromochloromethane	208.29	0.40	U	0.40	0.040
106-93-4	1,2-Dibromoethane	187.87	0.40	U	0.40	0.040
108-90-7	Chlorobenzene	112.56	0.12	J	0.40	0.016
100-41-4	Ethylbenzene	106.17	0.18	J	0.40	0.026
179601-23-1	m,p-Xylene	106.17	0.38	J	1.0	0.046
95-47-6	Xylene, o-	106.17	0.13	J	0.40	0.032
1330-20-7	Xylene (total)	106.17	0.51		0.40	0.068
100-42-5	Styrene	104.15	0.46		0.40	0.036
75-25-2	Bromoform	252.75	0.40	U	0.40	0.020
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.40	U	0.40	0.032
103-65-1	n-Propylbenzene	120.19	0.40	U	0.40	0.16
622-96-8	4-Ethyltoluene	120.20	0.075	J	0.40	0.036
108-67-8	1,3,5-Trimethylbenzene	120.20	0.062	J	0.40	0.024
95-49-8	2-Chlorotoluene	126.59	0.40	U	0.40	0.026
98-06-6	tert-Butylbenzene	134.22	0.40	U	0.40	0.034
95-63-6	1,2,4-Trimethylbenzene	120.20	0.18	J	0.40	0.028
135-98-8	sec-Butylbenzene	134.22	0.40	U	0.40	0.16
99-87-6	4-Isopropyltoluene	134.22	0.40	U	0.40	0.16
541-73-1	1,3-Dichlorobenzene	147.00	0.45	B	0.40	0.028
106-46-7	1,4-Dichlorobenzene	147.00	0.40	U	0.40	0.028
100-44-7	Benzyl chloride	126.58	0.40	U	0.40	0.16
104-51-8	n-Butylbenzene	134.22	0.40	U	0.40	0.16

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-4 Lab Sample ID: 200-20955-22

Matrix: Air Lab File ID: 6282_011.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:41

Sample wt/vol: 100(mL) Date Analyzed: 02/24/2014 20:04

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.40	U	0.40	0.028
120-82-1	1,2,4-Trichlorobenzene	181.45	1.0	U	1.0	0.054
87-68-3	Hexachloro-1,3-butadiene	260.76	0.40	U	0.40	0.044
91-20-3	Naphthalene	128.17	1.0	U	1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-4 Lab Sample ID: 200-20955-22

Matrix: Air Lab File ID: 6282_011.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:41

Sample wt/vol: 100(mL) Date Analyzed: 02/24/2014 20:04

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	4.9	U	4.9	0.30
75-45-6	Freon 22	86.47	1.5	J	3.5	0.34
76-14-2	Freon-114	170.92	2.8	U	2.8	0.49
74-87-3	Chloromethane	50.49	2.1	U	2.1	0.56
106-97-8	n-Butane	58.12	2.4	U	2.4	1.3
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.19
106-99-0	1,3-Butadiene	54.09	0.88	U	0.88	0.19
74-83-9	Bromomethane	94.94	1.6	U	1.6	0.22
75-00-3	Chloroethane	64.52	2.6	U	2.6	0.16
593-60-2	Vinyl bromide	106.96	1.7	U	1.7	0.26
75-69-4	Freon 11	137.37	8.0		2.2	0.34
76-13-1	Freon 113	187.38	3.1	U	3.1	0.28
75-35-4	1,1-Dichloroethene	96.94	1.6	U	1.6	0.19
67-64-1	Acetone	58.08	84		24	5.9
67-63-0	Isopropyl alcohol	60.10	1500	E	25	1.1
75-15-0	Carbon disulfide	76.14	3.1	U	3.1	0.41
107-05-1	Allyl chloride	76.53	3.1	U	3.1	0.21
75-09-2	Methylene Chloride	84.93	5.0		3.5	0.87
75-65-0	tert-Butyl alcohol	74.12	30	U	30	2.0
1634-04-4	Methyl tert-butyl ether	88.15	1.4	U	1.4	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	1.6	U	1.6	0.23
110-54-3	Hexane	86.17	1.4	U	1.4	0.24
75-34-3	1,1-Dichloroethane	98.96	1.6	U	1.6	0.31
78-93-3	Methyl Ethyl Ketone	72.11	66		2.9	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	1.6	U	1.6	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	0.51
67-66-3	Chloroform	119.38	2.0	U	2.0	0.24
109-99-9	Tetrahydrofuran	72.11	29	U	29	0.27
71-55-6	1,1,1-Trichloroethane	133.41	2.2	U	2.2	0.23
110-82-7	Cyclohexane	84.16	40		1.4	0.17
56-23-5	Carbon tetrachloride	153.81	0.50	U	0.50	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	1.9	U	1.9	0.25
71-43-2	Benzene	78.11	0.95	J	1.3	0.12
107-06-2	1,2-Dichloroethane	98.96	1.6	U	1.6	0.14
142-82-5	Heptane	100.21	1.6	U	1.6	0.38

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-4 Lab Sample ID: 200-20955-22

Matrix: Air Lab File ID: 6282_011.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:41

Sample wt/vol: 100(mL) Date Analyzed: 02/24/2014 20:04

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.43	U	0.43	0.26
80-62-6	Methyl methacrylate	100.12	4.1	U	4.1	0.25
78-87-5	1,2-Dichloropropane	112.99	1.8	U	1.8	0.30
123-91-1	1,4-Dioxane	88.11	36	U	36	1.4
75-27-4	Bromodichloromethane	163.83	2.7	U	2.7	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	1.8	U	1.8	0.25
108-10-1	methyl isobutyl ketone	100.16	4.1	U	4.1	0.22
108-88-3	Toluene	92.14	3.8		1.5	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	1.8	U	1.8	0.20
79-00-5	1,1,2-Trichloroethane	133.41	2.2	U	2.2	0.19
127-18-4	Tetrachloroethene	165.83	3.3		2.7	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.1	U	4.1	1.6
124-48-1	Dibromochloromethane	208.29	3.4	U	3.4	0.34
106-93-4	1,2-Dibromoethane	187.87	3.1	U	3.1	0.31
108-90-7	Chlorobenzene	112.56	0.56	J	1.8	0.075
100-41-4	Ethylbenzene	106.17	0.80	J	1.7	0.11
179601-23-1	m,p-Xylene	106.17	1.7	J	4.3	0.20
95-47-6	Xylene, o-	106.17	0.55	J	1.7	0.14
1330-20-7	Xylene (total)	106.17	2.2		1.7	0.30
100-42-5	Styrene	104.15	1.9		1.7	0.15
75-25-2	Bromoform	252.75	4.1	U	4.1	0.21
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.7	U	2.7	0.22
103-65-1	n-Propylbenzene	120.19	2.0	U	2.0	0.79
622-96-8	4-Ethyltoluene	120.20	0.37	J	2.0	0.18
108-67-8	1,3,5-Trimethylbenzene	120.20	0.30	J	2.0	0.12
95-49-8	2-Chlorotoluene	126.59	2.1	U	2.1	0.13
98-06-6	tert-Butylbenzene	134.22	2.2	U	2.2	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	0.87	J	2.0	0.14
135-98-8	sec-Butylbenzene	134.22	2.2	U	2.2	0.88
99-87-6	4-Isopropyltoluene	134.22	2.2	U	2.2	0.88
541-73-1	1,3-Dichlorobenzene	147.00	2.7	B	2.4	0.17
106-46-7	1,4-Dichlorobenzene	147.00	2.4	U	2.4	0.17
100-44-7	Benzyl chloride	126.58	2.1	U	2.1	0.83
104-51-8	n-Butylbenzene	134.22	2.2	U	2.2	0.88

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-4 Lab Sample ID: 200-20955-22

Matrix: Air Lab File ID: 6282_011.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:41

Sample wt/vol: 100(mL) Date Analyzed: 02/24/2014 20:04

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	2.4	U	2.4	0.17
120-82-1	1,2,4-Trichlorobenzene	181.45	7.4	U	7.4	0.40
87-68-3	Hexachloro-1,3-butadiene	260.76	4.3	U	4.3	0.47
91-20-3	Naphthalene	128.17	5.2	U	5.2	2.1

Report Date: 25-Feb-2014 09:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d
Lims ID: 200-20955-A-22 Lab Sample ID: 200-20955-22
Client ID: SS-VMP-4
Sample Type: Client
Inject. Date: 24-Feb-2014 20:04:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Sample Info: 200-0006282-011
Misc. Info.: 200-20955-a-22@2 100ml
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 09:48:16 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 25-Feb-2014 09:16:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		4.463					
6 Chlorodifluoromethane	51	4.479	4.528	-0.049	66	15175	0.2135	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.816					
8 Chloromethane	50		5.009					
9 Butane	43		5.276					
10 Vinyl chloride	62		5.335					
11 Butadiene	54		5.432					
12 Bromomethane	94		6.298					
14 Chloroethane	64		6.587					
16 Vinyl bromide	106		7.063					
17 Trichlorofluoromethane	101	7.165	7.181	-0.016	93	148827	0.7078	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.433					
24 1,1-Dichloroethene	96		8.508					
25 Acetone	43	8.759	8.743	0.016	87	1058083	17.8	
26 Carbon disulfide	76		8.995					
27 Isopropyl alcohol	45	9.059	9.027	0.032	96	15253590	305.7	E
29 3-Chloro-1-propene	41		9.401					
31 Methylene Chloride	49	9.717	9.727	-0.010	70	29929	0.7216	
32 2-Methyl-2-propanol	59		9.904					
33 Methyl tert-butyl ether	73		10.155					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.230					
36 Hexane	57		10.648					
37 1,1-Dichloroethane	63		11.193					
39 cis-1,2-Dichloroethene	96		12.370					
40 2-Butanone (MEK)	72	12.402	12.386	0.016	96	283939	11.3	
44 Tetrahydrofuran	42		12.846					
* 43 Chlorobromomethane	128	12.862	12.857	0.005	69	410198	10.0	
45 Chloroform	83		12.964					
46 Cyclohexane	84	13.258	13.258	0.0	82	412252	5.74	
47 1,1,1-Trichloroethane	97		13.274					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v		Flags
	48	Carbon tetrachloride	117		13.531						
	51	Isooctane	57		13.922						
	50	Benzene	78	13.991	13.980	0.011	81	25506	0.1489		
	52	1,2-Dichloroethane	62		14.141						
	53	n-Heptane	43		14.269						
*	54	1,4-Difluorobenzene	114	14.751	14.745	0.006	92	1965969	10.0		
	56	Trichloroethene	95		15.206						
	58	1,2-Dichloropropane	63		15.730						
	59	Methyl methacrylate	69		15.810						
	60	1,4-Dioxane	88		15.901						
	62	Dichlorobromomethane	83		16.217						
	64	cis-1,3-Dichloropropene	75		17.083						
	65	4-Methyl-2-pentanone (MIBK)	43		17.319						
	66	Toluene	92	17.661	17.656	0.005	92	64509	0.4988		
	70	trans-1,3-Dichloropropene	75		18.191						
	71	1,1,2-Trichloroethane	83		18.554						
	72	Tetrachloroethene	166	18.694	18.699	-0.005	94	38639	0.2401		
	73	2-Hexanone	43		18.945						
	74	Chlorodibromomethane	129		19.314						
	75	Ethylene Dibromide	107		19.598						
S	82	Xylenes, Total	106				0		0.2546		7
*	76	Chlorobenzene-d5	117	20.443	20.443	0.0	83	1783267	10.0		
	77	Chlorobenzene	112	20.496	20.496	0.0	57	13113	0.0606		
	78	Ethylbenzene	91	20.614	20.614	0.0	87	27870	0.0922		
	80	m-Xylene & p-Xylene	106	20.833	20.833	0.0	99	23289	0.1911		
	83	o-Xylene	106	21.540	21.545	-0.005	63	7298	0.0635		
	84	Styrene	104	21.588	21.582	0.006	95	38861	0.2277		
	85	Bromoform	173		21.957						
$	87	4-Bromofluorobenzene	95	22.444	22.444	0.0	98	1214080	NC		
	88	1,1,2,2-Tetrachloroethane	83		22.668						
	90	N-Propylbenzene	91		22.743						
	91	4-Ethyltoluene	105	22.909	22.909	0.0	55	14717	0.0374		
	92	2-Chlorotoluene	91		22.941						
	94	1,3,5-Trimethylbenzene	105	23.005	23.000	0.005	80	11294	0.0310		
	96	tert-Butylbenzene	119		23.476						
	97	1,2,4-Trimethylbenzene	105	23.573	23.567	0.005	91	30695	0.0883		
	98	sec-Butylbenzene	105		23.808						
	99	4-Isopropyltoluene	119		24.011						
	100	1,3-Dichlorobenzene	146	24.081	24.081	0.0	98	57041	0.2251		
	101	1,4-Dichlorobenzene	146		24.225						
	102	Benzyl chloride	91		24.434						
	103	n-Butylbenzene	91		24.648						
	105	1,2-Dichlorobenzene	146		24.830						
	107	1,2,4-Trichlorobenzene	180		27.729						
	108	Hexachlorobutadiene	225		27.932						
	109	Naphthalene	128		28.312						

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

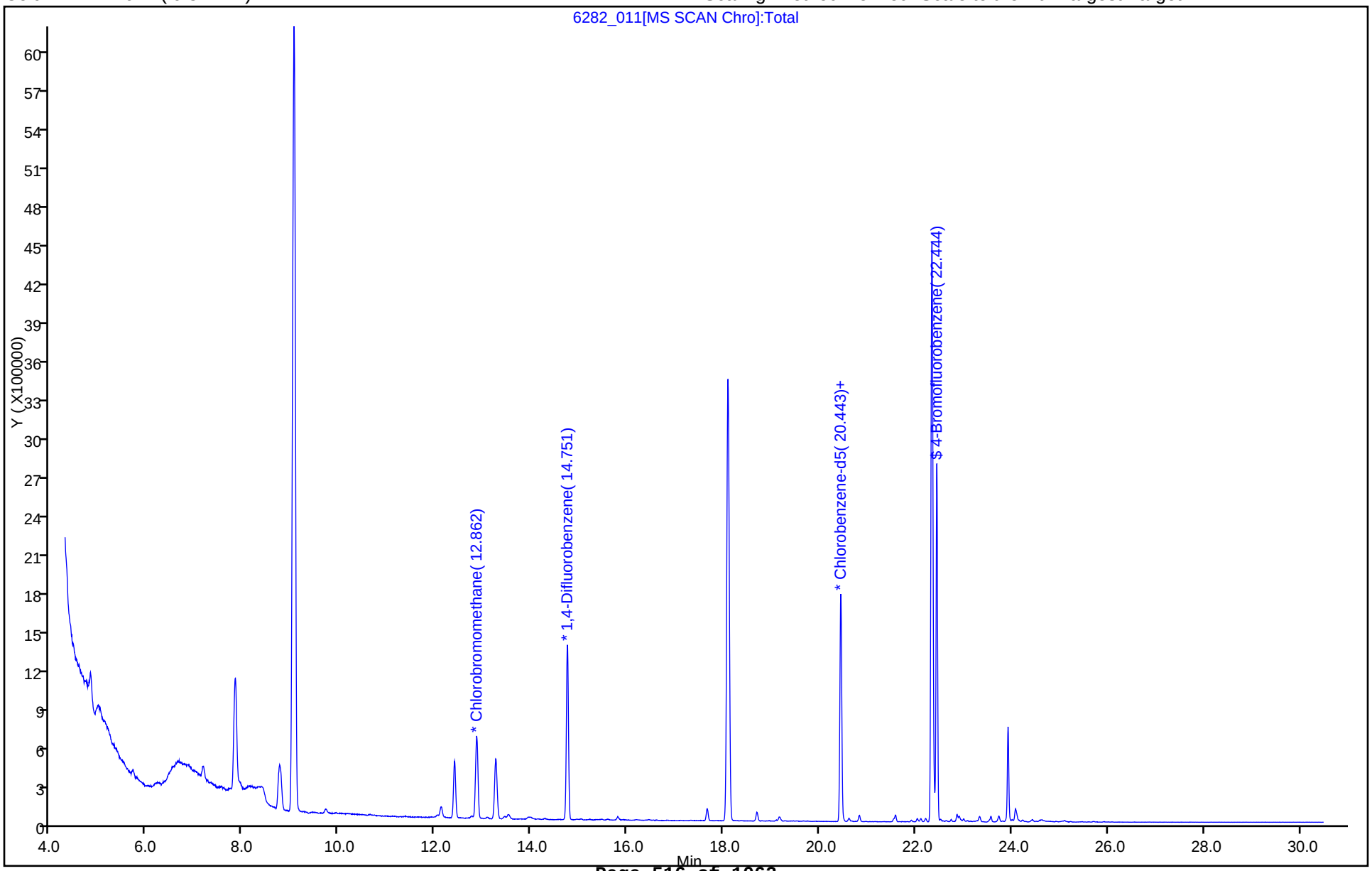
Report Date: 25-Feb-2014 09:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22	Worklist Smp#:	11
Client ID:	SS-VMP-4				
Purge Vol:	200.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	10
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



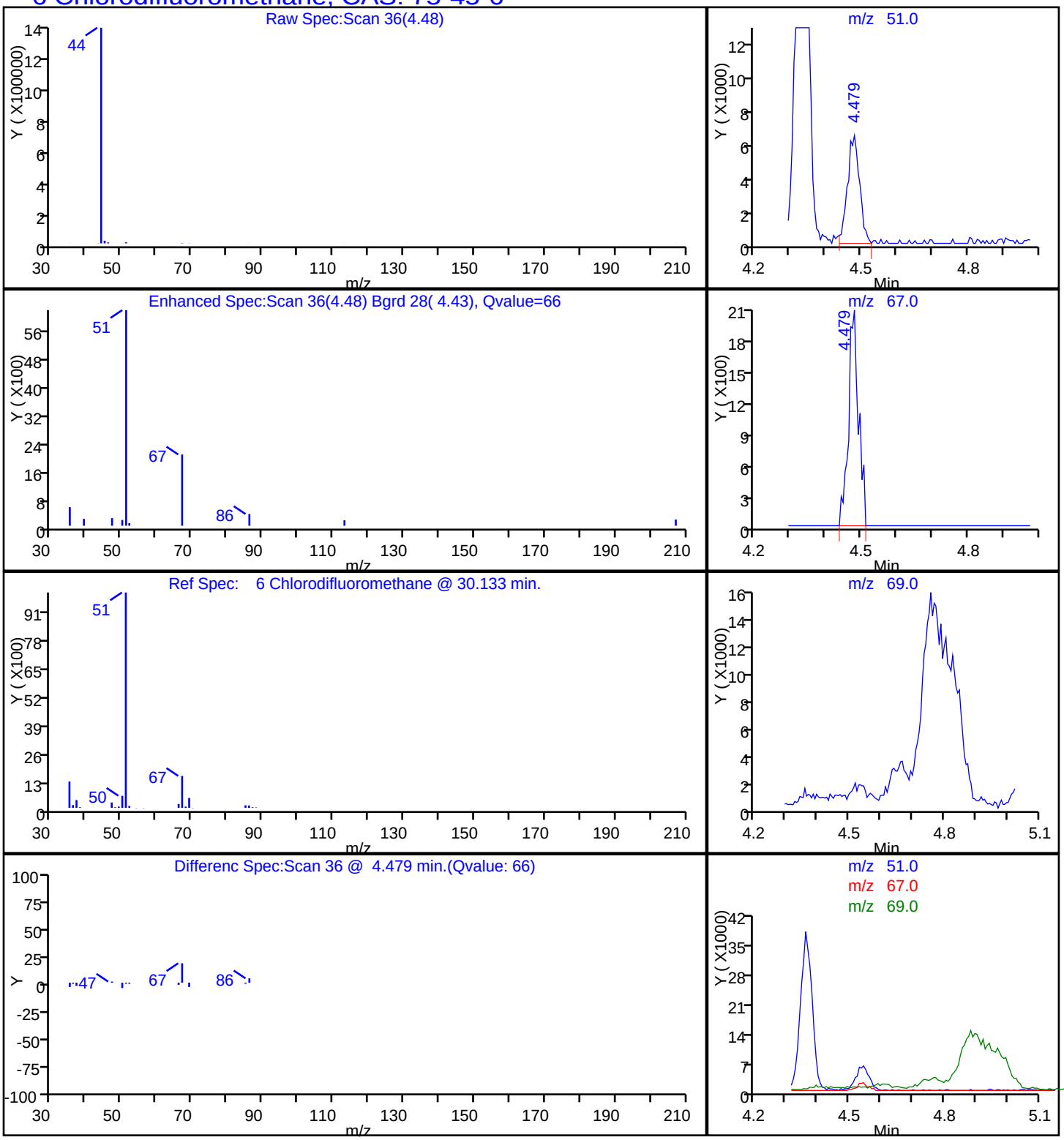
Report Date: 25-Feb-2014 09:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



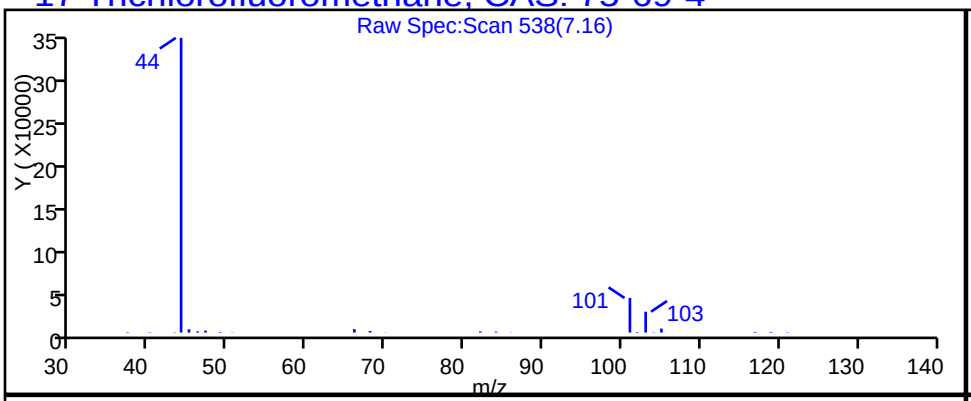
Report Date: 25-Feb-2014 09:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

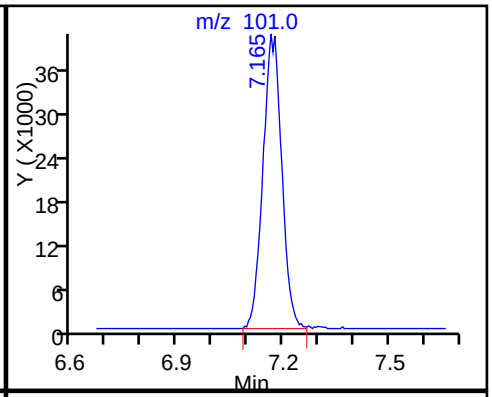
TestAmerica Burlington

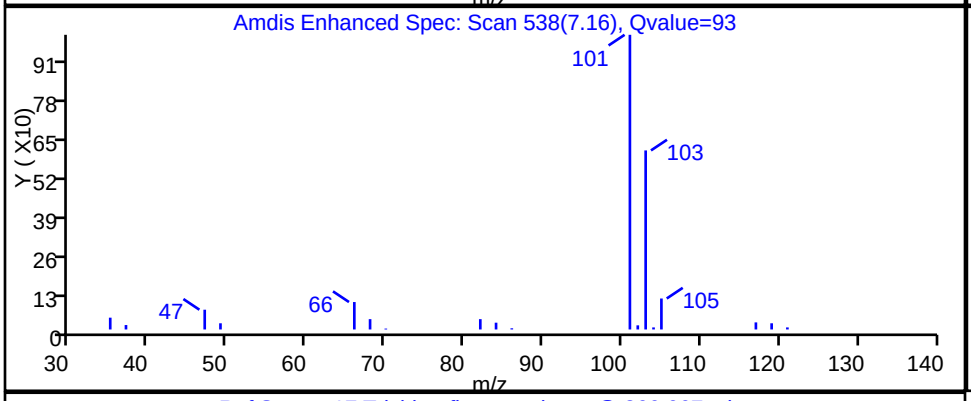
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

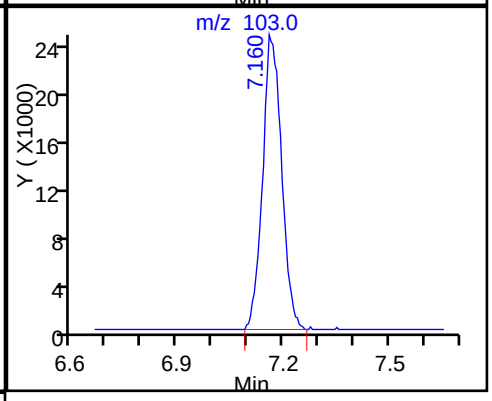
Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

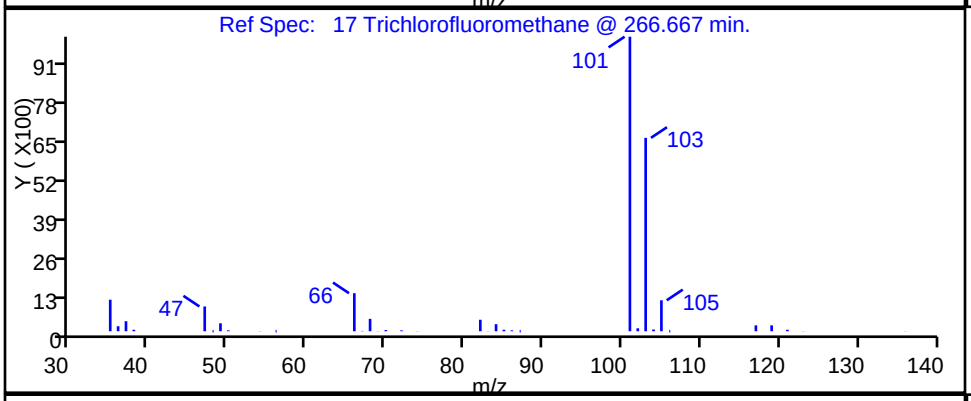
17 Trichlorofluoromethane, CAS: 75-69-4

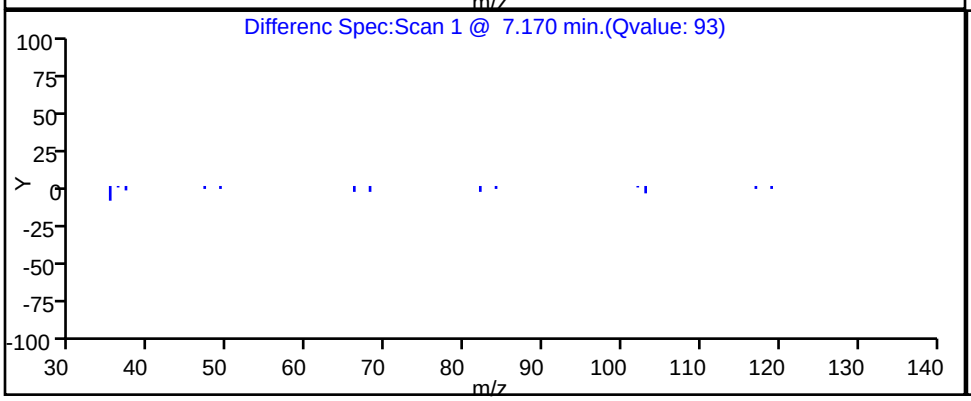


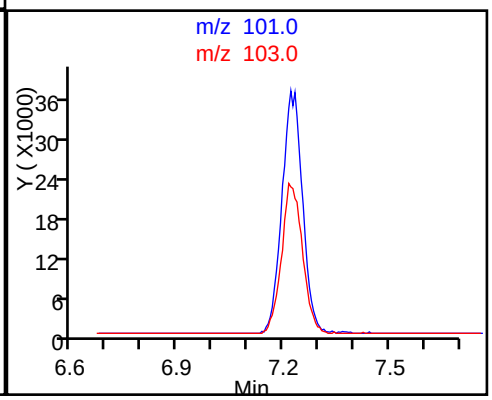












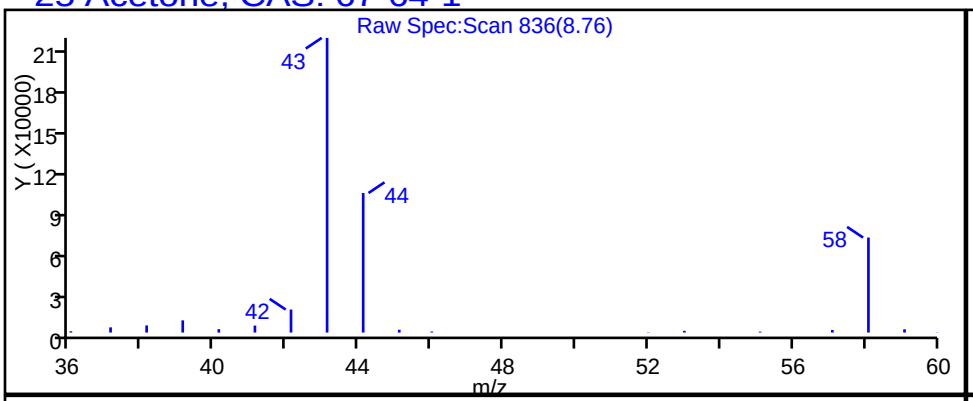
Report Date: 25-Feb-2014 09:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

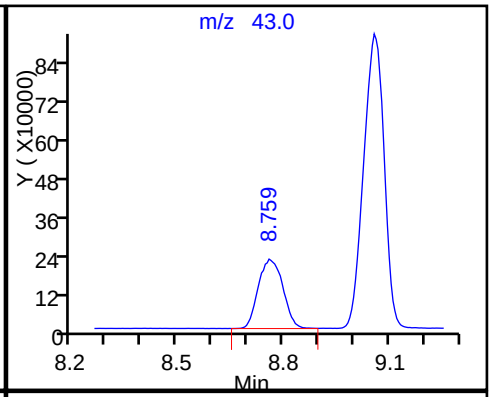
TestAmerica Burlington

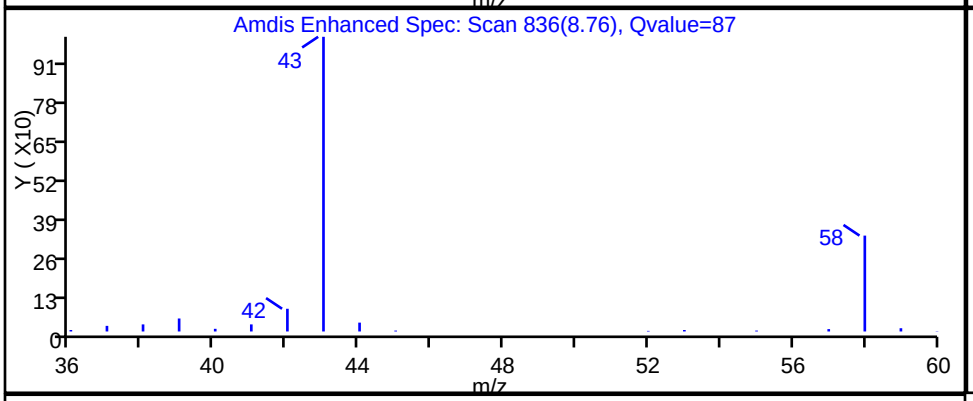
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

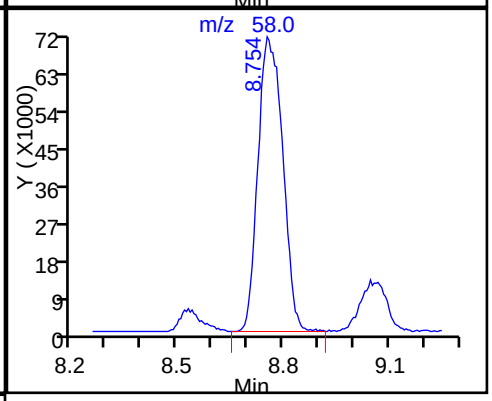
Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

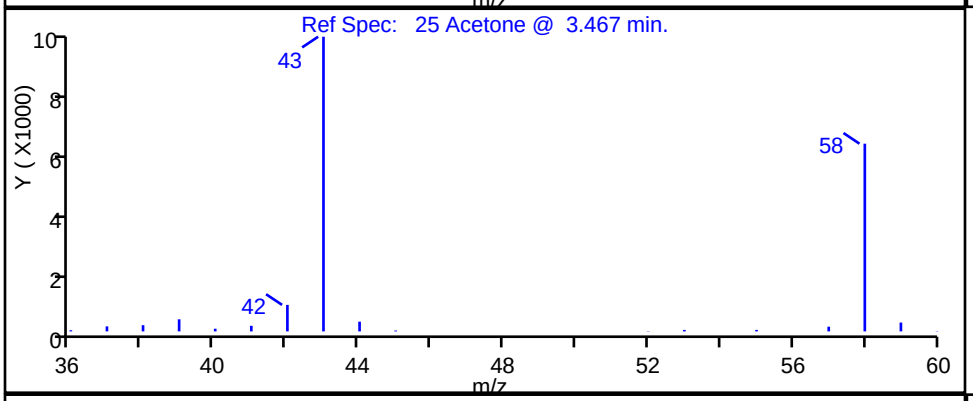
25 Acetone, CAS: 67-64-1

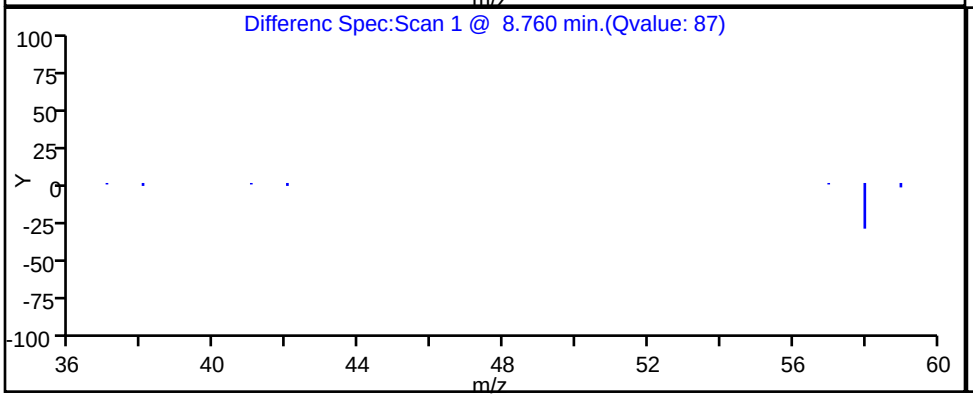


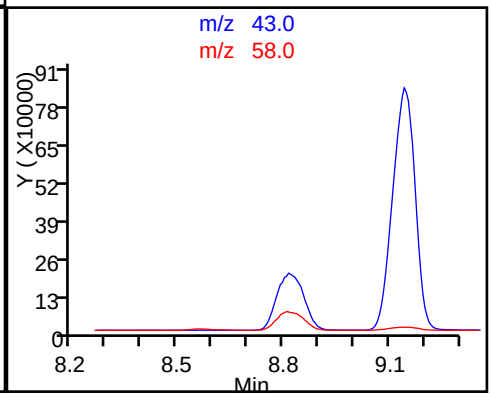












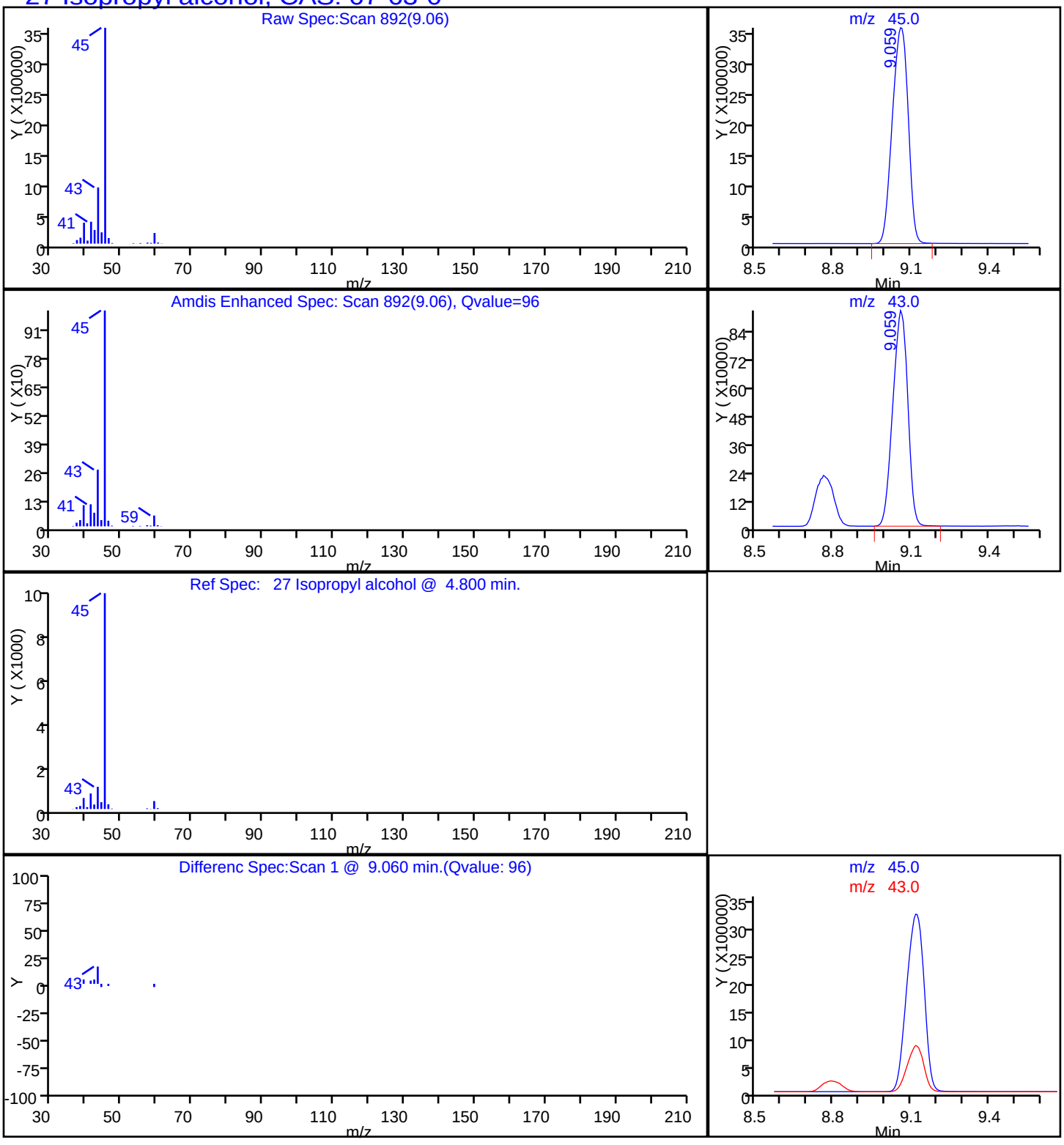
Report Date: 25-Feb-2014 09:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



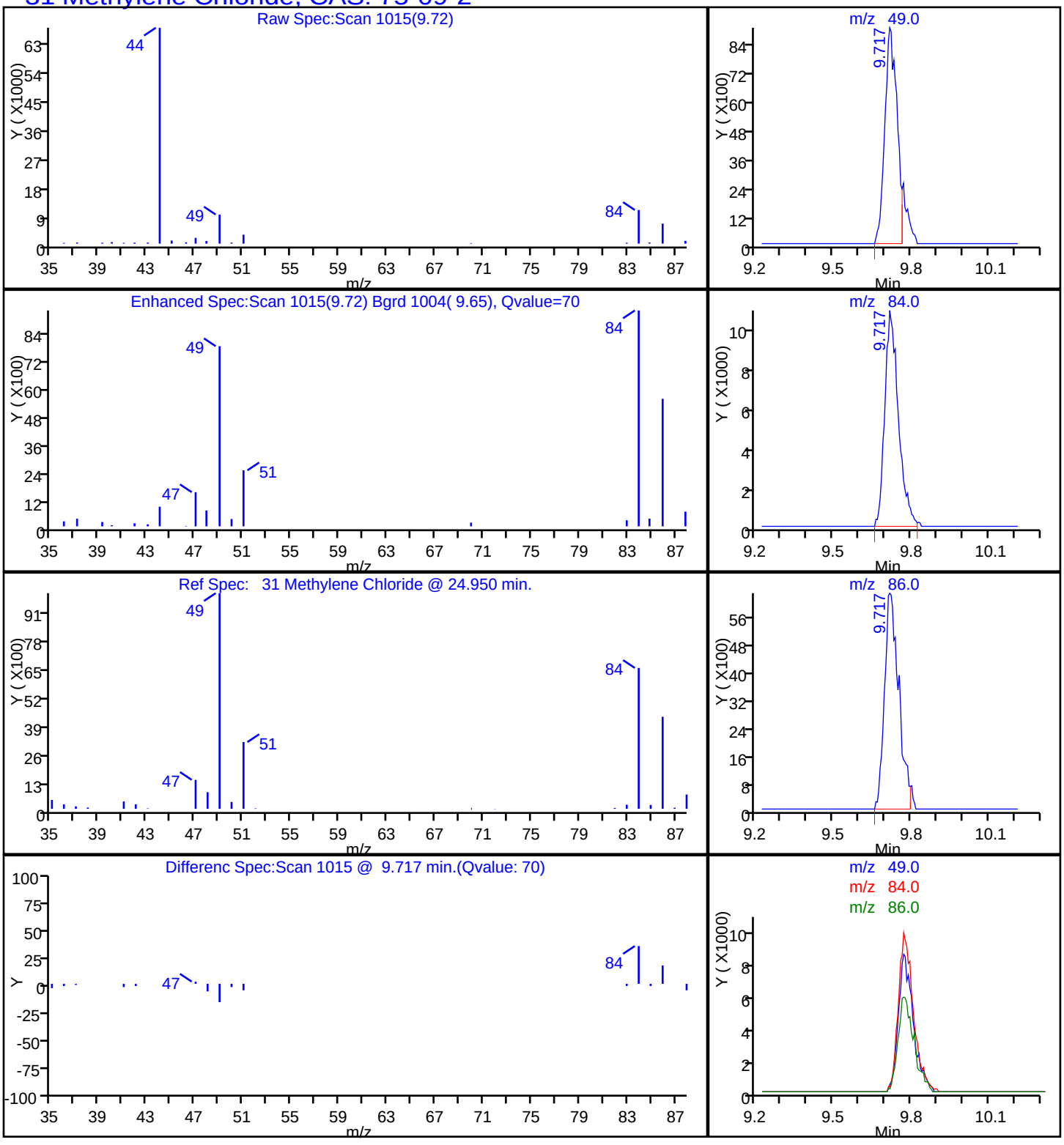
Report Date: 25-Feb-2014 09:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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TestAmerica Burlington

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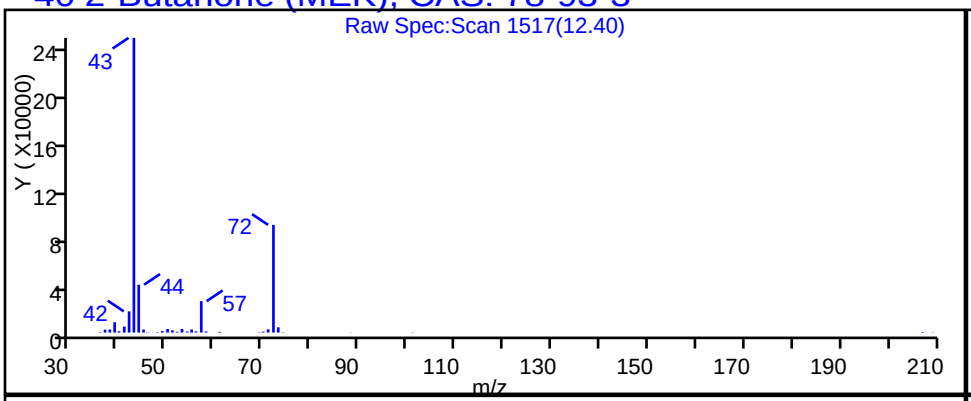
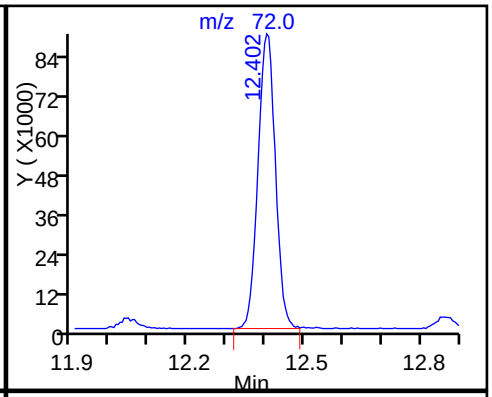
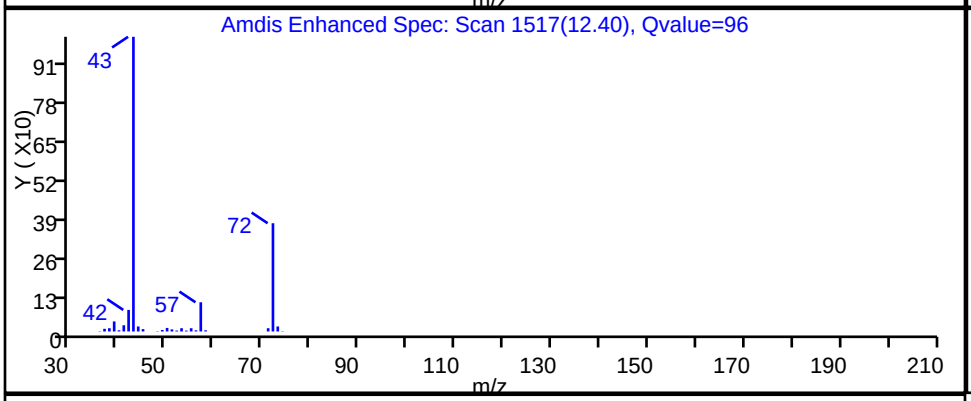
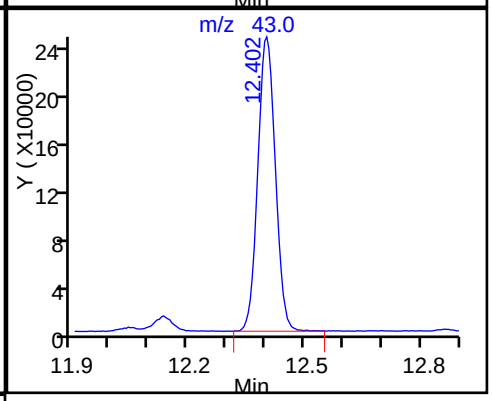
Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

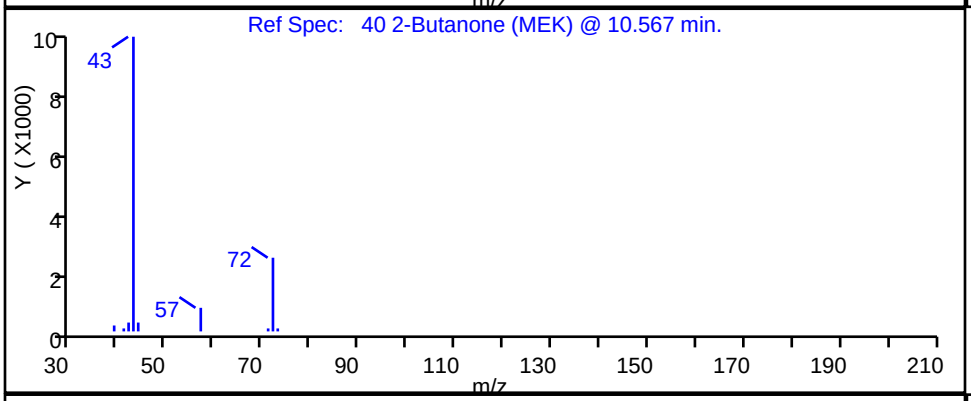
40 2-Butanone (MEK), CAS: 78-93-3

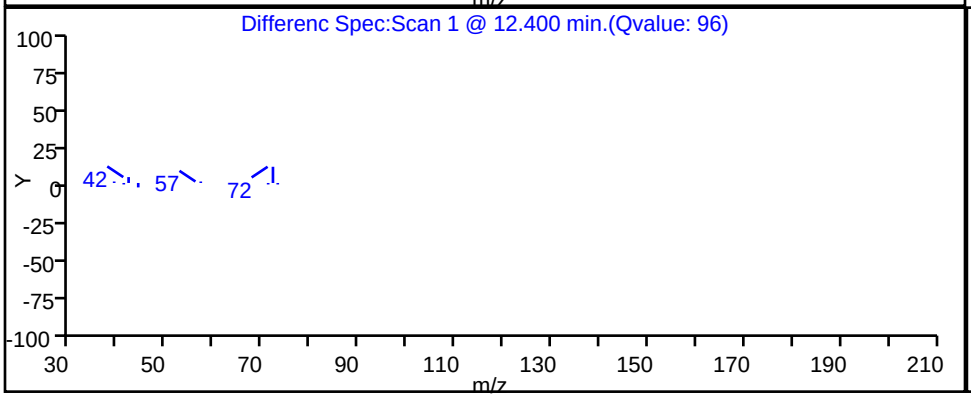


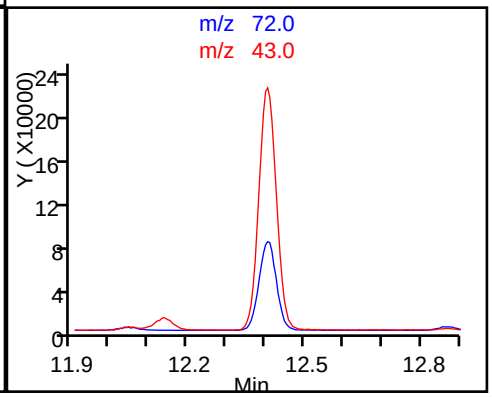












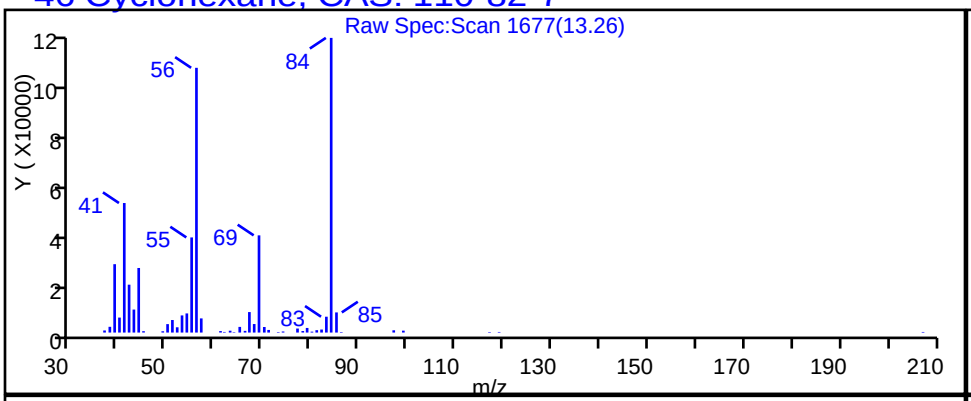
Report Date: 25-Feb-2014 09:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

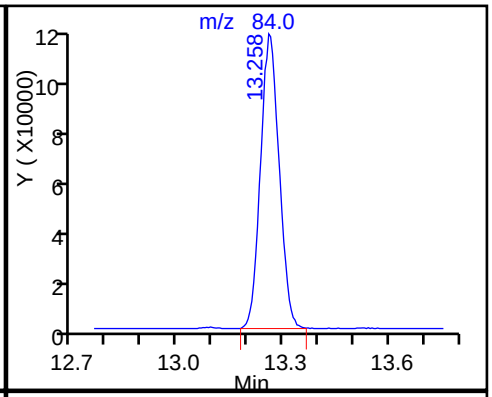
TestAmerica Burlington

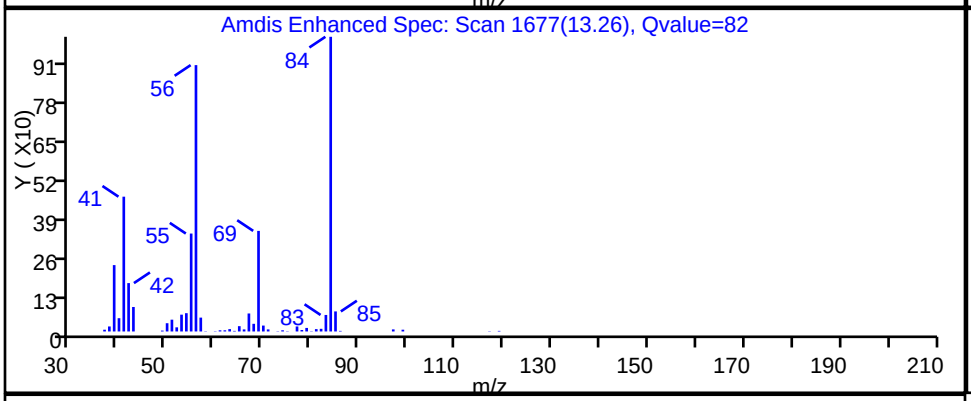
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

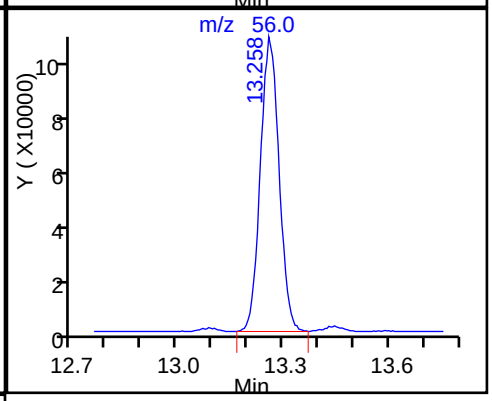
Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

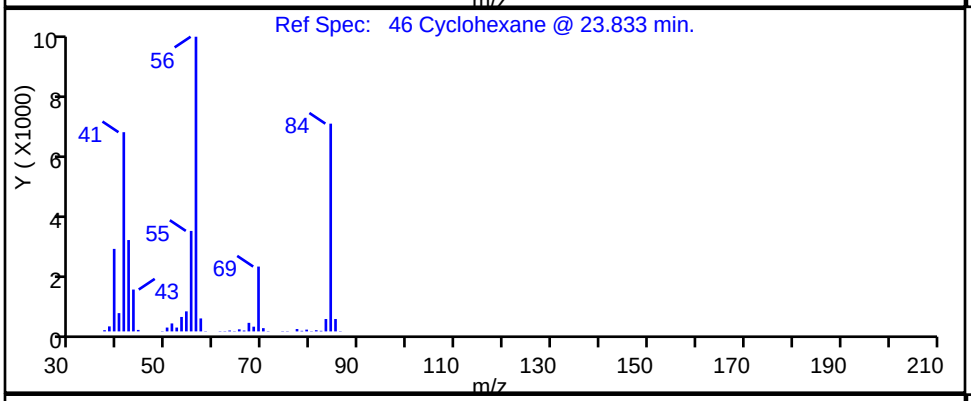
46 Cyclohexane, CAS: 110-82-7

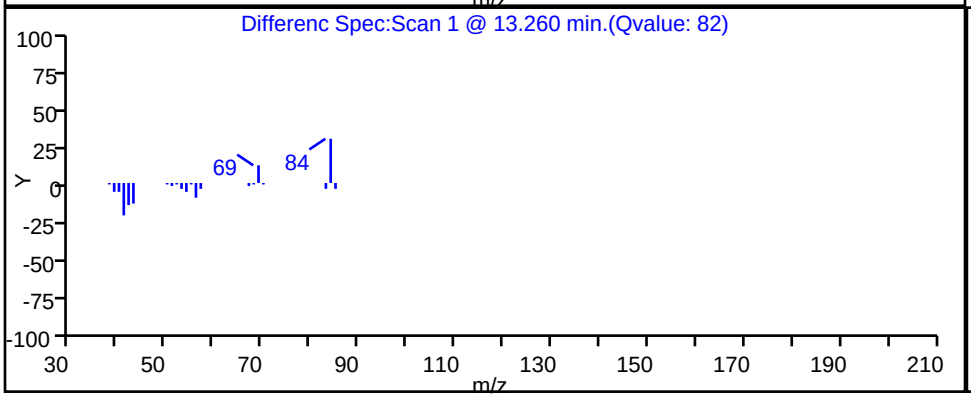


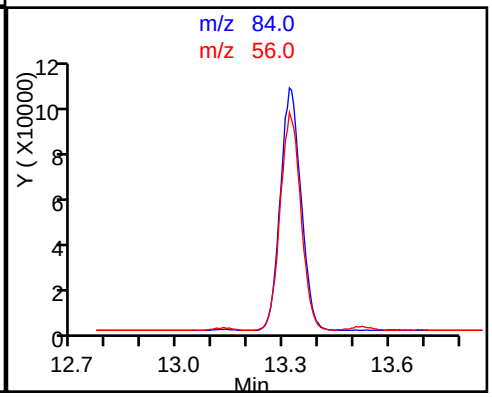












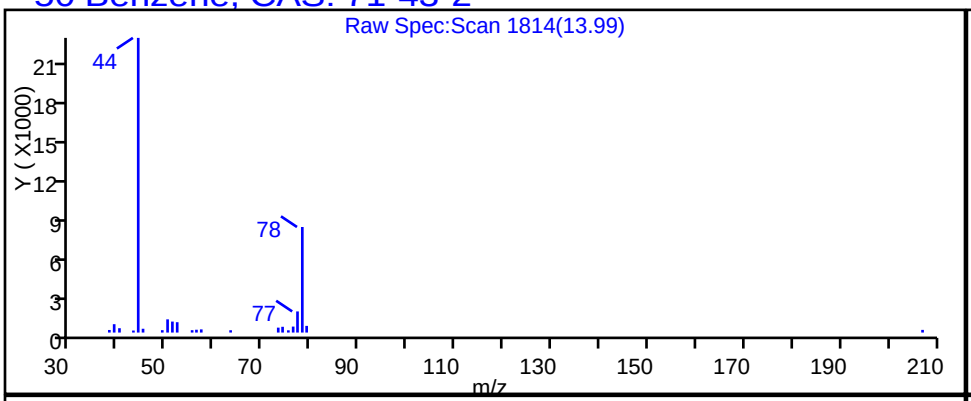
Report Date: 25-Feb-2014 09:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

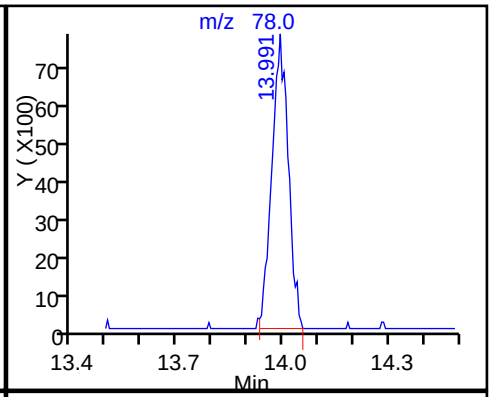
TestAmerica Burlington

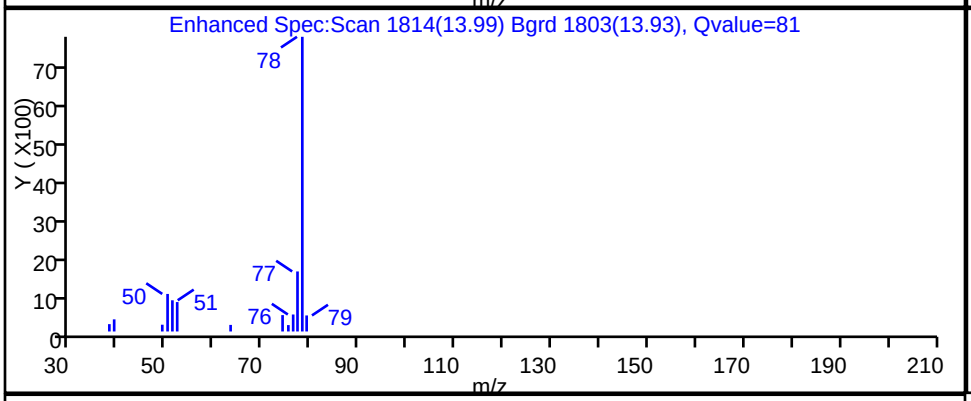
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

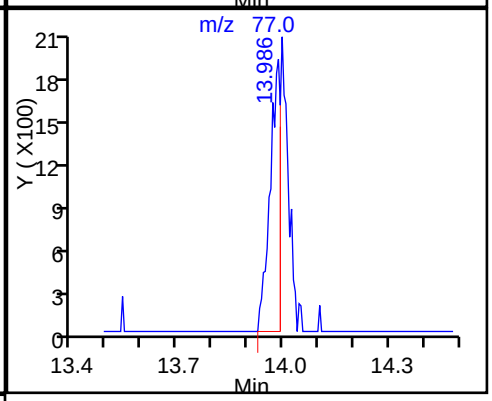
Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

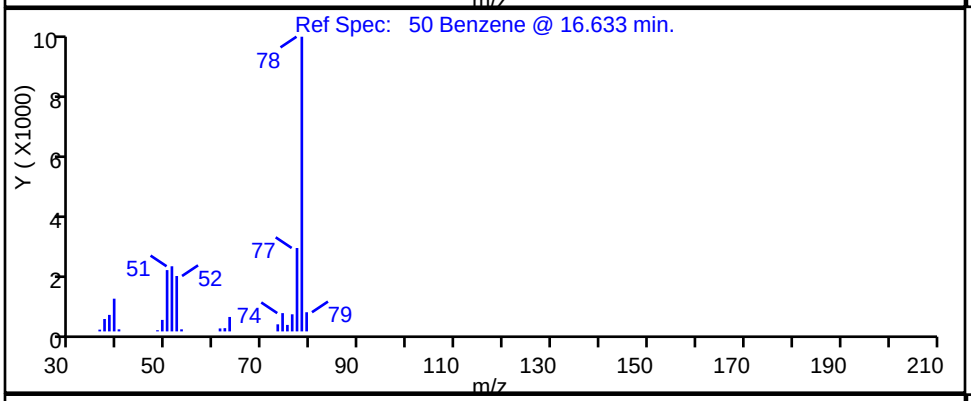
50 Benzene, CAS: 71-43-2

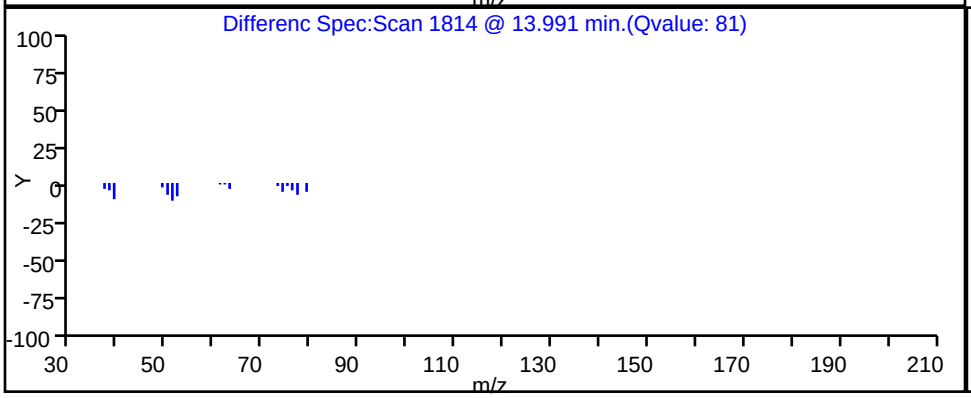


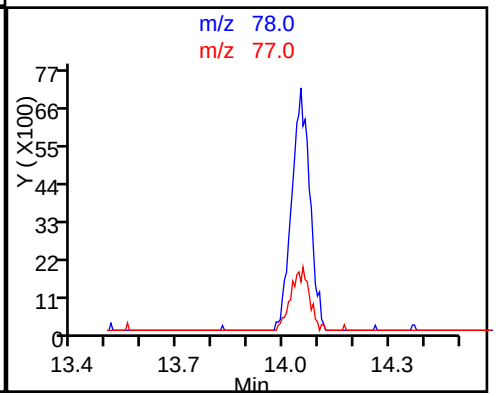












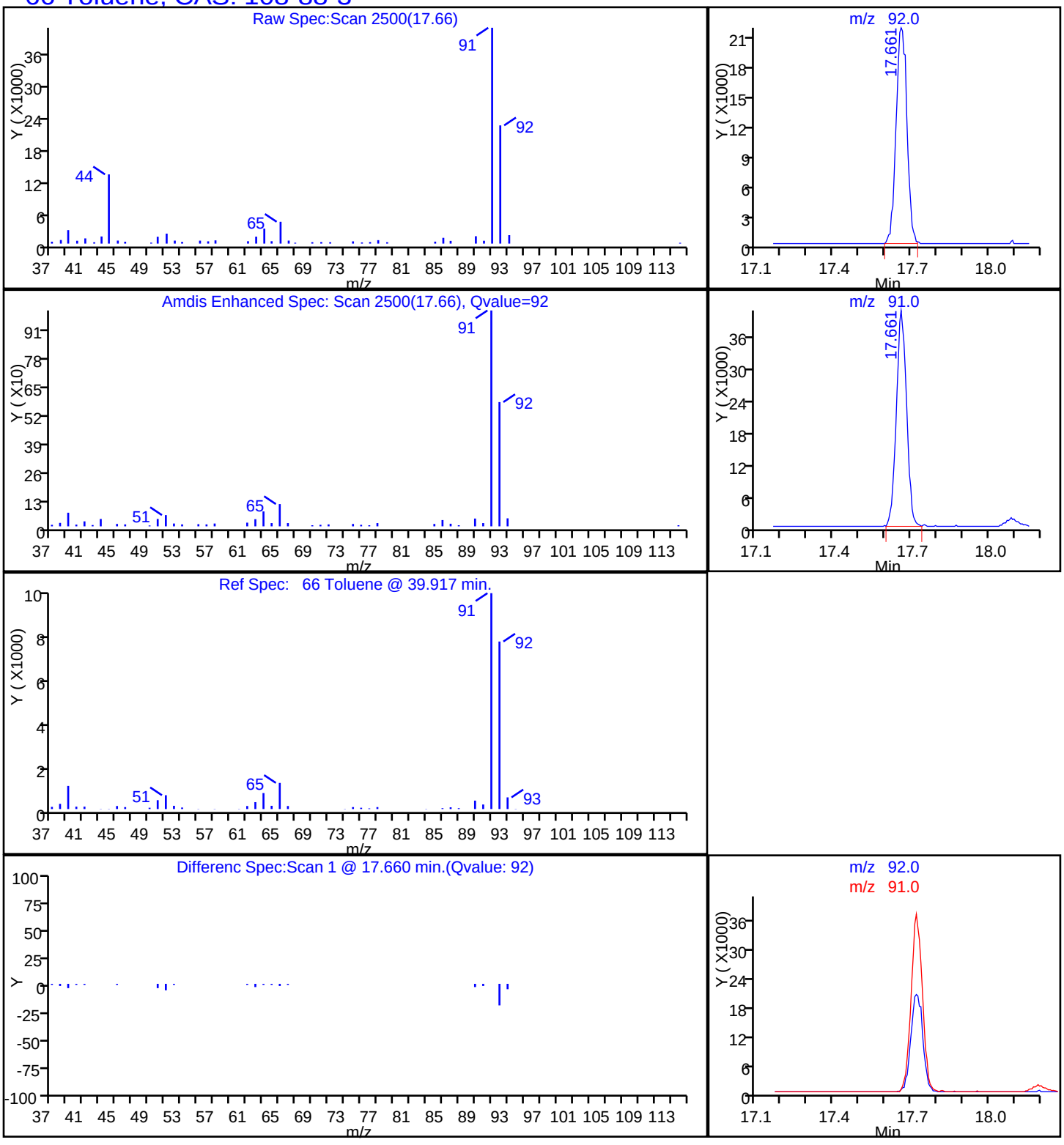
Report Date: 25-Feb-2014 09:48:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



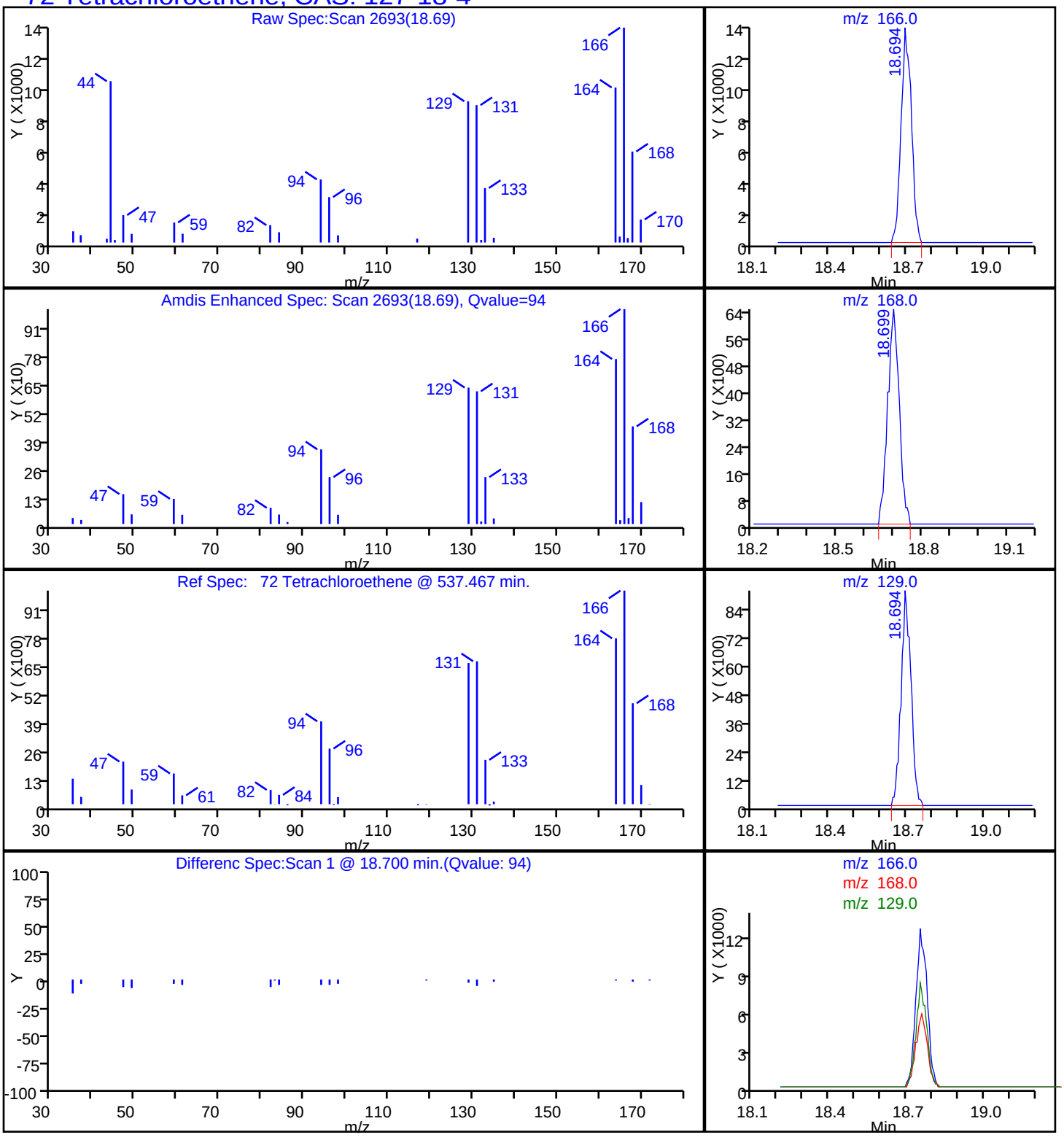
Report Date: 25-Feb-2014 09:48:29 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



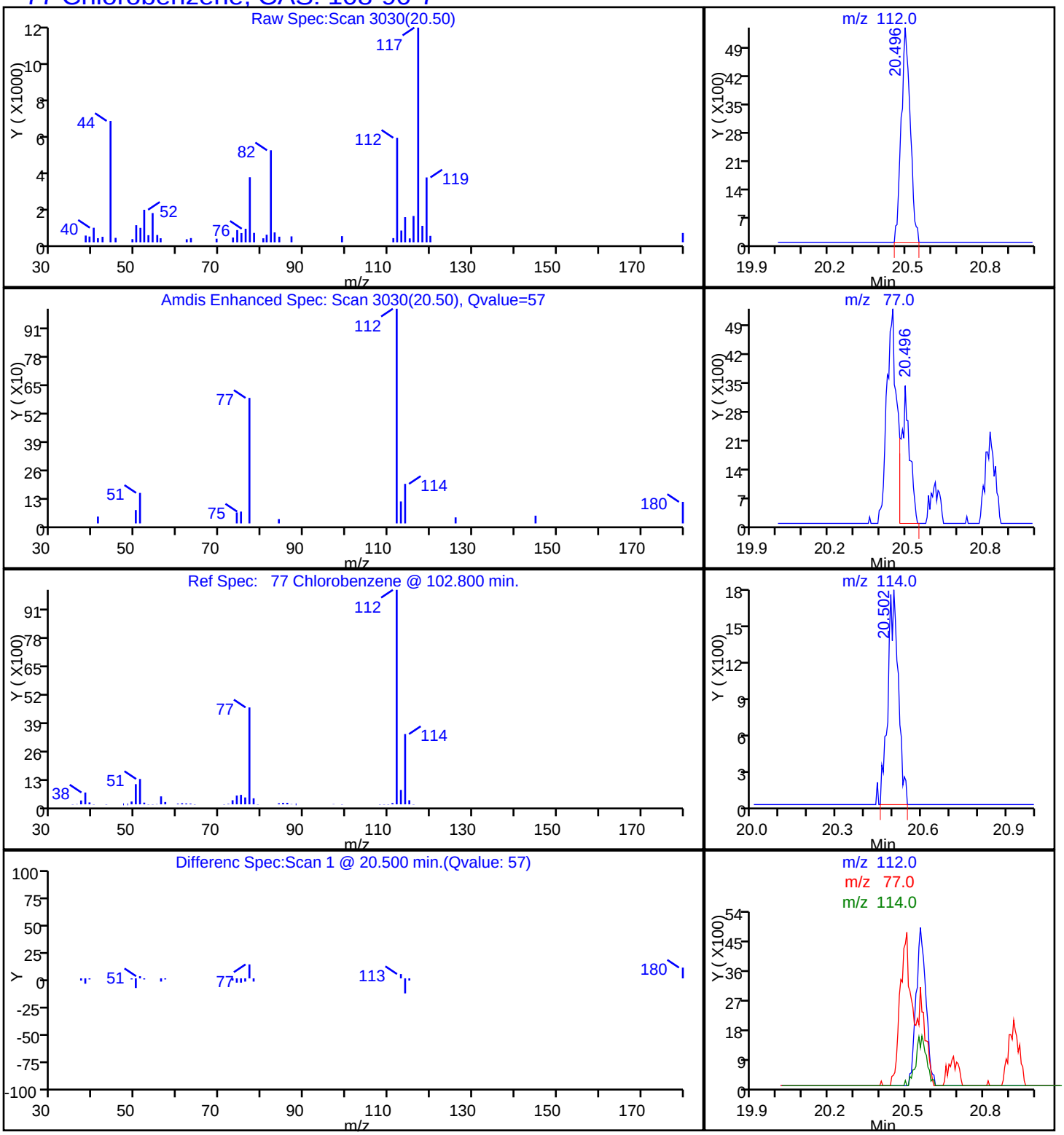
Report Date: 25-Feb-2014 09:48:29 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

77 Chlorobenzene, CAS: 108-90-7



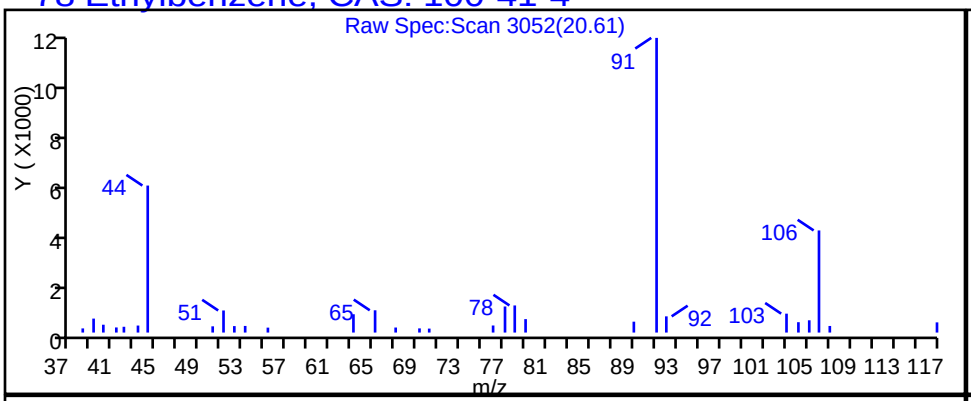
Report Date: 25-Feb-2014 09:48:29 Chrom Revision: 2.2 06-Feb-2014 15:19:06

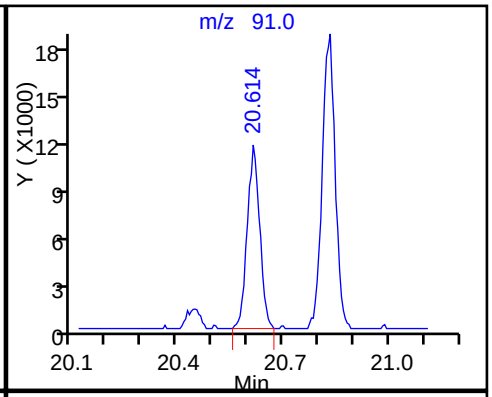
TestAmerica Burlington

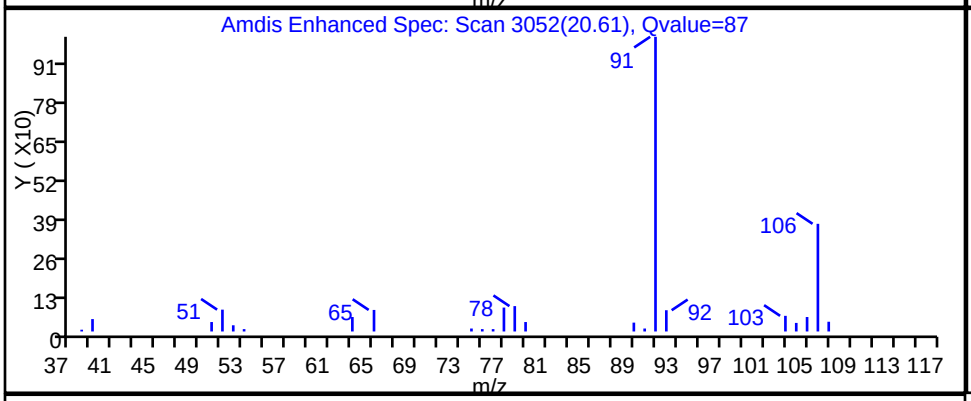
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

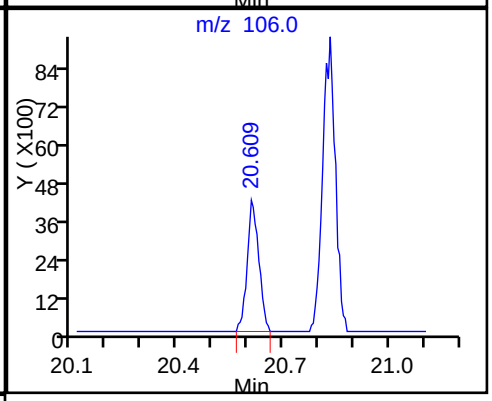
Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

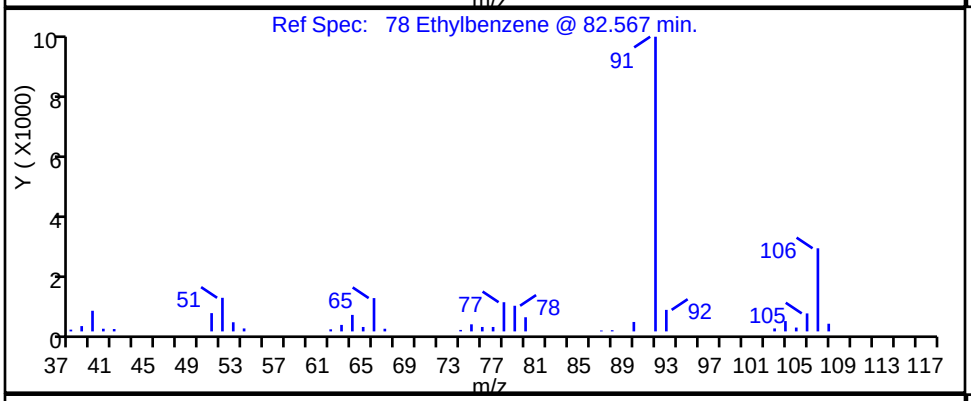
78 Ethylbenzene, CAS: 100-41-4

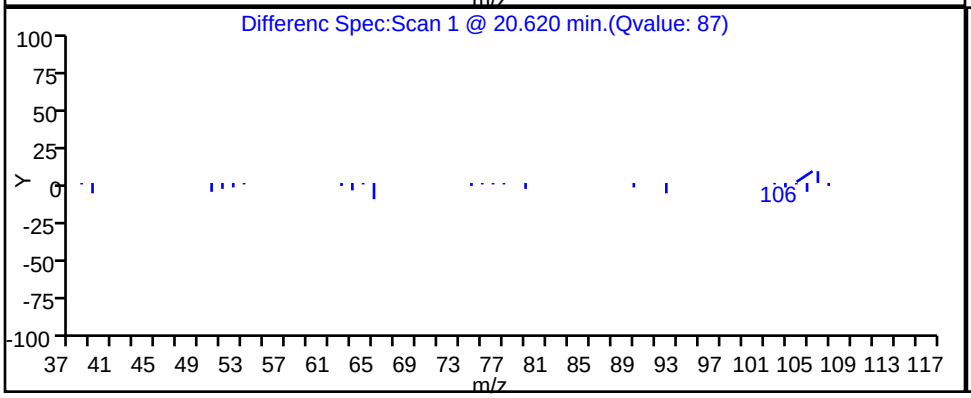


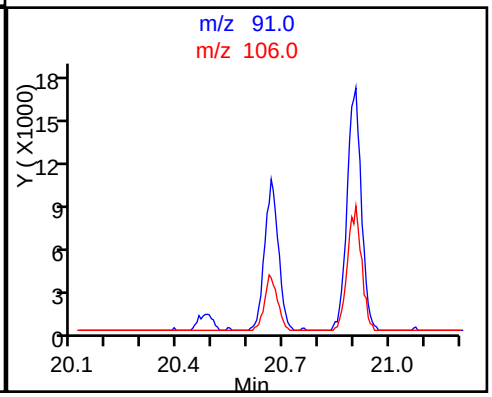












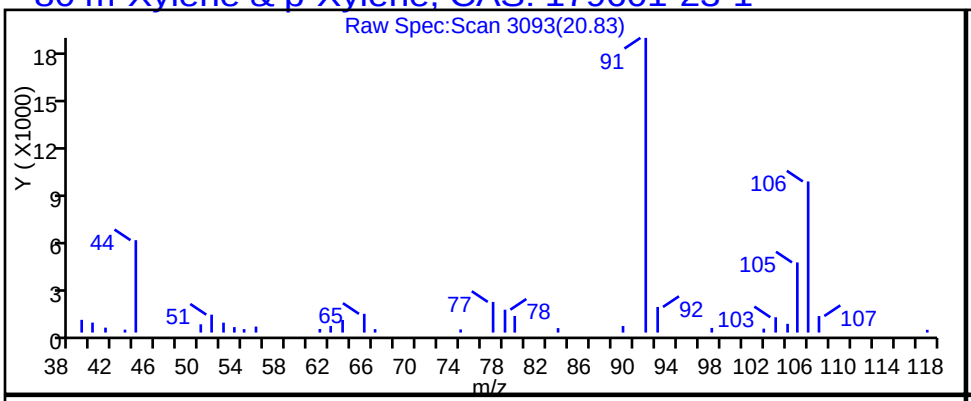
Report Date: 25-Feb-2014 09:48:29 Chrom Revision: 2.2 06-Feb-2014 15:19:06

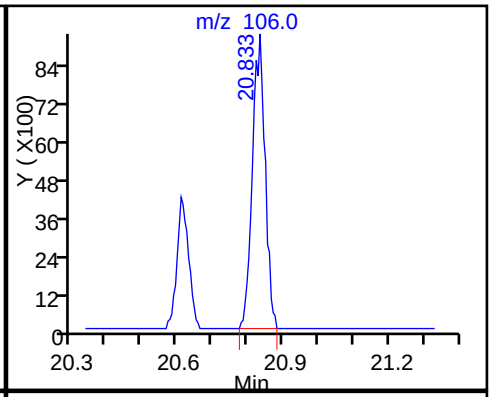
TestAmerica Burlington

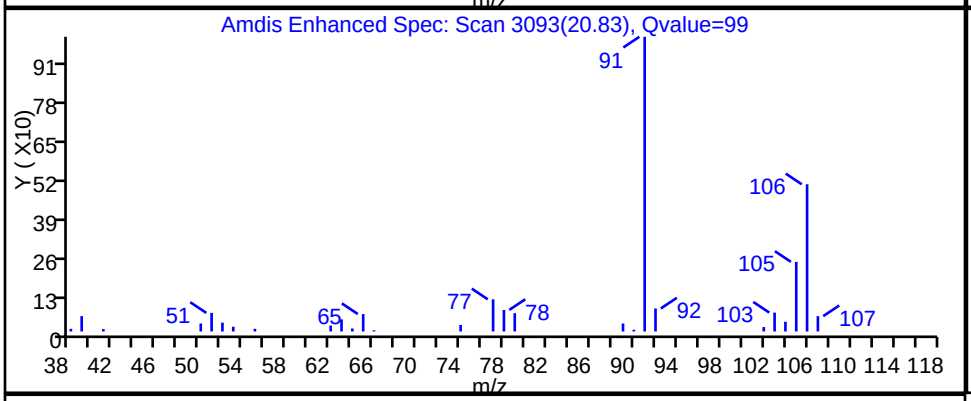
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

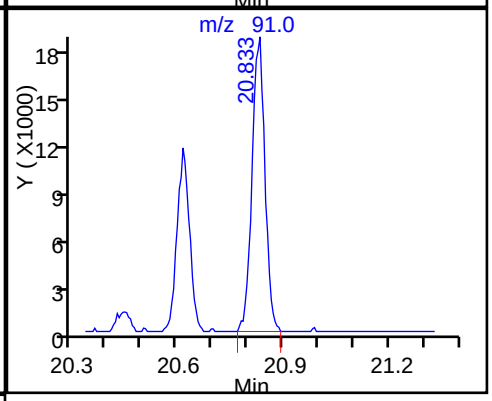
Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

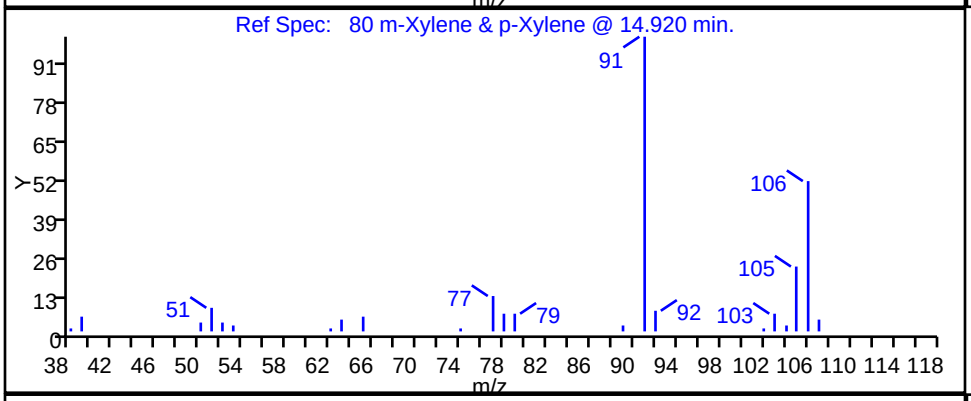
80 m-Xylene & p-Xylene, CAS: 179601-23-1

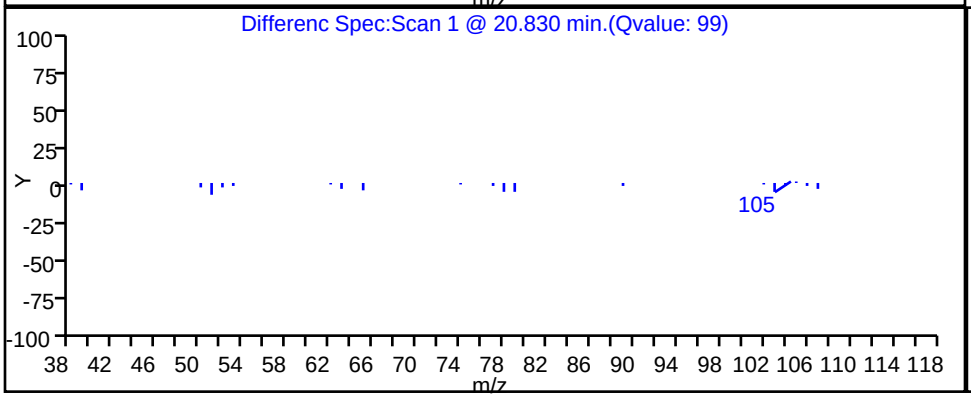


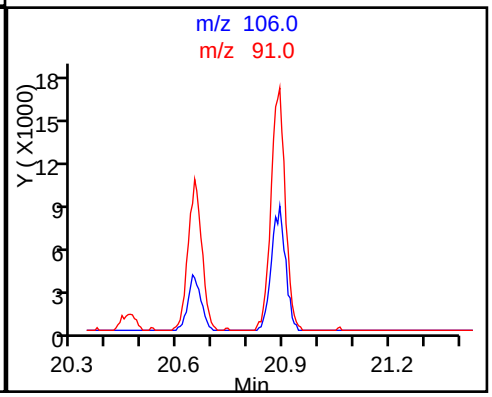












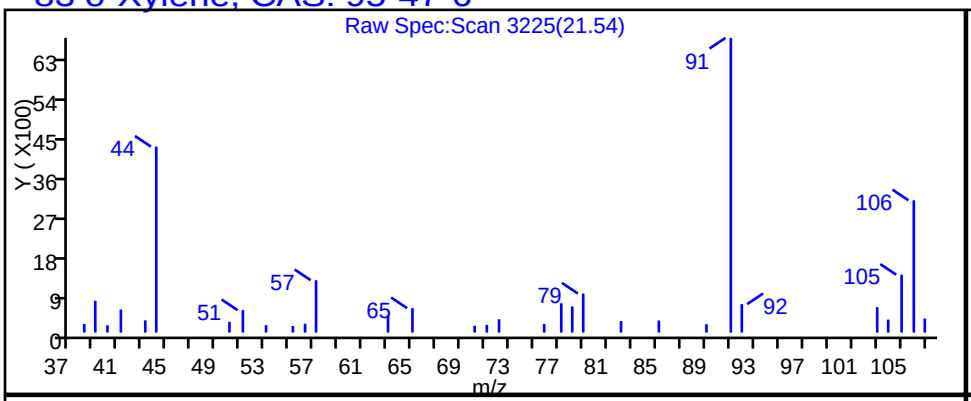
Report Date: 25-Feb-2014 09:48:29 Chrom Revision: 2.2 06-Feb-2014 15:19:06

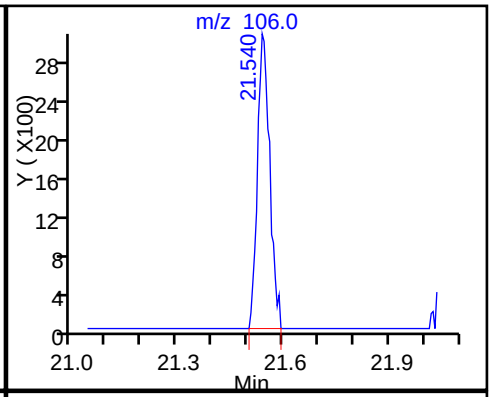
TestAmerica Burlington

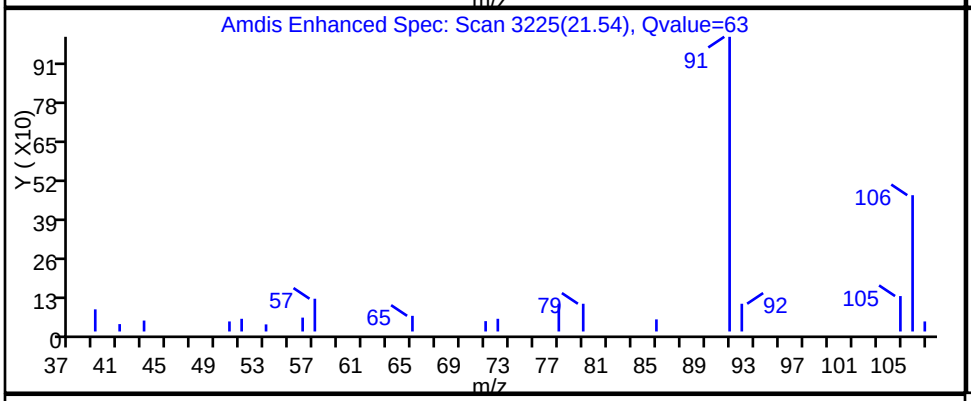
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

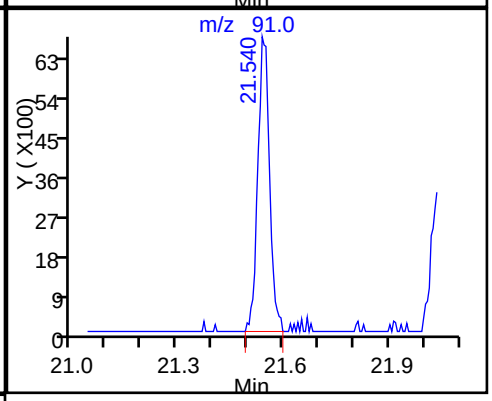
Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

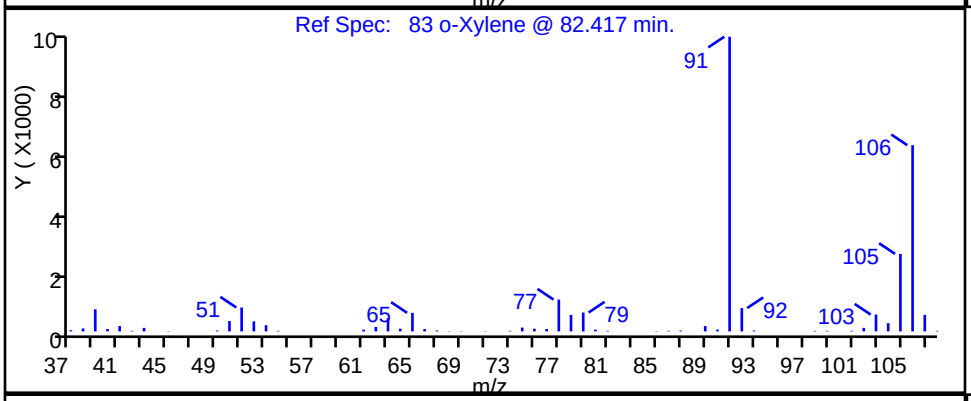
83 o-Xylene, CAS: 95-47-6

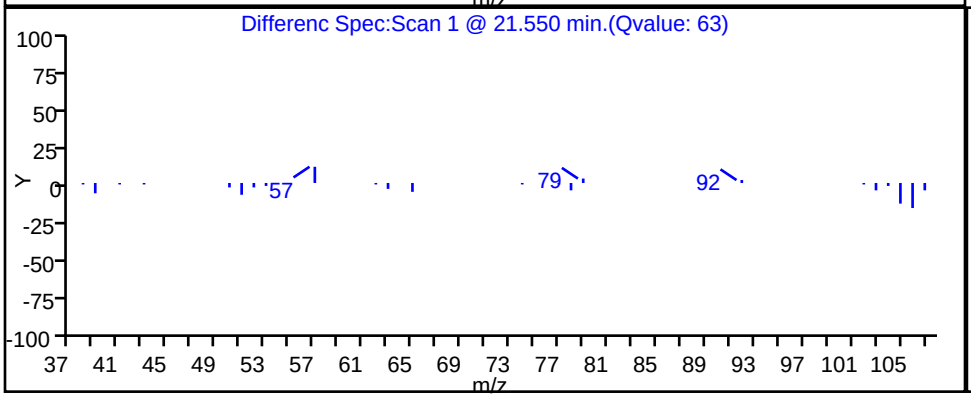


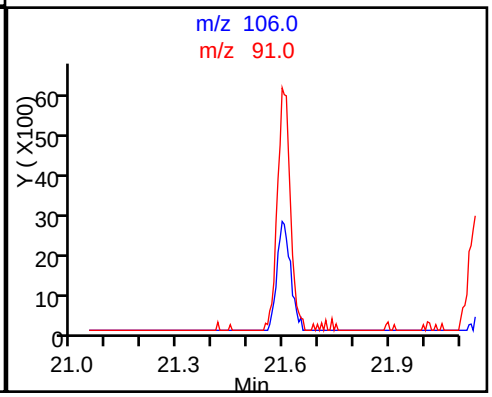












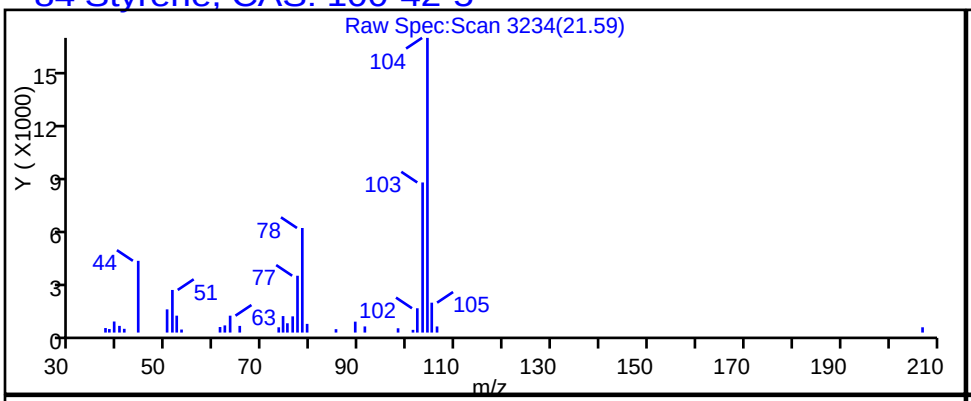
Report Date: 25-Feb-2014 09:48:29 Chrom Revision: 2.2 06-Feb-2014 15:19:06

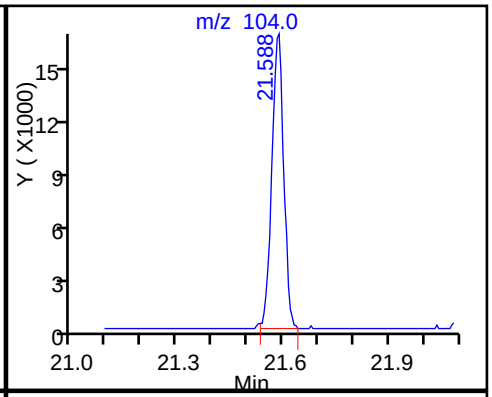
TestAmerica Burlington

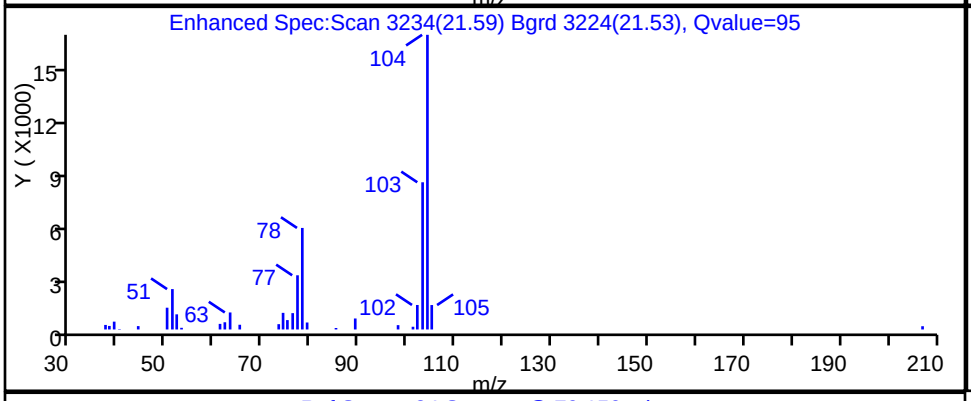
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

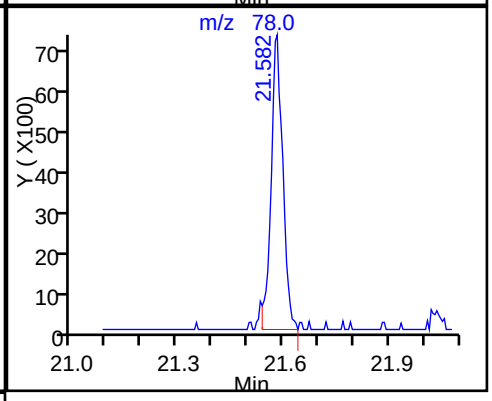
Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

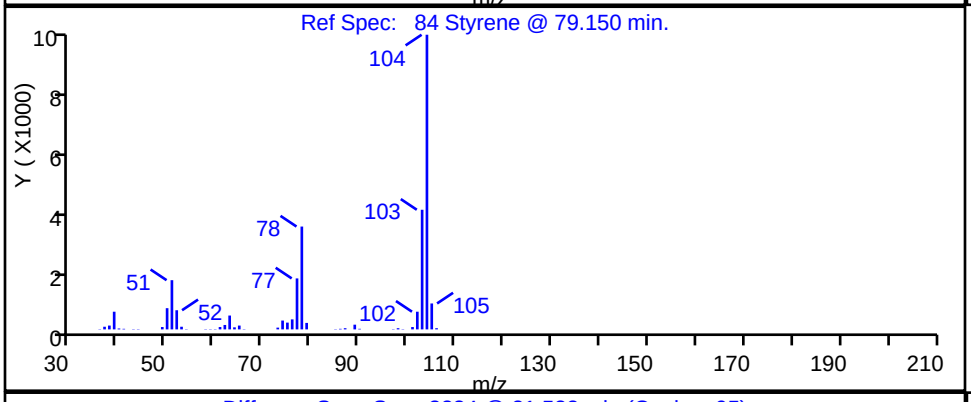
84 Styrene, CAS: 100-42-5

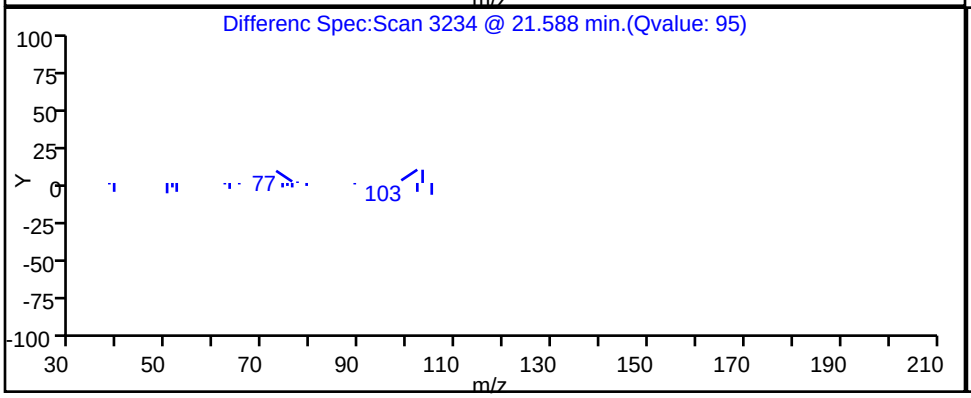


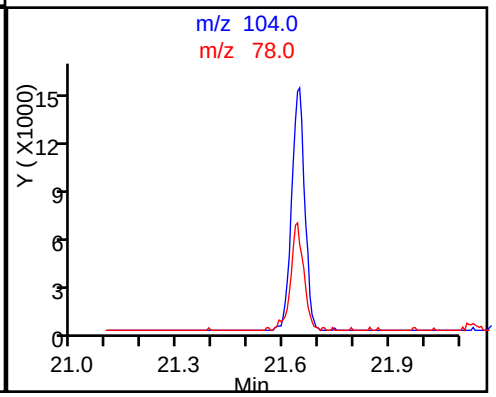












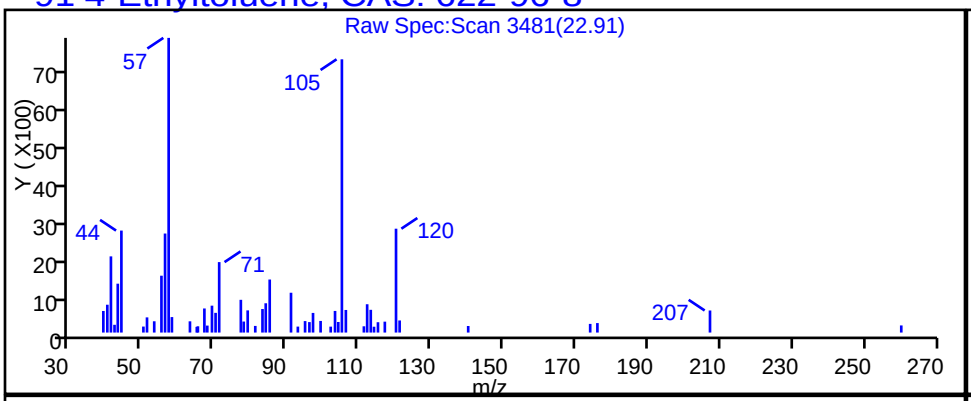
Report Date: 25-Feb-2014 09:48:29 Chrom Revision: 2.2 06-Feb-2014 15:19:06

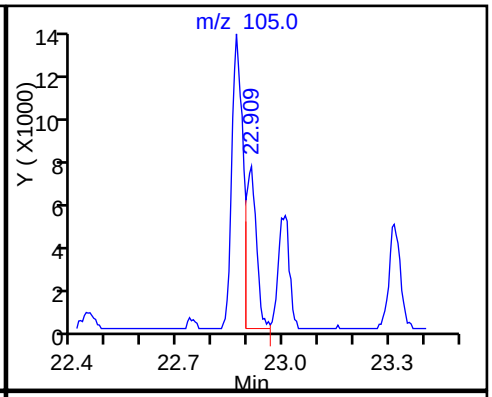
TestAmerica Burlington

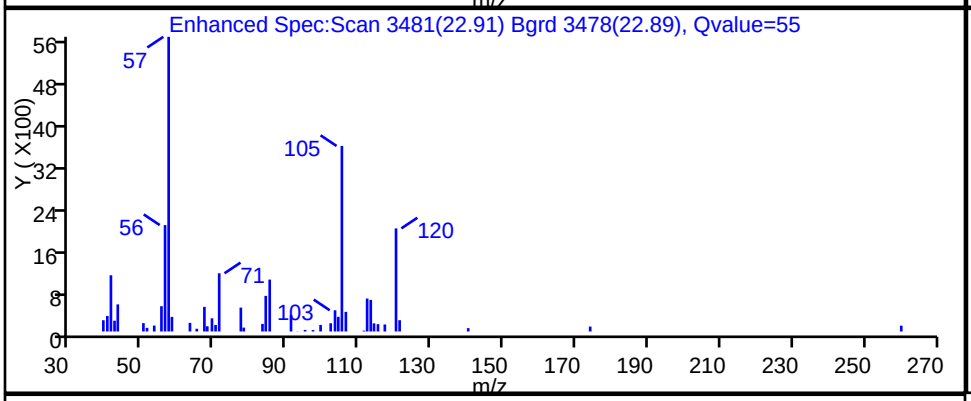
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

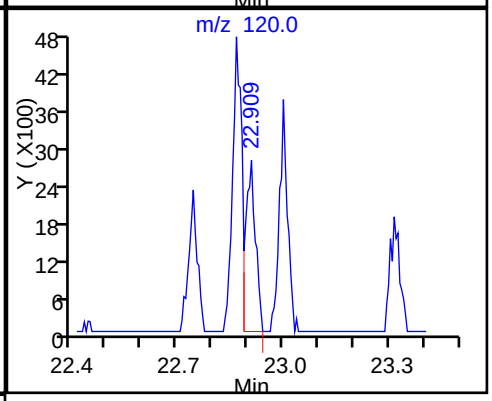
Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

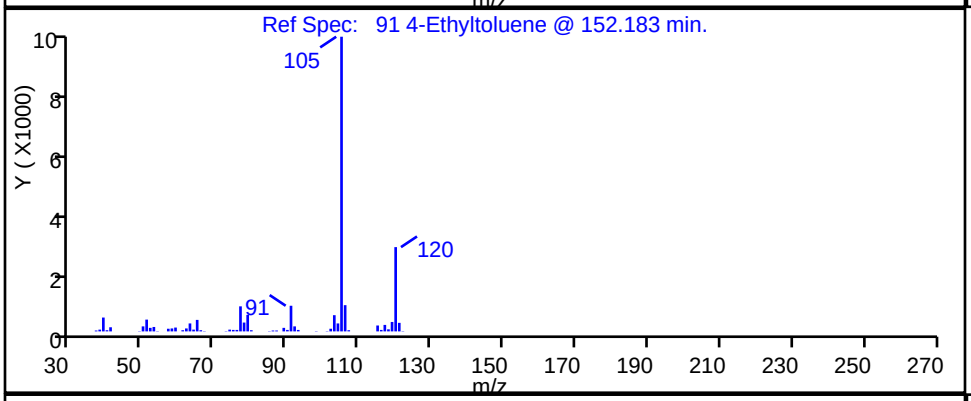
91 4-Ethyltoluene, CAS: 622-96-8

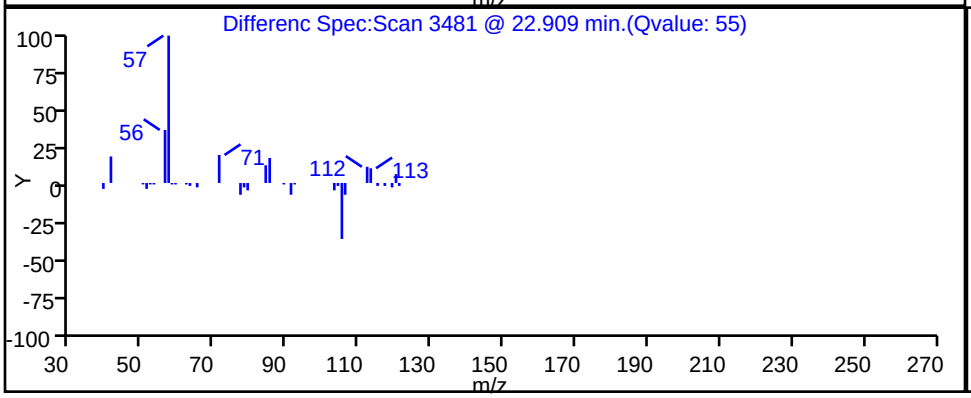


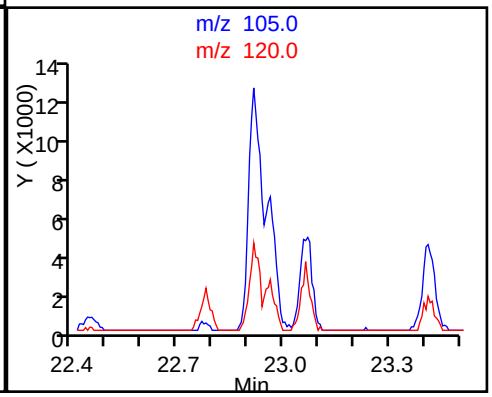












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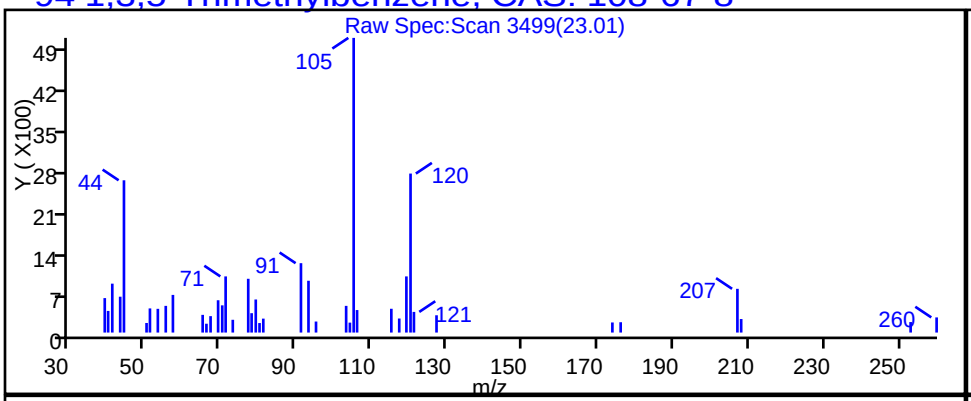
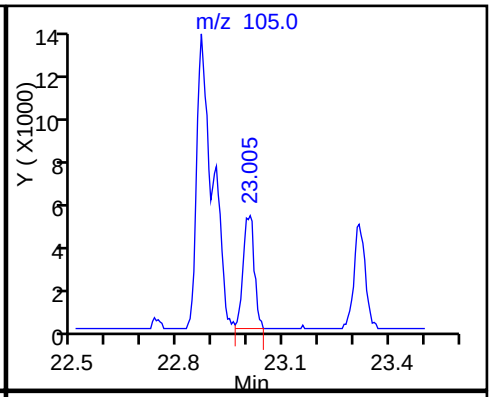
TestAmerica Burlington

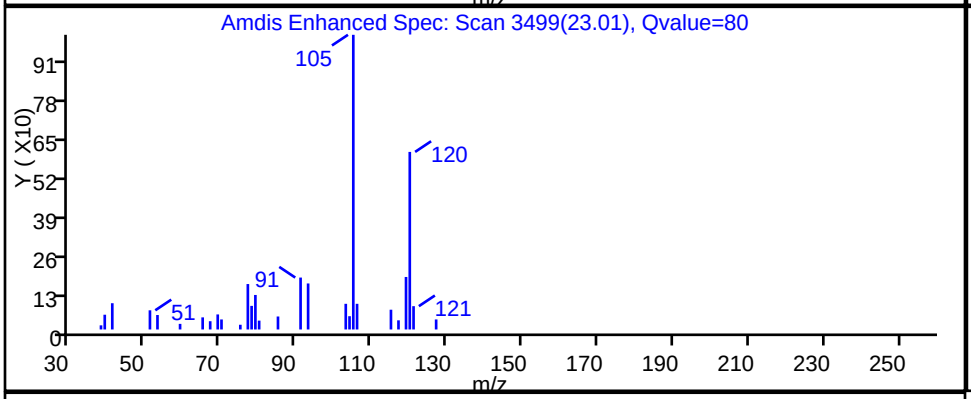
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

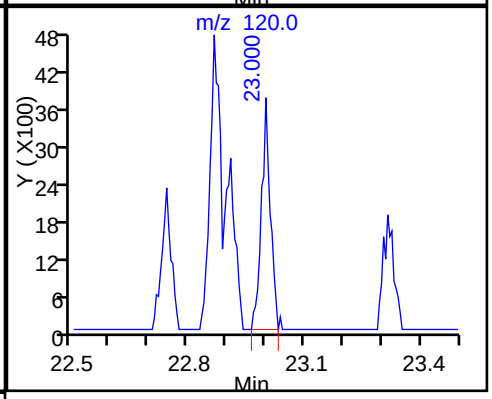
Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

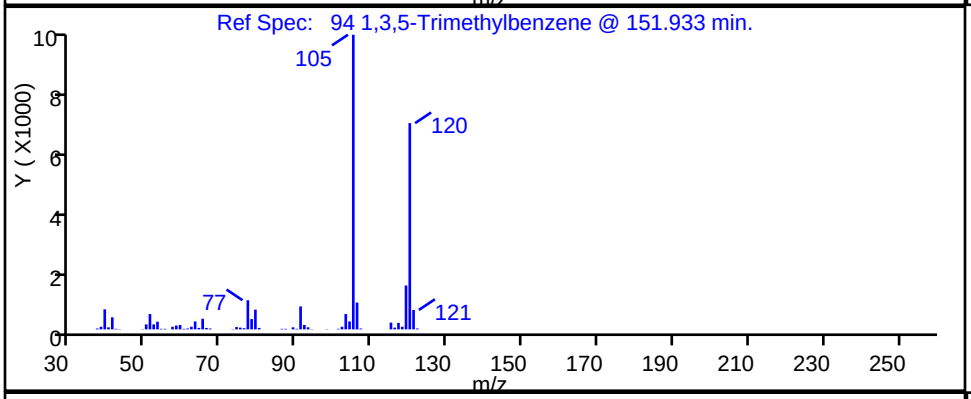
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

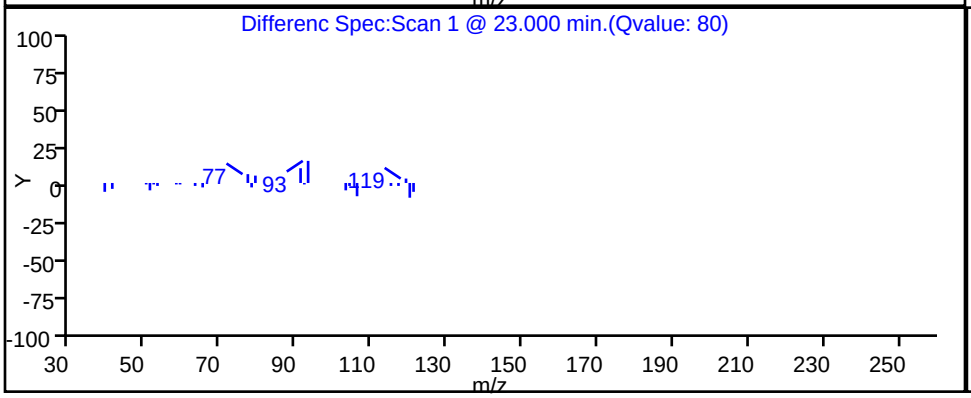


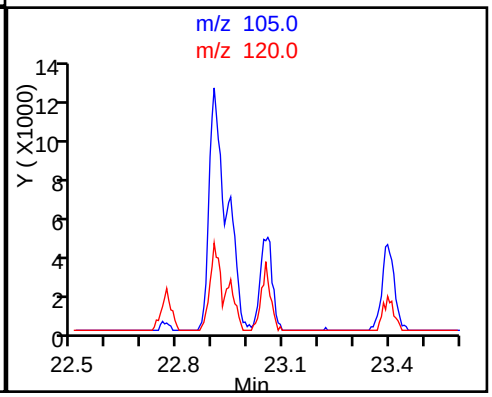












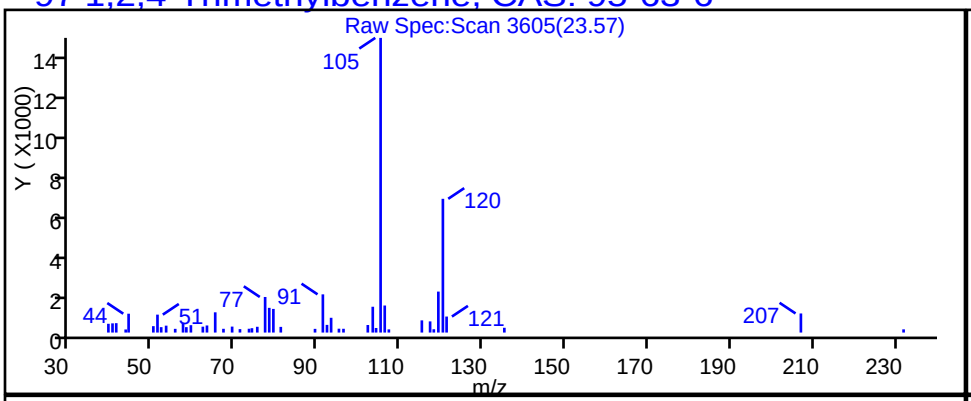
Report Date: 25-Feb-2014 09:48:29 Chrom Revision: 2.2 06-Feb-2014 15:19:06

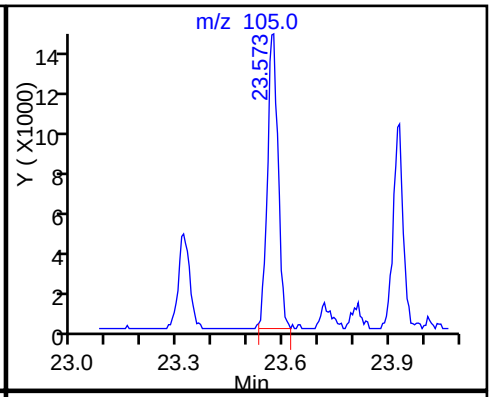
TestAmerica Burlington

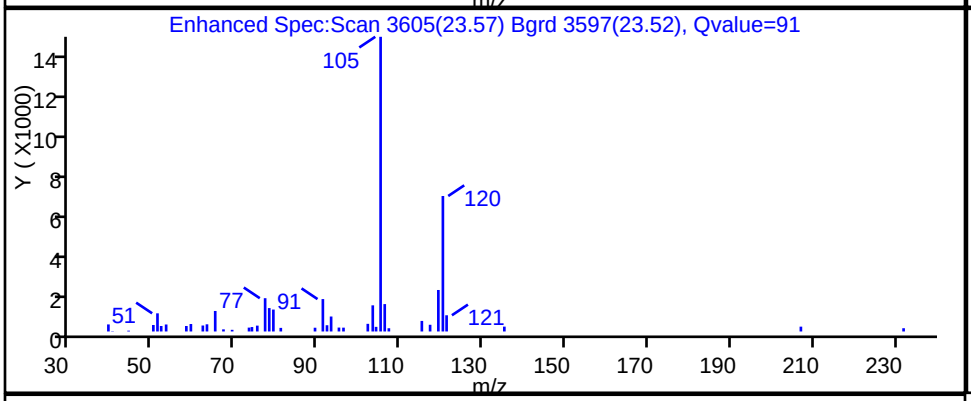
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

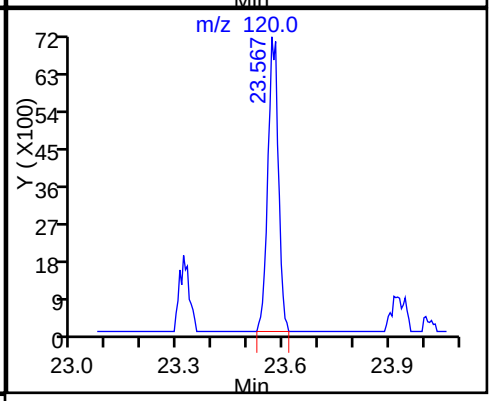
Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

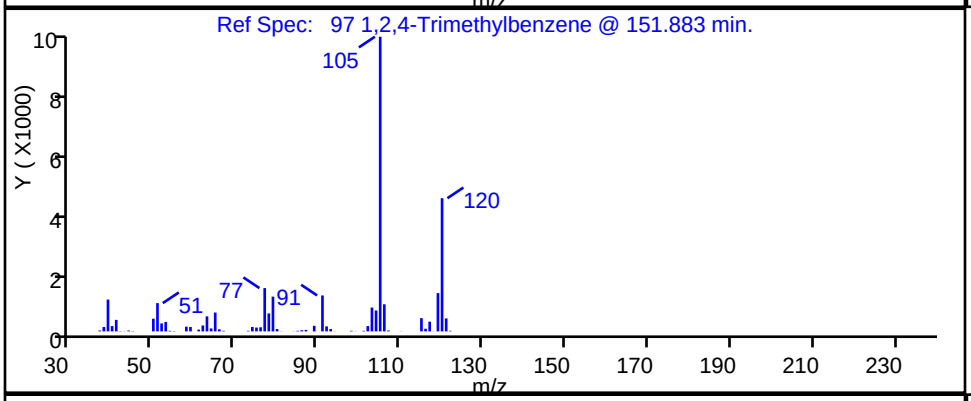
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

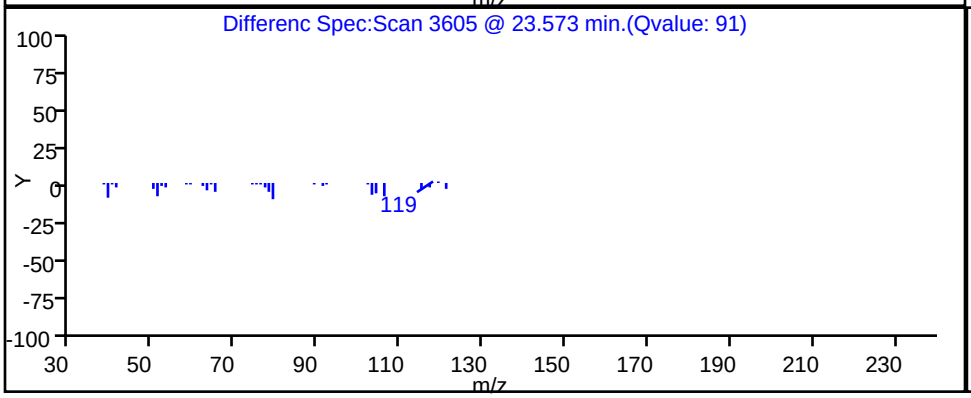


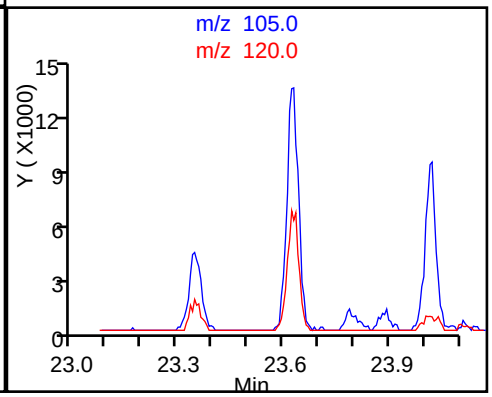












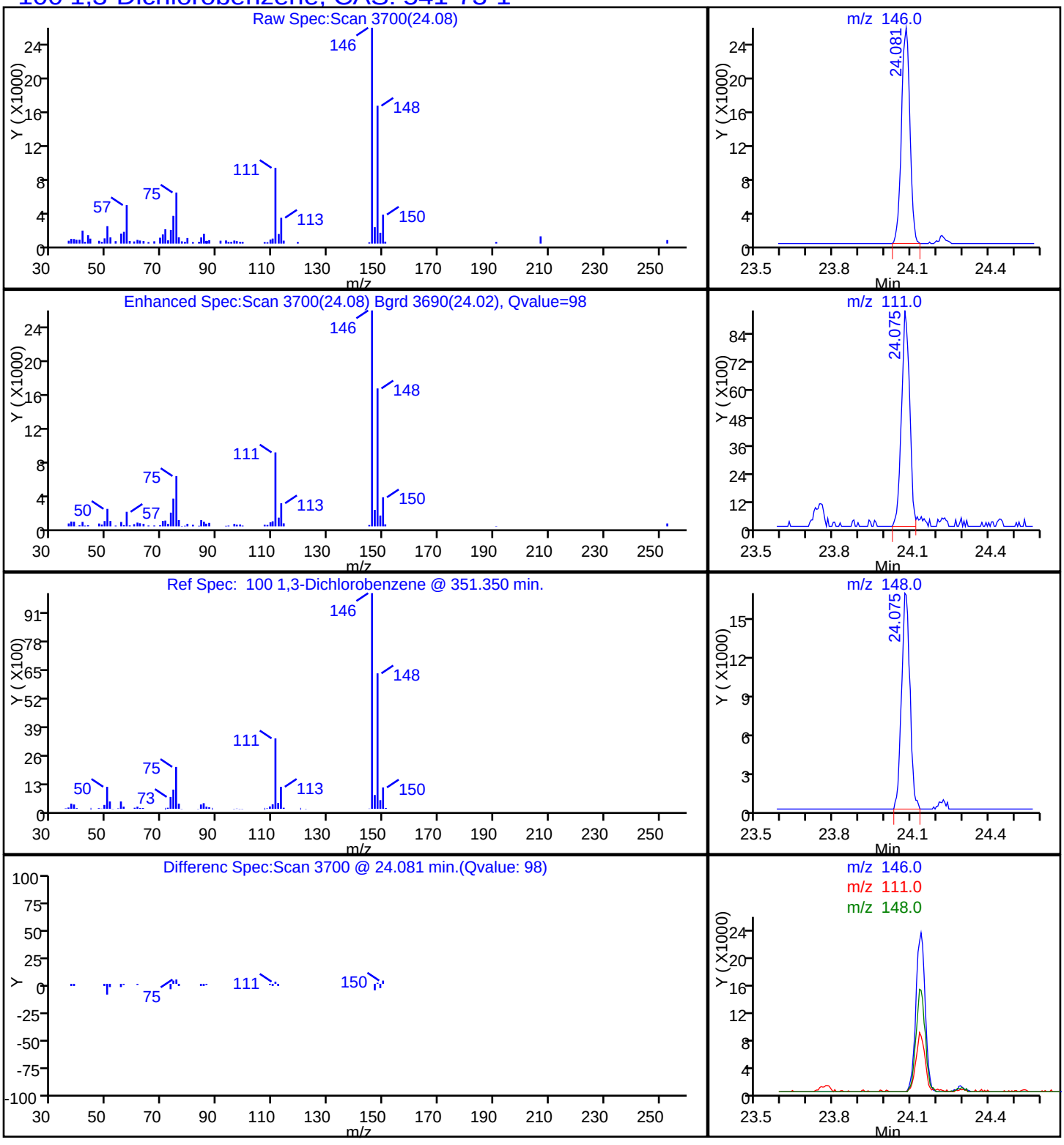
Report Date: 25-Feb-2014 09:48:29 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_011.d

Injection Date:	24-Feb-2014 20:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-22	Lab Sample ID:	200-20955-22		
Client ID:	SS-VMP-4				
Operator ID:	bl	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-5A Lab Sample ID: 200-20955-24

Matrix: Air Lab File ID: 6282_013.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:55

Sample wt/vol: 35(mL) Date Analyzed: 02/24/2014 21:40

Soil Aliquot Vol: Dilution Factor: 5.71

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.9	U	2.9	0.17
75-45-6	Freon 22	86.47	2.4	J	2.9	0.27
76-14-2	Freon-114	170.92	1.1	U	1.1	0.20
74-87-3	Chloromethane	50.49	2.9	U	2.9	0.78
106-97-8	n-Butane	58.12	2.9	U	2.9	1.6
75-01-4	Vinyl chloride	62.50	0.23	U	0.23	0.22
106-99-0	1,3-Butadiene	54.09	1.1	U	1.1	0.24
74-83-9	Bromomethane	94.94	1.1	U	1.1	0.16
75-00-3	Chloroethane	64.52	2.9	U	2.9	0.17
593-60-2	Vinyl bromide	106.96	1.1	U	1.1	0.17
75-69-4	Freon 11	137.37	1.1	U	1.1	0.17
76-13-1	Freon 113	187.38	3.1		1.1	0.10
75-35-4	1,1-Dichloroethene	96.94	1.1	U	1.1	0.14
67-64-1	Acetone	58.08	26	J	29	7.1
67-63-0	Isopropyl alcohol	60.10	510	E	29	1.2
75-15-0	Carbon disulfide	76.14	1.4	J	2.9	0.38
107-05-1	Allyl chloride	76.53	2.9	U	2.9	0.19
75-09-2	Methylene Chloride	84.93	100		2.9	0.71
75-65-0	tert-Butyl alcohol	74.12	29	U	29	1.9
1634-04-4	Methyl tert-butyl ether	88.15	1.1	U	1.1	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	1.1	U	1.1	0.17
110-54-3	Hexane	86.17	0.70	J	1.1	0.19
75-34-3	1,1-Dichloroethane	98.96	0.98	J	1.1	0.22
78-93-3	Methyl Ethyl Ketone	72.11	18		2.9	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	1.1	U	1.1	0.22
540-59-0	1,2-Dichloroethene, Total	96.94	1.1	U	1.1	0.37
67-66-3	Chloroform	119.38	10		1.1	0.14
109-99-9	Tetrahydrofuran	72.11	29	U	29	0.26
71-55-6	1,1,1-Trichloroethane	133.41	2.2		1.1	0.12
110-82-7	Cyclohexane	84.16	0.97	J	1.1	0.14
56-23-5	Carbon tetrachloride	153.81	0.23	U	0.23	0.12
540-84-1	2,2,4-Trimethylpentane	114.23	0.60	J	1.1	0.15
71-43-2	Benzene	78.11	0.36	J	1.1	0.11
107-06-2	1,2-Dichloroethane	98.96	1.1	U	1.1	0.097
142-82-5	Heptane	100.21	1.1	U	1.1	0.26

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-5A Lab Sample ID: 200-20955-24

Matrix: Air Lab File ID: 6282_013.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:55

Sample wt/vol: 35(mL) Date Analyzed: 02/24/2014 21:40

Soil Aliquot Vol: Dilution Factor: 5.71

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	4.8		0.23	0.14
80-62-6	Methyl methacrylate	100.12	2.9	U	2.9	0.17
78-87-5	1,2-Dichloropropane	112.99	1.1	U	1.1	0.18
123-91-1	1,4-Dioxane	88.11	1.5	J	29	1.1
75-27-4	Bromodichloromethane	163.83	1.1	U	1.1	0.097
10061-01-5	cis-1,3-Dichloropropene	110.97	1.1	U	1.1	0.16
108-10-1	methyl isobutyl ketone	100.16	2.9	U	2.9	0.15
108-88-3	Toluene	92.14	1.6		1.1	0.097
10061-02-6	trans-1,3-Dichloropropene	110.97	1.1	U	1.1	0.13
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.097
127-18-4	Tetrachloroethene	165.83	2.3		1.1	0.091
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.9	U	2.9	1.1
124-48-1	Dibromochloromethane	208.29	1.1	U	1.1	0.11
106-93-4	1,2-Dibromoethane	187.87	1.1	U	1.1	0.11
108-90-7	Chlorobenzene	112.56	1.1	U	1.1	0.046
100-41-4	Ethylbenzene	106.17	0.17	J	1.1	0.074
179601-23-1	m,p-Xylene	106.17	2.9	U	2.9	0.13
95-47-6	Xylene, o-	106.17	1.1	U	1.1	0.091
1330-20-7	Xylene (total)	106.17	1.1	U	1.1	0.19
100-42-5	Styrene	104.15	1.1	U	1.1	0.10
75-25-2	Bromoform	252.75	1.1	U	1.1	0.057
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.1	U	1.1	0.091
103-65-1	n-Propylbenzene	120.19	1.1	U	1.1	0.46
622-96-8	4-Ethyltoluene	120.20	1.1	U	1.1	0.10
108-67-8	1,3,5-Trimethylbenzene	120.20	1.1	U	1.1	0.069
95-49-8	2-Chlorotoluene	126.59	1.1	U	1.1	0.074
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.097
95-63-6	1,2,4-Trimethylbenzene	120.20	0.19	J	1.1	0.080
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.46
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.46
541-73-1	1,3-Dichlorobenzene	147.00	0.62	J B	1.1	0.080
106-46-7	1,4-Dichlorobenzene	147.00	1.1	U	1.1	0.080
100-44-7	Benzyl chloride	126.58	1.1	U	1.1	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.46

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-5A Lab Sample ID: 200-20955-24

Matrix: Air Lab File ID: 6282_013.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:55

Sample wt/vol: 35(mL) Date Analyzed: 02/24/2014 21:40

Soil Aliquot Vol: Dilution Factor: 5.71

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.1	U	1.1	0.080
120-82-1	1,2,4-Trichlorobenzene	181.45	2.9	U	2.9	0.15
87-68-3	Hexachloro-1,3-butadiene	260.76	1.1	U	1.1	0.13
91-20-3	Naphthalene	128.17	2.9	U	2.9	1.1

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-5A Lab Sample ID: 200-20955-24

Matrix: Air Lab File ID: 6282_013.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:55

Sample wt/vol: 35(mL) Date Analyzed: 02/24/2014 21:40

Soil Aliquot Vol: Dilution Factor: 5.71

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	14	U	14	0.85
75-45-6	Freon 22	86.47	8.4	J	10	0.97
76-14-2	Freon-114	170.92	8.0	U	8.0	1.4
74-87-3	Chloromethane	50.49	5.9	U	5.9	1.6
106-97-8	n-Butane	58.12	6.8	U	6.8	3.8
75-01-4	Vinyl chloride	62.50	0.58	U	0.58	0.55
106-99-0	1,3-Butadiene	54.09	2.5	U	2.5	0.53
74-83-9	Bromomethane	94.94	4.4	U	4.4	0.62
75-00-3	Chloroethane	64.52	7.5	U	7.5	0.45
593-60-2	Vinyl bromide	106.96	5.0	U	5.0	0.75
75-69-4	Freon 11	137.37	6.4	U	6.4	0.96
76-13-1	Freon 113	187.38	24		8.8	0.79
75-35-4	1,1-Dichloroethene	96.94	4.5	U	4.5	0.54
67-64-1	Acetone	58.08	62	J	68	17
67-63-0	Isopropyl alcohol	60.10	1200	E	70	3.0
75-15-0	Carbon disulfide	76.14	4.3	J	8.9	1.2
107-05-1	Allyl chloride	76.53	8.9	U	8.9	0.61
75-09-2	Methylene Chloride	84.93	350		9.9	2.5
75-65-0	tert-Butyl alcohol	74.12	87	U	87	5.7
1634-04-4	Methyl tert-butyl ether	88.15	4.1	U	4.1	0.45
156-60-5	trans-1,2-Dichloroethene	96.94	4.5	U	4.5	0.66
110-54-3	Hexane	86.17	2.5	J	4.0	0.68
75-34-3	1,1-Dichloroethane	98.96	4.0	J	4.6	0.88
78-93-3	Methyl Ethyl Ketone	72.11	54		8.4	4.1
156-59-2	cis-1,2-Dichloroethene	96.94	4.5	U	4.5	0.86
540-59-0	1,2-Dichloroethene, Total	96.94	4.5	U	4.5	1.4
67-66-3	Chloroform	119.38	51		5.6	0.70
109-99-9	Tetrahydrofuran	72.11	84	U	84	0.77
71-55-6	1,1,1-Trichloroethane	133.41	12		6.2	0.65
110-82-7	Cyclohexane	84.16	3.3	J	3.9	0.49
56-23-5	Carbon tetrachloride	153.81	1.4	U	1.4	0.75
540-84-1	2,2,4-Trimethylpentane	114.23	2.8	J	5.3	0.72
71-43-2	Benzene	78.11	1.2	J	3.6	0.35
107-06-2	1,2-Dichloroethane	98.96	4.6	U	4.6	0.39
142-82-5	Heptane	100.21	4.7	U	4.7	1.1

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-5A Lab Sample ID: 200-20955-24

Matrix: Air Lab File ID: 6282_013.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:55

Sample wt/vol: 35(mL) Date Analyzed: 02/24/2014 21:40

Soil Aliquot Vol: Dilution Factor: 5.71

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	26		1.2	0.74
80-62-6	Methyl methacrylate	100.12	12	U	12	0.70
78-87-5	1,2-Dichloropropane	112.99	5.3	U	5.3	0.84
123-91-1	1,4-Dioxane	88.11	5.5	J	100	4.1
75-27-4	Bromodichloromethane	163.83	7.7	U	7.7	0.65
10061-01-5	cis-1,3-Dichloropropene	110.97	5.2	U	5.2	0.73
108-10-1	methyl isobutyl ketone	100.16	12	U	12	0.63
108-88-3	Toluene	92.14	5.9		4.3	0.37
10061-02-6	trans-1,3-Dichloropropene	110.97	5.2	U	5.2	0.57
79-00-5	1,1,2-Trichloroethane	133.41	6.2	U	6.2	0.53
127-18-4	Tetrachloroethene	165.83	16		7.7	0.62
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	12	U	12	4.7
124-48-1	Dibromochloromethane	208.29	9.7	U	9.7	0.97
106-93-4	1,2-Dibromoethane	187.87	8.8	U	8.8	0.88
108-90-7	Chlorobenzene	112.56	5.3	U	5.3	0.21
100-41-4	Ethylbenzene	106.17	0.75	J	5.0	0.32
179601-23-1	m,p-Xylene	106.17	12	U	12	0.57
95-47-6	Xylene, o-	106.17	5.0	U	5.0	0.40
1330-20-7	Xylene (total)	106.17	5.0	U	5.0	0.84
100-42-5	Styrene	104.15	4.9	U	4.9	0.44
75-25-2	Bromoform	252.75	12	U	12	0.59
79-34-5	1,1,2,2-Tetrachloroethane	167.85	7.8	U	7.8	0.63
103-65-1	n-Propylbenzene	120.19	5.6	U	5.6	2.2
622-96-8	4-Ethyltoluene	120.20	5.6	U	5.6	0.51
108-67-8	1,3,5-Trimethylbenzene	120.20	5.6	U	5.6	0.34
95-49-8	2-Chlorotoluene	126.59	5.9	U	5.9	0.38
98-06-6	tert-Butylbenzene	134.22	6.3	U	6.3	0.53
95-63-6	1,2,4-Trimethylbenzene	120.20	0.94	J	5.6	0.39
135-98-8	sec-Butylbenzene	134.22	6.3	U	6.3	2.5
99-87-6	4-Isopropyltoluene	134.22	6.3	U	6.3	2.5
541-73-1	1,3-Dichlorobenzene	147.00	3.8	J B	6.9	0.48
106-46-7	1,4-Dichlorobenzene	147.00	6.9	U	6.9	0.48
100-44-7	Benzyl chloride	126.58	5.9	U	5.9	2.4
104-51-8	n-Butylbenzene	134.22	6.3	U	6.3	2.5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-5A Lab Sample ID: 200-20955-24

Matrix: Air Lab File ID: 6282_013.d

Analysis Method: TO-15 Date Collected: 02/12/2014 16:55

Sample wt/vol: 35(mL) Date Analyzed: 02/24/2014 21:40

Soil Aliquot Vol: Dilution Factor: 5.71

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	6.9	U	6.9	0.48
120-82-1	1,2,4-Trichlorobenzene	181.45	21	U	21	1.1
87-68-3	Hexachloro-1,3-butadiene	260.76	12	U	12	1.3
91-20-3	Naphthalene	128.17	15	U	15	6.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d
Lims ID: 200-20955-A-24 Lab Sample ID: 200-20955-24
Client ID: SS-VMP-5A
Sample Type: Client
Inject. Date: 24-Feb-2014 21:40:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 5.7100
Sample Info: 200-0006282-013
Misc. Info.: 200-20955-a-24@7.51 35ml
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 09:48:16 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 25-Feb-2014 09:20:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		4.463					
6 Chlorodifluoromethane	51	4.528	4.528	0.0	70	28306	0.4144	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.816					
8 Chloromethane	50		5.009					
9 Butane	43		5.276					
10 Vinyl chloride	62		5.335					
11 Butadiene	54		5.432					
12 Bromomethane	94		6.298					
14 Chloroethane	64		6.587					
16 Vinyl bromide	106		7.063					
17 Trichlorofluoromethane	101		7.181					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.476	8.433	0.043	91	69144	0.5466	
24 1,1-Dichloroethene	96		8.508					
25 Acetone	43	8.786	8.743	0.043	87	259893	4.54	
26 Carbon disulfide	76	9.011	8.995	0.016	59	30332	0.2417	
27 Isopropyl alcohol	45	9.096	9.027	0.069	97	4248073	88.6	E
29 3-Chloro-1-propene	41		9.401					
31 Methylene Chloride	49	9.749	9.727	0.022	79	708356	17.8	
32 2-Methyl-2-propanol	59		9.904					
33 Methyl tert-butyl ether	73		10.155					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.230					
36 Hexane	57	10.658	10.648	0.010	64	6803	0.1233	
37 1,1-Dichloroethane	63	11.209	11.193	0.016	77	15169	0.1716	
39 cis-1,2-Dichloroethene	96		12.370					
40 2-Butanone (MEK)	72	12.408	12.386	0.022	97	77946	3.22	
44 Tetrahydrofuran	42		12.846					
* 43 Chlorobromomethane	128	12.868	12.857	0.011	69	394284	10.0	
45 Chloroform	83	12.975	12.964	0.011	94	242910	1.84	
46 Cyclohexane	84	13.280	13.258	0.022	32	10952	0.1695	M
47 1,1,1-Trichloroethane	97	13.280	13.274	0.006	81	55739	0.3773	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	48 Carbon tetrachloride	117		13.531						
	51 Isooctane	57	13.932	13.922	0.010	92	18202	0.1058		
	50 Benzene	78	13.991	13.980	0.011	71	9813	0.0636		
	52 1,2-Dichloroethane	62		14.141						
	53 n-Heptane	43		14.269						
*	54 1,4-Difluorobenzene	114	14.751	14.745	0.006	92	1769931	10.0		
	56 Trichloroethene	95	15.222	15.206	0.016	91	67073	0.8448		
	58 1,2-Dichloropropane	63		15.730						
	59 Methyl methacrylate	69		15.810						
	60 1,4-Dioxane	88	15.922	15.901	0.021	52	7268	0.2692		
	62 Dichlorobromomethane	83		16.217						
	64 cis-1,3-Dichloropropene	75		17.083						
	65 4-Methyl-2-pentanone (MIBK)	43		17.319						
	66 Toluene	92	17.661	17.656	0.005	91	31955	0.2739		
	70 trans-1,3-Dichloropropene	75		18.191						
	71 1,1,2-Trichloroethane	83		18.554						
	72 Tetrachloroethene	166	18.694	18.699	-0.005	96	59424	0.4093		
	73 2-Hexanone	43		18.945						
	74 Chlorodibromomethane	129		19.314						
	75 Ethylene Dibromide	107		19.598						
S	82 Xylenes, Total	106		20.100						
*	76 Chlorobenzene-d5	117	20.448	20.443	0.005	82	1608844	10.0		
	77 Chlorobenzene	112		20.496						
	78 Ethylbenzene	91	20.625	20.614	0.011	79	8236	0.0302		M
	80 m-Xylene & p-Xylene	106		20.833						
	83 o-Xylene	106		21.545						
	84 Styrene	104		21.582						
	85 Bromoform	173		21.957						
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	98	1092041	NC		
	88 1,1,2,2-Tetrachloroethane	83		22.668						
	90 N-Propylbenzene	91		22.743						
	91 4-Ethyltoluene	105		22.909						
	92 2-Chlorotoluene	91		22.941						
	94 1,3,5-Trimethylbenzene	105		23.000						
	96 tert-Butylbenzene	119		23.476						
	97 1,2,4-Trimethylbenzene	105	23.573	23.567	0.006	56	10501	0.0335		
	98 sec-Butylbenzene	105		23.808						
	99 4-Isopropyltoluene	119		24.011						
	100 1,3-Dichlorobenzene	146	24.081	24.081	0.0	90	25001	0.1093		
	101 1,4-Dichlorobenzene	146		24.225						
	102 Benzyl chloride	91		24.434						
	103 n-Butylbenzene	91		24.648						
	105 1,2-Dichlorobenzene	146		24.830						
	107 1,2,4-Trichlorobenzene	180		27.729						
	108 Hexachlorobutadiene	225		27.932						
	109 Naphthalene	128		28.312						

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

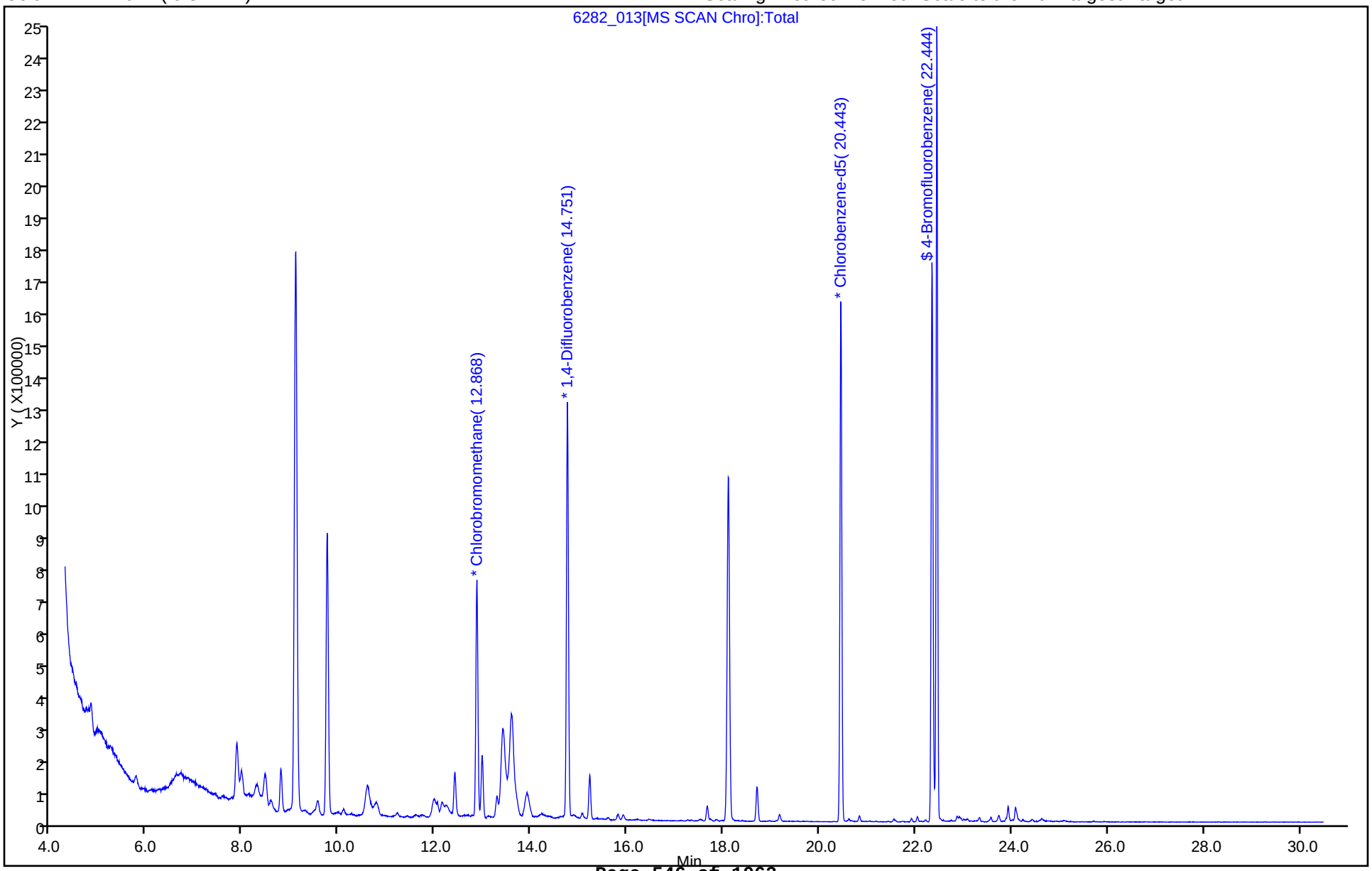
Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 25-Feb-2014 09:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d				
Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24	Worklist Smp#:	13
Client ID:	SS-VMP-5A				
Purge Vol:	200.000 mL	Dil. Factor:	5.7100	ALS Bottle#:	12
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



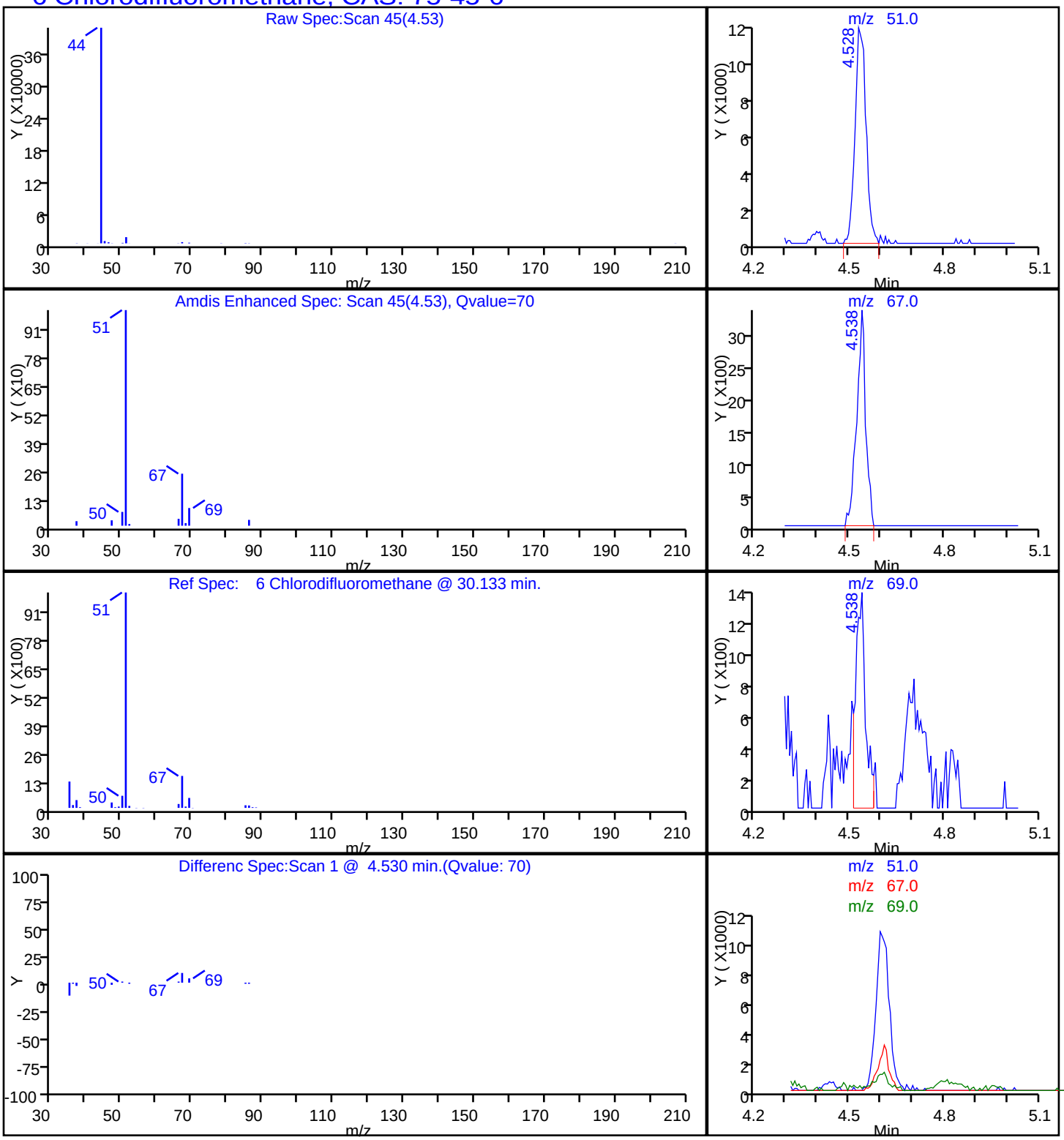
Report Date: 25-Feb-2014 09:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d

Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



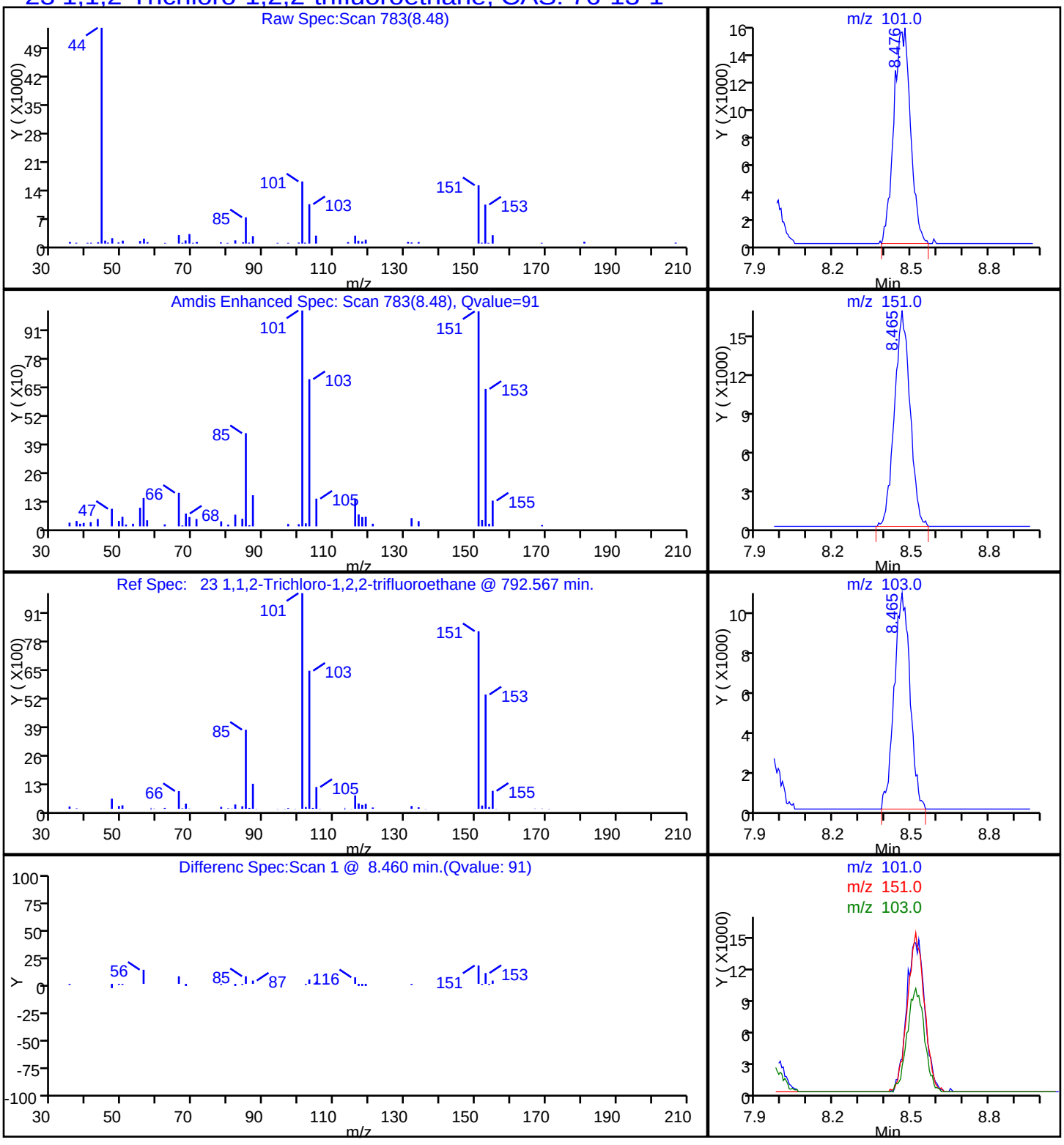
Report Date: 25-Feb-2014 09:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d

Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



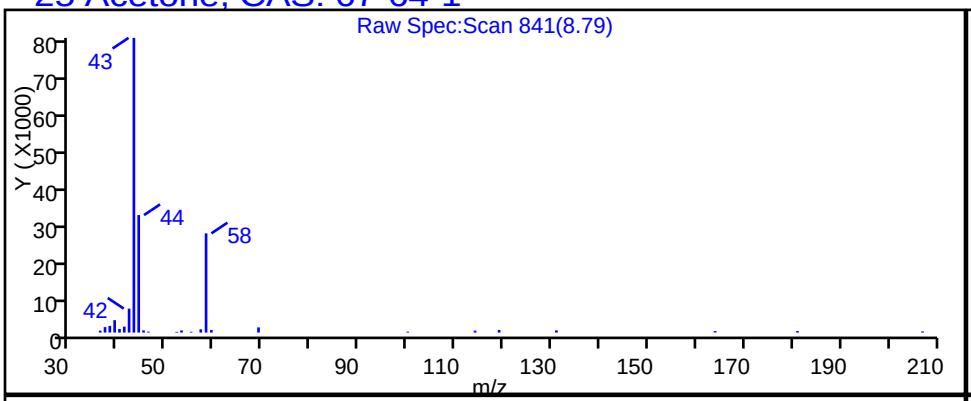
Report Date: 25-Feb-2014 09:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

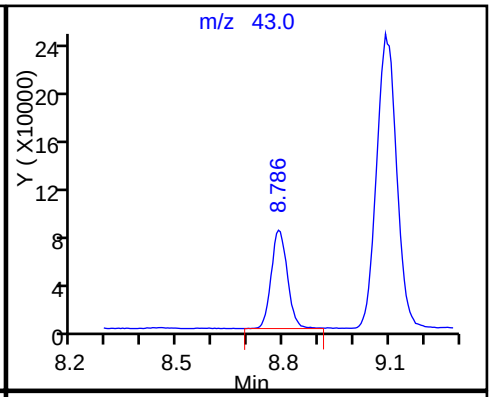
TestAmerica Burlington

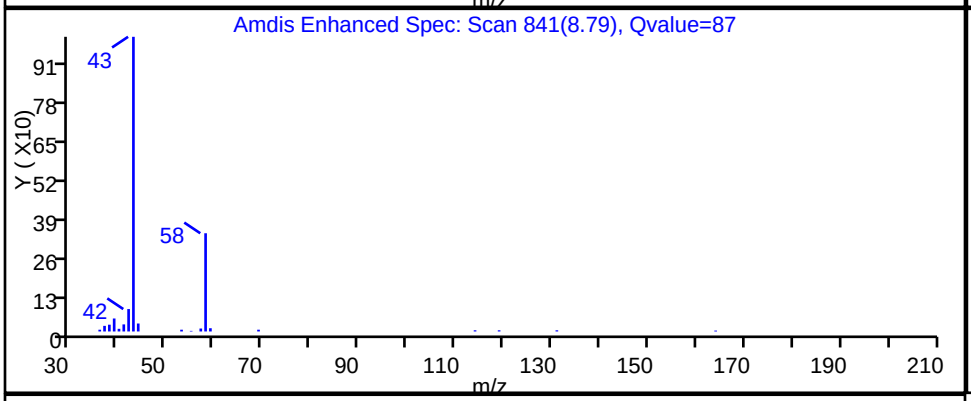
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d

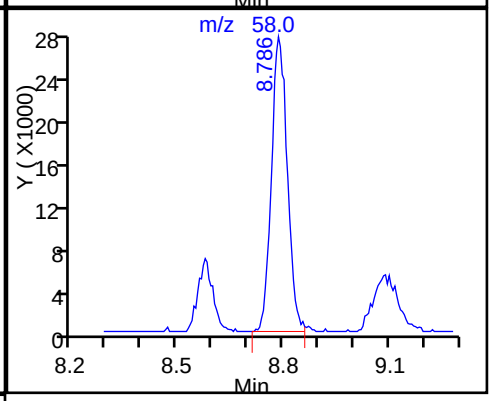
Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

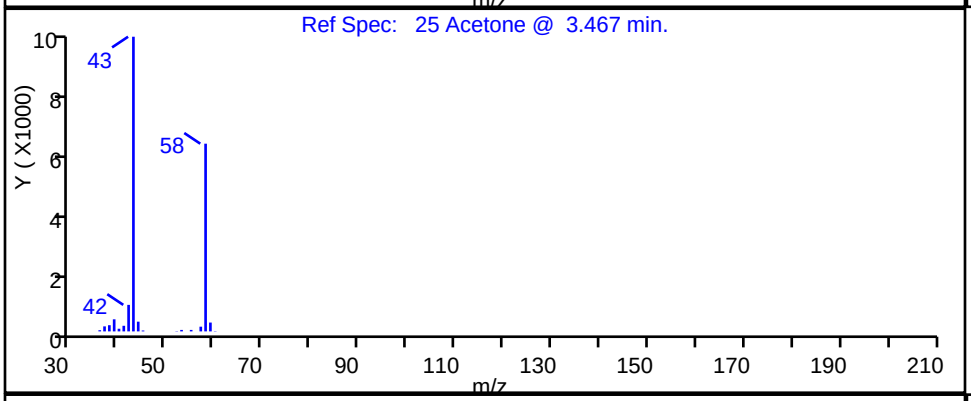
25 Acetone, CAS: 67-64-1

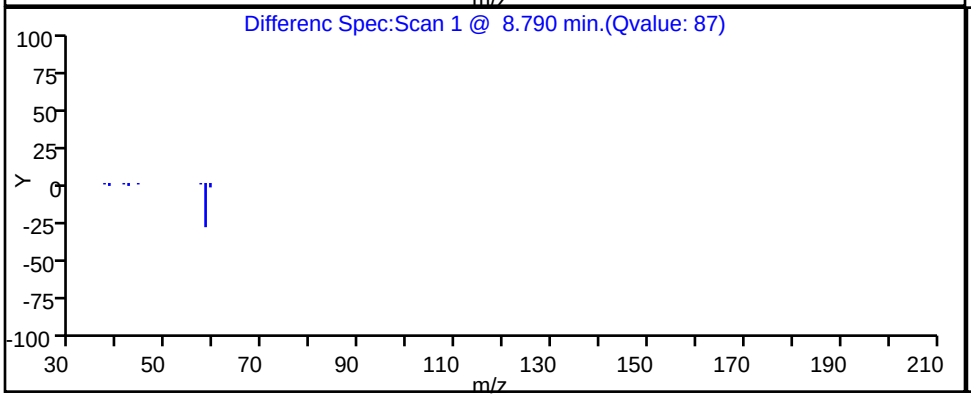


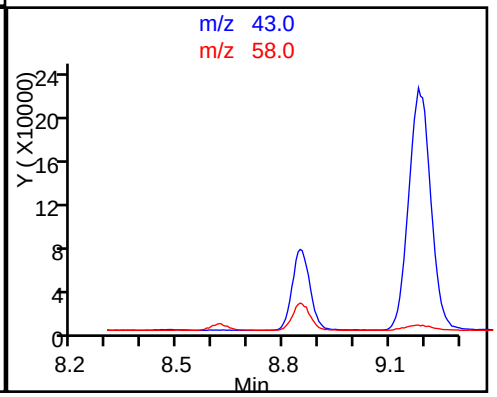












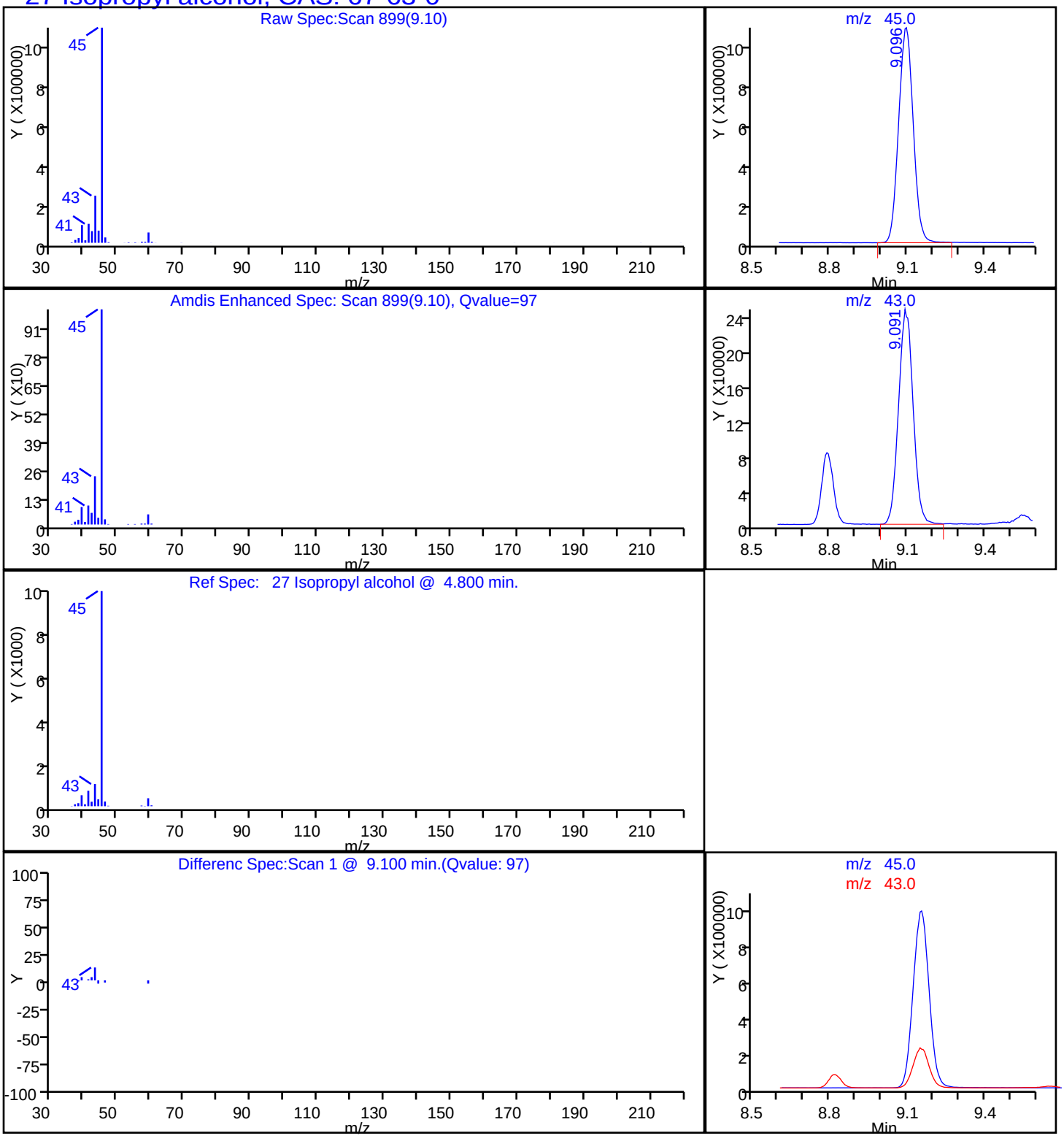
Report Date: 25-Feb-2014 09:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d

Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



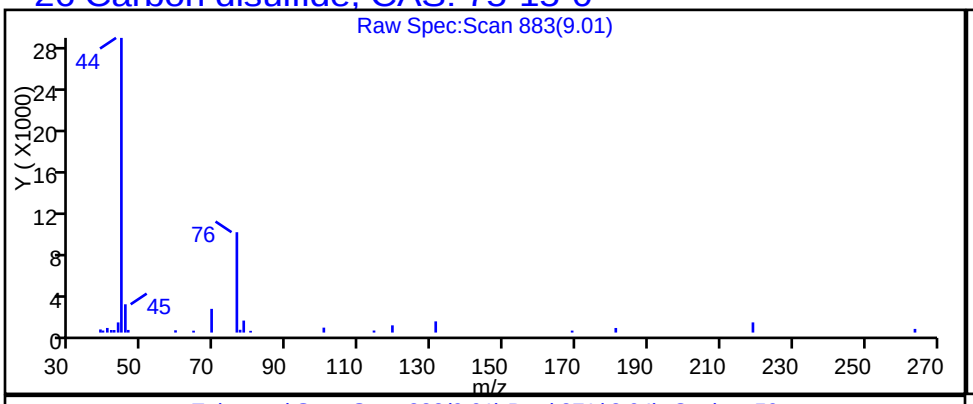
Report Date: 25-Feb-2014 09:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

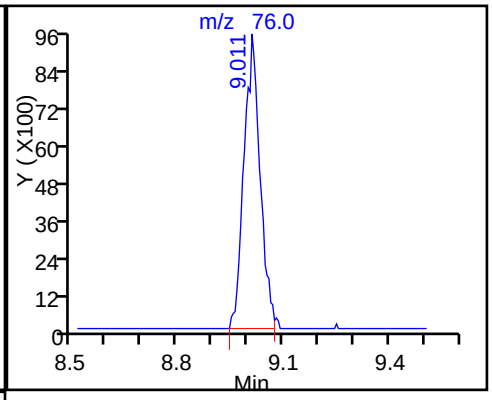
TestAmerica Burlington

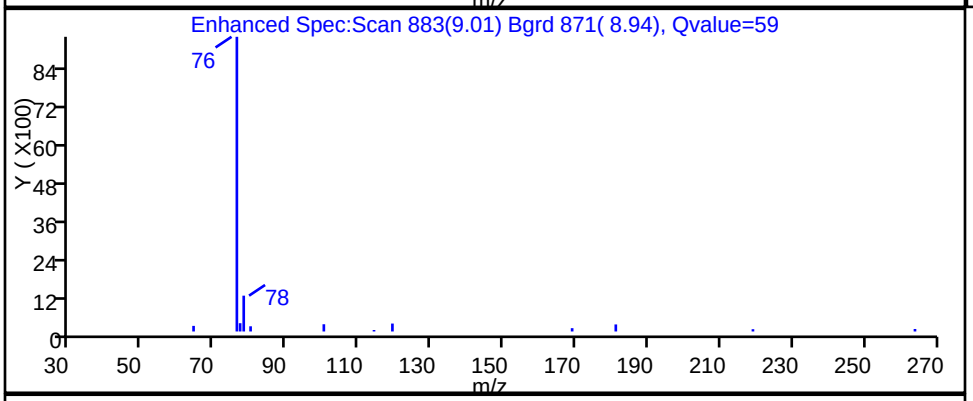
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d

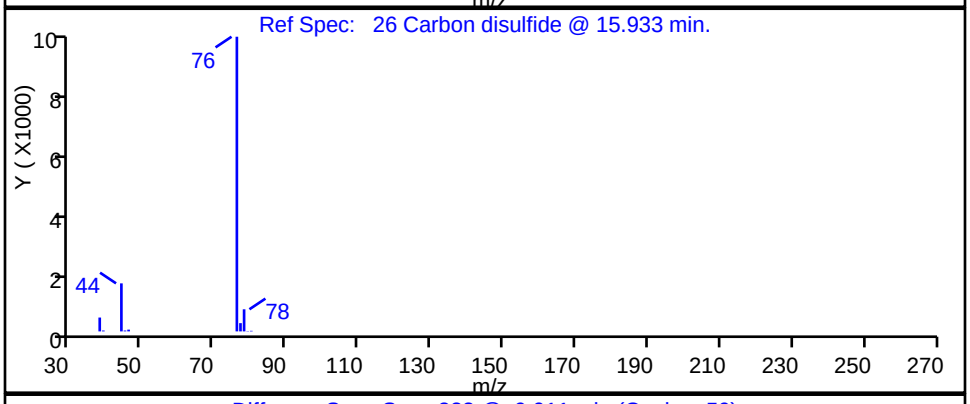
Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

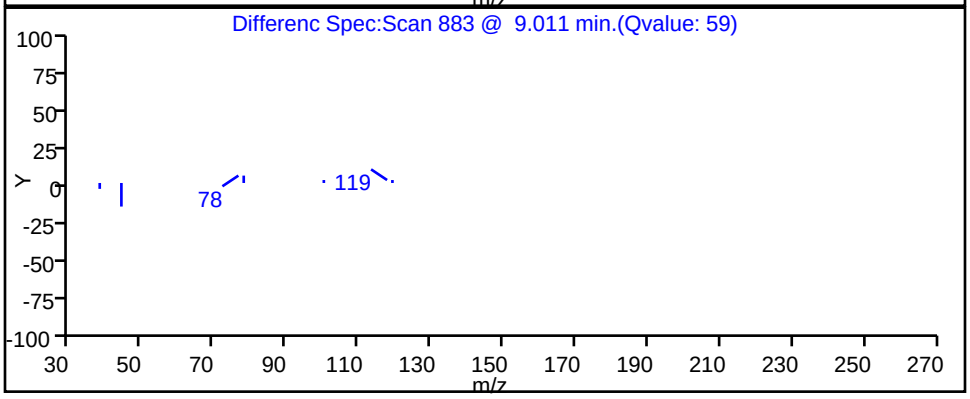
26 Carbon disulfide, CAS: 75-15-0











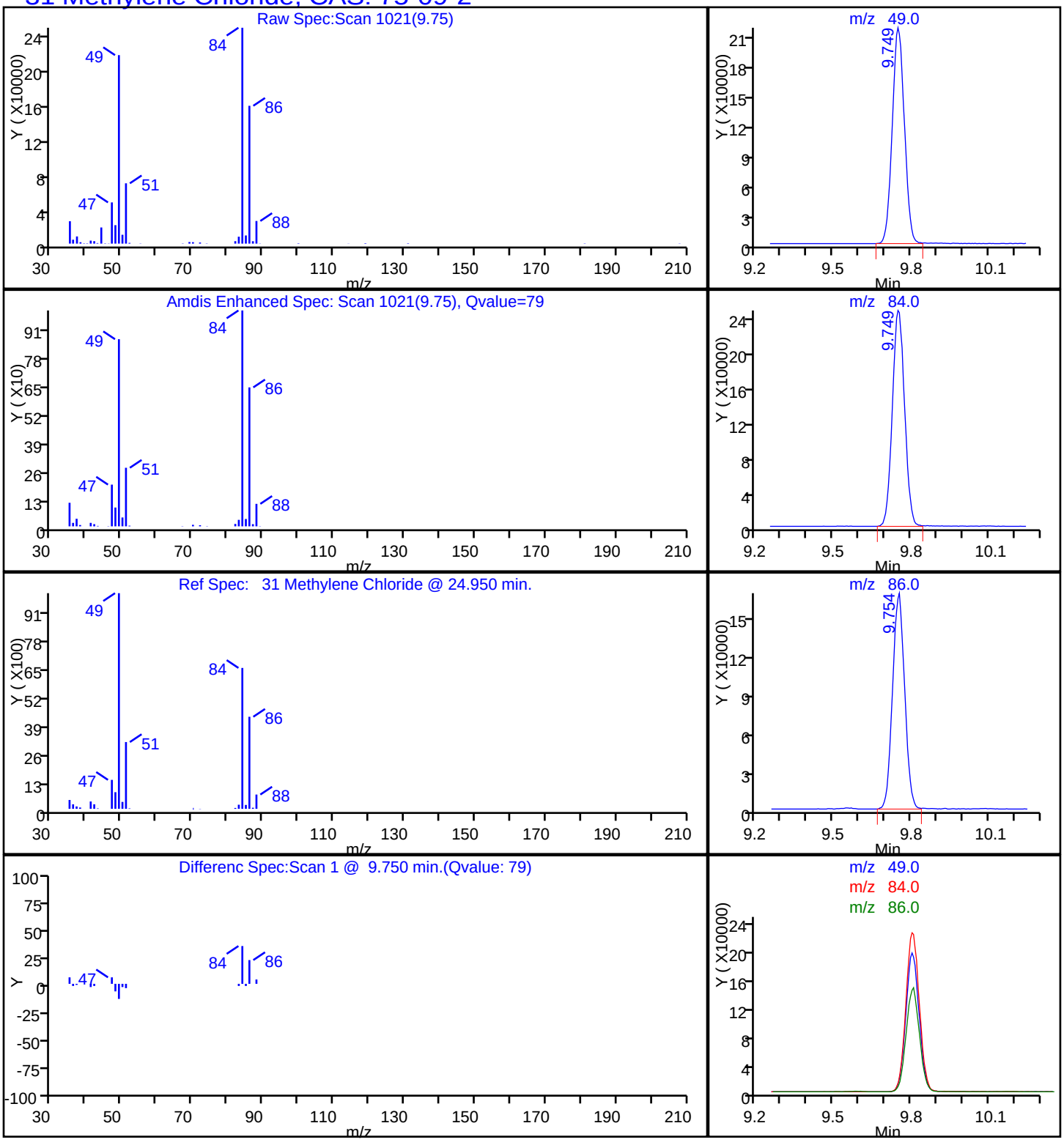
Report Date: 25-Feb-2014 09:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d

Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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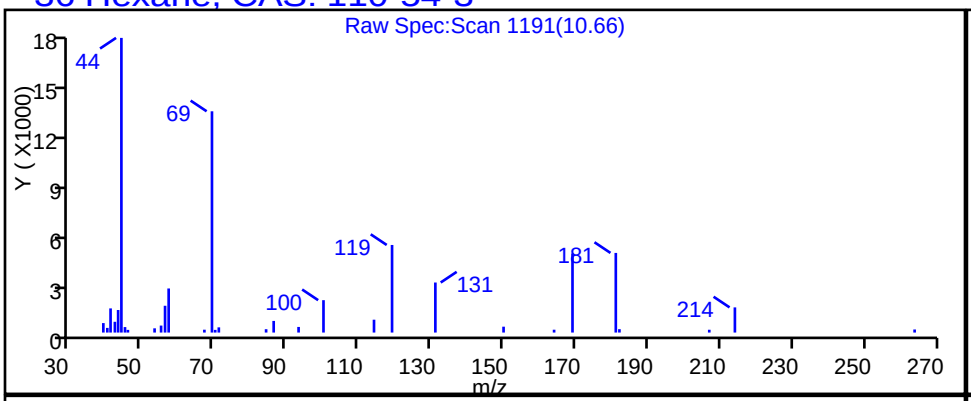
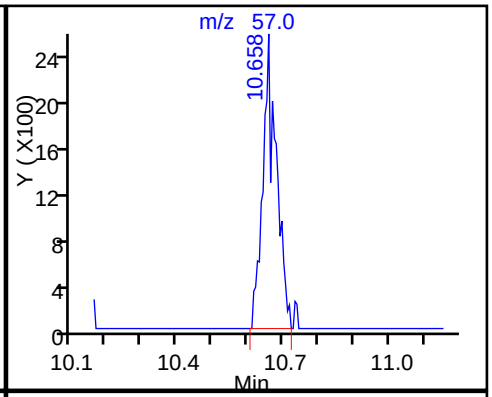
TestAmerica Burlington

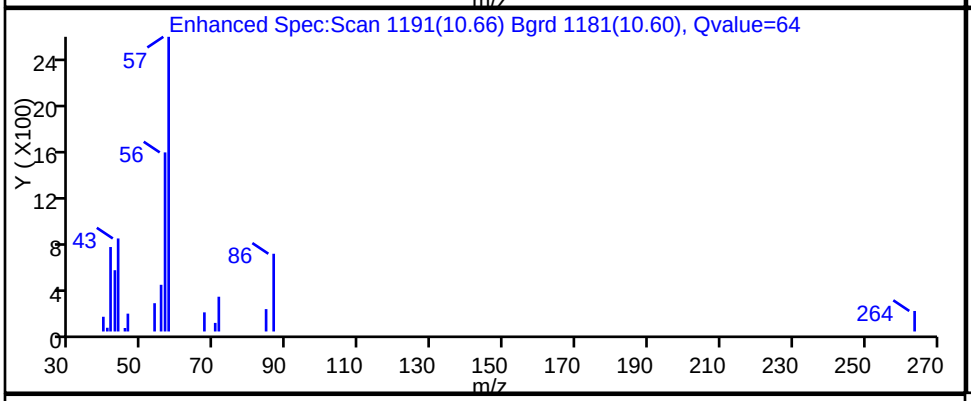
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d

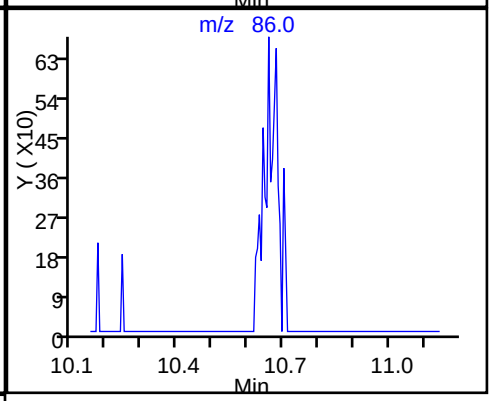
Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

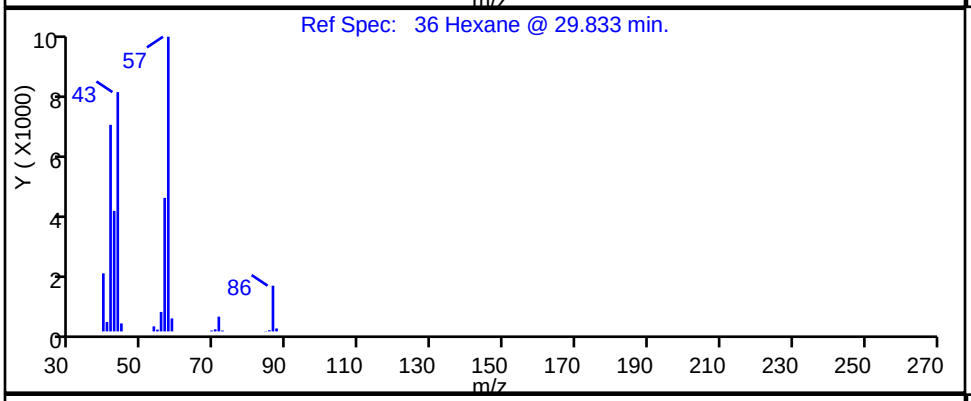
36 Hexane, CAS: 110-54-3

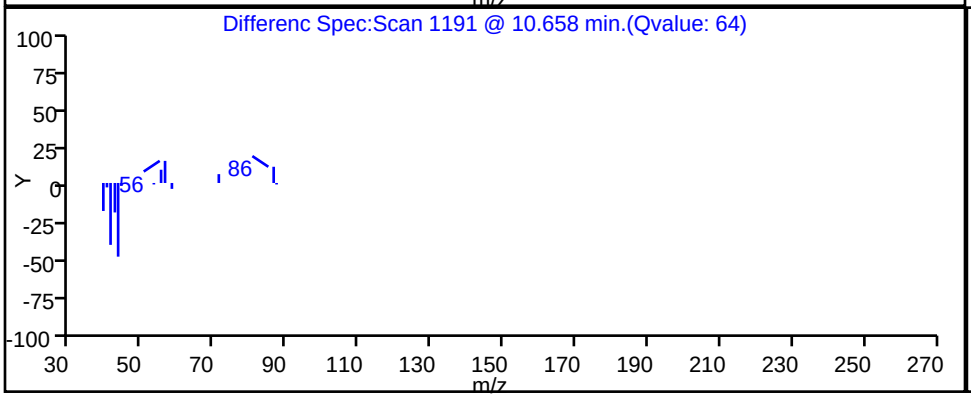


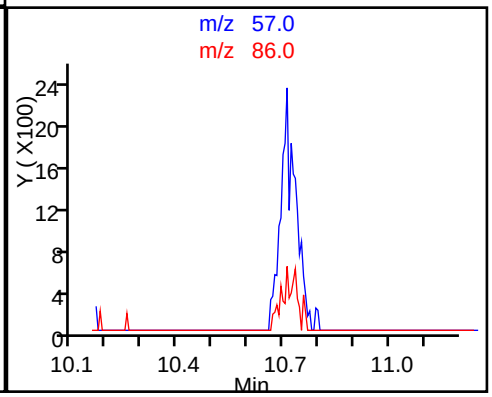












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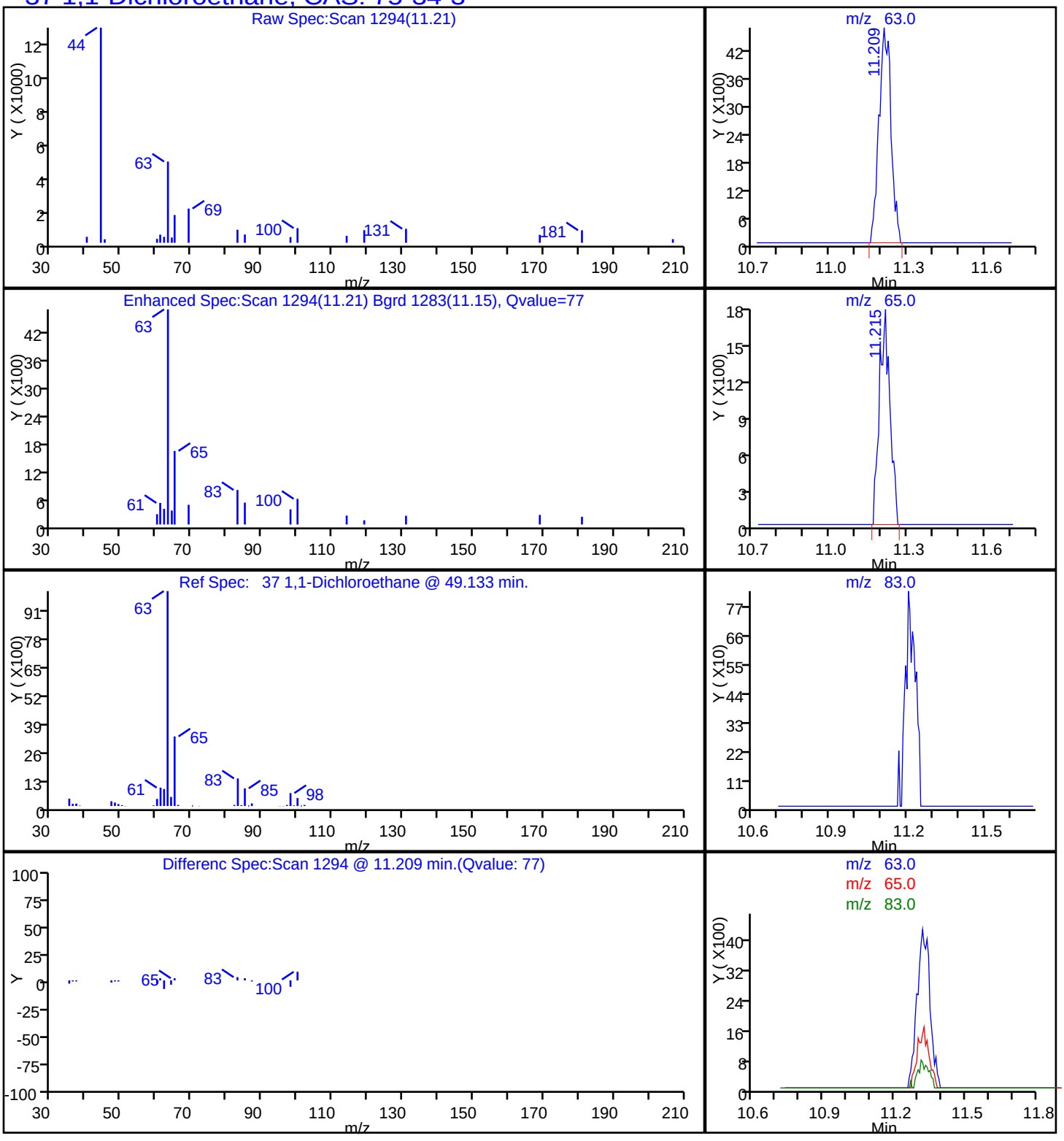
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d

Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



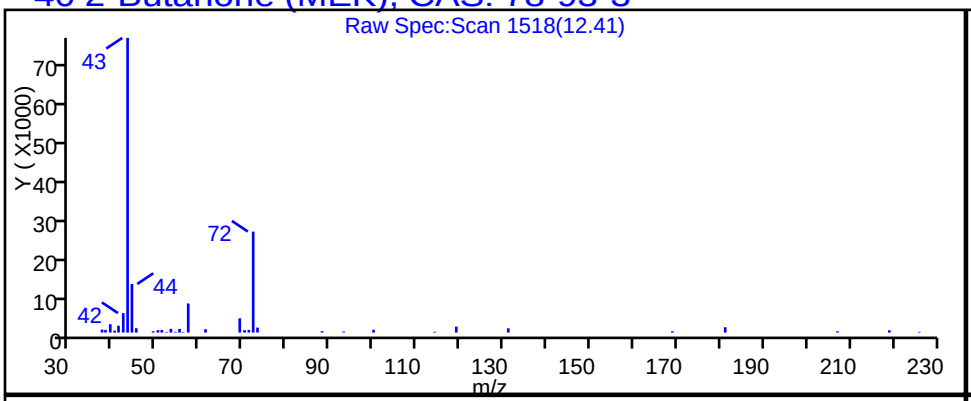
Report Date: 25-Feb-2014 09:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

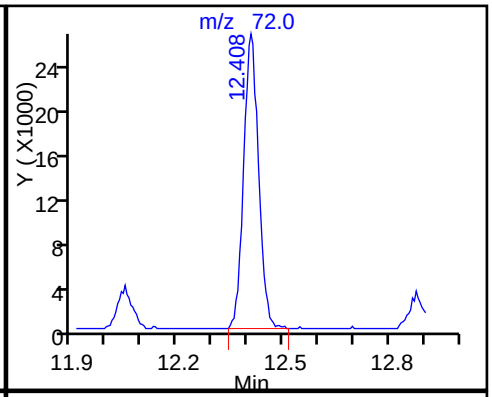
TestAmerica Burlington

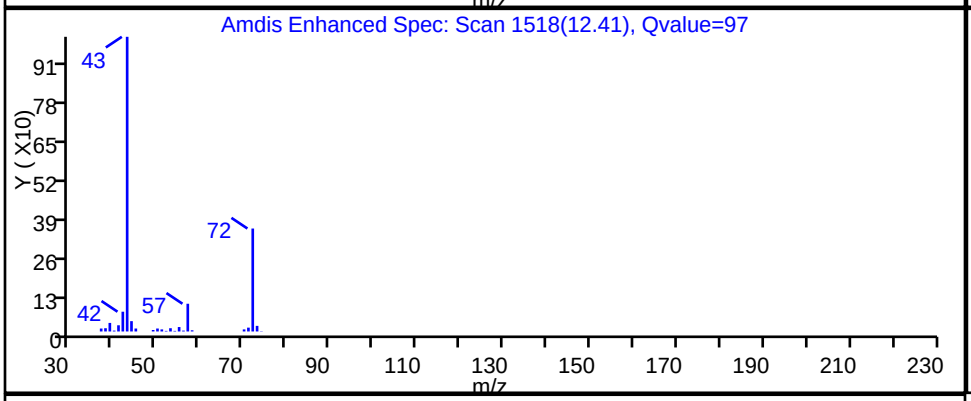
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d

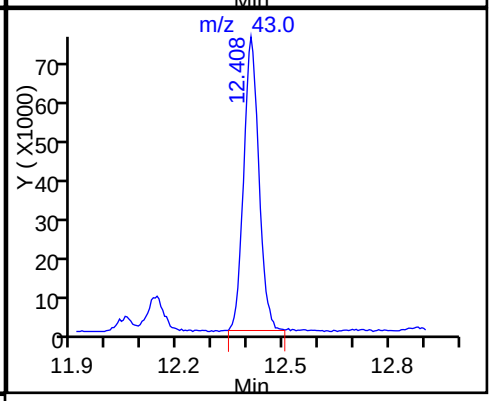
Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

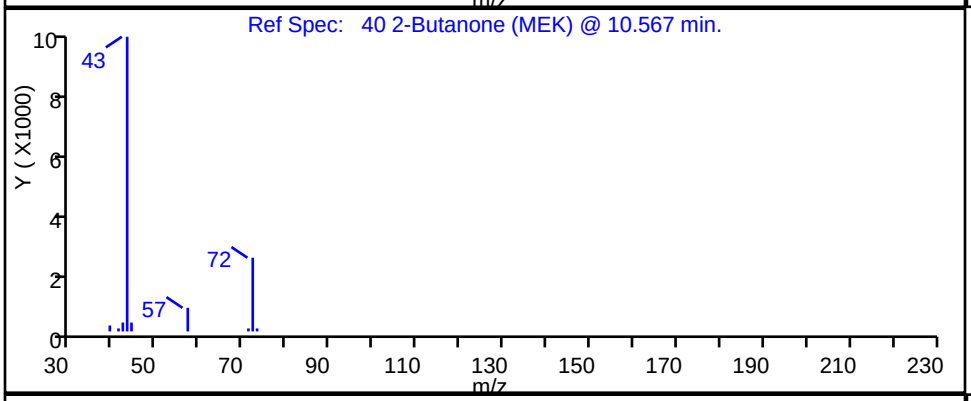
40 2-Butanone (MEK), CAS: 78-93-3

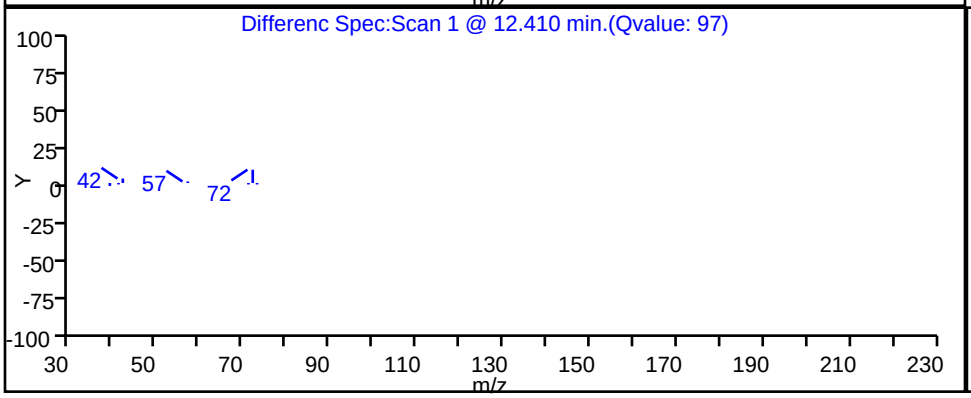


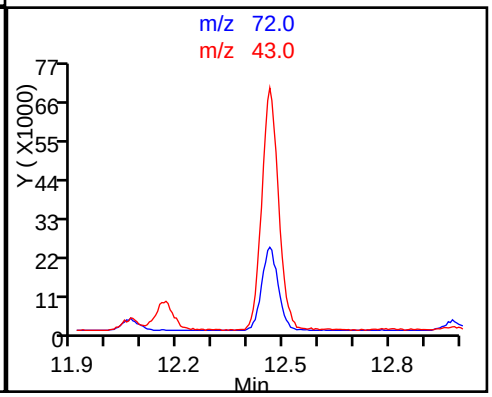












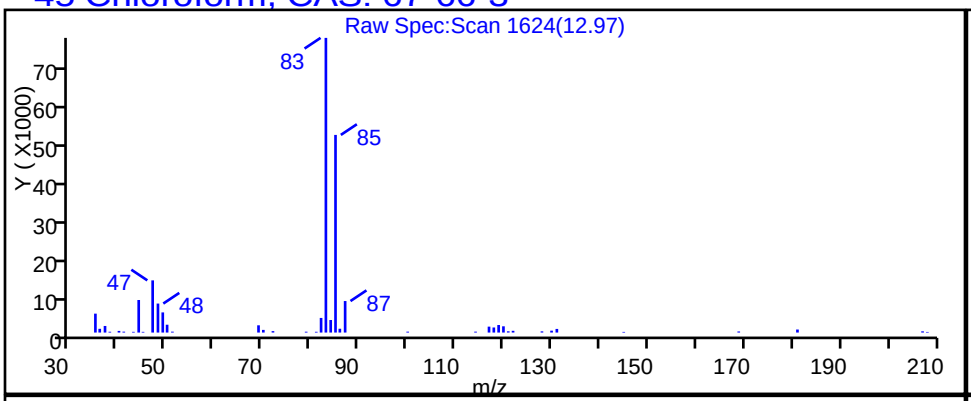
Report Date: 25-Feb-2014 09:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

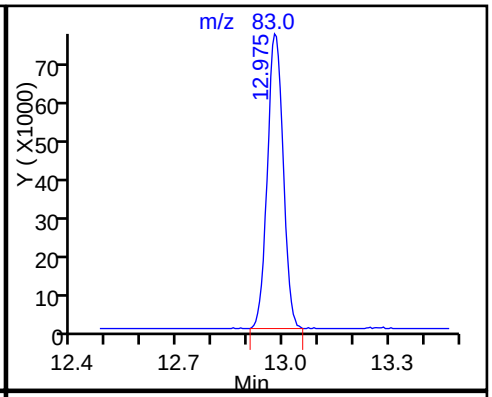
TestAmerica Burlington

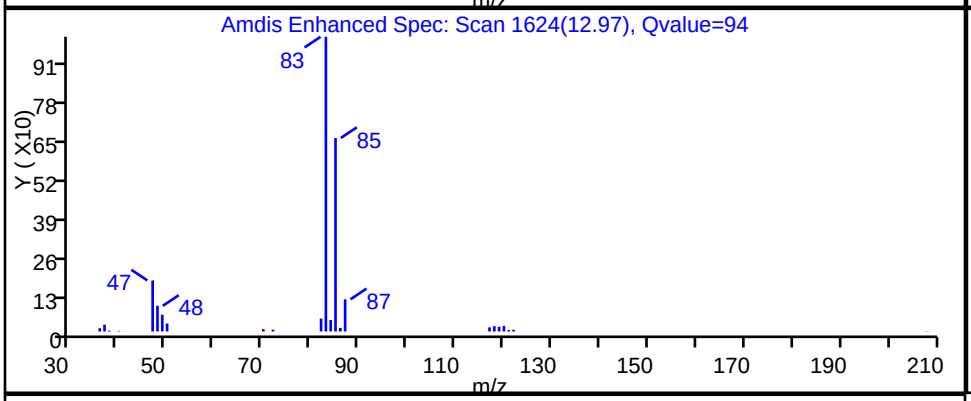
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d

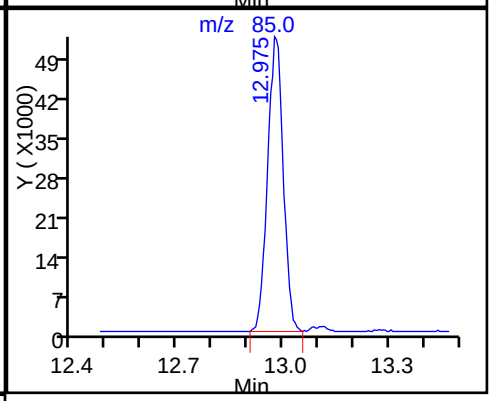
Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

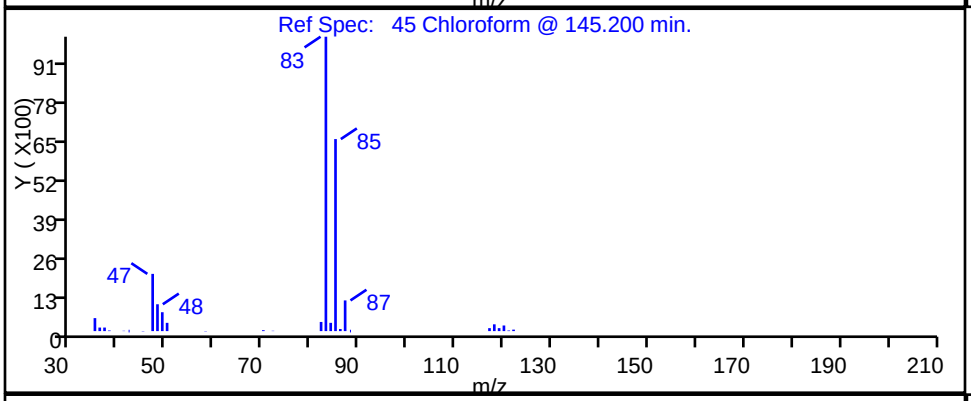
45 Chloroform, CAS: 67-66-3

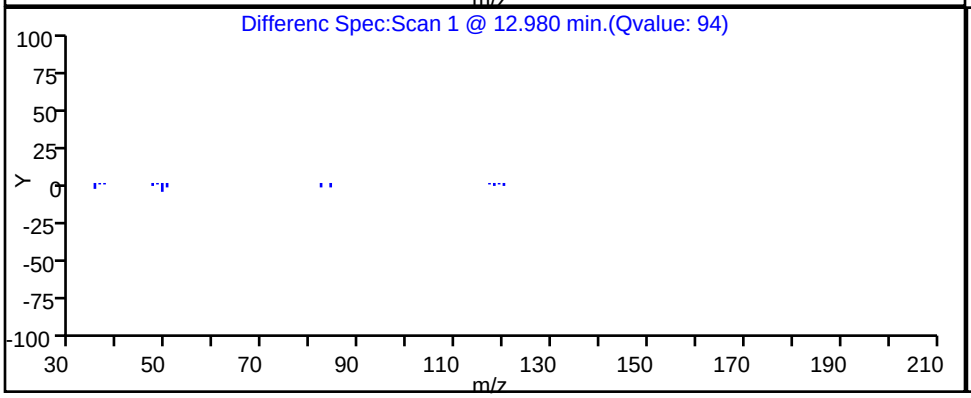


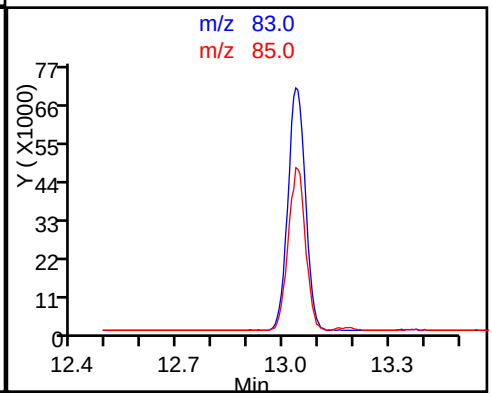










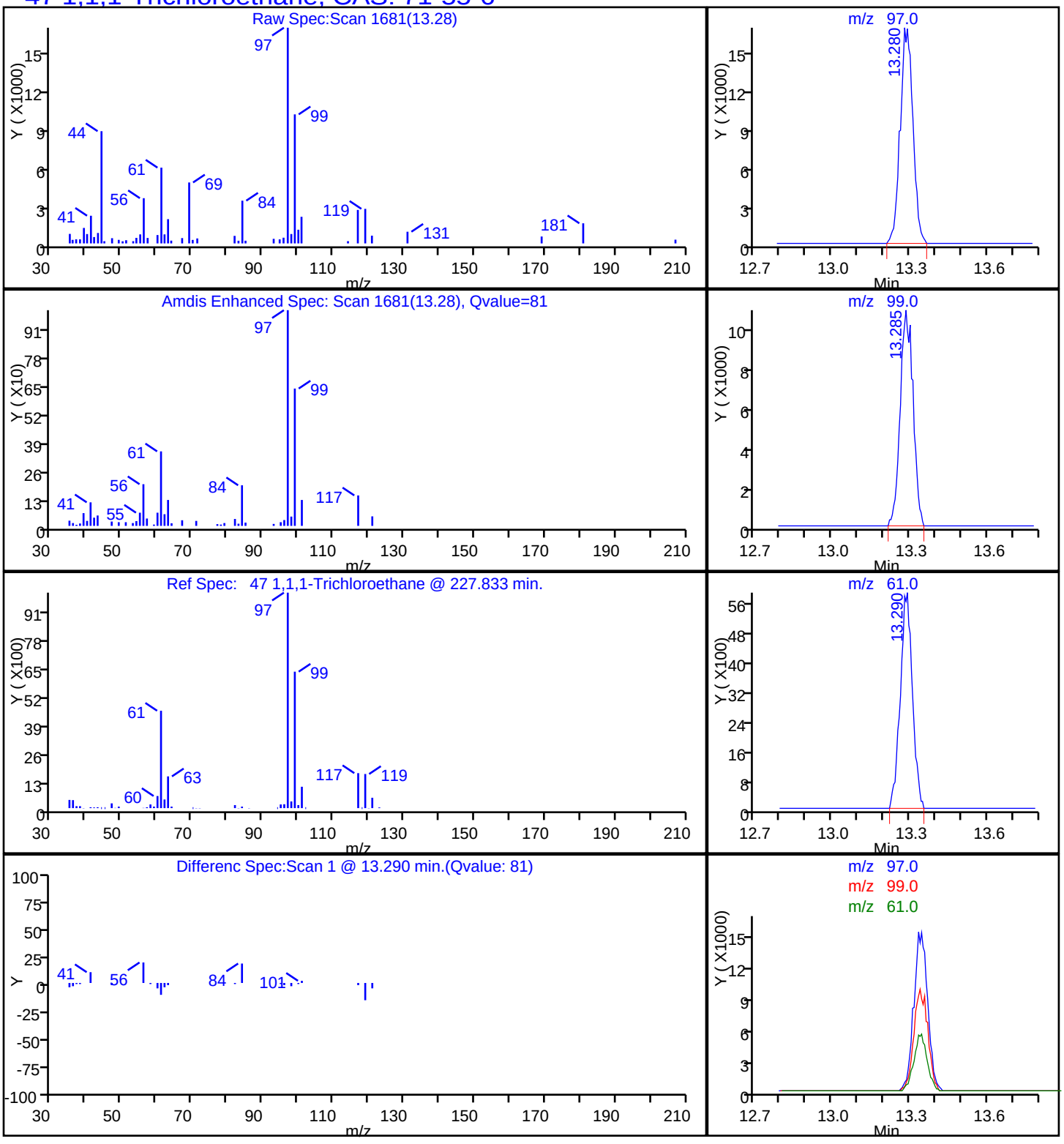


Report Date: 25-Feb-2014 09:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d				
Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



Report Date: 25-Feb-2014 09:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

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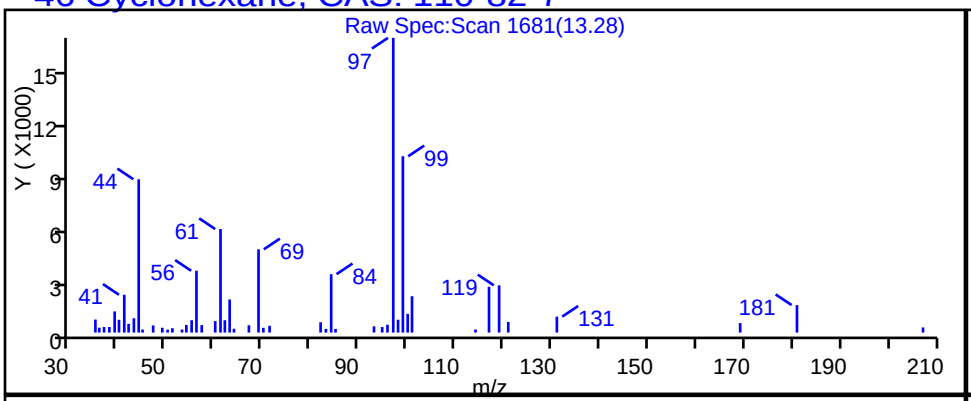
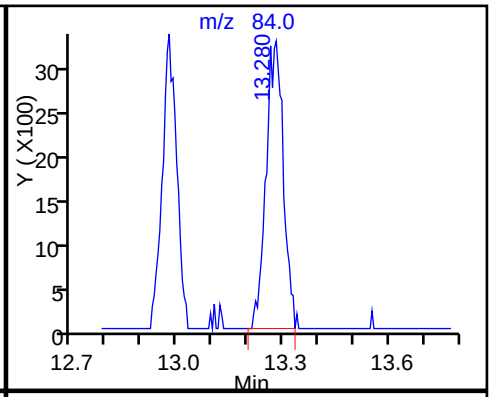
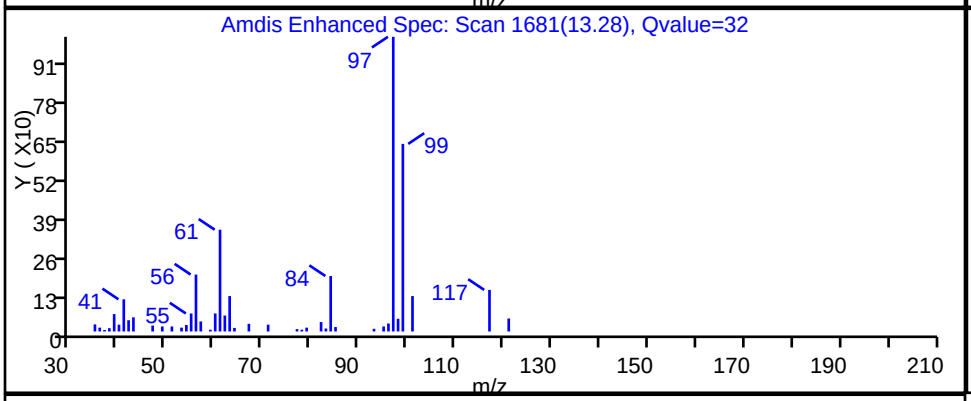
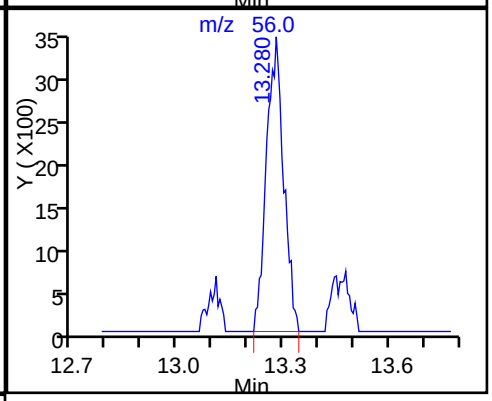
Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

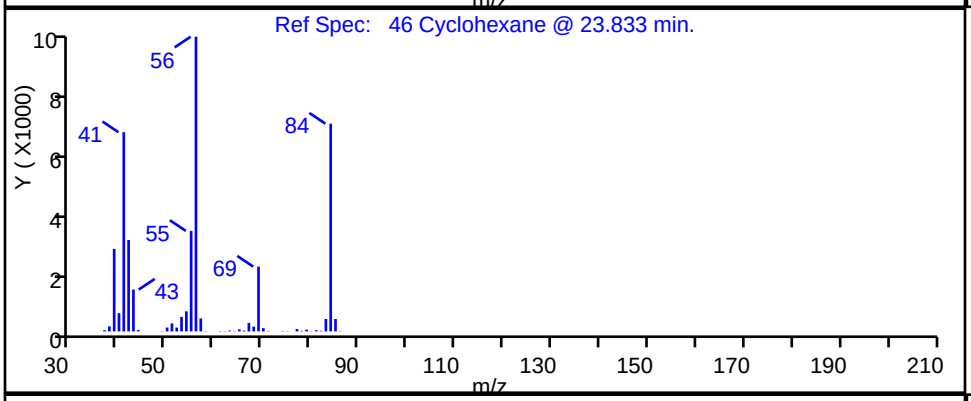
46 Cyclohexane, CAS: 110-82-7

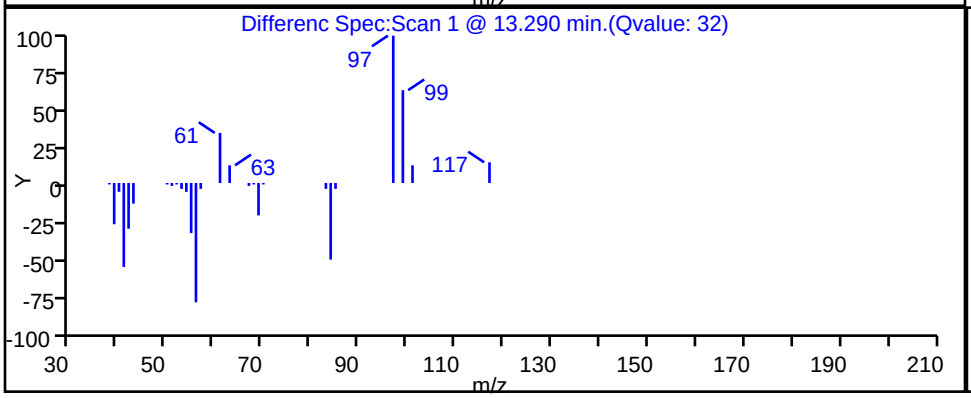


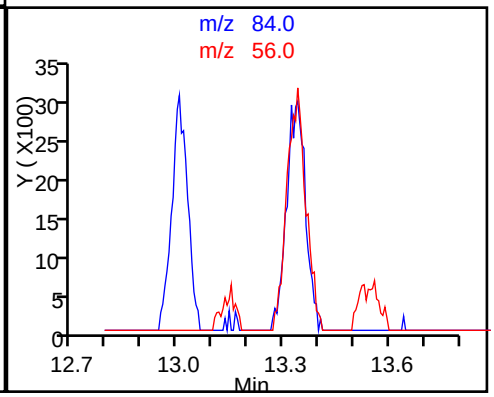












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TestAmerica Burlington

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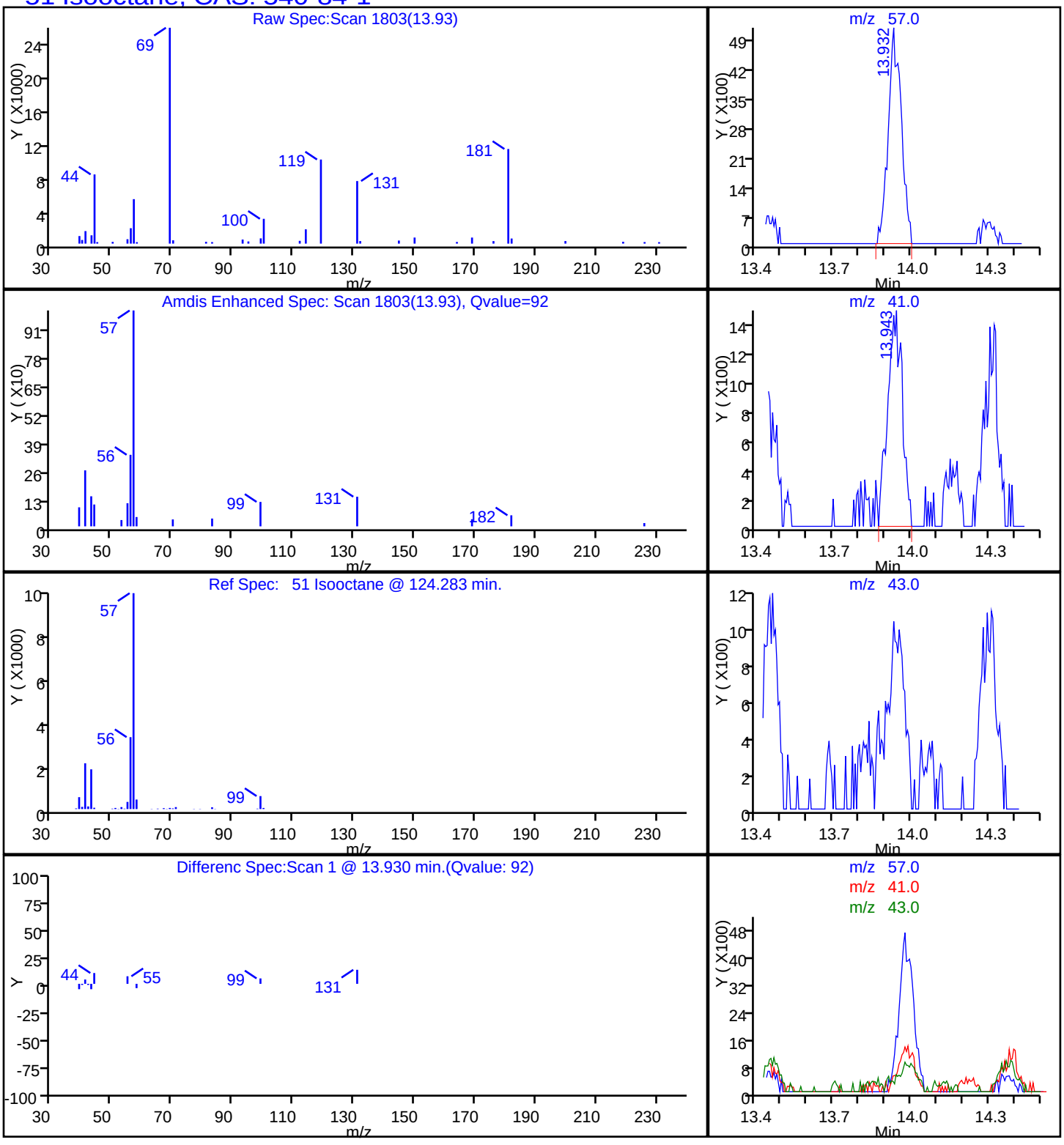
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1



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TestAmerica Burlington

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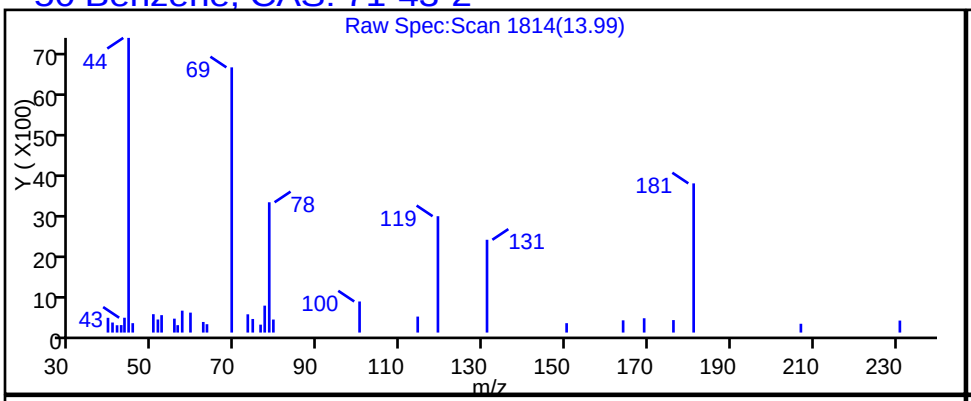
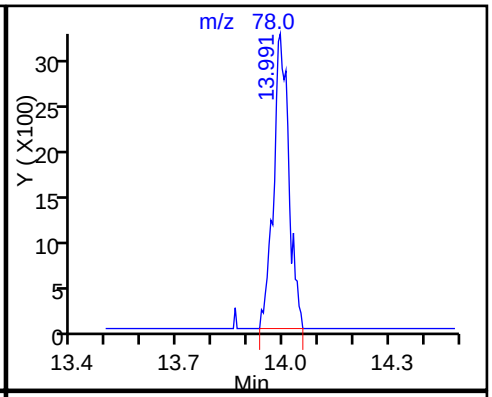
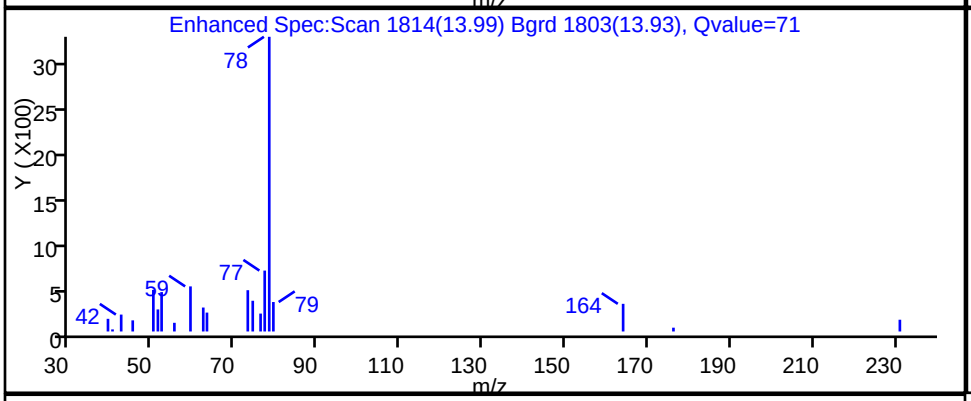
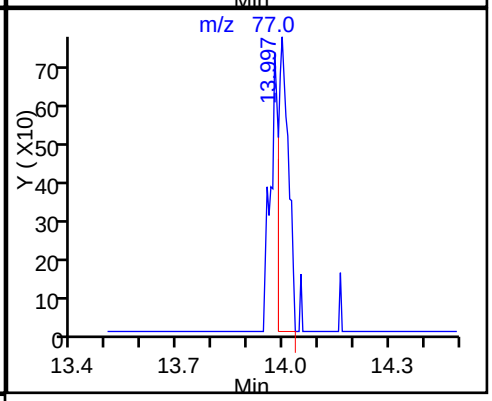
Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

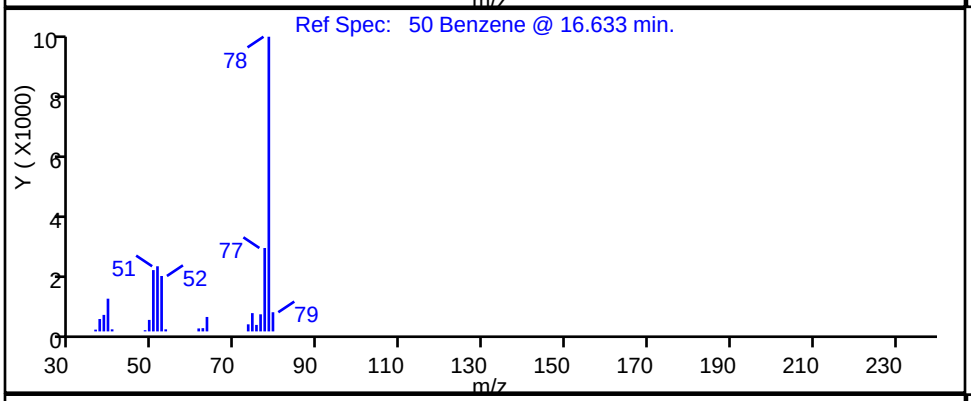
50 Benzene, CAS: 71-43-2

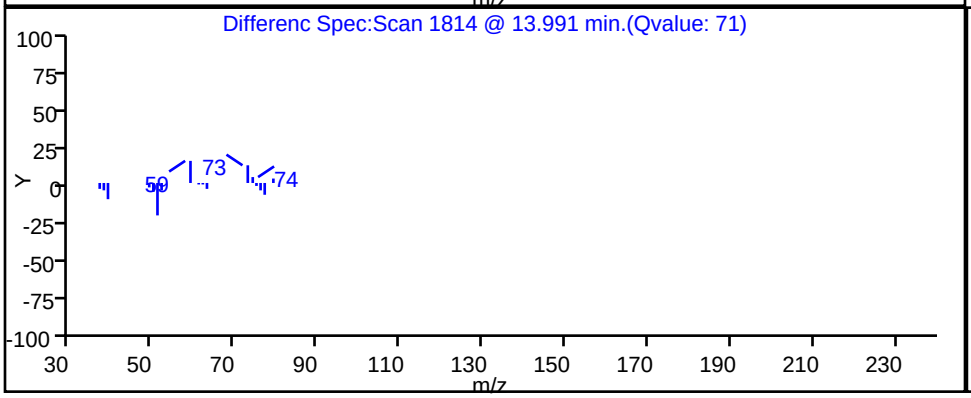


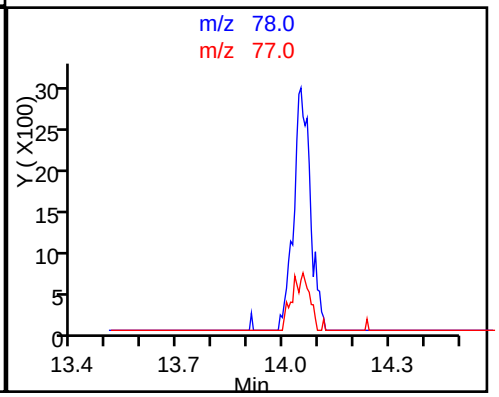












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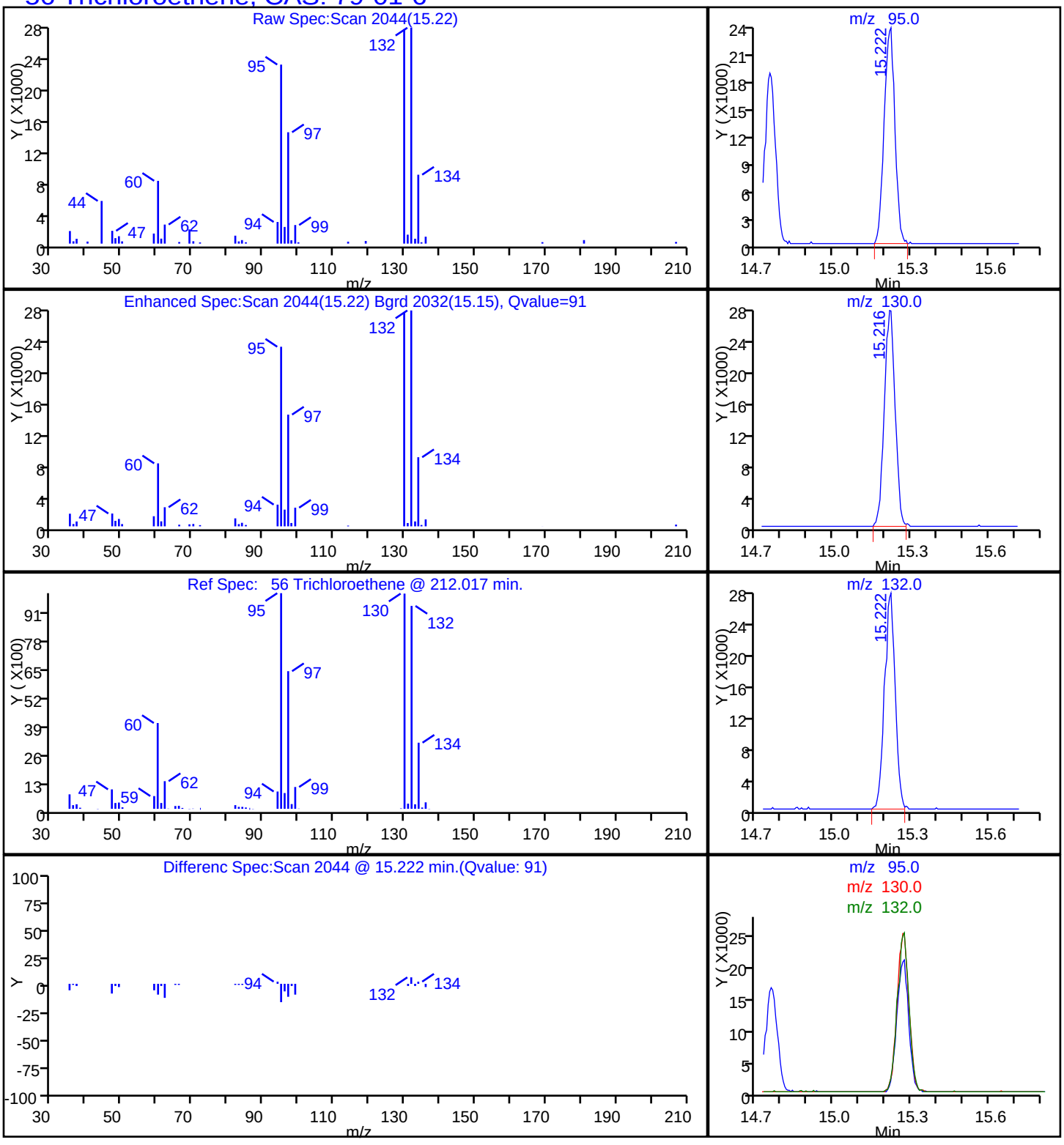
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d

Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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TestAmerica Burlington

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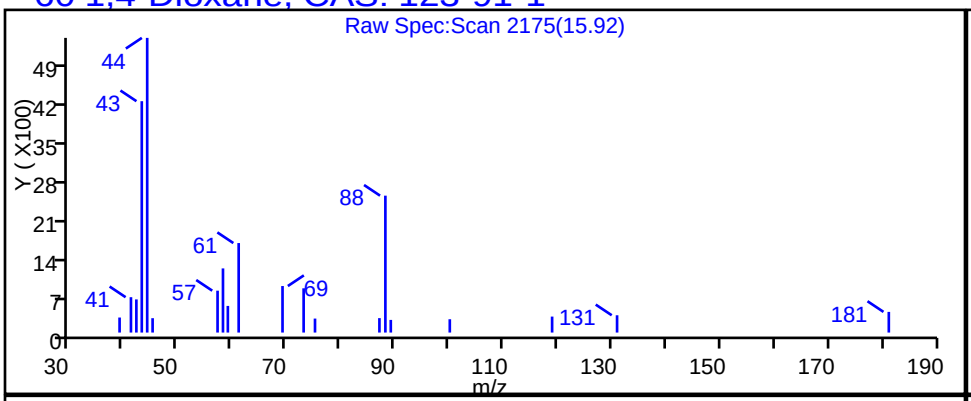
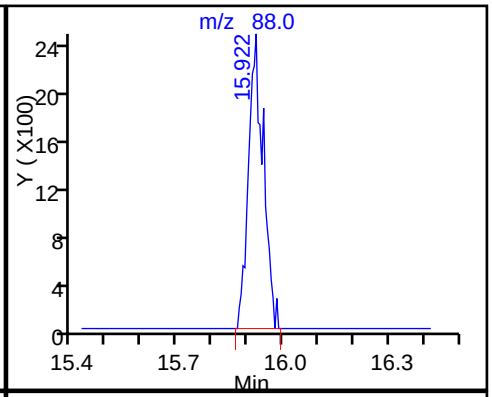
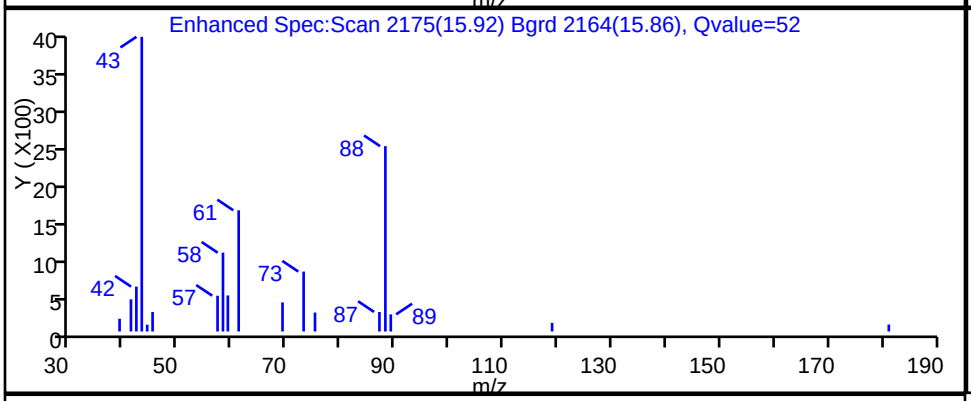
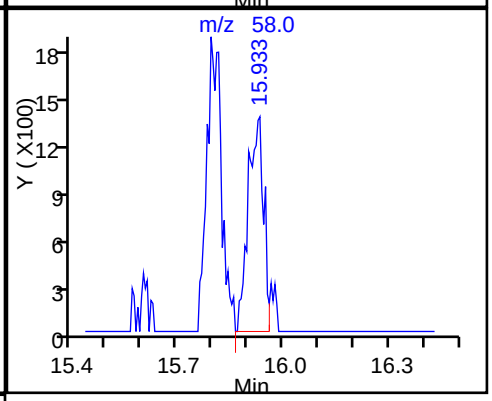
Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

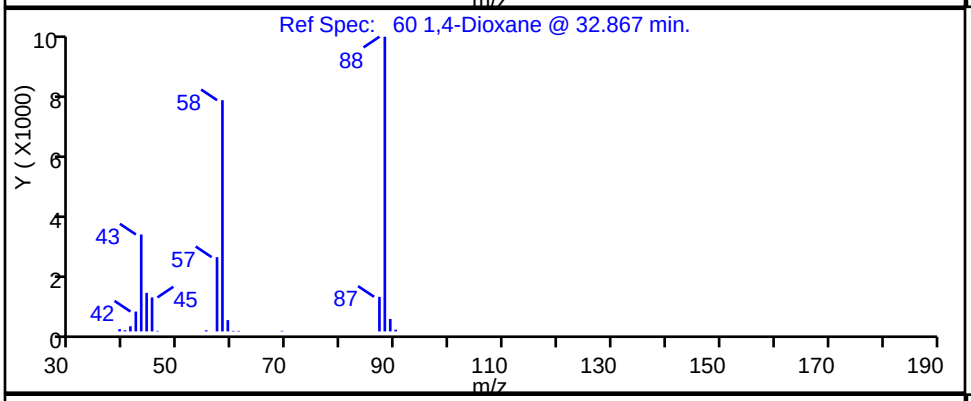
60 1,4-Dioxane, CAS: 123-91-1

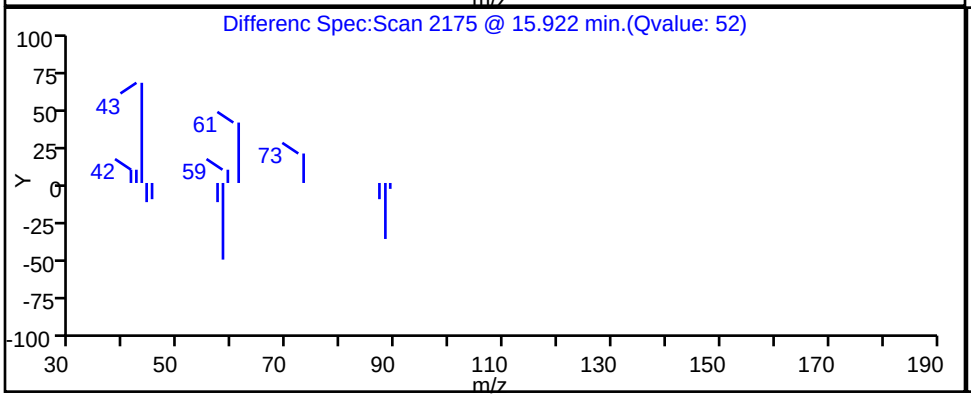


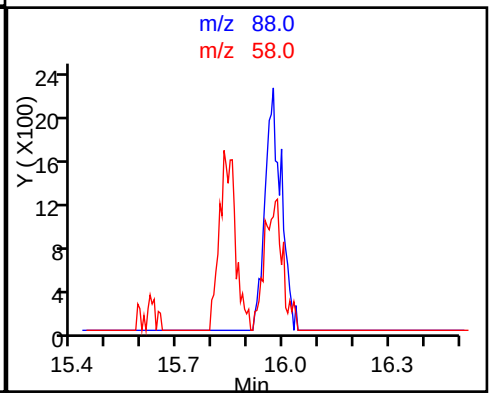












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TestAmerica Burlington

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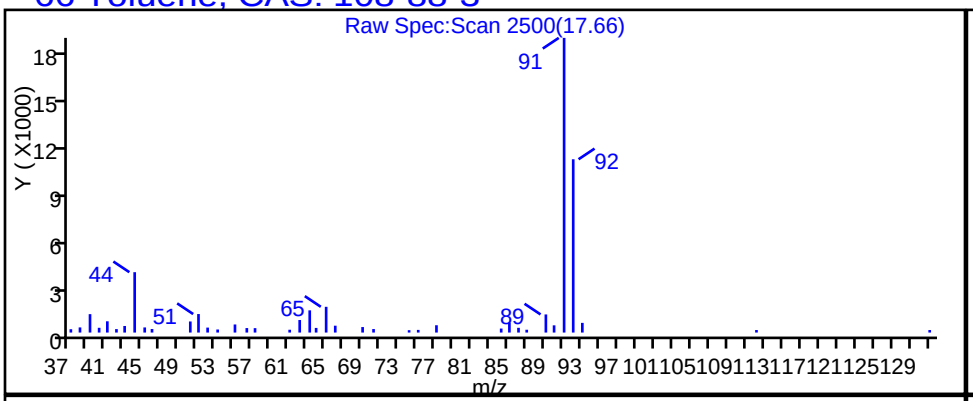
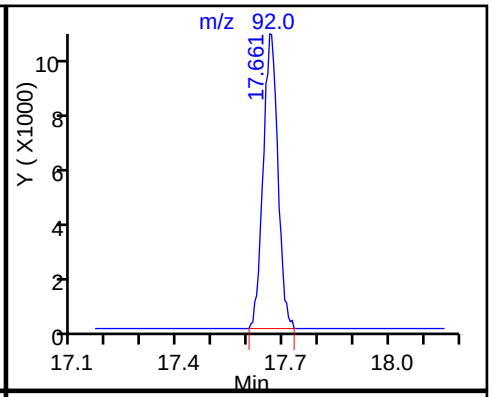
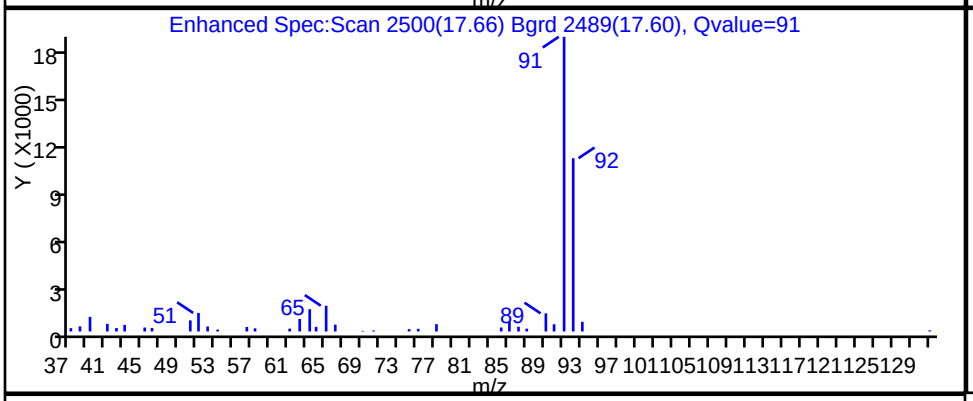
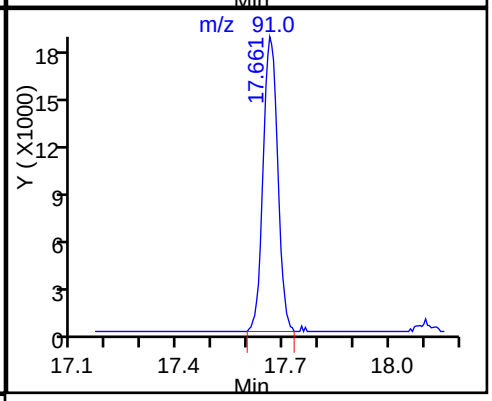
Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

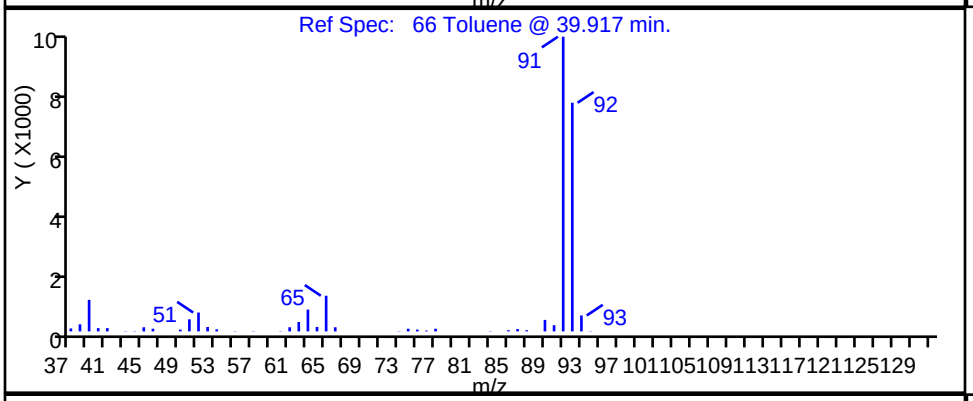
66 Toluene, CAS: 108-88-3

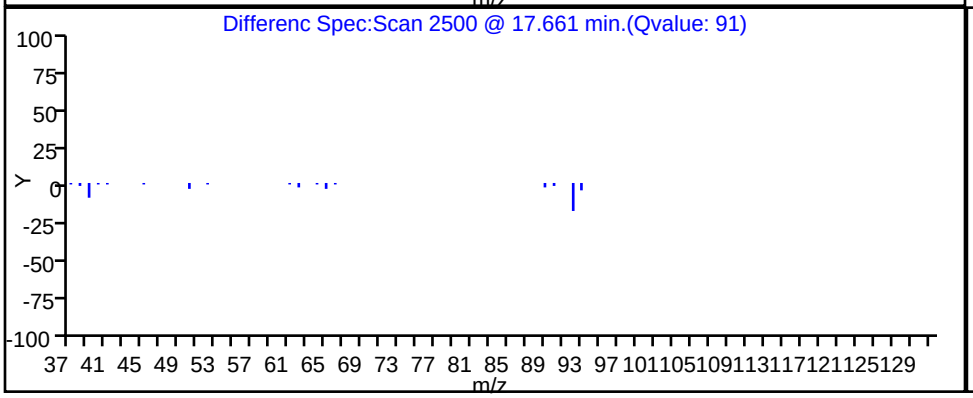


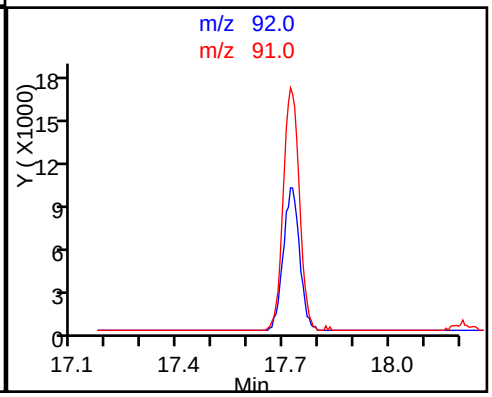












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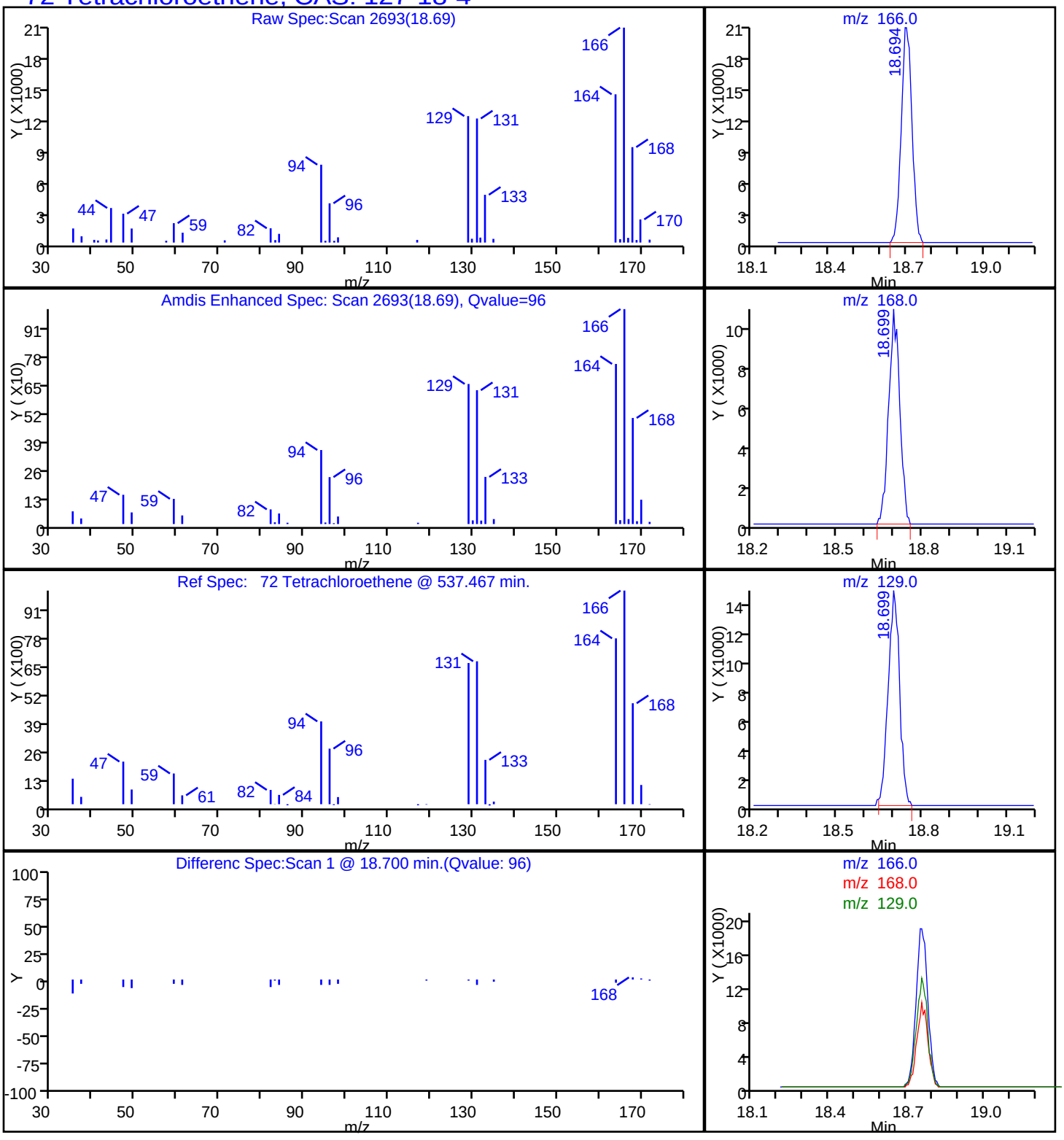
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d

Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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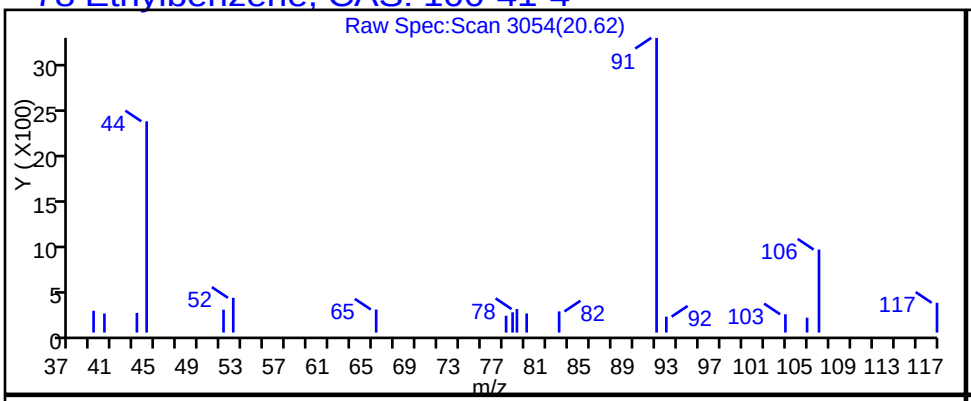
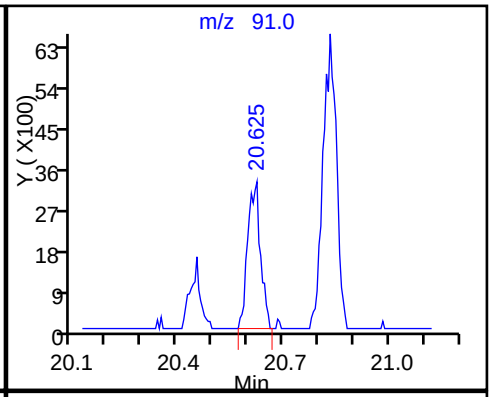
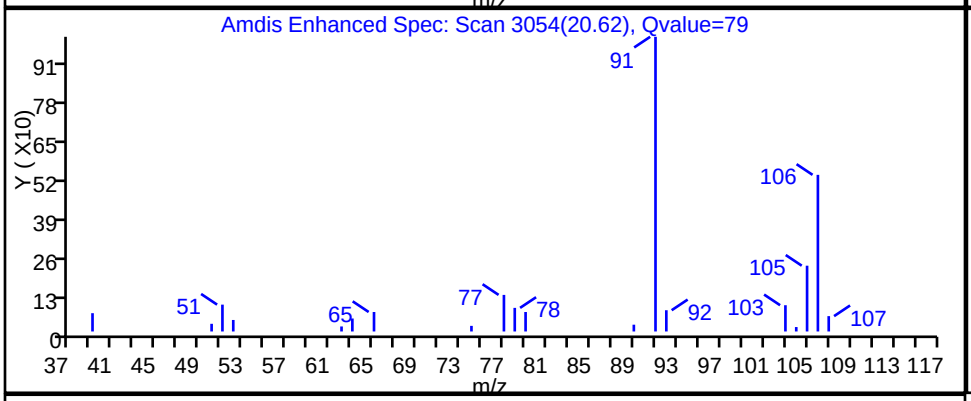
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d

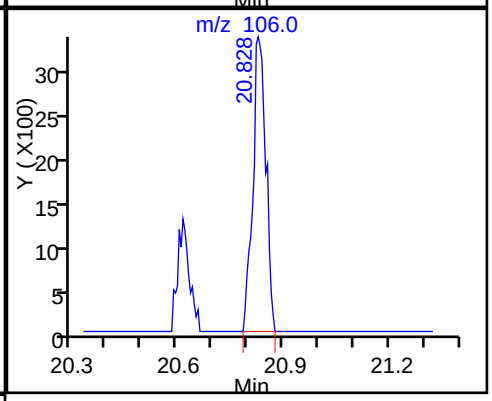
Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

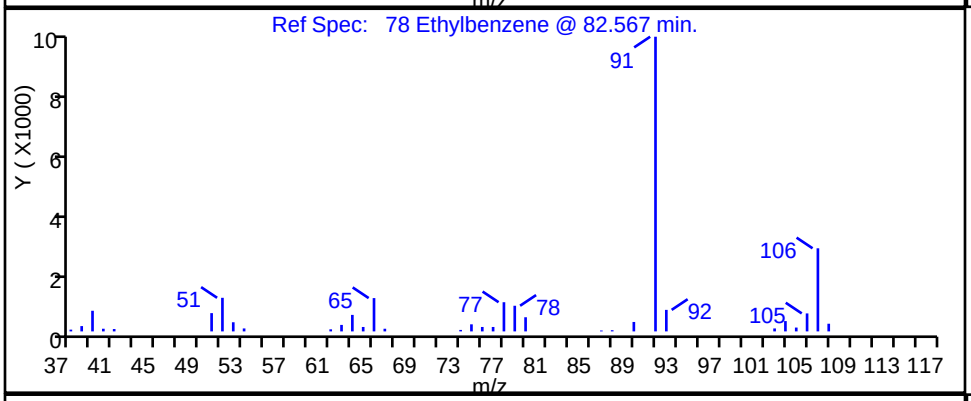
78 Ethylbenzene, CAS: 100-41-4

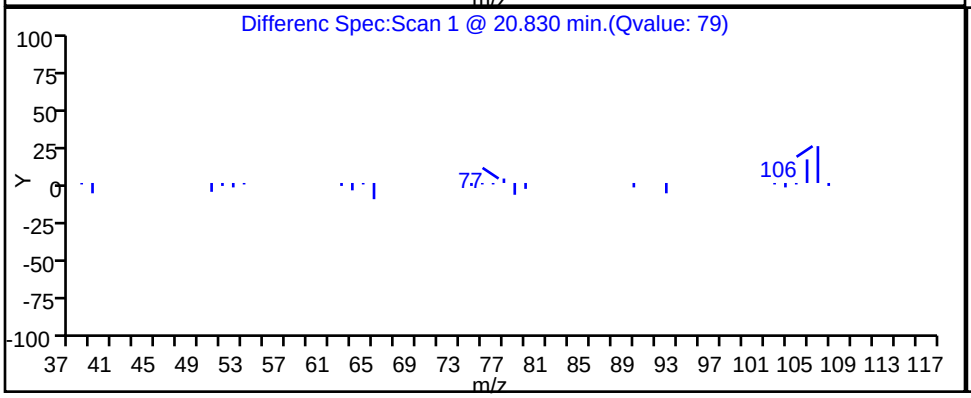


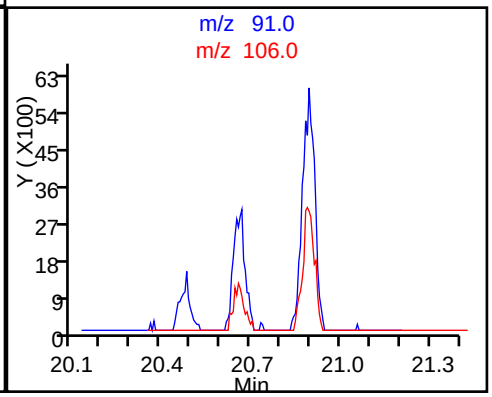












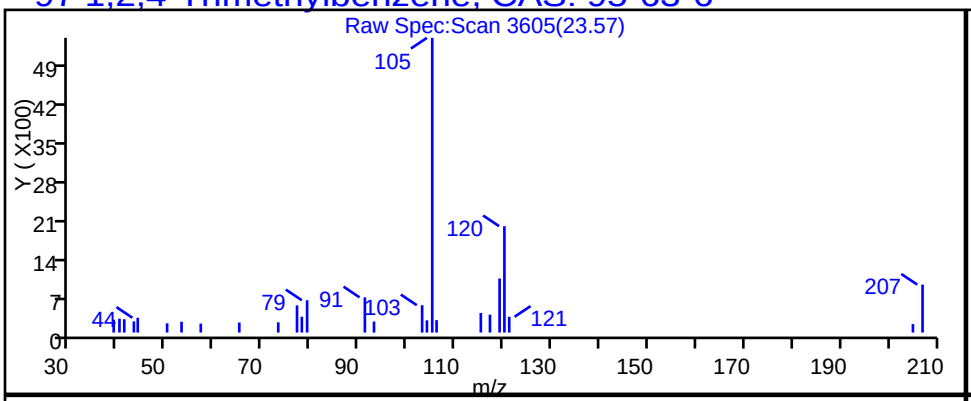
Report Date: 25-Feb-2014 09:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

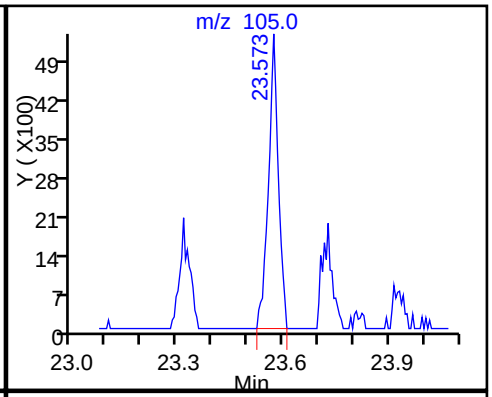
TestAmerica Burlington

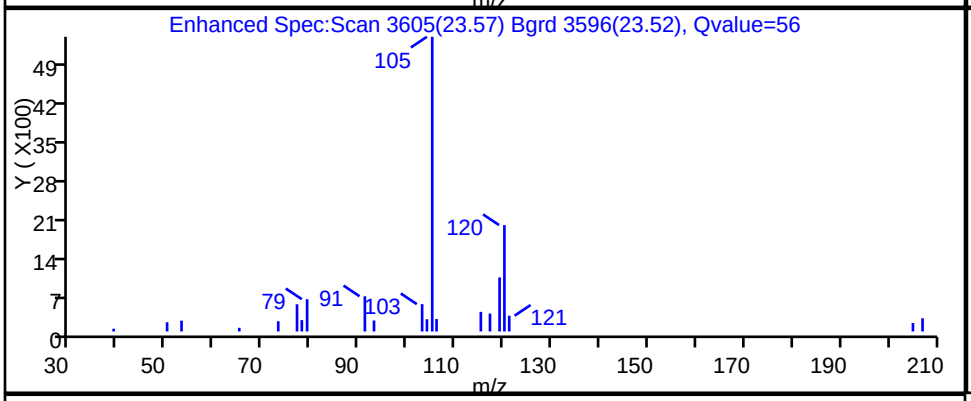
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d

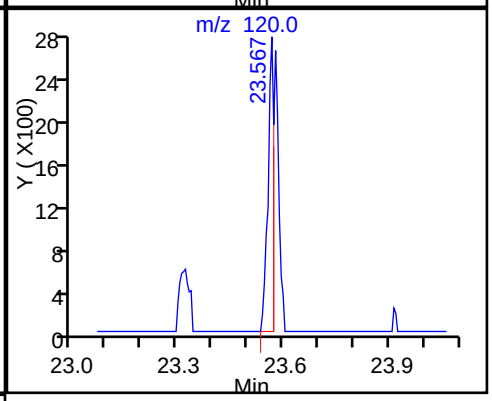
Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

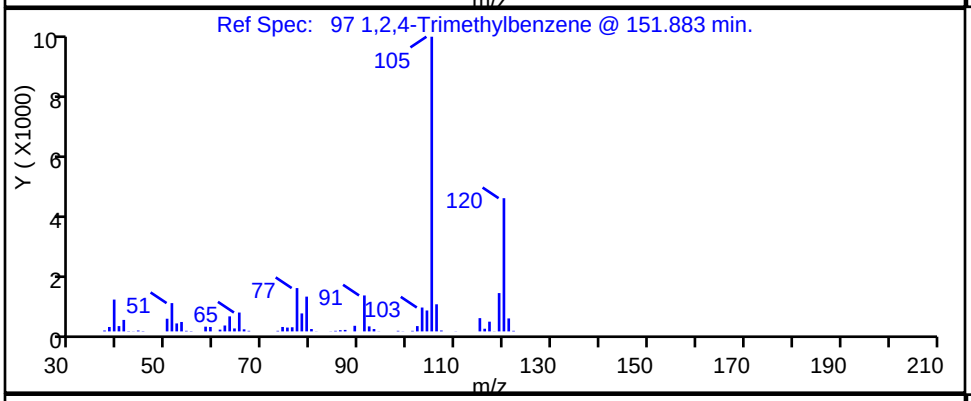
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

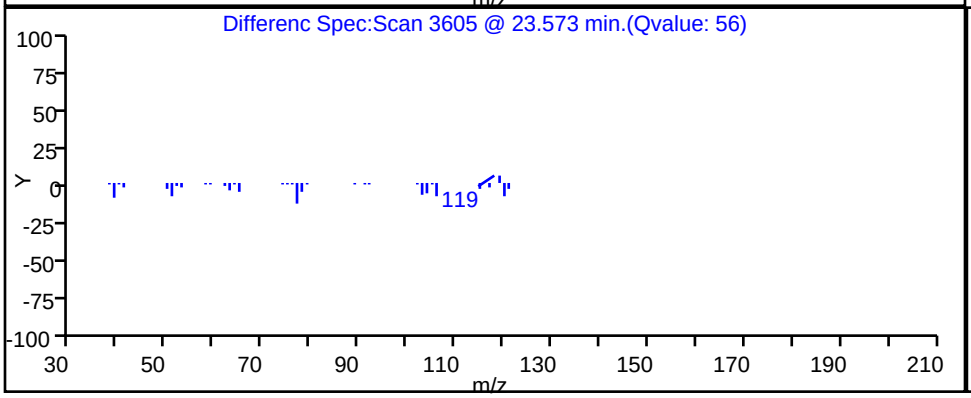


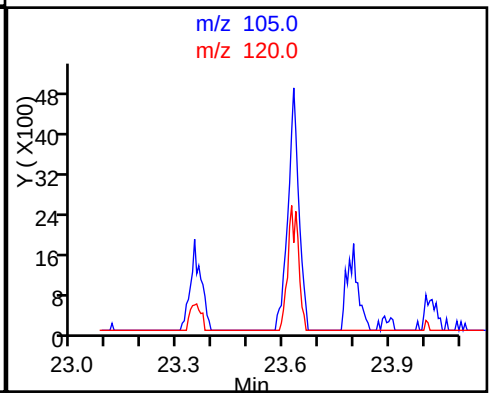












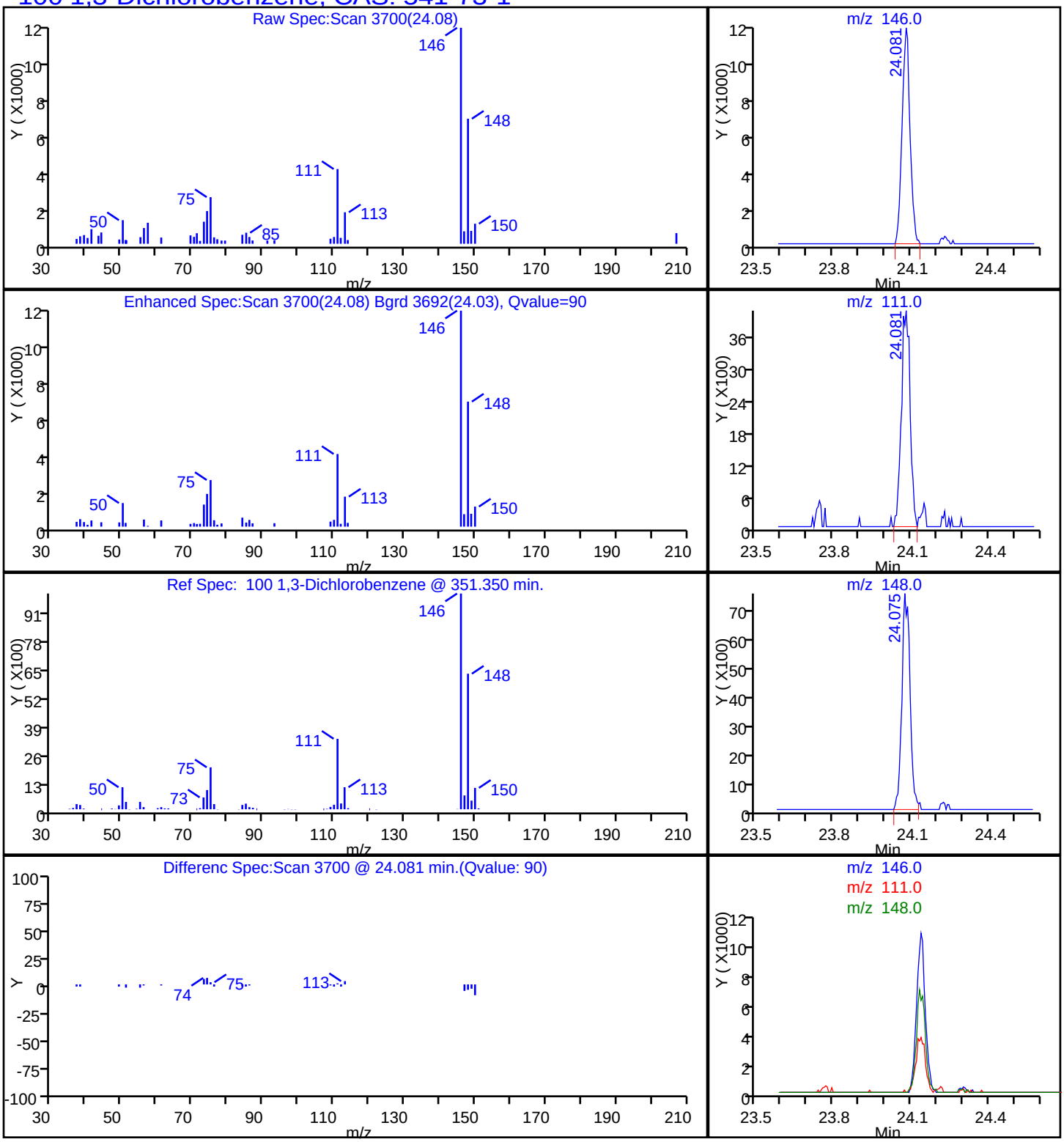
Report Date: 25-Feb-2014 09:48:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d

Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



Manual Integration/User Assign Peak Report

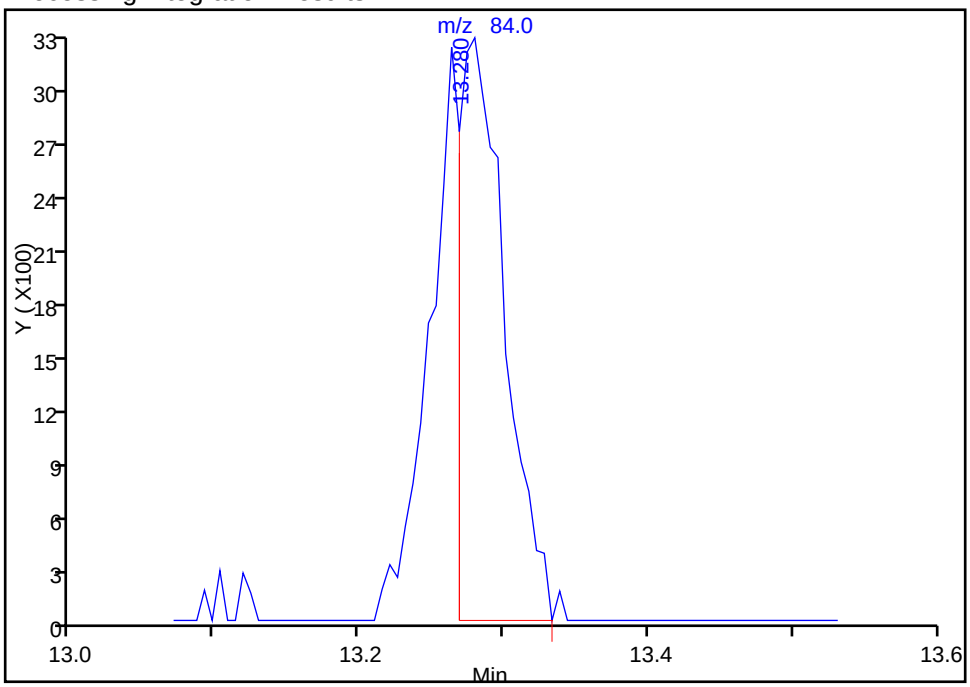
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d				
Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

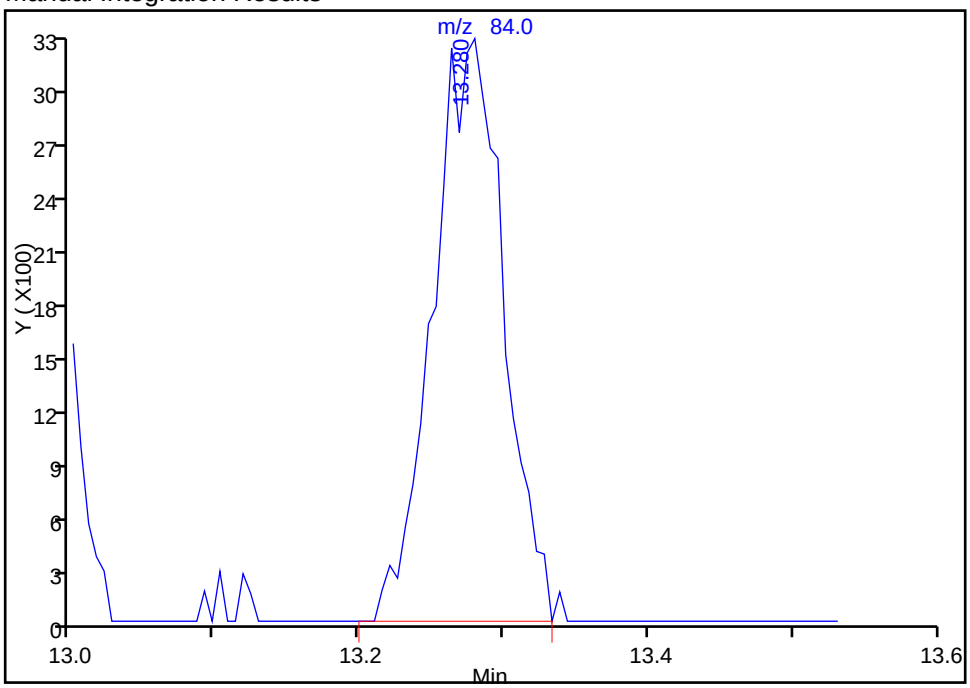
Processing Integration Results

RT: 13.28
Response: 7085
Amount: 0.109640



Manual Integration Results

RT: 13.28
Response: 10952
Amount: 0.169481



Reviewer: lyonsb, 25-Feb-2014 09:20:04
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

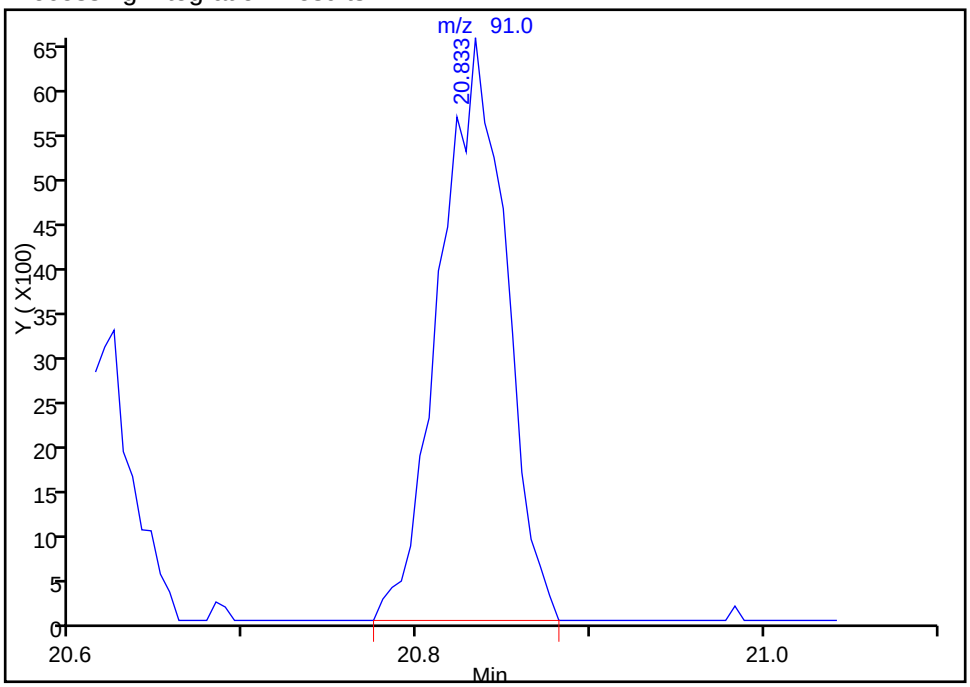
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_013.d				
Injection Date:	24-Feb-2014 21:40:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-24	Lab Sample ID:	200-20955-24		
Client ID:	SS-VMP-5A				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	5.7100		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4

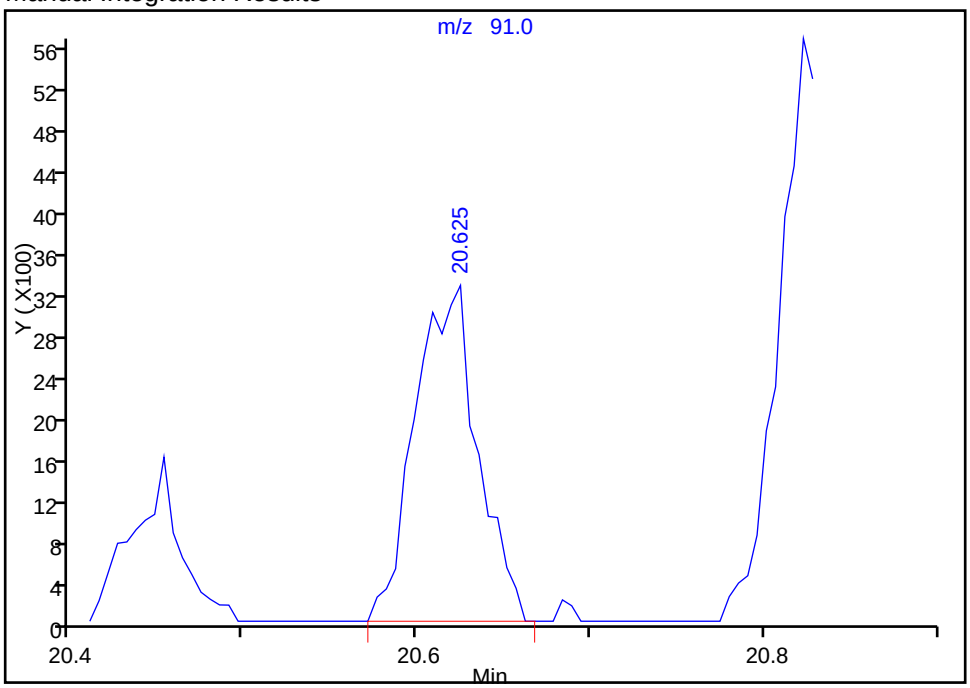
Processing Integration Results

RT: 20.83
Response: 17386
Amount: 0.063777



Manual Integration Results

RT: 20.62
Response: 8236
Amount: 0.030212



Reviewer: lyonsb, 25-Feb-2014 09:20:04
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7 Lab Sample ID: 200-20955-25

Matrix: Air Lab File ID: 6282_014.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:01

Sample wt/vol: 25(mL) Date Analyzed: 02/24/2014 22:28

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	17		4.0	0.24
75-45-6	Freon 22	86.47	4.0	U	4.0	0.38
76-14-2	Freon-114	170.92	1.6	U	1.6	0.28
74-87-3	Chloromethane	50.49	4.0	U	4.0	1.1
106-97-8	n-Butane	58.12	4.0	U	4.0	2.3
75-01-4	Vinyl chloride	62.50	0.32	U	0.32	0.30
106-99-0	1,3-Butadiene	54.09	1.6	U	1.6	0.34
74-83-9	Bromomethane	94.94	1.6	U	1.6	0.22
75-00-3	Chloroethane	64.52	4.0	U	4.0	0.24
593-60-2	Vinyl bromide	106.96	1.6	U	1.6	0.24
75-69-4	Freon 11	137.37	3.9		1.6	0.24
76-13-1	Freon 113	187.38	0.55	J	1.6	0.14
75-35-4	1,1-Dichloroethene	96.94	1.6	U	1.6	0.19
67-64-1	Acetone	58.08	36	J	40	10
67-63-0	Isopropyl alcohol	60.10	900	E	40	1.7
75-15-0	Carbon disulfide	76.14	4.0	U	4.0	0.53
107-05-1	Allyl chloride	76.53	4.0	U	4.0	0.27
75-09-2	Methylene Chloride	84.93	190		4.0	1.0
75-65-0	tert-Butyl alcohol	74.12	40	U	40	2.6
1634-04-4	Methyl tert-butyl ether	88.15	1.6	U	1.6	0.18
156-60-5	trans-1,2-Dichloroethene	96.94	1.6	U	1.6	0.23
110-54-3	Hexane	86.17	1.6	U	1.6	0.27
75-34-3	1,1-Dichloroethane	98.96	2.0		1.6	0.30
78-93-3	Methyl Ethyl Ketone	72.11	25		4.0	1.9
156-59-2	cis-1,2-Dichloroethene	96.94	1.6	U	1.6	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	0.51
67-66-3	Chloroform	119.38	1.6	U	1.6	0.20
109-99-9	Tetrahydrofuran	72.11	14	J	40	0.37
71-55-6	1,1,1-Trichloroethane	133.41	1.6	U	1.6	0.17
110-82-7	Cyclohexane	84.16	2.7		1.6	0.20
56-23-5	Carbon tetrachloride	153.81	0.32	U	0.32	0.17
540-84-1	2,2,4-Trimethylpentane	114.23	1.6	U	1.6	0.22
71-43-2	Benzene	78.11	1.6	U	1.6	0.15
107-06-2	1,2-Dichloroethane	98.96	1.6	U	1.6	0.14
142-82-5	Heptane	100.21	1.6	U	1.6	0.37

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7 Lab Sample ID: 200-20955-25

Matrix: Air Lab File ID: 6282_014.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:01

Sample wt/vol: 25(mL) Date Analyzed: 02/24/2014 22:28

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.32	U	0.32	0.19
80-62-6	Methyl methacrylate	100.12	4.0	U	4.0	0.24
78-87-5	1,2-Dichloropropane	112.99	1.6	U	1.6	0.26
123-91-1	1,4-Dioxane	88.11	40	U	40	1.6
75-27-4	Bromodichloromethane	163.83	1.6	U	1.6	0.14
10061-01-5	cis-1,3-Dichloropropene	110.97	1.6	U	1.6	0.22
108-10-1	methyl isobutyl ketone	100.16	4.0	U	4.0	0.22
108-88-3	Toluene	92.14	1.8		1.6	0.14
10061-02-6	trans-1,3-Dichloropropene	110.97	1.6	U	1.6	0.18
79-00-5	1,1,2-Trichloroethane	133.41	1.6	U	1.6	0.14
127-18-4	Tetrachloroethene	165.83	1.6	U	1.6	0.13
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.0	U	4.0	1.6
124-48-1	Dibromochloromethane	208.29	1.6	U	1.6	0.16
106-93-4	1,2-Dibromoethane	187.87	1.6	U	1.6	0.16
108-90-7	Chlorobenzene	112.56	1.6	U	1.6	0.065
100-41-4	Ethylbenzene	106.17	1.6	U	1.6	0.10
179601-23-1	m,p-Xylene	106.17	4.0	U	4.0	0.18
95-47-6	Xylene, o-	106.17	1.6	U	1.6	0.13
1330-20-7	Xylene (total)	106.17	1.6	U	1.6	0.27
100-42-5	Styrene	104.15	1.6	U	1.6	0.14
75-25-2	Bromoform	252.75	1.6	U	1.6	0.080
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.6	U	1.6	0.13
103-65-1	n-Propylbenzene	120.19	1.6	U	1.6	0.64
622-96-8	4-Ethyltoluene	120.20	1.6	U	1.6	0.14
108-67-8	1,3,5-Trimethylbenzene	120.20	1.6	U	1.6	0.096
95-49-8	2-Chlorotoluene	126.59	1.6	U	1.6	0.10
98-06-6	tert-Butylbenzene	134.22	1.6	U	1.6	0.14
95-63-6	1,2,4-Trimethylbenzene	120.20	1.6	U	1.6	0.11
135-98-8	sec-Butylbenzene	134.22	1.6	U	1.6	0.64
99-87-6	4-Isopropyltoluene	134.22	1.6	U	1.6	0.64
541-73-1	1,3-Dichlorobenzene	147.00	0.65	J B	1.6	0.11
106-46-7	1,4-Dichlorobenzene	147.00	1.6	U	1.6	0.11
100-44-7	Benzyl chloride	126.58	1.6	U	1.6	0.64
104-51-8	n-Butylbenzene	134.22	1.6	U	1.6	0.64

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7 Lab Sample ID: 200-20955-25

Matrix: Air Lab File ID: 6282_014.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:01

Sample wt/vol: 25(mL) Date Analyzed: 02/24/2014 22:28

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.6	U	1.6	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	4.0	U	4.0	0.22
87-68-3	Hexachloro-1,3-butadiene	260.76	1.6	U	1.6	0.18
91-20-3	Naphthalene	128.17	4.0	U	4.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7 Lab Sample ID: 200-20955-25

Matrix: Air Lab File ID: 6282_014.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:01

Sample wt/vol: 25(mL) Date Analyzed: 02/24/2014 22:28

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	85		20	1.2
75-45-6	Freon 22	86.47	14	U	14	1.4
76-14-2	Freon-114	170.92	11	U	11	2.0
74-87-3	Chloromethane	50.49	8.3	U	8.3	2.2
106-97-8	n-Butane	58.12	9.5	U	9.5	5.4
75-01-4	Vinyl chloride	62.50	0.82	U	0.82	0.78
106-99-0	1,3-Butadiene	54.09	3.5	U	3.5	0.74
74-83-9	Bromomethane	94.94	6.2	U	6.2	0.87
75-00-3	Chloroethane	64.52	11	U	11	0.63
593-60-2	Vinyl bromide	106.96	7.0	U	7.0	1.0
75-69-4	Freon 11	137.37	22		9.0	1.3
76-13-1	Freon 113	187.38	4.2	J	12	1.1
75-35-4	1,1-Dichloroethene	96.94	6.3	U	6.3	0.76
67-64-1	Acetone	58.08	86	J	95	24
67-63-0	Isopropyl alcohol	60.10	2200	E	98	4.2
75-15-0	Carbon disulfide	76.14	12	U	12	1.6
107-05-1	Allyl chloride	76.53	13	U	13	0.85
75-09-2	Methylene Chloride	84.93	670		14	3.5
75-65-0	tert-Butyl alcohol	74.12	120	U	120	8.0
1634-04-4	Methyl tert-butyl ether	88.15	5.8	U	5.8	0.63
156-60-5	trans-1,2-Dichloroethene	96.94	6.3	U	6.3	0.92
110-54-3	Hexane	86.17	5.6	U	5.6	0.96
75-34-3	1,1-Dichloroethane	98.96	8.3		6.5	1.2
78-93-3	Methyl Ethyl Ketone	72.11	73		12	5.7
156-59-2	cis-1,2-Dichloroethene	96.94	6.3	U	6.3	1.2
540-59-0	1,2-Dichloroethene, Total	96.94	6.3	U	6.3	2.0
67-66-3	Chloroform	119.38	7.8	U	7.8	0.98
109-99-9	Tetrahydrofuran	72.11	40	J	120	1.1
71-55-6	1,1,1-Trichloroethane	133.41	8.7	U	8.7	0.92
110-82-7	Cyclohexane	84.16	9.4		5.5	0.69
56-23-5	Carbon tetrachloride	153.81	2.0	U	2.0	1.1
540-84-1	2,2,4-Trimethylpentane	114.23	7.5	U	7.5	1.0
71-43-2	Benzene	78.11	5.1	U	5.1	0.49
107-06-2	1,2-Dichloroethane	98.96	6.5	U	6.5	0.55
142-82-5	Heptane	100.21	6.6	U	6.6	1.5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7 Lab Sample ID: 200-20955-25

Matrix: Air Lab File ID: 6282_014.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:01

Sample wt/vol: 25(mL) Date Analyzed: 02/24/2014 22:28

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.7	U	1.7	1.0
80-62-6	Methyl methacrylate	100.12	16	U	16	0.98
78-87-5	1,2-Dichloropropane	112.99	7.4	U	7.4	1.2
123-91-1	1,4-Dioxane	88.11	140	U	140	5.8
75-27-4	Bromodichloromethane	163.83	11	U	11	0.91
10061-01-5	cis-1,3-Dichloropropene	110.97	7.3	U	7.3	1.0
108-10-1	methyl isobutyl ketone	100.16	16	U	16	0.88
108-88-3	Toluene	92.14	6.6		6.0	0.51
10061-02-6	trans-1,3-Dichloropropene	110.97	7.3	U	7.3	0.80
79-00-5	1,1,2-Trichloroethane	133.41	8.7	U	8.7	0.74
127-18-4	Tetrachloroethene	165.83	11	U	11	0.87
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	16	U	16	6.6
124-48-1	Dibromochloromethane	208.29	14	U	14	1.4
106-93-4	1,2-Dibromoethane	187.87	12	U	12	1.2
108-90-7	Chlorobenzene	112.56	7.4	U	7.4	0.30
100-41-4	Ethylbenzene	106.17	6.9	U	6.9	0.45
179601-23-1	m,p-Xylene	106.17	17	U	17	0.80
95-47-6	Xylene, o-	106.17	6.9	U	6.9	0.56
1330-20-7	Xylene (total)	106.17	6.9	U	6.9	1.2
100-42-5	Styrene	104.15	6.8	U	6.8	0.61
75-25-2	Bromoform	252.75	17	U	17	0.83
79-34-5	1,1,2,2-Tetrachloroethane	167.85	11	U	11	0.88
103-65-1	n-Propylbenzene	120.19	7.9	U	7.9	3.1
622-96-8	4-Ethyltoluene	120.20	7.9	U	7.9	0.71
108-67-8	1,3,5-Trimethylbenzene	120.20	7.9	U	7.9	0.47
95-49-8	2-Chlorotoluene	126.59	8.3	U	8.3	0.54
98-06-6	tert-Butylbenzene	134.22	8.8	U	8.8	0.75
95-63-6	1,2,4-Trimethylbenzene	120.20	7.9	U	7.9	0.55
135-98-8	sec-Butylbenzene	134.22	8.8	U	8.8	3.5
99-87-6	4-Isopropyltoluene	134.22	8.8	U	8.8	3.5
541-73-1	1,3-Dichlorobenzene	147.00	3.9	J B	9.6	0.67
106-46-7	1,4-Dichlorobenzene	147.00	9.6	U	9.6	0.67
100-44-7	Benzyl chloride	126.58	8.3	U	8.3	3.3
104-51-8	n-Butylbenzene	134.22	8.8	U	8.8	3.5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7 Lab Sample ID: 200-20955-25

Matrix: Air Lab File ID: 6282_014.d

Analysis Method: TO-15 Date Collected: 02/12/2014 17:01

Sample wt/vol: 25(mL) Date Analyzed: 02/24/2014 22:28

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.6	U	9.6	0.67
120-82-1	1,2,4-Trichlorobenzene	181.45	30	U	30	1.6
87-68-3	Hexachloro-1,3-butadiene	260.76	17	U	17	1.9
91-20-3	Naphthalene	128.17	21	U	21	8.4

Report Date: 25-Feb-2014 09:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d
Lims ID: 200-20955-A-25 Lab Sample ID: 200-20955-25
Client ID: SS-VMP-7
Sample Type: Client
Inject. Date: 24-Feb-2014 22:28:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 8.0000
Sample Info: 200-0006282-014
Misc. Info.: 200-20955-a-25@8 25ml
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 09:48:16 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 25-Feb-2014 09:23:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.410	4.463	-0.053	99	361648	2.14	
6 Chlorodifluoromethane	51		4.528					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.816					
8 Chloromethane	50		5.009					
9 Butane	43		5.276					
10 Vinyl chloride	62		5.335					
11 Butadiene	54		5.432					
12 Bromomethane	94		6.298					
14 Chloroethane	64		6.587					
16 Vinyl bromide	106		7.063					
17 Trichlorofluoromethane	101	7.181	7.181	0.0	89	91865	0.4853	M
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.417	8.433	-0.016	81	8185	0.0691	
24 1,1-Dichloroethene	96		8.508					
25 Acetone	43	8.797	8.743	0.053	86	242952	4.53	
26 Carbon disulfide	76		8.995					
27 Isopropyl alcohol	45	9.085	9.027	0.058	97	5029556	112.0	E
29 3-Chloro-1-propene	41		9.401					
31 Methylene Chloride	49	9.738	9.727	0.011	78	893758	23.9	
32 2-Methyl-2-propanol	59		9.904					
33 Methyl tert-butyl ether	73		10.155					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.230					
36 Hexane	57		10.648					
37 1,1-Dichloroethane	63	11.220	11.193	0.027	82	21204	0.2561	
39 cis-1,2-Dichloroethene	96		12.370					
40 2-Butanone (MEK)	72	12.424	12.386	0.038	96	70531	3.11	
44 Tetrahydrofuran	42	12.884	12.846	0.038	80	57477	1.71	
* 43 Chlorobromomethane	128	12.878	12.857	0.021	73	369272	10.0	
45 Chloroform	83		12.964					
46 Cyclohexane	84	13.264	13.258	0.006	81	22216	0.3429	M
47 1,1,1-Trichloroethane	97		13.274					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	48	Carbon tetrachloride	117		13.531					
	51	Isooctane	57		13.922					
	50	Benzene	78		13.980					
	52	1,2-Dichloroethane	62		14.141					
	53	n-Heptane	43		14.269					
*	54	1,4-Difluorobenzene	114	14.761	14.745	0.016	92	1774537	10.0	
	56	Trichloroethene	95		15.206					
	58	1,2-Dichloropropane	63		15.730					
	59	Methyl methacrylate	69		15.810					
	60	1,4-Dioxane	88		15.901					
	62	Dichlorobromomethane	83		16.217					
	64	cis-1,3-Dichloropropene	75		17.083					
	65	4-Methyl-2-pentanone (MIBK)	43		17.319					
	66	Toluene	92	17.672	17.656	0.016	90	25701	0.2201	
	70	trans-1,3-Dichloropropene	75		18.191					
	71	1,1,2-Trichloroethane	83		18.554					
	72	Tetrachloroethene	166		18.699					
	73	2-Hexanone	43		18.945					
	74	Chlorodibromomethane	129		19.314					
	75	Ethylene Dibromide	107		19.598					
S	82	Xylenes, Total	106		20.100					
*	76	Chlorobenzene-d5	117	20.448	20.443	0.005	83	1610308	10.0	
	77	Chlorobenzene	112		20.496					
	78	Ethylbenzene	91		20.614					
	80	m-Xylene & p-Xylene	106		20.833					
	83	o-Xylene	106		21.545					
	84	Styrene	104		21.582					
	85	Bromoform	173		21.957					
$	87	4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1051946	NC	
	88	1,1,2,2-Tetrachloroethane	83		22.668					
	90	N-Propylbenzene	91		22.743					
	91	4-Ethyltoluene	105		22.909					
	92	2-Chlorotoluene	91		22.941					
	94	1,3,5-Trimethylbenzene	105		23.000					
	96	tert-Butylbenzene	119		23.476					
	97	1,2,4-Trimethylbenzene	105		23.567					
	98	sec-Butylbenzene	105		23.808					
	99	4-Isopropyltoluene	119		24.011					
	100	1,3-Dichlorobenzene	146	24.081	24.081	0.0	92	18494	0.0808	
	101	1,4-Dichlorobenzene	146		24.225					
	102	Benzyl chloride	91		24.434					
	103	n-Butylbenzene	91		24.648					
	105	1,2-Dichlorobenzene	146		24.830					
	107	1,2,4-Trichlorobenzene	180		27.729					
	108	Hexachlorobutadiene	225		27.932					
	109	Naphthalene	128		28.312					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

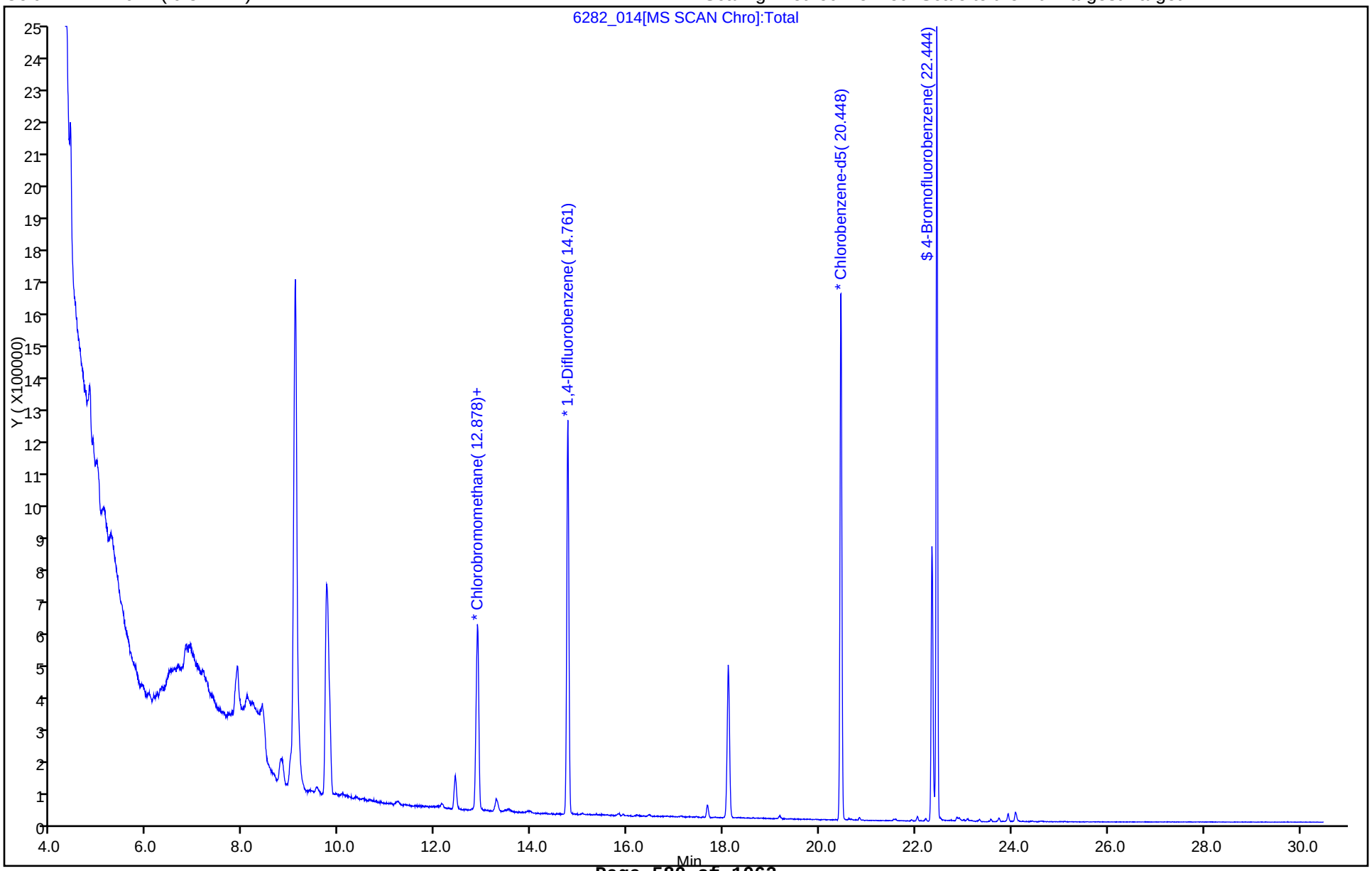
Report Date: 25-Feb-2014 09:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d

Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25	Worklist Smp#:	14
Client ID:	SS-VMP-7				
Purge Vol:	200.000 mL	Dil. Factor:	8.0000	ALS Bottle#:	13
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



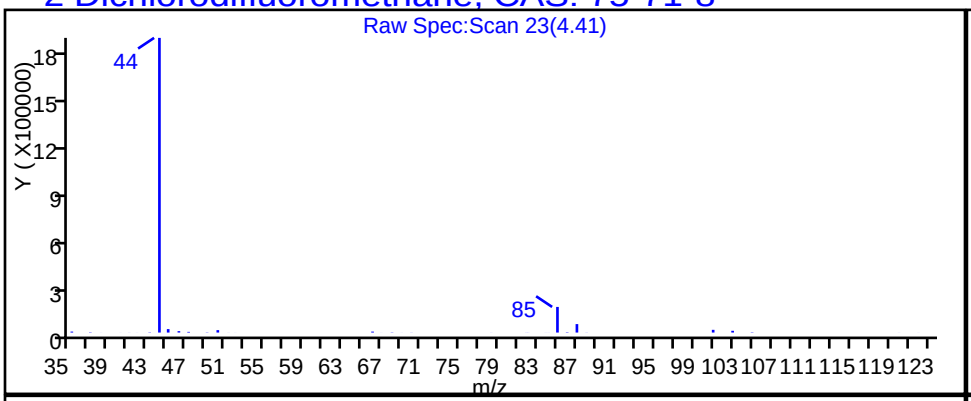
Report Date: 25-Feb-2014 09:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

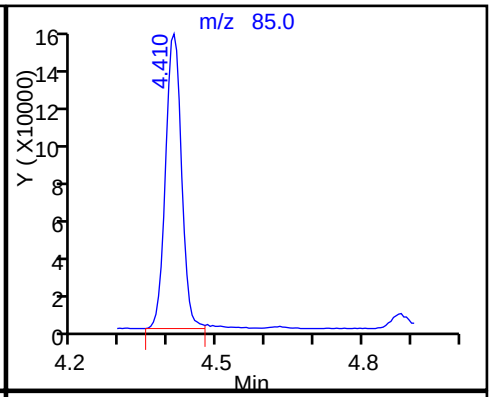
TestAmerica Burlington

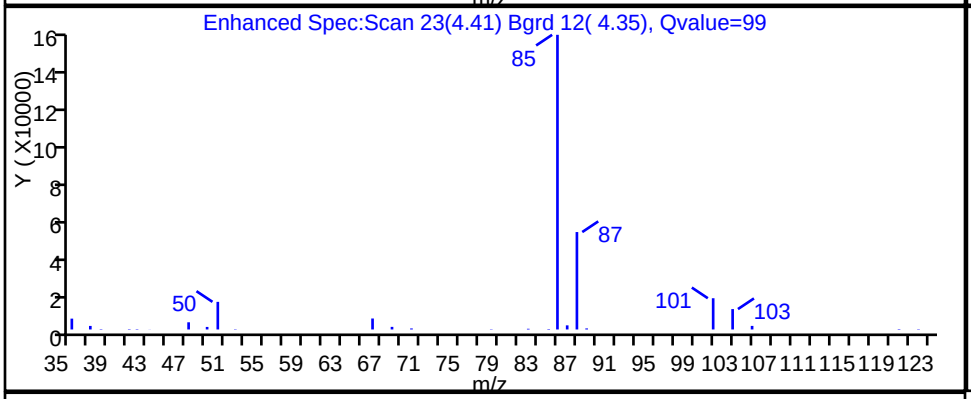
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d

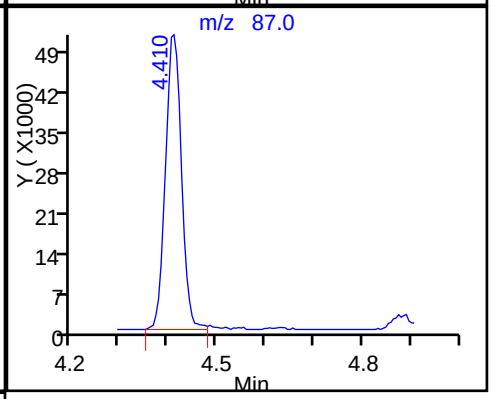
Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25		
Client ID:	SS-VMP-7				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

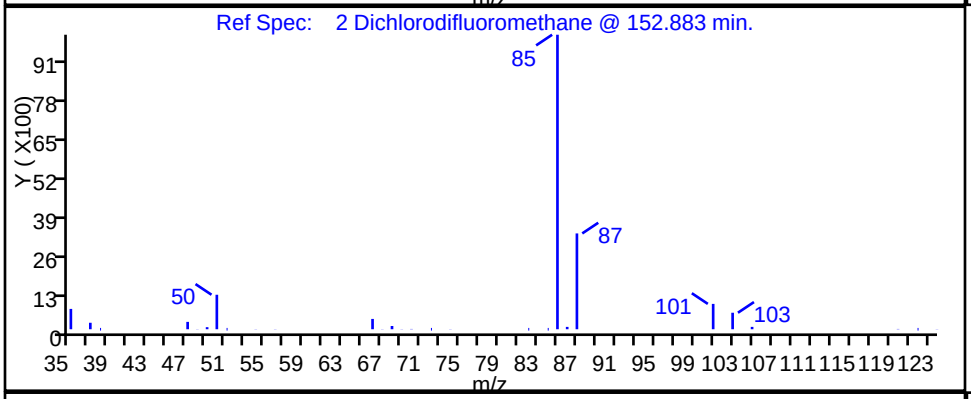
2 Dichlorodifluoromethane, CAS: 75-71-8

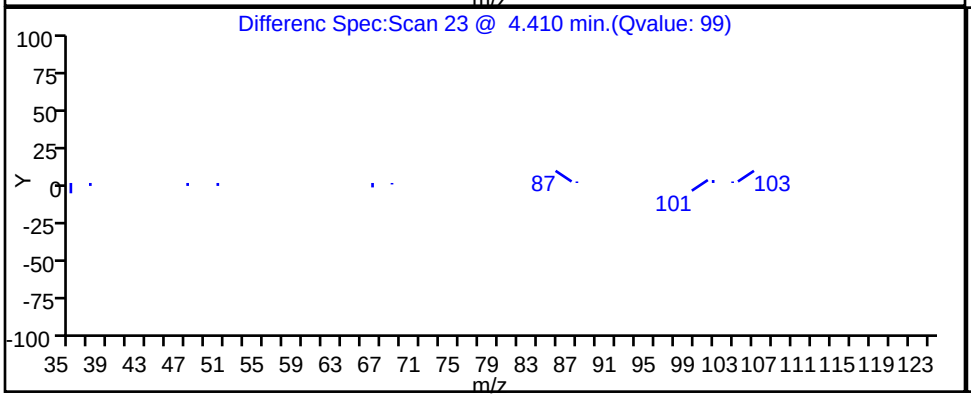


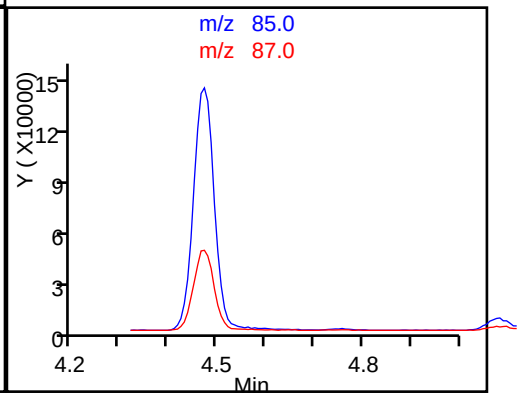












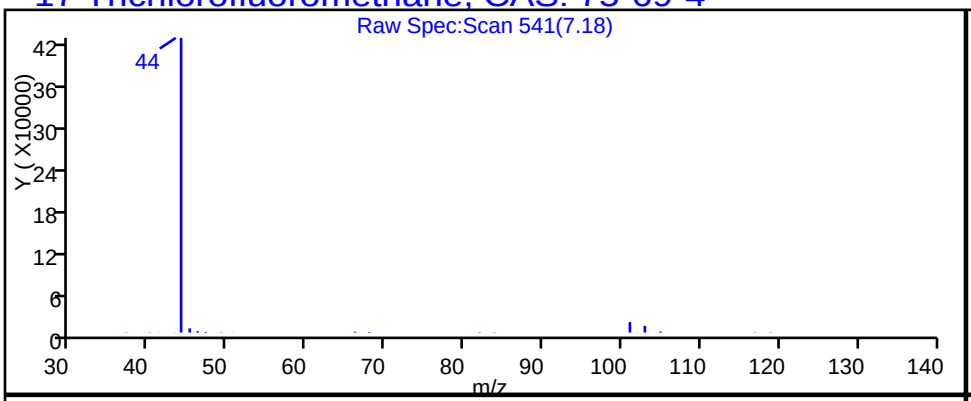
Report Date: 25-Feb-2014 09:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

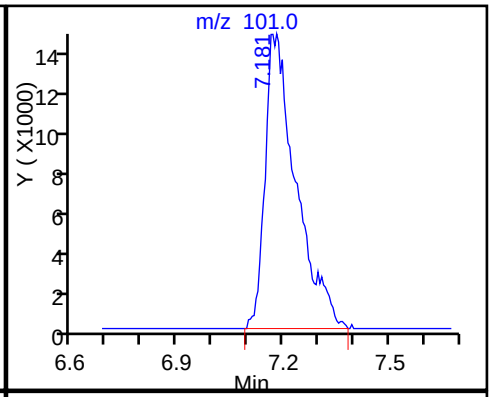
TestAmerica Burlington

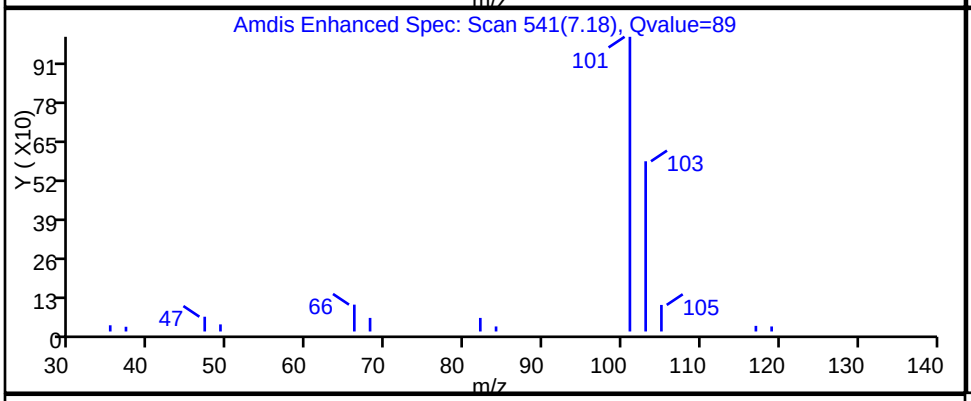
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d

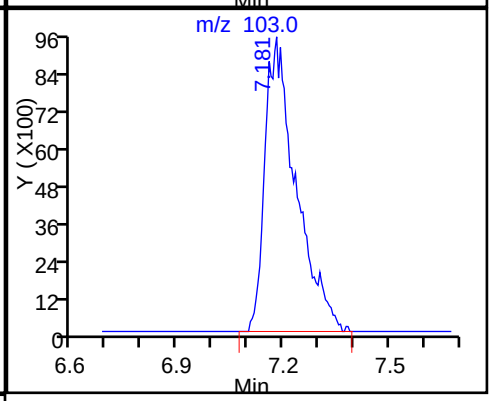
Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25		
Client ID:	SS-VMP-7				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

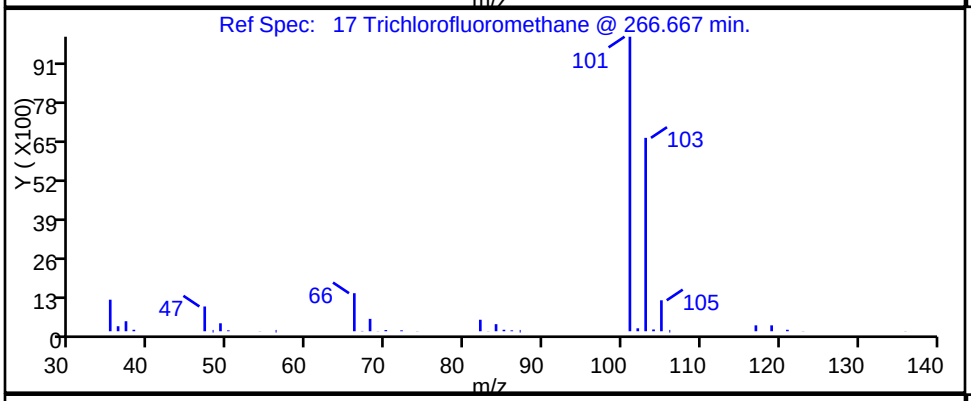
17 Trichlorofluoromethane, CAS: 75-69-4

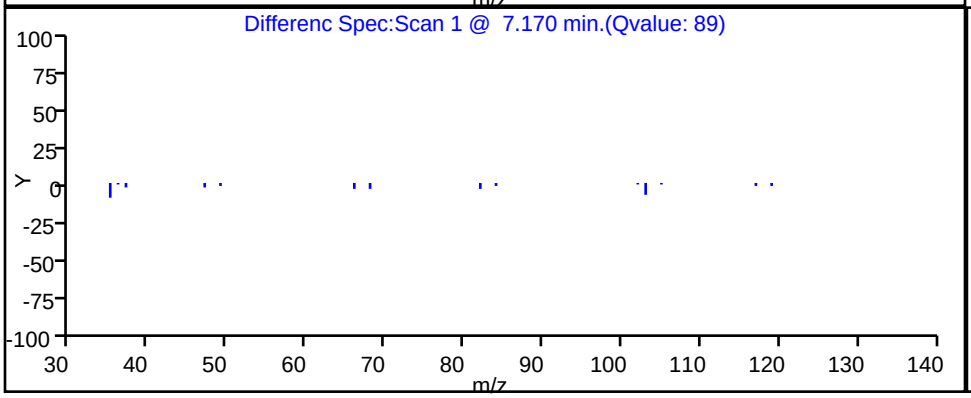


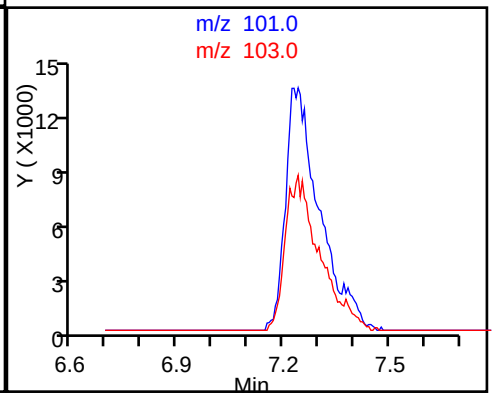












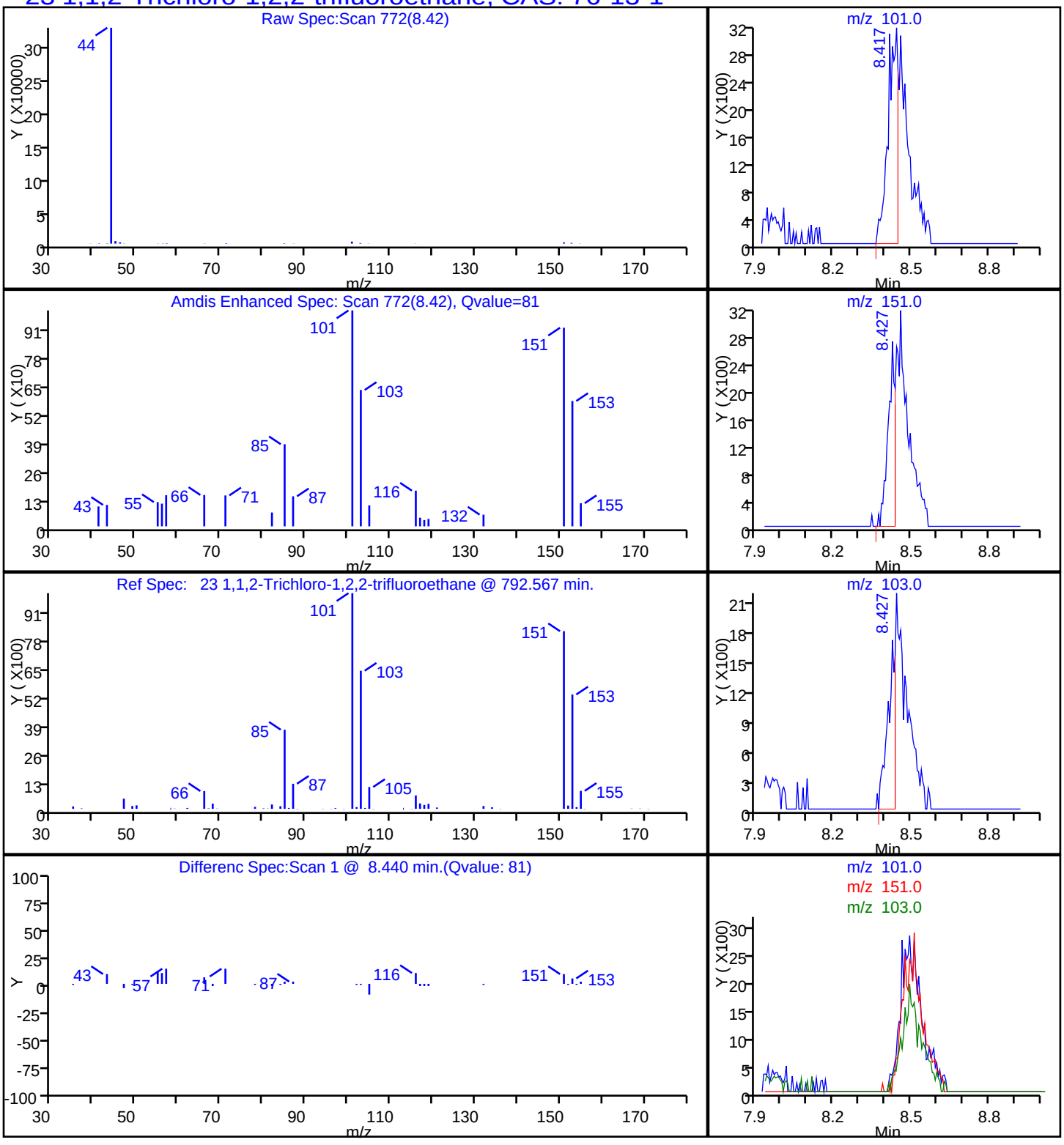
Report Date: 25-Feb-2014 09:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d

Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25		
Client ID:	SS-VMP-7				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



Report Date: 25-Feb-2014 09:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

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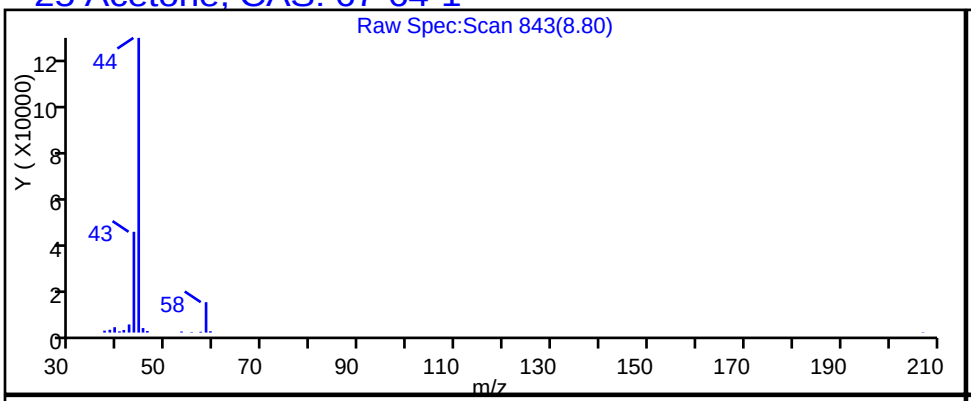
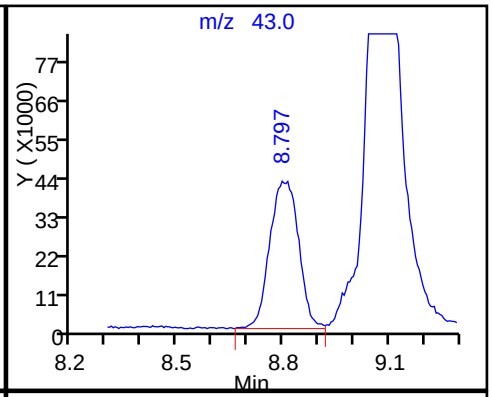
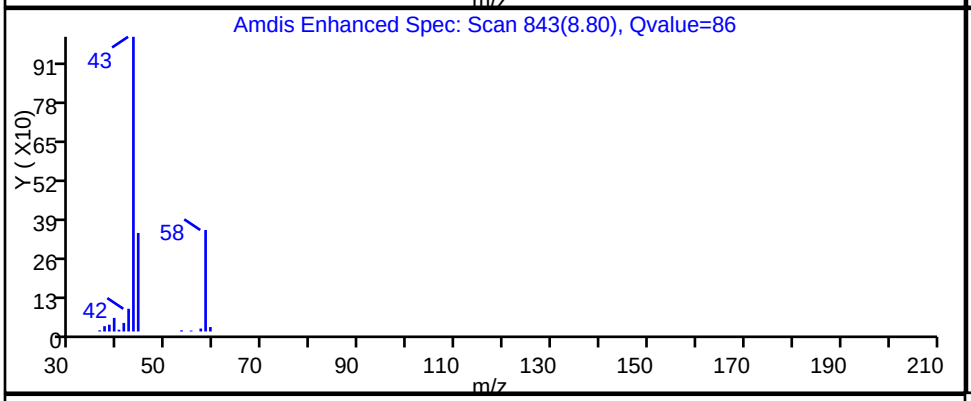
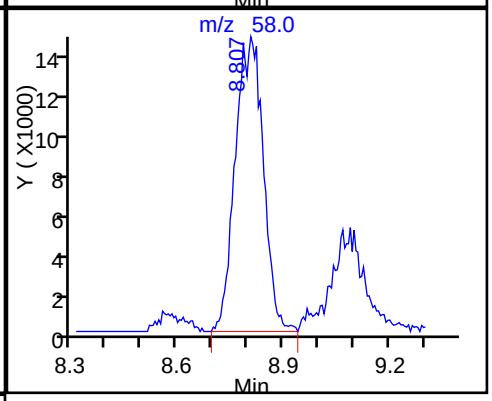
Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25		
Client ID:	SS-VMP-7				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

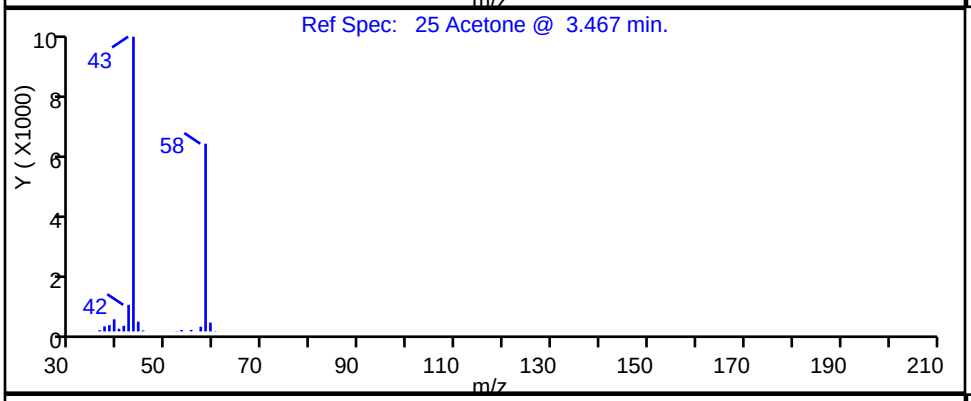
25 Acetone, CAS: 67-64-1

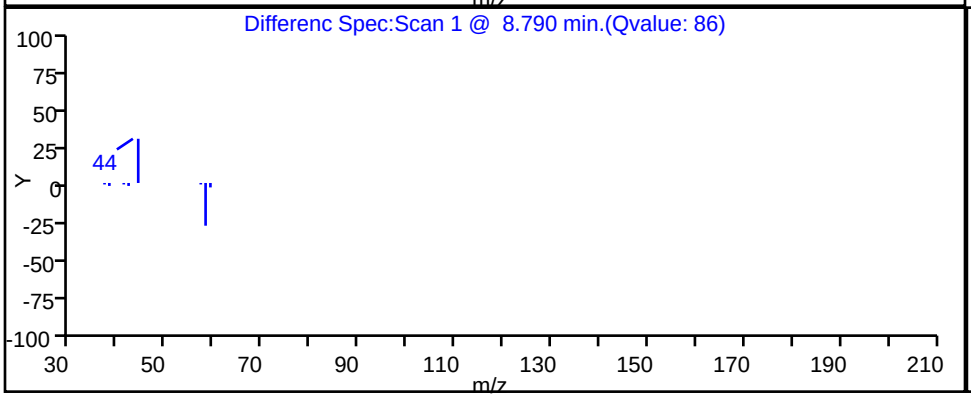


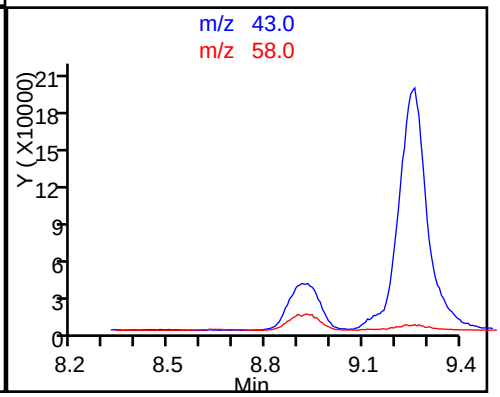












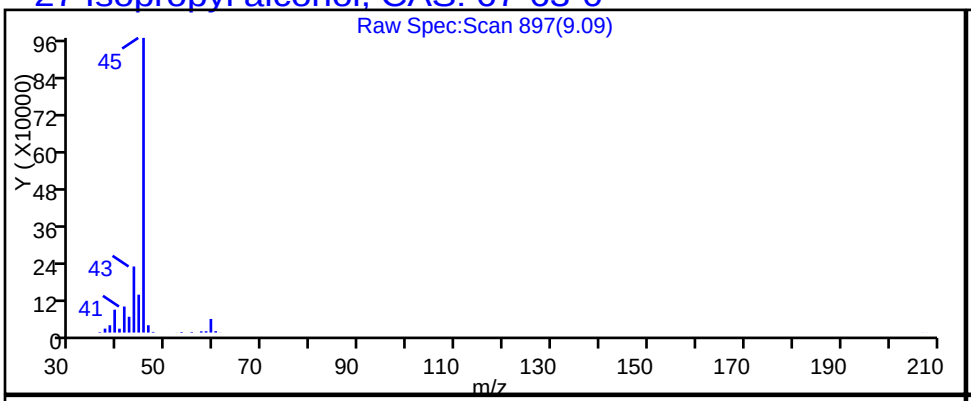
Report Date: 25-Feb-2014 09:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

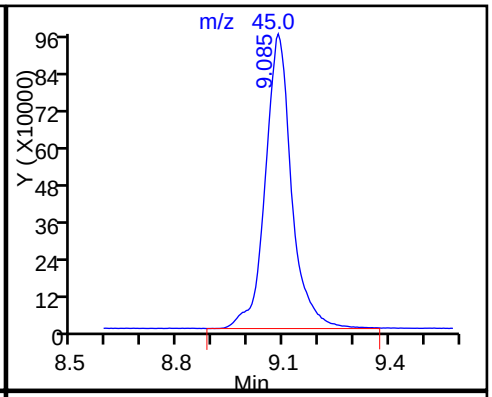
TestAmerica Burlington

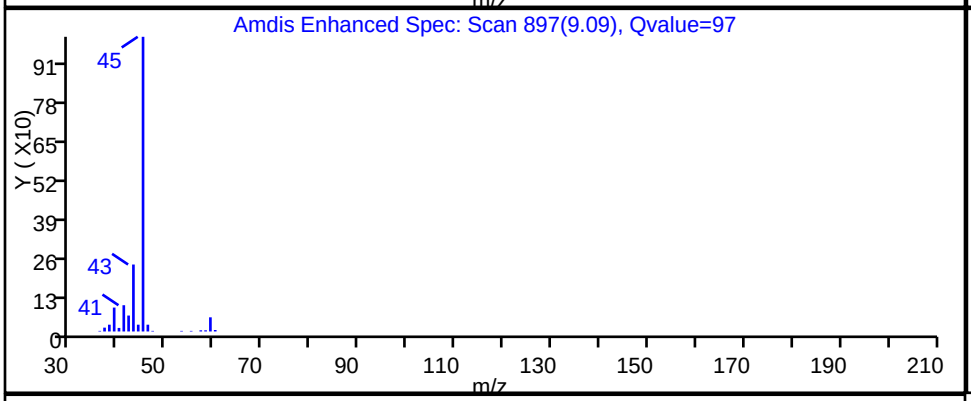
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d

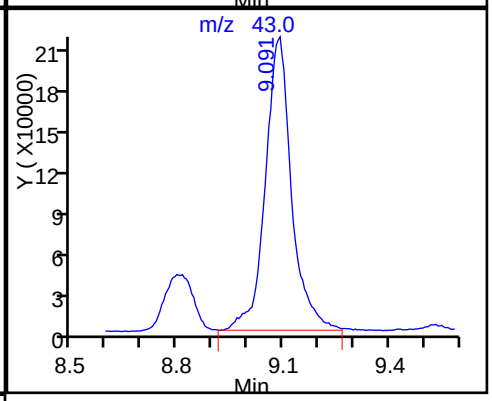
Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25		
Client ID:	SS-VMP-7				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

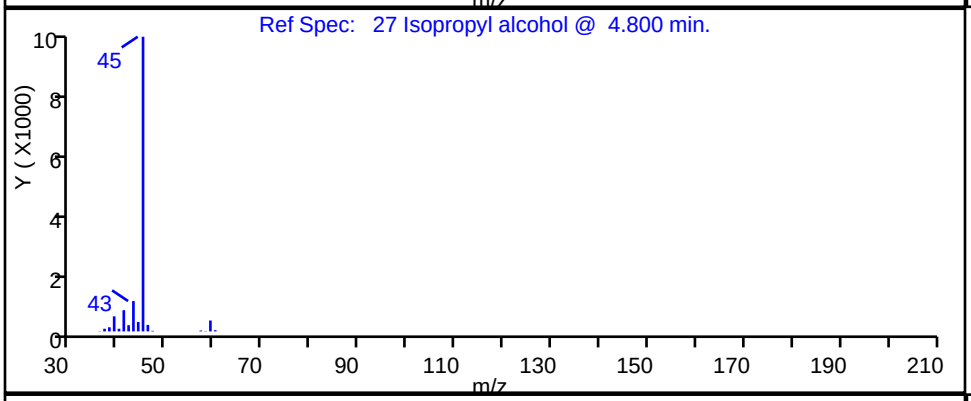
27 Isopropyl alcohol, CAS: 67-63-0

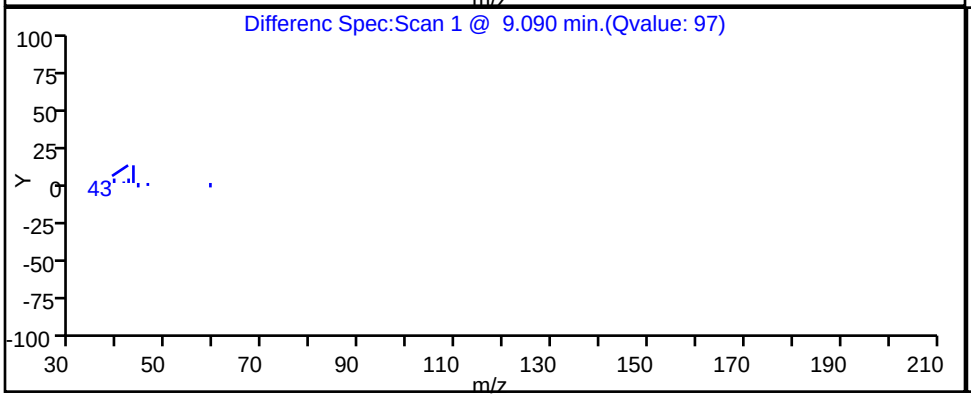


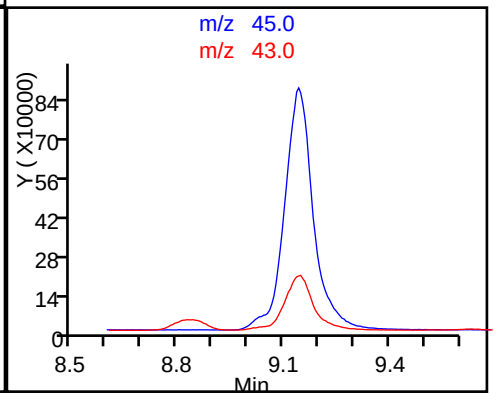












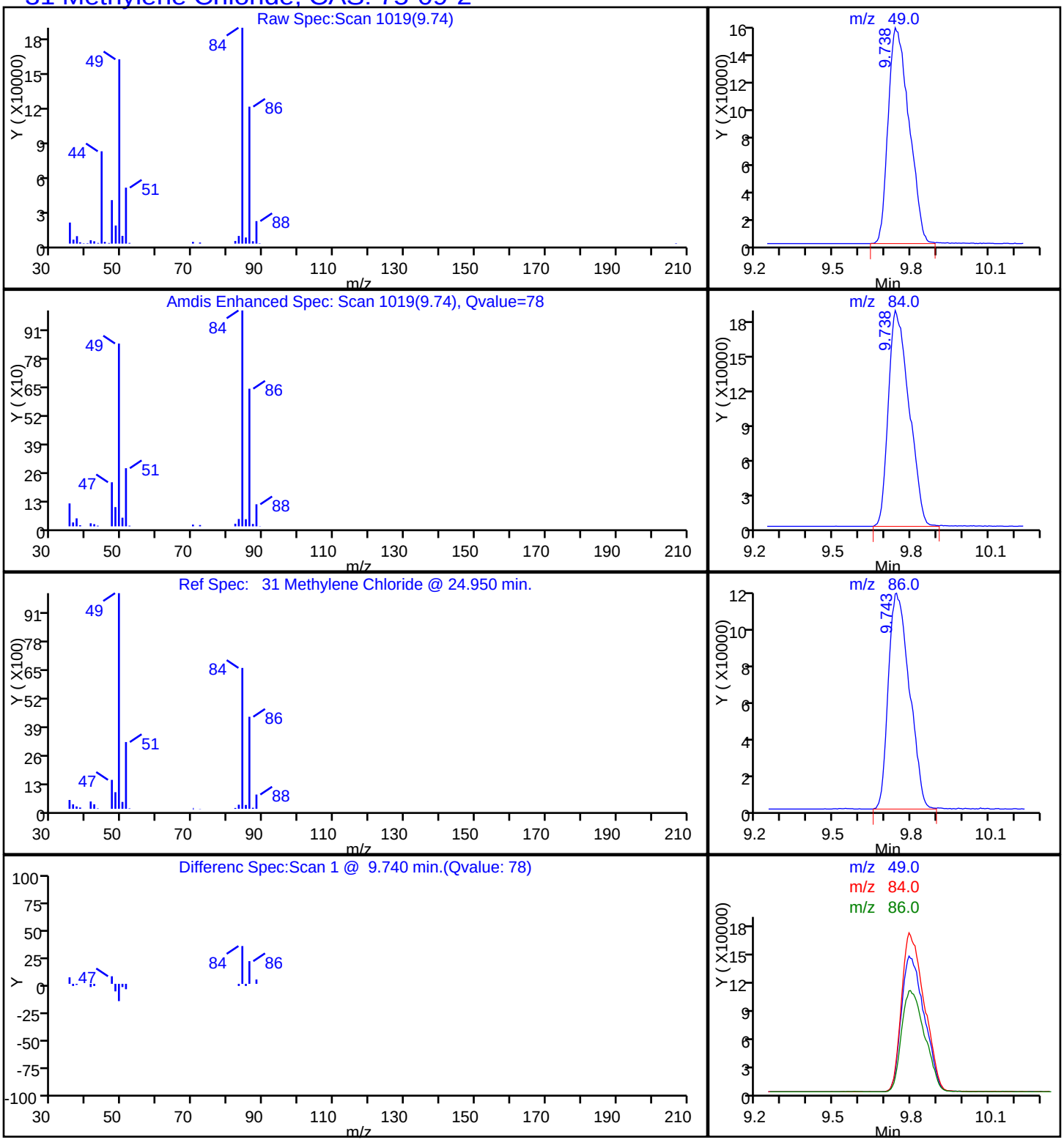
Report Date: 25-Feb-2014 09:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d

Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25		
Client ID:	SS-VMP-7				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



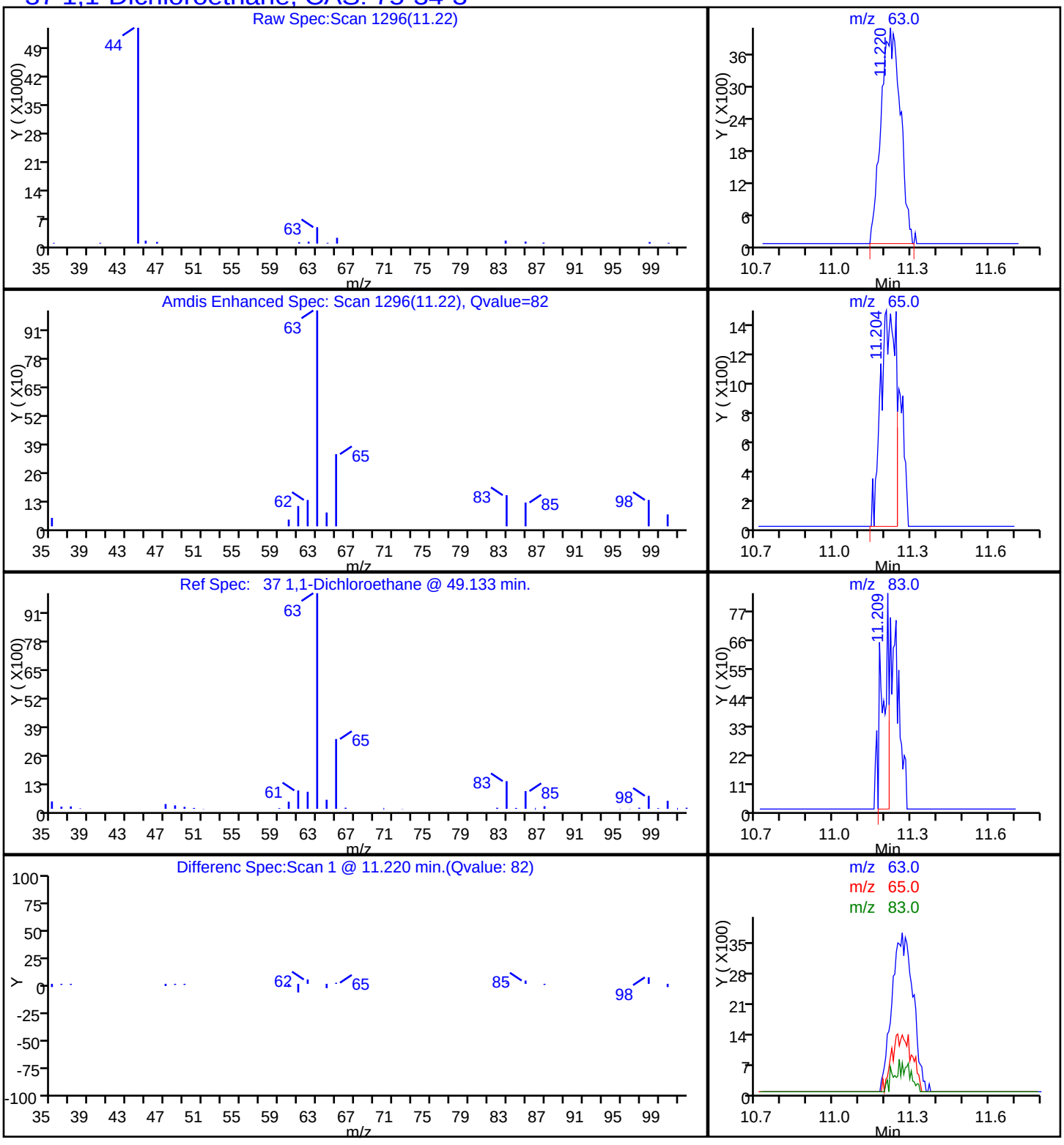
Report Date: 25-Feb-2014 09:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d

Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25		
Client ID:	SS-VMP-7				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



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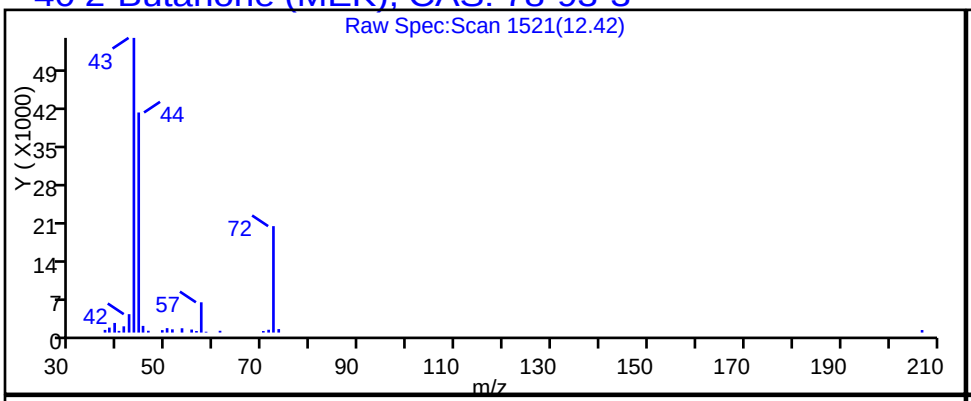
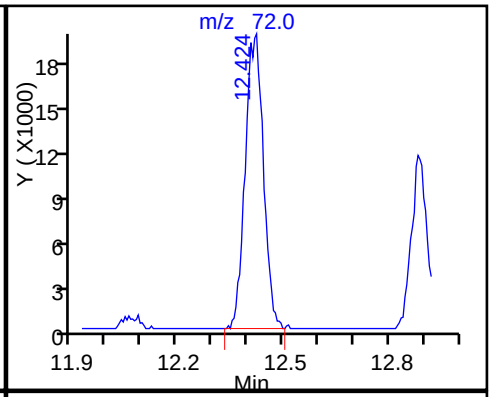
TestAmerica Burlington

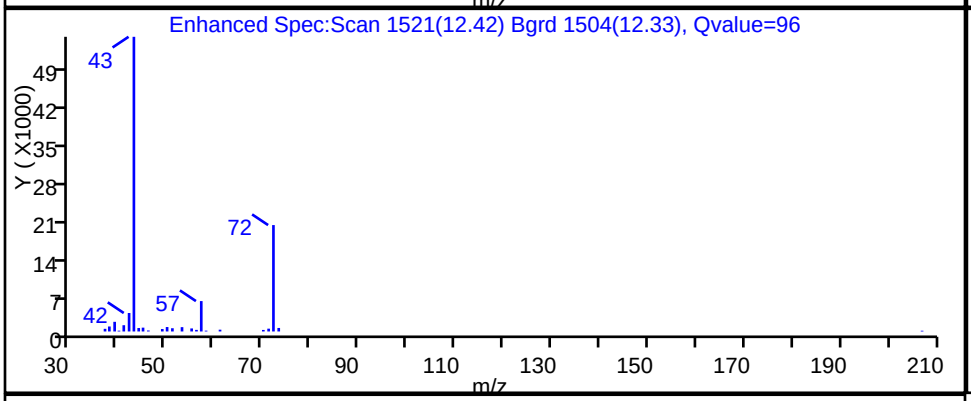
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d

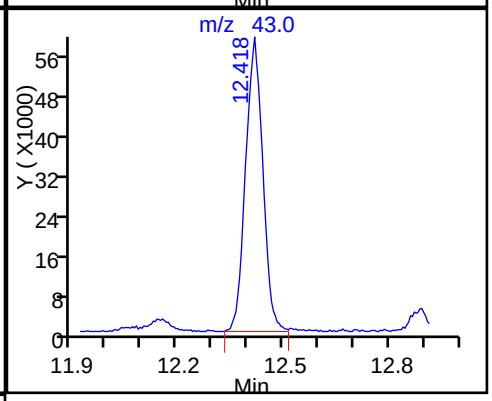
Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25		
Client ID:	SS-VMP-7				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

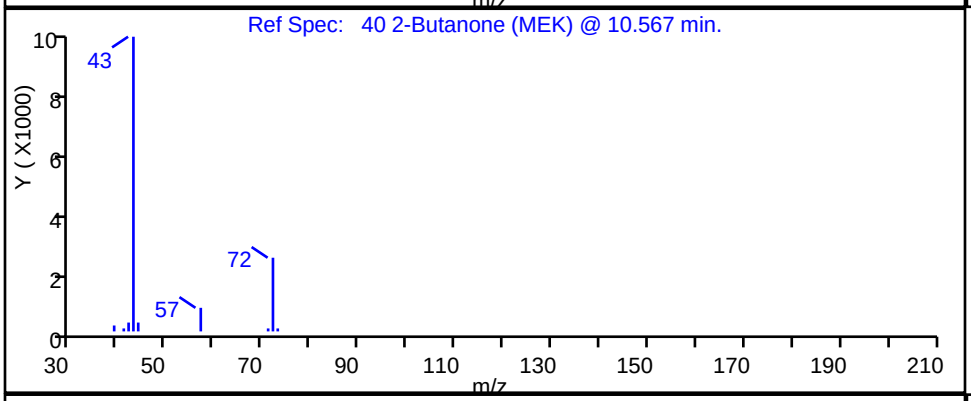
40 2-Butanone (MEK), CAS: 78-93-3

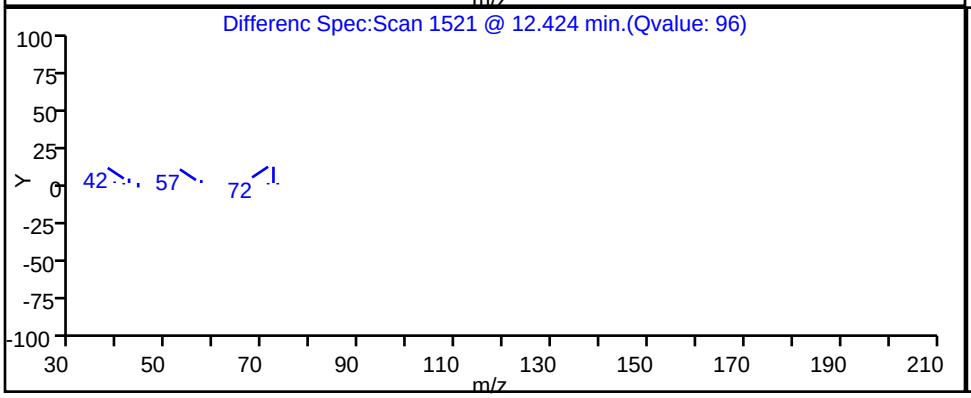


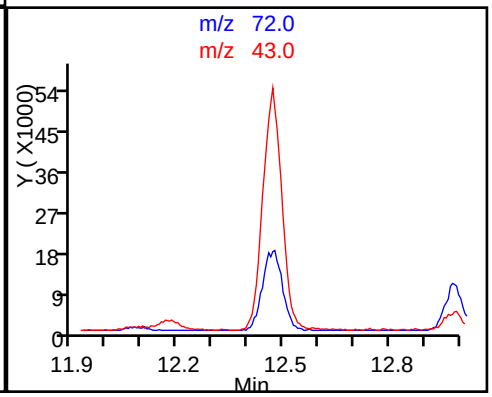












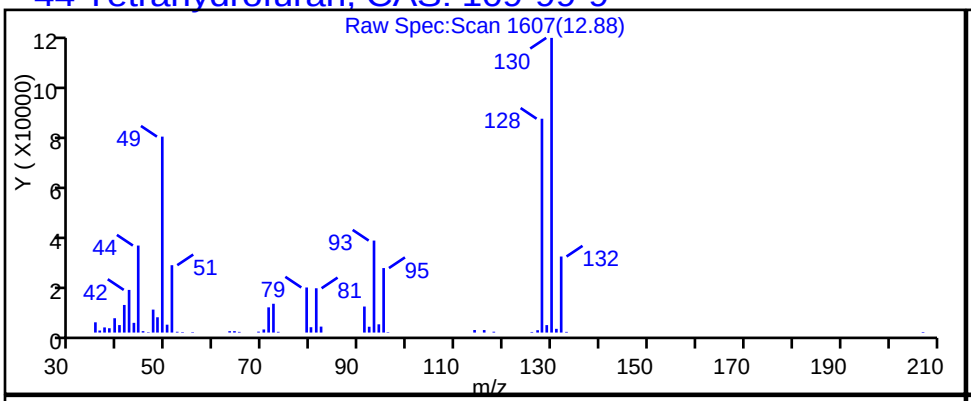
Report Date: 25-Feb-2014 09:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

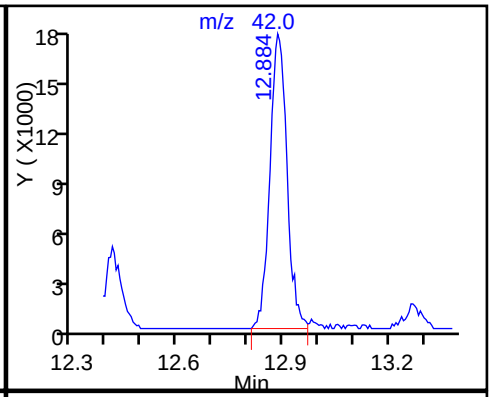
TestAmerica Burlington

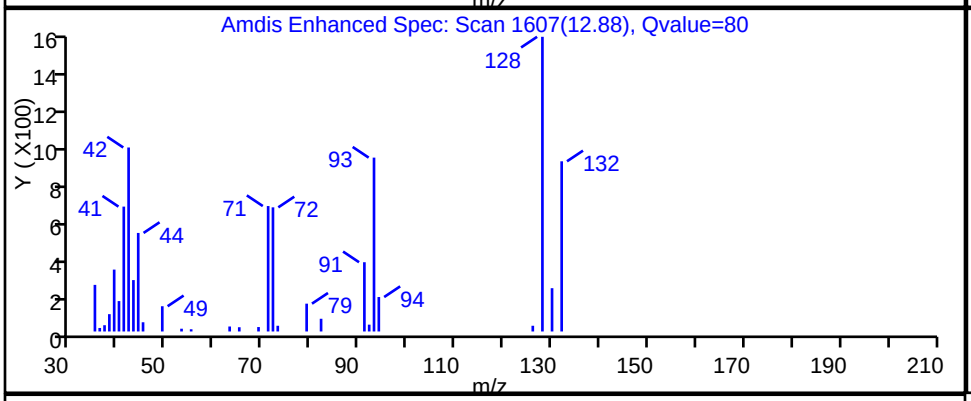
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d

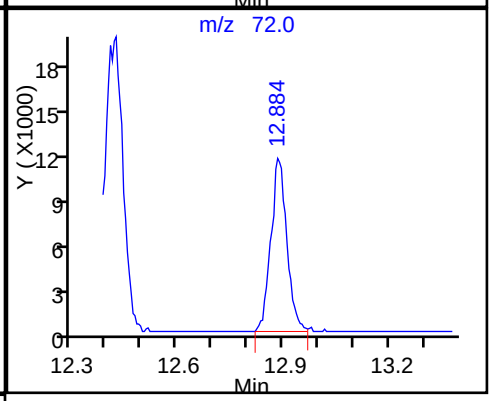
Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25		
Client ID:	SS-VMP-7				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

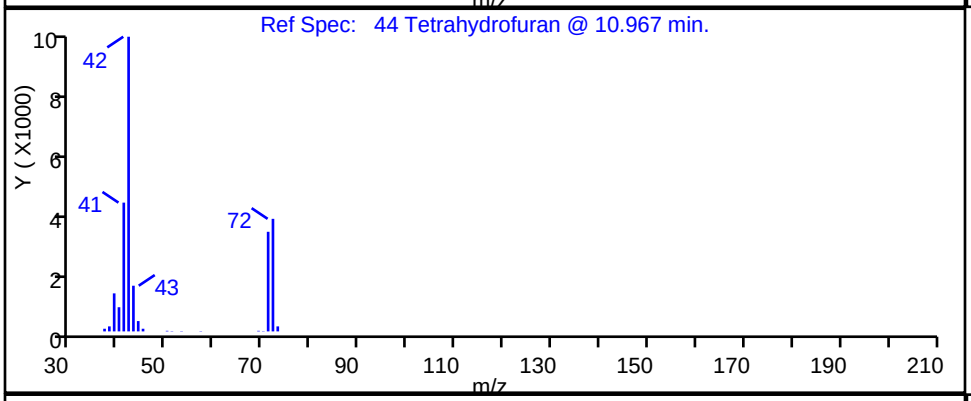
44 Tetrahydrofuran, CAS: 109-99-9

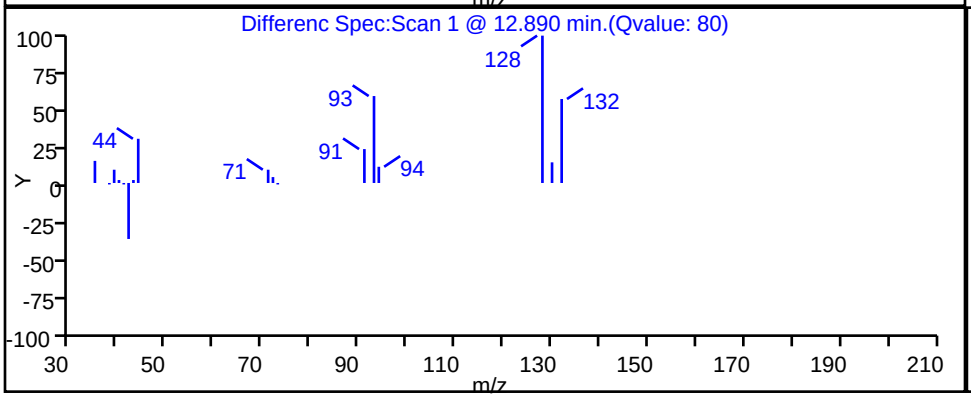


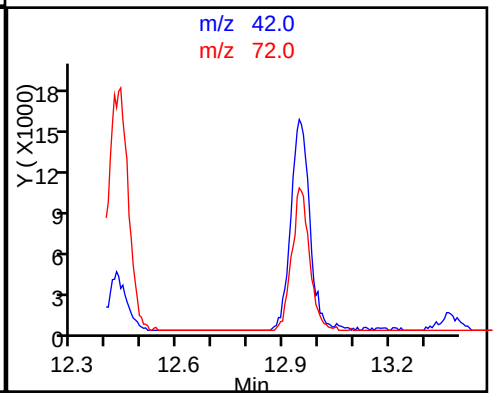












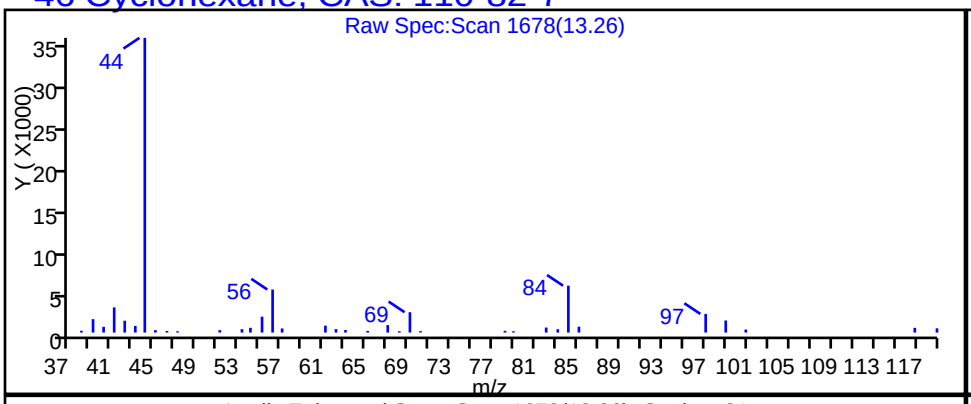
Report Date: 25-Feb-2014 09:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

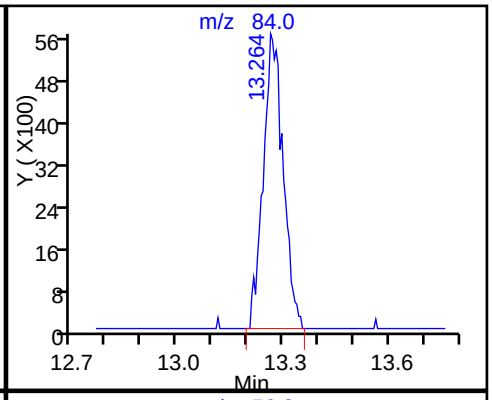
TestAmerica Burlington

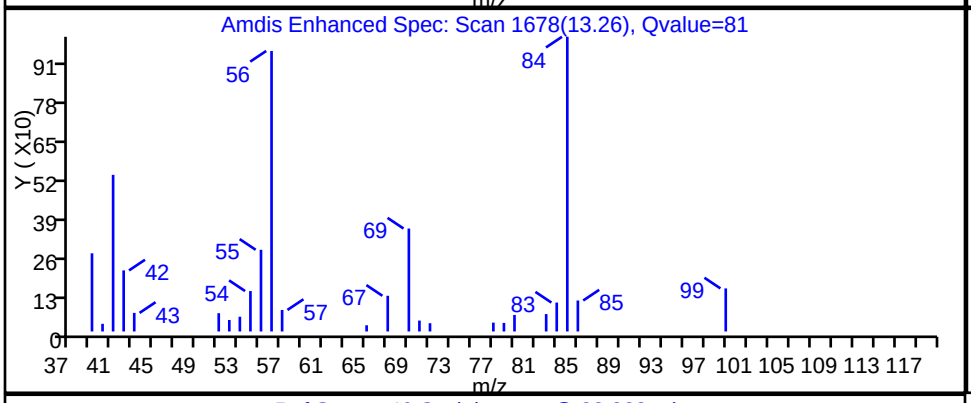
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d

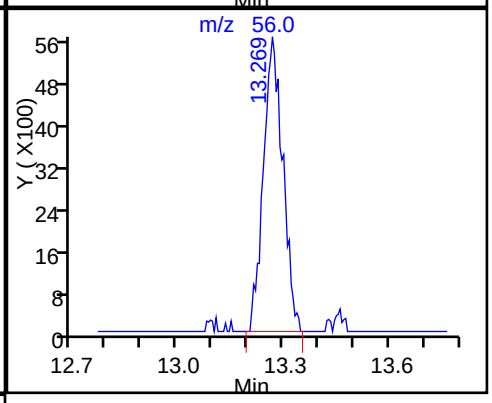
Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25		
Client ID:	SS-VMP-7				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

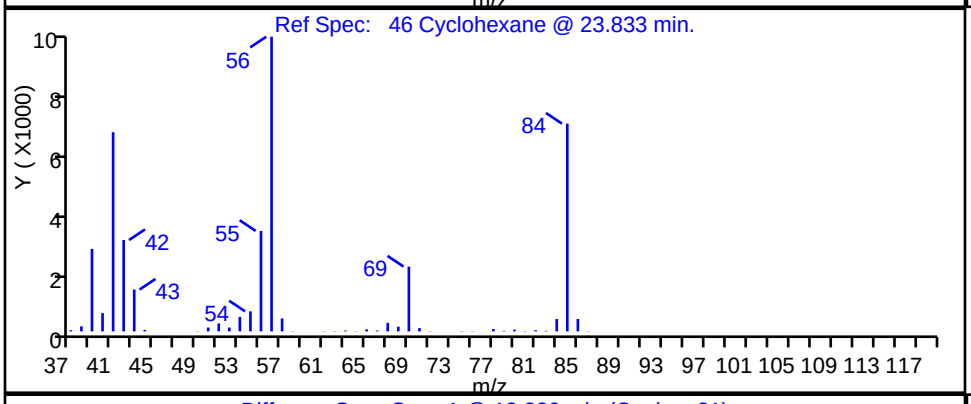
46 Cyclohexane, CAS: 110-82-7

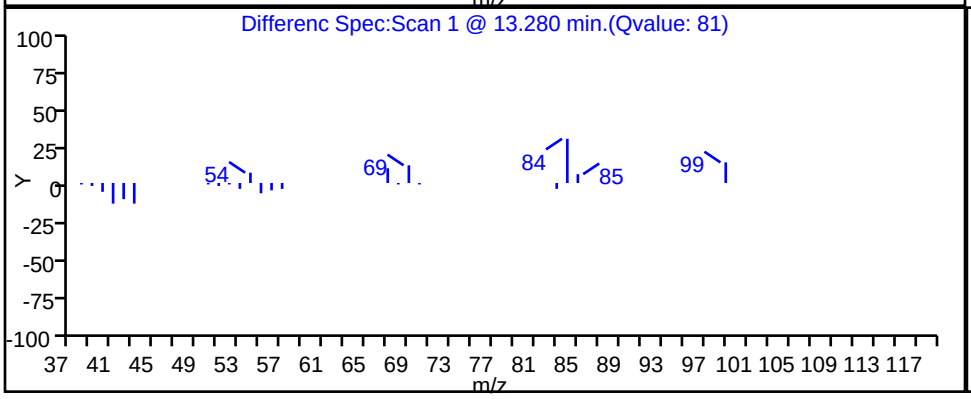


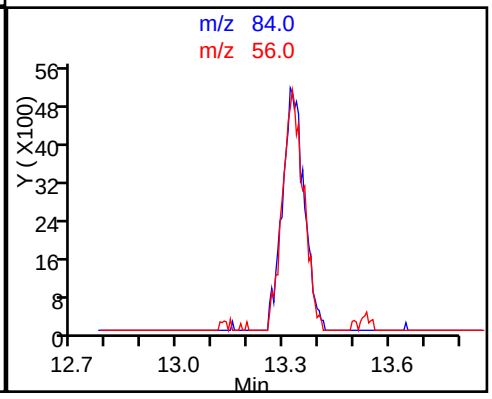












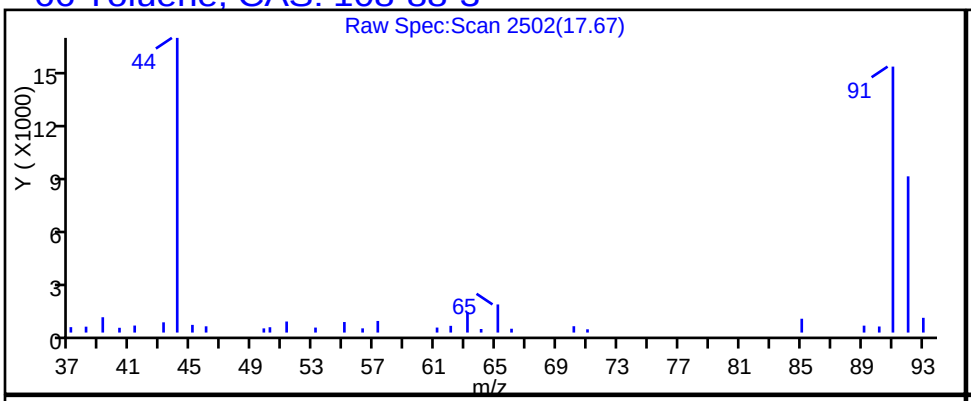
Report Date: 25-Feb-2014 09:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

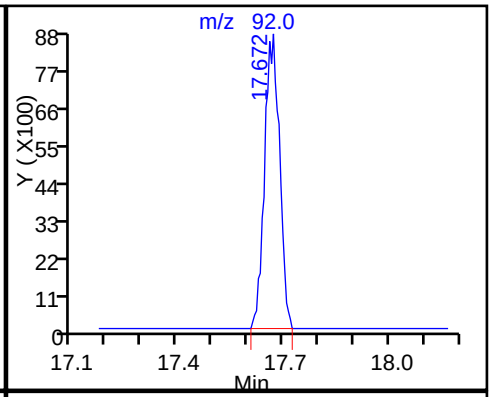
TestAmerica Burlington

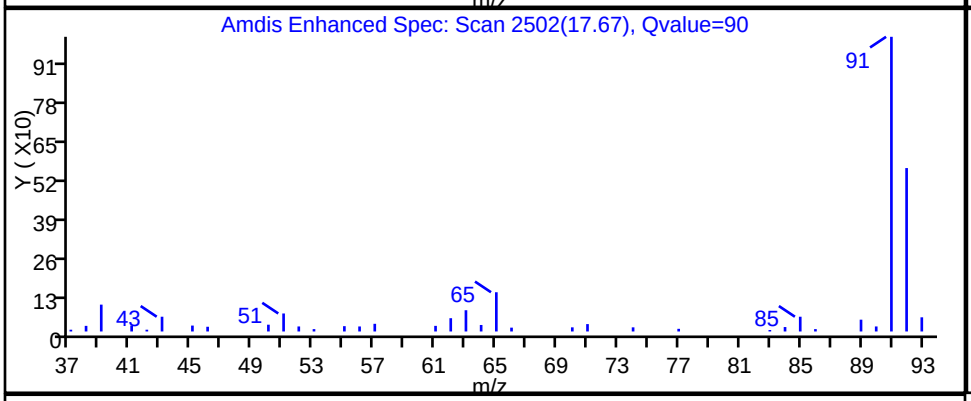
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d

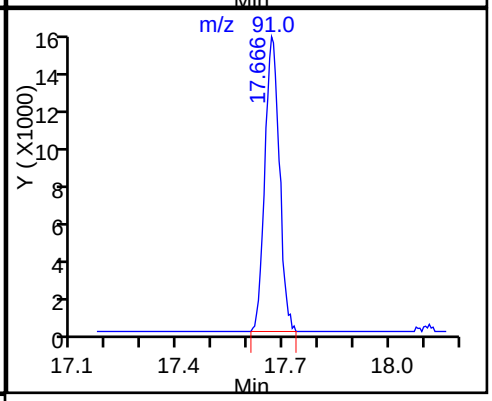
Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25		
Client ID:	SS-VMP-7				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

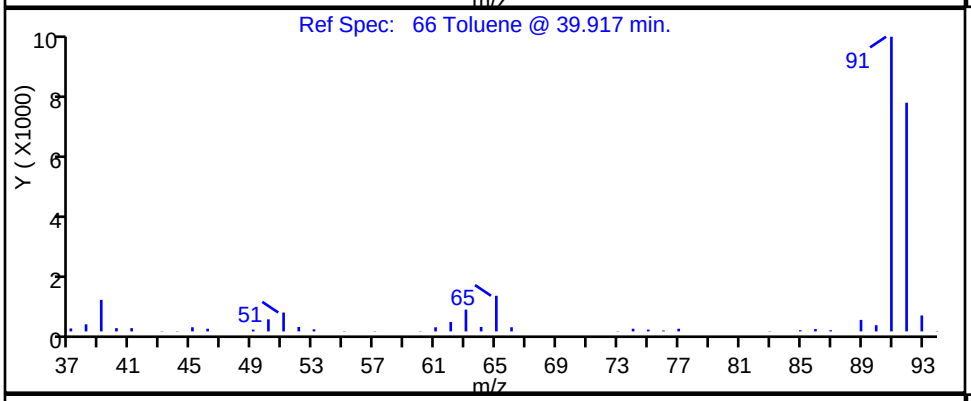
66 Toluene, CAS: 108-88-3

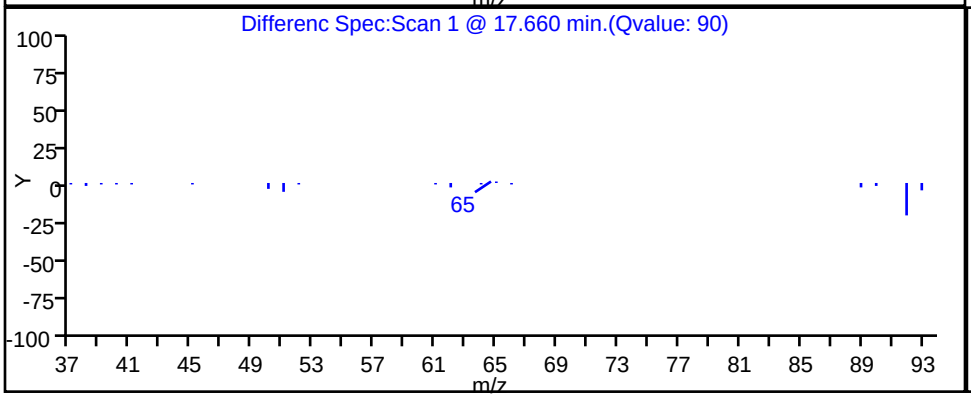


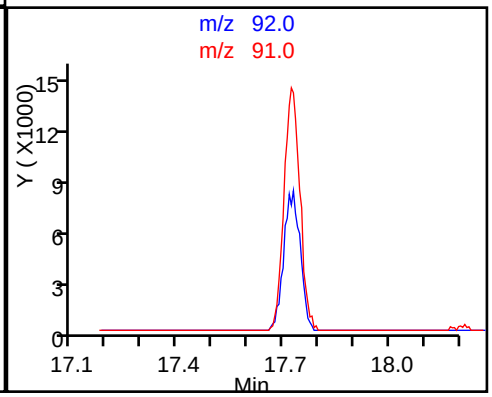












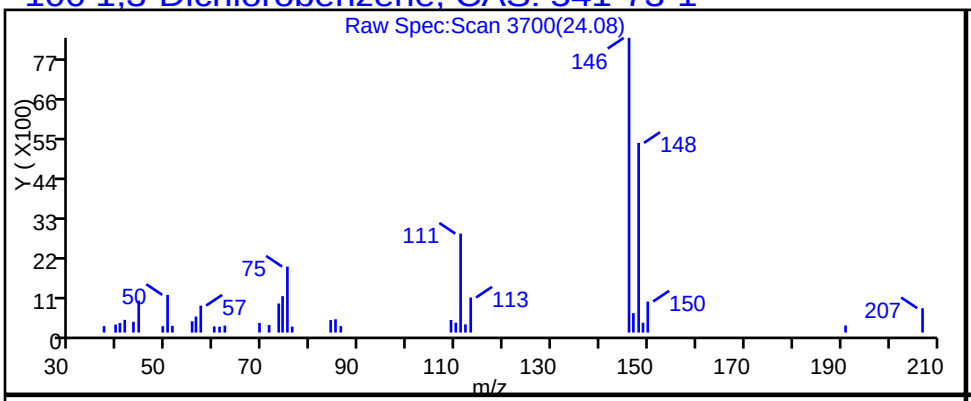
Report Date: 25-Feb-2014 09:48:32 Chrom Revision: 2.2 06-Feb-2014 15:19:06

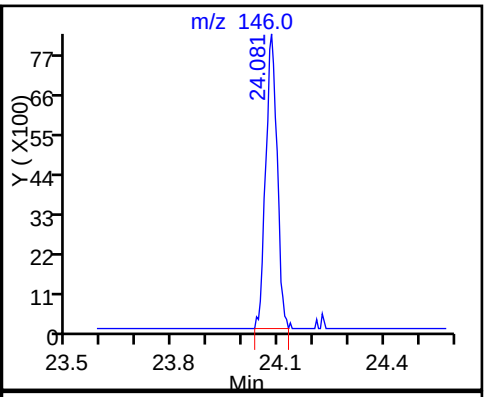
TestAmerica Burlington

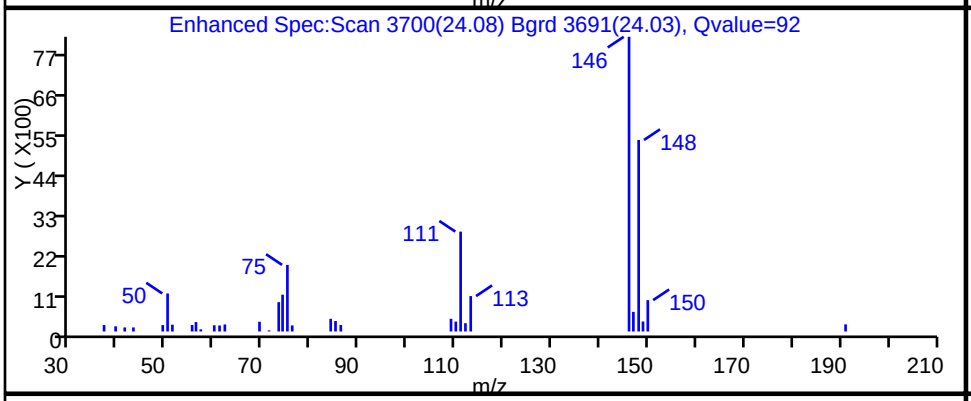
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d

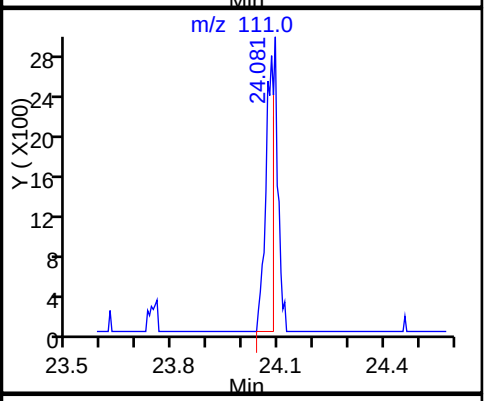
Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25		
Client ID:	SS-VMP-7				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

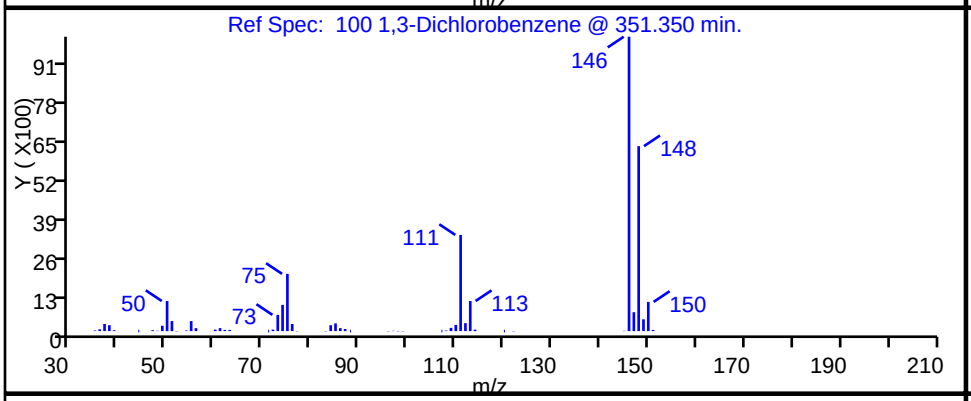
100 1,3-Dichlorobenzene, CAS: 541-73-1

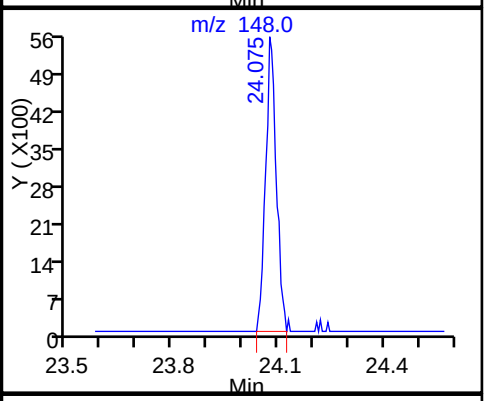


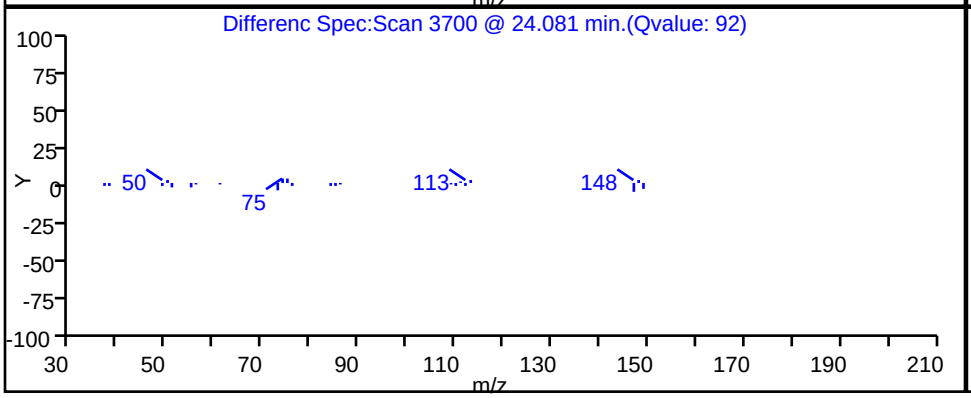


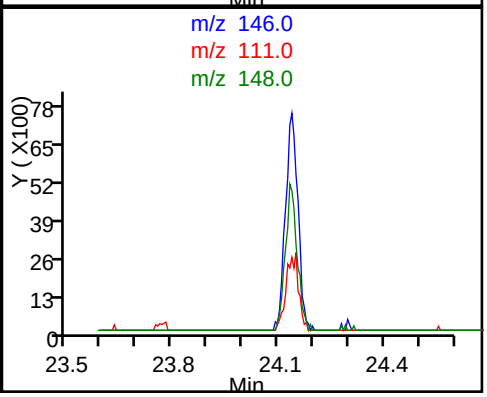












Manual Integration/User Assign Peak Report

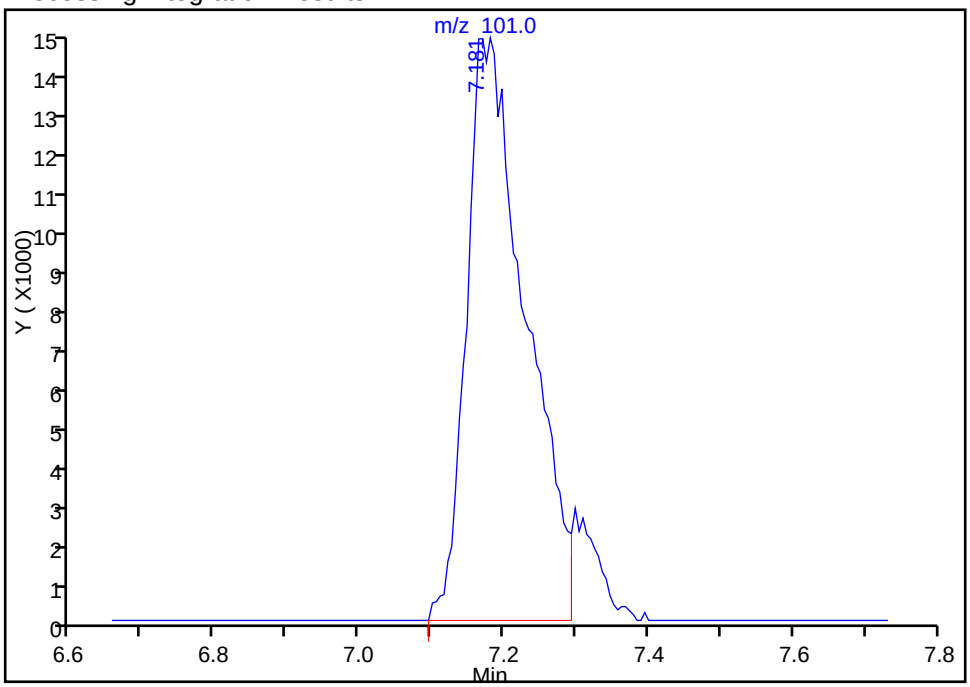
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d				
Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25		
Client ID:	SS-VMP-7				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

17 Trichlorofluoromethane, CAS: 75-69-4

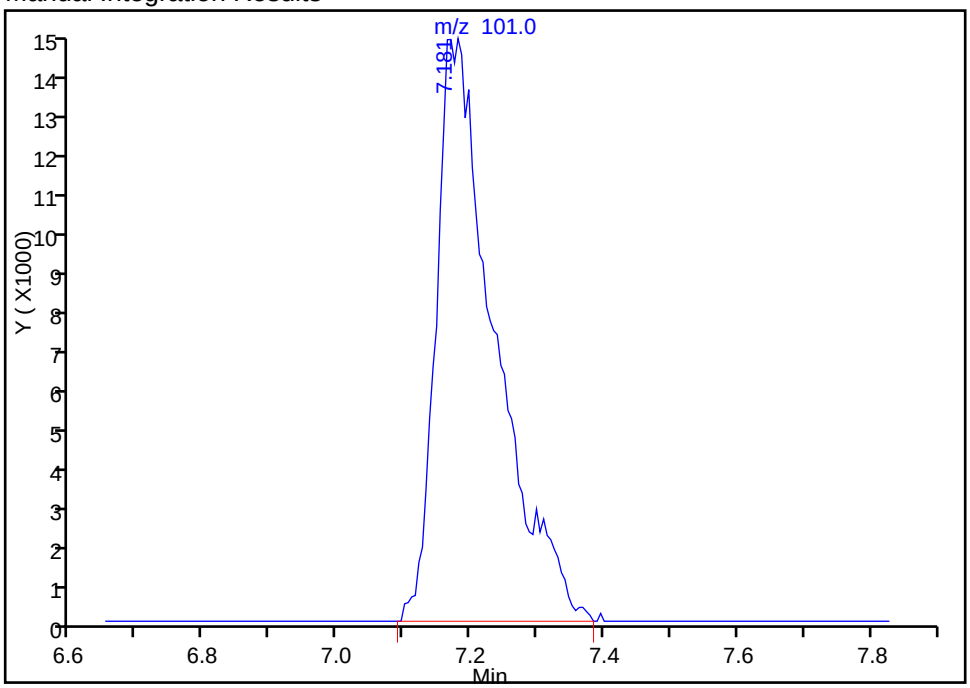
Processing Integration Results

RT: 7.18
Response: 85328
Amount: 0.450753



Manual Integration Results

RT: 7.18
Response: 91865
Amount: 0.485286



Reviewer: lyonsb, 25-Feb-2014 09:23:06
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

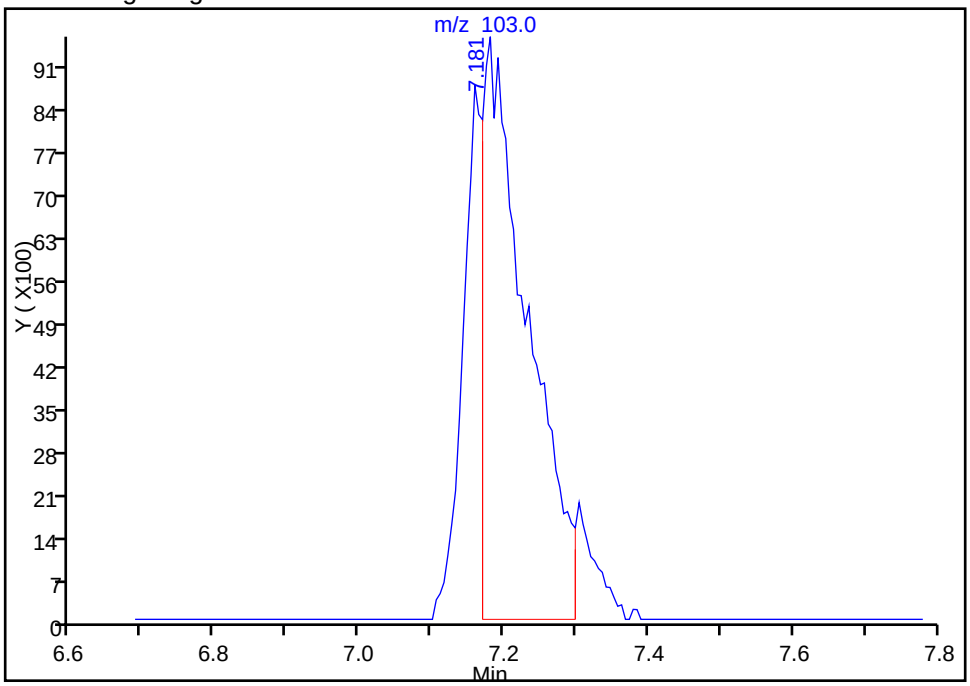
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d				
Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25		
Client ID:	SS-VMP-7				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

17 Trichlorofluoromethane, CAS: 75-69-4

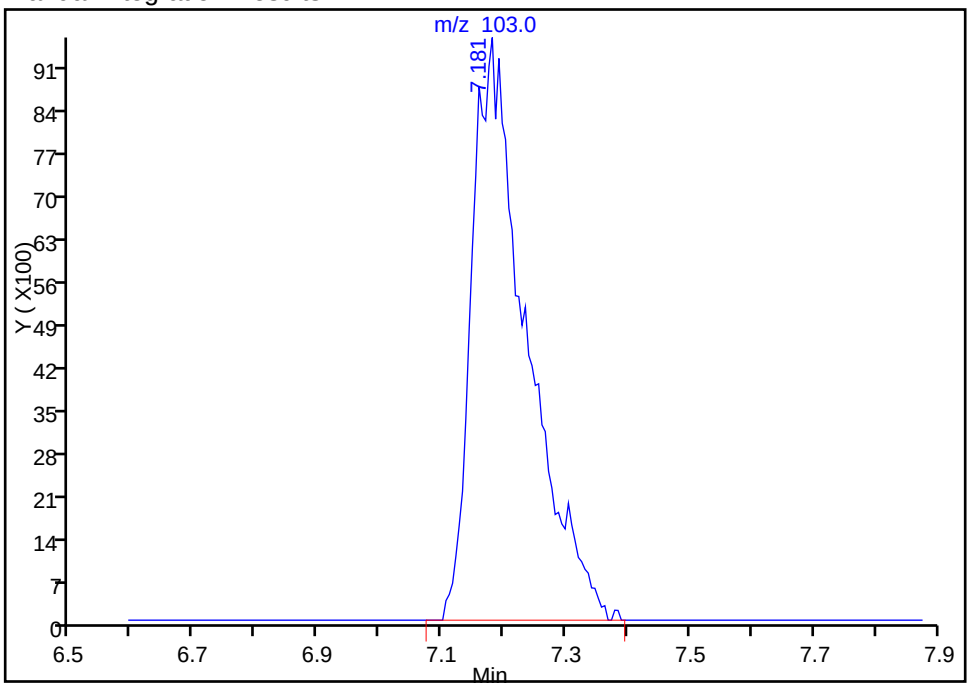
Processing Integration Results

RT: 7.18
Response: 41118
Amount: 0.450753



Manual Integration Results

RT: 7.18
Response: 58861
Amount: 0.485286



Reviewer: lyonsb, 25-Feb-2014 09:23:06
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

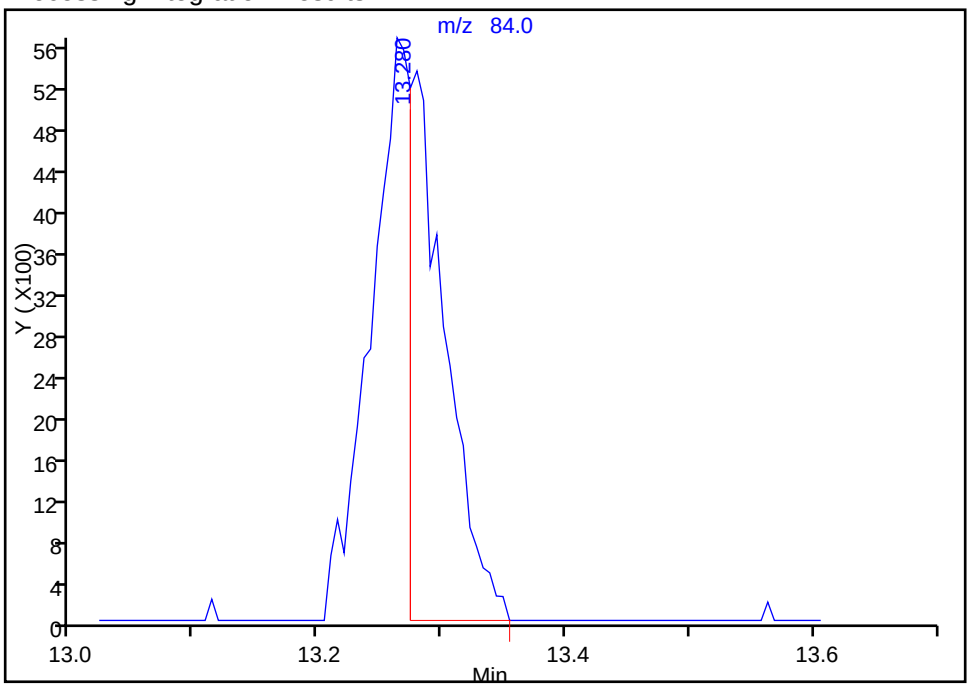
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d				
Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25		
Client ID:	SS-VMP-7				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

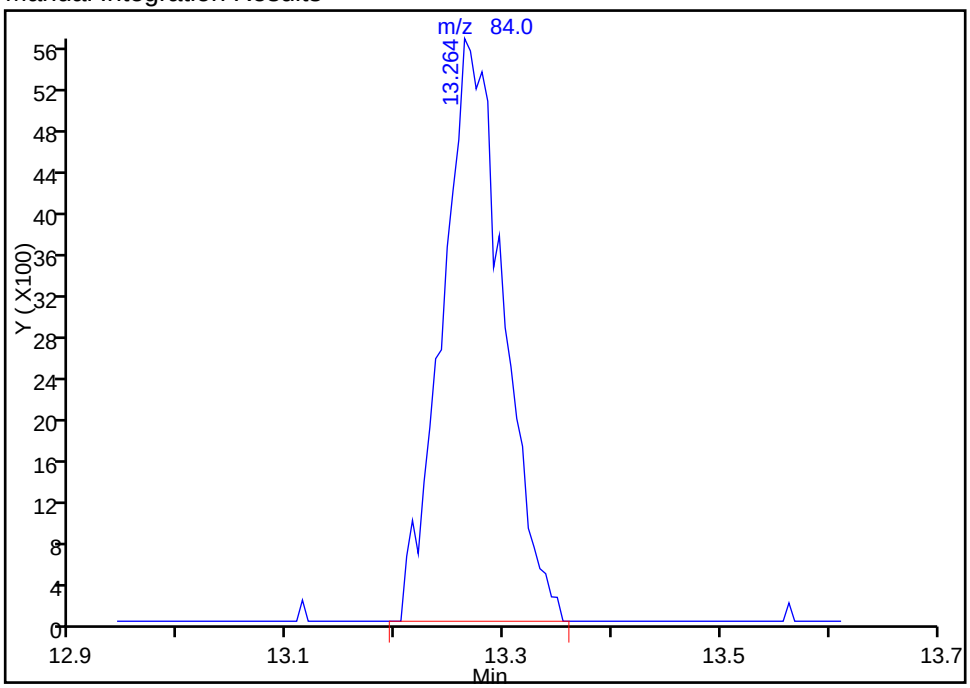
Processing Integration Results

RT: 13.28
Response: 11175
Amount: 0.172483



Manual Integration Results

RT: 13.26
Response: 22216
Amount: 0.342899



Reviewer: lyonsb, 25-Feb-2014 09:41:28
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

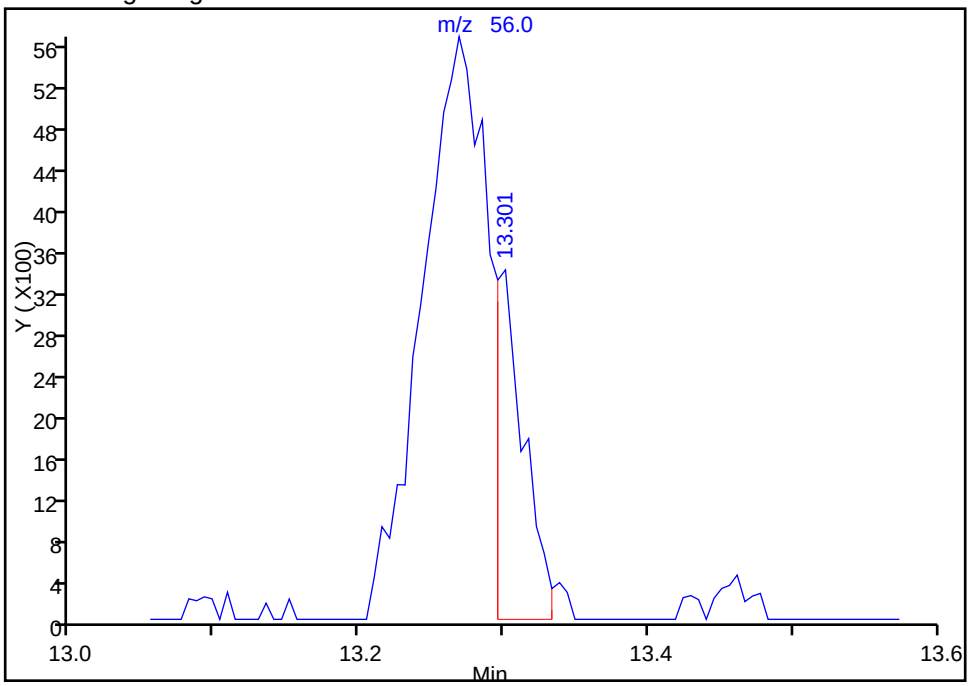
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_014.d				
Injection Date:	24-Feb-2014 22:28:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-25	Lab Sample ID:	200-20955-25		
Client ID:	SS-VMP-7				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

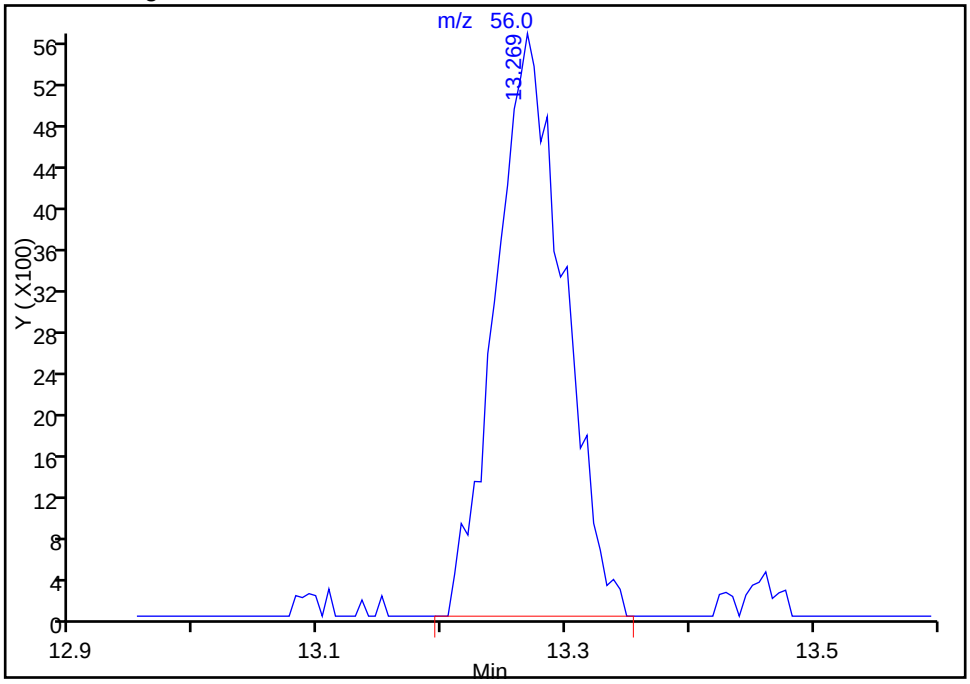
Processing Integration Results

RT: 13.30
Response: 4598
Amount: 0.172483



Manual Integration Results

RT: 13.27
Response: 21451
Amount: 0.342899



Reviewer: lyonsb, 25-Feb-2014 09:41:28
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7A Lab Sample ID: 200-20955-28

Matrix: Air Lab File ID: 6282_015.d

Analysis Method: TO-15 Date Collected: 02/12/2014 18:06

Sample wt/vol: 51(mL) Date Analyzed: 02/24/2014 23:16

Soil Aliquot Vol: Dilution Factor: 7.49

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	3.7	U	3.7	0.22
75-45-6	Freon 22	86.47	3.7	U	3.7	0.36
76-14-2	Freon-114	170.92	1.5	U	1.5	0.26
74-87-3	Chloromethane	50.49	3.7	U	3.7	1.0
106-97-8	n-Butane	58.12	3.7	U	3.7	2.1
75-01-4	Vinyl chloride	62.50	0.30	U	0.30	0.28
106-99-0	1,3-Butadiene	54.09	1.5	U	1.5	0.31
74-83-9	Bromomethane	94.94	1.5	U	1.5	0.21
75-00-3	Chloroethane	64.52	3.7	U	3.7	0.22
593-60-2	Vinyl bromide	106.96	1.5	U	1.5	0.22
75-69-4	Freon 11	137.37	1.5	U	1.5	0.22
76-13-1	Freon 113	187.38	0.44	J	1.5	0.13
75-35-4	1,1-Dichloroethene	96.94	1.5	U	1.5	0.18
67-64-1	Acetone	58.08	19	J	37	9.4
67-63-0	Isopropyl alcohol	60.10	690	E	37	1.6
75-15-0	Carbon disulfide	76.14	3.7	U	3.7	0.49
107-05-1	Allyl chloride	76.53	3.7	U	3.7	0.25
75-09-2	Methylene Chloride	84.93	130		3.7	0.94
75-65-0	tert-Butyl alcohol	74.12	37	U	37	2.5
1634-04-4	Methyl tert-butyl ether	88.15	1.5	U	1.5	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	1.5	U	1.5	0.22
110-54-3	Hexane	86.17	1.5	U	1.5	0.25
75-34-3	1,1-Dichloroethane	98.96	0.37	J	1.5	0.28
78-93-3	Methyl Ethyl Ketone	72.11	17		3.7	1.8
156-59-2	cis-1,2-Dichloroethene	96.94	1.5	U	1.5	0.28
540-59-0	1,2-Dichloroethene, Total	96.94	1.5	U	1.5	0.48
67-66-3	Chloroform	119.38	9.1		1.5	0.19
109-99-9	Tetrahydrofuran	72.11	37	U	37	0.34
71-55-6	1,1,1-Trichloroethane	133.41	1.3	J	1.5	0.16
110-82-7	Cyclohexane	84.16	2.0		1.5	0.19
56-23-5	Carbon tetrachloride	153.81	0.30	U	0.30	0.16
540-84-1	2,2,4-Trimethylpentane	114.23	1.5	U	1.5	0.20
71-43-2	Benzene	78.11	1.5	U	1.5	0.14
107-06-2	1,2-Dichloroethane	98.96	1.5	U	1.5	0.13
142-82-5	Heptane	100.21	1.5	U	1.5	0.34

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7A Lab Sample ID: 200-20955-28

Matrix: Air Lab File ID: 6282_015.d

Analysis Method: TO-15 Date Collected: 02/12/2014 18:06

Sample wt/vol: 51(mL) Date Analyzed: 02/24/2014 23:16

Soil Aliquot Vol: Dilution Factor: 7.49

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.7		0.30	0.18
80-62-6	Methyl methacrylate	100.12	3.7	U	3.7	0.22
78-87-5	1,2-Dichloropropane	112.99	1.5	U	1.5	0.24
123-91-1	1,4-Dioxane	88.11	37	U	37	1.5
75-27-4	Bromodichloromethane	163.83	1.5	U	1.5	0.13
10061-01-5	cis-1,3-Dichloropropene	110.97	1.5	U	1.5	0.21
108-10-1	methyl isobutyl ketone	100.16	3.7	U	3.7	0.20
108-88-3	Toluene	92.14	1.2	J	1.5	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	1.5	U	1.5	0.16
79-00-5	1,1,2-Trichloroethane	133.41	1.5	U	1.5	0.13
127-18-4	Tetrachloroethene	165.83	1.5	U	1.5	0.12
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	3.7	U	3.7	1.5
124-48-1	Dibromochloromethane	208.29	1.5	U	1.5	0.15
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	1.5	U	1.5	0.061
100-41-4	Ethylbenzene	106.17	1.5	U	1.5	0.097
179601-23-1	m,p-Xylene	106.17	3.7	U	3.7	0.17
95-47-6	Xylene, o-	106.17	1.5	U	1.5	0.12
1330-20-7	Xylene (total)	106.17	1.5	U	1.5	0.25
100-42-5	Styrene	104.15	1.5	U	1.5	0.13
75-25-2	Bromoform	252.75	1.5	U	1.5	0.075
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.5	U	1.5	0.12
103-65-1	n-Propylbenzene	120.19	1.5	U	1.5	0.60
622-96-8	4-Ethyltoluene	120.20	1.5	U	1.5	0.13
108-67-8	1,3,5-Trimethylbenzene	120.20	1.5	U	1.5	0.090
95-49-8	2-Chlorotoluene	126.59	1.5	U	1.5	0.097
98-06-6	tert-Butylbenzene	134.22	1.5	U	1.5	0.13
95-63-6	1,2,4-Trimethylbenzene	120.20	1.5	U	1.5	0.10
135-98-8	sec-Butylbenzene	134.22	1.5	U	1.5	0.60
99-87-6	4-Isopropyltoluene	134.22	1.5	U	1.5	0.60
541-73-1	1,3-Dichlorobenzene	147.00	0.72	J B	1.5	0.10
106-46-7	1,4-Dichlorobenzene	147.00	1.5	U	1.5	0.10
100-44-7	Benzyl chloride	126.58	1.5	U	1.5	0.60
104-51-8	n-Butylbenzene	134.22	1.5	U	1.5	0.60

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7A Lab Sample ID: 200-20955-28

Matrix: Air Lab File ID: 6282_015.d

Analysis Method: TO-15 Date Collected: 02/12/2014 18:06

Sample wt/vol: 51(mL) Date Analyzed: 02/24/2014 23:16

Soil Aliquot Vol: Dilution Factor: 7.49

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.5	U	1.5	0.10
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	1.5	U	1.5	0.16
91-20-3	Naphthalene	128.17	3.7	U	3.7	1.5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7A Lab Sample ID: 200-20955-28

Matrix: Air Lab File ID: 6282_015.d

Analysis Method: TO-15 Date Collected: 02/12/2014 18:06

Sample wt/vol: 51(mL) Date Analyzed: 02/24/2014 23:16

Soil Aliquot Vol: Dilution Factor: 7.49

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	19	U	19	1.1
75-45-6	Freon 22	86.47	13	U	13	1.3
76-14-2	Freon-114	170.92	10	U	10	1.8
74-87-3	Chloromethane	50.49	7.7	U	7.7	2.1
106-97-8	n-Butane	58.12	8.9	U	8.9	5.0
75-01-4	Vinyl chloride	62.50	0.77	U	0.77	0.73
106-99-0	1,3-Butadiene	54.09	3.3	U	3.3	0.70
74-83-9	Bromomethane	94.94	5.8	U	5.8	0.81
75-00-3	Chloroethane	64.52	9.9	U	9.9	0.59
593-60-2	Vinyl bromide	106.96	6.6	U	6.6	0.98
75-69-4	Freon 11	137.37	8.4	U	8.4	1.3
76-13-1	Freon 113	187.38	3.4	J	11	1.0
75-35-4	1,1-Dichloroethene	96.94	5.9	U	5.9	0.71
67-64-1	Acetone	58.08	45	J	89	22
67-63-0	Isopropyl alcohol	60.10	1700	E	92	4.0
75-15-0	Carbon disulfide	76.14	12	U	12	1.5
107-05-1	Allyl chloride	76.53	12	U	12	0.80
75-09-2	Methylene Chloride	84.93	460		13	3.3
75-65-0	tert-Butyl alcohol	74.12	110	U	110	7.4
1634-04-4	Methyl tert-butyl ether	88.15	5.4	U	5.4	0.59
156-60-5	trans-1,2-Dichloroethene	96.94	5.9	U	5.9	0.86
110-54-3	Hexane	86.17	5.3	U	5.3	0.90
75-34-3	1,1-Dichloroethane	98.96	1.5	J	6.1	1.2
78-93-3	Methyl Ethyl Ketone	72.11	49		11	5.3
156-59-2	cis-1,2-Dichloroethene	96.94	5.9	U	5.9	1.1
540-59-0	1,2-Dichloroethene, Total	96.94	5.9	U	5.9	1.9
67-66-3	Chloroform	119.38	44		7.3	0.91
109-99-9	Tetrahydrofuran	72.11	110	U	110	1.0
71-55-6	1,1,1-Trichloroethane	133.41	7.0	J	8.2	0.86
110-82-7	Cyclohexane	84.16	7.0		5.2	0.64
56-23-5	Carbon tetrachloride	153.81	1.9	U	1.9	0.99
540-84-1	2,2,4-Trimethylpentane	114.23	7.0	U	7.0	0.94
71-43-2	Benzene	78.11	4.8	U	4.8	0.45
107-06-2	1,2-Dichloroethane	98.96	6.1	U	6.1	0.52
142-82-5	Heptane	100.21	6.1	U	6.1	1.4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7A Lab Sample ID: 200-20955-28

Matrix: Air Lab File ID: 6282_015.d

Analysis Method: TO-15 Date Collected: 02/12/2014 18:06

Sample wt/vol: 51(mL) Date Analyzed: 02/24/2014 23:16

Soil Aliquot Vol: Dilution Factor: 7.49

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	14		1.6	0.97
80-62-6	Methyl methacrylate	100.12	15	U	15	0.92
78-87-5	1,2-Dichloropropane	112.99	6.9	U	6.9	1.1
123-91-1	1,4-Dioxane	88.11	130	U	130	5.4
75-27-4	Bromodichloromethane	163.83	10	U	10	0.85
10061-01-5	cis-1,3-Dichloropropene	110.97	6.8	U	6.8	0.95
108-10-1	methyl isobutyl ketone	100.16	15	U	15	0.83
108-88-3	Toluene	92.14	4.4	J	5.6	0.48
10061-02-6	trans-1,3-Dichloropropene	110.97	6.8	U	6.8	0.75
79-00-5	1,1,2-Trichloroethane	133.41	8.2	U	8.2	0.69
127-18-4	Tetrachloroethene	165.83	10	U	10	0.81
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	15	U	15	6.1
124-48-1	Dibromochloromethane	208.29	13	U	13	1.3
106-93-4	1,2-Dibromoethane	187.87	12	U	12	1.2
108-90-7	Chlorobenzene	112.56	6.9	U	6.9	0.28
100-41-4	Ethylbenzene	106.17	6.5	U	6.5	0.42
179601-23-1	m,p-Xylene	106.17	16	U	16	0.75
95-47-6	Xylene, o-	106.17	6.5	U	6.5	0.52
1330-20-7	Xylene (total)	106.17	6.5	U	6.5	1.1
100-42-5	Styrene	104.15	6.4	U	6.4	0.57
75-25-2	Bromoform	252.75	15	U	15	0.77
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10	U	10	0.82
103-65-1	n-Propylbenzene	120.19	7.4	U	7.4	2.9
622-96-8	4-Ethyltoluene	120.20	7.4	U	7.4	0.66
108-67-8	1,3,5-Trimethylbenzene	120.20	7.4	U	7.4	0.44
95-49-8	2-Chlorotoluene	126.59	7.8	U	7.8	0.50
98-06-6	tert-Butylbenzene	134.22	8.2	U	8.2	0.70
95-63-6	1,2,4-Trimethylbenzene	120.20	7.4	U	7.4	0.52
135-98-8	sec-Butylbenzene	134.22	8.2	U	8.2	3.3
99-87-6	4-Isopropyltoluene	134.22	8.2	U	8.2	3.3
541-73-1	1,3-Dichlorobenzene	147.00	4.4	J B	9.0	0.63
106-46-7	1,4-Dichlorobenzene	147.00	9.0	U	9.0	0.63
100-44-7	Benzyl chloride	126.58	7.8	U	7.8	3.1
104-51-8	n-Butylbenzene	134.22	8.2	U	8.2	3.3

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7A Lab Sample ID: 200-20955-28

Matrix: Air Lab File ID: 6282_015.d

Analysis Method: TO-15 Date Collected: 02/12/2014 18:06

Sample wt/vol: 51(mL) Date Analyzed: 02/24/2014 23:16

Soil Aliquot Vol: Dilution Factor: 7.49

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.0	U	9.0	0.63
120-82-1	1,2,4-Trichlorobenzene	181.45	28	U	28	1.5
87-68-3	Hexachloro-1,3-butadiene	260.76	16	U	16	1.8
91-20-3	Naphthalene	128.17	20	U	20	7.9

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_015.d
Lims ID: 200-20955-A-28 Lab Sample ID: 200-20955-28
Client ID: SS-VMP-7A
Sample Type: Client
Inject. Date: 24-Feb-2014 23:16:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 7.4900
Sample Info: 200-0006282-015
Misc. Info.: 200-20955-a-28@7.49 cdf=1.91 51ml
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 09:48:16 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 25-Feb-2014 09:42:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		4.463					
6 Chlorodifluoromethane	51		4.528					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.816					
8 Chloromethane	50		5.009					
9 Butane	43		5.276					
10 Vinyl chloride	62		5.335					
11 Butadiene	54		5.432					
12 Bromomethane	94		6.298					
14 Chloroethane	64		6.587					
16 Vinyl bromide	106		7.063					
17 Trichlorofluoromethane	101		7.181					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.460	8.433	0.027	62	7159	0.0590	
24 1,1-Dichloroethene	96		8.508					
25 Acetone	43	8.802	8.743	0.059	86	137493	2.50	
26 Carbon disulfide	76		8.995					
27 Isopropyl alcohol	45	9.118	9.027	0.091	97	4256088	92.5	E
29 3-Chloro-1-propene	41		9.401					
31 Methylene Chloride	49	9.749	9.727	0.022	81	670564	17.5	
32 2-Methyl-2-propanol	59		9.904					
33 Methyl tert-butyl ether	73		10.155					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.230					
36 Hexane	57		10.648					
37 1,1-Dichloroethane	63	11.215	11.193	0.022	28	4228	0.0499	
39 cis-1,2-Dichloroethene	96		12.370					
40 2-Butanone (MEK)	72	12.408	12.386	0.022	96	51736	2.23	
44 Tetrahydrofuran	42		12.846					
* 43 Chlorobromomethane	128	12.873	12.857	0.016	69	378123	10.0	
45 Chloroform	83	12.980	12.964	0.016	99	153814	1.21	
46 Cyclohexane	84	13.280	13.258	0.022	71	17050	0.2696	
47 1,1,1-Trichloroethane	97	13.285	13.274	0.011	85	24724	0.1710	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	48	Carbon tetrachloride	117		13.531					
	51	Isooctane	57		13.922					
	50	Benzene	78		13.980					
	52	1,2-Dichloroethane	62		14.141					
	53	n-Heptane	43		14.269					
*	54	1,4-Difluorobenzene	114	14.756	14.745	0.011	92	1732186	10.0	
	56	Trichloroethene	95	15.216	15.206	0.010	89	27644	0.3558	
	58	1,2-Dichloropropane	63		15.730					
	59	Methyl methacrylate	69		15.810					
	60	1,4-Dioxane	88		15.901					
	62	Dichlorobromomethane	83		16.217					
	64	cis-1,3-Dichloropropene	75		17.083					
	65	4-Methyl-2-pentanone (MIBK)	43		17.319					
	66	Toluene	92	17.667	17.656	0.011	89	17060	0.1543	
	70	trans-1,3-Dichloropropene	75		18.191					
	71	1,1,2-Trichloroethane	83		18.554					
	72	Tetrachloroethene	166		18.699					
	73	2-Hexanone	43		18.945					
	74	Chlorodibromomethane	129		19.314					
	75	Ethylene Dibromide	107		19.598					
S	82	Xylenes, Total	106		20.100					
*	76	Chlorobenzene-d5	117	20.448	20.443	0.005	84	1525046	10.0	
	77	Chlorobenzene	112		20.496					
	78	Ethylbenzene	91		20.614					
	80	m-Xylene & p-Xylene	106		20.833					
	83	o-Xylene	106		21.545					
	84	Styrene	104		21.582					
	85	Bromoform	173		21.957					
$	87	4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1020323	NC	
	88	1,1,2,2-Tetrachloroethane	83		22.668					
	90	N-Propylbenzene	91		22.743					
	91	4-Ethyltoluene	105		22.909					
	92	2-Chlorotoluene	91		22.941					
	94	1,3,5-Trimethylbenzene	105		23.000					
	96	tert-Butylbenzene	119		23.476					
	97	1,2,4-Trimethylbenzene	105		23.567					
	98	sec-Butylbenzene	105		23.808					
	99	4-Isopropyltoluene	119		24.011					
	100	1,3-Dichlorobenzene	146	24.081	24.081	0.0	92	20954	0.0967	
	101	1,4-Dichlorobenzene	146		24.225					
	102	Benzyl chloride	91		24.434					
	103	n-Butylbenzene	91		24.648					
	105	1,2-Dichlorobenzene	146		24.830					
	107	1,2,4-Trichlorobenzene	180		27.729					
	108	Hexachlorobutadiene	225		27.932					
	109	Naphthalene	128		28.312					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

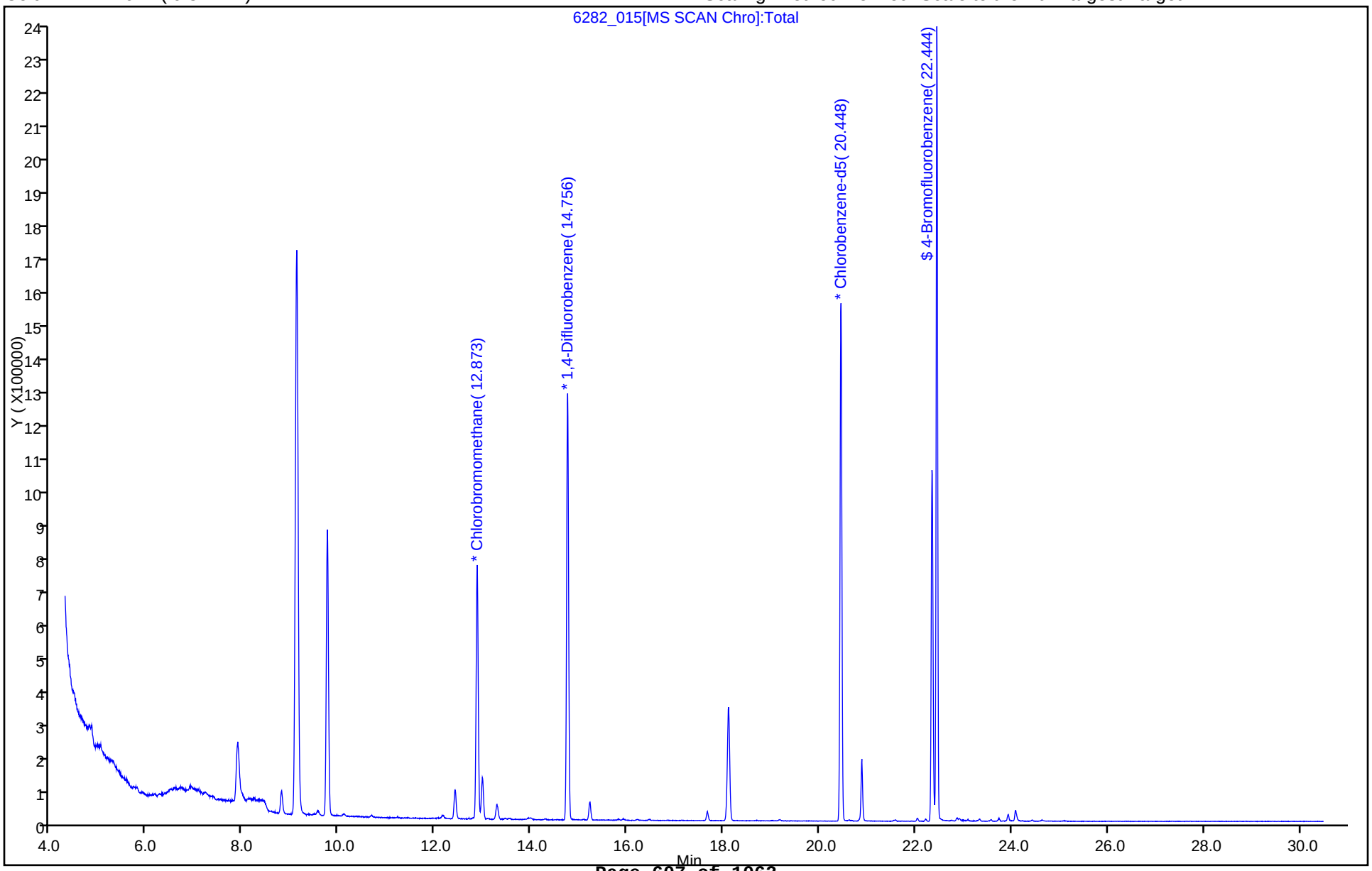
Report Date: 25-Feb-2014 09:48:34 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_015.d

Injection Date:	24-Feb-2014 23:16:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20955-A-28	Lab Sample ID:	200-20955-28	Worklist Smp#:	15
Client ID:	SS-VMP-7A				
Purge Vol:	200.000 mL	Dil. Factor:	7.4900	ALS Bottle#:	14
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



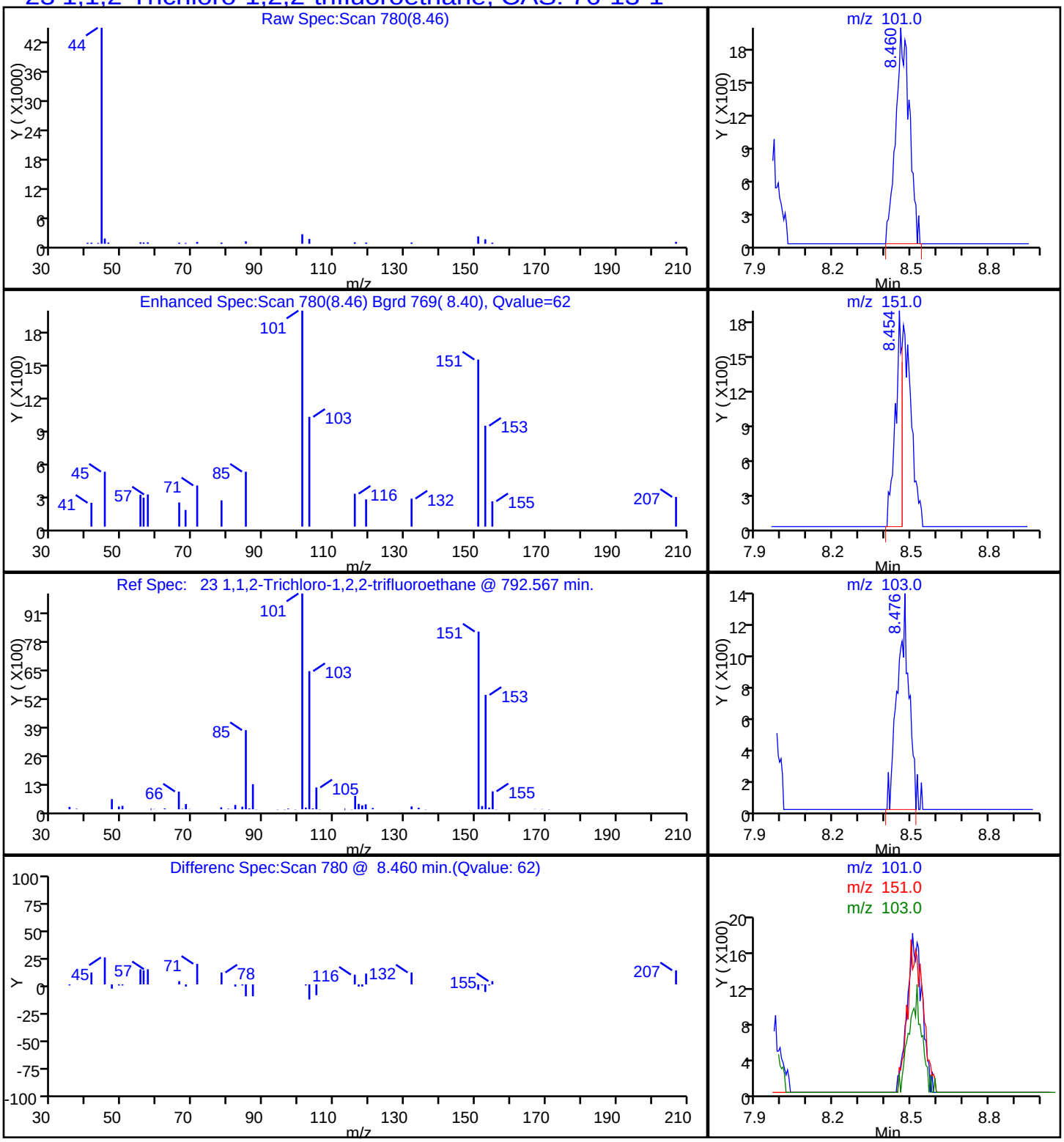
Report Date: 25-Feb-2014 09:48:34 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_015.d

Injection Date:	24-Feb-2014 23:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-28	Lab Sample ID:	200-20955-28		
Client ID:	SS-VMP-7A				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	7.4900		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



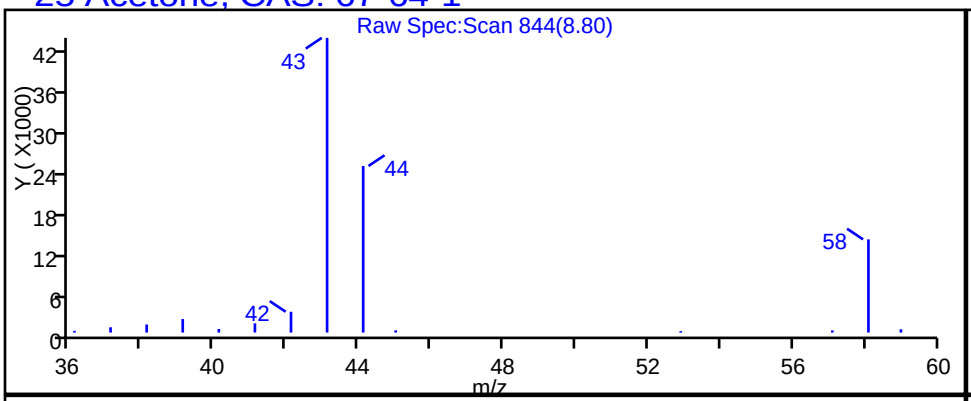
Report Date: 25-Feb-2014 09:48:34 Chrom Revision: 2.2 06-Feb-2014 15:19:06

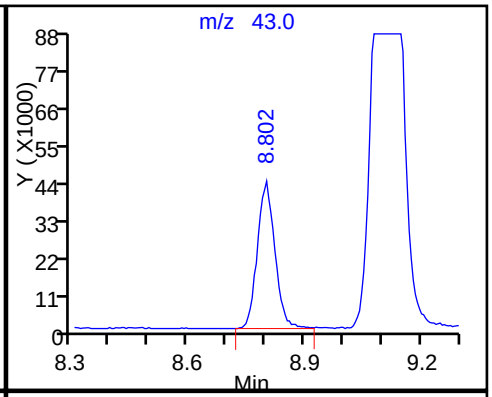
TestAmerica Burlington

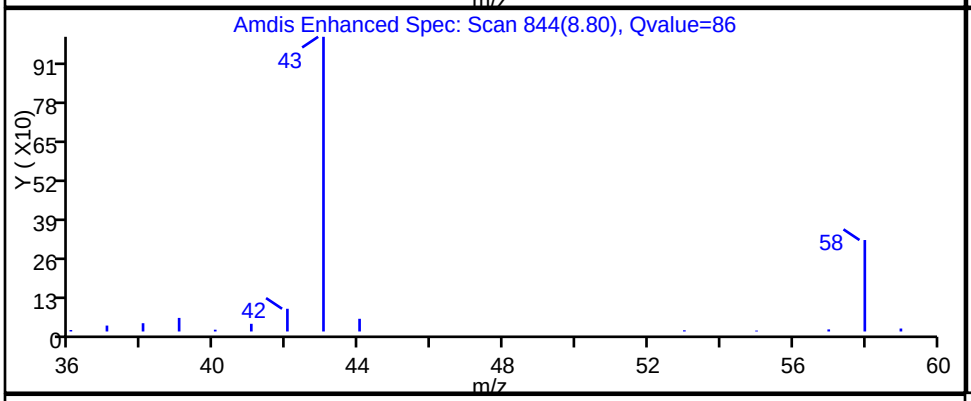
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_015.d

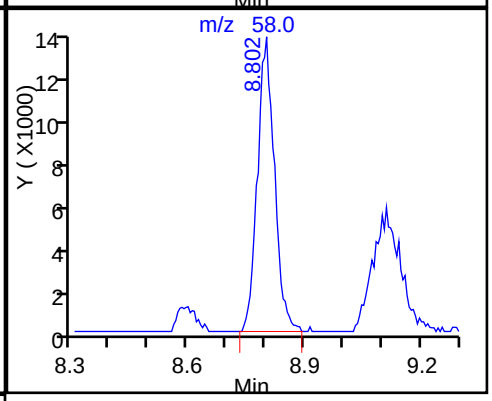
Injection Date:	24-Feb-2014 23:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-28	Lab Sample ID:	200-20955-28		
Client ID:	SS-VMP-7A				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	7.4900		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

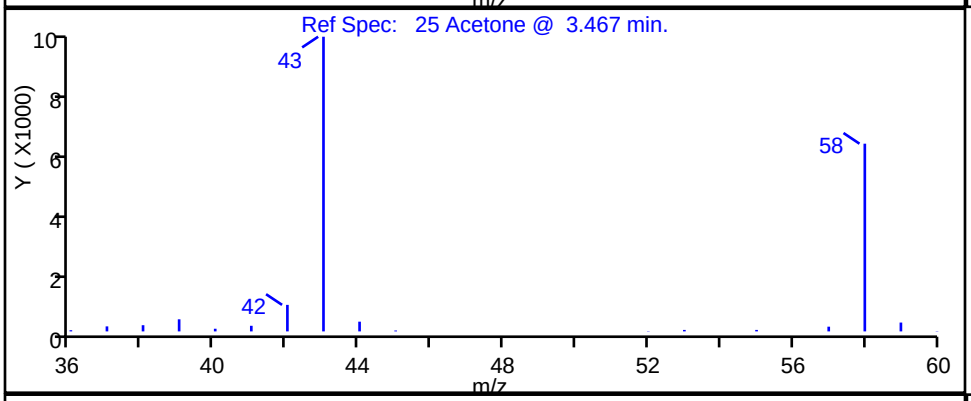
25 Acetone, CAS: 67-64-1

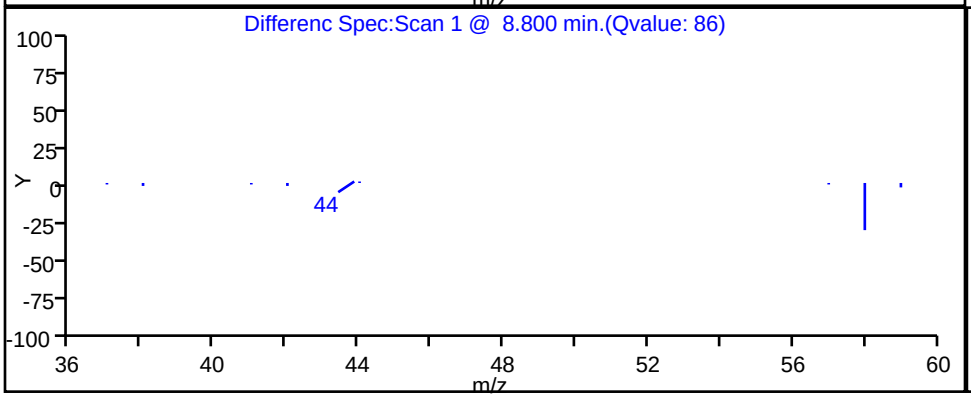


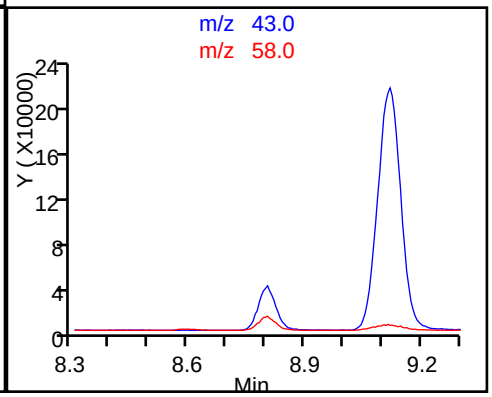












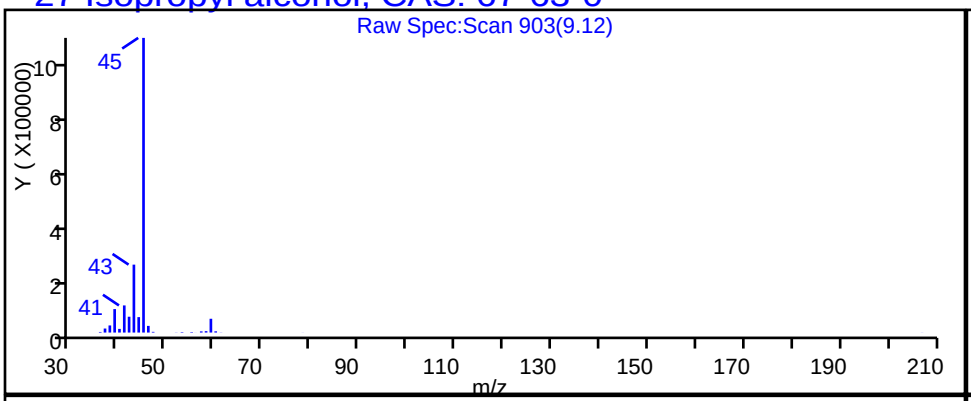
Report Date: 25-Feb-2014 09:48:34 Chrom Revision: 2.2 06-Feb-2014 15:19:06

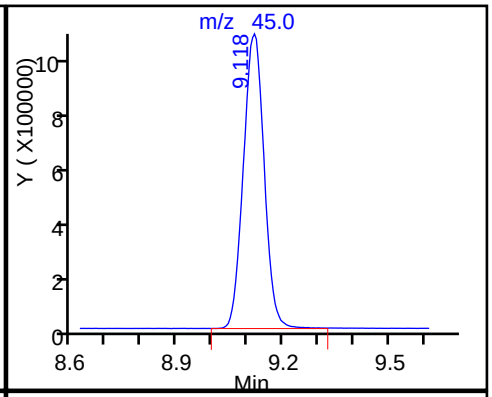
TestAmerica Burlington

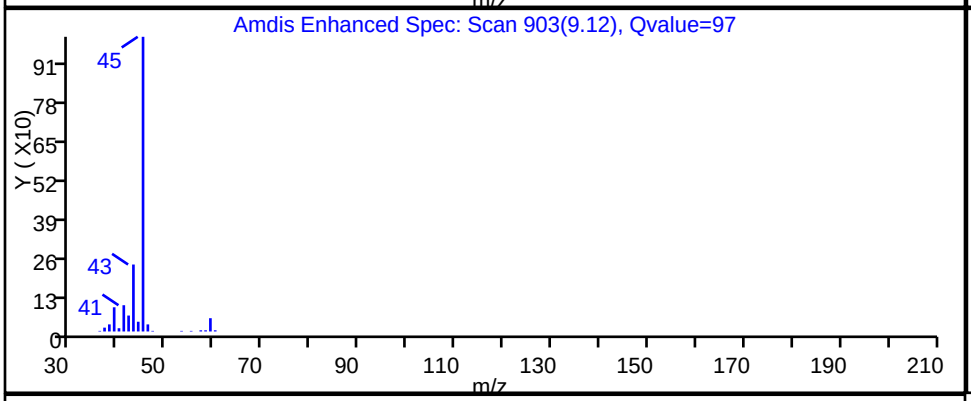
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_015.d

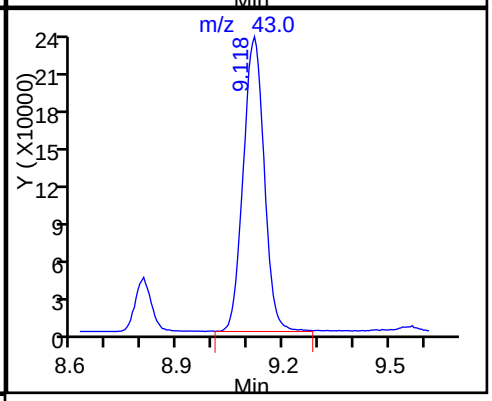
Injection Date:	24-Feb-2014 23:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-28	Lab Sample ID:	200-20955-28		
Client ID:	SS-VMP-7A				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	7.4900		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

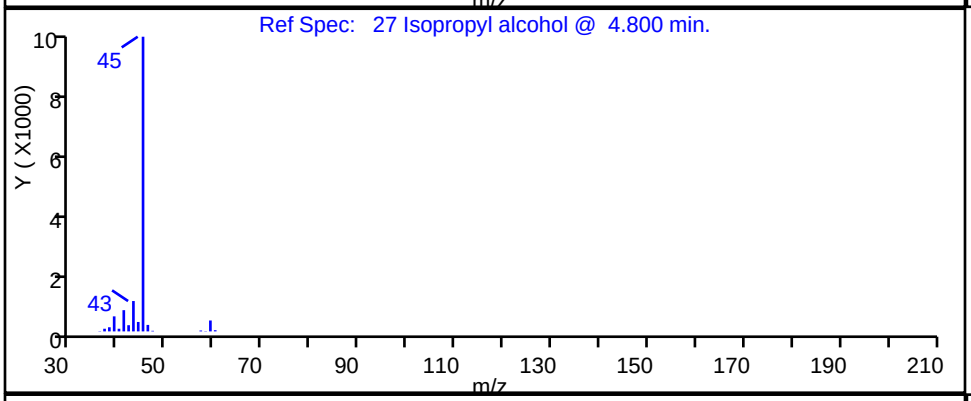
27 Isopropyl alcohol, CAS: 67-63-0

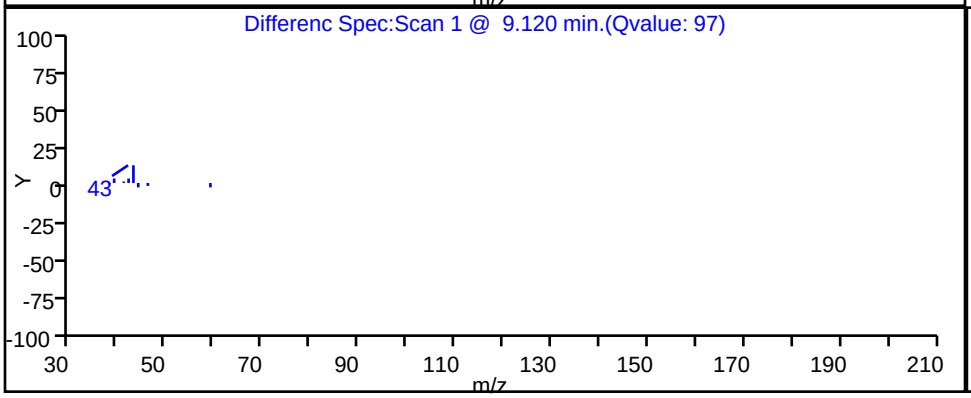


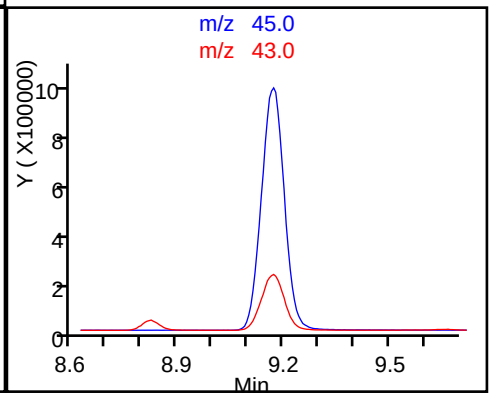












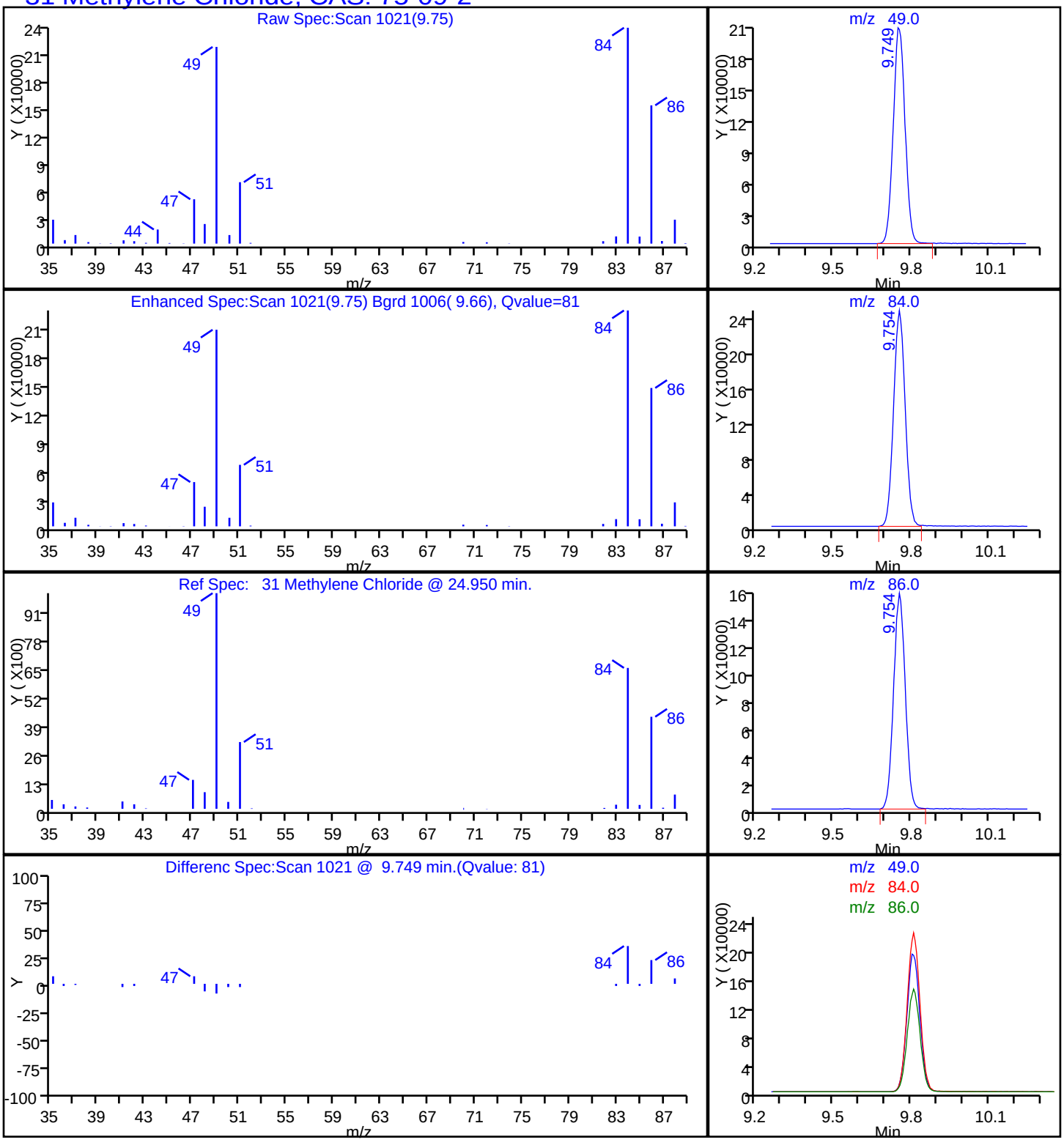
Report Date: 25-Feb-2014 09:48:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_015.d

Injection Date:	24-Feb-2014 23:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-28	Lab Sample ID:	200-20955-28		
Client ID:	SS-VMP-7A				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	7.4900		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



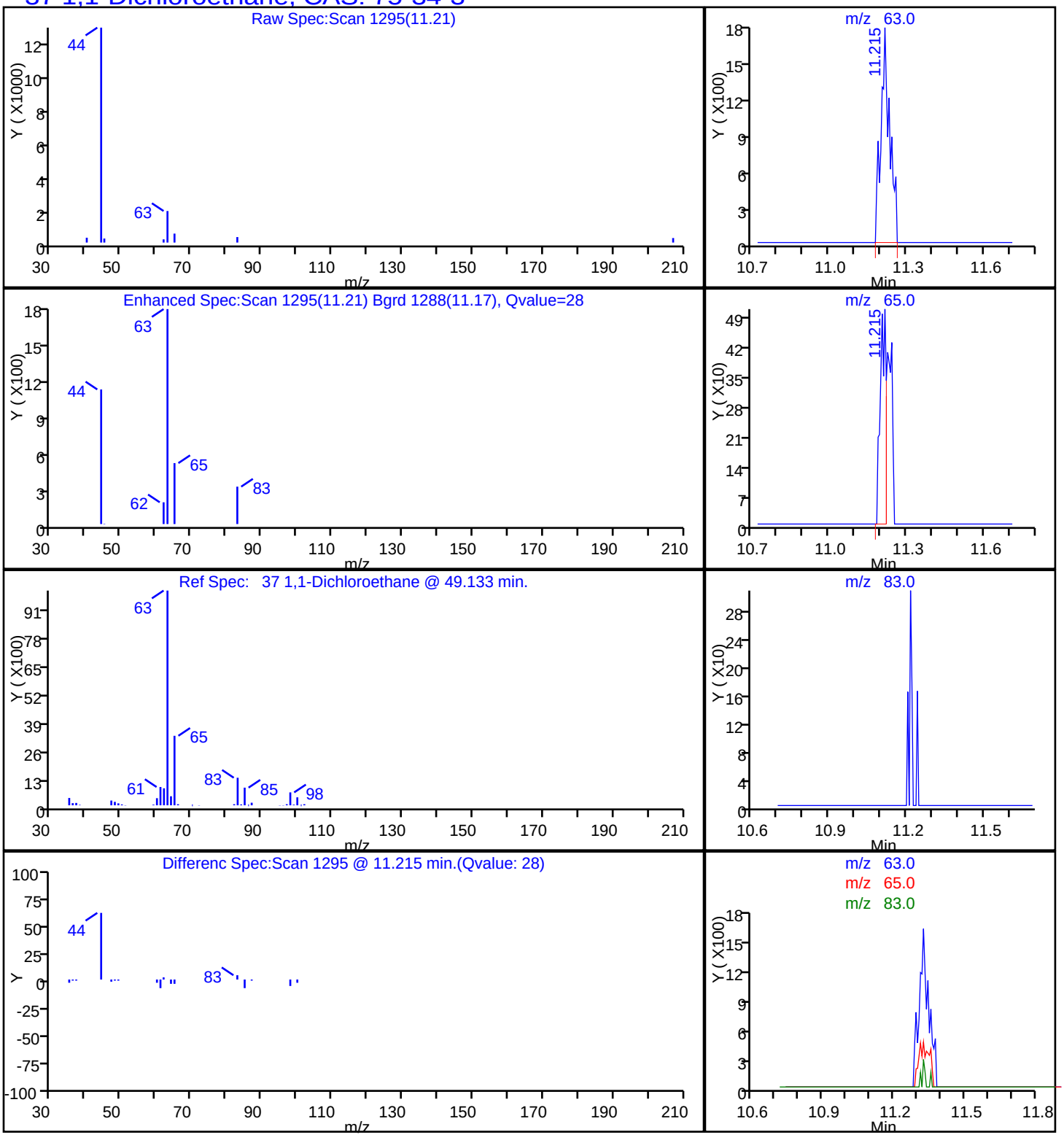
Report Date: 25-Feb-2014 09:48:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_015.d

Injection Date:	24-Feb-2014 23:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-28	Lab Sample ID:	200-20955-28		
Client ID:	SS-VMP-7A				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	7.4900		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



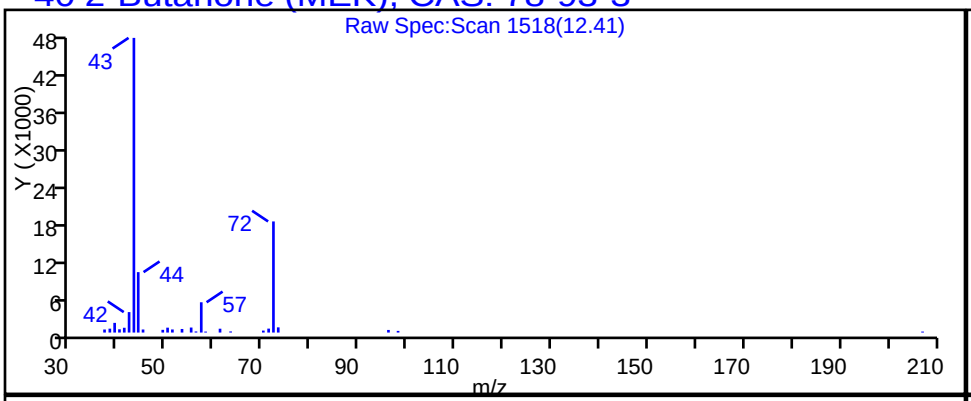
Report Date: 25-Feb-2014 09:48:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

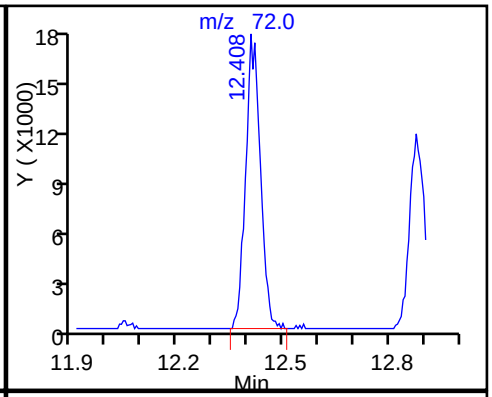
TestAmerica Burlington

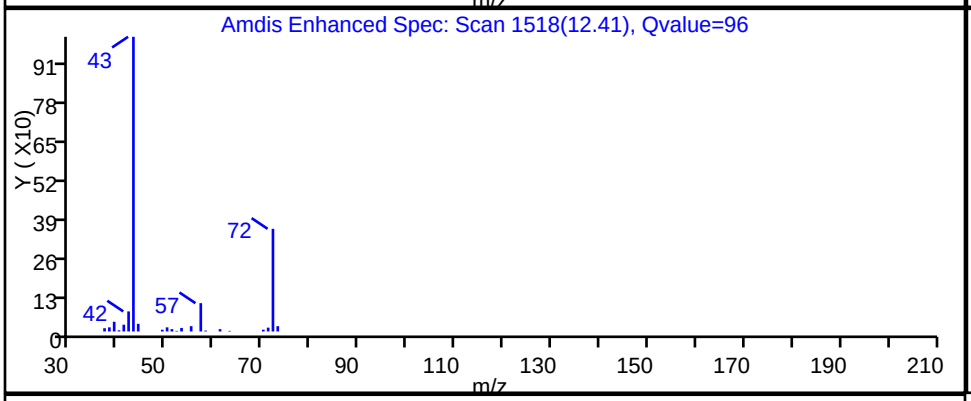
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_015.d

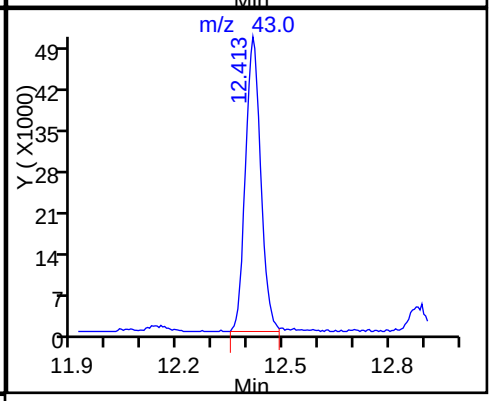
Injection Date:	24-Feb-2014 23:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-28	Lab Sample ID:	200-20955-28		
Client ID:	SS-VMP-7A				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	7.4900		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

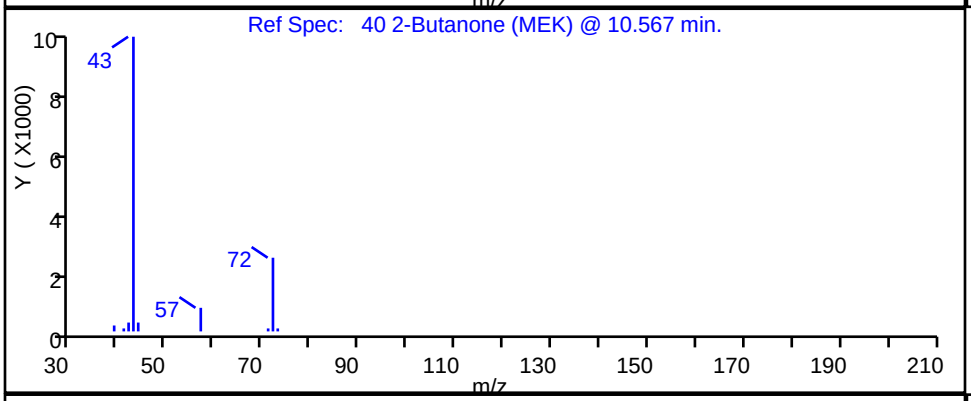
40 2-Butanone (MEK), CAS: 78-93-3

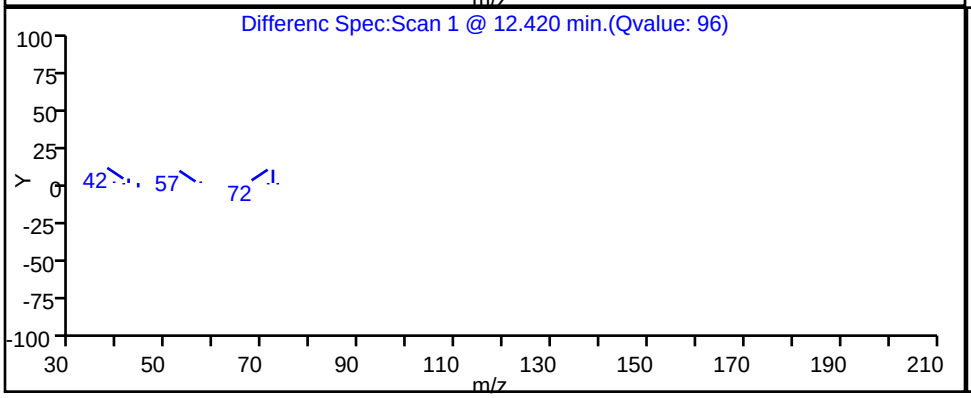


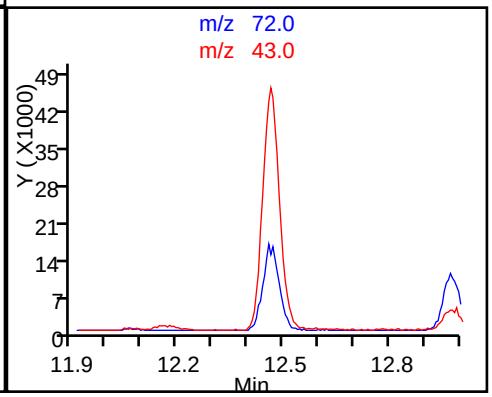












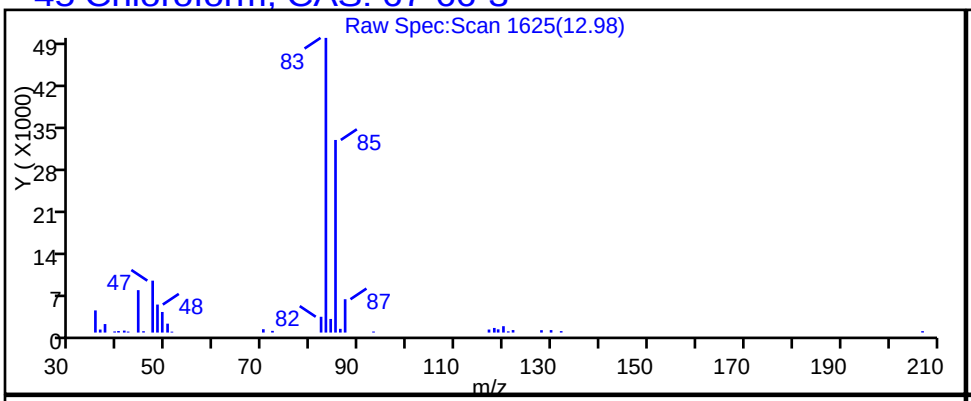
Report Date: 25-Feb-2014 09:48:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

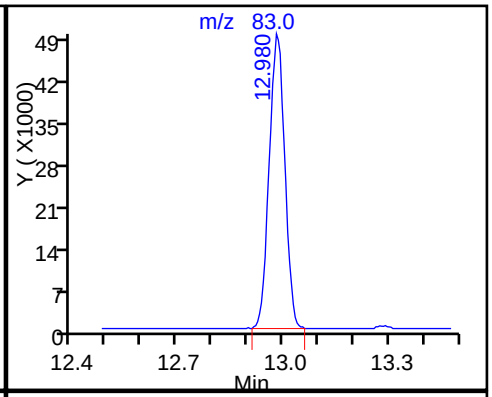
TestAmerica Burlington

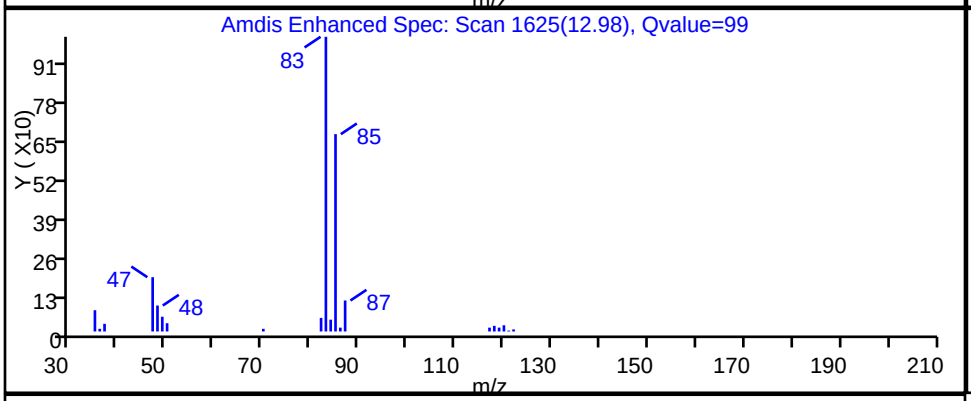
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_015.d

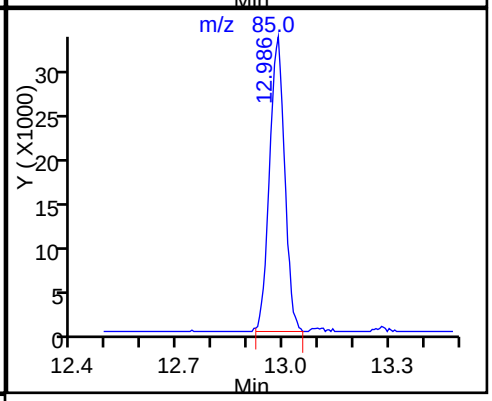
Injection Date:	24-Feb-2014 23:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-28	Lab Sample ID:	200-20955-28		
Client ID:	SS-VMP-7A				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	7.4900		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

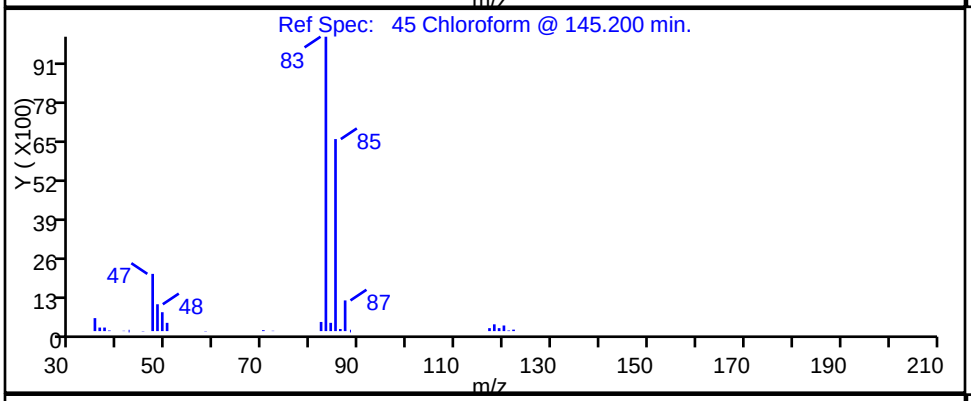
45 Chloroform, CAS: 67-66-3

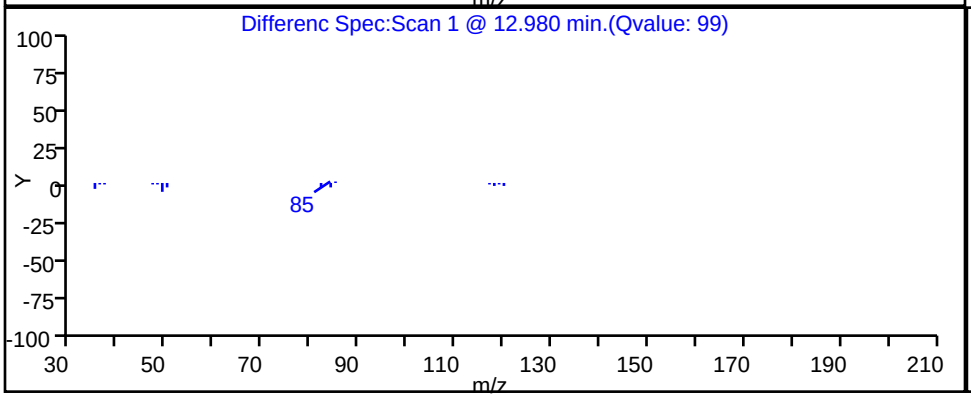


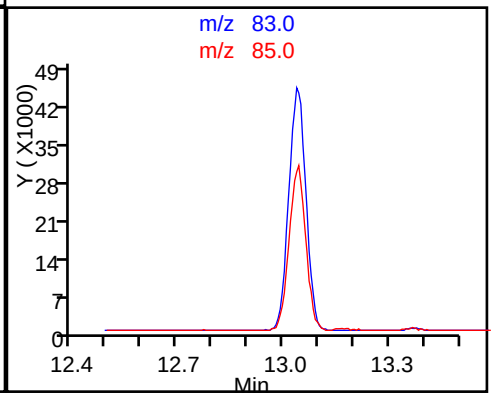












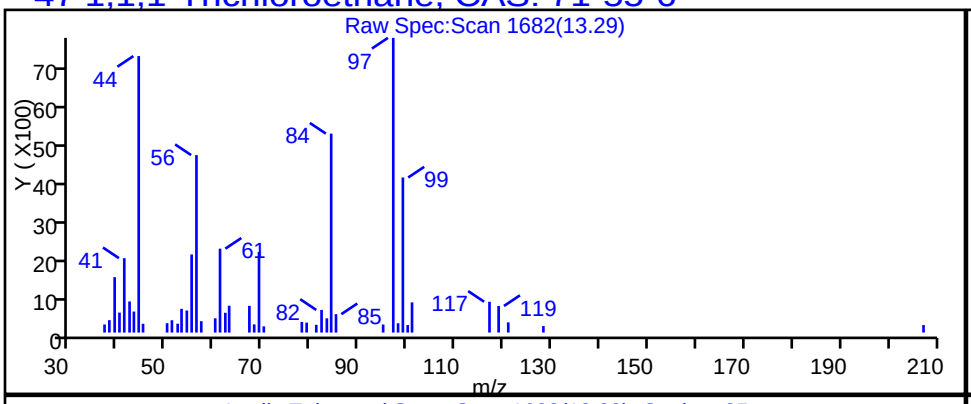
Report Date: 25-Feb-2014 09:48:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

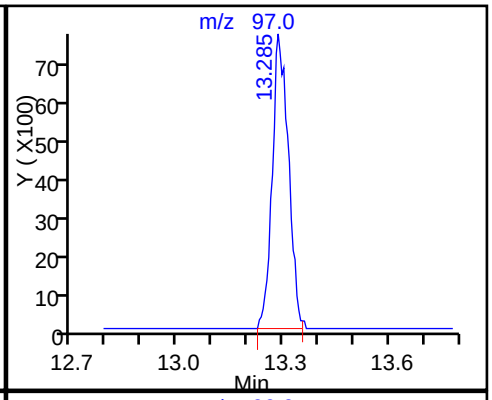
TestAmerica Burlington

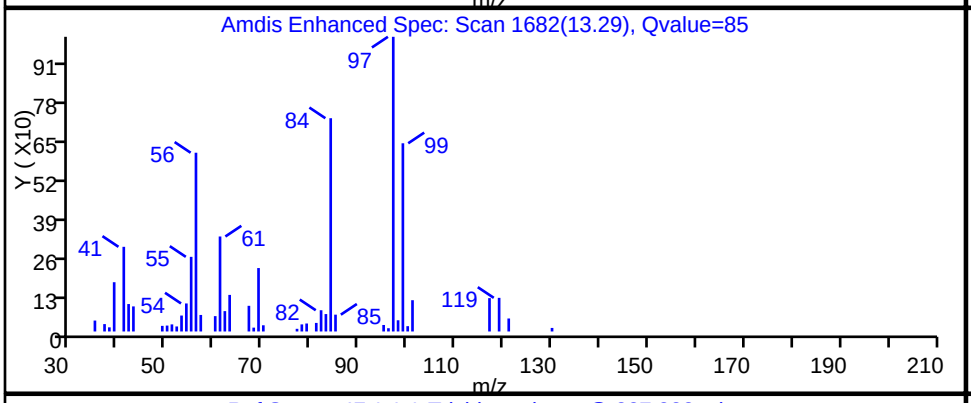
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_015.d

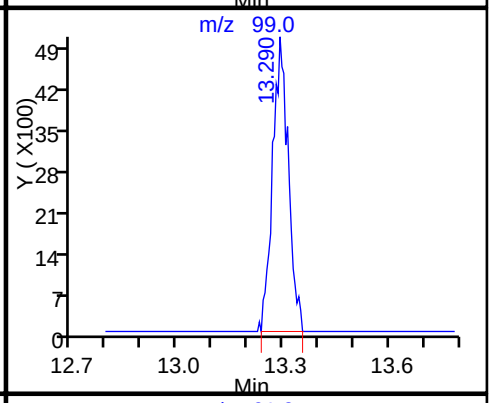
Injection Date:	24-Feb-2014 23:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-28	Lab Sample ID:	200-20955-28		
Client ID:	SS-VMP-7A				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	7.4900		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

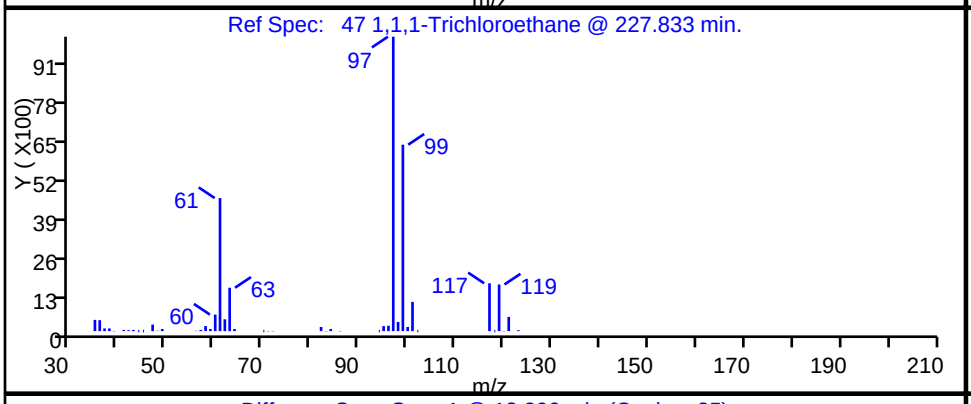
47 1,1,1-Trichloroethane, CAS: 71-55-6

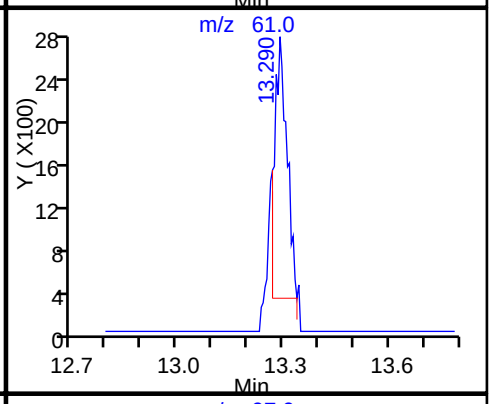


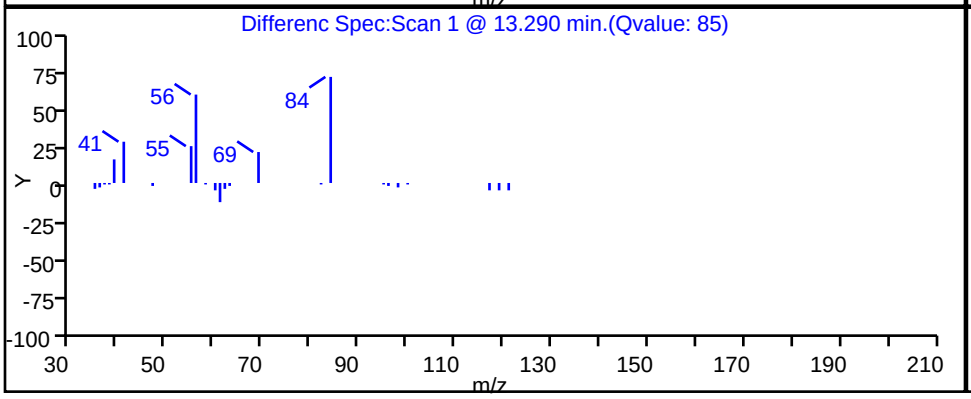


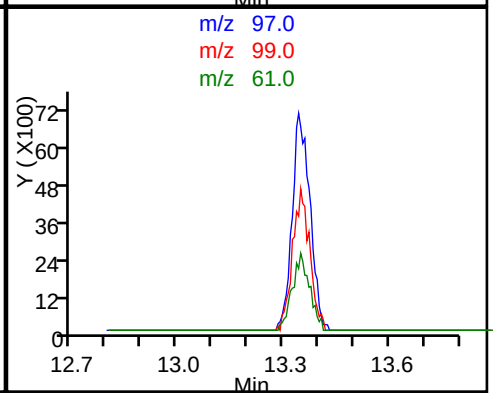












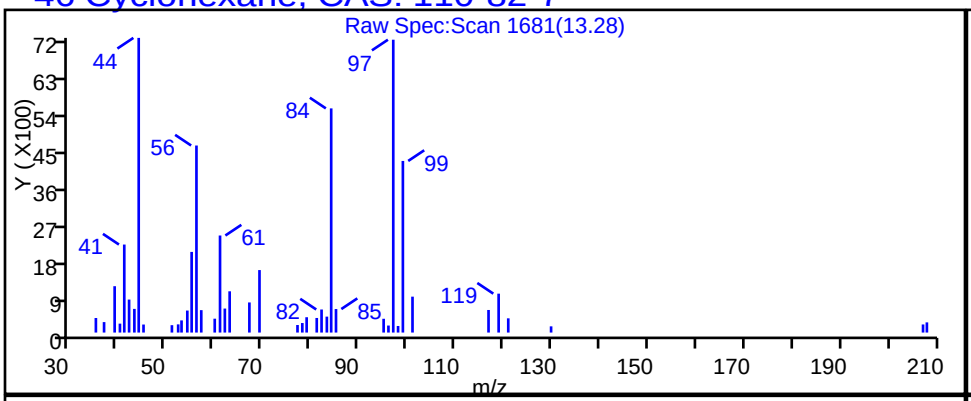
Report Date: 25-Feb-2014 09:48:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

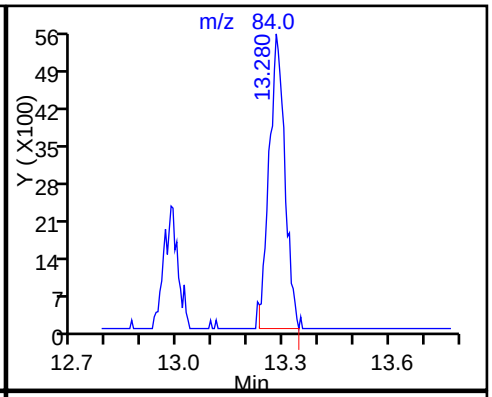
TestAmerica Burlington

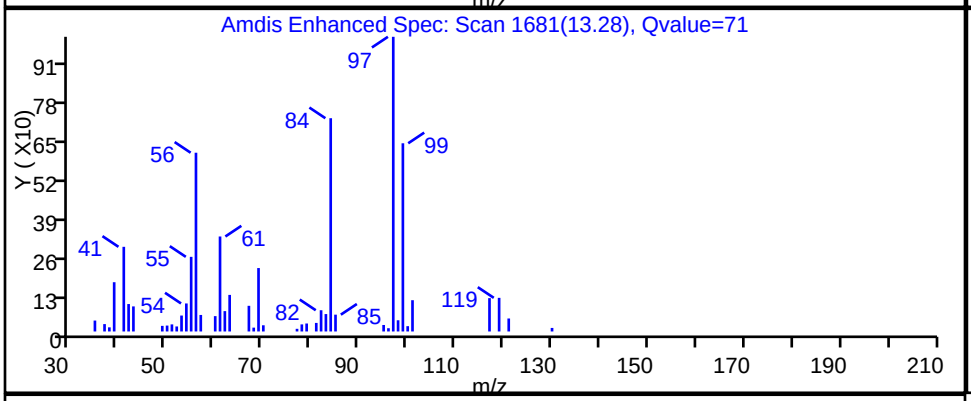
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_015.d

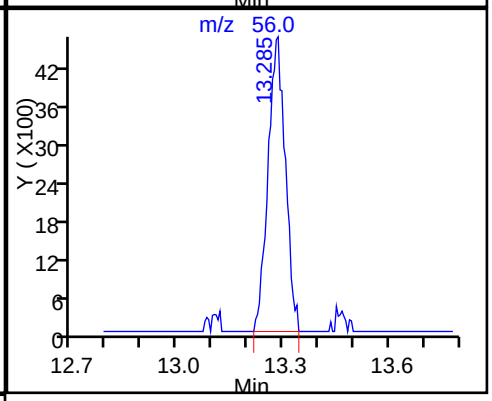
Injection Date:	24-Feb-2014 23:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-28	Lab Sample ID:	200-20955-28		
Client ID:	SS-VMP-7A				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	7.4900		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

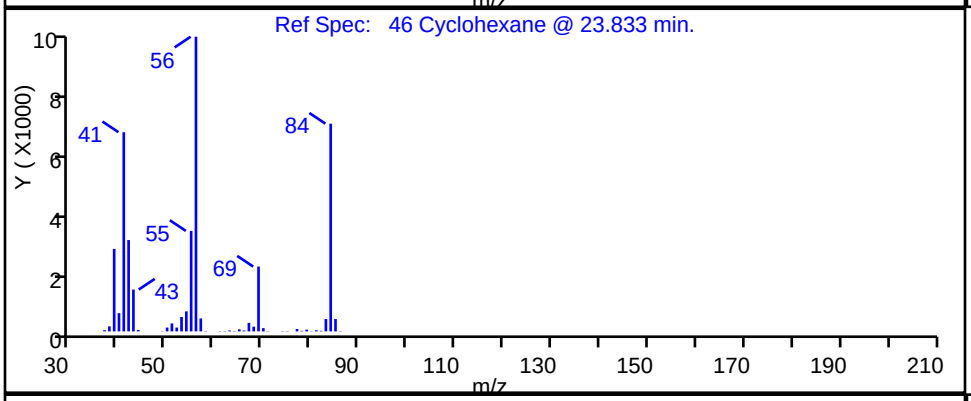
46 Cyclohexane, CAS: 110-82-7

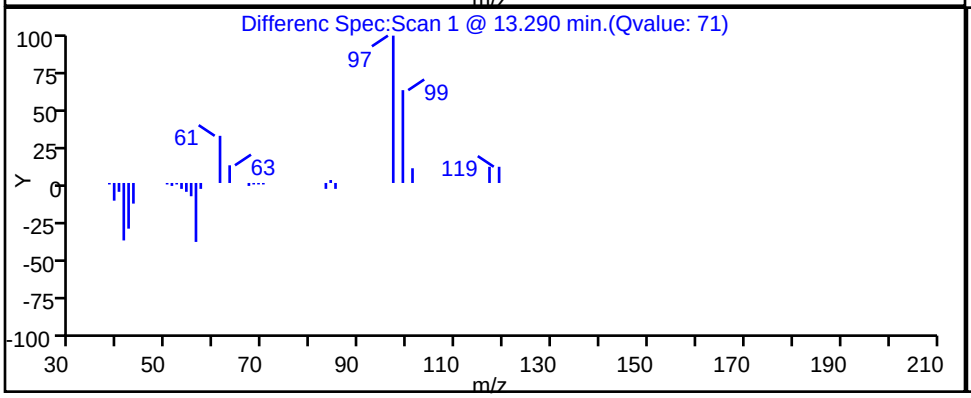


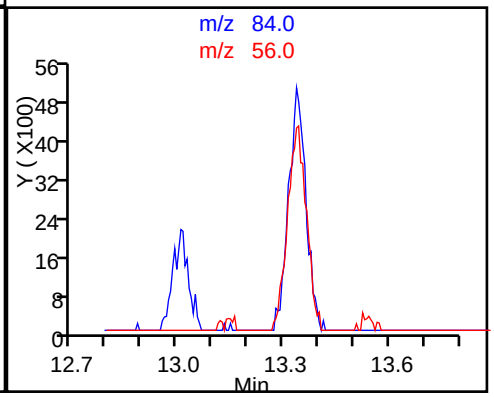












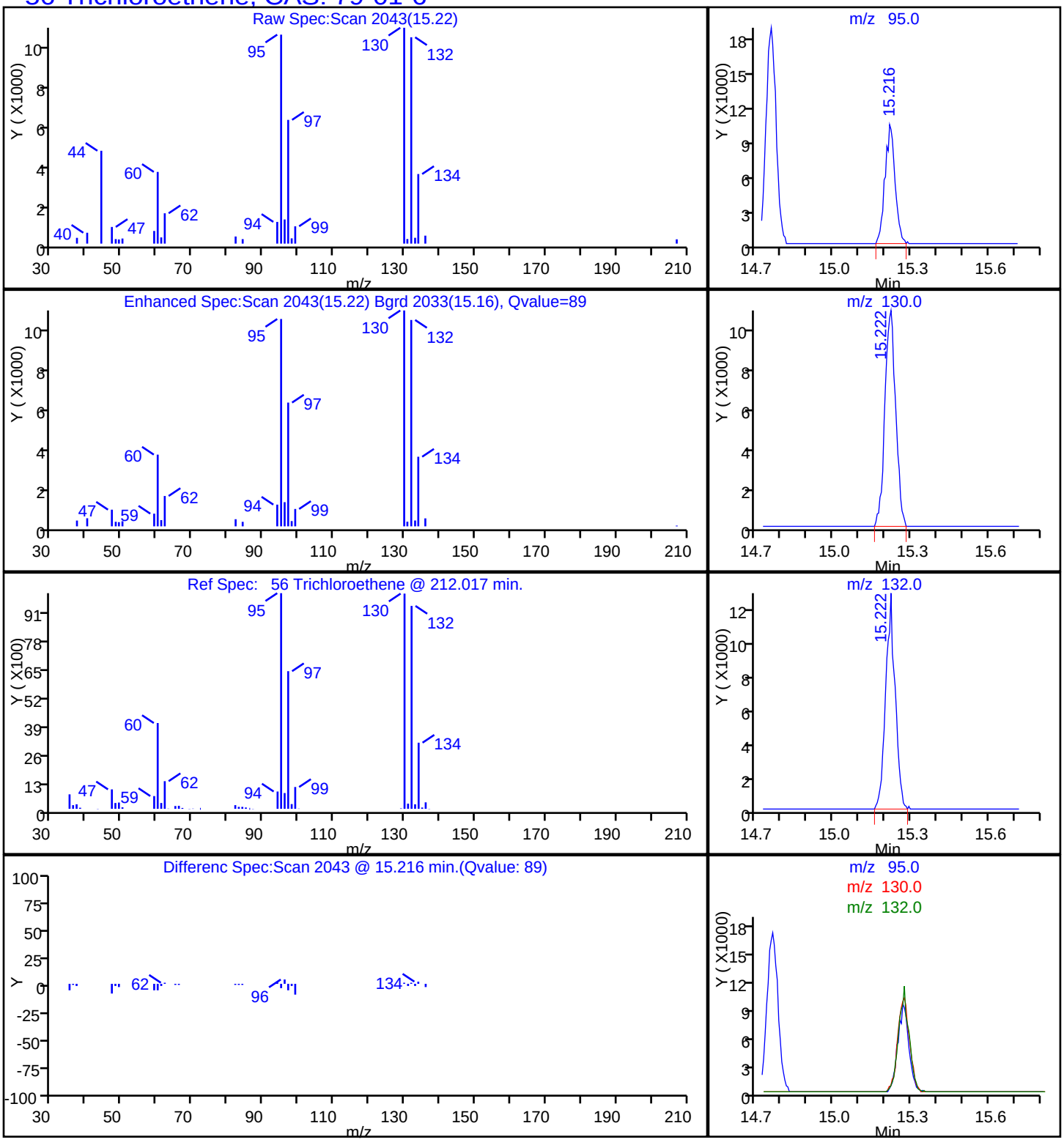
Report Date: 25-Feb-2014 09:48:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_015.d

Injection Date:	24-Feb-2014 23:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-28	Lab Sample ID:	200-20955-28		
Client ID:	SS-VMP-7A				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	7.4900		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



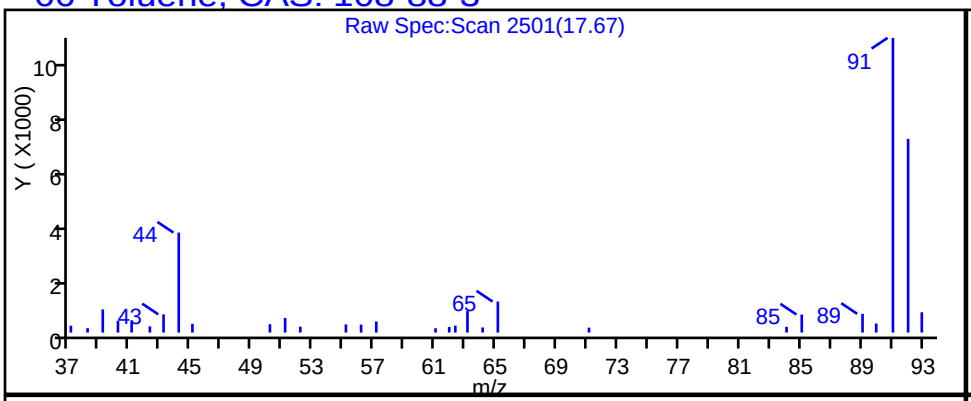
Report Date: 25-Feb-2014 09:48:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

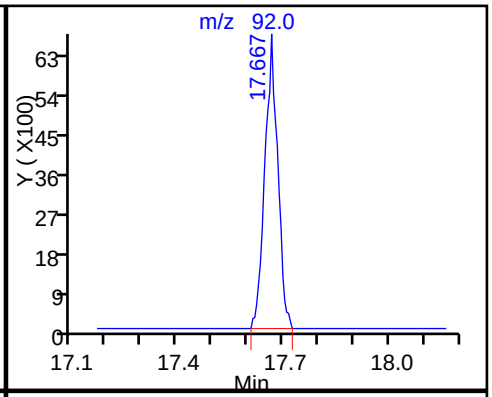
TestAmerica Burlington

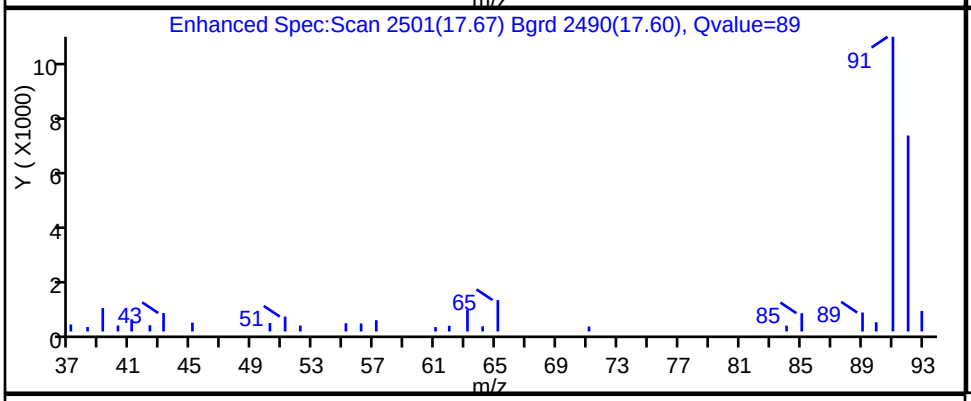
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_015.d

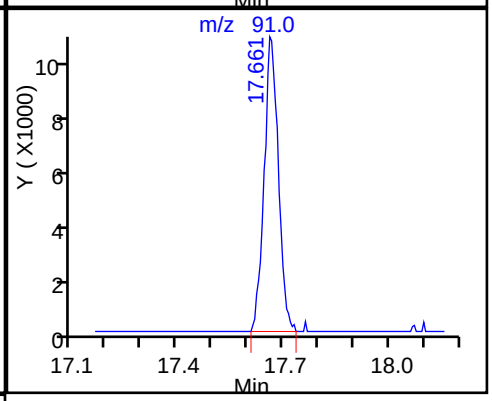
Injection Date:	24-Feb-2014 23:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-28	Lab Sample ID:	200-20955-28		
Client ID:	SS-VMP-7A				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	7.4900		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

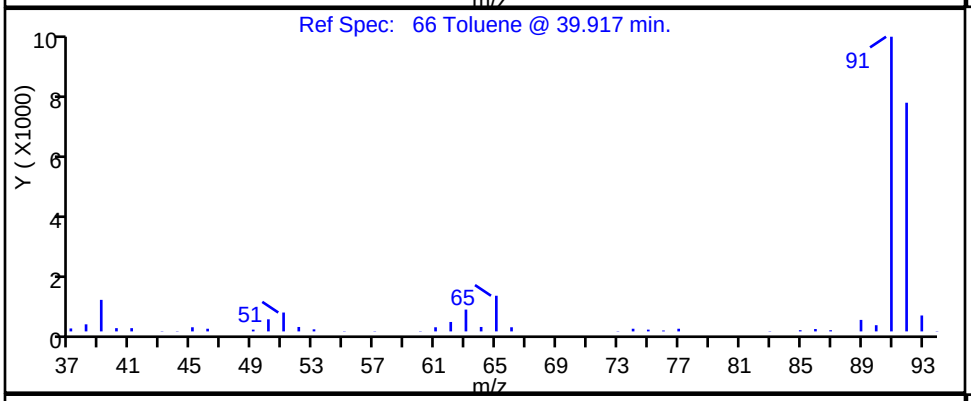
66 Toluene, CAS: 108-88-3

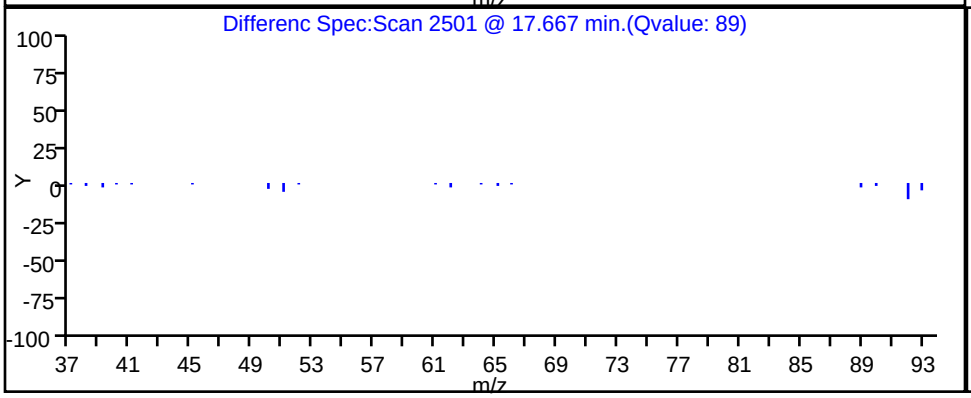


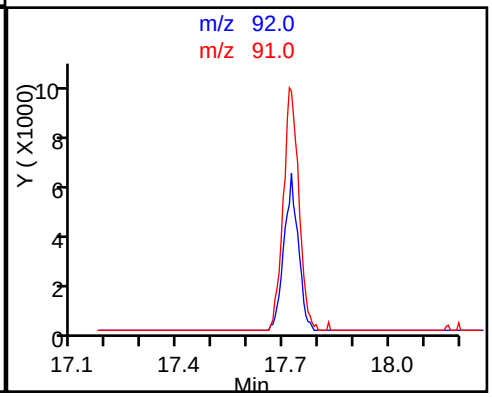












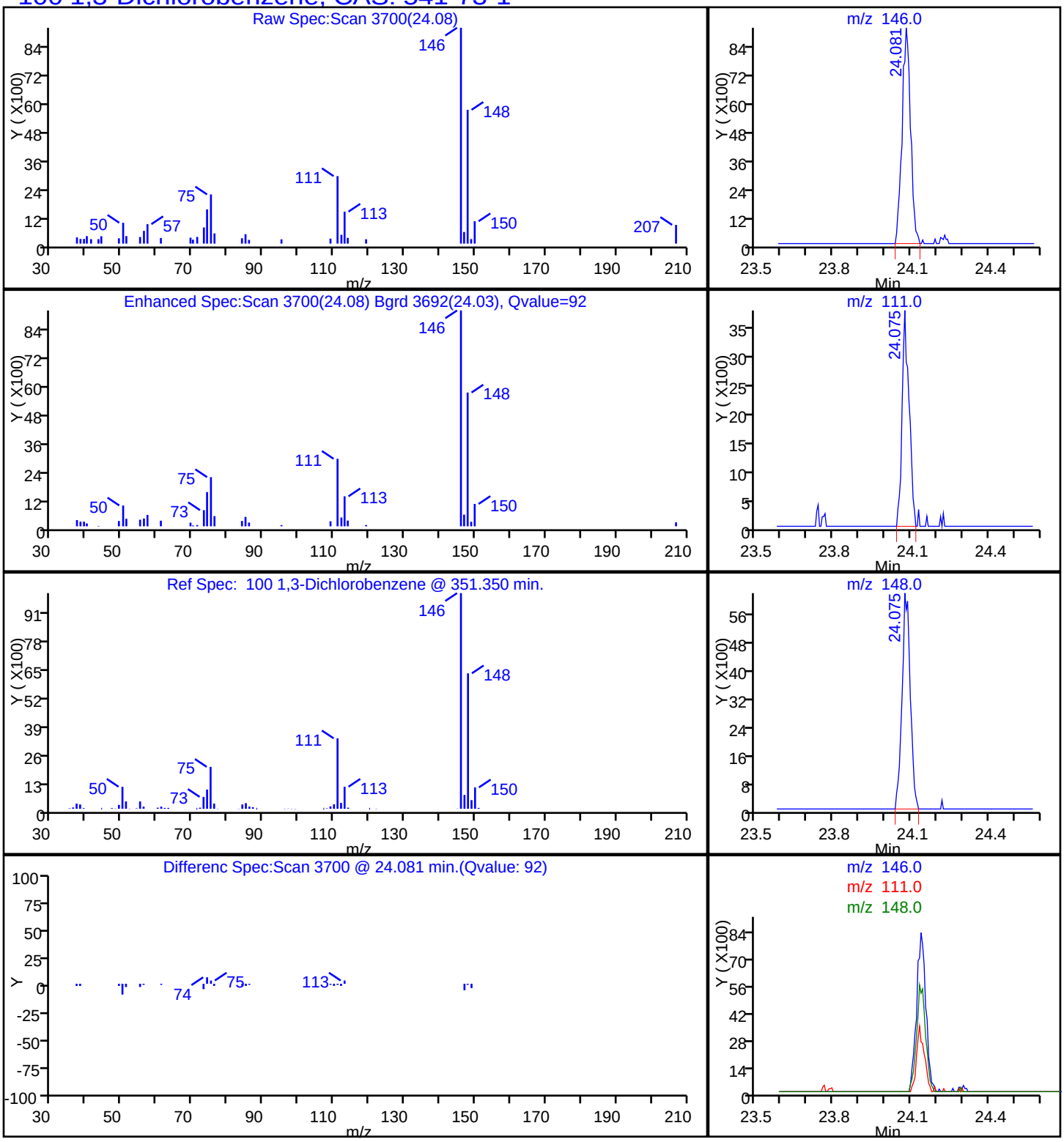
Report Date: 25-Feb-2014 09:48:35 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_015.d

Injection Date:	24-Feb-2014 23:16:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-28	Lab Sample ID:	200-20955-28		
Client ID:	SS-VMP-7A				
Operator ID:	bl	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	7.4900		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-DUP-021214 Lab Sample ID: 200-20955-30

Matrix: Air Lab File ID: 6282_016.d

Analysis Method: TO-15 Date Collected: 02/12/2014 00:00

Sample wt/vol: 69(mL) Date Analyzed: 02/25/2014 00:04

Soil Aliquot Vol: Dilution Factor: 7.48

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	3.7	U	3.7	0.22
75-45-6	Freon 22	86.47	3.7	U	3.7	0.36
76-14-2	Freon-114	170.92	1.5	U	1.5	0.26
74-87-3	Chloromethane	50.49	3.7	U	3.7	1.0
106-97-8	n-Butane	58.12	3.7	U	3.7	2.1
75-01-4	Vinyl chloride	62.50	0.30	U	0.30	0.28
106-99-0	1,3-Butadiene	54.09	1.5	U	1.5	0.31
74-83-9	Bromomethane	94.94	1.5	U	1.5	0.21
75-00-3	Chloroethane	64.52	3.7	U	3.7	0.22
593-60-2	Vinyl bromide	106.96	1.5	U	1.5	0.22
75-69-4	Freon 11	137.37	1.5	U	1.5	0.22
76-13-1	Freon 113	187.38	0.70	J	1.5	0.13
75-35-4	1,1-Dichloroethene	96.94	1.5	U	1.5	0.18
67-64-1	Acetone	58.08	31	J	37	9.4
67-63-0	Isopropyl alcohol	60.10	1200	E	37	1.6
75-15-0	Carbon disulfide	76.14	3.7	U	3.7	0.49
107-05-1	Allyl chloride	76.53	3.7	U	3.7	0.25
75-09-2	Methylene Chloride	84.93	210		3.7	0.94
75-65-0	tert-Butyl alcohol	74.12	37	U	37	2.5
1634-04-4	Methyl tert-butyl ether	88.15	1.5	U	1.5	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	1.5	U	1.5	0.22
110-54-3	Hexane	86.17	0.94	J	1.5	0.25
75-34-3	1,1-Dichloroethane	98.96	0.49	J	1.5	0.28
78-93-3	Methyl Ethyl Ketone	72.11	28		3.7	1.8
156-59-2	cis-1,2-Dichloroethene	96.94	1.5	U	1.5	0.28
540-59-0	1,2-Dichloroethene, Total	96.94	1.5	U	1.5	0.48
67-66-3	Chloroform	119.38	14		1.5	0.19
109-99-9	Tetrahydrofuran	72.11	20	J	37	0.34
71-55-6	1,1,1-Trichloroethane	133.41	1.9		1.5	0.16
110-82-7	Cyclohexane	84.16	3.2		1.5	0.19
56-23-5	Carbon tetrachloride	153.81	0.30	U	0.30	0.16
540-84-1	2,2,4-Trimethylpentane	114.23	1.5	U	1.5	0.20
71-43-2	Benzene	78.11	0.44	J	1.5	0.14
107-06-2	1,2-Dichloroethane	98.96	1.5	U	1.5	0.13
142-82-5	Heptane	100.21	1.5	U	1.5	0.34

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-DUP-021214 Lab Sample ID: 200-20955-30

Matrix: Air Lab File ID: 6282_016.d

Analysis Method: TO-15 Date Collected: 02/12/2014 00:00

Sample wt/vol: 69(mL) Date Analyzed: 02/25/2014 00:04

Soil Aliquot Vol: Dilution Factor: 7.48

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	3.8		0.30	0.18
80-62-6	Methyl methacrylate	100.12	3.7	U	3.7	0.22
78-87-5	1,2-Dichloropropane	112.99	1.5	U	1.5	0.24
123-91-1	1,4-Dioxane	88.11	37	U	37	1.5
75-27-4	Bromodichloromethane	163.83	1.5	U	1.5	0.13
10061-01-5	cis-1,3-Dichloropropene	110.97	1.5	U	1.5	0.21
108-10-1	methyl isobutyl ketone	100.16	3.7	U	3.7	0.20
108-88-3	Toluene	92.14	1.8		1.5	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	1.5	U	1.5	0.16
79-00-5	1,1,2-Trichloroethane	133.41	1.5	U	1.5	0.13
127-18-4	Tetrachloroethene	165.83	1.5	U	1.5	0.12
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	3.7	U	3.7	1.5
124-48-1	Dibromochloromethane	208.29	1.5	U	1.5	0.15
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	1.5	U	1.5	0.061
100-41-4	Ethylbenzene	106.17	0.15	J	1.5	0.097
179601-23-1	m,p-Xylene	106.17	3.7	U	3.7	0.17
95-47-6	Xylene, o-	106.17	1.5	U	1.5	0.12
1330-20-7	Xylene (total)	106.17	1.5	U	1.5	0.25
100-42-5	Styrene	104.15	0.23	J	1.5	0.13
75-25-2	Bromoform	252.75	1.5	U	1.5	0.075
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.5	U	1.5	0.12
103-65-1	n-Propylbenzene	120.19	1.5	U	1.5	0.60
622-96-8	4-Ethyltoluene	120.20	1.5	U	1.5	0.13
108-67-8	1,3,5-Trimethylbenzene	120.20	1.5	U	1.5	0.090
95-49-8	2-Chlorotoluene	126.59	1.5	U	1.5	0.097
98-06-6	tert-Butylbenzene	134.22	1.5	U	1.5	0.13
95-63-6	1,2,4-Trimethylbenzene	120.20	1.5	U	1.5	0.10
135-98-8	sec-Butylbenzene	134.22	1.5	U	1.5	0.60
99-87-6	4-Isopropyltoluene	134.22	1.5	U	1.5	0.60
541-73-1	1,3-Dichlorobenzene	147.00	1.2	J B	1.5	0.10
106-46-7	1,4-Dichlorobenzene	147.00	1.5	U	1.5	0.10
100-44-7	Benzyl chloride	126.58	1.5	U	1.5	0.60
104-51-8	n-Butylbenzene	134.22	1.5	U	1.5	0.60

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-DUP-021214 Lab Sample ID: 200-20955-30

Matrix: Air Lab File ID: 6282_016.d

Analysis Method: TO-15 Date Collected: 02/12/2014 00:00

Sample wt/vol: 69(mL) Date Analyzed: 02/25/2014 00:04

Soil Aliquot Vol: Dilution Factor: 7.48

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.5	U	1.5	0.10
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	1.5	U	1.5	0.16
91-20-3	Naphthalene	128.17	3.7	U	3.7	1.5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-DUP-021214 Lab Sample ID: 200-20955-30

Matrix: Air Lab File ID: 6282_016.d

Analysis Method: TO-15 Date Collected: 02/12/2014 00:00

Sample wt/vol: 69(mL) Date Analyzed: 02/25/2014 00:04

Soil Aliquot Vol: Dilution Factor: 7.48

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	18	U	18	1.1
75-45-6	Freon 22	86.47	13	U	13	1.3
76-14-2	Freon-114	170.92	10	U	10	1.8
74-87-3	Chloromethane	50.49	7.7	U	7.7	2.1
106-97-8	n-Butane	58.12	8.9	U	8.9	5.0
75-01-4	Vinyl chloride	62.50	0.76	U	0.76	0.73
106-99-0	1,3-Butadiene	54.09	3.3	U	3.3	0.70
74-83-9	Bromomethane	94.94	5.8	U	5.8	0.81
75-00-3	Chloroethane	64.52	9.9	U	9.9	0.59
593-60-2	Vinyl bromide	106.96	6.5	U	6.5	0.98
75-69-4	Freon 11	137.37	8.4	U	8.4	1.3
76-13-1	Freon 113	187.38	5.4	J	11	1.0
75-35-4	1,1-Dichloroethene	96.94	5.9	U	5.9	0.71
67-64-1	Acetone	58.08	74	J	89	22
67-63-0	Isopropyl alcohol	60.10	2900	E	92	4.0
75-15-0	Carbon disulfide	76.14	12	U	12	1.5
107-05-1	Allyl chloride	76.53	12	U	12	0.80
75-09-2	Methylene Chloride	84.93	720		13	3.2
75-65-0	tert-Butyl alcohol	74.12	110	U	110	7.4
1634-04-4	Methyl tert-butyl ether	88.15	5.4	U	5.4	0.59
156-60-5	trans-1,2-Dichloroethene	96.94	5.9	U	5.9	0.86
110-54-3	Hexane	86.17	3.3	J	5.3	0.90
75-34-3	1,1-Dichloroethane	98.96	2.0	J	6.1	1.2
78-93-3	Methyl Ethyl Ketone	72.11	82		11	5.3
156-59-2	cis-1,2-Dichloroethene	96.94	5.9	U	5.9	1.1
540-59-0	1,2-Dichloroethene, Total	96.94	5.9	U	5.9	1.9
67-66-3	Chloroform	119.38	69		7.3	0.91
109-99-9	Tetrahydrofuran	72.11	58	J	110	1.0
71-55-6	1,1,1-Trichloroethane	133.41	10		8.2	0.86
110-82-7	Cyclohexane	84.16	11		5.1	0.64
56-23-5	Carbon tetrachloride	153.81	1.9	U	1.9	0.99
540-84-1	2,2,4-Trimethylpentane	114.23	7.0	U	7.0	0.94
71-43-2	Benzene	78.11	1.4	J	4.8	0.45
107-06-2	1,2-Dichloroethane	98.96	6.1	U	6.1	0.51
142-82-5	Heptane	100.21	6.1	U	6.1	1.4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-DUP-021214 Lab Sample ID: 200-20955-30

Matrix: Air Lab File ID: 6282_016.d

Analysis Method: TO-15 Date Collected: 02/12/2014 00:00

Sample wt/vol: 69(mL) Date Analyzed: 02/25/2014 00:04

Soil Aliquot Vol: Dilution Factor: 7.48

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	21		1.6	0.96
80-62-6	Methyl methacrylate	100.12	15	U	15	0.92
78-87-5	1,2-Dichloropropane	112.99	6.9	U	6.9	1.1
123-91-1	1,4-Dioxane	88.11	130	U	130	5.4
75-27-4	Bromodichloromethane	163.83	10	U	10	0.85
10061-01-5	cis-1,3-Dichloropropene	110.97	6.8	U	6.8	0.95
108-10-1	methyl isobutyl ketone	100.16	15	U	15	0.83
108-88-3	Toluene	92.14	6.9		5.6	0.48
10061-02-6	trans-1,3-Dichloropropene	110.97	6.8	U	6.8	0.75
79-00-5	1,1,2-Trichloroethane	133.41	8.2	U	8.2	0.69
127-18-4	Tetrachloroethene	165.83	10	U	10	0.81
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	15	U	15	6.1
124-48-1	Dibromochloromethane	208.29	13	U	13	1.3
106-93-4	1,2-Dibromoethane	187.87	11	U	11	1.1
108-90-7	Chlorobenzene	112.56	6.9	U	6.9	0.28
100-41-4	Ethylbenzene	106.17	0.65	J	6.5	0.42
179601-23-1	m,p-Xylene	106.17	16	U	16	0.75
95-47-6	Xylene, o-	106.17	6.5	U	6.5	0.52
1330-20-7	Xylene (total)	106.17	6.5	U	6.5	1.1
100-42-5	Styrene	104.15	0.98	J	6.4	0.57
75-25-2	Bromoform	252.75	15	U	15	0.77
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10	U	10	0.82
103-65-1	n-Propylbenzene	120.19	7.4	U	7.4	2.9
622-96-8	4-Ethyltoluene	120.20	7.4	U	7.4	0.66
108-67-8	1,3,5-Trimethylbenzene	120.20	7.4	U	7.4	0.44
95-49-8	2-Chlorotoluene	126.59	7.7	U	7.7	0.50
98-06-6	tert-Butylbenzene	134.22	8.2	U	8.2	0.70
95-63-6	1,2,4-Trimethylbenzene	120.20	7.4	U	7.4	0.51
135-98-8	sec-Butylbenzene	134.22	8.2	U	8.2	3.3
99-87-6	4-Isopropyltoluene	134.22	8.2	U	8.2	3.3
541-73-1	1,3-Dichlorobenzene	147.00	7.5	J B	9.0	0.63
106-46-7	1,4-Dichlorobenzene	147.00	9.0	U	9.0	0.63
100-44-7	Benzyl chloride	126.58	7.7	U	7.7	3.1
104-51-8	n-Butylbenzene	134.22	8.2	U	8.2	3.3

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-DUP-021214 Lab Sample ID: 200-20955-30

Matrix: Air Lab File ID: 6282_016.d

Analysis Method: TO-15 Date Collected: 02/12/2014 00:00

Sample wt/vol: 69(mL) Date Analyzed: 02/25/2014 00:04

Soil Aliquot Vol: Dilution Factor: 7.48

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.0	U	9.0	0.63
120-82-1	1,2,4-Trichlorobenzene	181.45	28	U	28	1.5
87-68-3	Hexachloro-1,3-butadiene	260.76	16	U	16	1.8
91-20-3	Naphthalene	128.17	20	U	20	7.8

Report Date: 25-Feb-2014 09:48:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d
Lims ID: 200-20955-A-30 Lab Sample ID: 200-20955-30
Client ID: SS-DUP-021214
Sample Type: Client
Inject. Date: 25-Feb-2014 00:04:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 7.4800
Sample Info: 200-0006282-016
Misc. Info.: 200-20955-a-30@7.48 cdf=2.58 69ml
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 09:48:16 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 25-Feb-2014 09:43:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		4.463					
6 Chlorodifluoromethane	51		4.528					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.816					
8 Chloromethane	50		5.009					
9 Butane	43		5.276					
10 Vinyl chloride	62		5.335					
11 Butadiene	54		5.432					
12 Bromomethane	94		6.298					
14 Chloroethane	64		6.587					
16 Vinyl bromide	106		7.063					
17 Trichlorofluoromethane	101		7.181					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.470	8.433	0.037	71	9383	0.0935	
24 1,1-Dichloroethene	96		8.508					
25 Acetone	43	8.775	8.743	0.032	87	188632	4.15	
26 Carbon disulfide	76		8.995					
27 Isopropyl alcohol	45	9.080	9.027	0.053	97	6004806	157.7	E
29 3-Chloro-1-propene	41		9.401					
31 Methylene Chloride	49	9.754	9.727	0.027	79	877590	27.7	
32 2-Methyl-2-propanol	59		9.904					
33 Methyl tert-butyl ether	73		10.155					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.230					
36 Hexane	57	10.658	10.648	0.010	78	5480	0.1251	
37 1,1-Dichloroethane	63	11.209	11.193	0.016	31	4579	0.0653	
39 cis-1,2-Dichloroethene	96		12.370					
40 2-Butanone (MEK)	72	12.402	12.386	0.016	97	71680	3.72	
44 Tetrahydrofuran	42	12.868	12.846	0.022	46	73682	2.63	
* 43 Chlorobromomethane	128	12.863	12.857	0.005	69	312973	10.0	
45 Chloroform	83	12.975	12.964	0.011	99	199395	1.90	
46 Cyclohexane	84	13.285	13.258	0.027	85	23059	0.4271	
47 1,1,1-Trichloroethane	97	13.285	13.274	0.011	89	30618	0.2480	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v		Flags
	48	Carbon tetrachloride	117		13.531						
	51	Isooctane	57		13.922						
	50	Benzene	78	13.991	13.980	0.011	56	7496	0.0582		
	52	1,2-Dichloroethane	62		14.141						
	53	n-Heptane	43		14.269						
*	54	1,4-Difluorobenzene	114	14.751	14.745	0.006	93	1478763	10.0		
	56	Trichloroethene	95	15.216	15.206	0.010	87	34008	0.5127		M
	58	1,2-Dichloropropane	63		15.730						
	59	Methyl methacrylate	69		15.810						
	60	1,4-Dioxane	88		15.901						
	62	Dichlorobromomethane	83		16.217						
	64	cis-1,3-Dichloropropene	75		17.083						
	65	4-Methyl-2-pentanone (MIBK)	43		17.319						
	66	Toluene	92	17.661	17.656	0.005	92	24789	0.2464		
	70	trans-1,3-Dichloropropene	75		18.191						
	71	1,1,2-Trichloroethane	83		18.554						
	72	Tetrachloroethene	166		18.699						
	73	2-Hexanone	43		18.945						
	74	Chlorodibromomethane	129		19.314						
	75	Ethylene Dibromide	107		19.598						
S	82	Xylenes, Total	106		20.100						
*	76	Chlorobenzene-d5	117	20.443	20.443	0.0	84	1387394	10.0		
	77	Chlorobenzene	112		20.496						
	78	Ethylbenzene	91	20.620	20.614	0.006	53	4714	0.0201		7M
	80	m-Xylene & p-Xylene	106		20.833						
	83	o-Xylene	106		21.545						
	84	Styrene	104	21.583	21.582	0.001	39	4079	0.0307		
	85	Bromoform	173		21.957						
$	87	4-Bromofluorobenzene	95	22.444	22.444	0.0	97	962045	NC		
	88	1,1,2,2-Tetrachloroethane	83		22.668						
	90	N-Propylbenzene	91		22.743						
	91	4-Ethyltoluene	105		22.909						
	92	2-Chlorotoluene	91		22.941						
	94	1,3,5-Trimethylbenzene	105		23.000						
	96	tert-Butylbenzene	119		23.476						
	97	1,2,4-Trimethylbenzene	105		23.567						
	98	sec-Butylbenzene	105		23.808						
	99	4-Isopropyltoluene	119		24.011						
	100	1,3-Dichlorobenzene	146	24.075	24.081	-0.006	95	32689	0.1658		
	101	1,4-Dichlorobenzene	146		24.225						
	102	Benzyl chloride	91		24.434						
	103	n-Butylbenzene	91		24.648						
	105	1,2-Dichlorobenzene	146		24.830						
	107	1,2,4-Trichlorobenzene	180		27.729						
	108	Hexachlorobutadiene	225		27.932						
	109	Naphthalene	128		28.312						

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

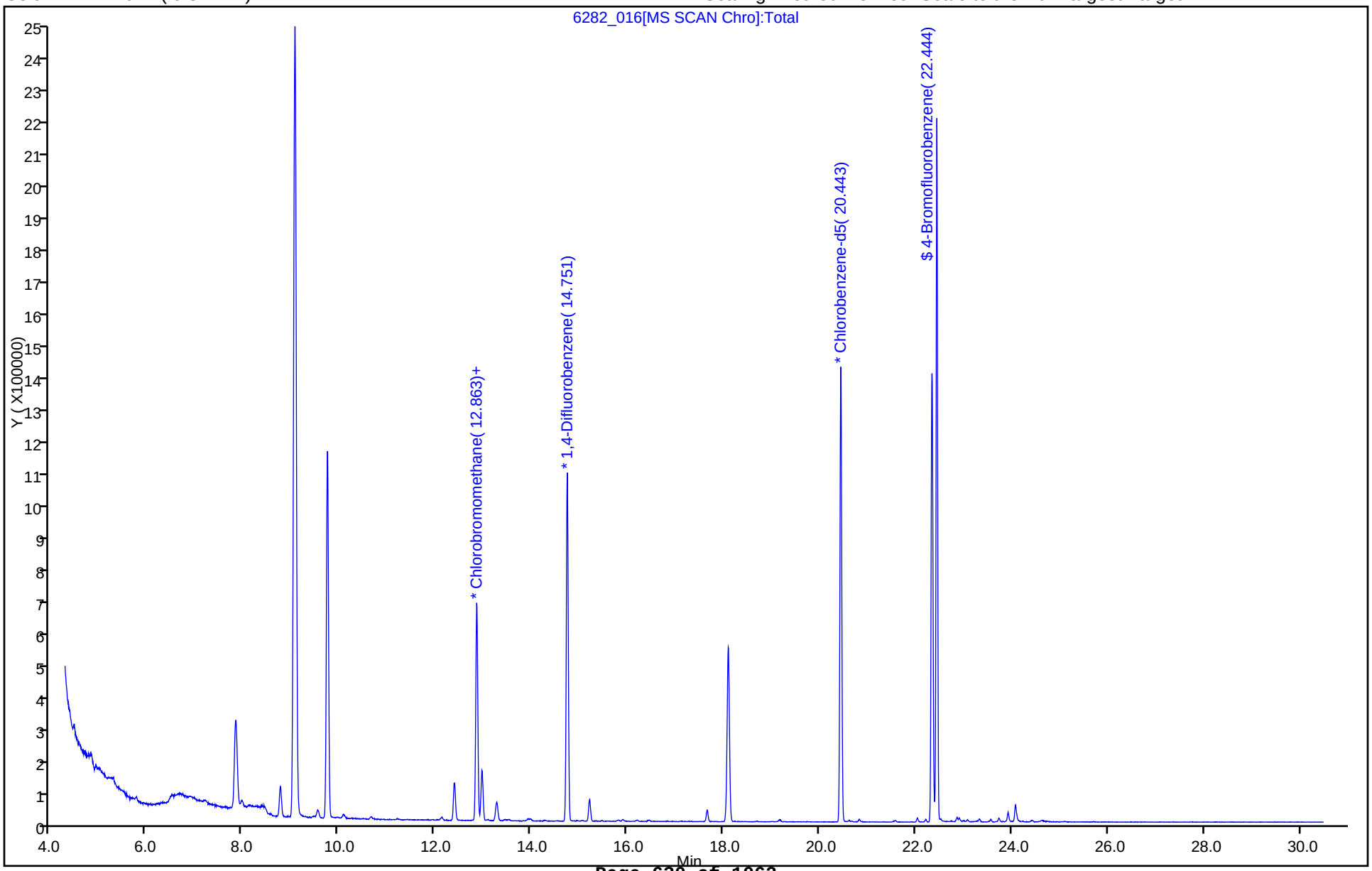
Report Date: 25-Feb-2014 09:48:36 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30	Worklist Smp#:	16
Client ID:	SS-DUP-021214				
Purge Vol:	200.000 mL	Dil. Factor:	7.4800	ALS Bottle#:	15
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



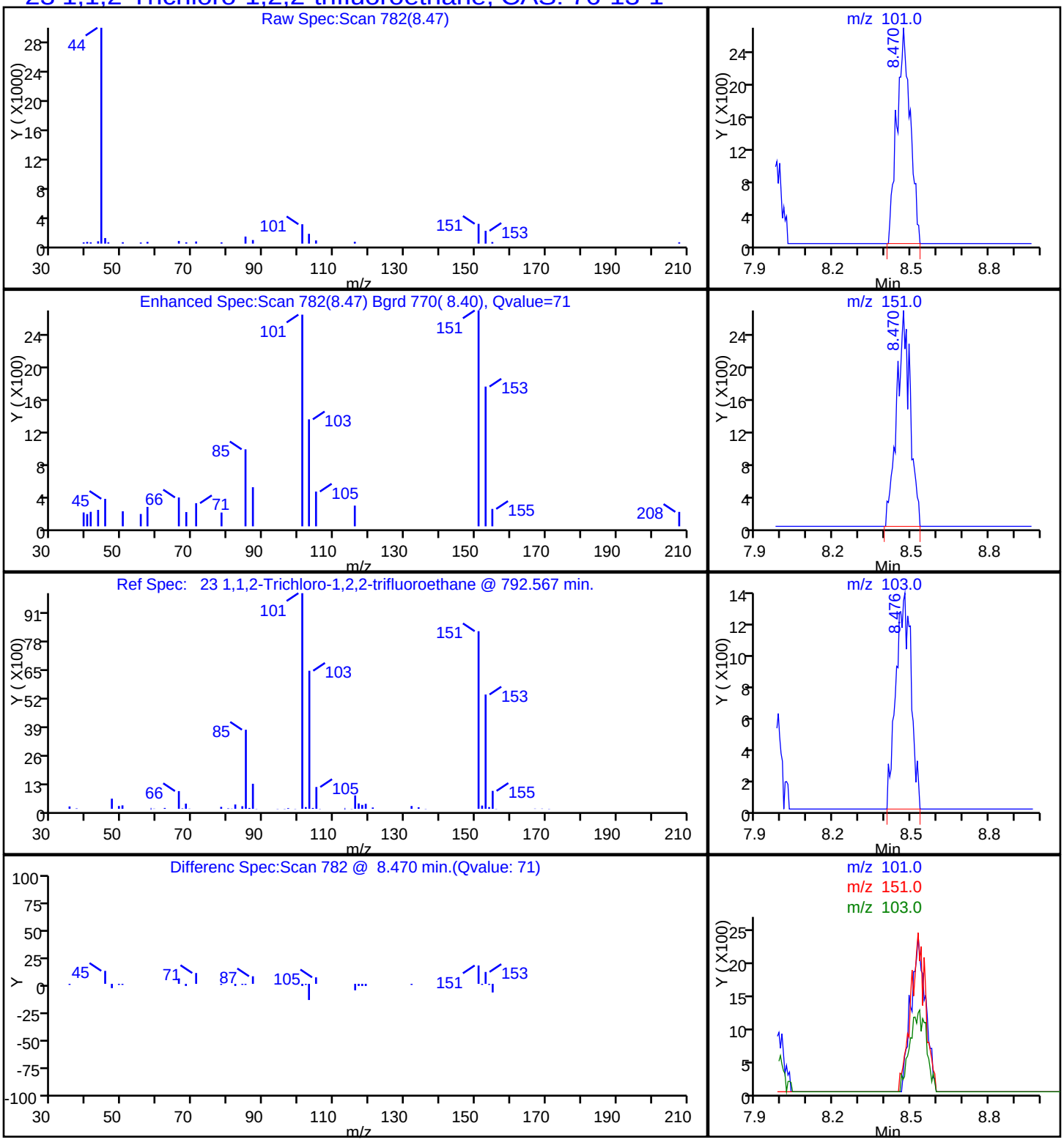
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



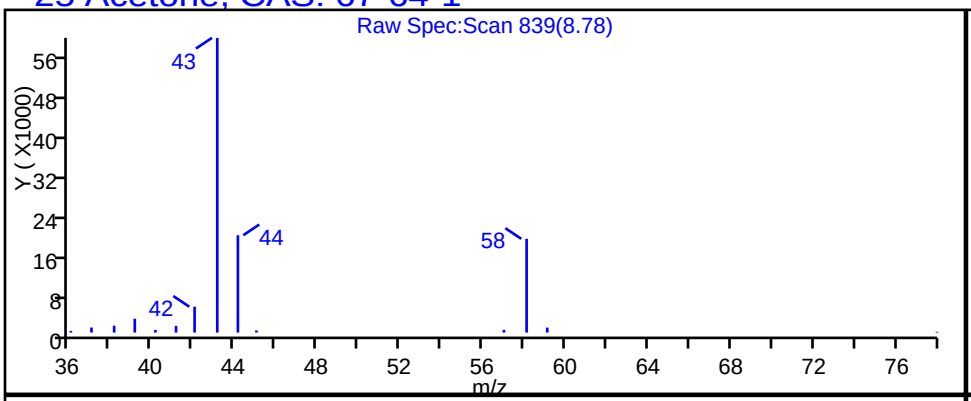
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

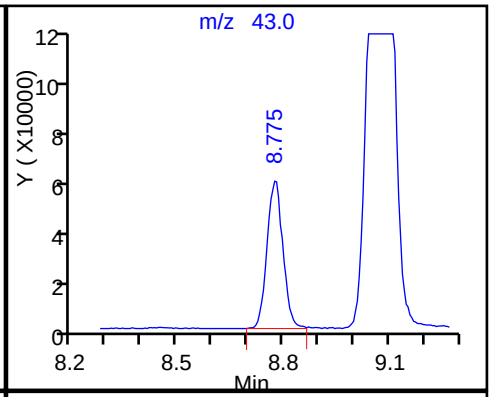
TestAmerica Burlington

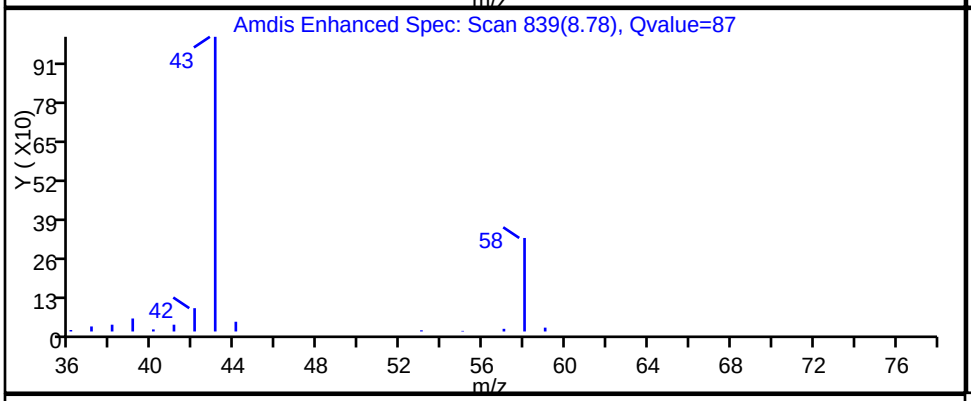
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

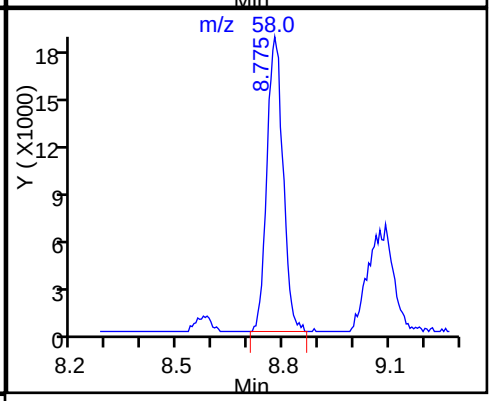
Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

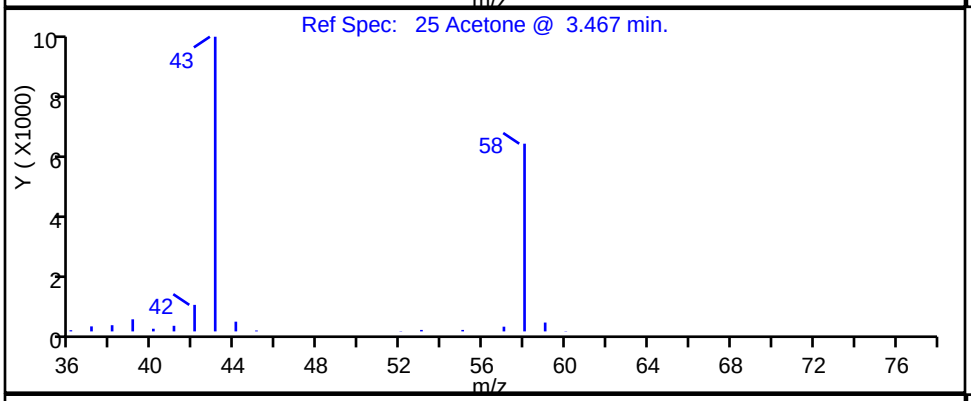
25 Acetone, CAS: 67-64-1

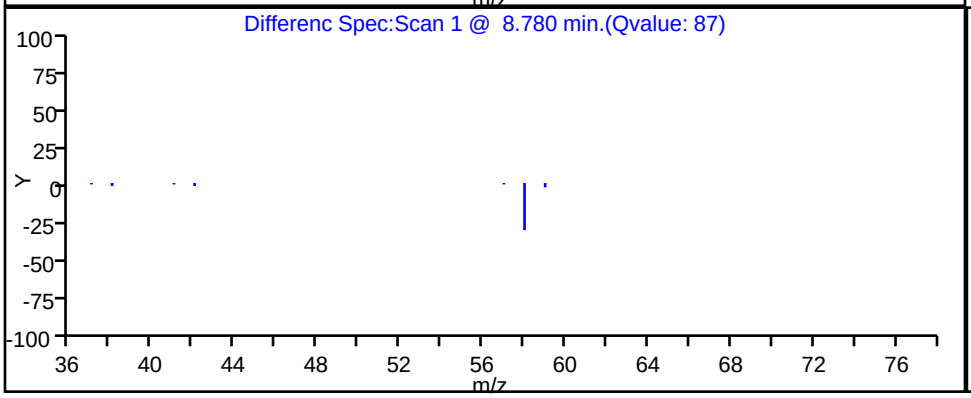


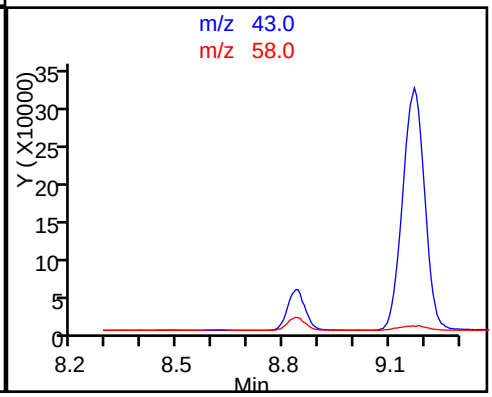












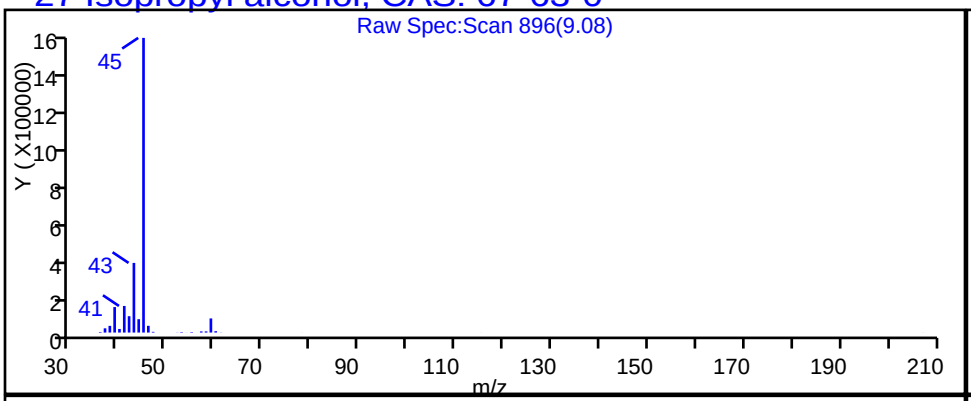
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

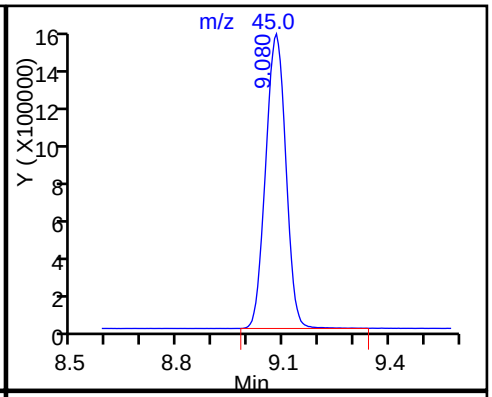
TestAmerica Burlington

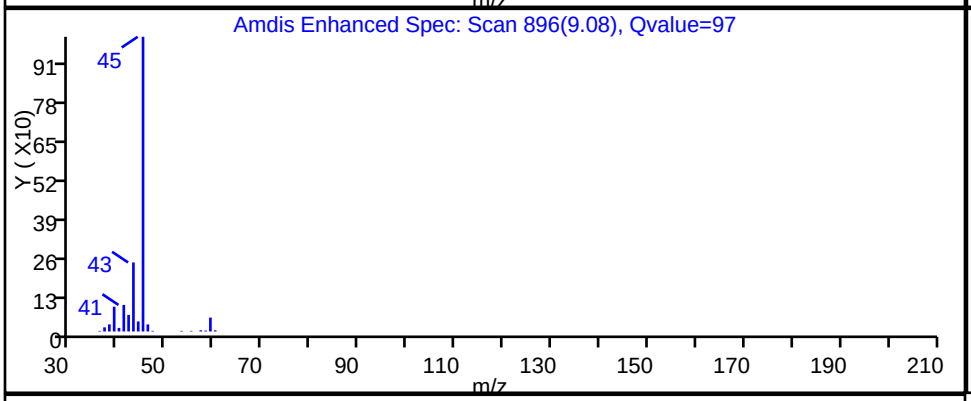
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

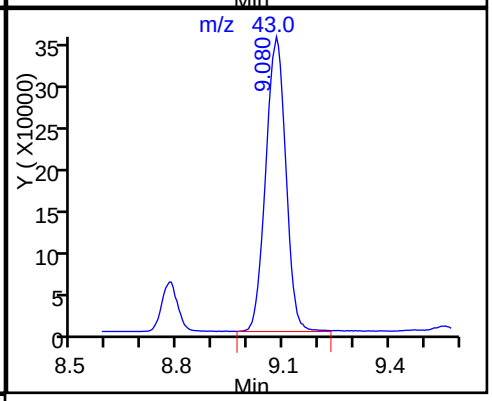
Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

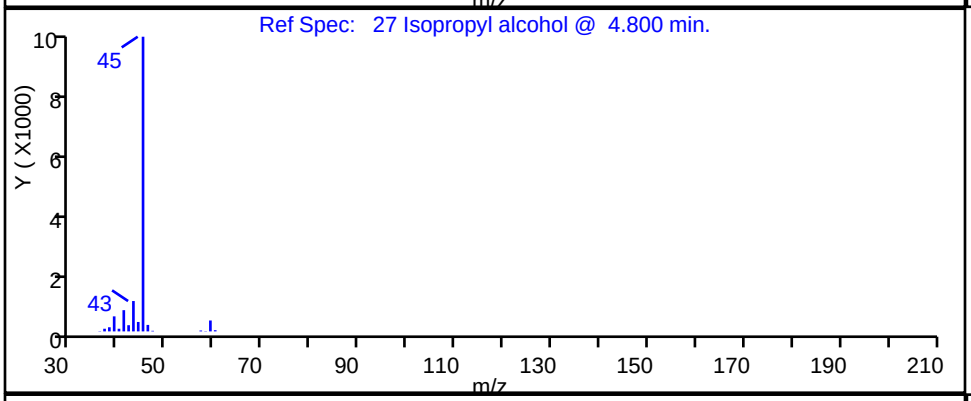
27 Isopropyl alcohol, CAS: 67-63-0

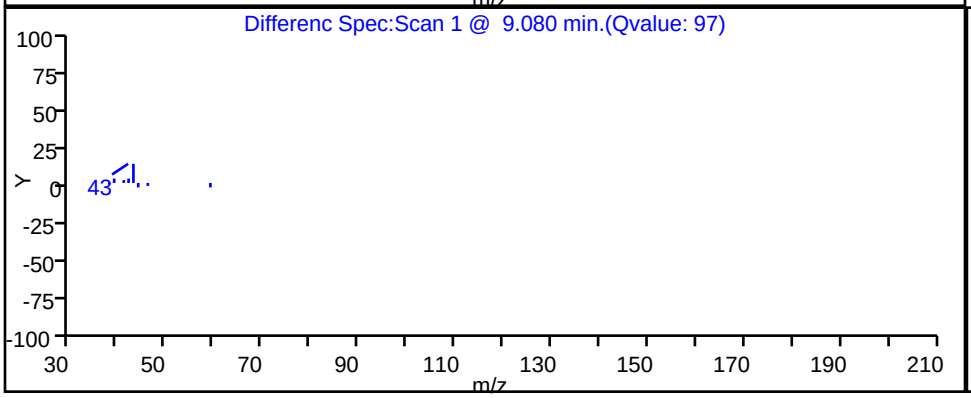


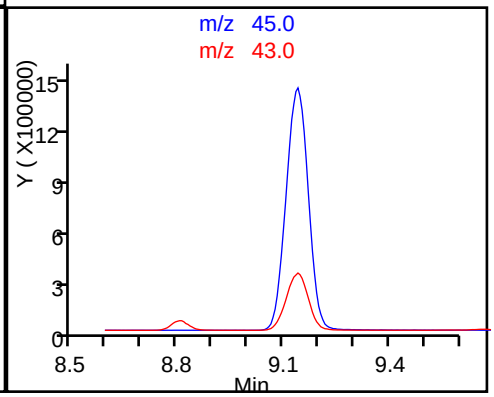












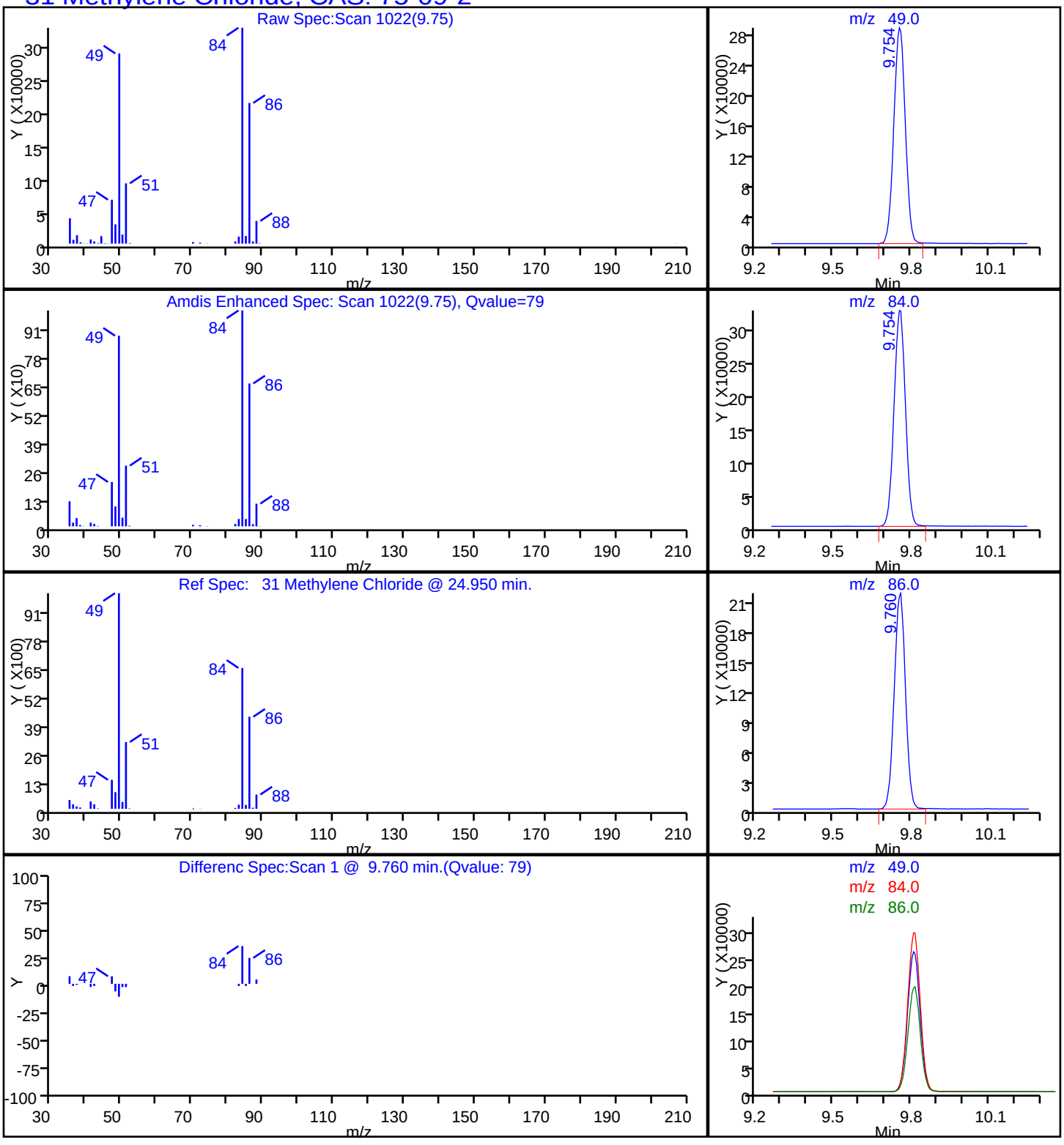
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



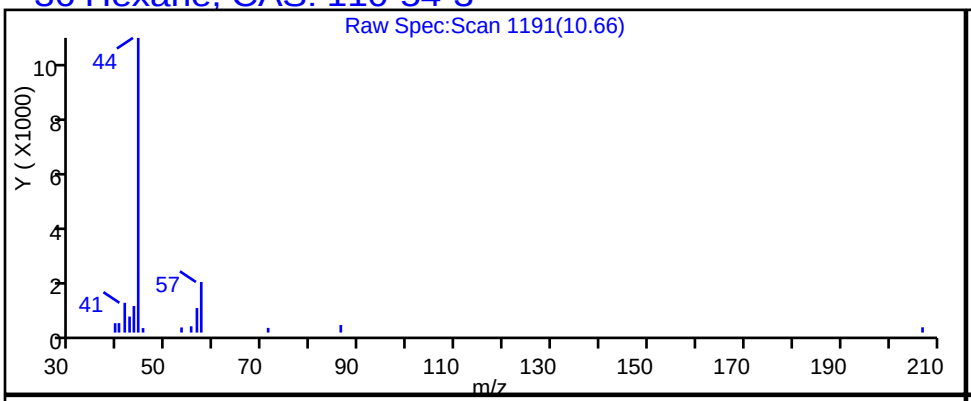
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

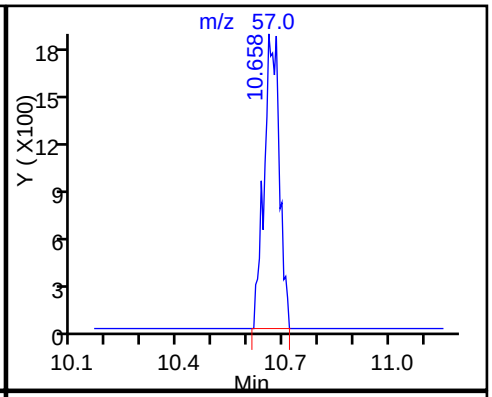
TestAmerica Burlington

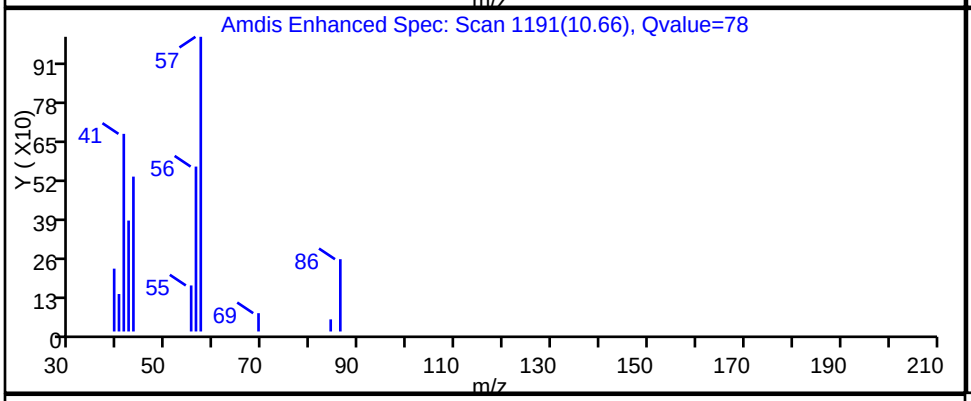
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

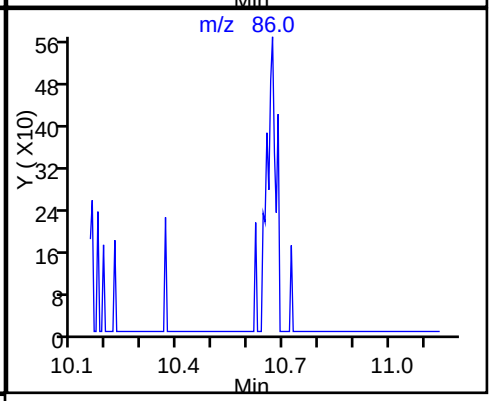
Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

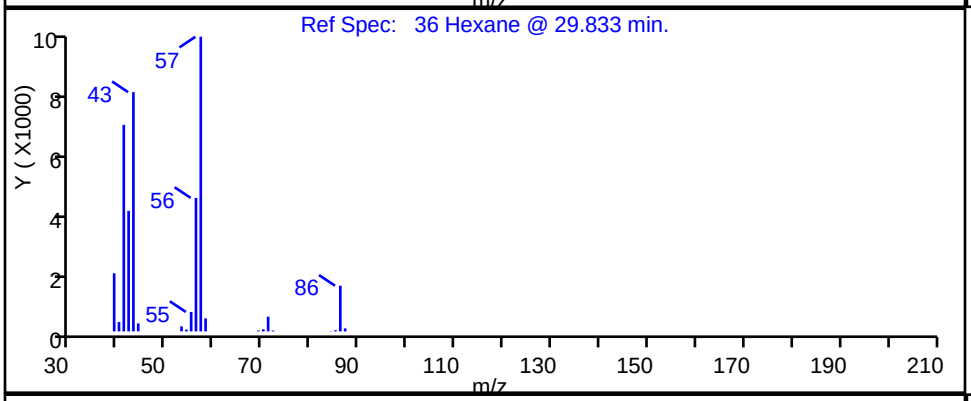
36 Hexane, CAS: 110-54-3

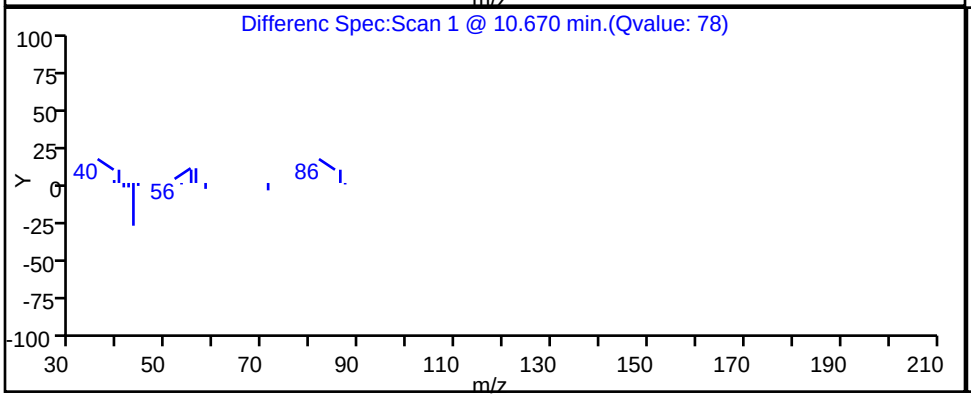


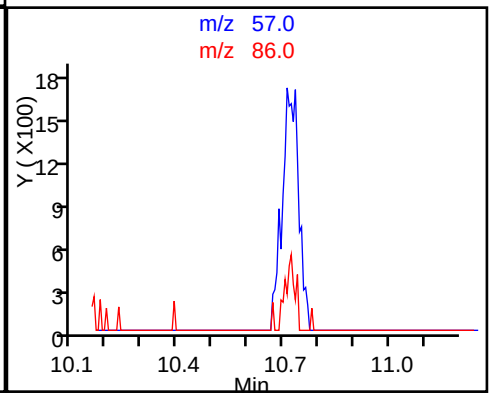












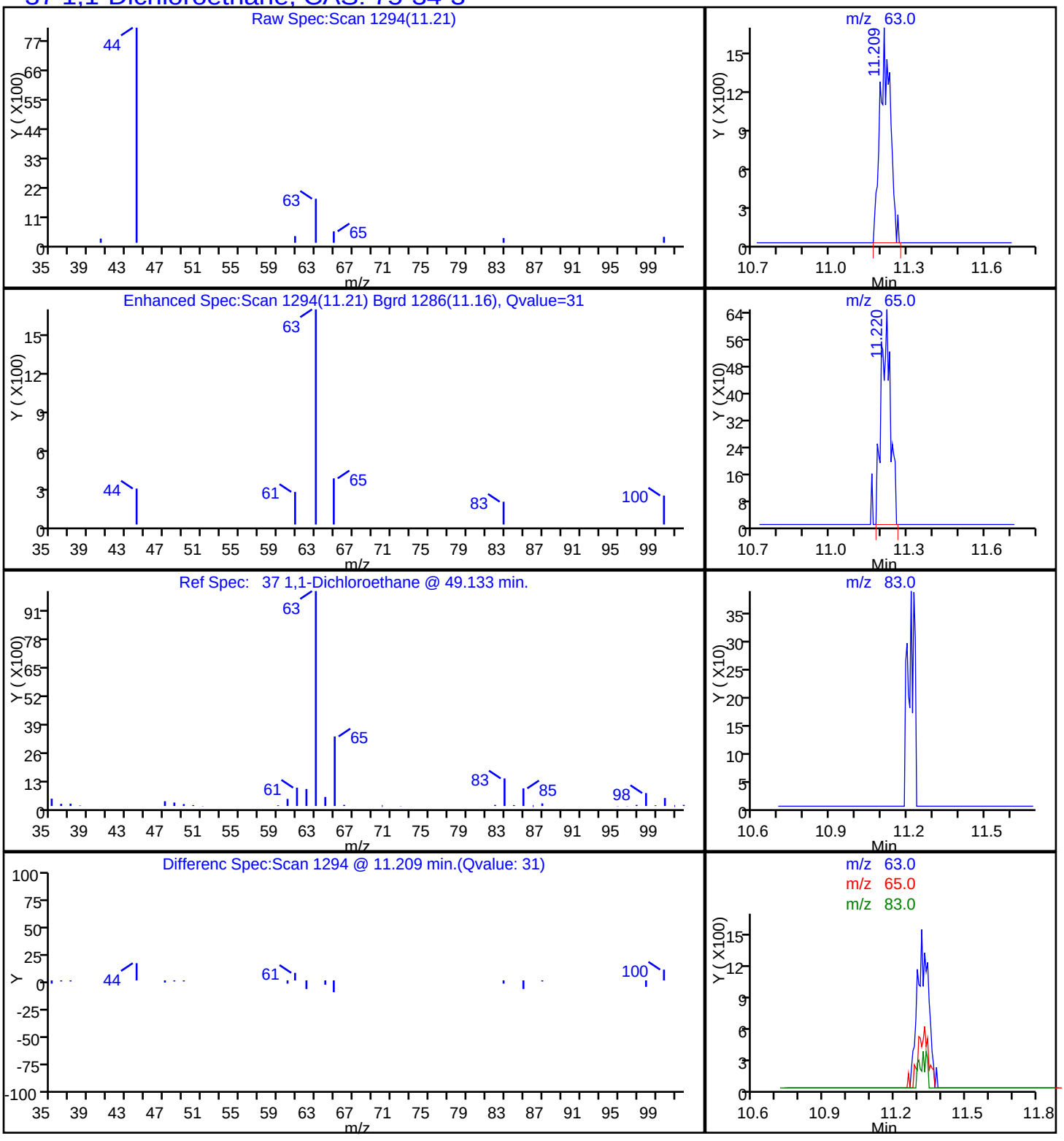
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3



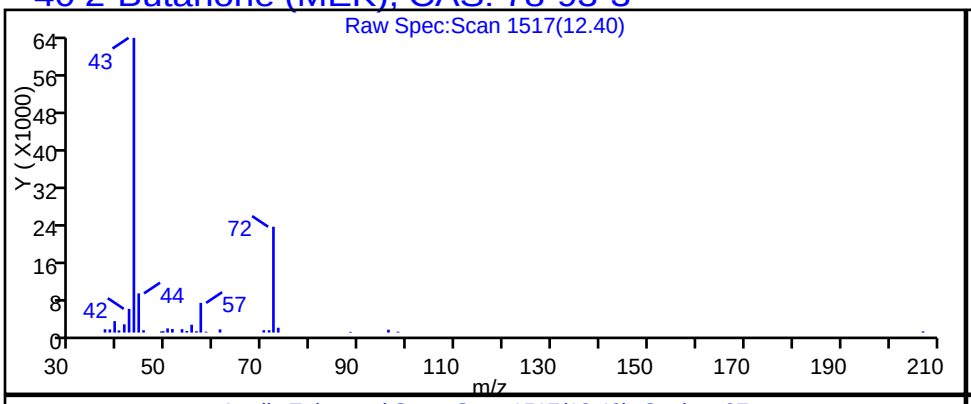
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

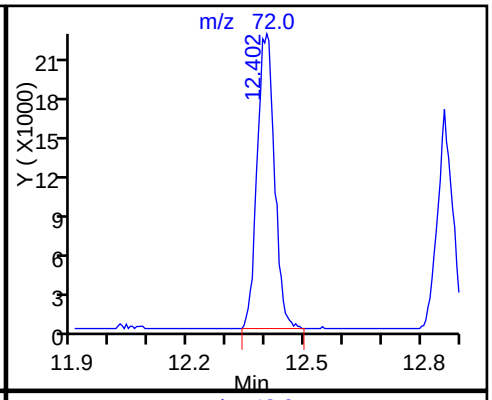
TestAmerica Burlington

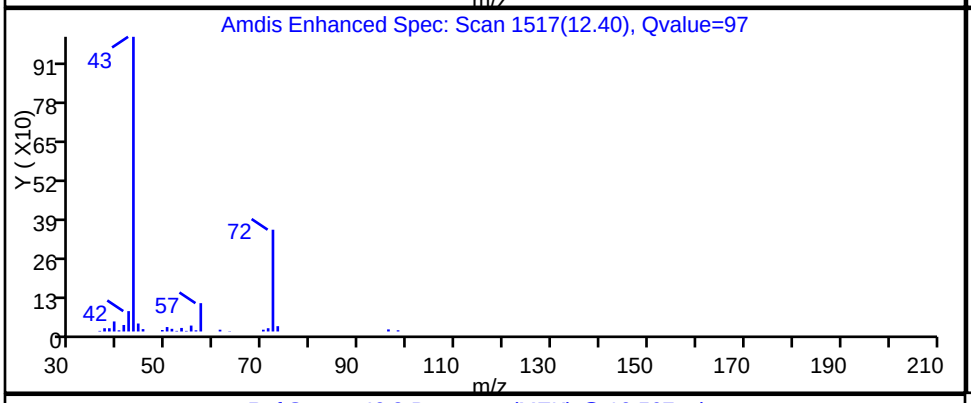
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

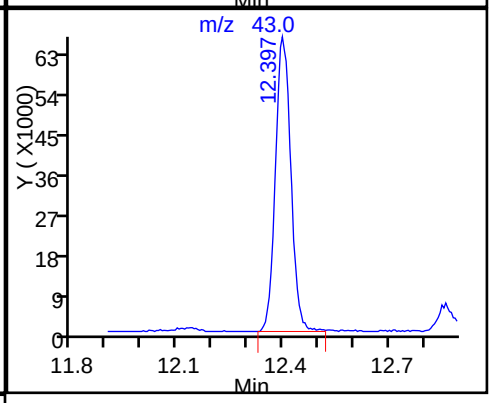
Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

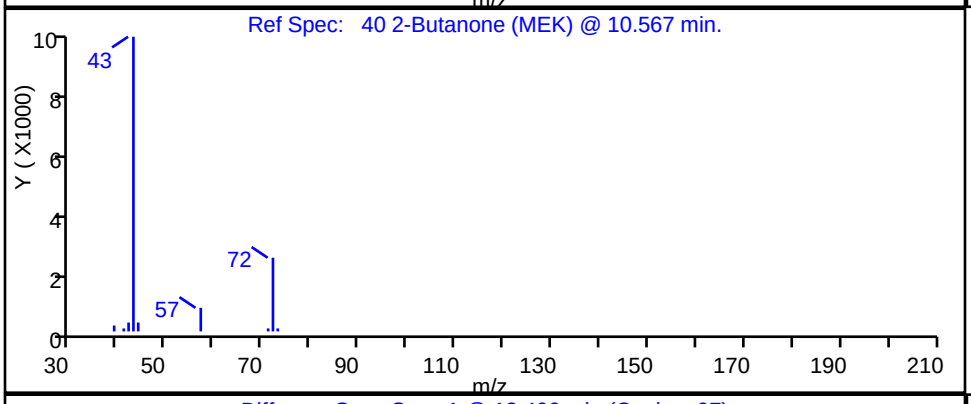
40 2-Butanone (MEK), CAS: 78-93-3

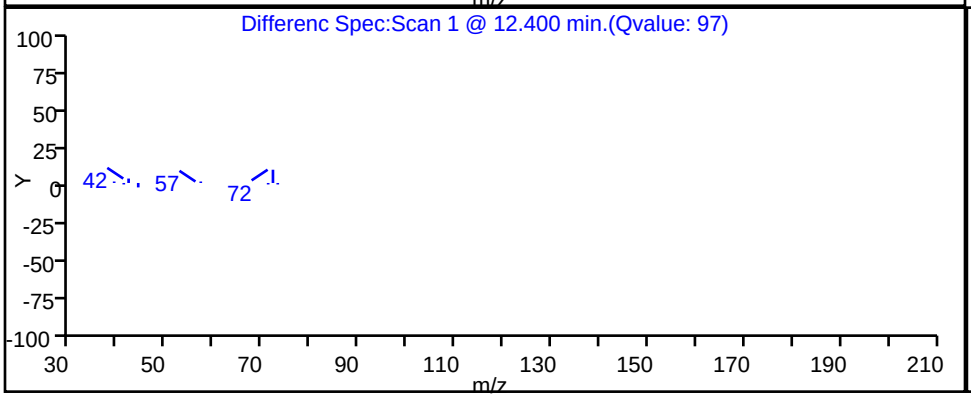


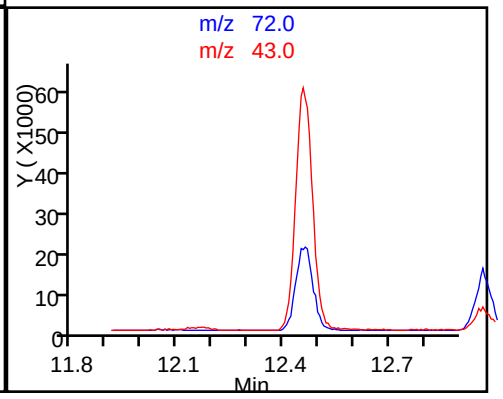












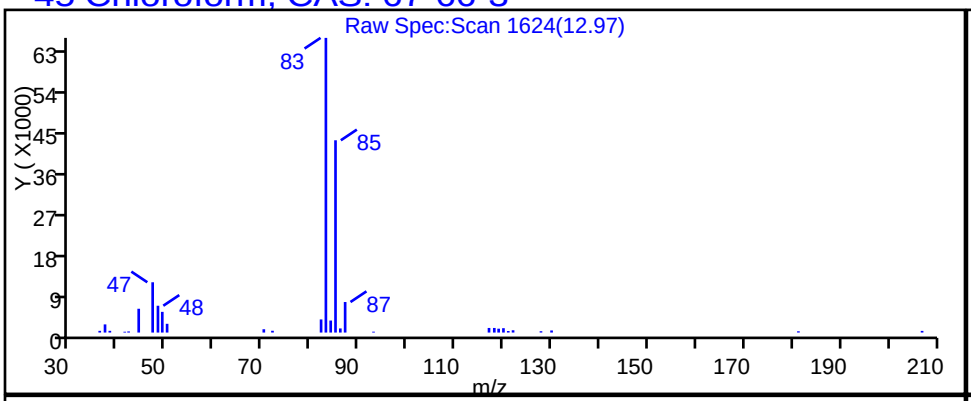
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

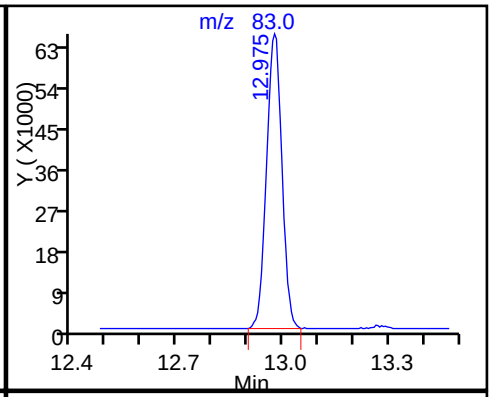
TestAmerica Burlington

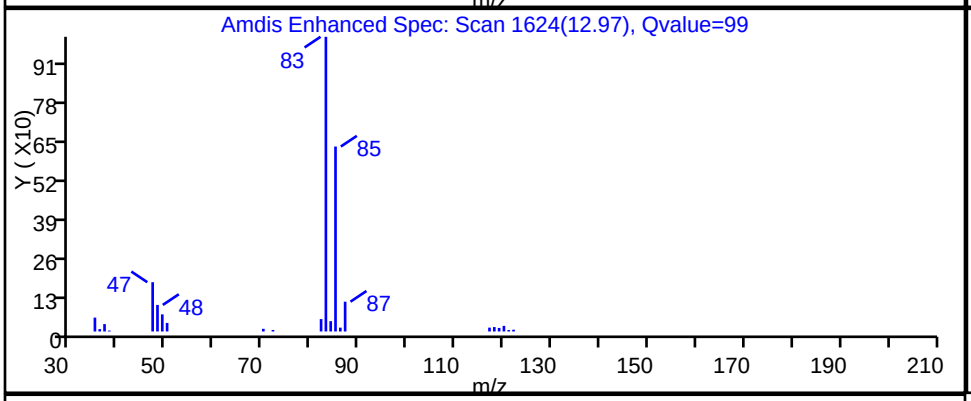
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

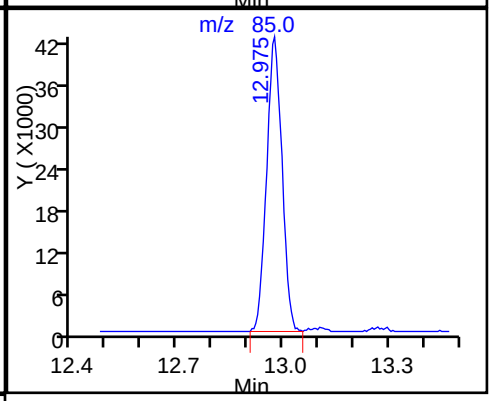
Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

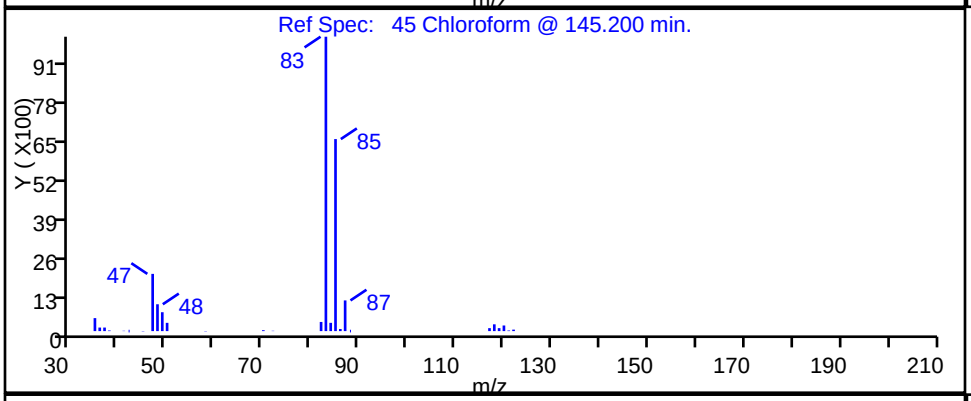
45 Chloroform, CAS: 67-66-3

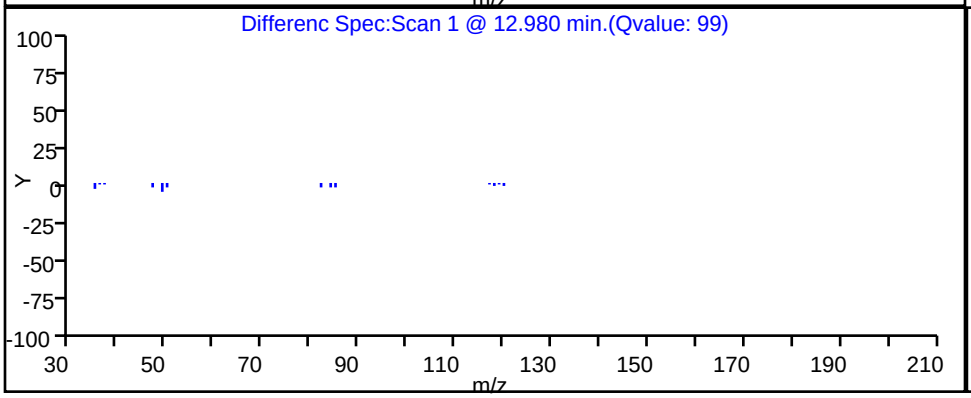


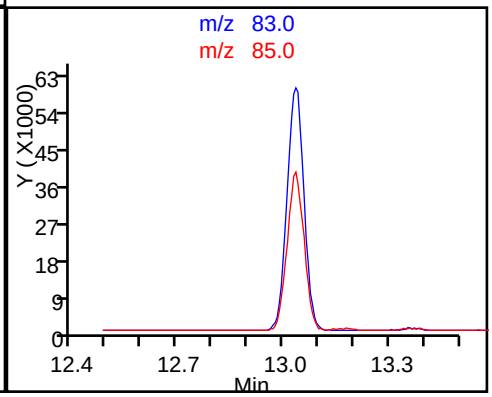












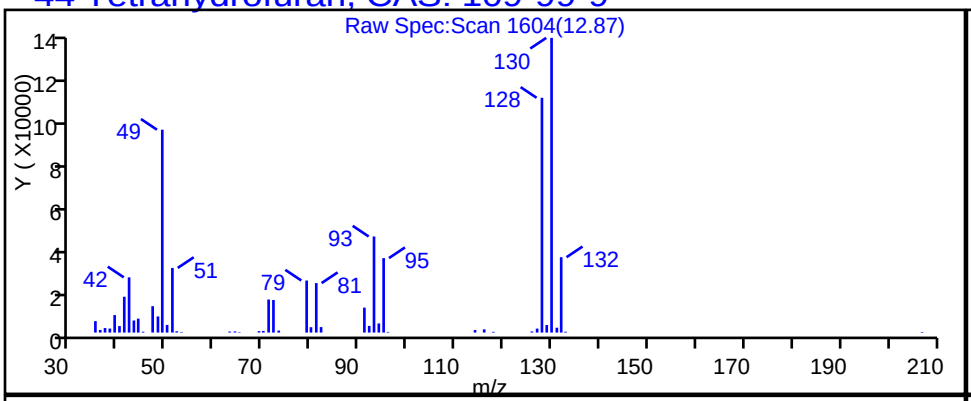
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

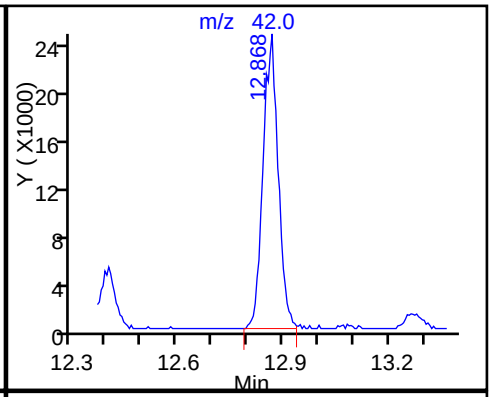
TestAmerica Burlington

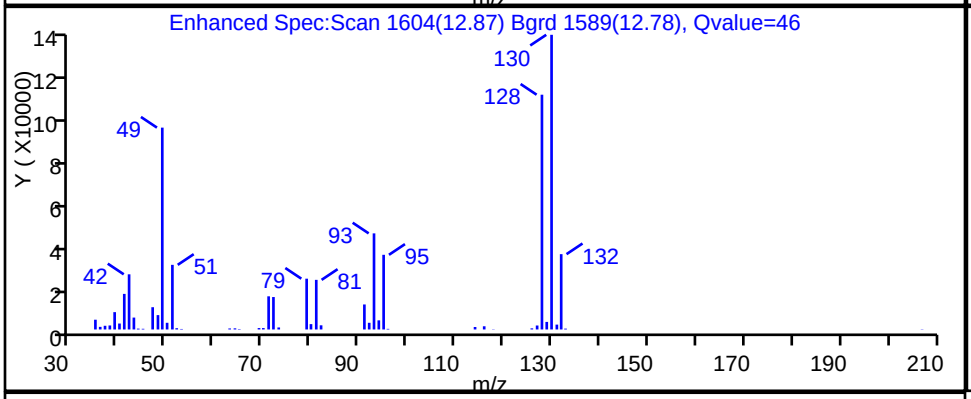
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

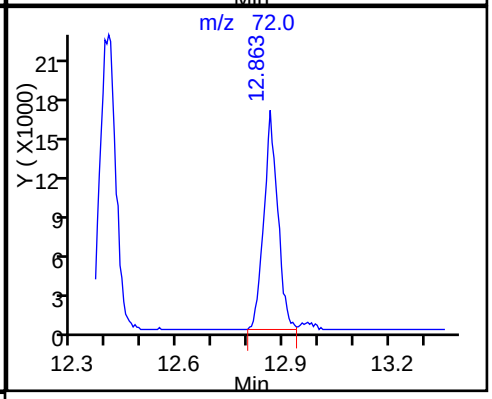
Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

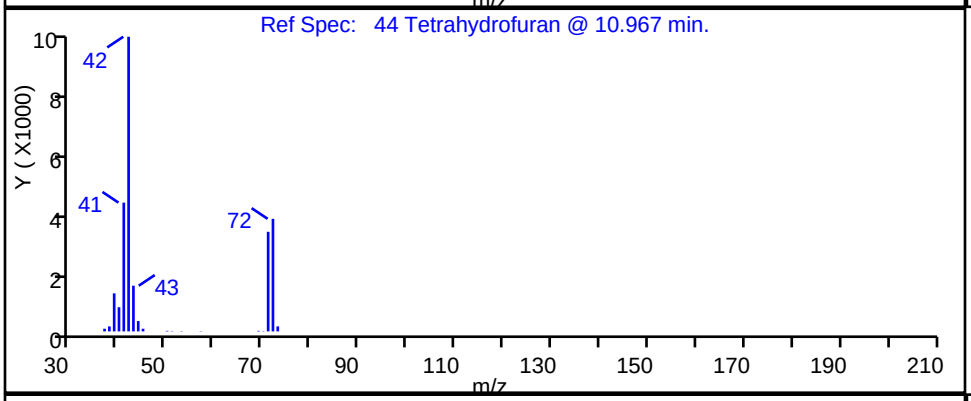
44 Tetrahydrofuran, CAS: 109-99-9

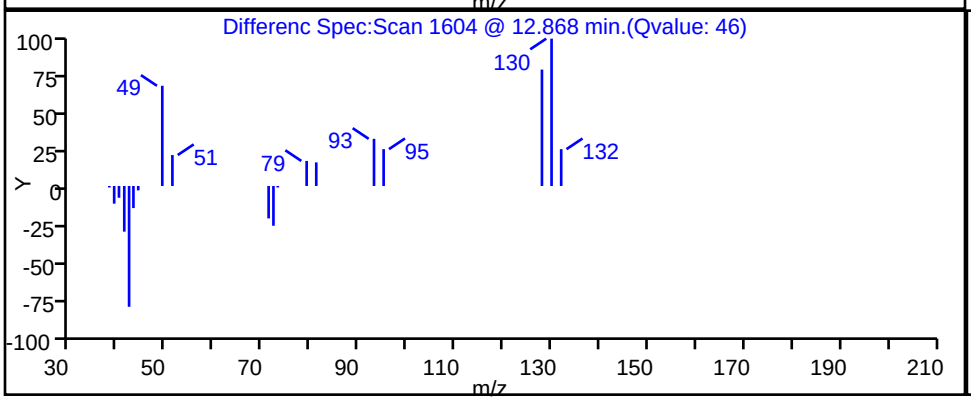


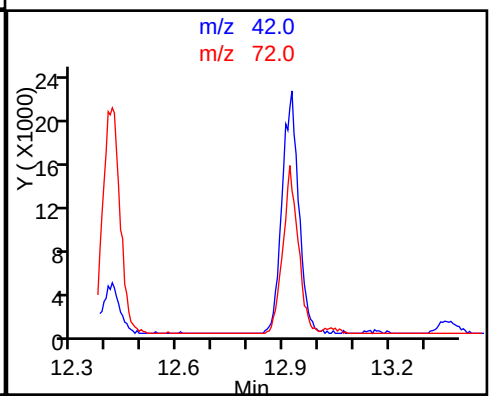












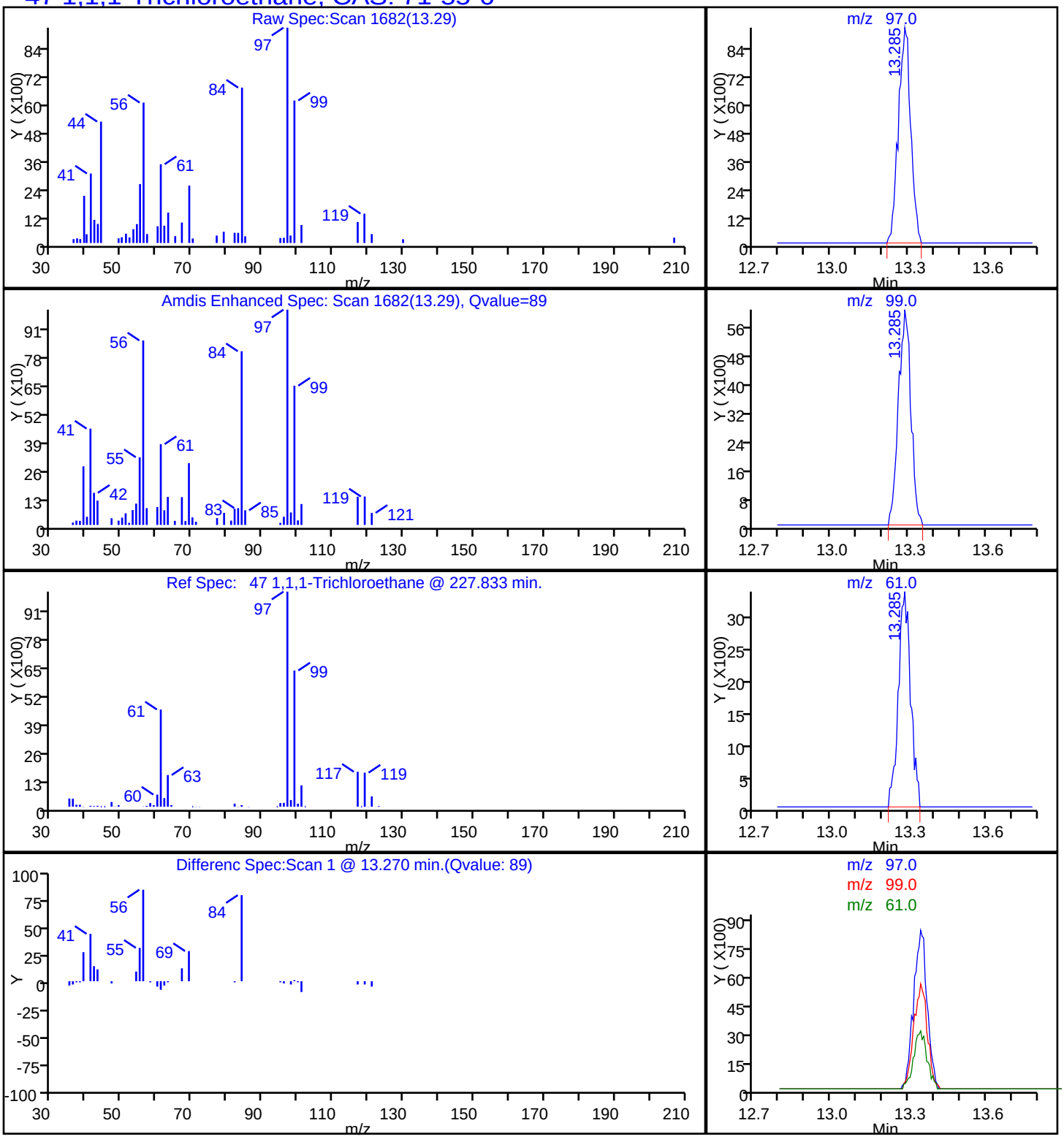
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



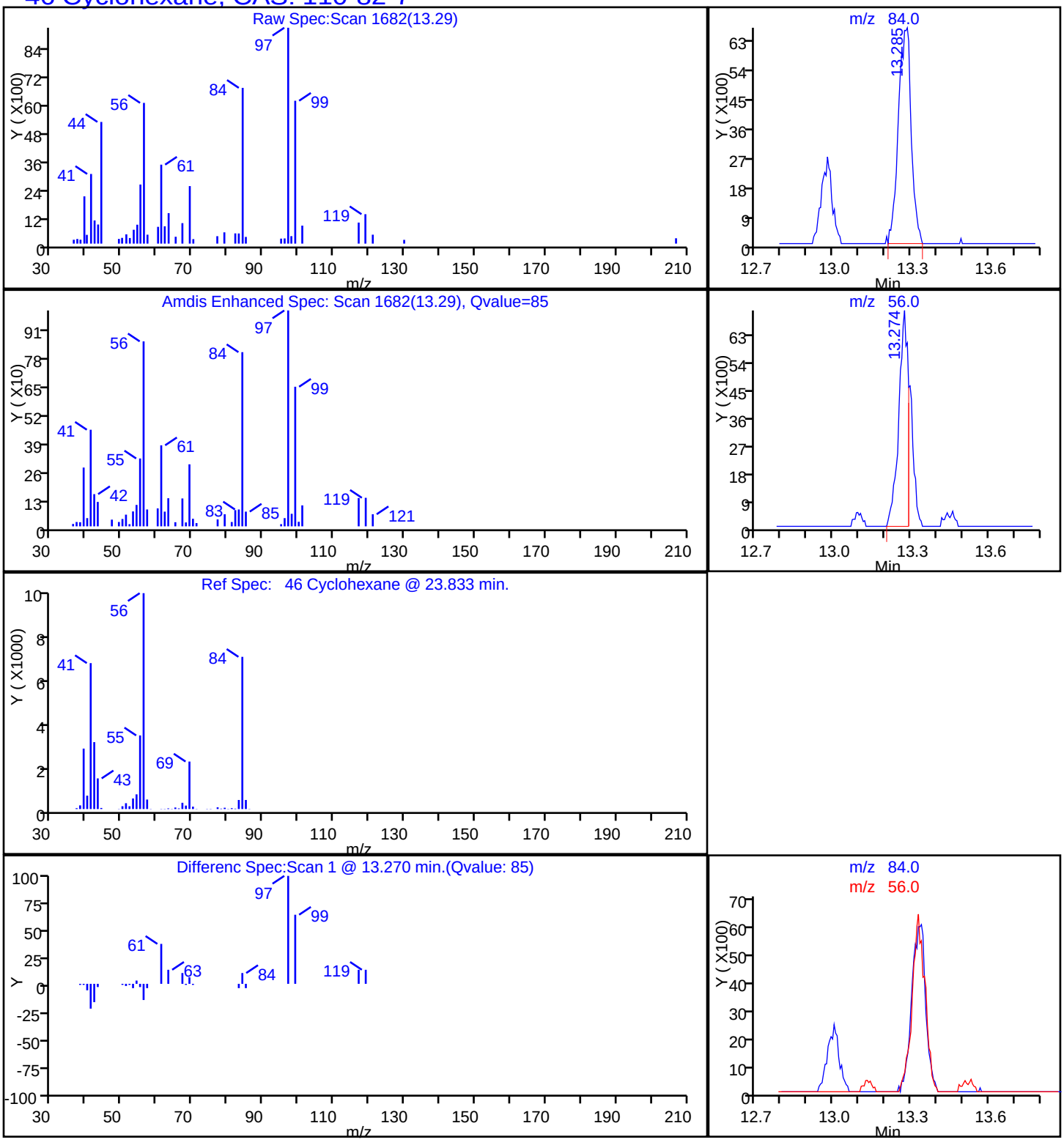
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



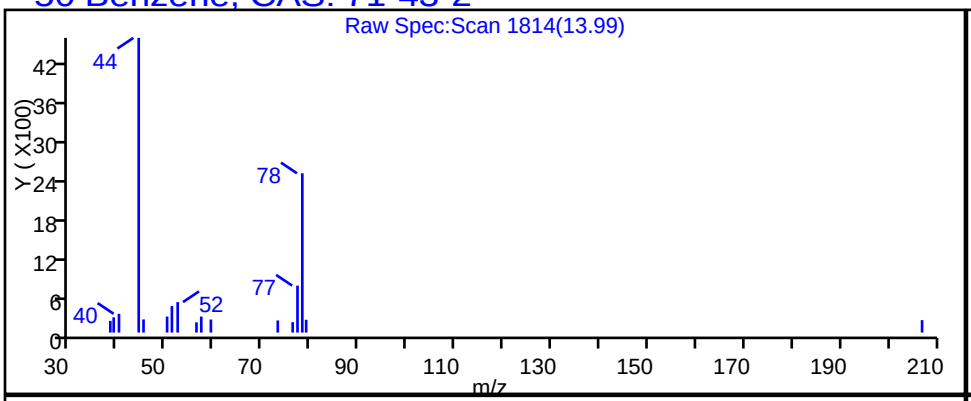
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

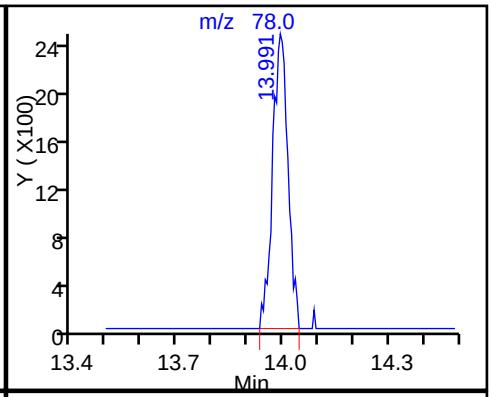
TestAmerica Burlington

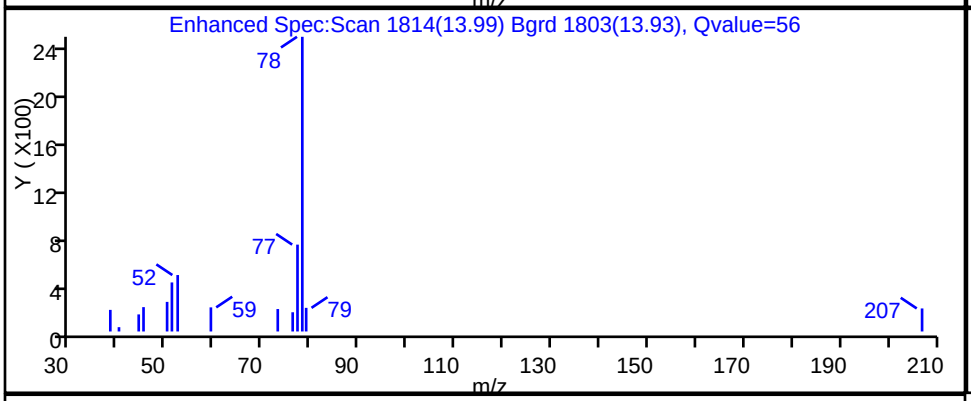
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

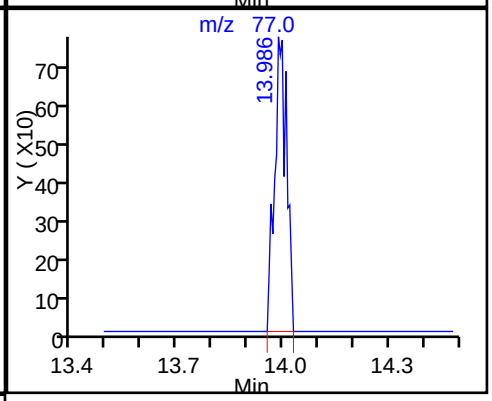
Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

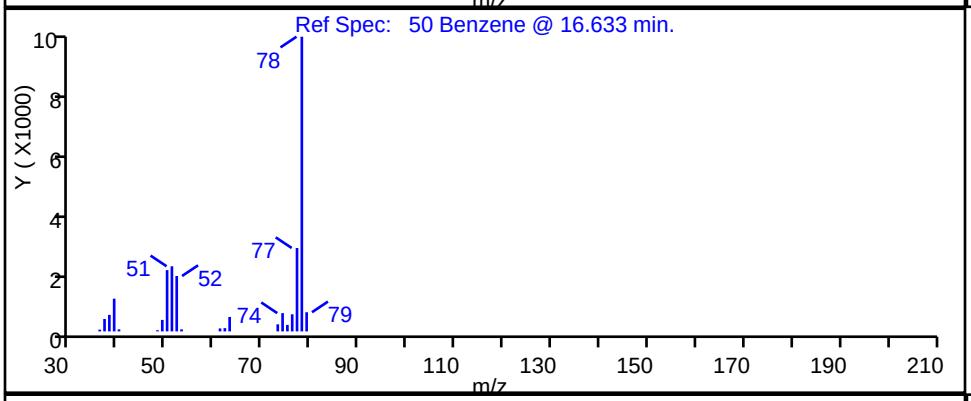
50 Benzene, CAS: 71-43-2

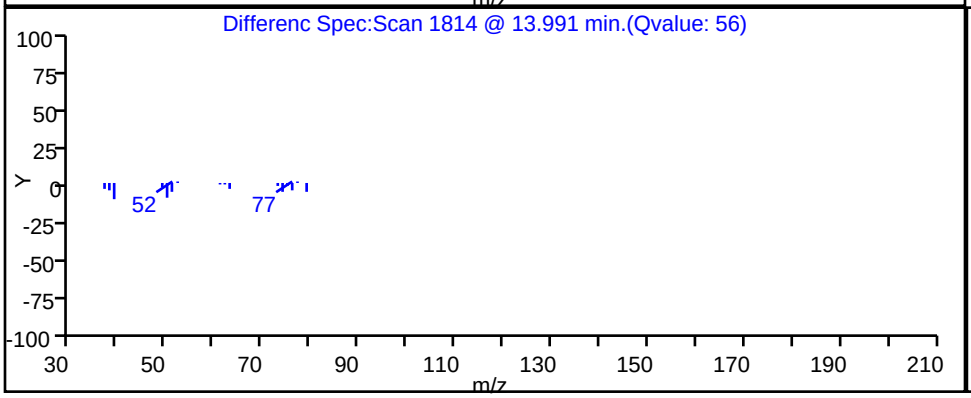


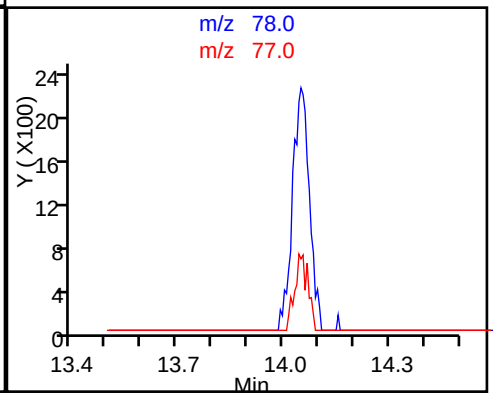












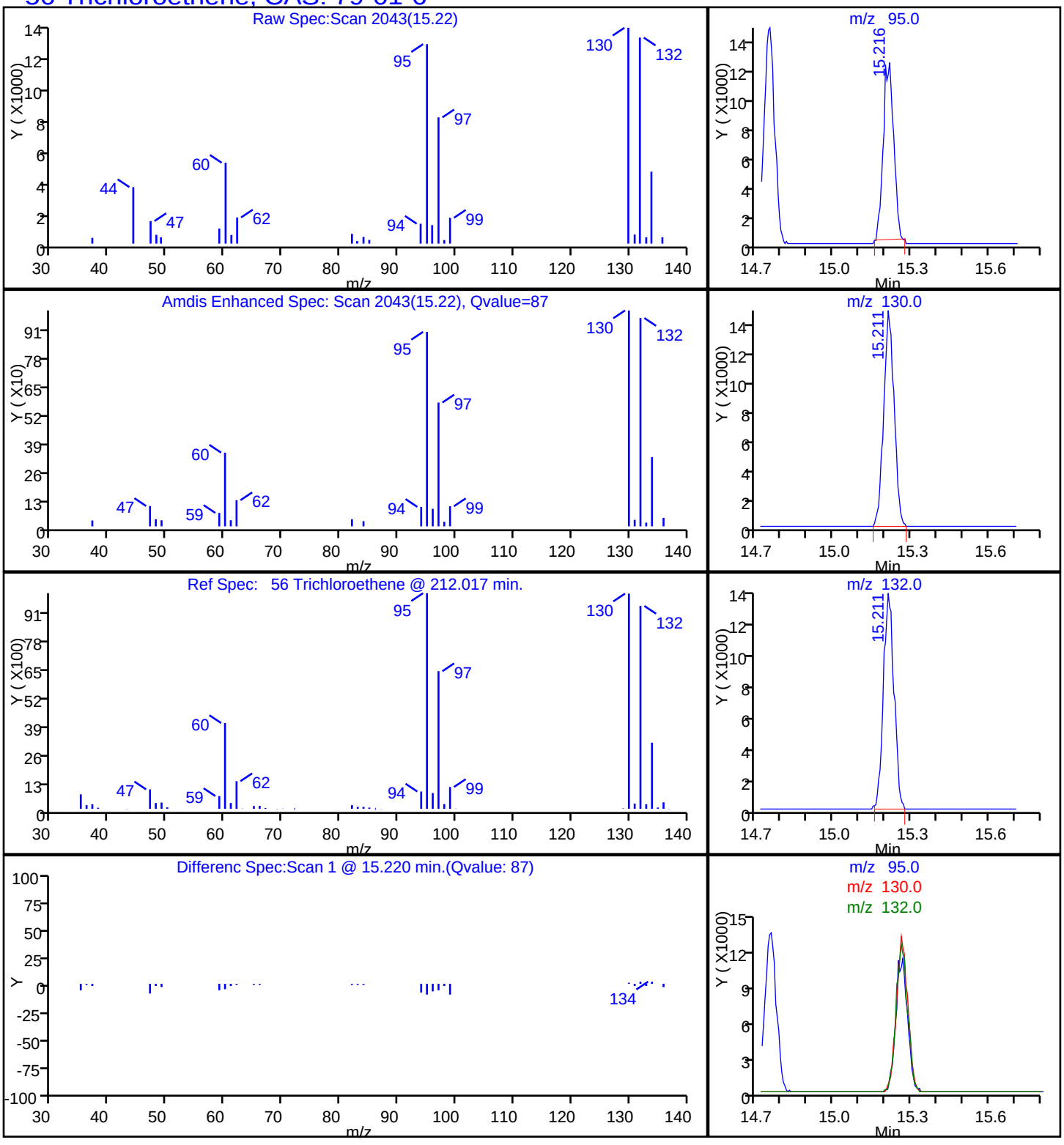
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



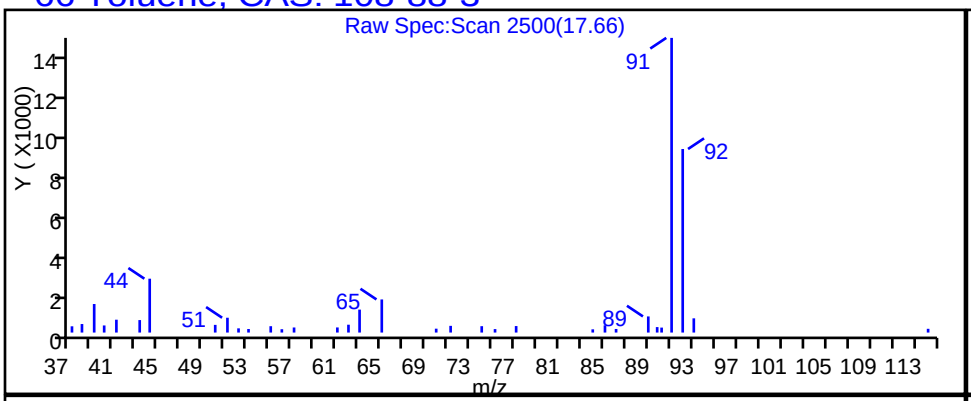
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

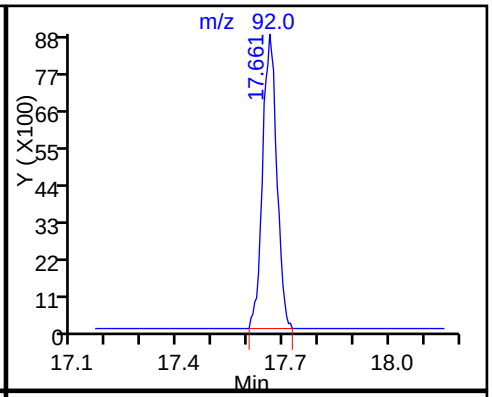
TestAmerica Burlington

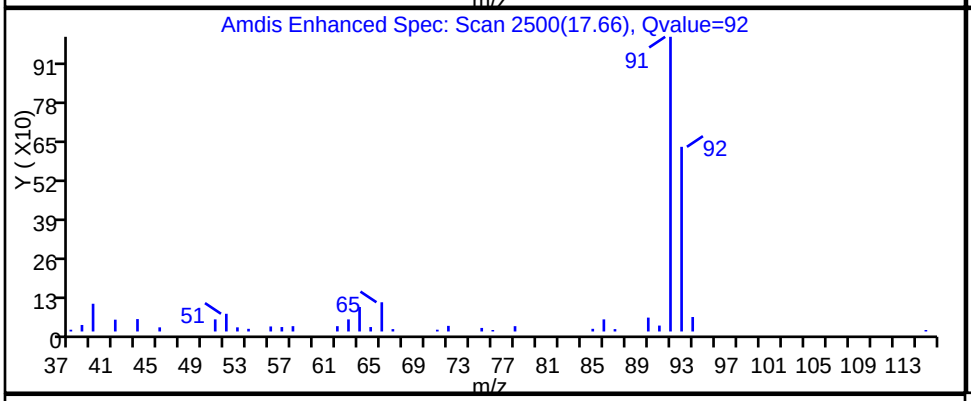
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

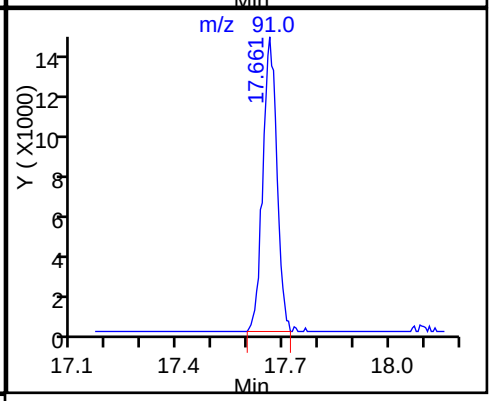
Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

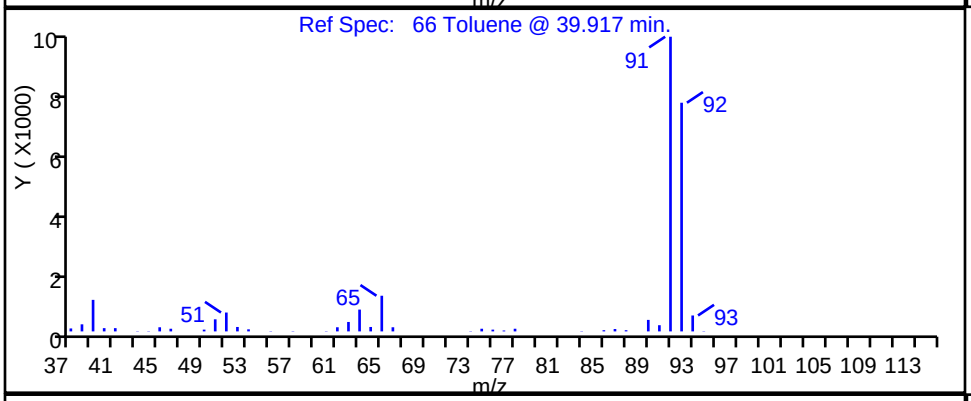
66 Toluene, CAS: 108-88-3

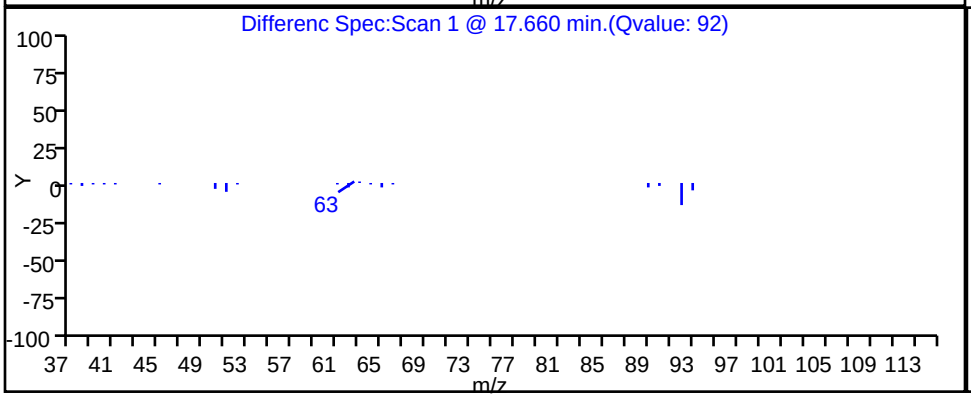


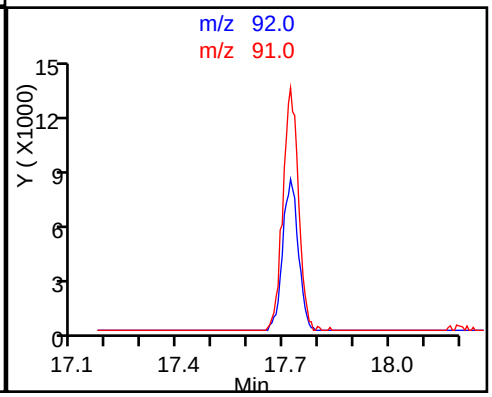












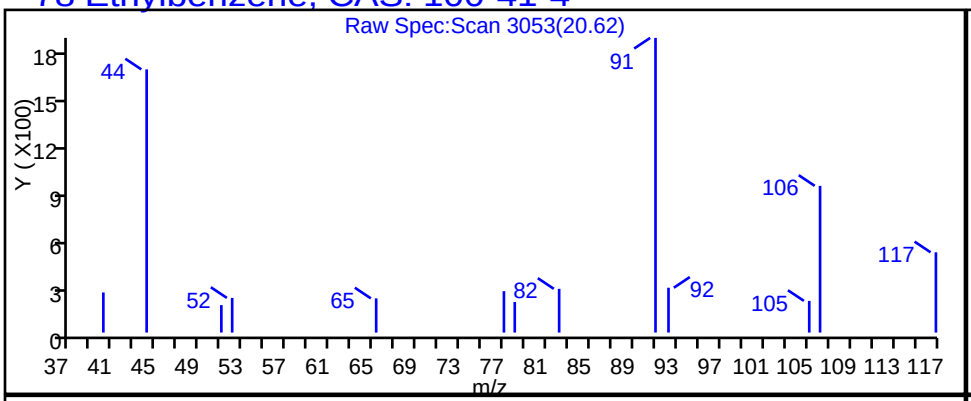
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

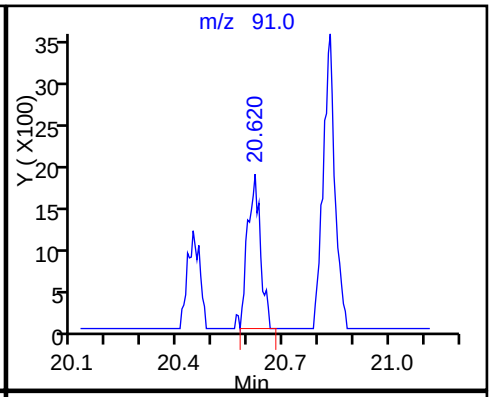
TestAmerica Burlington

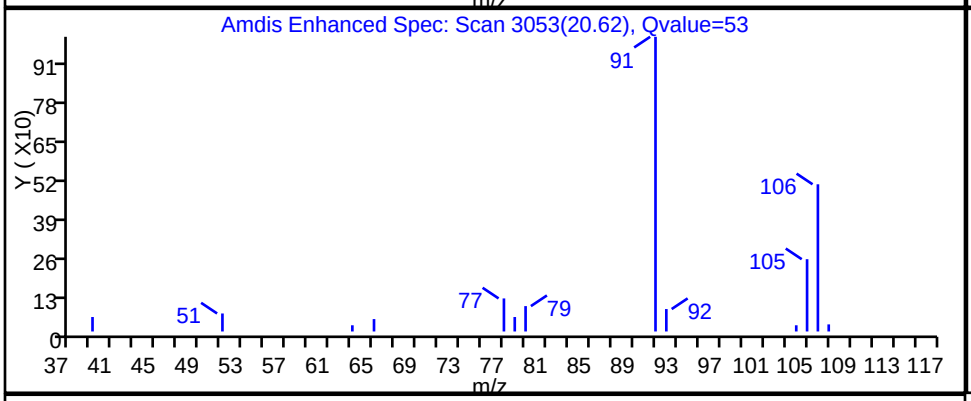
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

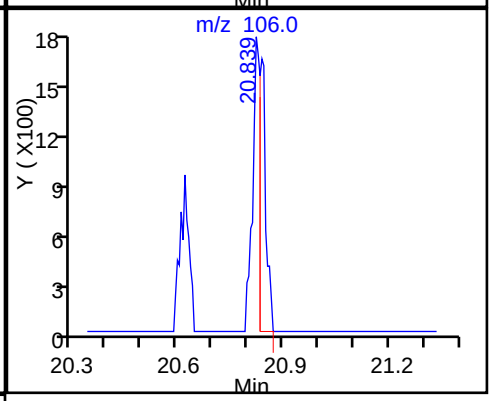
Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

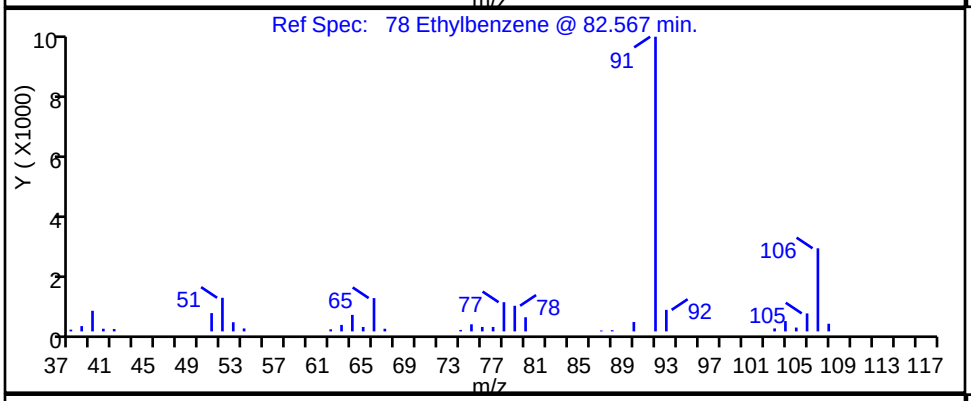
78 Ethylbenzene, CAS: 100-41-4

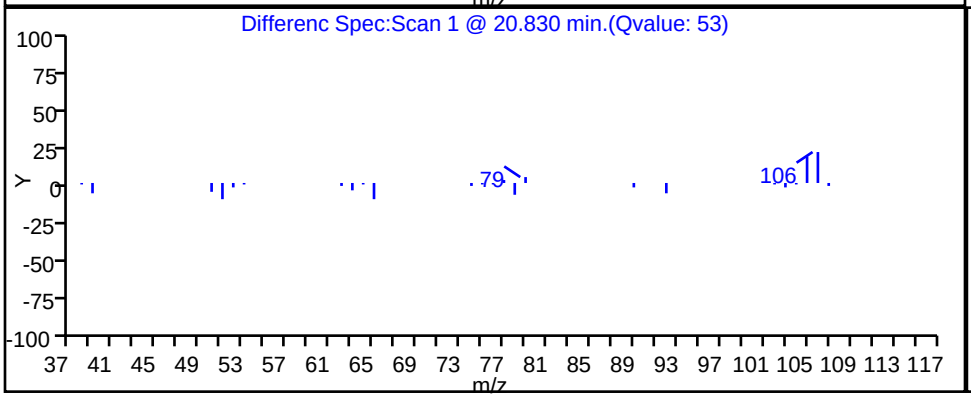


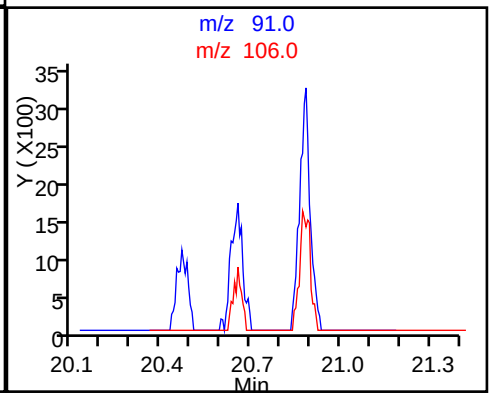












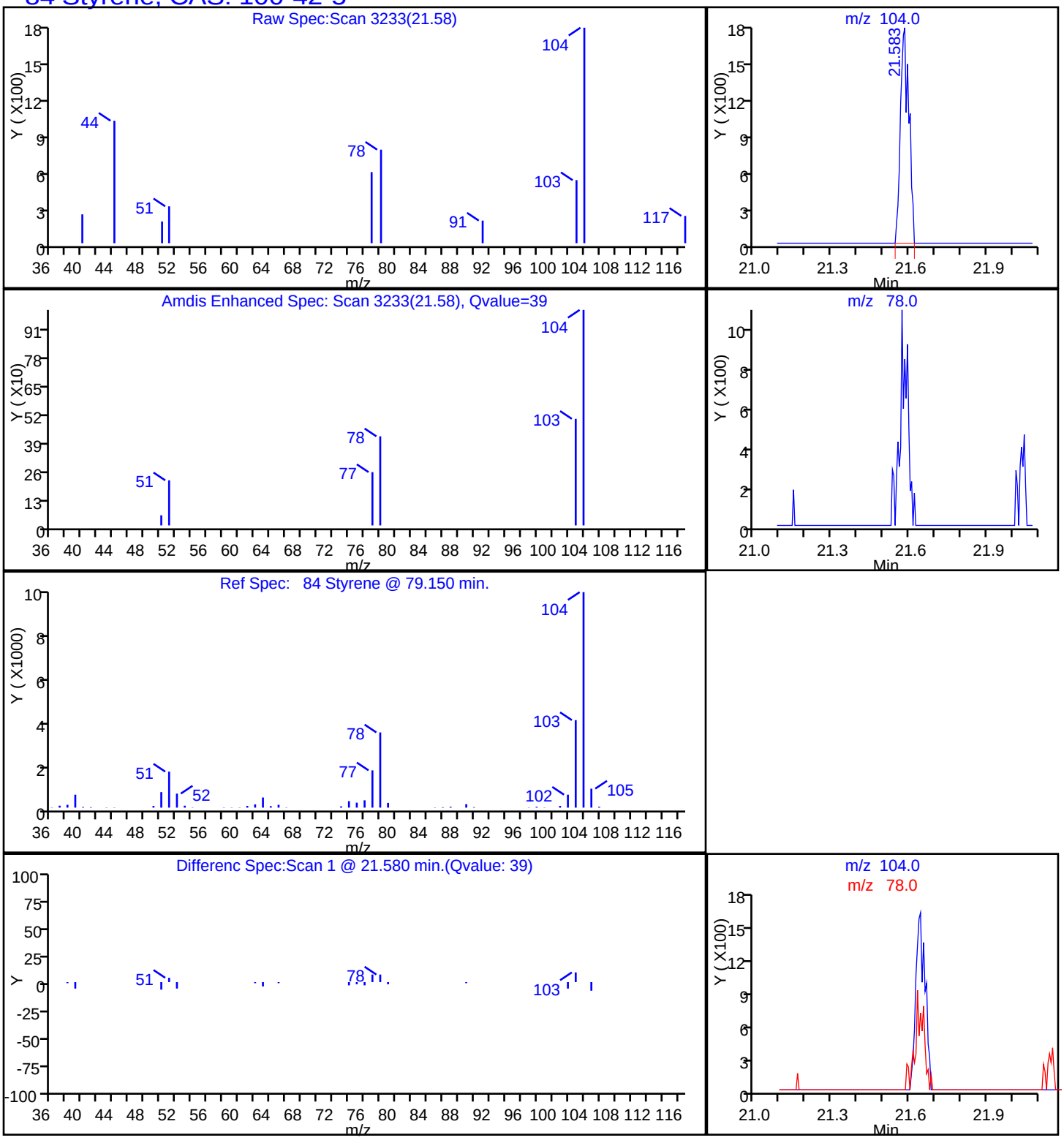
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5



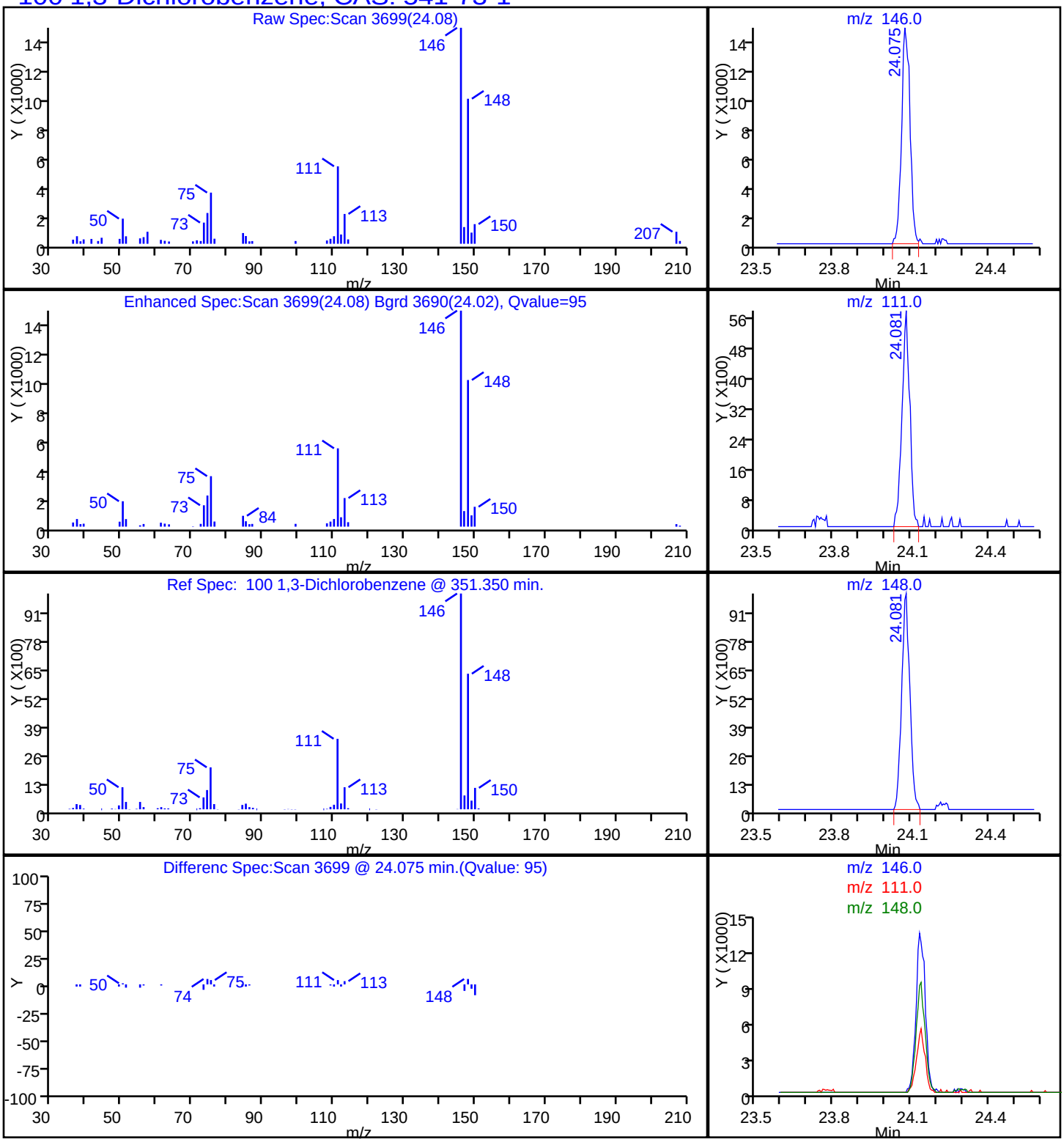
Report Date: 25-Feb-2014 09:48:37 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d

Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



Manual Integration/User Assign Peak Report

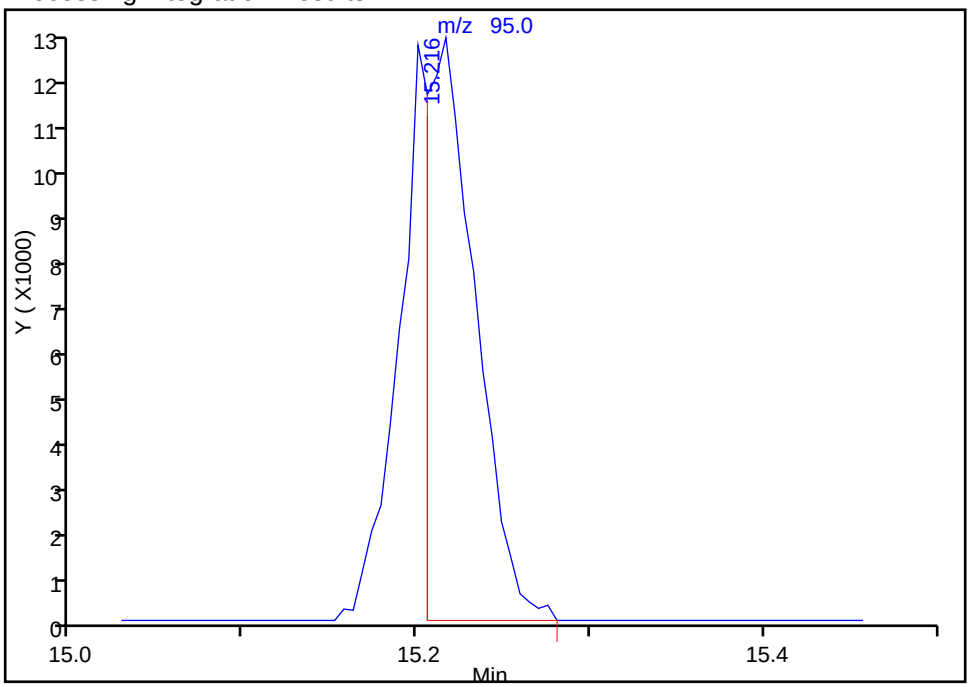
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d				
Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

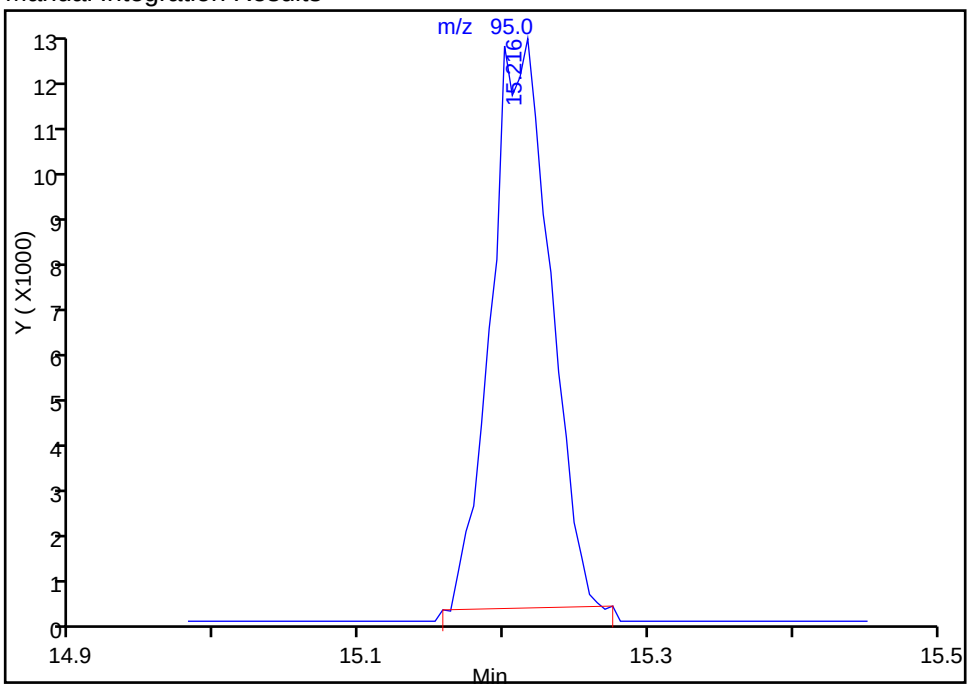
Processing Integration Results

RT: 15.22
Response: 24474
Amount: 0.368937



Manual Integration Results

RT: 15.22
Response: 34008
Amount: 0.512659



Reviewer: lyonsb, 25-Feb-2014 09:43:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

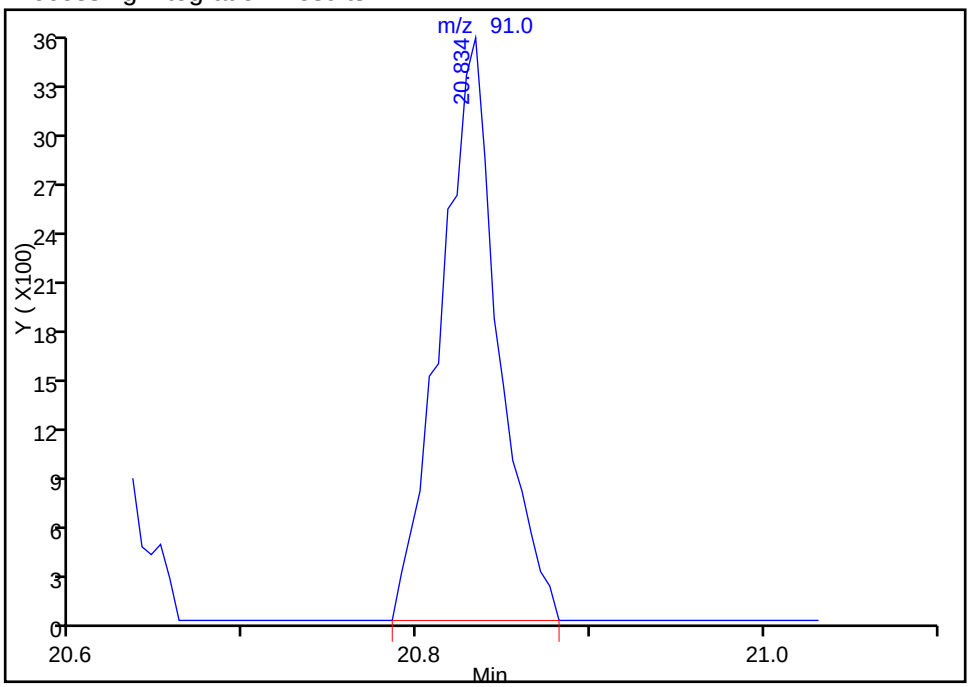
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_016.d				
Injection Date:	25-Feb-2014 00:04:30	Instrument ID:	CHW.i		
Lims ID:	200-20955-A-30	Lab Sample ID:	200-20955-30		
Client ID:	SS-DUP-021214				
Operator ID:	bl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	7.4800		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4

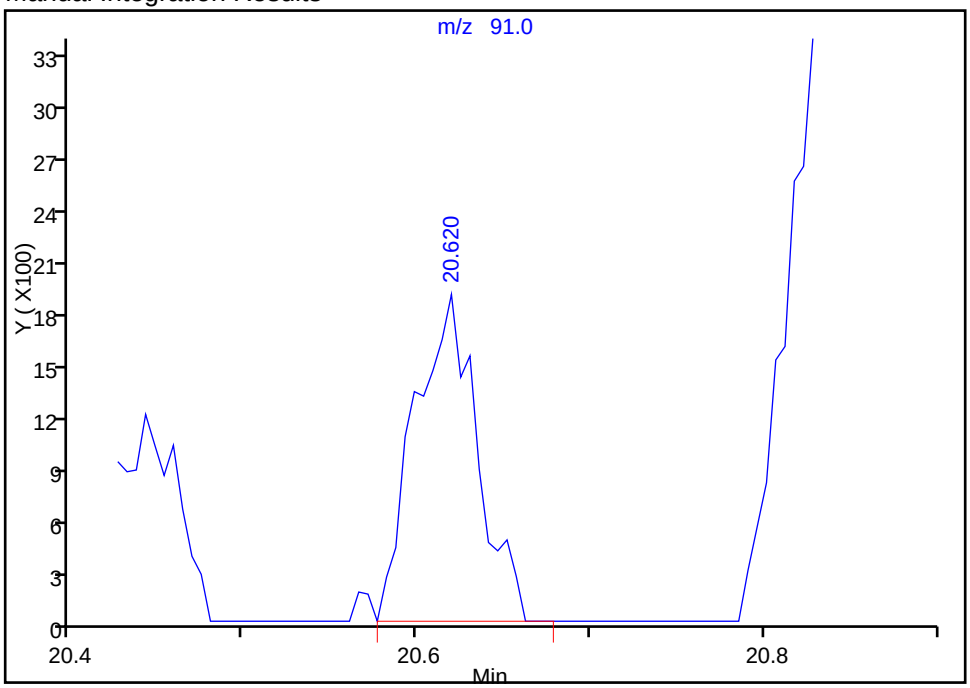
Processing Integration Results

RT: 20.83
Response: 8278
Amount: 0.035213



Manual Integration Results

RT: 20.62
Response: 4714
Amount: 0.020052



Reviewer: lyonsb, 25-Feb-2014 09:43:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7B Lab Sample ID: 200-20969-1

Matrix: Air Lab File ID: 6282_020.d

Analysis Method: TO-15 Date Collected: 02/13/2014 16:58

Sample wt/vol: 35(mL) Date Analyzed: 02/25/2014 03:22

Soil Aliquot Vol: Dilution Factor: 23.8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	12	U	12	0.71
75-45-6	Freon 22	86.47	12	U	12	1.1
76-14-2	Freon-114	170.92	4.8	U	4.8	0.83
74-87-3	Chloromethane	50.49	12	U	12	3.2
106-97-8	n-Butane	58.12	12	U	12	6.7
75-01-4	Vinyl chloride	62.50	0.95	U	0.95	0.90
106-99-0	1,3-Butadiene	54.09	4.8	U	4.8	1.0
74-83-9	Bromomethane	94.94	4.8	U	4.8	0.67
75-00-3	Chloroethane	64.52	12	U	12	0.71
593-60-2	Vinyl bromide	106.96	4.8	U	4.8	0.71
75-69-4	Freon 11	137.37	4.8	U	4.8	0.71
76-13-1	Freon 113	187.38	4.8	U	4.8	0.43
75-35-4	1,1-Dichloroethene	96.94	4.8	U	4.8	0.57
67-64-1	Acetone	58.08	120	U	120	30
67-63-0	Isopropyl alcohol	60.10	460		120	5.1
75-15-0	Carbon disulfide	76.14	12	U	12	1.6
107-05-1	Allyl chloride	76.53	12	U	12	0.81
75-09-2	Methylene Chloride	84.93	58		12	3.0
75-65-0	tert-Butyl alcohol	74.12	120	U	120	7.8
1634-04-4	Methyl tert-butyl ether	88.15	4.8	U	4.8	0.52
156-60-5	trans-1,2-Dichloroethene	96.94	4.8	U	4.8	0.69
110-54-3	Hexane	86.17	4.8	U	4.8	0.81
75-34-3	1,1-Dichloroethane	98.96	4.8	U	4.8	0.90
78-93-3	Methyl Ethyl Ketone	72.11	12	U	12	5.8
156-59-2	cis-1,2-Dichloroethene	96.94	4.8	U	4.8	0.90
540-59-0	1,2-Dichloroethene, Total	96.94	4.8	U	4.8	1.5
67-66-3	Chloroform	119.38	2.5	J	4.8	0.60
109-99-9	Tetrahydrofuran	72.11	120	U	120	1.1
71-55-6	1,1,1-Trichloroethane	133.41	4.8	U	4.8	0.50
110-82-7	Cyclohexane	84.16	4.8	U	4.8	0.60
56-23-5	Carbon tetrachloride	153.81	0.95	U	0.95	0.50
540-84-1	2,2,4-Trimethylpentane	114.23	4.8	U	4.8	0.64
71-43-2	Benzene	78.11	4.8	U	4.8	0.45
107-06-2	1,2-Dichloroethane	98.96	4.8	U	4.8	0.40
142-82-5	Heptane	100.21	4.8	U	4.8	1.1

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7B Lab Sample ID: 200-20969-1

Matrix: Air Lab File ID: 6282_020.d

Analysis Method: TO-15 Date Collected: 02/13/2014 16:58

Sample wt/vol: 35(mL) Date Analyzed: 02/25/2014 03:22

Soil Aliquot Vol: Dilution Factor: 23.8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.95	U	0.95	0.57
80-62-6	Methyl methacrylate	100.12	12	U	12	0.71
78-87-5	1,2-Dichloropropane	112.99	4.8	U	4.8	0.76
123-91-1	1,4-Dioxane	88.11	120	U	120	4.8
75-27-4	Bromodichloromethane	163.83	4.8	U	4.8	0.40
10061-01-5	cis-1,3-Dichloropropene	110.97	4.8	U	4.8	0.67
108-10-1	methyl isobutyl ketone	100.16	12	U	12	0.64
108-88-3	Toluene	92.14	4.8	U	4.8	0.40
10061-02-6	trans-1,3-Dichloropropene	110.97	4.8	U	4.8	0.52
79-00-5	1,1,2-Trichloroethane	133.41	4.8	U	4.8	0.40
127-18-4	Tetrachloroethene	165.83	4.8	U	4.8	0.38
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	12	U	12	4.8
124-48-1	Dibromochloromethane	208.29	4.8	U	4.8	0.48
106-93-4	1,2-Dibromoethane	187.87	4.8	U	4.8	0.48
108-90-7	Chlorobenzene	112.56	4.8	U	4.8	0.19
100-41-4	Ethylbenzene	106.17	4.8	U	4.8	0.31
179601-23-1	m,p-Xylene	106.17	12	U	12	0.55
95-47-6	Xylene, o-	106.17	4.8	U	4.8	0.38
1330-20-7	Xylene (total)	106.17	4.8	U	4.8	0.81
100-42-5	Styrene	104.15	4.8	U	4.8	0.43
75-25-2	Bromoform	252.75	4.8	U	4.8	0.24
79-34-5	1,1,2,2-Tetrachloroethane	167.85	4.8	U	4.8	0.38
103-65-1	n-Propylbenzene	120.19	4.8	U	4.8	1.9
622-96-8	4-Ethyltoluene	120.20	4.8	U	4.8	0.43
108-67-8	1,3,5-Trimethylbenzene	120.20	4.8	U	4.8	0.29
95-49-8	2-Chlorotoluene	126.59	4.8	U	4.8	0.31
98-06-6	tert-Butylbenzene	134.22	4.8	U	4.8	0.40
95-63-6	1,2,4-Trimethylbenzene	120.20	4.8	U	4.8	0.33
135-98-8	sec-Butylbenzene	134.22	4.8	U	4.8	1.9
99-87-6	4-Isopropyltoluene	134.22	4.8	U	4.8	1.9
541-73-1	1,3-Dichlorobenzene	147.00	2.1	J B	4.8	0.33
106-46-7	1,4-Dichlorobenzene	147.00	4.8	U	4.8	0.33
100-44-7	Benzyl chloride	126.58	4.8	U	4.8	1.9
104-51-8	n-Butylbenzene	134.22	4.8	U	4.8	1.9

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7B Lab Sample ID: 200-20969-1

Matrix: Air Lab File ID: 6282_020.d

Analysis Method: TO-15 Date Collected: 02/13/2014 16:58

Sample wt/vol: 35(mL) Date Analyzed: 02/25/2014 03:22

Soil Aliquot Vol: Dilution Factor: 23.8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	4.8	U	4.8	0.33
120-82-1	1,2,4-Trichlorobenzene	181.45	12	U	12	0.64
87-68-3	Hexachloro-1,3-butadiene	260.76	4.8	U	4.8	0.52
91-20-3	Naphthalene	128.17	12	U	12	4.8

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7B Lab Sample ID: 200-20969-1

Matrix: Air Lab File ID: 6282_020.d

Analysis Method: TO-15 Date Collected: 02/13/2014 16:58

Sample wt/vol: 35(mL) Date Analyzed: 02/25/2014 03:22

Soil Aliquot Vol: Dilution Factor: 23.8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	59	U	59	3.5
75-45-6	Freon 22	86.47	42	U	42	4.0
76-14-2	Freon-114	170.92	33	U	33	5.8
74-87-3	Chloromethane	50.49	25	U	25	6.7
106-97-8	n-Butane	58.12	28	U	28	16
75-01-4	Vinyl chloride	62.50	2.4	U	2.4	2.3
106-99-0	1,3-Butadiene	54.09	11	U	11	2.2
74-83-9	Bromomethane	94.94	18	U	18	2.6
75-00-3	Chloroethane	64.52	31	U	31	1.9
593-60-2	Vinyl bromide	106.96	21	U	21	3.1
75-69-4	Freon 11	137.37	27	U	27	4.0
76-13-1	Freon 113	187.38	36	U	36	3.3
75-35-4	1,1-Dichloroethene	96.94	19	U	19	2.3
67-64-1	Acetone	58.08	280	U	280	71
67-63-0	Isopropyl alcohol	60.10	1100		290	13
75-15-0	Carbon disulfide	76.14	37	U	37	4.9
107-05-1	Allyl chloride	76.53	37	U	37	2.5
75-09-2	Methylene Chloride	84.93	200		41	10
75-65-0	tert-Butyl alcohol	74.12	360	U	360	24
1634-04-4	Methyl tert-butyl ether	88.15	17	U	17	1.9
156-60-5	trans-1,2-Dichloroethene	96.94	19	U	19	2.7
110-54-3	Hexane	86.17	17	U	17	2.9
75-34-3	1,1-Dichloroethane	98.96	19	U	19	3.7
78-93-3	Methyl Ethyl Ketone	72.11	35	U	35	17
156-59-2	cis-1,2-Dichloroethene	96.94	19	U	19	3.6
540-59-0	1,2-Dichloroethene, Total	96.94	19	U	19	6.0
67-66-3	Chloroform	119.38	12	J	23	2.9
109-99-9	Tetrahydrofuran	72.11	350	U	350	3.2
71-55-6	1,1,1-Trichloroethane	133.41	26	U	26	2.7
110-82-7	Cyclohexane	84.16	16	U	16	2.0
56-23-5	Carbon tetrachloride	153.81	6.0	U	6.0	3.1
540-84-1	2,2,4-Trimethylpentane	114.23	22	U	22	3.0
71-43-2	Benzene	78.11	15	U	15	1.4
107-06-2	1,2-Dichloroethane	98.96	19	U	19	1.6
142-82-5	Heptane	100.21	20	U	20	4.5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7B Lab Sample ID: 200-20969-1

Matrix: Air Lab File ID: 6282_020.d

Analysis Method: TO-15 Date Collected: 02/13/2014 16:58

Sample wt/vol: 35(mL) Date Analyzed: 02/25/2014 03:22

Soil Aliquot Vol: Dilution Factor: 23.8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	5.1	U	5.1	3.1
80-62-6	Methyl methacrylate	100.12	49	U	49	2.9
78-87-5	1,2-Dichloropropane	112.99	22	U	22	3.5
123-91-1	1,4-Dioxane	88.11	430	U	430	17
75-27-4	Bromodichloromethane	163.83	32	U	32	2.7
10061-01-5	cis-1,3-Dichloropropene	110.97	22	U	22	3.0
108-10-1	methyl isobutyl ketone	100.16	49	U	49	2.6
108-88-3	Toluene	92.14	18	U	18	1.5
10061-02-6	trans-1,3-Dichloropropene	110.97	22	U	22	2.4
79-00-5	1,1,2-Trichloroethane	133.41	26	U	26	2.2
127-18-4	Tetrachloroethene	165.83	32	U	32	2.6
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	49	U	49	20
124-48-1	Dibromochloromethane	208.29	41	U	41	4.1
106-93-4	1,2-Dibromoethane	187.87	37	U	37	3.7
108-90-7	Chlorobenzene	112.56	22	U	22	0.89
100-41-4	Ethylbenzene	106.17	21	U	21	1.3
179601-23-1	m,p-Xylene	106.17	52	U	52	2.4
95-47-6	Xylene, o-	106.17	21	U	21	1.7
1330-20-7	Xylene (total)	106.17	21	U	21	3.5
100-42-5	Styrene	104.15	20	U	20	1.8
75-25-2	Bromoform	252.75	49	U	49	2.5
79-34-5	1,1,2,2-Tetrachloroethane	167.85	33	U	33	2.6
103-65-1	n-Propylbenzene	120.19	23	U	23	9.4
622-96-8	4-Ethyltoluene	120.20	23	U	23	2.1
108-67-8	1,3,5-Trimethylbenzene	120.20	23	U	23	1.4
95-49-8	2-Chlorotoluene	126.59	25	U	25	1.6
98-06-6	tert-Butylbenzene	134.22	26	U	26	2.2
95-63-6	1,2,4-Trimethylbenzene	120.20	23	U	23	1.6
135-98-8	sec-Butylbenzene	134.22	26	U	26	10
99-87-6	4-Isopropyltoluene	134.22	26	U	26	10
541-73-1	1,3-Dichlorobenzene	147.00	13	J B	29	2.0
106-46-7	1,4-Dichlorobenzene	147.00	29	U	29	2.0
100-44-7	Benzyl chloride	126.58	25	U	25	9.9
104-51-8	n-Butylbenzene	134.22	26	U	26	10

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: SS-VMP-7B Lab Sample ID: 200-20969-1

Matrix: Air Lab File ID: 6282_020.d

Analysis Method: TO-15 Date Collected: 02/13/2014 16:58

Sample wt/vol: 35(mL) Date Analyzed: 02/25/2014 03:22

Soil Aliquot Vol: Dilution Factor: 23.8

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	29	U	29	2.0
120-82-1	1,2,4-Trichlorobenzene	181.45	88	U	88	4.8
87-68-3	Hexachloro-1,3-butadiene	260.76	51	U	51	5.6
91-20-3	Naphthalene	128.17	62	U	62	25

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_020.d
Lims ID: 200-20969-A-1 Lab Sample ID: 200-20969-1
Client ID: SS-VMP-7B
Sample Type: Client
Inject. Date: 25-Feb-2014 03:22:30 ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 23.8000
Sample Info: 200-0006282-020
Misc. Info.: 200-20969-A-1@23.8 cdf=4.17 35ml
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 10:25:09 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 25-Feb-2014 09:54:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		4.463					
6 Chlorodifluoromethane	51		4.528					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.816					
8 Chloromethane	50		5.009					
9 Butane	43		5.276					
10 Vinyl chloride	62		5.335					
11 Butadiene	54		5.432					
12 Bromomethane	94		6.298					
14 Chloroethane	64		6.587					
16 Vinyl bromide	106		7.063					
17 Trichlorofluoromethane	101		7.181					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.433					
24 1,1-Dichloroethene	96		8.508					
25 Acetone	43		8.743					
26 Carbon disulfide	76		8.995					
27 Isopropyl alcohol	45	9.085	9.027	0.058	97	950894	19.5	
29 3-Chloro-1-propene	41		9.401					
31 Methylene Chloride	49	9.754	9.727	0.027	80	99385	2.45	
32 2-Methyl-2-propanol	59		9.904					
33 Methyl tert-butyl ether	73		10.155					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.230					
36 Hexane	57		10.648					
37 1,1-Dichloroethane	63		11.193					
39 cis-1,2-Dichloroethene	96		12.370					
40 2-Butanone (MEK)	72		12.386					
44 Tetrahydrofuran	42		12.846					
* 43 Chlorobromomethane	128	12.868	12.857	0.011	69	401746	10.0	
45 Chloroform	83	12.975	12.964	0.011	78	14110	0.1048	
46 Cyclohexane	84		13.258					
47 1,1,1-Trichloroethane	97		13.274					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	48	Carbon tetrachloride		117		13.531				
	51	Isooctane		57		13.922				
	50	Benzene		78		13.980				
	52	1,2-Dichloroethane		62		14.141				
	53	n-Heptane		43		14.269				
*	54	1,4-Difluorobenzene		114	14.756	14.745	0.011	92	1895869	10.0
	56	Trichloroethene		95		15.206				
	58	1,2-Dichloropropane		63		15.730				
	59	Methyl methacrylate		69		15.810				
	60	1,4-Dioxane		88		15.901				
	62	Dichlorobromomethane		83		16.217				
	64	cis-1,3-Dichloropropene		75		17.083				
	65	4-Methyl-2-pentanone (MIBK)		43		17.319				
	66	Toluene		92		17.656				
	70	trans-1,3-Dichloropropene		75		18.191				
	71	1,1,2-Trichloroethane		83		18.554				
	72	Tetrachloroethene		166		18.699				
	73	2-Hexanone		43		18.945				
	74	Chlorodibromomethane		129		19.314				
	75	Ethylene Dibromide		107		19.598				
S	82	Xylenes, Total		106		20.100				
*	76	Chlorobenzene-d5		117	20.443	20.443	0.0	84	1594394	10.0
	77	Chlorobenzene		112		20.496				
	78	Ethylbenzene		91		20.614				
	80	m-Xylene & p-Xylene		106		20.833				
	83	o-Xylene		106		21.545				
	84	Styrene		104		21.582				
	85	Bromoform		173		21.957				
$	87	4-Bromofluorobenzene		95	22.444	22.444	0.0	97	1066294	NC
	88	1,1,2,2-Tetrachloroethane		83		22.668				
	90	N-Propylbenzene		91		22.743				
	91	4-Ethyltoluene		105		22.909				
	92	2-Chlorotoluene		91		22.941				
	94	1,3,5-Trimethylbenzene		105		23.000				
	96	tert-Butylbenzene		119		23.476				
	97	1,2,4-Trimethylbenzene		105		23.567				
	98	sec-Butylbenzene		105		23.808				
	99	4-Isopropyltoluene		119		24.011				
	100	1,3-Dichlorobenzene		146	24.086	24.081	0.005	92	20181	0.0891
	101	1,4-Dichlorobenzene		146		24.225				
	102	Benzyl chloride		91		24.434				
	103	n-Butylbenzene		91		24.648				
	105	1,2-Dichlorobenzene		146		24.830				
	107	1,2,4-Trichlorobenzene		180		27.729				
	108	Hexachlorobutadiene		225		27.932				
	109	Naphthalene		128		28.312				

WorkSheet Quantitation Report

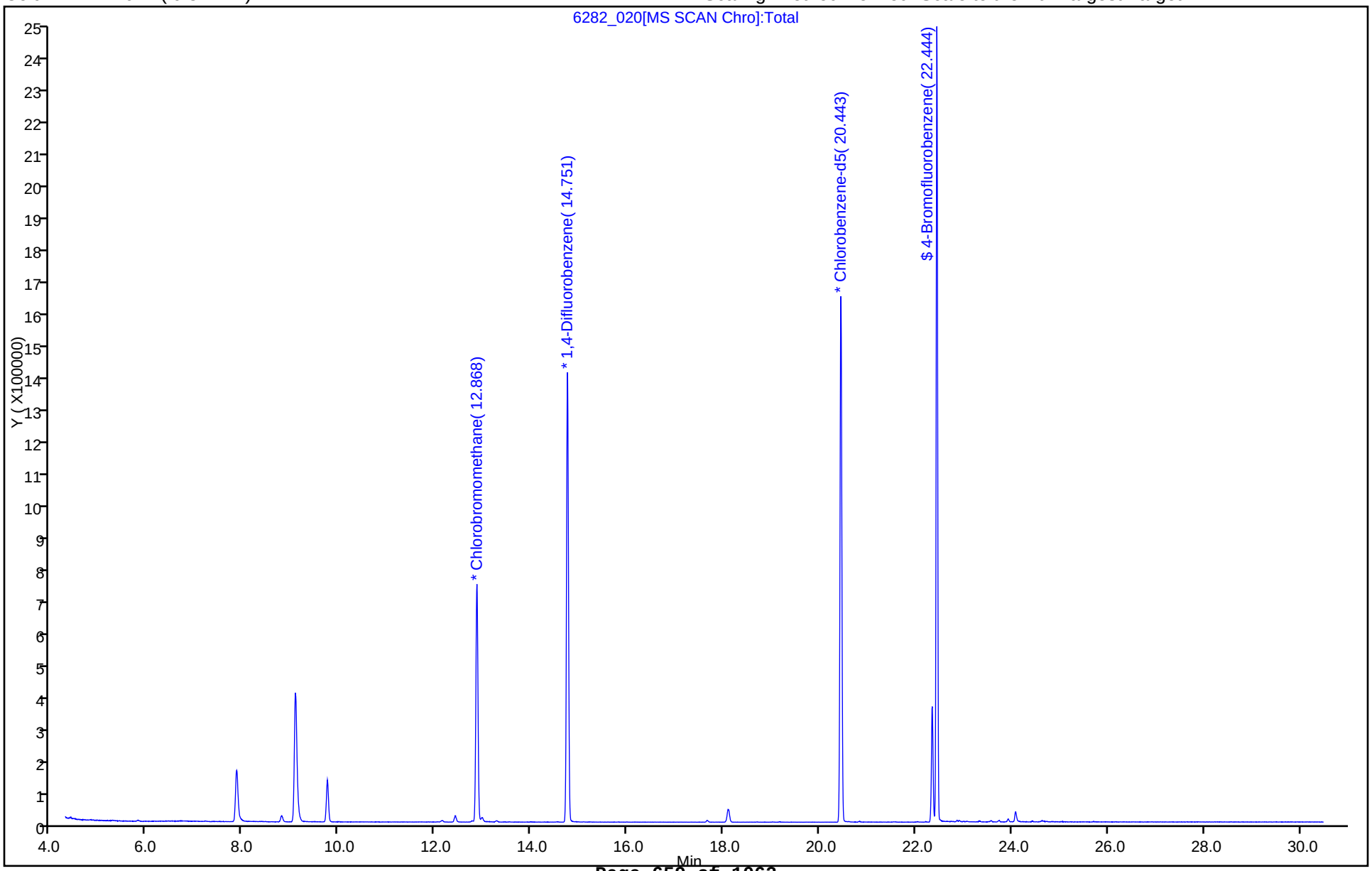
Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 25-Feb-2014 10:25:14 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_020.d				
Injection Date:	25-Feb-2014 03:22:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-20969-A-1	Lab Sample ID:	200-20969-1	Worklist Smp#:	20
Client ID:	SS-VMP-7B				
Purge Vol:	200.000 mL	Dil. Factor:	23.8000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



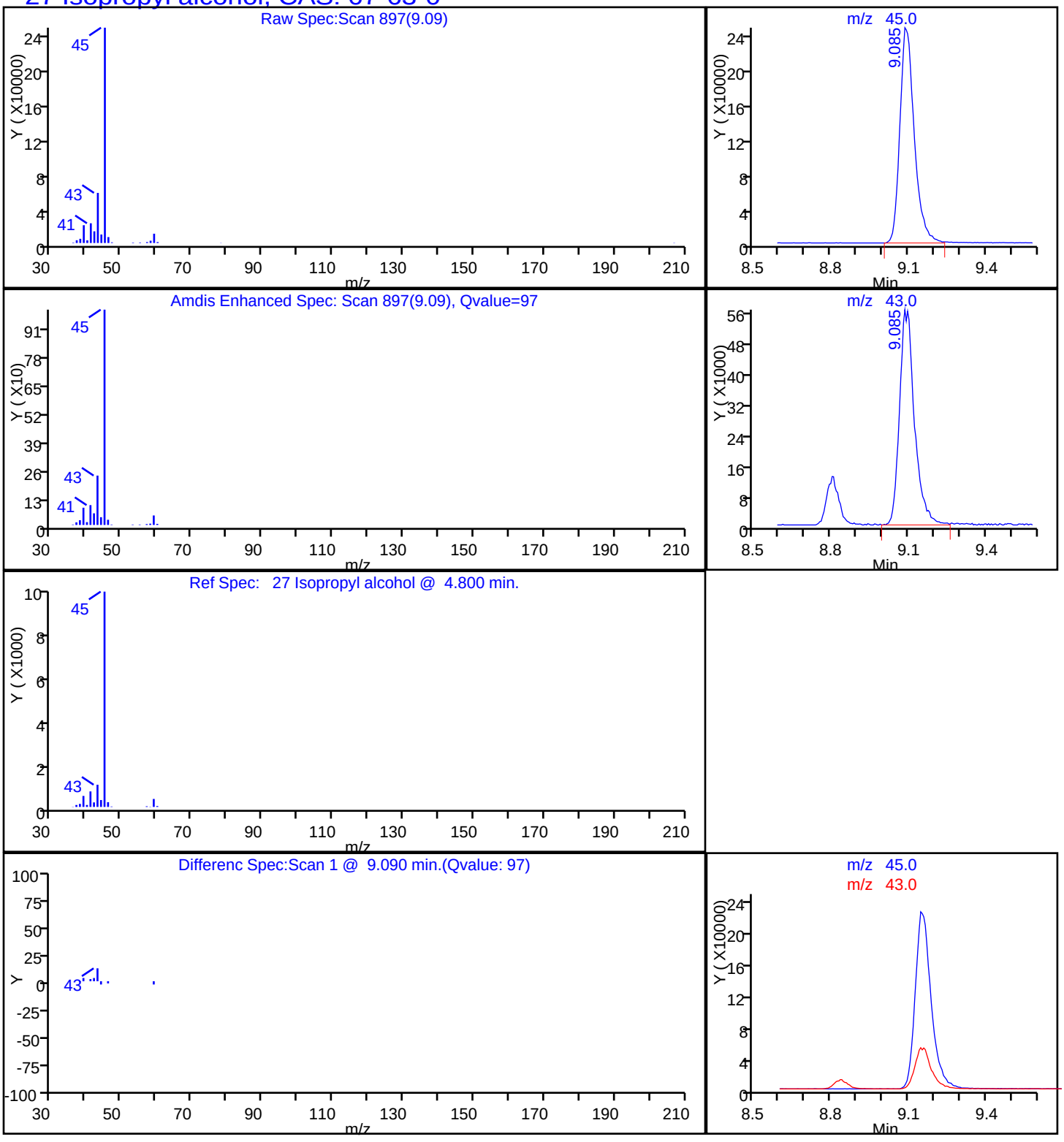
Report Date: 25-Feb-2014 10:25:14 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_020.d

Injection Date:	25-Feb-2014 03:22:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-1	Lab Sample ID:	200-20969-1		
Client ID:	SS-VMP-7B				
Operator ID:	bl	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	23.8000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



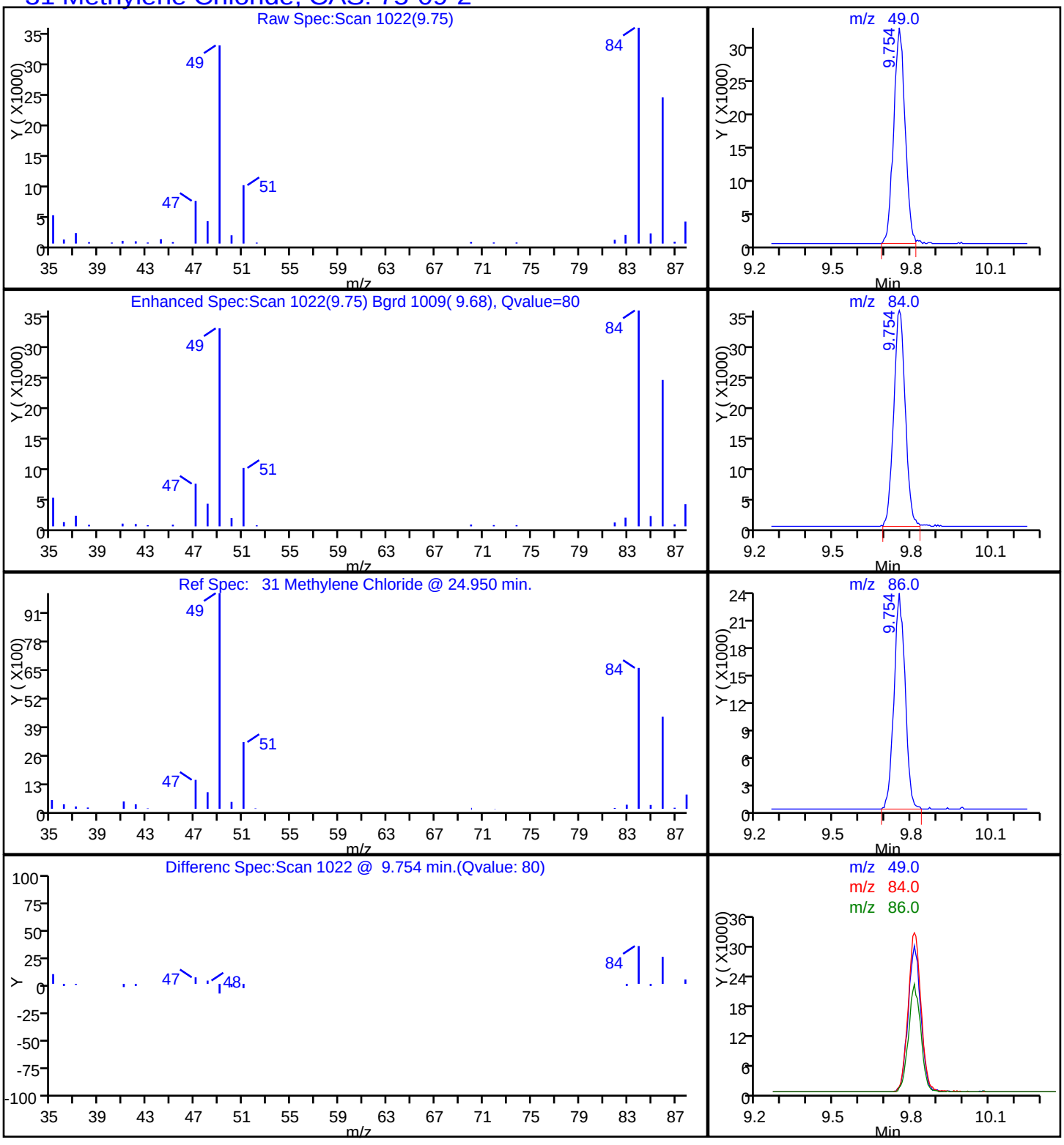
Report Date: 25-Feb-2014 10:25:14 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_020.d

Injection Date:	25-Feb-2014 03:22:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-1	Lab Sample ID:	200-20969-1		
Client ID:	SS-VMP-7B				
Operator ID:	bl	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	23.8000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



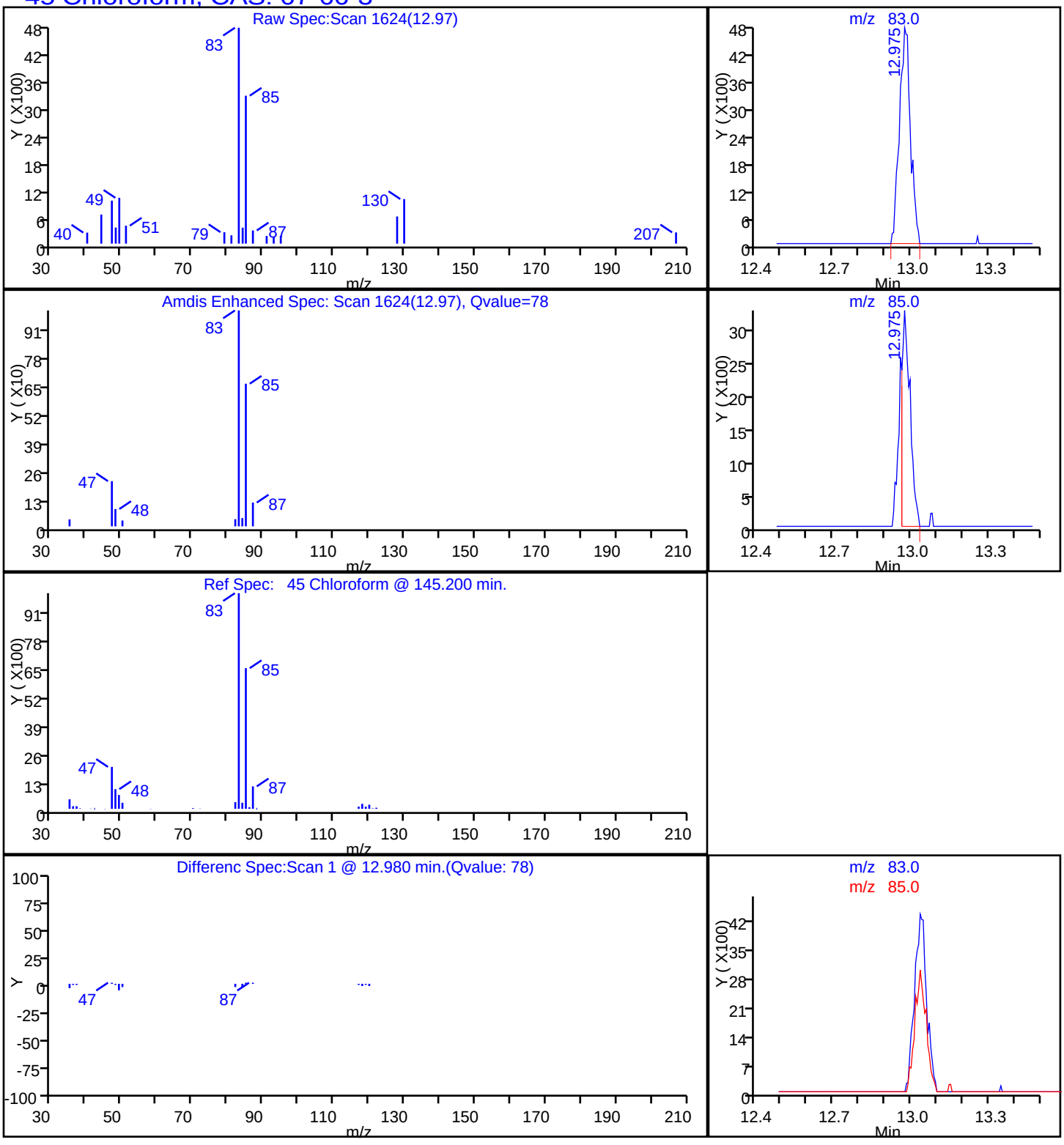
Report Date: 25-Feb-2014 10:25:14 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_020.d

Injection Date:	25-Feb-2014 03:22:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-1	Lab Sample ID:	200-20969-1		
Client ID:	SS-VMP-7B				
Operator ID:	bl	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	23.8000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



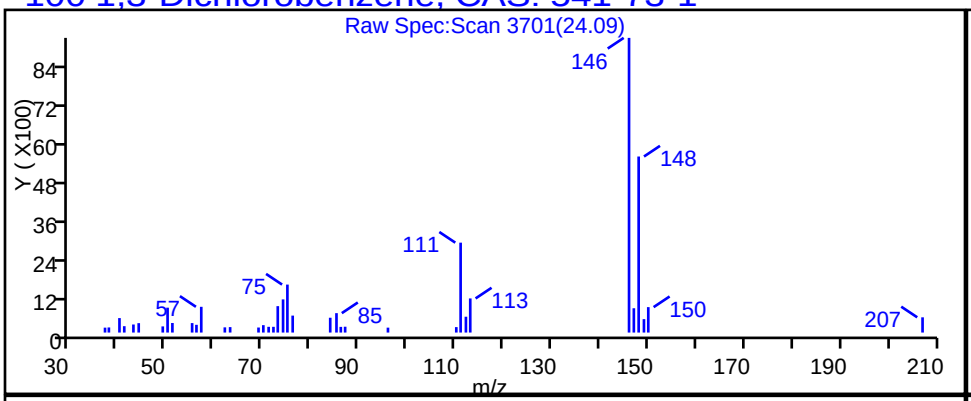
Report Date: 25-Feb-2014 10:25:14 Chrom Revision: 2.2 06-Feb-2014 15:19:06

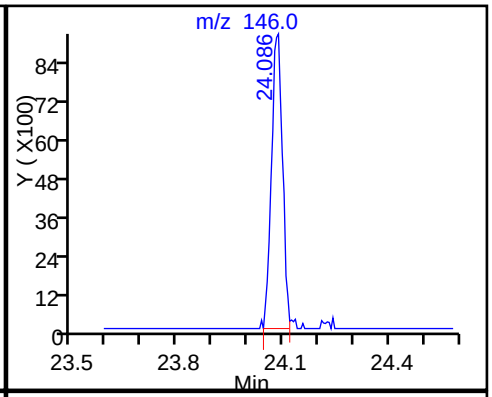
TestAmerica Burlington

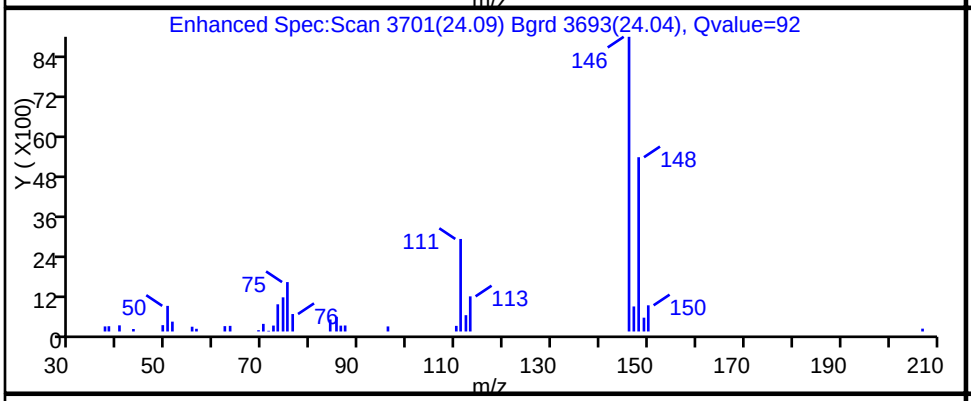
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_020.d

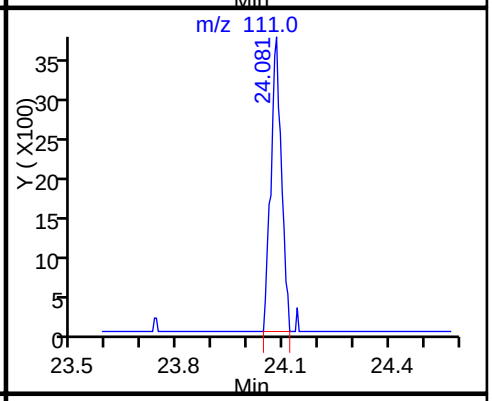
Injection Date:	25-Feb-2014 03:22:30	Instrument ID:	CHW.i		
Lims ID:	200-20969-A-1	Lab Sample ID:	200-20969-1		
Client ID:	SS-VMP-7B				
Operator ID:	bl	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	23.8000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

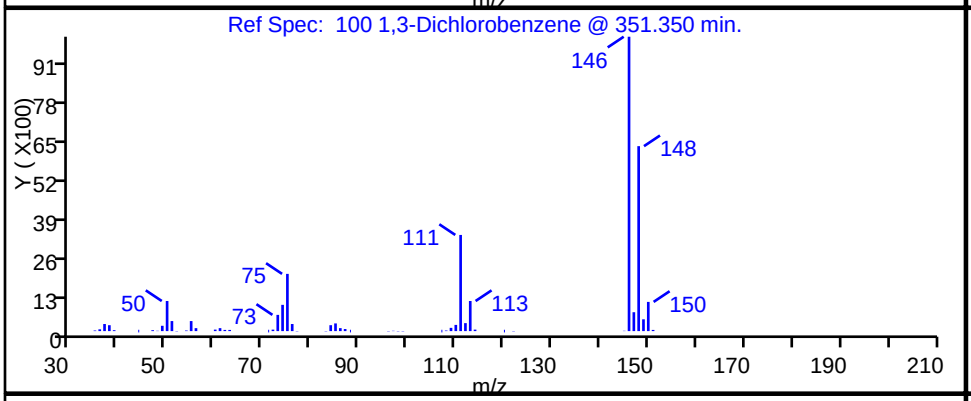
100 1,3-Dichlorobenzene, CAS: 541-73-1

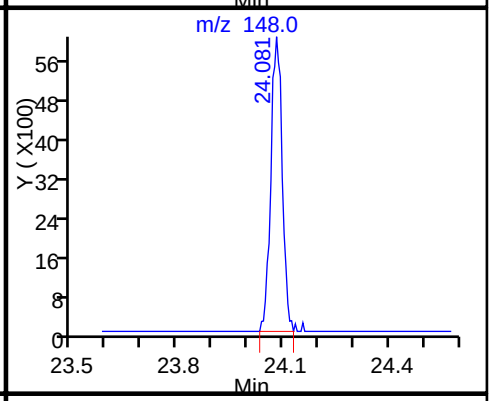


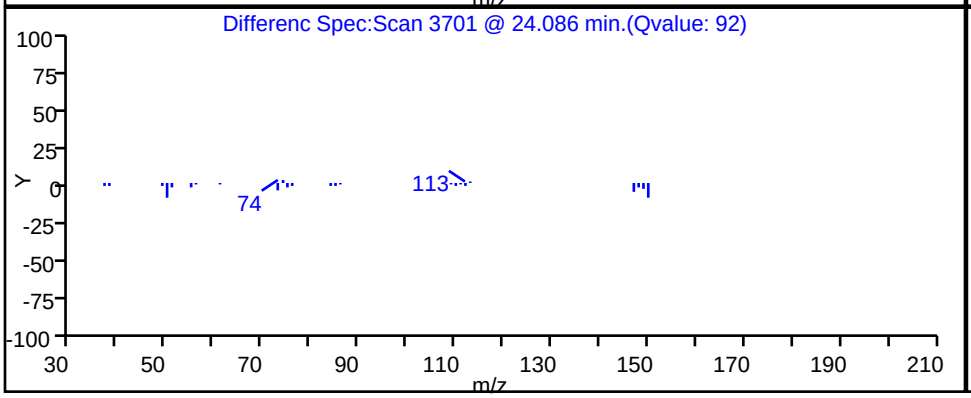


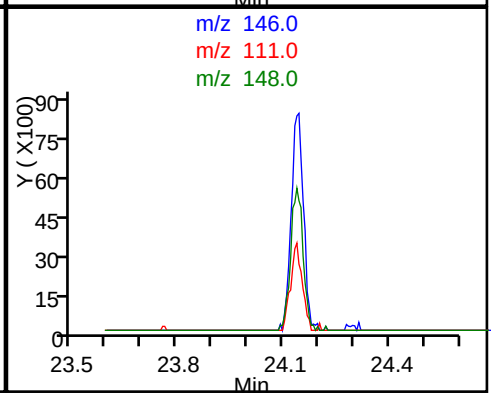












FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68619

SDG No.: 200-20955-2

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-68619/6	6246_006.D
Level 2	IC 200-68619/7	6246_007.D
Level 3	IC 200-68619/8	6246_008.D
Level 4	IC 200-68619/9	6246_009.D
Level 5	ICIS 200-68619/10	6246_010.D
Level 6	IC 200-68619/11	6246_011.D
Level 7	IC 200-68619/12	6246_012.D
Level 8	IC 200-68619/13	6246_013.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.3790	0.7148 0.3651	0.5325 0.3363	0.4395	0.4003	Ave		0.4525				29.0		30.0			
Dichlorodifluoromethane	+++++ 2.9874	+++++ 2.8719	3.7069 2.5818	3.5158	3.1589	Ave		3.1371				13.0		30.0			
Freon 22	+++++ 1.1103	+++++ 1.0831	1.3941 0.9884	1.3139	1.1968	Ave		1.1811				13.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.4982	2.9659 2.4044	3.1537 2.1606	2.9606	2.6635	Ave		2.6867				13.0		30.0			
Chloromethane	+++++ 0.5533	+++++ 0.5482	0.7230 0.5063	0.6554	0.5875	Ave		0.5956				13.0		30.0			
n-Butane	+++++ 0.7455	+++++ 0.7094	0.9492 0.6507	0.8742	0.7817	Ave		0.7851				14.0		30.0			
Vinyl chloride	1.0034 0.7381	0.8642 0.7149	0.9178 0.6605	0.8506	0.7784	Ave		0.8160				14.0		30.0			
1,3-Butadiene	+++++ 0.4505	0.5325 0.4310	0.5198 0.4026	0.5203	0.4743	Ave		0.4758				11.0		30.0			
Bromomethane	+++++ 1.0944	1.2407 1.0686	1.3271 0.9905	1.2599	1.1512	Ave		1.1618				10.0		30.0			
Chloroethane	+++++ 0.3098	+++++ 0.3014	0.3824 0.2800	0.3491	0.3212	Ave		0.3240				11.0		30.0			
Isopentane	+++++ 0.4694	0.6333 0.4590	0.5858 0.4236	0.5377	0.4893	Ave		0.5140				15.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.2099	1.3175 1.1834	1.3962 1.1154	1.3594	1.2482	Ave		1.2614				8.0		30.0			
Trichlorofluoromethane	+++++ 3.3690	3.9158 3.2572	4.1251 3.0024	3.8886	3.5242	Ave		3.5832				11.0		30.0			
n-Pentane	+++++ 0.7616	+++++ 0.7386	0.9161 0.6848	0.8786	0.7926	Ave		0.7954				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68619

SDG No.: 200-20955-2

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.1881	+++++ 0.1853	0.2071 0.1702	0.1978	0.1977	Ave		0.1910				6.7		30.0			
Ethyl ether	+++++ 0.3844	0.4421 0.3774	0.4217 0.3489	0.4319	0.3959	Ave		0.4003				8.3		30.0			
Acrolein	+++++ 0.1860	+++++ 0.1868	+++++ 0.1778	0.2117	0.1927	Ave		0.1910				6.7		30.0			
Freon TF	+++++ 2.1059	2.4624 2.0546	2.5764 1.8830	2.4437	2.2143	Ave		2.2486				11.0		30.0			
1,1-Dichloroethene	+++++ 0.8763	1.0812 0.8661	1.1007 0.7895	1.0239	0.9260	Ave		0.9520				12.0		30.0			
Acetone	+++++ 0.7971	+++++ 0.8386	+++++ 0.7060	0.9395	1.1122	Ave		0.8787				18.0		30.0			
Carbon disulfide	+++++ 2.4487	+++++ 2.1749	2.5564 2.0324	2.4828	2.2943	Ave		2.3316				8.6		30.0			
Isopropyl alcohol	+++++ 0.6937	+++++ 0.6671	+++++ 0.5864	0.8299	0.7679	Ave		0.7090				13.0		30.0			
3-Chloropropene	+++++ 0.6020	0.6648 0.5923	0.6802 0.5536	0.6807	0.6293	Ave		0.6290				7.8		30.0			
Acetonitrile	+++++ 0.3343	+++++ 0.3306	+++++ 0.2974	0.3817	0.3475	Ave		0.3383				9.0		30.0			
Methylene Chloride	+++++ 0.6573	+++++ 0.6531	0.8540 0.6026	0.7739	0.7006	Ave		0.7069				13.0		30.0			
tert-Butyl alcohol	+++++ 1.2326	+++++ 1.2177	+++++ 1.0621	1.4441	1.3426	Ave		1.2598				11.0		30.0			
Methyl tert-butyl ether	+++++ 2.1552	2.3025 2.1124	2.4465 1.9713	2.4261	2.2480	Ave		2.2374				7.7		30.0			
trans-1,2-Dichloroethene	+++++ 0.9840	1.1100 0.9521	1.1752 0.8772	1.1426	1.0320	Ave		1.0390				10.0		30.0			
Acrylonitrile	+++++ 0.3737	+++++ 0.3698	0.3979 0.3534	0.4100	0.3871	Ave		0.3820				5.4		30.0			
n-Hexane	+++++ 0.8027	0.9300 0.7717	0.9275 0.7220	0.8956	0.8249	Ave		0.8392				9.6		30.0			
1,1-Dichloroethane	1.8728 1.4106	1.5118 1.3786	1.6374 1.2923	1.6128	1.4588	Ave		1.5219				12.0		30.0			
Vinyl acetate	+++++ 1.4586	+++++ 1.4336	+++++ 1.3509	1.6067	1.5122	Ave		1.4724				6.4		30.0			
cis-1,2-Dichloroethene	+++++ 1.2236	1.3809 1.2157	1.4483 1.1225	1.3690	1.2681	Ave		1.2897				8.8		30.0			
Methyl Ethyl Ketone	+++++ 0.4063	+++++ 0.3921	0.5877 0.3624	0.4465	0.4213	Ave		0.4361				18.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68619

SDG No.: 200-20955-2

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0650	+++++ 0.0646	+++++ 0.0604	0.0716	0.0688	Ave		0.0661				6.5		30.0			
Tetrahydrofuran	+++++ 0.1164	+++++ 0.1139	+++++ 0.1073	0.1333	0.1238	Ave		0.1189				8.4		30.0			
Chloroform	+++++ 2.7018	2.9925 2.6339	3.2808 2.4348	3.1270	2.8420	Ave		2.8590				10.0		30.0			
Cyclohexane	+++++ 0.2335	0.2692 0.2286	0.2896 0.2081	0.2713	0.2468	Ave		0.2496				11.0		30.0			
1,1,1-Trichloroethane	+++++ 0.5599	0.6287 0.5463	0.6614 0.5043	0.6418	0.5910	Ave		0.5905				9.6		30.0			
Carbon tetrachloride	0.8704 0.7170	0.7330 0.7011	0.7920 0.6630	0.7981	0.7476	Ave		0.7528				8.7		30.0			
Benzene	+++++ 0.6126	0.7670 0.5960	0.7802 0.5356	0.7241	0.6554	Ave		0.6673				14.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.7504	0.8447 0.7188	0.9318 0.6407	0.8886	0.7986	Ave		0.7963				13.0		30.0			
1,2-Dichloroethane	+++++ 0.3158	0.3579 0.3097	0.3637 0.2917	0.3606	0.3323	Ave		0.3331				8.5		30.0			
n-Heptane	+++++ 0.2656	0.3901 0.2555	0.3322 0.2291	0.3164	0.2826	Ave		0.2959				18.0		30.0			
n-Butanol	+++++ 0.1138	+++++ 0.1085	+++++ 0.0985	0.1250	0.1252	Ave		0.1142				10.0		30.0			
Trichloroethene	0.6018 0.4313	0.4822 0.4200	0.5161 0.3834	0.4935	0.4566	Ave		0.4731				14.0		30.0			
1,2-Dichloropropane	+++++ 0.2993	+++++ 0.2894	0.3554 0.2648	0.3491	0.3164	Ave		0.3124				11.0		30.0			
Methyl methacrylate	+++++ 0.2743	+++++ 0.2672	0.2519 0.2410	0.3044	0.2912	Ave		0.2717				8.7		30.0			
1,4-Dioxane	+++++ 0.1435	+++++ 0.1333	+++++ 0.1050	0.1845	0.1685	Ave		0.1470				21.0		30.0			
Dibromomethane	+++++ 0.5299	0.5059 0.5205	0.5472 0.4799	0.5665	0.5483	Ave		0.5283				5.5		30.0			
Bromodichloromethane	+++++ 0.7822	0.7104 0.7619	0.8147 0.7015	0.8719	0.8169	Ave		0.7799				7.8		30.0			
cis-1,3-Dichloropropene	+++++ 0.5275	0.5037 0.5167	0.5567 0.4785	0.5843	0.5498	Ave		0.5310				6.7		30.0			
Methyl isobutyl ketone	+++++ 0.4791	+++++ 0.4654	0.5090 0.4170	0.5542	0.5077	Ave		0.4887				9.5		30.0			
Toluene	+++++ 0.6736	0.8475 0.6539	0.8557 0.5939	0.7881	0.7155	Ave		0.7326				14.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68619

SDG No.: 200-20955-2

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.4757	0.5660 0.4515	0.6118 0.3919	0.5769	0.5095	Ave		0.5119				15.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.5472	0.5000 0.5393	0.5358 0.5022	0.5938	0.5676	Ave		0.5408				6.2		30.0			
1,1,2-Trichloroethane	+++++ 0.3425	0.4013 0.3302	0.4312 0.2966	0.4020	0.3650	Ave		0.3670				13.0		30.0			
Tetrachloroethene	0.9338 0.7367	0.8221 0.7240	0.8469 0.6644	0.8066	0.7642	Ave		0.7873				11.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4399	+++++ 0.4240	0.4247 0.3847	0.4984	0.4602	Ave		0.4387				8.7		30.0			
Dibromochloromethane	+++++ 0.9758	0.7972 0.9608	0.9394 0.8879	1.0535	1.0145	Ave		0.9470				8.9		30.0			
1,2-Dibromoethane	+++++ 0.7320	0.6994 0.7215	0.7824 0.6592	0.8090	0.7678	Ave		0.7388				7.0		30.0			
Chlorobenzene	+++++ 1.0220	1.1042 0.9920	1.2016 0.9015	1.1480	1.0696	Ave		1.0627				9.5		30.0			
Ethylbenzene	+++++ 1.4406	1.6349 1.3849	1.7496 1.2345	1.6743	1.5338	Ave		1.5218				12.0		30.0			
n-Nonane	+++++ 0.4993	0.6108 0.4715	0.6510 0.4027	0.6151	0.5396	Ave		0.5414				17.0		30.0			
m,p-Xylene	+++++ 0.5833	0.6732 0.5577	0.7351 0.4869	0.6939	0.6247	Ave		0.6221				14.0		30.0			
Xylene, o-	+++++ 0.6179	0.7013 0.5922	0.7302 0.5305	0.7180	0.6556	Ave		0.6494				11.0		30.0			
Styrene	+++++ 0.8950	0.7292 0.8822	0.8183 0.8051	0.9800	0.9422	Ave		0.8646				10.0		30.0			
Bromoform	+++++ 0.9868	0.6585 0.9680	0.7646 0.8734	1.0116	1.0068	Ave		0.8956				15.0		30.0			
Cumene	+++++ 1.6955	1.9142 1.6278	2.0836 1.3845	2.0022	1.8098	Ave		1.7882				13.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8368	0.9511 0.7931	1.0202 0.6766	1.0058	0.9000	Ave		0.8834				14.0		30.0			
1,2,3-Trichloropropane	+++++ 0.5560	+++++ 0.5167	0.7169 0.4246	0.6896	0.6072	Ave		0.5852				19.0		30.0			
n-Propylbenzene	+++++ 1.7505	2.0045 1.6320	2.1816 1.2866	2.1484	1.9133	Ave		1.8452				17.0		30.0			
2-Chlorotoluene	+++++ 1.1249	1.4237 1.0380	1.5758 0.8450	1.4702	1.2593	Ave		1.2481				21.0		30.0			
4-Ethyltoluene	+++++ 1.4133	1.5374 1.3144	1.8036 1.0959	1.7845	1.5620	Ave		1.5016				17.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68619

SDG No.: 200-20955-2

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Decane	+++++ 0.4869	+++++ 0.4329	0.8002 0.3339	0.6874	0.5657	Ave		0.5512				31.0	*	30.0			
1,3,5-Trimethylbenzene	+++++ 1.4241	1.5856 1.3557	1.6894 1.1591	1.6548	1.5215	Ave		1.4843				13.0		30.0			
Alpha Methyl Styrene	+++++ 0.7386	0.4902 0.7181	0.5931 0.6619	0.7878	0.7701	Ave		0.6800				16.0		30.0			
tert-Butylbenzene	+++++ 1.4158	1.6505 1.3510	1.7694 1.1603	1.6832	1.5208	Ave		1.5073				14.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.4103	1.4768 1.3415	1.5803 1.1247	1.6233	1.4992	Ave		1.4366				12.0		30.0			
sec-Butylbenzene	+++++ 2.0054	2.3299 1.8723	2.5263 1.3417	2.4266	2.1646	Ave		2.0953				19.0		30.0			
4-Isopropyltoluene	+++++ 1.6844	1.8650 1.5616	2.0415 1.1741	2.0353	1.8249	Ave		1.7410				17.0		30.0			
1,3-Dichlorobenzene	+++++ 0.9602	0.7275 0.9249	0.8244 0.8156	0.9975	0.9972	Ave		0.8925				12.0		30.0			
1,4-Dichlorobenzene	+++++ 0.9756	0.6150 0.9708	0.7069 0.8942	0.9241	0.9794	Ave		0.8666				17.0		30.0			
Benzyl chloride	+++++ 1.0292	0.6091 1.0483	0.6936 0.9779	1.0211	1.0511	Ave		0.9186				20.0		30.0			
n-Butylbenzene	+++++ 1.3896	1.2546 1.3074	1.4538 1.0894	1.6106	1.4877	Ave		1.3704				12.0		30.0			
n-Undecane	+++++ 0.6417	+++++ 0.5863	+++++ 0.4759	0.7997	0.7082	Ave		0.6424				19.0		30.0			
1,2-Dichlorobenzene	+++++ 1.0082	+++++ 0.9898	+++++ 0.8983	1.0253	1.0277	Ave		0.9899				5.4		30.0			
n-Dodecane	+++++ 0.1205	+++++ 0.1133	+++++ 0.0627	0.1022	0.1051	Ave		0.1008				22.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.6411	+++++ 0.6458	0.2122 0.5714	0.4825	0.6154	Ave		0.5281				31.0	*	30.0			
Hexachlorobutadiene	+++++ 0.5438	0.2782 0.5308	0.3635 0.3459	0.5339	0.5249	Ave		0.4459				25.0		30.0			
Naphthalene	+++++ 1.5541	+++++ 1.4556	0.5472 1.2395	1.1889	1.5698	Ave		1.2592				30.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6451	0.0882 0.6392	0.1490 0.4240	0.4756	0.6168	Ave		0.4340				53.0	*	30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68619

SDG No.: 200-20955-2

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-68619/6	6246_006.D
Level 2	IC 200-68619/7	6246_007.D
Level 3	IC 200-68619/8	6246_008.D
Level 4	IC 200-68619/9	6246_009.D
Level 5	ICIS 200-68619/10	6246_010.D
Level 6	IC 200-68619/11	6246_011.D
Level 7	IC 200-68619/12	6246_012.D
Level 8	IC 200-68619/13	6246_013.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 409939	9932 531626	18540 983061	151117	286297	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 3230850	+++++ 4181834	129063 7546057	1208772	2259292	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1200735	+++++ 1577162	48538 2888804	451729	855933	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2701745	41209 3501162	109804 6314979	1017902	1904928	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 598384	+++++ 798173	25172 1479893	225318	420154	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 806246	+++++ 1032909	33049 1901790	300548	559089	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2816 798226	12008 1041015	31954 1930472	292452	556751	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 487180	7398 627561	18097 1176646	178903	339253	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 1183604	17238 1556035	46205 2895032	433178	823346	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 335083	+++++ 438854	13315 818413	120029	229705	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 507695	8799 668334	20397 1237978	184884	349976	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 1308520	18306 1723153	48611 3260069	467389	892749	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 3643540	54407 4742944	143623 8775338	1336944	2520532	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 823688	+++++ 1075523	31896 2001506	302081	566844	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 271826	+++++ 539835	72194 1243817	136094	212163	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68619

SDG No.: 200-20955-2

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 415742	6143 549493	14683 1019836	148478	283148	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 201208	+++++ 271982	+++++ 519709	72770	137856	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 2277520	34213 2991683	89704 5503611	840163	1583677	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 947756	15022 1261148	38323 2307432	352045	662295	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 862031	+++++ 1221169	+++++ 2063546	323029	795436	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2648261	+++++ 3166898	89006 5940319	853634	1640891	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 750208	+++++ 971316	+++++ 1713889	285338	549210	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 651073	9237 862409	23682 1618104	234040	450082	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 361566	+++++ 481394	+++++ 869306	131243	248568	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 710830	+++++ 950923	29735 1761297	266067	501054	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1333072	+++++ 1773174	+++++ 3104259	496490	960229	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 2330831	31992 3075884	85180 5761697	834114	1607772	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1064193	15422 1386349	40916 2563803	392851	738091	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 404196	+++++ 538419	13855 1033037	140952	276821	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 868088	12921 1123675	32294 2110178	307913	589981	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	5256 1525580	21005 2007403	57010 3777110	554518	1043330	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1577514	+++++ 2087444	+++++ 3948444	552395	1081527	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1323299	19187 1770187	50426 3280795	470673	906927	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 439441	+++++ 570879	20463 1059095	153510	301345	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 70260	+++++ 94118	+++++ 176622	24618	49181	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 714991	+++++ 939094	+++++ 1745766	262302	499970	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68619

SDG No.: 200-20955-2

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2921953	41579 3835335	114228 7116385	1075112	2032630	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1433887	21357 1884655	57411 3386982	533914	997051	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 3437517	49882 4503954	131103 8206833	1263234	2387389	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	13918 4402582	58162 5780737	156994 10788406	1570962	3020168	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 3761203	60856 4914178	154653 8715559	1425155	2647780	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 4607690	67023 5926650	184696 10425438	1749112	3226416	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1939265	28397 2553638	72082 4747119	709813	1342503	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 1630783	30950 2106255	65839 3727378	622697	1141680	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 698968	+++++ 894348	+++++ 1602361	245970	505897	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	9623 2647845	38256 3463198	102297 6239533	971312	1844608	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1837625	+++++ 2386362	70446 4309146	687104	1278379	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1684416	+++++ 2202970	49923 3921743	599107	1176380	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 881134	+++++ 1099302	+++++ 1709373	363088	680611	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 3253569	40138 4291738	108460 7808407	1115046	2215033	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 4802511	56366 6281735	161476 11414848	1716250	3300205	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 3238934	39968 4259880	110337 7786571	1150002	2221070	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl isobutyl ketone	DFB	Ave	+++++ 2941842	+++++ 3837041	100890 6786028	1090848	2051108	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 4313082	64574 5619306	165800 10062727	1590379	2998194	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 2920702	44909 3722407	121271 6377605	1135415	2058389	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 3359685	39671 4446522	106208 8172557	1168774	2292877	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 2193082	30580 2837907	83539 5024630	811215	1529284	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68619

SDG No.: 200-20955-2

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	14419 4717288	62640 6221845	164090 11257293	1627552	3202244	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2816666	+++++ 3644308	82281 6517803	1005814	1928485	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 6248363	60743 8257492	182005 15043588	2125782	4251148	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 4686871	53293 6200376	151583 11168909	1632564	3217385	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 6544081	84135 8525443	232809 15274499	2316460	4481775	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 9224141	124570 11901776	338982 20917158	3378545	6427281	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 3197055	46544 4051815	126136 6823424	1241178	2261097	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 7470362	102596 9585988	284857 16500183	2800392	5235134	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 3956763	53436 5089695	141475 8987903	1448848	2747243	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 5731100	55566 7581441	158543 13641554	1977497	3948082	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 6318722	50174 8318745	148133 14797457	2041252	4218739	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 10856447	145855 13989868	403696 23458205	4040344	7583518	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 5358285	72471 6815546	197660 11463767	2029661	3771098	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 3560001	+++++ 4440353	138895 7193533	1391625	2544453	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 11208613	152735 14025147	422680 21799286	4335173	8017289	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 7203124	108483 8920326	305303 14316837	2966781	5276687	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 9049566	117145 11296239	349454 18568014	3601019	6545510	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 3118009	+++++ 3720783	155046 5657115	1387088	2370339	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 9119021	120819 11650765	327327 19639345	3339306	6375396	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 4729427	37350 6171333	114920 11214255	1589678	3226946	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 9065846	125760 11610585	342819 19659345	3396541	6372646	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68619

SDG No.: 200-20955-2

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 9030475	112524 11529355	306178 19055651	3275586	6282168	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 12841290	177526 16091123	489470 22732453	4896687	9070536	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 10785413	142104 13420123	395550 19892235	4107052	7647082	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 6148441	55435 7948502	159722 13818690	2012775	4178465	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 6246800	46861 8343313	136968 15149869	1864818	4104191	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 6590225	46409 9009188	134388 16568250	2060431	4404416	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 8898136	95595 11235803	281679 18457704	3250065	6233885	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 4109189	+++++ 5038697	+++++ 8063472	1613618	2967633	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 6455653	+++++ 8506718	+++++ 15220896	2068985	4306560	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 771526	+++++ 974121	+++++ 1062315	206208	440445	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 4105144	+++++ 5549938	41123 9680944	973721	2578741	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 3482315	21199 4561824	70423 5860214	1077440	2199519	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 9951278	+++++ 12509910	106015 21001143	2399063	6577845	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 4130531	6724 5493601	28868 7183636	959669	2584533	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_006.D
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 20-Feb-2014 16:25:30 ALS Bottle#: 2 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-006
Misc. Info.: IC-01
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:44:21 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: daiglep Date: 21-Feb-2014 11:51:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	80	4315	0.1362	
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	93	11812	0.0538	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	54	5383	0.0651	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.400	3.405	-0.005	78	10118	0.0538	
8 Chloromethane	50	3.539	3.539	0.0	67	3697	0.0887	
9 Butane	43	3.759	3.759	0.0	86	3957	0.0720	
10 Vinyl chloride	62	3.796	3.796	0.0	36	2816	0.0493	
11 Butadiene	54	3.876	3.882	-0.006	55	1908	0.0573	
12 Bromomethane	94	4.577	4.577	0.0	90	4477	0.0550	
14 Chloroethane	64	4.823	4.828	-0.005	27	1238	0.0546	
15 2-Methylbutane	43	4.919	4.925	-0.006	70	2204	0.0612	
16 Vinyl bromide	106	5.224	5.235	-0.011	65	4415	0.0500	
17 Trichlorofluoromethane	101	5.353	5.353	0.0	67	9103	0.0363	
18 Pentane	43	5.513	5.508	0.005	78	3617	0.0650	
19 Ethanol	45	5.925	5.925	0.0	55	1103	0.0825	
21 Ethyl ether	59	6.059	6.043	0.016	71	1304	0.0465	
22 Acrolein	56	6.407	6.407	0.0	30	1566	0.1171	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	79	8641	0.0549	
24 1,1-Dichloroethene	96	6.508	6.503	0.005	37	2693	0.0404	
25 Acetone	43	6.733	6.722	0.011	82	23665	0.3847	
26 Carbon disulfide	76	6.888	6.888	0.0	85	8590	0.0526	
27 Isopropyl alcohol	45	7.059	7.038	0.021	45	2980	0.0600	
29 3-Chloro-1-propene	41	7.295	7.305	-0.010	66	2101	0.0477	
30 Acetonitrile	41	7.418	7.402	0.016	78	3253	0.1373	
31 Methylene Chloride	49	7.589	7.600	-0.011	76	3111	0.0629	
32 2-Methyl-2-propanol	59	7.867	7.840	0.027	36	2700	0.0306	
33 Methyl tert-butyl ether	73	8.070	8.044	0.026	55	8419	0.0537	
34 trans-1,2-Dichloroethene	61	8.060	8.060	0.0	52	3717	0.0511	
35 Acrylonitrile	53	8.172	8.188	-0.016	14	1046	0.0391	
36 Hexane	57	8.493	8.493	0.0	66	3139	0.0534	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	8.948	8.948	0.0	39	5256	0.0493	
	38 Vinyl acetate	43	9.049	9.044	0.005	97	4428	0.0430	
	39 cis-1,2-Dichloroethene	96	10.082	10.093	-0.011	61	5485	0.0607	
	40 2-Butanone (MEK)	72	10.141	10.141	0.0	95	3624	0.1187	
S	41 1,2-Dichloroethene, Total	61				0		0.1118	
	42 Ethyl acetate	88		10.216					
*	43 Chlorobromomethane	128	10.558	10.563	-0.005	68	700084	10.0	
	44 Tetrahydrofuran	42	10.606	10.579	0.027	60	2555	0.0539	
	45 Chloroform	83	10.713	10.708	0.005	56	4350	0.0217	
	46 Cyclohexane	84	10.997	10.997	0.0	38	2157	0.0217	
	47 1,1,1-Trichloroethane	97	10.997	11.007	-0.010	75	11495	0.0488	
	48 Carbon tetrachloride	117	11.259	11.275	-0.016	84	13918	0.0464	
	50 Benzene	78	11.740	11.746	-0.006	58	10046	0.0377	
	51 Isooctane	57	11.756	11.767	-0.011	89	16238	0.0511	
	52 1,2-Dichloroethane	62	11.912	11.917	-0.005	67	6501	0.0489	
	53 n-Heptane	43	12.168	12.179	-0.011	71	3667	0.0311	
*	54 1,4-Difluorobenzene	114	12.623	12.628	-0.005	91	3988634	10.0	
	55 n-Butanol	56	13.051	13.019	0.032	64	3211	0.0705	
	56 Trichloroethene	95	13.115	13.115	0.0	75	9623	0.0510	M
A	57 GRO	1	13.297	4.915 -	21.679	0	2532141	0	
	58 1,2-Dichloropropane	63	13.682	13.682	0.0	61	3436	0.0276	
	59 Methyl methacrylate	69		13.886					
	60 1,4-Dioxane	88	13.966	13.918	0.048	65	4612	0.0787	
	61 Dibromomethane	174	13.939	13.939	0.0	87	10147	0.0482	
	62 Dichlorobromomethane	83	14.244	14.249	-0.005	79	7475	0.0240	
A	63 TVOC as Toluene	1	15.022	3.048 -	26.997	0	2791782	9.55	
	64 cis-1,3-Dichloropropene	75	15.234	15.234	0.0	54	9411	0.0444	
	65 4-Methyl-2-pentanone (MIBK)	43	15.555	15.533	0.022	74	7838	0.0402	
A	67 Toluene Range	1	15.854	15.814 -	15.894	0	55010	NC	
	66 Toluene	92	15.854	15.854	0.0	86	15948	0.0565	
A	68 C8 Range	1	15.967	15.917 -	16.017	0	43465	NC	
	69 n-Octane	43	15.956	15.967	-0.011	74	10258	0.0502	
	70 trans-1,3-Dichloropropene	75	16.437	16.443	-0.006	66	9201	0.0427	
	71 1,1,2-Trichloroethane	83	16.812	16.817	-0.005	84	6922	0.0490	
	72 Tetrachloroethene	166	16.967	16.967	0.0	87	14419	0.0475	M
	73 2-Hexanone	43	17.299	17.288	0.011	81	4141	0.0245	
	74 Chlorodibromomethane	129	17.582	17.588	-0.006	77	14016	0.0384	
	75 Ethylene Dibromide	107	17.871	17.866	0.005	85	7321	0.0257	
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	82	3851886	10.0	
	77 Chlorobenzene	112	18.855	18.850	0.005	3	19465	0.0476	
	78 Ethylbenzene	91	19.021	19.016	0.005	85	29407	0.0502	
	79 n-Nonane	57	19.176	19.182	-0.006	76	10756	0.0516	
	80 m-Xylene & p-Xylene	106	19.267	19.273	-0.006	99	24366	0.1017	
S	82 Xylenes, Total	106				0		0.1541	
	83 o-Xylene	106	20.102	20.102	0.0	77	13112	0.0524	
	84 Styrene	104	20.150	20.145	0.005	70	12395	0.0372	
	85 Bromoform	173	20.530	20.530	0.0	85	11162	0.0324	
	86 Isopropylbenzene	105	20.765	20.765	0.0	86	34116	0.0495	
$	87 4-Bromofluorobenzene	95	21.108	21.108	0.0	98	1918455	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.364	21.364	0.0	87	16998	0.0500	
	89 1,2,3-Trichloropropane	75	21.466	21.461	0.005	56	13027	0.0578	
	90 N-Propylbenzene	91	21.466	21.471	-0.005	96	34737	0.0489	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.653	21.653	0.0	85	26640	0.0461
92 2-Chlorotoluene	91	21.659	21.653	0.006	80	24750	0.0515
93 n-Decane	57	21.664	21.669	-0.005	81	12420	0.0585
94 1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	88	27081	0.0474
95 Alpha Methyl Styrene	118	22.108	22.113	-0.005	86	8009	0.0306
96 tert-Butylbenzene	119	22.242	22.242	0.0	83	29749	0.0512
97 1,2,4-Trimethylbenzene	105	22.333	22.333	0.0	90	25200	0.0455
98 sec-Butylbenzene	105	22.557	22.563	-0.006	96	41418	0.0513
99 4-Isopropyltoluene	119	22.761	22.761	0.0	89	32476	0.0484
100 1,3-Dichlorobenzene	146	22.782	22.777	0.005	80	12915	0.0376
101 1,4-Dichlorobenzene	146	22.916	22.910	0.006	87	11906	0.0357
102 Benzyl chloride	91	23.103	23.103	0.0	83	10599	0.0300
103 n-Butylbenzene	91	23.338	23.338	0.0	75	18833	0.0357
104 Undecane	57	23.381	23.381	0.0	59	4903	0.0198
105 1,2-Dichlorobenzene	146	23.451	23.451	0.0	87	12964	0.0340
106 Dodecane	57		25.008				
107 1,2,4-Trichlorobenzene	180	26.008	26.013	-0.005	1	1071	0.005265
108 Hexachlorobutadiene	225	26.222	26.227	-0.005	10	2299	0.0134
109 Naphthalene	128	26.505	26.500	0.005	1	1468	0.003027
110 1,2,3-Trichlorobenzene	180	26.971	26.987	-0.016	1	258	0.001543

QC Flag Legend

Review Flags
M - Manually Integrated

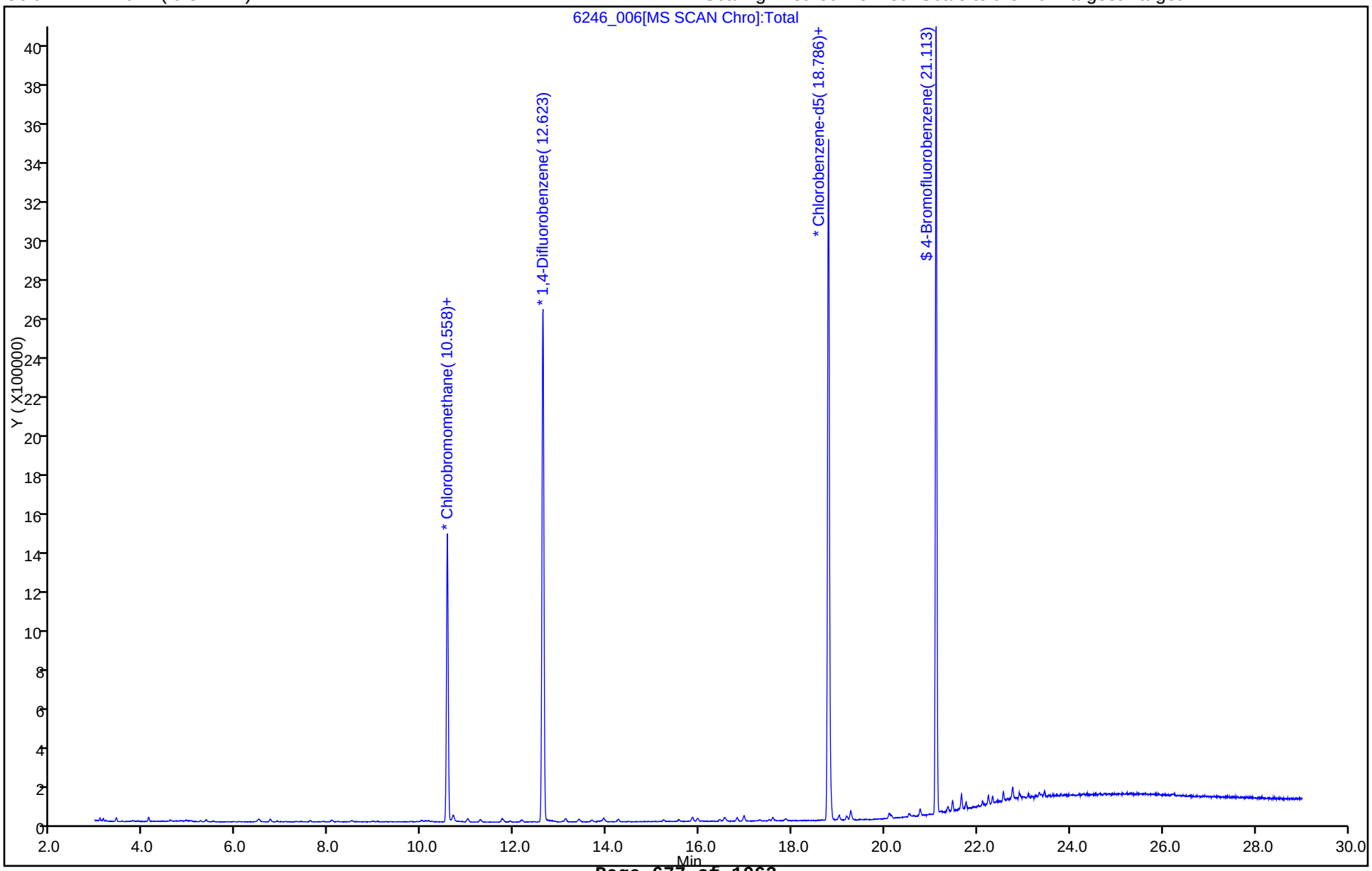
Report Date: 25-Feb-2014 11:44:21 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_006.D

Injection Date:	20-Feb-2014 16:25:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

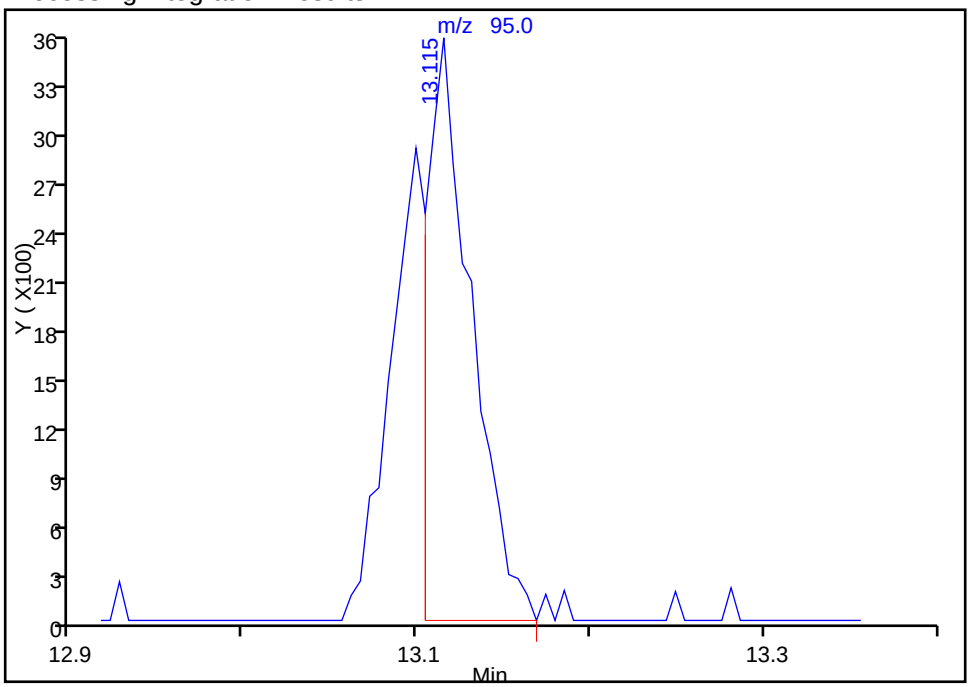
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_006.D				
Injection Date:	20-Feb-2014 16:25:30	Instrument ID:	CHG.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

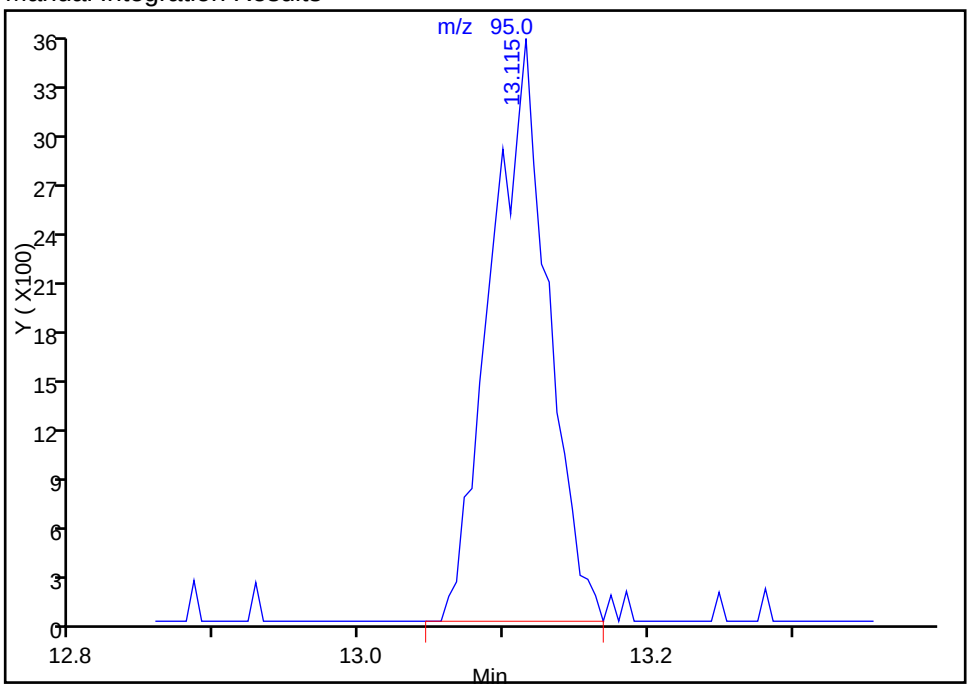
Processing Integration Results

RT: 13.12
Response: 6257
Amount: 0.034312



Manual Integration Results

RT: 13.12
Response: 9623
Amount: 0.050994



Reviewer: daiglep, 21-Feb-2014 11:51:57
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

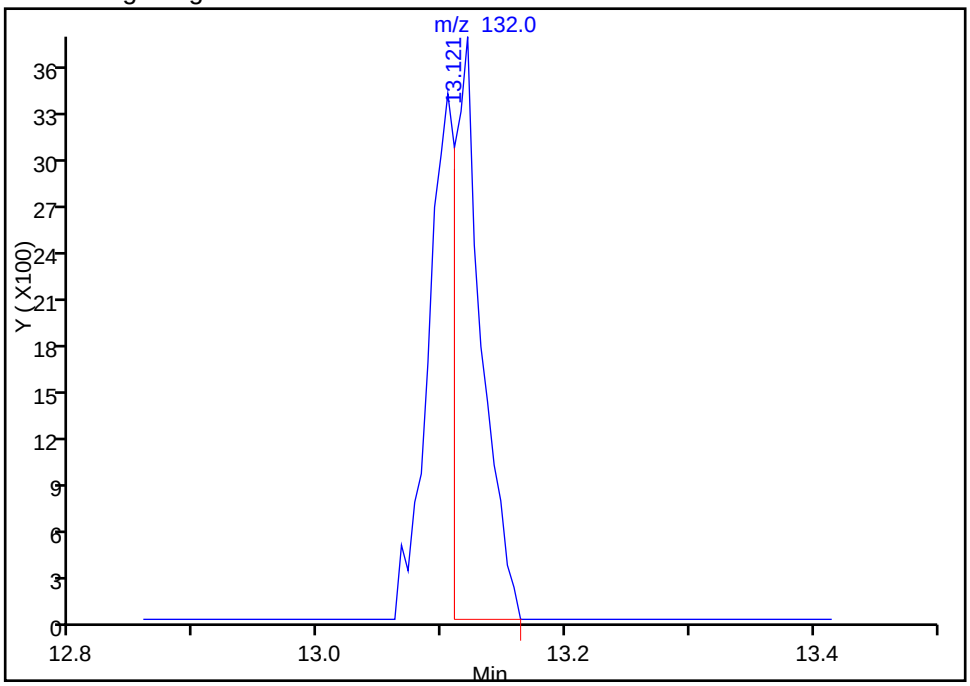
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_006.D				
Injection Date:	20-Feb-2014 16:25:30	Instrument ID:	CHG.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

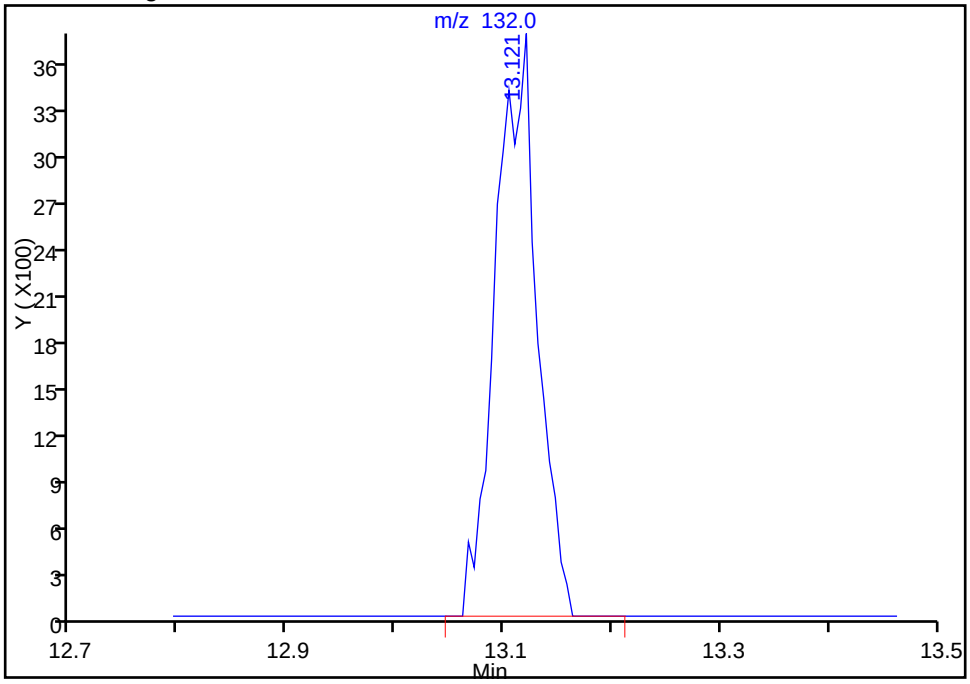
Processing Integration Results

RT: 13.12
Response: 5730
Amount: 0.034312



Manual Integration Results

RT: 13.12
Response: 9937
Amount: 0.050994



Reviewer: daiglep, 21-Feb-2014 11:51:57
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

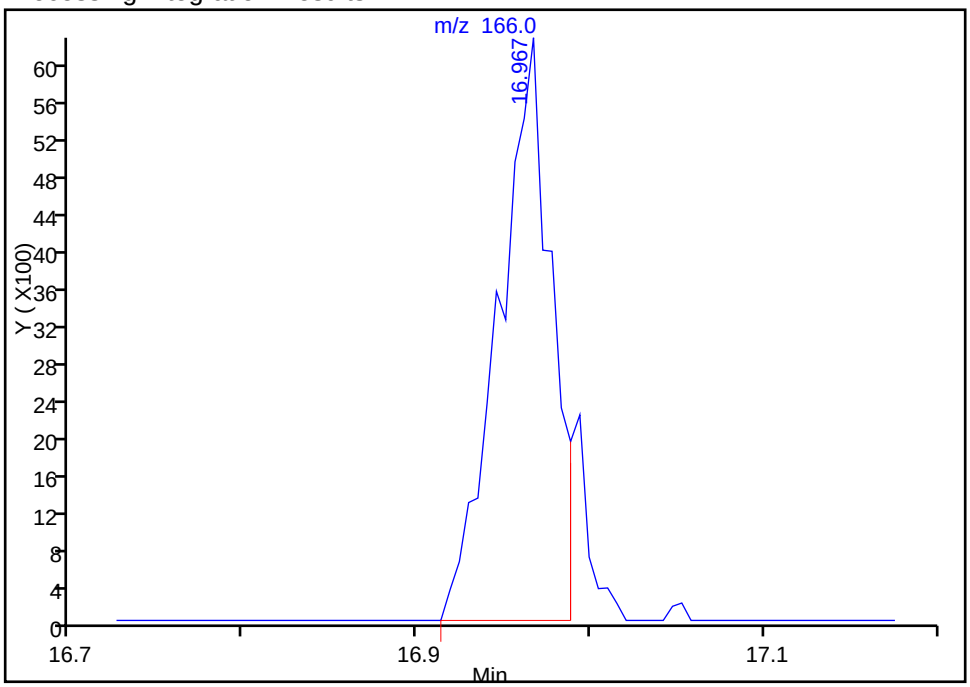
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_006.D				
Injection Date:	20-Feb-2014 16:25:30	Instrument ID:	CHG.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

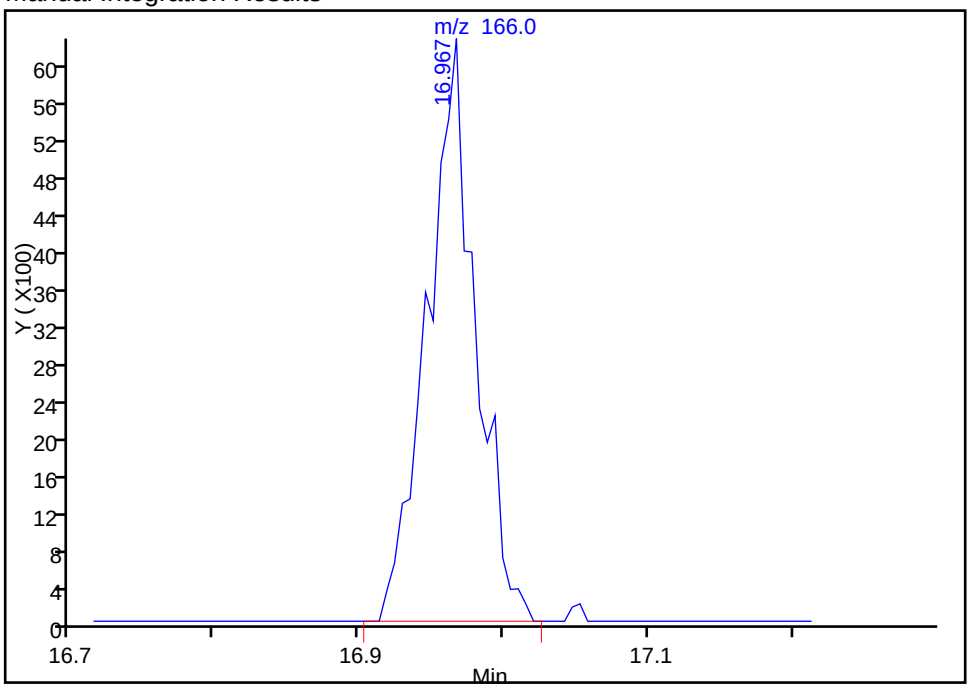
Processing Integration Results

RT: 16.97
Response: 13217
Amount: 0.043344



Manual Integration Results

RT: 16.97
Response: 14419
Amount: 0.047545



Reviewer: daiglep, 21-Feb-2014 11:51:57
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_007.D
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 20-Feb-2014 17:12:30 ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-007
Misc. Info.: IC-02
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:44:24 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: daiglep Date: 21-Feb-2014 11:54:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	92	9932	0.3166	
2 Dichlorodifluoromethane	85	3.133	3.127	0.006	88	50004	0.2299	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	94	20456	0.2499	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.411	3.405	0.006	86	41209	0.2213	
8 Chloromethane	50	3.544	3.539	0.005	97	14138	0.3424	
9 Butane	43	3.758	3.759	-0.001	85	14005	0.2573	
10 Vinyl chloride	62	3.801	3.796	0.005	87	12008	0.2123	
11 Butadiene	54	3.887	3.882	0.005	87	7398	0.2243	
12 Bromomethane	94	4.582	4.577	0.005	92	17238	0.2140	
14 Chloroethane	64	4.834	4.828	0.006	75	5806	0.2585	
15 2-Methylbutane	43	4.930	4.925	0.005	86	8799	0.2469	
16 Vinyl bromide	106	5.230	5.235	-0.005	95	18306	0.2094	
17 Trichlorofluoromethane	101	5.347	5.353	-0.006	83	54407	0.2190	
18 Pentane	43	5.513	5.508	0.005	90	12952	0.2349	
19 Ethanol	45	5.930	5.925	0.005	89	10476	0.7911	
21 Ethyl ether	59	6.053	6.043	0.010	85	6143	0.2214	
22 Acrolein	56	6.417	6.407	0.010	61	5918	0.4470	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	93	34213	0.2195	
24 1,1-Dichloroethene	96	6.498	6.503	-0.005	94	15022	0.2276	
25 Acetone	43	6.733	6.722	0.011	85	95518	1.57	
26 Carbon disulfide	76	6.883	6.888	-0.005	97	34872	0.2158	
27 Isopropyl alcohol	45	7.059	7.038	0.021	88	11154	0.2270	
29 3-Chloro-1-propene	41	7.305	7.305	0.0	72	9237	0.2119	
30 Acetonitrile	41	7.412	7.402	0.010	94	10631	0.4533	
31 Methylene Chloride	49	7.594	7.600	-0.006	82	13559	0.2767	
32 2-Methyl-2-propanol	59	7.856	7.840	0.016	95	16853	0.1930	
33 Methyl tert-butyl ether	73	8.054	8.044	0.010	94	31992	0.2063	
34 trans-1,2-Dichloroethene	61	8.060	8.060	0.0	76	15422	0.2141	
35 Acrylonitrile	53	8.188	8.188	0.0	89	5479	0.2069	M
36 Hexane	57	8.498	8.493	0.005	84	12921	0.2221	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	8.948	8.948	0.0	86	21005	0.1991
	38 Vinyl acetate	43	9.049	9.044	0.005	97	18614	0.1824
	39 cis-1,2-Dichloroethene	96	10.082	10.093	-0.011	85	19187	0.2146
	40 2-Butanone (MEK)	72	10.135	10.141	-0.006	98	13976	0.4624
S	41 1,2-Dichloroethene, Total	61				0		0.4287
	42 Ethyl acetate	88	10.221	10.216	0.005	93	785	0.1714
*	43 Chlorobromomethane	128	10.558	10.563	-0.005	68	693189	10.0
	44 Tetrahydrofuran	42	10.595	10.579	0.016	76	10206	0.2168
	45 Chloroform	83	10.702	10.708	-0.006	96	41579	0.2098
	46 Cyclohexane	84	10.991	10.997	-0.006	63	21357	0.2162
	47 1,1,1-Trichloroethane	97	11.002	11.007	-0.005	88	49882	0.2134
	48 Carbon tetrachloride	117	11.269	11.275	-0.006	94	58162	0.1952
	50 Benzene	78	11.740	11.746	-0.006	93	60856	0.2304
	51 Isooctane	57	11.767	11.767	0.0	98	67023	0.2126
	52 1,2-Dichloroethane	62	11.906	11.917	-0.011	94	28397	0.2154
	53 n-Heptane	43	12.174	12.179	-0.005	90	30950	0.2642
*	54 1,4-Difluorobenzene	114	12.623	12.628	-0.005	91	3958523	10.0
	55 n-Butanol	56	13.040	13.019	0.021	88	12159	0.2690
	56 Trichloroethene	95	13.115	13.115	0.0	92	38256	0.2043
A	57 GRO	1	13.297	4.915 - 21.679		0	10167753	0
	58 1,2-Dichloropropane	63	13.677	13.682	-0.005	90	25800	0.2086
	59 Methyl methacrylate	69	13.880	13.886	-0.006	66	17395	0.1618
	60 1,4-Dioxane	88	13.934	13.918	0.016	40	16244	0.2792
	61 Dibromomethane	174	13.934	13.939	-0.005	93	40138	0.1919
	62 Dichlorobromomethane	83	14.255	14.249	0.006	96	56366	0.1826
A	63 TVOC as Toluene	1	15.022	3.048 - 26.997		0	13401158	46.2
	64 cis-1,3-Dichloropropene	75	15.228	15.234	-0.006	86	39968	0.1901
	65 4-Methyl-2-pentanone (MIBK)	43	15.549	15.533	0.016	92	36730	0.1898
A	67 Toluene Range	1	15.854	15.814 - 15.894		0	233032	NC
	66 Toluene	92	15.849	15.854	-0.005	94	64574	0.2319
A	68 C8 Range	1	15.961	15.917 - 16.017		0	182688	NC
	69 n-Octane	43	15.966	15.967	-0.001	84	44909	0.2216
	70 trans-1,3-Dichloropropene	75	16.443	16.443	0.0	89	39671	0.1853
	71 1,1,2-Trichloroethane	83	16.812	16.817	-0.005	93	30580	0.2192
	72 Tetrachloroethene	166	16.962	16.967	-0.005	97	62640	0.2093
	73 2-Hexanone	43	17.304	17.288	0.016	90	31351	0.1880
	74 Chlorodibromomethane	129	17.587	17.588	-0.001	95	60743	0.1687
	75 Ethylene Dibromide	107	17.866	17.866	0.0	94	53293	0.1898
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	81	3801451	10.0
	77 Chlorobenzene	112	18.850	18.850	0.0	44	84135	0.2083
	78 Ethylbenzene	91	19.010	19.016	-0.006	96	124570	0.2153
	79 n-Nonane	57	19.187	19.182	0.005	83	46544	0.2261
	80 m-Xylene & p-Xylene	106	19.267	19.273	-0.006	99	102596	0.4338
S	82 Xylenes, Total	106				0		0.6503
	83 o-Xylene	106	20.091	20.102	-0.011	81	53436	0.2165
	84 Styrene	104	20.139	20.145	-0.006	96	55566	0.1691
	85 Bromoform	173	20.530	20.530	0.0	96	50174	0.1474
	86 Isopropylbenzene	105	20.765	20.765	0.0	94	145855	0.2146
$	87 4-Bromofluorobenzene	95	21.108	21.108	0.0	98	1925154	NC
	88 1,1,2,2-Tetrachloroethane	83	21.370	21.364	0.006	94	72471	0.2158
	89 1,2,3-Trichloropropane	75	21.461	21.461	0.0	67	50614	0.2275
	90 N-Propylbenzene	91	21.466	21.471	-0.005	98	152735	0.2177

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.653	21.653	0.0	88	117145	0.2052
92 2-Chlorotoluene	91	21.653	21.653	0.0	90	108483	0.2286
93 n-Decane	57	21.669	21.669	0.0	84	55850	0.2666
94 1,3,5-Trimethylbenzene	105	21.755	21.760	-0.005	92	120819	0.2141
95 Alpha Methyl Styrene	118	22.108	22.113	-0.005	92	37350	0.1445
96 tert-Butylbenzene	119	22.236	22.242	-0.006	93	125760	0.2195
97 1,2,4-Trimethylbenzene	105	22.327	22.333	-0.006	93	112524	0.2060
98 sec-Butylbenzene	105	22.563	22.563	0.0	99	177526	0.2229
99 4-Isopropyltoluene	119	22.761	22.761	0.0	95	142104	0.2147
100 1,3-Dichlorobenzene	146	22.777	22.777	0.0	97	55435	0.1634
101 1,4-Dichlorobenzene	146	22.910	22.910	0.0	95	46861	0.1423
102 Benzyl chloride	91	23.103	23.103	0.0	95	46409	0.1329
103 n-Butylbenzene	91	23.338	23.338	0.0	93	95595	0.1835
104 Undecane	57	23.381	23.381	0.0	88	43734	0.1791
105 1,2-Dichlorobenzene	146	23.451	23.451	0.0	95	58851	0.1564
106 Dodecane	57		25.008				
107 1,2,4-Trichlorobenzene	180	26.008	26.013	-0.005	60	12394	0.0617
108 Hexachlorobutadiene	225	26.227	26.227	0.0	87	21199	0.1251
109 Naphthalene	128	26.505	26.500	0.005	89	27183	0.0568
110 1,2,3-Trichlorobenzene	180	27.003	26.987	0.016	16	6724	0.0408

QC Flag Legend

Review Flags
M - Manually Integrated

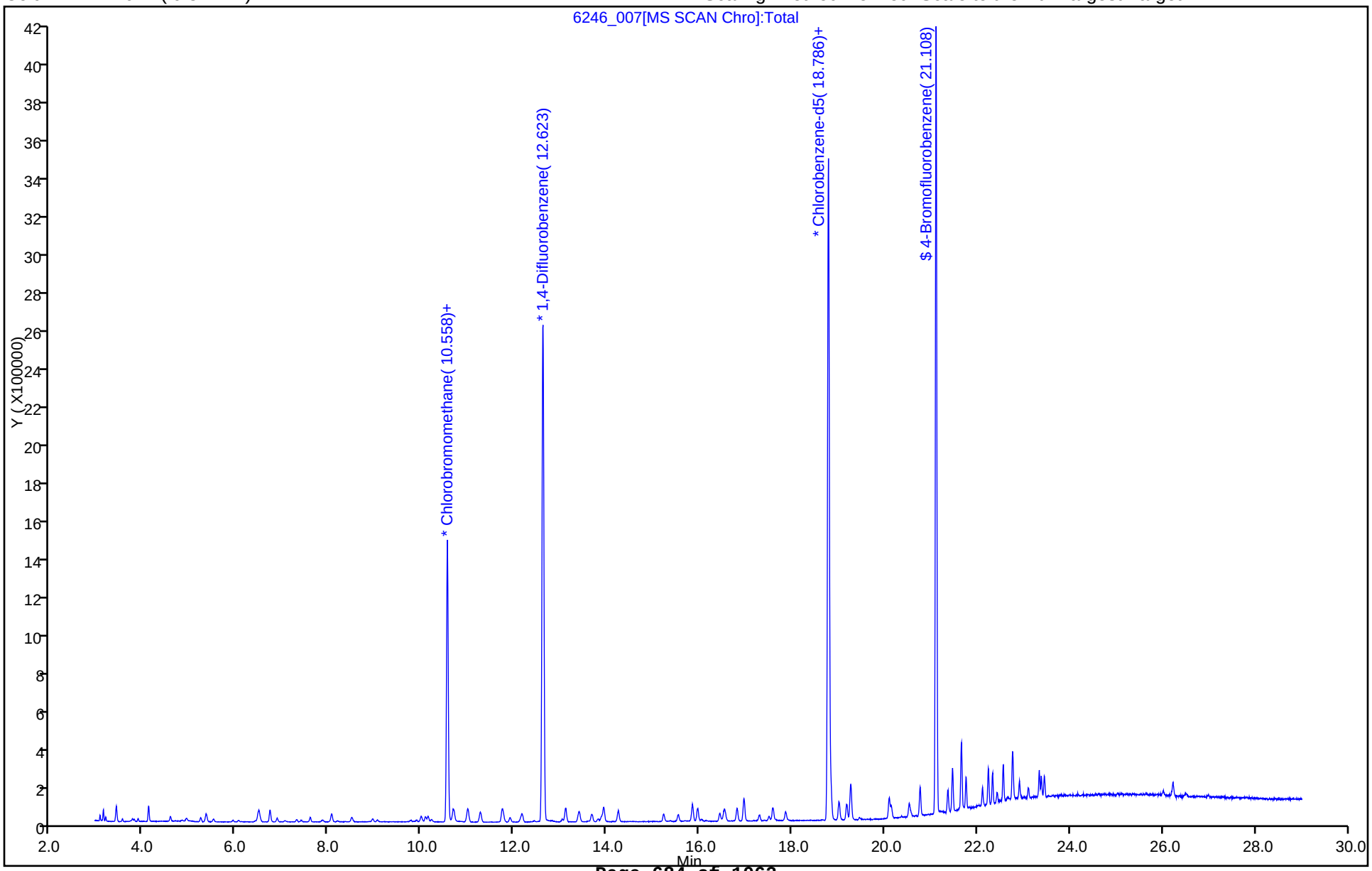
Report Date: 25-Feb-2014 11:44:25 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_007.D

Injection Date:	20-Feb-2014 17:12:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

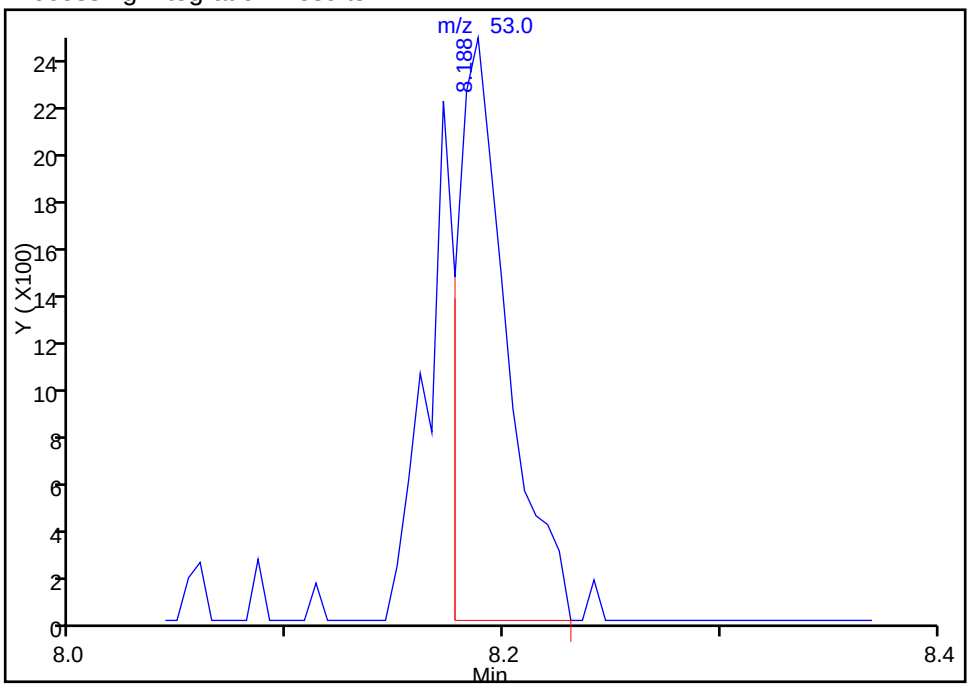
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_007.D				
Injection Date:	20-Feb-2014 17:12:30	Instrument ID:	CHG.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

35 Acrylonitrile, CAS: 107-13-1

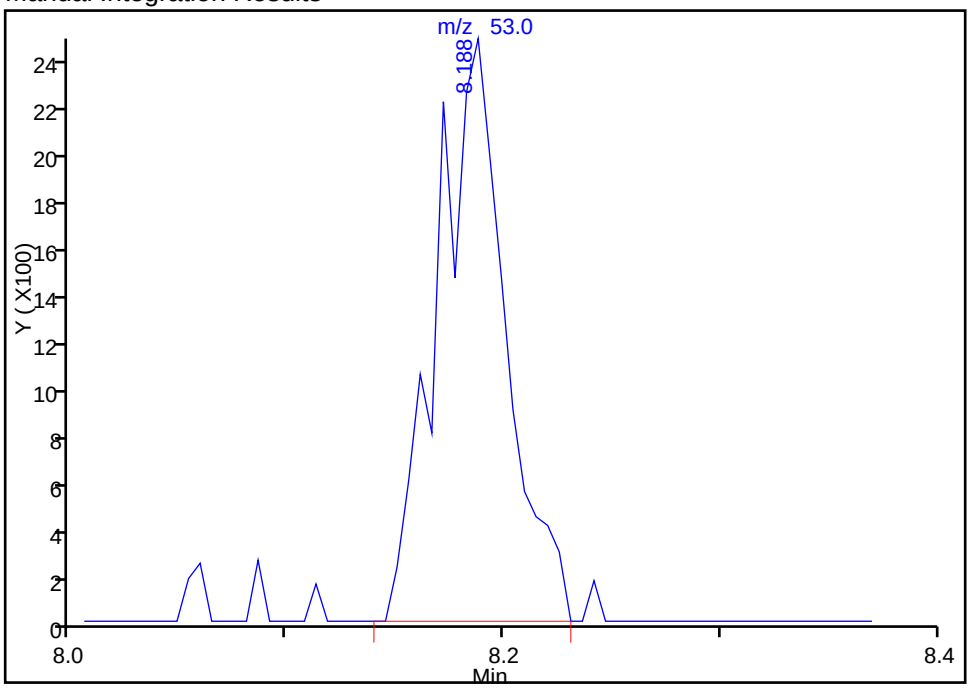
Processing Integration Results

RT: 8.19
Response: 3915
Amount: 0.147855



Manual Integration Results

RT: 8.19
Response: 5479
Amount: 0.206921



Reviewer: daiglep, 21-Feb-2014 11:54:02
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

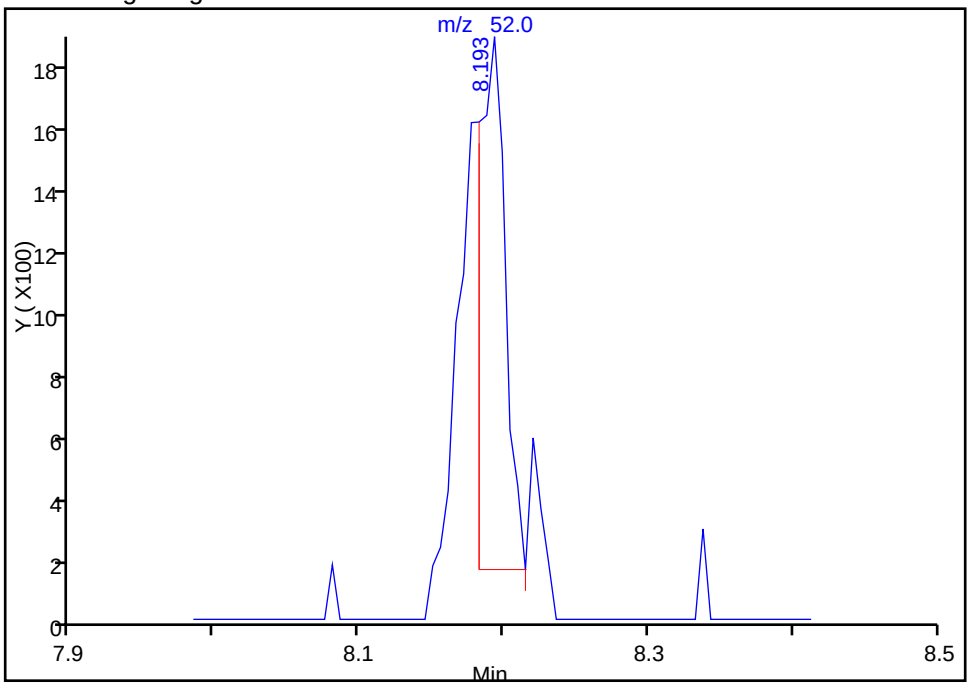
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_007.D				
Injection Date:	20-Feb-2014 17:12:30	Instrument ID:	CHG.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	bl	ALS Bottle#:	2	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

35 Acrylonitrile, CAS: 107-13-1

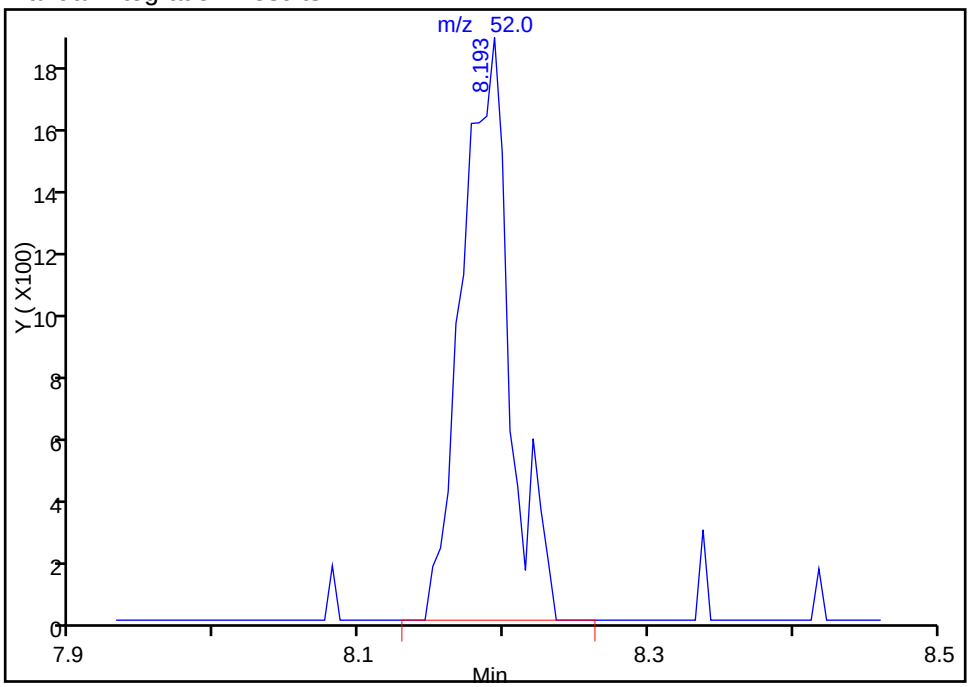
Processing Integration Results

RT: 8.19
Response: 2101
Amount: 0.147855



Manual Integration Results

RT: 8.19
Response: 4216
Amount: 0.206921



Reviewer: daiglep, 21-Feb-2014 11:54:02
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Report Date: 25-Feb-2014 11:44:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_008.D
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 20-Feb-2014 17:59:30 ALS Bottle#: 3 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-008
Misc. Info.: IC-03
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:44:27 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: daiglep Date: 21-Feb-2014 11:55:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	92	18540	0.5889	
2 Dichlorodifluoromethane	85	3.132	3.127	0.005	88	129063	0.5913	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	93	48538	0.5907	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	88	109804	0.5874	
8 Chloromethane	50	3.539	3.539	0.0	97	25172	0.6075	
9 Butane	43	3.764	3.759	0.005	97	33049	0.6051	
10 Vinyl chloride	62	3.796	3.796	0.0	97	31954	0.5629	
11 Butadiene	54	3.881	3.882	-0.001	92	18097	0.5466	
12 Bromomethane	94	4.582	4.577	0.005	96	46205	0.5717	
14 Chloroethane	64	4.828	4.828	0.0	95	13315	0.5907	
15 2-Methylbutane	43	4.919	4.925	-0.006	85	20397	0.5704	
16 Vinyl bromide	106	5.235	5.235	0.0	95	48611	0.5539	
17 Trichlorofluoromethane	101	5.347	5.353	-0.006	95	143623	0.5761	
18 Pentane	43	5.508	5.508	0.0	96	31896	0.5764	
19 Ethanol	45	5.925	5.925	0.0	95	72194	5.43	
21 Ethyl ether	59	6.048	6.043	0.005	96	14683	0.5272	
22 Acrolein	56	6.406	6.407	-0.001	75	8258	0.6214	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.481	6.476	0.005	95	89704	0.5734	
24 1,1-Dichloroethene	96	6.497	6.503	-0.006	92	38323	0.5786	
25 Acetone	43	6.733	6.722	0.011	85	81985	1.34	
26 Carbon disulfide	76	6.888	6.888	0.0	98	89006	0.5487	
27 Isopropyl alcohol	45	7.048	7.038	0.010	96	26485	0.5369	
29 3-Chloro-1-propene	41	7.305	7.305	0.0	79	23682	0.5412	
30 Acetonitrile	41	7.396	7.402	-0.006	96	16130	0.6853	
31 Methylene Chloride	49	7.594	7.600	-0.006	80	29735	0.6046	
32 2-Methyl-2-propanol	59	7.846	7.840	0.006	97	44674	0.5097	
33 Methyl tert-butyl ether	73	8.049	8.044	0.005	94	85180	0.5472	
34 trans-1,2-Dichloroethene	61	8.060	8.060	0.0	86	40916	0.5660	
35 Acrylonitrile	53	8.177	8.188	-0.011	91	13855	0.5214	
36 Hexane	57	8.488	8.493	-0.005	88	32294	0.5531	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	8.942	8.948 -0.006	97	57010	0.5384	
	38 Vinyl acetate	43	9.044	9.044 0.0	99	52203	0.5096	
	39 cis-1,2-Dichloroethene	96	10.087	10.093 -0.006	85	50426	0.5620	
	40 2-Butanone (MEK)	72	10.135	10.141 -0.006	99	20463	0.6745	
S	41 1,2-Dichloroethene, Total	61			0		1.13	
	42 Ethyl acetate	88	10.221	10.216 0.005	96	2503	0.5445	
*	43 Chlorobromomethane	128	10.558	10.563 -0.005	69	695710	10.0	
	44 Tetrahydrofuran	42	10.585	10.579 0.006	49	26382	0.5601	
	45 Chloroform	83	10.702	10.708 -0.006	99	114228	0.5743	
	46 Cyclohexane	84	11.002	10.997 0.005	63	57411	0.5808	
	47 1,1,1-Trichloroethane	97	11.007	11.007 0.0	93	131103	0.5606	
	48 Carbon tetrachloride	117	11.269	11.275 -0.006	97	156994	0.5265	
	50 Benzene	78	11.740	11.746 -0.006	95	154653	0.5852	
	51 Isooctane	57	11.751	11.767 -0.016	97	184696	0.5857	
	52 1,2-Dichloroethane	62	11.911	11.917 -0.006	99	72082	0.5463	
	53 n-Heptane	43	12.173	12.179 -0.006	84	65839	0.5618	
*	54 1,4-Difluorobenzene	114	12.623	12.628 -0.005	91	3960662	10.0	
	55 n-Butanol	56	13.040	13.019 0.021	83	22919	0.5067	
	56 Trichloroethene	95	13.110	13.115 -0.005	96	102297	0.5459	
A	57 GRO	1	13.297	4.915 - 21.679	0	24747907	0	
	58 1,2-Dichloropropane	63	13.677	13.682 -0.005	90	70446	0.5693	
	59 Methyl methacrylate	69	13.891	13.886 0.005	79	49923	0.4640	
	60 1,4-Dioxane	88	13.928	13.918 0.010	42	34891	0.5994	
	61 Dibromomethane	174	13.939	13.939 0.0	94	108460	0.5183	
	62 Dichlorobromomethane	83	14.254	14.249 0.005	97	161476	0.5227	
A	63 TVOC as Toluene	1	15.022	3.048 - 26.997	0	35400867	122.0	
	64 cis-1,3-Dichloropropene	75	15.233	15.234 -0.001	87	110337	0.5246	
	65 4-Methyl-2-pentanone (MIBK)	43	15.544	15.533 0.011	93	100890	0.5212	
	66 Toluene	92	15.854	15.854 0.0	93	165800	0.5846	
	69 n-Octane	43	15.961	15.967 -0.006	85	121271	0.5981	
	70 trans-1,3-Dichloropropene	75	16.437	16.443 -0.006	92	106208	0.4958	
	71 1,1,2-Trichloroethane	83	16.812	16.817 -0.005	95	83539	0.5880	
	72 Tetrachloroethene	166	16.961	16.967 -0.006	97	164090	0.5383	
	73 2-Hexanone	43	17.293	17.288 0.005	91	82281	0.4845	
	74 Chlorodibromomethane	129	17.587	17.588 -0.001	97	182005	0.4964	
	75 Ethylene Dibromide	107	17.860	17.866 -0.006	100	151583	0.5300	
*	76 Chlorobenzene-d5	117	18.786	18.786 0.0	82	3871506	10.0	
	77 Chlorobenzene	112	18.845	18.850 -0.005	76	232809	0.5659	
	78 Ethylbenzene	91	19.016	19.016 0.0	97	338982	0.5754	
	79 n-Nonane	57	19.187	19.182 0.005	84	126136	0.6017	
	80 m-Xylene & p-Xylene	106	19.267	19.273 -0.006	100	284857	1.18	
S	82 Xylenes, Total	106			0		1.75	
	83 o-Xylene	106	20.102	20.102 0.0	95	141475	0.5627	
	84 Styrene	104	20.145	20.145 -0.001	97	158543	0.4737	
	85 Bromoform	173	20.530	20.530 0.0	97	148133	0.4272	
	86 Isopropylbenzene	105	20.765	20.765 0.0	94	403696	0.5831	
$	87 4-Bromofluorobenzene	95	21.107	21.108 -0.001	99	2023918	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.364	21.364 0.0	96	197660	0.5780	
	89 1,2,3-Trichloropropane	75	21.461	21.461 0.0	96	138895	0.6131	
	90 N-Propylbenzene	91	21.471	21.471 0.0	99	422680	0.5917	
	91 4-Ethyltoluene	105	21.653	21.653 0.0	89	349454	0.6011	
	92 2-Chlorotoluene	91	21.653	21.653 0.0	89	305303	0.6318	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane	57	21.664	21.669	-0.005	84	155046	0.7266
94 1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	93	327327	0.5696
95 Alpha Methyl Styrene	118	22.113	22.113	0.0	93	114920	0.4365
96 tert-Butylbenzene	119	22.236	22.242	-0.006	89	342819	0.5875
97 1,2,4-Trimethylbenzene	105	22.327	22.333	-0.006	96	306178	0.5505
98 sec-Butylbenzene	105	22.557	22.563	-0.006	99	489470	0.6034
99 4-Isopropyltoluene	119	22.761	22.761	0.0	94	395550	0.5869
100 1,3-Dichlorobenzene	146	22.777	22.777	0.0	98	159722	0.4623
101 1,4-Dichlorobenzene	146	22.910	22.910	0.0	96	136968	0.4083
102 Benzyl chloride	91	23.103	23.103	0.0	99	134388	0.3779
103 n-Butylbenzene	91	23.338	23.338	0.0	90	281679	0.5309
104 Undecane	57	23.381	23.381	0.0	92	138066	0.5552
105 1,2-Dichlorobenzene	146	23.451	23.451	0.0	98	168371	0.4393
106 Dodecane	57		25.008				
107 1,2,4-Trichlorobenzene	180	26.013	26.013	0.0	90	41123	0.2011
108 Hexachlorobutadiene	225	26.222	26.227	-0.005	88	70423	0.4080
109 Naphthalene	128	26.505	26.500	0.005	98	106015	0.2175
110 1,2,3-Trichlorobenzene	180	26.987	26.987	0.0	87	28868	0.1718

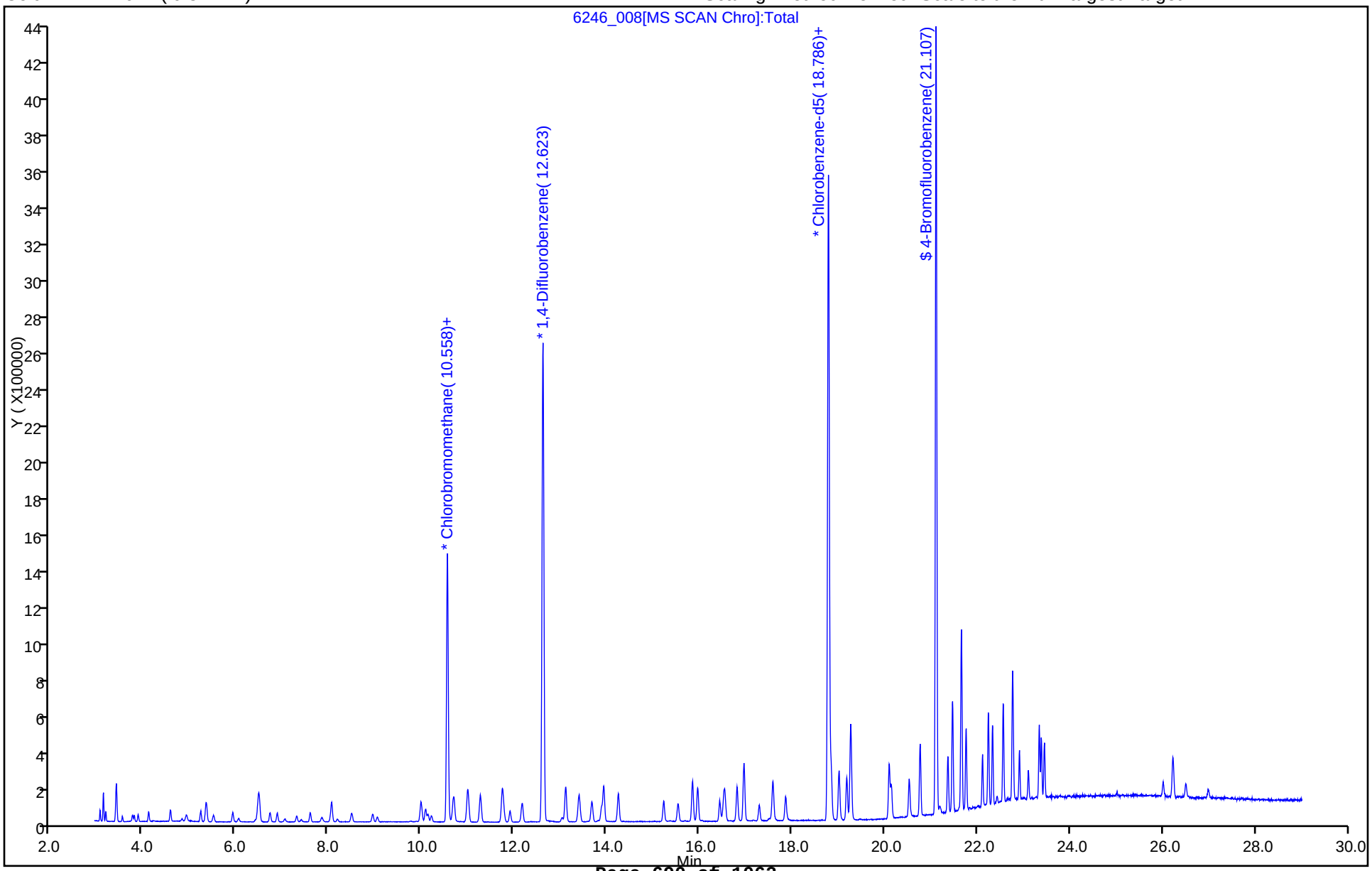
Report Date: 25-Feb-2014 11:44:28 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_008.D

Injection Date:	20-Feb-2014 17:59:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_009.D
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 20-Feb-2014 18:46:30 ALS Bottle#: 4 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-009
Misc. Info.: IC-04
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:44:30 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: daiglep Date: 21-Feb-2014 11:56:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	97	151117	4.85	
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	99	1208772	5.60	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	94	451729	5.55	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	89	1017902	5.50	
8 Chloromethane	50	3.539	3.539	0.0	99	225318	5.49	
9 Butane	43	3.758	3.759	-0.001	97	300548	5.56	
10 Vinyl chloride	62	3.796	3.796	0.0	97	292452	5.20	
11 Butadiene	54	3.881	3.882	-0.001	93	178903	5.46	
12 Bromomethane	94	4.577	4.577	0.0	98	433178	5.41	
14 Chloroethane	64	4.828	4.828	0.0	99	120029	5.38	
15 2-Methylbutane	43	4.919	4.925	-0.006	86	184884	5.22	
16 Vinyl bromide	106	5.229	5.235	-0.006	97	467389	5.38	
17 Trichlorofluoromethane	101	5.353	5.353	0.0	98	1336944	5.42	
18 Pentane	43	5.508	5.508	0.0	93	302081	5.52	
19 Ethanol	45	5.920	5.925	-0.005	96	136094	10.3	
21 Ethyl ether	59	6.043	6.043	0.0	95	148478	5.39	
22 Acrolein	56	6.401	6.407	-0.006	97	72770	5.53	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.481	6.476	0.005	95	840163	5.43	
24 1,1-Dichloroethene	96	6.497	6.503	-0.006	92	352045	5.37	
25 Acetone	43	6.722	6.722	0.0	86	323029	5.34	
26 Carbon disulfide	76	6.883	6.888	-0.005	98	853634	5.32	
27 Isopropyl alcohol	45	7.038	7.038	0.0	98	285338	5.84	
29 3-Chloro-1-propene	41	7.305	7.305	0.0	83	234040	5.40	
30 Acetonitrile	41	7.401	7.402	-0.001	97	131243	5.63	
31 Methylene Chloride	49	7.599	7.600	-0.001	83	266067	5.47	
32 2-Methyl-2-propanol	59	7.835	7.840	-0.005	98	496490	5.72	
33 Methyl tert-butyl ether	73	8.043	8.044	-0.001	94	834114	5.41	
34 trans-1,2-Dichloroethene	61	8.059	8.060	-0.001	87	392851	5.49	
35 Acrylonitrile	53	8.188	8.188	0.0	93	140952	5.36	
36 Hexane	57	8.493	8.493	0.0	91	307913	5.33	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	8.942	8.948	-0.006	99	554518	5.29
	38 Vinyl acetate	43	9.044	9.044	0.0	99	552395	5.45
	39 cis-1,2-Dichloroethene	96	10.087	10.093	-0.006	92	470673	5.30
	40 2-Butanone (MEK)	72	10.141	10.141	-0.001	98	153510	5.11
S	41 1,2-Dichloroethene, Total	61				0		10.8
	42 Ethyl acetate	88	10.215	10.216	-0.001	98	24618	5.41
*	43 Chlorobromomethane	128	10.563	10.563	0.0	68	688650	10.0
	44 Tetrahydrofuran	42	10.585	10.579	0.006	84	262302	5.59
	45 Chloroform	83	10.708	10.708	0.0	99	1075112	5.46
	46 Cyclohexane	84	10.991	10.997	-0.006	84	533914	5.43
	47 1,1,1-Trichloroethane	97	11.007	11.007	0.0	93	1263234	5.43
	48 Carbon tetrachloride	117	11.275	11.275	0.0	96	1570962	5.29
	50 Benzene	78	11.745	11.746	-0.001	94	1425155	5.42
	51 Isooctane	57	11.761	11.767	-0.006	98	1749112	5.57
	52 1,2-Dichloroethane	62	11.917	11.917	0.0	99	709813	5.40
	53 n-Heptane	43	12.173	12.179	-0.006	86	622697	5.34
*	54 1,4-Difluorobenzene	114	12.623	12.628	-0.005	91	3942454	10.0
	55 n-Butanol	56	13.019	13.019	0.0	85	245970	5.46
	56 Trichloroethene	95	13.110	13.115	-0.005	95	971312	5.21
A	57 GRO	1	13.297	4.915 - 21.679		0	230917399	0
	58 1,2-Dichloropropane	63	13.682	13.682	0.0	92	687104	5.58
	59 Methyl methacrylate	69	13.885	13.886	-0.001	80	599107	5.59
	60 1,4-Dioxane	88	13.923	13.918	0.005	85	363088	6.27
	61 Dibromomethane	174	13.939	13.939	0.0	94	1115046	5.35
	62 Dichlorobromomethane	83	14.249	14.249	0.0	98	1716250	5.58
A	63 TVOC as Toluene	1	15.022	3.048 - 26.997		0	360433426	1247.9
	64 cis-1,3-Dichloropropene	75	15.233	15.234	-0.001	87	1150002	5.49
	65 4-Methyl-2-pentanone (MIBK)	43	15.533	15.533	0.0	93	1090848	5.66
A	67 Toluene Range	1	15.854	15.814 - 15.894		0	5763228	NC
	66 Toluene	92	15.854	15.854	0.0	94	1590379	5.37
A	68 C8 Range	1	15.967	15.917 - 16.017		0	4948147	NC
	69 n-Octane	43	15.961	15.967	-0.006	87	1135415	5.63
	70 trans-1,3-Dichloropropene	75	16.442	16.443	-0.001	93	1168774	5.48
	71 1,1,2-Trichloroethane	83	16.817	16.817	0.0	95	811215	5.47
	72 Tetrachloroethene	166	16.961	16.967	-0.006	97	1627552	5.11
	73 2-Hexanone	43	17.288	17.288	0.0	93	1005814	5.67
	74 Chlorodibromomethane	129	17.587	17.588	-0.001	97	2125782	5.55
	75 Ethylene Dibromide	107	17.865	17.866	-0.001	99	1632564	5.47
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	82	4041821	10.0
	77 Chlorobenzene	112	18.850	18.850	0.0	98	2316460	5.39
	78 Ethylbenzene	91	19.016	19.016	0.0	97	3378545	5.49
	79 n-Nonane	57	19.182	19.182	0.0	83	1241178	5.67
	80 m-Xylene & p-Xylene	106	19.267	19.273	-0.006	99	2800392	11.1
S	82 Xylenes, Total	106				0		16.7
	83 o-Xylene	106	20.102	20.102	0.0	95	1448848	5.52
	84 Styrene	104	20.144	20.145	-0.001	97	1977497	5.66
	85 Bromoform	173	20.530	20.530	0.0	98	2041252	5.64
	86 Isopropylbenzene	105	20.765	20.765	0.0	94	4040344	5.59
$	87 4-Bromofluorobenzene	95	21.107	21.108	-0.001	98	2372950	NC
	88 1,1,2,2-Tetrachloroethane	83	21.364	21.364	0.0	98	2029661	5.68
	89 1,2,3-Trichloropropane	75	21.460	21.461	-0.001	97	1391625	5.88
	90 N-Propylbenzene	91	21.471	21.471	0.0	99	4335173	5.81

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.653	21.653	0.0	89	3601019	5.93
92 2-Chlorotoluene	91	21.653	21.653	0.0	88	2966781	5.88
93 n-Decane	57	21.669	21.669	0.0	83	1387088	6.23
94 1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	93	3339306	5.57
95 Alpha Methyl Styrene	118	22.113	22.113	0.0	90	1589678	5.78
96 tert-Butylbenzene	119	22.242	22.242	0.0	91	3396541	5.58
97 1,2,4-Trimethylbenzene	105	22.332	22.333	-0.001	96	3275586	5.64
98 sec-Butylbenzene	105	22.563	22.563	0.0	99	4896687	5.78
99 4-Isopropyltoluene	119	22.760	22.761	-0.001	95	4107052	5.84
100 1,3-Dichlorobenzene	146	22.777	22.777	-0.001	98	2012775	5.58
101 1,4-Dichlorobenzene	146	22.910	22.910	0.0	96	1864818	5.32
102 Benzyl chloride	91	23.103	23.103	0.0	100	2060431	5.55
103 n-Butylbenzene	91	23.338	23.338	0.0	90	3250065	5.87
104 Undecane	57	23.381	23.381	0.0	91	1613618	6.22
105 1,2-Dichlorobenzene	146	23.451	23.451	0.0	98	2068985	5.17
106 Dodecane	57	25.007	25.008	-0.001	92	206208	5.06
107 1,2,4-Trichlorobenzene	180	26.013	26.013	0.0	94	973721	4.56
108 Hexachlorobutadiene	225	26.227	26.227	0.0	92	1077440	5.98
109 Naphthalene	128	26.505	26.500	0.005	99	2399063	4.71
110 1,2,3-Trichlorobenzene	180	26.987	26.987	0.0	96	959669	5.47

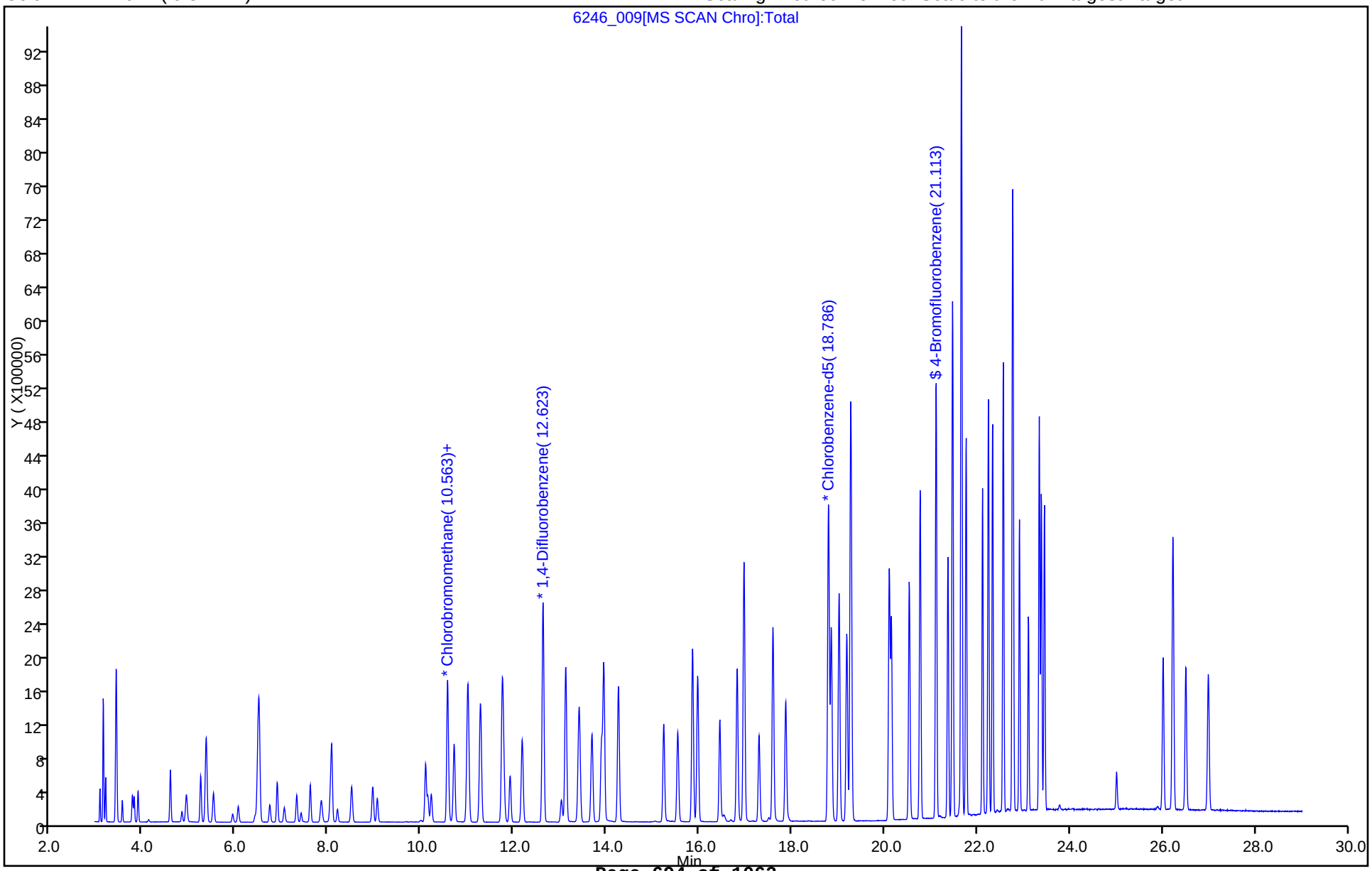
Report Date: 25-Feb-2014 11:44:31 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_009.D

Injection Date:	20-Feb-2014 18:46:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_010.D
Lims ID: ICIS Lab Sample ID:
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 20-Feb-2014 19:33:30 ALS Bottle#: 5 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-010
Misc. Info.: IC-05
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:43:55 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	98	286297	8.84	
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	99	2259292	10.1	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	82	855933	10.1	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	89	1904928	9.91	
8 Chloromethane	50	3.539	3.539	0.0	99	420154	9.86	
9 Butane	43	3.759	3.759	0.0	97	559089	9.95	
10 Vinyl chloride	62	3.796	3.796	0.0	98	556751	9.54	
11 Butadiene	54	3.882	3.882	0.0	92	339253	9.97	
12 Bromomethane	94	4.577	4.577	0.0	99	823346	9.91	
14 Chloroethane	64	4.828	4.828	0.0	99	229705	9.91	
15 2-Methylbutane	43	4.925	4.925	0.0	87	349976	9.52	
16 Vinyl bromide	106	5.235	5.235	0.0	97	892749	9.89	
17 Trichlorofluoromethane	101	5.353	5.353	0.0	98	2520532	9.83	
18 Pentane	43	5.508	5.508	0.0	93	566844	9.96	
19 Ethanol	45	5.925	5.925	0.0	95	212163	15.5	
21 Ethyl ether	59	6.043	6.043	0.0	94	283148	9.89	
22 Acrolein	56	6.407	6.407	0.0	95	137856	10.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	94	1583677	9.85	
24 1,1-Dichloroethene	96	6.503	6.503	0.0	92	662295	9.73	
25 Acetone	43	6.722	6.722	0.0	86	795436	12.7	
26 Carbon disulfide	76	6.888	6.888	0.0	98	1640891	9.84	
27 Isopropyl alcohol	45	7.038	7.038	0.0	98	549210	10.8	
29 3-Chloro-1-propene	41	7.305	7.305	0.0	83	450082	10.0	
30 Acetonitrile	41	7.402	7.402	0.0	97	248568	10.3	
31 Methylene Chloride	49	7.600	7.600	0.0	81	501054	9.91	
32 2-Methyl-2-propanol	59	7.840	7.840	0.0	98	960229	10.7	
33 Methyl tert-butyl ether	73	8.044	8.044	0.0	93	1607772	10.0	
34 trans-1,2-Dichloroethene	61	8.060	8.060	0.0	88	738091	9.93	
35 Acrylonitrile	53	8.188	8.188	0.0	94	276821	10.1	
36 Hexane	57	8.493	8.493	0.0	91	589981	9.83	
37 1,1-Dichloroethane	63	8.948	8.948	0.0	99	1043330	9.58	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	38 Vinyl acetate	43	9.044	9.044 0.0	99	1081527	10.3	
	39 cis-1,2-Dichloroethene	96	10.093	10.093 0.0	91	906927	9.83	
	40 2-Butanone (MEK)	72	10.141	10.141 0.0	95	301345	9.66	
S	41 1,2-Dichloroethene, Total	61			0		19.8	
	42 Ethyl acetate	88	10.216	10.216 0.0	90	49181	10.4	
*	43 Chlorobromomethane	128	10.563	10.563 0.0	67	715346	10.0	
	44 Tetrahydrofuran	42	10.579	10.579 0.0	85	499970	10.4	
	45 Chloroform	83	10.708	10.708 0.0	99	2032630	9.94	
	46 Cyclohexane	84	10.997	10.997 0.0	60	997051	9.89	
	47 1,1,1-Trichloroethane	97	11.007	11.007 0.0	93	2387389	10.0	
	48 Carbon tetrachloride	117	11.275	11.275 0.0	96	3020168	9.93	
	50 Benzene	78	11.746	11.746 0.0	94	2647780	9.82	
	51 Isooctane	57	11.767	11.767 0.0	98	3226416	10.0	
	52 1,2-Dichloroethane	62	11.917	11.917 0.0	99	1342503	9.97	
	53 n-Heptane	43	12.179	12.179 0.0	85	1141680	9.55	
*	54 1,4-Difluorobenzene	114	12.628	12.628 0.0	91	4040627	10.0	
	55 n-Butanol	56	13.019	13.019 0.0	85	505897	11.0	
	56 Trichloroethene	95	13.115	13.115 0.0	93	1844608	9.65	
A	57 GRO	1	13.297	4.915 - 21.679	0	435114122	0	
	58 1,2-Dichloropropane	63	13.682	13.682 0.0	91	1278379	10.1	
	59 Methyl methacrylate	69	13.886	13.886 0.0	79	1176380	10.7	
	60 1,4-Dioxane	88	13.918	13.918 0.0	59	680611	11.5	
	61 Dibromomethane	174	13.939	13.939 0.0	92	2215033	10.4	
	62 Dichlorobromomethane	83	14.249	14.249 0.0	97	3300205	10.5	
A	63 TVOC as Toluene	1	15.022	3.048 - 26.997	0	694831478	2347.3	
	64 cis-1,3-Dichloropropene	75	15.234	15.234 0.0	87	2221070	10.4	
	65 4-Methyl-2-pentanone (MIBK)	43	15.533	15.533 0.0	93	2051108	10.4	
	66 Toluene	92	15.854	15.854 0.0	92	2998194	9.76	
	69 n-Octane	43	15.967	15.967 0.0	84	2058389	9.95	
	70 trans-1,3-Dichloropropene	75	16.443	16.443 0.0	93	2292877	10.5	
	71 1,1,2-Trichloroethane	83	16.817	16.817 0.0	95	1529284	9.94	
	72 Tetrachloroethene	166	16.967	16.967 0.0	97	3202244	9.70	
	73 2-Hexanone	43	17.288	17.288 0.0	93	1928485	10.5	
	74 Chlorodibromomethane	129	17.588	17.588 0.0	97	4251148	10.7	
	75 Ethylene Dibromide	107	17.866	17.866 0.0	99	3217385	10.4	
*	76 Chlorobenzene-d5	117	18.786	18.786 0.0	81	4191149	10.0	
	77 Chlorobenzene	112	18.850	18.850 0.0	93	4481775	10.1	
	78 Ethylbenzene	91	19.016	19.016 0.0	96	6427281	10.1	
	79 n-Nonane	57	19.182	19.182 0.0	82	2261097	9.96	
	80 m-Xylene & p-Xylene	106	19.273	19.273 0.0	99	5235134	20.1	
S	82 Xylenes, Total	106			0		30.2	
	83 o-Xylene	106	20.102	20.102 0.0	95	2747243	10.1	
	84 Styrene	104	20.145	20.145 0.0	98	3948082	10.9	
	85 Bromoform	173	20.530	20.530 0.0	98	4218739	11.2	
	86 Isopropylbenzene	105	20.765	20.765 0.0	94	7583518	10.1	
$	87 4-Bromofluorobenzene	95	21.108	21.108 0.0	98	2531326	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.364	21.364 0.0	97	3771098	10.2	
	89 1,2,3-Trichloropropane	75	21.461	21.461 0.0	65	2544453	10.4	
	90 N-Propylbenzene	91	21.471	21.471 0.0	99	8017289	10.4	
	92 2-Chlorotoluene	91	21.653	21.653 0.0	88	5276687	10.1	
	91 4-Ethyltoluene	105	21.653	21.653 0.0	89	6545510	10.4	
	93 n-Decane	57	21.669	21.669 0.0	79	2370339	10.3	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
94	1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	93	6375396	10.2
95	Alpha Methyl Styrene	118	22.113	22.113	0.0	90	3226946	11.3
96	tert-Butylbenzene	119	22.242	22.242	0.0	90	6372646	10.1
97	1,2,4-Trimethylbenzene	105	22.333	22.333	0.0	95	6282168	10.4
98	sec-Butylbenzene	105	22.563	22.563	0.0	99	9070536	10.3
99	4-Isopropyltoluene	119	22.761	22.761	0.0	95	7647082	10.5
100	1,3-Dichlorobenzene	146	22.777	22.777	0.0	98	4178465	11.2
101	1,4-Dichlorobenzene	146	22.910	22.910	0.0	96	4104191	11.3
102	Benzyl chloride	91	23.103	23.103	0.0	100	4404416	11.4
103	n-Butylbenzene	91	23.338	23.338	0.0	97	6233885	10.9
104	Undecane	57	23.381	23.381	0.0	88	2967633	11.0
105	1,2-Dichlorobenzene	146	23.451	23.451	0.0	91	4306560	10.4
106	Dodecane	57	25.008	25.008	0.0	92	440445	10.4
107	1,2,4-Trichlorobenzene	180	26.013	26.013	0.0	91	2578741	11.7
108	Hexachlorobutadiene	225	26.227	26.227	0.0	92	2199519	11.8
109	Naphthalene	128	26.500	26.500	0.0	99	6577845	12.5
110	1,2,3-Trichlorobenzene	180	26.987	26.987	0.0	95	2584533	14.2

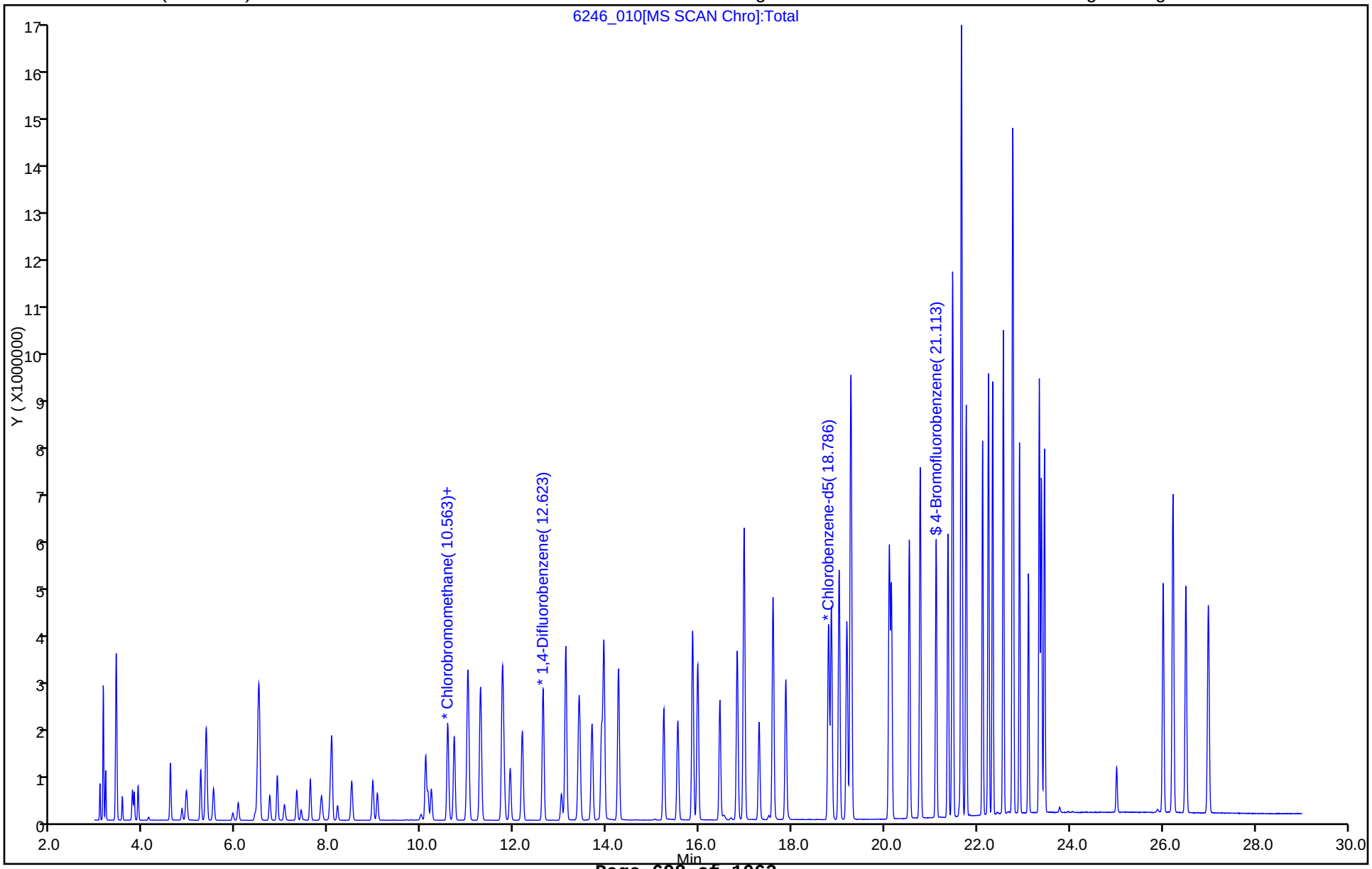
Report Date: 25-Feb-2014 11:43:55 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_010.D

Injection Date:	20-Feb-2014 19:33:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	ICIS	Lab Sample ID:		Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_011.D
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 20-Feb-2014 20:20:30 ALS Bottle#: 6 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-011
Misc. Info.: IC-06
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:44:33 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: daiglep Date: 21-Feb-2014 11:59:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	97	409939	12.6	
2 Dichlorodifluoromethane	85	3.133	3.127	0.006	99	3230850	14.3	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	94	1200735	14.1	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	89	2701745	14.0	
8 Chloromethane	50	3.539	3.539	0.0	99	598384	13.9	
9 Butane	43	3.758	3.759	-0.001	97	806246	14.2	
10 Vinyl chloride	62	3.796	3.796	0.0	97	798226	13.6	
11 Butadiene	54	3.881	3.882	-0.001	92	487180	14.2	
12 Bromomethane	94	4.577	4.577	0.0	98	1183604	14.1	
14 Chloroethane	64	4.828	4.828	0.0	100	335083	14.3	
15 2-Methylbutane	43	4.925	4.925	0.0	86	507695	13.7	
16 Vinyl bromide	106	5.235	5.235	0.0	96	1308520	14.4	
17 Trichlorofluoromethane	101	5.353	5.353	0.0	98	3643540	14.1	
18 Pentane	43	5.513	5.508	0.005	94	823688	14.4	
19 Ethanol	45	5.930	5.925	0.005	97	271826	19.7	
21 Ethyl ether	59	6.043	6.043	0.0	95	415742	14.4	
22 Acrolein	56	6.401	6.407	-0.006	96	201208	14.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	95	2277520	14.1	
24 1,1-Dichloroethene	96	6.503	6.503	0.0	92	947756	13.8	
25 Acetone	43	6.722	6.722	0.0	86	862031	13.6	
26 Carbon disulfide	76	6.888	6.888	0.0	98	2648261	15.8	
27 Isopropyl alcohol	45	7.043	7.038	0.005	98	750208	14.7	
29 3-Chloro-1-propene	41	7.305	7.305	0.0	82	651073	14.4	
30 Acetonitrile	41	7.402	7.402	0.0	98	361566	14.8	
31 Methylene Chloride	49	7.600	7.600	0.0	80	710830	14.0	
32 2-Methyl-2-propanol	59	7.840	7.840	0.0	98	1333072	14.7	
33 Methyl tert-butyl ether	73	8.038	8.044	-0.006	94	2330831	14.5	
34 trans-1,2-Dichloroethene	61	8.065	8.060	0.005	86	1064193	14.2	
35 Acrylonitrile	53	8.188	8.188	0.0	94	404196	14.7	
36 Hexane	57	8.493	8.493	0.0	91	868088	14.4	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	8.948	8.948	0.0	99	1525580	13.9
	38 Vinyl acetate	43	9.049	9.044	0.005	99	1577514	14.9
	39 cis-1,2-Dichloroethene	96	10.092	10.093	-0.001	91	1323299	14.2
	40 2-Butanone (MEK)	72	10.141	10.141	0.0	98	439441	14.0
S	41 1,2-Dichloroethene, Total	61				0		28.4
	42 Ethyl acetate	88	10.216	10.216	0.0	98	70260	14.8
*	43 Chlorobromomethane	128	10.563	10.563	0.0	67	720827	10.0
	44 Tetrahydrofuran	42	10.579	10.579	0.0	81	714991	14.7
	45 Chloroform	83	10.708	10.708	0.0	99	2921953	14.2
	46 Cyclohexane	84	10.997	10.997	0.0	83	1433887	14.0
	47 1,1,1-Trichloroethane	97	11.007	11.007	0.0	95	3437517	14.2
	48 Carbon tetrachloride	117	11.275	11.275	0.0	96	4402582	14.3
	50 Benzene	78	11.746	11.746	0.0	94	3761203	13.8
	51 Isooctane	57	11.767	11.767	0.0	98	4607690	14.1
	52 1,2-Dichloroethane	62	11.911	11.917	-0.006	99	1939265	14.2
	53 n-Heptane	43	12.174	12.179	-0.005	85	1630783	13.5
*	54 1,4-Difluorobenzene	114	12.628	12.628	0.0	91	4092312	10.0
	55 n-Butanol	56	13.024	13.019	0.005	85	698968	15.0
	56 Trichloroethene	95	13.115	13.115	0.0	94	2647845	13.7
A	57 GRO	1	13.297	4.915 -	21.679	0	623166089	0
	58 1,2-Dichloropropane	63	13.682	13.682	0.0	91	1837625	14.4
	59 Methyl methacrylate	69	13.885	13.886	-0.001	79	1684416	15.2
	60 1,4-Dioxane	88	13.918	13.918	0.0	84	881134	14.7
	61 Dibromomethane	174	13.939	13.939	0.0	93	3253569	15.0
	62 Dichlorobromomethane	83	14.255	14.249	0.006	97	4802511	15.0
A	63 TVOC as Toluene	1	15.022	3.048 -	26.997	0	1003475507	3347.1
	64 cis-1,3-Dichloropropene	75	15.234	15.234	0.0	87	3238934	14.9
	65 4-Methyl-2-pentanone (MIBK)	43	15.533	15.533	0.0	92	2941842	14.7
A	67 Toluene Range	1	15.854	15.814 -	15.894	0	15613255	NC
	66 Toluene	92	15.854	15.854	0.0	93	4313082	13.8
A	68 C8 Range	1	15.967	15.917 -	16.017	0	12981707	NC
	69 n-Octane	43	15.961	15.967	-0.006	85	2920702	13.9
	70 trans-1,3-Dichloropropene	75	16.443	16.443	0.0	93	3359685	15.2
	71 1,1,2-Trichloroethane	83	16.817	16.817	0.0	94	2193082	14.0
	72 Tetrachloroethene	166	16.967	16.967	0.0	97	4717288	14.0
	73 2-Hexanone	43	17.288	17.288	0.0	93	2816666	15.0
	74 Chlorodibromomethane	129	17.587	17.588	-0.001	97	6248363	15.5
	75 Ethylene Dibromide	107	17.866	17.866	0.0	99	4686871	14.9
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	80	4267788	10.0
	77 Chlorobenzene	112	18.850	18.850	0.0	98	6544081	14.4
	78 Ethylbenzene	91	19.016	19.016	0.0	96	9224141	14.2
	79 n-Nonane	57	19.182	19.182	0.0	83	3197055	13.8
	80 m-Xylene & p-Xylene	106	19.273	19.273	0.0	99	7470362	28.1
S	82 Xylenes, Total	106				0		42.4
	83 o-Xylene	106	20.102	20.102	0.0	95	3956763	14.3
	84 Styrene	104	20.145	20.145	0.0	97	5731100	15.5
	85 Bromoform	173	20.535	20.530	0.005	98	6318722	16.5
	86 Isopropylbenzene	105	20.765	20.765	0.0	94	10856447	14.2
$	87 4-Bromofluorobenzene	95	21.113	21.108	0.005	98	2590592	NC
	88 1,1,2,2-Tetrachloroethane	83	21.364	21.364	0.0	97	5358285	14.2
	89 1,2,3-Trichloropropane	75	21.461	21.461	0.0	95	3560001	14.3
	90 N-Propylbenzene	91	21.471	21.471	0.0	99	11208613	14.2

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.653	21.653	0.0	89	9049566	14.1
92 2-Chlorotoluene	91	21.653	21.653	0.0	88	7203124	13.5
93 n-Decane	57	21.669	21.669	0.0	82	3118009	13.3
94 1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	93	9119021	14.4
95 Alpha Methyl Styrene	118	22.113	22.113	0.0	91	4729427	16.3
96 tert-Butylbenzene	119	22.242	22.242	0.0	91	9065846	14.1
97 1,2,4-Trimethylbenzene	105	22.333	22.333	0.0	95	9030475	14.7
98 sec-Butylbenzene	105	22.563	22.563	0.0	98	12841290	14.4
99 4-Isopropyltoluene	119	22.761	22.761	0.0	95	10785413	14.5
100 1,3-Dichlorobenzene	146	22.777	22.777	0.0	98	6148441	16.1
101 1,4-Dichlorobenzene	146	22.910	22.910	0.0	96	6246800	16.9
102 Benzyl chloride	91	23.103	23.103	0.0	100	6590225	16.8
103 n-Butylbenzene	91	23.338	23.338	0.0	95	8898136	15.2
104 Undecane	57	23.381	23.381	0.0	90	4109189	15.0
105 1,2-Dichlorobenzene	146	23.451	23.451	0.0	99	6455653	15.3
106 Dodecane	57	25.007	25.008	-0.001	92	771526	17.9
107 1,2,4-Trichlorobenzene	180	26.013	26.013	0.0	94	4105144	18.2
108 Hexachlorobutadiene	225	26.227	26.227	0.0	93	3482315	18.3
109 Naphthalene	128	26.500	26.500	0.0	99	9951278	18.5
110 1,2,3-Trichlorobenzene	180	26.987	26.987	0.0	94	4130531	22.3

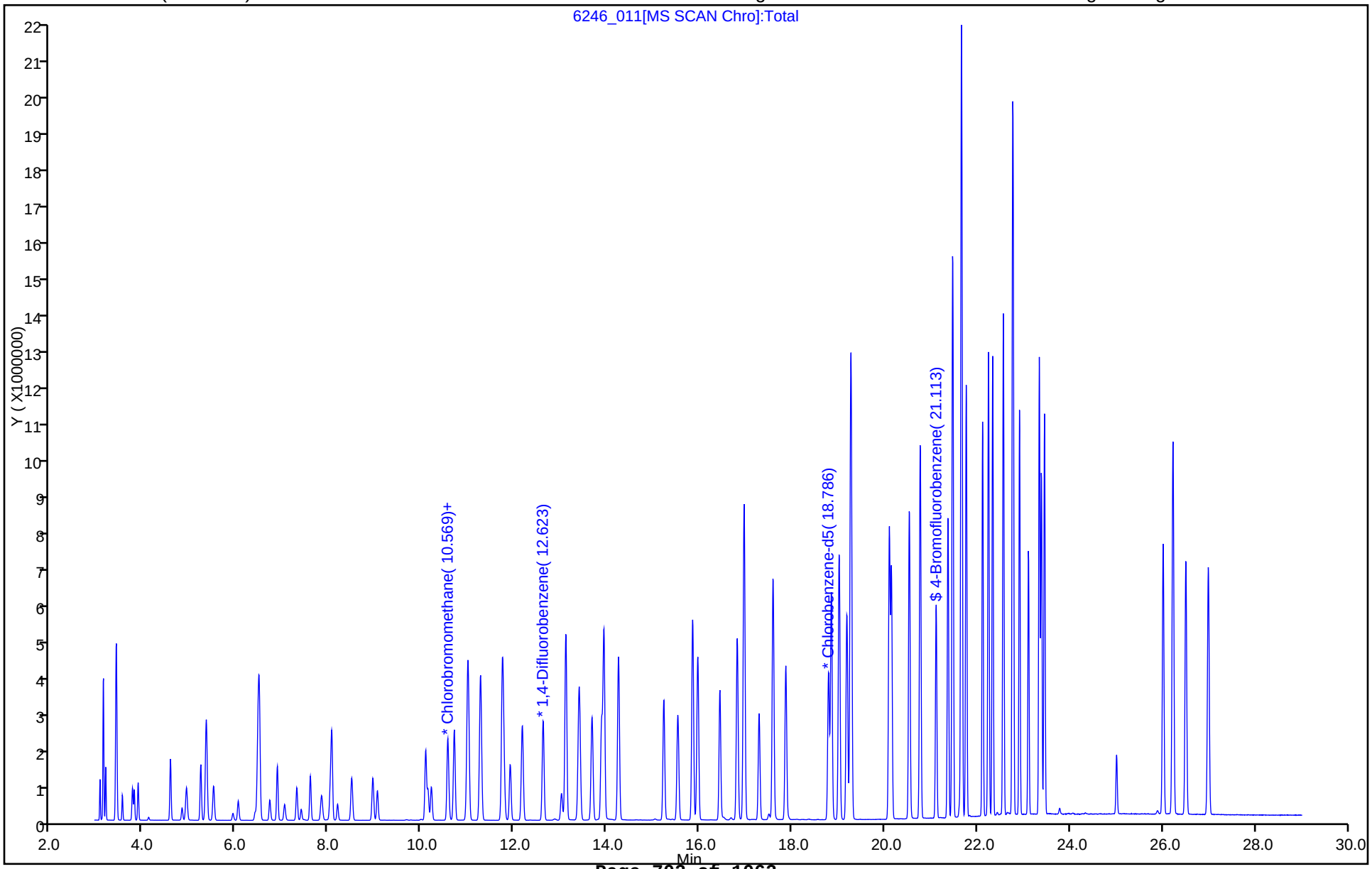
Report Date: 25-Feb-2014 11:44:34 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_011.D

Injection Date:	20-Feb-2014 20:20:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	11
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_012.D
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 20-Feb-2014 21:07:30 ALS Bottle#: 7 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-012
Misc. Info.: IC-07
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:44:37 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: daiglep Date: 21-Feb-2014 12:00:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	97	531626	16.1	
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	99	4181834	18.3	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	94	1577162	18.3	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	88	3501162	17.9	
8 Chloromethane	50	3.539	3.539	0.0	99	798173	18.4	
9 Butane	43	3.758	3.759	-0.001	97	1032909	18.1	
10 Vinyl chloride	62	3.796	3.796	0.0	98	1041015	17.5	
11 Butadiene	54	3.876	3.882	-0.006	93	627561	18.1	
12 Bromomethane	94	4.577	4.577	0.0	98	1556035	18.4	
14 Chloroethane	64	4.828	4.828	0.0	99	438854	18.6	
15 2-Methylbutane	43	4.925	4.925	0.0	88	668334	17.9	
16 Vinyl bromide	106	5.235	5.235	0.0	98	1723153	18.8	
17 Trichlorofluoromethane	101	5.353	5.353	0.0	98	4742944	18.2	
18 Pentane	43	5.508	5.508	0.0	94	1075523	18.6	
19 Ethanol	45	5.930	5.925	0.005	96	539835	38.8	
21 Ethyl ether	59	6.043	6.043	0.0	94	549493	18.8	
22 Acrolein	56	6.406	6.407	-0.001	96	271982	19.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	95	2991683	18.3	
24 1,1-Dichloroethene	96	6.497	6.503	-0.006	93	1261148	18.2	
25 Acetone	43	6.722	6.722	0.0	86	1221169	19.1	
26 Carbon disulfide	76	6.888	6.888	0.0	98	3166898	18.7	
27 Isopropyl alcohol	45	7.043	7.038	0.005	98	971316	18.8	
29 3-Chloro-1-propene	41	7.305	7.305	0.0	82	862409	18.8	
30 Acetonitrile	41	7.401	7.402	-0.001	97	481394	19.5	
31 Methylene Chloride	49	7.599	7.600	-0.001	80	950923	18.5	
32 2-Methyl-2-propanol	59	7.846	7.840	0.006	98	1773174	19.3	
33 Methyl tert-butyl ether	73	8.038	8.044	-0.006	94	3075884	18.9	
34 trans-1,2-Dichloroethene	61	8.065	8.060	0.005	86	1386349	18.3	
35 Acrylonitrile	53	8.183	8.188	-0.005	94	538419	19.4	
36 Hexane	57	8.493	8.493	0.0	90	1123675	18.4	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	8.948	8.948	0.0	99	2007403	18.1
	38 Vinyl acetate	43	9.049	9.044	0.005	99	2087444	19.5
	39 cis-1,2-Dichloroethene	96	10.092	10.093	-0.001	91	1770187	18.8
	40 2-Butanone (MEK)	72	10.141	10.141	0.0	97	570879	18.0
S	41 1,2-Dichloroethene, Total	61				0		37.2
	42 Ethyl acetate	88	10.215	10.216	-0.001	98	94118	19.6
*	43 Chlorobromomethane	128	10.563	10.563	0.0	68	728202	10.0
	44 Tetrahydrofuran	42	10.574	10.579	-0.005	84	939094	19.1
	45 Chloroform	83	10.708	10.708	0.0	99	3835335	18.4
	46 Cyclohexane	84	10.991	10.997	-0.006	82	1884655	18.3
	47 1,1,1-Trichloroethane	97	11.007	11.007	0.0	95	4503954	18.5
	48 Carbon tetrachloride	117	11.275	11.275	0.0	96	5780737	18.6
	50 Benzene	78	11.745	11.746	-0.001	94	4914178	17.9
	51 Isooctane	57	11.762	11.767	-0.005	98	5926650	18.1
	52 1,2-Dichloroethane	62	11.917	11.917	0.0	99	2553638	18.6
	53 n-Heptane	43	12.173	12.179	-0.006	85	2106255	17.3
*	54 1,4-Difluorobenzene	114	12.628	12.628	0.0	91	4123313	10.0
	55 n-Butanol	56	13.024	13.019	0.005	85	894348	19.0
	56 Trichloroethene	95	13.115	13.115	0.0	93	3463198	17.8
A	57 GRO	1	13.297	4.915 - 21.679		0	805887158	0
	58 1,2-Dichloropropane	63	13.682	13.682	0.0	91	2386362	18.5
	59 Methyl methacrylate	69	13.885	13.886	-0.001	80	2202970	19.7
	60 1,4-Dioxane	88	13.917	13.918	-0.001	85	1099302	18.1
	61 Dibromomethane	174	13.939	13.939	0.0	93	4291738	19.7
	62 Dichlorobromomethane	83	14.254	14.249	0.005	97	6281735	19.5
A	63 TVOC as Toluene	1	15.022	3.048 - 26.997		0	1296318295	4291.4
	64 cis-1,3-Dichloropropene	75	15.233	15.234	-0.001	87	4259880	19.5
	65 4-Methyl-2-pentanone (MIBK)	43	15.533	15.533	0.0	92	3837041	19.0
A	67 Toluene Range	1	15.854	15.814 - 15.894		0	20208828	NC
	66 Toluene	92	15.854	15.854	0.0	94	5619306	17.8
A	68 C8 Range	1	15.967	15.917 - 16.017		0	16674071	NC
	69 n-Octane	43	15.966	15.967	-0.001	84	3722407	17.6
	70 trans-1,3-Dichloropropene	75	16.442	16.443	-0.001	92	4446522	19.9
	71 1,1,2-Trichloroethane	83	16.817	16.817	0.0	94	2837907	18.0
	72 Tetrachloroethene	166	16.967	16.967	0.0	96	6221845	18.4
	73 2-Hexanone	43	17.288	17.288	0.0	92	3644308	19.3
	74 Chlorodibromomethane	129	17.593	17.588	0.005	97	8257492	20.3
	75 Ethylene Dibromide	107	17.866	17.866	0.0	99	6200376	19.5
*	76 Chlorobenzene-d5	117	18.791	18.786	0.005	69	4297877	10.0
	77 Chlorobenzene	112	18.850	18.850	0.0	99	8525443	18.7
	78 Ethylbenzene	91	19.016	19.016	0.0	96	11901776	18.2
	79 n-Nonane	57	19.187	19.182	0.005	83	4051815	17.4
	80 m-Xylene & p-Xylene	106	19.272	19.273	-0.001	98	9585988	35.9
S	82 Xylenes, Total	106				0		54.1
	83 o-Xylene	106	20.102	20.102	0.0	96	5089695	18.2
	84 Styrene	104	20.144	20.145	-0.001	97	7581441	20.4
	85 Bromoform	173	20.535	20.530	0.005	98	8318745	21.6
	86 Isopropylbenzene	105	20.770	20.765	0.005	94	13989868	18.2
$	87 4-Bromofluorobenzene	95	21.113	21.108	0.005	98	2618779	NC
	88 1,1,2,2-Tetrachloroethane	83	21.370	21.364	0.006	96	6815546	18.0
	89 1,2,3-Trichloropropane	75	21.461	21.461	-0.001	94	4440353	17.7
	90 N-Propylbenzene	91	21.471	21.471	0.0	99	14025147	17.7

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.658	21.653	0.005	89	11296239	17.5
92 2-Chlorotoluene	91	21.653	21.653	0.0	88	8920326	16.6
93 n-Decane	57	21.675	21.669	0.005	84	3720783	15.7
94 1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	94	11650765	18.3
95 Alpha Methyl Styrene	118	22.119	22.113	0.006	91	6171333	21.1
96 tert-Butylbenzene	119	22.242	22.242	0.0	91	11610585	17.9
97 1,2,4-Trimethylbenzene	105	22.333	22.333	-0.001	95	11529355	18.7
98 sec-Butylbenzene	105	22.563	22.563	0.0	98	16091123	17.9
99 4-Isopropyltoluene	119	22.760	22.761	-0.001	94	13420123	17.9
100 1,3-Dichlorobenzene	146	22.782	22.777	0.005	99	7948502	20.7
101 1,4-Dichlorobenzene	146	22.910	22.910	0.0	97	8343313	22.4
102 Benzyl chloride	91	23.108	23.103	0.005	100	9009188	22.8
103 n-Butylbenzene	91	23.338	23.338	0.0	96	11235803	19.1
104 Undecane	57	23.386	23.381	0.005	90	5038697	18.3
105 1,2-Dichlorobenzene	146	23.451	23.451	0.0	99	8506718	20.0
106 Dodecane	57	25.007	25.008	-0.001	92	974121	22.5
107 1,2,4-Trichlorobenzene	180	26.013	26.013	0.0	91	5549938	24.5
108 Hexachlorobutadiene	225	26.227	26.227	0.0	93	4561824	23.8
109 Naphthalene	128	26.505	26.500	0.005	99	12509910	23.1
110 1,2,3-Trichlorobenzene	180	26.987	26.987	0.0	96	5493601	29.5

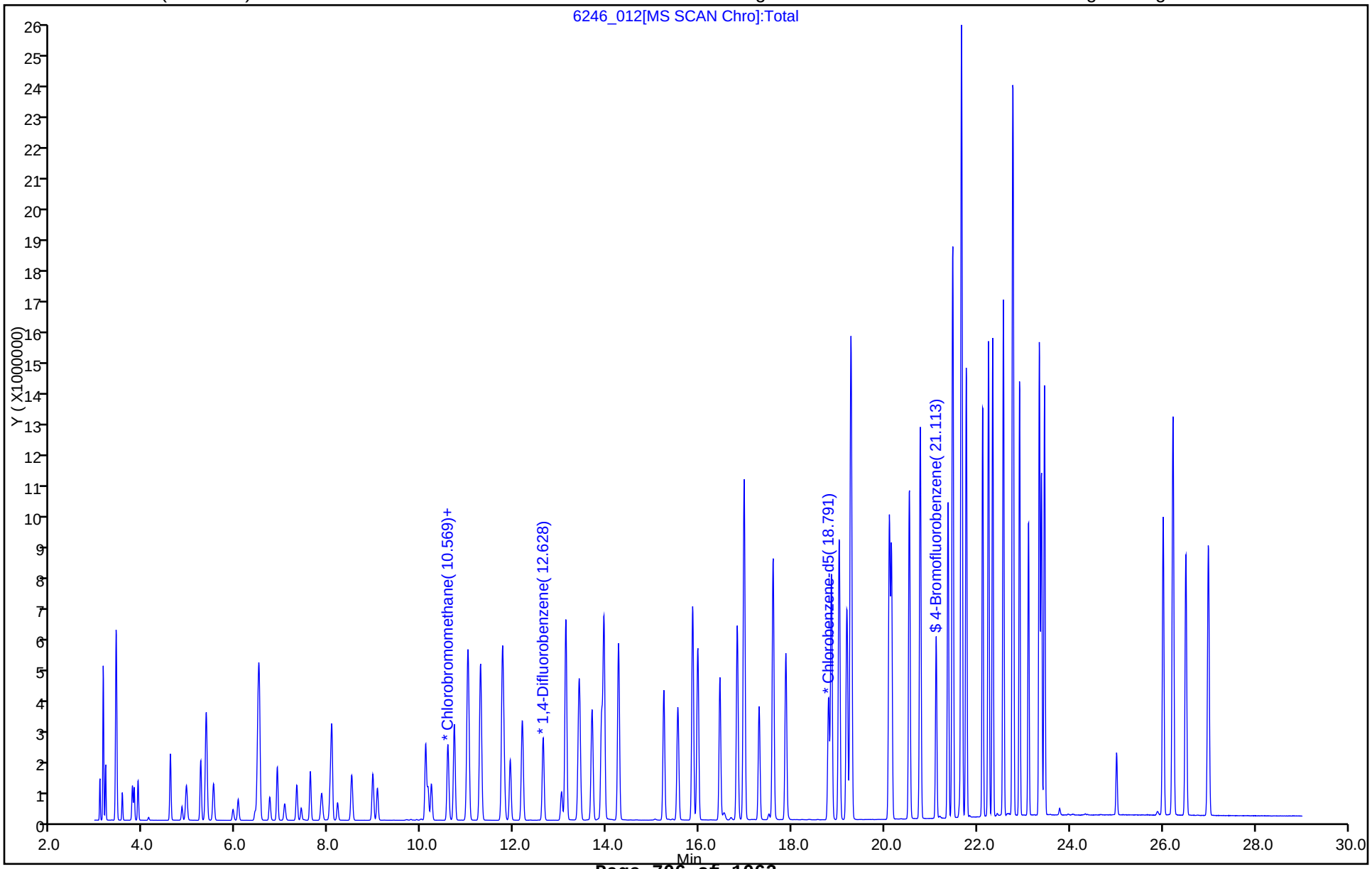
Report Date: 25-Feb-2014 11:44:38 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_012.D

Injection Date:	20-Feb-2014 21:07:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	12
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 20-Feb-2014 21:54:30 ALS Bottle#: 8 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-013
Misc. Info.: IC-08
Operator ID: bl Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:44:41 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: daiglep Date: 21-Feb-2014 12:02:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	97	983061	29.7	
2 Dichlorodifluoromethane	85	3.133	3.127	0.006	98	7546057	32.9	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	82	2888804	33.5	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	88	6314979	32.2	
8 Chloromethane	50	3.539	3.539	0.0	99	1479893	34.0	
9 Butane	43	3.759	3.759	0.0	96	1901790	33.1	
10 Vinyl chloride	62	3.796	3.796	0.0	97	1930472	32.4	
11 Butadiene	54	3.882	3.882	0.0	91	1176646	33.8	
12 Bromomethane	94	4.582	4.577	0.005	98	2895032	34.1	
14 Chloroethane	64	4.834	4.828	0.006	100	818413	34.6	
15 2-Methylbutane	43	4.930	4.925	0.005	87	1237978	33.0	
16 Vinyl bromide	106	5.235	5.235	0.0	97	3260069	35.4	
17 Trichlorofluoromethane	101	5.353	5.353	0.0	98	8775338	33.5	
18 Pentane	43	5.513	5.508	0.005	92	2001506	34.4	
19 Ethanol	45	5.941	5.925	0.016	96	1243817	89.1	
21 Ethyl ether	59	6.043	6.043	0.0	89	1019836	34.9	
22 Acrolein	56	6.407	6.407	0.0	95	519709	37.2	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.482	6.476	0.006	94	5503611	33.5	
24 1,1-Dichloroethene	96	6.503	6.503	0.0	91	2307432	33.2	
25 Acetone	43	6.728	6.722	0.006	81	2063546	32.1	
26 Carbon disulfide	76	6.888	6.888	0.0	98	5940319	34.9	
27 Isopropyl alcohol	45	7.059	7.038	0.021	98	1713889	33.1	
29 3-Chloro-1-propene	41	7.311	7.305	0.006	82	1618104	35.2	
30 Acetonitrile	41	7.407	7.402	0.005	97	869306	35.2	
31 Methylene Chloride	49	7.600	7.600	0.0	80	1761297	34.1	
32 2-Methyl-2-propanol	59	7.856	7.840	0.016	98	3104259	33.7	
33 Methyl tert-butyl ether	73	8.044	8.044	0.0	93	5761697	35.2	
34 trans-1,2-Dichloroethene	61	8.070	8.060	0.010	86	2563803	33.8	
35 Acrylonitrile	53	8.193	8.188	0.005	94	1033037	37.0	
36 Hexane	57	8.498	8.493	0.005	90	2110178	34.4	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	37 1,1-Dichloroethane	63	8.953	8.948	0.005	99	3777110	34.0
	38 Vinyl acetate	43	9.049	9.044	0.005	99	3948444	36.7
	39 cis-1,2-Dichloroethene	96	10.093	10.093	0.0	91	3280795	34.8
	40 2-Butanone (MEK)	72	10.146	10.141	0.005	86	1059095	33.2
S	41 1,2-Dichloroethene, Total	61				0		68.6
	42 Ethyl acetate	88	10.216	10.216	0.0	90	176622	36.6
*	43 Chlorobromomethane	128	10.563	10.563	0.0	68	730832	10.0
	44 Tetrahydrofuran	42	10.579	10.579	0.0	81	1745766	36.1
	45 Chloroform	83	10.713	10.708	0.005	98	7116385	34.1
	46 Cyclohexane	84	10.997	10.997	0.0	61	3386982	33.4
	47 1,1,1-Trichloroethane	97	11.013	11.007	0.006	94	8206833	34.2
	48 Carbon tetrachloride	117	11.280	11.275	0.005	96	10788406	35.2
	50 Benzene	78	11.751	11.746	0.005	93	8715559	32.1
	51 Isooctane	57	11.767	11.767	0.0	98	10425438	32.2
	52 1,2-Dichloroethane	62	11.922	11.917	0.005	99	4747119	35.0
	53 n-Heptane	43	12.179	12.179	0.0	85	3727378	31.0
*	54 1,4-Difluorobenzene	114	12.628	12.628	0.0	91	4068845	10.0
	55 n-Butanol	56	13.030	13.019	0.011	84	1602361	34.5
	56 Trichloroethene	95	13.121	13.115	0.006	93	6239533	32.4
A	57 GRO	1	13.297	4.915 - 21.679		0	1419730756	0
	58 1,2-Dichloropropane	63	13.688	13.682	0.006	90	4309146	33.9
	59 Methyl methacrylate	69	13.891	13.886	0.005	79	3921743	35.5
	60 1,4-Dioxane	88	13.923	13.918	0.005	48	1709373	28.6
	61 Dibromomethane	174	13.944	13.939	0.005	89	7808407	36.3
	62 Dichlorobromomethane	83	14.260	14.249	0.011	96	11414848	36.0
A	63 TVOC as Toluene	1	15.022	3.048 - 26.997		0	2240781938	7517.3
	64 cis-1,3-Dichloropropene	75	15.234	15.234	0.0	87	7786571	36.0
	65 4-Methyl-2-pentanone (MIBK)	43	15.544	15.533	0.011	92	6786028	34.1
A	67 Toluene Range	1	15.854	15.814 - 15.894		0	35957719	NC
	66 Toluene	92	15.860	15.854	0.006	93	10062727	32.4
A	68 C8 Range	1	15.967	15.917 - 16.017		0	28916699	NC
	69 n-Octane	43	15.967	15.967	0.0	82	6377605	30.6
	70 trans-1,3-Dichloropropene	75	16.448	16.443	0.005	92	8172557	37.1
	71 1,1,2-Trichloroethane	83	16.823	16.817	0.005	93	5024630	32.3
	72 Tetrachloroethene	166	16.972	16.967	0.005	96	11257293	33.7
	73 2-Hexanone	43	17.293	17.288	0.005	92	6517803	35.1
	74 Chlorodibromomethane	129	17.598	17.588	0.010	97	15043588	37.5
	75 Ethylene Dibromide	107	17.871	17.866	0.005	100	11168909	35.7
*	76 Chlorobenzene-d5	117	18.791	18.786	0.005	64	4236628	10.0
	77 Chlorobenzene	112	18.855	18.850	0.005	99	15274499	33.9
	78 Ethylbenzene	91	19.021	19.016	0.005	96	20917158	32.4
	79 n-Nonane	57	19.187	19.182	0.005	81	6823424	29.7
	80 m-Xylene & p-Xylene	106	19.278	19.273	0.005	95	16500183	62.6
S	82 Xylenes, Total	106				0		95.3
	83 o-Xylene	106	20.107	20.102	0.005	96	8987903	32.7
	84 Styrene	104	20.150	20.145	0.005	97	13641554	37.2
	85 Bromoform	173	20.535	20.530	0.005	98	14797457	39.0
	86 Isopropylbenzene	105	20.765	20.765	0.0	94	23458205	31.0
$	87 4-Bromofluorobenzene	95	21.113	21.108	0.005	98	2631276	NC
	88 1,1,2,2-Tetrachloroethane	83	21.370	21.364	0.006	95	11463767	30.6
	89 1,2,3-Trichloropropane	75	21.466	21.461	0.005	58	7193533	29.0
	90 N-Propylbenzene	91	21.471	21.471	0.0	96	21799286	27.9

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.659	21.653	0.006	89	18568014	29.2
92 2-Chlorotoluene	91	21.659	21.653	0.006	88	14316837	27.1
93 n-Decane	57	21.680	21.669	0.011	81	5657115	24.2
94 1,3,5-Trimethylbenzene	105	21.766	21.760	0.006	95	19639345	31.2
95 Alpha Methyl Styrene	118	22.119	22.113	0.006	91	11214255	38.9
96 tert-Butylbenzene	119	22.247	22.242	0.005	90	19659345	30.8
97 1,2,4-Trimethylbenzene	105	22.333	22.333	0.0	94	19055651	31.3
98 sec-Butylbenzene	105	22.557	22.563	-0.006	96	22732453	25.6
99 4-Isopropyltoluene	119	22.755	22.761	-0.006	94	19892235	27.0
100 1,3-Dichlorobenzene	146	22.782	22.777	0.005	97	13818690	36.5
101 1,4-Dichlorobenzene	146	22.916	22.910	0.006	95	15149869	41.3
102 Benzyl chloride	91	23.108	23.103	0.005	99	16568250	42.6
103 n-Butylbenzene	91	23.344	23.338	0.006	93	18457704	31.8
104 Undecane	57	23.387	23.381	0.006	86	8063472	29.6
105 1,2-Dichlorobenzene	146	23.456	23.451	0.005	90	15220896	36.3
106 Dodecane	57	25.008	25.008	0.0	92	1062315	24.9
107 1,2,4-Trichlorobenzene	180	26.019	26.013	0.006	93	9680944	43.3
108 Hexachlorobutadiene	225	26.227	26.227	0.0	92	5860214	31.0
109 Naphthalene	128	26.505	26.500	0.005	99	21001143	39.4
110 1,2,3-Trichlorobenzene	180	26.992	26.987	0.005	96	7183636	39.1

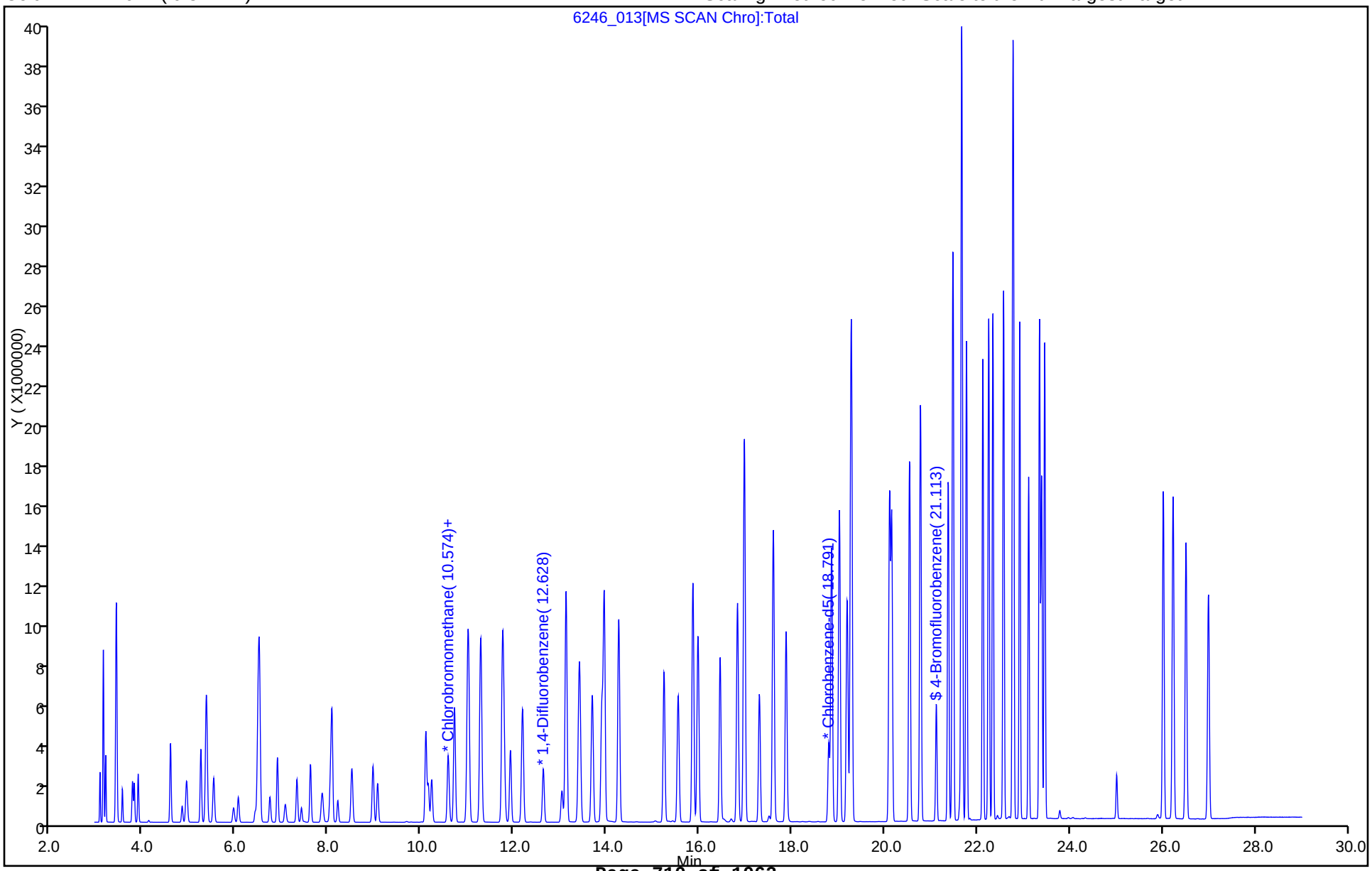
Report Date: 25-Feb-2014 11:44:43 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Injection Date:	20-Feb-2014 21:54:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	13
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68234

SDG No.: 200-20955-2

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-68234/4	6101_004.d
Level 2	IC 200-68234/5	6101_005.d
Level 3	IC 200-68234/6	6101_006.d
Level 4	IC 200-68234/7	6101_007.d
Level 5	ICIS 200-68234/8	6101_008.d
Level 6	IC 200-68234/9	6101_009.d
Level 7	IC 200-68234/10	6101_010.d
Level 8	IC 200-68234/11	6101_011.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.6294	+++++ 0.6005	0.7612 0.5795	0.7042	0.6858	Ave		0.6601				10.0		30.0			
Freon 12	+++++ 4.3690	+++++ 4.0983	5.3945 3.8142	5.0215	4.7439	Ave		4.5735				13.0		30.0			
Freon 22	+++++ 1.6610	+++++ 1.5826	1.9840 1.5227	1.8515	1.7934	Ave		1.7325				10.0		30.0			
Freon-114	+++++ 3.5664	5.0122 3.3414	4.3260 3.1369	4.0359	3.8799	Ave		3.8998				16.0		30.0			
Chloromethane	+++++ 0.7437	+++++ 0.7184	0.9058 0.7076	0.8386	0.8095	Ave		0.7873				9.9		30.0			
n-Butane	+++++ 1.2795	+++++ 1.2234	1.3155 1.1895	1.3115	1.3348	Ave		1.2757				4.5		30.0			
Vinyl chloride	1.3892 1.0569	1.3184 1.0251	1.0925 0.9932	1.1074	1.0789	Ave		1.1327				13.0		30.0			
1,3-Butadiene	+++++ 0.7091	0.7358 0.6905	0.6461 0.6679	0.7193	0.7091	Ave		0.6968				4.5		30.0			
Bromomethane	+++++ 1.0481	1.5278 1.0801	1.2106 1.0258	1.1890	1.1185	Ave		1.1714				15.0		30.0			
Chloroethane	+++++ 0.5782	+++++ 0.5731	0.6645 0.5700	0.6278	0.6028	Ave		0.6027				6.2		30.0			
Isopentane	+++++ 0.9338	1.1843 0.9163	0.9584 0.8875	0.9726	0.9615	Ave		0.9735				10.0		30.0			
Vinyl bromide	+++++ 1.5391	1.7161 1.4821	1.5083 1.4343	1.6162	1.6319	Ave		1.5611				6.3		30.0			
Freon 11	+++++ 4.6839	6.5595 4.4690	5.5889 4.2756	5.2645	5.0430	Ave		5.1263				15.0		30.0			
n-Pentane	+++++ 1.4023	+++++ 1.3348	1.2199 1.3000	1.4499	1.4794	Ave		1.3644				7.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68234

SDG No.: 200-20955-2

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.2920	+++++ 0.2841	0.2909 0.2764	0.2713	0.3009	Ave		0.2860				3.8		30.0			
Ethyl ether	+++++ 0.7351	0.6622 0.7136	0.6596 0.7048	0.7564	0.7651	Ave		0.7138				5.9		30.0			
Acrolein	+++++ 0.3004	+++++ 0.2940	+++++ 0.2796	0.3153	0.3109	Ave		0.3000				4.7		30.0			
Freon 113	+++++ 2.9166	4.2091 2.7567	3.4698 2.6038	3.3246	3.1761	Ave		3.2081				17.0		30.0			
1,1-Dichloroethene	+++++ 1.3632	1.4753 1.3070	1.3349 1.2606	1.4566	1.4743	Ave		1.3817				6.3		30.0			
Acetone	+++++ 1.4238	+++++ 1.4444	+++++ 1.2845	1.6113	1.4963	Ave		1.4521				8.2		30.0			
Carbon disulfide	+++++ 3.2832	+++++ 2.9345	3.3491 2.8672	3.4191	3.2429	Ave		3.1827				7.1		30.0			
Isopropyl alcohol	+++++ 1.2162	+++++ 1.1815	+++++ 1.1090	1.3023	1.2739	Ave		1.2166				6.3		30.0			
Allyl chloride	+++++ 1.0487	0.9286 1.0252	0.7433 1.0106	1.0390	1.0832	Ave		0.9827				12.0		30.0			
Acetonitrile	+++++ 0.5199	+++++ 0.5140	+++++ 0.4880	0.5862	0.5529	Ave		0.5322				7.1		30.0			
Methylene Chloride	+++++ 0.9409	+++++ 0.9123	1.2419 0.9033	1.0592	1.0090	Ave		1.0111				13.0		30.0			
tert-Butyl alcohol	+++++ 2.2557	+++++ 2.2155	+++++ 2.0781	2.2015	2.2870	Ave		2.2076				3.6		30.0			
Methyl tert-butyl ether	+++++ 4.0091	3.0435 3.8886	2.8398 3.7418	4.0343	4.0513	Ave		3.6583				14.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.6344	1.7595 1.5639	1.6684 1.5220	1.7833	1.7293	Ave		1.6658				5.9		30.0			
Acrylonitrile	+++++ 0.6283	+++++ 0.6063	0.5660 0.6093	0.6573	0.6504	Ave		0.6196				5.4		30.0			
Hexane	+++++ 1.5043	1.1190 1.4572	1.1448 1.4113	1.5878	1.5729	Ave		1.3996				14.0		30.0			
1,1-Dichloroethane	2.7266 2.0173	2.7546 1.9640	2.2001 1.9206	2.2209	2.1320	Ave		2.2420				15.0		30.0			
Vinyl acetate	+++++ 2.2149	+++++ 2.1877	1.4626 2.1148	2.2320	2.2863	Ave		2.0831				15.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.4436	1.4098 1.4356	1.4144 1.3757	1.5912	1.5451	Ave		1.4593				5.4		30.0			
Methyl Ethyl Ketone	+++++ 0.5902	+++++ 0.5776	0.7215 0.5405	0.6347	0.6245	Ave		0.6148				10.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68234

SDG No.: 200-20955-2

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1190	+++++ 0.1151	+++++ 0.1131	0.1270	0.1233	Ave		0.1195				4.8		30.0			
Tetrahydrofuran	+++++ 0.1860	+++++ 0.1851	+++++ 0.1771	0.1996	0.1984	Ave		0.1892				5.1		30.0			
Chloroform	+++++ 3.0732	4.1322 3.0105	3.6218 2.8781	3.4517	3.2894	Ave		3.3510				13.0		30.0			
Cyclohexane	+++++ 0.3809	0.3154 0.3730	0.3081 0.3424	0.4205	0.4154	Ave		0.3651				12.0		30.0			
1,1,1-Trichloroethane	+++++ 0.7852	0.9829 0.7696	0.8468 0.7201	0.8838	0.8545	Ave		0.8347				10.0		30.0			
Carbon tetrachloride	1.1713 0.8663	1.1199 0.8430	0.9312 0.7966	0.9607	0.9380	Ave		0.9534				14.0		30.0			
2,2,4-Trimethylpentane	+++++ 1.0529	0.7645 1.0172	0.7625 0.9263	1.1501	1.1332	Ave		0.9724				17.0		30.0			
Benzene	+++++ 0.8150	0.9816 0.7913	0.9105 0.7343	0.9616	0.9057	Ave		0.8714				11.0		30.0			
1,2-Dichloroethane	+++++ 0.4166	0.5191 0.4099	0.4390 0.3935	0.4618	0.4476	Ave		0.4411				9.4		30.0			
Heptane	+++++ 0.3284	0.2231 0.3162	0.2484 0.2939	0.3624	0.3529	Ave		0.3036				17.0		30.0			
n-Butanol	+++++ 0.1058	+++++ 0.1125	+++++ 0.1061	0.0977	0.1186	Ave		0.1081				7.3		30.0			
Trichloroethene	0.4589 0.4347	0.4693 0.4233	0.4397 0.3971	0.4910	0.4748	Ave		0.4486				6.8		30.0			
1,2-Dichloropropane	+++++ 0.2550	0.3007 0.2466	0.2639 0.2342	0.2827	0.2750	Ave		0.2654				8.5		30.0			
Methyl methacrylate	+++++ 0.2876	+++++ 0.2798	0.2132 0.2721	0.2990	0.2994	Ave		0.2752				12.0		30.0			
1,4-Dioxane	+++++ 0.1481	+++++ 0.1415	+++++ 0.1268	0.1763	0.1701	Ave		0.1525				13.0		30.0			
Dibromomethane	+++++ 0.5100	0.6673 0.4841	0.5779 0.4480	0.6026	0.5617	Ave		0.5502				14.0		30.0			
Bromodichloromethane	+++++ 0.7400	0.8535 0.7150	0.7723 0.6779	0.8274	0.7903	Ave		0.7680				8.1		30.0			
cis-1,3-Dichloropropene	+++++ 0.4711	0.3409 0.4666	0.3190 0.4551	0.4883	0.4995	Ave		0.4344				17.0		30.0			
methyl isobutyl ketone	+++++ 0.4518	+++++ 0.4355	0.2919 0.4121	0.4798	0.4815	Ave		0.4254				17.0		30.0			
n-Octane	+++++ 0.4281	0.2899 0.4033	0.3484 0.3570	0.5184	0.4715	Ave		0.4024				19.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68234

SDG No.: 200-20955-2

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.7015	0.7282 0.6512	0.7629 0.5945	0.8604	0.7776	Ave		0.7252				12.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.5329	0.3930 0.5240	0.4109 0.5158	0.5545	0.5579	Ave		0.4984				14.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3413	0.4252 0.3246	0.3744 0.3102	0.3894	0.3660	Ave		0.3616				11.0		30.0			
Tetrachloroethene	0.9597 0.8537	1.0224 0.8029	0.9267 0.7324	0.9948	0.9266	Ave		0.9024				11.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4501	+++++ 0.4442	0.2261 0.4236	0.4324	0.4735	Ave		0.4083				22.0		30.0			
Dibromochloromethane	+++++ 1.0003	1.0364 0.9516	0.9746 0.8941	1.1099	1.0631	Ave		1.0043				7.2		30.0			
1,2-Dibromoethane	+++++ 0.7392	0.7346 0.7085	0.6884 0.6751	0.8087	0.7809	Ave		0.7336				6.6		30.0			
Chlorobenzene	+++++ 1.1084	1.5235 1.0462	1.3524 0.9761	1.2973	1.1881	Ave		1.2132				16.0		30.0			
Ethylbenzene	+++++ 1.7071	1.6756 1.6064	1.6219 1.4483	1.9774	1.8244	Ave		1.6944				10.0		30.0			
n-Nonane	+++++ 0.5788	0.4864 0.5410	0.5601 0.4884	0.6791	0.6242	Ave		0.5654				12.0		30.0			
m,p-Xylene	+++++ 0.6677	0.6634 0.6211	0.7281 0.5574	0.8165	0.7296	Ave		0.6834				12.0		30.0			
Xylene, o-	+++++ 0.6915	0.4910 0.6479	0.5440 0.5931	0.8057	0.7416	Ave		0.6450				17.0		30.0			
Styrene	+++++ 1.0453	0.6521 0.9838	0.8057 0.9093	1.2092	1.0935	Ave		0.9570				19.0		30.0			
Bromoform	+++++ 1.0343	0.9871 0.9672	0.9631 0.8665	1.1569	1.0951	Ave		1.0100				9.4		30.0			
Cumene	+++++ 2.1406	1.4222 1.9863	1.7913 1.6885	2.5312	2.3242	Ave		1.9835				19.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.9116	1.2032 0.8541	1.0767 0.7493	1.0847	0.9998	Ave		0.9828				16.0		30.0			
n-Propylbenzene	+++++ 2.3701	2.0948 2.1679	2.2816 1.7472	2.8945	2.5990	Ave		2.3079				16.0		30.0			
1,2,3-Trichloropropane	+++++ 0.7273	+++++ 0.6835	0.8672 0.6040	0.8601	0.7957	Ave		0.7563				14.0		30.0			
n-Decane	+++++ 0.8027	+++++ 0.7337	0.7564 0.6206	0.9676	0.8679	Ave		0.7915				15.0		30.0			
4-Ethyltoluene	+++++ 2.1921	2.1959 2.0016	2.3631 1.6318	2.6755	2.3934	Ave		2.2076				15.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68234

SDG No.: 200-20955-2

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.8632	2.1207 1.7042	2.1018 1.4743	2.2531	1.9950	Ave		1.9303				14.0		30.0			
1,3,5-Trimethylbenzene	+++++ 2.0118	2.1308 1.8417	2.1747 1.5338	2.4382	2.1710	Ave		2.0431				14.0		30.0			
Alpha Methyl Styrene	+++++ 0.9957	0.4919 0.9323	0.5588 0.8440	1.1073	1.0293	Ave		0.8513				28.0		30.0			
tert-Butylbenzene	+++++ 1.9650	1.8100 1.8030	2.1301 1.5161	2.4752	2.1908	Ave		1.9843				16.0		30.0			
1,2,4-Trimethylbenzene	+++++ 2.0084	1.6671 1.8434	2.0093 1.5504	2.4407	2.1299	Ave		1.9499				15.0		30.0			
sec-Butylbenzene	+++++ 2.6804	2.4783 2.4289	2.8624 1.9492	3.4276	2.9816	Ave		2.6869				17.0		30.0			
4-Isopropyltoluene	+++++ 2.4520	1.9363 2.2265	2.3846 1.8085	3.0524	2.6819	Ave		2.3632				18.0		30.0			
1,3-Dichlorobenzene	+++++ 1.4227	1.4923 1.3244	1.4971 1.1586	1.6330	1.4201	Ave		1.4212				11.0		30.0			
1,4-Dichlorobenzene	+++++ 1.4072	1.2057 1.3176	1.2508 1.1591	1.5402	1.3794	Ave		1.3229				9.9		30.0			
Benzyl chloride	+++++ 1.4364	0.6723 1.4194	0.7331 1.3296	1.3614	1.3643	Ave		1.1881				28.0		30.0			
n-Undecane	+++++ 0.8198	+++++ 0.7329	+++++ 0.6074	1.0133	0.8394	Ave		0.8026				19.0		30.0			
n-Butylbenzene	+++++ 1.8221	1.5827 1.6637	1.9144 1.3958	2.2483	1.9204	Ave		1.7925				15.0		30.0			
1,2-Dichlorobenzene	+++++ 1.3931	1.4061 1.3041	1.4167 1.1423	1.6069	1.4146	Ave		1.3834				10.0		30.0			
n-Dodecane	+++++ 0.6987	+++++ 0.6378	+++++ 0.0939	0.6272	0.5681	Ave		0.5251				47.0	*	30.0			
1,2,4-Trichlorobenzene	+++++ 0.8751	+++++ 0.8427	0.4242 0.6756	0.7568	0.6898	Ave		0.7107				23.0		30.0			
Hexachloro-1,3-butadiene	+++++ 1.1276	1.3821 1.0158	1.2268 0.5778	1.3453	1.1928	Ave		1.1240				24.0		30.0			
Naphthalene	+++++ 1.8494	+++++ 1.7066	0.4898 1.4383	1.4694	1.3622	Ave		1.3860				34.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.8743	0.5423 0.8261	0.3734 0.4546	0.8165	0.7483	Ave		0.6622				30.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68234

SDG No.: 200-20955-2

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-68234/4	6101_004.d
Level 2	IC 200-68234/5	6101_005.d
Level 3	IC 200-68234/6	6101_006.d
Level 4	IC 200-68234/7	6101_007.d
Level 5	ICIS 200-68234/8	6101_008.d
Level 6	IC 200-68234/9	6101_009.d
Level 7	IC 200-68234/10	6101_010.d
Level 8	IC 200-68234/11	6101_011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 497717	+++++ 661767	17418 1299181	171162	343851	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 12	BCM	Ave	+++++ 3454862	+++++ 4516674	123434 8550592	1220565	2378638	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1313467	+++++ 1744155	45396 3413634	450035	899214	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon-114	BCM	Ave	+++++ 2820237	41809 3682503	98986 7032234	981010	1945417	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 588133	+++++ 791790	20727 1586316	203833	405869	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 1011815	+++++ 1348334	30101 2666551	318783	669296	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2173 835769	10997 1129770	24999 2226661	269168	540976	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 560716	6138 760983	14783 1497279	174832	355554	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 828778	12744 1190336	27701 2299545	289016	560804	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 457236	+++++ 631582	15205 1277845	152598	302251	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 738402	9879 1009878	21929 1989631	236416	482131	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl bromide	BCM	Ave	+++++ 1217044	14315 1633426	34512 3215429	392846	818236	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Freon 11	BCM	Ave	+++++ 3703863	54715 4925201	127882 9585030	1279646	2528605	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 1108891	+++++ 1471017	27914 2914419	352418	741782	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 308515	+++++ 626323	66654 1549275	131994	226444	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68234

SDG No.: 200-20955-2

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 581305	5524 786498	15093 1580002	183849	383629	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 237523	+++++ 324034	+++++ 626835	76637	155867	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon 113	BCM	Ave	+++++ 2306374	35110 3038104	79395 5837171	808116	1592514	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 1078004	12306 1440385	30544 2826103	354054	739217	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 1125892	+++++ 1591853	+++++ 2879495	391667	750249	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2596279	+++++ 3234115	76631 6427705	831075	1626028	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 961747	+++++ 1302161	+++++ 2486222	316558	638753	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Allyl chloride	BCM	Ave	+++++ 829304	7746 1129901	17007 2265645	252541	543129	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 411094	+++++ 566435	+++++ 1093925	142489	277223	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 744018	+++++ 1005390	28417 2025034	257469	505909	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1783773	+++++ 2441672	+++++ 4658737	535129	1146724	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 3170295	25387 4285532	64978 8388437	980616	2031361	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1292403	14677 1723602	38176 3411936	433458	867076	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 496804	+++++ 668184	12951 1365965	159777	326101	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexane	BCM	Ave	+++++ 1189586	9334 1605996	26195 3163901	385941	788682	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	4265 1595192	22977 2164552	50341 4305646	539837	1069009	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1751501	+++++ 2410980	33466 4741059	542530	1146393	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1141574	11760 1582116	32364 3084080	386761	774715	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 466744	+++++ 636539	16509 1211726	154286	313135	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 94117	+++++ 126901	+++++ 253596	30878	61836	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 690927	+++++ 952136	+++++ 1880073	222914	457039	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68234

SDG No.: 200-20955-2

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2430240	34468 3317829	82871 6452059	839011	1649325	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1414803	12613 1919134	33475 3634256	469748	957033	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2917040	39303 3959774	92001 7644188	987246	1968604	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	8697 3218312	44782 4337444	101161 8456206	1073132	2161114	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3911322	30569 5233844	82834 9832262	1284681	2610676	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 3027632	39250 4071533	98915 7794483	1074151	2086670	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1547719	20756 2108882	47698 4176790	515799	1031280	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Heptane	DFB	Ave	+++++ 1220006	8920 1627119	26991 3119323	404843	813077	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 393100	+++++ 578640	+++++ 1126195	109119	273216	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	3407 1614737	18767 2178196	47767 4215341	548439	1093818	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 947244	12023 1268562	28669 2485785	315796	633574	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1068481	+++++ 1439673	23159 2888354	334014	689745	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 550207	+++++ 728137	+++++ 1345638	196887	391865	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 1894498	26683 2490929	62781 4755977	673103	1293999	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 2748878	34126 3678848	83907 7195458	924191	1820765	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1750127	13630 2400930	34655 4831261	545437	1150881	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1678347	+++++ 2240568	31716 4374920	535897	1109388	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1590149	11592 2074970	37852 3789224	579055	1086165	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 2371159	25558 3095855	73260 5834314	882590	1640930	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1979602	15715 2696132	44645 5475160	619426	1285366	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1153540	14922 1543025	35957 3044405	399446	772501	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68234

SDG No.: 200-20955-2

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	6037 2885651	35883 3817042	88985 7188363	1020413	1955557	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1521211	+++++ 2111642	21708 4156948	443501	999194	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 3381129	36375 4523936	93585 8774775	1138452	2243618	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2498481	25783 3368163	66106 6625295	829518	1647907	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 3746501	53470 4973639	129862 9580082	1330706	2507389	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 5769956	58807 7636888	155744 14213914	2028333	3850088	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 1956375	17070 2571881	53782 4793442	696553	1317312	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 4513409	46562 5905377	139833 10940635	1675100	3079468	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 2337173	17232 3079865	52242 5820499	826439	1565048	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 3533241	22885 4677097	77369 8924095	1240344	2307779	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 3495836	34644 4598090	92486 8504614	1186666	2310981	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 7235379	49913 9442987	172015 16571499	2596374	4904975	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3081214	42226 4060277	103396 7354083	1112645	2110021	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 8010892	73520 10306137	219094 17147954	2968983	5484899	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2458252	+++++ 3249502	83276 5927464	882232	1679144	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 2713052	+++++ 3487876	72633 6090541	992488	1831550	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 7409410	77066 9515286	226925 16015232	2744394	5051019	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6297673	74427 8101828	201834 14469307	2311137	4210305	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 6799820	74782 8755104	208827 15053321	2501007	4581558	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 3365446	17264 4431870	53663 8283686	1135811	2172262	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6641827	63525 8571312	204550 14879192	2538938	4623515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20955-2 Analy Batch No.: 68234

SDG No.: 200-20955-2

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6788417	58508 8763488	192945 15215793	2503522	4494942	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 9059791	86979 11547049	274870 19130372	3515887	6292317	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 8287851	67956 10584636	228988 17749239	3130978	5659873	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 4808668	52373 6295982	143765 11371054	1675063	2996936	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 4756349	42316 6263556	120110 11376207	1579835	2911165	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 4855035	23594 6747945	70400 13049488	1396458	2879263	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 2770918	+++++ 3484036	+++++ 5961631	1039378	1771437	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6158663	55546 7909203	183834 13698552	2306191	4052857	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 4708714	49347 6199708	136043 11211062	1648253	2985364	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 2361611	+++++ 3032210	+++++ 921744	643320	1198806	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 2957719	+++++ 4005998	40734 6630259	776311	1455819	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachloro-1,3-butadiene	CBZ	Ave	+++++ 3811308	48507 4829134	117807 5670385	1379928	2517277	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 6251138	+++++ 8113281	47038 14116069	1507181	2874765	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 2955162	19032 3927460	35855 4461825	837537	1579192	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_004.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-Feb-2014 19:12:30 ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-004
Misc. Info.: IC 01
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:35:23 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:19:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.383					
2 Dichlorodifluoromethane	85		4.479					
6 Chlorodifluoromethane	51		4.544					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.832					
8 Chloromethane	50		5.025					
9 Butane	43		5.287					
10 Vinyl chloride	62	5.341	5.346	-0.005	22	2173	0.0492	
11 Butadiene	54		5.442					
13 BFB								
12 Bromomethane	94		6.314					
14 Chloroethane	64		6.598					
15 2-Methylbutane	43		6.678					
16 Vinyl bromide	106		7.079					
17 Trichlorofluoromethane	101		7.192					
18 Pentane	43		7.357					
19 Ethanol	45		7.796					
21 Ethyl ether	59		7.941					
22 Acrolein	56		8.406					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.443					
24 1,1-Dichloroethene	96		8.518					
25 Acetone	43		8.748					
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.032					
29 3-Chloro-1-propene	41		9.406					
30 Acetonitrile	41		9.535					
31 Methylene Chloride	49		9.733					
32 2-Methyl-2-propanol	59		9.904					
33 Methyl tert-butyl ether	73		10.161					
S 41 1,2-Dichloroethene, Total	61		10.200					
34 trans-1,2-Dichloroethene	61		10.236					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	35 Acrylonitrile	53		10.385						
	36 Hexane	57		10.653						
	37 1,1-Dichloroethane	63	11.215	11.199	0.016	28	4265	0.0488		
	38 Vinyl acetate	43		11.236						
	39 cis-1,2-Dichloroethene	96		12.375						
	40 2-Butanone (MEK)	72		12.392						
	42 Ethyl acetate	88		12.413						
	44 Tetrahydrofuran	42		12.846						
*	43 Chlorobromomethane	128	12.857	12.852	0.005	69	390192	10.0		
	45 Chloroform	83		12.964						
	46 Cyclohexane	84		13.264						
	47 1,1,1-Trichloroethane	97		13.280						
	48 Carbon tetrachloride	117	13.531	13.531	0.0	76	8697	0.0493		
	51 Isooctane	57		13.927						
	50 Benzene	78		13.986						
	52 1,2-Dichloroethane	62		14.141						
	53 n-Heptane	43		14.275						
*	54 1,4-Difluorobenzene	114	14.746	14.745	0.001	92	1852198	10.0		
A	57 GRO	1	14.769	6.668 -	22.871	0	946300	0		
	55 n-Butanol	56		15.024						
	56 Trichloroethene	95	15.206	15.211	-0.005	63	3407	0.0410		M
	58 1,2-Dichloropropane	63		15.730						
	59 Methyl methacrylate	69		15.815						
	60 1,4-Dioxane	88		15.901						
	61 Dibromomethane	174		15.970						
	62 Dichlorobromomethane	83		16.222						
A	63 TVOC as Toluene	1		4.373	28.889					
	64 cis-1,3-Dichloropropene	75		17.083						
	65 4-Methyl-2-pentanone (MIBK)	43		17.324						
A	68 C8 Range	1	17.656	17.606	-17.706	0	21364	NC		
	69 n-Octane	43		17.656						
	66 Toluene	92		17.661						
A	67 Toluene Range	1	17.661	17.621	-17.701	0	21364	NC		
	70 trans-1,3-Dichloropropene	75		18.191						
	71 1,1,2-Trichloroethane	83		18.560						
	72 Tetrachloroethene	166	18.694	18.699	-0.005	75	6037	0.0426		M
	73 2-Hexanone	43		18.950						
	74 Chlorodibromomethane	129		19.314						
	75 Ethylene Dibromide	107		19.603						
S	82 Xylenes, Total	106		20.100						
*	76 Chlorobenzene-d5	117	20.443	20.443	0.0	83	1569098	10.0		
	77 Chlorobenzene	112		20.502						
	78 Ethylbenzene	91		20.614						
	79 n-Nonane	57		20.673						
	80 m-Xylene & p-Xylene	106		20.833						
	83 o-Xylene	106		21.545						
	84 Styrene	104		21.582						
	85 Bromoform	173		21.962						
	86 Isopropylbenzene	105		22.112						
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1030107	NC		
	88 1,1,2,2-Tetrachloroethane	83		22.668						
	90 N-Propylbenzene	91		22.743						

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
89 1,2,3-Trichloropropane			75	22.770			
93 n-Decane			57	22.861			
91 4-Ethyltoluene			105	22.909			
92 2-Chlorotoluene			91	22.946			
94 1,3,5-Trimethylbenzene			105	23.005			
95 Alpha Methyl Styrene			118	23.353			
96 tert-Butylbenzene			119	23.481			
97 1,2,4-Trimethylbenzene			105	23.572			
98 sec-Butylbenzene			105	23.808			
99 4-Isopropyltoluene			119	24.011			
100 1,3-Dichlorobenzene			146	24.081			
101 1,4-Dichlorobenzene			146	24.225			
102 Benzyl chloride			91	24.434			
104 Undecane			57	24.626			
103 n-Butylbenzene			91	24.653			
105 1,2-Dichlorobenzene			146	24.830			
106 Dodecane			57	26.434			
107 1,2,4-Trichlorobenzene			180	27.724			
108 Hexachlorobutadiene			225	27.927			
109 Naphthalene			128	28.312			
110 1,2,3-Trichlorobenzene			180	28.879			

QC Flag Legend

Review Flags
M - Manually Integrated

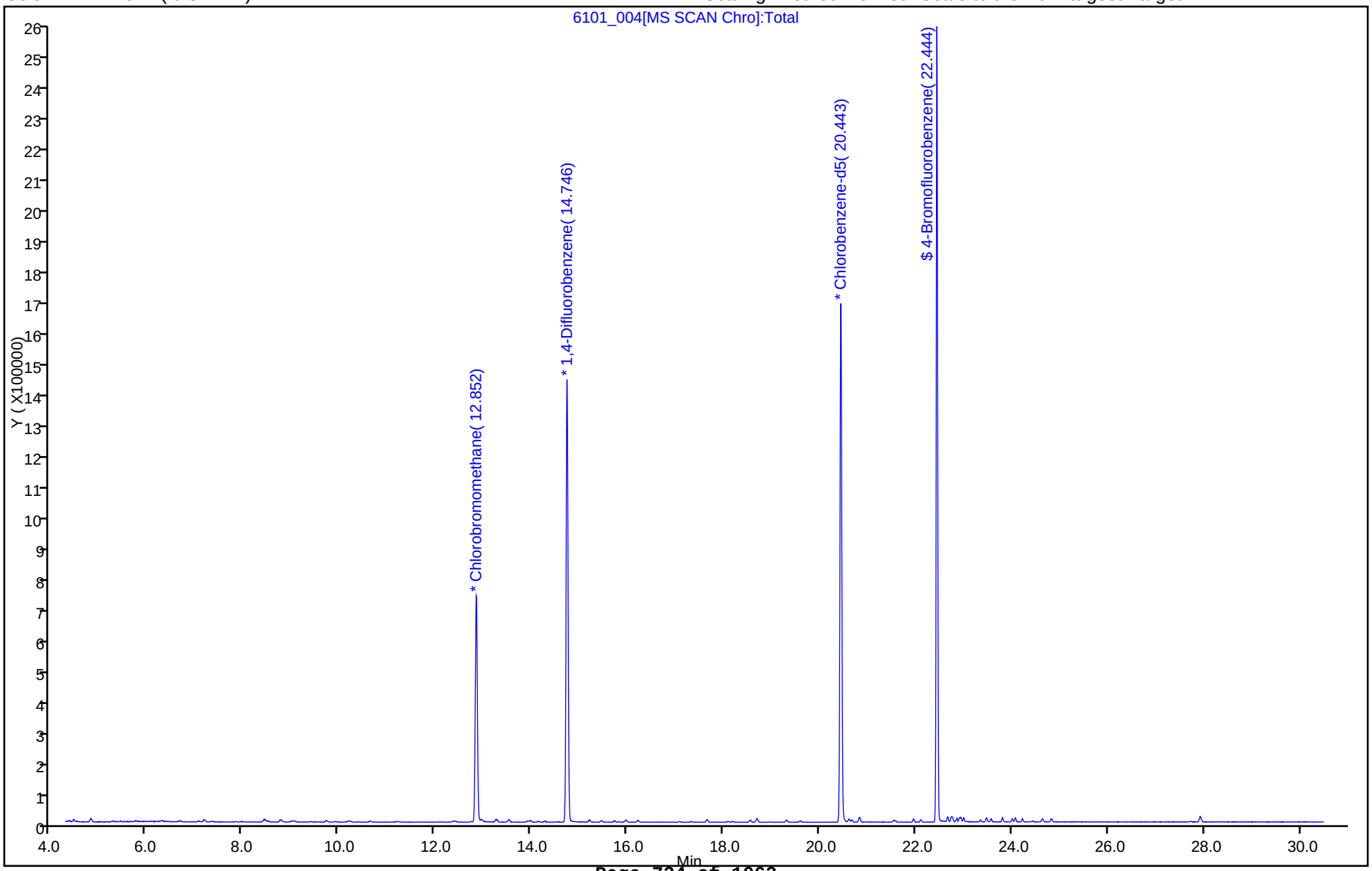
Report Date: 12-Feb-2014 09:35:25 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_004.d

Injection Date:	11-Feb-2014 19:12:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

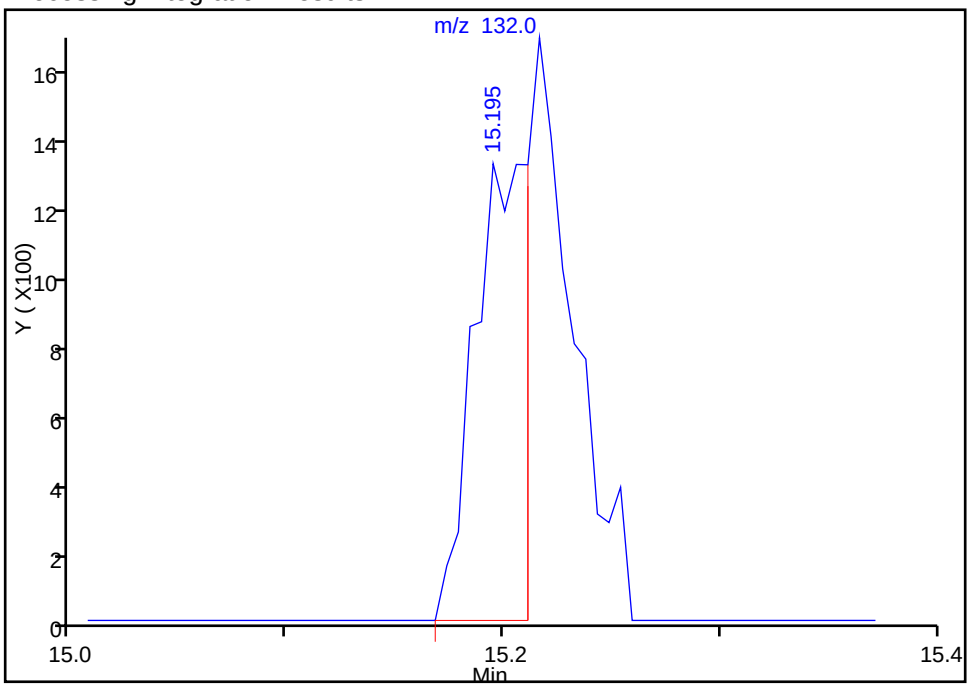
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_004.d				
Injection Date:	11-Feb-2014 19:12:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

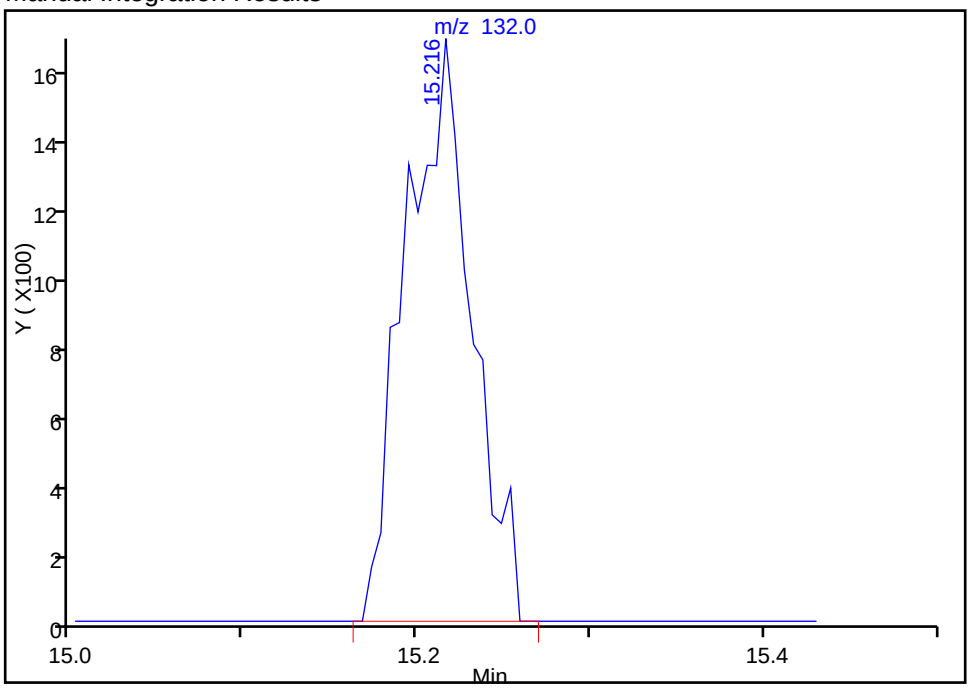
Processing Integration Results

RT: 15.19
Response: 2350
Amount: 0.045894



Manual Integration Results

RT: 15.22
Response: 4494
Amount: 0.041004



Reviewer: lyonsb, 12-Feb-2014 09:19:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

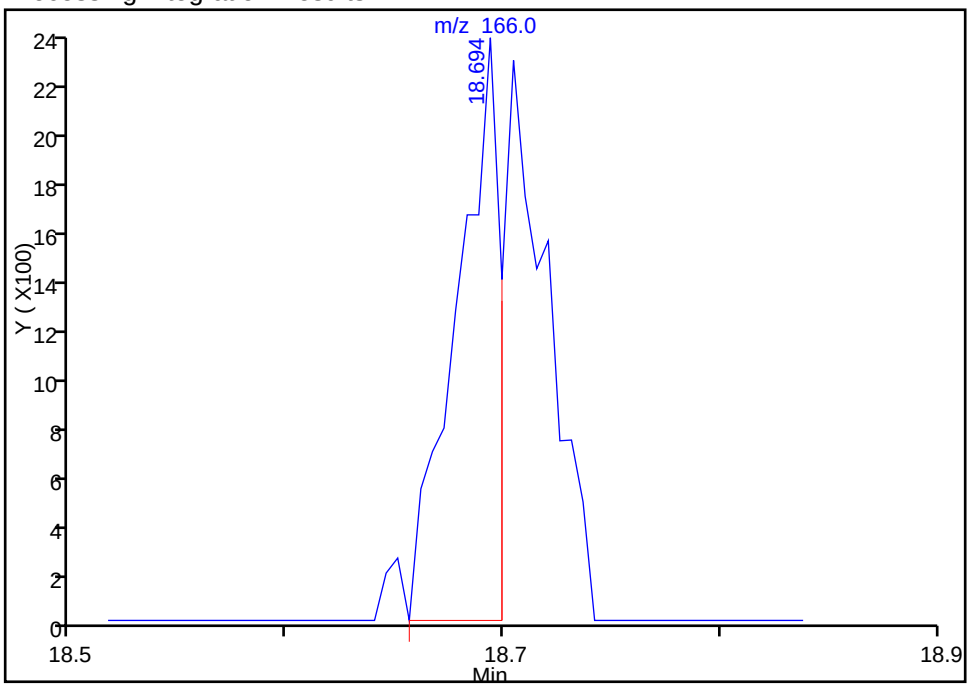
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_004.d				
Injection Date:	11-Feb-2014 19:12:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

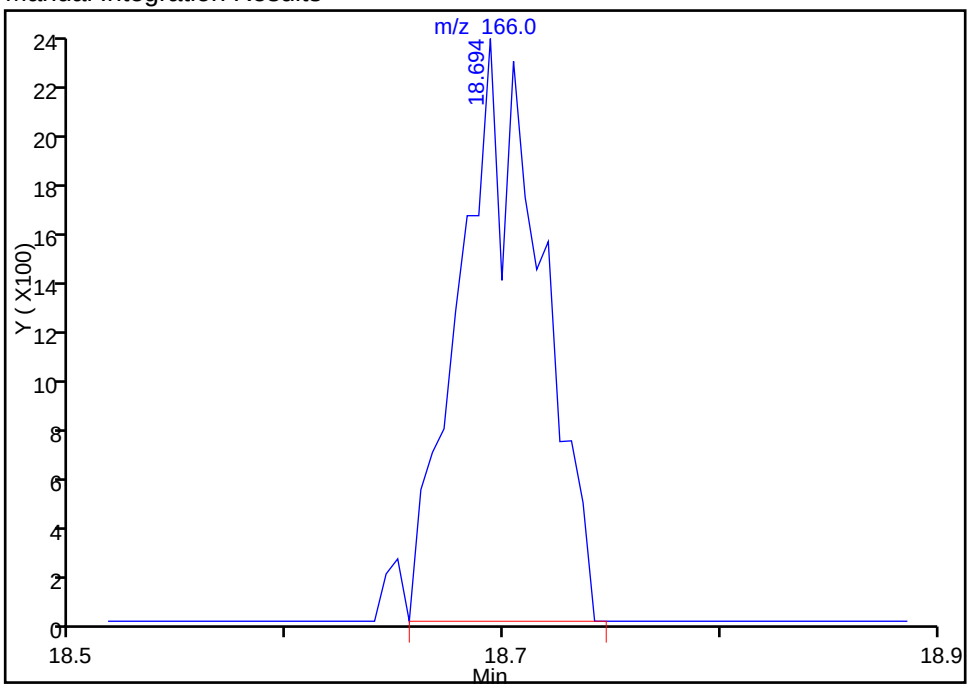
Processing Integration Results

RT: 18.69
Response: 3238
Amount: 0.026017



Manual Integration Results

RT: 18.69
Response: 6037
Amount: 0.042635



Reviewer: lyonsb, 12-Feb-2014 09:19:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

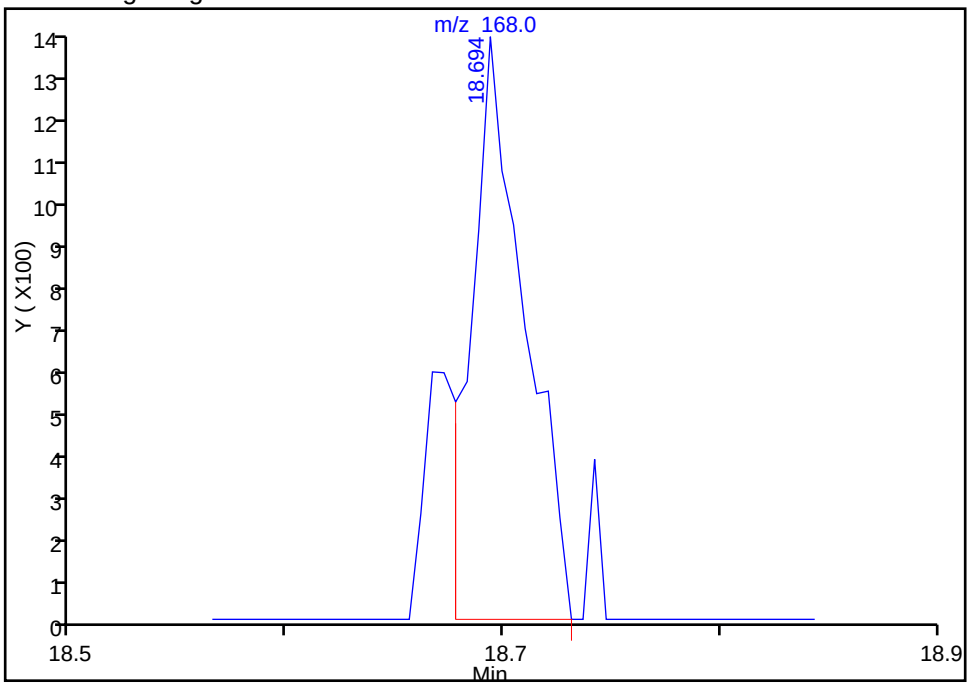
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_004.d				
Injection Date:	11-Feb-2014 19:12:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

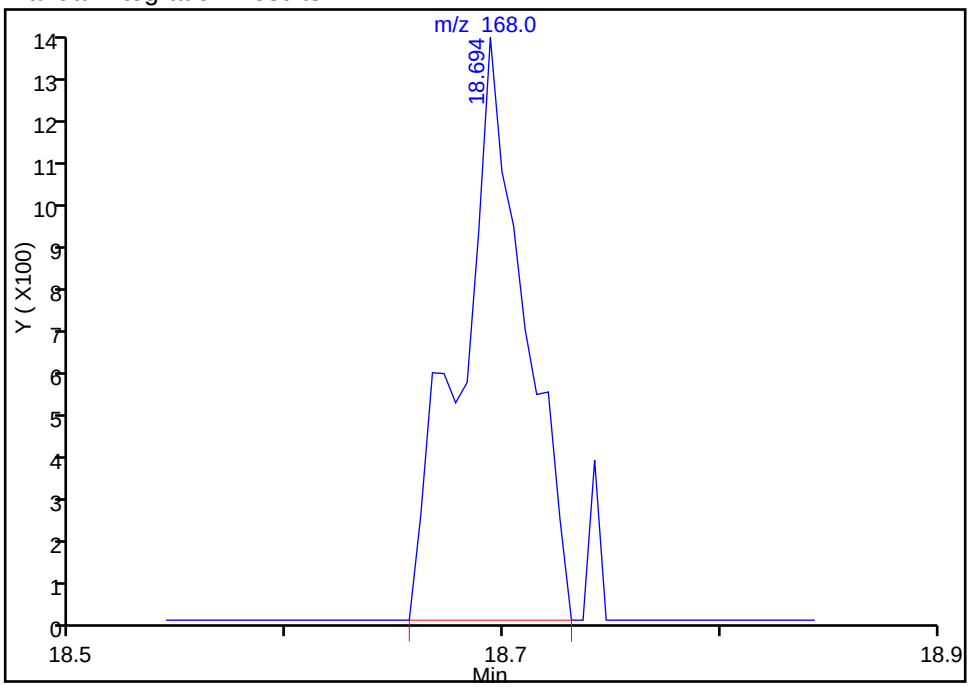
Processing Integration Results

RT: 18.69
Response: 2394
Amount: 0.026017



Manual Integration Results

RT: 18.69
Response: 2855
Amount: 0.042635



Reviewer: lyonsb, 12-Feb-2014 09:19:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

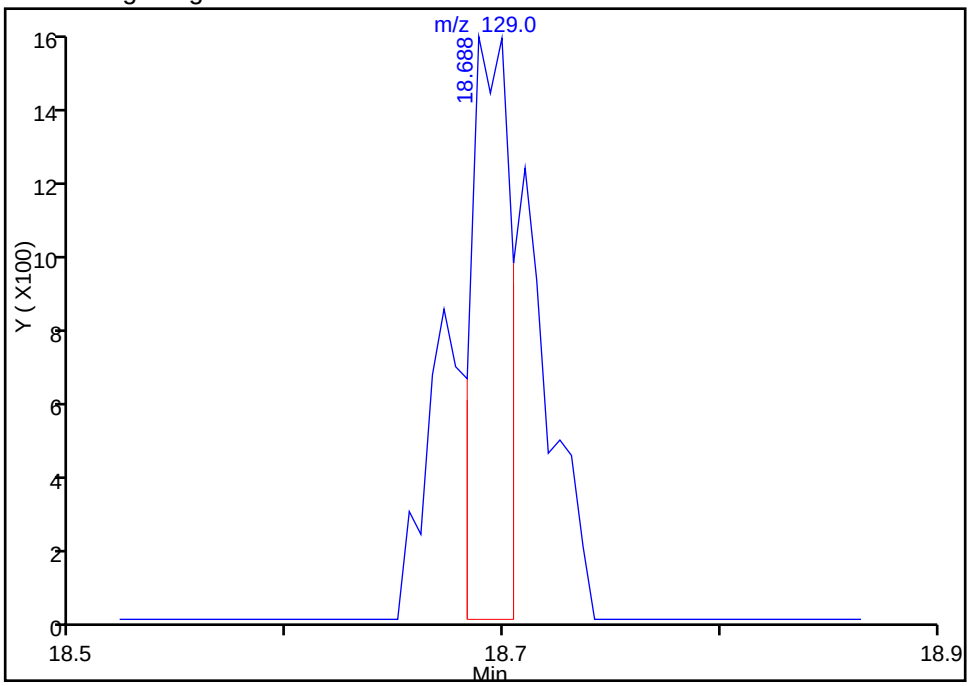
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_004.d				
Injection Date:	11-Feb-2014 19:12:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

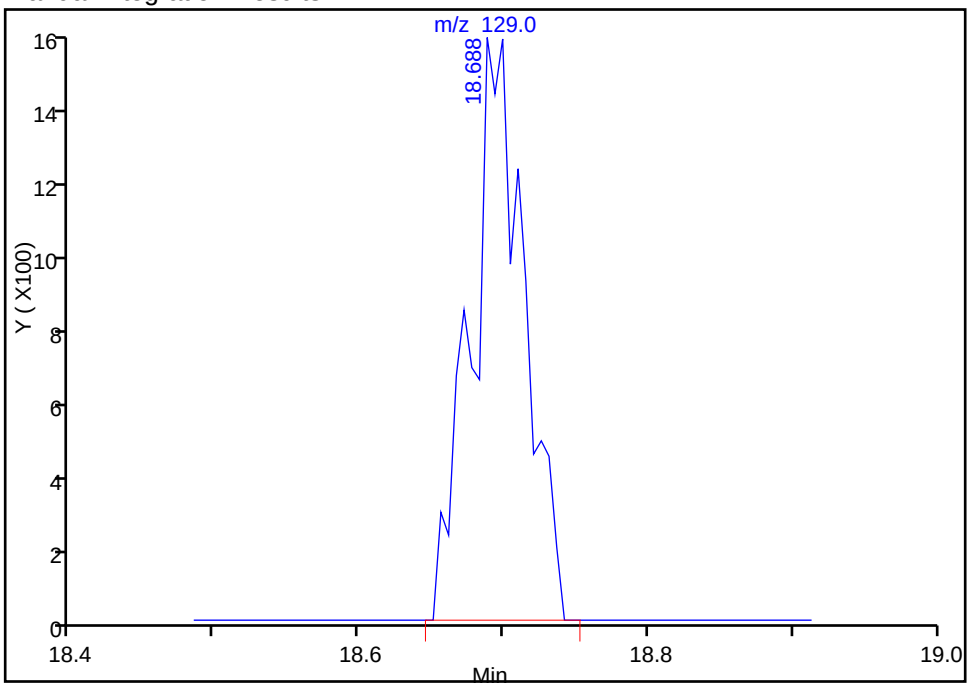
Processing Integration Results

RT: 18.69
Response: 2002
Amount: 0.026017



Manual Integration Results

RT: 18.69
Response: 4079
Amount: 0.042635



Reviewer: lyonsb, 12-Feb-2014 09:19:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Report Date: 12-Feb-2014 09:35:27 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-Feb-2014 20:02:30 ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-005
Misc. Info.: IC 02
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:35:25 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:18:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.372	4.383	-0.011	89	7919	0.2883	
2 Dichlorodifluoromethane	85	4.469	4.479	-0.010	88	51787	0.2721	
6 Chlorodifluoromethane	51	4.533	4.544	-0.011	69	19913	0.2762	M
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.822	4.832	-0.010	81	41809	0.2576	
8 Chloromethane	50	5.020	5.025	-0.005	93	8987	0.2743	M
9 Butane	43	5.277	5.287	-0.010	82	12854	0.2421	
10 Vinyl chloride	62	5.335	5.346	-0.011	60	10997	0.2333	
11 Butadiene	54	5.437	5.442	-0.005	85	6138	0.2117	
13 BFB								
12 Bromomethane	94	6.309	6.314	-0.005	88	12744	0.2614	
14 Chloroethane	64	6.598	6.598	0.0	69	6858	0.2734	
15 2-Methylbutane	43	6.684	6.678	0.006	88	9879	0.2438	
16 Vinyl bromide	106	7.079	7.079	0.0	90	14315	0.2203	
17 Trichlorofluoromethane	101	7.186	7.192	-0.006	94	54715	0.2565	
18 Pentane	43	7.363	7.357	0.006	94	12437	0.2190	
19 Ethanol	45	7.839	7.796	0.043	86	8302	0.6976	M
21 Ethyl ether	59	7.957	7.941	0.016	79	5524	0.1860	
22 Acrolein	56	8.433	8.406	0.027	1	2718	0.2177	M
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.449	8.443	0.006	89	35110	0.2630	
24 1,1-Dichloroethene	96	8.519	8.518	0.0	81	12306	0.2140	
25 Acetone	43	8.770	8.748	0.022	83	41430	0.6856	
26 Carbon disulfide	76	9.005	9.000	0.005	96	33981	0.2566	
27 Isopropyl alcohol	45	9.053	9.032	0.021	86	12986	0.2565	
29 3-Chloro-1-propene	41	9.396	9.406	-0.010	70	7746	0.1894	M
30 Acetonitrile	41	9.556	9.535	0.021	93	5686	0.2567	
31 Methylene Chloride	49	9.733	9.733	0.0	67	13057	0.3103	
32 2-Methyl-2-propanol	59	9.936	9.904	0.032	92	14141	0.1539	
33 Methyl tert-butyl ether	73	10.177	10.161	0.016	91	25387	0.1668	M
S 41 1,2-Dichloroethene, Total	61				0		0.4054	
34 trans-1,2-Dichloroethene	61	10.225	10.236	-0.011	69	14677	0.2117	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	35 Acrylonitrile	53	10.391	10.385	0.006	78	5168	0.2004	M
	36 Hexane	57	10.664	10.653	0.011	81	9334	0.1603	M
	37 1,1-Dichloroethane	63	11.199	11.199	0.0	87	22977	0.2463	
	38 Vinyl acetate	43	11.247	11.236	0.011	96	12486	0.1440	
	39 cis-1,2-Dichloroethene	96	12.376	12.375	0.001	73	11760	0.1936	
	40 2-Butanone (MEK)	72	12.397	12.392	0.005	91	5115	0.1999	
	42 Ethyl acetate	88	12.418	12.413	0.005	91	942	0.1894	M
	44 Tetrahydrofuran	42	12.884	12.846	0.038	26	6984	0.1850	
*	43 Chlorobromomethane	128	12.852	12.852	0.0	69	416155	10.0	
	45 Chloroform	83	12.959	12.964	-0.005	92	34468	0.2472	
	46 Cyclohexane	84	13.269	13.264	0.005	48	12613	0.1732	M
	47 1,1,1-Trichloroethane	97	13.285	13.280	0.005	87	39303	0.2360	M
	48 Carbon tetrachloride	117	13.526	13.531	-0.005	88	44782	0.2355	
	51 Isooctane	57	13.927	13.927	0.0	94	30569	0.1576	
	50 Benzene	78	13.991	13.986	0.005	93	39250	0.2258	
	52 1,2-Dichloroethane	62	14.136	14.141	-0.005	86	20756	0.2359	
	53 n-Heptane	43	14.291	14.275	0.016	54	8920	0.1473	M
*	54 1,4-Difluorobenzene	114	14.746	14.745	0.001	92	1994908	10.0	
A	57 GRO	1	14.769	6.668 - 22.871		0	4828527	0	
	55 n-Butanol	56	15.050	15.024	0.026	80	3340	0.1548	M
	56 Trichloroethene	95	15.206	15.211	-0.005	91	18767	0.2097	
	58 1,2-Dichloropropane	63	15.725	15.730	-0.005	78	12023	0.2271	
	59 Methyl methacrylate	69	15.826	15.815	0.011	62	6449	0.1175	
	60 1,4-Dioxane	88	15.928	15.901	0.027	62	6387	0.2099	M
	61 Dibromomethane	174	15.971	15.970	0.001	83	26683	0.2431	
	62 Dichlorobromomethane	83	16.222	16.222	0.0	95	34126	0.2227	
A	63 TVOC as Toluene	1	16.631	4.373 - 28.889		0	8245530	57.0	
	64 cis-1,3-Dichloropropene	75	17.083	17.083	0.0	75	13630	0.1573	M
	65 4-Methyl-2-pentanone (MIBK)	43	17.324	17.324	0.0	90	10964	0.1292	
A	68 C8 Range	1	17.656	17.606 - 17.706		0	170333	NC	
	69 n-Octane	43	17.661	17.656	0.005	67	11592	0.1444	
	66 Toluene	92	17.666	17.661	0.005	93	25558	0.2013	
A	67 Toluene Range	1	17.661	17.621 - 17.701		0	170333	NC	
	70 trans-1,3-Dichloropropene	75	18.185	18.191	-0.006	75	15715	0.1580	M
	71 1,1,2-Trichloroethane	83	18.555	18.560	-0.005	89	14922	0.2357	
	72 Tetrachloroethene	166	18.694	18.699	-0.005	94	35883	0.2271	
	73 2-Hexanone	43	18.956	18.950	0.006	80	6782	0.0949	M
	74 Chlorodibromomethane	129	19.314	19.314	0.0	94	36375	0.2069	
	75 Ethylene Dibromide	107	19.592	19.603	-0.011	94	25783	0.2007	
S	82 Xylenes, Total	106				0		0.5417	
*	76 Chlorobenzene-d5	117	20.443	20.443	0.0	83	1750944	10.0	
	77 Chlorobenzene	112	20.496	20.502	-0.006	81	53470	0.2517	
	78 Ethylbenzene	91	20.614	20.614	0.0	95	58807	0.1982	M
	79 n-Nonane	57	20.673	20.673	0.0	70	17070	0.1724	
	80 m-Xylene & p-Xylene	106	20.834	20.833	0.001	100	46562	0.3891	
	83 o-Xylene	106	21.545	21.545	0.0	88	17232	0.1526	
	84 Styrene	104	21.582	21.582	0.0	72	22885	0.1366	M
	85 Bromoform	173	21.962	21.962	0.0	98	34644	0.1959	
	86 Isopropylbenzene	105	22.112	22.112	0.0	89	49913	0.1437	
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1125306	NC	
	88 1,1,2,2-Tetrachloroethane	83	22.668	22.668	0.0	89	42226	0.2454	
	90 N-Propylbenzene	91	22.743	22.743	0.0	98	73520	0.1819	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.770	22.770	0.0	90	34156	0.2579	
93	n-Decane	57	22.856	22.861	-0.005	76	21625	0.1560	
91	4-Ethyltoluene	105	22.909	22.909	0.0	85	77066	0.1994	
92	2-Chlorotoluene	91	22.941	22.946	-0.005	87	74427	0.2202	
94	1,3,5-Trimethylbenzene	105	23.000	23.005	-0.005	91	74782	0.2090	
95	Alpha Methyl Styrene	118	23.353	23.353	0.0	80	17264	0.1158	
96	tert-Butylbenzene	119	23.476	23.481	-0.005	91	63525	0.1828	
97	1,2,4-Trimethylbenzene	105	23.567	23.572	-0.005	93	58508	0.1714	
98	sec-Butylbenzene	105	23.803	23.808	-0.005	97	86979	0.1849	
99	4-Isopropyltoluene	119	24.011	24.011	0.0	82	67956	0.1642	
100	1,3-Dichlorobenzene	146	24.075	24.081	-0.006	97	52373	0.2105	
101	1,4-Dichlorobenzene	146	24.220	24.225	-0.005	96	42316	0.1827	
102	Benzyl chloride	91	24.429	24.434	-0.005	91	23594	0.1134	
104	Undecane	57	24.632	24.626	0.006	81	16003	0.1139	
103	n-Butylbenzene	91	24.648	24.653	-0.005	93	55546	0.1770	
105	1,2-Dichlorobenzene	146	24.835	24.830	0.005	96	49347	0.2037	
106	Dodecane	57	26.440	26.434	0.006	74	5276	0.0574	
107	1,2,4-Trichlorobenzene	180	27.719	27.724	-0.005	63	16995	0.1366	
108	Hexachlorobutadiene	225	27.922	27.927	-0.005	92	48507	0.2465	
109	Naphthalene	128	28.302	28.312	-0.010	88	24028	0.0990	M
110	1,2,3-Trichlorobenzene	180	28.879	28.879	0.0	77	19032	0.1641	

QC Flag Legend

Review Flags
M - Manually Integrated

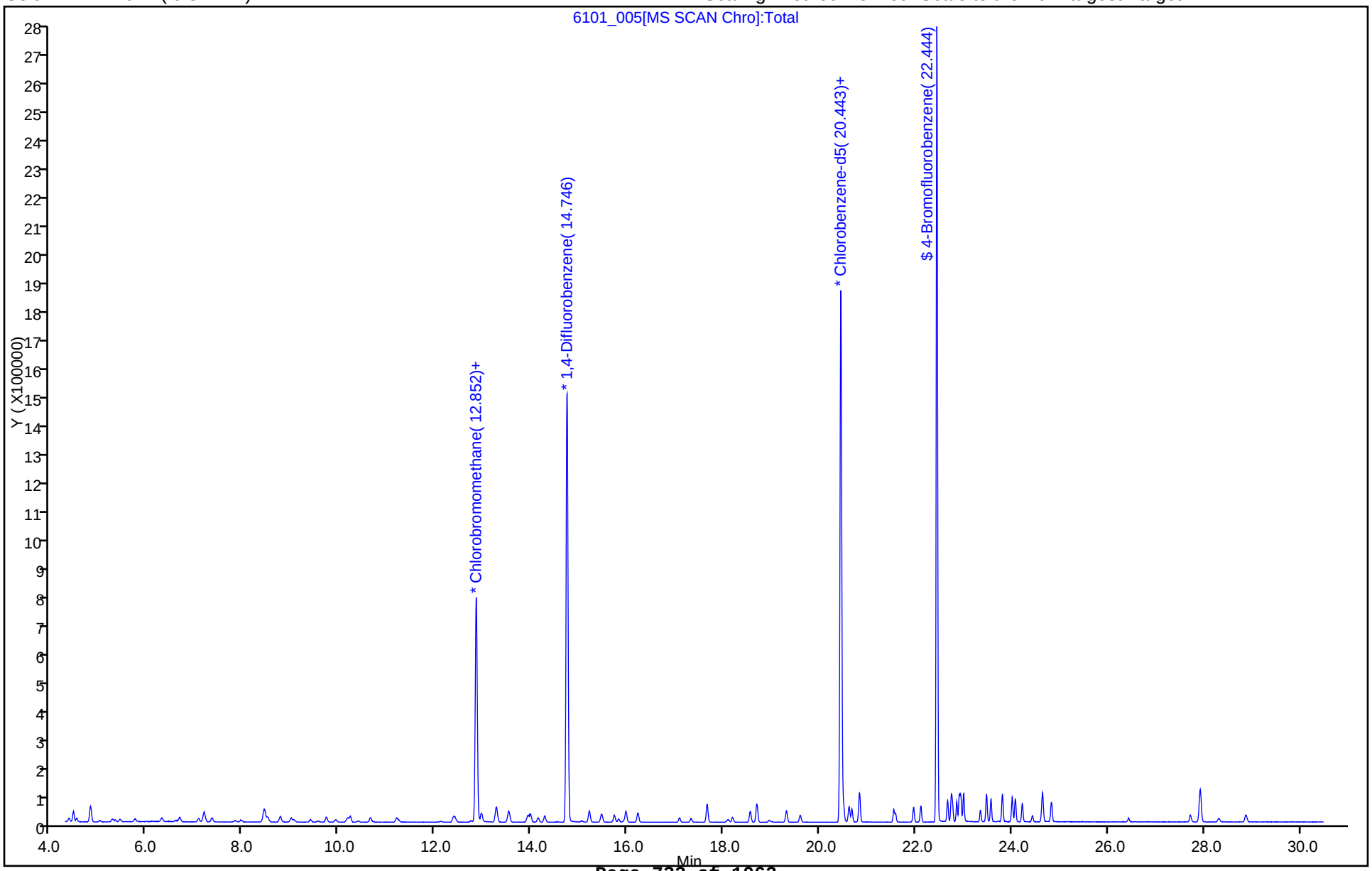
Report Date: 12-Feb-2014 09:35:27 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d

Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

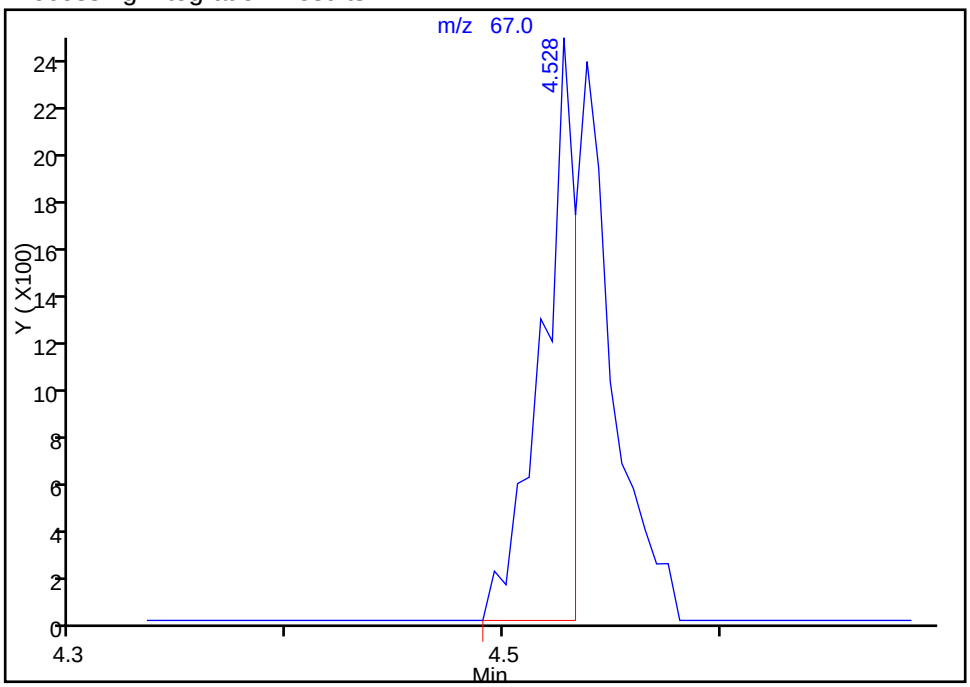
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6

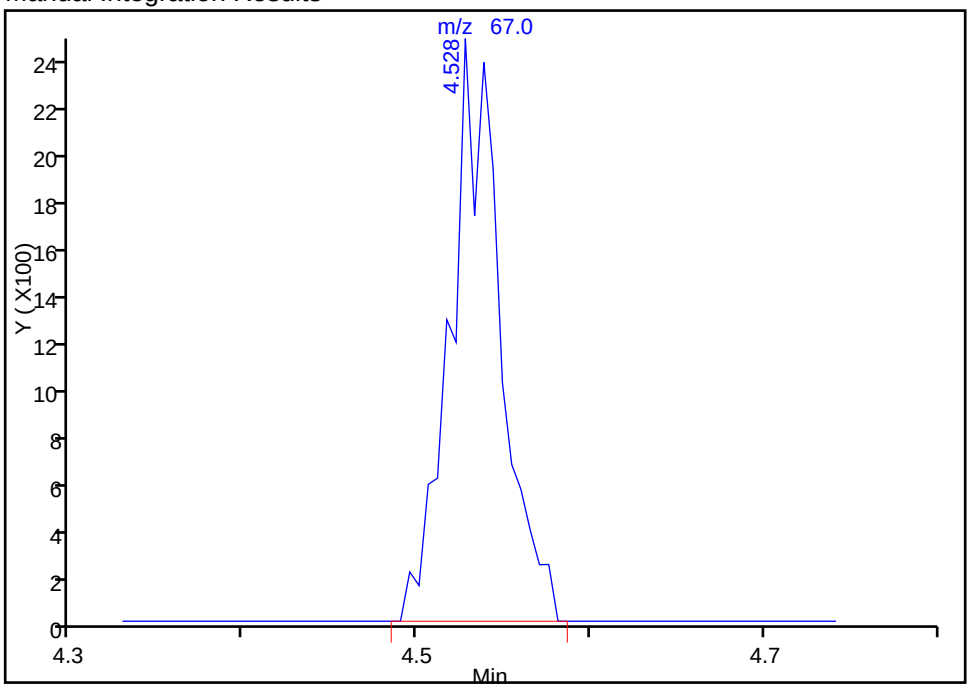
Processing Integration Results

RT: 4.53
Response: 2658
Amount: 0.291066



Manual Integration Results

RT: 4.53
Response: 5054
Amount: 0.276187



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

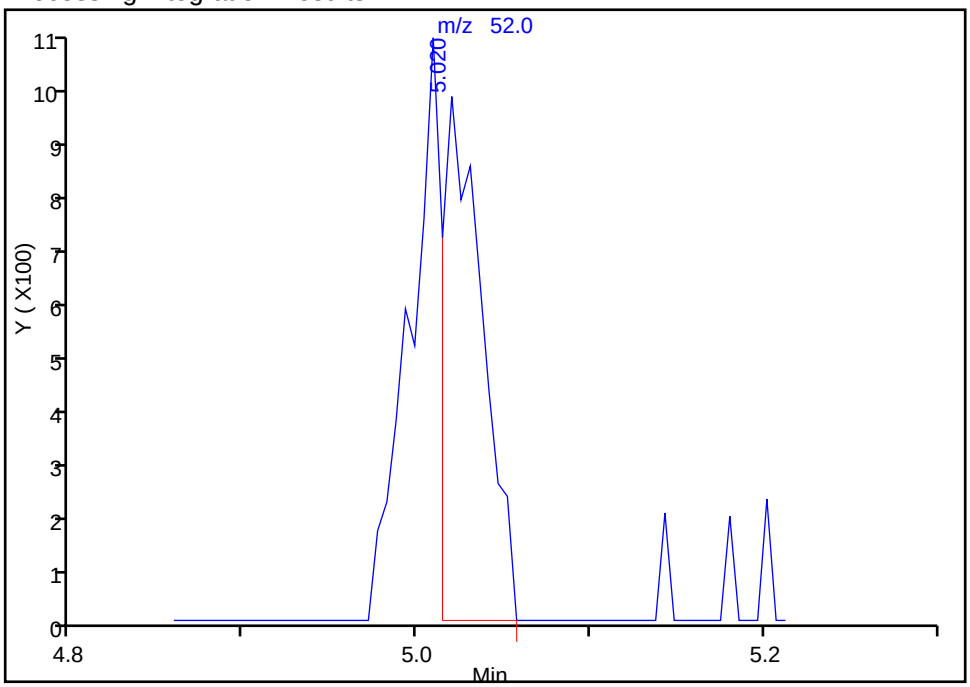
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3

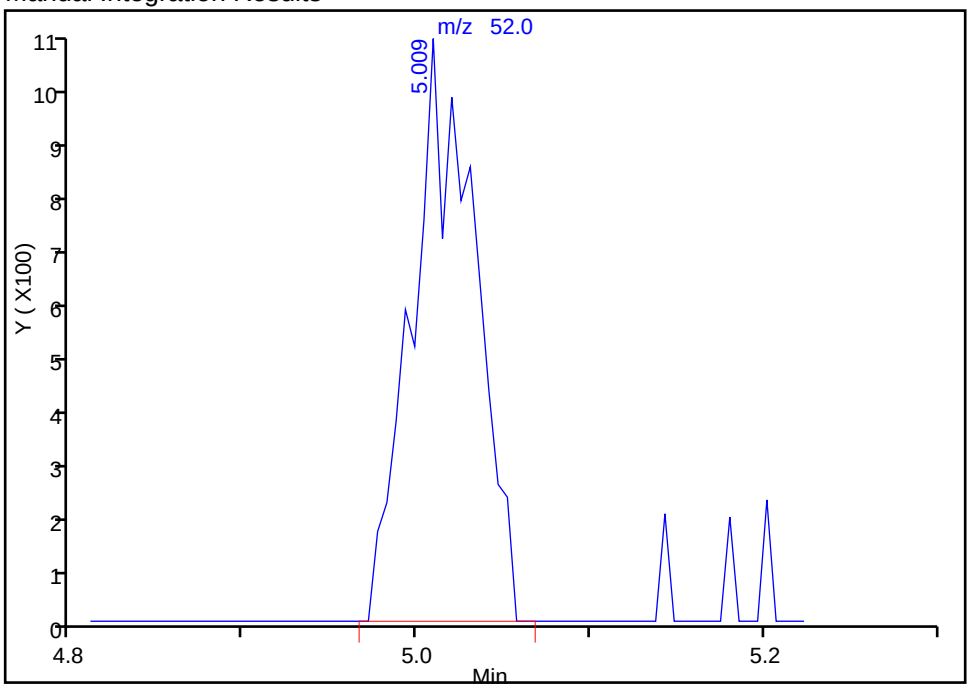
Processing Integration Results

RT: 5.02
Response: 1572
Amount: 0.293440



Manual Integration Results

RT: 5.01
Response: 2760
Amount: 0.274303



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

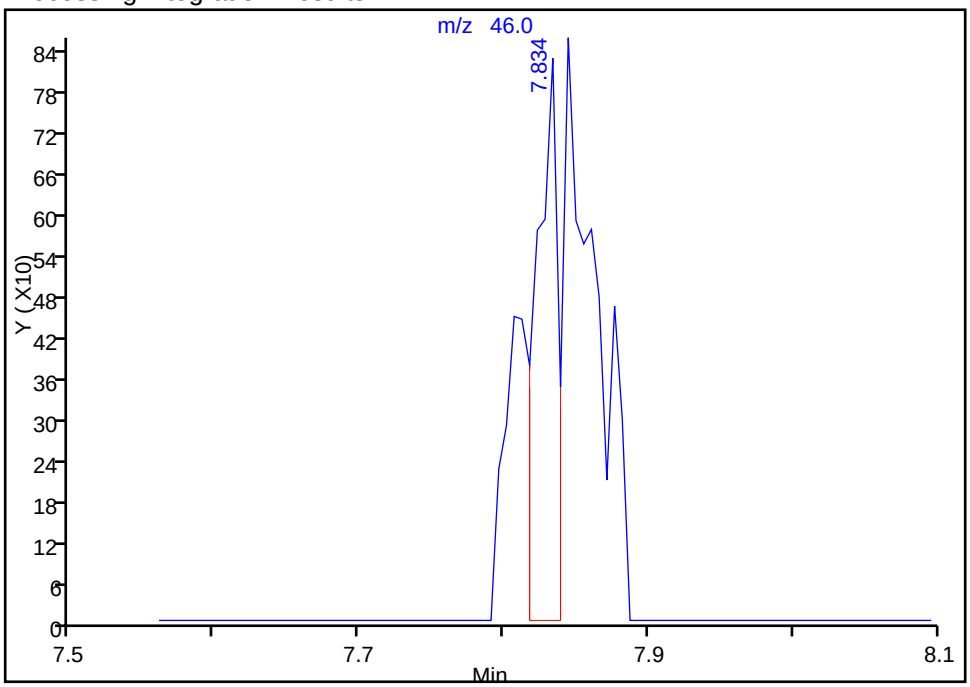
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

19 Ethanol, CAS: 64-17-5

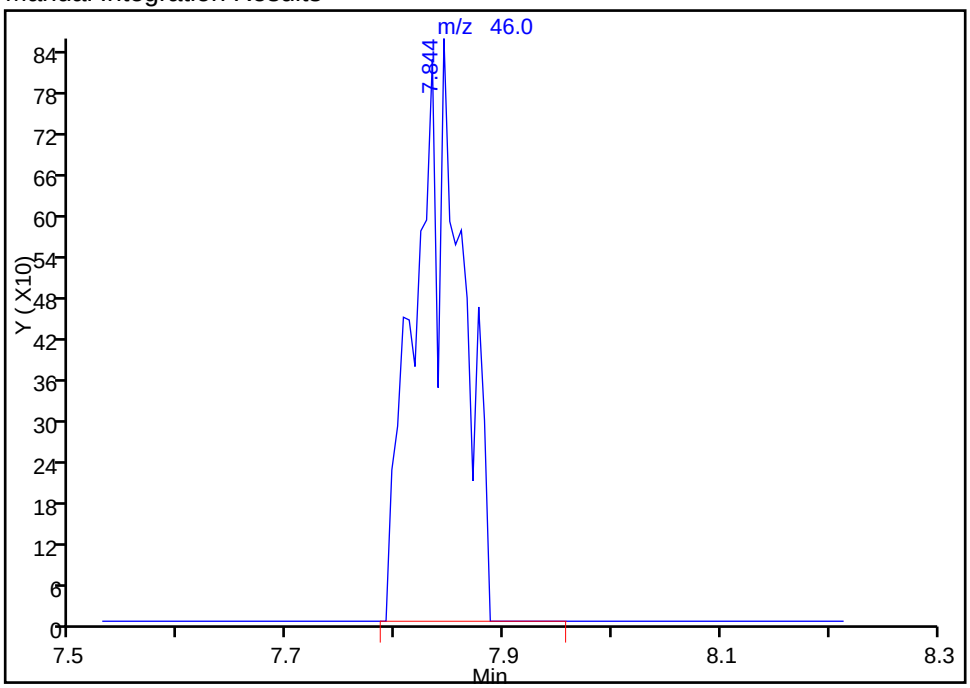
Processing Integration Results

RT: 7.83
Response: 863
Amount: 0.710735



Manual Integration Results

RT: 7.84
Response: 2589
Amount: 0.697629



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

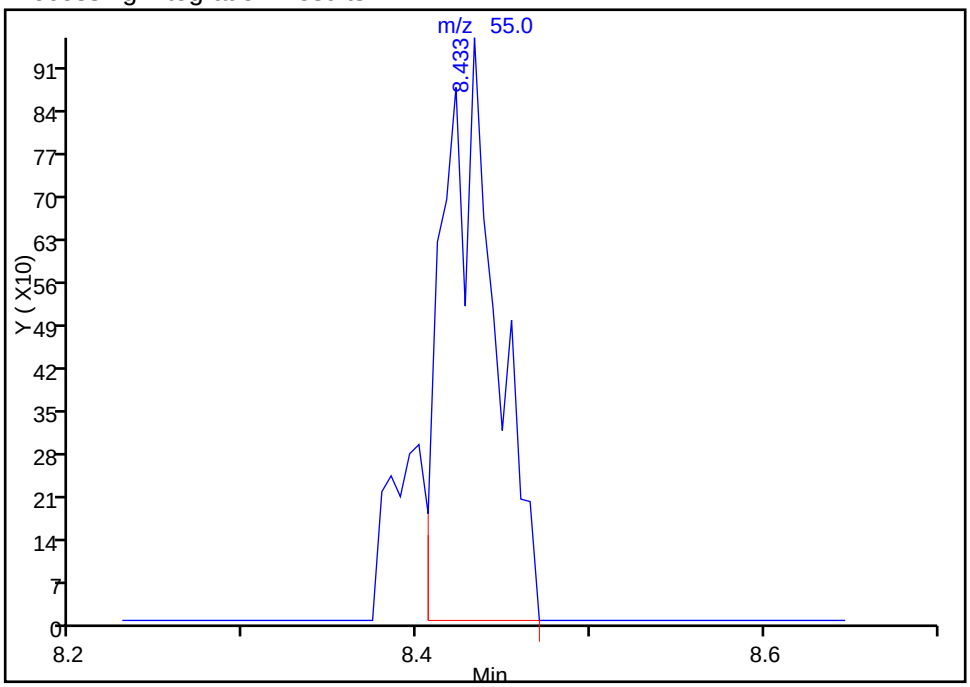
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 Acrolein, CAS: 107-02-8

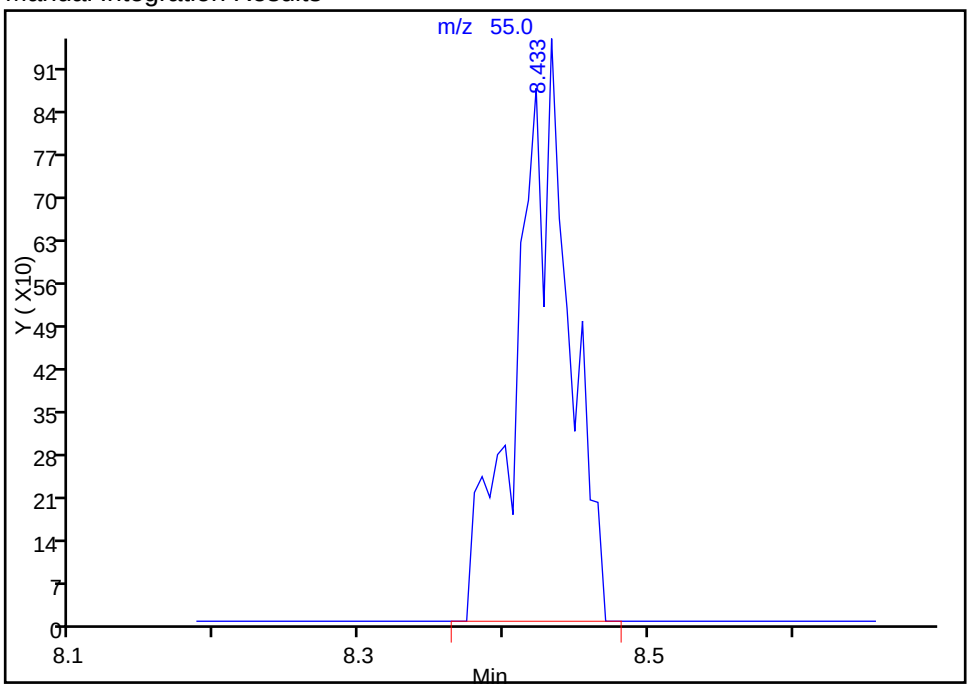
Processing Integration Results

RT: 8.43
Response: 1981
Amount: 0.233126



Manual Integration Results

RT: 8.43
Response: 2369
Amount: 0.217686



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

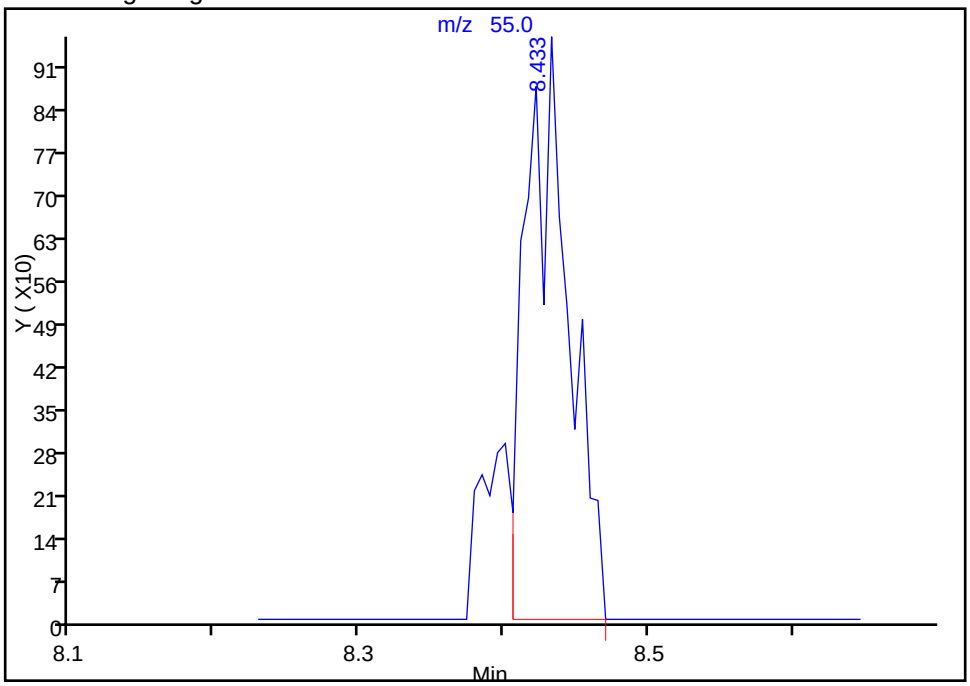
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 Acrolein, CAS: 107-02-8

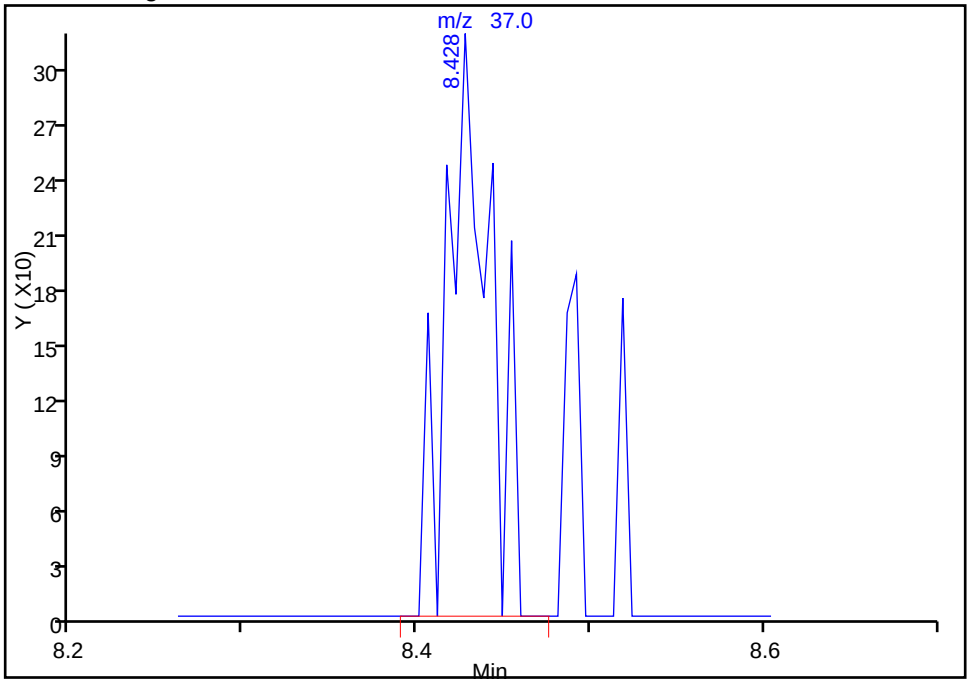
Processing Integration Results

RT: 8.41
Response: 0
Amount: 0.233126



Manual Integration Results

RT: 8.43
Response: 554
Amount: 0.217686



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

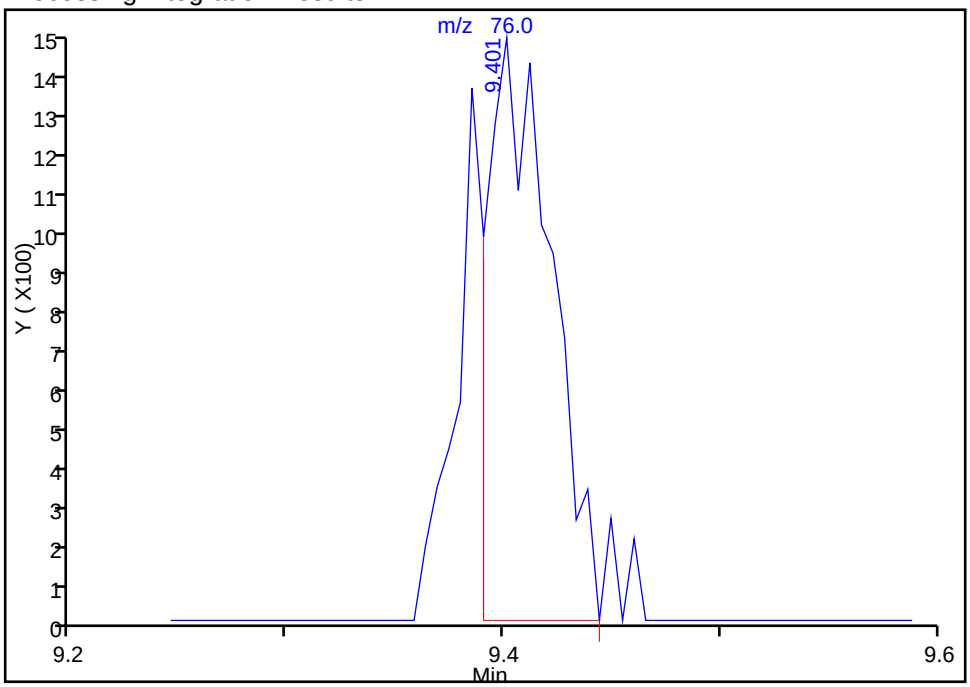
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 3-Chloro-1-propene, CAS: 107-05-1

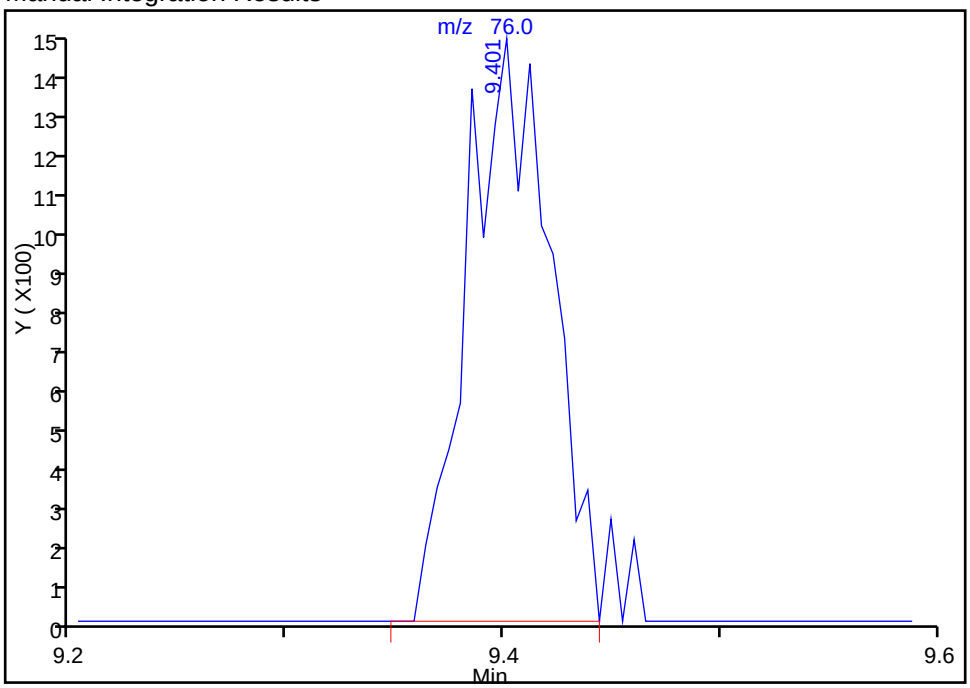
Processing Integration Results

RT: 9.40
Response: 3049
Amount: 0.212438



Manual Integration Results

RT: 9.40
Response: 3975
Amount: 0.189416



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Manual Integration/User Assign Peak Report

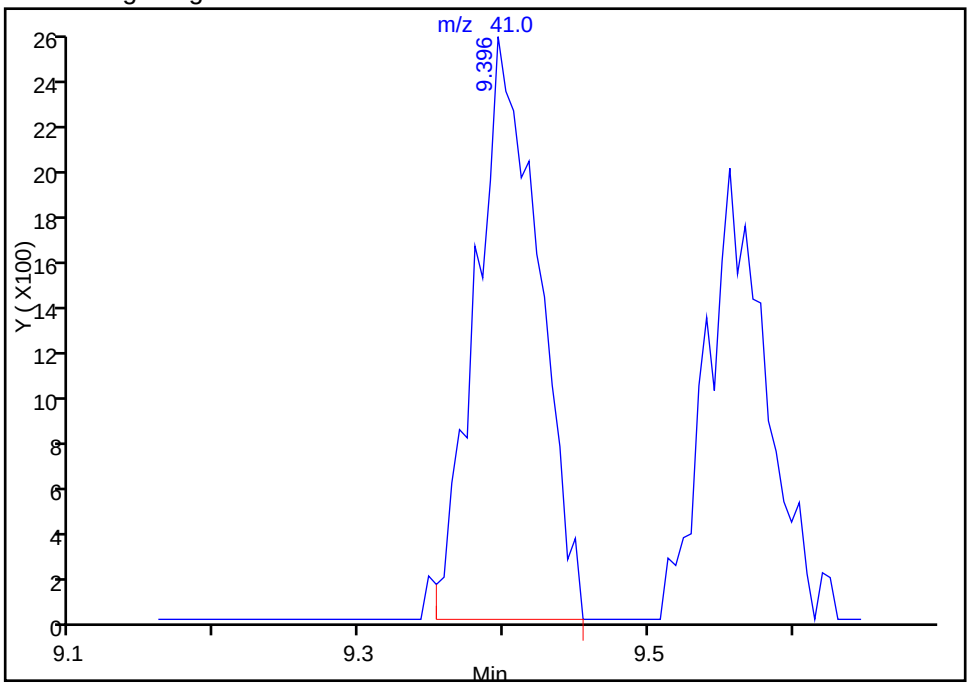
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 3-Chloro-1-propene, CAS: 107-05-1

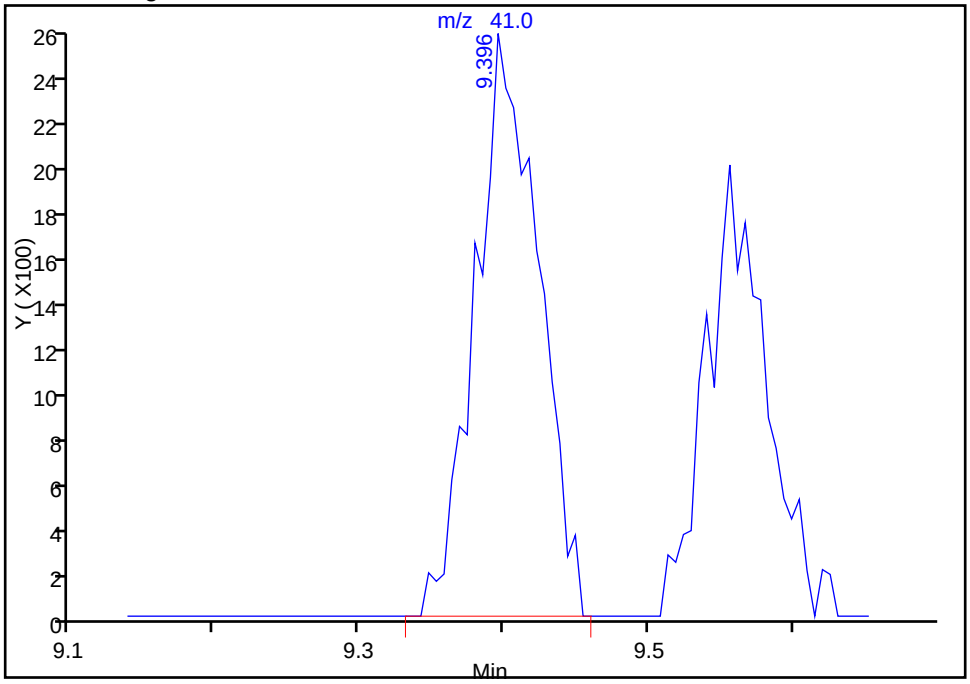
Processing Integration Results

RT: 9.40
Response: 7686
Amount: 0.212438



Manual Integration Results

RT: 9.40
Response: 7746
Amount: 0.189416



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Manual Integration/User Assign Peak Report

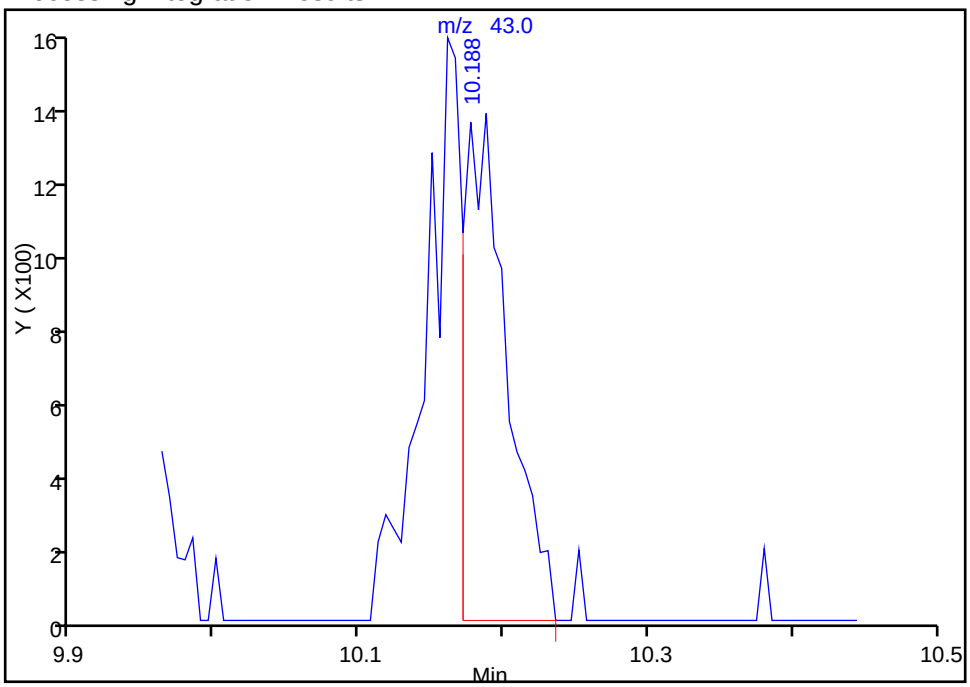
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

33 Methyl tert-butyl ether, CAS: 1634-04-4

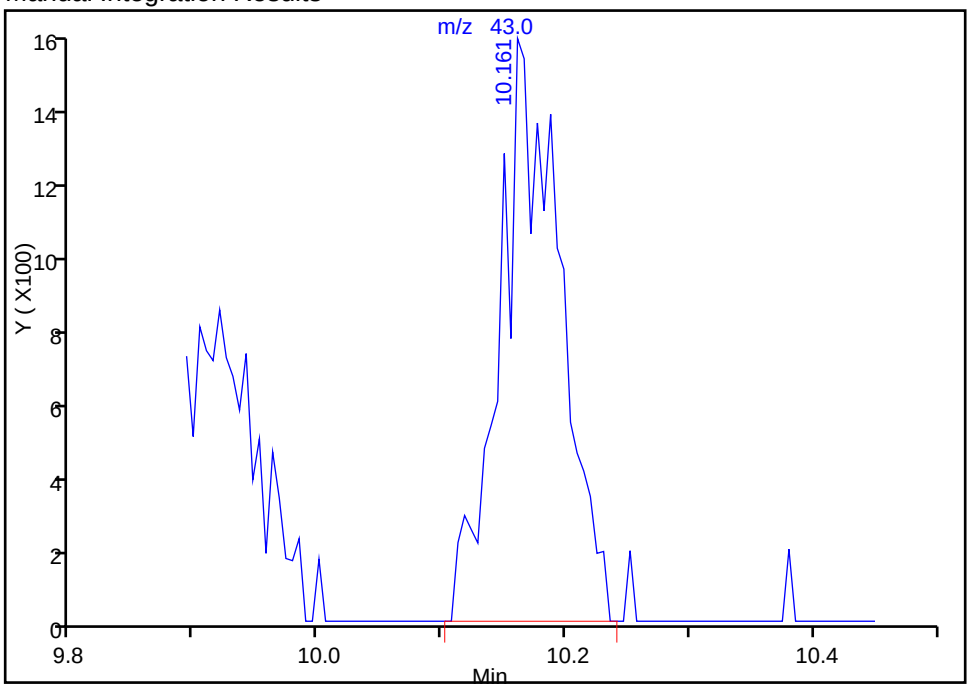
Processing Integration Results

RT: 10.19
Response: 2892
Amount: 0.186665



Manual Integration Results

RT: 10.16
Response: 5374
Amount: 0.166753



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Manual Integration/User Assign Peak Report

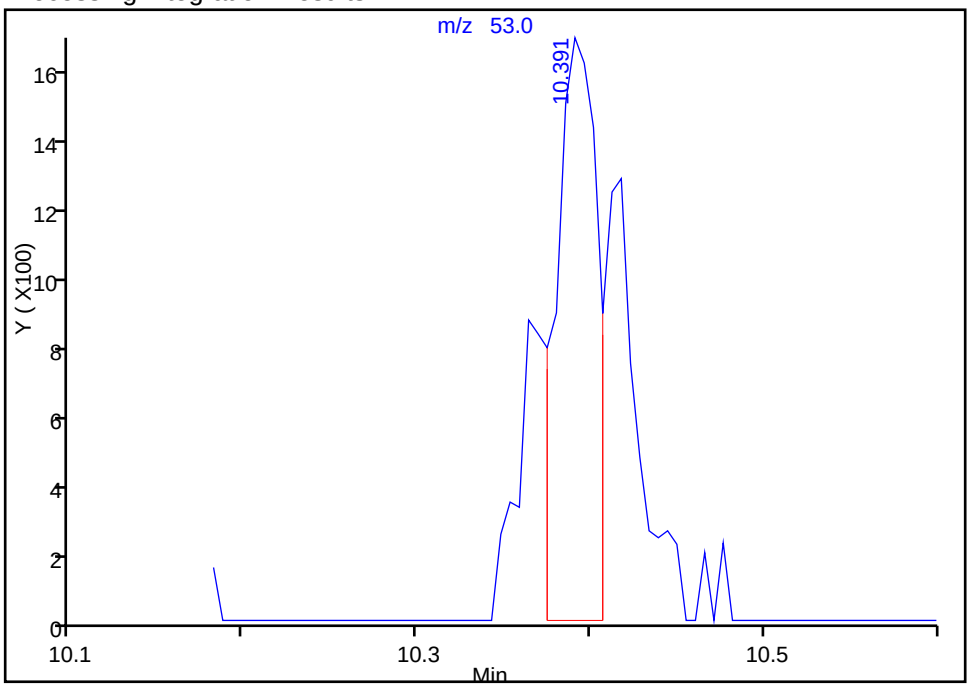
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

35 Acrylonitrile, CAS: 107-13-1

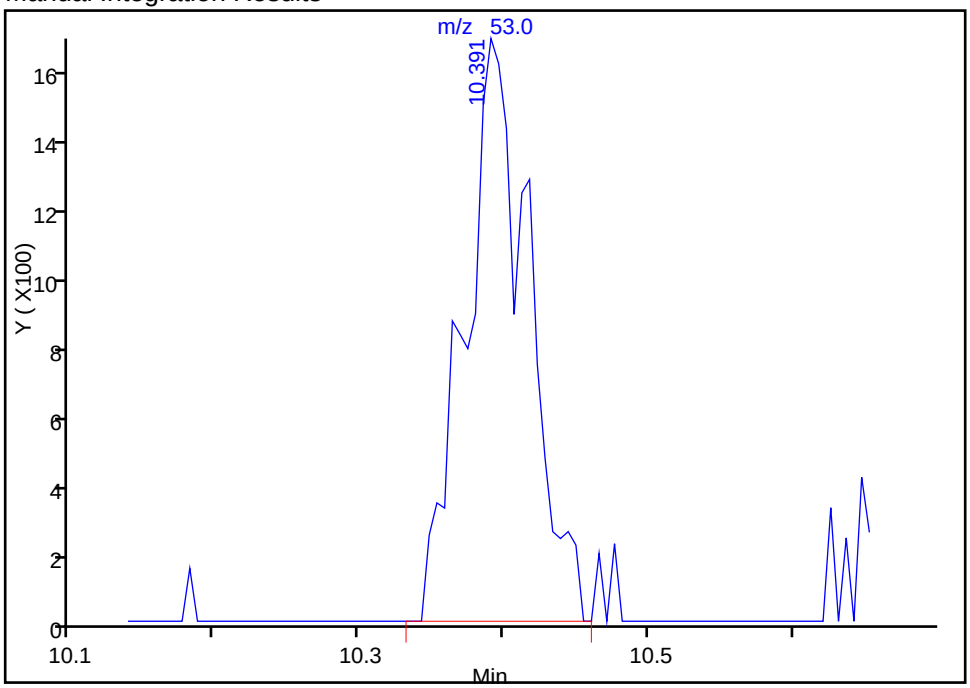
Processing Integration Results

RT: 10.39
Response: 2817
Amount: 0.131257



Manual Integration Results

RT: 10.39
Response: 5168
Amount: 0.200429



Reviewer: lyonsb, 12-Feb-2014 09:18:25
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Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

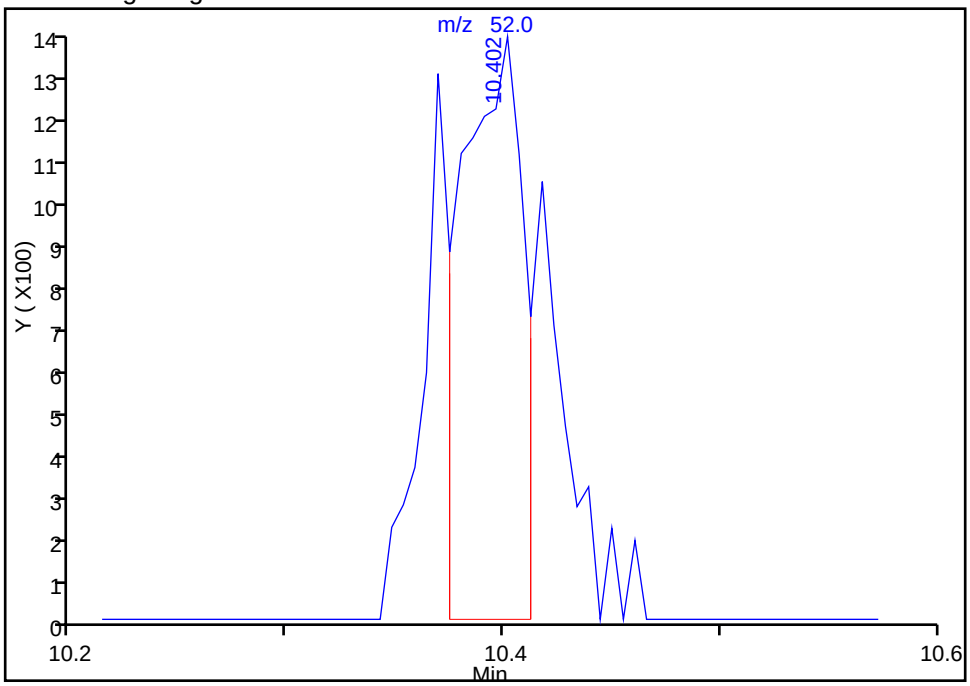
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i
Lims ID: IC Lab Sample ID:
Client ID:
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

35 Acrylonitrile, CAS: 107-13-1

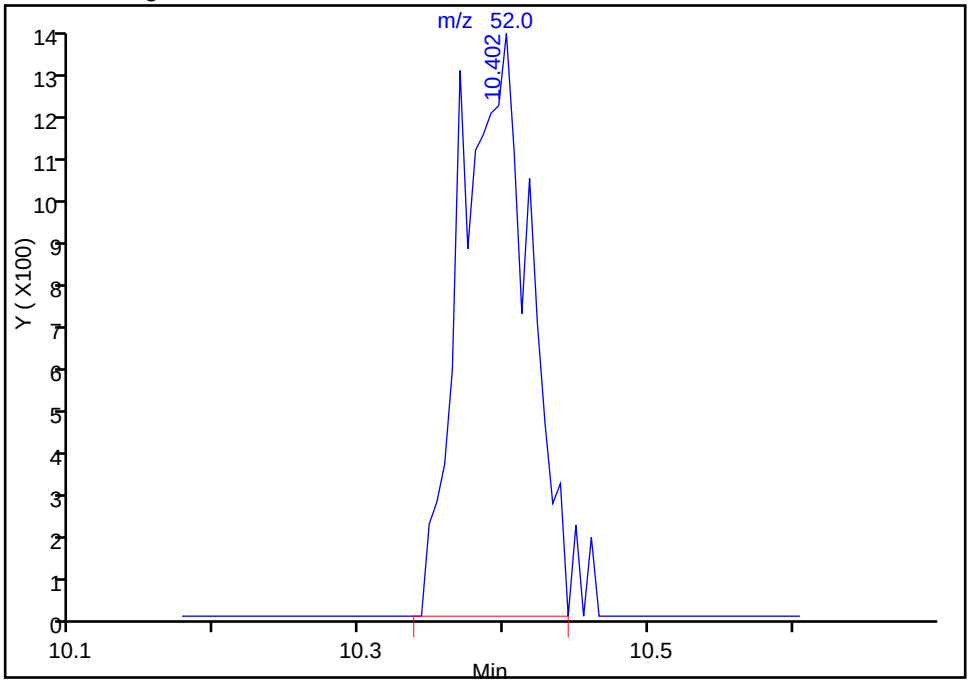
Processing Integration Results

RT: 10.40
Response: 2680
Amount: 0.131257



Manual Integration Results

RT: 10.40
Response: 4372
Amount: 0.200429



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Manual Integration/User Assign Peak Report

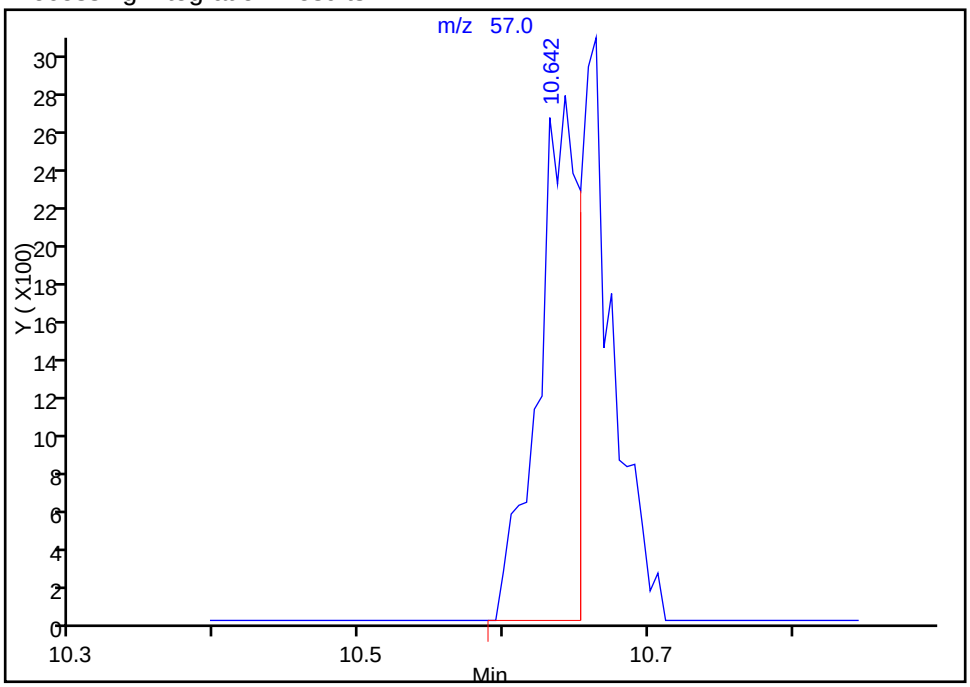
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3

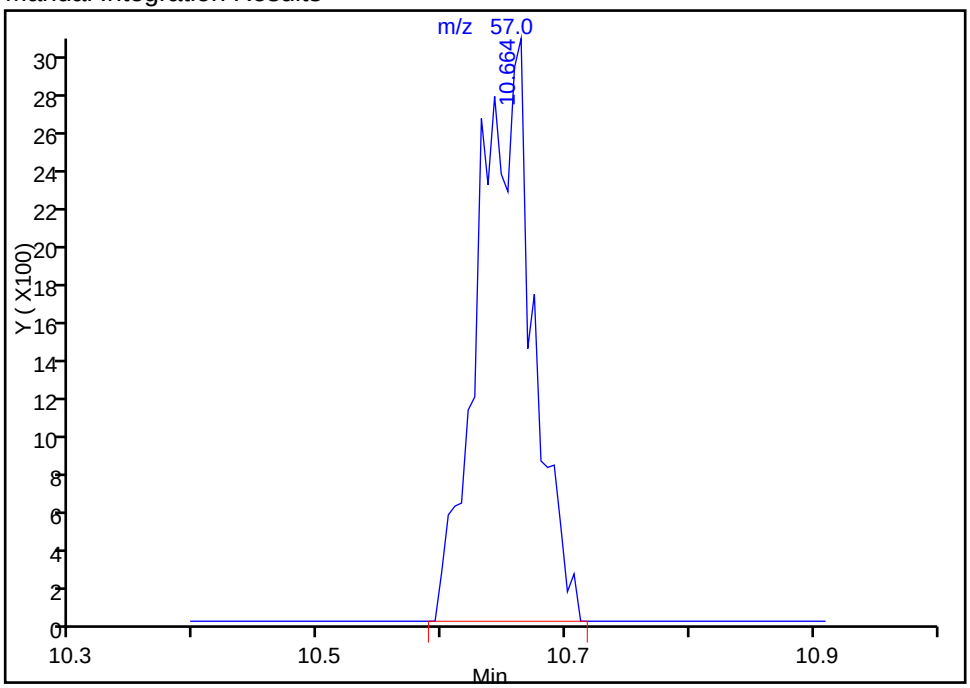
Processing Integration Results

RT: 10.64
Response: 5331
Amount: 0.108649



Manual Integration Results

RT: 10.66
Response: 9334
Amount: 0.160251



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Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

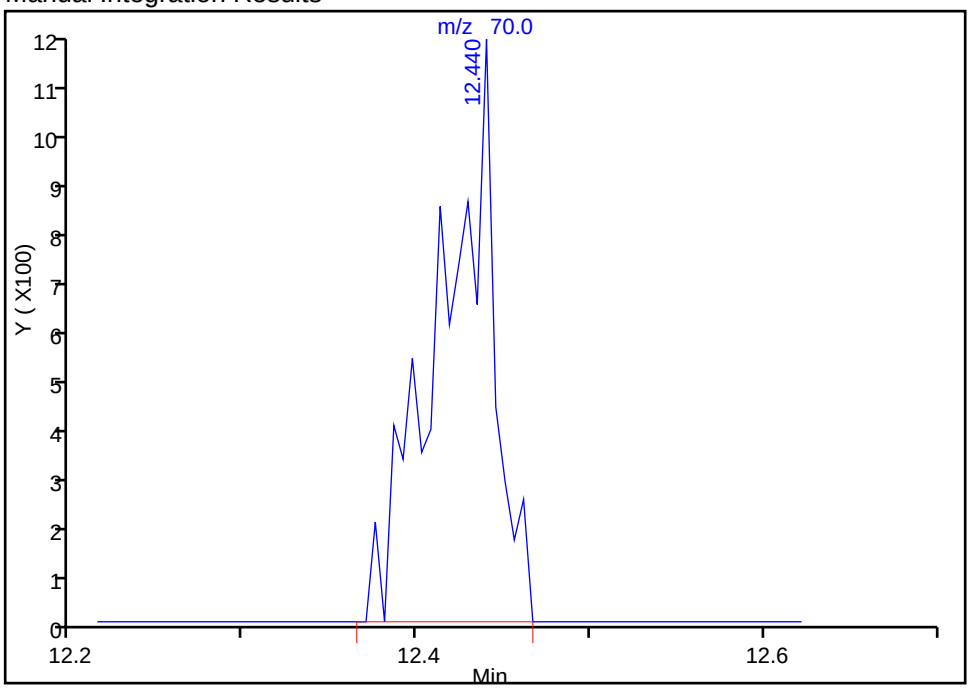
42 Ethyl acetate, CAS: 141-78-6

Processing Integration Results

RT: 12.41
Response: 0
Amount: 0.143118

Manual Integration Results

RT: 12.44
Response: 2453
Amount: 0.189375



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Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

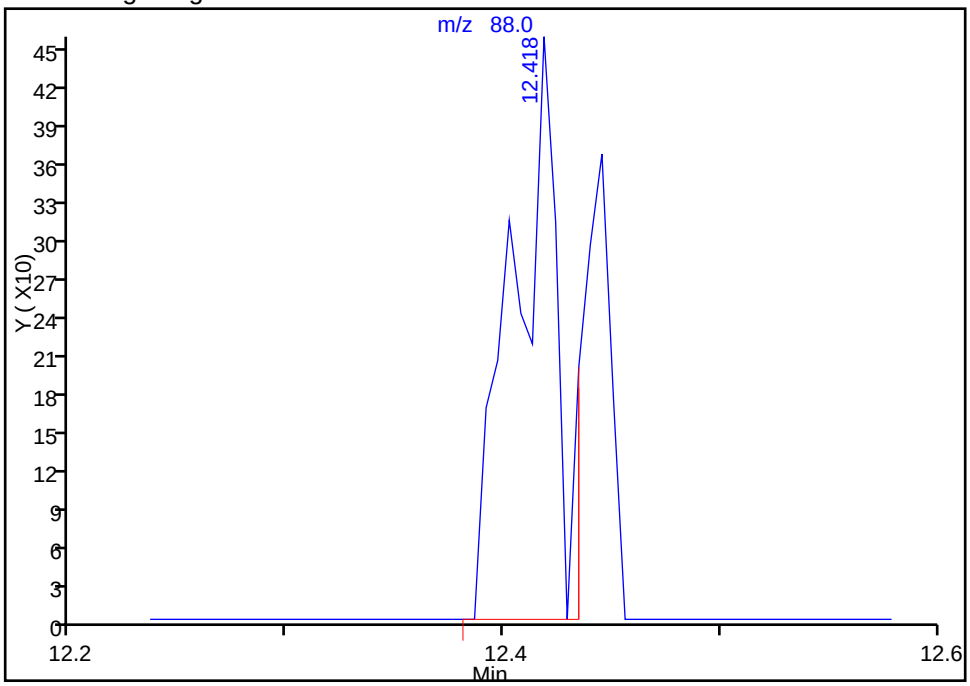
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 Ethyl acetate, CAS: 141-78-6

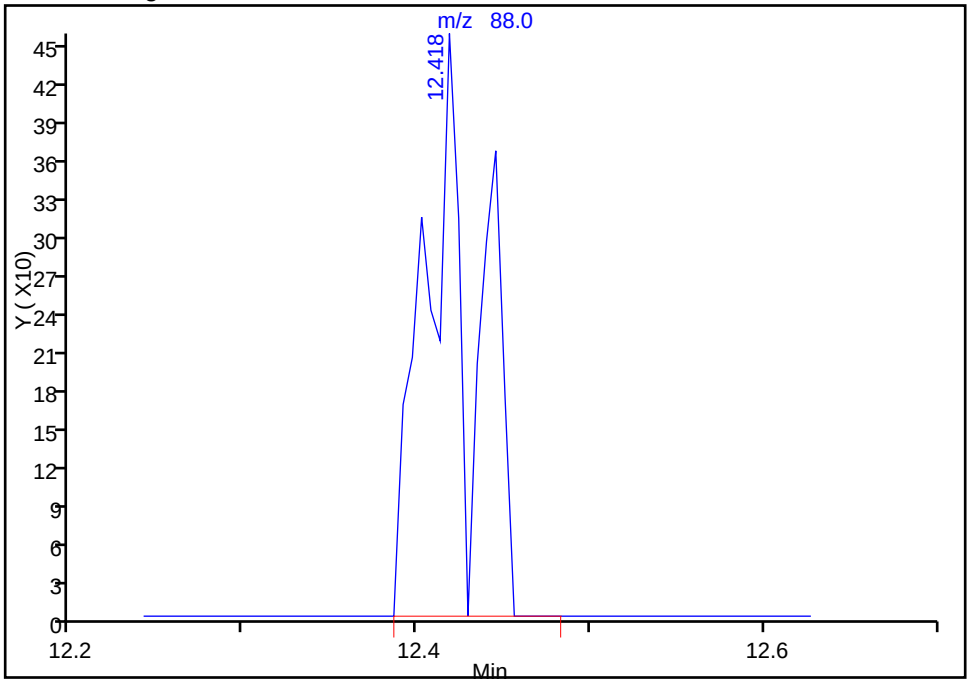
Processing Integration Results

RT: 12.42
Response: 676
Amount: 0.143118



Manual Integration Results

RT: 12.42
Response: 942
Amount: 0.189375



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Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

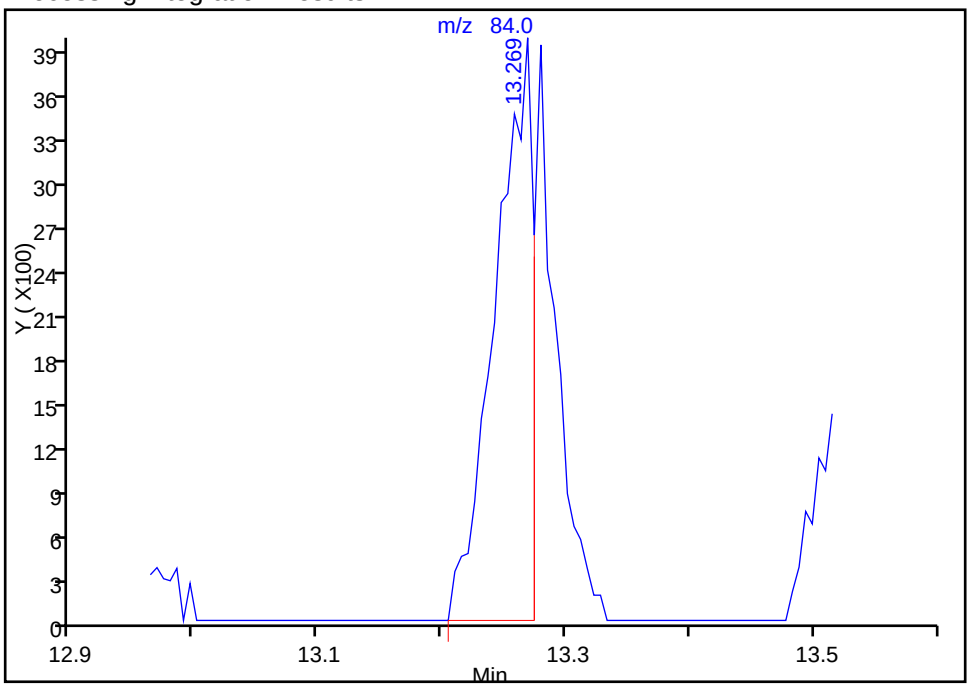
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

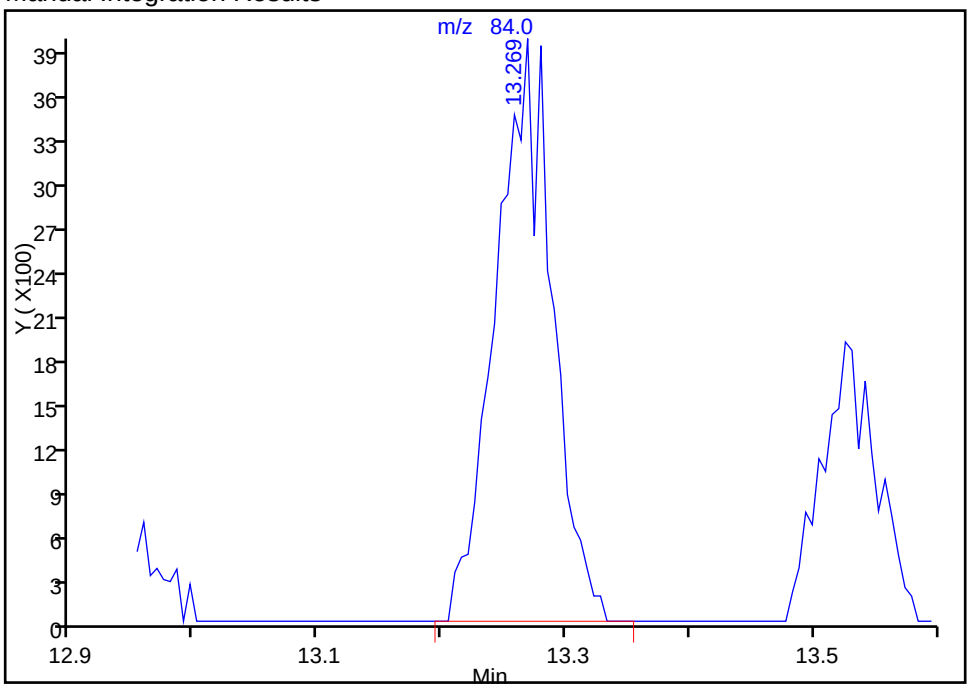
Processing Integration Results

RT: 13.27
Response: 8456
Amount: 0.137490



Manual Integration Results

RT: 13.27
Response: 12613
Amount: 0.173173



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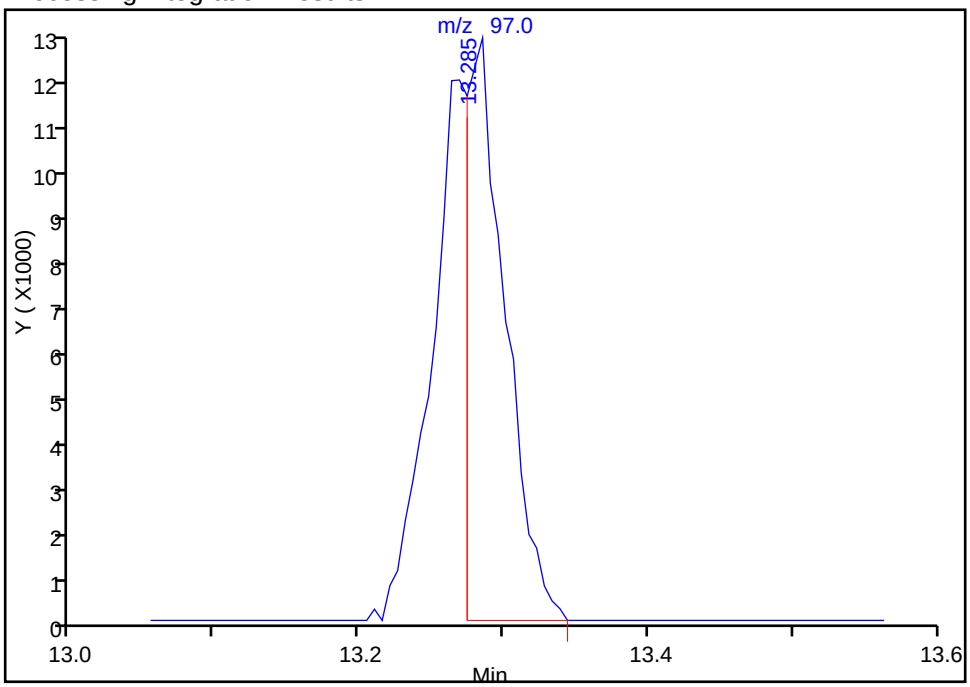
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

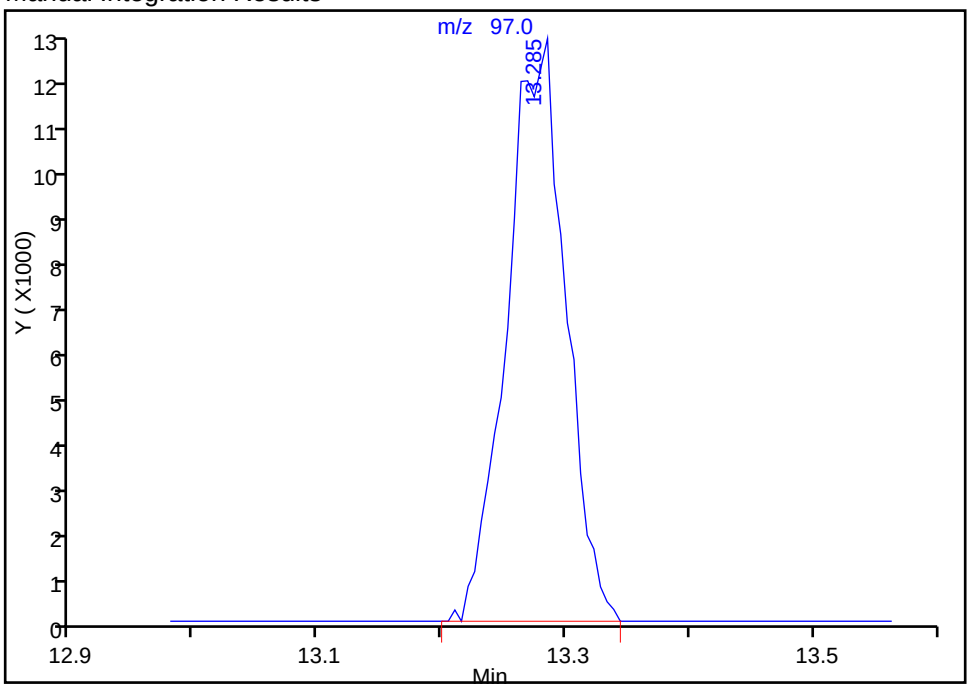
Processing Integration Results

RT: 13.29
Response: 22602
Amount: 0.162437



Manual Integration Results

RT: 13.29
Response: 39303
Amount: 0.236027



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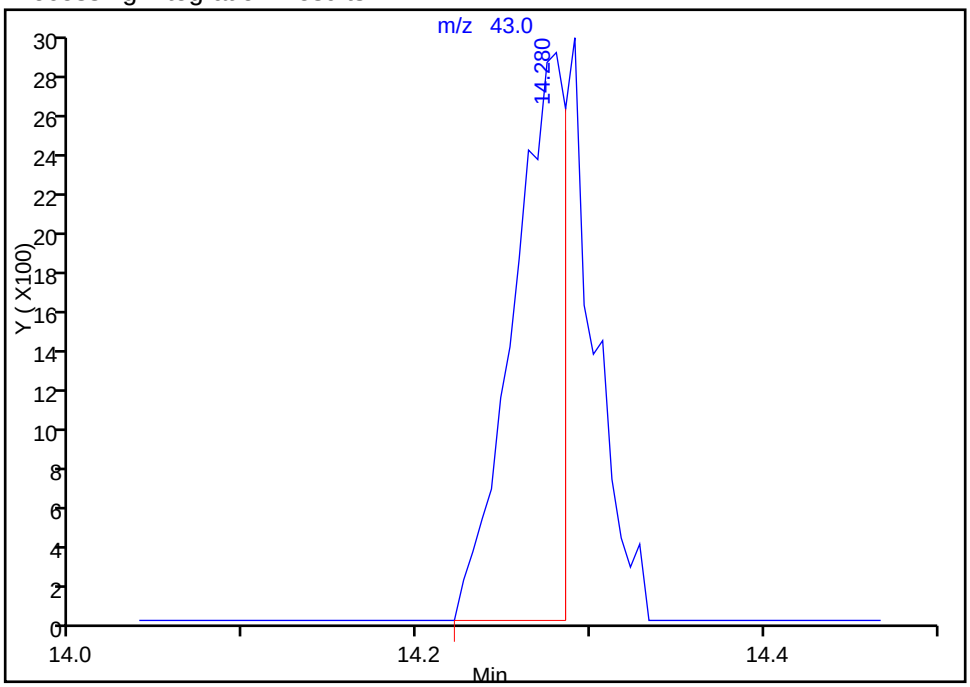
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

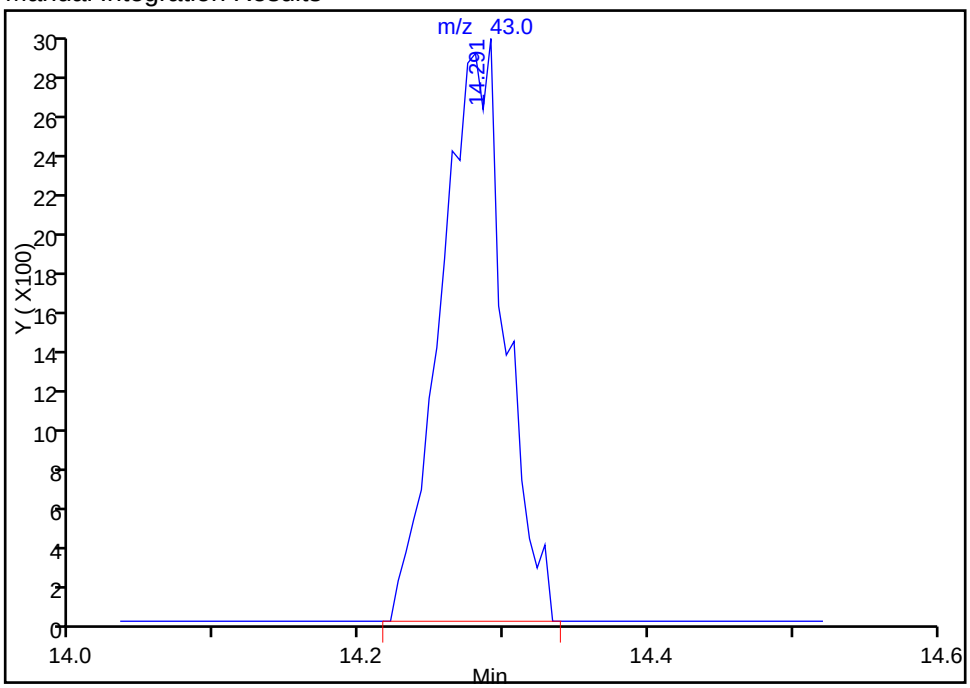
Processing Integration Results

RT: 14.28
Response: 6041
Amount: 0.116642



Manual Integration Results

RT: 14.29
Response: 8920
Amount: 0.147266



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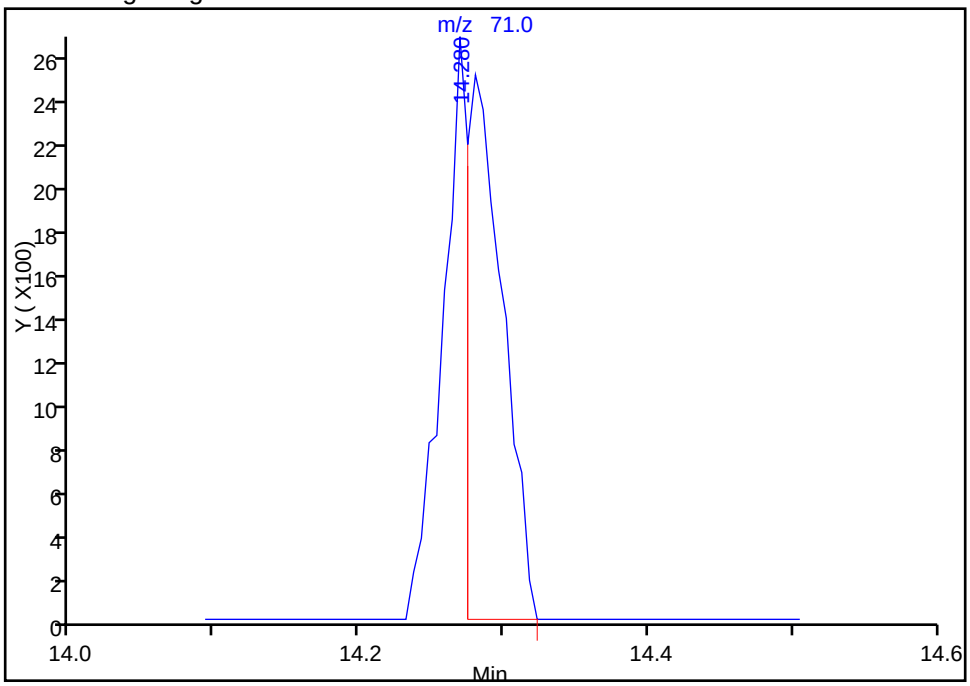
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

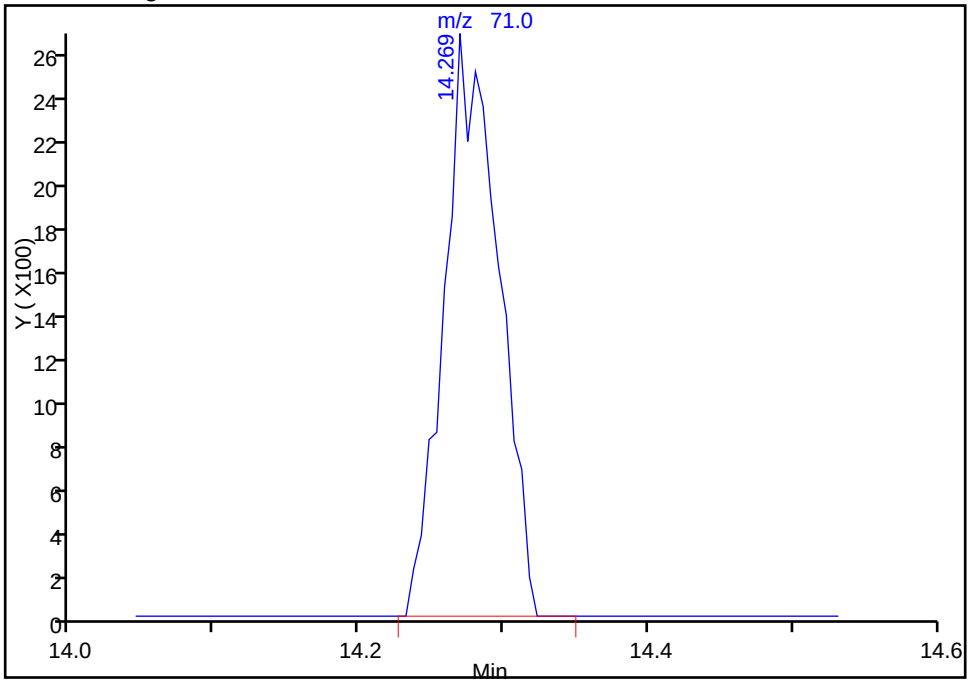
Processing Integration Results

RT: 14.28
Response: 4272
Amount: 0.116642



Manual Integration Results

RT: 14.27
Response: 6875
Amount: 0.147266



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TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

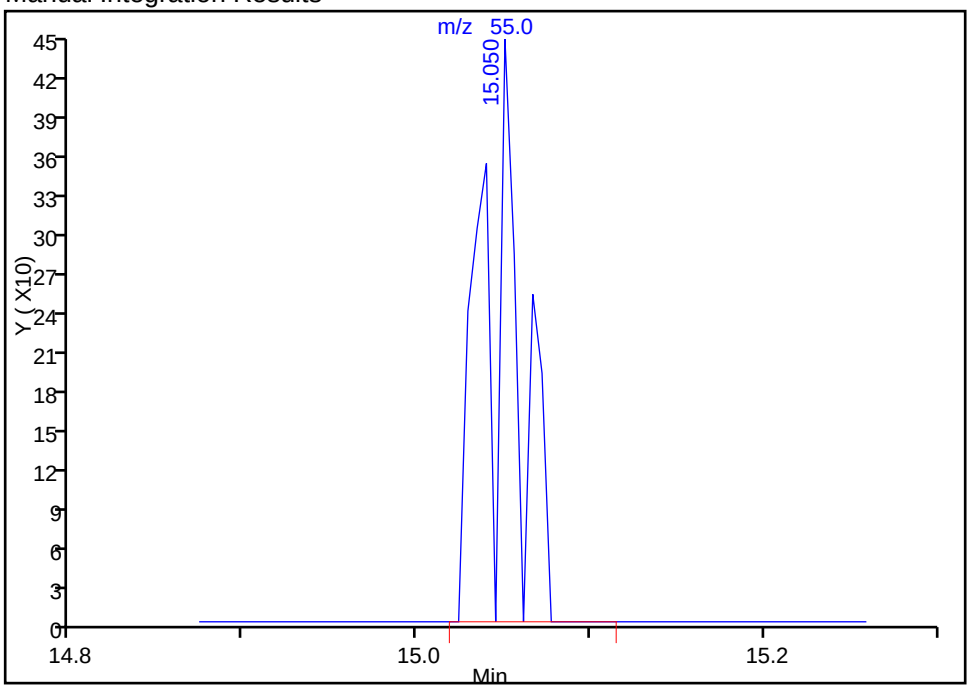
55 n-Butanol, CAS: 71-36-3

Processing Integration Results

RT: 15.02
Response: 0
Amount: 0.170561

Manual Integration Results

RT: 15.05
Response: 667
Amount: 0.154837



Reviewer: lyonsb, 12-Feb-2014 09:18:25
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Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

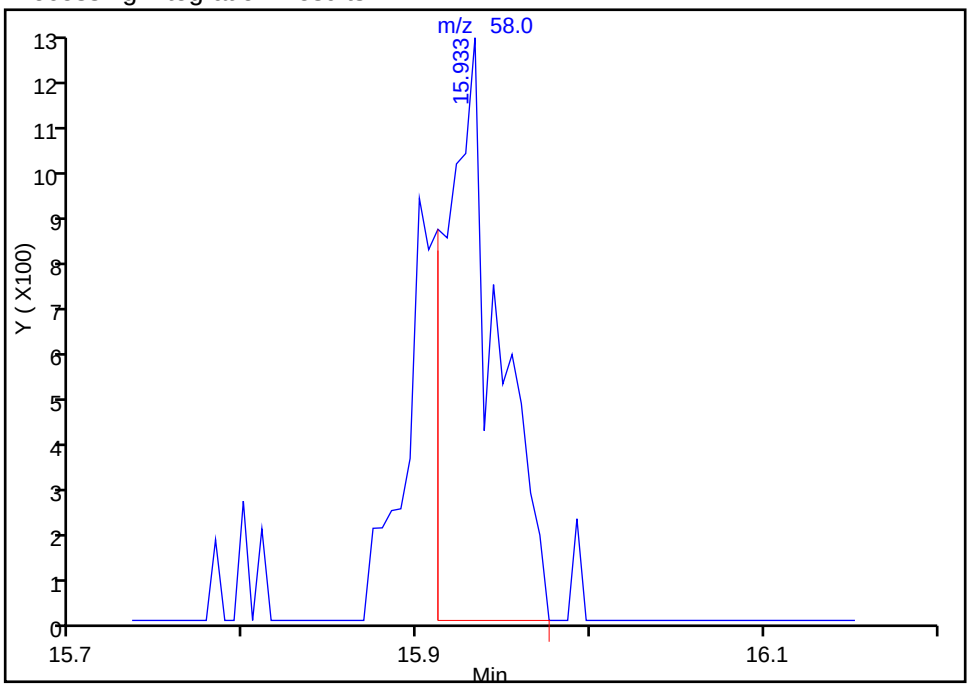
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

60 1,4-Dioxane, CAS: 123-91-1

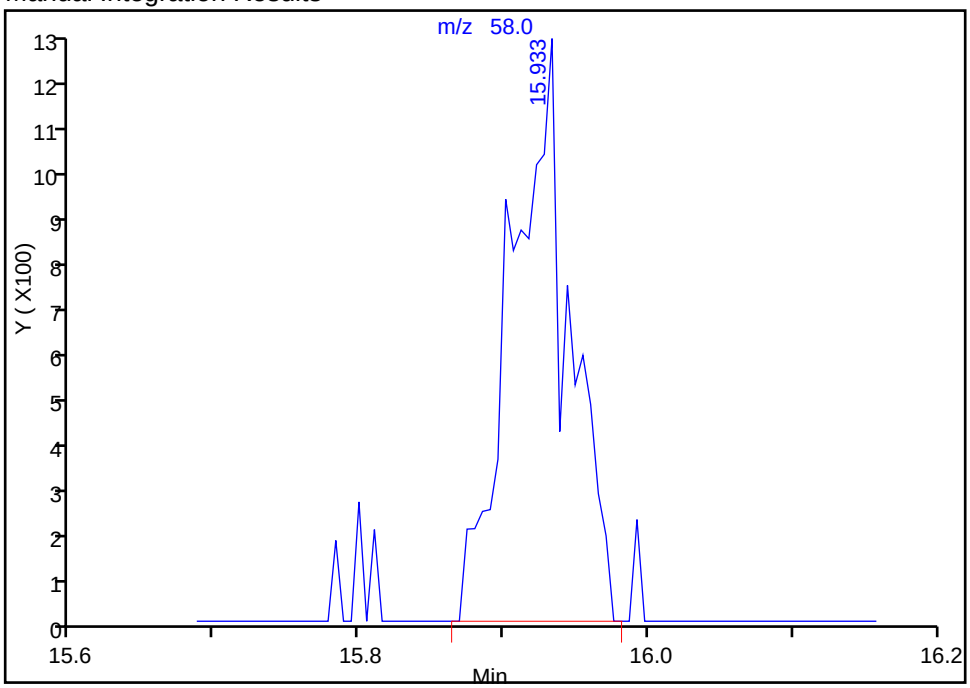
Processing Integration Results

RT: 15.93
Response: 2644
Amount: 0.246008



Manual Integration Results

RT: 15.93
Response: 3606
Amount: 0.209876



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

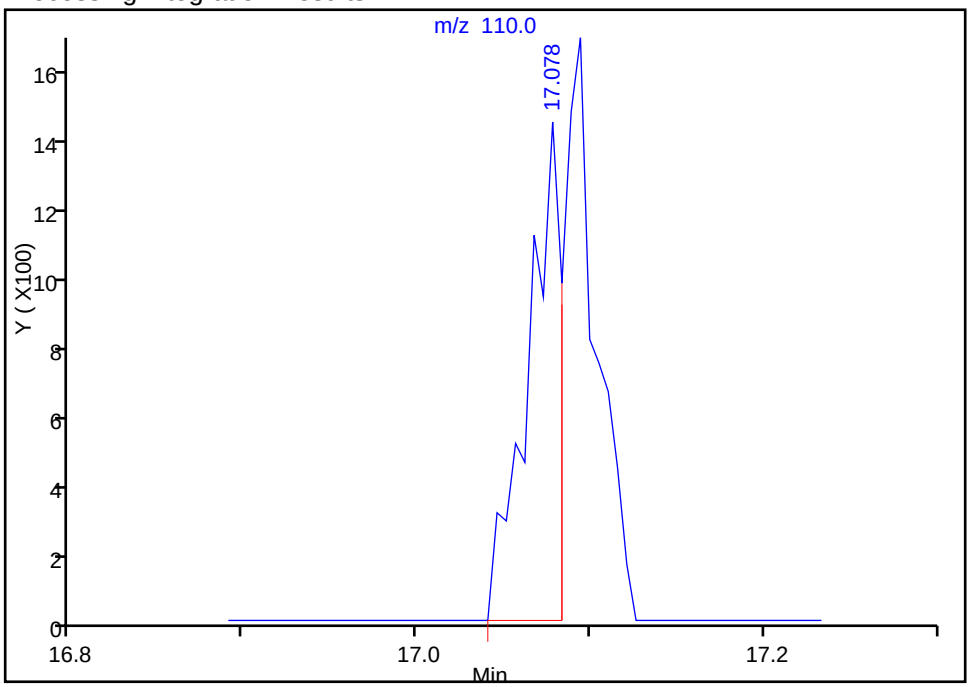
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

64 cis-1,3-Dichloropropene, CAS: 10061-01-5

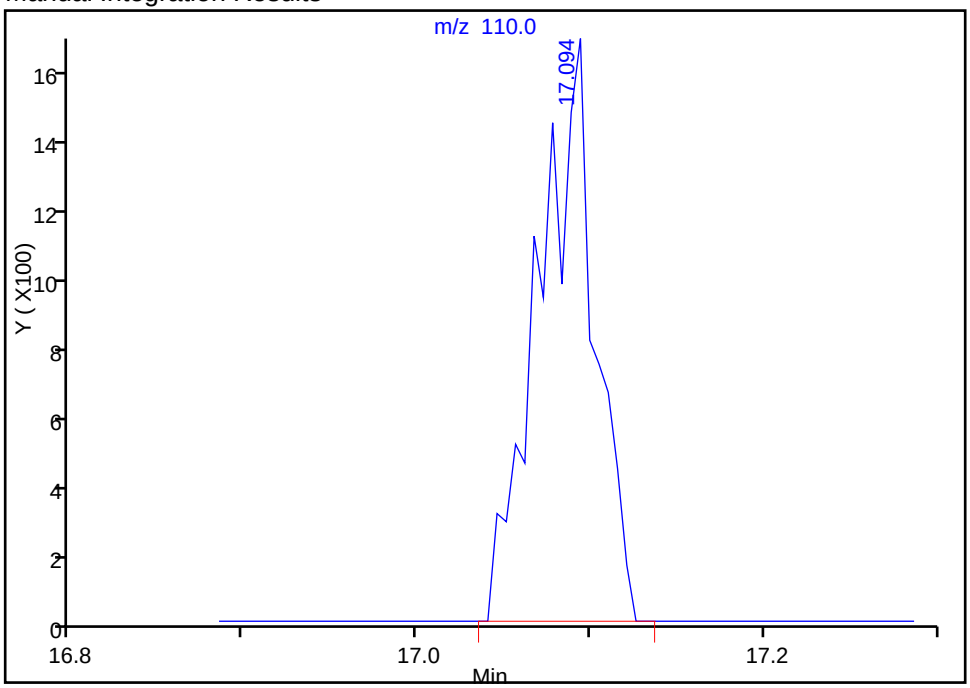
Processing Integration Results

RT: 17.08
Response: 1884
Amount: 0.177105



Manual Integration Results

RT: 17.09
Response: 3753
Amount: 0.157295



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

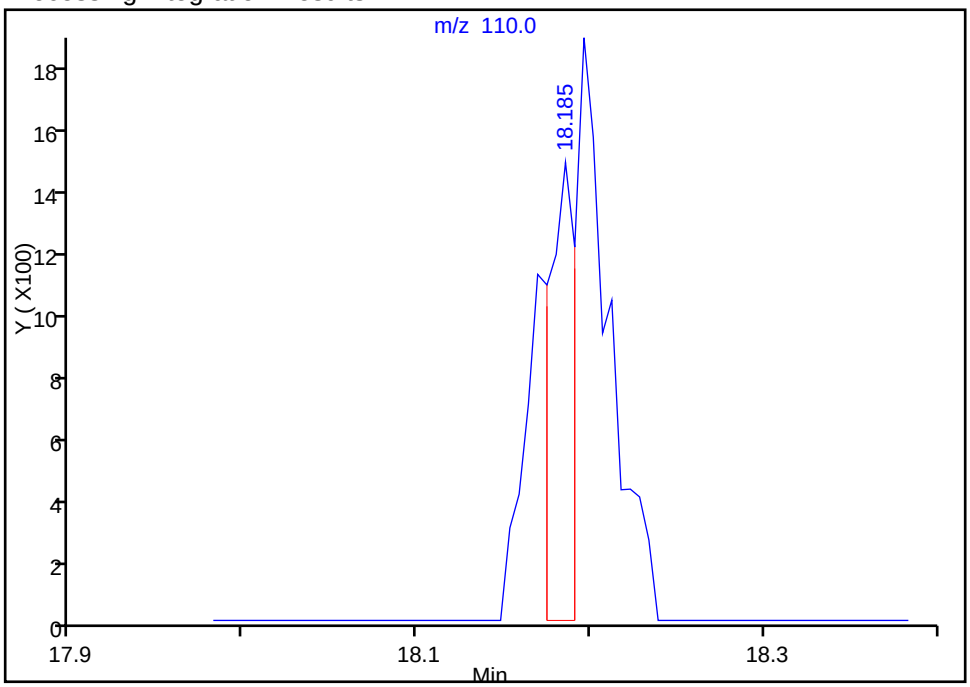
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

70 trans-1,3-Dichloropropene, CAS: 10061-02-6

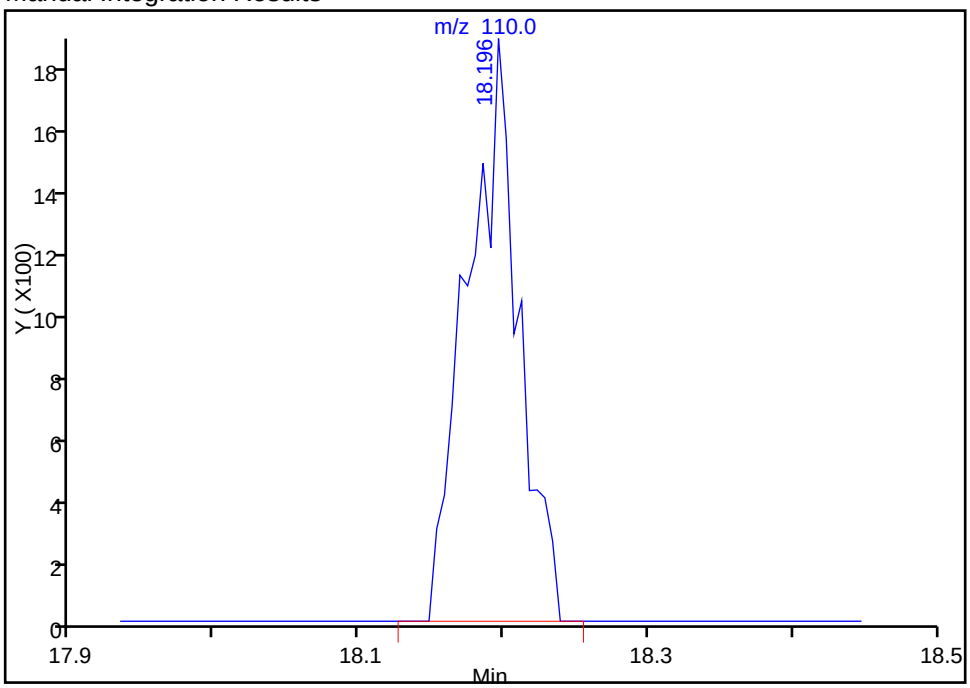
Processing Integration Results

RT: 18.19
Response: 1574
Amount: 0.178080



Manual Integration Results

RT: 18.20
Response: 4572
Amount: 0.158043



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

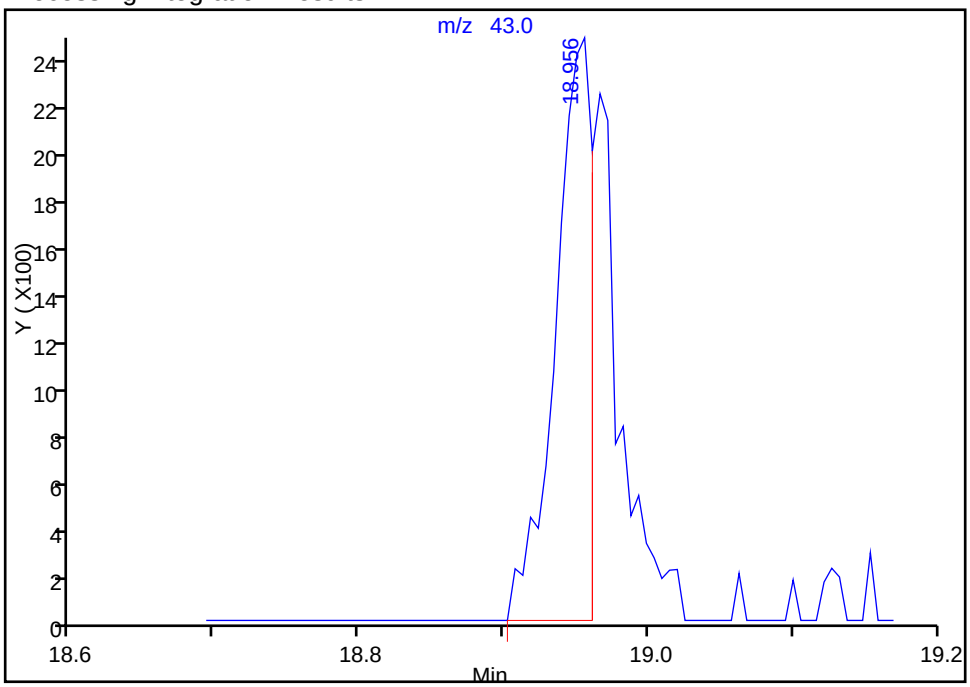
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

73 2-Hexanone, CAS: 591-78-6

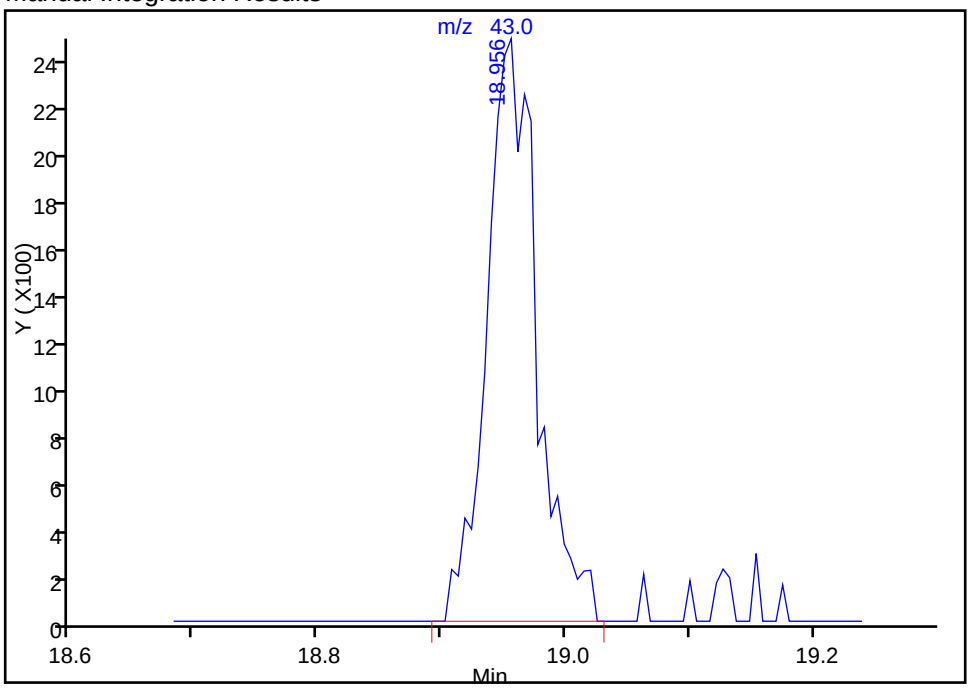
Processing Integration Results

RT: 18.96
Response: 4255
Amount: 0.075021



Manual Integration Results

RT: 18.96
Response: 6782
Amount: 0.094869



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

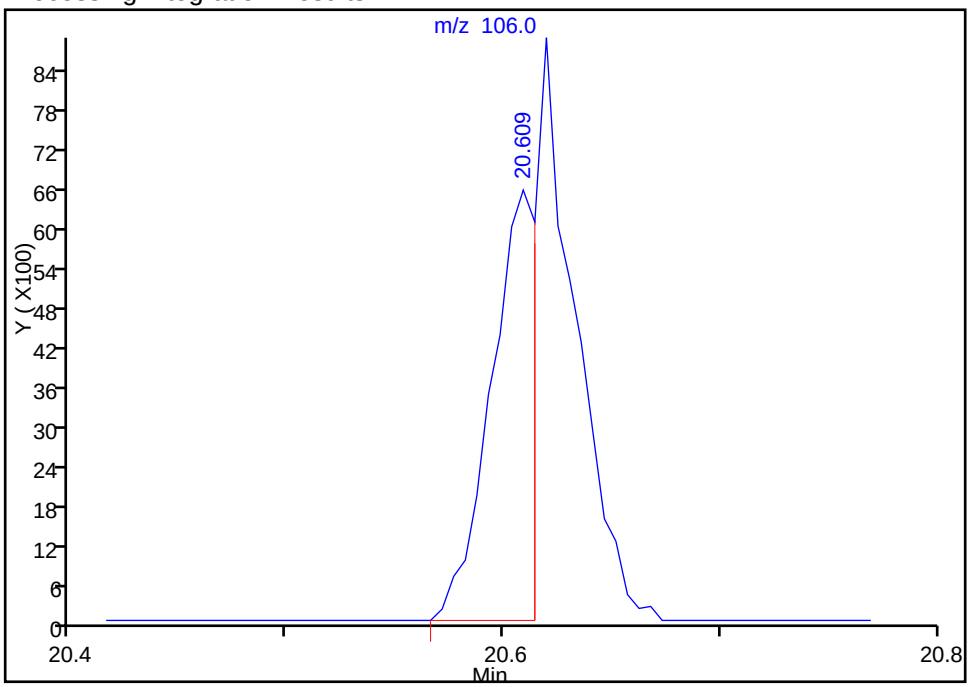
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4

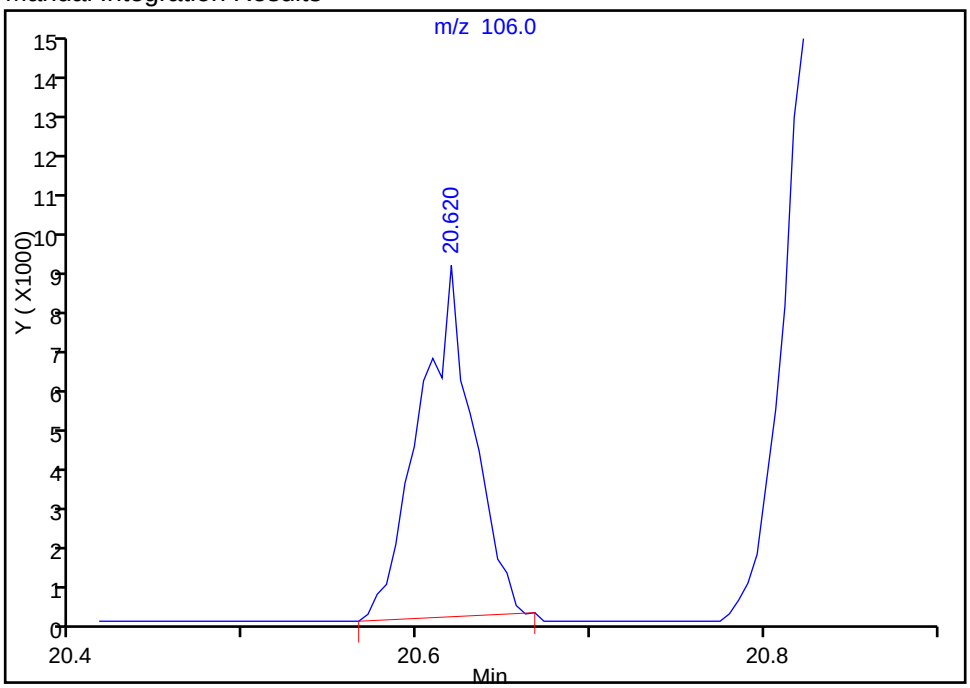
Processing Integration Results

RT: 20.61
Response: 9639
Amount: 0.221726



Manual Integration Results

RT: 20.62
Response: 18809
Amount: 0.198213



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

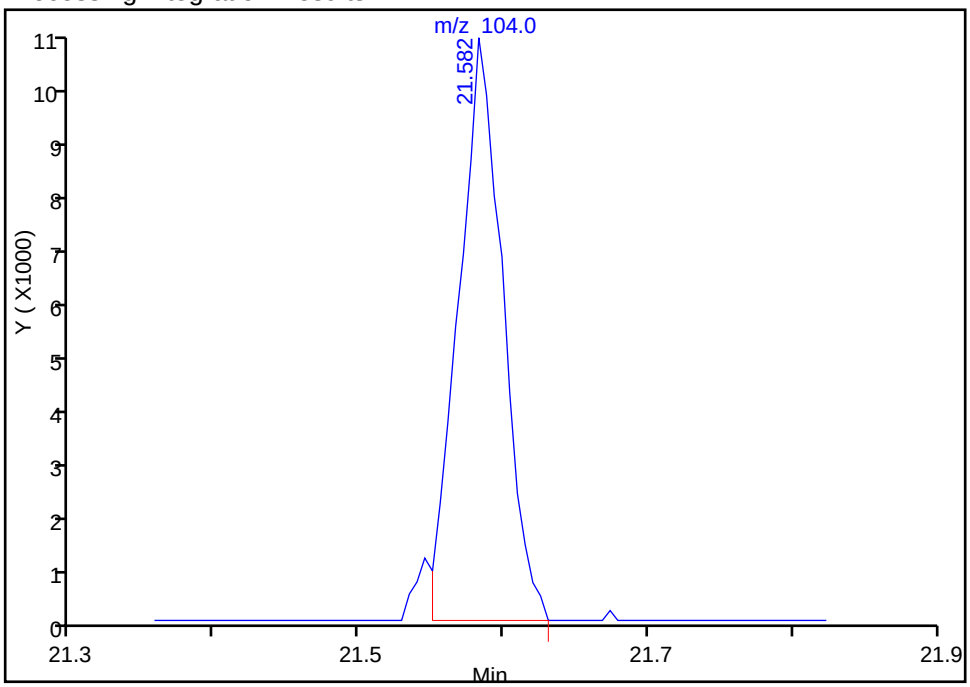
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5

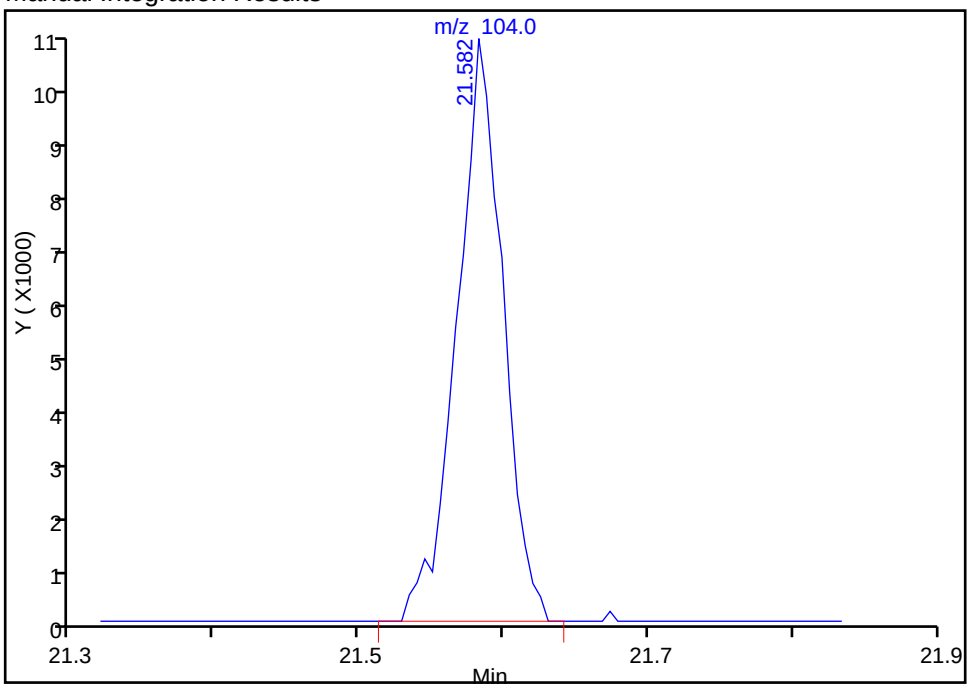
Processing Integration Results

RT: 21.58
Response: 22156
Amount: 0.150275



Manual Integration Results

RT: 21.58
Response: 22885
Amount: 0.136574



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

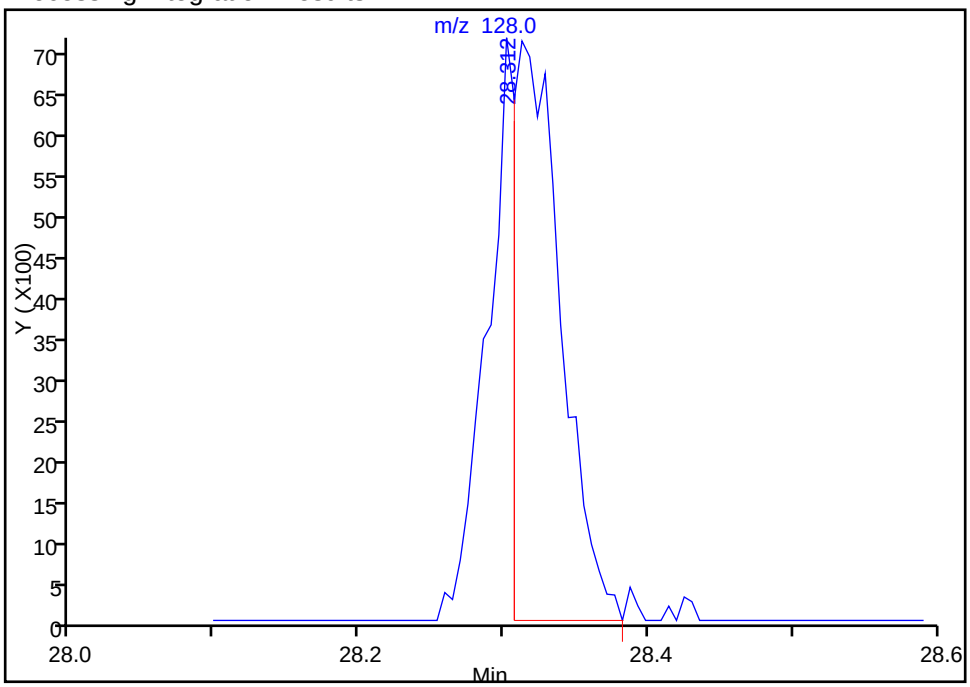
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d				
Injection Date:	11-Feb-2014 20:02:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Operator ID:	PAD	ALS Bottle#:	2	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

109 Naphthalene, CAS: 91-20-3

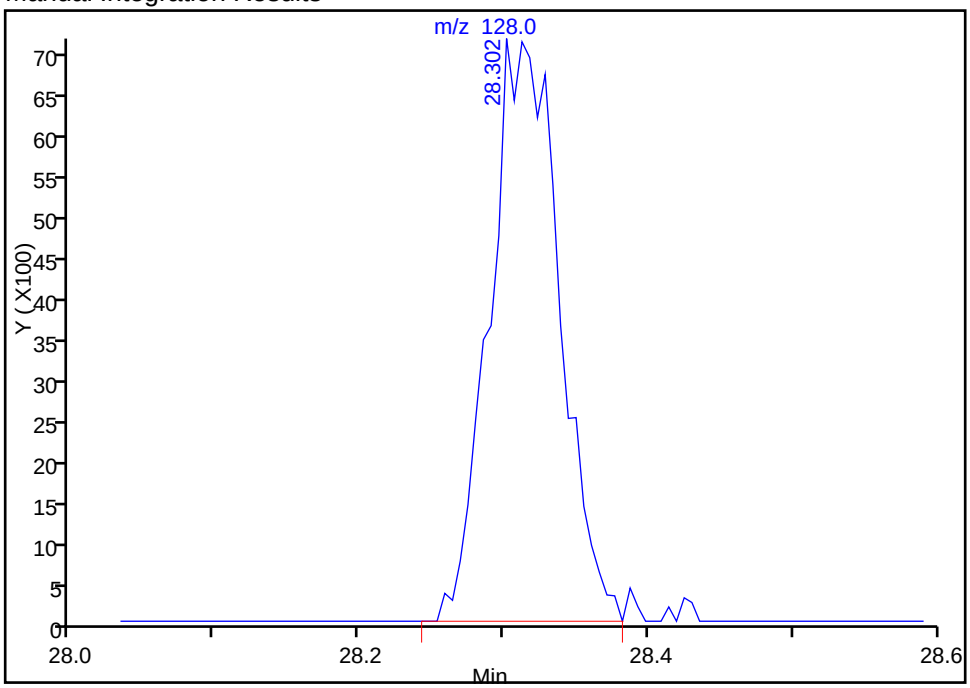
Processing Integration Results

RT: 28.31
Response: 16278
Amount: 0.084564



Manual Integration Results

RT: 28.30
Response: 24028
Amount: 0.099013



Reviewer: lyonsb, 12-Feb-2014 09:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Report Date: 12-Feb-2014 09:35:30 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d
Lims ID: IC Lab Sample ID: Client 200-66936/5-A
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-Feb-2014 20:50:30 ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-006
Misc. Info.: IC 03
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:35:29 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:15:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.389	4.383	0.006	94	17418	0.5771	
2 Dichlorodifluoromethane	85	4.474	4.479	-0.005	98	123434	0.5903	
6 Chlorodifluoromethane	51	4.544	4.544	0.0	70	45396	0.5731	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.833	4.832	0.001	85	98986	0.5551	
8 Chloromethane	50	5.025	5.025	0.0	99	20727	0.5758	
9 Butane	43	5.293	5.287	0.006	94	30101	0.5161	
10 Vinyl chloride	62	5.346	5.346	0.0	92	24999	0.4827	
11 Butadiene	54	5.437	5.442	-0.005	88	14783	0.4640	
13 BFB								
12 Bromomethane	94	6.309	6.314	-0.005	92	27701	0.5172	
14 Chloroethane	64	6.598	6.598	0.0	94	15205	0.5517	
15 2-Methylbutane	43	6.694	6.678	0.016	82	21929	0.4927	
16 Vinyl bromide	106	7.074	7.079	-0.005	94	34512	0.4835	
17 Trichlorofluoromethane	101	7.197	7.192	0.005	95	127882	0.5456	
18 Pentane	43	7.352	7.357	-0.005	87	27914	0.4475	
19 Ethanol	45	7.802	7.796	0.006	97	66654	5.10	
21 Ethyl ether	59	7.941	7.941	0.0	87	15093	0.4624	
22 Acrolein	56	8.417	8.406	0.011	46	7793	0.5681	M
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.444	8.443	0.001	90	79395	0.5413	
24 1,1-Dichloroethene	96	8.524	8.518	0.006	85	30544	0.4835	
25 Acetone	43	8.759	8.748	0.011	87	148057	2.23	
26 Carbon disulfide	76	9.000	9.000	0.0	98	76631	0.5266	
27 Isopropyl alcohol	45	9.043	9.032	0.011	90	27582	0.4959	
29 3-Chloro-1-propene	41	9.412	9.406	0.006	79	17007	0.3785	
30 Acetonitrile	41	9.551	9.535	0.016	96	12533	0.5151	
31 Methylene Chloride	49	9.744	9.733	0.011	73	28417	0.6147	
32 2-Methyl-2-propanol	59	9.909	9.904	0.005	94	37886	0.3754	
33 Methyl tert-butyl ether	73	10.177	10.161	0.016	96	64978	0.3885	
S 41 1,2-Dichloroethene, Total	61				0		0.9863	
34 trans-1,2-Dichloroethene	61	10.230	10.236	-0.006	91	38176	0.5012	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	35 Acrylonitrile	53	10.396	10.385	0.011	91	12951	0.4572	M
	36 Hexane	57	10.658	10.653	0.005	84	26195	0.4093	
	37 1,1-Dichloroethane	63	11.199	11.199	0.0	94	50341	0.4911	
	38 Vinyl acetate	43	11.236	11.236	0.0	97	33466	0.3514	
	39 cis-1,2-Dichloroethene	96	12.381	12.375	0.006	83	32364	0.4850	M
	40 2-Butanone (MEK)	72	12.402	12.392	0.010	100	16509	0.5873	
	42 Ethyl acetate	88	12.419	12.413	0.005	92	2650	0.4849	
	44 Tetrahydrofuran	42	12.863	12.846	0.017	30	17090	0.4161	
*	43 Chlorobromomethane	128	12.857	12.852	0.005	68	457214	10.0	
	45 Chloroform	83	12.964	12.964	0.0	93	82871	0.5409	
	46 Cyclohexane	84	13.264	13.264	0.0	71	33475	0.4224	
	47 1,1,1-Trichloroethane	97	13.274	13.280	-0.006	93	92001	0.5077	
	48 Carbon tetrachloride	117	13.526	13.531	-0.005	97	101161	0.4888	
	51 Isooctane	57	13.927	13.927	0.0	96	82834	0.3924	
	50 Benzene	78	13.986	13.986	0.0	93	98915	0.5229	
	52 1,2-Dichloroethane	62	14.146	14.141	0.005	98	47698	0.4982	
	53 n-Heptane	43	14.286	14.275	0.011	77	26991	0.4095	
*	54 1,4-Difluorobenzene	114	14.746	14.745	0.001	92	2170848	10.0	
A	57 GRO	1	14.769	6.668 - 22.871		0	13003444	0	
	55 n-Butanol	56	15.045	15.024	0.021	89	6839	0.2913	
	56 Trichloroethene	95	15.211	15.211	0.0	90	47767	0.4905	
	58 1,2-Dichloropropane	63	15.735	15.730	0.005	83	28669	0.4975	
	59 Methyl methacrylate	69	15.816	15.815	0.001	76	23159	0.3877	
	60 1,4-Dioxane	88	15.923	15.901	0.022	79	12644	0.3818	
	61 Dibromomethane	174	15.971	15.970	0.001	87	62781	0.5256	
	62 Dichlorobromomethane	83	16.222	16.222	0.0	94	83907	0.5032	
A	63 TVOC as Toluene	1	16.631	4.373 - 28.889		0	22022390	139.9	
	64 cis-1,3-Dichloropropene	75	17.089	17.083	0.006	87	34655	0.3675	
	65 4-Methyl-2-pentanone (MIBK)	43	17.324	17.324	0.0	93	31716	0.3434	
A	68 C8 Range	1	17.656	17.606 - 17.706		0	513321	NC	
	69 n-Octane	43	17.656	17.656	0.0	70	37852	0.4334	
	66 Toluene	92	17.661	17.661	0.0	93	73260	0.5265	
A	67 Toluene Range	1	17.661	17.621 - 17.701		0	513321	NC	
	70 trans-1,3-Dichloropropene	75	18.185	18.191	-0.006	93	44645	0.4126	
	71 1,1,2-Trichloroethane	83	18.560	18.560	0.0	89	35957	0.5182	M
	72 Tetrachloroethene	166	18.694	18.699	-0.005	90	88985	0.5139	
	73 2-Hexanone	43	18.956	18.950	0.006	90	21708	0.2771	
	74 Chlorodibromomethane	129	19.314	19.314	0.0	96	93585	0.4856	
	75 Ethylene Dibromide	107	19.598	19.603	-0.005	98	66106	0.4696	
S	82 Xylenes, Total	106				0		1.49	
*	76 Chlorobenzene-d5	117	20.443	20.443	0.0	83	1918800	10.0	
	77 Chlorobenzene	112	20.497	20.502	-0.005	58	129862	0.5579	
	78 Ethylbenzene	91	20.614	20.614	0.0	94	155744	0.4790	
	79 n-Nonane	57	20.678	20.673	0.005	76	53782	0.4957	
	80 m-Xylene & p-Xylene	106	20.834	20.833	0.001	100	139833	1.07	
	83 o-Xylene	106	21.550	21.545	0.005	94	52242	0.4221	
	84 Styrene	104	21.588	21.582	0.006	95	77369	0.4213	
	85 Bromoform	173	21.957	21.962	-0.005	99	92486	0.4772	
	86 Isopropylbenzene	105	22.112	22.112	0.0	95	172015	0.4520	
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1305509	NC	
	88 1,1,2,2-Tetrachloroethane	83	22.669	22.668	0.001	90	103396	0.5483	
	90 N-Propylbenzene	91	22.743	22.743	0.0	99	219094	0.4948	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.770	22.770	0.0	87	83276	0.5739	
93	n-Decane	57	22.856	22.861	-0.005	81	72633	0.4783	
91	4-Ethyltoluene	105	22.915	22.909	0.006	96	226925	0.5357	
92	2-Chlorotoluene	91	22.941	22.946	-0.005	85	201834	0.5449	
94	1,3,5-Trimethylbenzene	105	23.000	23.005	-0.005	92	208827	0.5327	
95	Alpha Methyl Styrene	118	23.353	23.353	0.0	91	53663	0.3285	
96	tert-Butylbenzene	119	23.476	23.481	-0.005	91	204550	0.5372	
97	1,2,4-Trimethylbenzene	105	23.573	23.572	0.001	96	192945	0.5157	
98	sec-Butylbenzene	105	23.808	23.808	0.0	98	274870	0.5331	
99	4-Isopropyltoluene	119	24.017	24.011	0.006	88	228988	0.5050	
100	1,3-Dichlorobenzene	146	24.081	24.081	0.0	98	143765	0.5272	
101	1,4-Dichlorobenzene	146	24.220	24.225	-0.005	97	120110	0.4732	
102	Benzyl chloride	91	24.434	24.434	0.0	98	70400	0.3088	
104	Undecane	57	24.632	24.626	0.006	84	60243	0.3912	
103	n-Butylbenzene	91	24.648	24.653	-0.005	96	183834	0.5345	
105	1,2-Dichlorobenzene	146	24.835	24.830	0.005	98	136043	0.5125	
106	Dodecane	57	26.435	26.434	0.001	75	6657	0.0661	M
107	1,2,4-Trichlorobenzene	180	27.735	27.724	0.011	82	40734	0.2987	
108	Hexachlorobutadiene	225	27.927	27.927	0.0	94	117807	0.5462	
109	Naphthalene	128	28.323	28.312	0.011	81	47038	0.1769	M
110	1,2,3-Trichlorobenzene	180	28.880	28.879	0.001	90	35855	0.2822	

QC Flag Legend

Review Flags
M - Manually Integrated

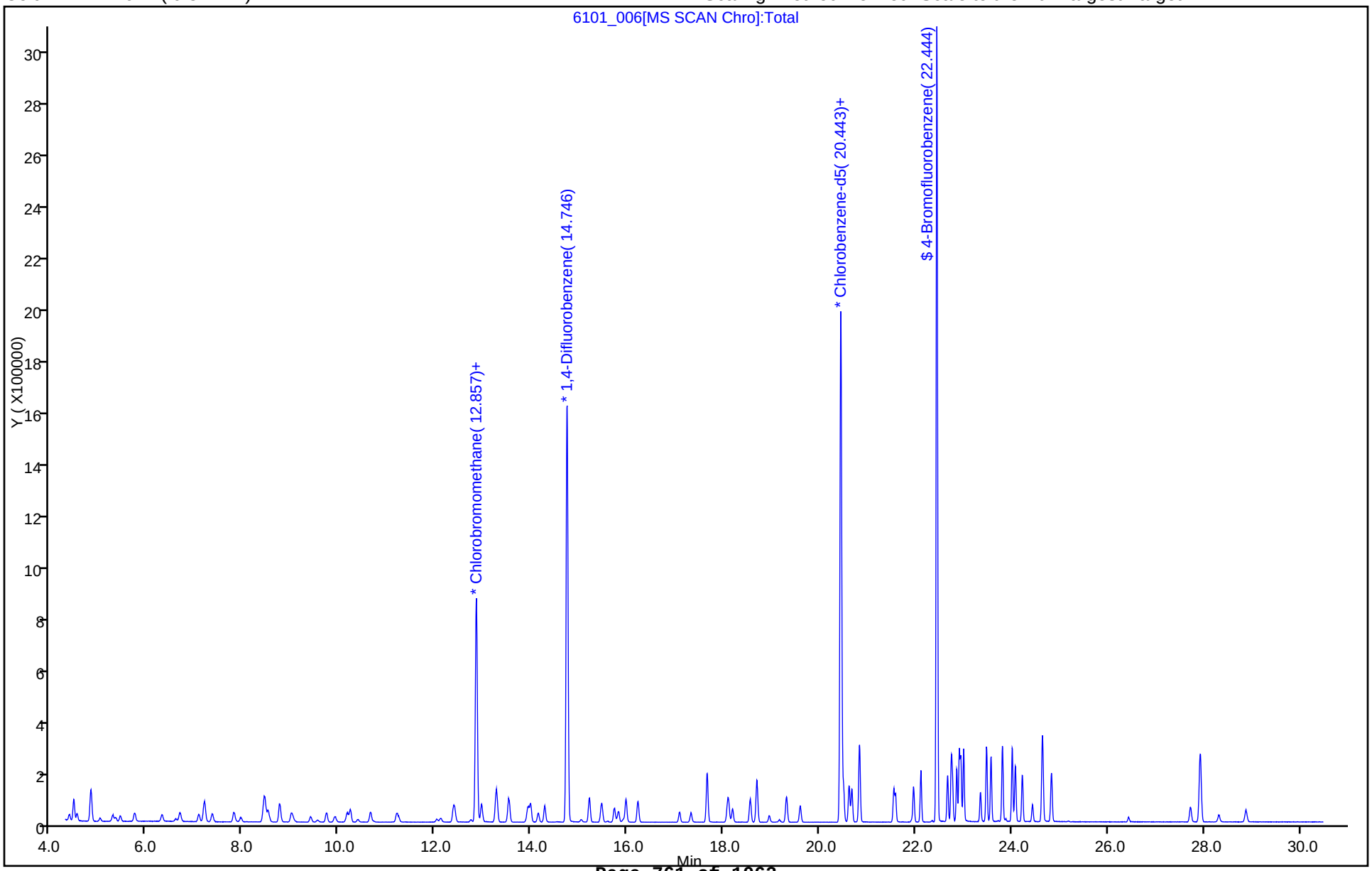
Report Date: 12-Feb-2014 09:35:30 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d

Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A	Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

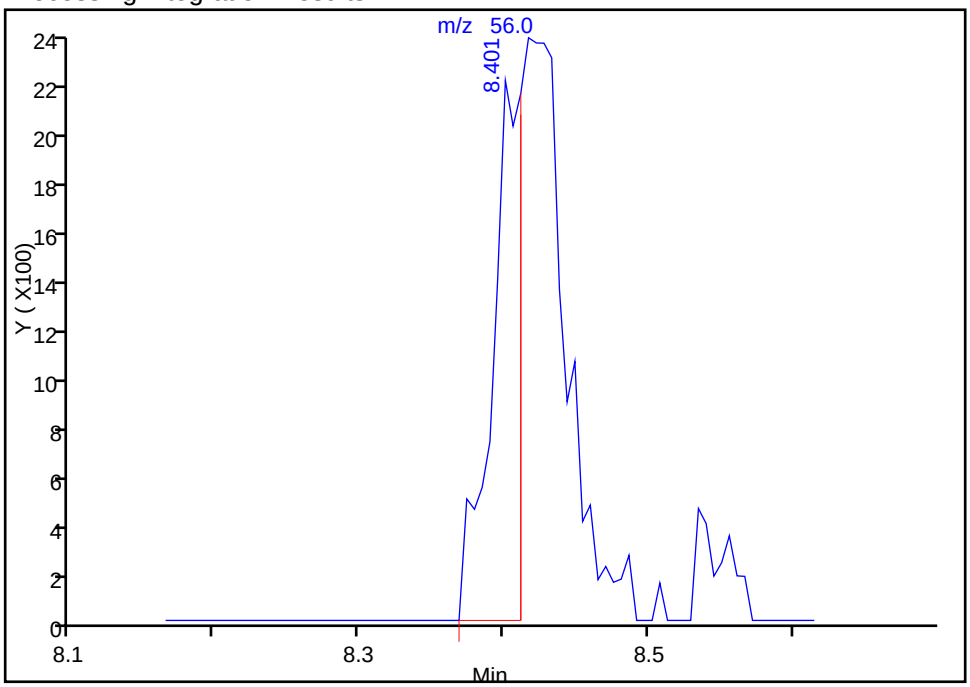
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 Acrolein, CAS: 107-02-8

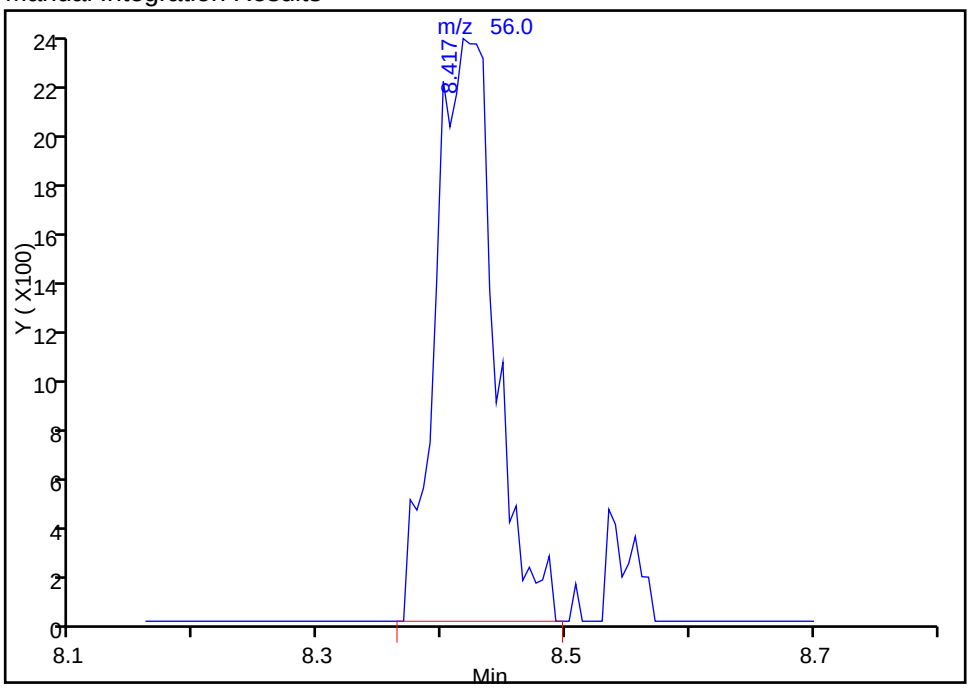
Processing Integration Results

RT: 8.40
Response: 3173
Amount: 0.272238



Manual Integration Results

RT: 8.42
Response: 7793
Amount: 0.568096



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

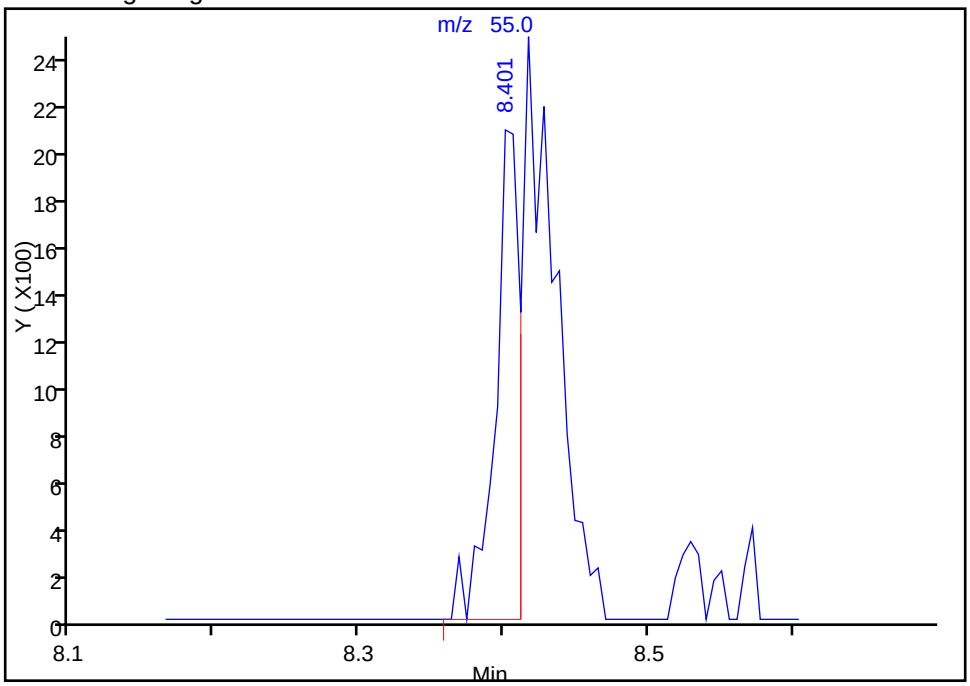
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 Acrolein, CAS: 107-02-8

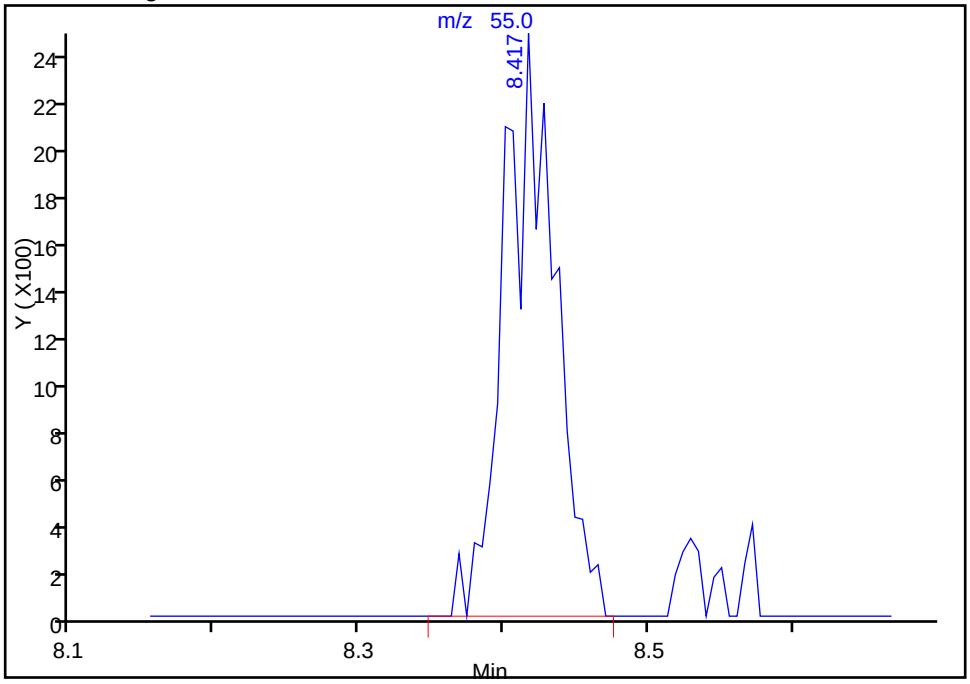
Processing Integration Results

RT: 8.40
Response: 2436
Amount: 0.272238



Manual Integration Results

RT: 8.42
Response: 5952
Amount: 0.568096



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

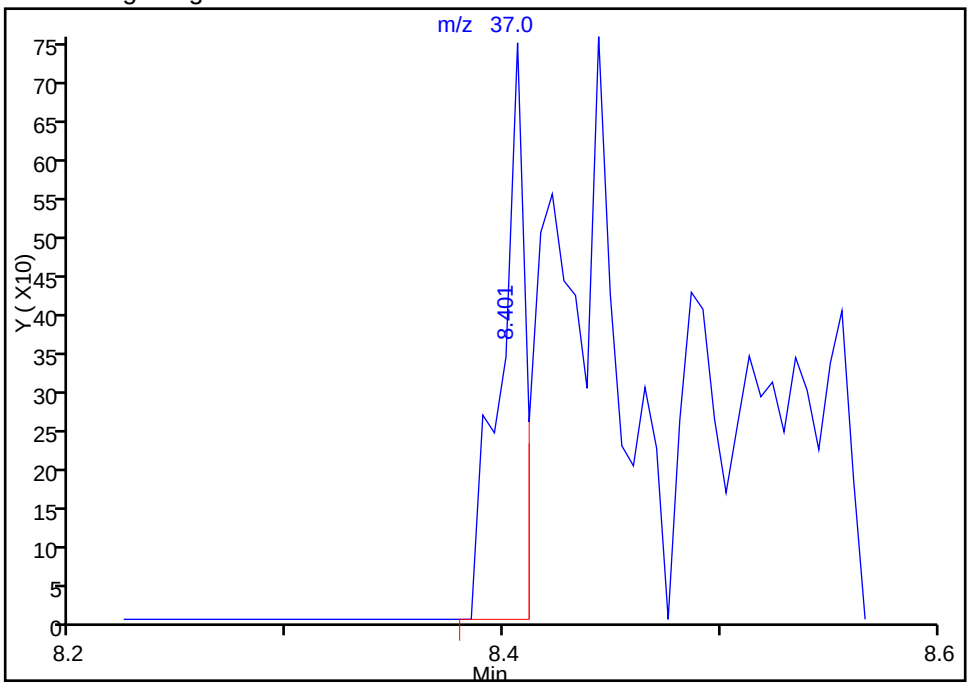
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 Acrolein, CAS: 107-02-8

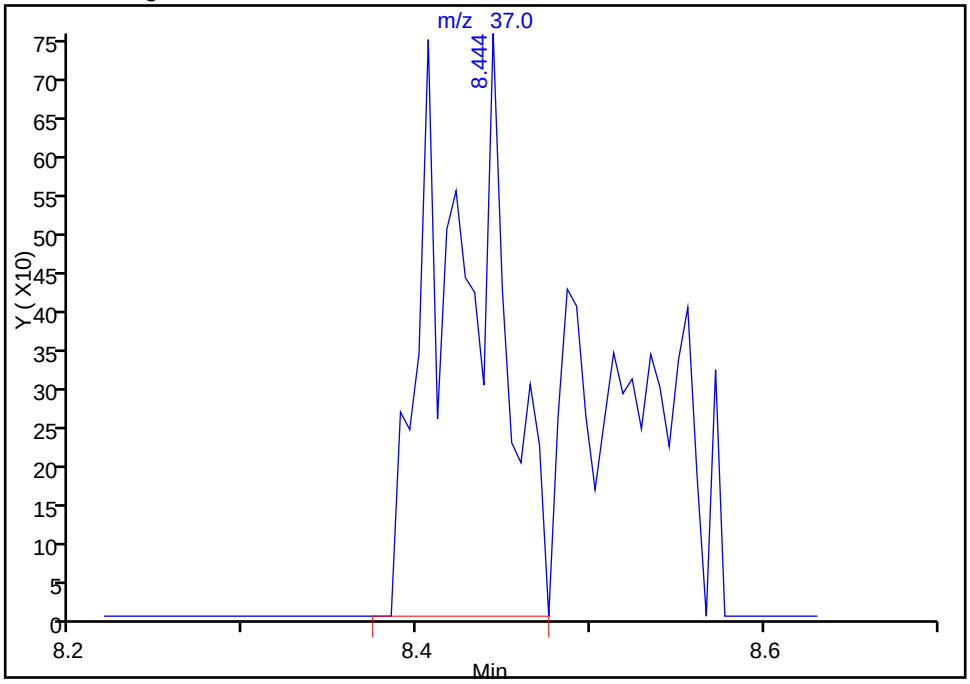
Processing Integration Results

RT: 8.40
Response: 597
Amount: 0.272238



Manual Integration Results

RT: 8.44
Response: 1995
Amount: 0.568096



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

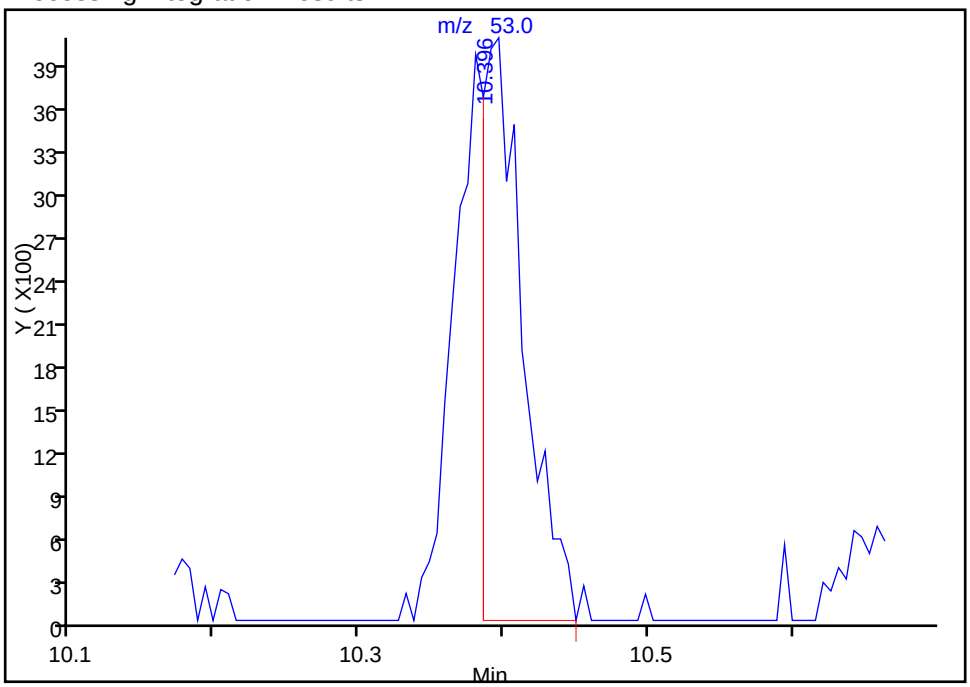
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

35 Acrylonitrile, CAS: 107-13-1

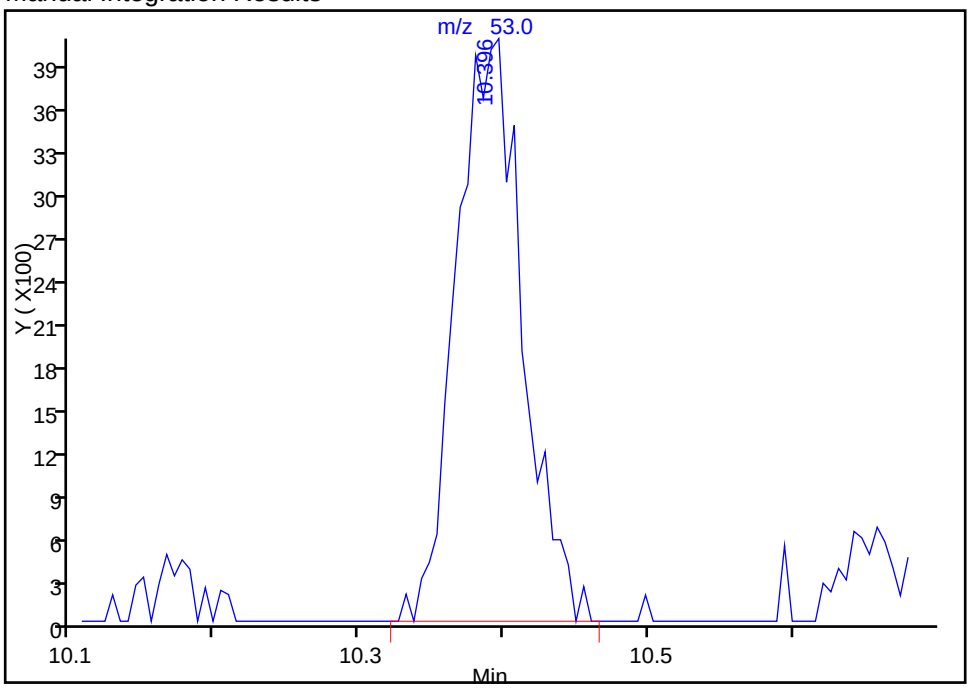
Processing Integration Results

RT: 10.40
Response: 8048
Amount: 0.360017



Manual Integration Results

RT: 10.40
Response: 12951
Amount: 0.457169



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

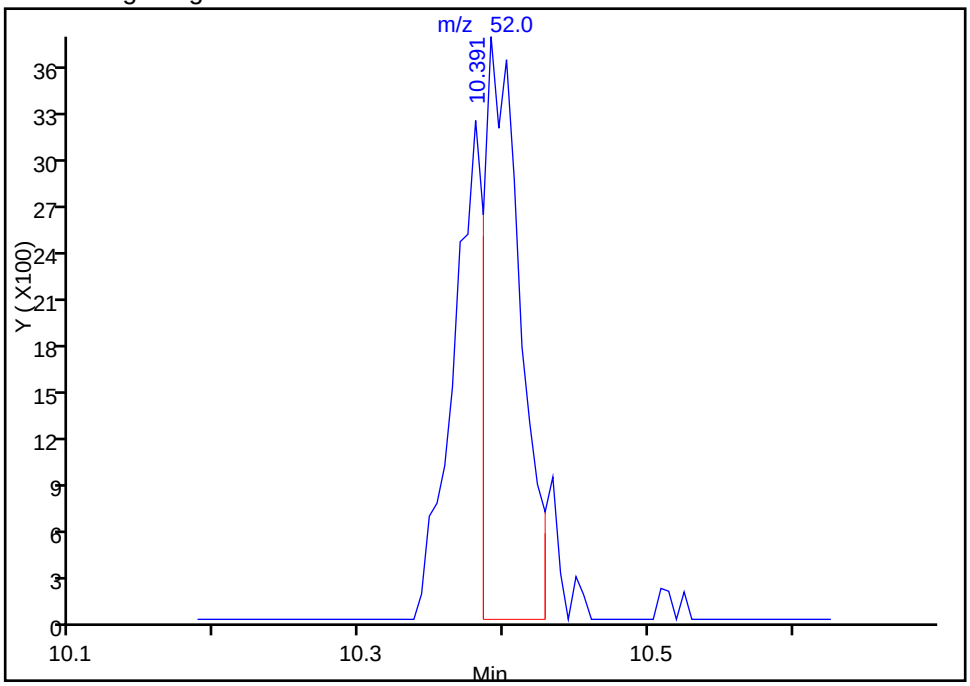
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

35 Acrylonitrile, CAS: 107-13-1

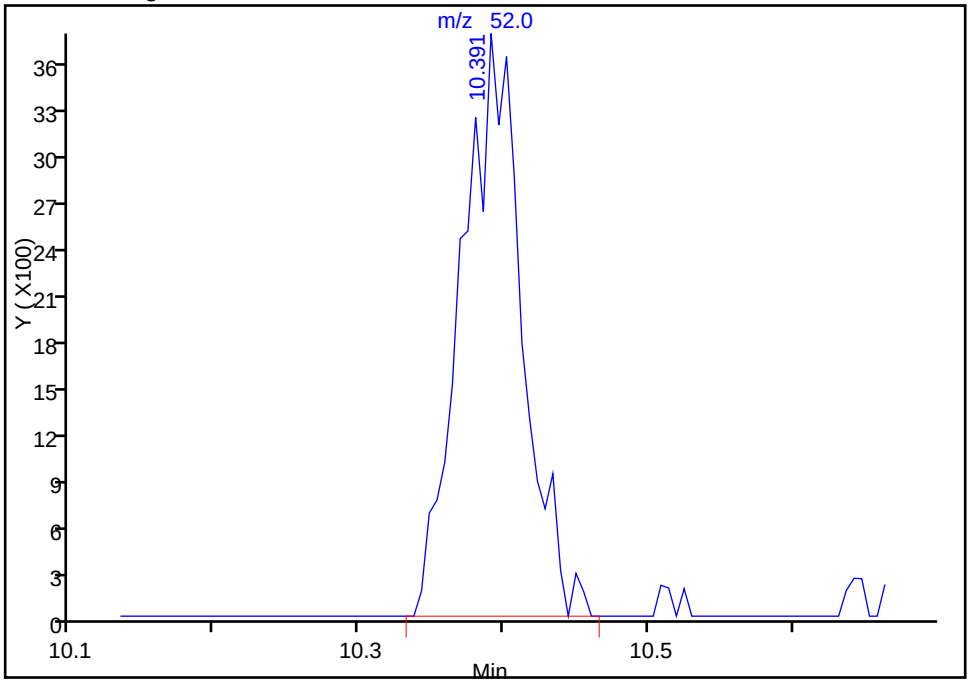
Processing Integration Results

RT: 10.39
Response: 6522
Amount: 0.360017



Manual Integration Results

RT: 10.39
Response: 10912
Amount: 0.457169



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

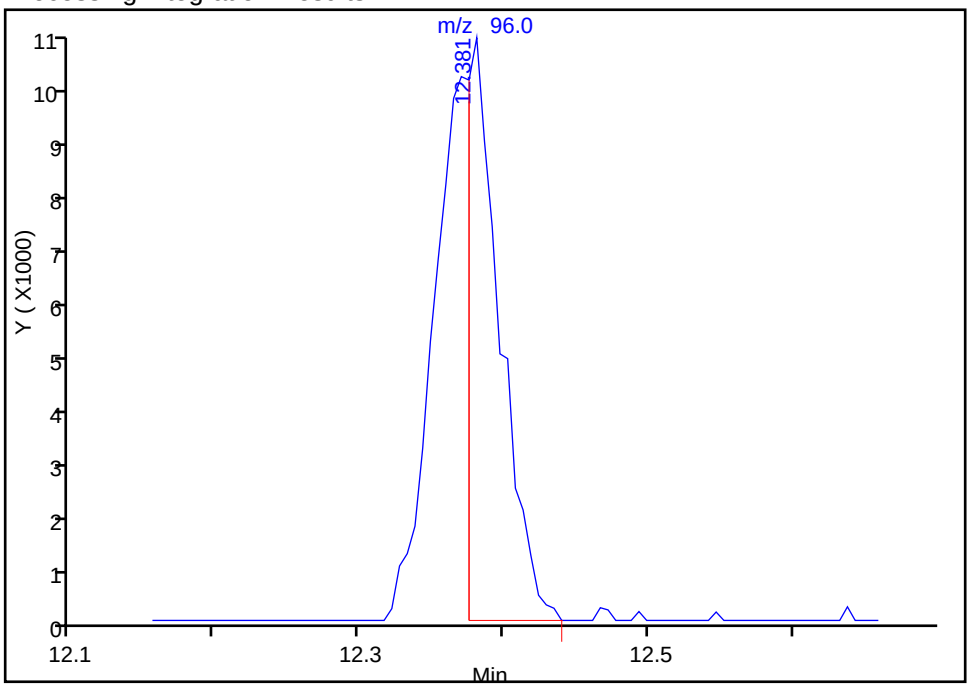
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2

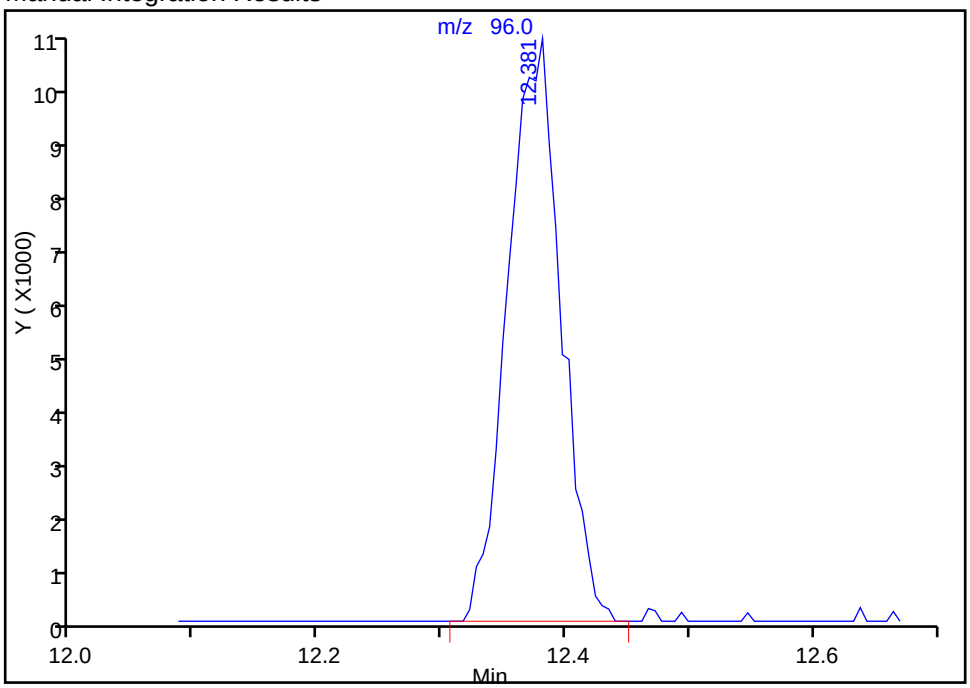
Processing Integration Results

RT: 12.38
Response: 17205
Amount: 0.310272



Manual Integration Results

RT: 12.38
Response: 32364
Amount: 0.485050



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

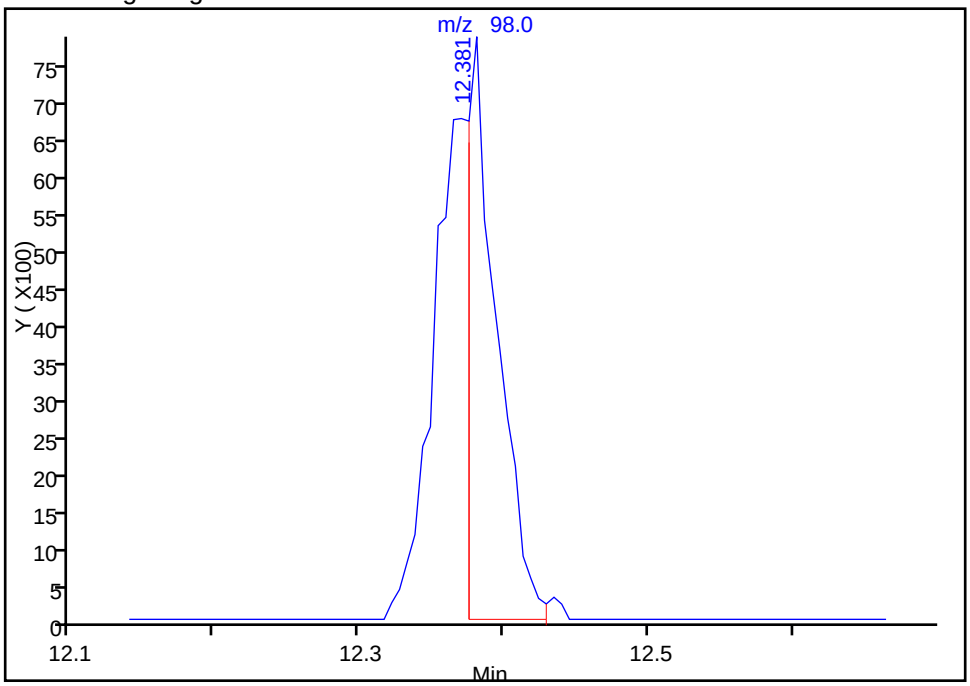
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2

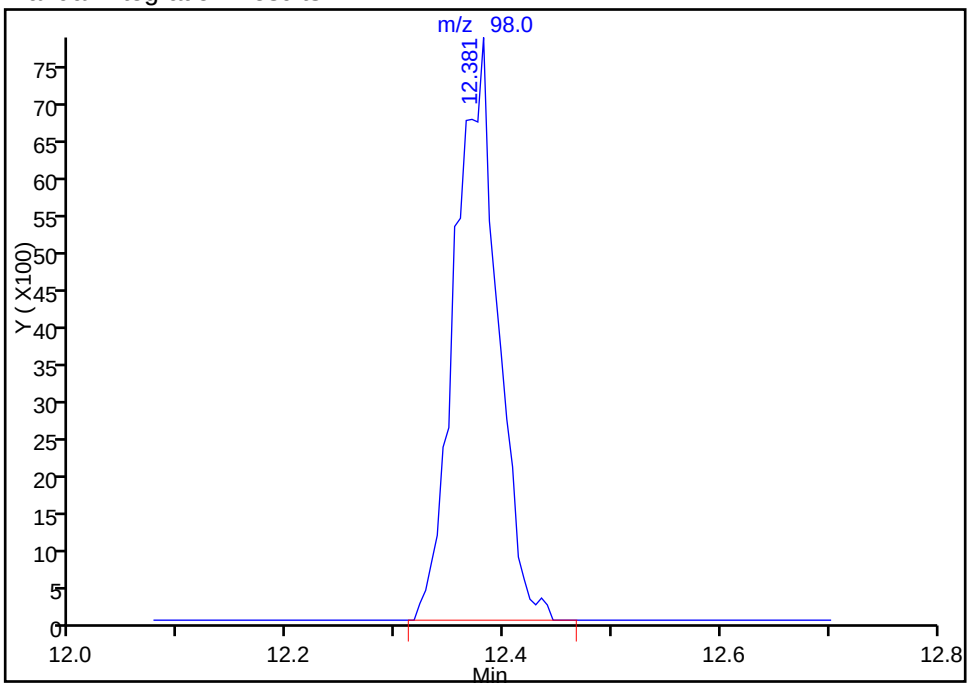
Processing Integration Results

RT: 12.38
Response: 11077
Amount: 0.310272



Manual Integration Results

RT: 12.38
Response: 21340
Amount: 0.485050



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

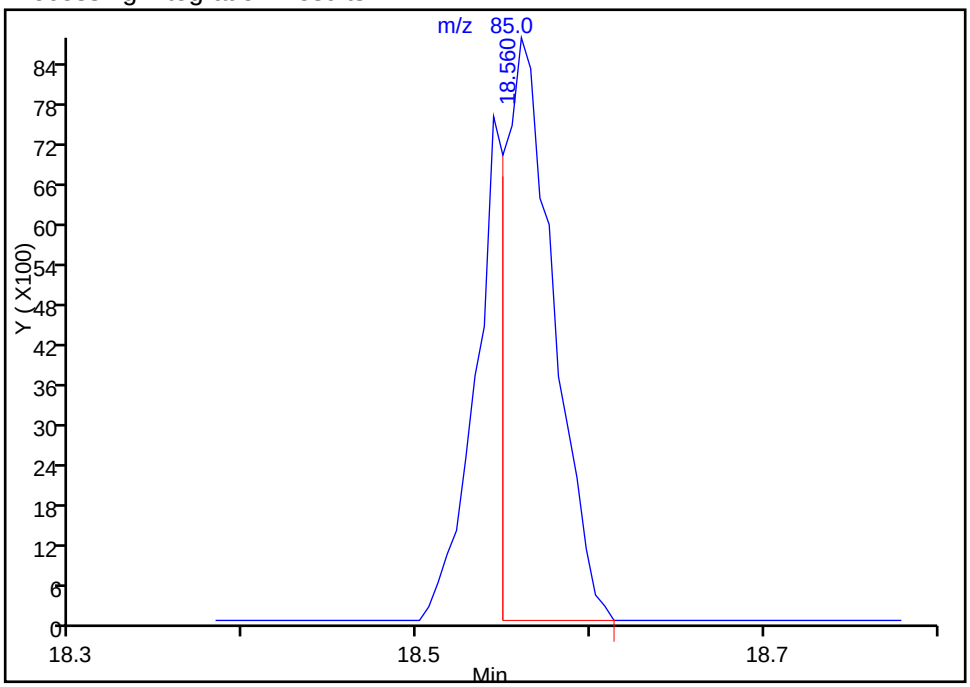
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

71 1,1,2-Trichloroethane, CAS: 79-00-5

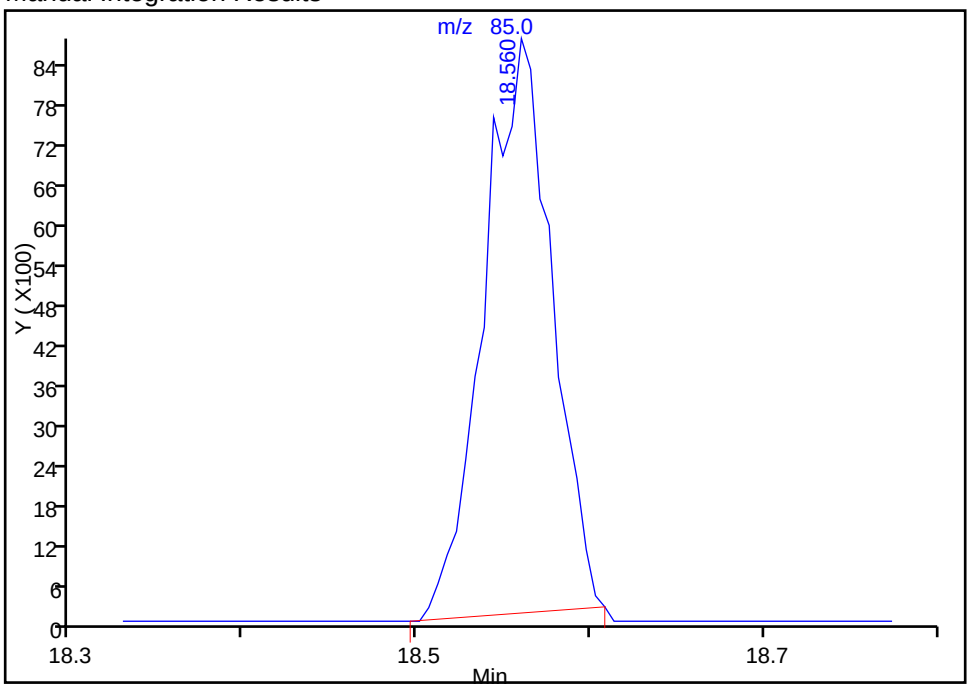
Processing Integration Results

RT: 18.56
Response: 17428
Amount: 0.518244



Manual Integration Results

RT: 18.56
Response: 23492
Amount: 0.518244



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

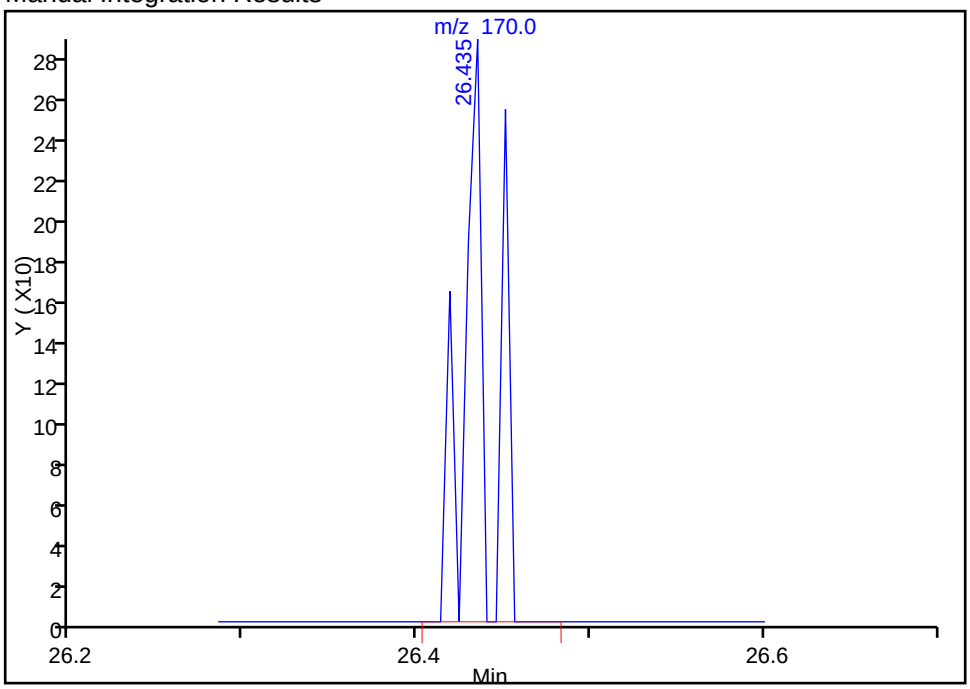
106 Dodecane, CAS: 112-40-3

Processing Integration Results

RT: 26.43
Response: 0
Amount: 0.085352

Manual Integration Results

RT: 26.43
Response: 280
Amount: 0.066066



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

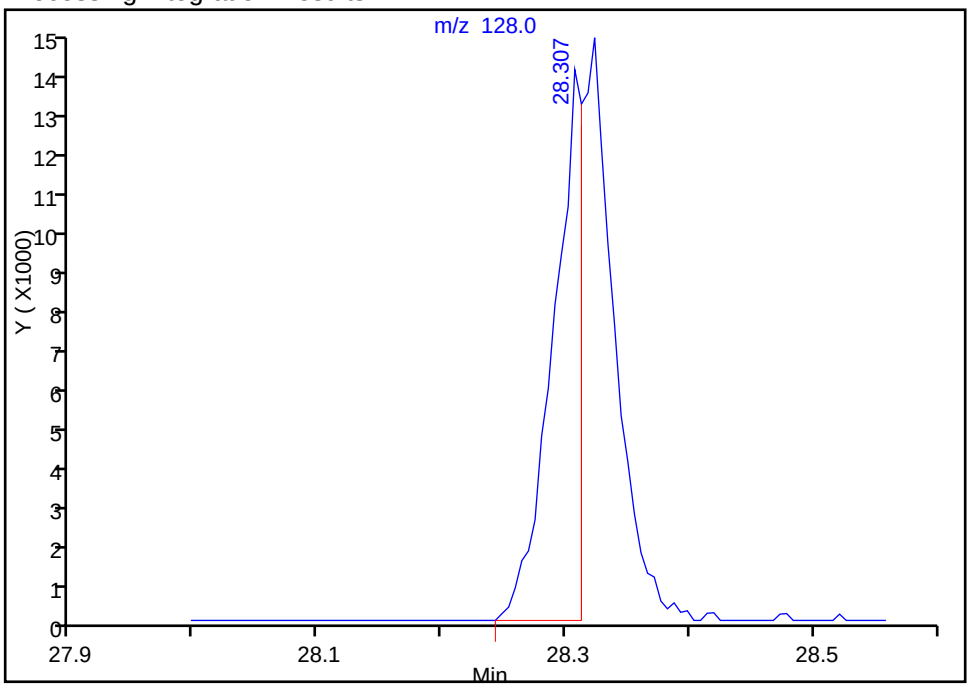
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d				
Injection Date:	11-Feb-2014 20:50:30	Instrument ID:	CHW.i		
Lims ID:	IC	Lab Sample ID:	Client 200-66936/5-A		
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

109 Naphthalene, CAS: 91-20-3

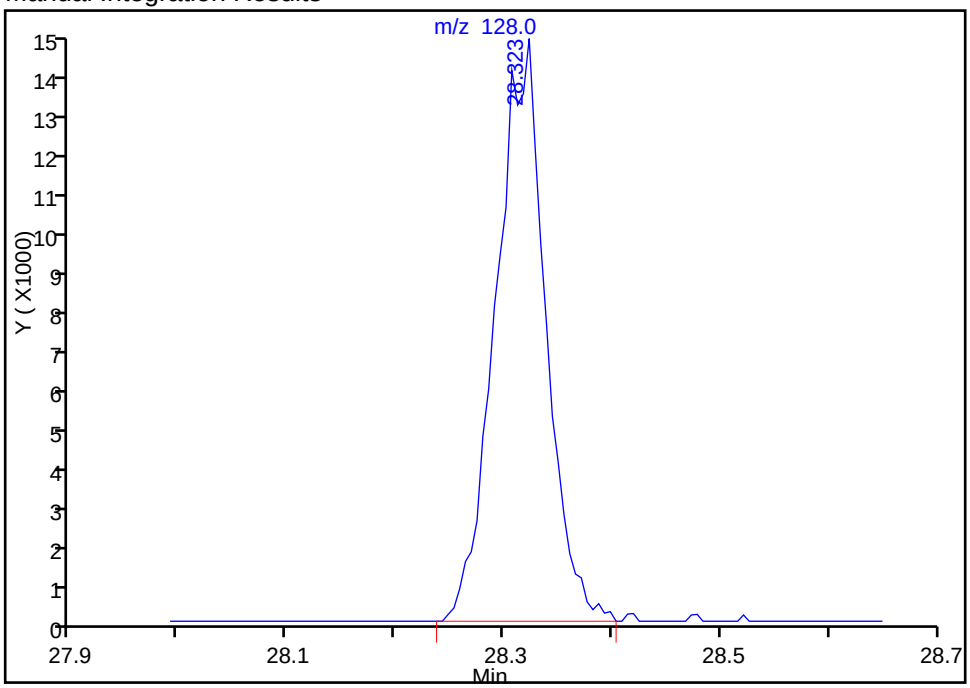
Processing Integration Results

RT: 28.31
Response: 23142
Amount: 0.112900



Manual Integration Results

RT: 28.32
Response: 47038
Amount: 0.176876



Reviewer: lyonsb, 12-Feb-2014 09:15:35
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_007.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-Feb-2014 21:39:30 ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-007
Misc. Info.: IC 04
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:35:30 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:14:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.372	4.383	-0.011	97	171162	5.33	
2 Dichlorodifluoromethane	85	4.463	4.479	-0.016	99	1220565	5.48	
6 Chlorodifluoromethane	51	4.533	4.544	-0.011	74	450035	5.34	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.822	4.832	-0.010	87	981010	5.17	
8 Chloromethane	50	5.014	5.025	-0.011	100	203833	5.32	
9 Butane	43	5.276	5.287	-0.011	95	318783	5.13	
10 Vinyl chloride	62	5.335	5.346	-0.011	97	269168	4.88	
11 Butadiene	54	5.437	5.442	-0.005	93	174832	5.15	
13 BFB								
12 Bromomethane	94	6.309	6.314	-0.005	98	289016	5.07	
14 Chloroethane	64	6.592	6.598	-0.006	99	152598	5.20	
15 2-Methylbutane	43	6.678	6.678	0.0	86	236416	4.99	
16 Vinyl bromide	106	7.069	7.079	-0.010	97	392846	5.17	
17 Trichlorofluoromethane	101	7.186	7.192	-0.006	98	1279646	5.13	
18 Pentane	43	7.352	7.357	-0.005	92	352418	5.31	
19 Ethanol	45	7.807	7.796	0.011	99	131994	9.48	
21 Ethyl ether	59	7.941	7.941	0.0	90	183849	5.29	
22 Acrolein	56	8.411	8.406	0.005	97	76637	5.25	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.438	8.443	-0.005	94	808116	5.17	
24 1,1-Dichloroethene	96	8.513	8.518	-0.005	95	354054	5.26	
25 Acetone	43	8.748	8.748	0.0	87	391667	5.54	
26 Carbon disulfide	76	8.994	9.000	-0.006	98	831075	5.36	
27 Isopropyl alcohol	45	9.032	9.032	0.0	96	316558	5.34	
29 3-Chloro-1-propene	41	9.406	9.406	0.0	82	252541	5.28	
30 Acetonitrile	41	9.535	9.535	0.0	98	142489	5.50	
31 Methylene Chloride	49	9.727	9.733	-0.006	79	257469	5.23	
32 2-Methyl-2-propanol	59	9.909	9.904	0.005	99	535129	4.98	
33 Methyl tert-butyl ether	73	10.155	10.161	-0.006	95	980616	5.51	
S 41 1,2-Dichloroethene, Total	61				0		10.8	
34 trans-1,2-Dichloroethene	61	10.230	10.236	-0.006	89	433458	5.34	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
35 Acrylonitrile	53	10.385	10.385	0.0	92	159777	5.30
36 Hexane	57	10.642	10.653	-0.011	89	385941	5.66
37 1,1-Dichloroethane	63	11.204	11.199	0.005	99	539837	4.95
38 Vinyl acetate	43	11.236	11.236	0.0	98	542530	5.35
39 cis-1,2-Dichloroethene	96	12.370	12.375	-0.005	96	386761	5.44
40 2-Butanone (MEK)	72	12.392	12.392	0.0	99	154286	5.15
42 Ethyl acetate	88	12.408	12.413	-0.005	98	30878	5.31
44 Tetrahydrofuran	42	12.846	12.846	0.0	69	222914	5.27
* 43 Chlorobromomethane	128	12.857	12.852	0.005	69	486864	10.0
45 Chloroform	83	12.964	12.964	0.0	99	839011	5.14
46 Cyclohexane	84	13.264	13.264	0.0	82	469748	5.75
47 1,1,1-Trichloroethane	97	13.280	13.280	0.0	94	987246	5.29
48 Carbon tetrachloride	117	13.531	13.531	0.0	98	1073132	5.03
51 Isooctane	57	13.932	13.927	0.005	97	1284681	5.91
50 Benzene	78	13.986	13.986	0.0	93	1074151	5.51
52 1,2-Dichloroethane	62	14.146	14.141	0.005	99	515799	5.23
53 n-Heptane	43	14.280	14.275	0.005	81	404843	5.96
* 54 1,4-Difluorobenzene	114	14.745	14.745	0.0	92	2237364	10.0
A 57 GRO	1	14.769	6.668 - 22.871		0	148428451	0
55 n-Butanol	56	15.029	15.024	0.005	86	109119	4.51
56 Trichloroethene	95	15.211	15.211	0.0	95	548439	5.46
58 1,2-Dichloropropane	63	15.730	15.730	0.0	84	315796	5.32
59 Methyl methacrylate	69	15.815	15.815	0.0	77	334014	5.43
60 1,4-Dioxane	88	15.901	15.901	0.0	84	196887	5.77
61 Dibromomethane	174	15.971	15.970	0.0	88	673103	5.47
62 Dichlorobromomethane	83	16.222	16.222	0.0	98	924191	5.38
A 63 TVOC as Toluene	1	16.631	4.373 - 28.889		0	264356361	1629.3
64 cis-1,3-Dichloropropene	75	17.089	17.083	0.006	90	545437	5.61
65 4-Methyl-2-pentanone (MIBK)	43	17.324	17.324	0.0	91	535897	5.63
A 68 C8 Range	1	17.656	17.606 - 17.706		0	6299768	NC
69 n-Octane	43	17.661	17.656	0.005	72	579055	6.43
66 Toluene	92	17.661	17.661	0.0	93	882590	5.92
A 67 Toluene Range	1	17.661	17.621 - 17.701		0	6299768	NC
70 trans-1,3-Dichloropropene	75	18.191	18.191	0.0	95	619426	5.55
71 1,1,2-Trichloroethane	83	18.560	18.560	0.0	92	399446	5.38
72 Tetrachloroethene	166	18.699	18.699	0.0	97	1020413	5.50
73 2-Hexanone	43	18.950	18.950	0.0	91	443501	5.29
74 Chlorodibromomethane	129	19.314	19.314	0.0	97	1138452	5.52
75 Ethylene Dibromide	107	19.598	19.603	-0.005	98	829518	5.50
S 82 Xylenes, Total	106				0		18.2
* 76 Chlorobenzene-d5	117	20.448	20.443	0.005	82	2054549	10.0
77 Chlorobenzene	112	20.502	20.502	0.0	96	1330706	5.34
78 Ethylbenzene	91	20.614	20.614	0.0	95	2028333	5.83
79 n-Nonane	57	20.673	20.673	0.0	78	696553	6.00
80 m-Xylene & p-Xylene	106	20.833	20.833	0.0	100	1675100	11.9
83 o-Xylene	106	21.545	21.545	0.0	94	826439	6.24
84 Styrene	104	21.582	21.582	0.0	96	1240344	6.31
85 Bromoform	173	21.962	21.962	0.0	99	1186666	5.72
86 Isopropylbenzene	105	22.107	22.112	-0.005	95	2596374	6.37
$ 87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1475263	NC
88 1,1,2,2-Tetrachloroethane	83	22.668	22.668	0.0	95	1112645	5.51
90 N-Propylbenzene	91	22.743	22.743	0.0	99	2968983	6.26

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.770	22.770	0.0	86	882232	5.68
93	n-Decane	57	22.856	22.861	-0.005	82	992488	6.10
91	4-Ethyltoluene	105	22.909	22.909	0.0	96	2744394	6.05
92	2-Chlorotoluene	91	22.941	22.946	-0.005	93	2311137	5.83
94	1,3,5-Trimethylbenzene	105	23.000	23.005	-0.005	92	2501007	5.96
95	Alpha Methyl Styrene	118	23.353	23.353	0.0	89	1135811	6.49
96	tert-Butylbenzene	119	23.476	23.481	-0.005	93	2538938	6.23
97	1,2,4-Trimethylbenzene	105	23.572	23.572	0.0	96	2503522	6.25
98	sec-Butylbenzene	105	23.808	23.808	0.0	98	3515887	6.37
99	4-Isopropyltoluene	119	24.011	24.011	0.0	95	3130978	6.45
100	1,3-Dichlorobenzene	146	24.081	24.081	0.0	98	1675063	5.74
101	1,4-Dichlorobenzene	146	24.225	24.225	0.0	96	1579835	5.81
102	Benzyl chloride	91	24.434	24.434	0.0	100	1396458	5.72
104	Undecane	57	24.632	24.626	0.006	88	1039378	6.30
103	n-Butylbenzene	91	24.648	24.653	-0.005	97	2306191	6.26
105	1,2-Dichlorobenzene	146	24.830	24.830	0.0	98	1648253	5.80
106	Dodecane	57	26.435	26.434	0.001	89	643320	5.96
107	1,2,4-Trichlorobenzene	180	27.724	27.724	0.0	93	776311	5.32
108	Hexachlorobutadiene	225	27.927	27.927	0.0	95	1379928	5.98
109	Naphthalene	128	28.312	28.312	0.0	99	1507181	5.29
110	1,2,3-Trichlorobenzene	180	28.879	28.879	0.0	96	837537	6.16

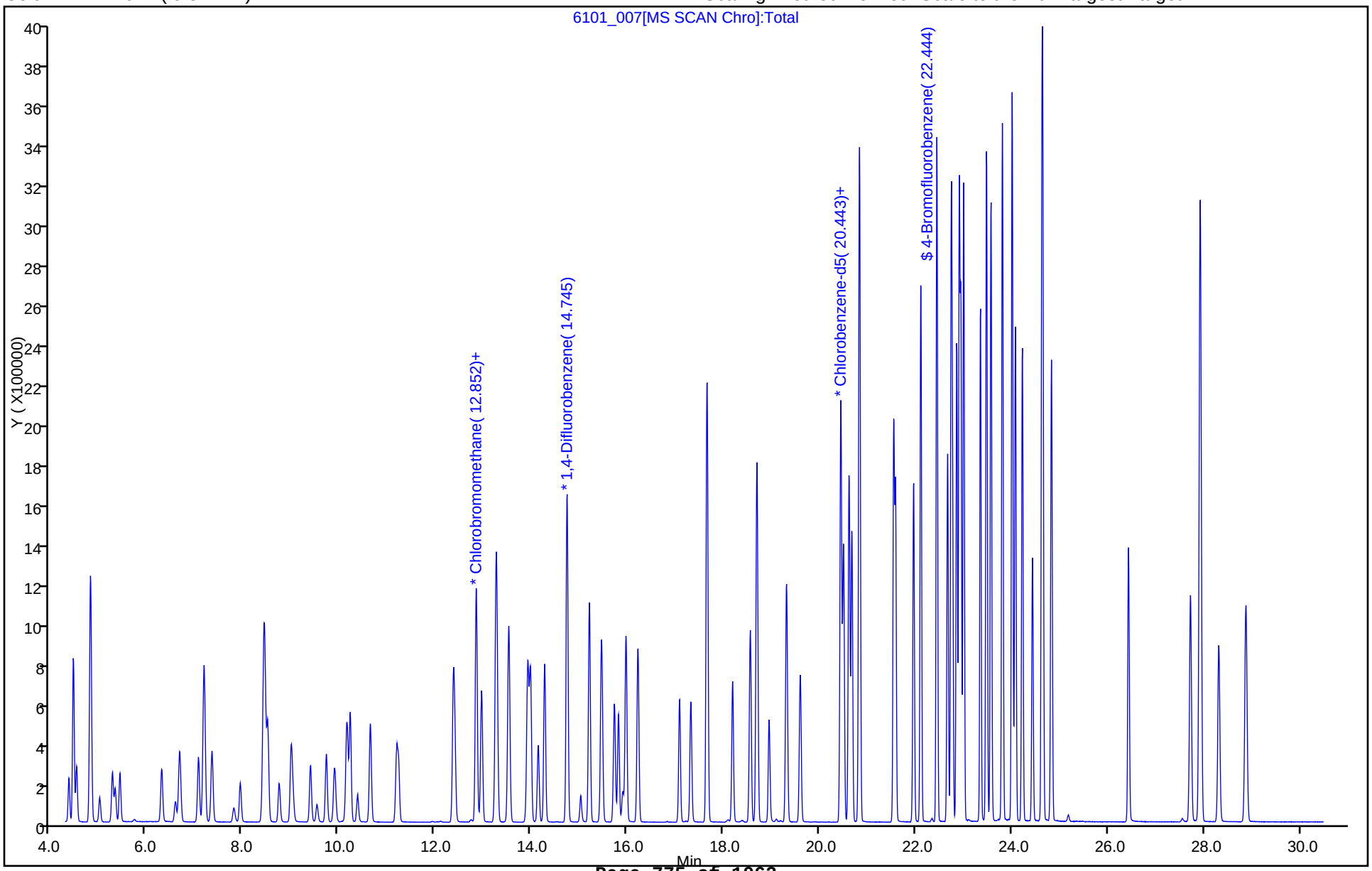
Report Date: 12-Feb-2014 09:35:32 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_007.d

Injection Date:	11-Feb-2014 21:39:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_008.d
Lims ID: ICIS Lab Sample ID:
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 11-Feb-2014 22:30:30 ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-008
Misc. Info.: ICIS 05
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:35:32 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:11:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.383	4.383	0.0	97	343851	10.4	
2 Dichlorodifluoromethane	85	4.479	4.479	0.0	99	2378638	10.4	
6 Chlorodifluoromethane	51	4.544	4.544	0.0	93	899214	10.3	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.832	4.832	0.0	86	1945417	9.95	
8 Chloromethane	50	5.025	5.025	0.0	99	405869	10.3	
9 Butane	43	5.287	5.287	0.0	96	669296	10.5	
10 Vinyl chloride	62	5.346	5.346	0.0	97	540976	9.52	
11 Butadiene	54	5.442	5.442	0.0	94	355554	10.2	
13 BFB								
12 Bromomethane	94	6.314	6.314	0.0	98	560804	9.55	
14 Chloroethane	64	6.598	6.598	0.0	97	302251	10.0	
15 2-Methylbutane	43	6.678	6.678	0.0	86	482131	9.88	
16 Vinyl bromide	106	7.079	7.079	0.0	97	818236	10.5	
17 Trichlorofluoromethane	101	7.192	7.192	0.0	98	2528605	9.84	
18 Pentane	43	7.357	7.357	0.0	93	741782	10.8	
19 Ethanol	45	7.796	7.796	0.0	99	226444	15.8	
21 Ethyl ether	59	7.941	7.941	0.0	90	383629	10.7	
22 Acrolein	56	8.406	8.406	0.0	97	155867	10.4	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.443	8.443	0.0	93	1592514	9.90	
24 1,1-Dichloroethene	96	8.518	8.518	0.0	94	739217	10.7	
25 Acetone	43	8.748	8.748	0.0	87	750249	10.3	
26 Carbon disulfide	76	9.000	9.000	0.0	99	1626028	10.2	
27 Isopropyl alcohol	45	9.032	9.032	0.0	96	638753	10.5	
29 3-Chloro-1-propene	41	9.406	9.406	0.0	82	543129	11.0	
30 Acetonitrile	41	9.535	9.535	0.0	99	277223	10.4	
31 Methylene Chloride	49	9.733	9.733	0.0	80	505909	9.98	
32 2-Methyl-2-propanol	59	9.904	9.904	0.0	99	1146724	10.4	
33 Methyl tert-butyl ether	73	10.161	10.161	0.0	94	2031361	11.1	
S 41 1,2-Dichloroethene, Total	61				0		21.0	
34 trans-1,2-Dichloroethene	61	10.236	10.236	0.0	89	867076	10.4	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	35 Acrylonitrile	53	10.385	10.385	0.0	95	326101	10.5	
	36 Hexane	57	10.653	10.653	0.0	89	788682	11.2	
	37 1,1-Dichloroethane	63	11.199	11.199	0.0	99	1069009	9.51	
	38 Vinyl acetate	43	11.236	11.236	0.0	99	1146393	11.0	
	39 cis-1,2-Dichloroethene	96	12.375	12.375	0.0	96	774715	10.6	
	40 2-Butanone (MEK)	72	12.392	12.392	0.0	99	313135	10.2	
	42 Ethyl acetate	88	12.413	12.413	0.0	99	61836	10.3	
	44 Tetrahydrofuran	42	12.846	12.846	0.0	84	457039	10.5	
*	43 Chlorobromomethane	128	12.852	12.852	0.0	69	501508	10.0	
	45 Chloroform	83	12.964	12.964	0.0	99	1649325	9.81	
	46 Cyclohexane	84	13.264	13.264	0.0	83	957033	11.4	
	47 1,1,1-Trichloroethane	97	13.280	13.280	0.0	95	1968604	10.2	
	48 Carbon tetrachloride	117	13.531	13.531	0.0	98	2161114	9.84	
	51 Isooctane	57	13.927	13.927	0.0	97	2610676	11.7	
	50 Benzene	78	13.986	13.986	0.0	94	2086670	10.4	
	52 1,2-Dichloroethane	62	14.141	14.141	0.0	99	1031280	10.1	
	53 n-Heptane	43	14.275	14.275	0.0	82	813077	11.6	
*	54 1,4-Difluorobenzene	114	14.745	14.745	0.0	93	2304289	10.0	
A	57 GRO	1	14.769	6.668 -	22.871	0	293432317	0	
	55 n-Butanol	56	15.024	15.024	0.0	85	273216	11.0	
	56 Trichloroethene	95	15.211	15.211	0.0	96	1093818	10.6	
	58 1,2-Dichloropropane	63	15.730	15.730	0.0	84	633574	10.4	
	59 Methyl methacrylate	69	15.815	15.815	0.0	77	689745	10.9	
	60 1,4-Dioxane	88	15.901	15.901	0.0	84	391865	11.1	
	61 Dibromomethane	174	15.970	15.970	0.0	88	1293999	10.2	
	62 Dichlorobromomethane	83	16.222	16.222	0.0	98	1820765	10.3	
A	63 TVOC as Toluene	1	16.631	4.373 -	28.889	0	508101519	3040.6	
	64 cis-1,3-Dichloropropene	75	17.083	17.083	0.0	90	1150881	11.5	
	65 4-Methyl-2-pentanone (MIBK)	43	17.324	17.324	0.0	90	1109388	11.3	
A	68 C8 Range	1	17.656	17.606 -	17.706	0	11725978	NC	
	69 n-Octane	43	17.656	17.656	0.0	75	1086165	11.7	
	66 Toluene	92	17.661	17.661	0.0	93	1640930	10.7	
A	67 Toluene Range	1	17.661	17.621 -	17.701	0	11725978	NC	
	70 trans-1,3-Dichloropropene	75	18.191	18.191	0.0	95	1285366	11.2	
	71 1,1,2-Trichloroethane	83	18.560	18.560	0.0	92	772501	10.1	
	72 Tetrachloroethene	166	18.699	18.699	0.0	98	1955557	10.3	
	73 2-Hexanone	43	18.950	18.950	0.0	90	999194	11.6	
	74 Chlorodibromomethane	129	19.314	19.314	0.0	97	2243618	10.6	
	75 Ethylene Dibromide	107	19.603	19.603	0.0	99	1647907	10.6	
S	82 Xylenes, Total	106				0		32.8	
*	76 Chlorobenzene-d5	117	20.443	20.443	0.0	77	2110792	10.0	
	77 Chlorobenzene	112	20.502	20.502	0.0	95	2507389	9.79	
	78 Ethylbenzene	91	20.614	20.614	0.0	96	3850088	10.8	
	79 n-Nonane	57	20.673	20.673	0.0	78	1317312	11.0	
	80 m-Xylene & p-Xylene	106	20.833	20.833	0.0	100	3079468	21.3	
	83 o-Xylene	106	21.545	21.545	0.0	94	1565048	11.5	
	84 Styrene	104	21.582	21.582	0.0	95	2307779	11.4	
	85 Bromoform	173	21.962	21.962	0.0	99	2310981	10.8	
	86 Isopropylbenzene	105	22.112	22.112	0.0	95	4904975	11.7	
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1509344	NC	
	88 1,1,2,2-Tetrachloroethane	83	22.668	22.668	0.0	94	2110021	10.2	
	90 N-Propylbenzene	91	22.743	22.743	0.0	99	5484899	11.3	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.770	22.770	0.0	86	1679144	10.5	
93	n-Decane	57	22.861	22.861	0.0	82	1831550	11.0	
91	4-Ethyltoluene	105	22.909	22.909	0.0	85	5051019	10.8	
92	2-Chlorotoluene	91	22.946	22.946	0.0	90	4210305	10.3	
94	1,3,5-Trimethylbenzene	105	23.005	23.005	0.0	92	4581558	10.6	
95	Alpha Methyl Styrene	118	23.353	23.353	0.0	89	2172262	12.1	
96	tert-Butylbenzene	119	23.481	23.481	0.0	90	4623515	11.0	
97	1,2,4-Trimethylbenzene	105	23.572	23.572	0.0	97	4494942	10.9	
98	sec-Butylbenzene	105	23.808	23.808	0.0	98	6292317	11.1	
99	4-Isopropyltoluene	119	24.011	24.011	0.0	82	5659873	11.3	
100	1,3-Dichlorobenzene	146	24.081	24.081	0.0	97	2996936	10.0	
101	1,4-Dichlorobenzene	146	24.225	24.225	0.0	96	2911165	10.4	
102	Benzyl chloride	91	24.434	24.434	0.0	100	2879263	11.5	
104	Undecane	57	24.626	24.626	0.0	88	1771437	10.5	
103	n-Butylbenzene	91	24.653	24.653	0.0	97	4052857	10.7	
105	1,2-Dichlorobenzene	146	24.830	24.830	0.0	98	2985364	10.2	
106	Dodecane	57	26.434	26.434	0.0	90	1198806	10.8	
107	1,2,4-Trichlorobenzene	180	27.724	27.724	0.0	92	1455819	9.70	
108	Hexachlorobutadiene	225	27.927	27.927	0.0	95	2517277	10.6	
109	Naphthalene	128	28.312	28.312	0.0	99	2874765	9.83	
110	1,2,3-Trichlorobenzene	180	28.879	28.879	0.0	96	1579192	11.3	

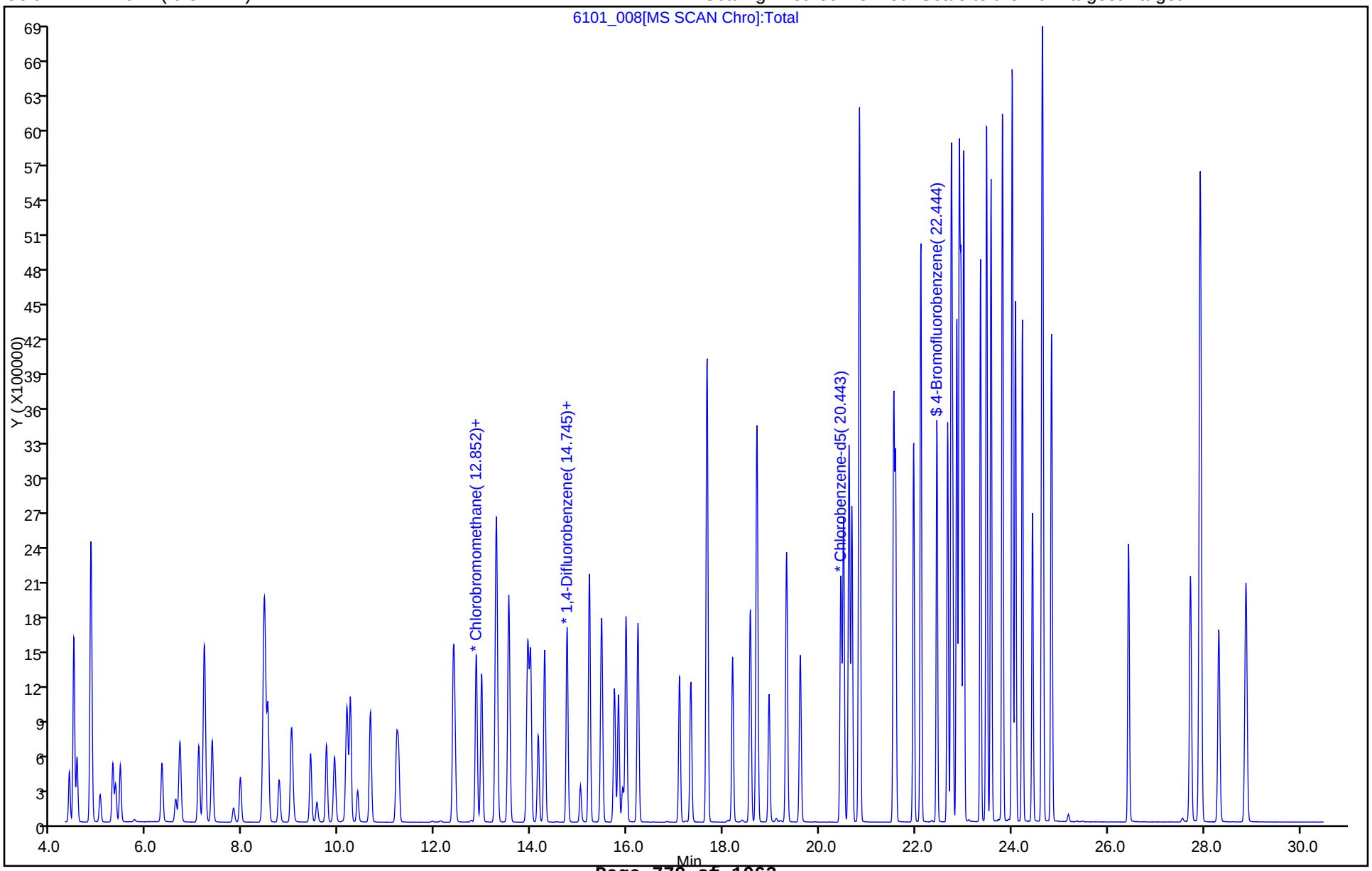
Report Date: 12-Feb-2014 09:35:33 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_008.d

Injection Date:	11-Feb-2014 22:30:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	ICIS	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 12-Feb-2014 09:35:35 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_009.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 11-Feb-2014 23:18:30 ALS Bottle#: 6 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-009
Misc. Info.: IC 06
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:35:34 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:13:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.383	4.383	0.0	96	497717	14.3	
2 Dichlorodifluoromethane	85	4.474	4.479	-0.005	99	3454862	14.3	
6 Chlorodifluoromethane	51	4.543	4.544	-0.001	93	1313467	14.4	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.832	4.832	0.0	87	2820237	13.7	
8 Chloromethane	50	5.025	5.025	0.0	99	588133	14.2	
9 Butane	43	5.292	5.287	0.005	95	1011815	15.0	
10 Vinyl chloride	62	5.346	5.346	0.0	97	835769	14.0	
11 Butadiene	54	5.448	5.442	0.006	94	560716	15.3	
13 BFB								
12 Bromomethane	94	6.314	6.314	0.0	98	828778	13.4	
14 Chloroethane	64	6.598	6.598	0.0	99	457236	14.4	
15 2-Methylbutane	43	6.689	6.678	0.011	86	738402	14.4	
16 Vinyl bromide	106	7.079	7.079	0.0	96	1217044	14.8	
17 Trichlorofluoromethane	101	7.192	7.192	0.0	98	3703863	13.7	
18 Pentane	43	7.357	7.357	0.0	94	1108891	15.4	
19 Ethanol	45	7.812	7.796	0.016	100	308515	20.5	
21 Ethyl ether	59	7.946	7.941	0.005	90	581305	15.5	
22 Acrolein	56	8.411	8.406	0.005	96	237523	15.0	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.443	8.443	0.0	94	2306374	13.6	
24 1,1-Dichloroethene	96	8.518	8.518	0.0	95	1078004	14.8	
25 Acetone	43	8.754	8.748	0.006	87	1125892	14.7	
26 Carbon disulfide	76	9.005	9.000	0.005	99	2596279	15.5	
27 Isopropyl alcohol	45	9.043	9.032	0.011	97	961747	15.0	
29 3-Chloro-1-propene	41	9.406	9.406	0.0	81	829304	16.0	
30 Acetonitrile	41	9.545	9.535	0.010	98	411094	14.7	
31 Methylene Chloride	49	9.738	9.733	0.005	79	744018	14.0	
32 2-Methyl-2-propanol	59	9.915	9.904	0.011	98	1783773	15.3	
33 Methyl tert-butyl ether	73	10.166	10.161	0.005	94	3170295	16.4	
S 41 1,2-Dichloroethene, Total	61				0		29.6	
34 trans-1,2-Dichloroethene	61	10.236	10.236	0.0	88	1292403	14.7	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	35 Acrylonitrile	53	10.391	10.385	0.006	94	496804	15.2	
	36 Hexane	57	10.653	10.653	0.0	89	1189586	16.1	
	37 1,1-Dichloroethane	63	11.204	11.199	0.005	99	1595192	13.5	
	38 Vinyl acetate	43	11.241	11.236	0.005	98	1751501	16.0	
	39 cis-1,2-Dichloroethene	96	12.375	12.375	0.0	96	1141574	14.8	
	40 2-Butanone (MEK)	72	12.392	12.392	0.0	100	466744	14.4	
	42 Ethyl acetate	88	12.418	12.413	0.005	96	94117	14.9	
	44 Tetrahydrofuran	42	12.852	12.846	0.006	86	690927	14.7	
*	43 Chlorobromomethane	128	12.857	12.852	0.005	69	527057	10.0	
	45 Chloroform	83	12.969	12.964	0.005	99	2430240	13.8	
	46 Cyclohexane	84	13.269	13.264	0.005	83	1414803	15.7	
	47 1,1,1-Trichloroethane	97	13.280	13.280	0.0	95	2917040	14.1	
	48 Carbon tetrachloride	117	13.536	13.531	0.005	98	3218312	13.6	
	51 Isooctane	57	13.932	13.927	0.005	97	3911322	16.2	
	50 Benzene	78	13.986	13.986	0.0	95	3027632	14.0	
	52 1,2-Dichloroethane	62	14.146	14.141	0.005	99	1547719	14.2	
	53 n-Heptane	43	14.280	14.275	0.005	80	1220006	16.2	
*	54 1,4-Difluorobenzene	114	14.751	14.745	0.006	92	2475982	10.0	
A	57 GRO	1	14.769	6.668 - 22.871		0	431599981	0	
	55 n-Butanol	56	15.029	15.024	0.005	83	393100	14.7	
	56 Trichloroethene	95	15.211	15.211	0.0	95	1614737	14.5	
	58 1,2-Dichloropropane	63	15.735	15.730	0.005	87	947244	14.4	
	59 Methyl methacrylate	69	15.815	15.815	0.0	76	1068481	15.7	
	60 1,4-Dioxane	88	15.906	15.901	0.005	84	550207	14.6	
	61 Dibromomethane	174	15.976	15.970	0.006	88	1894498	13.9	
	62 Dichlorobromomethane	83	16.222	16.222	0.0	98	2748878	14.5	
A	63 TVOC as Toluene	1	16.631	4.373 - 28.889		0	772495141	4302.3	
	64 cis-1,3-Dichloropropene	75	17.089	17.083	0.006	90	1750127	16.3	
	65 4-Methyl-2-pentanone (MIBK)	43	17.324	17.324	0.0	90	1678347	15.9	
A	68 C8 Range	1	17.656	17.606 - 17.706		0	17158560	NC	
	69 n-Octane	43	17.656	17.656	0.0	83	1590149	16.0	
	66 Toluene	92	17.666	17.661	0.005	93	2371159	14.5	
A	67 Toluene Range	1	17.661	17.621 - 17.701		0	17158560	NC	
	70 trans-1,3-Dichloropropene	75	18.191	18.191	0.0	95	1979602	16.0	
	71 1,1,2-Trichloroethane	83	18.560	18.560	0.0	92	1153540	14.2	
	72 Tetrachloroethene	166	18.699	18.699	0.0	98	2885651	14.2	
	73 2-Hexanone	43	18.950	18.950	0.0	91	1521211	16.5	
	74 Chlorodibromomethane	129	19.314	19.314	0.0	97	3381129	14.9	
	75 Ethylene Dibromide	107	19.603	19.603	0.0	99	2498481	15.1	
S	82 Xylenes, Total	106				0		45.4	
*	76 Chlorobenzene-d5	117	20.448	20.443	0.005	70	2252830	10.0	
	77 Chlorobenzene	112	20.502	20.502	0.0	95	3746501	13.7	
	78 Ethylbenzene	91	20.619	20.614	0.005	97	5769956	15.1	
	79 n-Nonane	57	20.678	20.673	0.005	78	1956375	15.4	
	80 m-Xylene & p-Xylene	106	20.833	20.833	0.0	99	4513409	29.3	
	83 o-Xylene	106	21.545	21.545	0.0	94	2337173	16.1	
	84 Styrene	104	21.588	21.582	0.006	95	3533241	16.4	
	85 Bromoform	173	21.962	21.962	0.0	99	3495836	15.4	
	86 Isopropylbenzene	105	22.112	22.112	0.0	96	7235379	16.2	
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1659952	NC	
	88 1,1,2,2-Tetrachloroethane	83	22.668	22.668	0.0	93	3081214	13.9	
	90 N-Propylbenzene	91	22.743	22.743	0.0	98	8010892	15.4	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.770	22.770	0.0	88	2458252	14.4	
93	n-Decane	57	22.856	22.861	-0.005	81	2713052	15.2	
91	4-Ethyltoluene	105	22.909	22.909	0.0	91	7409410	14.9	
92	2-Chlorotoluene	91	22.946	22.946	0.0	91	6297673	14.5	
94	1,3,5-Trimethylbenzene	105	23.005	23.005	0.0	92	6799820	14.8	
95	Alpha Methyl Styrene	118	23.353	23.353	0.0	88	3365446	17.5	
96	tert-Butylbenzene	119	23.481	23.481	0.0	90	6641827	14.9	
97	1,2,4-Trimethylbenzene	105	23.572	23.572	0.0	97	6788417	15.5	
98	sec-Butylbenzene	105	23.808	23.808	0.0	97	9059791	15.0	
99	4-Isopropyltoluene	119	24.011	24.011	0.0	91	8287851	15.6	
100	1,3-Dichlorobenzene	146	24.081	24.081	0.0	96	4808668	15.0	
101	1,4-Dichlorobenzene	146	24.225	24.225	0.0	96	4756349	16.0	
102	Benzyl chloride	91	24.434	24.434	0.0	100	4855035	18.1	
104	Undecane	57	24.626	24.626	0.0	88	2770918	15.3	
103	n-Butylbenzene	91	24.653	24.653	0.0	97	6158663	15.3	
105	1,2-Dichlorobenzene	146	24.830	24.830	0.0	97	4708714	15.1	
106	Dodecane	57	26.434	26.434	0.0	89	2361611	20.0	
107	1,2,4-Trichlorobenzene	180	27.724	27.724	0.0	94	2957719	18.5	
108	Hexachlorobutadiene	225	27.927	27.927	0.0	94	3811308	15.1	
109	Naphthalene	128	28.312	28.312	0.0	99	6251138	20.0	
110	1,2,3-Trichlorobenzene	180	28.879	28.879	0.0	96	2955162	19.8	

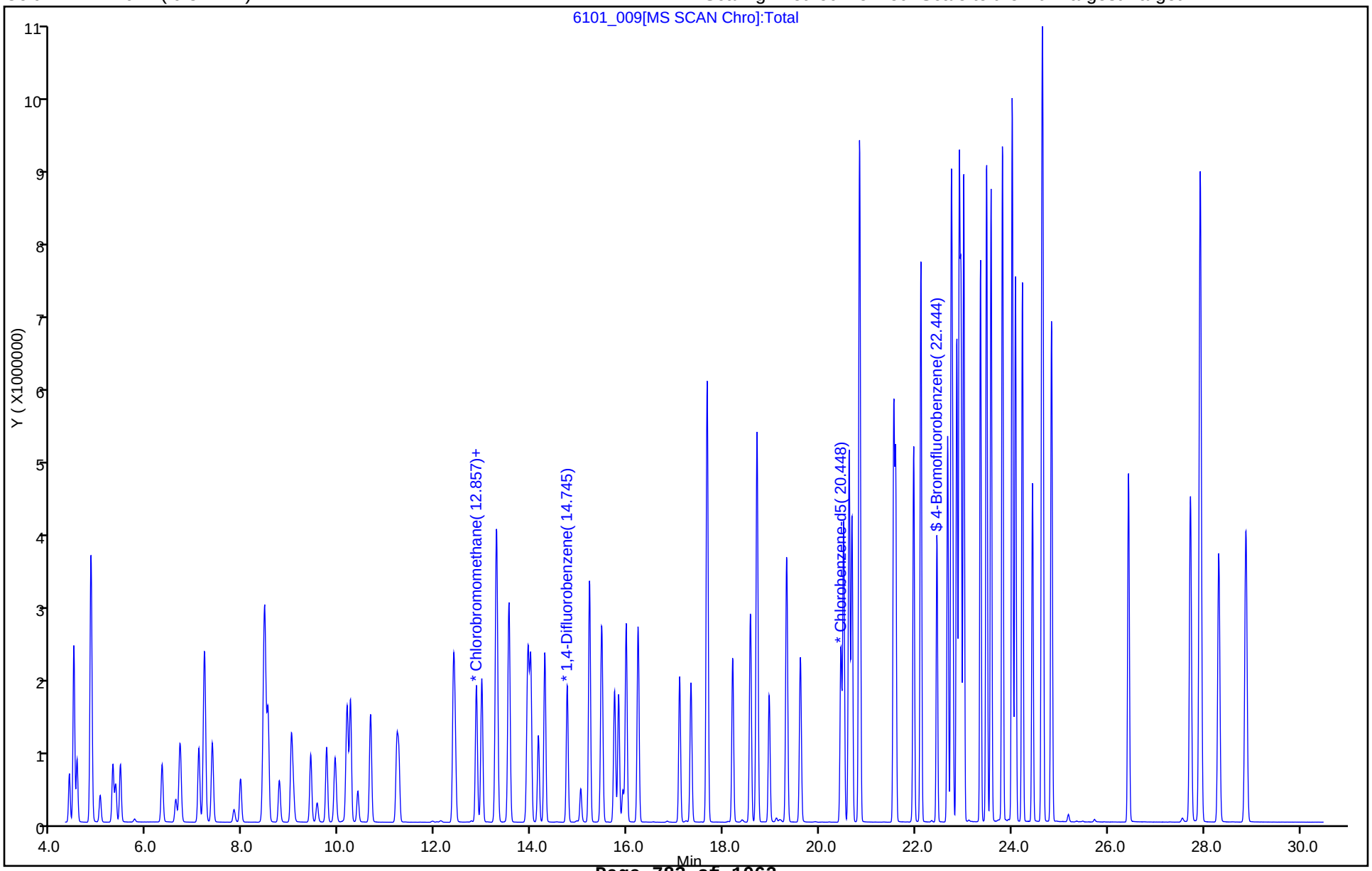
Report Date: 12-Feb-2014 09:35:35 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_009.d

Injection Date:	11-Feb-2014 23:18:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_010.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 12-Feb-2014 00:07:30 ALS Bottle#: 7 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-010
Misc. Info.: IC 07
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:35:36 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:13:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.399	4.383	0.016	96	661767	18.2	
2 Dichlorodifluoromethane	85	4.490	4.479	0.011	99	4516674	17.9	
6 Chlorodifluoromethane	51	4.554	4.544	0.010	96	1744155	18.3	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.843	4.832	0.011	94	3682503	17.1	
8 Chloromethane	50	5.036	5.025	0.011	99	791790	18.2	
9 Butane	43	5.303	5.287	0.016	95	1348334	19.2	
10 Vinyl chloride	62	5.357	5.346	0.011	97	1129770	18.1	
11 Butadiene	54	5.458	5.442	0.016	93	760983	19.8	
13 BFB								
12 Bromomethane	94	6.325	6.314	0.011	99	1190336	18.4	
14 Chloroethane	64	6.614	6.598	0.016	99	631582	19.0	
15 2-Methylbutane	43	6.705	6.678	0.027	87	1009878	18.8	
16 Vinyl bromide	106	7.090	7.079	0.011	98	1633426	19.0	
17 Trichlorofluoromethane	101	7.208	7.192	0.016	99	4925201	17.4	
18 Pentane	43	7.379	7.357	0.022	93	1471017	19.6	
19 Ethanol	45	7.855	7.796	0.059	99	626323	39.7	
21 Ethyl ether	59	7.967	7.941	0.026	90	786498	20.0	
22 Acrolein	56	8.433	8.406	0.027	97	324034	19.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.460	8.443	0.017	94	3038104	17.2	
24 1,1-Dichloroethene	96	8.535	8.518	0.017	96	1440385	18.9	
25 Acetone	43	8.781	8.748	0.033	87	1591853	19.9	
26 Carbon disulfide	76	9.021	9.000	0.021	98	3234115	18.4	
27 Isopropyl alcohol	45	9.086	9.032	0.054	97	1302161	19.4	
29 3-Chloro-1-propene	41	9.423	9.406	0.017	82	1129901	20.9	
30 Acetonitrile	41	9.562	9.535	0.027	99	566435	19.3	
31 Methylene Chloride	49	9.754	9.733	0.021	79	1005390	18.0	
32 2-Methyl-2-propanol	59	9.952	9.904	0.048	99	2441672	20.1	
33 Methyl tert-butyl ether	73	10.188	10.161	0.027	94	4285532	21.3	
S 41 1,2-Dichloroethene, Total	61				0		38.4	
34 trans-1,2-Dichloroethene	61	10.252	10.236	0.016	88	1723602	18.8	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
35 Acrylonitrile	53	10.407	10.385	0.022	93	668184	19.6
36 Hexane	57	10.669	10.653	0.016	89	1605996	20.8
37 1,1-Dichloroethane	63	11.220	11.199	0.021	99	2164552	17.5
38 Vinyl acetate	43	11.263	11.236	0.027	99	2410980	21.0
39 cis-1,2-Dichloroethene	96	12.392	12.375	0.017	99	1582116	19.7
40 2-Butanone (MEK)	72	12.413	12.392	0.021	99	636539	18.8
42 Ethyl acetate	88	12.440	12.413	0.027	96	126901	19.3
44 Tetrahydrofuran	42	12.868	12.846	0.022	85	952136	19.6
* 43 Chlorobromomethane	128	12.873	12.852	0.021	74	551150	10.0
45 Chloroform	83	12.980	12.964	0.016	99	3317829	18.0
46 Cyclohexane	84	13.280	13.264	0.016	82	1919134	20.4
47 1,1,1-Trichloroethane	97	13.296	13.280	0.016	95	3959774	18.4
48 Carbon tetrachloride	117	13.542	13.531	0.011	98	4337444	17.7
51 Isooctane	57	13.943	13.927	0.016	97	5233844	20.9
50 Benzene	78	14.002	13.986	0.016	93	4071533	18.2
52 1,2-Dichloroethane	62	14.157	14.141	0.016	99	2108882	18.6
53 n-Heptane	43	14.291	14.275	0.016	80	1627119	20.8
* 54 1,4-Difluorobenzene	114	14.756	14.745	0.011	93	2573104	10.0
A 57 GRO	1	14.769	6.668 - 22.871		0	576637732	0
55 n-Butanol	56	15.050	15.024	0.026	84	578640	20.8
56 Trichloroethene	95	15.222	15.211	0.011	95	2178196	18.9
58 1,2-Dichloropropane	63	15.741	15.730	0.011	84	1268562	18.6
59 Methyl methacrylate	69	15.826	15.815	0.011	76	1439673	20.3
60 1,4-Dioxane	88	15.917	15.901	0.016	84	728137	18.6
61 Dibromomethane	174	15.987	15.970	0.017	88	2490929	17.6
62 Dichlorobromomethane	83	16.233	16.222	0.011	98	3678848	18.6
A 63 TVOC as Toluene	1	16.631	4.373 - 28.889		0	1022878503	5481.7
64 cis-1,3-Dichloropropene	75	17.094	17.083	0.011	90	2400930	21.5
65 4-Methyl-2-pentanone (MIBK)	43	17.329	17.324	0.005	90	2240568	20.5
A 68 C8 Range	1	17.656	17.606 - 17.706		0	22390100	NC
69 n-Octane	43	17.666	17.656	0.010	77	2074970	20.0
66 Toluene	92	17.672	17.661	0.011	94	3095855	18.0
A 67 Toluene Range	1	17.661	17.621 - 17.701		0	22390100	NC
70 trans-1,3-Dichloropropene	75	18.201	18.191	0.010	95	2696132	21.0
71 1,1,2-Trichloroethane	83	18.571	18.560	0.011	92	1543025	17.9
72 Tetrachloroethene	166	18.704	18.699	0.005	98	3817042	17.8
73 2-Hexanone	43	18.961	18.950	0.011	90	2111642	21.8
74 Chlorodibromomethane	129	19.320	19.314	0.006	97	4523936	18.9
75 Ethylene Dibromide	107	19.608	19.603	0.005	99	3368163	19.3
S 82 Xylenes, Total	106				0		56.4
* 76 Chlorobenzene-d5	117	20.454	20.443	0.011	65	2377432	10.0
77 Chlorobenzene	112	20.507	20.502	0.005	95	4973639	17.2
78 Ethylbenzene	91	20.625	20.614	0.011	95	7636888	19.0
79 n-Nonane	57	20.678	20.673	0.005	78	2571881	19.1
80 m-Xylene & p-Xylene	106	20.839	20.833	0.006	99	5905377	36.3
83 o-Xylene	106	21.550	21.545	0.005	94	3079865	20.1
84 Styrene	104	21.588	21.582	0.006	94	4677097	20.6
85 Bromoform	173	21.968	21.962	0.006	98	4598090	19.1
86 Isopropylbenzene	105	22.117	22.112	0.005	96	9442987	20.0
$ 87 4-Bromofluorobenzene	95	22.449	22.444	0.005	97	1727188	NC
88 1,1,2,2-Tetrachloroethane	83	22.674	22.668	0.006	93	4060277	17.4
90 N-Propylbenzene	91	22.749	22.743	0.006	97	10306137	18.8

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.775	22.770	0.005	93	3249502	18.1
93	n-Decane	57	22.861	22.861	0.0	81	3487876	18.5
91	4-Ethyltoluene	105	22.915	22.909	0.006	96	9515286	18.1
92	2-Chlorotoluene	91	22.947	22.946	0.001	94	8101828	17.7
94	1,3,5-Trimethylbenzene	105	23.005	23.005	0.0	93	8755104	18.0
95	Alpha Methyl Styrene	118	23.353	23.353	0.0	88	4431870	21.9
96	tert-Butylbenzene	119	23.482	23.481	0.001	90	8571312	18.2
97	1,2,4-Trimethylbenzene	105	23.578	23.572	0.006	97	8763488	18.9
98	sec-Butylbenzene	105	23.813	23.808	0.005	96	11547049	18.1
99	4-Isopropyltoluene	119	24.017	24.011	0.006	90	10584636	18.8
100	1,3-Dichlorobenzene	146	24.081	24.081	0.0	96	6295982	18.6
101	1,4-Dichlorobenzene	146	24.231	24.225	0.006	95	6263556	19.9
102	Benzyl chloride	91	24.439	24.434	0.005	99	6747945	23.9
104	Undecane	57	24.632	24.626	0.006	87	3484036	18.3
103	n-Butylbenzene	91	24.653	24.653	0.0	97	7909203	18.6
105	1,2-Dichlorobenzene	146	24.835	24.830	0.005	97	6199708	18.9
106	Dodecane	57	26.440	26.434	0.006	90	3032210	24.3
107	1,2,4-Trichlorobenzene	180	27.729	27.724	0.005	94	4005998	23.7
108	Hexachlorobutadiene	225	27.927	27.927	0.0	93	4829134	18.1
109	Naphthalene	128	28.318	28.312	0.006	99	8113281	24.6
110	1,2,3-Trichlorobenzene	180	28.879	28.879	0.0	95	3927460	24.9

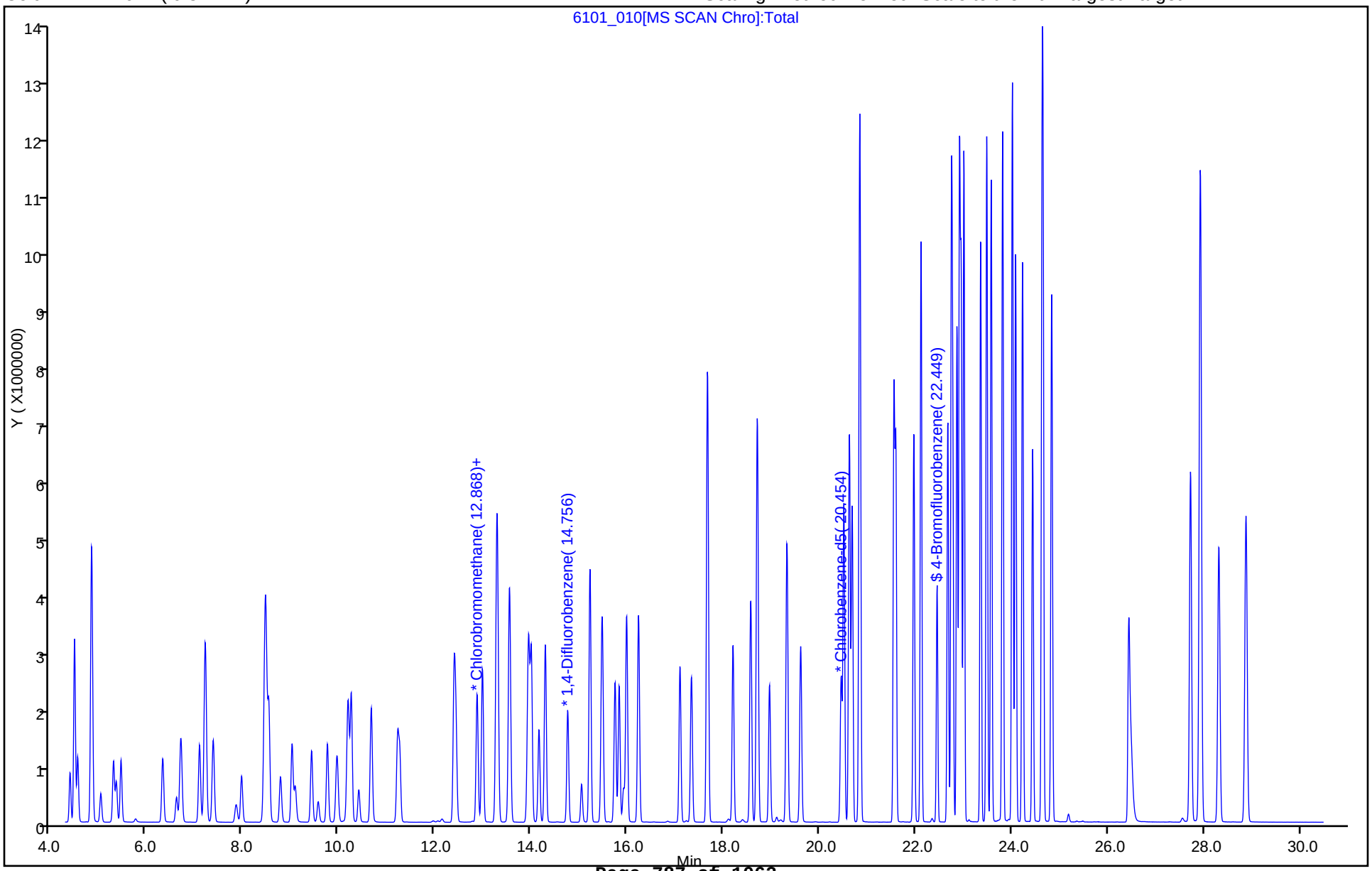
Report Date: 12-Feb-2014 09:35:37 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_010.d

Injection Date:	12-Feb-2014 00:07:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 12-Feb-2014 09:35:39 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 12-Feb-2014 00:55:30 ALS Bottle#: 8 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-011
Misc. Info.: IC 08
Operator ID: PAD Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:35:38 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:12:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.394	4.383	0.011	97	1299181	35.1	
2 Dichlorodifluoromethane	85	4.485	4.479	0.006	98	8550592	33.4	
6 Chlorodifluoromethane	51	4.554	4.544	0.010	93	3413634	35.1	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.843	4.832	0.011	86	7032234	32.2	
8 Chloromethane	50	5.036	5.025	0.011	99	1586316	35.9	
9 Butane	43	5.303	5.287	0.016	94	2666551	37.3	
10 Vinyl chloride	62	5.357	5.346	0.011	97	2226661	35.1	
11 Butadiene	54	5.459	5.442	0.016	93	1497279	38.3	
13 BFB								
12 Bromomethane	94	6.331	6.314	0.016	99	2299545	35.0	
14 Chloroethane	64	6.614	6.598	0.016	99	1277845	37.8	
15 2-Methylbutane	43	6.705	6.678	0.027	86	1989631	36.5	
16 Vinyl bromide	106	7.096	7.079	0.017	99	3215429	36.7	
17 Trichlorofluoromethane	101	7.213	7.192	0.021	98	9585030	33.4	
18 Pentane	43	7.384	7.357	0.027	93	2914419	38.1	
19 Ethanol	45	7.871	7.796	0.075	100	1549275	96.7	
21 Ethyl ether	59	7.973	7.941	0.032	88	1580002	39.5	
22 Acrolein	56	8.438	8.406	0.032	97	626835	37.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.470	8.443	0.027	95	5837171	32.5	
24 1,1-Dichloroethene	96	8.535	8.518	0.017	95	2826103	36.5	
25 Acetone	43	8.791	8.748	0.043	87	2879495	35.4	
26 Carbon disulfide	76	9.021	9.000	0.021	98	6427705	36.0	
27 Isopropyl alcohol	45	9.107	9.032	0.075	98	2486222	36.5	
29 3-Chloro-1-propene	41	9.433	9.406	0.027	81	2265645	41.1	
30 Acetonitrile	41	9.572	9.535	0.037	98	1093925	36.7	
31 Methylene Chloride	49	9.760	9.733	0.027	79	2025034	35.7	
32 2-Methyl-2-propanol	59	9.974	9.904	0.070	98	4658737	37.6	
33 Methyl tert-butyl ether	73	10.193	10.161	0.032	95	8388437	40.9	
S 41 1,2-Dichloroethene, Total	61				0		74.2	
34 trans-1,2-Dichloroethene	61	10.263	10.236	0.027	88	3411936	36.5	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
35 Acrylonitrile	53	10.418	10.385	0.033	93	1365965	39.3	
36 Hexane	57	10.674	10.653	0.021	89	3163901	40.3	
37 1,1-Dichloroethane	63	11.225	11.199	0.026	99	4305646	34.3	
38 Vinyl acetate	43	11.268	11.236	0.032	98	4741059	40.6	
39 cis-1,2-Dichloroethene	96	12.397	12.375	0.022	98	3084080	37.7	
40 2-Butanone (MEK)	72	12.424	12.392	0.032	99	1211726	35.2	
42 Ethyl acetate	88	12.445	12.413	0.032	97	253596	37.8	
44 Tetrahydrofuran	42	12.873	12.846	0.027	80	1880073	37.4	
* 43 Chlorobromomethane	128	12.879	12.852	0.027	68	560558	10.0	
45 Chloroform	83	12.991	12.964	0.027	99	6452059	34.3	
46 Cyclohexane	84	13.285	13.264	0.021	83	3634256	37.5	
47 1,1,1-Trichloroethane	97	13.301	13.280	0.021	95	7644188	34.5	
48 Carbon tetrachloride	117	13.553	13.531	0.022	98	8456206	33.4	
51 Isooctane	57	13.948	13.927	0.021	97	9832262	38.1	
50 Benzene	78	14.007	13.986	0.021	95	7794483	33.7	
52 1,2-Dichloroethane	62	14.168	14.141	0.027	99	4176790	35.7	
53 n-Heptane	43	14.296	14.275	0.021	80	3119323	38.7	
* 54 1,4-Difluorobenzene	114	14.767	14.745	0.022	92	2654290	10.0	
A 57 GRO	1	14.769	6.668 - 22.871		0	1106764022	0	
55 n-Butanol	56	15.051	15.024	0.027	84	1126195	39.2	
56 Trichloroethene	95	15.227	15.211	0.016	96	4215341	35.4	
58 1,2-Dichloropropane	63	15.751	15.730	0.021	84	2485785	35.3	
59 Methyl methacrylate	69	15.837	15.815	0.022	76	2888354	39.5	
60 1,4-Dioxane	88	15.928	15.901	0.027	84	1345638	33.2	
61 Dibromomethane	174	15.992	15.970	0.022	89	4755977	32.6	
62 Dichlorobromomethane	83	16.238	16.222	0.016	97	7195458	35.3	
A 63 TVOC as Toluene	1	16.631	4.373 - 28.889		0	1868084363	9705.0	
64 cis-1,3-Dichloropropene	75	17.099	17.083	0.016	90	4831261	41.9	
65 4-Methyl-2-pentanone (MIBK)	43	17.340	17.324	0.016	89	4374920	38.7	
A 68 C8 Range	1	17.656	17.606 - 17.706		0	42154473	NC	
69 n-Octane	43	17.672	17.656	0.016	76	3789224	35.5	
66 Toluene	92	17.677	17.661	0.016	94	5834314	32.8	
A 67 Toluene Range	1	17.661	17.621 - 17.701		0	42154473	NC	
70 trans-1,3-Dichloropropene	75	18.202	18.191	0.011	95	5475160	41.4	
71 1,1,2-Trichloroethane	83	18.576	18.560	0.016	91	3044405	34.3	
72 Tetrachloroethene	166	18.710	18.699	0.011	98	7188363	32.5	
73 2-Hexanone	43	18.967	18.950	0.016	89	4156948	41.5	
74 Chlorodibromomethane	129	19.330	19.314	0.016	96	8774775	35.6	
75 Ethylene Dibromide	107	19.614	19.603	0.011	99	6625295	36.8	
S 82 Xylenes, Total	106				0		102.0	
* 76 Chlorobenzene-d5	117	20.454	20.443	0.011	64	2454063	10.0	
77 Chlorobenzene	112	20.513	20.502	0.011	93	9580082	32.2	
78 Ethylbenzene	91	20.625	20.614	0.011	95	14213914	34.2	
79 n-Nonane	57	20.684	20.673	0.011	76	4793442	34.5	
80 m-Xylene & p-Xylene	106	20.844	20.833	0.011	96	10940635	65.2	
83 o-Xylene	106	21.556	21.545	0.011	94	5820499	36.8	
84 Styrene	104	21.593	21.582	0.011	93	8924095	38.0	
85 Bromoform	173	21.968	21.962	0.006	96	8504614	34.3	
86 Isopropylbenzene	105	22.117	22.112	0.005	96	16571499	34.0	
$ 87 4-Bromofluorobenzene	95	22.449	22.444	0.005	97	1777055	NC	
88 1,1,2,2-Tetrachloroethane	83	22.674	22.668	0.006	92	7354083	30.5	
90 N-Propylbenzene	91	22.749	22.743	0.006	96	17147954	30.3	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.776	22.770	0.006	88	5927464	31.9	
93	n-Decane	57	22.866	22.861	0.005	79	6090541	31.4	
91	4-Ethyltoluene	105	22.915	22.909	0.006	81	16015232	29.6	
92	2-Chlorotoluene	91	22.952	22.946	0.006	93	14469307	30.5	
94	1,3,5-Trimethylbenzene	105	23.011	23.005	0.006	86	15053321	30.0	
95	Alpha Methyl Styrene	118	23.359	23.353	0.006	86	8283686	39.6	
96	tert-Butylbenzene	119	23.487	23.481	0.006	89	14879192	30.6	
97	1,2,4-Trimethylbenzene	105	23.578	23.572	0.006	96	15215793	31.8	
98	sec-Butylbenzene	105	23.819	23.808	0.011	94	19130372	29.0	
99	4-Isopropyltoluene	119	24.017	24.011	0.006	90	17749239	30.6	
100	1,3-Dichlorobenzene	146	24.086	24.081	0.005	94	11371054	32.6	
101	1,4-Dichlorobenzene	146	24.231	24.225	0.006	93	11376207	35.0	
102	Benzyl chloride	91	24.439	24.434	0.005	99	13049488	44.8	
104	Undecane	57	24.632	24.626	0.006	85	5961631	30.3	
103	n-Butylbenzene	91	24.659	24.653	0.006	97	13698552	31.1	
105	1,2-Dichlorobenzene	146	24.835	24.830	0.005	95	11211062	33.0	
106	Dodecane	57	26.456	26.434	0.022	90	921744	7.15	
107	1,2,4-Trichlorobenzene	180	27.729	27.724	0.005	94	6630259	38.0	
108	Hexachlorobutadiene	225	27.938	27.927	0.011	94	5670385	20.6	
109	Naphthalene	128	28.318	28.312	0.006	98	14116069	41.5	
110	1,2,3-Trichlorobenzene	180	28.896	28.879	0.017	96	4461825	27.5	

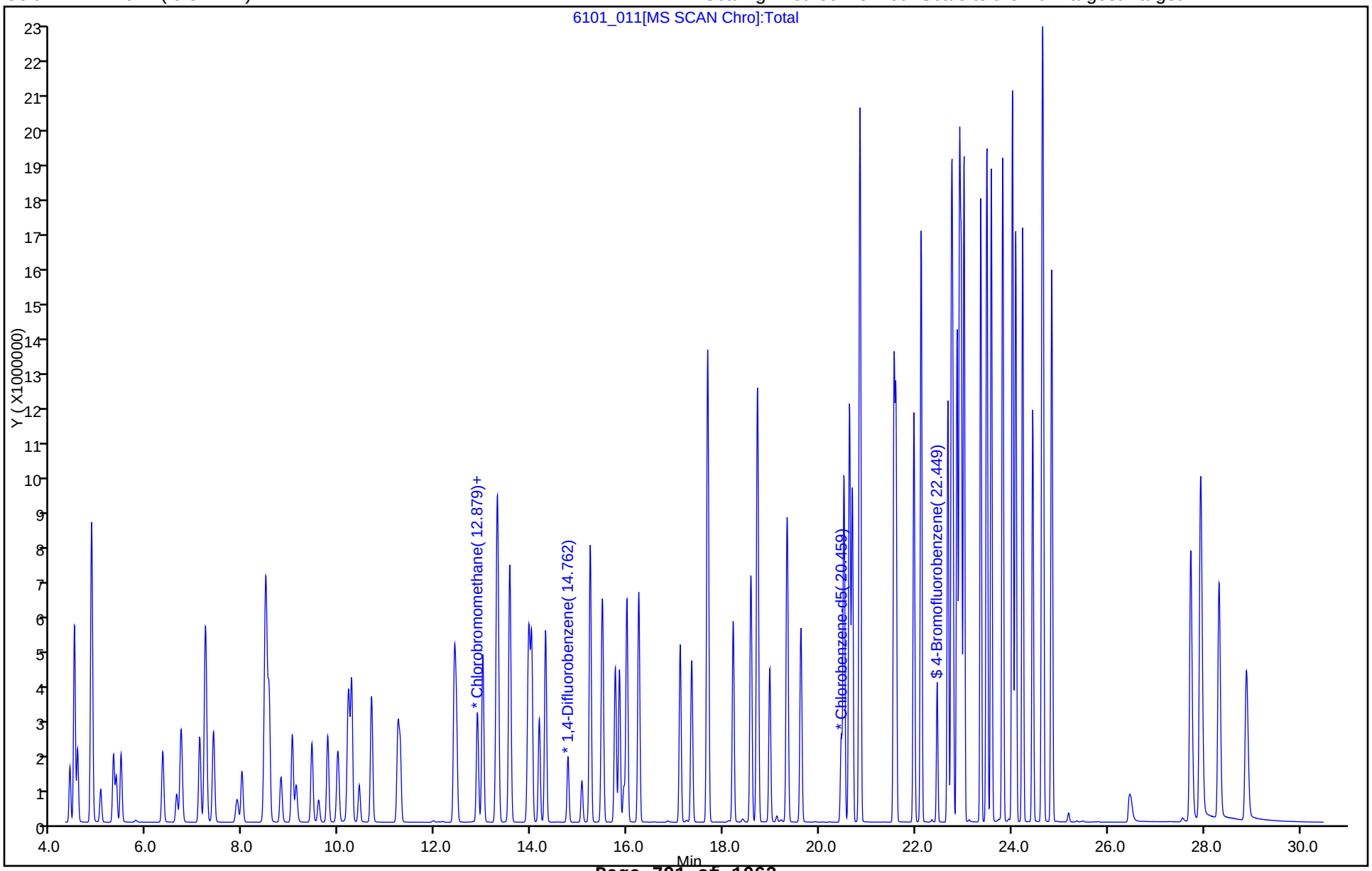
Report Date: 12-Feb-2014 09:35:39 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Injection Date:	12-Feb-2014 00:55:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	11
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Lab Sample ID: ICV 200-68619/16 Calibration Date: 02/21/2014 00:15

Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/20/2014 21:54

Lab File ID: 6246_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4525	0.3487		7.71	10.0	-22.9	30.0
Dichlorodifluoromethane	Ave	3.137	2.832		9.02	10.0	-9.7	30.0
Freon 22	Ave	1.181	1.070		9.06	10.0	-9.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.687	2.698		10.0	10.0	0.4	30.0
Chloromethane	Ave	0.5956	0.5277		8.86	10.0	-11.4	30.0
n-Butane	Ave	0.7851	0.7055		8.98	10.0	-10.1	30.0
Vinyl chloride	Ave	0.8160	0.7063		8.65	10.0	-13.4	30.0
1,3-Butadiene	Ave	0.4758	0.4226		8.88	10.0	-11.2	30.0
Bromomethane	Ave	1.162	1.057		9.10	10.0	-9.0	30.0
Chloroethane	Ave	0.3240	0.2863		8.83	10.0	-11.6	30.0
Isopentane	Ave	0.5140	0.4803		9.34	10.0	-6.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.261	1.177		9.33	10.0	-6.7	30.0
Trichlorofluoromethane	Ave	3.583	3.189		8.90	10.0	-11.0	30.0
n-Pentane	Ave	0.7954	0.8123		10.2	10.0	2.1	30.0
Ethanol	Ave	0.1910	0.1880		14.8	15.0	-1.6	30.0
Ethyl ether	Ave	0.4003	0.4104		10.3	10.0	2.5	30.0
Acrolein	Ave	0.1910	0.2116		11.1	10.0	10.8	30.0
Freon TF	Ave	2.249	2.074		9.22	10.0	-7.8	30.0
1,1-Dichloroethene	Ave	0.9520	0.8613		9.05	10.0	-9.5	30.0
Acetone	Ave	0.8787	0.9817		11.2	10.0	11.7	30.0
Carbon disulfide	Ave	2.332	2.458		10.5	10.0	5.4	30.0
Isopropyl alcohol	Ave	0.7090	0.5444		7.68	10.0	-23.2	30.0
3-Chloropropene	Ave	0.6290	0.5558		8.84	10.0	-11.6	30.0
Acetonitrile	Ave	0.3383	0.3195		9.44	10.0	-5.6	30.0
Methylene Chloride	Ave	0.7069	0.6456		9.13	10.0	-8.7	30.0
tert-Butyl alcohol	Ave	1.260	1.031		8.18	10.0	-18.2	30.0
Methyl tert-butyl ether	Ave	2.237	2.112		9.44	10.0	-5.6	30.0
trans-1,2-Dichloroethene	Ave	1.039	1.017		9.79	10.0	-2.1	30.0
Acrylonitrile	Ave	0.3820	0.3784		9.91	10.0	-0.9	30.0
n-Hexane	Ave	0.8392	0.8345		9.94	10.0	-0.6	30.0
1,1-Dichloroethane	Ave	1.522	1.383		9.09	10.0	-9.1	30.0
Vinyl acetate	Ave	1.472	1.369		9.29	10.0	-7.0	30.0
cis-1,2-Dichloroethene	Ave	1.290	1.187		9.20	10.0	-7.9	30.0
Methyl Ethyl Ketone	Ave	0.4361	0.4007		9.19	10.0	-8.1	30.0
Ethyl acetate	Ave	0.0661	0.0690		10.4	10.0	4.4	30.0
Tetrahydrofuran	Ave	0.1189	0.1107		9.31	10.0	-6.9	30.0
Chloroform	Ave	2.859	2.633		9.21	10.0	-7.9	30.0
Cyclohexane	Ave	0.2496	0.2335		9.35	10.0	-6.4	30.0
1,1,1-Trichloroethane	Ave	0.5905	0.5364		9.08	10.0	-9.2	30.0
Carbon tetrachloride	Ave	0.7528	0.6727		8.93	10.0	-10.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Lab Sample ID: ICV 200-68619/16 Calibration Date: 02/21/2014 00:15

Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/20/2014 21:54

Lab File ID: 6246_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.6673	0.6081		9.11	10.0	-8.9	30.0
2,2,4-Trimethylpentane	Ave	0.7963	0.7291		9.16	10.0	-8.4	30.0
1,2-Dichloroethane	Ave	0.3331	0.3019		9.06	10.0	-9.4	30.0
n-Heptane	Ave	0.2959	0.2565		8.67	10.0	-13.3	30.0
n-Butanol	Ave	0.1142	0.0892		7.81	10.0	-21.9	30.0
Trichloroethene	Ave	0.4731	0.4219		8.92	10.0	-10.8	30.0
1,2-Dichloropropane	Ave	0.3124	0.2871		9.19	10.0	-8.1	30.0
Methyl methacrylate	Ave	0.2717	0.2678		9.85	10.0	-1.4	30.0
1,4-Dioxane	Ave	0.1470	0.1201		8.17	10.0	-18.3	30.0
Dibromomethane	Ave	0.5283	0.5125		9.70	10.0	-3.0	30.0
Bromodichloromethane	Ave	0.7799	0.7322		9.39	10.0	-6.1	30.0
cis-1,3-Dichloropropene	Ave	0.5310	0.5080		9.56	10.0	-4.3	30.0
Methyl isobutyl ketone	Ave	0.4887	0.4450		9.10	10.0	-8.9	30.0
Toluene	Ave	0.7326	0.6835		9.33	10.0	-6.7	30.0
n-Octane	Ave	0.5119	0.4629		9.04	10.0	-9.6	30.0
trans-1,3-Dichloropropene	Ave	0.5408	0.5257		9.72	10.0	-2.8	30.0
1,1,2-Trichloroethane	Ave	0.3670	0.3407		9.28	10.0	-7.2	30.0
Tetrachloroethene	Ave	0.7873	0.7370		9.36	10.0	-6.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4387	0.4103		9.35	10.0	-6.5	30.0
Dibromochloromethane	Ave	0.9470	0.9071		9.58	10.0	-4.2	30.0
1,2-Dibromoethane	Ave	0.7388	0.7160		9.69	10.0	-3.1	30.0
Chlorobenzene	Ave	1.063	1.009		9.49	10.0	-5.1	30.0
Ethylbenzene	Ave	1.522	1.428		9.38	10.0	-6.1	30.0
n-Nonane	Ave	0.5414	0.4966		9.17	10.0	-8.3	30.0
m,p-Xylene	Ave	0.6221	0.5836		18.8	20.0	-6.2	30.0
Xylene, o-	Ave	0.6494	0.6018		9.27	10.0	-7.3	30.0
Styrene	Ave	0.8646	0.8611		9.96	10.0	-0.4	30.0
Bromoform	Ave	0.8956	0.9031		10.1	10.0	0.8	30.0
Cumene	Ave	1.788	1.662		9.29	10.0	-7.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8834	0.8315		9.41	10.0	-5.9	30.0
1,2,3-Trichloropropane	Ave	0.5852	0.5463		9.33	10.0	-6.6	30.0
n-Propylbenzene	Ave	1.845	1.730		9.37	10.0	-6.3	30.0
2-Chlorotoluene	Ave	1.248	1.144		9.17	10.0	-8.3	30.0
4-Ethyltoluene	Ave	1.502	1.446		9.63	10.0	-3.7	30.0
n-Decane	Ave	0.5512	0.5047		9.16	10.0	-8.4	30.0
1,3,5-Trimethylbenzene	Ave	1.484	1.368		9.21	10.0	-7.9	30.0
Alpha Methyl Styrene	Ave	0.6800	0.6957		10.2	10.0	2.3	30.0
tert-Butylbenzene	Ave	1.507	1.375		9.12	10.0	-8.8	30.0
1,2,4-Trimethylbenzene	Ave	1.437	1.348		9.38	10.0	-6.2	30.0
sec-Butylbenzene	Ave	2.095	1.951		9.31	10.0	-6.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Lab Sample ID: ICV 200-68619/16 Calibration Date: 02/21/2014 00:15

Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/20/2014 21:54

Lab File ID: 6246_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.741	1.653		9.49	10.0	-5.1	30.0
1,3-Dichlorobenzene	Ave	0.8925	0.9059		10.1	10.0	1.5	30.0
1,4-Dichlorobenzene	Ave	0.8666	0.8893		10.3	10.0	2.6	30.0
Benzyl chloride	Ave	0.9186	0.8799		9.58	10.0	-4.2	30.0
n-Butylbenzene	Ave	1.370	1.314		9.59	10.0	-4.1	30.0
n-Undecane	Ave	0.6424	0.6299		9.80	10.0	-1.9	30.0
1,2-Dichlorobenzene	Ave	0.9899	0.9353		9.45	10.0	-5.5	30.0
n-Dodecane	Ave	0.1008	0.1056		10.5	10.0	4.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5281	0.4961		9.39	10.0	-6.1	30.0
Hexachlorobutadiene	Ave	0.4459	0.4985		11.2	10.0	11.8	30.0
Naphthalene	Ave	1.259	1.141		9.06	10.0	-9.4	30.0
1,2,3-Trichlorobenzene	Ave	0.4340	0.4716		10.9	10.0	8.7	30.0

Report Date: 25-Feb-2014 11:44:54 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_016.D
Lims ID: ICV Lab Sample ID: ICV 200-68621/16-A
Client ID:
Sample Type: ICV
Inject. Date: 21-Feb-2014 00:15:30 ALS Bottle#: 1 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006246-016
Misc. Info.: ICV
Operator ID: bl Instrument ID: CHG.i
Sublist:

Method: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:44:41 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: daiglep Date: 21-Feb-2014 12:08:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.058	0.0	97	255567	7.71	
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	99	2075073	9.02	
6 Chlorodifluoromethane	51	3.181	3.181	0.0	94	784285	9.06	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	93	1976852	10.0	
8 Chloromethane	50	3.539	3.539	0.0	99	386743	8.86	
9 Butane	43	3.758	3.759	-0.001	97	516993	8.98	
10 Vinyl chloride	62	3.796	3.796	0.0	97	517590	8.65	
11 Butadiene	54	3.881	3.882	-0.001	92	309695	8.88	
12 Bromomethane	94	4.577	4.577	0.0	99	774719	9.10	
14 Chloroethane	64	4.828	4.828	0.0	99	209799	8.83	
15 2-Methylbutane	43	4.925	4.925	0.0	88	351968	9.34	
16 Vinyl bromide	106	5.230	5.235	-0.005	97	862776	9.33	
17 Trichlorofluoromethane	101	5.353	5.353	0.0	98	2337018	8.90	
18 Pentane	43	5.508	5.508	0.0	95	595302	10.2	
13 BFB								
19 Ethanol	45	5.920	5.925	-0.005	96	206786	14.8	
21 Ethyl ether	59	6.043	6.043	0.0	96	300770	10.3	
22 Acrolein	56	6.406	6.407	-0.001	96	155063	11.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	95	1519863	9.22	
24 1,1-Dichloroethene	96	6.503	6.503	0.0	92	631204	9.05	
25 Acetone	43	6.722	6.722	0.0	87	719442	11.2	
26 Carbon disulfide	76	6.883	6.888	-0.005	98	1801672	10.5	
27 Isopropyl alcohol	45	7.043	7.038	0.005	98	398934	7.68	
29 3-Chloro-1-propene	41	7.305	7.305	0.0	83	407341	8.84	
30 Acetonitrile	41	7.402	7.402	0.0	98	234152	9.44	
31 Methylene Chloride	49	7.599	7.600	-0.001	80	473134	9.13	
32 2-Methyl-2-propanol	59	7.835	7.840	-0.005	98	755329	8.18	
33 Methyl tert-butyl ether	73	8.038	8.044	-0.006	94	1547573	9.44	
34 trans-1,2-Dichloroethene	61	8.065	8.060	0.005	87	745271	9.79	
35 Acrylonitrile	53	8.183	8.188	-0.005	95	277331	9.91	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	36 Hexane	57	8.488	8.493	-0.005	90	611563	9.94	
	37 1,1-Dichloroethane	63	8.948	8.948	0.0	99	1013846	9.09	
	38 Vinyl acetate	43	9.044	9.044	0.0	99	1003110	9.29	
	39 cis-1,2-Dichloroethene	96	10.087	10.093	-0.006	91	870030	9.20	
	40 2-Butanone (MEK)	72	10.135	10.141	-0.006	97	293661	9.19	
S	41 1,2-Dichloroethene, Total	61				0		19.0	
	42 Ethyl acetate	88	10.210	10.216	-0.006	98	50533	10.4	
*	43 Chlorobromomethane	128	10.563	10.563	0.0	67	732981	10.0	
	44 Tetrahydrofuran	42	10.574	10.579	-0.005	81	466958	9.31	
	45 Chloroform	83	10.708	10.708	0.0	99	1929788	9.21	
	46 Cyclohexane	84	10.991	10.997	-0.006	82	984794	9.35	
	47 1,1,1-Trichloroethane	97	11.007	11.007	0.0	95	2261833	9.08	
	48 Carbon tetrachloride	117	11.275	11.275	0.0	96	2836858	8.93	
	50 Benzene	78	11.740	11.746	-0.006	94	2564262	9.11	
	51 Isooctane	57	11.762	11.767	-0.005	98	3074788	9.16	
	52 1,2-Dichloroethane	62	11.911	11.917	-0.006	99	1272956	9.06	
	53 n-Heptane	43	12.173	12.179	-0.006	86	1081628	8.67	
*	54 1,4-Difluorobenzene	114	12.623	12.628	-0.005	91	4217854	10.0	
	55 n-Butanol	56	13.019	13.019	0.0	84	376211	7.81	
	56 Trichloroethene	95	13.115	13.115	0.0	93	1779082	8.92	
A	57 GRO	1	13.297	4.915 - 21.679		0	408242334	0	
	58 1,2-Dichloropropane	63	13.682	13.682	0.0	92	1210817	9.19	
	59 Methyl methacrylate	69	13.885	13.886	-0.001	79	1129112	9.85	
	60 1,4-Dioxane	88	13.917	13.918	-0.001	84	506523	8.17	
	61 Dibromomethane	174	13.939	13.939	0.0	95	2161143	9.70	
	62 Dichlorobromomethane	83	14.249	14.249	0.0	97	3087736	9.39	
A	63 TVOC as Toluene	1	15.022	3.048 - 26.997		0	643855892	2083.7	
	64 cis-1,3-Dichloropropene	75	15.233	15.234	-0.001	87	2142041	9.56	
	65 4-Methyl-2-pentanone (MIBK)	43	15.533	15.533	0.0	92	1876621	9.10	
	66 Toluene	92	15.854	15.854	0.0	93	2964097	9.33	
	69 n-Octane	43	15.961	15.967	-0.006	85	1951903	9.04	
	70 trans-1,3-Dichloropropene	75	16.443	16.443	-0.001	92	2217038	9.72	
	71 1,1,2-Trichloroethane	83	16.817	16.817	0.0	95	1477548	9.28	
	72 Tetrachloroethene	166	16.967	16.967	0.0	97	3196386	9.36	
	73 2-Hexanone	43	17.288	17.288	0.0	93	1779435	9.35	
	74 Chlorodibromomethane	129	17.587	17.588	-0.001	97	3933948	9.58	
	75 Ethylene Dibromide	107	17.866	17.866	0.0	99	3105140	9.69	
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	81	4337814	10.0	
	77 Chlorobenzene	112	18.850	18.850	0.0	99	4375153	9.49	
	78 Ethylbenzene	91	19.016	19.016	0.0	96	6194924	9.38	
	79 n-Nonane	57	19.182	19.182	0.0	82	2153598	9.17	
	80 m-Xylene & p-Xylene	106	19.273	19.273	-0.001	99	5062416	18.8	
S	82 Xylenes, Total	106				0		28.0	
	83 o-Xylene	106	20.102	20.102	0.0	95	2609956	9.27	
	84 Styrene	104	20.145	20.145	-0.001	98	3734422	9.96	
	85 Bromoform	173	20.530	20.530	0.0	98	3916689	10.1	
	86 Isopropylbenzene	105	20.765	20.765	0.0	94	7208268	9.29	
$	87 4-Bromofluorobenzene	95	21.107	21.108	-0.001	98	2512338	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.364	21.364	0.0	97	3606117	9.41	
	89 1,2,3-Trichloropropane	75	21.461	21.461	0.0	95	2369426	9.33	
	90 N-Propylbenzene	91	21.471	21.471	0.0	99	7501779	9.37	
	91 4-Ethyltoluene	105	21.653	21.653	0.0	90	6270879	9.63	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
92 2-Chlorotoluene	91	21.653	21.653	0.0	87	4963156	9.17
93 n-Decane	57	21.669	21.669	0.0	82	2189048	9.16
94 1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	93	5931804	9.21
95 Alpha Methyl Styrene	118	22.113	22.113	0.0	90	3017284	10.2
96 tert-Butylbenzene	119	22.242	22.242	0.0	91	5962376	9.12
97 1,2,4-Trimethylbenzene	105	22.333	22.333	0.0	95	5844479	9.38
98 sec-Butylbenzene	105	22.563	22.563	0.0	99	8462949	9.31
99 4-Isopropyltoluene	119	22.761	22.761	-0.001	95	7167964	9.49
100 1,3-Dichlorobenzene	146	22.777	22.777	0.0	98	3928839	10.1
101 1,4-Dichlorobenzene	146	22.910	22.910	0.0	97	3856748	10.3
102 Benzyl chloride	91	23.103	23.103	0.0	100	3816202	9.58
103 n-Butylbenzene	91	23.338	23.338	0.0	90	5699774	9.59
104 Undecane	57	23.381	23.381	0.0	90	2731674	9.80
105 1,2-Dichlorobenzene	146	23.451	23.451	0.0	99	4056512	9.45
106 Dodecane	57	25.007	25.008	-0.001	92	458155	10.5
107 1,2,4-Trichlorobenzene	180	26.013	26.013	0.0	94	2151487	9.39
108 Hexachlorobutadiene	225	26.227	26.227	0.0	93	2161967	11.2
109 Naphthalene	128	26.505	26.500	0.005	99	4949802	9.06
110 1,2,3-Trichlorobenzene	180	26.987	26.987	0.0	96	2045203	10.9

WorkSheet Quantitation Report

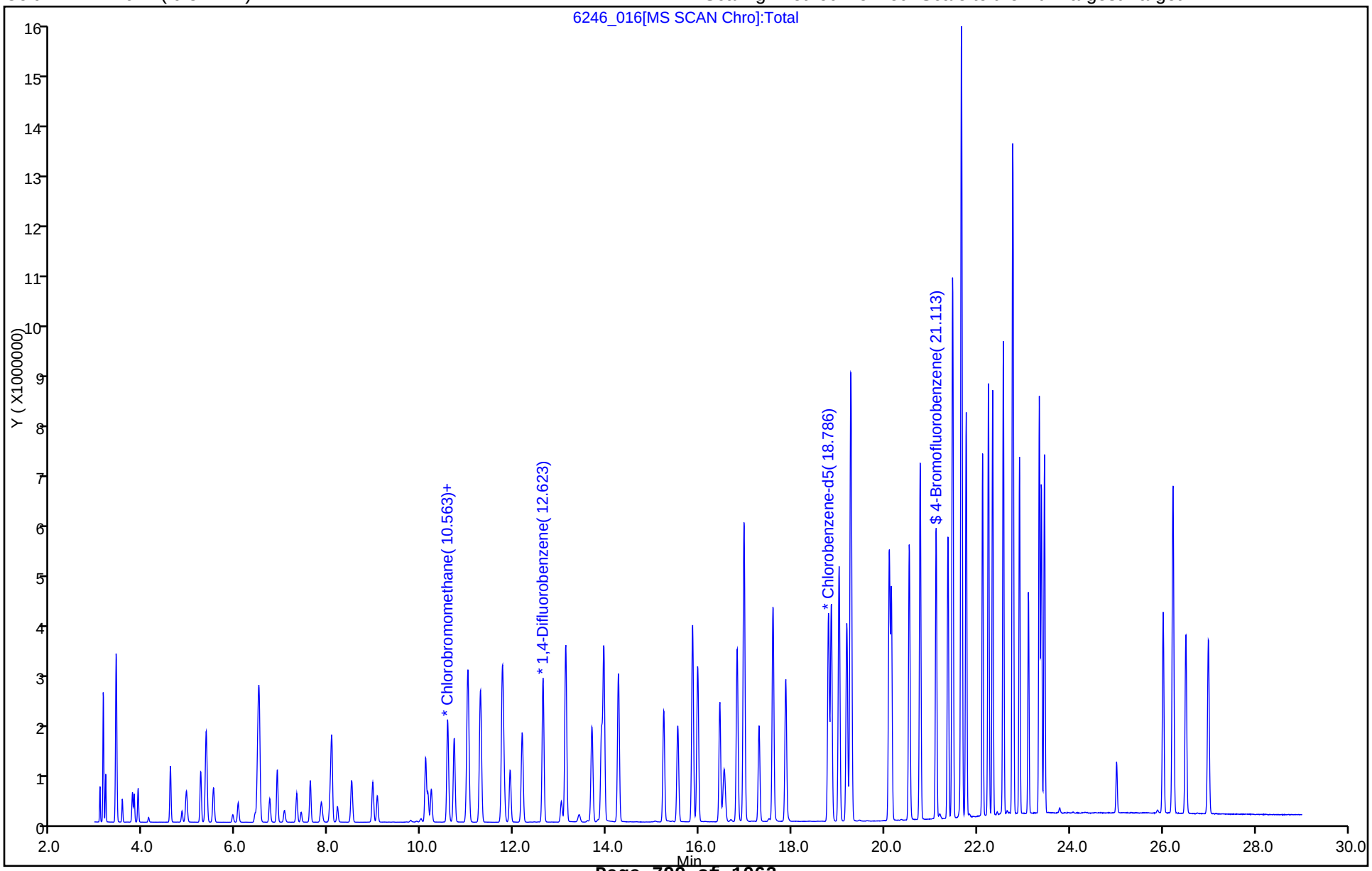
Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 25-Feb-2014 11:44:54 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_016.D				
Injection Date:	21-Feb-2014 00:15:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	ICV	Lab Sample ID:	ICV 200-68621/16-A	Worklist Smp#:	16
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Lab Sample ID: ICV 200-68234/14 Calibration Date: 02/12/2014 03:20

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6101_014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6601	0.5218		7.90	10.0	-21.0	30.0
Freon 12	Ave	4.574	3.691		8.07	10.0	-19.3	30.0
Freon 22	Ave	1.733	1.395		8.05	10.0	-19.5	30.0
Freon-114	Ave	3.900	3.454		8.86	10.0	-11.4	30.0
Chloromethane	Ave	0.7873	0.6279		7.97	10.0	-20.2	30.0
n-Butane	Ave	1.276	1.082		8.48	10.0	-15.2	30.0
Vinyl chloride	Ave	1.133	0.8930		7.88	10.0	-21.2	30.0
1,3-Butadiene	Ave	0.6968	0.5928		8.50	10.0	-14.9	30.0
Bromomethane	Ave	1.171	0.9199		7.85	10.0	-21.5	30.0
Chloroethane	Ave	0.6027	0.4820		7.99	10.0	-20.0	30.0
Isopentane	Ave	0.9735	0.8689		8.92	10.0	-10.7	30.0
Vinyl bromide	Ave	1.561	1.305		8.36	10.0	-16.4	30.0
Freon 11	Ave	5.126	3.998		7.80	10.0	-22.0	30.0
n-Pentane	Ave	1.364	1.342		9.83	10.0	-1.7	30.0
Ethanol	Ave	0.2860	0.2399		12.6	15.0	-16.1	30.0
Ethyl ether	Ave	0.7138	0.7330		10.3	10.0	2.7	30.0
Acrolein	Ave	0.3000	0.3236		10.8	10.0	7.9	30.0
Freon 113	Ave	3.208	2.620		8.17	10.0	-18.3	30.0
1,1-Dichloroethene	Ave	1.382	1.206		8.72	10.0	-12.7	30.0
Acetone	Ave	1.452	1.422		9.79	10.0	-2.1	30.0
Carbon disulfide	Ave	3.183	3.074		9.66	10.0	-3.4	30.0
Isopropyl alcohol	Ave	1.217	0.9047		7.43	10.0	-25.6	30.0
Allyl chloride	Ave	0.9827	0.8690		8.84	10.0	-11.6	30.0
Acetonitrile	Ave	0.5322	0.4695		8.82	10.0	-11.8	30.0
Methylene Chloride	Ave	1.011	0.8440		8.35	10.0	-16.5	30.0
tert-Butyl alcohol	Ave	2.208	1.792		8.11	10.0	-18.8	30.0
Methyl tert-butyl ether	Ave	3.658	3.641		9.95	10.0	-0.5	30.0
trans-1,2-Dichloroethene	Ave	1.666	1.518		9.11	10.0	-8.9	30.0
Acrylonitrile	Ave	0.6196	0.5743		9.27	10.0	-7.3	30.0
Hexane	Ave	1.400	1.443		10.3	10.0	3.1	30.0
1,1-Dichloroethane	Ave	2.242	1.819		8.11	10.0	-18.9	30.0
Vinyl acetate	Ave	2.083	1.908		9.16	10.0	-8.4	30.0
cis-1,2-Dichloroethene	Ave	1.459	1.310		8.97	10.0	-10.3	30.0
Methyl Ethyl Ketone	Ave	0.6148	0.5454		8.87	10.0	-11.3	30.0
Ethyl acetate	Ave	0.1195	0.1135		9.49	10.0	-5.0	30.0
Tetrahydrofuran	Ave	0.1892	0.1677		8.86	10.0	-11.4	30.0
Chloroform	Ave	3.351	2.766		8.25	10.0	-17.5	30.0
Cyclohexane	Ave	0.3651	0.3510		9.61	10.0	-3.9	30.0
1,1,1-Trichloroethane	Ave	0.8347	0.6941		8.31	10.0	-16.8	30.0
Carbon tetrachloride	Ave	0.9534	0.7595		7.97	10.0	-20.3	30.0
2,2,4-Trimethylpentane	Ave	0.9724	0.9536		9.80	10.0	-1.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Lab Sample ID: ICV 200-68234/14 Calibration Date: 02/12/2014 03:20

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6101_014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.8714	0.7454		8.55	10.0	-14.5	30.0
1,2-Dichloroethane	Ave	0.4411	0.3729		8.45	10.0	-15.5	30.0
Heptane	Ave	0.3036	0.2983		9.82	10.0	-1.8	30.0
n-Butanol	Ave	0.1081	0.0899		8.31	10.0	-16.9	30.0
Trichloroethene	Ave	0.4486	0.3972		8.85	10.0	-11.5	30.0
1,2-Dichloropropane	Ave	0.2654	0.2271		8.55	10.0	-14.4	30.0
Methyl methacrylate	Ave	0.2752	0.2583		9.38	10.0	-6.1	30.0
1,4-Dioxane	Ave	0.1525	0.1186		7.77	10.0	-22.3	30.0
Dibromomethane	Ave	0.5502	0.4531		8.23	10.0	-17.6	30.0
Bromodichloromethane	Ave	0.7680	0.6447		8.39	10.0	-16.1	30.0
cis-1,3-Dichloropropene	Ave	0.4344	0.4270		9.83	10.0	-1.7	30.0
methyl isobutyl ketone	Ave	0.4254	0.3833		9.01	10.0	-9.9	30.0
n-Octane	Ave	0.4024	0.3953		9.82	10.0	-1.8	30.0
Toluene	Ave	0.7252	0.6585		9.08	10.0	-9.2	30.0
trans-1,3-Dichloropropene	Ave	0.4984	0.4749		9.52	10.0	-4.7	30.0
1,1,2-Trichloroethane	Ave	0.3616	0.3099		8.57	10.0	-14.3	30.0
Tetrachloroethene	Ave	0.9024	0.7795		8.64	10.0	-13.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4083	0.3819		9.35	10.0	-6.5	30.0
Dibromochloromethane	Ave	1.004	0.8568		8.53	10.0	-14.7	30.0
1,2-Dibromoethane	Ave	0.7336	0.6626		9.03	10.0	-9.7	30.0
Chlorobenzene	Ave	1.213	1.014		8.36	10.0	-16.4	30.0
Ethylbenzene	Ave	1.694	1.544		9.11	10.0	-8.9	30.0
n-Nonane	Ave	0.5654	0.5206		9.21	10.0	-7.9	30.0
m,p-Xylene	Ave	0.6834	0.6134		17.9	20.0	-10.2	30.0
Xylene, o-	Ave	0.6450	0.6220		9.64	10.0	-3.6	30.0
Styrene	Ave	0.9570	0.9354		9.77	10.0	-2.3	30.0
Bromoform	Ave	1.010	0.8961		8.87	10.0	-11.3	30.0
Cumene	Ave	1.983	1.978		9.97	10.0	-0.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9828	0.8466		8.61	10.0	-13.9	30.0
n-Propylbenzene	Ave	2.308	2.182		9.45	10.0	-5.5	30.0
1,2,3-Trichloropropane	Ave	0.7563	0.6505		8.60	10.0	-14.0	30.0
n-Decane	Ave	0.7915	0.7216		9.12	10.0	-8.8	30.0
4-Ethyltoluene	Ave	2.208	2.031		9.20	10.0	-8.0	30.0
2-Chlorotoluene	Ave	1.930	1.661		8.60	10.0	-13.9	30.0
1,3,5-Trimethylbenzene	Ave	2.043	1.801		8.81	10.0	-11.9	30.0
Alpha Methyl Styrene	Ave	0.8513	0.8874		10.4	10.0	4.2	30.0
tert-Butylbenzene	Ave	1.984	1.765		8.89	10.0	-11.0	30.0
1,2,4-Trimethylbenzene	Ave	1.950	1.764		9.05	10.0	-9.5	30.0
sec-Butylbenzene	Ave	2.687	2.399		8.93	10.0	-10.7	30.0
4-Isopropyltoluene	Ave	2.363	2.177		9.21	10.0	-7.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Lab Sample ID: ICV 200-68234/14 Calibration Date: 02/12/2014 03:20

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6101_014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.421	1.224		8.61	10.0	-13.8	30.0
1,4-Dichlorobenzene	Ave	1.323	1.191		9.01	10.0	-9.9	30.0
Benzyl chloride	Ave	1.188	1.091		9.18	10.0	-8.2	30.0
n-Undecane	Ave	0.8026	0.7231		9.01	10.0	-9.9	30.0
n-Butylbenzene	Ave	1.792	1.580		8.81	10.0	-11.8	30.0
1,2-Dichlorobenzene	Ave	1.383	1.196		8.64	10.0	-13.6	30.0
n-Dodecane	Ave	0.5251	0.4886		9.30	10.0	-7.0	30.0
1,2,4-Trichlorobenzene	Ave	0.7107	0.6320		8.89	10.0	-11.1	30.0
Hexachloro-1,3-butadiene	Ave	1.124	0.9086		8.08	10.0	-19.2	30.0
Naphthalene	Ave	1.386	1.258		9.08	10.0	-9.2	30.0
1,2,3-Trichlorobenzene	Ave	0.6622	0.5867		8.86	10.0	-11.4	30.0

Report Date: 12-Feb-2014 09:54:12 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_014.d
Lims ID: ICV Lab Sample ID: ICV 200-68232/14-A
Client ID:
Sample Type: ICV
Inject. Date: 12-Feb-2014 03:20:30 ALS Bottle#: 9 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006101-014
Misc. Info.: ICV
Operator ID: PAD Instrument ID: CHW.i
Sublist:

Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 12-Feb-2014 09:52:24 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: lyonsb Date: 12-Feb-2014 09:34:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.383	4.383	0.0	97	300987	7.90	
2 Dichlorodifluoromethane	85	4.474	4.479	-0.005	99	2129367	8.07	
6 Chlorodifluoromethane	51	4.544	4.544	0.0	93	804517	8.05	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.833	4.832	0.0	92	1992453	8.86	
8 Chloromethane	50	5.025	5.025	0.0	99	362199	7.97	
9 Butane	43	5.287	5.287	0.0	95	624207	8.48	
10 Vinyl chloride	62	5.351	5.346	0.005	96	515110	7.88	
11 Butadiene	54	5.448	5.442	0.006	93	341925	8.50	
13 BFB								
12 Bromomethane	94	6.314	6.314	0.0	99	530623	7.85	
14 Chloroethane	64	6.603	6.598	0.005	99	278020	7.99	
15 2-Methylbutane	43	6.694	6.678	0.016	86	501192	8.92	
16 Vinyl bromide	106	7.079	7.079	0.0	96	752860	8.36	
17 Trichlorofluoromethane	101	7.197	7.192	0.005	98	2306138	7.80	
18 Pentane	43	7.363	7.357	0.006	93	773960	9.83	
19 Ethanol	45	7.802	7.796	0.006	99	207660	12.6	
21 Ethyl ether	59	7.946	7.941	0.005	91	422831	10.3	
22 Acrolein	56	8.406	8.406	0.0	96	186687	10.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.449	8.443	0.006	95	1511482	8.17	
24 1,1-Dichloroethene	96	8.518	8.518	0.0	94	695415	8.72	
25 Acetone	43	8.754	8.748	0.006	87	819994	9.79	
26 Carbon disulfide	76	9.005	9.000	0.005	98	1773118	9.66	
27 Isopropyl alcohol	45	9.037	9.032	0.005	88	521875	7.43	
29 3-Chloro-1-propene	41	9.407	9.406	0.0	82	501305	8.84	
30 Acetonitrile	41	9.540	9.535	0.005	98	270842	8.82	
31 Methylene Chloride	49	9.738	9.733	0.005	79	486857	8.35	
32 2-Methyl-2-propanol	59	9.904	9.904	0.0	99	1033548	8.11	
33 Methyl tert-butyl ether	73	10.166	10.161	0.005	94	2100076	9.95	
S 41 1,2-Dichloroethene, Total	61				0		18.1	
34 trans-1,2-Dichloroethene	61	10.236	10.236	0.0	88	875421	9.11	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
35 Acrylonitrile	53	10.385	10.385	0.0	93	331253	9.27
36 Hexane	57	10.653	10.653	0.0	89	832234	10.3
37 1,1-Dichloroethane	63	11.199	11.199	0.0	99	1049239	8.11
38 Vinyl acetate	43	11.241	11.236	0.005	99	1100456	9.16
39 cis-1,2-Dichloroethene	96	12.370	12.375	-0.005	97	755409	8.97
40 2-Butanone (MEK)	72	12.397	12.392	0.005	100	314618	8.87
42 Ethyl acetate	88	12.408	12.413	-0.005	97	65479	9.49
44 Tetrahydrofuran	42	12.852	12.846	0.006	81	459913	8.86
* 43 Chlorobromomethane	128	12.862	12.852	0.010	69	576959	10.0
45 Chloroform	83	12.969	12.964	0.005	99	1595470	8.25
46 Cyclohexane	84	13.269	13.264	0.005	83	962676	9.61
47 1,1,1-Trichloroethane	97	13.280	13.280	0.0	95	1903809	8.31
48 Carbon tetrachloride	117	13.531	13.531	0.0	98	2083351	7.97
51 Isooctane	57	13.927	13.927	0.0	97	2615633	9.80
50 Benzene	78	13.986	13.986	0.0	94	2044509	8.55
52 1,2-Dichloroethane	62	14.146	14.141	0.005	99	1022839	8.45
53 n-Heptane	43	14.280	14.275	0.005	81	818170	9.82
* 54 1,4-Difluorobenzene	114	14.746	14.745	0.001	92	2743463	10.0
A 57 GRO	1	14.769	6.668 - 22.871		0	269637348	0
55 n-Butanol	56	15.029	15.024	0.005	84	246610	8.31
56 Trichloroethene	95	15.211	15.211	0.0	95	1089561	8.85
58 1,2-Dichloropropane	63	15.730	15.730	0.0	86	622938	8.55
59 Methyl methacrylate	69	15.815	15.815	0.0	76	708455	9.38
60 1,4-Dioxane	88	15.906	15.901	0.005	86	325166	7.77
61 Dibromomethane	174	15.976	15.970	0.006	88	1242876	8.23
62 Dichlorobromomethane	83	16.222	16.222	0.0	98	1768227	8.39
A 63 TVOC as Toluene	1	16.631	4.373 - 28.889		0	486697765	2446.3
64 cis-1,3-Dichloropropene	75	17.083	17.083	0.0	89	1171279	9.83
65 4-Methyl-2-pentanone (MIBK)	43	17.324	17.324	0.0	90	1051398	9.01
69 n-Octane	43	17.656	17.656	0.0	79	1084256	9.82
A 68 C8 Range	1	17.656	17.606 - 17.706		0	11683641	NC
A 67 Toluene Range	1	17.661	17.621 - 17.701		0	11683641	NC
66 Toluene	92	17.661	17.661	0.0	93	1642194	9.08
70 trans-1,3-Dichloropropene	75	18.191	18.191	0.0	94	1302494	9.52
71 1,1,2-Trichloroethane	83	18.560	18.560	0.0	92	772914	8.57
72 Tetrachloroethene	166	18.699	18.699	0.0	97	1944046	8.64
73 2-Hexanone	43	18.950	18.950	0.0	90	952369	9.35
74 Chlorodibromomethane	129	19.314	19.314	0.0	97	2136776	8.53
75 Ethylene Dibromide	107	19.603	19.603	0.0	99	1652351	9.03
S 82 Xylenes, Total	106				0		27.6
* 76 Chlorobenzene-d5	117	20.443	20.443	0.0	83	2494405	10.0
77 Chlorobenzene	112	20.502	20.502	0.0	96	2528783	8.36
78 Ethylbenzene	91	20.619	20.614	0.005	95	3851733	9.11
79 n-Nonane	57	20.673	20.673	0.0	79	1298443	9.21
80 m-Xylene & p-Xylene	106	20.833	20.833	0.0	100	3059721	17.9
83 o-Xylene	106	21.545	21.545	0.0	94	1551144	9.64
84 Styrene	104	21.582	21.582	0.0	95	2332878	9.77
85 Bromoform	173	21.962	21.962	0.0	99	2234851	8.87
86 Isopropylbenzene	105	22.117	22.112	0.005	95	4932625	9.97
$ 87 4-Bromofluorobenzene	95	22.454	22.444	0.010	97	1831032	NC
88 1,1,2,2-Tetrachloroethane	83	22.679	22.668	0.011	94	2111331	8.61
90 N-Propylbenzene	91	22.759	22.743	0.016	99	5441121	9.45

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
89	1,2,3-Trichloropropane	75	22.786	22.770	0.016	93	1622321	8.60	
93	n-Decane	57	22.872	22.861	0.011	82	1799683	9.12	
91	4-Ethyltoluene	105	22.925	22.909	0.016	96	5065784	9.20	
92	2-Chlorotoluene	91	22.957	22.946	0.011	94	4143273	8.60	
94	1,3,5-Trimethylbenzene	105	23.016	23.005	0.011	92	4490791	8.81	
95	Alpha Methyl Styrene	118	23.369	23.353	0.016	89	2213065	10.4	
96	tert-Butylbenzene	119	23.492	23.481	0.011	92	4402388	8.89	
97	1,2,4-Trimethylbenzene	105	23.589	23.572	0.017	97	4400273	9.05	
98	sec-Butylbenzene	105	23.824	23.808	0.016	98	5981883	8.93	
99	4-Isopropyltoluene	119	24.027	24.011	0.016	87	5428368	9.21	
100	1,3-Dichlorobenzene	146	24.091	24.081	0.010	97	3053631	8.61	
101	1,4-Dichlorobenzene	146	24.236	24.225	0.011	96	2971448	9.01	
102	Benzyl chloride	91	24.450	24.434	0.016	100	2720950	9.18	
104	Undecane	57	24.642	24.626	0.016	87	1803329	9.01	
103	n-Butylbenzene	91	24.664	24.653	0.011	97	3940639	8.81	
105	1,2-Dichlorobenzene	146	24.840	24.830	0.010	98	2982307	8.64	
106	Dodecane	57	26.440	26.434	0.006	89	1218498	9.30	
107	1,2,4-Trichlorobenzene	180	27.729	27.724	0.005	94	1576106	8.89	
108	Hexachlorobutadiene	225	27.938	27.927	0.011	95	2266007	8.08	
109	Naphthalene	128	28.318	28.312	0.006	99	3138431	9.08	
110	1,2,3-Trichlorobenzene	180	28.885	28.879	0.006	95	1463085	8.86	

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

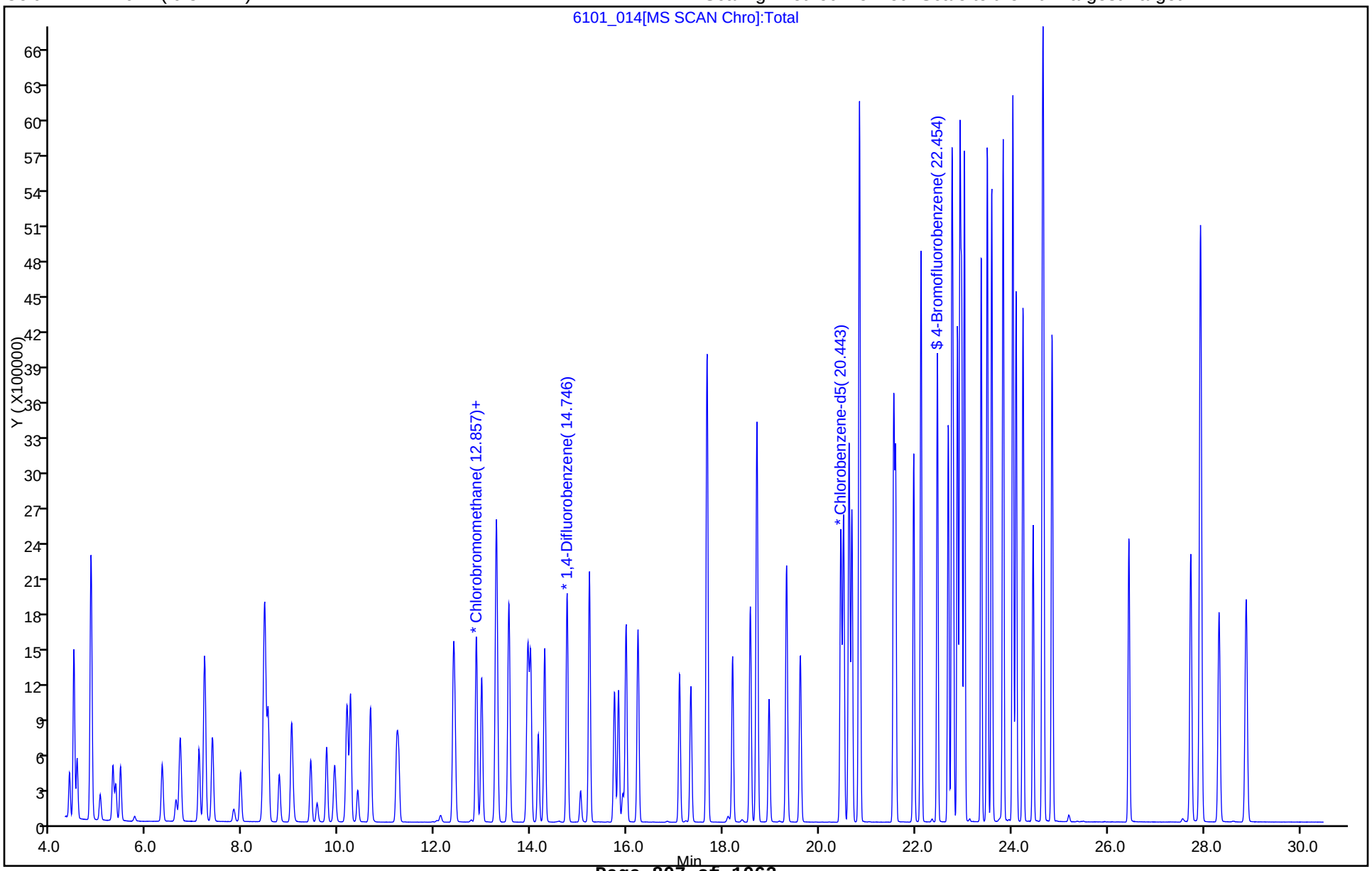
Report Date: 12-Feb-2014 09:54:12 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_014.d

Injection Date:	12-Feb-2014 03:20:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	ICV	Lab Sample ID:	ICV 200-68232/14-A	Worklist Smp#:	14
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Lab Sample ID: CCVIS 200-68730/2 Calibration Date: 02/24/2014 11:15

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6282_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6601	0.7846		11.9	10.0	18.9	30.0
Freon 12	Ave	4.574	5.300		11.6	10.0	15.9	30.0
Freon 22	Ave	1.733	1.995		11.5	10.0	15.1	30.0
Freon-114	Ave	3.900	4.312		11.1	10.0	10.6	30.0
Chloromethane	Ave	0.7873	0.9114		11.6	10.0	15.8	30.0
n-Butane	Ave	1.276	1.426		11.2	10.0	11.8	30.0
Vinyl chloride	Ave	1.133	1.138		10.0	10.0	0.5	30.0
1,3-Butadiene	Ave	0.6968	0.7513		10.8	10.0	7.8	30.0
Bromomethane	Ave	1.171	1.192		10.2	10.0	1.7	30.0
Chloroethane	Ave	0.6027	0.6359		10.5	10.0	5.5	30.0
Isopentane	Ave	0.9735	1.062		10.9	10.0	9.1	30.0
Vinyl bromide	Ave	1.561	1.792		11.5	10.0	14.8	30.0
Freon 11	Ave	5.126	5.536		10.8	10.0	8.0	30.0
n-Pentane	Ave	1.364	1.675		12.3	10.0	22.7	30.0
Ethanol	Ave	0.2860	0.3366		17.7	15.0	17.7	30.0
Ethyl ether	Ave	0.7138	0.8680		12.2	10.0	21.6	30.0
Acrolein	Ave	0.3000	0.3555		11.8	10.0	18.5	30.0
Freon 113	Ave	3.208	3.430		10.7	10.0	6.9	30.0
1,1-Dichloroethene	Ave	1.382	1.617		11.7	10.0	17.1	30.0
Acetone	Ave	1.452	1.705		11.7	10.0	17.4	30.0
Carbon disulfide	Ave	3.183	3.559		11.2	10.0	11.8	30.0
Isopropyl alcohol	Ave	1.217	1.477		12.1	10.0	21.4	30.0
Allyl chloride	Ave	0.9827	1.237		12.6	10.0	25.9	30.0
Acetonitrile	Ave	0.5322	0.6421		12.1	10.0	20.7	30.0
Methylene Chloride	Ave	1.011	1.123		11.1	10.0	11.1	30.0
tert-Butyl alcohol	Ave	2.208	2.633		11.9	10.0	19.3	30.0
Methyl tert-butyl ether	Ave	3.658	4.742		13.0	10.0	29.6	30.0
trans-1,2-Dichloroethene	Ave	1.666	1.909		11.5	10.0	14.6	30.0
Acrylonitrile	Ave	0.6196	0.7190		11.6	10.0	16.0	30.0
Hexane	Ave	1.400	1.784		12.7	10.0	27.5	30.0
1,1-Dichloroethane	Ave	2.242	2.374		10.6	10.0	5.9	30.0
Vinyl acetate	Ave	2.083	2.635		12.6	10.0	26.5	30.0
cis-1,2-Dichloroethene	Ave	1.459	1.724		11.8	10.0	18.1	30.0
Methyl Ethyl Ketone	Ave	0.6148	0.6994		11.4	10.0	13.8	30.0
Ethyl acetate	Ave	0.1195	0.1357		11.4	10.0	13.5	30.0
Tetrahydrofuran	Ave	0.1892	0.2170		11.5	10.0	14.7	30.0
Chloroform	Ave	3.351	3.638		10.9	10.0	8.6	30.0
Cyclohexane	Ave	0.3651	0.4532		12.4	10.0	24.1	30.0
1,1,1-Trichloroethane	Ave	0.8347	0.9168		11.0	10.0	9.8	30.0
Carbon tetrachloride	Ave	0.9534	1.007		10.6	10.0	5.6	30.0
2,2,4-Trimethylpentane	Ave	0.9724	1.252		12.9	10.0	28.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Lab Sample ID: CCVIS 200-68730/2 Calibration Date: 02/24/2014 11:15

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6282_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.8714	0.9547		11.0	10.0	9.6	30.0
1,2-Dichloroethane	Ave	0.4411	0.4883		11.1	10.0	10.7	30.0
Heptane	Ave	0.3036	0.3911		12.9	10.0	28.8	30.0
n-Butanol	Ave	0.1081	0.1272		11.8	10.0	17.7	30.0
Trichloroethene	Ave	0.4486	0.5106		11.4	10.0	13.8	30.0
1,2-Dichloropropane	Ave	0.2654	0.2998		11.3	10.0	13.0	30.0
Methyl methacrylate	Ave	0.2752	0.3256		11.8	10.0	18.3	30.0
1,4-Dioxane	Ave	0.1525	0.1777		11.6	10.0	16.5	30.0
Dibromomethane	Ave	0.5502	0.5822		10.6	10.0	5.8	30.0
Bromodichloromethane	Ave	0.7680	0.8567		11.2	10.0	11.5	30.0
cis-1,3-Dichloropropene	Ave	0.4344	0.5551		12.8	10.0	27.8	30.0
methyl isobutyl ketone	Ave	0.4254	0.5089		12.0	10.0	19.6	30.0
n-Octane	Ave	0.4024	0.5120		12.7	10.0	27.3	30.0
Toluene	Ave	0.7252	0.8329		11.5	10.0	14.8	30.0
trans-1,3-Dichloropropene	Ave	0.4984	0.6129		12.3	10.0	23.0	30.0
1,1,2-Trichloroethane	Ave	0.3616	0.3910		10.8	10.0	8.1	30.0
Tetrachloroethene	Ave	0.9024	0.997		11.1	10.0	10.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4083	0.4867		11.9	10.0	19.2	30.0
Dibromochloromethane	Ave	1.004	1.145		11.4	10.0	14.0	30.0
1,2-Dibromoethane	Ave	0.7336	0.8423		11.5	10.0	14.8	30.0
Chlorobenzene	Ave	1.213	1.288		10.6	10.0	6.2	30.0
Ethylbenzene	Ave	1.694	1.978		11.7	10.0	16.7	30.0
n-Nonane	Ave	0.5654	0.6664		11.8	10.0	17.9	30.0
m,p-Xylene	Ave	0.6834	0.7756		22.7	20.0	13.5	30.0
Xylene, o-	Ave	0.6450	0.7908		12.3	10.0	22.6	30.0
Styrene	Ave	0.9570	1.167		12.2	10.0	22.0	30.0
Bromoform	Ave	1.010	1.150		11.4	10.0	13.9	30.0
Cumene	Ave	1.983	2.470		12.5	10.0	24.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9828	1.017		10.3	10.0	3.4	30.0
n-Propylbenzene	Ave	2.308	2.735		11.8	10.0	18.5	30.0
1,2,3-Trichloropropane	Ave	0.7563	0.8191		10.8	10.0	8.3	30.0
n-Decane	Ave	0.7915	0.8917		11.3	10.0	12.7	30.0
4-Ethyltoluene	Ave	2.208	2.495		11.3	10.0	13.0	30.0
2-Chlorotoluene	Ave	1.930	2.080		10.8	10.0	7.7	30.0
1,3,5-Trimethylbenzene	Ave	2.043	2.255		11.0	10.0	10.4	30.0
Alpha Methyl Styrene	Ave	0.8513	1.058		12.4	10.0	24.3	30.0
tert-Butylbenzene	Ave	1.984	2.251		11.3	10.0	13.5	30.0
1,2,4-Trimethylbenzene	Ave	1.950	2.189		11.2	10.0	12.2	30.0
sec-Butylbenzene	Ave	2.687	3.050		11.3	10.0	13.5	30.0
4-Isopropyltoluene	Ave	2.363	2.746		11.6	10.0	16.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Lab Sample ID: CCVIS 200-68730/2 Calibration Date: 02/24/2014 11:15

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6282_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.421	1.440		10.1	10.0	1.3	30.0
1,4-Dichlorobenzene	Ave	1.323	1.373		10.4	10.0	3.8	30.0
Benzyl chloride	Ave	1.188	1.338		11.3	10.0	12.6	30.0
n-Undecane	Ave	0.8026	0.7744		9.65	10.0	-3.5	30.0
n-Butylbenzene	Ave	1.792	1.806		10.1	10.0	0.7	30.0
1,2-Dichlorobenzene	Ave	1.383	1.324		9.57	10.0	-4.3	30.0
n-Dodecane	Ave	0.5251	0.4317		8.22	10.0	-17.8	30.0
1,2,4-Trichlorobenzene	Ave	0.7107	0.5396		7.59	10.0	-24.1	30.0
Hexachloro-1,3-butadiene	Ave	1.124	1.078		9.59	10.0	-4.1	30.0
Naphthalene	Ave	1.386	0.9729		7.02	10.0	-29.8	30.0
1,2,3-Trichlorobenzene	Ave	0.6622	0.5592		8.44	10.0	-15.6	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_002.d
Lims ID: CCVIS Lab Sample ID: VIBLK 200-68235/2-A
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Feb-2014 11:15:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006282-002
Misc. Info.: CCVIS
Operator ID: bl Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 15:16:59 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.372	4.372	0.0	97	322086	11.9	
2 Dichlorodifluoromethane	85	4.463	4.463	0.0	99	2175598	11.6	
6 Chlorodifluoromethane	51	4.533	4.533	0.0	74	818742	11.5	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.816	4.816	0.0	87	1770026	11.1	
8 Chloromethane	50	5.009	5.009	0.0	100	374131	11.6	
9 Butane	43	5.276	5.276	0.0	94	585216	11.2	
10 Vinyl chloride	62	5.330	5.330	0.0	82	467057	10.0	
11 Butadiene	54	5.432	5.432	0.0	94	308382	10.8	
12 Bromomethane	94	6.304	6.304	0.0	98	489177	10.2	
13 BFB								
14 Chloroethane	64	6.582	6.582	0.0	99	261041	10.5	
15 2-Methylbutane	43	6.678	6.678	0.0	85	436027	10.9	
16 Vinyl bromide	106	7.069	7.069	0.0	96	735574	11.5	
17 Trichlorofluoromethane	101	7.186	7.186	0.0	98	2272659	10.8	
18 Pentane	43	7.347	7.347	0.0	93	687375	12.3	
19 Ethanol	45	7.802	7.802	0.0	99	207339	17.7	
21 Ethyl ether	59	7.930	7.930	0.0	92	356286	12.2	
22 Acrolein	56	8.401	8.401	0.0	97	145922	11.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.438	8.438	0.0	93	1408058	10.7	
24 1,1-Dichloroethene	96	8.508	8.508	0.0	95	663920	11.7	
25 Acetone	43	8.743	8.743	0.0	88	699914	11.7	
26 Carbon disulfide	76	8.995	8.995	0.0	99	1460996	11.2	
27 Isopropyl alcohol	45	9.027	9.027	0.0	97	606230	12.1	
29 3-Chloro-1-propene	41	9.396	9.396	0.0	82	507698	12.6	
30 Acetonitrile	41	9.530	9.530	0.0	98	263565	12.1	
31 Methylene Chloride	49	9.727	9.727	0.0	80	461124	11.1	
32 2-Methyl-2-propanol	59	9.899	9.899	0.0	98	1080891	11.9	
33 Methyl tert-butyl ether	73	10.155	10.155	0.0	94	1946490	13.0	
S 41 1,2-Dichloroethene, Total	61				0		23.3	
34 trans-1,2-Dichloroethene	61	10.230	10.230	0.0	89	783549	11.5	
35 Acrylonitrile	53	10.375	10.375	0.0	92	295151	11.6	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v	Flags
	36 Hexane	57	10.642	10.642	0.0	89	732326	12.7	
	37 1,1-Dichloroethane	63	11.193	11.193	0.0	99	974559	10.6	
	38 Vinyl acetate	43	11.231	11.231	0.0	99	1081832	12.6	
	39 cis-1,2-Dichloroethene	96	12.370	12.370	0.0	97	707729	11.8	
	40 2-Butanone (MEK)	72	12.386	12.386	0.0	100	287103	11.4	
	42 Ethyl acetate	88	12.408	12.408	0.0	98	55708	11.4	
	44 Tetrahydrofuran	42	12.846	12.846	0.0	87	423874	11.5	
*	43 Chlorobromomethane	128	12.857	12.857	0.0	68	410568	10.0	
	45 Chloroform	83	12.959	12.959	0.0	99	1493215	10.9	
	46 Cyclohexane	84	13.258	13.258	0.0	82	885214	12.4	
	47 1,1,1-Trichloroethane	97	13.269	13.269	0.0	95	1790576	11.0	
	48 Carbon tetrachloride	117	13.531	13.531	0.0	98	1966470	10.6	
	51 Isooctane	57	13.927	13.927	0.0	97	2445925	12.9	
	50 Benzene	78	13.980	13.980	0.0	93	1864693	11.0	
	52 1,2-Dichloroethane	62	14.141	14.141	0.0	99	953730	11.1	
	53 n-Heptane	43	14.275	14.275	0.0	82	763814	12.9	
*	54 1,4-Difluorobenzene	114	14.740	14.740	0.0	93	1953552	10.0	
A	57 GRO	1	14.767	6.668 - 22.866		0	261058062	0	
	55 n-Butanol	56	15.018	15.018	0.0	85	248528	11.8	
	56 Trichloroethene	95	15.206	15.206	0.0	95	997335	11.4	
	58 1,2-Dichloropropane	63	15.730	15.730	0.0	84	585612	11.3	
	59 Methyl methacrylate	69	15.810	15.810	0.0	76	635968	11.8	
	60 1,4-Dioxane	88	15.896	15.896	0.0	84	347021	11.6	
	61 Dibromomethane	174	15.971	15.971	0.0	88	1137037	10.6	
	62 Dichlorobromomethane	83	16.217	16.217	0.0	98	1673272	11.2	
A	63 TVOC as Toluene	1	16.572	4.362 - 28.782		0	437681100	3089.4	
	64 cis-1,3-Dichloropropene	75	17.083	17.083	0.0	90	1084201	12.8	
	65 4-Methyl-2-pentanone (MIBK)	43	17.319	17.319	0.0	90	994000	12.0	
	69 n-Octane	43	17.650	17.650	0.0	79	1000083	12.7	
A	68 C8 Range	1	17.650	17.600 - 17.700		0	10624338	NC	
	66 Toluene	92	17.656	17.656	0.0	93	1480049	11.5	
A	67 Toluene Range	1	17.656	17.616 - 17.696		0	10624338	NC	
	70 trans-1,3-Dichloropropene	75	18.185	18.185	0.0	95	1197029	12.3	
	71 1,1,2-Trichloroethane	83	18.560	18.560	0.0	92	694818	10.8	
	72 Tetrachloroethene	166	18.694	18.694	0.0	98	1772466	11.1	
	73 2-Hexanone	43	18.945	18.945	0.0	90	864953	11.9	
	74 Chlorodibromomethane	129	19.314	19.314	0.0	97	2034967	11.4	
	75 Ethylene Dibromide	107	19.598	19.598	0.0	99	1496784	11.5	
S	82 Xylenes, Total	106				0		35.0	
*	76 Chlorobenzene-d5	117	20.443	20.443	0.0	84	1777392	10.0	
	77 Chlorobenzene	112	20.502	20.502	0.0	96	2288555	10.6	
	78 Ethylbenzene	91	20.614	20.614	0.0	97	3514626	11.7	
	79 n-Nonane	57	20.673	20.673	0.0	78	1184208	11.8	
	80 m-Xylene & p-Xylene	106	20.828	20.828	0.0	100	2756610	22.7	
	83 o-Xylene	106	21.545	21.545	0.0	94	1405279	12.3	
	84 Styrene	104	21.582	21.582	0.0	95	2074011	12.2	
	85 Bromoform	173	21.957	21.957	0.0	99	2043809	11.4	
	86 Isopropylbenzene	105	22.107	22.107	0.0	95	4390167	12.5	
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1277037	NC	
	88 1,1,2,2-Tetrachloroethane	83	22.668	22.668	0.0	94	1806474	10.3	
	90 N-Propylbenzene	91	22.743	22.743	0.0	98	4859368	11.8	
	89 1,2,3-Trichloropropane	75	22.770	22.770	0.0	86	1455584	10.8	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane	57	22.856	22.856	0.0	82	1584521	11.3
91 4-Ethyltoluene	105	22.909	22.909	0.0	96	4434383	11.3
92 2-Chlorotoluene	91	22.941	22.941	0.0	92	3695684	10.8
94 1,3,5-Trimethylbenzene	105	23.000	23.000	0.0	92	4007403	11.0
95 Alpha Methyl Styrene	118	23.348	23.348	0.0	89	1880784	12.4
96 tert-Butylbenzene	119	23.476	23.476	0.0	93	4000786	11.3
97 1,2,4-Trimethylbenzene	105	23.572	23.572	0.0	97	3889320	11.2
98 sec-Butylbenzene	105	23.808	23.808	0.0	97	5420035	11.3
99 4-Isopropyltoluene	119	24.011	24.011	0.0	88	4879783	11.6
100 1,3-Dichlorobenzene	146	24.075	24.075	0.0	97	2558548	10.1
101 1,4-Dichlorobenzene	146	24.220	24.220	0.0	96	2440277	10.4
102 Benzyl chloride	91	24.428	24.428	0.0	99	2376993	11.3
104 Undecane	57	24.616	24.616	0.0	90	1376086	9.65
103 n-Butylbenzene	91	24.642	24.642	0.0	97	3208822	10.1
105 1,2-Dichlorobenzene	146	24.819	24.819	0.0	98	2353260	9.57
106 Dodecane	57	26.381	26.381	0.0	89	767073	8.22
107 1,2,4-Trichlorobenzene	180	27.644	27.644	0.0	94	958816	7.59
108 Hexachlorobutadiene	225	27.842	27.842	0.0	94	1915039	9.59
109 Naphthalene	128	28.221	28.221	0.0	99	1728934	7.02
110 1,2,3-Trichlorobenzene	180	28.772	28.772	0.0	94	993692	8.44

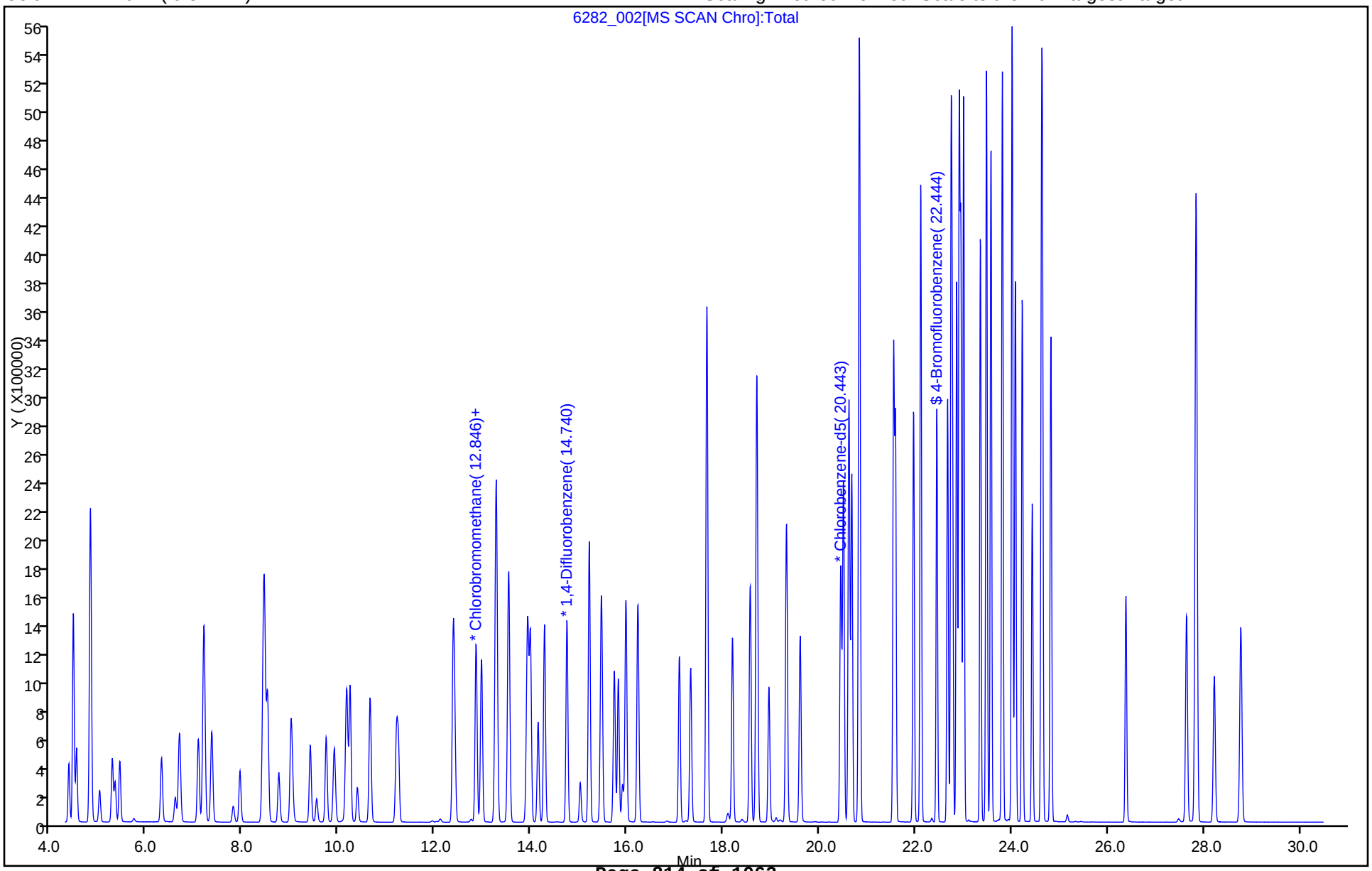
Report Date: 24-Feb-2014 15:16:59 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_002.d

Injection Date:	24-Feb-2014 11:15:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	CCVIS	Lab Sample ID:	VIBLK 200-68235/2-A	Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_001.D				
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	20-Feb-2014 12:20:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0006246-001				
Misc. Info.:	BFB				
Operator ID:	bl	Instrument ID:	CHG.i		
Method:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\TO15_LLNJ_TO3_G.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	25-Feb-2014 11:43:57	Calib Date:	20-Feb-2014 21:54:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK001				
First Level Reviewer: daiglep		Date:	21-Feb-2014 12:08:35		

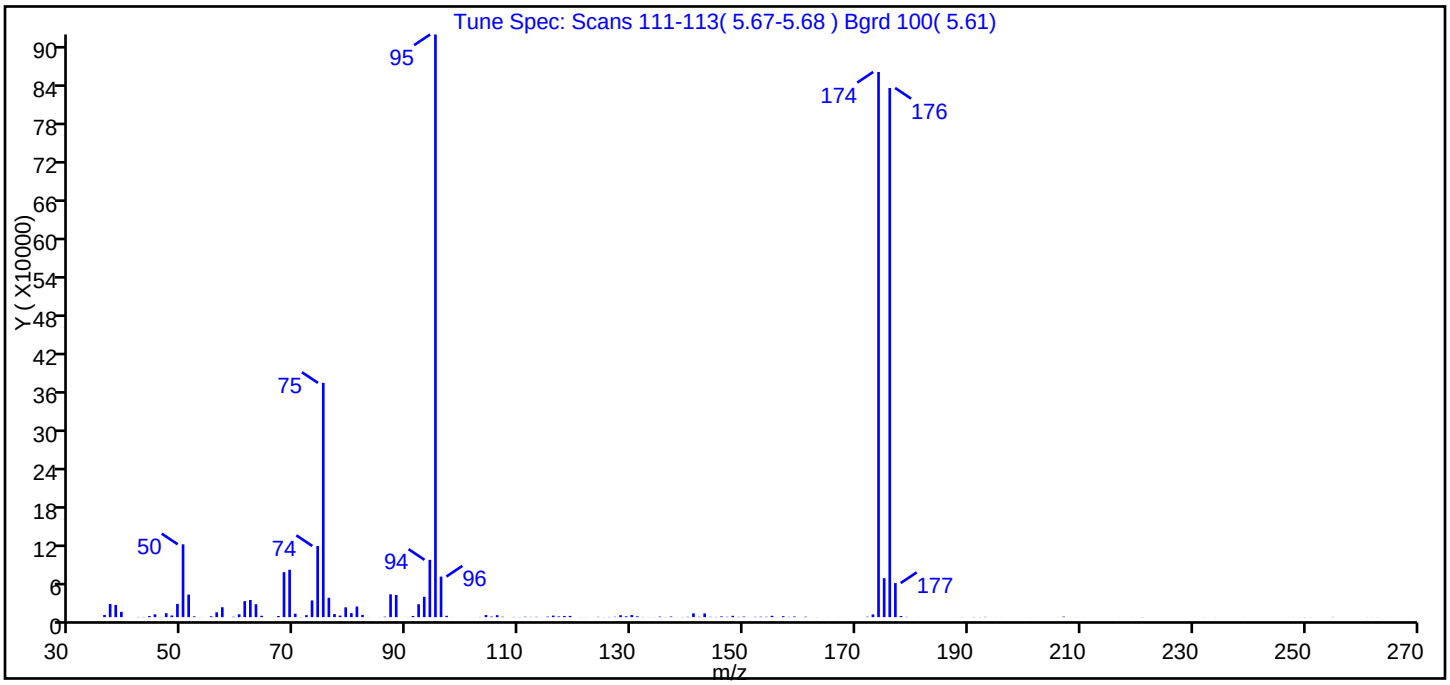
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
13 BFB								
* 43 Chlorobromomethane	128		10.563					
* 54 1,4-Difluorobenzene	114		12.628					
* 76 Chlorobenzene-d5	117		18.786					
$ 87 4-Bromofluorobenzene	95		21.108					

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_001.D
Injection Date: 20-Feb-2014 12:20:30 Instrument ID: CHG.i
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: bl ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_G Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	12.50
75	30.00 - 66.00% of mass 95	40.20
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.50 (0.50)
174	50.00 - 120.00% of mass 95	93.60
175	4.00 - 9.00% of mass 174	6.70 (7.20)
176	93.00 - 101.00% of mass 174	90.80 (97.10)
177	5.00 - 9.00% of mass 176	5.80 (6.40)

Report Date: 25-Feb-2014 11:43:58 Chrom Revision: 2.2 06-Feb-2014 15:19:06

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_001.D\TO15_LLNJ_TO3_G.rslt\spectra.d
Injection Date: 20-Feb-2014 12:20:30
Spectrum: Tune Spec: Scans 111-113(5.67-5.68) Bgrd 100(5.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 159

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3367	80.00	6227	125.00	195	168.00	59
37.00	20608	81.00	16712	126.00	363	172.00	676
38.00	19232	82.00	3556	127.00	575	173.00	4259
39.00	8327	83.00	178	128.00	3045	174.00	856768
41.00	49	85.00	149	129.00	1355	175.00	61280
42.00	298	86.00	731	130.00	3272	176.00	831616
43.00	319	87.00	35880	131.00	1265	177.00	53560
44.00	1764	88.00	34824	132.00	326	178.00	1751
45.00	4446	90.00	69	133.00	146	179.00	370
46.00	269	91.00	1887	134.00	141	181.00	55
47.00	6194	92.00	20352	135.00	804	188.00	52
48.00	2629	93.00	31936	136.00	177	189.00	136
49.00	20832	94.00	90080	137.00	969	190.00	53
50.00	114456	95.00	915648	138.00	123	191.00	251
51.00	35448	96.00	63776	139.00	282	192.00	205
52.00	1266	97.00	2130	140.00	506	193.00	416
53.00	82	98.00	139	141.00	5963	195.00	67
55.00	1317	99.00	31	142.00	617	196.00	58
56.00	7593	101.00	56	143.00	5809	201.00	86
57.00	15575	102.00	134	144.00	488	202.00	51
59.00	588	103.00	310	145.00	348	206.00	63
60.00	4442	104.00	3258	146.00	1129	207.00	828
61.00	25168	105.00	904	147.00	492	209.00	114
62.00	26968	106.00	3104	148.00	2079	217.00	78
63.00	20328	107.00	646	149.00	456	219.00	84
64.00	2200	109.00	331	150.00	913	221.00	240
66.00	104	110.00	269	151.00	75	232.00	143
67.00	1801	111.00	660	152.00	499	234.00	165
68.00	70712	112.00	331	153.00	658	239.00	62
69.00	74464	113.00	491	154.00	561	248.00	118
70.00	5419	114.00	50	155.00	2092	249.00	97
71.00	264	115.00	820	156.00	185	250.00	192
72.00	3137	116.00	2432	157.00	1542	251.00	127

Report Date: 25-Feb-2014 11:43:58 Chrom Revision: 2.2 06-Feb-2014 15:19:06
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_001.D\TO15_LLNJ_TO3_G.rslt\spectra.d
Injection Date: 20-Feb-2014 12:20:30
Spectrum: Tune Spec: Scans 111-113(5.67-5.68) Bgrd 100(5.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 159

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	26272	117.00	1125	158.00	421	253.00	13
74.00	111792	118.00	1885	159.00	978	255.00	344
75.00	368128	119.00	1996	161.00	681	261.00	143
76.00	30456	121.00	219	162.00	54	262.00	64
77.00	4870	122.00	206	163.00	132	263.00	140
78.00	2471	123.00	62	165.00	87	265.00	52
79.00	15416	124.00	477	167.00	59		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_001.D				
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	21-Feb-2014 11:00:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0006267-001				
Misc. Info.:	bfb				
Operator ID:	bl	Instrument ID:	CHG.i		
Method:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	24-Feb-2014 11:38:07	Calib Date:	20-Feb-2014 21:54:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK024				

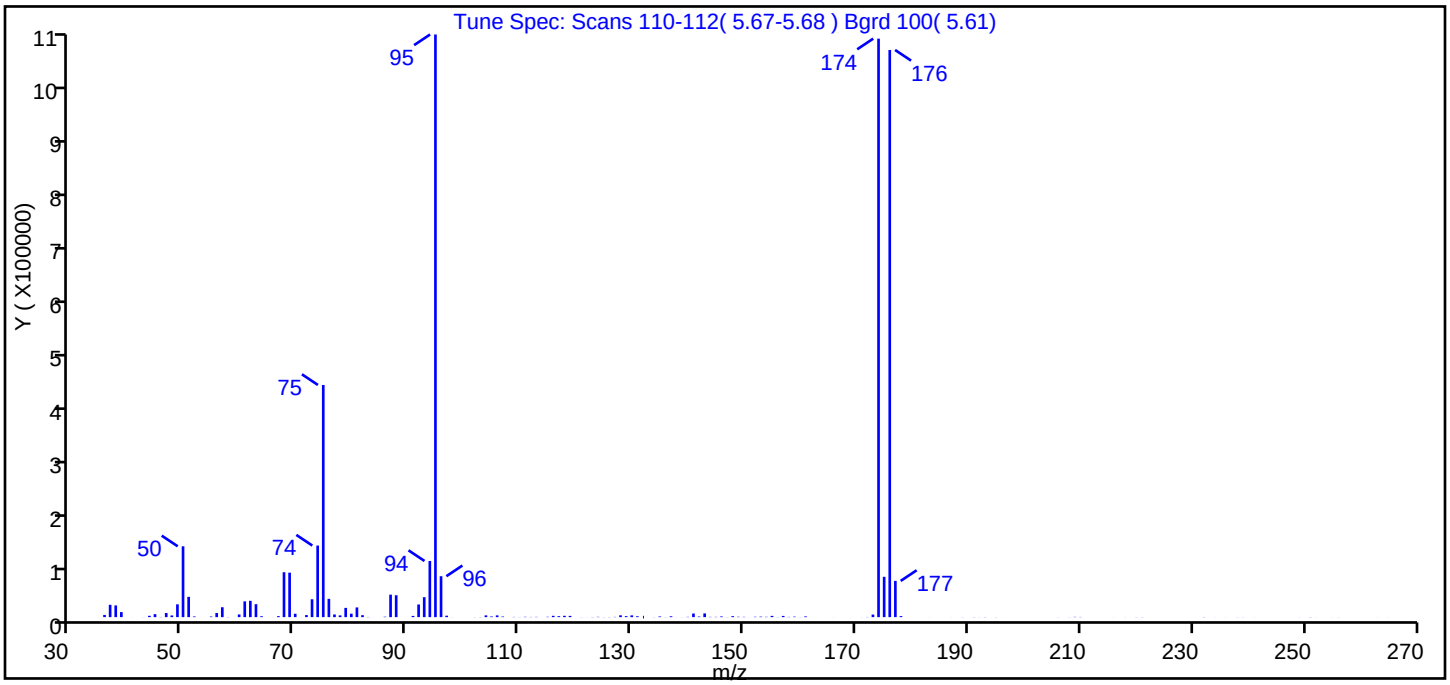
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
13 BFB								
* 43 Chlorobromomethane	128		10.563					
* 54 1,4-Difluorobenzene	114		12.623					
* 76 Chlorobenzene-d5	117		18.786					
$ 87 4-Bromofluorobenzene	95		21.107					

MS Tune Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_001.D				
Injection Date:	21-Feb-2014 11:00:30	Instrument ID:	CHG.i		
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Tune Method:	BFB Method TO-15				

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	12.20
75	30.00 - 66.00% of mass 95	39.80
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.40 (0.40)
174	50.00 - 120.00% of mass 95	99.30
175	4.00 - 9.00% of mass 174	6.90 (7.00)
176	93.00 - 101.00% of mass 174	97.30 (98.00)
177	5.00 - 9.00% of mass 176	6.20 (6.40)

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_001.D\TO15_LLNJ_TO3_G.rslt\spectra.d
Injection Date: 21-Feb-2014 11:00:30
Spectrum: Tune Spec: Scans 110-112(5.67-5.68) Bgrd 100(5.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 156

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	50	80.00	6333	126.00	226	171.00	109
36.00	4048	81.00	17896	127.00	450	172.00	321
37.00	22768	82.00	3634	128.00	3390	173.00	4759
38.00	21584	83.00	338	129.00	1836	174.00	1066496
39.00	9261	84.00	52	130.00	3239	175.00	74368
41.00	44	86.00	794	131.00	1579	176.00	1045632
43.00	135	87.00	41448	132.00	1	177.00	66816
44.00	2480	88.00	40408	133.00	13	178.00	1902
45.00	5529	91.00	2255	134.00	172	183.00	53
46.00	334	92.00	23328	135.00	1232	187.00	83
47.00	7574	93.00	36816	136.00	167	189.00	147
48.00	3108	94.00	103528	137.00	1580	191.00	222
49.00	23608	95.00	1074176	138.00	50	192.00	142
50.00	130592	96.00	75464	139.00	130	193.00	281
51.00	37400	97.00	2680	140.00	508	194.00	27
52.00	1233	98.00	126	141.00	6663	195.00	173
55.00	1122	100.00	52	142.00	1046	196.00	51
56.00	7604	102.00	140	143.00	6854	206.00	130
57.00	18272	103.00	239	144.00	486	208.00	171
58.00	287	104.00	3260	145.00	507	209.00	519
60.00	4980	105.00	1239	146.00	1265	210.00	362
61.00	29128	106.00	3242	147.00	199	216.00	74
62.00	30112	107.00	1124	148.00	1814	218.00	105
63.00	23880	109.00	390	149.00	704	220.00	193
64.00	1629	110.00	187	150.00	530	221.00	252
66.00	91	111.00	617	151.00	73	232.00	285
67.00	1869	112.00	353	152.00	675	234.00	75
68.00	82824	113.00	503	153.00	924	236.00	65
69.00	82016	115.00	621	154.00	613	238.00	140
70.00	6280	116.00	2442	155.00	2324	239.00	138
71.00	50	117.00	1773	156.00	197	241.00	54
72.00	3824	118.00	2482	157.00	2248	247.00	10
73.00	32976	119.00	2323	158.00	444	249.00	94

Report Date: 24-Feb-2014 11:38:07 Chrom Revision: 2.2 06-Feb-2014 15:19:06
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_001.D\TO15_LLNJ_TO3_G.rslt\spectra.d
Injection Date: 21-Feb-2014 11:00:30
Spectrum: Tune Spec: Scans 110-112(5.67-5.68) Bgrd 100(5.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 156

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	131968	120.00	28	159.00	915	251.00	271
75.00	428032	121.00	190	160.00	173	252.00	57
76.00	33712	122.00	91	161.00	1335	255.00	74
77.00	4946	123.00	280	163.00	47	256.00	129
78.00	3250	124.00	565	166.00	65	263.00	56
79.00	17080	125.00	195	169.00	61	265.00	69

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6099_001.d				
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	11-Feb-2014 16:00:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0006099-001				
Misc. Info.:	BFB				
Operator ID:	PAD	Instrument ID:	CHW.i		
Method:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15_LLNJ_TO3_W_(v1).m				
Limit Group:	AI_TO15_ICAL				
Last Update:	12-Feb-2014 12:46:49	Calib Date:	12-Feb-2014 00:55:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK048				
First Level Reviewer: lyonsb		Date:	12-Feb-2014 12:46:49		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
13 BFB								
* 43 Chlorobromomethane	128	12.852						
* 54 1,4-Difluorobenzene	114	14.745						
* 76 Chlorobenzene-d5	117	20.443						
$ 87 4-Bromofluorobenzene	95	22.444						

Report Date: 12-Feb-2014 12:46:50 Chrom Revision: 2.1 15-Jan-2014 14:06:26

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6099_001.d

Injection Date: 11-Feb-2014 16:00:30 Instrument ID: CHW.i

Lims ID: BFB Lab Sample ID:

Client ID:

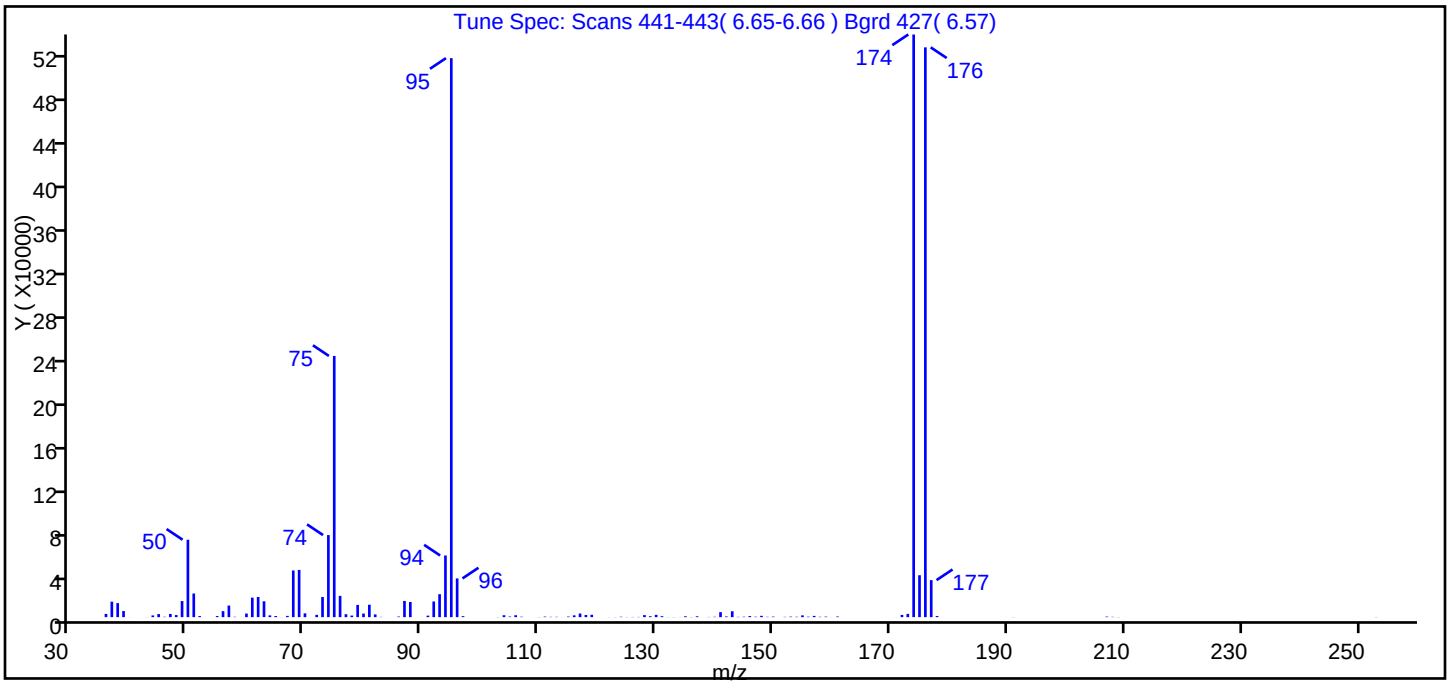
Operator ID: PAD ALS Bottle#: 1 Worklist Smp#: 1

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

Tune Method: BFB Method TO-15

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	13.80
75	30.00 - 66.00% of mass 95	46.70
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.60 (0.60)
174	50.00 - 120.00% of mass 95	104.20
175	4.00 - 9.00% of mass 174	7.50 (7.20)
176	93.00 - 101.00% of mass 174	101.90 (97.80)
177	5.00 - 9.00% of mass 176	6.60 (6.50)

Report Date: 12-Feb-2014 12:46:50 Chrom Revision: 2.1 15-Jan-2014 14:06:26

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6099_001.d\TO15_LLNJ_TO3_W_(v1).rslt\spectra.d
Injection Date: 11-Feb-2014 16:00:30
Spectrum: Tune Spec: Scans 441-443(6.65-6.66) Bgrd 427(6.57)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2973	71.00	52	112.00	282	145.00	383
37.00	14243	72.00	2103	113.00	308	146.00	989
38.00	12893	73.00	18496	114.00	51	147.00	384
39.00	5605	74.00	75440	115.00	521	148.00	1222
40.00	37	75.00	240064	116.00	1649	149.00	298
43.00	84	76.00	19544	117.00	3350	150.00	493
44.00	1576	77.00	2681	118.00	1970	152.00	268
45.00	2833	78.00	1433	119.00	2172	153.00	480
46.00	337	79.00	11232	122.00	68	154.00	351
47.00	2955	80.00	3295	123.00	108	155.00	1616
48.00	1917	81.00	11418	124.00	364	156.00	428
49.00	14784	82.00	2494	125.00	134	157.00	1135
50.00	71152	83.00	232	126.00	180	158.00	339
51.00	21728	86.00	559	127.00	203	159.00	498
52.00	969	87.00	14891	128.00	1887	160.00	55
55.00	995	88.00	13928	129.00	835	161.00	581
56.00	5523	91.00	1374	130.00	2115	171.00	54
57.00	10632	92.00	14389	131.00	891	172.00	2014
58.00	324	93.00	21096	132.00	93	173.00	2988
60.00	3313	94.00	56664	133.00	127	174.00	535552
61.00	17928	95.00	513792	134.00	71	175.00	38536
62.00	18520	96.00	35592	135.00	806	176.00	523712
63.00	14591	97.00	911	136.00	144	177.00	34032
64.00	1614	103.00	141	137.00	771	178.00	1020
65.00	1027	104.00	1756	139.00	172	191.00	132
66.00	69	105.00	525	140.00	323	207.00	513
67.00	1159	106.00	1751	141.00	4581	208.00	274
68.00	42896	107.00	391	142.00	643	209.00	124
69.00	43408	110.00	128	143.00	5401	253.00	142
70.00	3488	111.00	507	144.00	274		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_001.d				
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	24-Feb-2014 10:20:30	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	200-0006282-001				
Misc. Info.:	BFB				
Operator ID:	bl	Instrument ID:	CHW.i		
Method:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m				
Limit Group:	AI_TO15_ICAL				
Last Update:	24-Feb-2014 10:58:22	Calib Date:	12-Feb-2014 00:55:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK024				
First Level Reviewer: lyonsb		Date:	24-Feb-2014 10:56:58		

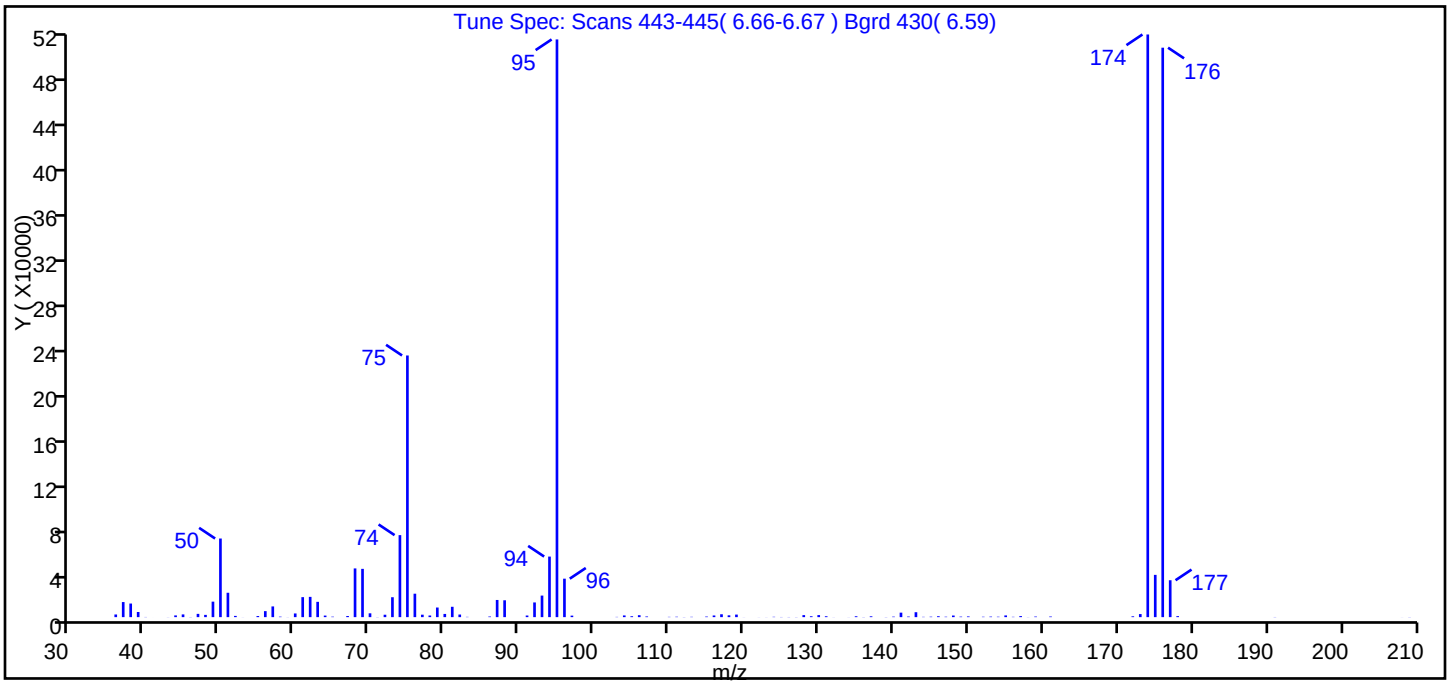
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
13 BFB								
* 43 Chlorobromomethane	128		12.852					
* 54 1,4-Difluorobenzene	114		14.745					
* 76 Chlorobenzene-d5	117		20.443					
$ 87 4-Bromofluorobenzene	95		22.444					

MS Tune Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_001.d				
Injection Date:	24-Feb-2014 10:20:30	Instrument ID:	CHW.i		
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Operator ID:	bl	ALS Bottle#:	1	Worklist Smp#:	1
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Tune Method:	BFB Method TO-15				

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	13.60
75	30.00 - 66.00% of mass 95	45.30
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.50 (0.50)
174	50.00 - 120.00% of mass 95	100.90
175	4.00 - 9.00% of mass 174	7.30 (7.30)
176	93.00 - 101.00% of mass 174	98.60 (97.70)
177	5.00 - 9.00% of mass 176	6.40 (6.50)

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_001.d\TO15_LLNJ_TO3_W_(v1).rslt\spectra.d
Injection Date: 24-Feb-2014 10:20:30
Spectrum: Tune Spec: Scans 443-445(6.66-6.67) Bgrd 430(6.59)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 116

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2371	68.00	43416	106.00	1733	141.00	4005
37.00	13432	69.00	43024	107.00	588	142.00	517
38.00	12120	70.00	3412	110.00	252	143.00	4393
39.00	4583	71.00	110	111.00	362	144.00	267
40.00	160	72.00	2150	112.00	122	145.00	411
41.00	11	73.00	17744	113.00	280	146.00	814
43.00	75	74.00	73080	115.00	520	147.00	375
44.00	1538	75.00	233152	116.00	1482	148.00	1441
45.00	2437	76.00	20888	117.00	2567	149.00	456
46.00	134	77.00	2189	118.00	1626	150.00	633
47.00	2922	78.00	1460	119.00	2280	152.00	355
48.00	2017	79.00	8574	120.00	52	153.00	480
49.00	13809	80.00	2864	122.00	55	154.00	376
50.00	70056	81.00	9228	123.00	60	155.00	1525
51.00	21720	82.00	2326	124.00	298	156.00	284
52.00	1107	83.00	245	125.00	144	157.00	932
53.00	50	86.00	555	126.00	138	158.00	87
55.00	977	87.00	15298	127.00	115	159.00	522
56.00	5348	88.00	15020	128.00	1795	161.00	545
57.00	9549	91.00	1446	129.00	780	172.00	738
58.00	428	92.00	13099	130.00	1815	173.00	2734
59.00	73	93.00	19216	131.00	795	174.00	519168
60.00	3285	94.00	53968	132.00	60	175.00	37664
61.00	17816	95.00	514752	134.00	61	176.00	507392
62.00	18064	96.00	34280	135.00	783	177.00	32880
63.00	13632	97.00	1352	136.00	125	178.00	892
64.00	1392	103.00	217	137.00	732	191.00	137
65.00	412	104.00	1512	139.00	124	208.00	40
67.00	1006	105.00	797	140.00	453	209.00	113

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: MB 200-68679/4

Matrix: Air Lab File ID: 6267_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50	U	0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.20	U	0.20	0.030
76-13-1	Freon 113	187.38	0.20	U	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.0	U	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: MB 200-68679/4

Matrix: Air Lab File ID: 6267_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.20	U	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.023
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: MB 200-68679/4

Matrix: Air Lab File ID: 6267_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: MB 200-68679/4

Matrix: Air Lab File ID: 6267_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	U	2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.1	U	1.1	0.17
76-13-1	Freon 113	187.38	1.5	U	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12	U	12	3.0
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: MB 200-68679/4

Matrix: Air Lab File ID: 6267_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.10
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: MB 200-68679/4

Matrix: Air Lab File ID: 6267_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_004.D
Lims ID: MB Lab Sample ID: MB 200-68745/4-A
Client ID:
Sample Type: MB
Inject. Date: 21-Feb-2014 13:23:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006267-004
Misc. Info.: mb
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:38:08 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		3.057					
2 Dichlorodifluoromethane	85		3.127					
3 Difluoroethane TIC	51		3.150					
4 Chlorotrifluoroethene TIC	116		3.162					
5 Freon 115 TIC	85		3.180					
6 Chlorodifluoromethane	51		3.181					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.405					
8 Chloromethane	50		3.539					
9 Butane	43		3.758					
10 Vinyl chloride	62		3.796					
11 Butadiene	54		3.876					
12 Bromomethane	94		4.577					
14 Chloroethane	64		4.828					
15 2-Methylbutane	43		4.919					
16 Vinyl bromide	106		5.229					
17 Trichlorofluoromethane	101		5.347					
18 Pentane	43		5.508					
19 Ethanol	45		5.925					
20 1,1,1-Trifluoro-2,2-dichloroetha	83		6.000					
21 Ethyl ether	59		6.037					
22 Acrolein	56		6.406					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.476					
24 1,1-Dichloroethene	96		6.497					
25 Acetone	43		6.717					
26 Carbon disulfide	76		6.883					
27 Isopropyl alcohol	45		7.038					
28 Methyl Acetate TIC	43		7.200					
29 3-Chloro-1-propene	41		7.300					
30 Acetonitrile	41		7.401					
31 Methylene Chloride	49		7.599					
32 2-Methyl-2-propanol	59		7.835					
33 Methyl tert-butyl ether	73		8.038					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	34 trans-1,2-Dichloroethene	61		8.059						
	35 Acrylonitrile	53		8.182						
	36 Hexane	57		8.493						
	37 1,1-Dichloroethane	63		8.947						
	38 Vinyl acetate	43		9.044						
	39 cis-1,2-Dichloroethene	96		10.087						
	40 2-Butanone (MEK)	72		10.135						
S	41 1,2-Dichloroethene, Total	61		10.200						
	42 Ethyl acetate	88		10.215						
*	43 Chlorobromomethane	128	10.558	10.563	-0.005	68	686763		10.0	
	44 Tetrahydrofuran	42		10.579						
	45 Chloroform	83		10.702						
	46 Cyclohexane	84		10.991						
	47 1,1,1-Trichloroethane	97		11.002						
	48 Carbon tetrachloride	117		11.269						
	49 Methyl cyclohexane TIC	55		11.500						
	50 Benzene	78		11.740						
	51 Isooctane	57		11.761						
	52 1,2-Dichloroethane	62		11.911						
	53 n-Heptane	43		12.168						
*	54 1,4-Difluorobenzene	114	12.623	12.623	0.0	91	3980816		10.0	
	55 n-Butanol	56		13.019						
	56 Trichloroethene	95		13.110						
A	57 GRO	1	13.294	4.909 -	21.679	0	1156155		0	
	58 1,2-Dichloropropane	63		13.682						
	59 Methyl methacrylate	69		13.880						
	60 1,4-Dioxane	88		13.917						
	61 Dibromomethane	174		13.939						
	62 Dichlorobromomethane	83		14.249						
A	63 TVOC as Toluene	1	15.022	3.047 -	26.997	0	1317987		4.52	
	64 cis-1,3-Dichloropropene	75		15.228						
	65 4-Methyl-2-pentanone (MIBK)	43		15.528						
	66 Toluene	92		15.849						
A	67 Toluene Range	1	15.849	15.809	-15.889	0	7729	NC		
	69 n-Octane	43		15.961						
A	68 C8 Range	1	15.966	15.911	-16.011	0	10250	NC		
	70 trans-1,3-Dichloropropene	75		16.437						
	71 1,1,2-Trichloroethane	83		16.812						
	72 Tetrachloroethene	166		16.961						
	73 2-Hexanone	43		17.282						
	74 Chlorodibromomethane	129		17.587						
	75 Ethylene Dibromide	107		17.860						
*	76 Chlorobenzene-d5	117	18.786	18.786	0.0	81	3816866		10.0	
	77 Chlorobenzene	112		18.844						
	78 Ethylbenzene	91		19.016						
	79 n-Nonane	57		19.181						
	80 m-Xylene & p-Xylene	106		19.272						
	81 1,2-Dibromo-3-Chloropropane TIC	75		19.300						
S	82 Xylenes, Total	106		20.100						
	83 o-Xylene	106		20.102						
	84 Styrene	104		20.144						
	85 Bromoform	173		20.530						

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	86 Isopropylbenzene		105		20.765					
$	87 4-Bromofluorobenzene		95	21.113	21.107	0.006	98		1697944	NC
	88 1,1,2,2-Tetrachloroethane		83		21.364					
	89 1,2,3-Trichloropropane		75		21.460					
	90 N-Propylbenzene		91		21.471					
	92 2-Chlorotoluene		91		21.653					
	91 4-Ethyltoluene		105		21.653					
	93 n-Decane		57		21.669					
	94 1,3,5-Trimethylbenzene		105		21.760					
	95 Alpha Methyl Styrene		118		22.113					
	96 tert-Butylbenzene		119		22.242					
	97 1,2,4-Trimethylbenzene		105		22.332					
	98 sec-Butylbenzene		105		22.562					
	99 4-Isopropyltoluene		119		22.760					
	100 1,3-Dichlorobenzene		146		22.776					
	101 1,4-Dichlorobenzene		146		22.910					
	102 Benzyl chloride		91		23.103					
	103 n-Butylbenzene		91		23.338					
	104 Undecane		57		23.381					
	105 1,2-Dichlorobenzene		146		23.451					
	106 Dodecane		57		25.007					
	107 1,2,4-Trichlorobenzene		180		26.013					
	108 Hexachlorobutadiene		225		26.227					
	109 Naphthalene		128		26.505					
	110 1,2,3-Trichlorobenzene		180		26.987					

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

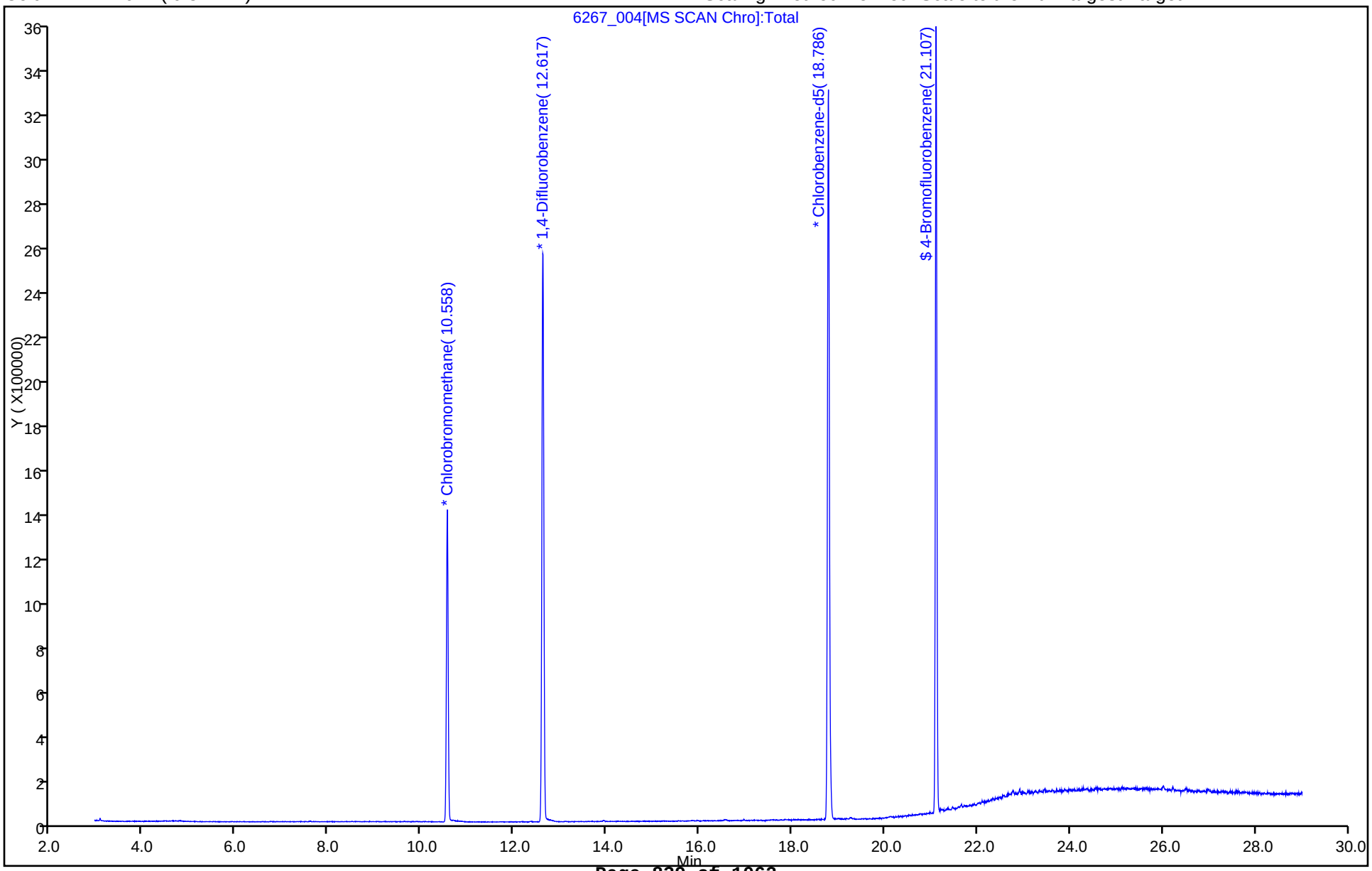
Report Date: 24-Feb-2014 11:38:11 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_004.D

Injection Date:	21-Feb-2014 13:23:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	MB	Lab Sample ID:	MB 200-68745/4-A	Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: MB 200-68730/4

Matrix: Air Lab File ID: 6282_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 13:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	0.50	U	0.50	0.030
75-45-6	Freon 22	86.47	0.50	U	0.50	0.048
76-14-2	Freon-114	170.92	0.20	U	0.20	0.035
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.14
106-97-8	n-Butane	58.12	0.50	U	0.50	0.28
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.038
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.042
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.028
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.030
593-60-2	Vinyl bromide	106.96	0.20	U	0.20	0.030
75-69-4	Freon 11	137.37	0.20	U	0.20	0.030
76-13-1	Freon 113	187.38	0.20	U	0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.024
67-64-1	Acetone	58.08	5.0	U	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.066
107-05-1	Allyl chloride	76.53	0.50	U	0.50	0.034
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.029
110-54-3	Hexane	86.17	0.20	U	0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.064
67-66-3	Chloroform	119.38	0.20	U	0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.021
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.027
71-43-2	Benzene	78.11	0.20	U	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.017
142-82-5	Heptane	100.21	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: MB 200-68730/4

Matrix: Air Lab File ID: 6282_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 13:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.024
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.032
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.027
108-88-3	Toluene	92.14	0.20	U	0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.017
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.020
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.0081
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.023
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.034
100-42-5	Styrene	104.15	0.20	U	0.20	0.018
75-25-2	Bromoform	252.75	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.016
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.014
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	0.0272	J	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.0353	J	0.20	0.014
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.080
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: MB 200-68730/4

Matrix: Air Lab File ID: 6282_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 13:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	0.20	U	0.20	0.022
91-20-3	Naphthalene	128.17	0.50	U	0.50	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: MB 200-68730/4

Matrix: Air Lab File ID: 6282_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 13:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	2.5	U	2.5	0.15
75-45-6	Freon 22	86.47	1.8	U	1.8	0.17
76-14-2	Freon-114	170.92	1.4	U	1.4	0.24
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.28
106-97-8	n-Butane	58.12	1.2	U	1.2	0.67
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.097
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.093
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.11
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.079
593-60-2	Vinyl bromide	106.96	0.87	U	0.87	0.13
75-69-4	Freon 11	137.37	1.1	U	1.1	0.17
76-13-1	Freon 113	187.38	1.5	U	1.5	0.14
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.095
67-64-1	Acetone	58.08	12	U	12	3.0
67-63-0	Isopropyl alcohol	60.10	12	U	12	0.53
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.21
107-05-1	Allyl chloride	76.53	1.6	U	1.6	0.11
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	15	U	15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.11
110-54-3	Hexane	86.17	0.70	U	0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.25
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	15	U	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.13
71-43-2	Benzene	78.11	0.64	U	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.069
142-82-5	Heptane	100.21	0.82	U	0.82	0.19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: MB 200-68730/4

Matrix: Air Lab File ID: 6282_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 13:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.12
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.15
123-91-1	1,4-Dioxane	88.11	18	U	18	0.72
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.11
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	0.11
108-88-3	Toluene	92.14	0.75	U	0.75	0.064
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.10
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.093
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.82
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.15
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.037
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.056
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.10
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.15
100-42-5	Styrene	104.15	0.85	U	0.85	0.077
75-25-2	Bromoform	252.75	2.1	U	2.1	0.10
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.11
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.39
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.059
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.093
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.069
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.44
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	0.163	J	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	0.212	J	1.2	0.084
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.41
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: MB 200-68730/4

Matrix: Air Lab File ID: 6282_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 13:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	0.20
87-68-3	Hexachloro-1,3-butadiene	260.76	2.1	U	2.1	0.23
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_004.d
Lims ID: MB Lab Sample ID: MB 200-68730/4-A
Client ID:
Sample Type: MB
Inject. Date: 24-Feb-2014 13:46:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006282-004
Misc. Info.: MB
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 25-Feb-2014 11:16:21 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 25-Feb-2014 11:14:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
3 Difluoroethane TIC	51		3.150					
4 Chlorotrifluoroethene TIC	116		3.162					
5 Freon 115 TIC	85		3.180					
1 Propene	41		4.367					
2 Dichlorodifluoromethane	85		4.463					
6 Chlorodifluoromethane	51		4.528					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.816					
8 Chloromethane	50		5.009					
9 Butane	43		5.276					
10 Vinyl chloride	62		5.335					
11 Butadiene	54		5.432					
20 1,1,1-Trifluoro-2,2-dichloroetha	83		6.000					
12 Bromomethane	94		6.298					
14 Chloroethane	64		6.587					
15 2-Methylbutane	43		6.673					
16 Vinyl bromide	106		7.063					
17 Trichlorofluoromethane	101		7.181					
28 Methyl Acetate TIC	43		7.200					
18 Pentane	43		7.347					
19 Ethanol	45		7.796					
21 Ethyl ether	59		7.935					
22 Acrolein	56		8.395					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.433					
24 1,1-Dichloroethene	96		8.508					
25 Acetone	43		8.743					
26 Carbon disulfide	76		8.995					
27 Isopropyl alcohol	45		9.027					
29 3-Chloro-1-propene	41		9.401					
30 Acetonitrile	41		9.530					
31 Methylene Chloride	49		9.727					
32 2-Methyl-2-propanol	59		9.904					

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response			On-Col Amt ppb v/v	Flags
	33 Methyl tert-butyl ether	73		10.155						
S	41 1,2-Dichloroethene, Total	61		10.200						
	34 trans-1,2-Dichloroethene	61		10.230						
	35 Acrylonitrile	53		10.380						
	36 Hexane	57		10.648						
	37 1,1-Dichloroethane	63		11.193						
	38 Vinyl acetate	43		11.236						
	49 Methyl cyclohexane TIC	55		11.500						
	39 cis-1,2-Dichloroethene	96		12.370						
	40 2-Butanone (MEK)	72		12.386						
	42 Ethyl acetate	88		12.408						
	44 Tetrahydrofuran	42		12.846						
*	43 Chlorobromomethane	128	12.852	12.857	-0.005	69	450039		10.0	
	45 Chloroform	83		12.964						
	46 Cyclohexane	84		13.258						
	47 1,1,1-Trichloroethane	97		13.274						
	48 Carbon tetrachloride	117		13.531						
	51 Isooctane	57		13.922						
	50 Benzene	78		13.980						
	52 1,2-Dichloroethane	62		14.141						
	53 n-Heptane	43		14.269						
*	54 1,4-Difluorobenzene	114	14.740	14.745	-0.005	92	2201278		10.0	
A	57 GRO	1	14.764	6.663 -	22.866	0	351444		0	
	55 n-Butanol	56		15.024						
	56 Trichloroethene	95		15.206						
	58 1,2-Dichloropropane	63		15.730						
	59 Methyl methacrylate	69		15.810						
	60 1,4-Dioxane	88		15.901						
	61 Dibromomethane	174		15.971						
	62 Dichlorobromomethane	83		16.217						
A	63 TVOC as Toluene	1	16.623	4.357 -	28.889	0	789450		4.95	
	64 cis-1,3-Dichloropropene	75		17.083						
	65 4-Methyl-2-pentanone (MIBK)	43		17.319						
	69 n-Octane	43		17.656						
A	68 C8 Range	1	17.670	17.634	-17.706	0	3051	NC		
	66 Toluene	92		17.656						
A	67 Toluene Range	1	17.656	17.616	-17.696	0	7519	NC		
	70 trans-1,3-Dichloropropene	75		18.191						
	71 1,1,2-Trichloroethane	83		18.554						
	72 Tetrachloroethene	166		18.699						
	73 2-Hexanone	43		18.945						
	81 1,2-Dibromo-3-Chloropropane TIC	75		19.300						
	74 Chlorodibromomethane	129		19.314						
	75 Ethylene Dibromide	107		19.598						
S	82 Xylenes, Total	106		20.100						
*	76 Chlorobenzene-d5	117	20.443	20.443	0.0	83	1928409		10.0	
	77 Chlorobenzene	112		20.496						
	78 Ethylbenzene	91		20.614						
	79 n-Nonane	57		20.673						
	80 m-Xylene & p-Xylene	106		20.833						
	83 o-Xylene	106		21.545						
	84 Styrene	104		21.582						

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response		On-Col Amt ppb v/v		Flags
	85 Bromoform	173		21.957						
	86 Isopropylbenzene	105		22.107						
$	87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1247711	NC		
	88 1,1,2,2-Tetrachloroethane	83		22.668						
	90 N-Propylbenzene	91		22.743						
	89 1,2,3-Trichloropropane	75		22.770						
	93 n-Decane	57		22.856						
	91 4-Ethyltoluene	105		22.909						
	92 2-Chlorotoluene	91		22.941						
	94 1,3,5-Trimethylbenzene	105		23.000						
	95 Alpha Methyl Styrene	118		23.348						
	96 tert-Butylbenzene	119		23.476						
	97 1,2,4-Trimethylbenzene	105		23.567						
	98 sec-Butylbenzene	105		23.808						
	99 4-Isopropyltoluene	119		24.011						
	100 1,3-Dichlorobenzene	146	24.081	24.081	0.0	62	7447	0.0272		7
	101 1,4-Dichlorobenzene	146	24.220	24.225	-0.005	61	9008	0.0353		
	102 Benzyl chloride	91		24.434						
	104 Undecane	57		24.626						
	103 n-Butylbenzene	91		24.648						
	105 1,2-Dichlorobenzene	146		24.830						
	106 Dodecane	57		26.435						
	107 1,2,4-Trichlorobenzene	180		27.729						
	108 Hexachlorobutadiene	225		27.932						
	109 Naphthalene	128		28.312						
	110 1,2,3-Trichlorobenzene	180		28.879						

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

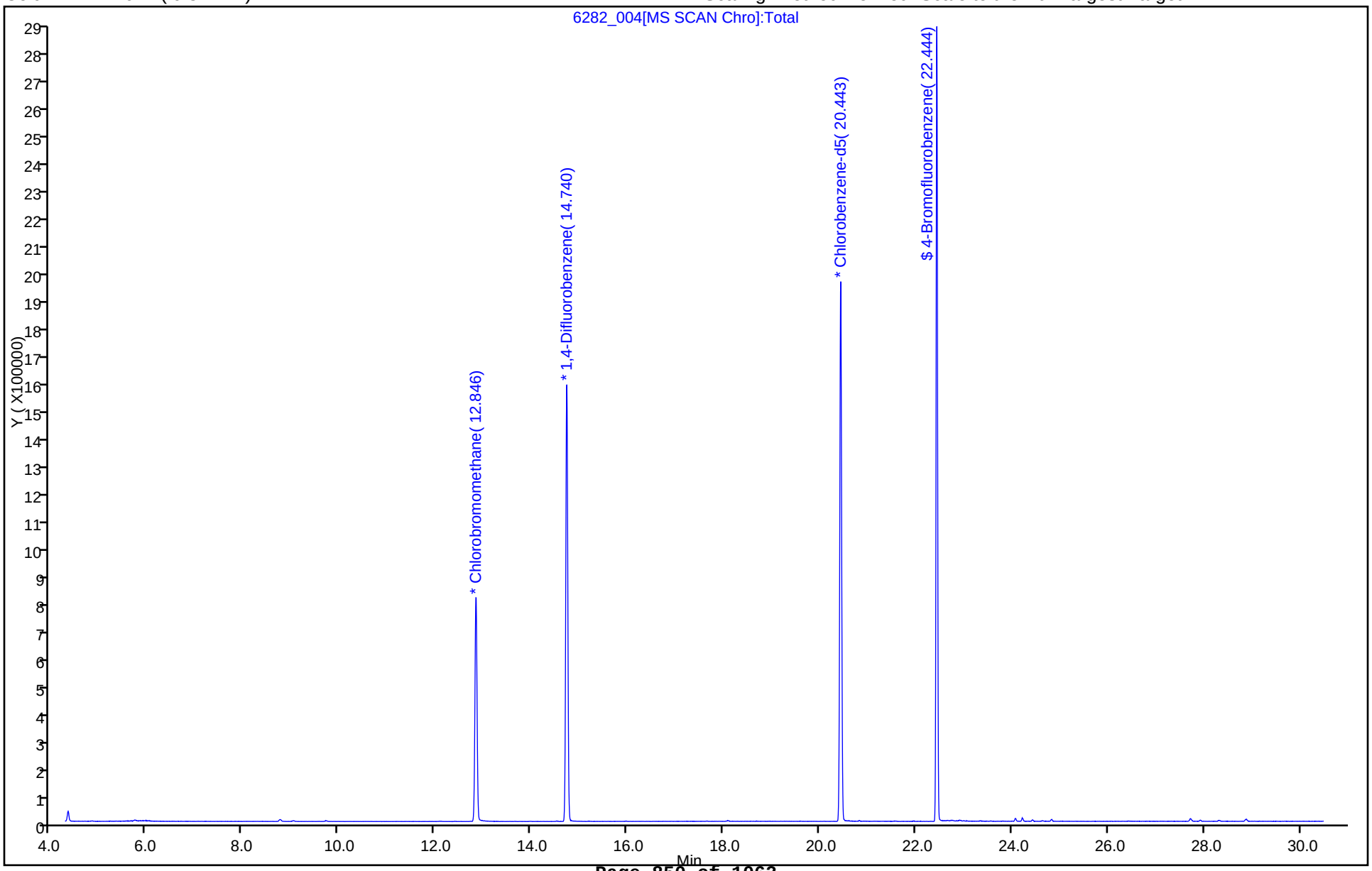
Report Date: 25-Feb-2014 11:17:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_004.d

Injection Date:	24-Feb-2014 13:46:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	MB	Lab Sample ID:	MB 200-68730/4-A	Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



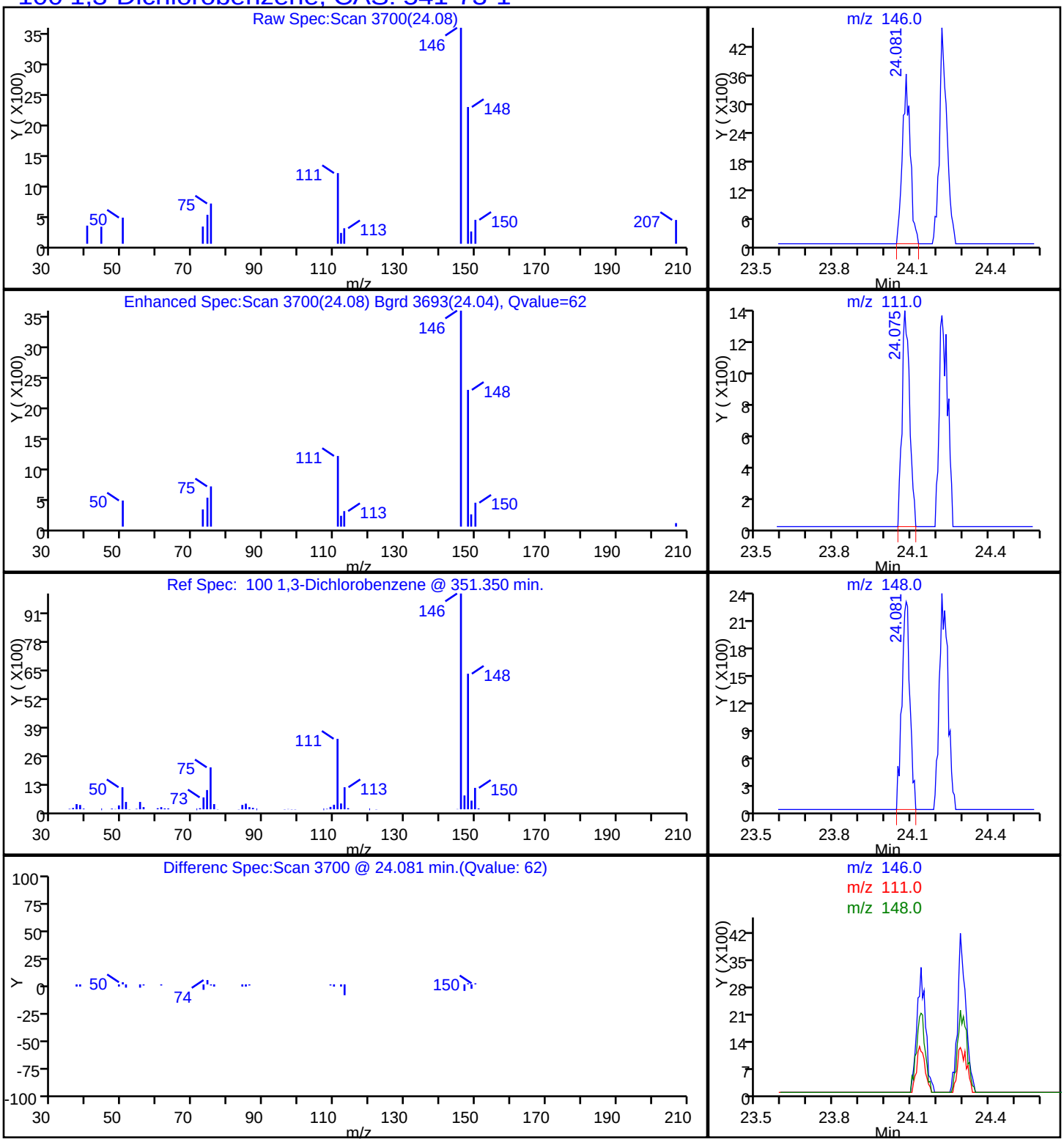
Report Date: 25-Feb-2014 11:17:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_004.d

Injection Date:	24-Feb-2014 13:46:30	Instrument ID:	CHW.i		
Lims ID:	MB	Lab Sample ID:	MB 200-68730/4-A		
Client ID:					
Operator ID:	bl	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



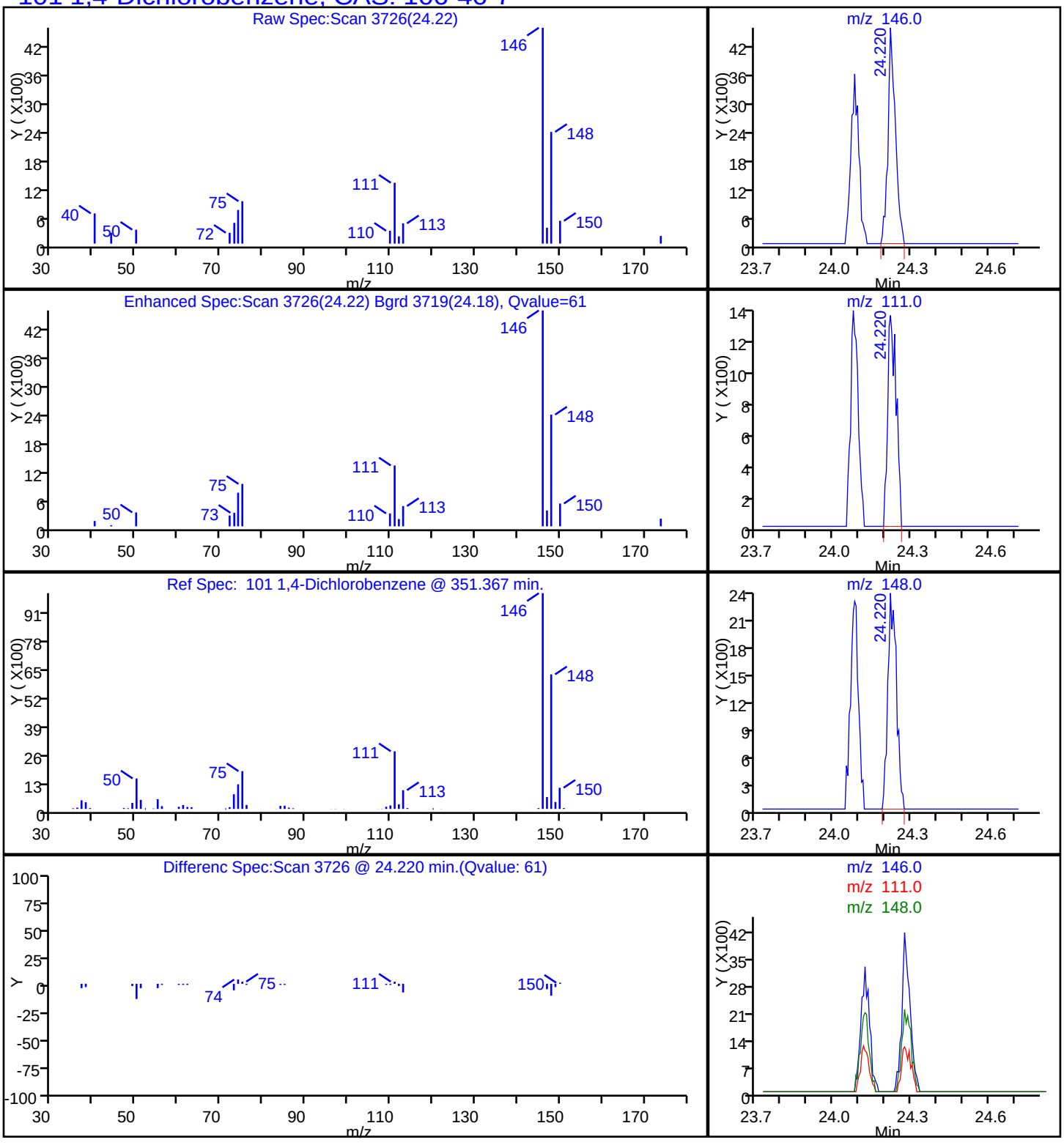
Report Date: 25-Feb-2014 11:17:20 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_004.d

Injection Date:	24-Feb-2014 13:46:30	Instrument ID:	CHW.i		
Lims ID:	MB	Lab Sample ID:	MB 200-68730/4-A		
Client ID:					
Operator ID:	bl	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

101 1,4-Dichlorobenzene, CAS: 106-46-7



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: LCS 200-68679/3

Matrix: Air Lab File ID: 6267_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 12:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	8.98		0.50	0.030
75-45-6	Freon 22	86.47	8.83		0.50	0.048
76-14-2	Freon-114	170.92	9.89		0.20	0.035
74-87-3	Chloromethane	50.49	8.50		0.50	0.14
106-97-8	n-Butane	58.12	8.85		0.50	0.28
75-01-4	Vinyl chloride	62.50	8.30		0.040	0.038
106-99-0	1,3-Butadiene	54.09	8.47		0.20	0.042
74-83-9	Bromomethane	94.94	9.02		0.20	0.028
75-00-3	Chloroethane	64.52	8.92		0.50	0.030
593-60-2	Vinyl bromide	106.96	9.04		0.20	0.030
75-69-4	Freon 11	137.37	8.79		0.20	0.030
76-13-1	Freon 113	187.38	9.04		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	8.79		0.20	0.024
67-64-1	Acetone	58.08	11.2		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	7.72		5.0	0.22
75-15-0	Carbon disulfide	76.14	10.2		0.50	0.066
107-05-1	Allyl chloride	76.53	8.56		0.50	0.034
75-09-2	Methylene Chloride	84.93	8.89		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	8.24		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	9.10		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	9.62		0.20	0.029
110-54-3	Hexane	86.17	9.59		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	9.09		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	8.96		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	8.92		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	18.5		0.20	0.064
67-66-3	Chloroform	119.38	9.06		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	9.27		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	9.11		0.20	0.021
110-82-7	Cyclohexane	84.16	9.16		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	9.01		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	9.02		0.20	0.027
71-43-2	Benzene	78.11	9.03		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	9.05		0.20	0.017
142-82-5	Heptane	100.21	8.72		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: LCS 200-68679/3

Matrix: Air Lab File ID: 6267_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 12:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	8.88		0.040	0.024
80-62-6	Methyl methacrylate	100.12	9.86		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	9.10		0.20	0.032
123-91-1	1,4-Dioxane	88.11	8.27		5.0	0.20
75-27-4	Bromodichloromethane	163.83	9.43		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	9.53		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	9.16		0.50	0.027
108-88-3	Toluene	92.14	9.06		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	9.56		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	9.05		0.20	0.017
127-18-4	Tetrachloroethene	165.83	8.97		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.24		0.50	0.20
124-48-1	Dibromochloromethane	208.29	9.38		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	9.47		0.20	0.020
108-90-7	Chlorobenzene	112.56	9.21		0.20	0.0081
100-41-4	Ethylbenzene	106.17	9.13		0.20	0.013
179601-23-1	m,p-Xylene	106.17	18.2		0.50	0.023
95-47-6	Xylene, o-	106.17	8.98		0.20	0.016
1330-20-7	Xylene (total)	106.17	27.2		0.20	0.034
100-42-5	Styrene	104.15	9.67		0.20	0.018
75-25-2	Bromoform	252.75	9.91		0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.17		0.20	0.016
103-65-1	n-Propylbenzene	120.19	9.19		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	9.45		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	9.06		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	9.02		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	8.91		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	9.21		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	9.09		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	9.26		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	9.97		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	10.0		0.20	0.014
100-44-7	Benzyl chloride	126.58	9.43		0.20	0.080
104-51-8	n-Butylbenzene	134.22	9.42		0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: LCS 200-68679/3

Matrix: Air Lab File ID: 6267_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/21/2014 12:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68679 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.72		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	9.29		0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	12.1		0.20	0.022
91-20-3	Naphthalene	128.17	8.79		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_003.D
Lims ID: LCS Lab Sample ID: LCS 200-68745/3-A
Client ID:
Sample Type: LCS
Inject. Date: 21-Feb-2014 12:36:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006267-003
Misc. Info.: lcs
Operator ID: bl Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 11:38:08 Calib Date: 20-Feb-2014 21:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	3.058	3.057	0.001	96	243986	8.49	
2 Dichlorodifluoromethane	85	3.127	3.127	0.0	99	1981614	8.98	
6 Chlorodifluoromethane	51	3.181	3.181	0.001	94	733422	8.83	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.405	3.405	0.0	93	1868207	9.89	
8 Chloromethane	50	3.539	3.539	0.0	99	356186	8.50	
9 Butane	43	3.758	3.758	0.0	97	488687	8.85	
10 Vinyl chloride	62	3.796	3.796	0.0	97	476424	8.30	
11 Butadiene	54	3.882	3.876	0.006	92	283580	8.47	
12 Bromomethane	94	4.577	4.577	0.0	99	737200	9.02	
14 Chloroethane	64	4.828	4.828	0.0	100	203311	8.92	
15 2-Methylbutane	43	4.925	4.919	0.006	86	341395	9.44	
16 Vinyl bromide	106	5.235	5.229	0.006	97	801910	9.04	
17 Trichlorofluoromethane	101	5.353	5.347	0.006	98	2215052	8.79	
18 Pentane	43	5.508	5.508	0.0	94	549589	9.83	
13 BFB								
19 Ethanol	45	5.925	5.925	0.0	96	197116	14.7	
21 Ethyl ether	59	6.043	6.037	0.006	95	278451	9.89	
22 Acrolein	56	6.401	6.406	-0.005	96	144619	10.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.476	6.476	0.0	94	1429877	9.04	
24 1,1-Dichloroethene	96	6.498	6.497	0.001	93	588337	8.79	
25 Acetone	43	6.722	6.717	0.005	86	689046	11.2	
26 Carbon disulfide	76	6.883	6.883	0.001	98	1671049	10.2	
27 Isopropyl alcohol	45	7.038	7.038	0.0	98	384775	7.72	
29 3-Chloro-1-propene	41	7.305	7.300	0.005	82	378409	8.56	
30 Acetonitrile	41	7.402	7.401	0.001	98	215169	9.04	
31 Methylene Chloride	49	7.600	7.599	0.001	80	441695	8.89	
32 2-Methyl-2-propanol	59	7.840	7.835	0.005	98	729916	8.24	
33 Methyl tert-butyl ether	73	8.038	8.038	0.0	94	1432460	9.10	
34 trans-1,2-Dichloroethene	61	8.065	8.059	0.006	87	703167	9.62	
35 Acrylonitrile	53	8.188	8.182	0.006	93	253911	9.45	
36 Hexane	57	8.493	8.493	0.0	91	566123	9.59	
37 1,1-Dichloroethane	63	8.948	8.947	0.001	99	940883	9.09	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
	38 Vinyl acetate	43	9.044	9.044 0.0	99	938564	9.06	
	39 cis-1,2-Dichloroethene	96	10.087	10.087 0.0	91	808796	8.92	
	40 2-Butanone (MEK)	72	10.141	10.135 0.006	97	274814	8.96	
S	41 1,2-Dichloroethene, Total	61			0		18.5	
	42 Ethyl acetate	88	10.210	10.215 -0.005	98	47224	10.2	
*	43 Chlorobromomethane	128	10.558	10.563 -0.005	68	703205	10.0	
	44 Tetrahydrofuran	42	10.574	10.579 -0.005	81	440175	9.27	
	45 Chloroform	83	10.702	10.702 0.0	99	1820986	9.06	
	46 Cyclohexane	84	10.991	10.991 0.0	83	913242	9.16	
	47 1,1,1-Trichloroethane	97	11.002	11.002 0.0	95	2148040	9.11	
	48 Carbon tetrachloride	117	11.275	11.269 0.006	96	2708424	9.01	
	50 Benzene	78	11.740	11.740 0.0	94	2406160	9.03	
	51 Isooctane	57	11.762	11.761 0.001	98	2869315	9.02	
	52 1,2-Dichloroethane	62	11.911	11.911 0.0	99	1203371	9.05	
	53 n-Heptane	43	12.174	12.168 0.006	86	1030492	8.72	
*	54 1,4-Difluorobenzene	114	12.623	12.623 0.0	91	3992867	10.0	
	55 n-Butanol	56	13.019	13.019 0.0	85	367740	8.07	
	56 Trichloroethene	95	13.115	13.110 0.005	94	1676887	8.88	
A	57 GRO	1	13.294	4.909 - 21.679	0	386457431	0	
	58 1,2-Dichloropropane	63	13.677	13.682 -0.005	91	1141661	9.10	
	59 Methyl methacrylate	69	13.885	13.880 0.005	79	1069333	9.86	
	60 1,4-Dioxane	88	13.918	13.917 0.001	84	485204	8.27	
	61 Dibromomethane	174	13.939	13.939 0.0	92	2043492	9.69	
	62 Dichlorobromomethane	83	14.249	14.249 0.0	97	2937487	9.43	
A	63 TVOC as Toluene	1	15.022	3.047 - 26.997	0	612241451	2093.0	
	64 cis-1,3-Dichloropropene	75	15.228	15.228 0.0	87	2021509	9.53	
	65 4-Methyl-2-pentanone (MIBK)	43	15.533	15.528 0.005	93	1787531	9.16	
	66 Toluene	92	15.849	15.849 0.0	94	2782828	9.06	
	69 n-Octane	43	15.961	15.961 0.0	85	1850659	9.05	
	70 trans-1,3-Dichloropropene	75	16.443	16.437 0.006	93	2064980	9.56	
	71 1,1,2-Trichloroethane	83	16.817	16.812 0.005	94	1393066	9.05	
	72 Tetrachloroethene	166	16.967	16.961 0.006	97	2961301	8.97	
	73 2-Hexanone	43	17.288	17.282 0.006	92	1698908	9.24	
	74 Chlorodibromomethane	129	17.587	17.587 0.0	97	3725852	9.38	
	75 Ethylene Dibromide	107	17.866	17.860 0.006	99	2933216	9.47	
*	76 Chlorobenzene-d5	117	18.786	18.786 0.0	81	4193236	10.0	
	77 Chlorobenzene	112	18.850	18.844 0.006	98	4103505	9.21	
	78 Ethylbenzene	91	19.016	19.016 0.0	96	5822993	9.13	
	79 n-Nonane	57	19.182	19.181 0.001	82	2027719	8.93	
	80 m-Xylene & p-Xylene	106	19.267	19.272 -0.005	99	4745933	18.2	
S	82 Xylenes, Total	106			0		27.2	
	83 o-Xylene	106	20.096	20.102 -0.006	95	2445685	8.98	
	84 Styrene	104	20.145	20.144 0.001	97	3504437	9.67	
	85 Bromoform	173	20.530	20.530 0.0	98	3721418	9.91	
	86 Isopropylbenzene	105	20.765	20.765 0.0	94	6747193	9.00	
$	87 4-Bromofluorobenzene	95	21.108	21.107 0.001	98	2471402	NC	
	88 1,1,2,2-Tetrachloroethane	83	21.364	21.364 0.0	97	3395512	9.17	
	89 1,2,3-Trichloropropane	75	21.461	21.460 0.001	95	2243446	9.14	
	90 N-Propylbenzene	91	21.471	21.471 0.0	99	7110833	9.19	
	92 2-Chlorotoluene	91	21.653	21.653 0.0	88	4720471	9.02	
	91 4-Ethyltoluene	105	21.653	21.653 0.0	90	5948367	9.45	
	93 n-Decane	57	21.669	21.669 0.0	83	2100729	9.09	

Sig		RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
94	1,3,5-Trimethylbenzene	105	21.760	21.760	0.0	93	5641449	9.06
95	Alpha Methyl Styrene	118	22.113	22.113	0.0	90	2840197	9.96
96	tert-Butylbenzene	119	22.242	22.242	0.0	91	5632287	8.91
97	1,2,4-Trimethylbenzene	105	22.333	22.332	0.001	95	5545386	9.21
98	sec-Butylbenzene	105	22.563	22.562	0.001	99	7990387	9.09
99	4-Isopropyltoluene	119	22.761	22.760	0.001	95	6756718	9.26
100	1,3-Dichlorobenzene	146	22.777	22.776	0.001	99	3730303	9.97
101	1,4-Dichlorobenzene	146	22.910	22.910	0.0	97	3641925	10.0
102	Benzyl chloride	91	23.103	23.103	0.0	100	3630787	9.43
103	n-Butylbenzene	91	23.338	23.338	0.0	93	5413110	9.42
104	Undecane	57	23.381	23.381	0.0	91	2585565	9.60
105	1,2-Dichlorobenzene	146	23.451	23.451	0.0	99	3837422	9.72
106	Dodecane	57	25.007	25.007	0.0	92	502316	11.9
107	1,2,4-Trichlorobenzene	180	26.013	26.013	0.0	93	2057036	9.29
108	Hexachlorobutadiene	225	26.227	26.227	0.0	93	2264422	12.1
109	Naphthalene	128	26.505	26.505	0.0	99	4639219	8.79
110	1,2,3-Trichlorobenzene	180	26.987	26.987	0.0	96	2033720	11.2

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

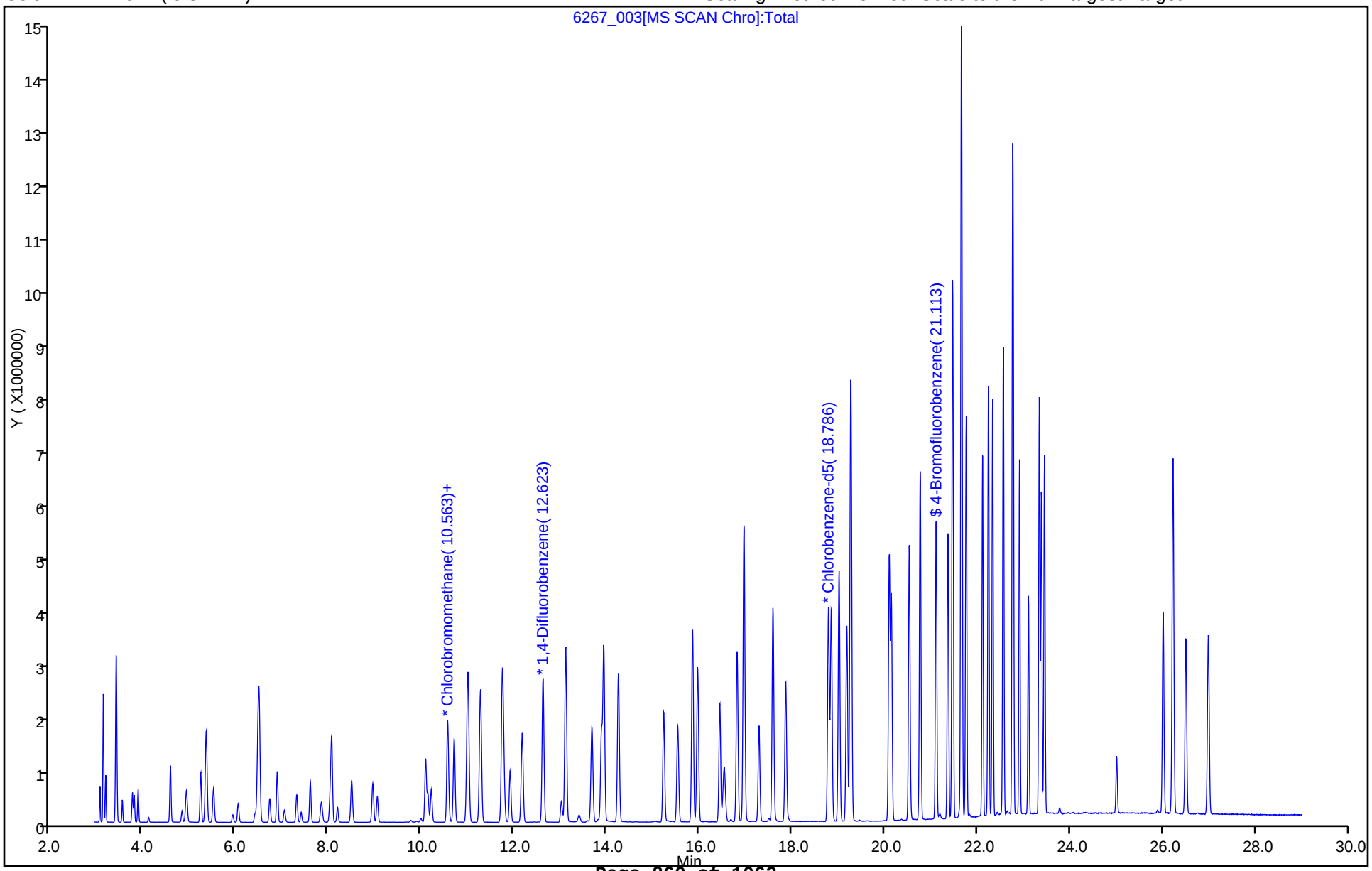
Report Date: 24-Feb-2014 11:38:09 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140221-6267.b\6267_003.D

Injection Date:	21-Feb-2014 12:36:30	Instrument ID:	CHG.i	Operator ID:	bl
Lims ID:	LCS	Lab Sample ID:	LCS 200-68745/3-A	Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: LCS 200-68730/3

Matrix: Air Lab File ID: 6282_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 12:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Freon 12	120.91	8.87		0.50	0.030
75-45-6	Freon 22	86.47	8.79		0.50	0.048
76-14-2	Freon-114	170.92	9.45		0.20	0.035
74-87-3	Chloromethane	50.49	8.46		0.50	0.14
106-97-8	n-Butane	58.12	9.17		0.50	0.28
75-01-4	Vinyl chloride	62.50	8.29		0.040	0.038
106-99-0	1,3-Butadiene	54.09	8.98		0.20	0.042
74-83-9	Bromomethane	94.94	8.31		0.20	0.028
75-00-3	Chloroethane	64.52	8.51		0.50	0.030
593-60-2	Vinyl bromide	106.96	9.15		0.20	0.030
75-69-4	Freon 11	137.37	8.59		0.20	0.030
76-13-1	Freon 113	187.38	8.70		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	9.34		0.20	0.024
67-64-1	Acetone	58.08	9.94		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	8.46		5.0	0.22
75-15-0	Carbon disulfide	76.14	10.3		0.50	0.066
107-05-1	Allyl chloride	76.53	9.58		0.50	0.034
75-09-2	Methylene Chloride	84.93	8.94		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	8.99		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	10.6		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	9.87		0.20	0.029
110-54-3	Hexane	86.17	11.1		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	8.75		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	9.47		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	9.53		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	19.4		0.20	0.064
67-66-3	Chloroform	119.38	8.94		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	9.51		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	8.99		0.20	0.021
110-82-7	Cyclohexane	84.16	10.2		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	8.59		0.040	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	10.5		0.20	0.027
71-43-2	Benzene	78.11	9.01		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	9.08		0.20	0.017
142-82-5	Heptane	100.21	10.5		0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: LCS 200-68730/3

Matrix: Air Lab File ID: 6282_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 12:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	9.44		0.040	0.024
80-62-6	Methyl methacrylate	100.12	9.95		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	9.06		0.20	0.032
123-91-1	1,4-Dioxane	88.11	8.81		5.0	0.20
75-27-4	Bromodichloromethane	163.83	9.00		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	10.5		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	9.70		0.50	0.027
108-88-3	Toluene	92.14	9.69		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	10.1		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	9.17		0.20	0.017
127-18-4	Tetrachloroethene	165.83	9.22		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.74		0.50	0.20
124-48-1	Dibromochloromethane	208.29	9.14		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	9.57		0.20	0.020
108-90-7	Chlorobenzene	112.56	8.91		0.20	0.0081
100-41-4	Ethylbenzene	106.17	9.74		0.20	0.013
179601-23-1	m,p-Xylene	106.17	19.0		0.50	0.023
95-47-6	Xylene, o-	106.17	10.2		0.20	0.016
1330-20-7	Xylene (total)	106.17	29.2		0.20	0.034
100-42-5	Styrene	104.15	10.3		0.20	0.018
75-25-2	Bromoform	252.75	9.24		0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	167.85	8.76		0.20	0.016
103-65-1	n-Propylbenzene	120.19	9.84		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	9.67		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	9.32		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	9.09		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	9.50		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	9.60		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	9.52		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	9.81		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	9.12		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	9.63		0.20	0.014
100-44-7	Benzyl chloride	126.58	9.76		0.20	0.080
104-51-8	n-Butylbenzene	134.22	9.20		0.20	0.080

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Client Sample ID: Lab Sample ID: LCS 200-68730/3

Matrix: Air Lab File ID: 6282_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/24/2014 12:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 68730 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	147.00	9.05		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	8.37		0.50	0.027
87-68-3	Hexachloro-1,3-butadiene	260.76	8.77		0.20	0.022
91-20-3	Naphthalene	128.17	8.30		0.50	0.20

Report Date: 24-Feb-2014 16:53:25 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_003.d
Lims ID: LCS Lab Sample ID: LCS 200-68730/3-A
Client ID:
Sample Type: LCS
Inject. Date: 24-Feb-2014 12:29:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006282-003
Misc. Info.: LCS
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 24-Feb-2014 16:53:24 Calib Date: 12-Feb-2014 00:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: lyonsb Date: 24-Feb-2014 15:16:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41	4.367	4.367	0.0	96	251306	8.60	
2 Dichlorodifluoromethane	85	4.463	4.463	0.0	99	1796394	8.87	
6 Chlorodifluoromethane	51	4.528	4.528	0.0	93	674710	8.79	
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.816	4.816	0.0	91	1632297	9.45	
8 Chloromethane	50	5.009	5.009	0.0	98	294853	8.46	
9 Butane	43	5.276	5.276	0.0	96	518013	9.17	
10 Vinyl chloride	62	5.335	5.335	0.0	97	416130	8.29	
11 Butadiene	54	5.432	5.432	0.0	93	277310	8.98	
12 Bromomethane	94	6.298	6.298	0.0	98	431336	8.31	
13 BFB								
14 Chloroethane	64	6.587	6.587	0.0	95	227129	8.51	
15 2-Methylbutane	43	6.673	6.673	0.0	86	403334	9.35	
16 Vinyl bromide	106	7.063	7.063	0.0	97	632785	9.15	
17 Trichlorofluoromethane	101	7.181	7.181	0.0	98	1950386	8.59	
18 Pentane	43	7.347	7.347	0.0	94	643125	10.6	
19 Ethanol	45	7.796	7.796	0.0	99	207952	16.4	
21 Ethyl ether	59	7.935	7.935	0.0	90	346349	11.0	
22 Acrolein	56	8.395	8.395	0.0	97	150295	11.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.433	8.433	0.0	93	1235929	8.70	
24 1,1-Dichloroethene	96	8.508	8.508	0.0	94	571710	9.34	
25 Acetone	43	8.743	8.743	0.0	87	639288	9.94	
26 Carbon disulfide	76	8.995	8.995	0.0	99	1452145	10.3	
27 Isopropyl alcohol	45	9.027	9.027	0.0	95	455684	8.46	
29 3-Chloro-1-propene	41	9.401	9.401	0.0	81	417021	9.58	
30 Acetonitrile	41	9.530	9.530	0.0	98	229312	9.73	
31 Methylene Chloride	49	9.727	9.727	0.0	79	400147	8.94	
32 2-Methyl-2-propanol	59	9.904	9.904	0.0	99	878699	8.99	
33 Methyl tert-butyl ether	73	10.155	10.155	0.0	95	1722441	10.6	
S 41 1,2-Dichloroethene, Total	61				0		19.4	
34 trans-1,2-Dichloroethene	61	10.230	10.230	0.0	88	728023	9.87	
35 Acrylonitrile	53	10.380	10.380	0.0	93	272249	9.92	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
36 Hexane	57	10.648	10.648	0.0	89	687505	11.1
37 1,1-Dichloroethane	63	11.193	11.193	0.0	99	868690	8.75
38 Vinyl acetate	43	11.236	11.236	0.0	99	922999	10.0
39 cis-1,2-Dichloroethene	96	12.370	12.370	0.0	96	616222	9.53
40 2-Butanone (MEK)	72	12.386	12.386	0.0	99	257790	9.47
42 Ethyl acetate	88	12.408	12.408	0.0	98	56107	10.6
44 Tetrahydrofuran	42	12.846	12.846	0.0	83	381041	9.51
* 43 Chlorobromomethane	128	12.857	12.857	0.0	69	442925	10.0
45 Chloroform	83	12.964	12.964	0.0	100	1326315	8.94
46 Cyclohexane	84	13.258	13.258	0.0	82	787811	10.2
47 1,1,1-Trichloroethane	97	13.274	13.274	0.0	93	1588759	8.99
48 Carbon tetrachloride	117	13.531	13.531	0.0	97	1734513	8.59
51 Isooctane	57	13.922	13.922	0.0	97	2159988	10.5
50 Benzene	78	13.980	13.980	0.0	94	1663325	9.01
52 1,2-Dichloroethane	62	14.141	14.141	0.0	99	848364	9.08
53 n-Heptane	43	14.269	14.269	0.0	82	673235	10.5
* 54 1,4-Difluorobenzene	114	14.745	14.745	0.0	92	2117890	10.0
A 57 GRO	1	14.764	6.663 - 22.866		0	227562774	0
55 n-Butanol	56	15.024	15.024	0.0	84	203718	8.90
56 Trichloroethene	95	15.206	15.206	0.0	95	897045	9.44
58 1,2-Dichloropropane	63	15.730	15.730	0.0	85	509276	9.06
59 Methyl methacrylate	69	15.810	15.810	0.0	76	579834	9.95
60 1,4-Dioxane	88	15.901	15.901	0.0	84	284548	8.81
61 Dibromomethane	174	15.971	15.971	0.0	89	1014873	8.71
62 Dichlorobromomethane	83	16.217	16.217	0.0	98	1464325	9.00
A 63 TVOC as Toluene	1	16.623	4.357 - 28.889		0	396084511	2578.9
64 cis-1,3-Dichloropropene	75	17.083	17.083	0.0	90	962126	10.5
65 4-Methyl-2-pentanone (MIBK)	43	17.319	17.319	0.0	90	873591	9.70
A 68 C8 Range	1	17.656	17.606 - 17.706		0	9597893	NC
69 n-Octane	43	17.656	17.656	0.0	78	889945	10.4
66 Toluene	92	17.656	17.656	0.0	93	1345364	9.69
A 67 Toluene Range	1	17.656	17.616 - 17.696		0	9597893	NC
70 trans-1,3-Dichloropropene	75	18.191	18.191	0.0	95	1063759	10.1
71 1,1,2-Trichloroethane	83	18.554	18.554	0.0	92	634935	9.17
72 Tetrachloroethene	166	18.699	18.699	0.0	98	1593894	9.22
73 2-Hexanone	43	18.945	18.945	0.0	91	761370	9.74
74 Chlorodibromomethane	129	19.314	19.314	0.0	97	1757290	9.14
75 Ethylene Dibromide	107	19.598	19.598	0.0	99	1345374	9.57
S 82 Xylenes, Total	106				0		29.2
* 76 Chlorobenzene-d5	117	20.443	20.443	0.0	82	1915306	10.0
77 Chlorobenzene	112	20.496	20.496	0.0	97	2071273	8.91
78 Ethylbenzene	91	20.614	20.614	0.0	96	3161626	9.74
79 n-Nonane	57	20.673	20.673	0.0	78	1071141	9.89
80 m-Xylene & p-Xylene	106	20.833	20.833	0.0	100	2491780	19.0
83 o-Xylene	106	21.545	21.545	0.0	94	1255449	10.2
84 Styrene	104	21.582	21.582	0.0	95	1887709	10.3
85 Bromoform	173	21.957	21.957	0.0	99	1788011	9.24
86 Isopropylbenzene	105	22.107	22.107	0.0	95	3916347	10.3
$ 87 4-Bromofluorobenzene	95	22.444	22.444	0.0	97	1361886	NC
88 1,1,2,2-Tetrachloroethane	83	22.668	22.668	0.0	94	1648681	8.76
90 N-Propylbenzene	91	22.743	22.743	0.0	98	4348009	9.84
89 1,2,3-Trichloropropane	75	22.770	22.770	0.0	93	1287017	8.89

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
93 n-Decane	57	22.856	22.856	0.0	82	1447368	9.55
91 4-Ethyltoluene	105	22.909	22.909	0.0	97	4089000	9.67
92 2-Chlorotoluene	91	22.941	22.941	0.0	90	3360659	9.09
94 1,3,5-Trimethylbenzene	105	23.000	23.000	0.0	92	3645255	9.32
95 Alpha Methyl Styrene	118	23.348	23.348	0.0	89	1769273	10.9
96 tert-Butylbenzene	119	23.476	23.476	0.0	93	3609004	9.50
97 1,2,4-Trimethylbenzene	105	23.567	23.567	0.0	97	3585568	9.60
98 sec-Butylbenzene	105	23.808	23.808	0.0	97	4900166	9.52
99 4-Isopropyltoluene	119	24.011	24.011	0.0	92	4439572	9.81
100 1,3-Dichlorobenzene	146	24.081	24.081	0.0	97	2481243	9.12
101 1,4-Dichlorobenzene	146	24.225	24.225	0.0	96	2439983	9.63
102 Benzyl chloride	91	24.434	24.434	0.0	100	2221148	9.76
104 Undecane	57	24.626	24.626	0.0	88	1442665	9.39
103 n-Butylbenzene	91	24.648	24.648	0.0	97	3160214	9.20
105 1,2-Dichlorobenzene	146	24.830	24.830	0.0	98	2398120	9.05
106 Dodecane	57	26.435	26.435	0.0	89	959006	9.53
107 1,2,4-Trichlorobenzene	180	27.729	27.729	0.0	94	1138677	8.37
108 Hexachlorobutadiene	225	27.932	27.932	0.0	95	1888540	8.77
109 Naphthalene	128	28.312	28.312	0.0	99	2203604	8.30
110 1,2,3-Trichlorobenzene	180	28.879	28.879	0.0	94	1047028	8.25

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

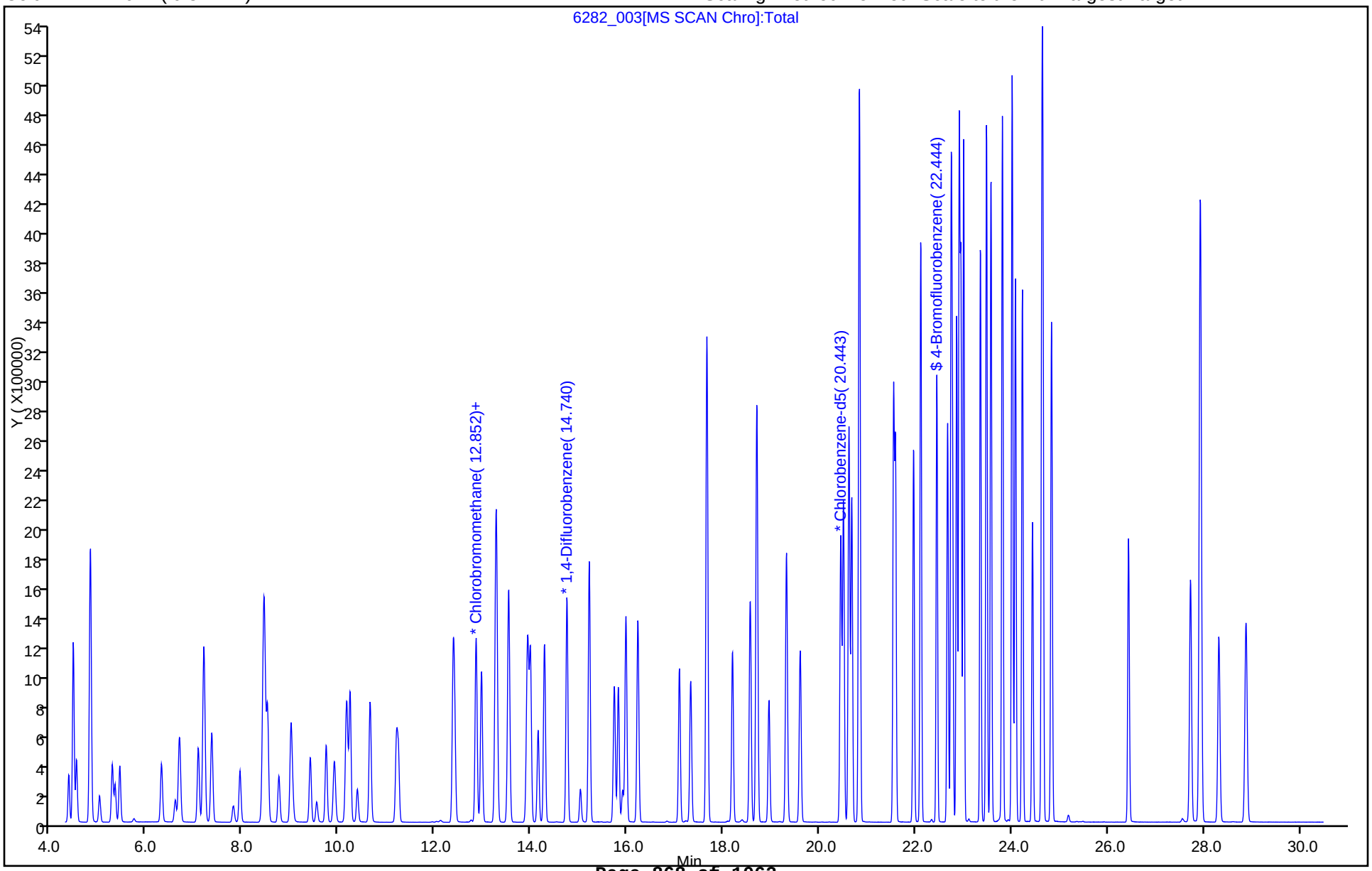
Report Date: 24-Feb-2014 16:53:25 Chrom Revision: 2.2 06-Feb-2014 15:19:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140224-6282.b\6282_003.d

Injection Date:	24-Feb-2014 12:29:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	LCS	Lab Sample ID:	LCS 200-68730/3-A	Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Instrument ID: CHG.i Start Date: 02/20/2014 12:20

Analysis Batch Number: 68619 End Date: 02/21/2014 02:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-68619/1		02/20/2014 12:20	1	6246_001.D	RTX-624 0.32(mm)
VIBLK 200-68619/2		02/20/2014 13:17	1		RTX-624 0.32(mm)
ZZZZZ		02/20/2014 14:04	1		RTX-624 0.32(mm)
ZZZZZ		02/20/2014 14:51	1		RTX-624 0.32(mm)
VIBLK 200-68619/5		02/20/2014 15:38	1		RTX-624 0.32(mm)
IC 200-68619/6		02/20/2014 16:25	1	6246_006.D	RTX-624 0.32(mm)
IC 200-68619/7		02/20/2014 17:12	1	6246_007.D	RTX-624 0.32(mm)
IC 200-68619/8		02/20/2014 17:59	1	6246_008.D	RTX-624 0.32(mm)
IC 200-68619/9		02/20/2014 18:46	1	6246_009.D	RTX-624 0.32(mm)
ICIS 200-68619/10		02/20/2014 19:33	1	6246_010.D	RTX-624 0.32(mm)
IC 200-68619/11		02/20/2014 20:20	1	6246_011.D	RTX-624 0.32(mm)
IC 200-68619/12		02/20/2014 21:07	1	6246_012.D	RTX-624 0.32(mm)
IC 200-68619/13		02/20/2014 21:54	1	6246_013.D	RTX-624 0.32(mm)
VIBLK 200-68619/14		02/20/2014 22:41	1		RTX-624 0.32(mm)
VIBLK 200-68619/15		02/20/2014 23:28	1		RTX-624 0.32(mm)
ICV 200-68619/16		02/21/2014 00:15	1	6246_016.D	RTX-624 0.32(mm)
VIBLK 200-68619/17		02/21/2014 01:02	1		RTX-624 0.32(mm)
ZZZZZ		02/21/2014 01:49	1		RTX-624 0.32(mm)
ZZZZZ		02/21/2014 02:36	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Instrument ID: CHG.i Start Date: 02/21/2014 11:00

Analysis Batch Number: 68679 End Date: 02/21/2014 15:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-68679/1		02/21/2014 11:00	1	6267_001.D	RTX-624 0.32(mm)
CCVIS 200-68679/2		02/21/2014 11:48	1	6267_002.D	RTX-624 0.32(mm)
LCS 200-68679/3		02/21/2014 12:36	1	6267_003.D	RTX-624 0.32(mm)
MB 200-68679/4		02/21/2014 13:23	1	6267_004.D	RTX-624 0.32(mm)
ZZZZZ		02/21/2014 14:20	0.2		RTX-624 0.32(mm)
ZZZZZ		02/21/2014 15:18	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Instrument ID: CHG.i Start Date: 02/21/2014 23:08

Analysis Batch Number: 68745 End Date: 02/22/2014 08:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
200-20955-2	SS-VMP-1B	02/21/2014 23:08	1	6267_016.D	RTX-624 0.32(mm)
200-20955-4	SS-VMP-2B	02/21/2014 23:55	2.5	6267_017.D	RTX-624 0.32(mm)
200-20955-6	SS-VMP-2C	02/22/2014 00:43	1	6267_018.D	RTX-624 0.32(mm)
ZZZZZ		02/22/2014 01:30	12.9		RTX-624 0.32(mm)
200-20955-8	SS-VMP-3A	02/22/2014 02:17	20.1	6267_020.D	RTX-624 0.32(mm)
200-20955-10	SS-VMP-3B	02/22/2014 03:04	1	6267_021.D	RTX-624 0.32(mm)
200-20955-12	SS-VMP-3D	02/22/2014 03:51	1	6267_022.D	RTX-624 0.32(mm)
ZZZZZ		02/22/2014 04:38	13		RTX-624 0.32(mm)
200-20955-14	SS-VMP-5B	02/22/2014 05:25	6.9	6267_024.D	RTX-624 0.32(mm)
ZZZZZ		02/22/2014 06:11	14.8		RTX-624 0.32(mm)
200-20955-16	SS-VMP-6A	02/22/2014 06:58	10	6267_026.D	RTX-624 0.32(mm)
ZZZZZ		02/22/2014 07:45	10		RTX-624 0.32(mm)
200-20955-18	SS-VMP-6B	02/22/2014 08:32	10	6267_028.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Instrument ID: CHW.i Start Date: 02/11/2014 16:00

Analysis Batch Number: 68234 End Date: 02/12/2014 03:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-68234/1		02/11/2014 16:00	1	6099_001.d	RTX-624 0.32(mm)
VIBLK 200-68234/2		02/11/2014 17:33	1		RTX-624 0.32(mm)
VIBLK 200-68234/3		02/11/2014 18:24	1		RTX-624 0.32(mm)
IC 200-68234/4		02/11/2014 19:12	1	6101_004.d	RTX-624 0.32(mm)
IC 200-68234/5		02/11/2014 20:02	1	6101_005.d	RTX-624 0.32(mm)
IC 200-68234/6		02/11/2014 20:50	1	6101_006.d	RTX-624 0.32(mm)
IC 200-68234/7		02/11/2014 21:39	1	6101_007.d	RTX-624 0.32(mm)
ICIS 200-68234/8		02/11/2014 22:30	1	6101_008.d	RTX-624 0.32(mm)
IC 200-68234/9		02/11/2014 23:18	1	6101_009.d	RTX-624 0.32(mm)
IC 200-68234/10		02/12/2014 00:07	1	6101_010.d	RTX-624 0.32(mm)
IC 200-68234/11		02/12/2014 00:55	1	6101_011.d	RTX-624 0.32(mm)
VIBLK 200-68234/12		02/12/2014 01:43	1		RTX-624 0.32(mm)
VIBLK 200-68234/13		02/12/2014 02:32	1		RTX-624 0.32(mm)
ICV 200-68234/14		02/12/2014 03:20	1	6101_014.d	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20955-2

SDG No.: 200-20955-2

Instrument ID: CHW.i Start Date: 02/24/2014 10:20

Analysis Batch Number: 68730 End Date: 02/25/2014 09:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-68730/1		02/24/2014 10:20	1	6282_001.d	RTX-624 0.32(mm)
CCVIS 200-68730/2		02/24/2014 11:15	1	6282_002.d	RTX-624 0.32(mm)
LCS 200-68730/3		02/24/2014 12:29	1	6282_003.d	RTX-624 0.32(mm)
MB 200-68730/4		02/24/2014 13:46	1	6282_004.d	RTX-624 0.32(mm)
ZZZZZ		02/24/2014 14:55	0.2		RTX-624 0.32(mm)
ZZZZZ		02/24/2014 15:50	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2014 16:41	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2014 17:31	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2014 18:25	1		RTX-624 0.32(mm)
200-20955-20	SS-VMP-3E	02/24/2014 19:16	1	6282_010.d	RTX-624 0.32(mm)
200-20955-22	SS-VMP-4	02/24/2014 20:04	2	6282_011.d	RTX-624 0.32(mm)
ZZZZZ		02/24/2014 20:52	10		RTX-624 0.32(mm)
200-20955-24	SS-VMP-5A	02/24/2014 21:40	5.71	6282_013.d	RTX-624 0.32(mm)
200-20955-25	SS-VMP-7	02/24/2014 22:28	8	6282_014.d	RTX-624 0.32(mm)
200-20955-28	SS-VMP-7A	02/24/2014 23:16	7.49	6282_015.d	RTX-624 0.32(mm)
200-20955-30	SS-DUP-021214	02/25/2014 00:04	7.48	6282_016.d	RTX-624 0.32(mm)
ZZZZZ		02/25/2014 00:53	35.3		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 01:43	1		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 02:34	1		RTX-624 0.32(mm)
200-20969-1	SS-VMP-7B	02/25/2014 03:22	23.8	6282_020.d	RTX-624 0.32(mm)
ZZZZZ		02/25/2014 04:13	1		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 05:10	1		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 05:59	1		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 06:49	1		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 07:37	10		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 08:44	0.2		RTX-624 0.32(mm)
ZZZZZ		02/25/2014 09:55	0.2		RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
ARCADIS	200-20955	2/17/14	1630	30.1	22	G14	MT

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	✓		
(3) MA MCP: Check return flow rate for flow controllers		✓	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID	Comments
20955 -1	4442	-15.5	yes	09903	Yes	3217 5988	
-2	3011	-5.5	no	09709	↓	↓	
-3	2956	-7.2	↓	10239	↓	5127 5988	
-4	4343	-5.7	↓	09702	↓	5634 5988	
-5	4850	-7.0	↓	4532	↓	3217 5988	
-6	4441	-6.6	↓	10630	↓	5127 5988	
-7	5148	-7.1	↓	10877	↓	3217 5988	
-8	5039	-17.6	yes	4205	↓	↓	
-9	5050	-6.6	no	5232	↓	5634 5988	
-10	5678	-17.4	yes	5203	↓	↓	
-11	2786	-5.2	no	9066	↓	5127 5988	
-12	2639	-6.4	↓	10160	↓	5634 5988	
-13	5618	-14.0	yes	5168	↓	↓	
-14	5104	-19.4	↓	09708	↓	↓	
-15	4150	-5.4	no	~~10554~~ 10056	↓	mt 2/17/14	
-16	3459	-7.0	↓	10154	↓	3217 5988	
-17	5160	-7.2	↓	3736	↓	5634 5988	
-18	2712	-8.5	↓	5182	↓	↓	
-19	4550	-6.0	↓	3123	↓	5127 5988	
-20	5615	-6.3	↓	10587	↓	↓	
-21	5610	-6.8	↓	3615	↓	3217 5988	
-22	5051	-7.3	↓	10159	↓	↓	
-23	4282	-6.6	↓	10240	↓	↓	
-24	5607	-6.4	↓	10053	↓	2631 5988	
-25	5083	-7.0	↓	4056	↓	5634 5988	
-26	3136	-15.9	yes	3118	↓	↓	
-27	4016	-5.8	no	10130	↓	2631 5988	

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # 57/32, 55, 52, 47

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
	200-20955	2/17/14	1655	30.1	22	G14	MC

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	✓		
(3) MA MCP: Check return flow rate for flow controllers		✓	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID	Comments
20955-28	4488	-20.7	~~no~~ yes	09912	yes	26315988	
-29	5612	-7.1	no	10617	↓	↓	
-30	3587	-20.8	yes	—	↓	↓	
-31	3233	-15.9	↓	—	↓	3217 ~~5853988~~	
					MC 2/17/14	~~3217 5988~~	

MC 2/17/14

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # _____

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
Arcadis	200-20969	2/18/14	1310	29.7	22	G9	ANI

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	✓		
(3) MA MCP: Check return flow rate for flow controllers		✓	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	

If damage observed, list equipment IDs and describe condition:

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID		Comments
200-20969-1	2706	-4.8	N	3484	Y	3217	5988	
1 -2	3015	-10.7	Y	5178	Y	2031	5988	

2/18/14 ANI

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # 57/46,52

Summa Canister Dilution Worksheet

Client: ARCADIS U.S., Inc.

Job No.: 200-20955-2
SDG No.: 200-20955-2

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Date	Analyst
200-20955-8	6	-11.3	0.62	3.73	-2.4	0.84	5.02		1.34	1.34	02/20/14 10:36	Nelson, Andrea J
200-20955-8	6	-5.0	0.83	5.00	20.1	2.37	14.20		2.84	3.81	02/21/14 15:51	Daigle, Paul A
200-20955-10	6	-16.5	0.45	2.69	-2.4	0.84	5.02		1.87	1.87	02/20/14 10:38	Nelson, Andrea J
200-20955-28	6	-16.9	0.44	2.61	-2.5	0.83	4.98		1.91	1.91	02/20/14 10:42	Nelson, Andrea J
200-20955-30	6	-20.3	0.32	1.93	-2.5	0.83	4.98		2.58	2.58	02/20/14 10:46	Nelson, Andrea J
200-20969-1	6	-4.8	0.84	5.04	36.8	3.50	21.02		4.17	4.17	02/24/14 14:25	Lyons, Benjamin P

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg

Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig

Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)

14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

200-20735-A-6
5634
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 1/31/2014 12:00 AM 200-524324

Loc: 200
20735
#6
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test							
System ID		# Cycles	Cleaning Date	Technician	Canister Size		
Bottom		20	1/31/14	VS	(6L)	1L	3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4150	-29.9	-30.2	-29.9	0.3
2	5160	↓	↓	↓	
3	5050				
4	2712				
5	5628				
6	5634				
7	5104				
8	X 5144				
9	4343				
10	5618				
11	3136				
12	5083	↓	↓	↓	

VS 1/31/14

Initial Reading		Final Reading	
Gauge ID:	69	Gauge ID:	69
Date:	2/1/14	Date:	2/6/14
Time:	930	Time:	1410
Tech:	MS	Tech:	VS
BP:	29.9 ("Hg)	BP:	29.9 ("Hg)
Temp	22 (°C)	Temp:	22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
5634	2/6/14	5988	BL		✓				2/6/14	ANH

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

Routine

200-20762-A-12
3217
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 2/3/2014 12:30 AM 200-624920

Loc: 200
20762
#12
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test				
System ID	# Cycles	Cleaning Date	Technician	Canister Size
TOP	15	2/3/14	VS	(6L) 1L 3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4800	30.0	-30.1	-29.9	0.2
2	5610				
3	5039				
4	5148				
5	4442				
6	3011				
7	5081				
8	3459				
9	4282				
10	2706				
11	3233				
12	3217	↓	↓	↓	

Initial Reading	Final Reading
Gauge ID: G9	Gauge ID: G9
Date: 2/4/14	Date: 2/6/14
Time: 1850	Time: 1345
Tech: VS	Tech: VS
BP: 30.0 ("Hg)	BP: 29.9 ("Hg)
Temp 22 (°C)	Temp: 22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:
Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
3217	2/6/14	5988	BC		←				2/6/14	ANI

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.
Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.
Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.
Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.
Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:
Routine

200-20763-A-7
2631
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 2/3/2014 12:00 AM 200-624927

Loc: 200
20763
#7
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
OVEN	15	2/3/14	VS	(6L) 1L 3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	3254	-30.0	-30.2	-29.9	0.3
2	3087				
3	2786				
4	5140				
5	4016				
6	3015				
7	2631				
8	5612				
9	3531				
10	~~4580~~				
11	4488				
12	5607	↓	↓	↓	

VS 2/6/14

Initial Reading	Final Reading
Gauge ID: 69	Gauge ID: 69
Date: 2/4/14	Date: 2/6/14
Time: 1700	Time: 1330
Tech: VS	Tech: VS
BP: 30.0 ("Hg)	BP: 29.9 ("Hg)
Temp 22 (°C)	Temp: 22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
2631	2/6/14	~~5988~~ 5988	BL		✓				2/6/14	AW 1
		AW 1 2/6/14								

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

RBuono

200-20780-A-8
2523
Location: Air Storage
Bottle: Summa Canister 6L
Sampled: 2/4/2014 12:00 AM 200-625307

Loc: 200
20780
#8
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
OVEN	50	2/4/14	VS	(6L) 1L 3L

VS 2/6/14

Leak Test

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4376	-29.7	-30.1	-29.9	0.2
2	5615				
3	5620				
4	4441				
5	2639				
6	5136				
7	4093				
8	2523				
9	5127				
10	4550				
11	2956				
12	4869				

Initial Reading	Final Reading
Gauge ID: 611	Gauge ID: 69
Date: 2/5/14	Date: 2/6/14
Time: 1250	Time: 1430
Tech: ME	Tech: VS
BP: 29.7 ("Hg)	BP: 29.9 ("Hg)
Temp 72 (°C)	Temp: 22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
2523	2/6/14	5988	BE		✓				2/6/14	ANL

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

Routine

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5988_025.d

Lab ID: LCS 200-67984/25 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.9	119	70-130	
Dichlorodifluoromethane	10.0	13.1	131	70-130	*
Freon 22	10.0	12.6	126	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.8	128	70-130	
Chloromethane	10.0	12.6	127	70-130	
n-Butane	10.0	12.3	123	70-130	
Vinyl chloride	10.0	12.8	128	70-130	
1,3-Butadiene	10.0	13.4	134	70-130	*
Bromomethane	10.0	11.8	118	70-130	
Chloroethane	10.0	13.7	137	70-130	*
Bromoethene(Vinyl Bromide)	10.0	13.5	135	70-130	*
Trichlorofluoromethane	10.0	13.2	132	70-130	*
Ethanol	15.0	17.9	119	70-130	
Freon TF	10.0	13.9	139	70-130	*
1,1-Dichloroethene	10.0	14.1	141	70-130	*
Acetone	10.0	13.1	131	70-130	*
Isopropyl alcohol	10.0	11.0	110	70-130	
Carbon disulfide	10.0	13.0	130	70-130	
3-Chloropropene	10.0	12.6	126	70-130	
Methylene Chloride	10.0	14.2	142	70-130	*
tert-Butyl alcohol	10.0	11.0	110	70-130	
Methyl tert-butyl ether	10.0	13.9	139	70-130	*
trans-1,2-Dichloroethene	10.0	12.9	129	70-130	
n-Hexane	10.0	12.8	128	70-130	
1,1-Dichloroethane	10.0	12.7	128	70-130	
Vinyl acetate	10.0	11.9	119	70-130	
Ethyl acetate	10.0	12.3	123	70-130	
Methyl Ethyl Ketone	10.0	12.5	125	70-130	
cis-1,2-Dichloroethene	10.0	13.4	134	70-130	*
Chloroform	10.0	13.0	130	70-130	
Tetrahydrofuran	10.0	13.1	131	70-130	*
1,1,1-Trichloroethane	10.0	14.0	140	70-130	*
Cyclohexane	10.0	13.7	137	70-130	*
Carbon tetrachloride	10.0	14.3	143	70-130	*
2,2,4-Trimethylpentane	10.0	13.8	138	70-130	*
Benzene	10.0	13.4	134	70-130	*
1,2-Dichloroethane	10.0	13.5	135	70-130	*
n-Heptane	10.0	14.0	140	70-130	*
Trichloroethene	10.0	13.8	138	70-130	*
Methyl methacrylate	10.0	13.5	135	70-130	*
1,2-Dichloropropane	10.0	13.3	133	70-130	*
1,4-Dioxane	10.0	11.4	115	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5988_025.d

Lab ID: LCS 200-67984/25 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	14.5	145	70-130	*
cis-1,3-Dichloropropene	10.0	13.9	139	70-130	*
methyl isobutyl ketone	10.0	14.8	148	70-130	*
Toluene	10.0	12.3	123	70-130	
trans-1,3-Dichloropropene	10.0	13.9	139	70-130	*
1,1,2-Trichloroethane	10.0	12.5	125	70-130	
Tetrachloroethene	10.0	12.8	128	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	13.1	131	70-130	*
Dibromochloromethane	10.0	14.3	143	70-130	*
1,2-Dibromoethane	10.0	12.9	129	70-130	
Chlorobenzene	10.0	12.3	123	70-130	
Ethylbenzene	10.0	12.8	128	70-130	
m,p-Xylene	20.0	25.4	127	70-130	
Xylene, o-	10.0	12.9	129	70-130	
Styrene	10.0	13.2	132	70-130	*
Bromoform	10.0	14.7	147	70-130	*
Cumene	10.0	13.3	134	70-130	*
1,1,2,2-Tetrachloroethane	10.0	12.7	127	70-130	
n-Propylbenzene	10.0	13.7	137	70-130	*
4-Ethyltoluene	10.0	13.8	138	70-130	*
1,3,5-Trimethylbenzene	10.0	13.0	130	70-130	
2-Chlorotoluene	10.0	13.5	135	70-130	*
tert-Butylbenzene	10.0	13.2	132	70-130	*
1,2,4-Trimethylbenzene	10.0	13.1	131	70-130	*
sec-Butylbenzene	10.0	13.3	133	70-130	*
4-Isopropyltoluene	10.0	13.7	137	70-130	*
1,3-Dichlorobenzene	10.0	13.0	130	70-130	
1,4-Dichlorobenzene	10.0	13.1	131	70-130	*
Benzyl chloride	10.0	11.2	112	70-130	
n-Butylbenzene	10.0	13.9	139	70-130	*
1,2-Dichlorobenzene	10.0	12.9	129	70-130	
1,2,4-Trichlorobenzene	10.0	13.0	130	70-130	
Hexachlorobutadiene	10.0	14.0	140	70-130	*
Naphthalene	10.0	14.3	143	70-130	*

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5988_025.d

Lab ID: LCS 200-67984/25 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.9	119	70-130	
Dichlorodifluoromethane	10.0	13.1	131	70-130	*
Freon 22	10.0	12.6	126	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.8	128	70-130	
Chloromethane	10.0	12.6	127	70-130	
n-Butane	10.0	12.3	123	70-130	
Vinyl chloride	10.0	12.8	128	70-130	
1,3-Butadiene	10.0	13.4	134	70-130	*
Bromomethane	10.0	11.8	118	70-130	
Chloroethane	10.0	13.7	137	70-130	*
Bromoethene(Vinyl Bromide)	10.0	13.5	135	70-130	*
Trichlorofluoromethane	10.0	13.2	132	70-130	*
Ethanol	15.0	17.9	119	70-130	
Freon TF	10.0	13.9	139	70-130	*
1,1-Dichloroethene	10.0	14.1	141	70-130	*
Acetone	10.0	13.1	131	70-130	*
Isopropyl alcohol	10.0	11.0	110	70-130	
Carbon disulfide	10.0	13.0	130	70-130	
3-Chloropropene	10.0	12.6	126	70-130	
Methylene Chloride	10.0	14.2	142	70-130	*
tert-Butyl alcohol	10.0	11.0	110	70-130	
Methyl tert-butyl ether	10.0	13.9	139	70-130	*
trans-1,2-Dichloroethene	10.0	12.9	129	70-130	
n-Hexane	10.0	12.8	128	70-130	
1,1-Dichloroethane	10.0	12.7	128	70-130	
Vinyl acetate	10.0	11.9	119	70-130	
Ethyl acetate	10.0	12.3	123	70-130	
Methyl Ethyl Ketone	10.0	12.5	125	70-130	
cis-1,2-Dichloroethene	10.0	13.4	134	70-130	*
Chloroform	10.0	13.0	130	70-130	
Tetrahydrofuran	10.0	13.1	131	70-130	*
1,1,1-Trichloroethane	10.0	14.0	140	70-130	*
Cyclohexane	10.0	13.7	137	70-130	*
Carbon tetrachloride	10.0	14.3	143	70-130	*
2,2,4-Trimethylpentane	10.0	13.8	138	70-130	*
Benzene	10.0	13.4	134	70-130	*
1,2-Dichloroethane	10.0	13.5	135	70-130	*
n-Heptane	10.0	14.0	140	70-130	*
Trichloroethene	10.0	13.8	138	70-130	*
Methyl methacrylate	10.0	13.5	135	70-130	*
1,2-Dichloropropane	10.0	13.3	133	70-130	*
1,4-Dioxane	10.0	11.4	115	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5988_025.d

Lab ID: LCS 200-67984/25 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	14.5	145	70-130	*
cis-1,3-Dichloropropene	10.0	13.9	139	70-130	*
methyl isobutyl ketone	10.0	14.8	148	70-130	*
Toluene	10.0	12.3	123	70-130	
trans-1,3-Dichloropropene	10.0	13.9	139	70-130	*
1,1,2-Trichloroethane	10.0	12.5	125	70-130	
Tetrachloroethene	10.0	12.8	128	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	13.1	131	70-130	*
Dibromochloromethane	10.0	14.3	143	70-130	*
1,2-Dibromoethane	10.0	12.9	129	70-130	
Chlorobenzene	10.0	12.3	123	70-130	
Ethylbenzene	10.0	12.8	128	70-130	
m,p-Xylene	20.0	25.4	127	70-130	
Xylene, o-	10.0	12.9	129	70-130	
Styrene	10.0	13.2	132	70-130	*
Bromoform	10.0	14.7	147	70-130	*
Cumene	10.0	13.3	134	70-130	*
1,1,2,2-Tetrachloroethane	10.0	12.7	127	70-130	
n-Propylbenzene	10.0	13.7	137	70-130	*
4-Ethyltoluene	10.0	13.8	138	70-130	*
1,3,5-Trimethylbenzene	10.0	13.0	130	70-130	
2-Chlorotoluene	10.0	13.5	135	70-130	*
tert-Butylbenzene	10.0	13.2	132	70-130	*
1,2,4-Trimethylbenzene	10.0	13.1	131	70-130	*
sec-Butylbenzene	10.0	13.3	133	70-130	*
4-Isopropyltoluene	10.0	13.7	137	70-130	*
1,3-Dichlorobenzene	10.0	13.0	130	70-130	
1,4-Dichlorobenzene	10.0	13.1	131	70-130	*
Benzyl chloride	10.0	11.2	112	70-130	
n-Butylbenzene	10.0	13.9	139	70-130	*
1,2-Dichlorobenzene	10.0	12.9	129	70-130	
1,2,4-Trichlorobenzene	10.0	13.0	130	70-130	
Hexachlorobutadiene	10.0	14.0	140	70-130	*
Naphthalene	10.0	14.3	143	70-130	*

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5988_025.d

Lab ID: LCS 200-67984/25 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.9	119	70-130	
Dichlorodifluoromethane	10.0	13.1	131	70-130	*
Freon 22	10.0	12.6	126	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.8	128	70-130	
Chloromethane	10.0	12.6	127	70-130	
n-Butane	10.0	12.3	123	70-130	
Vinyl chloride	10.0	12.8	128	70-130	
1,3-Butadiene	10.0	13.4	134	70-130	*
Bromomethane	10.0	11.8	118	70-130	
Chloroethane	10.0	13.7	137	70-130	*
Bromoethene(Vinyl Bromide)	10.0	13.5	135	70-130	*
Trichlorofluoromethane	10.0	13.2	132	70-130	*
Ethanol	15.0	17.9	119	70-130	
Freon TF	10.0	13.9	139	70-130	*
1,1-Dichloroethene	10.0	14.1	141	70-130	*
Acetone	10.0	13.1	131	70-130	*
Isopropyl alcohol	10.0	11.0	110	70-130	
Carbon disulfide	10.0	13.0	130	70-130	
3-Chloropropene	10.0	12.6	126	70-130	
Methylene Chloride	10.0	14.2	142	70-130	*
tert-Butyl alcohol	10.0	11.0	110	70-130	
Methyl tert-butyl ether	10.0	13.9	139	70-130	*
trans-1,2-Dichloroethene	10.0	12.9	129	70-130	
n-Hexane	10.0	12.8	128	70-130	
1,1-Dichloroethane	10.0	12.7	128	70-130	
Vinyl acetate	10.0	11.9	119	70-130	
Ethyl acetate	10.0	12.3	123	70-130	
Methyl Ethyl Ketone	10.0	12.5	125	70-130	
cis-1,2-Dichloroethene	10.0	13.4	134	70-130	*
Chloroform	10.0	13.0	130	70-130	
Tetrahydrofuran	10.0	13.1	131	70-130	*
1,1,1-Trichloroethane	10.0	14.0	140	70-130	*
Cyclohexane	10.0	13.7	137	70-130	*
Carbon tetrachloride	10.0	14.3	143	70-130	*
2,2,4-Trimethylpentane	10.0	13.8	138	70-130	*
Benzene	10.0	13.4	134	70-130	*
1,2-Dichloroethane	10.0	13.5	135	70-130	*
n-Heptane	10.0	14.0	140	70-130	*
Trichloroethene	10.0	13.8	138	70-130	*
Methyl methacrylate	10.0	13.5	135	70-130	*
1,2-Dichloropropane	10.0	13.3	133	70-130	*
1,4-Dioxane	10.0	11.4	115	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5988_025.d

Lab ID: LCS 200-67984/25 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	14.5	145	70-130	*
cis-1,3-Dichloropropene	10.0	13.9	139	70-130	*
methyl isobutyl ketone	10.0	14.8	148	70-130	*
Toluene	10.0	12.3	123	70-130	
trans-1,3-Dichloropropene	10.0	13.9	139	70-130	*
1,1,2-Trichloroethane	10.0	12.5	125	70-130	
Tetrachloroethene	10.0	12.8	128	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	13.1	131	70-130	*
Dibromochloromethane	10.0	14.3	143	70-130	*
1,2-Dibromoethane	10.0	12.9	129	70-130	
Chlorobenzene	10.0	12.3	123	70-130	
Ethylbenzene	10.0	12.8	128	70-130	
m,p-Xylene	20.0	25.4	127	70-130	
Xylene, o-	10.0	12.9	129	70-130	
Styrene	10.0	13.2	132	70-130	*
Bromoform	10.0	14.7	147	70-130	*
Cumene	10.0	13.3	134	70-130	*
1,1,2,2-Tetrachloroethane	10.0	12.7	127	70-130	
n-Propylbenzene	10.0	13.7	137	70-130	*
4-Ethyltoluene	10.0	13.8	138	70-130	*
1,3,5-Trimethylbenzene	10.0	13.0	130	70-130	
2-Chlorotoluene	10.0	13.5	135	70-130	*
tert-Butylbenzene	10.0	13.2	132	70-130	*
1,2,4-Trimethylbenzene	10.0	13.1	131	70-130	*
sec-Butylbenzene	10.0	13.3	133	70-130	*
4-Isopropyltoluene	10.0	13.7	137	70-130	*
1,3-Dichlorobenzene	10.0	13.0	130	70-130	
1,4-Dichlorobenzene	10.0	13.1	131	70-130	*
Benzyl chloride	10.0	11.2	112	70-130	
n-Butylbenzene	10.0	13.9	139	70-130	*
1,2-Dichlorobenzene	10.0	12.9	129	70-130	
1,2,4-Trichlorobenzene	10.0	13.0	130	70-130	
Hexachlorobutadiene	10.0	14.0	140	70-130	*
Naphthalene	10.0	14.3	143	70-130	*

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5988_025.d

Lab ID: LCS 200-67984/25 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.9	119	70-130	
Dichlorodifluoromethane	10.0	13.1	131	70-130	*
Freon 22	10.0	12.6	126	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.8	128	70-130	
Chloromethane	10.0	12.6	127	70-130	
n-Butane	10.0	12.3	123	70-130	
Vinyl chloride	10.0	12.8	128	70-130	
1,3-Butadiene	10.0	13.4	134	70-130	*
Bromomethane	10.0	11.8	118	70-130	
Chloroethane	10.0	13.7	137	70-130	*
Bromoethene(Vinyl Bromide)	10.0	13.5	135	70-130	*
Trichlorofluoromethane	10.0	13.2	132	70-130	*
Ethanol	15.0	17.9	119	70-130	
Freon TF	10.0	13.9	139	70-130	*
1,1-Dichloroethene	10.0	14.1	141	70-130	*
Acetone	10.0	13.1	131	70-130	*
Isopropyl alcohol	10.0	11.0	110	70-130	
Carbon disulfide	10.0	13.0	130	70-130	
3-Chloropropene	10.0	12.6	126	70-130	
Methylene Chloride	10.0	14.2	142	70-130	*
tert-Butyl alcohol	10.0	11.0	110	70-130	
Methyl tert-butyl ether	10.0	13.9	139	70-130	*
trans-1,2-Dichloroethene	10.0	12.9	129	70-130	
n-Hexane	10.0	12.8	128	70-130	
1,1-Dichloroethane	10.0	12.7	128	70-130	
Vinyl acetate	10.0	11.9	119	70-130	
Ethyl acetate	10.0	12.3	123	70-130	
Methyl Ethyl Ketone	10.0	12.5	125	70-130	
cis-1,2-Dichloroethene	10.0	13.4	134	70-130	*
Chloroform	10.0	13.0	130	70-130	
Tetrahydrofuran	10.0	13.1	131	70-130	*
1,1,1-Trichloroethane	10.0	14.0	140	70-130	*
Cyclohexane	10.0	13.7	137	70-130	*
Carbon tetrachloride	10.0	14.3	143	70-130	*
2,2,4-Trimethylpentane	10.0	13.8	138	70-130	*
Benzene	10.0	13.4	134	70-130	*
1,2-Dichloroethane	10.0	13.5	135	70-130	*
n-Heptane	10.0	14.0	140	70-130	*
Trichloroethene	10.0	13.8	138	70-130	*
Methyl methacrylate	10.0	13.5	135	70-130	*
1,2-Dichloropropane	10.0	13.3	133	70-130	*
1,4-Dioxane	10.0	11.4	115	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5988_025.d

Lab ID: LCS 200-67984/25 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	14.5	145	70-130	*
cis-1,3-Dichloropropene	10.0	13.9	139	70-130	*
methyl isobutyl ketone	10.0	14.8	148	70-130	*
Toluene	10.0	12.3	123	70-130	
trans-1,3-Dichloropropene	10.0	13.9	139	70-130	*
1,1,2-Trichloroethane	10.0	12.5	125	70-130	
Tetrachloroethene	10.0	12.8	128	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	13.1	131	70-130	*
Dibromochloromethane	10.0	14.3	143	70-130	*
1,2-Dibromoethane	10.0	12.9	129	70-130	
Chlorobenzene	10.0	12.3	123	70-130	
Ethylbenzene	10.0	12.8	128	70-130	
m,p-Xylene	20.0	25.4	127	70-130	
Xylene, o-	10.0	12.9	129	70-130	
Styrene	10.0	13.2	132	70-130	*
Bromoform	10.0	14.7	147	70-130	*
Cumene	10.0	13.3	134	70-130	*
1,1,2,2-Tetrachloroethane	10.0	12.7	127	70-130	
n-Propylbenzene	10.0	13.7	137	70-130	*
4-Ethyltoluene	10.0	13.8	138	70-130	*
1,3,5-Trimethylbenzene	10.0	13.0	130	70-130	
2-Chlorotoluene	10.0	13.5	135	70-130	*
tert-Butylbenzene	10.0	13.2	132	70-130	*
1,2,4-Trimethylbenzene	10.0	13.1	131	70-130	*
sec-Butylbenzene	10.0	13.3	133	70-130	*
4-Isopropyltoluene	10.0	13.7	137	70-130	*
1,3-Dichlorobenzene	10.0	13.0	130	70-130	
1,4-Dichlorobenzene	10.0	13.1	131	70-130	*
Benzyl chloride	10.0	11.2	112	70-130	
n-Butylbenzene	10.0	13.9	139	70-130	*
1,2-Dichlorobenzene	10.0	12.9	129	70-130	
1,2,4-Trichlorobenzene	10.0	13.0	130	70-130	
Hexachlorobutadiene	10.0	14.0	140	70-130	*
Naphthalene	10.0	14.3	143	70-130	*

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab File ID: 5988_026.d Lab Sample ID: MB 200-67984/26

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 02/05/2014 15:38

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-67984/25	5988_025.d	02/05/2014 14:47
5634	200-20735-6	5988_013.d	02/06/2014 08:58

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

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Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d
Lims ID: MB Lab Sample ID: MB 200-67984/26-A
Client ID:
Sample Type: MB
Inject. Date: 05-Feb-2014 15:38:30 ALS Bottle#: 5 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005988-026
Misc. Info.: MB
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 06-Feb-2014 12:51:08 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: lyonsb Date: 06-Feb-2014 11:20:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
2 Difluoroethane TIC	51		3.150					
3 Chlorotrifluoroethene TIC	116		3.162					
4 Freon 115 TIC	85		3.180					
5 1,1,1-Trifluoro-2,2-dichloroetha	83		3.200					
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
15 2-Methylbutane	43		6.684					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.186					
25 Methyl Acetate TIC	43		7.200					
18 Pentane	43		7.352					
19 Ethanol	45		7.807					
20 Ethyl ether	59		7.941					
21 Acrolein	56		8.406					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.518					
24 Acetone	43		8.749					
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.037					
28 3-Chloro-1-propene	41		9.407					
29 Acetonitrile	41		9.540					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.915					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
34 Acrylonitrile	53		10.386					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.241					
47 Methyl cyclohexane TIC	55		11.500					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.397					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.852					
* 42 Chlorobromomethane	128	12.862	12.857	0.005	69	304491	10.0	
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.264					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.751	14.751	0.0	92	1492766	10.0	
54 n-Butanol	56		15.034					
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.227					
A 61 GRO	1	16.556	6.598 -	26.515	0	10826146	199.9	E
A 62 TVOC as Toluene	1	16.647	4.314 -	28.981	0	10961105	112.3	
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
67 n-Octane	43		17.661					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.956					
74 1,2-Dibromo-3-Chloropropane TIC	75		19.300					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	82	1283110	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
78 n-Nonane	57		20.678					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	781382	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
87 1,2,3-Trichloropropane	75		22.775					
88 n-Decane	57		22.861					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
91 Alpha Methyl Styrene	118		23.359					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
99 Undecane	57		24.637					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
102 Dodecane	57		26.440					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					
106 1,2,3-Trichlorobenzene	180		28.890					
108 Total Alkanes	1		0.0					
109 Total Hydrocarbons	1		0.0					
110 BFB								

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

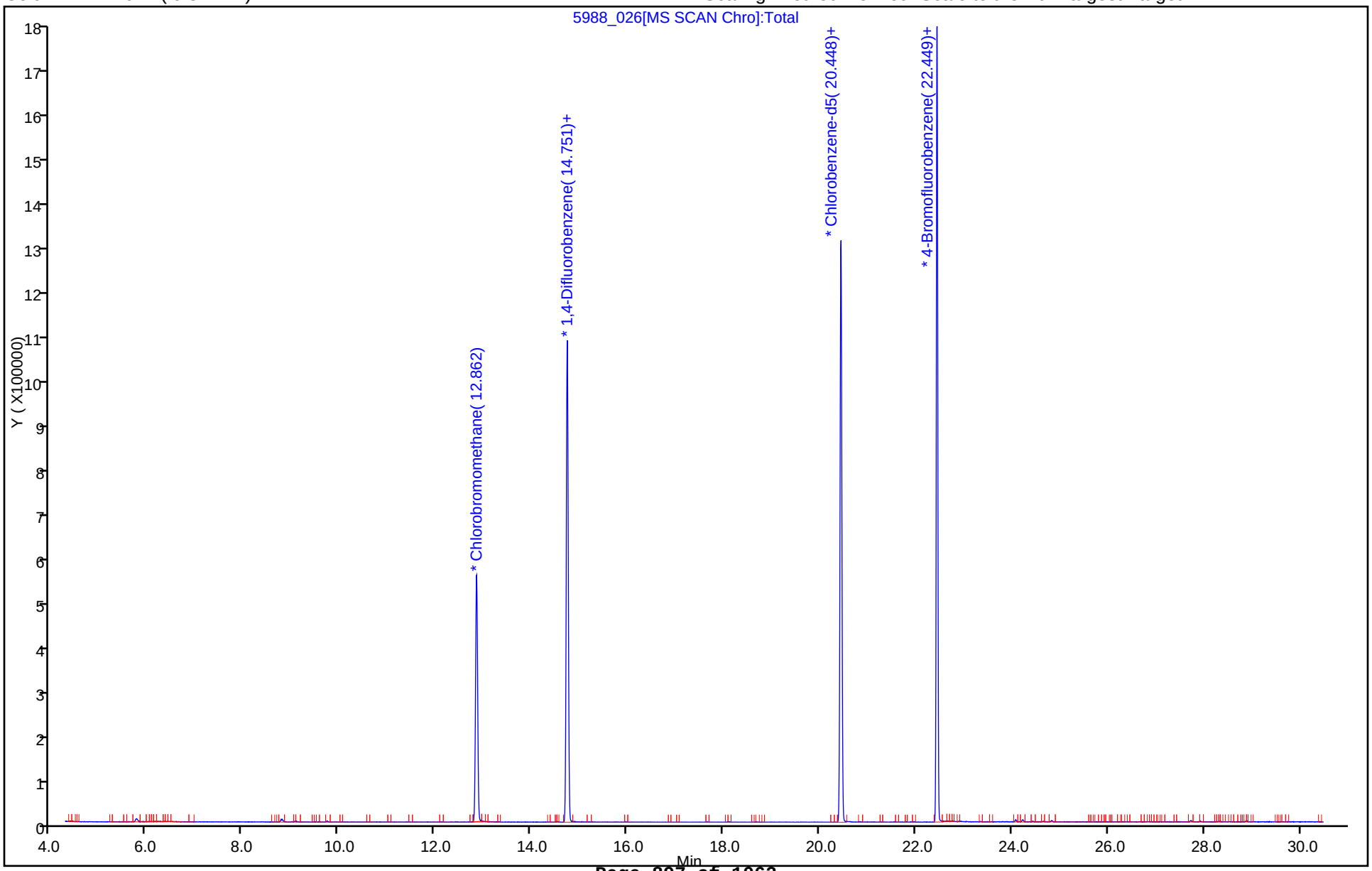
Report Date: 06-Feb-2014 12:51:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d

Injection Date:	05-Feb-2014 15:38:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	MB	Lab Sample ID:	MB 200-67984/26-A	Worklist Smp#:	26
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab File ID: 5988_026.d Lab Sample ID: MB 200-67984/26

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 02/05/2014 15:38

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-67984/25	5988_025.d	02/05/2014 14:47
3217	200-20762-12	5988_008.d	02/05/2014 20:06

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

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Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d
Lims ID: MB Lab Sample ID: MB 200-67984/26-A
Client ID:
Sample Type: MB
Inject. Date: 05-Feb-2014 15:38:30 ALS Bottle#: 5 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005988-026
Misc. Info.: MB
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 06-Feb-2014 12:51:08 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: lyonsb Date: 06-Feb-2014 11:20:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
2 Difluoroethane TIC	51		3.150					
3 Chlorotrifluoroethene TIC	116		3.162					
4 Freon 115 TIC	85		3.180					
5 1,1,1-Trifluoro-2,2-dichloroetha	83		3.200					
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
15 2-Methylbutane	43		6.684					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.186					
25 Methyl Acetate TIC	43		7.200					
18 Pentane	43		7.352					
19 Ethanol	45		7.807					
20 Ethyl ether	59		7.941					
21 Acrolein	56		8.406					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.518					
24 Acetone	43		8.749					
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.037					
28 3-Chloro-1-propene	41		9.407					
29 Acetonitrile	41		9.540					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.915					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
34 Acrylonitrile	53		10.386					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.241					
47 Methyl cyclohexane TIC	55		11.500					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.397					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.852					
* 42 Chlorobromomethane	128	12.862	12.857	0.005	69	304491	10.0	
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.264					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.751	14.751	0.0	92	1492766	10.0	
54 n-Butanol	56		15.034					
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.227					
A 61 GRO	1	16.556	6.598 -	26.515	0	10826146	199.9	E
A 62 TVOC as Toluene	1	16.647	4.314 -	28.981	0	10961105	112.3	
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
67 n-Octane	43		17.661					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.956					
74 1,2-Dibromo-3-Chloropropane TIC	75		19.300					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	82	1283110	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
78 n-Nonane	57		20.678					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					

Report Date: 06-Feb-2014 12:51:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	781382	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
87 1,2,3-Trichloropropane	75		22.775					
88 n-Decane	57		22.861					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
91 Alpha Methyl Styrene	118		23.359					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
99 Undecane	57		24.637					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
102 Dodecane	57		26.440					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					
106 1,2,3-Trichlorobenzene	180		28.890					
108 Total Alkanes	1		0.0					
109 Total Hydrocarbons	1		0.0					
110 BFB								

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

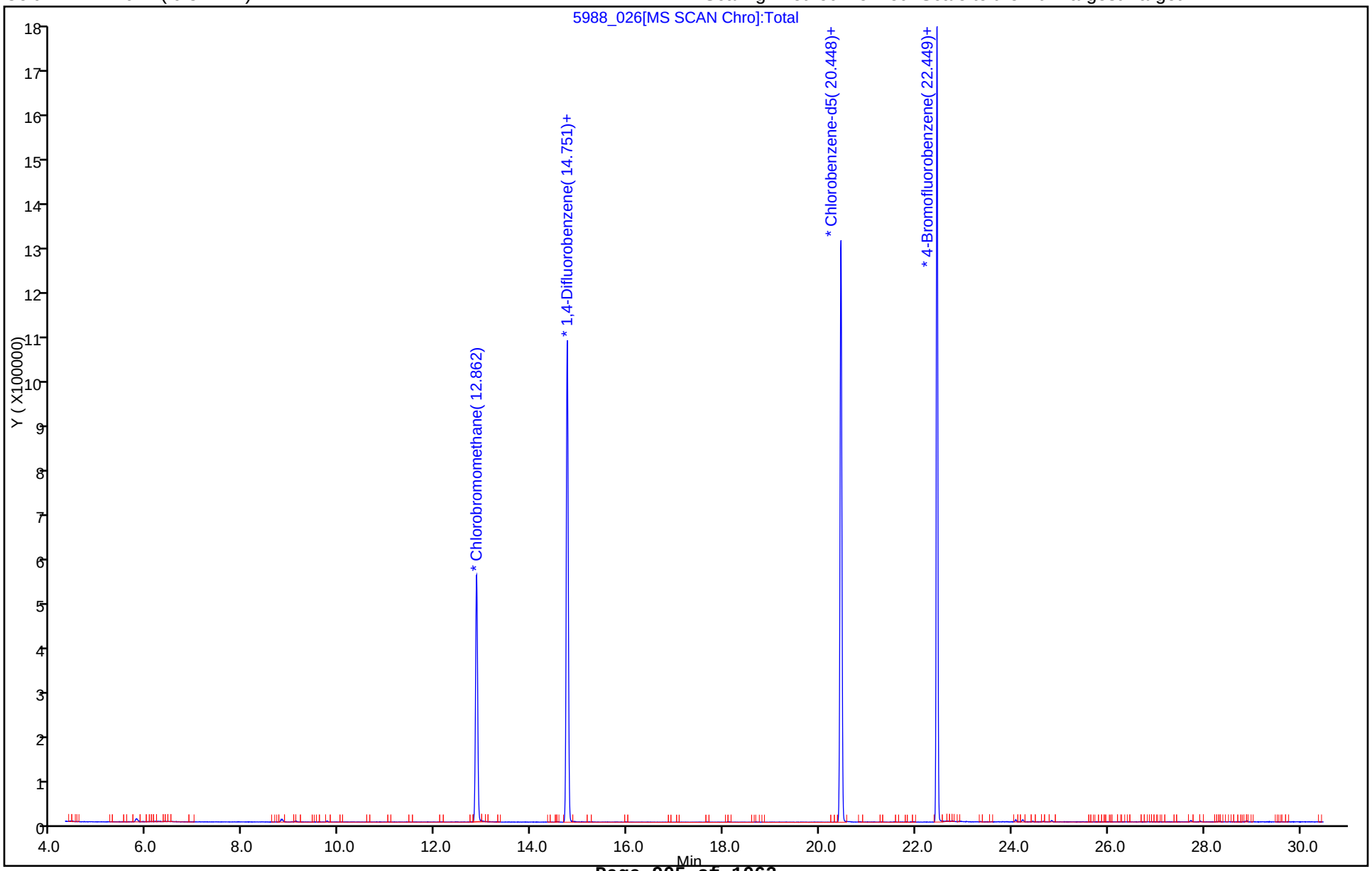
Report Date: 06-Feb-2014 12:51:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d

Injection Date:	05-Feb-2014 15:38:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	MB	Lab Sample ID:	MB 200-67984/26-A	Worklist Smp#:	26
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab File ID: 5988_026.d Lab Sample ID: MB 200-67984/26

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 02/05/2014 15:38

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-67984/25	5988_025.d	02/05/2014 14:47
2631	200-20763-7	5988_007.d	02/05/2014 19:00

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d
Lims ID: MB Lab Sample ID: MB 200-67984/26-A
Client ID:
Sample Type: MB
Inject. Date: 05-Feb-2014 15:38:30 ALS Bottle#: 5 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005988-026
Misc. Info.: MB
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 06-Feb-2014 12:51:08 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: lyonsb Date: 06-Feb-2014 11:20:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
2 Difluoroethane TIC	51		3.150					
3 Chlorotrifluoroethene TIC	116		3.162					
4 Freon 115 TIC	85		3.180					
5 1,1,1-Trifluoro-2,2-dichloroetha	83		3.200					
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
15 2-Methylbutane	43		6.684					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.186					
25 Methyl Acetate TIC	43		7.200					
18 Pentane	43		7.352					
19 Ethanol	45		7.807					
20 Ethyl ether	59		7.941					
21 Acrolein	56		8.406					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.518					
24 Acetone	43		8.749					
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.037					
28 3-Chloro-1-propene	41		9.407					
29 Acetonitrile	41		9.540					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.915					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
34 Acrylonitrile	53		10.386					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.241					
47 Methyl cyclohexane TIC	55		11.500					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.397					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.852					
* 42 Chlorobromomethane	128	12.862	12.857	0.005	69	304491	10.0	
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.264					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.751	14.751	0.0	92	1492766	10.0	
54 n-Butanol	56		15.034					
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.227					
A 61 GRO	1	16.556	6.598 -	26.515	0	10826146	199.9	E
A 62 TVOC as Toluene	1	16.647	4.314 -	28.981	0	10961105	112.3	
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
67 n-Octane	43		17.661					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.956					
74 1,2-Dibromo-3-Chloropropane TIC	75		19.300					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	82	1283110	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
78 n-Nonane	57		20.678					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	781382	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
87 1,2,3-Trichloropropane	75		22.775					
88 n-Decane	57		22.861					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
91 Alpha Methyl Styrene	118		23.359					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
99 Undecane	57		24.637					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
102 Dodecane	57		26.440					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					
106 1,2,3-Trichlorobenzene	180		28.890					
108 Total Alkanes	1		0.0					
109 Total Hydrocarbons	1		0.0					
110 BFB								

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

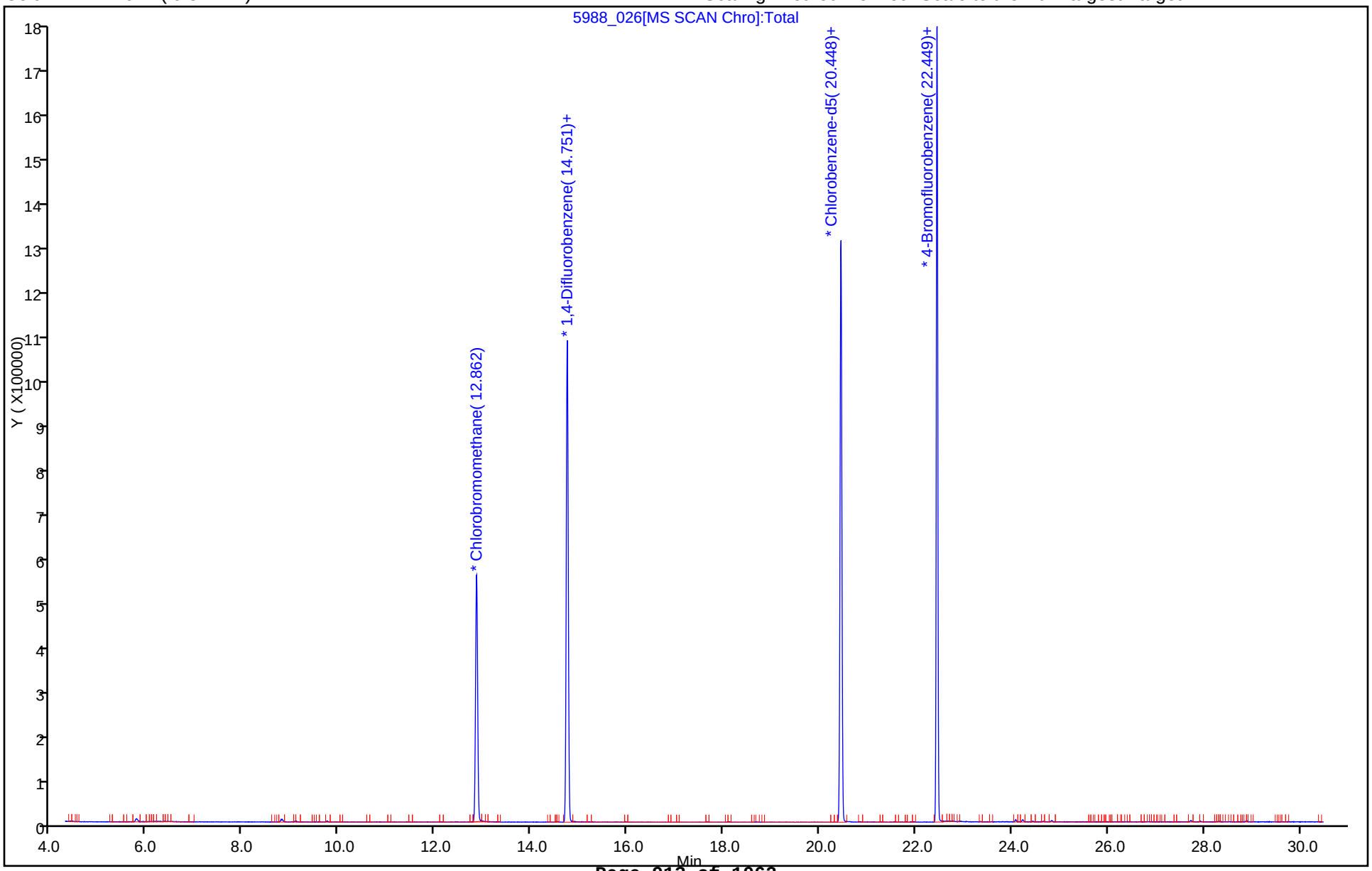
Report Date: 06-Feb-2014 12:51:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d

Injection Date:	05-Feb-2014 15:38:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	MB	Lab Sample ID:	MB 200-67984/26-A	Worklist Smp#:	26
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab File ID: 5988_026.d Lab Sample ID: MB 200-67984/26

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHW.i Date Analyzed: 02/05/2014 15:38

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-67984/25	5988_025.d	02/05/2014 14:47
2523	200-20780-8	5988_005.d	02/05/2014 16:44

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-67984/26

Matrix: Air Lab File ID: 5988_026.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/05/2014 15:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d
Lims ID: MB Lab Sample ID: MB 200-67984/26-A
Client ID:
Sample Type: MB
Inject. Date: 05-Feb-2014 15:38:30 ALS Bottle#: 5 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0005988-026
Misc. Info.: MB
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 06-Feb-2014 12:51:08 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: lyonsb Date: 06-Feb-2014 11:20:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
2 Difluoroethane TIC	51		3.150					
3 Chlorotrifluoroethene TIC	116		3.162					
4 Freon 115 TIC	85		3.180					
5 1,1,1-Trifluoro-2,2-dichloroetha	83		3.200					
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
15 2-Methylbutane	43		6.684					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.186					
25 Methyl Acetate TIC	43		7.200					
18 Pentane	43		7.352					
19 Ethanol	45		7.807					
20 Ethyl ether	59		7.941					
21 Acrolein	56		8.406					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.518					
24 Acetone	43		8.749					
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.037					
28 3-Chloro-1-propene	41		9.407					
29 Acetonitrile	41		9.540					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.915					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
34 Acrylonitrile	53		10.386					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.241					
47 Methyl cyclohexane TIC	55		11.500					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.397					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.852					
* 42 Chlorobromomethane	128	12.862	12.857	0.005	69	304491	10.0	
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.264					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.751	14.751	0.0	92	1492766	10.0	
54 n-Butanol	56		15.034					
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.227					
A 61 GRO	1	16.556	6.598 -	26.515	0	10826146	199.9	E
A 62 TVOC as Toluene	1	16.647	4.314 -	28.981	0	10961105	112.3	
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
67 n-Octane	43		17.661					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.956					
74 1,2-Dibromo-3-Chloropropane TIC	75		19.300					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	82	1283110	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
78 n-Nonane	57		20.678					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	781382	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
87 1,2,3-Trichloropropane	75		22.775					
88 n-Decane	57		22.861					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
91 Alpha Methyl Styrene	118		23.359					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
99 Undecane	57		24.637					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
102 Dodecane	57		26.440					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					
106 1,2,3-Trichlorobenzene	180		28.890					
108 Total Alkanes	1		0.0					
109 Total Hydrocarbons	1		0.0					
110 BFB								

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

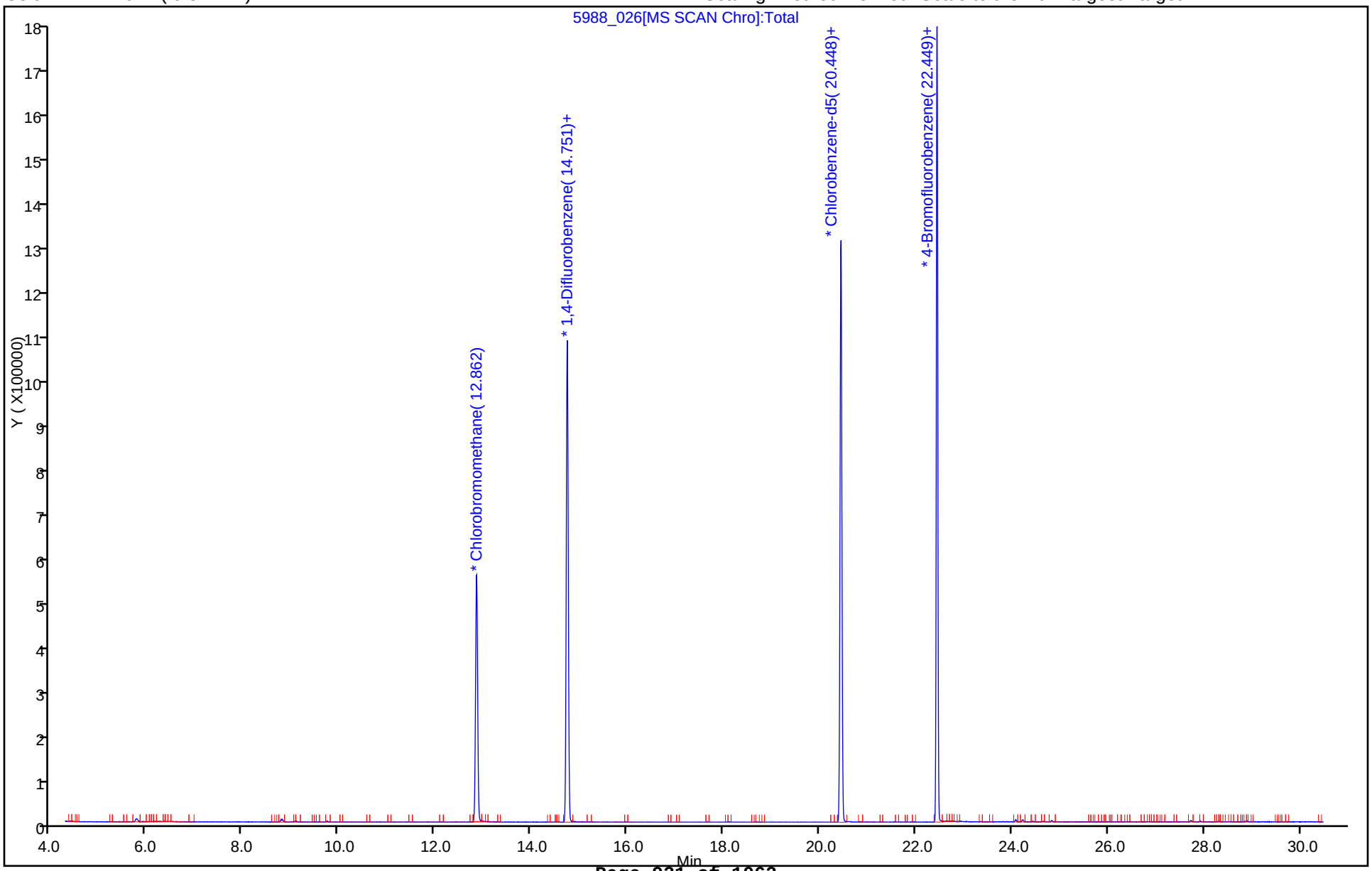
Report Date: 06-Feb-2014 12:51:09 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_026.d

Injection Date:	05-Feb-2014 15:38:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	MB	Lab Sample ID:	MB 200-67984/26-A	Worklist Smp#:	26
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab File ID: wak001.d BFB Injection Date: 12/12/2013

Instrument ID: CHW.i BFB Injection Time: 15:40

Analysis Batch No.: 65929

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.0	
75	30.0 - 66.0% of mass 95	44.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	100.6	
175	4.0 - 9.0 % of mass 174	7.1	(7.1)1
176	93.0 - 101.0% of mass 174	97.7	(97.1)1
177	5.0 - 9.0% of mass 176	6.6	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-65929/4	wak004.d	12/12/2013	18:12
	IC 200-65929/5	wak005.d	12/12/2013	19:03
	IC 200-65929/6	wak006.d	12/12/2013	19:52
	IC 200-65929/7	wak007.d	12/12/2013	20:40
	ICIS 200-65929/8	wak008.d	12/12/2013	21:29
	IC 200-65929/9	wak009.d	12/12/2013	22:18
	IC 200-65929/10	wak010.d	12/12/2013	23:07
	IC 200-65929/11	wak011.d	12/12/2013	23:57
	ICV 200-65929/14	wak014.d	12/13/2013	02:26

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab File ID: 5988_001.d BFB Injection Date: 02/05/2014

Instrument ID: CHW.i BFB Injection Time: 11:05

Analysis Batch No.: 67984

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.7	
75	30.0 - 66.0% of mass 95	46.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.6	(0.5)1
174	50.0 - 120.0% of mass 95	104.5	
175	4.0 - 9.0 % of mass 174	7.3	(7.0)1
176	93.0 - 101.0% of mass 174	101.3	(96.9)1
177	5.0 - 9.0% of mass 176	6.7	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-67984/2	5988_002.d	02/05/2014	11:56
	LCS 200-67984/25	5988_025.d	02/05/2014	14:47
	MB 200-67984/26	5988_026.d	02/05/2014	15:38
5634	200-20735-6	5988_013.d	02/06/2014	08:58

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab File ID: wak001.d BFB Injection Date: 12/12/2013

Instrument ID: CHW.i BFB Injection Time: 15:40

Analysis Batch No.: 65929

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.0	
75	30.0 - 66.0% of mass 95	44.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	100.6	
175	4.0 - 9.0 % of mass 174	7.1	(7.1)1
176	93.0 - 101.0% of mass 174	97.7	(97.1)1
177	5.0 - 9.0% of mass 176	6.6	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-65929/4	wak004.d	12/12/2013	18:12
	IC 200-65929/5	wak005.d	12/12/2013	19:03
	IC 200-65929/6	wak006.d	12/12/2013	19:52
	IC 200-65929/7	wak007.d	12/12/2013	20:40
	ICIS 200-65929/8	wak008.d	12/12/2013	21:29
	IC 200-65929/9	wak009.d	12/12/2013	22:18
	IC 200-65929/10	wak010.d	12/12/2013	23:07
	IC 200-65929/11	wak011.d	12/12/2013	23:57
	ICV 200-65929/14	wak014.d	12/13/2013	02:26

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab File ID: 5988_001.d BFB Injection Date: 02/05/2014

Instrument ID: CHW.i BFB Injection Time: 11:05

Analysis Batch No.: 67984

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.7	
75	30.0 - 66.0% of mass 95	46.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.6	(0.5)1
174	50.0 - 120.0% of mass 95	104.5	
175	4.0 - 9.0 % of mass 174	7.3	(7.0)1
176	93.0 - 101.0% of mass 174	101.3	(96.9)1
177	5.0 - 9.0% of mass 176	6.7	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-67984/2	5988_002.d	02/05/2014	11:56
	LCS 200-67984/25	5988_025.d	02/05/2014	14:47
	MB 200-67984/26	5988_026.d	02/05/2014	15:38
3217	200-20762-12	5988_008.d	02/05/2014	20:06

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab File ID: wak001.d BFB Injection Date: 12/12/2013

Instrument ID: CHW.i BFB Injection Time: 15:40

Analysis Batch No.: 65929

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.0	
75	30.0 - 66.0% of mass 95	44.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	100.6	
175	4.0 - 9.0 % of mass 174	7.1	(7.1)1
176	93.0 - 101.0% of mass 174	97.7	(97.1)1
177	5.0 - 9.0% of mass 176	6.6	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-65929/4	wak004.d	12/12/2013	18:12
	IC 200-65929/5	wak005.d	12/12/2013	19:03
	IC 200-65929/6	wak006.d	12/12/2013	19:52
	IC 200-65929/7	wak007.d	12/12/2013	20:40
	ICIS 200-65929/8	wak008.d	12/12/2013	21:29
	IC 200-65929/9	wak009.d	12/12/2013	22:18
	IC 200-65929/10	wak010.d	12/12/2013	23:07
	IC 200-65929/11	wak011.d	12/12/2013	23:57
	ICV 200-65929/14	wak014.d	12/13/2013	02:26

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab File ID: 5988_001.d BFB Injection Date: 02/05/2014

Instrument ID: CHW.i BFB Injection Time: 11:05

Analysis Batch No.: 67984

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.7	
75	30.0 - 66.0% of mass 95	46.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.6	(0.5)1
174	50.0 - 120.0% of mass 95	104.5	
175	4.0 - 9.0 % of mass 174	7.3	(7.0)1
176	93.0 - 101.0% of mass 174	101.3	(96.9)1
177	5.0 - 9.0% of mass 176	6.7	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-67984/2	5988_002.d	02/05/2014	11:56
	LCS 200-67984/25	5988_025.d	02/05/2014	14:47
	MB 200-67984/26	5988_026.d	02/05/2014	15:38
2631	200-20763-7	5988_007.d	02/05/2014	19:00

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab File ID: wak001.d BFB Injection Date: 12/12/2013

Instrument ID: CHW.i BFB Injection Time: 15:40

Analysis Batch No.: 65929

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.0	
75	30.0 - 66.0% of mass 95	44.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	100.6	
175	4.0 - 9.0 % of mass 174	7.1	(7.1)1
176	93.0 - 101.0% of mass 174	97.7	(97.1)1
177	5.0 - 9.0% of mass 176	6.6	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-65929/4	wak004.d	12/12/2013	18:12
	IC 200-65929/5	wak005.d	12/12/2013	19:03
	IC 200-65929/6	wak006.d	12/12/2013	19:52
	IC 200-65929/7	wak007.d	12/12/2013	20:40
	ICIS 200-65929/8	wak008.d	12/12/2013	21:29
	IC 200-65929/9	wak009.d	12/12/2013	22:18
	IC 200-65929/10	wak010.d	12/12/2013	23:07
	IC 200-65929/11	wak011.d	12/12/2013	23:57
	ICV 200-65929/14	wak014.d	12/13/2013	02:26

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab File ID: 5988_001.d BFB Injection Date: 02/05/2014

Instrument ID: CHW.i BFB Injection Time: 11:05

Analysis Batch No.: 67984

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.7	
75	30.0 - 66.0% of mass 95	46.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.6	(0.5)1
174	50.0 - 120.0% of mass 95	104.5	
175	4.0 - 9.0 % of mass 174	7.3	(7.0)1
176	93.0 - 101.0% of mass 174	101.3	(96.9)1
177	5.0 - 9.0% of mass 176	6.7	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-67984/2	5988_002.d	02/05/2014	11:56
	LCS 200-67984/25	5988_025.d	02/05/2014	14:47
	MB 200-67984/26	5988_026.d	02/05/2014	15:38
2523	200-20780-8	5988_005.d	02/05/2014	16:44

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Sample No.: ICIS 200-65929/8 Date Analyzed: 12/12/2013 21:29

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): wak008.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		248225	12.87	1207029	14.76	1082079	20.45
UPPER LIMIT		347515	13.20	1689841	15.09	1514911	20.78
LOWER LIMIT		148935	12.54	724217	14.43	649247	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-65929/14		239504	12.87	1142712	14.75	1065474	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Sample No.: CCVIS 200-67984/2 Date Analyzed: 02/05/2014 11:56

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 5988_002.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		268504	12.86	1263079	14.75	1180358	20.45
UPPER LIMIT		375906	13.19	1768311	15.08	1652501	20.78
LOWER LIMIT		161102	12.53	757847	14.42	708215	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-67984/25		262124	12.86	1217427	14.75	1165109	20.45
MB 200-67984/26		304491	12.86	1492766	14.75	1283110	20.45
200-20735-6	5634	267894	12.85	1294923	14.74	1104655	20.44

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Sample No.: ICIS 200-65929/8 Date Analyzed: 12/12/2013 21:29

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): wak008.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		248225	12.87	1207029	14.76	1082079	20.45
UPPER LIMIT		347515	13.20	1689841	15.09	1514911	20.78
LOWER LIMIT		148935	12.54	724217	14.43	649247	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-65929/14		239504	12.87	1142712	14.75	1065474	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Sample No.: CCVIS 200-67984/2 Date Analyzed: 02/05/2014 11:56

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 5988_002.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		268504	12.86	1263079	14.75	1180358	20.45
UPPER LIMIT		375906	13.19	1768311	15.08	1652501	20.78
LOWER LIMIT		161102	12.53	757847	14.42	708215	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-67984/25		262124	12.86	1217427	14.75	1165109	20.45
MB 200-67984/26		304491	12.86	1492766	14.75	1283110	20.45
200-20762-12	3217	263456	12.87	1276266	14.76	1092574	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Sample No.: ICIS 200-65929/8 Date Analyzed: 12/12/2013 21:29

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): wak008.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		248225	12.87	1207029	14.76	1082079	20.45
UPPER LIMIT		347515	13.20	1689841	15.09	1514911	20.78
LOWER LIMIT		148935	12.54	724217	14.43	649247	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-65929/14		239504	12.87	1142712	14.75	1065474	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Sample No.: CCVIS 200-67984/2 Date Analyzed: 02/05/2014 11:56

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 5988_002.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		268504	12.86	1263079	14.75	1180358	20.45
UPPER LIMIT		375906	13.19	1768311	15.08	1652501	20.78
LOWER LIMIT		161102	12.53	757847	14.42	708215	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-67984/25		262124	12.86	1217427	14.75	1165109	20.45
MB 200-67984/26		304491	12.86	1492766	14.75	1283110	20.45
200-20763-7	2631	260314	12.86	1273595	14.75	1096431	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Sample No.: ICIS 200-65929/8 Date Analyzed: 12/12/2013 21:29

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): wak008.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		248225	12.87	1207029	14.76	1082079	20.45
UPPER LIMIT		347515	13.20	1689841	15.09	1514911	20.78
LOWER LIMIT		148935	12.54	724217	14.43	649247	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-65929/14		239504	12.87	1142712	14.75	1065474	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Sample No.: CCVIS 200-67984/2 Date Analyzed: 02/05/2014 11:56

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 5988_002.d Heated Purge: (Y/N) N

Calibration ID: 24715

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		268504	12.86	1263079	14.75	1180358	20.45
UPPER LIMIT		375906	13.19	1768311	15.08	1652501	20.78
LOWER LIMIT		161102	12.53	757847	14.42	708215	20.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-67984/25		262124	12.86	1217427	14.75	1165109	20.45
MB 200-67984/26		304491	12.86	1492766	14.75	1283110	20.45
200-20780-8	2523	285547	12.85	1390713	14.75	1200992	20.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Client Sample ID: 5634 Lab Sample ID: 200-20735-6

Matrix: Air Lab File ID: 5988_013.d

Analysis Method: TO-15 Date Collected: 01/31/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/06/2014 08:58

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U *	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U *	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U *	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U *	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U *	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U *	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U *	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U *	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U *	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U *	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U *	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U *	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U *	0.040	0.040
110-82-7	Cyclohexane	0.040	U *	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U *	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U *	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Client Sample ID: 5634 Lab Sample ID: 200-20735-6

Matrix: Air Lab File ID: 5988_013.d

Analysis Method: TO-15 Date Collected: 01/31/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/06/2014 08:58

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U *	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U *	0.040	0.040
142-82-5	n-Heptane	0.040	U *	0.040	0.040
79-01-6	Trichloroethene	0.040	U *	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U *	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U *	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U *	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U *	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U *	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U *	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U *	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U *	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U *	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U *	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U *	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U *	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U *	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U *	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U *	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U *	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Client Sample ID: 5634 Lab Sample ID: 200-20735-6

Matrix: Air Lab File ID: 5988_013.d

Analysis Method: TO-15 Date Collected: 01/31/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/06/2014 08:58

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U *	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

Report Date: 06-Feb-2014 11:30:51 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_013.d
Lims ID: 200-20735-A-6 Lab Sample ID: 200-20735-6
Client ID: 5634
Sample Type: Client
Inject. Date: 06-Feb-2014 08:58:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0005988-013
Misc. Info.: 200-20735-a-6
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 06-Feb-2014 11:30:50 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: lyonsb Date: 06-Feb-2014 11:30:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.186					
19 Ethanol	45		7.807					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.518					
24 Acetone	43	8.775	8.749	0.027	58	7725	0.2069	M
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.037					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.915					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.241					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.397					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.852					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 42 Chlorobromomethane	128	12.852	12.857	-0.005	67	267894	10.0	
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.264					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.740	14.751	-0.011	93	1294923	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.227					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.956					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.443	20.448	-0.005	83	1104655	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.444	22.449	-0.005	0	733975	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags

110 BFB

QC Flag Legend

Review Flags
M - Manually Integrated

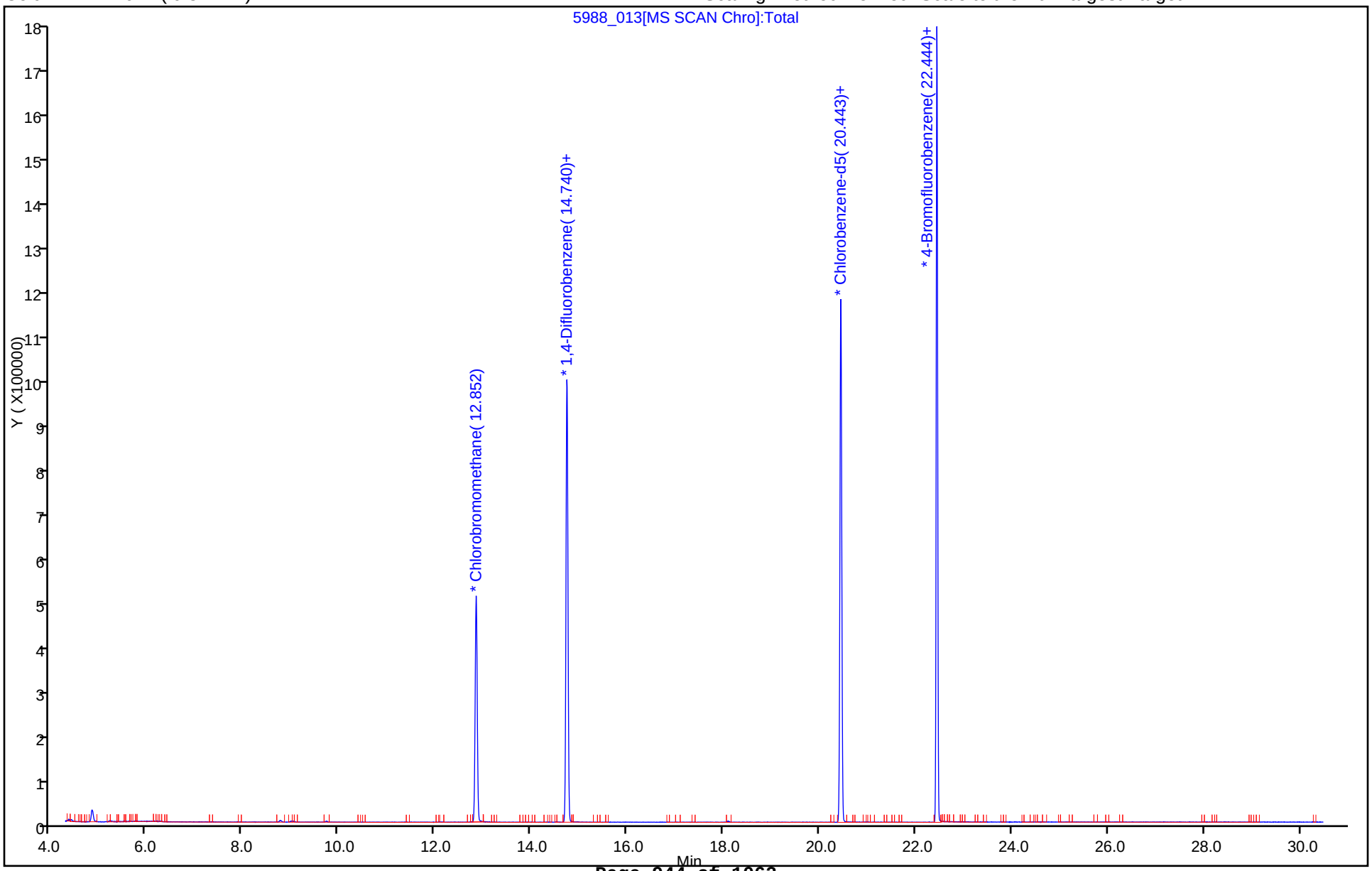
Report Date: 06-Feb-2014 11:30:51 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_013.d

Injection Date:	06-Feb-2014 08:58:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	200-20735-A-6	Lab Sample ID:	200-20735-6	Worklist Smp#:	13
Client ID:	5634				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	12
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

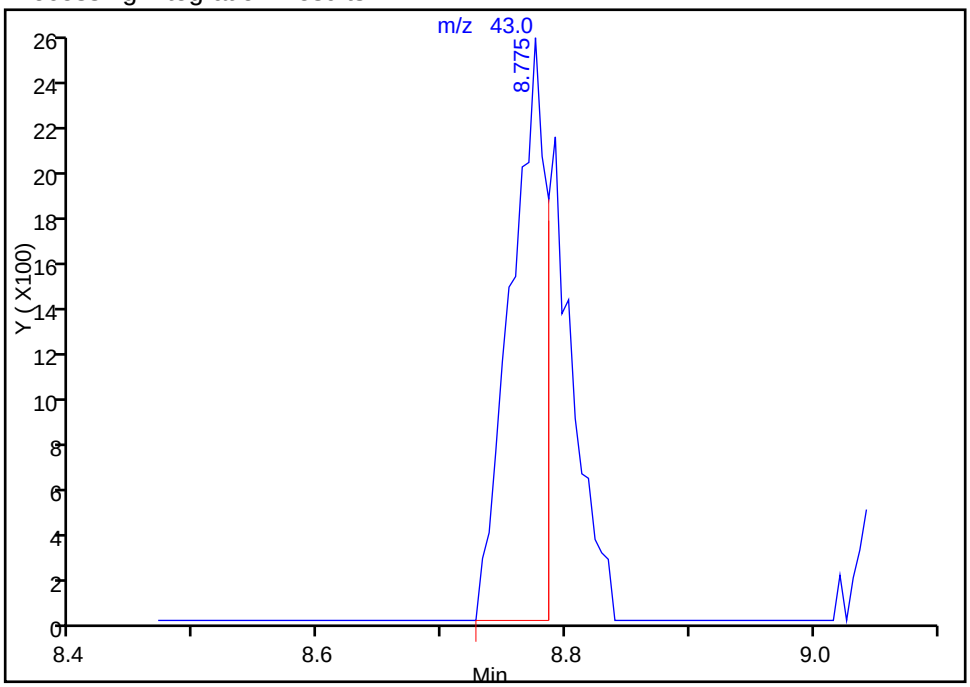
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_013.d				
Injection Date:	06-Feb-2014 08:58:30	Instrument ID:	CHW.i		
Lims ID:	200-20735-A-6	Lab Sample ID:	200-20735-6		
Client ID:	5634				
Operator ID:	PAD	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

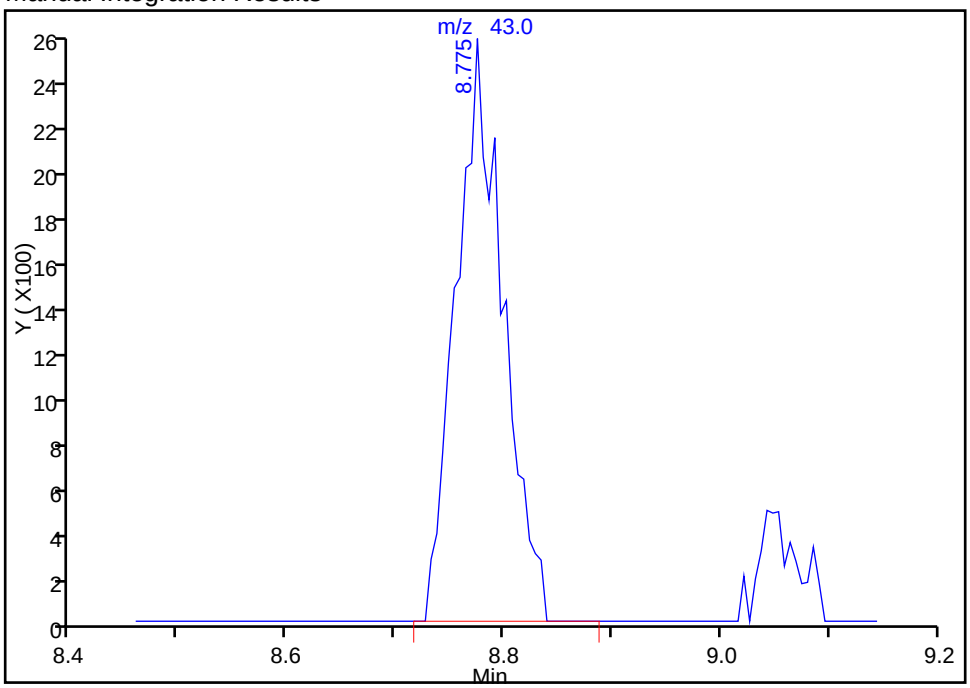
Processing Integration Results

RT: 8.78
Response: 5156
Amount: 0.138083



Manual Integration Results

RT: 8.78
Response: 7725
Amount: 0.206883



Reviewer: lyonsb, 06-Feb-2014 11:30:05
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

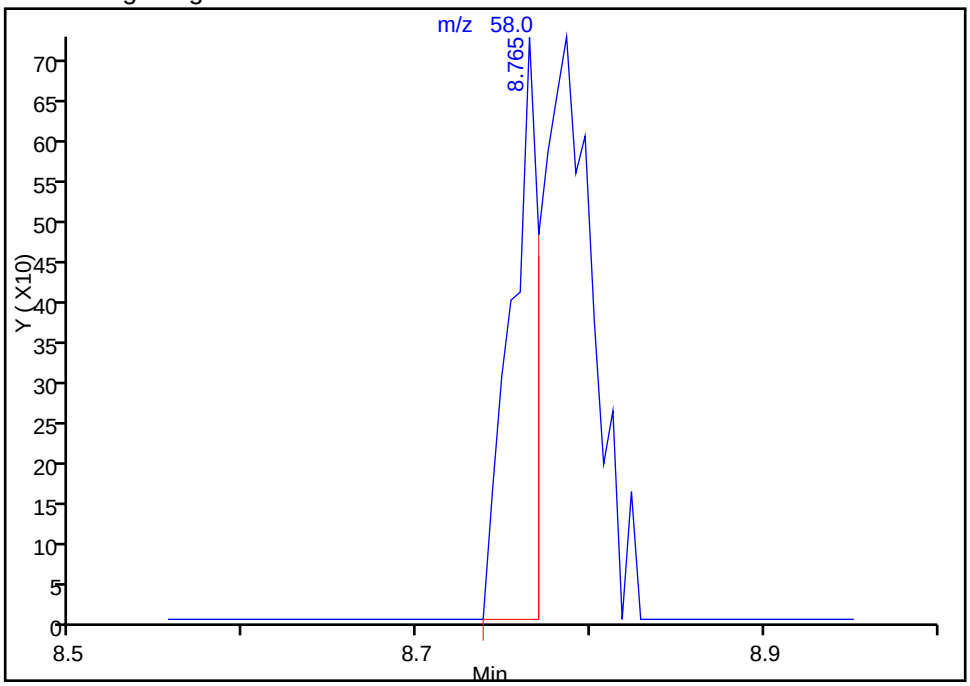
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_013.d				
Injection Date:	06-Feb-2014 08:58:30	Instrument ID:	CHW.i		
Lims ID:	200-20735-A-6	Lab Sample ID:	200-20735-6		
Client ID:	5634				
Operator ID:	PAD	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

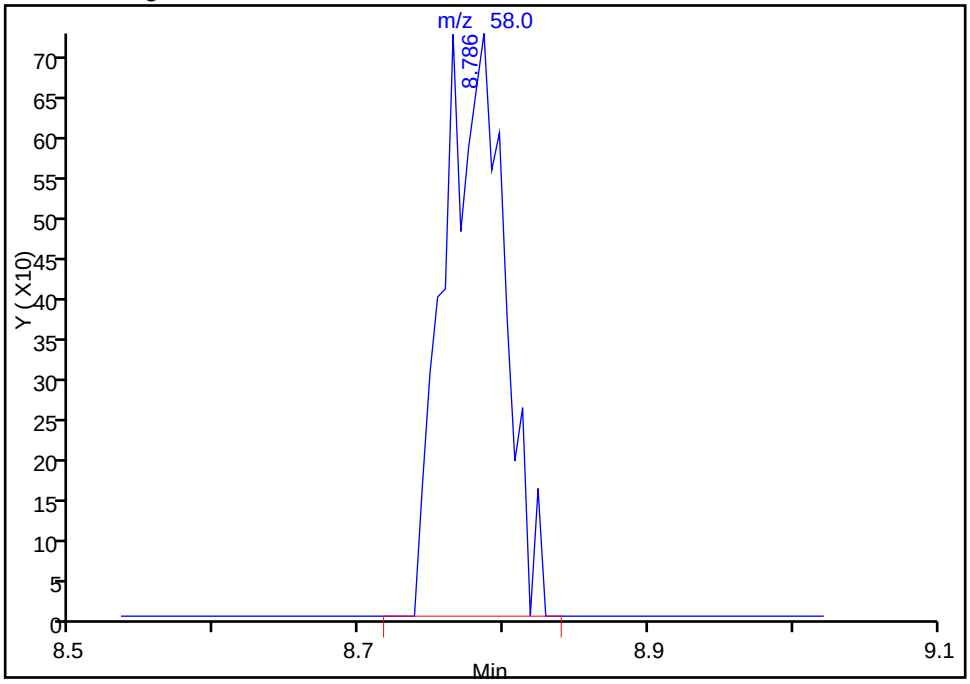
Processing Integration Results

RT: 8.76
Response: 788
Amount: 0.138083



Manual Integration Results

RT: 8.79
Response: 2096
Amount: 0.206883



Reviewer: lyonsb, 06-Feb-2014 11:30:05
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Client Sample ID: 3217 Lab Sample ID: 200-20762-12

Matrix: Air Lab File ID: 5988_008.d

Analysis Method: TO-15 Date Collected: 02/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 20:06

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U *	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U *	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U *	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U *	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U *	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U *	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U *	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U *	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U *	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U *	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U *	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U *	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U *	0.040	0.040
110-82-7	Cyclohexane	0.040	U *	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U *	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U *	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Client Sample ID: 3217 Lab Sample ID: 200-20762-12

Matrix: Air Lab File ID: 5988_008.d

Analysis Method: TO-15 Date Collected: 02/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 20:06

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U *	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U *	0.040	0.040
142-82-5	n-Heptane	0.040	U *	0.040	0.040
79-01-6	Trichloroethene	0.040	U *	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U *	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U *	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U *	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U *	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U *	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U *	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U *	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U *	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U *	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U *	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U *	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U *	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U *	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U *	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U *	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U *	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Client Sample ID: 3217 Lab Sample ID: 200-20762-12

Matrix: Air Lab File ID: 5988_008.d

Analysis Method: TO-15 Date Collected: 02/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 20:06

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U *	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_008.d
Lims ID: 200-20762-A-12 Lab Sample ID: 200-20762-12
Client ID: 3217
Sample Type: Client
Inject. Date: 05-Feb-2014 20:06:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0005988-008
Misc. Info.: 200-20762-A-12
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 06-Feb-2014 11:30:50 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: lyonsb Date: 06-Feb-2014 11:23:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.186					
19 Ethanol	45		7.807					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.518					
24 Acetone	43	8.845	8.749	0.097	74	6661	0.1814	M
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45	9.139	9.037	0.102	44	3291	0.1263	M
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.915					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.241					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.397					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.852					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 42 Chlorobromomethane	128	12.873	12.857	0.016	69	263456	10.0	
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.264					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.756	14.751	0.005	92	1276266	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.227					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.956					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	84	1092574	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	710333	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags

110 BFB

QC Flag Legend

Review Flags
M - Manually Integrated

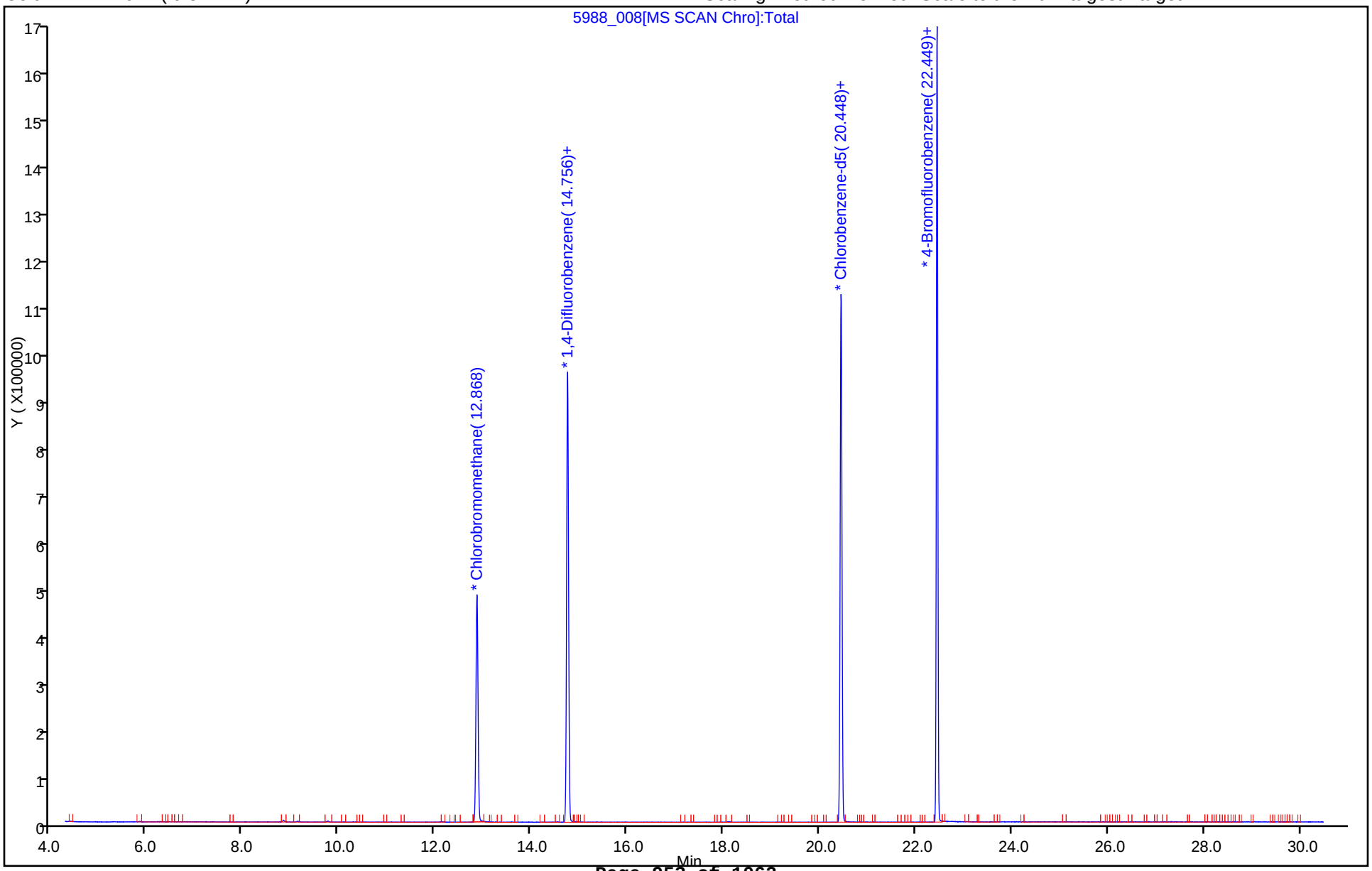
Report Date: 06-Feb-2014 11:30:55 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_008.d

Injection Date:	05-Feb-2014 20:06:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	200-20762-A-12	Lab Sample ID:	200-20762-12	Worklist Smp#:	8
Client ID:	3217				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	7
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

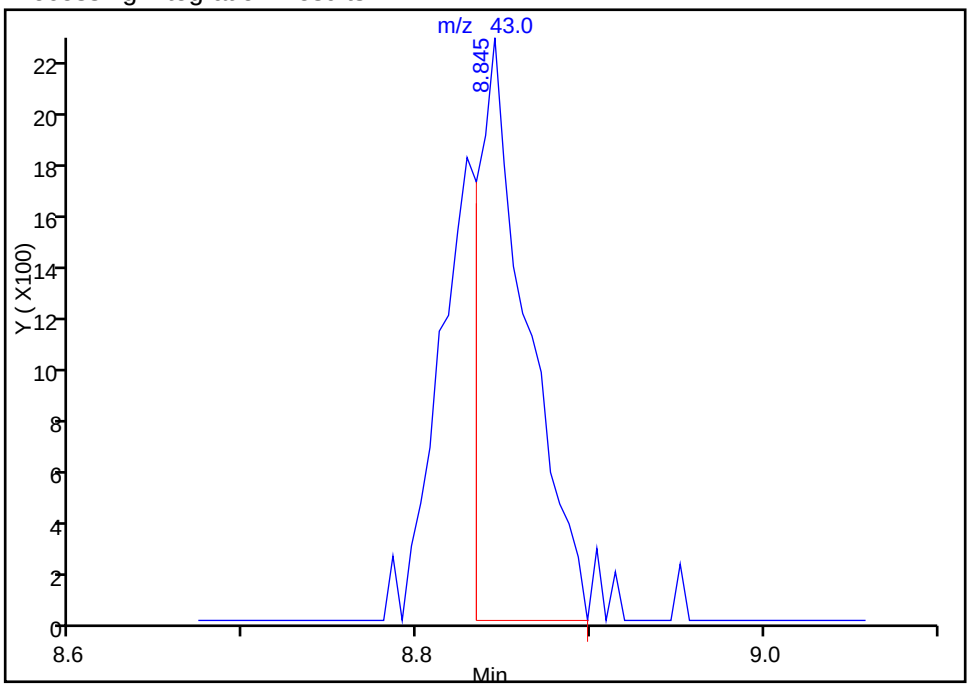
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_008.d				
Injection Date:	05-Feb-2014 20:06:30	Instrument ID:	CHW.i		
Lims ID:	200-20762-A-12	Lab Sample ID:	200-20762-12		
Client ID:	3217				
Operator ID:	PAD	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

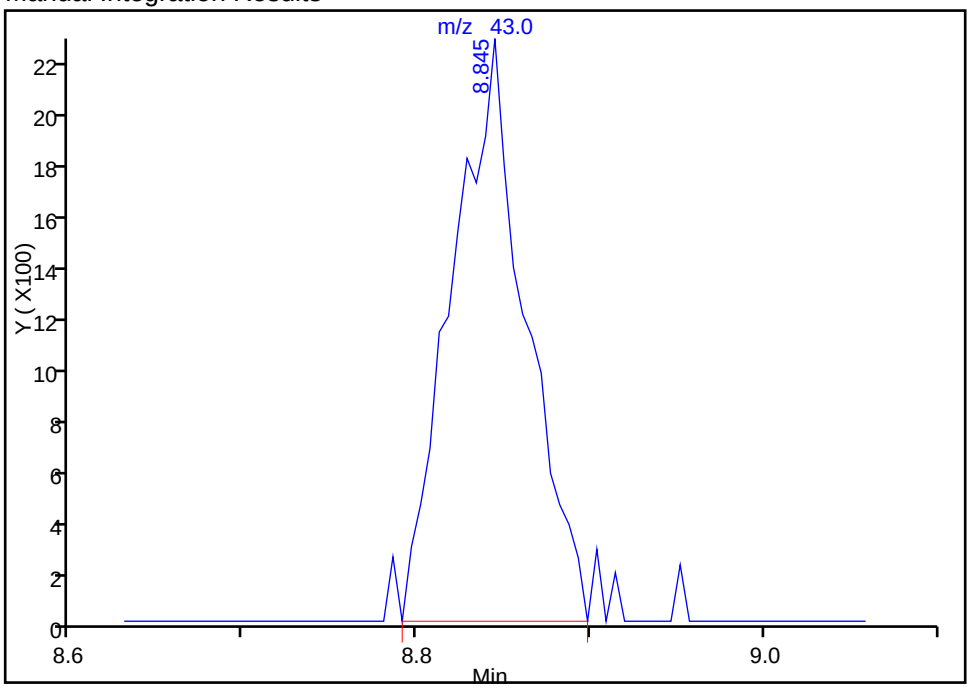
Processing Integration Results

RT: 8.84
Response: 4423
Amount: 0.120448



Manual Integration Results

RT: 8.84
Response: 6661
Amount: 0.181393



Reviewer: lyonsb, 06-Feb-2014 11:23:54
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

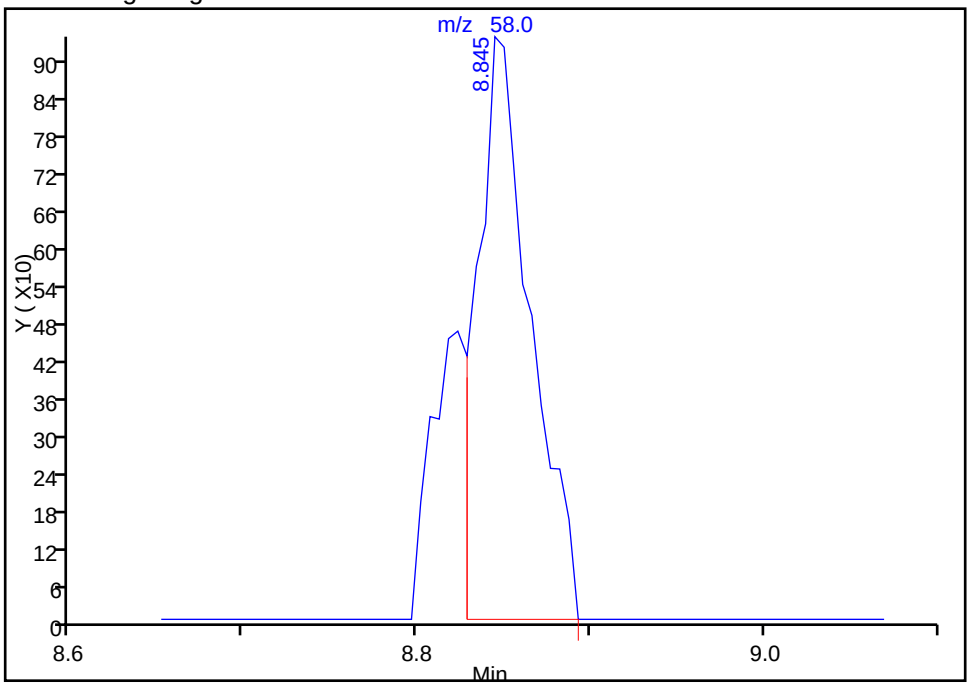
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_008.d				
Injection Date:	05-Feb-2014 20:06:30	Instrument ID:	CHW.i		
Lims ID:	200-20762-A-12	Lab Sample ID:	200-20762-12		
Client ID:	3217				
Operator ID:	PAD	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

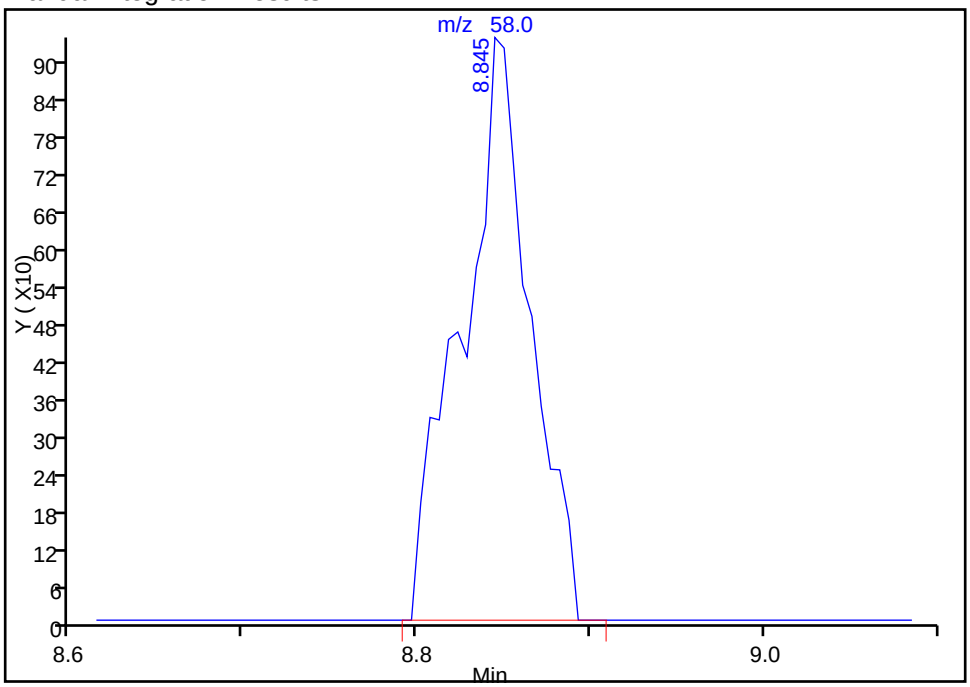
Processing Integration Results

RT: 8.84
Response: 1995
Amount: 0.120448



Manual Integration Results

RT: 8.84
Response: 2555
Amount: 0.181393



Reviewer: lyonsb, 06-Feb-2014 11:23:54
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

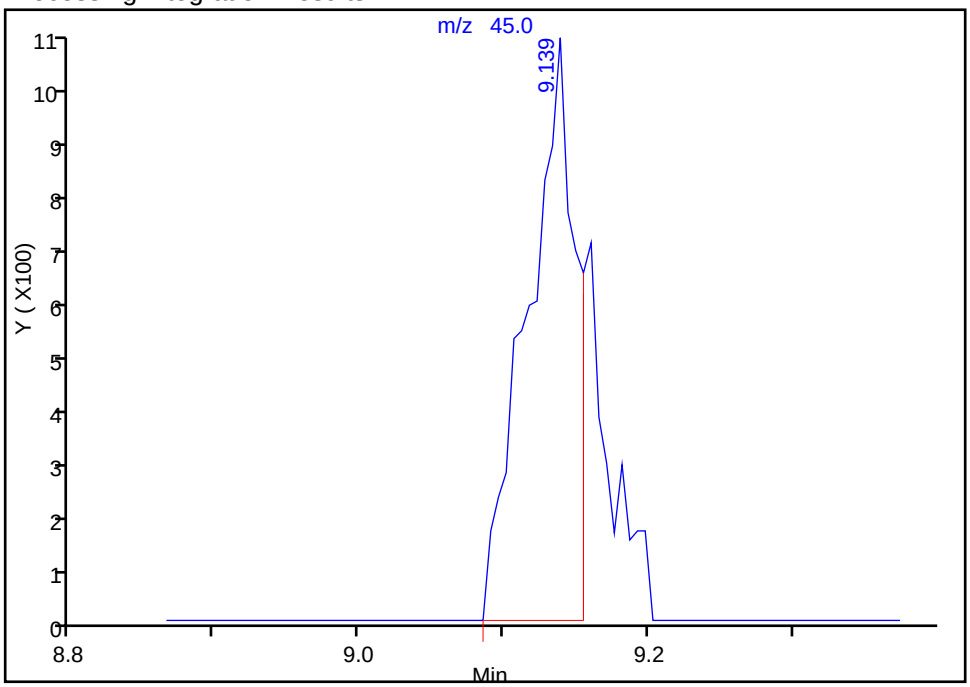
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_008.d				
Injection Date:	05-Feb-2014 20:06:30	Instrument ID:	CHW.i		
Lims ID:	200-20762-A-12	Lab Sample ID:	200-20762-12		
Client ID:	3217				
Operator ID:	PAD	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0

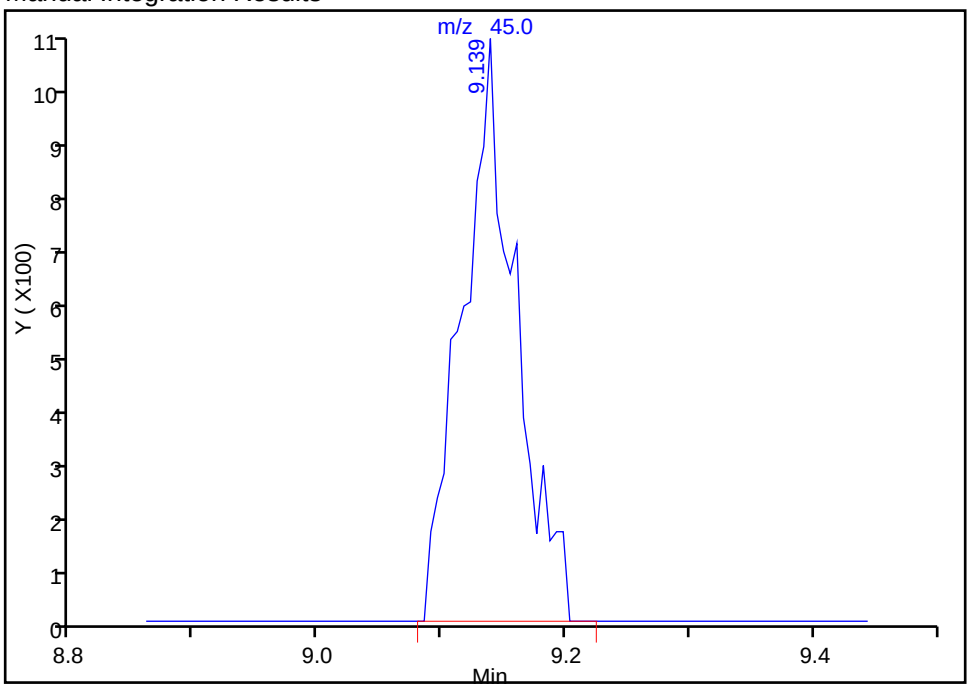
Processing Integration Results

RT: 9.14
Response: 2539
Amount: 0.097459



Manual Integration Results

RT: 9.14
Response: 3291
Amount: 0.126324



Reviewer: lyonsb, 06-Feb-2014 11:23:54
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

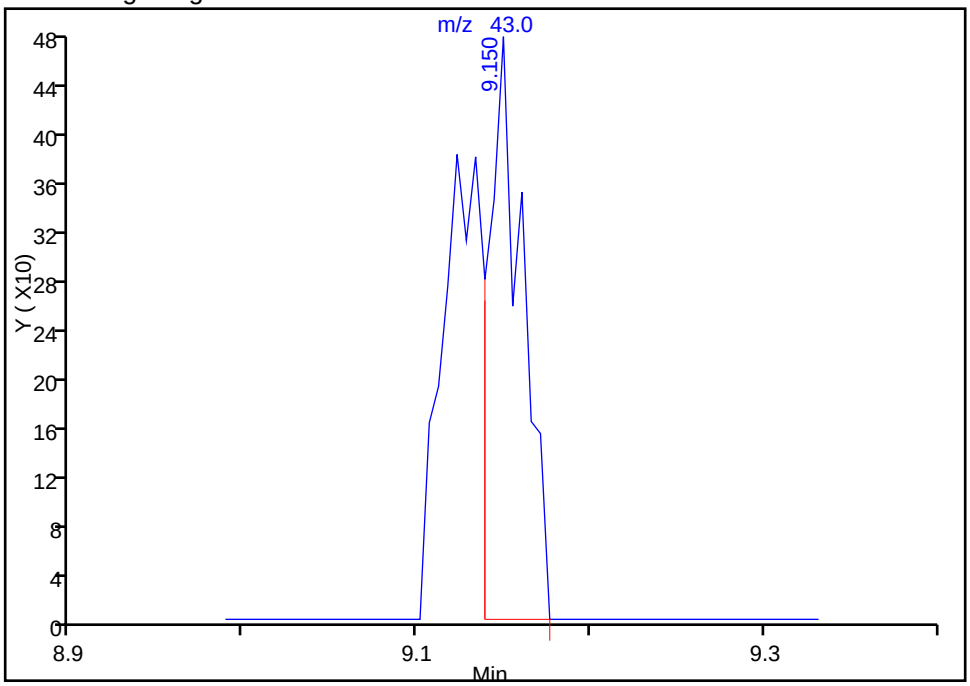
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_008.d				
Injection Date:	05-Feb-2014 20:06:30	Instrument ID:	CHW.i		
Lims ID:	200-20762-A-12	Lab Sample ID:	200-20762-12		
Client ID:	3217				
Operator ID:	PAD	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0

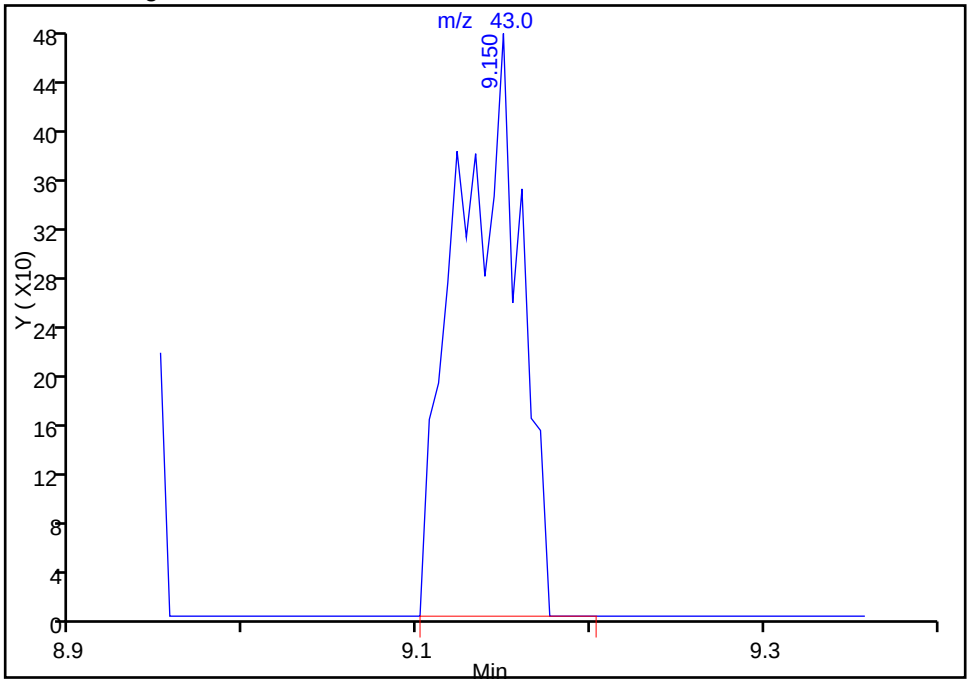
Processing Integration Results

RT: 9.15
Response: 652
Amount: 0.097459



Manual Integration Results

RT: 9.15
Response: 1200
Amount: 0.126324



Reviewer: lyonsb, 06-Feb-2014 11:23:54
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Client Sample ID: 2631 Lab Sample ID: 200-20763-7

Matrix: Air Lab File ID: 5988_007.d

Analysis Method: TO-15 Date Collected: 02/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 19:00

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U *	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U *	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U *	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U *	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U *	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U *	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U *	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U *	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U *	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U *	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U *	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U *	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U *	0.040	0.040
110-82-7	Cyclohexane	0.040	U *	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U *	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U *	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Client Sample ID: 2631 Lab Sample ID: 200-20763-7

Matrix: Air Lab File ID: 5988_007.d

Analysis Method: TO-15 Date Collected: 02/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 19:00

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U *	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U *	0.040	0.040
142-82-5	n-Heptane	0.040	U *	0.040	0.040
79-01-6	Trichloroethene	0.040	U *	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U *	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U *	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U *	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U *	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U *	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U *	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U *	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U *	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U *	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U *	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U *	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U *	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U *	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U *	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U *	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U *	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Client Sample ID: 2631 Lab Sample ID: 200-20763-7

Matrix: Air Lab File ID: 5988_007.d

Analysis Method: TO-15 Date Collected: 02/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 19:00

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U *	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_007.d
Lims ID: 200-20763-A-7 Lab Sample ID: 200-20763-7
Client ID: 2631
Sample Type: Client
Inject. Date: 05-Feb-2014 19:00:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0005988-007
Misc. Info.: 200-20763-A-7
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 06-Feb-2014 11:30:50 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: lyonsb Date: 06-Feb-2014 11:23:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.186					
19 Ethanol	45		7.807					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.518					
24 Acetone	43	8.775	8.749	0.027	71	9604	0.2647	
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.037					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.915					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.241					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.397					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.852					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 42 Chlorobromomethane	128	12.857	12.857	0.0	69	260314	10.0	
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.264					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.746	14.751	-0.005	92	1273595	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.227					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.956					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	84	1096431	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.444	22.449	-0.005	0	705251	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags

110 BFB

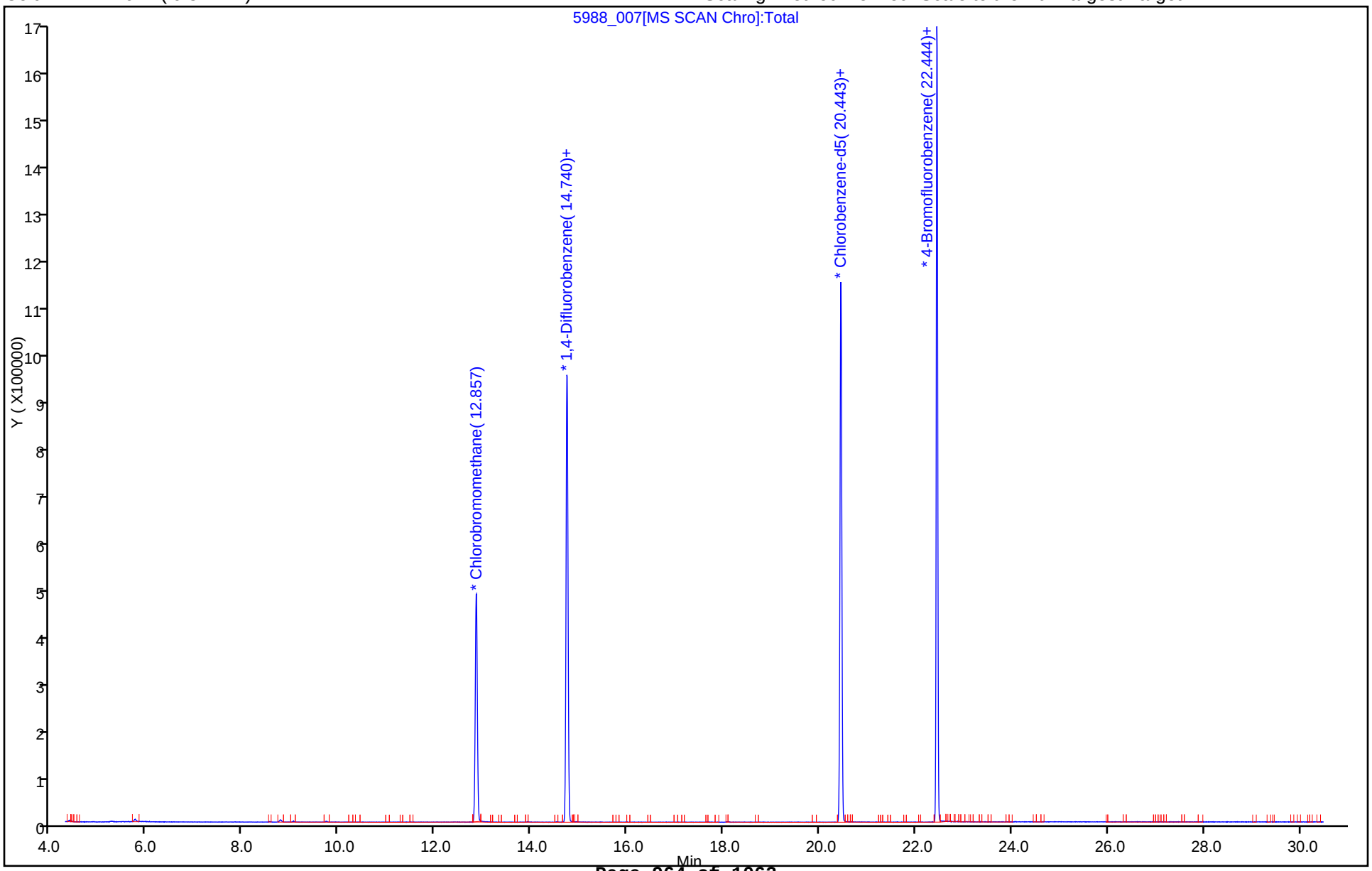
Report Date: 06-Feb-2014 11:30:56 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_007.d

Injection Date:	05-Feb-2014 19:00:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	200-20763-A-7	Lab Sample ID:	200-20763-7	Worklist Smp#:	7
Client ID:	2631				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	6
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Client Sample ID: 2523 Lab Sample ID: 200-20780-8

Matrix: Air Lab File ID: 5988_005.d

Analysis Method: TO-15 Date Collected: 02/04/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 16:44

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U *	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U *	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U *	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U *	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U *	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U *	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U *	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U *	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U *	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U *	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U *	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U *	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U *	0.040	0.040
110-82-7	Cyclohexane	0.040	U *	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U *	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U *	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Client Sample ID: 2523 Lab Sample ID: 200-20780-8

Matrix: Air Lab File ID: 5988_005.d

Analysis Method: TO-15 Date Collected: 02/04/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 16:44

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U *	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U *	0.040	0.040
142-82-5	n-Heptane	0.040	U *	0.040	0.040
79-01-6	Trichloroethene	0.040	U *	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U *	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U *	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U *	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U *	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U *	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U *	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U *	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U *	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U *	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U *	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U *	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U *	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U *	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U *	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U *	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U *	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Client Sample ID: 2523 Lab Sample ID: 200-20780-8

Matrix: Air Lab File ID: 5988_005.d

Analysis Method: TO-15 Date Collected: 02/04/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 02/05/2014 16:44

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 67984 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U *	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_005.d
Lims ID: 200-20780-A-8 Lab Sample ID: 200-20780-8
Client ID: 2523
Sample Type: Client
Inject. Date: 05-Feb-2014 16:44:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0005988-005
Misc. Info.: 200-20780-A-8
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\TO15v5_W.m
Limit Group: AI_TO15_Limits
Last Update: 06-Feb-2014 11:30:50 Calib Date: 12-Dec-2013 23:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: lyonsb Date: 06-Feb-2014 11:21:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51	4.538	4.533	0.005	57	6023	0.1422	M
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.186					
19 Ethanol	45		7.807					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.518					
24 Acetone	43		8.749					
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.037					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.915					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
35 Hexane	57		10.648					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.241					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.397					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.852					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 42 Chlorobromomethane	128	12.852	12.857	-0.005	69	285547	10.0	
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.264					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.927					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.745	14.751	-0.006	92	1390713	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.730					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.227					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.661					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.956					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	83	1200992	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.833					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	765556	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.005					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags

110 BFB

QC Flag Legend

Review Flags
M - Manually Integrated

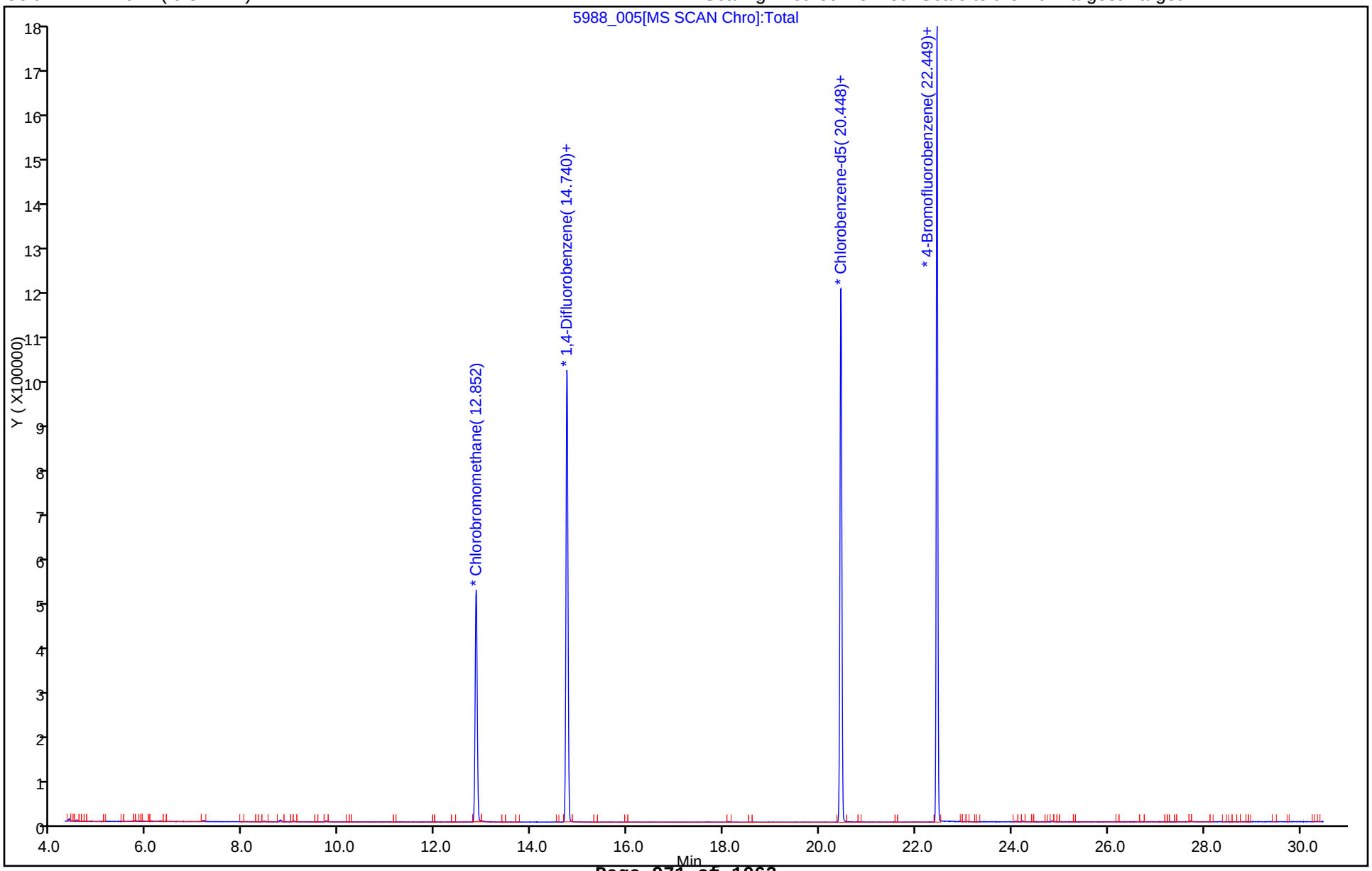
Report Date: 06-Feb-2014 11:30:58 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_005.d

Injection Date:	05-Feb-2014 16:44:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	200-20780-A-8	Lab Sample ID:	200-20780-8	Worklist Smp#:	5
Client ID:	2523				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	4
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

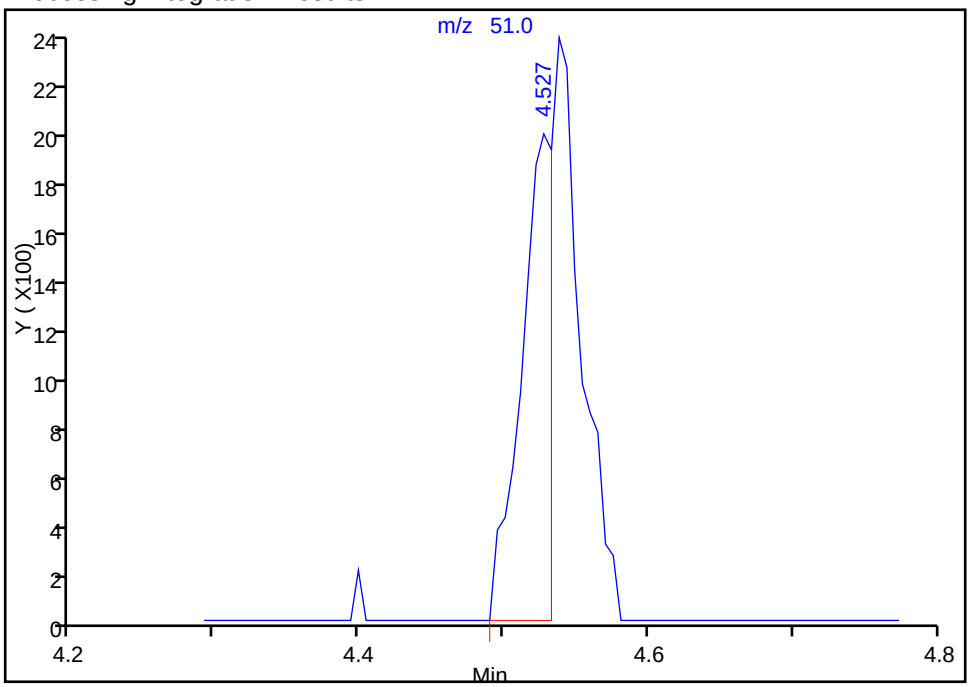
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_005.d				
Injection Date:	05-Feb-2014 16:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20780-A-8	Lab Sample ID:	200-20780-8		
Client ID:	2523				
Operator ID:	PAD	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Chlorodifluoromethane, CAS: 75-45-6

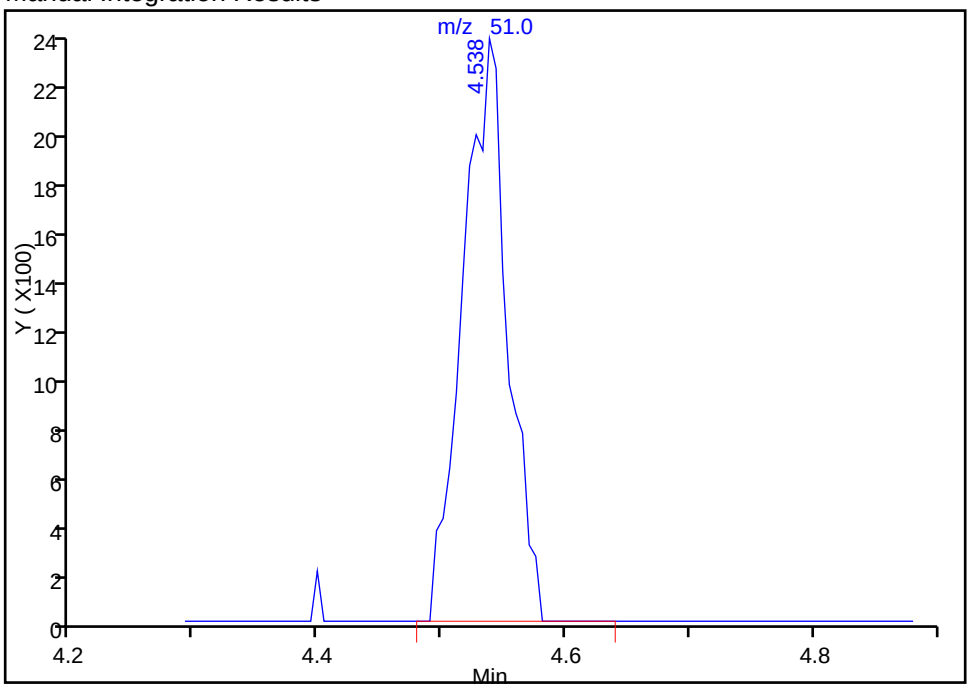
Processing Integration Results

RT: 4.53
Response: 3060
Amount: 0.072226



Manual Integration Results

RT: 4.54
Response: 6023
Amount: 0.142162



Reviewer: lyonsb, 06-Feb-2014 11:21:01
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

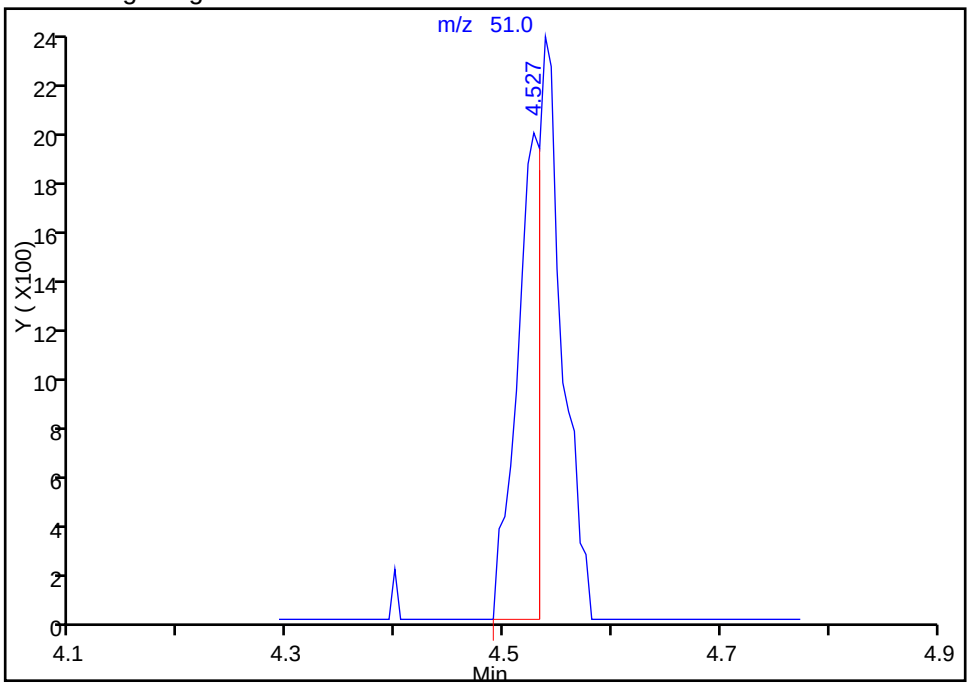
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_005.d				
Injection Date:	05-Feb-2014 16:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20780-A-8	Lab Sample ID:	200-20780-8		
Client ID:	2523				
Operator ID:	PAD	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Chlorodifluoromethane, CAS: 75-45-6

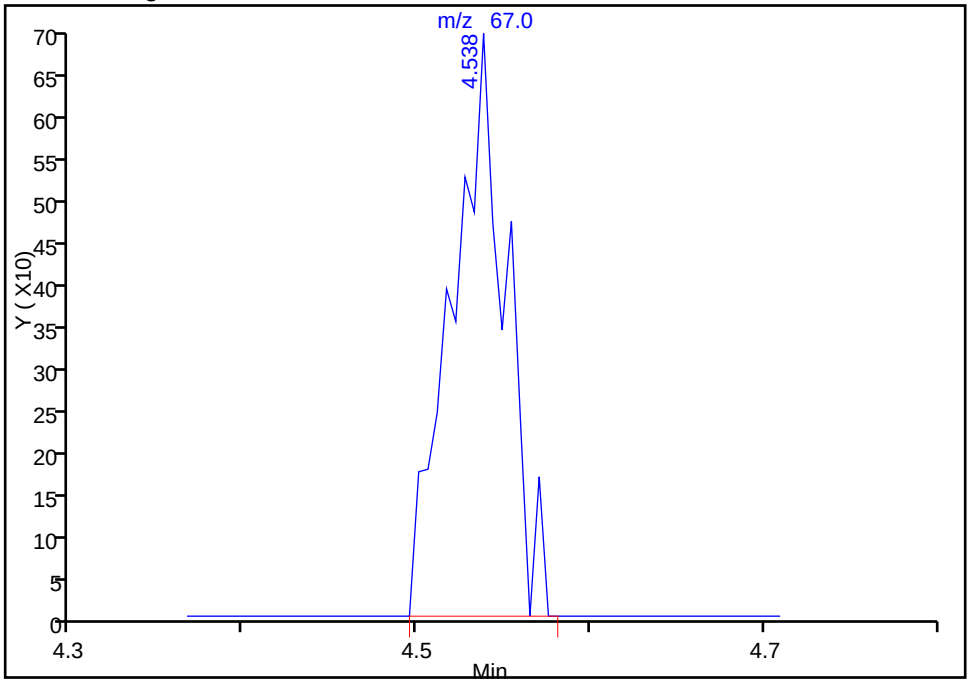
Processing Integration Results

RT: 4.53
Response: 0
Amount: 0.072226



Manual Integration Results

RT: 4.54
Response: 1518
Amount: 0.142162



Reviewer: lyonsb, 06-Feb-2014 11:21:01
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

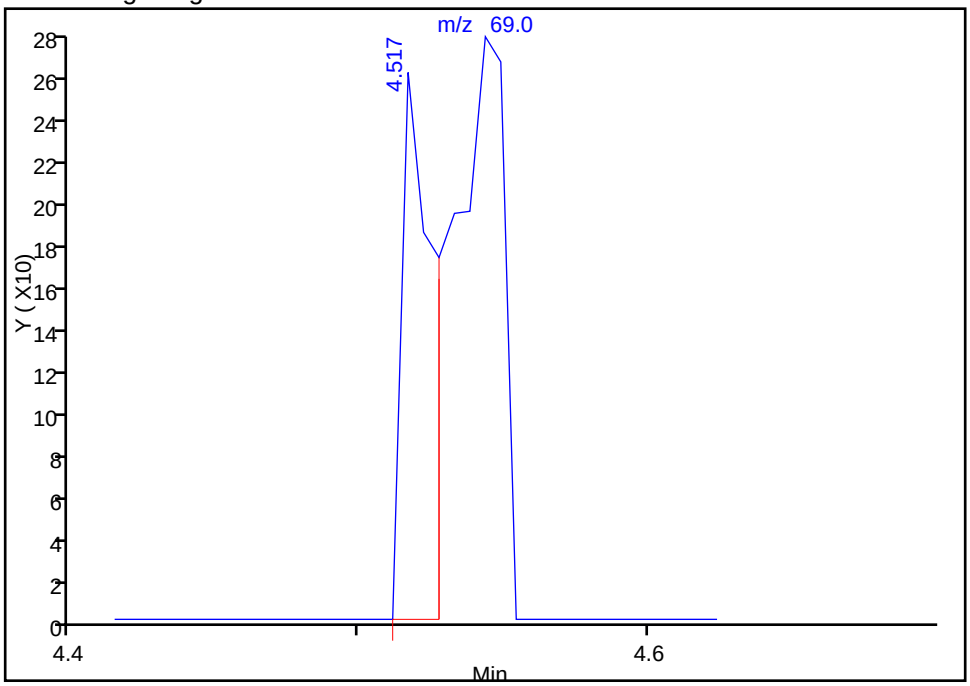
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140205-5988.b\5988_005.d				
Injection Date:	05-Feb-2014 16:44:30	Instrument ID:	CHW.i		
Lims ID:	200-20780-A-8	Lab Sample ID:	200-20780-8		
Client ID:	2523				
Operator ID:	PAD	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Chlorodifluoromethane, CAS: 75-45-6

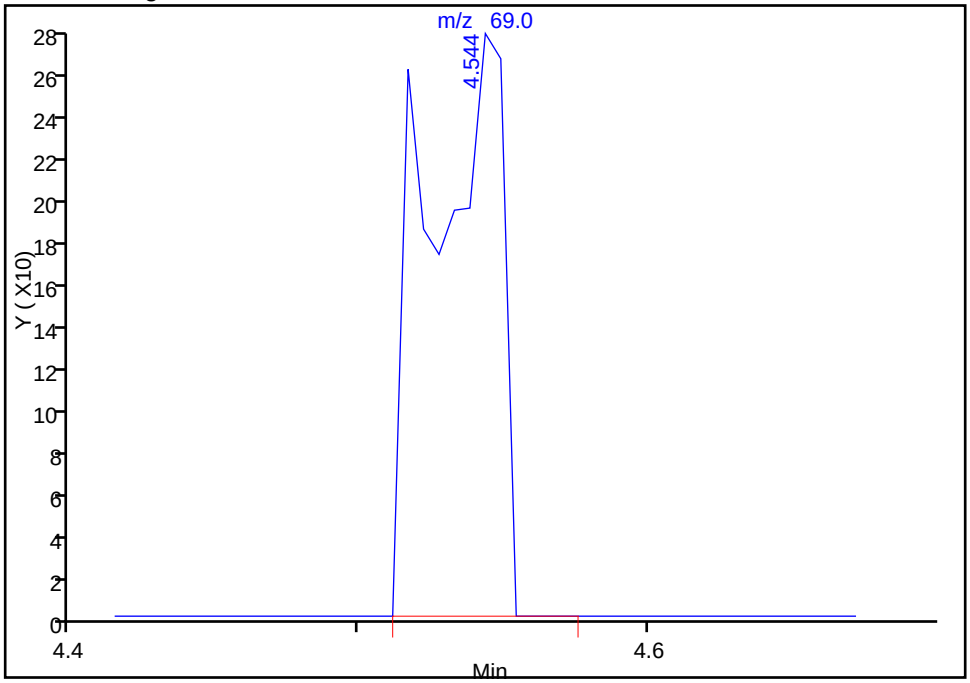
Processing Integration Results

RT: 4.52
Response: 198
Amount: 0.072226



Manual Integration Results

RT: 4.54
Response: 496
Amount: 0.142162



Reviewer: lyonsb, 06-Feb-2014 11:21:01
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5718	+++++ 0.5385	0.6481 0.5237	0.5011	0.5642	Ave		0.5579				9.2		30.0			
Dichlorodifluoromethane	+++++ 4.0127	+++++ 3.7871	4.0771 3.6104	3.5425	4.0272	Ave		3.8428				6.0		30.0			
Freon 22	+++++ 1.5431	+++++ 1.4802	1.5837 1.4422	1.3171	1.5358	Ave		1.4837				6.4		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.7079	3.6219 3.5041	3.8666 3.2874	3.2774	3.7402	Ave		3.5722				6.3		30.0			
Chloromethane	+++++ 0.6827	+++++ 0.6601	0.6793 0.6465	0.5944	0.6753	Ave		0.6564				5.1		30.0			
n-Butane	+++++ 1.1407	+++++ 1.1380	1.1873 1.0558	0.9660	1.1500	Ave		1.1063				7.3		30.0			
Vinyl chloride	0.7183 0.9248	0.8293 0.9388	0.8845 0.8637	0.7757	0.9228	Ave		0.8572				9.1		30.0			
1,3-Butadiene	+++++ 0.5933	0.5458 0.6313	0.3447 0.5801	0.5135	0.6028	Ave		0.5445				18.0		30.0			
Bromomethane	+++++ 0.9929	0.9302 0.9884	1.0175 0.9283	0.8407	0.9729	Ave		0.9530				6.2		30.0			
Chloroethane	+++++ 0.5158	+++++ 0.4856	0.2254 0.4927	0.4648	0.5416	Ave		0.4543				25.0		30.0			
Isopentane	+++++ 0.9224	0.9278 0.8469	0.9465 0.8725	0.8069	0.9413	Ave		0.8949				6.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.4182	1.2679 1.3063	1.2953 1.2964	1.2061	1.3949	Ave		1.3122				5.6		30.0			
Trichlorofluoromethane	+++++ 4.3300	4.0385 4.0915	4.3114 3.9435	3.7548	4.3024	Ave		4.1103				5.3		30.0			
n-Pentane	+++++ 1.4682	+++++ 1.3906	1.4133 1.3331	1.2451	1.4433	Ave		1.3823				5.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.3296	+++++ 0.2850	0.2815 0.2667	0.2273	0.3103	Ave		0.2834				13.0		30.0			
Ethyl ether	+++++ 0.8142	0.5778 0.7515	0.7218 0.7296	0.6797	0.7748	Ave		0.7213				11.0		30.0			
Acrolein	+++++ 0.3653	+++++ 0.3320	+++++ 0.3209	0.3036	0.3556	Ave		0.3355				7.5		30.0			
Freon TF	+++++ 2.7731	2.6341 2.5978	2.8528 2.4573	2.4543	2.7999	Ave		2.6528				6.1		30.0			
1,1-Dichloroethene	+++++ 1.2963	1.1606 1.2262	1.2538 1.1810	1.1104	1.2811	Ave		1.2156				5.6		30.0			
Acetone	+++++ 1.3839	+++++ 1.3010	+++++ 1.2390	1.2874	1.7579	Ave		1.3938				15.0		30.0			
Carbon disulfide	+++++ 3.3188	+++++ 3.1671	3.2853 3.0449	2.8640	3.3170	Ave		3.1662				5.8		30.0			
Isopropyl alcohol	+++++ 1.0521	+++++ 0.9581	+++++ 0.9067	0.9342	1.0931	Ave		0.9889				8.1		30.0			
3-Chloropropene	+++++ 0.9529	0.7130 0.9184	0.8157 0.9056	0.7955	0.9269	Ave		0.8611				10.0		30.0			
Acetonitrile	+++++ 0.5046	+++++ 0.4757	+++++ 0.4623	0.4254	0.4808	Ave		0.4698				6.2		30.0			
Methylene Chloride	+++++ 0.9162	+++++ 0.8753	0.5943 0.8480	0.8205	0.8977	Ave		0.8253				14.0		30.0			
tert-Butyl alcohol	+++++ 2.0611	+++++ 1.8960	+++++ 1.8468	1.7433	2.0981	Ave		1.9291				7.7		30.0			
Methyl tert-butyl ether	+++++ 3.9933	3.1244 3.7957	1.6582 3.6202	3.2930	3.8456	Ave		3.3329				24.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.6369	1.4955 1.5692	1.5840 1.5196	1.4066	1.6293	Ave		1.5487				5.3		30.0			
Acrylonitrile	+++++ 0.6476	+++++ 0.6167	0.2815 0.6045	0.5419	0.6223	Ave		0.5524				25.0		30.0			
n-Hexane	+++++ 1.5715	1.2940 1.5142	1.5414 1.4327	1.3633	1.5581	Ave		1.4679				7.3		30.0			
1,1-Dichloroethane	1.6827 1.9752	1.8489 1.9098	1.9653 1.8207	1.7438	1.9724	Ave		1.8649				5.9		30.0			
Vinyl acetate	+++++ 2.1238	+++++ 2.0408	+++++ 1.9701	1.7563	2.0402	Ave		1.9863				7.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.4039	1.1574 1.3591	1.3209 1.2567	1.2146	1.4091	Ave		1.3031				7.4		30.0			
Methyl Ethyl Ketone	+++++ 0.5831	+++++ 0.5510	0.6045 0.5032	0.5151	0.5889	Ave		0.5576				7.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1261	+++++ 0.1201	+++++ 0.1116	0.1120	0.1236	Ave		0.1187				5.6		30.0			
Tetrahydrofuran	+++++ 0.1799	+++++ 0.1727	+++++ 0.1599	0.1542	0.1780	Ave		0.1689				6.7		30.0			
Chloroform	+++++ 2.9887	2.7116 2.8775	2.9070 2.7346	2.5775	2.9457	Ave		2.8204				5.3		30.0			
Cyclohexane	+++++ 0.3677	0.3032 0.3534	0.3443 0.3168	0.3299	0.3691	Ave		0.3406				7.4		30.0			
1,1,1-Trichloroethane	+++++ 0.7235	0.6099 0.7028	0.7024 0.6493	0.6292	0.7194	Ave		0.6766				6.8		30.0			
Carbon tetrachloride	0.6139 0.7908	0.6511 0.7634	0.7337 0.7159	0.6803	0.7799	Ave		0.7161				8.9		30.0			
2,2,4-Trimethylpentane	+++++ 1.0048	0.7733 0.9658	0.9058 0.8720	0.8786	0.9920	Ave		0.9132				8.9		30.0			
Benzene	+++++ 0.7787	0.7042 0.7493	0.7961 0.6858	0.6967	0.7771	Ave		0.7411				6.1		30.0			
1,2-Dichloroethane	+++++ 0.3981	0.3284 0.3848	0.3664 0.3690	0.3391	0.3873	Ave		0.3676				7.0		30.0			
n-Heptane	+++++ 0.3103	0.2608 0.2965	0.2792 0.2704	0.2688	0.3038	Ave		0.2843				6.8		30.0			
n-Butanol	+++++ 0.0991	+++++ 0.0901	+++++ 0.0972	0.0816	0.0982	Ave		0.0932				7.9		30.0			
Trichloroethene	0.3547 0.4107	0.3613 0.3932	0.3894 0.3643	0.3620	0.4070	Ave		0.3803				5.9		30.0			
1,2-Dichloropropane	+++++ 0.2391	0.2000 0.2287	0.2206 0.2118	0.2080	0.2353	Ave		0.2205				6.6		30.0			
Methyl methacrylate	+++++ 0.2758	+++++ 0.2658	0.1902 0.2540	0.2276	0.2684	Ave		0.2470				13.0		30.0			
1,4-Dioxane	+++++ 0.1316	+++++ 0.1144	+++++ 0.1080	0.1186	0.1368	Ave		0.1219				9.8		30.0			
Dibromomethane	+++++ 0.4581	0.3965 0.4326	0.4416 0.3949	0.4105	0.4554	Ave		0.4271				6.2		30.0			
Bromodichloromethane	+++++ 0.6786	0.4998 0.6491	0.5790 0.6097	0.5733	0.6554	Ave		0.6064				10.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4533	0.2725 0.4369	0.3344 0.4179	0.3679	0.4282	Ave		0.3873				17.0		30.0			
methyl isobutyl ketone	+++++ 0.4086	0.2376 0.3849	0.2963 0.3680	0.3381	0.4012	Ave		0.3478				18.0		30.0			
n-Octane	+++++ 0.4003	0.2883 0.3748	0.3708 0.3322	0.3693	0.4039	Ave		0.3628				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6821	0.6506 0.6332	0.7231 0.5633	0.6455	0.6786	Ave		0.6538				7.6		30.0			
trans-1,3-Dichloropropene	+++++ 0.5024	0.2947 0.4781	0.3569 0.4683	0.4023	0.4751	Ave		0.4254				18.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3259	0.2529 0.3077	0.2995 0.2854	0.2861	0.3176	Ave		0.2964				8.2		30.0			
Tetrachloroethene	0.7920 0.8043	0.7107 0.7517	0.8045 0.6710	0.7319	0.7988	Ave		0.7581				6.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4091	+++++ 0.3938	0.2329 0.3894	0.3214	0.3965	Ave		0.3572				19.0		30.0			
Dibromochloromethane	+++++ 0.8885	0.6111 0.8410	0.7075 0.7812	0.7548	0.8739	Ave		0.7797				13.0		30.0			
1,2-Dibromoethane	+++++ 0.6951	0.5209 0.6601	0.5965 0.6178	0.5896	0.6748	Ave		0.6221				9.6		30.0			
Chlorobenzene	+++++ 1.0500	1.0179 0.9866	1.0602 0.9115	0.9373	1.0422	Ave		1.0008				5.8		30.0			
Ethylbenzene	+++++ 1.6261	1.3137 1.5326	1.5311 1.3970	1.4466	1.6153	Ave		1.4946				7.7		30.0			
n-Nonane	+++++ 0.5378	0.4015 0.5077	0.5064 0.4566	0.4886	0.5421	Ave		0.4915				10.0		30.0			
m,p-Xylene	+++++ 0.6266	0.5340 0.5827	0.6358 0.5275	0.5793	0.6315	Ave		0.5882				7.7		30.0			
Xylene, o-	+++++ 0.6382	0.5077 0.5950	0.5602 0.5416	0.5745	0.6461	Ave		0.5805				8.6		30.0			
Styrene	+++++ 0.9731	0.5870 0.9224	0.7597 0.8530	0.8441	0.9741	Ave		0.8448				16.0		30.0			
Bromoform	+++++ 0.8919	0.5369 0.8411	0.6649 0.7660	0.7618	0.8827	Ave		0.7636				17.0		30.0			
Cumene	+++++ 1.9859	1.5060 1.8594	1.8198 1.6629	1.7871	1.9826	Ave		1.8005				9.5		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8322	0.7302 0.7774	0.7998 0.7020	0.7563	0.8514	Ave		0.7785				6.9		30.0			
n-Propylbenzene	+++++ 2.1980	1.6943 2.0296	2.0196 1.7717	1.9786	2.2451	Ave		1.9910				10.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6496	+++++ 0.6103	0.6600 0.5568	0.5812	0.6618	Ave		0.6200				7.1		30.0			
n-Decane	+++++ 0.7229	+++++ 0.6694	0.6407 0.5839	0.6383	0.7418	Ave		0.6662				8.8		30.0			
4-Ethyltoluene	+++++ 2.0442	1.5885 1.8941	1.9315 1.6601	1.8352	2.0833	Ave		1.8624				9.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.6750	1.4841 1.5583	1.6449 1.3976	1.4965	1.7026	Ave		1.5656				7.2		30.0			
1,3,5-Trimethylbenzene	+++++ 1.8416	1.5650 1.7093	1.7970 1.5197	1.6518	1.8635	Ave		1.7068				7.9		30.0			
Alpha Methyl Styrene	+++++ 0.9173	0.4362 0.8590	0.5425 0.7883	0.7448	0.9151	Ave		0.7433				25.0		30.0			
tert-Butylbenzene	+++++ 1.7959	1.6256 1.6547	1.8695 1.4614	1.6792	1.8383	Ave		1.7035				8.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.8234	1.3752 1.6847	1.6759 1.5115	1.6080	1.8398	Ave		1.6455				10.0		30.0			
sec-Butylbenzene	+++++ 2.4663	2.1147 2.2642	2.4574 1.9683	2.2991	2.5196	Ave		2.2985				8.8		30.0			
4-Isopropyltoluene	+++++ 2.2346	1.7060 2.0616	2.1023 1.8121	2.0420	2.2735	Ave		2.0332				10.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2482	0.9539 1.1704	1.0523 1.0654	1.0279	1.2481	Ave		1.1095				10.0		30.0			
1,4-Dichlorobenzene	+++++ 1.2249	0.8651 1.1573	0.9451 1.0617	0.9710	1.2075	Ave		1.0618				13.0		30.0			
Benzyl chloride	+++++ 1.1914	0.4315 1.1747	0.4808 1.1702	0.7945	1.0978	Ave		0.9058				37.0	*	30.0			
n-Undecane	+++++ 0.7434	+++++ 0.6743	+++++ 0.5804	0.6006	0.7659	Ave		0.6729				12.0		30.0			
n-Butylbenzene	+++++ 1.6199	1.1640 1.5022	1.4013 1.3354	1.4095	1.6495	Ave		1.4403				12.0		30.0			
1,2-Dichlorobenzene	+++++ 1.2186	0.9727 1.1329	1.0090 1.0366	1.0144	1.2132	Ave		1.0853				9.4		30.0			
n-Dodecane	+++++ 0.5950	+++++ 0.5250	+++++ 0.5037	0.3032	0.5640	Ave		0.4982				23.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7080	+++++ 0.6290	0.3613 0.6751	0.3752	0.6525	Ave		0.5669				28.0		30.0			
Hexachlorobutadiene	+++++ 0.9320	0.8408 0.8418	0.9076 0.7408	0.8045	0.9536	Ave		0.8601				8.8		30.0			
Naphthalene	+++++ 1.4346	+++++ 1.1163	0.5210 1.3723	0.5605	1.3296	Ave		1.0557				39.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.6588	0.4727 0.5675	0.3635 0.6210	0.3656	0.6329	Ave		0.5260				24.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 213568	+++++ 289638	7945 560656	68655	140010	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 1498852	+++++ 2036941	49981 3865186	485352	999456	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 576407	+++++ 796162	19415 1544006	180454	381162	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1384998	18222 1884732	47401 3519414	449033	928242	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 255025	+++++ 355046	8328 692163	81439	167606	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 426076	+++++ 612083	14555 1130276	132351	285413	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	785 345433	4172 504923	10843 924618	106280	229012	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 221609	2746 339558	4226 621026	70353	149610	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 370868	4680 531610	12473 993761	115181	241442	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 192683	+++++ 261212	2763 527430	63675	134403	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 344527	4668 455537	11603 934027	110550	233611	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 529735	6379 702612	15879 1387891	165241	346182	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1617376	20318 2200642	52854 4221765	514440	1067747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 548423	+++++ 747926	17326 1427199	170593	358200	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 164496	+++++ 306624	34548 713715	62334	115578	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 304114	2907 404196	8848 781053	93118	192282	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 136437	+++++ 178554	+++++ 343495	41599	88241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1035821	13252 1397265	34973 2630721	336259	694880	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 484212	5839 659534	15370 1264367	152129	317945	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 516939	+++++ 699772	+++++ 1326389	176381	436259	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1239670	+++++ 1703476	40275 3259822	392390	823193	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 392981	+++++ 515348	+++++ 970703	127995	271288	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 355925	3587 493946	10000 969536	108983	230038	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 188475	+++++ 255856	+++++ 494906	58288	119328	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 342226	+++++ 470784	7285 907794	112408	222792	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 769883	+++++ 1019788	+++++ 1977171	238846	520688	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1491587	15719 2041570	20328 3875641	451169	954394	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 611440	7524 844028	19418 1626841	192709	404364	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 241893	+++++ 331675	3451 647138	74241	154438	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 586998	6510 814414	18896 1533795	186775	386694	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1839 737782	9302 1027200	24093 1949133	238918	489508	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 793302	+++++ 1097665	+++++ 2109173	240625	506331	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 524392	5823 731013	16193 1345344	166414	349712	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 217816	+++++ 296370	7410 538711	70567	146155	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 47096	+++++ 64609	+++++ 119476	15342	30677	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 329205	+++++ 451139	+++++ 852155	101249	214828	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1116352	13642 1547678	35637 2927600	353138	731043	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 673028	7515 923175	20413 1688008	216636	445466	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1324300	15118 1835675	41648 3459556	413102	868137	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	3273 1447512	16139 1993842	43501 3814449	446706	941186	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 1839233	19168 2522729	53707 4646331	576881	1197101	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1425296	17456 1957216	47199 3654247	457446	937791	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 728704	8141 1005157	21725 1966384	222650	467406	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 568000	6465 774565	16555 1440616	176521	366662	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 181355	+++++ 235433	+++++ 517699	53587	118539	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1891 751793	8957 1026975	23087 1941309	237693	491220	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 437616	4958 597332	13080 1128560	136596	284011	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 504843	+++++ 694248	11279 1353223	149417	323850	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 240826	+++++ 298849	+++++ 575243	77888	165035	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 838472	9828 1129943	26185 2104377	269564	549573	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1242171	12388 1695508	34332 3248918	376429	790894	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 829761	6754 1141045	19828 2226486	241583	516718	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 747823	5889 1005345	17569 1960750	222015	484157	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 732734	7146 978872	21985 1769899	242475	487448	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1121753	13704 1485517	37247 2730529	374209	734178	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 919654	7304 1248842	21161 2495427	264182	573361	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 536001	5327 721781	15426 1383319	165867	343630	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	3547 1322635	14970 1763608	41440 3252617	424268	864187	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 672845	+++++ 923848	11998 1887589	186308	428991	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 1461120	12873 1972982	36443 3787104	437541	945498	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1143093	10973 1548606	30725 2994648	341782	730003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 1726735	21441 2314513	54606 4418570	543348	1127504	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 2674126	27672 3595593	78861 6771998	838534	1747508	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 884417	8458 1191189	26081 2213408	283218	586515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2060996	22497 2733985	65501 5114351	671615	1366350	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1049575	10695 1395981	28855 2625249	333005	699008	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1600269	12364 2163997	39130 4134957	489313	1053878	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 1466678	11309 1973332	34246 3713054	441577	954966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 3265858	31723 4362179	93735 8060942	1035939	2144883	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1368578	15382 1823711	41194 3402773	438385	921128	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 3614694	35689 4761465	104027 8588250	1146976	2428875	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1068251	+++++ 1431836	33997 2699054	336924	716032	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1188859	+++++ 1570417	33003 2830746	370035	802571	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 3361751	33462 4443607	99489 8047332	1063848	2253825	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 2754570	31263 3655890	84726 6775236	867515	1842004	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3028455	32967 4010127	92557 7366666	957486	2016034	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1508516	9188 2015326	27942 3821590	431720	989971	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 2953424	34243 3882088	96292 7084357	973406	1988792	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20735-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 2998517	28967 3952293	86321 7327196	932117	1990462	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 4055790	44546 5312031	126577 9541306	1332745	2725866	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 3674867	35937 4836510	108282 8784165	1183705	2459661	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2052740	20094 2745844	54201 5164611	595827	1350281	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2014386	18222 2715131	48678 5146856	562877	1306309	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1959220	9089 2755877	24766 5672825	460575	1187690	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1222569	+++++ 1581850	+++++ 2813425	348175	828564	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 2663939	24520 3524244	72178 6473695	817045	1784515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2004035	20489 2657751	51971 5024963	588045	1312502	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 978405	+++++ 1231634	+++++ 2441545	175760	610188	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1164315	+++++ 1475667	18612 3272796	217472	705913	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1532640	17711 1974819	46747 3591316	466367	1031628	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 2359180	+++++ 2618860	26834 6652457	324882	1438505	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1083365	9957 1331446	18721 3010175	211935	684727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5718	+++++ 0.5385	0.6481 0.5237	0.5011	0.5642	Ave		0.5579				9.2		30.0			
Dichlorodifluoromethane	+++++ 4.0127	+++++ 3.7871	4.0771 3.6104	3.5425	4.0272	Ave		3.8428				6.0		30.0			
Freon 22	+++++ 1.5431	+++++ 1.4802	1.5837 1.4422	1.3171	1.5358	Ave		1.4837				6.4		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.7079	3.6219 3.5041	3.8666 3.2874	3.2774	3.7402	Ave		3.5722				6.3		30.0			
Chloromethane	+++++ 0.6827	+++++ 0.6601	0.6793 0.6465	0.5944	0.6753	Ave		0.6564				5.1		30.0			
n-Butane	+++++ 1.1407	+++++ 1.1380	1.1873 1.0558	0.9660	1.1500	Ave		1.1063				7.3		30.0			
Vinyl chloride	0.7183 0.9248	0.8293 0.9388	0.8845 0.8637	0.7757	0.9228	Ave		0.8572				9.1		30.0			
1,3-Butadiene	+++++ 0.5933	0.5458 0.6313	0.3447 0.5801	0.5135	0.6028	Ave		0.5445				18.0		30.0			
Bromomethane	+++++ 0.9929	0.9302 0.9884	1.0175 0.9283	0.8407	0.9729	Ave		0.9530				6.2		30.0			
Chloroethane	+++++ 0.5158	+++++ 0.4856	0.2254 0.4927	0.4648	0.5416	Ave		0.4543				25.0		30.0			
Isopentane	+++++ 0.9224	0.9278 0.8469	0.9465 0.8725	0.8069	0.9413	Ave		0.8949				6.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.4182	1.2679 1.3063	1.2953 1.2964	1.2061	1.3949	Ave		1.3122				5.6		30.0			
Trichlorofluoromethane	+++++ 4.3300	4.0385 4.0915	4.3114 3.9435	3.7548	4.3024	Ave		4.1103				5.3		30.0			
n-Pentane	+++++ 1.4682	+++++ 1.3906	1.4133 1.3331	1.2451	1.4433	Ave		1.3823				5.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.3296	+++++ 0.2850	0.2815 0.2667	0.2273	0.3103	Ave		0.2834				13.0		30.0			
Ethyl ether	+++++ 0.8142	0.5778 0.7515	0.7218 0.7296	0.6797	0.7748	Ave		0.7213				11.0		30.0			
Acrolein	+++++ 0.3653	+++++ 0.3320	+++++ 0.3209	0.3036	0.3556	Ave		0.3355				7.5		30.0			
Freon TF	+++++ 2.7731	2.6341 2.5978	2.8528 2.4573	2.4543	2.7999	Ave		2.6528				6.1		30.0			
1,1-Dichloroethene	+++++ 1.2963	1.1606 1.2262	1.2538 1.1810	1.1104	1.2811	Ave		1.2156				5.6		30.0			
Acetone	+++++ 1.3839	+++++ 1.3010	+++++ 1.2390	1.2874	1.7579	Ave		1.3938				15.0		30.0			
Carbon disulfide	+++++ 3.3188	+++++ 3.1671	3.2853 3.0449	2.8640	3.3170	Ave		3.1662				5.8		30.0			
Isopropyl alcohol	+++++ 1.0521	+++++ 0.9581	+++++ 0.9067	0.9342	1.0931	Ave		0.9889				8.1		30.0			
3-Chloropropene	+++++ 0.9529	0.7130 0.9184	0.8157 0.9056	0.7955	0.9269	Ave		0.8611				10.0		30.0			
Acetonitrile	+++++ 0.5046	+++++ 0.4757	+++++ 0.4623	0.4254	0.4808	Ave		0.4698				6.2		30.0			
Methylene Chloride	+++++ 0.9162	+++++ 0.8753	0.5943 0.8480	0.8205	0.8977	Ave		0.8253				14.0		30.0			
tert-Butyl alcohol	+++++ 2.0611	+++++ 1.8960	+++++ 1.8468	1.7433	2.0981	Ave		1.9291				7.7		30.0			
Methyl tert-butyl ether	+++++ 3.9933	3.1244 3.7957	1.6582 3.6202	3.2930	3.8456	Ave		3.3329				24.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.6369	1.4955 1.5692	1.5840 1.5196	1.4066	1.6293	Ave		1.5487				5.3		30.0			
Acrylonitrile	+++++ 0.6476	+++++ 0.6167	0.2815 0.6045	0.5419	0.6223	Ave		0.5524				25.0		30.0			
n-Hexane	+++++ 1.5715	1.2940 1.5142	1.5414 1.4327	1.3633	1.5581	Ave		1.4679				7.3		30.0			
1,1-Dichloroethane	1.6827 1.9752	1.8489 1.9098	1.9653 1.8207	1.7438	1.9724	Ave		1.8649				5.9		30.0			
Vinyl acetate	+++++ 2.1238	+++++ 2.0408	+++++ 1.9701	1.7563	2.0402	Ave		1.9863				7.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.4039	1.1574 1.3591	1.3209 1.2567	1.2146	1.4091	Ave		1.3031				7.4		30.0			
Methyl Ethyl Ketone	+++++ 0.5831	+++++ 0.5510	0.6045 0.5032	0.5151	0.5889	Ave		0.5576				7.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1261	+++++ 0.1201	+++++ 0.1116	0.1120	0.1236	Ave		0.1187				5.6		30.0			
Tetrahydrofuran	+++++ 0.1799	+++++ 0.1727	+++++ 0.1599	0.1542	0.1780	Ave		0.1689				6.7		30.0			
Chloroform	+++++ 2.9887	2.7116 2.8775	2.9070 2.7346	2.5775	2.9457	Ave		2.8204				5.3		30.0			
Cyclohexane	+++++ 0.3677	0.3032 0.3534	0.3443 0.3168	0.3299	0.3691	Ave		0.3406				7.4		30.0			
1,1,1-Trichloroethane	+++++ 0.7235	0.6099 0.7028	0.7024 0.6493	0.6292	0.7194	Ave		0.6766				6.8		30.0			
Carbon tetrachloride	0.6139 0.7908	0.6511 0.7634	0.7337 0.7159	0.6803	0.7799	Ave		0.7161				8.9		30.0			
2,2,4-Trimethylpentane	+++++ 1.0048	0.7733 0.9658	0.9058 0.8720	0.8786	0.9920	Ave		0.9132				8.9		30.0			
Benzene	+++++ 0.7787	0.7042 0.7493	0.7961 0.6858	0.6967	0.7771	Ave		0.7411				6.1		30.0			
1,2-Dichloroethane	+++++ 0.3981	0.3284 0.3848	0.3664 0.3690	0.3391	0.3873	Ave		0.3676				7.0		30.0			
n-Heptane	+++++ 0.3103	0.2608 0.2965	0.2792 0.2704	0.2688	0.3038	Ave		0.2843				6.8		30.0			
n-Butanol	+++++ 0.0991	+++++ 0.0901	+++++ 0.0972	0.0816	0.0982	Ave		0.0932				7.9		30.0			
Trichloroethene	0.3547 0.4107	0.3613 0.3932	0.3894 0.3643	0.3620	0.4070	Ave		0.3803				5.9		30.0			
1,2-Dichloropropane	+++++ 0.2391	0.2000 0.2287	0.2206 0.2118	0.2080	0.2353	Ave		0.2205				6.6		30.0			
Methyl methacrylate	+++++ 0.2758	+++++ 0.2658	0.1902 0.2540	0.2276	0.2684	Ave		0.2470				13.0		30.0			
1,4-Dioxane	+++++ 0.1316	+++++ 0.1144	+++++ 0.1080	0.1186	0.1368	Ave		0.1219				9.8		30.0			
Dibromomethane	+++++ 0.4581	0.3965 0.4326	0.4416 0.3949	0.4105	0.4554	Ave		0.4271				6.2		30.0			
Bromodichloromethane	+++++ 0.6786	0.4998 0.6491	0.5790 0.6097	0.5733	0.6554	Ave		0.6064				10.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4533	0.2725 0.4369	0.3344 0.4179	0.3679	0.4282	Ave		0.3873				17.0		30.0			
methyl isobutyl ketone	+++++ 0.4086	0.2376 0.3849	0.2963 0.3680	0.3381	0.4012	Ave		0.3478				18.0		30.0			
n-Octane	+++++ 0.4003	0.2883 0.3748	0.3708 0.3322	0.3693	0.4039	Ave		0.3628				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6821	0.6506 0.6332	0.7231 0.5633	0.6455	0.6786	Ave		0.6538				7.6		30.0			
trans-1,3-Dichloropropene	+++++ 0.5024	0.2947 0.4781	0.3569 0.4683	0.4023	0.4751	Ave		0.4254				18.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3259	0.2529 0.3077	0.2995 0.2854	0.2861	0.3176	Ave		0.2964				8.2		30.0			
Tetrachloroethene	0.7920 0.8043	0.7107 0.7517	0.8045 0.6710	0.7319	0.7988	Ave		0.7581				6.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4091	+++++ 0.3938	0.2329 0.3894	0.3214	0.3965	Ave		0.3572				19.0		30.0			
Dibromochloromethane	+++++ 0.8885	0.6111 0.8410	0.7075 0.7812	0.7548	0.8739	Ave		0.7797				13.0		30.0			
1,2-Dibromoethane	+++++ 0.6951	0.5209 0.6601	0.5965 0.6178	0.5896	0.6748	Ave		0.6221				9.6		30.0			
Chlorobenzene	+++++ 1.0500	1.0179 0.9866	1.0602 0.9115	0.9373	1.0422	Ave		1.0008				5.8		30.0			
Ethylbenzene	+++++ 1.6261	1.3137 1.5326	1.5311 1.3970	1.4466	1.6153	Ave		1.4946				7.7		30.0			
n-Nonane	+++++ 0.5378	0.4015 0.5077	0.5064 0.4566	0.4886	0.5421	Ave		0.4915				10.0		30.0			
m,p-Xylene	+++++ 0.6266	0.5340 0.5827	0.6358 0.5275	0.5793	0.6315	Ave		0.5882				7.7		30.0			
Xylene, o-	+++++ 0.6382	0.5077 0.5950	0.5602 0.5416	0.5745	0.6461	Ave		0.5805				8.6		30.0			
Styrene	+++++ 0.9731	0.5870 0.9224	0.7597 0.8530	0.8441	0.9741	Ave		0.8448				16.0		30.0			
Bromoform	+++++ 0.8919	0.5369 0.8411	0.6649 0.7660	0.7618	0.8827	Ave		0.7636				17.0		30.0			
Cumene	+++++ 1.9859	1.5060 1.8594	1.8198 1.6629	1.7871	1.9826	Ave		1.8005				9.5		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8322	0.7302 0.7774	0.7998 0.7020	0.7563	0.8514	Ave		0.7785				6.9		30.0			
n-Propylbenzene	+++++ 2.1980	1.6943 2.0296	2.0196 1.7717	1.9786	2.2451	Ave		1.9910				10.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6496	+++++ 0.6103	0.6600 0.5568	0.5812	0.6618	Ave		0.6200				7.1		30.0			
n-Decane	+++++ 0.7229	+++++ 0.6694	0.6407 0.5839	0.6383	0.7418	Ave		0.6662				8.8		30.0			
4-Ethyltoluene	+++++ 2.0442	1.5885 1.8941	1.9315 1.6601	1.8352	2.0833	Ave		1.8624				9.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.6750	1.4841 1.5583	1.6449 1.3976	1.4965	1.7026	Ave		1.5656				7.2		30.0			
1,3,5-Trimethylbenzene	+++++ 1.8416	1.5650 1.7093	1.7970 1.5197	1.6518	1.8635	Ave		1.7068				7.9		30.0			
Alpha Methyl Styrene	+++++ 0.9173	0.4362 0.8590	0.5425 0.7883	0.7448	0.9151	Ave		0.7433				25.0		30.0			
tert-Butylbenzene	+++++ 1.7959	1.6256 1.6547	1.8695 1.4614	1.6792	1.8383	Ave		1.7035				8.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.8234	1.3752 1.6847	1.6759 1.5115	1.6080	1.8398	Ave		1.6455				10.0		30.0			
sec-Butylbenzene	+++++ 2.4663	2.1147 2.2642	2.4574 1.9683	2.2991	2.5196	Ave		2.2985				8.8		30.0			
4-Isopropyltoluene	+++++ 2.2346	1.7060 2.0616	2.1023 1.8121	2.0420	2.2735	Ave		2.0332				10.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2482	0.9539 1.1704	1.0523 1.0654	1.0279	1.2481	Ave		1.1095				10.0		30.0			
1,4-Dichlorobenzene	+++++ 1.2249	0.8651 1.1573	0.9451 1.0617	0.9710	1.2075	Ave		1.0618				13.0		30.0			
Benzyl chloride	+++++ 1.1914	0.4315 1.1747	0.4808 1.1702	0.7945	1.0978	Ave		0.9058				37.0	*	30.0			
n-Undecane	+++++ 0.7434	+++++ 0.6743	+++++ 0.5804	0.6006	0.7659	Ave		0.6729				12.0		30.0			
n-Butylbenzene	+++++ 1.6199	1.1640 1.5022	1.4013 1.3354	1.4095	1.6495	Ave		1.4403				12.0		30.0			
1,2-Dichlorobenzene	+++++ 1.2186	0.9727 1.1329	1.0090 1.0366	1.0144	1.2132	Ave		1.0853				9.4		30.0			
n-Dodecane	+++++ 0.5950	+++++ 0.5250	+++++ 0.5037	0.3032	0.5640	Ave		0.4982				23.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7080	+++++ 0.6290	0.3613 0.6751	0.3752	0.6525	Ave		0.5669				28.0		30.0			
Hexachlorobutadiene	+++++ 0.9320	0.8408 0.8418	0.9076 0.7408	0.8045	0.9536	Ave		0.8601				8.8		30.0			
Naphthalene	+++++ 1.4346	+++++ 1.1163	0.5210 1.3723	0.5605	1.3296	Ave		1.0557				39.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.6588	0.4727 0.5675	0.3635 0.6210	0.3656	0.6329	Ave		0.5260				24.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 213568	+++++ 289638	7945 560656	68655	140010	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 1498852	+++++ 2036941	49981 3865186	485352	999456	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 576407	+++++ 796162	19415 1544006	180454	381162	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1384998	18222 1884732	47401 3519414	449033	928242	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 255025	+++++ 355046	8328 692163	81439	167606	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 426076	+++++ 612083	14555 1130276	132351	285413	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	785 345433	4172 504923	10843 924618	106280	229012	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 221609	2746 339558	4226 621026	70353	149610	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 370868	4680 531610	12473 993761	115181	241442	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 192683	+++++ 261212	2763 527430	63675	134403	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 344527	4668 455537	11603 934027	110550	233611	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 529735	6379 702612	15879 1387891	165241	346182	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1617376	20318 2200642	52854 4221765	514440	1067747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 548423	+++++ 747926	17326 1427199	170593	358200	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 164496	+++++ 306624	34548 713715	62334	115578	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 304114	2907 404196	8848 781053	93118	192282	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 136437	+++++ 178554	+++++ 343495	41599	88241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1035821	13252 1397265	34973 2630721	336259	694880	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 484212	5839 659534	15370 1264367	152129	317945	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 516939	+++++ 699772	+++++ 1326389	176381	436259	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1239670	+++++ 1703476	40275 3259822	392390	823193	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 392981	+++++ 515348	+++++ 970703	127995	271288	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 355925	3587 493946	10000 969536	108983	230038	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 188475	+++++ 255856	+++++ 494906	58288	119328	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 342226	+++++ 470784	7285 907794	112408	222792	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 769883	+++++ 1019788	+++++ 1977171	238846	520688	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1491587	15719 2041570	20328 3875641	451169	954394	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 611440	7524 844028	19418 1626841	192709	404364	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 241893	+++++ 331675	3451 647138	74241	154438	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 586998	6510 814414	18896 1533795	186775	386694	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1839 737782	9302 1027200	24093 1949133	238918	489508	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 793302	+++++ 1097665	+++++ 2109173	240625	506331	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 524392	5823 731013	16193 1345344	166414	349712	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 217816	+++++ 296370	7410 538711	70567	146155	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 47096	+++++ 64609	+++++ 119476	15342	30677	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 329205	+++++ 451139	+++++ 852155	101249	214828	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1116352	13642 1547678	35637 2927600	353138	731043	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 673028	7515 923175	20413 1688008	216636	445466	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1324300	15118 1835675	41648 3459556	413102	868137	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	3273 1447512	16139 1993842	43501 3814449	446706	941186	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 1839233	19168 2522729	53707 4646331	576881	1197101	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1425296	17456 1957216	47199 3654247	457446	937791	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 728704	8141 1005157	21725 1966384	222650	467406	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 568000	6465 774565	16555 1440616	176521	366662	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 181355	+++++ 235433	+++++ 517699	53587	118539	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1891 751793	8957 1026975	23087 1941309	237693	491220	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 437616	4958 597332	13080 1128560	136596	284011	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 504843	+++++ 694248	11279 1353223	149417	323850	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 240826	+++++ 298849	+++++ 575243	77888	165035	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 838472	9828 1129943	26185 2104377	269564	549573	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1242171	12388 1695508	34332 3248918	376429	790894	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 829761	6754 1141045	19828 2226486	241583	516718	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 747823	5889 1005345	17569 1960750	222015	484157	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 732734	7146 978872	21985 1769899	242475	487448	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1121753	13704 1485517	37247 2730529	374209	734178	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 919654	7304 1248842	21161 2495427	264182	573361	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 536001	5327 721781	15426 1383319	165867	343630	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	3547 1322635	14970 1763608	41440 3252617	424268	864187	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 672845	+++++ 923848	11998 1887589	186308	428991	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 1461120	12873 1972982	36443 3787104	437541	945498	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1143093	10973 1548606	30725 2994648	341782	730003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 1726735	21441 2314513	54606 4418570	543348	1127504	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 2674126	27672 3595593	78861 6771998	838534	1747508	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 884417	8458 1191189	26081 2213408	283218	586515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2060996	22497 2733985	65501 5114351	671615	1366350	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1049575	10695 1395981	28855 2625249	333005	699008	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1600269	12364 2163997	39130 4134957	489313	1053878	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 1466678	11309 1973332	34246 3713054	441577	954966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 3265858	31723 4362179	93735 8060942	1035939	2144883	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1368578	15382 1823711	41194 3402773	438385	921128	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 3614694	35689 4761465	104027 8588250	1146976	2428875	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1068251	+++++ 1431836	33997 2699054	336924	716032	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1188859	+++++ 1570417	33003 2830746	370035	802571	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 3361751	33462 4443607	99489 8047332	1063848	2253825	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 2754570	31263 3655890	84726 6775236	867515	1842004	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3028455	32967 4010127	92557 7366666	957486	2016034	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1508516	9188 2015326	27942 3821590	431720	989971	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 2953424	34243 3882088	96292 7084357	973406	1988792	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20762-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 2998517	28967 3952293	86321 7327196	932117	1990462	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 4055790	44546 5312031	126577 9541306	1332745	2725866	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 3674867	35937 4836510	108282 8784165	1183705	2459661	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2052740	20094 2745844	54201 5164611	595827	1350281	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2014386	18222 2715131	48678 5146856	562877	1306309	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1959220	9089 2755877	24766 5672825	460575	1187690	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1222569	+++++ 1581850	+++++ 2813425	348175	828564	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 2663939	24520 3524244	72178 6473695	817045	1784515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2004035	20489 2657751	51971 5024963	588045	1312502	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 978405	+++++ 1231634	+++++ 2441545	175760	610188	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1164315	+++++ 1475667	18612 3272796	217472	705913	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1532640	17711 1974819	46747 3591316	466367	1031628	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 2359180	+++++ 2618860	26834 6652457	324882	1438505	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1083365	9957 1331446	18721 3010175	211935	684727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5718	+++++ 0.5385	0.6481 0.5237	0.5011	0.5642	Ave		0.5579				9.2		30.0			
Dichlorodifluoromethane	+++++ 4.0127	+++++ 3.7871	4.0771 3.6104	3.5425	4.0272	Ave		3.8428				6.0		30.0			
Freon 22	+++++ 1.5431	+++++ 1.4802	1.5837 1.4422	1.3171	1.5358	Ave		1.4837				6.4		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.7079	3.6219 3.5041	3.8666 3.2874	3.2774	3.7402	Ave		3.5722				6.3		30.0			
Chloromethane	+++++ 0.6827	+++++ 0.6601	0.6793 0.6465	0.5944	0.6753	Ave		0.6564				5.1		30.0			
n-Butane	+++++ 1.1407	+++++ 1.1380	1.1873 1.0558	0.9660	1.1500	Ave		1.1063				7.3		30.0			
Vinyl chloride	0.7183 0.9248	0.8293 0.9388	0.8845 0.8637	0.7757	0.9228	Ave		0.8572				9.1		30.0			
1,3-Butadiene	+++++ 0.5933	0.5458 0.6313	0.3447 0.5801	0.5135	0.6028	Ave		0.5445				18.0		30.0			
Bromomethane	+++++ 0.9929	0.9302 0.9884	1.0175 0.9283	0.8407	0.9729	Ave		0.9530				6.2		30.0			
Chloroethane	+++++ 0.5158	+++++ 0.4856	0.2254 0.4927	0.4648	0.5416	Ave		0.4543				25.0		30.0			
Isopentane	+++++ 0.9224	0.9278 0.8469	0.9465 0.8725	0.8069	0.9413	Ave		0.8949				6.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.4182	1.2679 1.3063	1.2953 1.2964	1.2061	1.3949	Ave		1.3122				5.6		30.0			
Trichlorofluoromethane	+++++ 4.3300	4.0385 4.0915	4.3114 3.9435	3.7548	4.3024	Ave		4.1103				5.3		30.0			
n-Pentane	+++++ 1.4682	+++++ 1.3906	1.4133 1.3331	1.2451	1.4433	Ave		1.3823				5.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.3296	+++++ 0.2850	0.2815 0.2667	0.2273	0.3103	Ave		0.2834				13.0		30.0			
Ethyl ether	+++++ 0.8142	0.5778 0.7515	0.7218 0.7296	0.6797	0.7748	Ave		0.7213				11.0		30.0			
Acrolein	+++++ 0.3653	+++++ 0.3320	+++++ 0.3209	0.3036	0.3556	Ave		0.3355				7.5		30.0			
Freon TF	+++++ 2.7731	2.6341 2.5978	2.8528 2.4573	2.4543	2.7999	Ave		2.6528				6.1		30.0			
1,1-Dichloroethene	+++++ 1.2963	1.1606 1.2262	1.2538 1.1810	1.1104	1.2811	Ave		1.2156				5.6		30.0			
Acetone	+++++ 1.3839	+++++ 1.3010	+++++ 1.2390	1.2874	1.7579	Ave		1.3938				15.0		30.0			
Carbon disulfide	+++++ 3.3188	+++++ 3.1671	3.2853 3.0449	2.8640	3.3170	Ave		3.1662				5.8		30.0			
Isopropyl alcohol	+++++ 1.0521	+++++ 0.9581	+++++ 0.9067	0.9342	1.0931	Ave		0.9889				8.1		30.0			
3-Chloropropene	+++++ 0.9529	0.7130 0.9184	0.8157 0.9056	0.7955	0.9269	Ave		0.8611				10.0		30.0			
Acetonitrile	+++++ 0.5046	+++++ 0.4757	+++++ 0.4623	0.4254	0.4808	Ave		0.4698				6.2		30.0			
Methylene Chloride	+++++ 0.9162	+++++ 0.8753	0.5943 0.8480	0.8205	0.8977	Ave		0.8253				14.0		30.0			
tert-Butyl alcohol	+++++ 2.0611	+++++ 1.8960	+++++ 1.8468	1.7433	2.0981	Ave		1.9291				7.7		30.0			
Methyl tert-butyl ether	+++++ 3.9933	3.1244 3.7957	1.6582 3.6202	3.2930	3.8456	Ave		3.3329				24.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.6369	1.4955 1.5692	1.5840 1.5196	1.4066	1.6293	Ave		1.5487				5.3		30.0			
Acrylonitrile	+++++ 0.6476	+++++ 0.6167	0.2815 0.6045	0.5419	0.6223	Ave		0.5524				25.0		30.0			
n-Hexane	+++++ 1.5715	1.2940 1.5142	1.5414 1.4327	1.3633	1.5581	Ave		1.4679				7.3		30.0			
1,1-Dichloroethane	1.6827 1.9752	1.8489 1.9098	1.9653 1.8207	1.7438	1.9724	Ave		1.8649				5.9		30.0			
Vinyl acetate	+++++ 2.1238	+++++ 2.0408	+++++ 1.9701	1.7563	2.0402	Ave		1.9863				7.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.4039	1.1574 1.3591	1.3209 1.2567	1.2146	1.4091	Ave		1.3031				7.4		30.0			
Methyl Ethyl Ketone	+++++ 0.5831	+++++ 0.5510	0.6045 0.5032	0.5151	0.5889	Ave		0.5576				7.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1261	+++++ 0.1201	+++++ 0.1116	0.1120	0.1236	Ave		0.1187				5.6		30.0			
Tetrahydrofuran	+++++ 0.1799	+++++ 0.1727	+++++ 0.1599	0.1542	0.1780	Ave		0.1689				6.7		30.0			
Chloroform	+++++ 2.9887	2.7116 2.8775	2.9070 2.7346	2.5775	2.9457	Ave		2.8204				5.3		30.0			
Cyclohexane	+++++ 0.3677	0.3032 0.3534	0.3443 0.3168	0.3299	0.3691	Ave		0.3406				7.4		30.0			
1,1,1-Trichloroethane	+++++ 0.7235	0.6099 0.7028	0.7024 0.6493	0.6292	0.7194	Ave		0.6766				6.8		30.0			
Carbon tetrachloride	0.6139 0.7908	0.6511 0.7634	0.7337 0.7159	0.6803	0.7799	Ave		0.7161				8.9		30.0			
2,2,4-Trimethylpentane	+++++ 1.0048	0.7733 0.9658	0.9058 0.8720	0.8786	0.9920	Ave		0.9132				8.9		30.0			
Benzene	+++++ 0.7787	0.7042 0.7493	0.7961 0.6858	0.6967	0.7771	Ave		0.7411				6.1		30.0			
1,2-Dichloroethane	+++++ 0.3981	0.3284 0.3848	0.3664 0.3690	0.3391	0.3873	Ave		0.3676				7.0		30.0			
n-Heptane	+++++ 0.3103	0.2608 0.2965	0.2792 0.2704	0.2688	0.3038	Ave		0.2843				6.8		30.0			
n-Butanol	+++++ 0.0991	+++++ 0.0901	+++++ 0.0972	0.0816	0.0982	Ave		0.0932				7.9		30.0			
Trichloroethene	0.3547 0.4107	0.3613 0.3932	0.3894 0.3643	0.3620	0.4070	Ave		0.3803				5.9		30.0			
1,2-Dichloropropane	+++++ 0.2391	0.2000 0.2287	0.2206 0.2118	0.2080	0.2353	Ave		0.2205				6.6		30.0			
Methyl methacrylate	+++++ 0.2758	+++++ 0.2658	0.1902 0.2540	0.2276	0.2684	Ave		0.2470				13.0		30.0			
1,4-Dioxane	+++++ 0.1316	+++++ 0.1144	+++++ 0.1080	0.1186	0.1368	Ave		0.1219				9.8		30.0			
Dibromomethane	+++++ 0.4581	0.3965 0.4326	0.4416 0.3949	0.4105	0.4554	Ave		0.4271				6.2		30.0			
Bromodichloromethane	+++++ 0.6786	0.4998 0.6491	0.5790 0.6097	0.5733	0.6554	Ave		0.6064				10.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4533	0.2725 0.4369	0.3344 0.4179	0.3679	0.4282	Ave		0.3873				17.0		30.0			
methyl isobutyl ketone	+++++ 0.4086	0.2376 0.3849	0.2963 0.3680	0.3381	0.4012	Ave		0.3478				18.0		30.0			
n-Octane	+++++ 0.4003	0.2883 0.3748	0.3708 0.3322	0.3693	0.4039	Ave		0.3628				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6821	0.6506 0.6332	0.7231 0.5633	0.6455	0.6786	Ave		0.6538				7.6		30.0			
trans-1,3-Dichloropropene	+++++ 0.5024	0.2947 0.4781	0.3569 0.4683	0.4023	0.4751	Ave		0.4254				18.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3259	0.2529 0.3077	0.2995 0.2854	0.2861	0.3176	Ave		0.2964				8.2		30.0			
Tetrachloroethene	0.7920 0.8043	0.7107 0.7517	0.8045 0.6710	0.7319	0.7988	Ave		0.7581				6.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4091	+++++ 0.3938	0.2329 0.3894	0.3214	0.3965	Ave		0.3572				19.0		30.0			
Dibromochloromethane	+++++ 0.8885	0.6111 0.8410	0.7075 0.7812	0.7548	0.8739	Ave		0.7797				13.0		30.0			
1,2-Dibromoethane	+++++ 0.6951	0.5209 0.6601	0.5965 0.6178	0.5896	0.6748	Ave		0.6221				9.6		30.0			
Chlorobenzene	+++++ 1.0500	1.0179 0.9866	1.0602 0.9115	0.9373	1.0422	Ave		1.0008				5.8		30.0			
Ethylbenzene	+++++ 1.6261	1.3137 1.5326	1.5311 1.3970	1.4466	1.6153	Ave		1.4946				7.7		30.0			
n-Nonane	+++++ 0.5378	0.4015 0.5077	0.5064 0.4566	0.4886	0.5421	Ave		0.4915				10.0		30.0			
m,p-Xylene	+++++ 0.6266	0.5340 0.5827	0.6358 0.5275	0.5793	0.6315	Ave		0.5882				7.7		30.0			
Xylene, o-	+++++ 0.6382	0.5077 0.5950	0.5602 0.5416	0.5745	0.6461	Ave		0.5805				8.6		30.0			
Styrene	+++++ 0.9731	0.5870 0.9224	0.7597 0.8530	0.8441	0.9741	Ave		0.8448				16.0		30.0			
Bromoform	+++++ 0.8919	0.5369 0.8411	0.6649 0.7660	0.7618	0.8827	Ave		0.7636				17.0		30.0			
Cumene	+++++ 1.9859	1.5060 1.8594	1.8198 1.6629	1.7871	1.9826	Ave		1.8005				9.5		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8322	0.7302 0.7774	0.7998 0.7020	0.7563	0.8514	Ave		0.7785				6.9		30.0			
n-Propylbenzene	+++++ 2.1980	1.6943 2.0296	2.0196 1.7717	1.9786	2.2451	Ave		1.9910				10.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6496	+++++ 0.6103	0.6600 0.5568	0.5812	0.6618	Ave		0.6200				7.1		30.0			
n-Decane	+++++ 0.7229	+++++ 0.6694	0.6407 0.5839	0.6383	0.7418	Ave		0.6662				8.8		30.0			
4-Ethyltoluene	+++++ 2.0442	1.5885 1.8941	1.9315 1.6601	1.8352	2.0833	Ave		1.8624				9.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.6750	1.4841 1.5583	1.6449 1.3976	1.4965	1.7026	Ave		1.5656				7.2		30.0			
1,3,5-Trimethylbenzene	+++++ 1.8416	1.5650 1.7093	1.7970 1.5197	1.6518	1.8635	Ave		1.7068				7.9		30.0			
Alpha Methyl Styrene	+++++ 0.9173	0.4362 0.8590	0.5425 0.7883	0.7448	0.9151	Ave		0.7433				25.0		30.0			
tert-Butylbenzene	+++++ 1.7959	1.6256 1.6547	1.8695 1.4614	1.6792	1.8383	Ave		1.7035				8.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.8234	1.3752 1.6847	1.6759 1.5115	1.6080	1.8398	Ave		1.6455				10.0		30.0			
sec-Butylbenzene	+++++ 2.4663	2.1147 2.2642	2.4574 1.9683	2.2991	2.5196	Ave		2.2985				8.8		30.0			
4-Isopropyltoluene	+++++ 2.2346	1.7060 2.0616	2.1023 1.8121	2.0420	2.2735	Ave		2.0332				10.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2482	0.9539 1.1704	1.0523 1.0654	1.0279	1.2481	Ave		1.1095				10.0		30.0			
1,4-Dichlorobenzene	+++++ 1.2249	0.8651 1.1573	0.9451 1.0617	0.9710	1.2075	Ave		1.0618				13.0		30.0			
Benzyl chloride	+++++ 1.1914	0.4315 1.1747	0.4808 1.1702	0.7945	1.0978	Ave		0.9058				37.0	*	30.0			
n-Undecane	+++++ 0.7434	+++++ 0.6743	+++++ 0.5804	0.6006	0.7659	Ave		0.6729				12.0		30.0			
n-Butylbenzene	+++++ 1.6199	1.1640 1.5022	1.4013 1.3354	1.4095	1.6495	Ave		1.4403				12.0		30.0			
1,2-Dichlorobenzene	+++++ 1.2186	0.9727 1.1329	1.0090 1.0366	1.0144	1.2132	Ave		1.0853				9.4		30.0			
n-Dodecane	+++++ 0.5950	+++++ 0.5250	+++++ 0.5037	0.3032	0.5640	Ave		0.4982				23.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7080	+++++ 0.6290	0.3613 0.6751	0.3752	0.6525	Ave		0.5669				28.0		30.0			
Hexachlorobutadiene	+++++ 0.9320	0.8408 0.8418	0.9076 0.7408	0.8045	0.9536	Ave		0.8601				8.8		30.0			
Naphthalene	+++++ 1.4346	+++++ 1.1163	0.5210 1.3723	0.5605	1.3296	Ave		1.0557				39.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.6588	0.4727 0.5675	0.3635 0.6210	0.3656	0.6329	Ave		0.5260				24.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 213568	+++++ 289638	7945 560656	68655	140010	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 1498852	+++++ 2036941	49981 3865186	485352	999456	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 576407	+++++ 796162	19415 1544006	180454	381162	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1384998	18222 1884732	47401 3519414	449033	928242	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 255025	+++++ 355046	8328 692163	81439	167606	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 426076	+++++ 612083	14555 1130276	132351	285413	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	785 345433	4172 504923	10843 924618	106280	229012	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 221609	2746 339558	4226 621026	70353	149610	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 370868	4680 531610	12473 993761	115181	241442	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 192683	+++++ 261212	2763 527430	63675	134403	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 344527	4668 455537	11603 934027	110550	233611	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 529735	6379 702612	15879 1387891	165241	346182	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1617376	20318 2200642	52854 4221765	514440	1067747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 548423	+++++ 747926	17326 1427199	170593	358200	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 164496	+++++ 306624	34548 713715	62334	115578	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 304114	2907 404196	8848 781053	93118	192282	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 136437	+++++ 178554	+++++ 343495	41599	88241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1035821	13252 1397265	34973 2630721	336259	694880	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 484212	5839 659534	15370 1264367	152129	317945	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 516939	+++++ 699772	+++++ 1326389	176381	436259	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1239670	+++++ 1703476	40275 3259822	392390	823193	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 392981	+++++ 515348	+++++ 970703	127995	271288	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 355925	3587 493946	10000 969536	108983	230038	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 188475	+++++ 255856	+++++ 494906	58288	119328	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 342226	+++++ 470784	7285 907794	112408	222792	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 769883	+++++ 1019788	+++++ 1977171	238846	520688	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1491587	15719 2041570	20328 3875641	451169	954394	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 611440	7524 844028	19418 1626841	192709	404364	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 241893	+++++ 331675	3451 647138	74241	154438	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 586998	6510 814414	18896 1533795	186775	386694	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1839 737782	9302 1027200	24093 1949133	238918	489508	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 793302	+++++ 1097665	+++++ 2109173	240625	506331	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 524392	5823 731013	16193 1345344	166414	349712	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 217816	+++++ 296370	7410 538711	70567	146155	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 47096	+++++ 64609	+++++ 119476	15342	30677	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 329205	+++++ 451139	+++++ 852155	101249	214828	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1116352	13642 1547678	35637 2927600	353138	731043	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 673028	7515 923175	20413 1688008	216636	445466	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1324300	15118 1835675	41648 3459556	413102	868137	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	3273 1447512	16139 1993842	43501 3814449	446706	941186	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 1839233	19168 2522729	53707 4646331	576881	1197101	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1425296	17456 1957216	47199 3654247	457446	937791	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 728704	8141 1005157	21725 1966384	222650	467406	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 568000	6465 774565	16555 1440616	176521	366662	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 181355	+++++ 235433	+++++ 517699	53587	118539	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1891 751793	8957 1026975	23087 1941309	237693	491220	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 437616	4958 597332	13080 1128560	136596	284011	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 504843	+++++ 694248	11279 1353223	149417	323850	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 240826	+++++ 298849	+++++ 575243	77888	165035	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 838472	9828 1129943	26185 2104377	269564	549573	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1242171	12388 1695508	34332 3248918	376429	790894	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 829761	6754 1141045	19828 2226486	241583	516718	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 747823	5889 1005345	17569 1960750	222015	484157	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 732734	7146 978872	21985 1769899	242475	487448	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1121753	13704 1485517	37247 2730529	374209	734178	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 919654	7304 1248842	21161 2495427	264182	573361	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 536001	5327 721781	15426 1383319	165867	343630	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	3547 1322635	14970 1763608	41440 3252617	424268	864187	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 672845	+++++ 923848	11998 1887589	186308	428991	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 1461120	12873 1972982	36443 3787104	437541	945498	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1143093	10973 1548606	30725 2994648	341782	730003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 1726735	21441 2314513	54606 4418570	543348	1127504	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 2674126	27672 3595593	78861 6771998	838534	1747508	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 884417	8458 1191189	26081 2213408	283218	586515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2060996	22497 2733985	65501 5114351	671615	1366350	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1049575	10695 1395981	28855 2625249	333005	699008	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1600269	12364 2163997	39130 4134957	489313	1053878	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 1466678	11309 1973332	34246 3713054	441577	954966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 3265858	31723 4362179	93735 8060942	1035939	2144883	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1368578	15382 1823711	41194 3402773	438385	921128	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 3614694	35689 4761465	104027 8588250	1146976	2428875	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1068251	+++++ 1431836	33997 2699054	336924	716032	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1188859	+++++ 1570417	33003 2830746	370035	802571	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 3361751	33462 4443607	99489 8047332	1063848	2253825	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 2754570	31263 3655890	84726 6775236	867515	1842004	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3028455	32967 4010127	92557 7366666	957486	2016034	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1508516	9188 2015326	27942 3821590	431720	989971	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 2953424	34243 3882088	96292 7084357	973406	1988792	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20763-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 2998517	28967 3952293	86321 7327196	932117	1990462	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 4055790	44546 5312031	126577 9541306	1332745	2725866	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 3674867	35937 4836510	108282 8784165	1183705	2459661	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2052740	20094 2745844	54201 5164611	595827	1350281	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2014386	18222 2715131	48678 5146856	562877	1306309	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1959220	9089 2755877	24766 5672825	460575	1187690	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1222569	+++++ 1581850	+++++ 2813425	348175	828564	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 2663939	24520 3524244	72178 6473695	817045	1784515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2004035	20489 2657751	51971 5024963	588045	1312502	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 978405	+++++ 1231634	+++++ 2441545	175760	610188	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1164315	+++++ 1475667	18612 3272796	217472	705913	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1532640	17711 1974819	46747 3591316	466367	1031628	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 2359180	+++++ 2618860	26834 6652457	324882	1438505	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1083365	9957 1331446	18721 3010175	211935	684727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5718	+++++ 0.5385	0.6481 0.5237	0.5011	0.5642	Ave		0.5579				9.2		30.0			
Dichlorodifluoromethane	+++++ 4.0127	+++++ 3.7871	4.0771 3.6104	3.5425	4.0272	Ave		3.8428				6.0		30.0			
Freon 22	+++++ 1.5431	+++++ 1.4802	1.5837 1.4422	1.3171	1.5358	Ave		1.4837				6.4		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.7079	3.6219 3.5041	3.8666 3.2874	3.2774	3.7402	Ave		3.5722				6.3		30.0			
Chloromethane	+++++ 0.6827	+++++ 0.6601	0.6793 0.6465	0.5944	0.6753	Ave		0.6564				5.1		30.0			
n-Butane	+++++ 1.1407	+++++ 1.1380	1.1873 1.0558	0.9660	1.1500	Ave		1.1063				7.3		30.0			
Vinyl chloride	0.7183 0.9248	0.8293 0.9388	0.8845 0.8637	0.7757	0.9228	Ave		0.8572				9.1		30.0			
1,3-Butadiene	+++++ 0.5933	0.5458 0.6313	0.3447 0.5801	0.5135	0.6028	Ave		0.5445				18.0		30.0			
Bromomethane	+++++ 0.9929	0.9302 0.9884	1.0175 0.9283	0.8407	0.9729	Ave		0.9530				6.2		30.0			
Chloroethane	+++++ 0.5158	+++++ 0.4856	0.2254 0.4927	0.4648	0.5416	Ave		0.4543				25.0		30.0			
Isopentane	+++++ 0.9224	0.9278 0.8469	0.9465 0.8725	0.8069	0.9413	Ave		0.8949				6.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.4182	1.2679 1.3063	1.2953 1.2964	1.2061	1.3949	Ave		1.3122				5.6		30.0			
Trichlorofluoromethane	+++++ 4.3300	4.0385 4.0915	4.3114 3.9435	3.7548	4.3024	Ave		4.1103				5.3		30.0			
n-Pentane	+++++ 1.4682	+++++ 1.3906	1.4133 1.3331	1.2451	1.4433	Ave		1.3823				5.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.3296	+++++ 0.2850	0.2815 0.2667	0.2273	0.3103	Ave		0.2834				13.0		30.0			
Ethyl ether	+++++ 0.8142	0.5778 0.7515	0.7218 0.7296	0.6797	0.7748	Ave		0.7213				11.0		30.0			
Acrolein	+++++ 0.3653	+++++ 0.3320	+++++ 0.3209	0.3036	0.3556	Ave		0.3355				7.5		30.0			
Freon TF	+++++ 2.7731	2.6341 2.5978	2.8528 2.4573	2.4543	2.7999	Ave		2.6528				6.1		30.0			
1,1-Dichloroethene	+++++ 1.2963	1.1606 1.2262	1.2538 1.1810	1.1104	1.2811	Ave		1.2156				5.6		30.0			
Acetone	+++++ 1.3839	+++++ 1.3010	+++++ 1.2390	1.2874	1.7579	Ave		1.3938				15.0		30.0			
Carbon disulfide	+++++ 3.3188	+++++ 3.1671	3.2853 3.0449	2.8640	3.3170	Ave		3.1662				5.8		30.0			
Isopropyl alcohol	+++++ 1.0521	+++++ 0.9581	+++++ 0.9067	0.9342	1.0931	Ave		0.9889				8.1		30.0			
3-Chloropropene	+++++ 0.9529	0.7130 0.9184	0.8157 0.9056	0.7955	0.9269	Ave		0.8611				10.0		30.0			
Acetonitrile	+++++ 0.5046	+++++ 0.4757	+++++ 0.4623	0.4254	0.4808	Ave		0.4698				6.2		30.0			
Methylene Chloride	+++++ 0.9162	+++++ 0.8753	0.5943 0.8480	0.8205	0.8977	Ave		0.8253				14.0		30.0			
tert-Butyl alcohol	+++++ 2.0611	+++++ 1.8960	+++++ 1.8468	1.7433	2.0981	Ave		1.9291				7.7		30.0			
Methyl tert-butyl ether	+++++ 3.9933	3.1244 3.7957	1.6582 3.6202	3.2930	3.8456	Ave		3.3329				24.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.6369	1.4955 1.5692	1.5840 1.5196	1.4066	1.6293	Ave		1.5487				5.3		30.0			
Acrylonitrile	+++++ 0.6476	+++++ 0.6167	0.2815 0.6045	0.5419	0.6223	Ave		0.5524				25.0		30.0			
n-Hexane	+++++ 1.5715	1.2940 1.5142	1.5414 1.4327	1.3633	1.5581	Ave		1.4679				7.3		30.0			
1,1-Dichloroethane	1.6827 1.9752	1.8489 1.9098	1.9653 1.8207	1.7438	1.9724	Ave		1.8649				5.9		30.0			
Vinyl acetate	+++++ 2.1238	+++++ 2.0408	+++++ 1.9701	1.7563	2.0402	Ave		1.9863				7.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.4039	1.1574 1.3591	1.3209 1.2567	1.2146	1.4091	Ave		1.3031				7.4		30.0			
Methyl Ethyl Ketone	+++++ 0.5831	+++++ 0.5510	0.6045 0.5032	0.5151	0.5889	Ave		0.5576				7.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1261	+++++ 0.1201	+++++ 0.1116	0.1120	0.1236	Ave		0.1187				5.6		30.0			
Tetrahydrofuran	+++++ 0.1799	+++++ 0.1727	+++++ 0.1599	0.1542	0.1780	Ave		0.1689				6.7		30.0			
Chloroform	+++++ 2.9887	2.7116 2.8775	2.9070 2.7346	2.5775	2.9457	Ave		2.8204				5.3		30.0			
Cyclohexane	+++++ 0.3677	0.3032 0.3534	0.3443 0.3168	0.3299	0.3691	Ave		0.3406				7.4		30.0			
1,1,1-Trichloroethane	+++++ 0.7235	0.6099 0.7028	0.7024 0.6493	0.6292	0.7194	Ave		0.6766				6.8		30.0			
Carbon tetrachloride	0.6139 0.7908	0.6511 0.7634	0.7337 0.7159	0.6803	0.7799	Ave		0.7161				8.9		30.0			
2,2,4-Trimethylpentane	+++++ 1.0048	0.7733 0.9658	0.9058 0.8720	0.8786	0.9920	Ave		0.9132				8.9		30.0			
Benzene	+++++ 0.7787	0.7042 0.7493	0.7961 0.6858	0.6967	0.7771	Ave		0.7411				6.1		30.0			
1,2-Dichloroethane	+++++ 0.3981	0.3284 0.3848	0.3664 0.3690	0.3391	0.3873	Ave		0.3676				7.0		30.0			
n-Heptane	+++++ 0.3103	0.2608 0.2965	0.2792 0.2704	0.2688	0.3038	Ave		0.2843				6.8		30.0			
n-Butanol	+++++ 0.0991	+++++ 0.0901	+++++ 0.0972	0.0816	0.0982	Ave		0.0932				7.9		30.0			
Trichloroethene	0.3547 0.4107	0.3613 0.3932	0.3894 0.3643	0.3620	0.4070	Ave		0.3803				5.9		30.0			
1,2-Dichloropropane	+++++ 0.2391	0.2000 0.2287	0.2206 0.2118	0.2080	0.2353	Ave		0.2205				6.6		30.0			
Methyl methacrylate	+++++ 0.2758	+++++ 0.2658	0.1902 0.2540	0.2276	0.2684	Ave		0.2470				13.0		30.0			
1,4-Dioxane	+++++ 0.1316	+++++ 0.1144	+++++ 0.1080	0.1186	0.1368	Ave		0.1219				9.8		30.0			
Dibromomethane	+++++ 0.4581	0.3965 0.4326	0.4416 0.3949	0.4105	0.4554	Ave		0.4271				6.2		30.0			
Bromodichloromethane	+++++ 0.6786	0.4998 0.6491	0.5790 0.6097	0.5733	0.6554	Ave		0.6064				10.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4533	0.2725 0.4369	0.3344 0.4179	0.3679	0.4282	Ave		0.3873				17.0		30.0			
methyl isobutyl ketone	+++++ 0.4086	0.2376 0.3849	0.2963 0.3680	0.3381	0.4012	Ave		0.3478				18.0		30.0			
n-Octane	+++++ 0.4003	0.2883 0.3748	0.3708 0.3322	0.3693	0.4039	Ave		0.3628				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6821	0.6506 0.6332	0.7231 0.5633	0.6455	0.6786	Ave		0.6538				7.6		30.0			
trans-1,3-Dichloropropene	+++++ 0.5024	0.2947 0.4781	0.3569 0.4683	0.4023	0.4751	Ave		0.4254				18.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3259	0.2529 0.3077	0.2995 0.2854	0.2861	0.3176	Ave		0.2964				8.2		30.0			
Tetrachloroethene	0.7920 0.8043	0.7107 0.7517	0.8045 0.6710	0.7319	0.7988	Ave		0.7581				6.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4091	+++++ 0.3938	0.2329 0.3894	0.3214	0.3965	Ave		0.3572				19.0		30.0			
Dibromochloromethane	+++++ 0.8885	0.6111 0.8410	0.7075 0.7812	0.7548	0.8739	Ave		0.7797				13.0		30.0			
1,2-Dibromoethane	+++++ 0.6951	0.5209 0.6601	0.5965 0.6178	0.5896	0.6748	Ave		0.6221				9.6		30.0			
Chlorobenzene	+++++ 1.0500	1.0179 0.9866	1.0602 0.9115	0.9373	1.0422	Ave		1.0008				5.8		30.0			
Ethylbenzene	+++++ 1.6261	1.3137 1.5326	1.5311 1.3970	1.4466	1.6153	Ave		1.4946				7.7		30.0			
n-Nonane	+++++ 0.5378	0.4015 0.5077	0.5064 0.4566	0.4886	0.5421	Ave		0.4915				10.0		30.0			
m,p-Xylene	+++++ 0.6266	0.5340 0.5827	0.6358 0.5275	0.5793	0.6315	Ave		0.5882				7.7		30.0			
Xylene, o-	+++++ 0.6382	0.5077 0.5950	0.5602 0.5416	0.5745	0.6461	Ave		0.5805				8.6		30.0			
Styrene	+++++ 0.9731	0.5870 0.9224	0.7597 0.8530	0.8441	0.9741	Ave		0.8448				16.0		30.0			
Bromoform	+++++ 0.8919	0.5369 0.8411	0.6649 0.7660	0.7618	0.8827	Ave		0.7636				17.0		30.0			
Cumene	+++++ 1.9859	1.5060 1.8594	1.8198 1.6629	1.7871	1.9826	Ave		1.8005				9.5		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8322	0.7302 0.7774	0.7998 0.7020	0.7563	0.8514	Ave		0.7785				6.9		30.0			
n-Propylbenzene	+++++ 2.1980	1.6943 2.0296	2.0196 1.7717	1.9786	2.2451	Ave		1.9910				10.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6496	+++++ 0.6103	0.6600 0.5568	0.5812	0.6618	Ave		0.6200				7.1		30.0			
n-Decane	+++++ 0.7229	+++++ 0.6694	0.6407 0.5839	0.6383	0.7418	Ave		0.6662				8.8		30.0			
4-Ethyltoluene	+++++ 2.0442	1.5885 1.8941	1.9315 1.6601	1.8352	2.0833	Ave		1.8624				9.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.6750	1.4841 1.5583	1.6449 1.3976	1.4965	1.7026	Ave		1.5656				7.2		30.0			
1,3,5-Trimethylbenzene	+++++ 1.8416	1.5650 1.7093	1.7970 1.5197	1.6518	1.8635	Ave		1.7068				7.9		30.0			
Alpha Methyl Styrene	+++++ 0.9173	0.4362 0.8590	0.5425 0.7883	0.7448	0.9151	Ave		0.7433				25.0		30.0			
tert-Butylbenzene	+++++ 1.7959	1.6256 1.6547	1.8695 1.4614	1.6792	1.8383	Ave		1.7035				8.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.8234	1.3752 1.6847	1.6759 1.5115	1.6080	1.8398	Ave		1.6455				10.0		30.0			
sec-Butylbenzene	+++++ 2.4663	2.1147 2.2642	2.4574 1.9683	2.2991	2.5196	Ave		2.2985				8.8		30.0			
4-Isopropyltoluene	+++++ 2.2346	1.7060 2.0616	2.1023 1.8121	2.0420	2.2735	Ave		2.0332				10.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2482	0.9539 1.1704	1.0523 1.0654	1.0279	1.2481	Ave		1.1095				10.0		30.0			
1,4-Dichlorobenzene	+++++ 1.2249	0.8651 1.1573	0.9451 1.0617	0.9710	1.2075	Ave		1.0618				13.0		30.0			
Benzyl chloride	+++++ 1.1914	0.4315 1.1747	0.4808 1.1702	0.7945	1.0978	Ave		0.9058				37.0	*	30.0			
n-Undecane	+++++ 0.7434	+++++ 0.6743	+++++ 0.5804	0.6006	0.7659	Ave		0.6729				12.0		30.0			
n-Butylbenzene	+++++ 1.6199	1.1640 1.5022	1.4013 1.3354	1.4095	1.6495	Ave		1.4403				12.0		30.0			
1,2-Dichlorobenzene	+++++ 1.2186	0.9727 1.1329	1.0090 1.0366	1.0144	1.2132	Ave		1.0853				9.4		30.0			
n-Dodecane	+++++ 0.5950	+++++ 0.5250	+++++ 0.5037	0.3032	0.5640	Ave		0.4982				23.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7080	+++++ 0.6290	0.3613 0.6751	0.3752	0.6525	Ave		0.5669				28.0		30.0			
Hexachlorobutadiene	+++++ 0.9320	0.8408 0.8418	0.9076 0.7408	0.8045	0.9536	Ave		0.8601				8.8		30.0			
Naphthalene	+++++ 1.4346	+++++ 1.1163	0.5210 1.3723	0.5605	1.3296	Ave		1.0557				39.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.6588	0.4727 0.5675	0.3635 0.6210	0.3656	0.6329	Ave		0.5260				24.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-65929/4	wak004.d
Level 2	IC 200-65929/5	wak005.d
Level 3	IC 200-65929/6	wak006.d
Level 4	IC 200-65929/7	wak007.d
Level 5	ICIS 200-65929/8	wak008.d
Level 6	IC 200-65929/9	wak009.d
Level 7	IC 200-65929/10	wak010.d
Level 8	IC 200-65929/11	wak011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 213568	+++++ 289638	7945 560656	68655	140010	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 1498852	+++++ 2036941	49981 3865186	485352	999456	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 576407	+++++ 796162	19415 1544006	180454	381162	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1384998	18222 1884732	47401 3519414	449033	928242	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 255025	+++++ 355046	8328 692163	81439	167606	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 426076	+++++ 612083	14555 1130276	132351	285413	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	785 345433	4172 504923	10843 924618	106280	229012	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 221609	2746 339558	4226 621026	70353	149610	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 370868	4680 531610	12473 993761	115181	241442	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 192683	+++++ 261212	2763 527430	63675	134403	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 344527	4668 455537	11603 934027	110550	233611	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 529735	6379 702612	15879 1387891	165241	346182	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1617376	20318 2200642	52854 4221765	514440	1067747	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 548423	+++++ 747926	17326 1427199	170593	358200	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 164496	+++++ 306624	34548 713715	62334	115578	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 304114	2907 404196	8848 781053	93118	192282	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 136437	+++++ 178554	+++++ 343495	41599	88241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1035821	13252 1397265	34973 2630721	336259	694880	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 484212	5839 659534	15370 1264367	152129	317945	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 516939	+++++ 699772	+++++ 1326389	176381	436259	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1239670	+++++ 1703476	40275 3259822	392390	823193	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 392981	+++++ 515348	+++++ 970703	127995	271288	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 355925	3587 493946	10000 969536	108983	230038	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 188475	+++++ 255856	+++++ 494906	58288	119328	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 342226	+++++ 470784	7285 907794	112408	222792	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 769883	+++++ 1019788	+++++ 1977171	238846	520688	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1491587	15719 2041570	20328 3875641	451169	954394	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 611440	7524 844028	19418 1626841	192709	404364	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 241893	+++++ 331675	3451 647138	74241	154438	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 586998	6510 814414	18896 1533795	186775	386694	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1839 737782	9302 1027200	24093 1949133	238918	489508	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 793302	+++++ 1097665	+++++ 2109173	240625	506331	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 524392	5823 731013	16193 1345344	166414	349712	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 217816	+++++ 296370	7410 538711	70567	146155	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 47096	+++++ 64609	+++++ 119476	15342	30677	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 329205	+++++ 451139	+++++ 852155	101249	214828	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1116352	13642 1547678	35637 2927600	353138	731043	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 673028	7515 923175	20413 1688008	216636	445466	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1324300	15118 1835675	41648 3459556	413102	868137	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	3273 1447512	16139 1993842	43501 3814449	446706	941186	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 1839233	19168 2522729	53707 4646331	576881	1197101	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1425296	17456 1957216	47199 3654247	457446	937791	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 728704	8141 1005157	21725 1966384	222650	467406	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 568000	6465 774565	16555 1440616	176521	366662	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 181355	+++++ 235433	+++++ 517699	53587	118539	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1891 751793	8957 1026975	23087 1941309	237693	491220	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 437616	4958 597332	13080 1128560	136596	284011	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 504843	+++++ 694248	11279 1353223	149417	323850	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 240826	+++++ 298849	+++++ 575243	77888	165035	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 838472	9828 1129943	26185 2104377	269564	549573	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1242171	12388 1695508	34332 3248918	376429	790894	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 829761	6754 1141045	19828 2226486	241583	516718	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 747823	5889 1005345	17569 1960750	222015	484157	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 732734	7146 978872	21985 1769899	242475	487448	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1121753	13704 1485517	37247 2730529	374209	734178	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 919654	7304 1248842	21161 2495427	264182	573361	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 536001	5327 721781	15426 1383319	165867	343630	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	3547 1322635	14970 1763608	41440 3252617	424268	864187	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 672845	+++++ 923848	11998 1887589	186308	428991	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 1461120	12873 1972982	36443 3787104	437541	945498	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1143093	10973 1548606	30725 2994648	341782	730003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 1726735	21441 2314513	54606 4418570	543348	1127504	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 2674126	27672 3595593	78861 6771998	838534	1747508	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 884417	8458 1191189	26081 2213408	283218	586515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2060996	22497 2733985	65501 5114351	671615	1366350	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1049575	10695 1395981	28855 2625249	333005	699008	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1600269	12364 2163997	39130 4134957	489313	1053878	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 1466678	11309 1973332	34246 3713054	441577	954966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 3265858	31723 4362179	93735 8060942	1035939	2144883	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1368578	15382 1823711	41194 3402773	438385	921128	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 3614694	35689 4761465	104027 8588250	1146976	2428875	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1068251	+++++ 1431836	33997 2699054	336924	716032	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1188859	+++++ 1570417	33003 2830746	370035	802571	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 3361751	33462 4443607	99489 8047332	1063848	2253825	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 2754570	31263 3655890	84726 6775236	867515	1842004	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3028455	32967 4010127	92557 7366666	957486	2016034	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1508516	9188 2015326	27942 3821590	431720	989971	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 2953424	34243 3882088	96292 7084357	973406	1988792	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-20780-1 Analy Batch No.: 65929

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2013 18:12 Calibration End Date: 12/12/2013 23:57 Calibration ID: 24715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 2998517	28967 3952293	86321 7327196	932117	1990462	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 4055790	44546 5312031	126577 9541306	1332745	2725866	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 3674867	35937 4836510	108282 8784165	1183705	2459661	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2052740	20094 2745844	54201 5164611	595827	1350281	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2014386	18222 2715131	48678 5146856	562877	1306309	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1959220	9089 2755877	24766 5672825	460575	1187690	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1222569	+++++ 1581850	+++++ 2813425	348175	828564	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 2663939	24520 3524244	72178 6473695	817045	1784515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2004035	20489 2657751	51971 5024963	588045	1312502	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 978405	+++++ 1231634	+++++ 2441545	175760	610188	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1164315	+++++ 1475667	18612 3272796	217472	705913	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1532640	17711 1974819	46747 3591316	466367	1031628	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 2359180	+++++ 2618860	26834 6652457	324882	1438505	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1083365	9957 1331446	18721 3010175	211935	684727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.5994		10.7	10.0	7.4	30.0
Dichlorodifluoromethane	Ave	3.843	4.262		11.1	10.0	10.9	30.0
Freon 22	Ave	1.484	1.643		11.1	10.0	10.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	3.941		11.0	10.0	10.3	30.0
Chloromethane	Ave	0.6564	0.7291		11.1	10.0	11.1	30.0
n-Butane	Ave	1.106	1.173		10.6	10.0	6.1	30.0
Vinyl chloride	Ave	0.8572	0.9515		11.1	10.0	11.0	30.0
1,3-Butadiene	Ave	0.5445	0.6454		11.9	10.0	18.5	30.0
Bromomethane	Ave	0.9530	1.010		10.6	10.0	6.0	30.0
Chloroethane	Ave	0.4543	0.5477		12.1	10.0	20.6	30.0
Isopentane	Ave	0.8949	0.9897		11.1	10.0	10.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.493		11.4	10.0	13.8	30.0
Trichlorofluoromethane	Ave	4.110	4.555		11.1	10.0	10.8	30.0
n-Pentane	Ave	1.382	1.515		11.0	10.0	9.6	30.0
Ethanol	Ave	0.2834	0.3220		17.0	15.0	13.6	30.0
Ethyl ether	Ave	0.7213	0.7945		11.0	10.0	10.1	30.0
Acrolein	Ave	0.3355	0.3233		9.64	10.0	-3.6	30.0
Freon TF	Ave	2.653	3.208		12.1	10.0	20.9	30.0
1,1-Dichloroethene	Ave	1.216	1.513		12.4	10.0	24.5	30.0
Acetone	Ave	1.394	1.525		10.9	10.0	9.4	30.0
Carbon disulfide	Ave	3.166	3.611		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.089		11.0	10.0	10.2	30.0
3-Chloropropene	Ave	0.8611	1.023		11.9	10.0	18.9	30.0
Acetonitrile	Ave	0.4698	0.5076		10.8	10.0	8.1	30.0
Methylene Chloride	Ave	0.8253	1.044		12.6	10.0	26.5	30.0
tert-Butyl alcohol	Ave	1.929	2.078		10.8	10.0	7.7	30.0
Methyl tert-butyl ether	Ave	3.333	4.187		12.6	10.0	25.6	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.758		11.3	10.0	13.5	30.0
Acrylonitrile	Ave	0.5524	0.6698		12.1	10.0	21.3	30.0
n-Hexane	Ave	1.468	1.696		11.6	10.0	15.5	30.0
1,1-Dichloroethane	Ave	1.865	2.130		11.4	10.0	14.2	30.0
Vinyl acetate	Ave	1.986	2.177		11.0	10.0	9.6	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.527		11.7	10.0	17.2	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6144		11.0	10.0	10.2	30.0
Ethyl acetate	Ave	0.1187	0.1295		10.9	10.0	9.1	30.0
Tetrahydrofuran	Ave	0.1689	0.1907		11.3	10.0	12.9	30.0
Chloroform	Ave	2.820	3.124		11.1	10.0	10.8	30.0
Cyclohexane	Ave	0.3406	0.4008		11.8	10.0	17.6	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8095		12.0	10.0	19.6	30.0
Carbon tetrachloride	Ave	0.7161	0.8253		11.5	10.0	15.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.095		12.0	10.0	20.0	30.0
Benzene	Ave	0.7411	0.8408		11.3	10.0	13.4	30.0
1,2-Dichloroethane	Ave	0.3676	0.4232		11.5	10.0	15.1	30.0
n-Heptane	Ave	0.2843	0.3335		11.7	10.0	17.3	30.0
n-Butanol	Ave	0.0932	0.0939		10.1	10.0	0.7	30.0
Trichloroethene	Ave	0.3803	0.4322		11.4	10.0	13.6	30.0
1,2-Dichloropropane	Ave	0.2205	0.2488		11.3	10.0	12.8	30.0
Methyl methacrylate	Ave	0.2470	0.2844		11.5	10.0	15.2	30.0
1,4-Dioxane	Ave	0.1219	0.1249		10.2	10.0	2.5	30.0
Dibromomethane	Ave	0.4271	0.4797		11.2	10.0	12.3	30.0
Bromodichloromethane	Ave	0.6064	0.7269		12.0	10.0	19.9	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4579		11.8	10.0	18.2	30.0
methyl isobutyl ketone	Ave	0.3478	0.4278		12.3	10.0	23.0	30.0
n-Octane	Ave	0.3628	0.4369		12.0	10.0	20.4	30.0
Toluene	Ave	0.6538	0.6977		10.7	10.0	6.7	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5042		11.8	10.0	18.5	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3084		10.4	10.0	4.0	30.0
Tetrachloroethene	Ave	0.7581	0.7970		10.5	10.0	5.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.3924		11.0	10.0	9.9	30.0
Dibromochloromethane	Ave	0.7797	0.9039		11.6	10.0	15.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.6723		10.8	10.0	8.1	30.0
Chlorobenzene	Ave	1.001	1.033		10.3	10.0	3.2	30.0
Ethylbenzene	Ave	1.495	1.632		10.9	10.0	9.2	30.0
n-Nonane	Ave	0.4915	0.5572		11.3	10.0	13.4	30.0
m,p-Xylene	Ave	0.5882	0.6332		21.5	20.0	7.7	30.0
Xylene, o-	Ave	0.5805	0.6344		10.9	10.0	9.3	30.0
Styrene	Ave	0.8448	0.9694		11.5	10.0	14.8	30.0
Bromoform	Ave	0.7636	0.8991		11.8	10.0	17.7	30.0
Cumene	Ave	1.801	2.022		11.2	10.0	12.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.8065		10.4	10.0	3.6	30.0
n-Propylbenzene	Ave	1.991	2.263		11.4	10.0	13.7	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.6618		10.7	10.0	6.7	30.0
n-Decane	Ave	0.6662	0.7412		11.1	10.0	11.3	30.0
4-Ethyltoluene	Ave	1.862	2.134		11.5	10.0	14.6	30.0
2-Chlorotoluene	Ave	1.566	1.727		11.0	10.0	10.3	30.0
1,3,5-Trimethylbenzene	Ave	1.707	1.838		10.8	10.0	7.7	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9000		12.1	10.0	21.1	30.0
tert-Butylbenzene	Ave	1.704	1.855		10.9	10.0	8.9	30.0
1,2,4-Trimethylbenzene	Ave	1.645	1.781		10.8	10.0	8.2	30.0
sec-Butylbenzene	Ave	2.299	2.536		11.0	10.0	10.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.294		11.3	10.0	12.8	30.0
1,3-Dichlorobenzene	Ave	1.109	1.186		10.7	10.0	6.9	30.0
1,4-Dichlorobenzene	Ave	1.062	1.148		10.8	10.0	8.1	30.0
Benzyl chloride	Ave	0.9058	1.055		11.6	10.0	16.4	30.0
n-Undecane	Ave	0.6729	0.7738		11.5	10.0	15.0	30.0
n-Butylbenzene	Ave	1.440	1.646		11.4	10.0	14.3	30.0
1,2-Dichlorobenzene	Ave	1.085	1.129		10.4	10.0	4.1	30.0
n-Dodecane	Ave	0.4982	0.5718		11.5	10.0	14.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6117		10.8	10.0	7.9	30.0
Hexachlorobutadiene	Ave	0.8601	0.9242		10.7	10.0	7.4	30.0
Naphthalene	Ave	1.056	1.362		12.9	10.0	29.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6460		12.3	10.0	22.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.6141		11.0	10.0	10.1	30.0
Dichlorodifluoromethane	Ave	3.843	4.499		11.7	10.0	17.1	30.0
Freon 22	Ave	1.484	1.695		11.4	10.0	14.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	4.028		11.3	10.0	12.8	30.0
Chloromethane	Ave	0.6564	0.7330		11.2	10.0	11.7	30.0
n-Butane	Ave	1.106	1.241		11.2	10.0	12.2	30.0
Vinyl chloride	Ave	0.8572	0.996		11.6	10.0	16.2	30.0
1,3-Butadiene	Ave	0.5445	0.6435		11.8	10.0	18.2	30.0
Bromomethane	Ave	0.9530	1.018		10.7	10.0	6.8	30.0
Chloroethane	Ave	0.4543	0.5498		12.1	10.0	21.0	30.0
Isopentane	Ave	0.8949	0.9837		11.0	10.0	9.9	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.494		11.4	10.0	13.9	30.0
Trichlorofluoromethane	Ave	4.110	4.888		11.9	10.0	18.9	30.0
n-Pentane	Ave	1.382	1.552		11.2	10.0	12.3	30.0
Ethanol	Ave	0.2834	0.3311		17.5	15.0	16.8	30.0
Ethyl ether	Ave	0.7213	0.8131		11.3	10.0	12.7	30.0
Acrolein	Ave	0.3355	0.3583		10.7	10.0	6.8	30.0
Freon TF	Ave	2.653	3.072		11.6	10.0	15.8	30.0
1,1-Dichloroethene	Ave	1.216	1.382		11.4	10.0	13.7	30.0
Acetone	Ave	1.394	2.068		14.8	10.0	48.3*	30.0
Carbon disulfide	Ave	3.166	3.614		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.058		10.7	10.0	6.9	30.0
3-Chloropropene	Ave	0.8611	0.996		11.6	10.0	15.7	30.0
Acetonitrile	Ave	0.4698	0.5141		10.9	10.0	9.4	30.0
Methylene Chloride	Ave	0.8253	0.9911		12.0	10.0	20.1	30.0
tert-Butyl alcohol	Ave	1.929	2.038		10.6	10.0	5.7	30.0
Methyl tert-butyl ether	Ave	3.333	3.974		11.9	10.0	19.2	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.772		11.4	10.0	14.4	30.0
Acrylonitrile	Ave	0.5524	0.6559		11.9	10.0	18.7	30.0
n-Hexane	Ave	1.468	1.641		11.2	10.0	11.8	30.0
1,1-Dichloroethane	Ave	1.865	2.102		11.3	10.0	12.7	30.0
Vinyl acetate	Ave	1.986	2.154		10.8	10.0	8.5	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.494		11.5	10.0	14.6	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6539		11.7	10.0	17.3	30.0
Ethyl acetate	Ave	0.1187	0.1315		11.1	10.0	10.8	30.0
Tetrahydrofuran	Ave	0.1689	0.1945		11.5	10.0	15.1	30.0
Chloroform	Ave	2.820	3.258		11.5	10.0	15.5	30.0
Cyclohexane	Ave	0.3406	0.3978		11.7	10.0	16.8	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8371		12.4	10.0	23.7	30.0
Carbon tetrachloride	Ave	0.7161	0.9196		12.8	10.0	28.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.084		11.9	10.0	18.7	30.0
Benzene	Ave	0.7411	0.8715		11.8	10.0	17.6	30.0
1,2-Dichloroethane	Ave	0.3676	0.4393		11.9	10.0	19.5	30.0
n-Heptane	Ave	0.2843	0.3432		12.1	10.0	20.7	30.0
n-Butanol	Ave	0.0932	0.0964		10.3	10.0	3.4	30.0
Trichloroethene	Ave	0.3803	0.4652		12.2	10.0	22.3	30.0
1,2-Dichloropropane	Ave	0.2205	0.2637		12.0	10.0	19.6	30.0
Methyl methacrylate	Ave	0.2470	0.2965		12.0	10.0	20.0	30.0
1,4-Dioxane	Ave	0.1219	0.1411		11.6	10.0	15.7	30.0
Dibromomethane	Ave	0.4271	0.5380		12.6	10.0	26.0	30.0
Bromodichloromethane	Ave	0.6064	0.7663		12.6	10.0	26.4	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4837		12.5	10.0	24.9	30.0
methyl isobutyl ketone	Ave	0.3478	0.4499		12.9	10.0	29.4	30.0
n-Octane	Ave	0.3628	0.4611		12.7	10.0	27.1	30.0
Toluene	Ave	0.6538	0.7458		11.4	10.0	14.1	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5536		13.0	10.0	30.1*	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3575		12.1	10.0	20.6	30.0
Tetrachloroethene	Ave	0.7581	0.9127		12.0	10.0	20.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.4413		12.4	10.0	23.5	30.0
Dibromochloromethane	Ave	0.7797	1.005		12.9	10.0	28.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.7571		12.2	10.0	21.7	30.0
Chlorobenzene	Ave	1.001	1.158		11.6	10.0	15.7	30.0
Ethylbenzene	Ave	1.495	1.782		11.9	10.0	19.3	30.0
n-Nonane	Ave	0.4915	0.6009		12.2	10.0	22.2	30.0
m,p-Xylene	Ave	0.5882	0.7021		23.9	20.0	19.4	30.0
Xylene, o-	Ave	0.5805	0.7106		12.2	10.0	22.4	30.0
Styrene	Ave	0.8448	1.043		12.3	10.0	23.5	30.0
Bromoform	Ave	0.7636	1.050		13.7	10.0	37.4*	30.0
Cumene	Ave	1.801	2.240		12.4	10.0	24.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.9781		12.6	10.0	25.6	30.0
n-Propylbenzene	Ave	1.991	2.571		12.9	10.0	29.1	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.7702		12.4	10.0	24.2	30.0
n-Decane	Ave	0.6662	0.8387		12.6	10.0	25.9	30.0
4-Ethyltoluene	Ave	1.862	2.401		12.9	10.0	28.9	30.0
2-Chlorotoluene	Ave	1.566	1.985		12.7	10.0	26.8	30.0
1,3,5-Trimethylbenzene	Ave	1.707	2.148		12.6	10.0	25.9	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9423		12.7	10.0	26.8	30.0
tert-Butylbenzene	Ave	1.704	2.127		12.5	10.0	24.8	30.0
1,2,4-Trimethylbenzene	Ave	1.645	2.120		12.9	10.0	28.8	30.0
sec-Butylbenzene	Ave	2.299	2.914		12.7	10.0	26.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.628		12.9	10.0	29.3	30.0
1,3-Dichlorobenzene	Ave	1.109	1.461		13.2	10.0	31.7*	30.0
1,4-Dichlorobenzene	Ave	1.062	1.420		13.4	10.0	33.8*	30.0
Benzyl chloride	Ave	0.9058	1.363		15.0	10.0	50.5*	30.0
n-Undecane	Ave	0.6729	0.8599		12.8	10.0	27.8	30.0
n-Butylbenzene	Ave	1.440	1.905		13.2	10.0	32.2*	30.0
1,2-Dichlorobenzene	Ave	1.085	1.436		13.2	10.0	32.3*	30.0
n-Dodecane	Ave	0.4982	0.5920		11.9	10.0	18.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6763		11.9	10.0	19.3	30.0
Hexachlorobutadiene	Ave	0.8601	1.162		13.5	10.0	35.1*	30.0
Naphthalene	Ave	1.056	1.259		11.9	10.0	19.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6739		12.8	10.0	28.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.5994		10.7	10.0	7.4	30.0
Dichlorodifluoromethane	Ave	3.843	4.262		11.1	10.0	10.9	30.0
Freon 22	Ave	1.484	1.643		11.1	10.0	10.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	3.941		11.0	10.0	10.3	30.0
Chloromethane	Ave	0.6564	0.7291		11.1	10.0	11.1	30.0
n-Butane	Ave	1.106	1.173		10.6	10.0	6.1	30.0
Vinyl chloride	Ave	0.8572	0.9515		11.1	10.0	11.0	30.0
1,3-Butadiene	Ave	0.5445	0.6454		11.9	10.0	18.5	30.0
Bromomethane	Ave	0.9530	1.010		10.6	10.0	6.0	30.0
Chloroethane	Ave	0.4543	0.5477		12.1	10.0	20.6	30.0
Isopentane	Ave	0.8949	0.9897		11.1	10.0	10.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.493		11.4	10.0	13.8	30.0
Trichlorofluoromethane	Ave	4.110	4.555		11.1	10.0	10.8	30.0
n-Pentane	Ave	1.382	1.515		11.0	10.0	9.6	30.0
Ethanol	Ave	0.2834	0.3220		17.0	15.0	13.6	30.0
Ethyl ether	Ave	0.7213	0.7945		11.0	10.0	10.1	30.0
Acrolein	Ave	0.3355	0.3233		9.64	10.0	-3.6	30.0
Freon TF	Ave	2.653	3.208		12.1	10.0	20.9	30.0
1,1-Dichloroethene	Ave	1.216	1.513		12.4	10.0	24.5	30.0
Acetone	Ave	1.394	1.525		10.9	10.0	9.4	30.0
Carbon disulfide	Ave	3.166	3.611		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.089		11.0	10.0	10.2	30.0
3-Chloropropene	Ave	0.8611	1.023		11.9	10.0	18.9	30.0
Acetonitrile	Ave	0.4698	0.5076		10.8	10.0	8.1	30.0
Methylene Chloride	Ave	0.8253	1.044		12.6	10.0	26.5	30.0
tert-Butyl alcohol	Ave	1.929	2.078		10.8	10.0	7.7	30.0
Methyl tert-butyl ether	Ave	3.333	4.187		12.6	10.0	25.6	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.758		11.3	10.0	13.5	30.0
Acrylonitrile	Ave	0.5524	0.6698		12.1	10.0	21.3	30.0
n-Hexane	Ave	1.468	1.696		11.6	10.0	15.5	30.0
1,1-Dichloroethane	Ave	1.865	2.130		11.4	10.0	14.2	30.0
Vinyl acetate	Ave	1.986	2.177		11.0	10.0	9.6	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.527		11.7	10.0	17.2	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6144		11.0	10.0	10.2	30.0
Ethyl acetate	Ave	0.1187	0.1295		10.9	10.0	9.1	30.0
Tetrahydrofuran	Ave	0.1689	0.1907		11.3	10.0	12.9	30.0
Chloroform	Ave	2.820	3.124		11.1	10.0	10.8	30.0
Cyclohexane	Ave	0.3406	0.4008		11.8	10.0	17.6	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8095		12.0	10.0	19.6	30.0
Carbon tetrachloride	Ave	0.7161	0.8253		11.5	10.0	15.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.095		12.0	10.0	20.0	30.0
Benzene	Ave	0.7411	0.8408		11.3	10.0	13.4	30.0
1,2-Dichloroethane	Ave	0.3676	0.4232		11.5	10.0	15.1	30.0
n-Heptane	Ave	0.2843	0.3335		11.7	10.0	17.3	30.0
n-Butanol	Ave	0.0932	0.0939		10.1	10.0	0.7	30.0
Trichloroethene	Ave	0.3803	0.4322		11.4	10.0	13.6	30.0
1,2-Dichloropropane	Ave	0.2205	0.2488		11.3	10.0	12.8	30.0
Methyl methacrylate	Ave	0.2470	0.2844		11.5	10.0	15.2	30.0
1,4-Dioxane	Ave	0.1219	0.1249		10.2	10.0	2.5	30.0
Dibromomethane	Ave	0.4271	0.4797		11.2	10.0	12.3	30.0
Bromodichloromethane	Ave	0.6064	0.7269		12.0	10.0	19.9	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4579		11.8	10.0	18.2	30.0
methyl isobutyl ketone	Ave	0.3478	0.4278		12.3	10.0	23.0	30.0
n-Octane	Ave	0.3628	0.4369		12.0	10.0	20.4	30.0
Toluene	Ave	0.6538	0.6977		10.7	10.0	6.7	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5042		11.8	10.0	18.5	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3084		10.4	10.0	4.0	30.0
Tetrachloroethene	Ave	0.7581	0.7970		10.5	10.0	5.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.3924		11.0	10.0	9.9	30.0
Dibromochloromethane	Ave	0.7797	0.9039		11.6	10.0	15.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.6723		10.8	10.0	8.1	30.0
Chlorobenzene	Ave	1.001	1.033		10.3	10.0	3.2	30.0
Ethylbenzene	Ave	1.495	1.632		10.9	10.0	9.2	30.0
n-Nonane	Ave	0.4915	0.5572		11.3	10.0	13.4	30.0
m,p-Xylene	Ave	0.5882	0.6332		21.5	20.0	7.7	30.0
Xylene, o-	Ave	0.5805	0.6344		10.9	10.0	9.3	30.0
Styrene	Ave	0.8448	0.9694		11.5	10.0	14.8	30.0
Bromoform	Ave	0.7636	0.8991		11.8	10.0	17.7	30.0
Cumene	Ave	1.801	2.022		11.2	10.0	12.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.8065		10.4	10.0	3.6	30.0
n-Propylbenzene	Ave	1.991	2.263		11.4	10.0	13.7	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.6618		10.7	10.0	6.7	30.0
n-Decane	Ave	0.6662	0.7412		11.1	10.0	11.3	30.0
4-Ethyltoluene	Ave	1.862	2.134		11.5	10.0	14.6	30.0
2-Chlorotoluene	Ave	1.566	1.727		11.0	10.0	10.3	30.0
1,3,5-Trimethylbenzene	Ave	1.707	1.838		10.8	10.0	7.7	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9000		12.1	10.0	21.1	30.0
tert-Butylbenzene	Ave	1.704	1.855		10.9	10.0	8.9	30.0
1,2,4-Trimethylbenzene	Ave	1.645	1.781		10.8	10.0	8.2	30.0
sec-Butylbenzene	Ave	2.299	2.536		11.0	10.0	10.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.294		11.3	10.0	12.8	30.0
1,3-Dichlorobenzene	Ave	1.109	1.186		10.7	10.0	6.9	30.0
1,4-Dichlorobenzene	Ave	1.062	1.148		10.8	10.0	8.1	30.0
Benzyl chloride	Ave	0.9058	1.055		11.6	10.0	16.4	30.0
n-Undecane	Ave	0.6729	0.7738		11.5	10.0	15.0	30.0
n-Butylbenzene	Ave	1.440	1.646		11.4	10.0	14.3	30.0
1,2-Dichlorobenzene	Ave	1.085	1.129		10.4	10.0	4.1	30.0
n-Dodecane	Ave	0.4982	0.5718		11.5	10.0	14.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6117		10.8	10.0	7.9	30.0
Hexachlorobutadiene	Ave	0.8601	0.9242		10.7	10.0	7.4	30.0
Naphthalene	Ave	1.056	1.362		12.9	10.0	29.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6460		12.3	10.0	22.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.6141		11.0	10.0	10.1	30.0
Dichlorodifluoromethane	Ave	3.843	4.499		11.7	10.0	17.1	30.0
Freon 22	Ave	1.484	1.695		11.4	10.0	14.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	4.028		11.3	10.0	12.8	30.0
Chloromethane	Ave	0.6564	0.7330		11.2	10.0	11.7	30.0
n-Butane	Ave	1.106	1.241		11.2	10.0	12.2	30.0
Vinyl chloride	Ave	0.8572	0.996		11.6	10.0	16.2	30.0
1,3-Butadiene	Ave	0.5445	0.6435		11.8	10.0	18.2	30.0
Bromomethane	Ave	0.9530	1.018		10.7	10.0	6.8	30.0
Chloroethane	Ave	0.4543	0.5498		12.1	10.0	21.0	30.0
Isopentane	Ave	0.8949	0.9837		11.0	10.0	9.9	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.494		11.4	10.0	13.9	30.0
Trichlorofluoromethane	Ave	4.110	4.888		11.9	10.0	18.9	30.0
n-Pentane	Ave	1.382	1.552		11.2	10.0	12.3	30.0
Ethanol	Ave	0.2834	0.3311		17.5	15.0	16.8	30.0
Ethyl ether	Ave	0.7213	0.8131		11.3	10.0	12.7	30.0
Acrolein	Ave	0.3355	0.3583		10.7	10.0	6.8	30.0
Freon TF	Ave	2.653	3.072		11.6	10.0	15.8	30.0
1,1-Dichloroethene	Ave	1.216	1.382		11.4	10.0	13.7	30.0
Acetone	Ave	1.394	2.068		14.8	10.0	48.3*	30.0
Carbon disulfide	Ave	3.166	3.614		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.058		10.7	10.0	6.9	30.0
3-Chloropropene	Ave	0.8611	0.996		11.6	10.0	15.7	30.0
Acetonitrile	Ave	0.4698	0.5141		10.9	10.0	9.4	30.0
Methylene Chloride	Ave	0.8253	0.9911		12.0	10.0	20.1	30.0
tert-Butyl alcohol	Ave	1.929	2.038		10.6	10.0	5.7	30.0
Methyl tert-butyl ether	Ave	3.333	3.974		11.9	10.0	19.2	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.772		11.4	10.0	14.4	30.0
Acrylonitrile	Ave	0.5524	0.6559		11.9	10.0	18.7	30.0
n-Hexane	Ave	1.468	1.641		11.2	10.0	11.8	30.0
1,1-Dichloroethane	Ave	1.865	2.102		11.3	10.0	12.7	30.0
Vinyl acetate	Ave	1.986	2.154		10.8	10.0	8.5	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.494		11.5	10.0	14.6	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6539		11.7	10.0	17.3	30.0
Ethyl acetate	Ave	0.1187	0.1315		11.1	10.0	10.8	30.0
Tetrahydrofuran	Ave	0.1689	0.1945		11.5	10.0	15.1	30.0
Chloroform	Ave	2.820	3.258		11.5	10.0	15.5	30.0
Cyclohexane	Ave	0.3406	0.3978		11.7	10.0	16.8	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8371		12.4	10.0	23.7	30.0
Carbon tetrachloride	Ave	0.7161	0.9196		12.8	10.0	28.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.084		11.9	10.0	18.7	30.0
Benzene	Ave	0.7411	0.8715		11.8	10.0	17.6	30.0
1,2-Dichloroethane	Ave	0.3676	0.4393		11.9	10.0	19.5	30.0
n-Heptane	Ave	0.2843	0.3432		12.1	10.0	20.7	30.0
n-Butanol	Ave	0.0932	0.0964		10.3	10.0	3.4	30.0
Trichloroethene	Ave	0.3803	0.4652		12.2	10.0	22.3	30.0
1,2-Dichloropropane	Ave	0.2205	0.2637		12.0	10.0	19.6	30.0
Methyl methacrylate	Ave	0.2470	0.2965		12.0	10.0	20.0	30.0
1,4-Dioxane	Ave	0.1219	0.1411		11.6	10.0	15.7	30.0
Dibromomethane	Ave	0.4271	0.5380		12.6	10.0	26.0	30.0
Bromodichloromethane	Ave	0.6064	0.7663		12.6	10.0	26.4	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4837		12.5	10.0	24.9	30.0
methyl isobutyl ketone	Ave	0.3478	0.4499		12.9	10.0	29.4	30.0
n-Octane	Ave	0.3628	0.4611		12.7	10.0	27.1	30.0
Toluene	Ave	0.6538	0.7458		11.4	10.0	14.1	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5536		13.0	10.0	30.1*	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3575		12.1	10.0	20.6	30.0
Tetrachloroethene	Ave	0.7581	0.9127		12.0	10.0	20.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.4413		12.4	10.0	23.5	30.0
Dibromochloromethane	Ave	0.7797	1.005		12.9	10.0	28.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.7571		12.2	10.0	21.7	30.0
Chlorobenzene	Ave	1.001	1.158		11.6	10.0	15.7	30.0
Ethylbenzene	Ave	1.495	1.782		11.9	10.0	19.3	30.0
n-Nonane	Ave	0.4915	0.6009		12.2	10.0	22.2	30.0
m,p-Xylene	Ave	0.5882	0.7021		23.9	20.0	19.4	30.0
Xylene, o-	Ave	0.5805	0.7106		12.2	10.0	22.4	30.0
Styrene	Ave	0.8448	1.043		12.3	10.0	23.5	30.0
Bromoform	Ave	0.7636	1.050		13.7	10.0	37.4*	30.0
Cumene	Ave	1.801	2.240		12.4	10.0	24.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.9781		12.6	10.0	25.6	30.0
n-Propylbenzene	Ave	1.991	2.571		12.9	10.0	29.1	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.7702		12.4	10.0	24.2	30.0
n-Decane	Ave	0.6662	0.8387		12.6	10.0	25.9	30.0
4-Ethyltoluene	Ave	1.862	2.401		12.9	10.0	28.9	30.0
2-Chlorotoluene	Ave	1.566	1.985		12.7	10.0	26.8	30.0
1,3,5-Trimethylbenzene	Ave	1.707	2.148		12.6	10.0	25.9	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9423		12.7	10.0	26.8	30.0
tert-Butylbenzene	Ave	1.704	2.127		12.5	10.0	24.8	30.0
1,2,4-Trimethylbenzene	Ave	1.645	2.120		12.9	10.0	28.8	30.0
sec-Butylbenzene	Ave	2.299	2.914		12.7	10.0	26.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.628		12.9	10.0	29.3	30.0
1,3-Dichlorobenzene	Ave	1.109	1.461		13.2	10.0	31.7*	30.0
1,4-Dichlorobenzene	Ave	1.062	1.420		13.4	10.0	33.8*	30.0
Benzyl chloride	Ave	0.9058	1.363		15.0	10.0	50.5*	30.0
n-Undecane	Ave	0.6729	0.8599		12.8	10.0	27.8	30.0
n-Butylbenzene	Ave	1.440	1.905		13.2	10.0	32.2*	30.0
1,2-Dichlorobenzene	Ave	1.085	1.436		13.2	10.0	32.3*	30.0
n-Dodecane	Ave	0.4982	0.5920		11.9	10.0	18.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6763		11.9	10.0	19.3	30.0
Hexachlorobutadiene	Ave	0.8601	1.162		13.5	10.0	35.1*	30.0
Naphthalene	Ave	1.056	1.259		11.9	10.0	19.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6739		12.8	10.0	28.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.5994		10.7	10.0	7.4	30.0
Dichlorodifluoromethane	Ave	3.843	4.262		11.1	10.0	10.9	30.0
Freon 22	Ave	1.484	1.643		11.1	10.0	10.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	3.941		11.0	10.0	10.3	30.0
Chloromethane	Ave	0.6564	0.7291		11.1	10.0	11.1	30.0
n-Butane	Ave	1.106	1.173		10.6	10.0	6.1	30.0
Vinyl chloride	Ave	0.8572	0.9515		11.1	10.0	11.0	30.0
1,3-Butadiene	Ave	0.5445	0.6454		11.9	10.0	18.5	30.0
Bromomethane	Ave	0.9530	1.010		10.6	10.0	6.0	30.0
Chloroethane	Ave	0.4543	0.5477		12.1	10.0	20.6	30.0
Isopentane	Ave	0.8949	0.9897		11.1	10.0	10.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.493		11.4	10.0	13.8	30.0
Trichlorofluoromethane	Ave	4.110	4.555		11.1	10.0	10.8	30.0
n-Pentane	Ave	1.382	1.515		11.0	10.0	9.6	30.0
Ethanol	Ave	0.2834	0.3220		17.0	15.0	13.6	30.0
Ethyl ether	Ave	0.7213	0.7945		11.0	10.0	10.1	30.0
Acrolein	Ave	0.3355	0.3233		9.64	10.0	-3.6	30.0
Freon TF	Ave	2.653	3.208		12.1	10.0	20.9	30.0
1,1-Dichloroethene	Ave	1.216	1.513		12.4	10.0	24.5	30.0
Acetone	Ave	1.394	1.525		10.9	10.0	9.4	30.0
Carbon disulfide	Ave	3.166	3.611		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.089		11.0	10.0	10.2	30.0
3-Chloropropene	Ave	0.8611	1.023		11.9	10.0	18.9	30.0
Acetonitrile	Ave	0.4698	0.5076		10.8	10.0	8.1	30.0
Methylene Chloride	Ave	0.8253	1.044		12.6	10.0	26.5	30.0
tert-Butyl alcohol	Ave	1.929	2.078		10.8	10.0	7.7	30.0
Methyl tert-butyl ether	Ave	3.333	4.187		12.6	10.0	25.6	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.758		11.3	10.0	13.5	30.0
Acrylonitrile	Ave	0.5524	0.6698		12.1	10.0	21.3	30.0
n-Hexane	Ave	1.468	1.696		11.6	10.0	15.5	30.0
1,1-Dichloroethane	Ave	1.865	2.130		11.4	10.0	14.2	30.0
Vinyl acetate	Ave	1.986	2.177		11.0	10.0	9.6	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.527		11.7	10.0	17.2	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6144		11.0	10.0	10.2	30.0
Ethyl acetate	Ave	0.1187	0.1295		10.9	10.0	9.1	30.0
Tetrahydrofuran	Ave	0.1689	0.1907		11.3	10.0	12.9	30.0
Chloroform	Ave	2.820	3.124		11.1	10.0	10.8	30.0
Cyclohexane	Ave	0.3406	0.4008		11.8	10.0	17.6	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8095		12.0	10.0	19.6	30.0
Carbon tetrachloride	Ave	0.7161	0.8253		11.5	10.0	15.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.095		12.0	10.0	20.0	30.0
Benzene	Ave	0.7411	0.8408		11.3	10.0	13.4	30.0
1,2-Dichloroethane	Ave	0.3676	0.4232		11.5	10.0	15.1	30.0
n-Heptane	Ave	0.2843	0.3335		11.7	10.0	17.3	30.0
n-Butanol	Ave	0.0932	0.0939		10.1	10.0	0.7	30.0
Trichloroethene	Ave	0.3803	0.4322		11.4	10.0	13.6	30.0
1,2-Dichloropropane	Ave	0.2205	0.2488		11.3	10.0	12.8	30.0
Methyl methacrylate	Ave	0.2470	0.2844		11.5	10.0	15.2	30.0
1,4-Dioxane	Ave	0.1219	0.1249		10.2	10.0	2.5	30.0
Dibromomethane	Ave	0.4271	0.4797		11.2	10.0	12.3	30.0
Bromodichloromethane	Ave	0.6064	0.7269		12.0	10.0	19.9	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4579		11.8	10.0	18.2	30.0
methyl isobutyl ketone	Ave	0.3478	0.4278		12.3	10.0	23.0	30.0
n-Octane	Ave	0.3628	0.4369		12.0	10.0	20.4	30.0
Toluene	Ave	0.6538	0.6977		10.7	10.0	6.7	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5042		11.8	10.0	18.5	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3084		10.4	10.0	4.0	30.0
Tetrachloroethene	Ave	0.7581	0.7970		10.5	10.0	5.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.3924		11.0	10.0	9.9	30.0
Dibromochloromethane	Ave	0.7797	0.9039		11.6	10.0	15.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.6723		10.8	10.0	8.1	30.0
Chlorobenzene	Ave	1.001	1.033		10.3	10.0	3.2	30.0
Ethylbenzene	Ave	1.495	1.632		10.9	10.0	9.2	30.0
n-Nonane	Ave	0.4915	0.5572		11.3	10.0	13.4	30.0
m,p-Xylene	Ave	0.5882	0.6332		21.5	20.0	7.7	30.0
Xylene, o-	Ave	0.5805	0.6344		10.9	10.0	9.3	30.0
Styrene	Ave	0.8448	0.9694		11.5	10.0	14.8	30.0
Bromoform	Ave	0.7636	0.8991		11.8	10.0	17.7	30.0
Cumene	Ave	1.801	2.022		11.2	10.0	12.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.8065		10.4	10.0	3.6	30.0
n-Propylbenzene	Ave	1.991	2.263		11.4	10.0	13.7	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.6618		10.7	10.0	6.7	30.0
n-Decane	Ave	0.6662	0.7412		11.1	10.0	11.3	30.0
4-Ethyltoluene	Ave	1.862	2.134		11.5	10.0	14.6	30.0
2-Chlorotoluene	Ave	1.566	1.727		11.0	10.0	10.3	30.0
1,3,5-Trimethylbenzene	Ave	1.707	1.838		10.8	10.0	7.7	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9000		12.1	10.0	21.1	30.0
tert-Butylbenzene	Ave	1.704	1.855		10.9	10.0	8.9	30.0
1,2,4-Trimethylbenzene	Ave	1.645	1.781		10.8	10.0	8.2	30.0
sec-Butylbenzene	Ave	2.299	2.536		11.0	10.0	10.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.294		11.3	10.0	12.8	30.0
1,3-Dichlorobenzene	Ave	1.109	1.186		10.7	10.0	6.9	30.0
1,4-Dichlorobenzene	Ave	1.062	1.148		10.8	10.0	8.1	30.0
Benzyl chloride	Ave	0.9058	1.055		11.6	10.0	16.4	30.0
n-Undecane	Ave	0.6729	0.7738		11.5	10.0	15.0	30.0
n-Butylbenzene	Ave	1.440	1.646		11.4	10.0	14.3	30.0
1,2-Dichlorobenzene	Ave	1.085	1.129		10.4	10.0	4.1	30.0
n-Dodecane	Ave	0.4982	0.5718		11.5	10.0	14.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6117		10.8	10.0	7.9	30.0
Hexachlorobutadiene	Ave	0.8601	0.9242		10.7	10.0	7.4	30.0
Naphthalene	Ave	1.056	1.362		12.9	10.0	29.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6460		12.3	10.0	22.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.6141		11.0	10.0	10.1	30.0
Dichlorodifluoromethane	Ave	3.843	4.499		11.7	10.0	17.1	30.0
Freon 22	Ave	1.484	1.695		11.4	10.0	14.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	4.028		11.3	10.0	12.8	30.0
Chloromethane	Ave	0.6564	0.7330		11.2	10.0	11.7	30.0
n-Butane	Ave	1.106	1.241		11.2	10.0	12.2	30.0
Vinyl chloride	Ave	0.8572	0.996		11.6	10.0	16.2	30.0
1,3-Butadiene	Ave	0.5445	0.6435		11.8	10.0	18.2	30.0
Bromomethane	Ave	0.9530	1.018		10.7	10.0	6.8	30.0
Chloroethane	Ave	0.4543	0.5498		12.1	10.0	21.0	30.0
Isopentane	Ave	0.8949	0.9837		11.0	10.0	9.9	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.494		11.4	10.0	13.9	30.0
Trichlorofluoromethane	Ave	4.110	4.888		11.9	10.0	18.9	30.0
n-Pentane	Ave	1.382	1.552		11.2	10.0	12.3	30.0
Ethanol	Ave	0.2834	0.3311		17.5	15.0	16.8	30.0
Ethyl ether	Ave	0.7213	0.8131		11.3	10.0	12.7	30.0
Acrolein	Ave	0.3355	0.3583		10.7	10.0	6.8	30.0
Freon TF	Ave	2.653	3.072		11.6	10.0	15.8	30.0
1,1-Dichloroethene	Ave	1.216	1.382		11.4	10.0	13.7	30.0
Acetone	Ave	1.394	2.068		14.8	10.0	48.3*	30.0
Carbon disulfide	Ave	3.166	3.614		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.058		10.7	10.0	6.9	30.0
3-Chloropropene	Ave	0.8611	0.996		11.6	10.0	15.7	30.0
Acetonitrile	Ave	0.4698	0.5141		10.9	10.0	9.4	30.0
Methylene Chloride	Ave	0.8253	0.9911		12.0	10.0	20.1	30.0
tert-Butyl alcohol	Ave	1.929	2.038		10.6	10.0	5.7	30.0
Methyl tert-butyl ether	Ave	3.333	3.974		11.9	10.0	19.2	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.772		11.4	10.0	14.4	30.0
Acrylonitrile	Ave	0.5524	0.6559		11.9	10.0	18.7	30.0
n-Hexane	Ave	1.468	1.641		11.2	10.0	11.8	30.0
1,1-Dichloroethane	Ave	1.865	2.102		11.3	10.0	12.7	30.0
Vinyl acetate	Ave	1.986	2.154		10.8	10.0	8.5	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.494		11.5	10.0	14.6	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6539		11.7	10.0	17.3	30.0
Ethyl acetate	Ave	0.1187	0.1315		11.1	10.0	10.8	30.0
Tetrahydrofuran	Ave	0.1689	0.1945		11.5	10.0	15.1	30.0
Chloroform	Ave	2.820	3.258		11.5	10.0	15.5	30.0
Cyclohexane	Ave	0.3406	0.3978		11.7	10.0	16.8	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8371		12.4	10.0	23.7	30.0
Carbon tetrachloride	Ave	0.7161	0.9196		12.8	10.0	28.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.084		11.9	10.0	18.7	30.0
Benzene	Ave	0.7411	0.8715		11.8	10.0	17.6	30.0
1,2-Dichloroethane	Ave	0.3676	0.4393		11.9	10.0	19.5	30.0
n-Heptane	Ave	0.2843	0.3432		12.1	10.0	20.7	30.0
n-Butanol	Ave	0.0932	0.0964		10.3	10.0	3.4	30.0
Trichloroethene	Ave	0.3803	0.4652		12.2	10.0	22.3	30.0
1,2-Dichloropropane	Ave	0.2205	0.2637		12.0	10.0	19.6	30.0
Methyl methacrylate	Ave	0.2470	0.2965		12.0	10.0	20.0	30.0
1,4-Dioxane	Ave	0.1219	0.1411		11.6	10.0	15.7	30.0
Dibromomethane	Ave	0.4271	0.5380		12.6	10.0	26.0	30.0
Bromodichloromethane	Ave	0.6064	0.7663		12.6	10.0	26.4	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4837		12.5	10.0	24.9	30.0
methyl isobutyl ketone	Ave	0.3478	0.4499		12.9	10.0	29.4	30.0
n-Octane	Ave	0.3628	0.4611		12.7	10.0	27.1	30.0
Toluene	Ave	0.6538	0.7458		11.4	10.0	14.1	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5536		13.0	10.0	30.1*	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3575		12.1	10.0	20.6	30.0
Tetrachloroethene	Ave	0.7581	0.9127		12.0	10.0	20.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.4413		12.4	10.0	23.5	30.0
Dibromochloromethane	Ave	0.7797	1.005		12.9	10.0	28.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.7571		12.2	10.0	21.7	30.0
Chlorobenzene	Ave	1.001	1.158		11.6	10.0	15.7	30.0
Ethylbenzene	Ave	1.495	1.782		11.9	10.0	19.3	30.0
n-Nonane	Ave	0.4915	0.6009		12.2	10.0	22.2	30.0
m,p-Xylene	Ave	0.5882	0.7021		23.9	20.0	19.4	30.0
Xylene, o-	Ave	0.5805	0.7106		12.2	10.0	22.4	30.0
Styrene	Ave	0.8448	1.043		12.3	10.0	23.5	30.0
Bromoform	Ave	0.7636	1.050		13.7	10.0	37.4*	30.0
Cumene	Ave	1.801	2.240		12.4	10.0	24.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.9781		12.6	10.0	25.6	30.0
n-Propylbenzene	Ave	1.991	2.571		12.9	10.0	29.1	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.7702		12.4	10.0	24.2	30.0
n-Decane	Ave	0.6662	0.8387		12.6	10.0	25.9	30.0
4-Ethyltoluene	Ave	1.862	2.401		12.9	10.0	28.9	30.0
2-Chlorotoluene	Ave	1.566	1.985		12.7	10.0	26.8	30.0
1,3,5-Trimethylbenzene	Ave	1.707	2.148		12.6	10.0	25.9	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9423		12.7	10.0	26.8	30.0
tert-Butylbenzene	Ave	1.704	2.127		12.5	10.0	24.8	30.0
1,2,4-Trimethylbenzene	Ave	1.645	2.120		12.9	10.0	28.8	30.0
sec-Butylbenzene	Ave	2.299	2.914		12.7	10.0	26.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.628		12.9	10.0	29.3	30.0
1,3-Dichlorobenzene	Ave	1.109	1.461		13.2	10.0	31.7*	30.0
1,4-Dichlorobenzene	Ave	1.062	1.420		13.4	10.0	33.8*	30.0
Benzyl chloride	Ave	0.9058	1.363		15.0	10.0	50.5*	30.0
n-Undecane	Ave	0.6729	0.8599		12.8	10.0	27.8	30.0
n-Butylbenzene	Ave	1.440	1.905		13.2	10.0	32.2*	30.0
1,2-Dichlorobenzene	Ave	1.085	1.436		13.2	10.0	32.3*	30.0
n-Dodecane	Ave	0.4982	0.5920		11.9	10.0	18.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6763		11.9	10.0	19.3	30.0
Hexachlorobutadiene	Ave	0.8601	1.162		13.5	10.0	35.1*	30.0
Naphthalene	Ave	1.056	1.259		11.9	10.0	19.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6739		12.8	10.0	28.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.5994		10.7	10.0	7.4	30.0
Dichlorodifluoromethane	Ave	3.843	4.262		11.1	10.0	10.9	30.0
Freon 22	Ave	1.484	1.643		11.1	10.0	10.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	3.941		11.0	10.0	10.3	30.0
Chloromethane	Ave	0.6564	0.7291		11.1	10.0	11.1	30.0
n-Butane	Ave	1.106	1.173		10.6	10.0	6.1	30.0
Vinyl chloride	Ave	0.8572	0.9515		11.1	10.0	11.0	30.0
1,3-Butadiene	Ave	0.5445	0.6454		11.9	10.0	18.5	30.0
Bromomethane	Ave	0.9530	1.010		10.6	10.0	6.0	30.0
Chloroethane	Ave	0.4543	0.5477		12.1	10.0	20.6	30.0
Isopentane	Ave	0.8949	0.9897		11.1	10.0	10.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.493		11.4	10.0	13.8	30.0
Trichlorofluoromethane	Ave	4.110	4.555		11.1	10.0	10.8	30.0
n-Pentane	Ave	1.382	1.515		11.0	10.0	9.6	30.0
Ethanol	Ave	0.2834	0.3220		17.0	15.0	13.6	30.0
Ethyl ether	Ave	0.7213	0.7945		11.0	10.0	10.1	30.0
Acrolein	Ave	0.3355	0.3233		9.64	10.0	-3.6	30.0
Freon TF	Ave	2.653	3.208		12.1	10.0	20.9	30.0
1,1-Dichloroethene	Ave	1.216	1.513		12.4	10.0	24.5	30.0
Acetone	Ave	1.394	1.525		10.9	10.0	9.4	30.0
Carbon disulfide	Ave	3.166	3.611		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.089		11.0	10.0	10.2	30.0
3-Chloropropene	Ave	0.8611	1.023		11.9	10.0	18.9	30.0
Acetonitrile	Ave	0.4698	0.5076		10.8	10.0	8.1	30.0
Methylene Chloride	Ave	0.8253	1.044		12.6	10.0	26.5	30.0
tert-Butyl alcohol	Ave	1.929	2.078		10.8	10.0	7.7	30.0
Methyl tert-butyl ether	Ave	3.333	4.187		12.6	10.0	25.6	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.758		11.3	10.0	13.5	30.0
Acrylonitrile	Ave	0.5524	0.6698		12.1	10.0	21.3	30.0
n-Hexane	Ave	1.468	1.696		11.6	10.0	15.5	30.0
1,1-Dichloroethane	Ave	1.865	2.130		11.4	10.0	14.2	30.0
Vinyl acetate	Ave	1.986	2.177		11.0	10.0	9.6	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.527		11.7	10.0	17.2	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6144		11.0	10.0	10.2	30.0
Ethyl acetate	Ave	0.1187	0.1295		10.9	10.0	9.1	30.0
Tetrahydrofuran	Ave	0.1689	0.1907		11.3	10.0	12.9	30.0
Chloroform	Ave	2.820	3.124		11.1	10.0	10.8	30.0
Cyclohexane	Ave	0.3406	0.4008		11.8	10.0	17.6	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8095		12.0	10.0	19.6	30.0
Carbon tetrachloride	Ave	0.7161	0.8253		11.5	10.0	15.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.095		12.0	10.0	20.0	30.0
Benzene	Ave	0.7411	0.8408		11.3	10.0	13.4	30.0
1,2-Dichloroethane	Ave	0.3676	0.4232		11.5	10.0	15.1	30.0
n-Heptane	Ave	0.2843	0.3335		11.7	10.0	17.3	30.0
n-Butanol	Ave	0.0932	0.0939		10.1	10.0	0.7	30.0
Trichloroethene	Ave	0.3803	0.4322		11.4	10.0	13.6	30.0
1,2-Dichloropropane	Ave	0.2205	0.2488		11.3	10.0	12.8	30.0
Methyl methacrylate	Ave	0.2470	0.2844		11.5	10.0	15.2	30.0
1,4-Dioxane	Ave	0.1219	0.1249		10.2	10.0	2.5	30.0
Dibromomethane	Ave	0.4271	0.4797		11.2	10.0	12.3	30.0
Bromodichloromethane	Ave	0.6064	0.7269		12.0	10.0	19.9	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4579		11.8	10.0	18.2	30.0
methyl isobutyl ketone	Ave	0.3478	0.4278		12.3	10.0	23.0	30.0
n-Octane	Ave	0.3628	0.4369		12.0	10.0	20.4	30.0
Toluene	Ave	0.6538	0.6977		10.7	10.0	6.7	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5042		11.8	10.0	18.5	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3084		10.4	10.0	4.0	30.0
Tetrachloroethene	Ave	0.7581	0.7970		10.5	10.0	5.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.3924		11.0	10.0	9.9	30.0
Dibromochloromethane	Ave	0.7797	0.9039		11.6	10.0	15.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.6723		10.8	10.0	8.1	30.0
Chlorobenzene	Ave	1.001	1.033		10.3	10.0	3.2	30.0
Ethylbenzene	Ave	1.495	1.632		10.9	10.0	9.2	30.0
n-Nonane	Ave	0.4915	0.5572		11.3	10.0	13.4	30.0
m,p-Xylene	Ave	0.5882	0.6332		21.5	20.0	7.7	30.0
Xylene, o-	Ave	0.5805	0.6344		10.9	10.0	9.3	30.0
Styrene	Ave	0.8448	0.9694		11.5	10.0	14.8	30.0
Bromoform	Ave	0.7636	0.8991		11.8	10.0	17.7	30.0
Cumene	Ave	1.801	2.022		11.2	10.0	12.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.8065		10.4	10.0	3.6	30.0
n-Propylbenzene	Ave	1.991	2.263		11.4	10.0	13.7	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.6618		10.7	10.0	6.7	30.0
n-Decane	Ave	0.6662	0.7412		11.1	10.0	11.3	30.0
4-Ethyltoluene	Ave	1.862	2.134		11.5	10.0	14.6	30.0
2-Chlorotoluene	Ave	1.566	1.727		11.0	10.0	10.3	30.0
1,3,5-Trimethylbenzene	Ave	1.707	1.838		10.8	10.0	7.7	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9000		12.1	10.0	21.1	30.0
tert-Butylbenzene	Ave	1.704	1.855		10.9	10.0	8.9	30.0
1,2,4-Trimethylbenzene	Ave	1.645	1.781		10.8	10.0	8.2	30.0
sec-Butylbenzene	Ave	2.299	2.536		11.0	10.0	10.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab Sample ID: ICV 200-65929/14 Calibration Date: 12/13/2013 02:26

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: wak014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.294		11.3	10.0	12.8	30.0
1,3-Dichlorobenzene	Ave	1.109	1.186		10.7	10.0	6.9	30.0
1,4-Dichlorobenzene	Ave	1.062	1.148		10.8	10.0	8.1	30.0
Benzyl chloride	Ave	0.9058	1.055		11.6	10.0	16.4	30.0
n-Undecane	Ave	0.6729	0.7738		11.5	10.0	15.0	30.0
n-Butylbenzene	Ave	1.440	1.646		11.4	10.0	14.3	30.0
1,2-Dichlorobenzene	Ave	1.085	1.129		10.4	10.0	4.1	30.0
n-Dodecane	Ave	0.4982	0.5718		11.5	10.0	14.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6117		10.8	10.0	7.9	30.0
Hexachlorobutadiene	Ave	0.8601	0.9242		10.7	10.0	7.4	30.0
Naphthalene	Ave	1.056	1.362		12.9	10.0	29.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6460		12.3	10.0	22.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5579	0.6141		11.0	10.0	10.1	30.0
Dichlorodifluoromethane	Ave	3.843	4.499		11.7	10.0	17.1	30.0
Freon 22	Ave	1.484	1.695		11.4	10.0	14.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.572	4.028		11.3	10.0	12.8	30.0
Chloromethane	Ave	0.6564	0.7330		11.2	10.0	11.7	30.0
n-Butane	Ave	1.106	1.241		11.2	10.0	12.2	30.0
Vinyl chloride	Ave	0.8572	0.996		11.6	10.0	16.2	30.0
1,3-Butadiene	Ave	0.5445	0.6435		11.8	10.0	18.2	30.0
Bromomethane	Ave	0.9530	1.018		10.7	10.0	6.8	30.0
Chloroethane	Ave	0.4543	0.5498		12.1	10.0	21.0	30.0
Isopentane	Ave	0.8949	0.9837		11.0	10.0	9.9	30.0
Bromoethene(Vinyl Bromide)	Ave	1.312	1.494		11.4	10.0	13.9	30.0
Trichlorofluoromethane	Ave	4.110	4.888		11.9	10.0	18.9	30.0
n-Pentane	Ave	1.382	1.552		11.2	10.0	12.3	30.0
Ethanol	Ave	0.2834	0.3311		17.5	15.0	16.8	30.0
Ethyl ether	Ave	0.7213	0.8131		11.3	10.0	12.7	30.0
Acrolein	Ave	0.3355	0.3583		10.7	10.0	6.8	30.0
Freon TF	Ave	2.653	3.072		11.6	10.0	15.8	30.0
1,1-Dichloroethene	Ave	1.216	1.382		11.4	10.0	13.7	30.0
Acetone	Ave	1.394	2.068		14.8	10.0	48.3*	30.0
Carbon disulfide	Ave	3.166	3.614		11.4	10.0	14.1	30.0
Isopropyl alcohol	Ave	0.9889	1.058		10.7	10.0	6.9	30.0
3-Chloropropene	Ave	0.8611	0.996		11.6	10.0	15.7	30.0
Acetonitrile	Ave	0.4698	0.5141		10.9	10.0	9.4	30.0
Methylene Chloride	Ave	0.8253	0.9911		12.0	10.0	20.1	30.0
tert-Butyl alcohol	Ave	1.929	2.038		10.6	10.0	5.7	30.0
Methyl tert-butyl ether	Ave	3.333	3.974		11.9	10.0	19.2	30.0
trans-1,2-Dichloroethene	Ave	1.549	1.772		11.4	10.0	14.4	30.0
Acrylonitrile	Ave	0.5524	0.6559		11.9	10.0	18.7	30.0
n-Hexane	Ave	1.468	1.641		11.2	10.0	11.8	30.0
1,1-Dichloroethane	Ave	1.865	2.102		11.3	10.0	12.7	30.0
Vinyl acetate	Ave	1.986	2.154		10.8	10.0	8.5	30.0
cis-1,2-Dichloroethene	Ave	1.303	1.494		11.5	10.0	14.6	30.0
Methyl Ethyl Ketone	Ave	0.5576	0.6539		11.7	10.0	17.3	30.0
Ethyl acetate	Ave	0.1187	0.1315		11.1	10.0	10.8	30.0
Tetrahydrofuran	Ave	0.1689	0.1945		11.5	10.0	15.1	30.0
Chloroform	Ave	2.820	3.258		11.5	10.0	15.5	30.0
Cyclohexane	Ave	0.3406	0.3978		11.7	10.0	16.8	30.0
1,1,1-Trichloroethane	Ave	0.6766	0.8371		12.4	10.0	23.7	30.0
Carbon tetrachloride	Ave	0.7161	0.9196		12.8	10.0	28.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9132	1.084		11.9	10.0	18.7	30.0
Benzene	Ave	0.7411	0.8715		11.8	10.0	17.6	30.0
1,2-Dichloroethane	Ave	0.3676	0.4393		11.9	10.0	19.5	30.0
n-Heptane	Ave	0.2843	0.3432		12.1	10.0	20.7	30.0
n-Butanol	Ave	0.0932	0.0964		10.3	10.0	3.4	30.0
Trichloroethene	Ave	0.3803	0.4652		12.2	10.0	22.3	30.0
1,2-Dichloropropane	Ave	0.2205	0.2637		12.0	10.0	19.6	30.0
Methyl methacrylate	Ave	0.2470	0.2965		12.0	10.0	20.0	30.0
1,4-Dioxane	Ave	0.1219	0.1411		11.6	10.0	15.7	30.0
Dibromomethane	Ave	0.4271	0.5380		12.6	10.0	26.0	30.0
Bromodichloromethane	Ave	0.6064	0.7663		12.6	10.0	26.4	30.0
cis-1,3-Dichloropropene	Ave	0.3873	0.4837		12.5	10.0	24.9	30.0
methyl isobutyl ketone	Ave	0.3478	0.4499		12.9	10.0	29.4	30.0
n-Octane	Ave	0.3628	0.4611		12.7	10.0	27.1	30.0
Toluene	Ave	0.6538	0.7458		11.4	10.0	14.1	30.0
trans-1,3-Dichloropropene	Ave	0.4254	0.5536		13.0	10.0	30.1*	30.0
1,1,2-Trichloroethane	Ave	0.2964	0.3575		12.1	10.0	20.6	30.0
Tetrachloroethene	Ave	0.7581	0.9127		12.0	10.0	20.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3572	0.4413		12.4	10.0	23.5	30.0
Dibromochloromethane	Ave	0.7797	1.005		12.9	10.0	28.9	30.0
1,2-Dibromoethane	Ave	0.6221	0.7571		12.2	10.0	21.7	30.0
Chlorobenzene	Ave	1.001	1.158		11.6	10.0	15.7	30.0
Ethylbenzene	Ave	1.495	1.782		11.9	10.0	19.3	30.0
n-Nonane	Ave	0.4915	0.6009		12.2	10.0	22.2	30.0
m,p-Xylene	Ave	0.5882	0.7021		23.9	20.0	19.4	30.0
Xylene, o-	Ave	0.5805	0.7106		12.2	10.0	22.4	30.0
Styrene	Ave	0.8448	1.043		12.3	10.0	23.5	30.0
Bromoform	Ave	0.7636	1.050		13.7	10.0	37.4*	30.0
Cumene	Ave	1.801	2.240		12.4	10.0	24.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7785	0.9781		12.6	10.0	25.6	30.0
n-Propylbenzene	Ave	1.991	2.571		12.9	10.0	29.1	30.0
1,2,3-Trichloropropane	Ave	0.6200	0.7702		12.4	10.0	24.2	30.0
n-Decane	Ave	0.6662	0.8387		12.6	10.0	25.9	30.0
4-Ethyltoluene	Ave	1.862	2.401		12.9	10.0	28.9	30.0
2-Chlorotoluene	Ave	1.566	1.985		12.7	10.0	26.8	30.0
1,3,5-Trimethylbenzene	Ave	1.707	2.148		12.6	10.0	25.9	30.0
Alpha Methyl Styrene	Ave	0.7433	0.9423		12.7	10.0	26.8	30.0
tert-Butylbenzene	Ave	1.704	2.127		12.5	10.0	24.8	30.0
1,2,4-Trimethylbenzene	Ave	1.645	2.120		12.9	10.0	28.8	30.0
sec-Butylbenzene	Ave	2.299	2.914		12.7	10.0	26.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Lab Sample ID: CCVIS 200-67984/2 Calibration Date: 02/05/2014 11:56

Instrument ID: CHW.i Calib Start Date: 12/12/2013 18:12

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/12/2013 23:57

Lab File ID: 5988_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.033	2.628		12.9	10.0	29.3	30.0
1,3-Dichlorobenzene	Ave	1.109	1.461		13.2	10.0	31.7*	30.0
1,4-Dichlorobenzene	Ave	1.062	1.420		13.4	10.0	33.8*	30.0
Benzyl chloride	Ave	0.9058	1.363		15.0	10.0	50.5*	30.0
n-Undecane	Ave	0.6729	0.8599		12.8	10.0	27.8	30.0
n-Butylbenzene	Ave	1.440	1.905		13.2	10.0	32.2*	30.0
1,2-Dichlorobenzene	Ave	1.085	1.436		13.2	10.0	32.3*	30.0
n-Dodecane	Ave	0.4982	0.5920		11.9	10.0	18.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5669	0.6763		11.9	10.0	19.3	30.0
Hexachlorobutadiene	Ave	0.8601	1.162		13.5	10.0	35.1*	30.0
Naphthalene	Ave	1.056	1.259		11.9	10.0	19.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5260	0.6739		12.8	10.0	28.1	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Instrument ID: CHW.i Start Date: 12/12/2013 15:40

Analysis Batch Number: 65929 End Date: 12/13/2013 04:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-65929/1		12/12/2013 15:40	1	wak001.d	RTX-624 0.32(mm)
VIBLK 200-65929/2		12/12/2013 16:35	1		RTX-624 0.32(mm)
VIBLK 200-65929/3		12/12/2013 17:24	1		RTX-624 0.32(mm)
IC 200-65929/4		12/12/2013 18:12	1	wak004.d	RTX-624 0.32(mm)
IC 200-65929/5		12/12/2013 19:03	1	wak005.d	RTX-624 0.32(mm)
IC 200-65929/6		12/12/2013 19:52	1	wak006.d	RTX-624 0.32(mm)
IC 200-65929/7		12/12/2013 20:40	1	wak007.d	RTX-624 0.32(mm)
ICIS 200-65929/8		12/12/2013 21:29	1	wak008.d	RTX-624 0.32(mm)
IC 200-65929/9		12/12/2013 22:18	1	wak009.d	RTX-624 0.32(mm)
IC 200-65929/10		12/12/2013 23:07	1	wak010.d	RTX-624 0.32(mm)
IC 200-65929/11		12/12/2013 23:57	1	wak011.d	RTX-624 0.32(mm)
VIBLK 200-65929/12		12/13/2013 00:46	1		RTX-624 0.32(mm)
VIBLK 200-65929/13		12/13/2013 01:36	1		RTX-624 0.32(mm)
ICV 200-65929/14		12/13/2013 02:26	1	wak014.d	RTX-624 0.32(mm)
ZZZZZ		12/13/2013 03:16	1		RTX-624 0.32(mm)
VIBLK 200-65929/16		12/13/2013 04:06	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20735-1

SDG No.:

Instrument ID: CHW.i Start Date: 02/05/2014 11:05

Analysis Batch Number: 67984 End Date: 02/06/2014 10:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-67984/1		02/05/2014 11:05	1	5988_001.d	RTX-624 0.32(mm)
CCVIS 200-67984/2		02/05/2014 11:56	1	5988_002.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 12:52	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 13:56	1		RTX-624 0.32(mm)
LCS 200-67984/25		02/05/2014 14:47	1	5988_025.d	RTX-624 0.32(mm)
MB 200-67984/26		02/05/2014 15:38	1	5988_026.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 16:44	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 17:53	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 19:00	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 20:06	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 20:54	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 21:43	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 22:31	2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 23:37	0.2		RTX-624 0.32(mm)
200-20735-6	5634	02/06/2014 08:58	0.2	5988_013.d	RTX-624 0.32(mm)
ZZZZZ		02/06/2014 10:05	0.2		RTX-624 0.32(mm)

TO-15

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Instrument ID: CHW.i Start Date: 12/12/2013 15:40

Analysis Batch Number: 65929 End Date: 12/13/2013 04:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-65929/1		12/12/2013 15:40	1	wak001.d	RTX-624 0.32(mm)
VIBLK 200-65929/2		12/12/2013 16:35	1		RTX-624 0.32(mm)
VIBLK 200-65929/3		12/12/2013 17:24	1		RTX-624 0.32(mm)
IC 200-65929/4		12/12/2013 18:12	1	wak004.d	RTX-624 0.32(mm)
IC 200-65929/5		12/12/2013 19:03	1	wak005.d	RTX-624 0.32(mm)
IC 200-65929/6		12/12/2013 19:52	1	wak006.d	RTX-624 0.32(mm)
IC 200-65929/7		12/12/2013 20:40	1	wak007.d	RTX-624 0.32(mm)
ICIS 200-65929/8		12/12/2013 21:29	1	wak008.d	RTX-624 0.32(mm)
IC 200-65929/9		12/12/2013 22:18	1	wak009.d	RTX-624 0.32(mm)
IC 200-65929/10		12/12/2013 23:07	1	wak010.d	RTX-624 0.32(mm)
IC 200-65929/11		12/12/2013 23:57	1	wak011.d	RTX-624 0.32(mm)
VIBLK 200-65929/12		12/13/2013 00:46	1		RTX-624 0.32(mm)
VIBLK 200-65929/13		12/13/2013 01:36	1		RTX-624 0.32(mm)
ICV 200-65929/14		12/13/2013 02:26	1	wak014.d	RTX-624 0.32(mm)
ZZZZZ		12/13/2013 03:16	1		RTX-624 0.32(mm)
VIBLK 200-65929/16		12/13/2013 04:06	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20762-1

SDG No.:

Instrument ID: CHW.i Start Date: 02/05/2014 11:05

Analysis Batch Number: 67984 End Date: 02/06/2014 10:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-67984/1		02/05/2014 11:05	1	5988_001.d	RTX-624 0.32(mm)
CCVIS 200-67984/2		02/05/2014 11:56	1	5988_002.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 12:52	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 13:56	1		RTX-624 0.32(mm)
LCS 200-67984/25		02/05/2014 14:47	1	5988_025.d	RTX-624 0.32(mm)
MB 200-67984/26		02/05/2014 15:38	1	5988_026.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 16:44	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 17:53	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 19:00	0.2		RTX-624 0.32(mm)
200-20762-12	3217	02/05/2014 20:06	0.2	5988_008.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 20:54	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 21:43	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 22:31	2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 23:37	0.2		RTX-624 0.32(mm)
ZZZZZ		02/06/2014 08:58	0.2		RTX-624 0.32(mm)
ZZZZZ		02/06/2014 10:05	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Instrument ID: CHW.i Start Date: 12/12/2013 15:40

Analysis Batch Number: 65929 End Date: 12/13/2013 04:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-65929/1		12/12/2013 15:40	1	wak001.d	RTX-624 0.32(mm)
VIBLK 200-65929/2		12/12/2013 16:35	1		RTX-624 0.32(mm)
VIBLK 200-65929/3		12/12/2013 17:24	1		RTX-624 0.32(mm)
IC 200-65929/4		12/12/2013 18:12	1	wak004.d	RTX-624 0.32(mm)
IC 200-65929/5		12/12/2013 19:03	1	wak005.d	RTX-624 0.32(mm)
IC 200-65929/6		12/12/2013 19:52	1	wak006.d	RTX-624 0.32(mm)
IC 200-65929/7		12/12/2013 20:40	1	wak007.d	RTX-624 0.32(mm)
ICIS 200-65929/8		12/12/2013 21:29	1	wak008.d	RTX-624 0.32(mm)
IC 200-65929/9		12/12/2013 22:18	1	wak009.d	RTX-624 0.32(mm)
IC 200-65929/10		12/12/2013 23:07	1	wak010.d	RTX-624 0.32(mm)
IC 200-65929/11		12/12/2013 23:57	1	wak011.d	RTX-624 0.32(mm)
VIBLK 200-65929/12		12/13/2013 00:46	1		RTX-624 0.32(mm)
VIBLK 200-65929/13		12/13/2013 01:36	1		RTX-624 0.32(mm)
ICV 200-65929/14		12/13/2013 02:26	1	wak014.d	RTX-624 0.32(mm)
ZZZZZ		12/13/2013 03:16	1		RTX-624 0.32(mm)
VIBLK 200-65929/16		12/13/2013 04:06	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20763-1

SDG No.:

Instrument ID: CHW.i Start Date: 02/05/2014 11:05

Analysis Batch Number: 67984 End Date: 02/06/2014 10:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-67984/1		02/05/2014 11:05	1	5988_001.d	RTX-624 0.32(mm)
CCVIS 200-67984/2		02/05/2014 11:56	1	5988_002.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 12:52	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 13:56	1		RTX-624 0.32(mm)
LCS 200-67984/25		02/05/2014 14:47	1	5988_025.d	RTX-624 0.32(mm)
MB 200-67984/26		02/05/2014 15:38	1	5988_026.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 16:44	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 17:53	0.2		RTX-624 0.32(mm)
200-20763-7	2631	02/05/2014 19:00	0.2	5988_007.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 20:06	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 20:54	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 21:43	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 22:31	2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 23:37	0.2		RTX-624 0.32(mm)
ZZZZZ		02/06/2014 08:58	0.2		RTX-624 0.32(mm)
ZZZZZ		02/06/2014 10:05	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Instrument ID: CHW.i Start Date: 12/12/2013 15:40

Analysis Batch Number: 65929 End Date: 12/13/2013 04:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-65929/1		12/12/2013 15:40	1	wak001.d	RTX-624 0.32(mm)
VIBLK 200-65929/2		12/12/2013 16:35	1		RTX-624 0.32(mm)
VIBLK 200-65929/3		12/12/2013 17:24	1		RTX-624 0.32(mm)
IC 200-65929/4		12/12/2013 18:12	1	wak004.d	RTX-624 0.32(mm)
IC 200-65929/5		12/12/2013 19:03	1	wak005.d	RTX-624 0.32(mm)
IC 200-65929/6		12/12/2013 19:52	1	wak006.d	RTX-624 0.32(mm)
IC 200-65929/7		12/12/2013 20:40	1	wak007.d	RTX-624 0.32(mm)
ICIS 200-65929/8		12/12/2013 21:29	1	wak008.d	RTX-624 0.32(mm)
IC 200-65929/9		12/12/2013 22:18	1	wak009.d	RTX-624 0.32(mm)
IC 200-65929/10		12/12/2013 23:07	1	wak010.d	RTX-624 0.32(mm)
IC 200-65929/11		12/12/2013 23:57	1	wak011.d	RTX-624 0.32(mm)
VIBLK 200-65929/12		12/13/2013 00:46	1		RTX-624 0.32(mm)
VIBLK 200-65929/13		12/13/2013 01:36	1		RTX-624 0.32(mm)
ICV 200-65929/14		12/13/2013 02:26	1	wak014.d	RTX-624 0.32(mm)
ZZZZZ		12/13/2013 03:16	1		RTX-624 0.32(mm)
VIBLK 200-65929/16		12/13/2013 04:06	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-20780-1

SDG No.:

Instrument ID: CHW.i Start Date: 02/05/2014 11:05

Analysis Batch Number: 67984 End Date: 02/06/2014 10:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-67984/1		02/05/2014 11:05	1	5988_001.d	RTX-624 0.32(mm)
CCVIS 200-67984/2		02/05/2014 11:56	1	5988_002.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 12:52	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 13:56	1		RTX-624 0.32(mm)
LCS 200-67984/25		02/05/2014 14:47	1	5988_025.d	RTX-624 0.32(mm)
MB 200-67984/26		02/05/2014 15:38	1	5988_026.d	RTX-624 0.32(mm)
200-20780-8	2523	02/05/2014 16:44	0.2	5988_005.d	RTX-624 0.32(mm)
ZZZZZ		02/05/2014 17:53	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 19:00	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 20:06	0.2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 20:54	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 21:43	1		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 22:31	2		RTX-624 0.32(mm)
ZZZZZ		02/05/2014 23:37	0.2		RTX-624 0.32(mm)
ZZZZZ		02/06/2014 08:58	0.2		RTX-624 0.32(mm)
ZZZZZ		02/06/2014 10:05	0.2		RTX-624 0.32(mm)

Shipping and Receiving Documents

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information
Company: Arcadis
Address: 10 Friends Lane Suite 200
City/State/Zip Newtown PA 18940
Phone: 267-685-1874
FAX: 267-685-1801
Project Name: LMC Utica
Site: Utica NY
PO # NT001050

Project Manager: Jeff Bonstead
Phone: 267-685-1874
Email: Jeffrey.Bonstead@Arcadis-us.com
Site Contact: D. Zuck
TA Contact: Don Dwicky

Analysis Turnaround Time
Standard (Specify) 2wk
Rush (Specify)

Samples Collected By: KB/DZ

1 of 6 COCs

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
IA-VMP-1B	2/12/14	09:36	1905	-30	-14.5	09903 ~~3011~~ 1B	4442	X							X				
SS-VMP-1B	↓	09:36	1715	-29	-5	09709	3011	X									X		
IA-VMP-2B		0922	1724	-30	-7.5	10239	2956	X							X				
SS-VMP-2B		0921	1721	-30	-5.2	09702	4343	X									X		
IA-VMP-2C		0925	1727	-30	-7.5	4532	4800	X							X				
SS-VMP-2C		0924	1727	-30	-6	10630	4441	X									X		

Temperature (Fahrenheit)

	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)

	Interior	Ambient	
Start			
Stop			

200-20955 Chain of Custody

Special Instructions/QC Requirements & Comments:
Note: All IA + DUP IA should Be under Sample Data Group #1 (SDG-1)
All SS + DUP SS should Be under Sample Data Group #2 (SDG-2)

Samples Shipped by: Don Zuck	Date/Time: 2/13/14 1100	Samples Received by: Steph Pouches 2/14/14 1320 TARUR
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Page 1 of 6	**Samples Collected By:** KB/DZ	2 of 6 COCs
Company: Arad's Lee	Phone:		
Address:	Email:		
City/State/Zip			
Phone:	Site Contact:		
FAX:	TA Contact:		
Project Name: LMC Utica	**Analysis Turnaround Time**		
Site: Utica NY	Standard (Specify) 2wks		
PO # NJ001050	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
IA-VMP-3A	2/12/14	0905	1702	-30	-6.5	10877	5148	X							X				
SS-VMP-3A		0902	1703	-30	-12.5	4205	5039	X									X		
IA-VMP-3B		0924	1722	-30	-6	5232	5050	X							X				
SS-VMP-3B		0923	1725	-30	-22.5	5203	5628	X									X		
IA-VMP-3D		0930	1632	-31	-5	90660	2786	X							X				
SS-VMP-3D	↓	0930	1732	-30	-6.5	10660	2639	X									X		

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Special Instructions/QC Requirements & Comments:

Page 1 of 6

Samples Shipped by:	Date/Time: 2/13/14 1100	Samples Received by: 2/14/14 1320
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Page #1 of 6	Samples Collected By: KB/DE	3 of 6 COCs
Company: Arcadis	Phone:		
Address:	Email:		
City/State/Zip			
Phone:	Site Contact:		
FAX:	TA Contact:		
Project Name: GE LMC Utica	**Analysis Turnaround Time**		
Site: Utica NY	Standard (Specify) 2wk		
PO # NJOO1050	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
IA-VMP-5B	2/12/14	0910	1714	-31	-14	5168	5618	X							X				
SS-VMP-5B		0910	1713	-30	-21	09708	5104	X								X			
IA-VMP-6A		0859	1652	-30	-6	10056	4150	X							X				
SS-VMP-6A		0857	1632	-30	-6	10654	3459	X								X			
IA-VMP-6B		0906	1708	-29	-6	3736	5160	X							X				
SS-VMP-6B	↓	0907	1707	-30+	-11	5182	2712	X								X			

Temperature (Fahrenheit)		
	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)		
	Interior	Ambient
Start		
Stop		

Special Instructions/QC Requirements & Comments:
See Page # 1 of 6

Samples Shipped by:	Date/Time: 2/13/14 1100	Samples Received by:	2/14/14 1320
Samples Relinquished by:	Date/Time:	Received by:	
Relinquished by:	Date/Time:	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Jeff Bomstel	Samples Collected By: KB/DZ	4 of 6 COCs
Company: Arcadis	Phone:		
Address: See Page # 1 of 6	Email:		
City/State/Zip:			
Phone:	Site Contact:		
FAX:	TA Contact:		
Project Name: LMC Utica	**Analysis Turnaround Time**		
Site: Utica NY	Standard (Specify) 2 wk		
PO # NJ001050	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
IA - VMP - 3E	2/12/14	0937	1640	-29.5	-6	3123	4550	X							X				
SS - VMP - 3E		0936	1740	-30	-6.5	10587	5615	X								X			
IA - VMP - 4		0930	1730	-30	-7.8	3695	5610	X							X	X			
SS - VMP - 4		0931	1641	-29	-6	10659	5081	X								X			
IA - VMP - 5A		0855	1655	-28.5	-5.5	10240	4282	X							X				
SS - VMP - 5A		0855	1655	-30	-6	10053	5607	X								X			

Temperature (Fahrenheit)			
	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)			
	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

See page # 1 of 6

Samples Shipped by:	Date/Time: 2/13/14 1100	Samples Received by:	2.14.14 1320
Samples Relinquished by:	Date/Time:	Received by:	
Relinquished by:	Date/Time:	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Jeff Bonstead	**Samples Collected By:** KB/DZ	5 of 6 COCs
Company: Arcadis	Phone:		
Address:	Email:		
City/State/Zip: See Page #1 of 6			
Phone:	Site Contact:		
FAX:	TA Contact:		
Project Name: LMC Utica	**Analysis Turnaround Time**		
Site: Utica NY	Standard (Specify) 2 WK		
PO # NJ001050	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
~~IA-VMP-7~~ [SS-VMP-7]	2/12/14	0901	1701	-30	-6.9	4056	5083	X									X		
IA-VMP-7	↓	0854	1815	-28	-14.9	3118	3136	X							X				
IA-VMP-7A	↓	1120	1907	-29	-5	4030	4016	X							X				
SS-VMP-7A	↓	0853	1806	-30	-26	09912	4488	X									X		
IA-VMP-8D	↓	0914	1634	-30	-6	10617	5612	X							X				
SS-Dup-021214	2/12/14	—	—	-30	-20	—	3087	X									X		

Temperature (Fahrenheit)

	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)

	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

See page # 1 of 6

Samples Shipped by: [signature]	Date/Time: 2/13/14 1100	Samples Received by: 2/14/14 1320 Aleph Bouche TABUR
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Jeff Bousted	Samples Collected By: KB/DE	0 of 6 COCs
Company: Arcadis	Phone:		
Address:	Email:		
City/State/Zip: See Page # 1 of 6			
Phone:	Site Contact:		
FAX:	TA Contact:		
Project Name: LMC Utica	**Analysis Turnaround Time**		
Site: Utica, NY	Standard (Specify) 2 week		
PO # NJ00010 50	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
IA-DUP-021214	2/12/14	—	—	-30	-4.5	—	3233	X							X				

Temperature (Fahrenheit)			
	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)			
	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments: See Page # 1 of 6

Samples Shipped by:	Date/Time: 2/13/14 1100	Samples Received by: 2/14/14 1200
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**



ORIGIN ID:BTV (518) 250-7387
KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD
UTICA, NY 13502
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 5.0 LB MAN
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN
BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058
INV:
PO:
REF:
DEPT:

FedEx Express

TRK# 0221 5039 4703 0590

RETURNS MON-FRI
PRIORITY OVERNIGHT

FRI - 14 FEB 10:30A
PRIORITY OVERNIGHT

5039 4703 0590

EK BTVA

05403
VT-US
BTV

FID 772466 13FEB14 UCAA 51AC1/562F/65DD

ORIGIN ID:BTVA (802) 923-1058
SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON, VT 05403
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 34.4 LB
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN
BILL SENDER

TO KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA NY 13502
(518) 250-7387
REF: S200-9953

FedEx Express

8 of 10
MPS# 0263 5039 4703 0568
Mstr# 5039 4703 0498

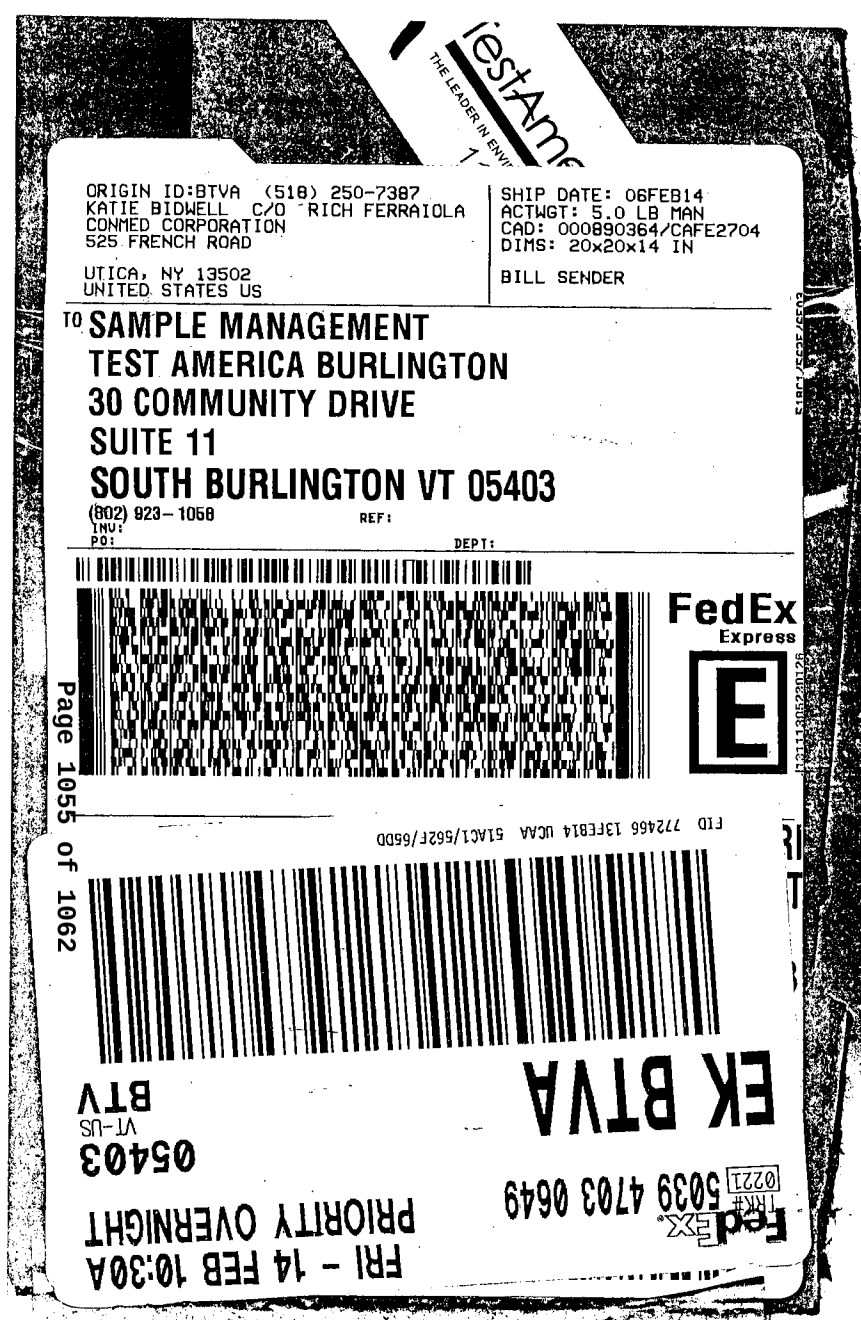
MON - 10 FEB AA
** 2DAY **

0201

KS UCAA

13502
NY-US SYR

Part # 150148-434 BIT2 04/13



ORIGIN ID:BTVA (518) 250-7387
KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA, NY 13502
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 5.0 LB MAN
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN

BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058 REF:
INV:
PO: DEPT:

FedEx Express

Page 1055 of 1062

FID 772466 13FEB14 UCAA 51AC1/562F/65DD

EK BTVA

05403
VT-US
BTV

FRI - 14 FEB 10:30A
PRIORITY OVERNIGHT

TRK# 5039 4703 0649
0221



ORIGIN ID:BTVA (802) 923-1058
SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON, VT 05403
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 34.4 LB
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN

BILL SENDER

TO KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA NY 13502
(618) 250-7387
REF: S200-9953

FedEx Express

5 of 10
MPS# 0263 5039 4703 0535
Mstr# 5039 4703 0498 0201

MON - 10 FEB AA
** 2DAY **

KS UCAA

13502
NY-US SYR

Part # 156148-434 RIT2 04/13

ORIGIN ID:BTVA (802) 923-1058
SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON, VT 05403
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 34.4 LB
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN

BILL SENDER

TO KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA NY 13502
(518) 250-7387
REF: S200-9953

FedEx Express

9 of 10

MPS# 5039 4703 0579
Mstr# 5039 4703 0498

MON - 10 FEB AA
** 2DAY **

0201

KS UCAA

13502
NY-US SYR

ORIGIN ID:BTVA (518) 250-7387
KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA, NY 13502
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 5.0 LB MAN
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN

BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058 REF:
INV:
PO: DEPT:

FedEx Express

RETURNS MON-FRI

TRK# 0221 FedEx TRK# 5039 4703 0660

FRI - 14 FEB 10:30A
PRIORITY OVERNIGHT

EK BTVA

05403
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BTV

FID 772466 13FEB14 UCAA 51AC1/562F/65DD

ORIGIN ID:BTVA (518) 250-7387
KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA, NY 13502
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 5.0 LB MAN
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN

BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058 REF:
INV:
PO: DEPT:

FedEx Express

E

RETURNS MON-FRI

FedEx
TRK# 0221 5039 4703 0682

FRI - 14 FEB 10:30A
PRIORITY OVERNIGHT

EK BTVA

05403
VT-US
BTV

FID 772466 13FEB14 UCAA 51AC1/562F/65DD

A
0682
02.14

716 1
717

ORIGIN ID:BTVA (518) 250-7387
KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA, NY 13502
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 5.0 LB MAN
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN

BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058 REF:
INV:
PO: DEPT:

FedEx Express

E

RETURNS MON-FRI
PRIORITY OVERNIGHT

TRK# 0221 5039 4703 0616

FedEx
TRK# 0221 5039 4703 0616

FRI - 14 FEB 10:30A
PRIORITY OVERNIGHT

EK BTVA

05403
VT-US
BTV

FID 772466 13FEB14 UCAA 51AC1/562F/65DD



ORIGIN ID:BTVA (518) 250-7387
KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA, NY 13502
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 5.0 LB MAN
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN

BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1068 REF:
INV:
PO: DEPT:

FedEx Express

FedEx
TRK# 0221 5039 4703 0650

RETURNS MON-FRI
FRI - 14 FEB 10:30A
PRIORITY OVERNIGHT

EK BTVA

05403
VT-US
BTV

FID 772466 13FEB14 UCAA 51AC1/562F/65DD

ORIGIN ID:BTVA (518) 250-7387
KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA, NY 13502
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 5.0 LB MAN
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN

BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1068 REF:
INV:
PO: DEPT:

FedEx Express

TRK# 0221 5039 4703

RETURNS MON-FRI
PRIORITY OVERNIGHT

FRI - 14 FEB 10:30A
PRIORITY OVERNIGHT

05403
VT-US
BTV

4703 0627

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information		Project Manager: Jeff Bonsted	Samples Collected By: D. Zuck	1 of 1 COCs
Company: Arcadis		Phone: 267-685-1874		
Address: 10 Friends Lane Suite 200		Email: Jeffrey.Bonsted@Arcadis-US.com		
City/State/Zip Newtown PA 18940				
Phone: 267-685-1874		Site Contact: D. Zuck		
FAX: 269-685-1801		TA Contact: Don Duicki		
Project Name: LMC Utica		Analysis Turnaround Time		
Site: Utica NY		Standard (Specify) 2 week		
PO # NJ001050		Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SS-VMP-7B	2/13/14	1030	1658	-31	-5	3484	2706	X									X		
AMB-021314	2/13/14	1155	2000	-30	-10.5	5178	3015	X								X			

Temperature (Fahrenheit)	Interior	Ambient
Start	69	24
Stop	68	27

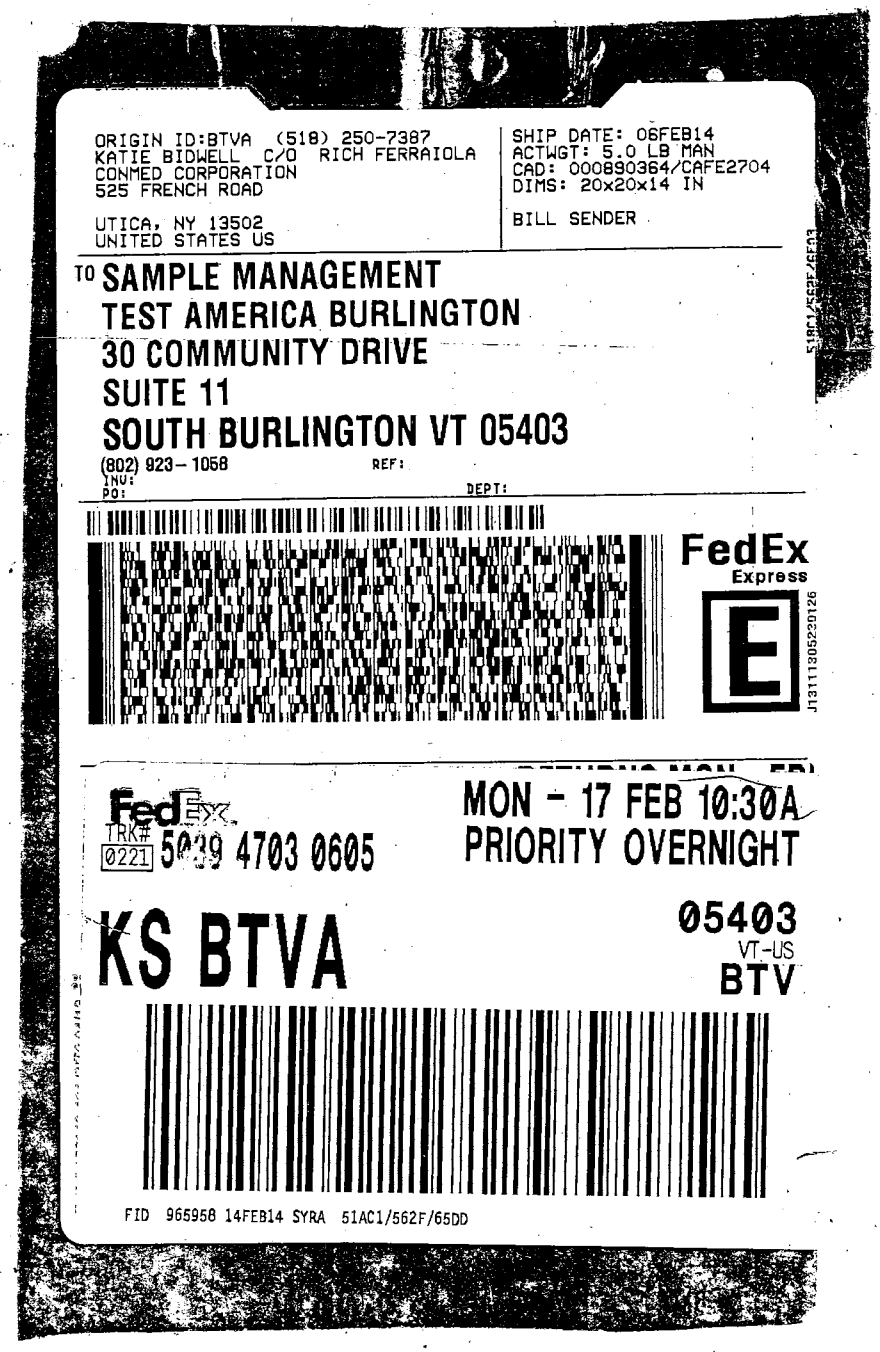
Pressure (inches of Hg)	Interior	Ambient
Start	NA	29.96
Stop	NA	29.62

200-20969 Chain of Custody

Special Instructions/QC Requirements & Comments:
Please analize SS with Sample Data Group #2 (SDG-2)
Please analize AMB with SDG-1.

Samples Shipped by: [signature]	Date/Time: 2/14/14 1500	Samples Received by: [signature] TAER 2/7/14 0940
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**



ORIGIN ID:BTVA (518) 250-7387
KATIE BIDWELL C/O RICH FERRAIOLA
CONMED CORPORATION
525 FRENCH ROAD

UTICA, NY 13502
UNITED STATES US

SHIP DATE: 06FEB14
ACTWGT: 5.0 LB MAN
CAD: 000890364/CAFE2704
DIMS: 20x20x14 IN

BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058 REF:
INV:
PO: DEPT:

FedEx Express

J13111305229126

FedEx
TRK# 0221 5039 4703 0605

MON - 17 FEB 10:30A
PRIORITY OVERNIGHT

KS BTVA

05403
VT-US
BTV

FID 965958 14FEB14 SYRA 51AC1/562F/65DD

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
SDG Number: 200-20955-2

Login Number: 20955
List Number: 1
Creator: Lavigne, Scott M

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	119091,092,093,094,096,097,118941,942,943
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	AMBIENT
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 200-20955-2
SDG Number: 200-20955-2

Login Number: 20969
List Number: 1
Creator: Lavigne, Scott M

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	118944
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	AMBIENT
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

APPENDIX D

Data Usability Summary Report

Stantec Data Usability Summary Report **Report No. 032014-EC-03**

Project Name: Lockheed, Utica, NY	Project Number: 190500800
Stantec Validator: Elizabeth Crowley	Laboratory: Test America - South Burlington, VA
Date Validated: 03/14/14	Laboratory Project Number: 200-20995-1
Sample Start-End Date: 02/12-02/13/14	Laboratory Report Date: 02/28/14
Parameters Validated: Volatile Organic Compounds by EPA TO-15 Tier III validation	
Samples Validated: 17 air field samples – See Samples Validated Table	

VALIDATION CRITERIA CHECK

Data review based on *USEPA Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air*, Second Edition, Compendium Method TO-15 with NYSDEC ASP 2005 Revision, QA/QC and reporting deliverables requirements., *Quality Assurance Program Plan, Solvent Deck Area, Former French Road Facility, Utica, NY* October 14, 2009 and *USEPA National Functional Guidelines* (USEPA, 1999b)

Validation Flags Applicable to this Review:

U The analyte was analyzed for, but not detected above the reported sample quantitation limit.
J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
B The analyte was detected in the method, field and/or trip blank.

	Yes	No
1. Were all the analyses requested for the samples submitted with each COC completed by the lab?	X	
Comments:		
2. Did the laboratory identify any non-conformances related to the analytical result?	Yes X	No
Comments: Refer to laboratory report.		
3. Were sample Chain-of-Custody forms complete?	Yes X	No
Comments: Minor CofC/Label discrepancies, Lab and PM communication resolved all discrepancies. No qualifying action required.		
4. Were samples received in good condition and at the appropriate temperature?	Yes X	No
Comments		
5. Were sample holding times met?	Yes X	No
Comments:		
6. Were correct concentration units reported?	Yes	No

		X	
Comments:			
7. Were detections found in laboratory blank samples?		Yes X	No
Comments: Batch 68730 – 1,3-Dichlorobenzene = 0.163 µg/m³ and 1,4-Dichlorobenzene = 0.212 µg/m³. Batch 68870 – Multiple analytes reported in method blank, associated sample non-detect for blank reported analytes. No qualifying action required. Sample results below the blank concentration are validated to non-detect and flagged "UJB". The reporting and/or detection limit is changed to the blank concentration. Sample results greater than the blank concentration and less than 5 times the blank concentration are flagged "JB". Sample concentrations greater than 5 times the blank concentration require no qualifying. All results greater than 5x concentration. No qualifying action required.			
8. Were detections found in field blank, equipment rinse blank, and/or trip blank samples?	NA	Yes	No
Comments: No blank samples submitted.			
9. Were instrument calibrations within method criteria?		Yes	No X
Comments: Instrument GHC.i – ICAL dated 01/03/14, batch 68870 - %RSD above limits for Naphthalene and CCAL %D above limits for Naphthalene. Associated result flagged "UJ". Reason Code – ICAL,CCAL Instrument GHG.i – ICAL dated 02/20/14, batches 68679 and 68811 - %SD above limits for 1,2,4-Trichlorobenzene. Associated results flagged "J" if positive or "UJ" if non-detect. Reason Code – ICAL Batch 68811 – CCAL dated 02/25-14 - %D above limits for Hexachlorobutadiene. Associated sample result flagged "UJ". Reason Code – CCAL. Instrument GHW.i – ICAL dated 02/11/14, batches 68420 and 68730 - %RSD above limits for Naphthalene. Associated sample results flagged "UJ". Reason Code – ICAL			
10. Were surrogate recoveries within control limits?	NA	Yes	No
Comments: No surrogates required.			
11. Were laboratory control (LC/LD) sample recoveries within control limits?		Yes X	No
Comments: LCS %Rs above limits for analytes which reported non-detect sample results. No qualifying action required.			
12. Were site specific matrix spike (MS/MD) recoveries within control limits?	NA	Yes	No
Comments: No matrix samples required.			
13. Were RPDs within control limits?		Yes X	No
Comments:			

14. Were dilutions required on any samples?	Yes X	No	
Comments: Samples diluted due to high concentrations of analytes. Isopropyl Alcohol reported at the upper limit of the instrument calibration, sample not reanalyzed at greater dilution. Associated sample result flagged "J". Reason Code - EC.			
15. Were Tentatively Identified Compounds (TIC) present?	Yes X	No	
Comments: Sample results below the reporting limit do not possess the degree of qualitative or quantitative confidence required. The value may be a false positive and is an estimated value and is flagged "NJ". Reason Code – SQL			
16. Were organic system performance/instrument tune criteria met?	Yes X	No	
Comments:			
17. Were GC/MS internal standards within method criteria?	Yes X	No	
Comments:			
18. Were inorganic method performance criteria met? NA	Yes	No	
Comments: No inorganic analyses requested.			
19. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results. Duplicate Sample Nos. IA-DUP-021214 IA-VMP-1B	Yes X	No	
Comments: All RPDs within limits. Only results greater than 2x the reporting limit used to calculate RPD.			
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes X	No	Initials EAC
Comments:			
21. Other: Poor/Incorrect Chromatogram	Yes X	No	
Comments: The chromatograms for the reported analyte was a poor match or had incorrect peaks for: IA-VMP-1B – 4-Isopropyltoluene and sec-Butylbenzene. IA-VMP-2C – Methyl Methacrylate, sec-Butylbenzene and Tetrahydrofuran. IA-VMP-3E – sec-Butylbenzene and Tetrahydrofuran. IA-VMP-4 – 2-Chlorotoluene, 4-Ethyltoluene, Methyl Methacrylate and sec-Butylbenzene. IA-VMP-7A – Tetrahydrofuran. IA-VMP-7 – Tetrahydrofuran. Associated results flagged "J". Reason Code – ID			

PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT Data are usable as flagged. See Form 1s for flagged data.			
Precision:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Sensitivity:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Accuracy:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Representativeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			

Stantec Data Usability Summary Report **Report No. 032014-EC-04**

Project Name: Lockheed, Utica, NY	Project Number: 190500800
Stantec Validator: Elizabeth Crowley	Laboratory: Test America - South Burlington, VA
Date Validated: 03/17/14	Laboratory Project Number: 200-20995-2
Sample Start-End Date: 02/12-02/13/14	Laboratory Report Date: 02/28/14
Parameters Validated: Volatile Organic Compounds by EPA TO-15 Tier III validation	
Samples Validated: 16 air field samples – See Samples Validated Table	

VALIDATION CRITERIA CHECK

Data review based on *USEPA Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air*, Second Edition, Compendium Method TO-15 with NYSDEC ASP 2005 Revision, QA/QC and reporting deliverables requirements., *Quality Assurance Program Plan, Solvent Deck Area, Former French Road Facility, Utica, NY* October 14, 2009 and *USEPA National Functional Guidelines* (USEPA, 1999b)

Validation Flags Applicable to this Review:

U The analyte was analyzed for, but not detected above the reported sample quantitation limit.
J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
B The analyte was detected in the method, field and/or trip blank.

	Yes	No
1. Were all the analyses requested for the samples submitted with each COC completed by the lab?	X	
Comments:		
2. Did the laboratory identify any non-conformances related to the analytical result?	Yes X	No
Comments: Refer to laboratory report.		
3. Were sample Chain-of-Custody forms complete?	Yes X	No
Comments:		
4. Were samples received in good condition and at the appropriate temperature?	Yes X	No
Comments		
5. Were sample holding times met?	Yes X	No
Comments:		
6. Were correct concentration units reported?	Yes X	No

Comments:			
7. Were detections found in laboratory blank samples?		Yes X	No
Comments: Batch 68730 – 1,3-Dichlorobenzene = 0.163 µg/m³ and 1,4-Dichlorobenzene = 0.212 µg/m³. Sample results below the blank concentration are validated to non-detect and flagged "UJB". The detection limit is changed to the blank concentration. Sample results greater than the blank concentration and less than 5 times the blank concentration are flagged "JB". Sample concentrations greater than 5 times the blank concentration require no qualifying. All sample results greater than 5x concentration. No qualifying action required.			
8. Were detections found in field blank, equipment rinse blank, and/or trip blank samples?	NA	Yes	No
Comments: No blank samples submitted.			
9. Were instrument calibrations within method criteria?		Yes	No X
Comments: Instrument GHG.i – ICAL dated 02/20/14, batch 68679 - %SD above limits for 1,2,4-Trichlorobenzene. Associated results flagged "J" if positive or "UJ" if non-detect. Reason Code – ICAL Instrument GHW.i – ICAL dated 02/11/14, batch68730 - %RSD above limits for Naphthalene. Associated sample results flagged "UJ". Reason Code – ICAL			
10. Were surrogate recoveries within control limits?	NA	Yes	No
Comments: No surrogates required.			
11. Were laboratory control (LC/LD) sample recoveries within control limits?		Yes X	No
Comments:			
12. Were site specific matrix spike (MS/MD) recoveries within control limits?	NA	Yes	No
Comments: No matrix samples required.			
13. Were RPDs within control limits?		Yes X	No
Comments:			
14. Were dilutions required on any samples?		Yes X	No
Comments: Samples diluted due to high concentrations of analytes. Isopropyl Alcohol reported at the upper limit of the instrument calibration, sample not reanalyzed at greater dilution. Associated sample result flagged "J". Reason Code - EC.			
15. Were Tentatively Identified Compounds (TIC) present?		Yes X	No
Comments: Sample results below the reporting limit do not possess the degree of qualitative or quantitative confidence required. The value may be a false positive and is an estimated value and is flagged "NJ". Reason Code – SQL			

16. Were organic system performance/instrument tune criteria met?	Yes X	No
Comments:		
17. Were GC/MS internal standards within method criteria?	Yes X	No
Comments:		
18. Were inorganic method performance criteria met? NA	Yes	No
Comments: No inorganic analyses requested.		
19. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results. Duplicate Sample Nos. SS-DUP-021214 SS-VMP-7A	Yes X	No
Comments: RPDs above limits for Chloroform, Isopropyl Alcohol, Methyl Ethyl Ketone, Methylene Chloride and Trichloroethene.. Associated results flagged "J" for duplicate and parent samples only. Only results which are 2x the reporting limit are used in calculating the RPDs. Reason Code – FDUP		

20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes X	No	Initials EAC
Comments:			
21. Other: Poor/Incorrect Chromatogram	Yes X	No	
Comments: The chromatograms for the reported analyte was a poor match or had incorrect peaks for: SS-VMP-1B – 2-Dichlorotetrafluoroethane. SS-VMP-2B – 4-Ethylbenzene SS-VMP-2C – 4-Ethylbenzene SS-VMP-3B – 4-Ethyltoluene and Tetrahydrofuran SS-VMP-6A – Cyclohexane SS-VMP-6B – 2-Chlorotoluene, 4-Ethylbenzene and Cyclohexane SS-VMP-3E – 4-Ethylbenzene and Methyl Methacrylate SS-VMP-4 – 4-Ethylbenzene SS-VMP-5A – Cyclohexane and 1,4-Dioxane SS-VMP-7A – 1,1,1-Trichloroethane and Cyclohexane SS-DUP-021214 – 1,1,1-Trichloroethane, Cyclohexane and Tetrahydrofuran. Associated results flagged "J". Reason Code – ID			

PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT

Precision:	Acceptable X	Unacceptable	Initials EAC
Comments:			

Sensitivity:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Accuracy:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Representativeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			

APPENDIX E

Chemical Inventory

Appendix E. Product Inventory Form

Make and Model of field instrument used:
MiniRAE Photo Ionization Detector

List specific product found in the residence or area that have the potential to affect indoor air quality (e.g., gasoline or kerosene storage cans, glues, paints, cleaning solvents/products, polishes/waxes, new furniture/carpet, nail polish/hairspray/cologne).

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (units)	Photo Y/N
Molding Facility	Safety First APR-424 Aircraft cleaner	6 gallon bucket	Used	5-10% d-Limonene CAS#5989-27-5, 1-5% Triethanolamine CAS#102-71-6, <2% Ethoxylated alkyl amine CAS#68478-95-5, <2% Sodium metasilicate CAS#6834-92-0, <2% Diethanolamine CAS#111-42-2	0.4	Y
Molding Facility	Speedball 2000 Heavy Duty Cleaner	2 spray bottles (750 mL)	Used	1-5% Monoethanolamine, 1-5% Diethylene glycol monoethyl ether, Benzyl alcohol 1-5%	0.0	Y
Molding Facility	**Glass cleaner (MDSD for Windex)**	2 spray bottles (750 mL)	Used	60-100% Water, **1-5% Isopropyl alcohol** CAS#67-63-0, 0.5-1.5% 2-Butoxyethanol CAS#111-76-2, 0.5-1.5% Ethylene glycol hexyl ether CAS#112-25-4	0.0	Y
Mold Storage	Slide on/cycle mold cleaner	12 oz can	8: 7 new, 1 used	30-40% Natural turpene CAS#5989-27-5, 25-30% Isopropanol CAS#67-63-0, 22-32% Aliphatic hydrocarbon CAS#64742-48-9, 8-12% Propane CAS#74-98-6	0.9	Y
Mold Storage (Cabinet #2)	**Slide White Rhino Rust Preventative**	10 oz can	10 new	**50-60% Heptane** CAS#00142-82-5, 20-30% Proprietary rust preventive, 10-20% Propane CAS#74-98-6, 5-10% n-Butane CAS#106-97-8, 4-8% Isobutane CAS#75-28-5	0.0	Y
Mold Storage (Cabinet #2)	Slide "PC" Polish Cleaner Compound	10 fl oz	7 used, 12 new	5-70% Water, 2-5% Oxalic Acid, 30-35% Silica, 2-5% Ammonium Hydroxide, 2-5% Isopropanol, 2-5% Olecic Acid	0.0	Y
Mold Storage (Cabinet #2)	Dykem Steel Blue	8 fl oz	1 used	30-50% Butyl Acetate, 20-50% Ethanol, 10-20% Butanol, 1-10% Nitocellulose, 10-20% n-Propyl Acetate, 1-10% Isopropanol, 1-5% Diacetone Alcohol, 1-5% C.I. Solvent Red 160, < 1% Malachite Green, <1% Methyl Violet, < 1% C.I. Solvent Yellow 42, < 1% C.I. Solvent Orange 23, C.I. Solvent Black 13	0.0	Y
Mold Storage	Dykem remover	12 oz	2 used	13-30% Butyl Acetate, 71-90%	0.0	Y

(Cabinet #2)	and cleaner			Ethanol, 1-5% Isopropanol, 1-5% Propyl Acetate		
Mold Storage (Cabinet #2)	**Rust-oleum America's finest fast dry all-purpose (flat white)**	12 oz	1 used	10% Copolymer alkyd resin CAS#000000-28-1, **15% Acetone** CAS#000067-64-1, **10% Ethylbenzene** CAS#000100-41-4, **1% Toluene** CAS#000108-88-3, 0.1% Cobalt 2-ethylhexanoate CAS#000136-52-7, 5% Calcium carbonate CAS#001317-65-3, **25% Xylene** CAS#001330-20-7, 5% Ligroin CAS#008032-32-4, 15% Titanium dioxide CAS#013463-67-7, 5% Talc CAS#014807-96-6, 25% Petroleum gases, liquefied CAS#068476-85-7	0.0	Y
Mold Storage (Cabinet #2)	**Rust-oleum gloss protective enamel (fresh blue)**	12 oz	2 used	**<30% Acetone** CAS#67-64-1, <30% Liquefied petroleum gas CAS#68476-86-8, **<10% Xylene** CAS#1330-20-7, <10% n-Butyl acetate CAS#123-86-4, <5% Titanium dioxide CAS#13463-67-7, **<5% Ethylbenzene** CAS#100-41-4, <5% Propylene glycol monobutyl ether CAS#5131-66-8	0.0	Y
Mold Storage (Cabinet #2)	Master Appliance Ultratane Butane	12 oz	1 used	Isobutane CAS#75-28-5, Propane CAS#74-98-6, Butane CAS#106-97-8	0.0	Y
Mold Storage (Cabinet #2)	PB Penetrating Catalyst	12 oz	1 used	0-3% Dinonylphenol ethoxylated phosphate, 40-50% Solvent Naphtha, Heavy Aromatic, 20-30% Heavy petroleum distillate, 20-40% Hydrotreated light distillate	0.0	Y
Mold Storage (Cabinet #2)	Gesswein Stoning Oil	2 oz and 4 oz	Used	100% Petroleum distillates hydrotreated middle	0.0	Y
Mold Storage (Cabinet #2)	Slide E-S Regular Silicone Mold Release	16 oz	Used	15-25% Petroleum distillate, 5-10% N-Butane, 4-8% Isobutane, 10-20% Propane	0.0	Y
Mold Storage (Cabinet #2)	Kano ExRust	12 oz	1 used	40-70% Inert non-hazardous ingredient CAS#7732-18-5, 20-40% Phosphoric acid CAS#7664-38-2, 5-10% Glycol ether CAS#111-76-2, 1-5% Triethanolamine CAS#102-71-6, 1-5% Tetrasodium pyrophosphate CAS#7722-88-5, 1-5% Proprietary surfactant	0.9	N
Mold Storage (Cabinet #2)	**Loctite Naval Jelly Rust Dissolver**	8 oz	1 used	>50% Water, 10-30% Phosphoric acid CAS#7664-38-2, 1-5% Phosphate ester, **1-5% Isopropyl alcohol** CAS#67-63-0, 1-5% Polysaccharide, 0.1-1% Sulfiric acid CAS#7664-93-9	0.0	Y
Mold Storage	Parker Super O-	3 boxes,	New	None Present	0.0	Y

(Cabinet #2)	Lube	2 oz				
Mold Storage (Cabinet #2)	LPS premium nickel anti-seize	1 lb	1 used	45-65% Petroleum distillates (hydrotreated heavy naphthenic) CAS#64742-52-5, 15-25% Nickel (metallic) CAS#7440-02-0, 5-20% Residual oils CAS#64742-57-0	0.0	Y
Mold Storage (Cabinet #2)	PPE copper flake anti-seize thread compound	8 oz	1 used	50-60% Petroleum oil CAS#64741-96-4, 5-10% Copper powder CAS#7440-50-8, 1-5% Graphite powder CAS#7782-42-5, 0.5-47% Proprietary compounds	0.0	Y
Mold Storage (Cabinet #2)	Dynatex anti-seize and lubricating compound	4 oz	1 used	50-60% Hydrotreated heavy paraffinic distillates CAS#64742-54-7, 15-20% NJTSRN 80100362-5012P, 15-20% NJTSRN 80100362-5013P, 1-5% Graphite CAS#7782-42-5, 1-5% Aluminum CAS#7429-90-5, 0.5-1% NJTSRN 80100362-5018P	0.0	Y
Mold Storage (Cabinet #2)	Dynatex silicone compound	16 oz tube	Used	25-55% Calcium carbonate CAS#1317-65-3, 10-30% Proprietary non-haz plasticizer, 10-30% Proprietary non-haz polymer, >3% Vinyltrimethoxysilane CAS#2768-02-7, >3% n-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane CAS#1760-24-3	0.0	Y
Mold Storage (Cabinet #2)	Lubriplate No. 1242	411 g	2 used	55-60% Heavy hydrotreated naphthenic distillates (petroleum) CAS#64742-52-5, 10-15% Residual oils (petroleum), solvent dewaxed CAS#64742-62-7, 10-15% Polybutene CAS#9003-29-6, 5-10% Lithium hydroxystearate CAS#7620-77-1, 0-5% Zinc oxide CAS#1314-13-2, 0-5% Proprietary additive package	0.0	Y
Mold Storage (Cabinet #2)	Chevron Delo® Grease EP NLGI 2	14 oz	Used	60-99% Highly refined mineral oil Mixture, 1-5% Zinc dialkyldithiophosphate CAS#68649-42-3	0.0	Y
Mold Storage (Cabinet #2)	Kano KROIL	12 oz can	1 used	30-50% Severely hydrotreated petroleum distillates CAS#64742-52-5, 30-50% Light Petroleum Distillates CAS#64742-95-6/64742-88-7/64742-47-8, 5-15% proprietary ingredients, 1-5% Aliphatic alcohols CAS# 78-92-2/123-42-2, 1-5% Glycol ether CAS#111-76-2	0.0	Y
Mold Storage (Cabinet #2)	Old Bull Mold Grease	8 lbs	Used	70-90% Decene homopolymer CAS#68037-01-4, 5-25%	0.0	Y

				Organophillic clay CAS#68953-58-2,0.1-10% Polytetrafluoroethylene CAS#9002-84-0,0.1-10% Methylene bis dithiocarbonate CAS#10254-57-6, 0.1-10% Zinc oxide CAS#1314-13-2		
Mold Storage (Cabinet #2)	Slide Bulk Super Grease 43900	35 lbs	New	80-90% Base Fluid, 1-5% Teflon, 5-10% Fumed Silica	0.0	Y
Mold Storage (Cabinet #2)	Tri-Cool MD-1	1 gallon	Used	None - vegetable oil based lubricant	0.0	Y
Mold Storage (Cabinet #2)	Mobil Vactra Oil No.2	2, 1 gal jugs	1 new, 1 used	No reportable hazardous or complex substances.	0.0	Y
Molding Facility	PPE copper flake anti-seize thread compound	3 oz tubs	2 new	50-60% Petroleum oil CAS#64741-96-4, 5-10% Copper powder CAS#7440-50-8, 1-5% Graphite powder CAS#7782-42-5, 0.5-47% Proprietary compounds	0.0	Y
Mold Storage (Cabinet #2)	**Isopropyl Alcohol**	10 gallon tank	Used	**100% Isopropyl Alcohol**	0.0	Y
Mold Storage (Cabinet #2)	MBB Biodegradable Bulk Mold Cleaner	2, 5 gallon	1 new, 1 used	100% D-Limonene	0.0	Y
Mold Storage (Cabinet #2)	WD-40	5 gallon	New	45-50% Aliphatic Hydrocarbon, < 25% Petroleum Based Oil, 12-18% LVP Aliphatic Hydrocarbon, 2-3% Carbon Dioxide, < 2% Surfactant, < 10% Non-Hazardous ingredients	0.0	Y
Mold Storage (Cabinet #2)	PHARMCO-AAPER Reagent alcohol 190 proof	5 gallon	New	84% Ethanol CAS#64-17-5, 4.6% Isopropanol CAS#67-63-0, 4.4% Methanol CAS#67-56-1, 6.9% Water	0.0	Y
Mold Storage (Cabinet #2)	**Acetone**	5 gallon	Used	**100% Acetone**	0.0	Y
Mold Storage (Cabinet #3)	CH Air Tool Oil	15 fl oz	Used	93-97% Hydrotreated light naphthenic distillates, 1-5% Solvent-refined heavy naphthenic distillates, < 1% Zinc, dithiophosphate di-C1-14-alkyl esters	0.0	Y
Mold Storage (Cabinet #3)	Propane	2 canisters	Used	100% Propane	0.0	N
Mold Storage (Cart)	J-B Weld	2, 10 oz tubs	New	5-10% Fatty Acids C18 dimers reaction products with polyethylenepolyamines, 5-10% Iron, 10-30% Limestone, 10-30% Oxirane, 2,2-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis, homopolymer, 1-5% formaldedhyde, polymer with benzenamine, hydrogenated, 1-5% phenol polymer with formaldehyde, glycidyl ether,	0.0	Y

				0.1-1% Titanium oxide		
Mold Storage (Cart)	3-IN-ONE Multi-Purpose Oil	3 fl oz	Used	>97% Severely Hydrotreated Heavy Naphthenic Oil CAS#64742-52-5, <3% Non-Hazardous Ingredients, <2% Naphtha, petroleum CAS#64742-47-8	0.0	Y
Mold Storage (Cart)	**Loctite Color Guard Primer Tough Rubber Coating**	14.5 oz can	Used	**30-60% Xylenes** CAS#1330-20-7, **10-30% Acetone** CAS#67-64-1, **10-30% Methyl ethyl ketone** CAS#78-93-3, 5-10% Naphtha CAS#8030-30-6, **1-5% n-Hexane** CAS#110-54-3, 1-5% Titanium dioxide CAS#13463-67-7, 1-5% Carbon black CAS#1333-86-4, 1-5% Silica, amorphous, fumed, crystal-free CAS#112945-52-5	0.0	Y
Mold Storage (Cart)	Chesterton 690 FG Lubricant	14 oz can	Used	5-10% Propane	0.0	Y
Mold Storage (Cart)	Lubriplate 1200-2	13 oz can	Used	40-45% Residual oils (petroleum), solvent dewaxed, 35-40% Heavy hydrotreated naphthenic distillates (petroleum), 5-10% Zinc oxide, 5-10% 12 hydroxy stearic acid, 0-2% Antimony 0,0-diprophylphosphorodithionate, 0-2% Inedible animal grease, 0-2% Lithium hydroxide monohydrate, 0-1% Butyl zimate, 0-1% Hydroxyalkyl carboxylic acid, 0-1% Methacrylate copolymer	0.0	Y
Mold Storage (Cart)	CRC Contact cleaner 2000	13 oz can	Used	80-95% COzol 401, 5-15% Decafluoropentane (HFC-43-10mee), 3-8% Carbon dioxide	0.0	N
Mold Storage (Cart)	Slipkote Moly Paste	4 oz tube	Used	NO MSDS Available	0.0	N
Mold Storage (Cart)	Super Blue Silicone type 613	3 oz	1 used	5-15% Amorphous Silica	0.0	N
Mold Storage (Cart)	FasSeal-ATS, anaerobic pipe sealant	50 mL	1 used	40-60% Methacrylate ester, 20-30% Polymeric plasticizer, 10-20% Cellulose ester, 1-10% Polytetrafluoroethylene, 1-3% Cumene hydroperoxide, 1-5% Titanium dioxide, 1-3% Saccharin	0.0	Y
Mold Storage (Cart)	Dykem Steel Blue	0.55 oz tube	Used	30-50% Butyl Acetate, 20-50% Ethanol, 10-20% Butanol, 1-10% Nitocellulose, 10-20% n-Propyl Acetate, 1-10% Isopropanol, 1-5% Diacetone Alcohol, 1-5% C.I. Solvent Red 160, < 1% Malachite Green, <1% Methyl Violet, < 1% C.I. Solvent Yellow 42, < 1% C.I. Solvent Orange 23, C.I. Solvent Black 13	0.0	Y

Mold Storage (Cart)	2243 Die Spotting Ink	1.5 oz	Used	20% Nonylphenol Ethoxylate	0.0	Y
Mold Storage (Cart)	INFRA-KOTE Heat Transfer Compound	2 oz jar	Used	20-50% Petroleum Grease CAS#64742-62-7, 10-25% Graphite CAS#7782-42-5, 5-25% Copper CAS#7440-50-8, 0.1-10% Aluminum CAS#7429-90-5, 0.1-10% Corrosion Inhibitor (no Nitrates)	0.0	Y
Mold Storage (Cart)	**DAP Kwik Seal Plus® with Microban - Clear**	5.5 fl oz	Used	**0.1-1% Styrene** CAS#100-42-5, 0.1-1% Ethylene glycol CAS#107-21-1, 0.1-1% Formaldehyde CAS#50-00-0	0.0	Y
Mold Storage (Cart)	Parker Super O-Lube	2 oz tubes	Used	None Present	0.0	Y
Mold Storage (Cart)	Slide Bulk Super Grease 43900	2, 10 grams	Used	80-90% Base Fluid, 1-5% Teflon, 5-10% Fumed Silica	0.0	Y
Mold Storage (Cart)	Blue Magic metal polish cream	7 oz	1 used	25-35% Aluminum oxide CAS#1344-28-1, 15-25% Kerosene CAS#8008-20-6, 3-10% Fatty acid CAS#61790-12-3, 1-5% Ammonium hydroxide CAS#7664-41-7	0.0	Y
Mold Storage (Cart)	Slide on/cycle mold cleaner	0.25	Used	30-40% Natural turpene CAS#5989-27-5, 25-30% Isopropanol CAS#67-63-0, 22-32% Aliphatic hydrocarbon CAS#64742-48-9, 8-12% Propane CAS#74-98-6	0.0	Y
Mold Storage (Cart)	Permatex Threadlocker Red Gel	0.35 oz	Used	60-80% Polyglycol Dimethacrylate CAS#25852-47-5, 20-40% Polyester Resin, <3% Dimethylbenzyl Hydroperoxide CAS#80-15-9	0.0	N
Mold Storage (Cart)	Loctite® 567™ PST® Pipe Sealant with PTFE Thread Sealant Part NO. 56747	4 fl oz	Used	30-60% Bisphenol A fumarate resin CAS#39382-25-7, 10-30% Polyglycol dimethacrylate CAS#25852-47-5, 10-30% Polyglycol laurate CAS#9004-81-3, 10-30% Polyethylene glycol monococoate CAS#61791-29-5, 5-10% Ethene, tetrafluoro-, homopolymer CAS#9002-84-0, 1-5% Titanium dioxide CAS#13463-67-7, 1-5% Silica, amorphous, fumed, crystal-free CAS#112945-52-5, 1-5% Saccharin CAS#81-07-2, 1-5% Epichlorohydrin-4,4'-isopropylidene diphenol resin CAS#25068-38-6, 0.1-1% Ethylene glycol CAS#107-21-1, 0.1-1% Cumene CAS#98-82-8	0.0	Y
Mold Storage (Cart)	Happich Simichrome polish	1.76 oz	Used	27% Aluminum oxide, 13% Ammonium oleate, 11% Kerosene, 11% white spirit (without turpentine), <1%	0.0	Y

				glycine, trace iron oxide		
Mold Storage (Cart)	Gorilla Epoxy Resin	0.85 fl oz	New	80-90% Epoxy Resin CAS#25068-38-6, 5-15% Modified Epoxy Resin, 5-15% Alkyl Glycidyl Ether CAS#68609-97-2	1.9-2.4	Y
Mold Storage (Cart)	Loctite Epoxy Resin	0.47 fl oz	New	100% Reaction product of epichlorohydrin & bisphenol A	0.0	Y
Mold Storage	Speedball 2000 Heavy Duty Cleaner	2 spray bottles (750 mL)	Used	1-5% Monoethanolamine, 1-5% Diethylene glycol monoethyl ether, Benzyl alcohol 1-5%	0.0	Y
Mold Machine Repair Shop	**Isopropyl Alcohol**	2 spray bottles	Used	**100% Isopropyl Alcohol**	0.0	Y
Mold Machine Repair Shop	**Acetone**	2 spray bottles	Used	**100% Acetone**	0.0	N
Mold Machine Repair Shop	Accu-Lube #10 Perfect Tapping Oil	2	Used	Not Applicable	0.0	N
Mold Machine Repair Shop	TAP Magic Cutting Fluid	2, 4 oz	Used	Petroleum Distillate (Aliphatic 90%/Aromatic 10%) CAS #8008-20-6: max 60%, methyl laurate CAS #111-82-0: max 40%, vegetable oil, essential CAS #8007-80-5: max 10%	0.0	N
Mold Machine Repair Shop	GOJO Skin Lotion	5 fl oz	Used	No Hazardous Materials Present	0.0	N
Mold Machine Repair Shop	Slide “PC” Polish Cleaner Compound	3, 10 fl oz	Used	5-70% Water, 2-5% Oxalic Acid, 30-35% Silica, 2-5% Ammonium Hydroxide, 2-5% Isopropanol, 2-5% Olecic Acid	0.0	Y
Mold Machine Repair Shop	Dykem Steel Blue	3, 8 fl oz	New	0-50% Butyl Acetate, 20-50% Ethanol, 10-20% Butanol, 1-10% Nitocellulose, 10-20% n-Propyl Acetate, 1-10% Isopropanol, 1-5% Diacetone Alcohol, 1-5% C.I. Solvent Red 160, < 1% Malachite Green, <1% Methyl Violet, < 1% C.I. Solvent Yellow 42, < 1% C.I. Solvent Orange 23, C.I. Solvent Black 13	0.0	Y
Mold Machine Repair Shop (Cart)	WD-40	2, 18 oz	Used	45-50% Aliphatic Hydrocarbon, < 25% Petroleum Based Oil, 12-18% LVP Aliphatic Hydrocarbon, 2-3% Carbon Dioxide, < 2% Surfactant, < 10% Non-Hazardous ingredients	0.0	Y
Mold Machine Repair Shop (Cart)	Dykem remover cleaner	12 oz	Used	13-30% Butyl Acetate, 71-90% Ethanol, 1-5% Isopropanol, 1-5% Propyl Acetate	0.0	Y
Mold Machine Repair Shop (Cart)	Kano SiliKroil	16.5 oz	Used	30-50% Petroleum based oil, 1-10% Aliphatic Petroleum Distillates, 1-10% Petroleum Solvent, 1-10% Proprietary mixture, 20-40% Petroleum Naptha, 1-10% Hydrocarbon Solvent, 1-10% Silicone	0.0	N

Mold Machine Repair Shop (Cart)	Chesterton 390 Cutting Oil	14.4 fl oz can	Used	75-85% Distillates (Petroleum), Hydrotreated Naphthenic, 5-10% Petroleum gasses	0.0	N
Mold Machine Repair Shop (Cart)	Parker Super O-Lube	2 oz tubes	Used	None Present	0.0	Y
Mold Machine Repair Shop (Cart)	Purell Hand sanitizer	8 fl oz	Used	62% Ethyl Alcohol CAS#64-17-5, <5% Isopropanol CAS#67-63-0	0.0	Y
Mold Machine Repair Shop (Cart)	CH H-D Plus Air Tool Oil	8 fl oz	Used	95-99% Hydrotreated Heavy Paraffinic Petroleum Distillates, 1-5% Additives	0.0	N
Mold Machine Repair Shop (Cart)	Stoner Xenit foaming cleaner	4 oz	Used	Water, Hydrocarbon propellant CAS#68-476-86-8, NJTSRN 80100382-5094P	0.0	N
Mold Machine Repair Shop	GOJO Fast wipes	Large tub, 225 wipes	Used	Alcohol CAS#64-17-5	0.0	N
Mold Machine Repair Shop	Slide on/cycle mold cleaner	2, 12 oz	Used	30-40% Natural turpene CAS#5989-27-5, 25-30% Isopropanol CAS#67-63-0, 22-32% Aliphatic hydrocarbon CAS#64742-48-9, 8-12% Propane CAS#74-98-6	0.0	Y
Mold Machine Repair Shop	Sicomet – D bond	2 fl oz	Used	100% Nitromethane CAS#75-52-5	0.0	Y
Mold Machine Repair Shop	Dymon Scrubs Hand Cleaner Towels	72 towels	Used	60-100% Water, 5-13% D-Limonene, 1-5% Ethoxylated Alcohols, 1-5% Sodium Lauryl Sulfate	0.0	Y
Mold Machine Repair Shop	Argon - compressed gas	Large canister	Used	100% Argon CAS#7440-37-1	0.0	N
Mold Machine Repair Shop (Tool cabinet)	Loctite 609 Retaining Compound	10 mL	Used	60% Polyethylene glycol 200 dimethacrylate CAS#25852-47-5, 20% 2-Hydroxyethyl methacrylate CAS#868-77-9, 3% Cumene hydroperoxide CAS#80-15-9, 1% Cumene CAS#98-82-8	0.0	Y
Mold Machine Repair Shop (Tool cabinet)	Loctite 569 Retaining Compound	1.2 fl oz	Used	60% Polyethylene glycol 200 dimethacrylate CAS#25852-47-5, 20% 2-Hydroxyethyl methacrylate CAS#868-77-9, 3% Cumene hydroperoxide CAS#80-15-9, 1% Cumene CAS#98-82-8	0.0	Y
Mold Machine Repair Shop (Tool cabinet)	White Lithium Grease	3 oz	Used	85% Mineral oil, 5% Titanium Dioxide CAS#13463-67-7, 5% Zinc Oxide CAS#1314-13-2	0.0	Y
Mold Machine Repair Shop (Tool cabinet)	Thermo – trap heat absorbing paste	11 oz	Used	No information available	0.0	Y
Mold Machine Repair Shop (Tool cabinet)	PPE copper flake anti-seize thread compound	3 oz	Used	50-60% Petroleum oil CAS#64741-96-4, 5-10% Copper powder CAS#7440-50-8, 1-5% Graphite powder CAS#7782-42-5, 0.5-47% Proprietary compounds	0.0	Y
Mold Machine	Clover Lapping	6, 16 oz	Used	30-60% Distillates (petroleum),	0.0	Y

Repair Shop (Tool cabinet)	Compound	canisters		hydrotreated heavy naphthenic CAS#64742-52-5, 30-60% Silicon carbide CAS#409-21-2, 10-30% Tallow, calcium salt CAS#68309-87-5, 0-0.1% Quartz CAS#14808-60-7, 0-0.1% Aluminum CAS#7429-90-5, 0-0.1% Iron CAS#7439-89-6, 0-0.1% Silicon CAS#7440-21-3, 0-0.1% Carbon CAS#7440-44-0		
Mold Machine Repair Shop (Tool cabinet)	Meguiar's Mirror Glaze	3.8 fl oz	1 new, 2 used	20-30% Heavy Alkalyte Naphtha CAS#64741-65-7, 15-25% Polymer Wax Blend, 10-20% Light Distillite CAS#64742-14-9, 10-20% Turpentine #CAS9005-60-7, 10-15% Parrafin Clay CAS#64742-43-4, 5-10% Polysiloxane CAS#63148-62-9	0.0	Y
Mold Machine Repair Shop (Tool cabinet)	Gesswein Stoning Oil	2 oz	Used	100% Petroleum distillates hydrotreated middle	0.0	Y
Mold Main Area (Cart)	**Slide white rhino rust preventive**	10 oz	Used	**50-60% Heptane** CAS#00142-82-5, 20-30% Proprietary rust preventive, 10-20% Propane CAS#74-98-6, 5-10% n-Butane CAS#106-97-8, 4-8% Isobutane CAS#75-28-5	3.4	Y
Mold Main Area (Cart)	Blue Magic metal polish cream	7 oz	Used	25-35% Aluminum oxide CAS#1344-28-1, 15-25% Kerosene CAS#8008-20-6, 3-10% Fatty acid CAS#61790-12-3, 1-5% Ammonium hydroxide CAS#7664-41-7	0.0	N
Mold Main Area (Cart)	LPS premium nickel anti-seize	½ lb	Used	45-65% Petroleum distillates (hydrotreated heavy naphthenic) CAS#64742-52-5, 15-25% Nickel (metallic) CAS#7440-02-0, 5-20% Residual oils CAS#64742-57-0	0.0	Y
Mold Main Area (Cart)	Old Bull Mold Grease	2 oz	Used	70-90% Decene homopolymer CAS#68037-01-4, 5-25% Organophillic clay CAS#68953-58-2,0.1-10% Polytetrafluoroethylene CAS#9002-84-0,0.1-10% Methylene bis dithiocarbonate CAS#10254-57-6, 0.1-10% Zinc oxide CAS#1314-13-2	0.0	Y
Mold Main Area (Cart)	Slide "PC" Polish Cleaner Compound	10 fl oz	Used	5-70% Water, 2-5% Oxalic Acid, 30-35% Silica, 2-5% Ammonium Hydroxide, 2-5% Isopropanol, 2-5% Olecic Acid	0.0	Y
Mold Main Area (Cart)	Parker Super O-Lube	2 oz	Used	None Present	0.0	Y
Mold Main Area (Cart)	FasSeal-ATS, anaerobic pipe sealant	50 mL	Used	40-60% Methacrylate ester, 20-30% Polymeric plasticizer, 10-20% Cellulose ester, 1-10%	0.0	Y

				Polytetrafluoroethylene, 1-3% Cumene hydroperoxide, 1-5% Titanium dioxide, 1-3% Saccharin		
Molding Machine Shop (Cart)	TAP Magic Cutting Fluid	4 oz	Used	Petroleum Distillate (Aliphatic 90%/Aromatic 10%) CAS #8008-20-6: max 60%, methyl laurate CAS #111-82-0: max 40%, vegetable oil, essential CAS #8007-80-5: max 10%	0.0	Y
Molding Machine Shop (Cart)	Accu-Lube #10 Perfect Tapping Oil	4 oz	Used	Not Applicable	0.0	Y
Molding Machine Shop (Cart)	Slide “PC” Polish Cleaner Compound	10 fl oz	Used	5-70% Water, 2-5% Oxalic Acid, 30-35% Silica, 2-5% Ammonium Hydroxide, 2-5% Isopropanol, 2-5% Olecic Acid	0.0	Y
Molding Machine Shop (Cart)	Viking Pneumatic Oil	4 fl oz	Used	90-99% Hydrotreated Heavy Paraffinic Distillate, 1-3% Proprietary Additives	0.0	Y
Molding Machine Shop (Cart)	Tri-Cool MD-1	8 oz	Used	None - vegetable oil based lubricant	0.0	Y
Mold Main Area	Slide “PC” Polish Cleaner Compound	10 fl oz	Used	5-70% Water, 2-5% Oxalic Acid, 30-35% Silica, 2-5% Ammonium Hydroxide, 2-5% Isopropanol, 2-5% Olecic Acid	0.0	Y
Mold Main Area	Unlabeled cutting oil	3 oz squirt bottle	Used	No MSDS Available	0.0	Y
Mold Main Area (Cart)	Tempco High Temperature Grease	4 oz	Used	80-90% Base fluid, 1-5% Tefflon, 5-10% Fumed silica	0.0	Y
Mold Main Area (Table)	Alcohol	3 Spray bottles	Used		1.8	Y
Mold Main Area (Table)	Tempco High Temperature Grease	2 oz jar	Used	80-90% Base fluid, 1-5% Tefflon, 5-10% Fumed silica	0.0	Y
Mold Main Area (Cart)	**Isopropyl Alcohol**	Squirt bottle	Used	**100% Isopropyl Alcohol**	5.4	Y
Mold Main Area (Cart)	Burn Spray Xpect	2 fl oz	Used	2% Lidocaine Hydrochloride CAS#6108-05-0	0.0	
Mold Main Area (Cart)	WD-40	Spray bottle	Used	45-50% Aliphatic Hydrocarbon, < 25% Petroleum Based Oil, 12-18% LVP Aliphatic Hydrocarbon, 2-3% Carbon Dioxide, < 2% Surfactant, < 10% Non-Hazardous ingredients	0.0	Y
Molding Facility	Speedball 2000 Heavy Duty Cleaner	1.25 gallon jug and 3 spray bottles	Used	1-5% Monoethanolamine, 1-5% Diethylene glycol monoethyl ether, Benzyl alcohol 1-5%	0.0	Y
Molding Facility	Stoner Xenit foaming cleaner	10 oz	Used	Water, Hydrocarbon propellant CAS#68-476-86-8, NJTSRN 80100382-5094P	0.0	Y
Molding Facility	**99% Isopropyl alcohol**	Small bottle	Used	**99% Isopropyl alcohol**	0.0	N
Molding Facility	PPE copper flake	8 oz	Used	50-60% Petroleum oil	0.0	Y

(Cart)	anti-seize thread compound			CAS#64741-96-4, 5-10% Copper powder CAS#7440-50-8, 1-5% Graphite powder CAS#7782-42-5, 0.5-47% Proprietary compounds		
Molding Facility (Cart)	Blue Magic metal polish cream	7 oz	Used	25-35% Aluminum oxide CAS#1344-28-1, 15-25% Kerosene CAS#8008-20-6, 3-10% Fatty acid CAS#61790-12-3, 1-5% Ammonium hydroxide CAS#7664-41-7	0.0	Y
Molding Facility (Cart)	Blue Magic metal polish cream	35 oz tube	Used	25-35% Aluminum oxide CAS#1344-28-1, 15-25% Kerosene CAS#8008-20-6, 3-10% Fatty acid CAS#61790-12-3, 1-5% Ammonium hydroxide CAS#7664-41-7	0.0	Y
Molding Facility (Cart)	Dynatex silicone compound	16 oz tube	Used	25-55% Calcium carbonate CAS#1317-65-3, 10-30% Proprietary non-haz plasticizer, 10-30% Proprietary non-haz polymer, >3% Vinyltrimethoxysilane CAS#2768-02-7, >3% n-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane CAS#1760-24-3	0.0	Y
Molding Facility (Cart)	Slide E-S Regular Silicone Mold Release	11.5 oz	Used	15-25% Petroleum distillate, 5-10% N-Butane, 4-8% Isobutane, 10-20% Propane	0.0	Y
Molding Facility (Cart)	Stoner Xenit foaming cleaner	12 oz	Used	Water, Hydrocarbon propellant CAS#68-476-86-8, NJTSRN 80100382-5094P	0.0	Y
Molding Facility (Cart)	Propane	3 Small tanks	Used	100% Propane	0.0	N
Molding Facility (Cart)	Slide “PC” Polish Cleaner Compound	10 fl oz	Used	5-70% Water, 2-5% Oxalic Acid, 30-35% Silica, 2-5% Ammonium Hydroxide, 2-5% Isopropanol, 2-5% Olecic Acid	0.0	Y
Molding Facility (Cart)	The Reliable 1 Super Spray Cleaner	8 fl oz	Used	<0.20% Caustic Soda CAS#1310-73-2, <1% Sodium mets Silicate CAS#6834-92-0, <5% Ethylene Glycol Butyl Ether CAS#111-76-2	0.0	Y
Molding Facility (Cart)	Slide E-S Regular Silicone Mold Release	11.5 oz	Used	15-25% Petroleum distillate, 5-10% N-Butane, 4-8% Isobutane, 10-20% Propane	0.0	Y
Molding Facility (Cart)	Tempco High Temperature Grease	4 oz	Used	80-90% Base fluid, 1-5% Tefflon, 5-10% Fumed silica	0.0	Y
Molding Facility (Cart)	Slide E-S Regular Silicone Mold Release	8 fl oz	Used	15-25% Petroleum distillate, 5-10% N-Butane, 4-8% Isobutane, 10-20% Propane	0.0	Y
Molding Facility (Cart)	Blue Magic metal polish cream	3.5 oz	Used	25-35% Aluminum oxide CAS#1344-28-1, 15-25% Kerosene CAS#8008-20-6, 3-10% Fatty acid	0.0	Y

				CAS#61790-12-3, 1-5% Ammonium hydroxide CAS#7664-41-7		
Molding/Cable Wire Raw Material Storage	**Dust-Off Anti-Static Monitor Wipes**	80 wipes	Used	**1% Isopropyl Alcohol** CAS#67-63-0	0.0	N
Molding/Cable Wire Raw Material Storage	**Marabu Tampapur black ink / primer paint (#980)**	26 cans (1 lt)	Contained in box	**5-15% Xylene** CAS#1330-20-7, 1-15% Solvent naphtha (petroleum), light aromatic CAS #64742-95-6, 1-10% n-Butyl acetate CAS#123-86-4, 1-10% Butyl glycolate CAS#7397-62-8, **1-5% Ethylbenzene** CAS#100-41-4	0.0	Y
Molding/Cable Wire Raw Material Storage	CYTEC Easy proxy	56 tubes, 5938 lbs	New	15-40% Silica, quartz CAS#14808-60-7, 1-5% o-Cresol Glycidyl Ether CAS#2210-79-9	0.0	Y
Warehouse Area J	Weiman Instrument Lubricant	5, 1 gallon jugs	New	None Present	0.0	Y
Warehouse Area J	Timberwolf Waterless Hand Cleaner	128 fl oz	Used	>50% C9-12 Isoparaffin CAS#64741-65-7	0.0	Y
Warehouse Area J	**EXPO dry erase board cleaner**	2, 8 fl oz	New	Water, **Isopropyl Alcohol** CAS#67-63-0, Ethylene Glycol Monobutyl Ether CAS#111-76-2	0.0	Y
Warehouse Area J	Branson Cleaner IS Series	3, 1 quart jars	New	<7% 2-Butoxyethanol CAS#111-76-2, <7% Sodium Metasilicate CAS#6834-92-0	0.0	Y
Warehouse Area J	**Transtech Thinner VD**	1 quart	New	<30% Aromatic Hydrocarbons CAS#64742-95-6, 20-30% Cyclohexanone CAS#108-94-1, 15-20% N-Butyl Acetate CAS#123-86-4, 10-15% 1-Methoxy-2-Propanolacetate CAS#108-65-6, **10-15% 1,2,4-Trimethly Benzene** CAS#95-63-6, **<4% Xylenes** CAS#1330-20-7	0.0	Y

Bold indicates a product containing one or more compounds analyzed in the VI samples.

Appendix F

Report on
2014 Annual SSDS Piping
Leak Detection Testing

Stantec Consulting Services Inc.
61 Commercial Street, Suite 100
Rochester NY 14614-1009

November 6, 2014
File: 190500800

Lockheed Martin Corporation
7000 Calmont Avenue
Suite 300 MS 2010
Fort Worth, TX 76116

Attention: Glenda Smith, Project Lead

Reference: 2014 Annual SSDS Piping Leak Detection Testing
Former Lockheed Martin French Road Facility
Utica, NY

Dear Glenda:

Stantec Consulting Services Inc. (Stantec) has performed the annual sub-slab depressurization system (SSDS) piping leak detection testing for the referenced facility. This report provides a summary of the inspection and testing results.

Background

The scope of work included a visual inspection and audio testing of the above-grade SSDS piping network. The most recent testing had been performed in April 2013 by Arcadis. As reported previously by Arcadis, connections for approximately two-thirds of the overhead PVC piping tested inside the facility were constructed using dry-fit PVC fittings and flexible rubber couplers, while the remaining one-third of overhead PVC piping contained solvent-welded connections. Each dry-fit PVC pipe coupling was fitted with a flexible rubber coupling that encapsulates the dry-fit coupling to provide an air-tight seal around the fitting and the pipe (See typical pipe fittings in the attached photos in Attachment 1.

Scope and Methodology

The SSDS piping leak detection testing was conducted by William Armington of Stantec on October 14 and 15, 2014. Paragon Environmental Construction, Inc. of Brewerton, New York was subcontracted to provide and operate a scissor-lift to gain access to the majority of the SSDS piping connections. Where existing overhead utilities interfered with access, a ladder was used to access the piping.

Approximately 650 feet of overhead PVC piping was tested for leaks inside the facility which included overhead piping to all of the existing eight depressurization sumps; SDS-1, SDS-2, SDS-3, SDS-4, SDS-5, SDS-6, SDS-7, and SDS-8. In addition to overhead piping tested, the vertical components of the piping network located directly above the sumps was also tested for leaks. These sections (see photo 2), which included fittings for flow-control devices, vacuum gauges, sample ports, and orifice plates, were primarily accessed from ground-level. In all, 125 flexible rubber couplers and approximately 75 solvent-welded joints were tested inside the facility.

Piping located inside the pH Neutralization Building where the SSDS process equipment is located was also tested for leaks using the same instrument. This included fittings on both the negative and positive side of the blower and extending all the way until the air discharge piping exits the building. Approximately 45 fittings were leak tested inside the pH Neutralization Building.

It should be noted that four pipe fittings located between the main ConMed facility and the pH Neutralization Building were not tested for leaks because the ultrasonic leak detector cannot provide accurate and reliable indication of leakage through the pipe insulation and aluminum jacketing protecting this section of piping. A visual inspection of this section of piping was conducted to confirm that pipe jacketing, hangers, and strut appeared of sound-integrity and free of defects. Relatively stable SSDS operating parameters (specifically, applied vacuum loss between the blower and the sumps) since the system was installed (2011 – present) is indicative that no significant change in piping joint/seal integrity has occurred in this area.

Inspection

Visual and tactile inspections were conducted for each pipe section and fitting for cracks, loose clamps, loose pipe supports, or other conditions that could compromise system integrity.

Audio Testing Methodology

Audio leak testing was completed by using an ULTRAPROBE 9000 manufactured by UE Systems Inc. (see technical specification sheet in Attachment 2). The testing was conducted while the SSDS was operating because the detection instrument allows the user to perceive the noise air creates as it flows at high velocity through a leak in the pipes and fittings. Prior to the testing, the ultrasound detector was tested for proper operation and adjusted to proper sensitivity by partially opening sample ports in the piping network to simulate air leaks.

The testing procedure consisted of the instrument user listening for changes in the ultrasonic bandwidth as the receiver end of the instrument was pointed at and rotated around the circumference of the fittings. Over-ear headphones connected to the instrument were used to reduce facility noise and transmit ultrasonic sounds to the user.

Results

In summary, no physical deficiencies were observed by the inspection, and no leaks were detected by the audio testing. Accordingly, no repairs or corrective measures are currently recommended for the system piping network.

Regards,

STANTEC CONSULTING SERVICES INC.

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Attachments:

1 Photographs
2 Leak Detection Instrument Specifications

ec: Jack Hoar, CDM Smith
Dominic Giaudrone, CDM Smith
Jim Zigmont, CDM Smith

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ATTACHMENT 1

PHOTOGRAPHS

Stantec

Former Lockheed Martin Facility
Utica, NY

SSDS Leak Testing
October 2014



Photo 1:
Typical SSDS Piping Fittings

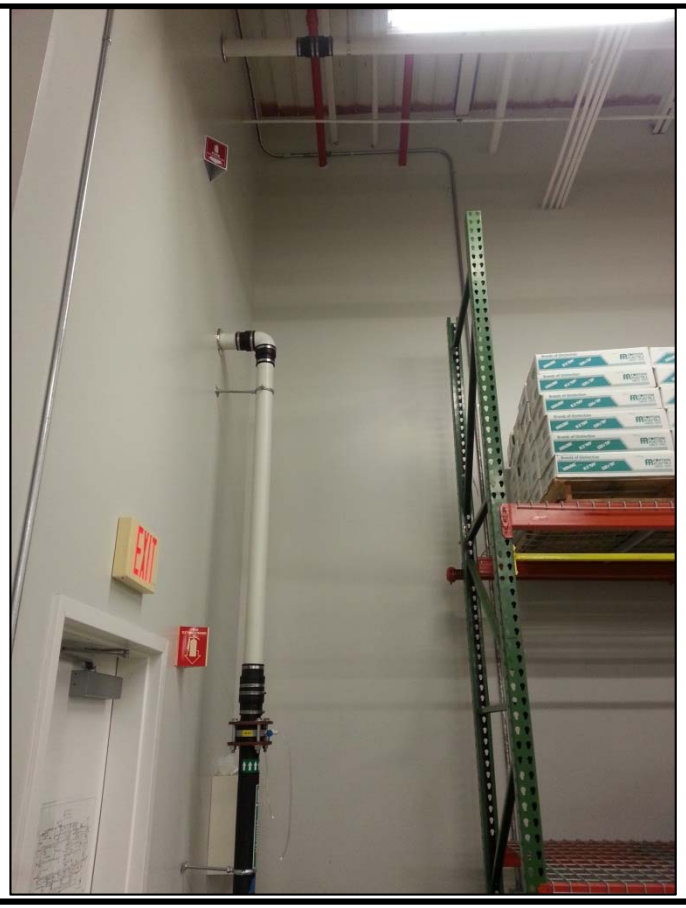


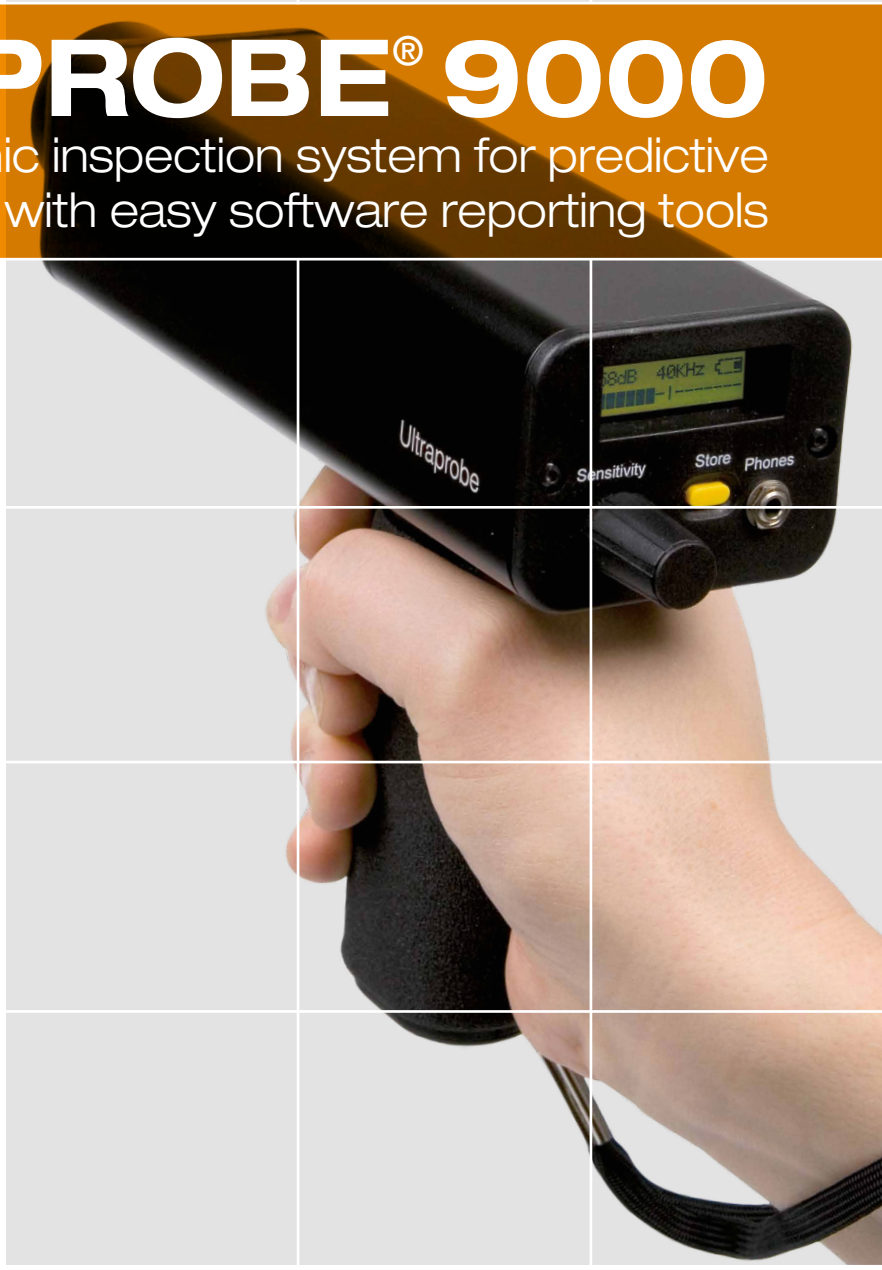
Photo 2:
Typical SSDS Sump and Riser.

ATTACHMENT 2

LEAK DETECTION INSTRUMENT SPECIFICATIONS

ULTRAPROBE® 9000

Digital ultrasonic inspection system for predictive maintenance with easy software reporting tools



The Ultraprobe® 9000 is a digital ultrasonic inspection, information, storage and retrieval system that's versatile and easy to use (most operators learn within 15 minutes!). This Ultraprobe® will help move you through inspections quickly. Whether used for trouble-shooting or a pre-planned route, data is easily viewed on the display panel and stored with the push of a button.



Scale is in calibrated decibels traceable to NIST

The easy-to-read display panel offers calibrated decibel readout and a 16-segment bar graph, which instantly registers sound intensity changes and simultaneously registers peak hold as you scan.

The Ultraprobe® 9000 engineering combines the best of both worlds:

- Scans as quickly as with analog instruments
- Uses the digital information to store and trend

On board data logging utilizing **Ultratrend DMS™ (Data Management System)** provides:

- Multiple data views
- History table/spread sheets
- Trend charts
- Export files to MS Excel
- Flexibility as never before!



UE Systems unique Spin and Click™ technology makes sophisticated inspection simple and quick!

You'll be amazed at how much you can accomplish with only 2 controls.
By just **"spinning"** and **"clicking"** you can:

- Locate and identify potential problems
- Store data
- Change frequency and sensitivity quickly
- Download data via USB output
- Adjust basic operation modes
- Select "snap shot" function... and more!



UE SYSTEMS INC



Ultraprobe® 9000 features

- Open Platform Software
- Interchangeable Modules
- Frequency Tuning
- Spin and Click™ Technology
- Ultratrend Sound Filtration
- 120 dB Dynamic Range
- Acoustic Isolating Headphones
- Environmentally friendly rechargeable batteries
- Easy interface for most Vibration Analyzers including SKF, ENTEK, DLI, CSI, DI

Typical Ultraprobe Applications

Data Based Mechanical Inspection/Trending

- Bearing Conditions
- Rubbing Conditions
- Cavitation
- Gears/Gear Boxes
- Pumps/Motors
- Lack of Lubrication

Data Based Leak Detection/ Energy Audits

- Compressed Air
- Compressed Gases (O2, NO, etc.)
- Vacuum Leaks
- Seals and Gaskets
- Condenser Tubes
- Cockpit Windows
- Hatches
- Boilers
- Heat Exchangers
- Valves
- Steam Traps

Data Based Electrical Inspection

- Arcing
- Tracking
- Corona
- Switchgear
- Transformers
- Insulators
- Relays
- Bus Bars

Ultraprobe® 9000 Specifications

Construction	Hand-held pistol type made with coated aluminum and ABS plastic
Circuitry	Solid State SMD Digital Circuitry with temperature compensation
Frequency	20 kHz to 100 kHz (tunable in 1 kHz increments)
Response Time	< 10 ms
Display	16 x 2 LCD with LED Backlight
Memory	400 storage locations
Battery	NiMH Rechargeable
Operating Temperature	0 °C to 50 °C (32 °F to 122 °F)
Outputs	Calibrated heterodyned output, decibel (dB) frequency, USB data output
Probes	Trisonic Scanning Module and Stethoscope Module
Headset	Deluxe noise attenuating headphones for hard hat use
Indicators	dB, Frequency, Battery Status and 16 Segment Bar Graph
Sensitivity	Detects 0.127 mm (0.005") diameter leak @ 0.34 bar (5 psi) at a distance of 15.24 m (50 ft.)
Threshold	1 x 10^{-2} std. cc/sec to 1 x 10^{-3} std. cc/sec
Dimensions	Complete kit in Zero Halliburton aluminum carrying case 47 x 37 x 17 cm (18.5" x 14.5" x 6.5") Pistol Unit: 0.9 kg (2 lbs.) Complete carrying case: 6.4 kg (14 lbs.)
Weight	1 kg (2 lbs.)
Warranty	1-year parts/labor standard, 5 years with completed warranty registration card.
Display Modes	Real Time, Snap Shot, Peak Hold and Storage Display

*depends on leak configuration

**specify Ex rating if needed at time of order



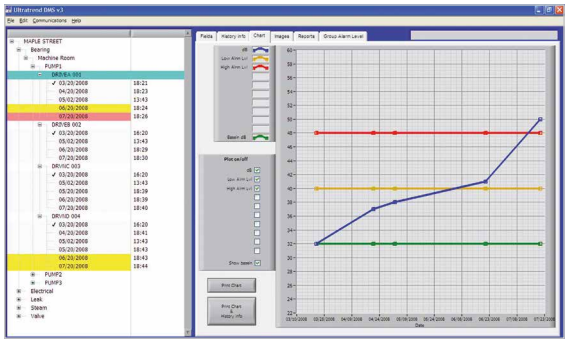
Stethoscope module



Long range module



Close focus module



DMS - Data Managment Software

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UE SYSTEMS INC

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Ultraprobe 9000 Kit: Meets and exceeds ASTM E1002-2005 requirements for Leak Detection. Covered by one or more of the following patents: 0151115; 0303776; 0315199; 1206586; 1297576; 1881263; 2562758; 2689339; 4416145; 4823600; 5955670; 6122966; 6339961; 6341518; 6415645; 6655214; 6707762; 6804992 UE Systems is committed to continual product improvement; therefore specifications are subject to change without notice. Warranty details are available by request.